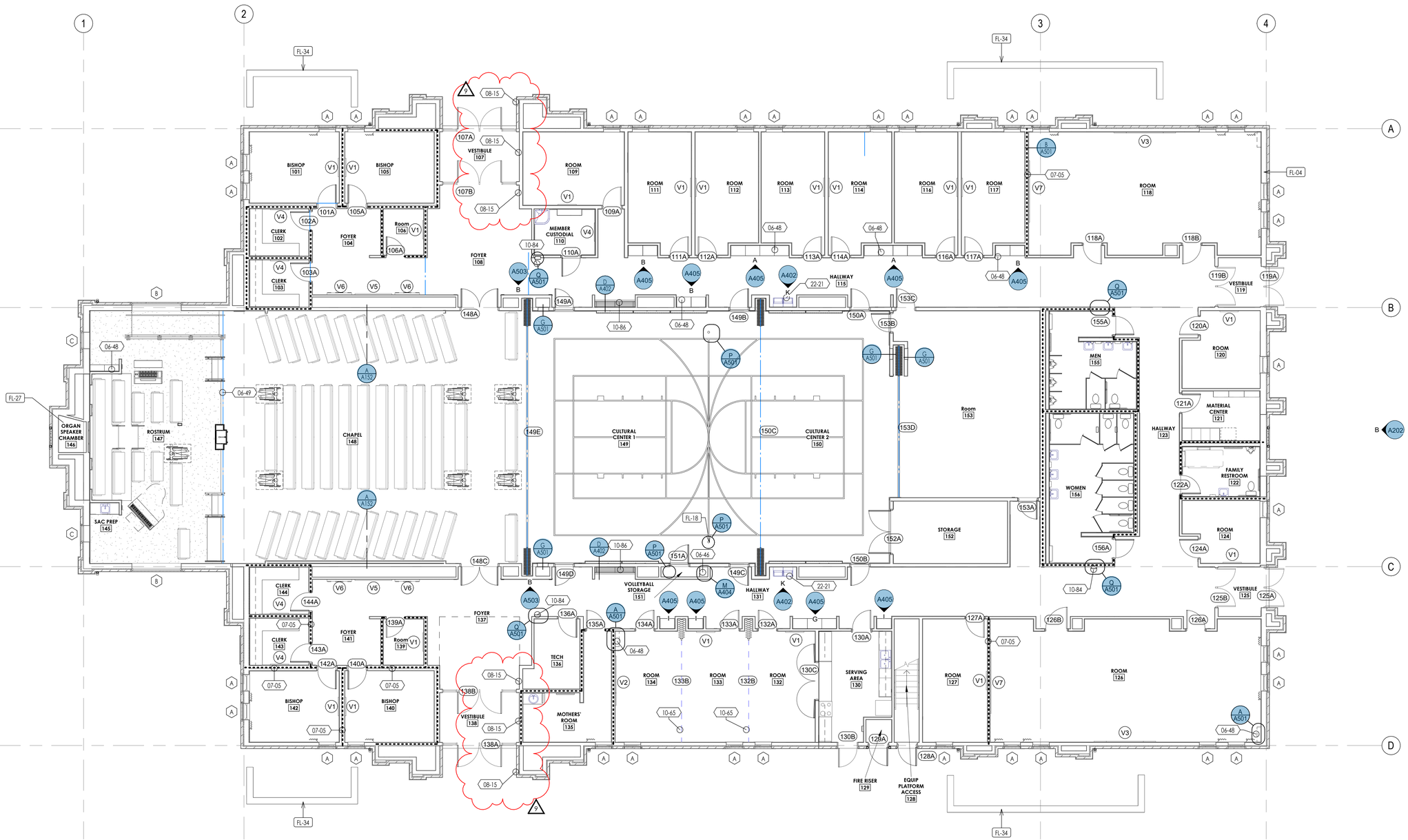


Building Insulation Envelope Minimum Requirements

1. **Roof**: R-49 unfaced batt cavity insulation. See E/A305 and Section 07 2100.
2. **Exterior walls**: R-5 continuous 1" rigid insulation. Unfaced batt cavity insulation per wall stud thickness: 2x6 = R-21, 2x8 = R-26, 2x10 = R-32, 2x12 = R-38. See Section 07 2100.
3. **Exterior foundation walls**: R-15 continuous 3" XPS rigid insulation. See foundation details and Section 07 2100.
4. **Vinyl windows**: 0.31 U-factor and 0.20 SHGC. Certified by an independent laboratory per NFRC 100 and labeled by the manufacturer. See Section 08 5313.
5. **Storefront openings**: 0.43 U-factor and 0.24 SHGC. See Section 08 4313.
6. **Hollow metal doors**: R-6. See Section 08 1113.
7. **Vapor retarder**: Continuous vapor retarder on the interior of the envelope starting at the slab, up wall, under roof truss batt insulation, and down walls to floor slab. Seal air tight. See Section 07 2500.
8. **Envelope continuity**: No holes or gaps in the building insulation envelope. See Sections 07 2100 and 07 2500.
9. **Sound insulation**: See the Insulation Floor Plan for sound batt insulation requirements.
10. **Thermal envelope certificate**: A permanent thermal envelope certificate shall be completed by the contractor. Post the certificate on the wall of the fire riser room. Include a copy of the certificate in the O&M Manual. Include the following in the certificate:
    1. R-values of insulation installed in or on ceilings, roofs, walls, and foundations.
    2. U-factors and Solar Heat Gain Coefficients (SHGC) of doors and windows.
    3. Results from any building envelope air leakage testing performed on the building.

KEYNOTES

XX-XX — KEYNOTE MATERIAL

MATERIAL / SPECIFICATION KEYNOTES

06-46	SHELVING, SEE DETAILS
06-48	WOOD VENEER FACED ARCHITECTURAL CABINETS, SEE DETAILS & SPECIFICATION
06-49	ROSTRUM CASEWORK, SEE DETAILS & SPECIFICATION
07-05	BLANKET SOUND INSULATION
08-15	DOOR OPERATOR LOCATION. SEE ELECTRICAL SHEETS AND DOOR SCHEDULE.
10-65	FOLDING ACCORDION DOOR, SEE DETAILS & SPECIFICATION
10-84	FIRE PROTECTION CABINET, SEE SPECIFICATION
10-86	HAT & COAT RACK, SEE SPECIFICATION
22-21	ELECTRICAL WATER COOLER, SEE PLUMBING DRAWINGS & SPECIFICATION

FP-XX — KEYNOTE INSTRUCTION

INSTRUCTIONAL KEYNOTES

FL-04	SEE ARCHITECTURAL WALL TYPES PLAN FOR ALL WALL TYPES
FL-18	VOLLEYBALL POST SLEEVE, SEE DETAILS
FL-27	ORGAN LOFT SPEAKER, SEE A/V DRAWINGS
FL-34	MECHANICAL ENCLOSURE WALL, SEE CIVIL & MECHANICAL DRAWINGS

FLOOR PLAN GENERAL NOTES

1. SEE SHEET A103 FOR DIMENSIONS.
2. SEE SHEET A111, A112 & A113 FOR WALL TYPES
3. INSULATE ATTIC SPACE ABOVE AND INTERIOR WALLS AROUND ENTRY 107, 119, 125 AND 138.
4. PROVIDE SOLID BLOCKING IN THE WALLS AT ALL DOOR STOPS, VISUAL DISPLAY BOARDS, TOILET COMPARTMENTS, LAVATORY SUPPORTS, WALL HUNG CABINETS, AND AT ALL OTHER EQUIPMENT AND ACCESSORY LOCATIONS.
5. FOR ELEVATIONS OF VISUAL DISPLAY BOARDS, SEE SHEET F103.
6. VAPOR RETARDER UNDER CONCRETE SLAB - SEE STRUCTURAL.
7. FOR LOCATION OF RETURN AIR DUCT IN STUD WALLS, SEE MECHANICAL DRAWINGS.
8. PROVIDE A 2x FIRE BLOCKING IN ALL WALLS AT CEILING AND FLOOR LEVELS.
9. ALL WALLS EXCEEDING 10 FEET IN HEIGHT, PROVIDE 2x FIRE BLOCKING NOT TO EXCEED 10'-0" O.C. VERTICALLY.
10. FOR DOOR SCHEDULES, SEE SHEET A601.
11. SEE CIVIL SHEETS FOR CONTINUATION OF CONCRETE SIDEWALK AT ENTRIES AND ALL OTHER SITE CONCRETE.
12. GRID LIINES ARE TO BE TO FACE OF STUD UNLESS NOTED OTHERWISE.
13. IF AHJ REQUIRES A "KNOX BOX, ARCHITECT WILL INDICATE THE LOCATION PER THE AHJ'S REQUIREMENT. IF NOT REQUIRED, REMOVE REFERENCES TO A "KNOX" BOX AND DO NOT PROVIDE ONE.
14. LIGHT COVE AND SLOPED WALL, SEE A/A152.

MAIN FLOOR PLAN
1/8" = 1'-0"
1 / A101

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LICENSED ARCHITECT — Lafe Theodore Harris — 8676-0301 — Dec 23 2025 — STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake
786 East 575 South
Vineyard Utah 84059

BHD #: 2346
Plan Series: C300-MH-11
Owner #: 502-2004
County Parcel: 39-228:0001
Date: 15 Aug 2024

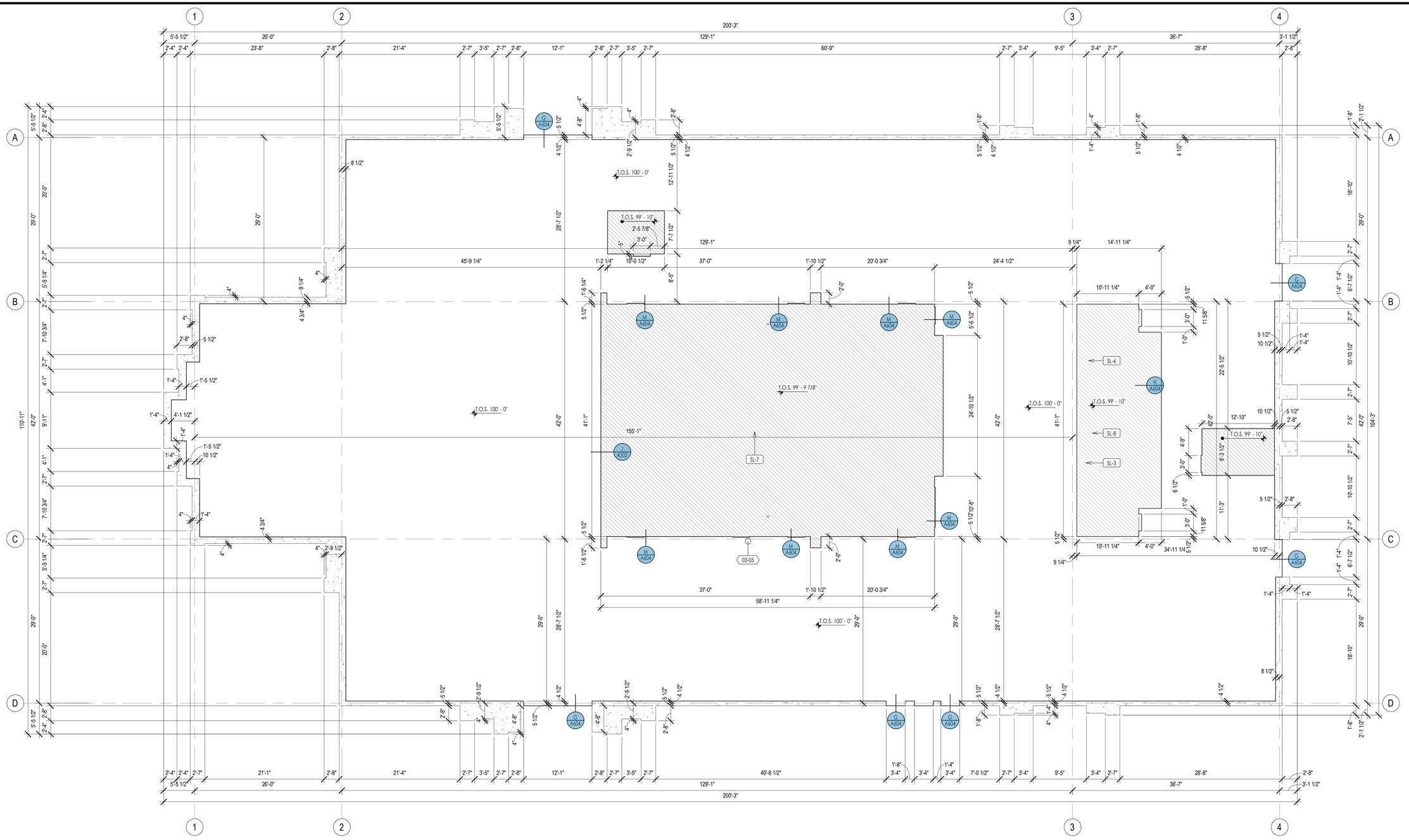
Drawing Issue and Revision Schedule

#	Date	Description
9	22 Dec 2025	ASI #2
2	27 Aug 2024	Addendum #1
1	15 Aug 2024	Bid Documents

MAIN FLOOR PLAN

A101

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MAIN FLOOR SLAB PLAN

1/8" = 1'-0"

1 / A102

KEYNOTES

XX-XX — KEYNOTE MATERIAL

MATERIAL / SPECIFICATION KEYNOTES

03-05	CAST IN PLACE FOOTINGS, SEE STRUCTURAL DRAWINGS & SPECIFICATIONS

FP-XX — KEYNOTE INSTRUCTION

INSTRUCTIONAL KEYNOTES

SL-3	CONTRACTOR TO COORDINATE LOCATION OF DRAINS IN RESTROOMS, SETTING BED TO PROVIDE SLOPE AT DRAINS
SL-6	PROVIDE BLOCKOUT IN STRUCTURAL SLAB FOR PLUMBING, COORDINATE WITH PLUMBING DRAWINGS
SL-7	RECESS SLAB AS SHOWN FOR ATHLETIC FLOOR, SEE DETAILS
SL-8	RECESS SLAB AS SHOWN FOR TILE FLOOR, SEE DETAILS

SLAB PLAN GENERAL NOTES

RECESSED SLAB

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LICENSED ARCHITECT
Lafe Theadore Harris
15 Aug 2024
6578878-0301
STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

Owner #: 502-2004
Plan Series: G300-MH-11
County Parcel: 39-228-0001
BHD #: 2346
Date: 15 Aug 2024

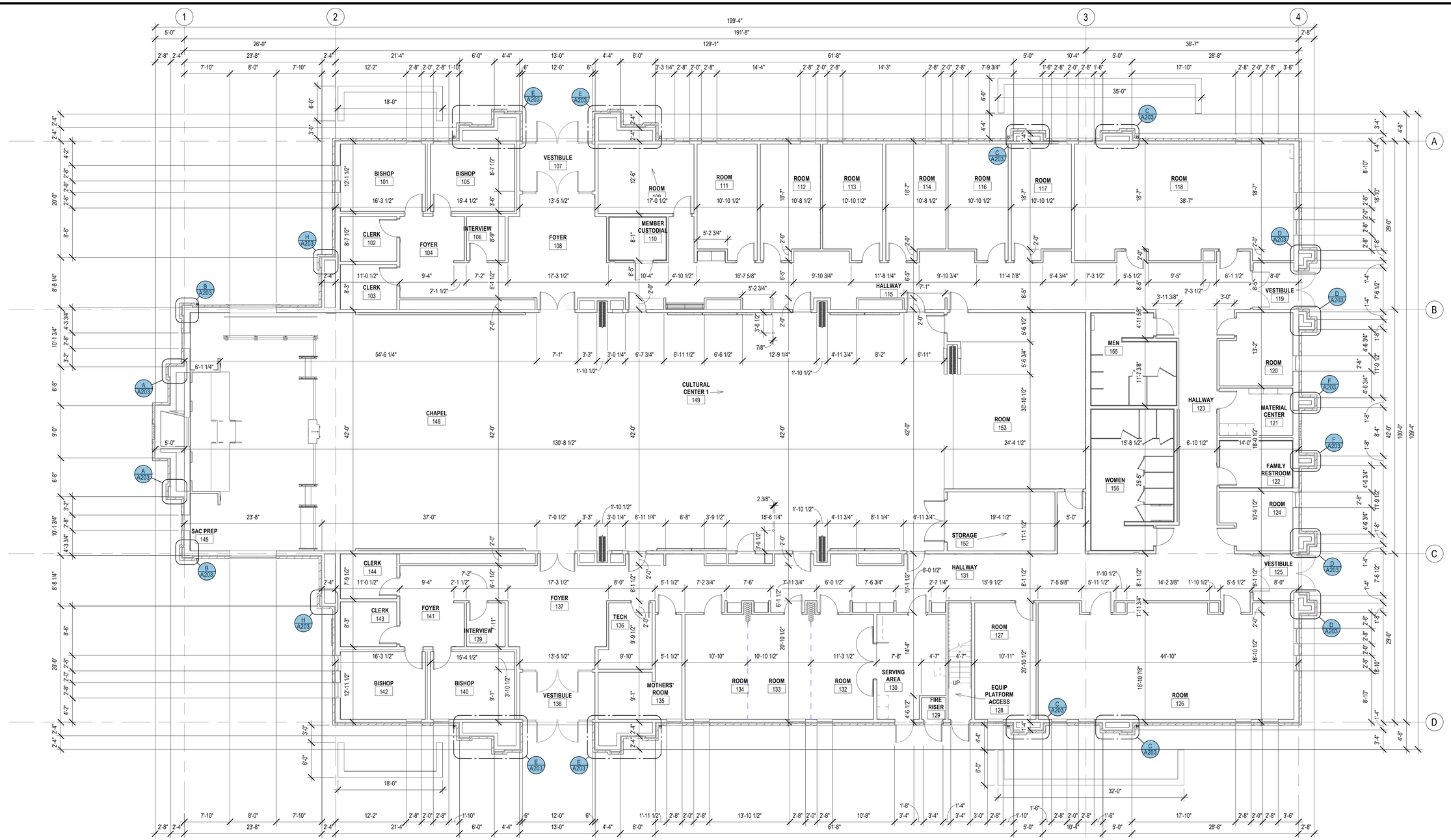
Drawing Issue and Revision Schedule

#	Date	Description

ARCHITECTURAL SLAB PLAN

A102

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MAIN FLOOR DIMENSION PLAN

1/8" = 1'-0"

1 / A103

DIMENSION PLAN GENERAL NOTES

1. DIMENSIONS ARE FROM FACE OF STUD UNLESS NOTED OTHERWISE.
2. SEE SHEETS A111 & A112 FOR WALL TYPES.
3. FOR LOCATION OF RETURN AIR DUCTS IN STUD WALLS SEE MECHANICAL DRAWINGS.

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15 AUG 2024
163878-0301
STATE OF UTAH

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Owner #:	502-2004
Plan Series:	G300-MH-11
County Parcel:	39-228-0001
BHD #:	2346
Date:	15 Aug 2024

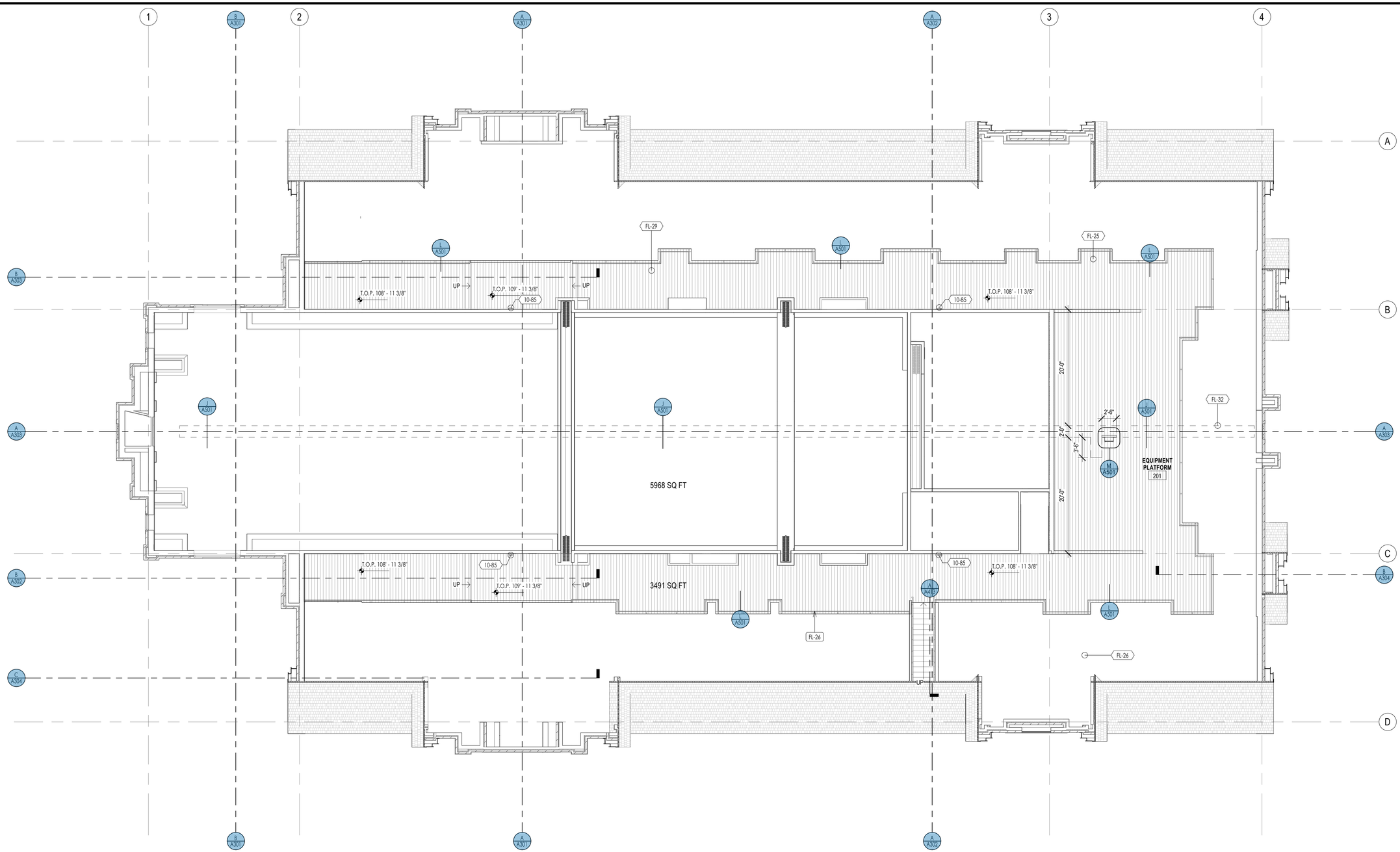
Drawing Issue and Revision Schedule

#	Date	Description

MAIN FLOOR DIMENSION PLAN

A103

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EQUIPMENT PLATFORM
1/8" = 1'-0"

1 A104

KEYNOTES

XX-XX — KEYNOTE MATERIAL

MATERIAL / SPECIFICATION KEYNOTES

10-85	FIRE EXTINGUISHER, SEE SPECIFICATION

FP-XX — KEYNOTE INSTRUCTION

INSTRUCTIONAL KEYNOTES

FL-25	3/4" PLYWOOD SHEATHING AT EQUIPMENT PLATFORM FLOOR, TYPICAL
FL-26	INSTALL SAFETY GUARDRAIL & HANDRAIL IN LOFT EXCEPT WHERE PROTECTED BY MECH. DUCTWORK. SEE DETAILS
FL-29	SEE MECHANICAL DRAWINGS FOR MECHANICAL EQUIPMENT LAYOUT
FL-32	CATWALK FOR ATTIC ACCESS, SEE DETAILS

EQUIPMENT PLAN GENERAL NOTES

1. SEE SHEET A105 FOR MAIN FLOOR PLAN WALL TYPES.
2. SEE SHEETS A111 & A112 FOR WALL DESCRIPTIONS.
3. INSTALL ATTIC GUARDRAIL AS NEEDED EXCEPT WHERE DUCT WORK OCCURS.
4. PLATFORM AREA CALCULATION: 5968 SQ FT *2/3 = 3979 SQ FT
   PLATFORM AREA = 3491SQ FT 3491 SQ FT < 3979 SQ FT

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Vineyard UT Springwater Stake

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BHD #: 2346
County Parcel: 39:228:0001
Plan Series: G300-MH-11
Owner #: 502-2004
Date: 15 Aug 2024

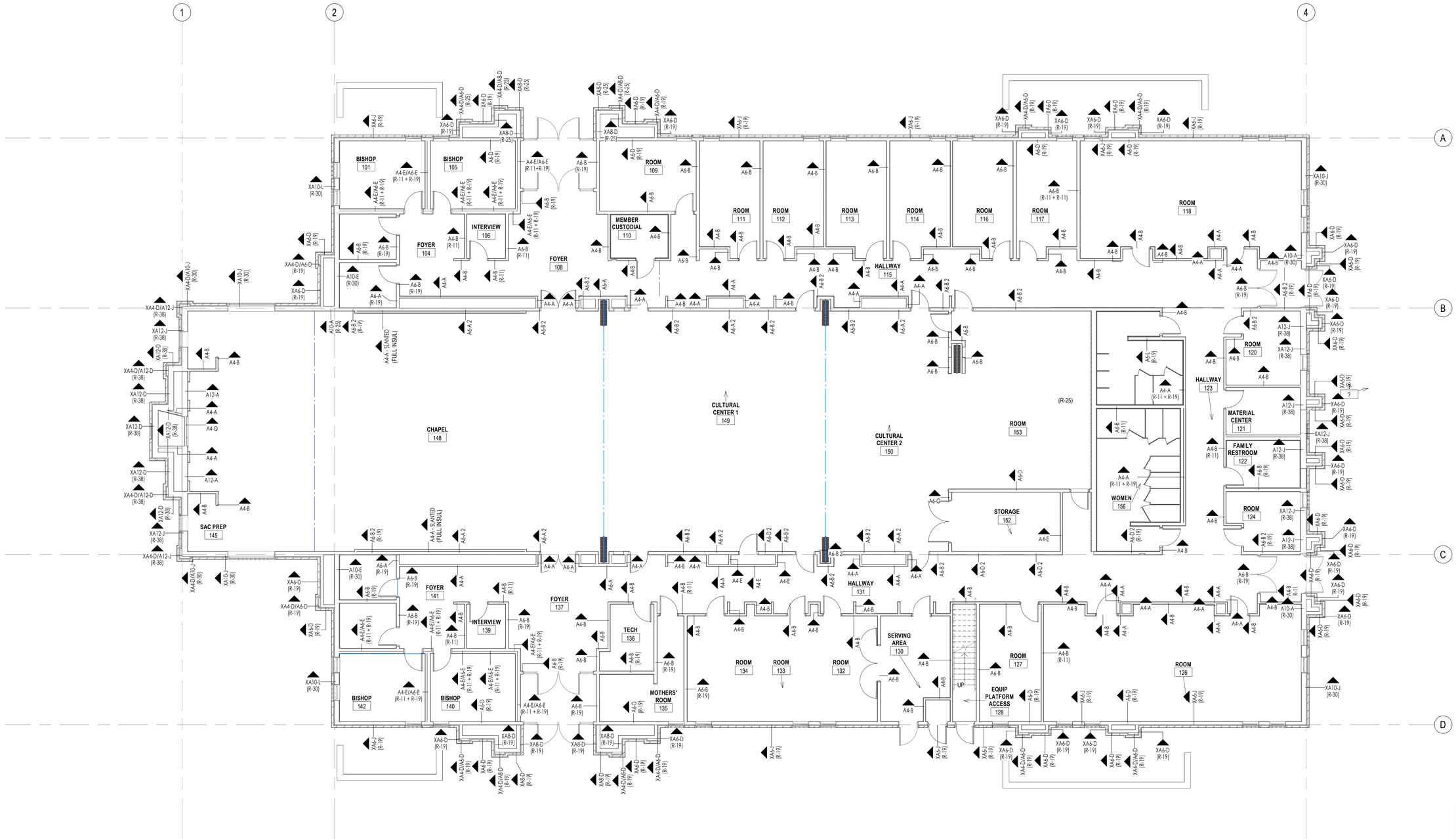
Drawing Issue and Revision Schedule

#	Date	Description

EQUIPMENT PLATFORM PLAN

A104

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MAIN FLOOR WALL TYPES

1/8" = 1'-0"

1 / A105

WALL TYPES FLOOR PLAN GENERAL NOTES

1. SEE SHEETS A111, A112 & A113 FOR WALL DESCRIPTIONS.

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Plan Series: G300-MH-11
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Date: 15 Aug 2024

Drawing Issue and Revision Schedule

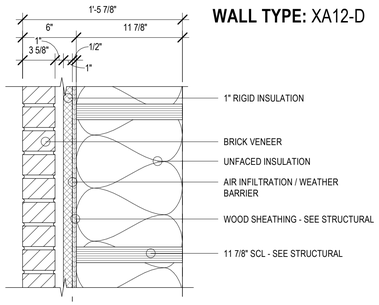
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MAIN FLOOR WALL TYPES PLAN

A105

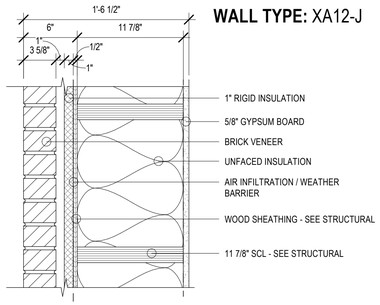
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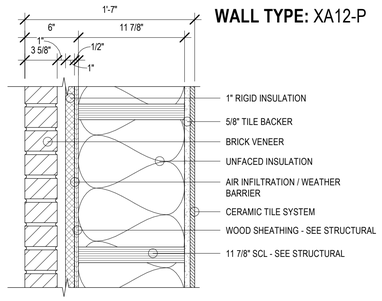
XA12-D WALL TYPE — A / A111
1 1/2" = 1'-0"

WALL TYPE: XA12-J



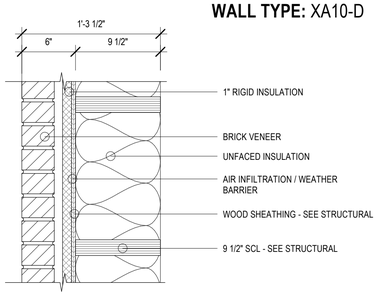
XA12-J WALL TYPE — B / A111
1 1/2" = 1'-0"

WALL TYPE: XA12-P



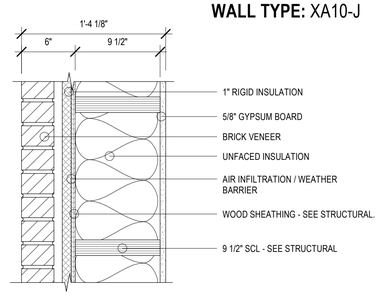
XA12-P WALL TYPE — C / A111
1 1/2" = 1'-0"

WALL TYPE: XA10-D



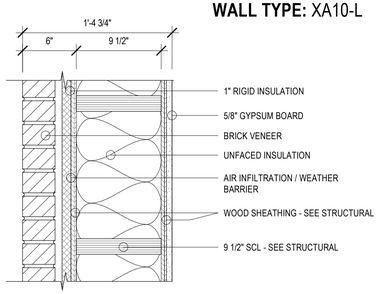
XA10-D WALL TYPE — D / A111
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WALL TYPE: XA10-J



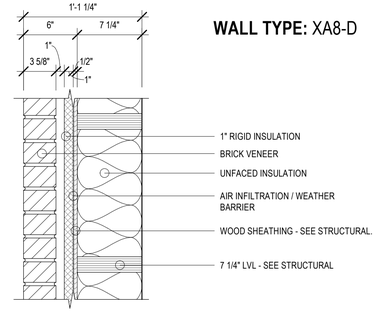
XA10-J WALL TYPE — E / A111
1 1/2" = 1'-0"

WALL TYPE: XA10-L



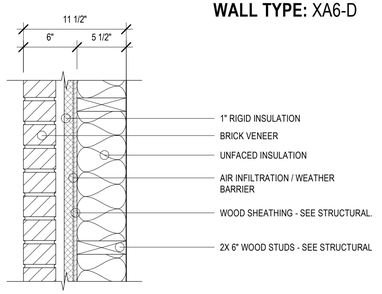
XA10-L WALL TYPE — F / A111
1 1/2" = 1'-0"

WALL TYPE: XA8-D



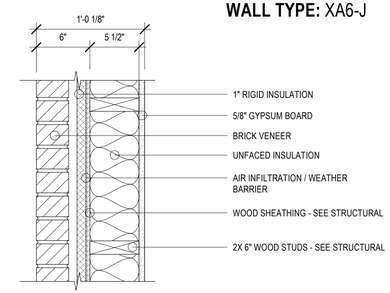
XA8-D WALL TYPE — G / A111
1 1/2" = 1'-0"

WALL TYPE: XA6-D



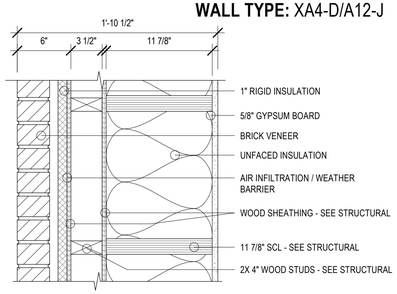
XA6-D WALL TYPE — H / A111
1 1/2" = 1'-0"

WALL TYPE: XA6-J



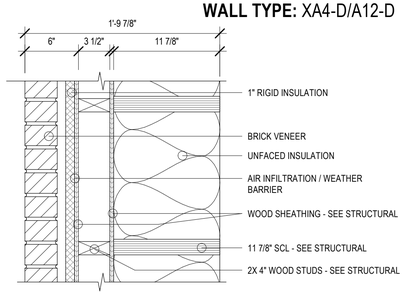
XA6-J WALL TYPE — J / A111
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WALL TYPE: XA4-D/A12-J



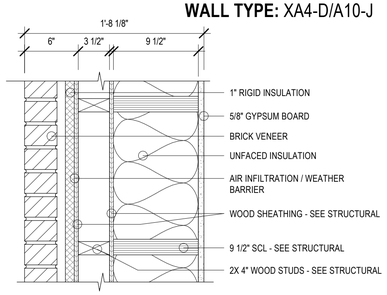
XA4-D/A12-J WALL TYPE — K / A111
1 1/2" = 1'-0"

WALL TYPE: XA4-D/A12-D



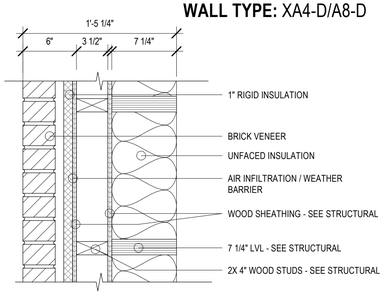
XA4-D/A12-D WALL TYPE — L / A111
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WALL TYPE: XA4-D/A10-J



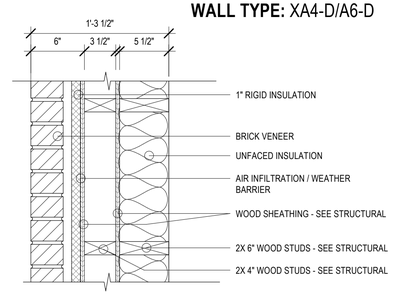
XA4-D/A10-J WALL TYPE — M / A111
1 1/2" = 1'-0"

WALL TYPE: XA4-D/A8-D



XA4-D/A8-D WALL TYPE — N / A111
1 1/2" = 1'-0"

WALL TYPE: XA4-D/A6-D



XA4-D/A6-D WALL TYPE — P / A111
1 1/2" = 1'-0"

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Drawing Issue and Revision Schedule

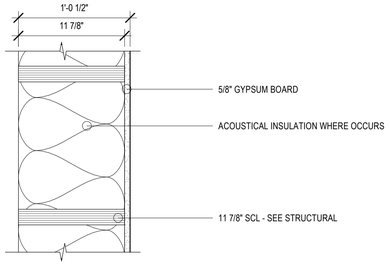
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WALL TYPES

A111

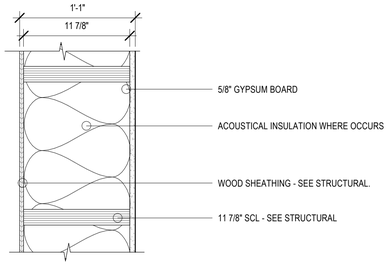
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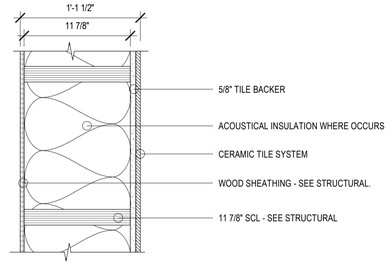
A12-A WALL TYPE
1 1/2" = 1'-0"
A
A112

WALL TYPE: A12-J



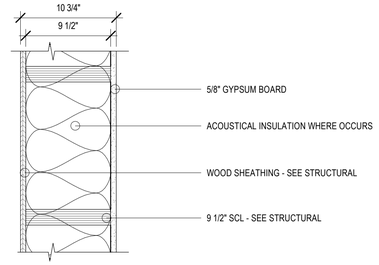
A12-J WALL TYPE
1 1/2" = 1'-0"
B
A112

WALL TYPE: A12-P



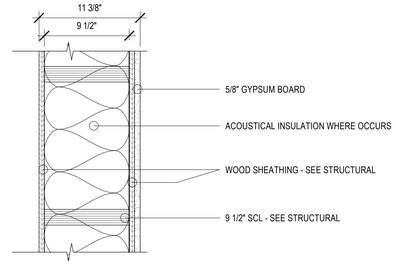
A12-P WALL TYPE
1 1/2" = 1'-0"
C
A112

WALL TYPE: A10-A



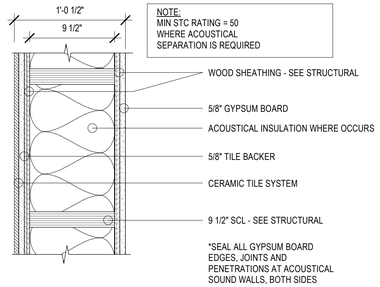
A10-A WALL TYPE
1 1/2" = 1'-0"
D
A112

WALL TYPE: A10-E



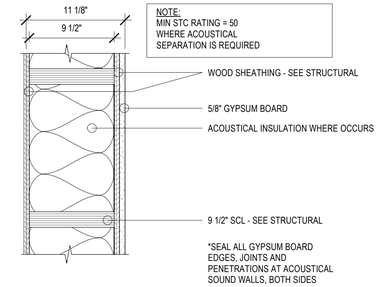
A10-E WALL TYPE
1 1/2" = 1'-0"
E
A112

WALL TYPE: A10-M



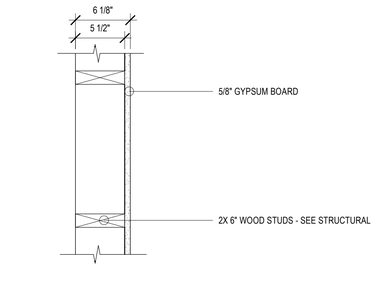
A10-M WALL TYPE
1 1/2" = 1'-0"
F
A112

WALL TYPE: A10-M2



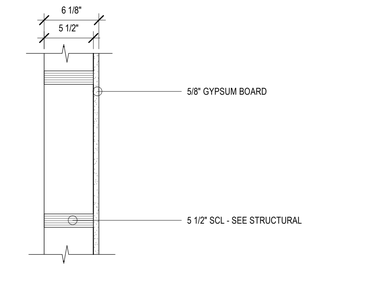
A10-M2 WALL TYPE
1 1/2" = 1'-0"
G
A112

WALL TYPE: A6-A



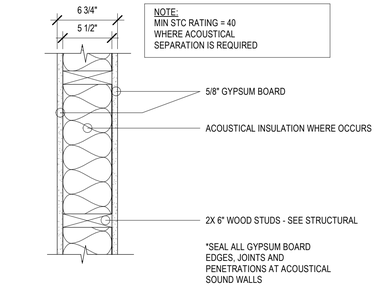
A6-A WALL TYPE
1 1/2" = 1'-0"
H
A112

WALL TYPE: A6-A 2



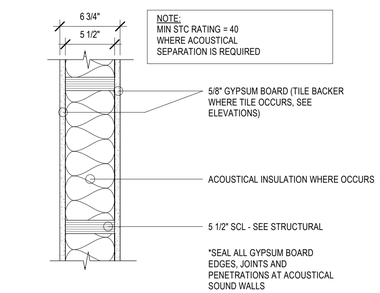
A6-A 2 WALL TYPE
1 1/2" = 1'-0"
J
A112

WALL TYPE: A6-B



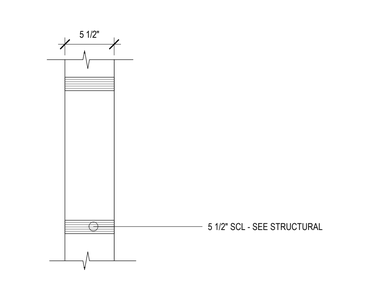
A6-B WALL TYPE
1 1/2" = 1'-0"
K
A112

WALL TYPE: A6-B 2



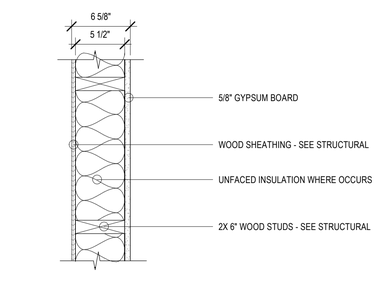
A6-B 2 WALL TYPE
1 1/2" = 1'-0"
L
A112

WALL TYPE: A6-C



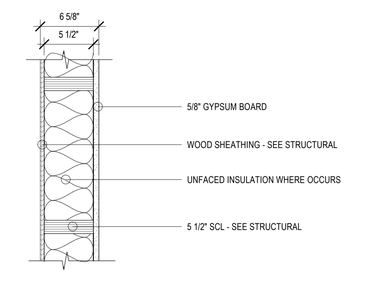
A6-C WALL TYPE
1 1/2" = 1'-0"
M
A112

WALL TYPE: A6-D



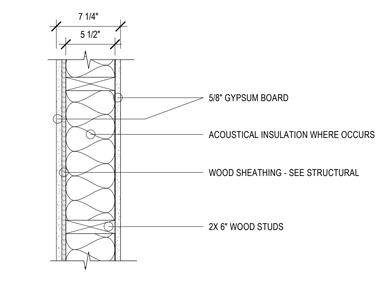
A6-D WALL TYPE
1 1/2" = 1'-0"
N
A112

WALL TYPE: A6-D 2



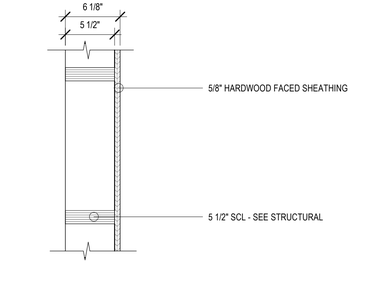
A6-D 2 WALL TYPE
1 1/2" = 1'-0"
P
A112

WALL TYPE: A6-G



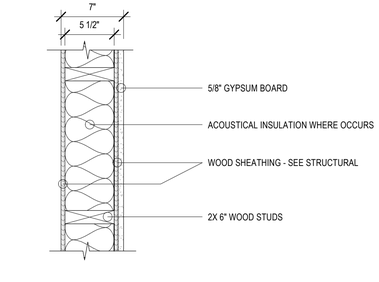
A6-G WALL TYPE
1 1/2" = 1'-0"
Q
A112

WALL TYPE: A6-H



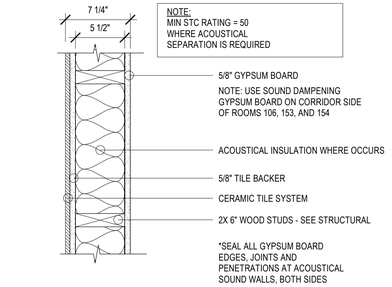
A6-H WALL TYPE
1 1/2" = 1'-0"
R
A112

WALL TYPE: A6-K



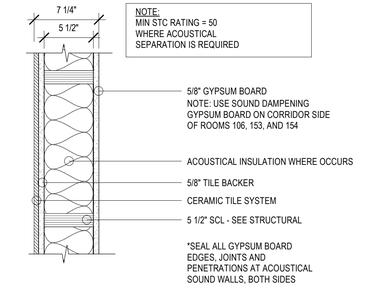
A6-K WALL TYPE
1 1/2" = 1'-0"
S
A112

WALL TYPE: A6-L



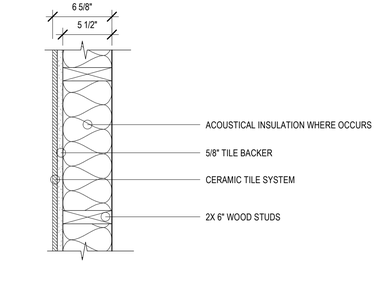
A6-L WALL TYPE
1 1/2" = 1'-0"
T
A112

WALL TYPE: A6-L 2



A6-L 2 WALL TYPE
1 1/2" = 1'-0"
U
A112

WALL TYPE: A6-P



A6-P WALL TYPE
1 1/2" = 1'-0"
V
A112

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LICENSED ARCHITECT
Lafe Theadore Harris
15 Aug 2024
5526878-0301
STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

Owner #: 502-2004
Plan Series: G300-MH-11
County Parcel: 39-228-0001
BHD #: 2346
Date: 15 Aug 2024

Drawing Issue and Revision Schedule

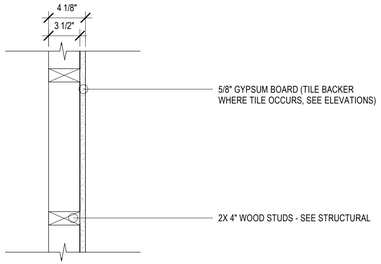
#	Date	Description

WALL TYPES

A112

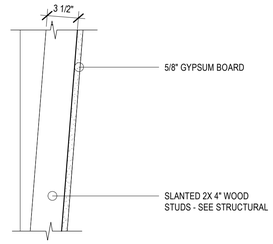
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WALL TYPE: A4-A



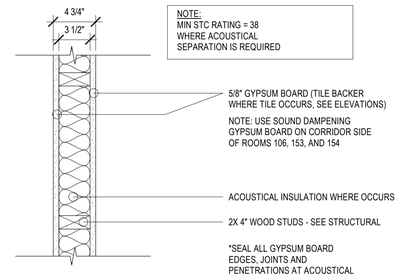
A4-A WALL TYPE — A / A113
1 1/2" = 1'-0"

WALL TYPE: A4-A - SLANTED



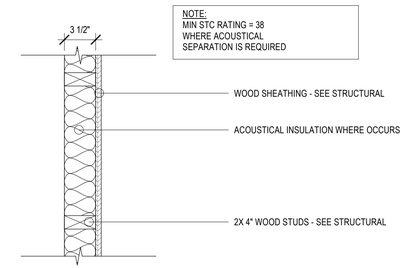
A4-A - SLANTED WALL TYPE — B / A113
1 1/2" = 1'-0"

WALL TYPE: A4-B



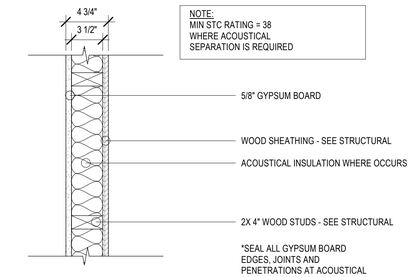
A4-B WALL TYPE — C / A113
1 1/2" = 1'-0"

WALL TYPE: A4-D



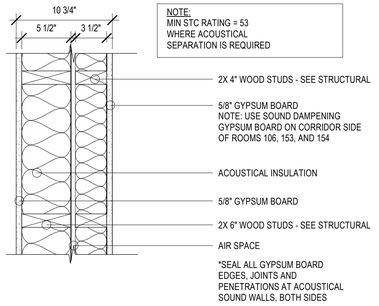
A4-D WALL TYPE — D / A113
1 1/2" = 1'-0"

WALL TYPE: A4-E



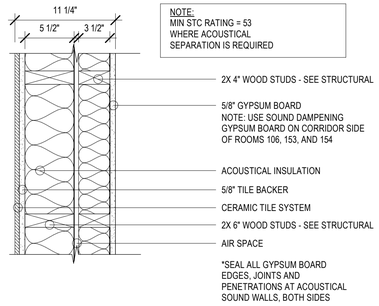
A4-E WALL TYPE — E / A113
1 1/2" = 1'-0"

WALL TYPE: A4-E/A6-E



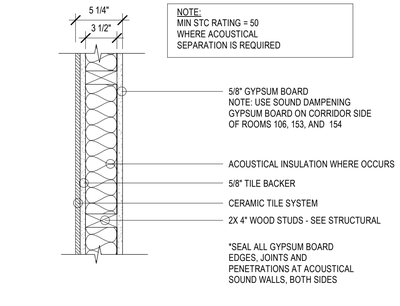
A4-E/A6-E WALL TYPE — F / A113
1 1/2" = 1'-0"

WALL TYPE: A4-E/A6-E 2



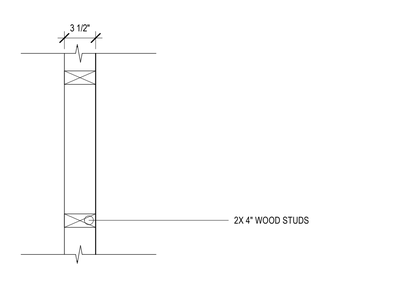
A4-E/A6-E 2 WALL TYPE — G / A113
1 1/2" = 1'-0"

WALL TYPE: A4-L



A4-L WALL TYPE — H / A113
1 1/2" = 1'-0"

WALL TYPE: A4-Q



A4-Q WALL TYPE — J / A113
1 1/2" = 1'-0"

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LICENSED ARCHITECT — Lafe Theadore Harris — 15 Aug 2024 — 5538878-0301 — STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

Date: 15 Aug 2024
BHD #: 2346
County Parcel: 39-228:0001
Plan Series: G300-MH-11
Owner #: 502.2004

Drawing Issue and Revision Schedule

#	Date	Description

WALL TYPES

A113

KEYNOTES

XX-XX — KEYNOTE MATERIAL

MATERIAL / SPECIFICATION KEYNOTES

07-14	COMPOSITE ASPHALT SHINGLES, SEE DETAILS & SPECIFICATIONS
07-34	ROOF RELIEF VENTS, SEE DETAILS & SPECIFICATION

FP-XX — KEYNOTE INSTRUCTION

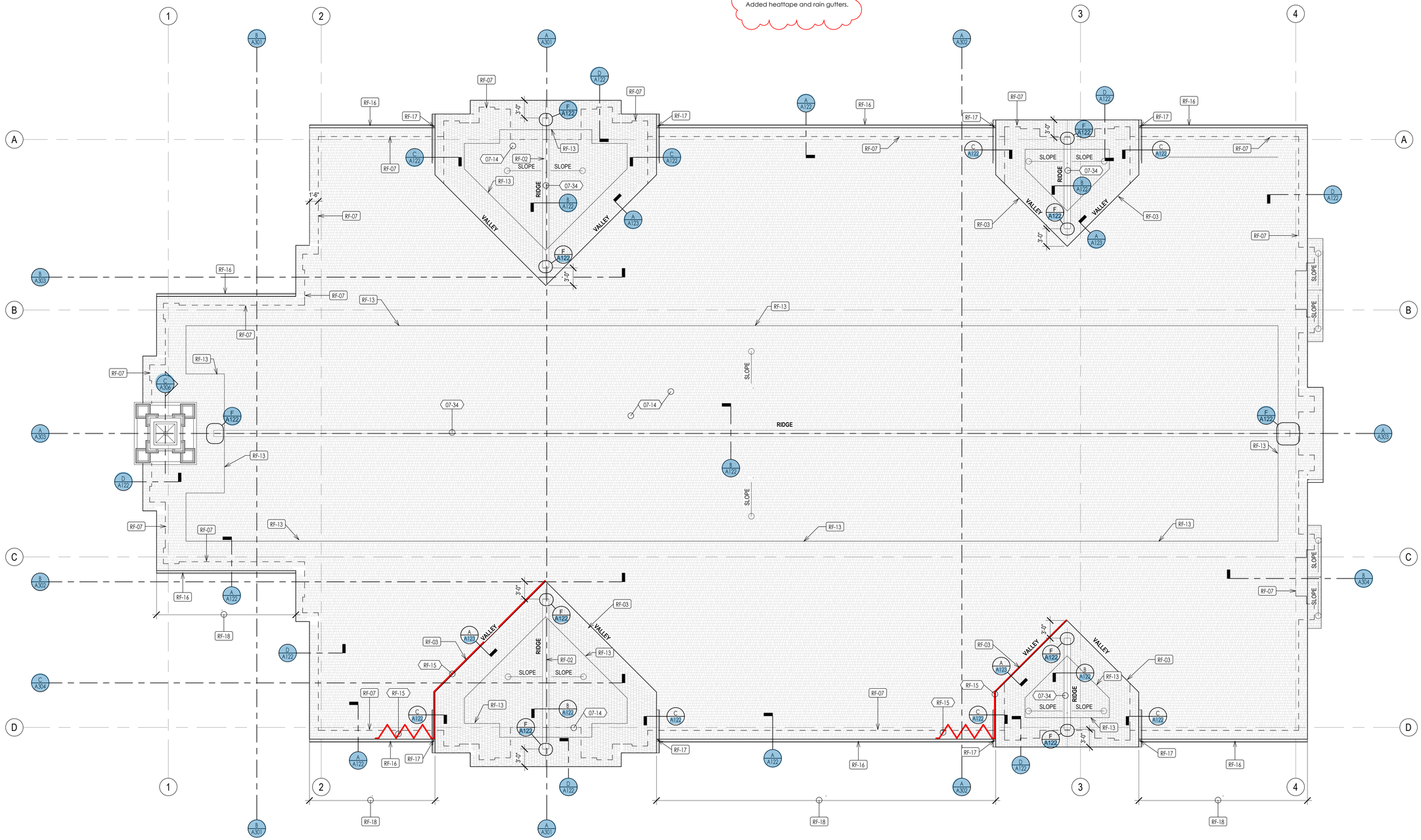
INSTRUCTIONAL KEYNOTES

RF-02	TYPICAL RIDGE VENT, SEE DETAILS
RF-03	VALLEY FLASHING, SEE DETAILS
RF-07	LINE OF WALL BELOW ROOF, SEE OVERALL AND ENLARGED PLANS
RF-13	LINE OF SECONDARY UNDERLAYMENT
RF-15	SNOW MELT HEAT TRACE. SEE ELECTRICAL SHEETS
RF-16	PREFINISHED METAL RAIN GUTTER
RF-17	DOWNSPOUT FROM THE UPPER RAIN GUTTER TO DRAIN INTO THE LOWER RAIN GUTTER
RF-18	INSTALL HEAT TAPE IN THE RAIN GUTTER AND ALL DOWNSPOUTS IN THIS AREA

ROOF PLAN GENERAL NOTES

1. COORDINATE LOCATIONS OF ROOF PENETRATIONS WITH THE MECHANICAL SYSTEM.
2. CONTRACTOR TO PAINT VENTS AND COMBUSTION PIPING TO MATCH ROOFING COLOR. SEE SPECIFICATIONS.

3 Added heattape and rain gutters.



ROOF PLAN
1/8" = 1'-0"
1 A121

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THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 342 South Geneva Road
Vineyard, Utah 84059

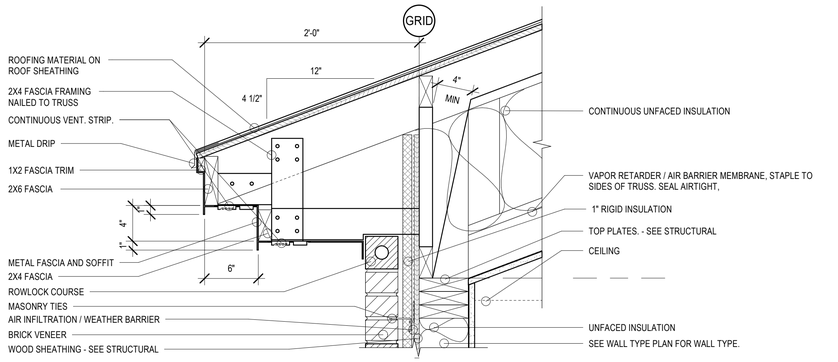
BHD #: 2346
County Parcel: 39:228:0001
Plan Series: G300-MH-11
Owner #: 502-2004
Date: 15 Aug 2024

Drawing Issue and Revision Schedule

#	Date	Description
3	30 Aug 2024	Addendum #2
2	27 Aug 2024	Addendum #1
1	15 Aug 2024	Bid Documents

ROOF PLAN

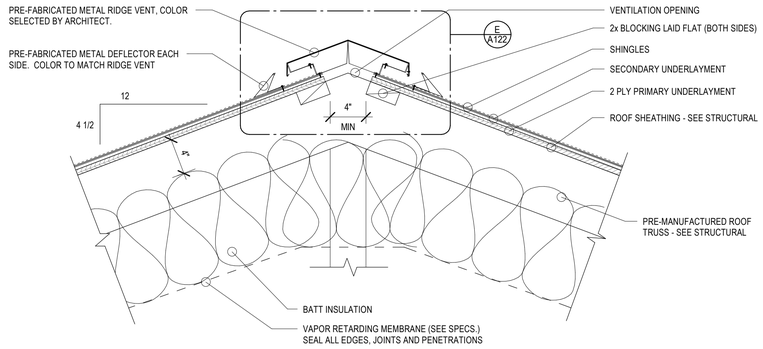
A121



ROOF - FASCIA - TYPICAL CONDITION

1 1/2" = 1'-0"

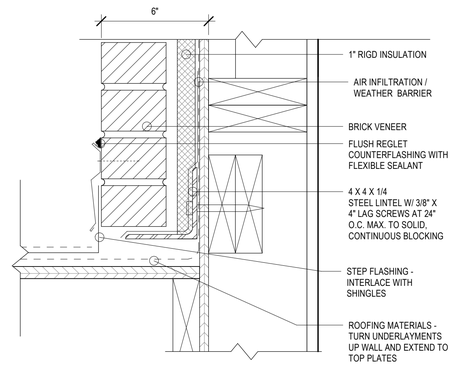
A / A122



ROOF - RIDGE SECTION

1 1/2" = 1'-0"

B / A122



ROOF - WALL SECTION

3" = 1'-0"

C / A122

ROOF - FASCIA DETAIL @ RAKE

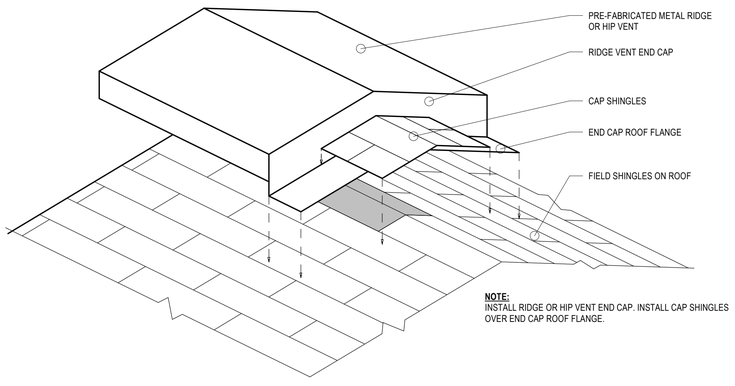
1 1/2" = 1'-0"

D / A122

ROOF - RIDGE VENT ENLARGED

3" = 1'-0"

E / A122



ROOF - RIDGE VENT END DETAIL

1 1/2" = 1'-0"

F / A122

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LICENSED ARCHITECT
Lafe Theadore Harris
15 AUG 2024
6278878-0301
STATE OF UTAH

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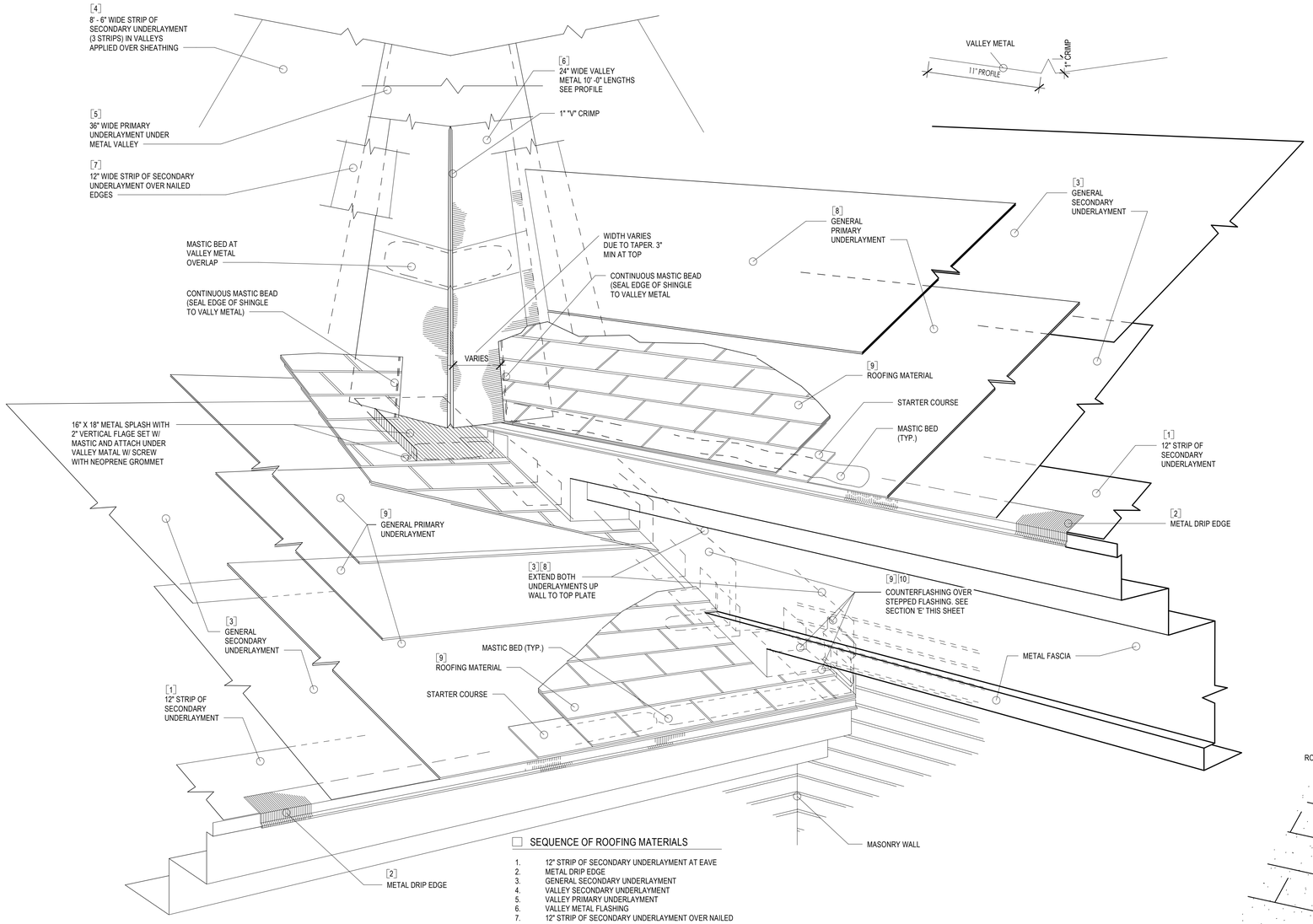
Drawing Issue and Revision Schedule

#	Date	Description

ROOF DETAILS

A122

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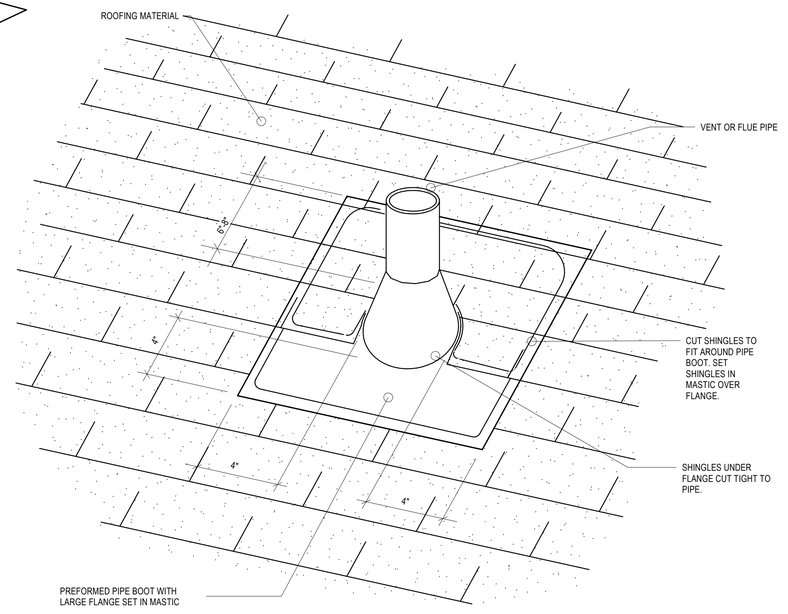
SEQUENCE OF ROOFING MATERIALS

1. 12" STRIP OF SECONDARY UNDERLAYMENT AT EAVE
2. METAL DRIP EDGE
3. GENERAL SECONDARY UNDERLAYMENT
4. VALLEY SECONDARY UNDERLAYMENT
5. VALLEY PRIMARY UNDERLAYMENT
6. VALLEY METAL FLASHING
7. 12" STRIP OF SECONDARY UNDERLAYMENT OVER NAILED EDGES
8. GENERAL PRIMARY UNDERLAYMENT
9. FIBERGLASS SHINGLES, STEP FLASHINGS
10. COUNTER FLASHINGS

ROOF - VALLEY FLASHING DETAIL

1 1/2" = 1'-0"

A / A123



ROOF - PIPE BOOT FLANGE DETAIL

3/8" = 1'-0"

B / A123

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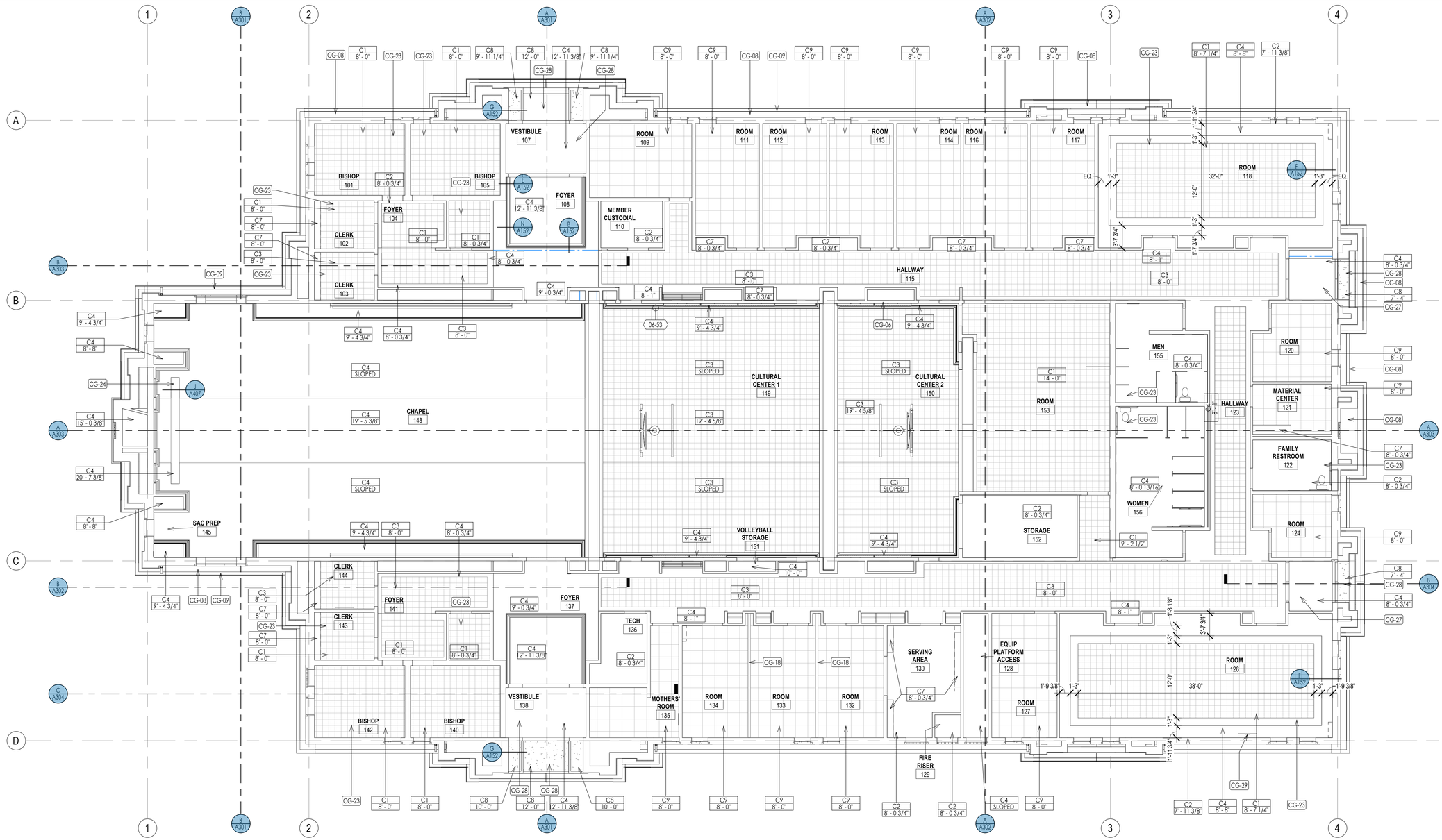
Drawing Issue and Revision Schedule

#	Date	Description

ROOF DETAILS

A123

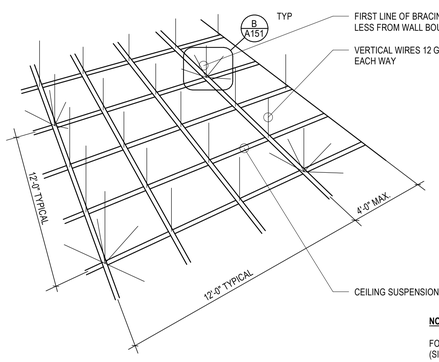
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MAIN LEVEL REFLECTED CEILING PLAN

1/8" = 1'-0"

1 A151



NOTES:

1. SPLAY WIRE BRACING AND COMPRESSION POSTS/STRUTS ARE ONLY REQUIRED IN SEISMIC DESIGN CATEGORIES D, E, AND F.
2. AREAS SMALLER THAN 1,000 SF AND WITH WALLS ON FOUR SIDES EXTENDING TO THE STRUCTURE NEED NOT HAVE SPLAY WIRE REINFORCING. BOUNDARY WALLS MUST BE BRACED TOP AND BOTTOM INDEPENDENT OF CEILING TO QUALIFY.
3. SEISMIC CLIP IS REQUIRED IN SEISMIC DESIGN CATEGORIES D, E, AND F.
4. USE 7/8" WALL MOULDING IN SEISMIC DESIGN CATEGORIES D, E, AND F. ATTACH TEES/RUNNERS TO WALL WITH SEISMIC CLIPS.

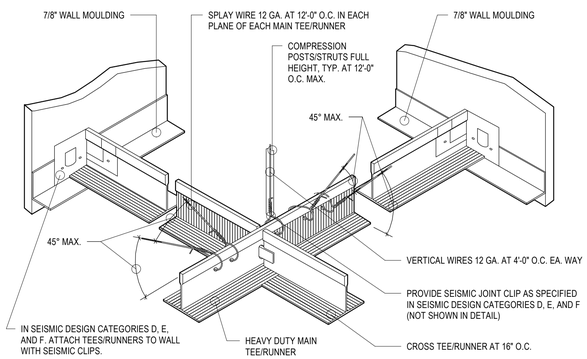
NOTE:

FOR METAL ACOUSTICAL SUSPENSION ASSEMLIES (SIMILAR FOR METAL SUSPENSION SYSTEM: GYPSUM BOARD)

CEILING SUSPENSION DETAIL

1 1/2" = 1'-0"

A A151



CEILING SUSPENSION DETAIL

1 1/2" = 1'-0"

B A151

REFLECTED CEILING PLAN - FINISH SCHEDULE

CEILING TYPE / HEIGHT — C1 / 1' - 0"

CEILING TYPE / REFER TO SECTION — C1 / SLOPE

C1. CEILING SUSPENSION SYSTEM WITH GYPSUM BOARD AND ACOUSTICAL TILE
C2. CEILING SUSPENSION SYSTEM WITH GYPSUM BOARD - PAINTED
C3. ACOUSTICAL TILE ON GYPSUM BOARD
C4. GYPSUM BOARD - PAINTED
C5. METAL SOFFIT - SEE A/A122
C6. CONTINUOUS VENT STRIP
C7. WOOD FURRED DOWN OVER CABINETS - SEE A/A407
C8. EXTERIOR STUCCO SYSTEM SOFFIT
C9. SUSPENDED CEILING TILE 2' X 2'. PROVIDE SOUND ATTENUATION BLANKETS ABOVE CEILING GRID.

KEYNOTES

XX-XX — KEYNOTE MATERIAL

MATERIAL / SPECIFICATION KEYNOTES

06-53	HARDWOOD TRIM, SEE DETAILS & SPECIFICATION

CEILING PLAN GENERAL NOTES

1. WALL MOUNTED LIGHT FIXTURES THAT OCCUR BELOW CEILING LINE ARE NOT SHOWN.
2. MOUNTING OF SPEAKERS: CORRIDOR - SEE A/A152.
3. PROVIDE SEISMIC BRACING AT ALL CEILING SUSPENSION SYSTEMS.
4. AT CORRIDORS, ACOUSTICAL CEILING TILE IS TO BE 6 TILES ACROSS WITH A BORDER OF GYPSUM BOARD AS SHOWN ON DRAWINGS.
5. FOR SUSPENSION CEILING SYSTEM DETAILS, SEE A/A151 & B/A151.
6. COORDINATE GRILLE LOCATION WITH MECHANICAL DRAWINGS.
7. ALL CEILING HEIGHTS REFERENCED FINISH FLOOR 100'-0"

FP-XX — KEYNOTE INSTRUCTION

INSTRUCTIONAL KEYNOTES

CG-06	CEILING SOFFIT W/ GYPSUM BOARD & HARDWOOD TRIM, COORD. W. DETAILS & PAINT AS SELECTED
CG-08	EXT. METAL SOFFIT, COLOR AS SEL. BY ARCHITECT. SEE DETAILS
CG-09	CONTINIOUS VENT STRIP, SEE DETAILS
CG-18	FOLDING PARTITION & TRACK, SEE DETAILS & SPECIFICATIONS
CG-23	INSULATE THE ROOM CEILING ABOVE FOR SOUND CONTROL (R-19)
CG-24	DROP DOWN PROJECTION SCREEN, SEE DETAILS & SPECIFICATIONS
CG-27	INSULATE ABOVE CEILING FOR FREEZE PREVENTION (R-19)
CG-28	INSULATE AND TOTALLY FILL VOID UP TO ROOF FOR FREEZE AND FIRE PROTECTION
CG-29	WALL/CEILING MOUNT TV - COORDINATE WITH PROJECT MANAGER FOR PREFERRED MOUNTING METHOD. COORDINATE POWER ACCORDINGLY.

bhd ARCHITECTS
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Phone 801.571.0010
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Toll Free 888.571.0010
65 East Wadsworth Park Drive
Suite 205 Draper, Utah 84020

LICENSED ARCHITECT — Lafe Theadore Harris — 15 Aug 2024 — 5278-0301 — STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake
Approx. 542 South Geneva Road
Vineyard, Utah 84059

BHD #: 2346
County Parcel: 39-228-0001
Plan Series: G300-MH-11
Owner #: 502-2004
Date: 15 Aug 2024

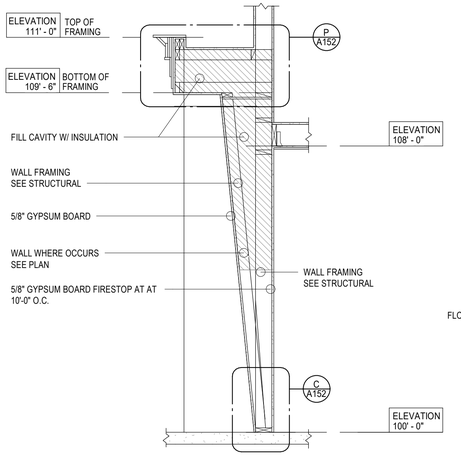
Drawing Issue and Revision Schedule

#	Date	Description

REFLECTED CEILING PLAN

A151

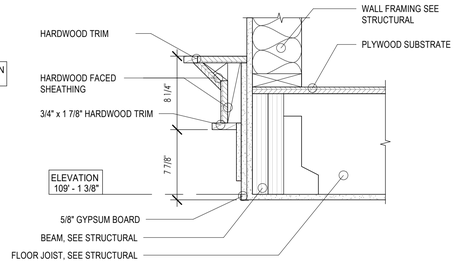
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SLANT WALL SECTION

1/2" = 1'-0"

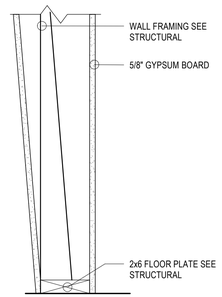
A A152



TRIM DETAIL - EQUIPMENT PLATFORM

1 1/2" = 1'-0"

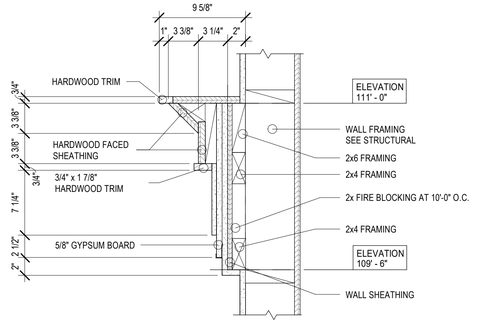
B A152



SLANT WALL FRAMING DETAIL

1 1/2" = 1'-0"

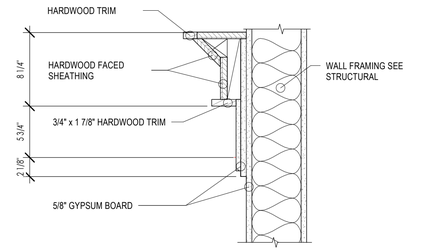
C A152



TRIM DETAIL - CULTURAL HALL

1 1/2" = 1'-0"

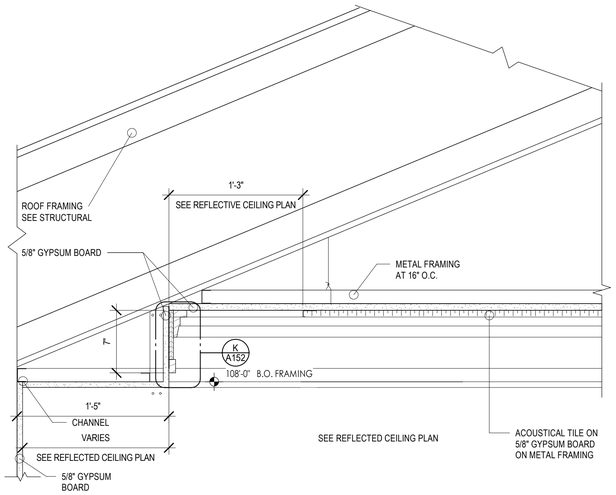
D A152



TRIM DETAIL - FOYER

1 1/2" = 1'-0"

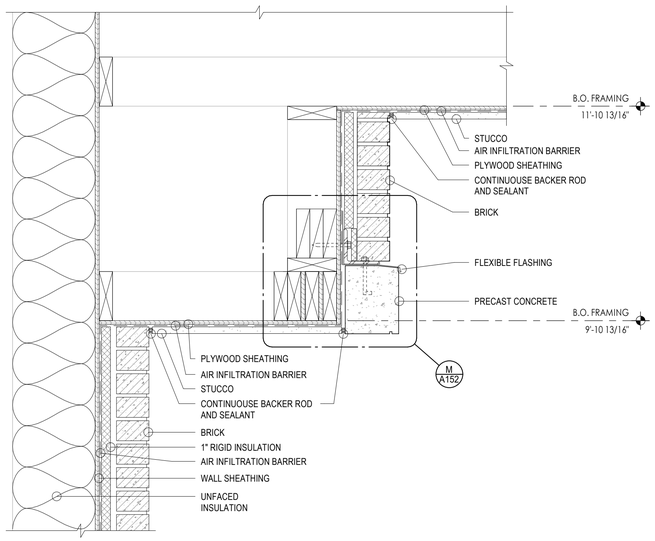
E A152



ROOF FRAMING DETAIL

1 1/2" = 1'-0"

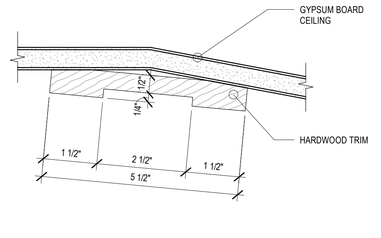
F A152



SOFFIT DETAIL AT ENTRY

1 1/2" = 1'-0"

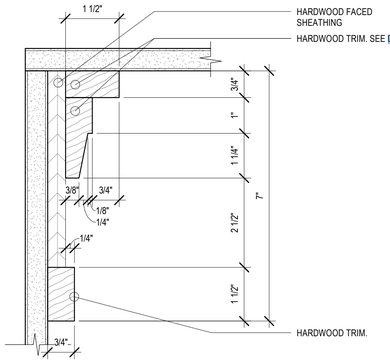
G A152



TRIM DETAIL

6" = 1'-0"

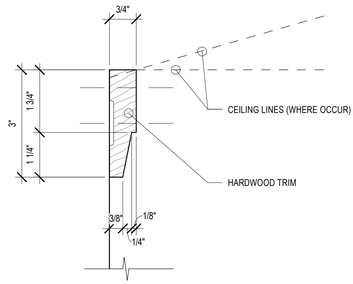
H A152



CEILING TRIM DETAIL

6" = 1'-0"

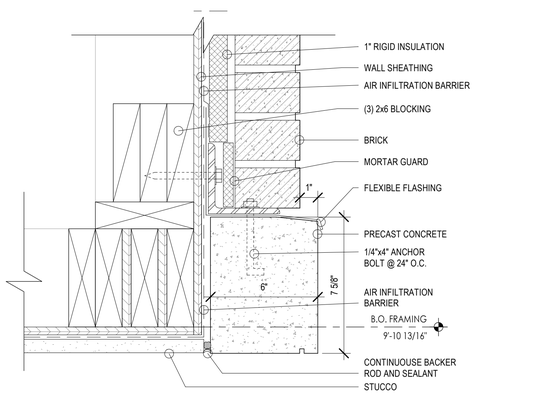
K A152



CROWN MOULDING

6" = 1'-0"

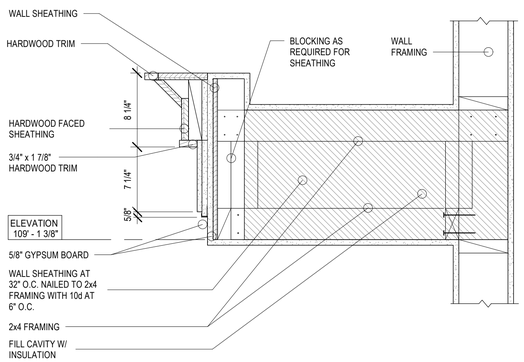
L A152



ENLARGED SOFFIT DETAIL AT ENTRY

3" = 1'-0"

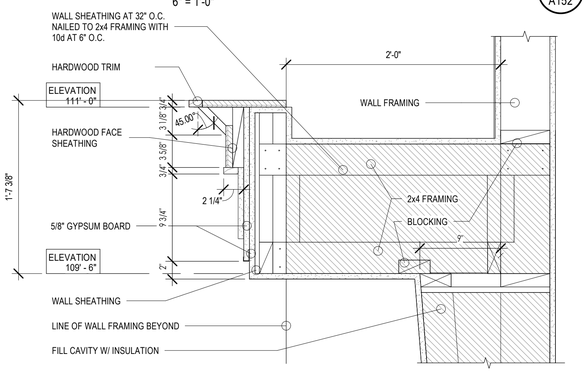
M A152



LIGHT COVE - FOYER

1 1/2" = 1'-0"

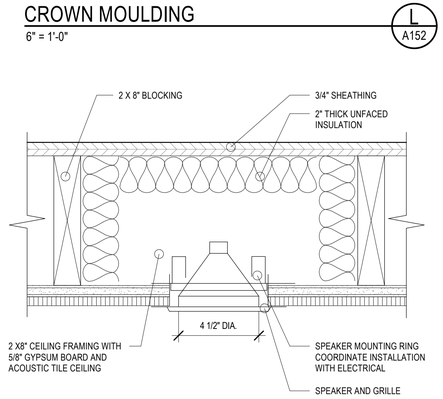
N A152



COVE DETAIL

1 1/2" = 1'-0"

P A152



4" SPEAKER ENCLOSURE DETAIL

3" = 1'-0"

Q A152

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LICENSED ARCHITECT Lafe Theadore Harris 15 AUG 2024 6278-0301 STATE OF UTAH

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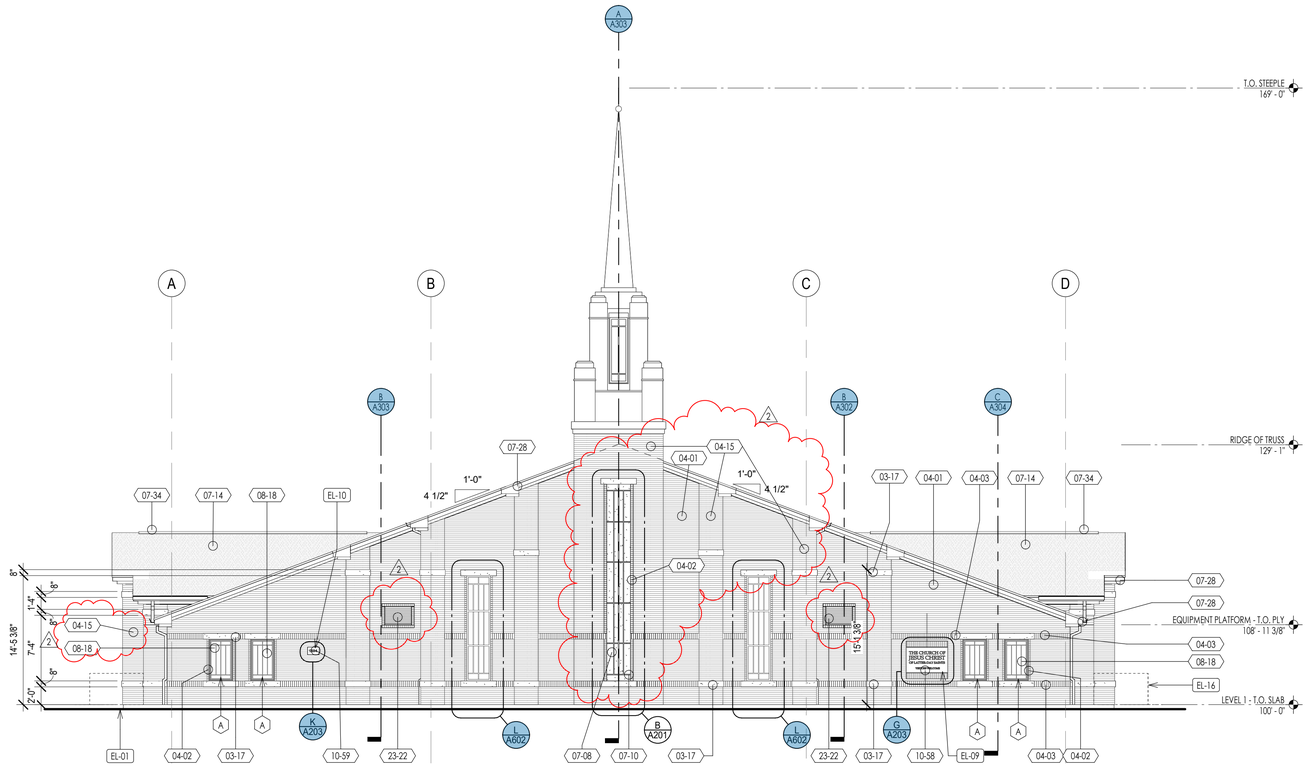
Drawing Issue and Revision Schedule

#	Date	Description

LIGHT COVE AND CEILING TRIM DETAILS

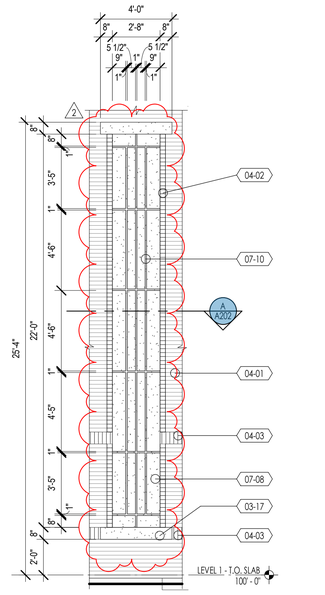
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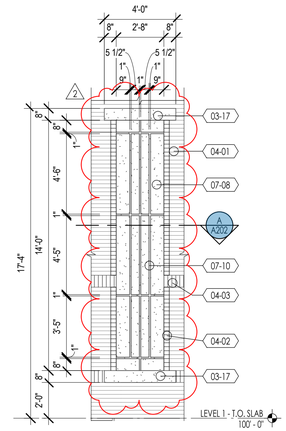
FRONT ELEVATION

1/8" = 1'-0" — A201



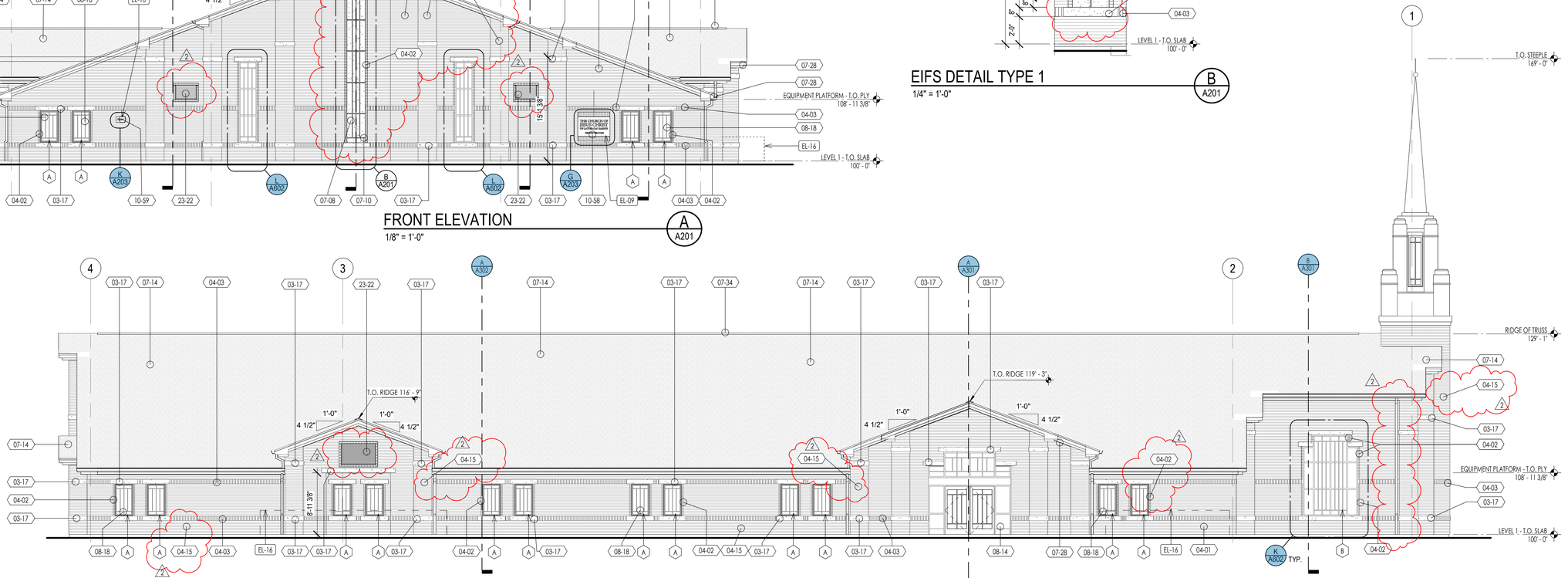
EIFS DETAIL TYPE 1

1/4" = 1'-0" — B A201



EIFS DETAIL TYPE 2

1/4" = 1'-0" — C A201



LEFT ELEVATION

1/8" = 1'-0" — D A201

KEYNOTES

XX-XX — KEYNOTE MATERIAL

MATERIAL / SPECIFICATION KEYNOTES

03-17	ARCHITECTURAL PRE-CAST CONCRETE, SEE DETAILS & SPECIFICATIONS
04-01	BRICK VENEER MASONRY, RUNNING BOND. BRICK TYPE #1. SEE DETAILS & SPECIFICATIONS.
04-02	BRICK VENEER MASONRY, STACK BOND. BRICK TYPE #2. SEE DETAILS & SPECIFICATIONS.
04-03	BRICK VENEER MASONRY, SOLDIER COURSE. BRICK TYPE #2. SEE DETAILS & SPECIFICATIONS.
04-15	BRICK VENEER MASONRY, WAINSCOT, COLUMNS, OR STEEPLE BASE. BRICK TYPE #3. TYPICAL AT ALL WAINSCOT, COLUMNS, AND STEEPLE BASE. SEE DETAILS & SPECIFICATIONS.
07-06	WATER-MANAGED EIFS EXTERIOR WALL FINISH SYSTEM, SEE DETAILS & SPECIFICATIONS
07-10	WATER-MANAGED EIFS ARCHITECTUAL SCORING JOINT, SEE DETAILS & SPECIFICATIONS

MATERIAL / SPECIFICATION KEYNOTES

07-14	COMPOSITE ASPHALT SHINGLES, SEE DETAILS & SPECIFICATIONS
07-28	METAL SOFFIT PANELS & TRIM, SEE DETAILS & SPECIFICATION
07-34	ROOF RELIEF VENTS, SEE DETAILS & SPECIFICATION
08-14	EXTERIOR & INTERIOR ALUMINIUM STOREFRONT ENTRANCES, SEE SCHEDULE & SPECIFICATION
08-18	VINYL FRAMED FIXED WINDOWS, SEE SCHEDULE, DETAILS & SPECIFICATIONS
10-58	ENGRAVED STONE LDS PANEL SIGN, SEE DETAILS & SPECIFICATION
10-59	ENGRAVED ADDRESS STONE SIGN, SEE DETAILS & SPECIFICATION
23-22	HVAC ALUMINIUM LOUVER, SEE MECHANICAL SPECS

FP-XX — KEYNOTE INSTRUCTION

INSTRUCTIONAL KEYNOTES

EL-01	VERIFY THAT ALL GRADE SLOPES AWAY FROM BUILDING. SLOPE SHALL BE 6" SLOPE IN FIRST 10'-0"
EL-09	STONE MEETINGHOUSE SIGN MOUNTED ON LEFT OR RIGHT AS SELECTED BY ARCHITECT. SEE DETAILS
EL-10	BUILDING ADDRESS SIGN. MOUNT AT LOCAITON AS SELECTED BY ARCHITECT AND VISIBLE FROM THE STREET. SEE DETAILS
EL-16	MECHANICAL ENCLOSURE WALL (SHOWN DASHED FOR CLARITY). SEE CIVIL & MECHANICAL DRAWINGS

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LICENSED ARCHITECT Lafe Theodore Harris 7876878-0301 STATE OF UTAH 29 SEP 2024

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

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Vineyard UT Springwater Stake

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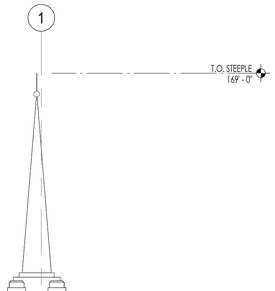
Drawing Issue and Revision Schedule

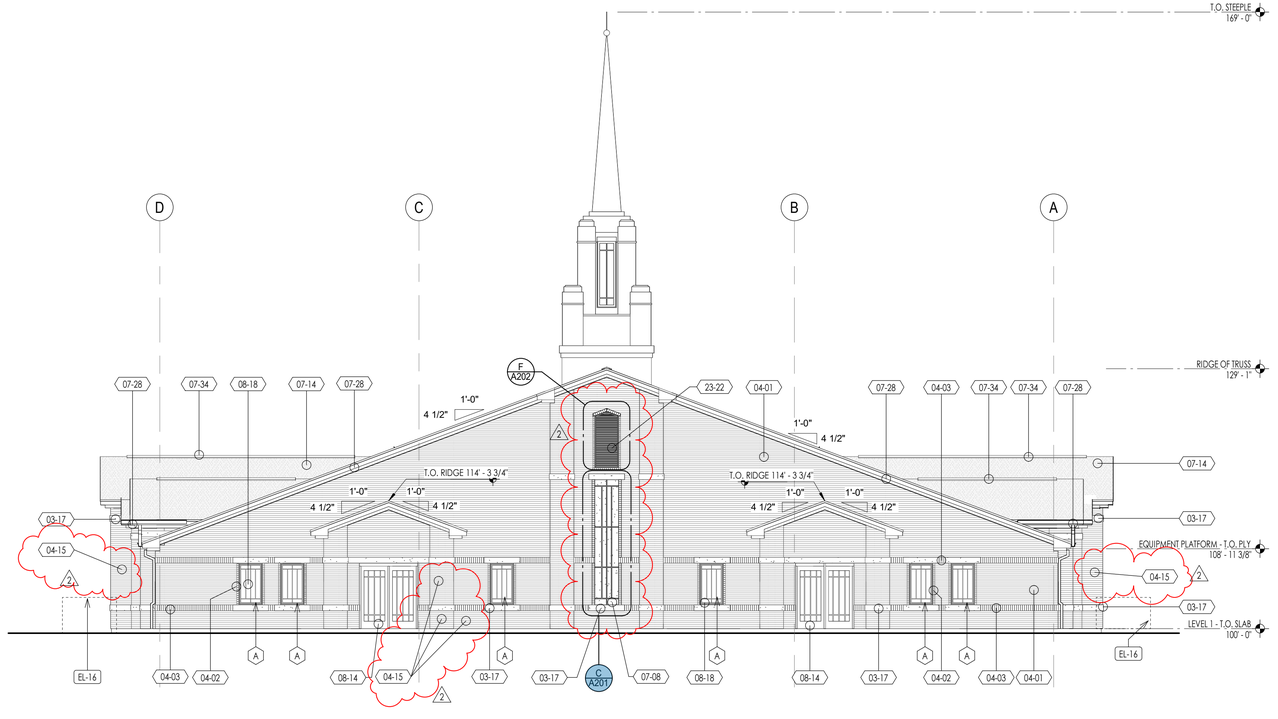
#	Date	Description
2	27 Aug 2024	Addendum #1
1	15 Aug 2024	Bid Documents

BUILDING ELEVATIONS

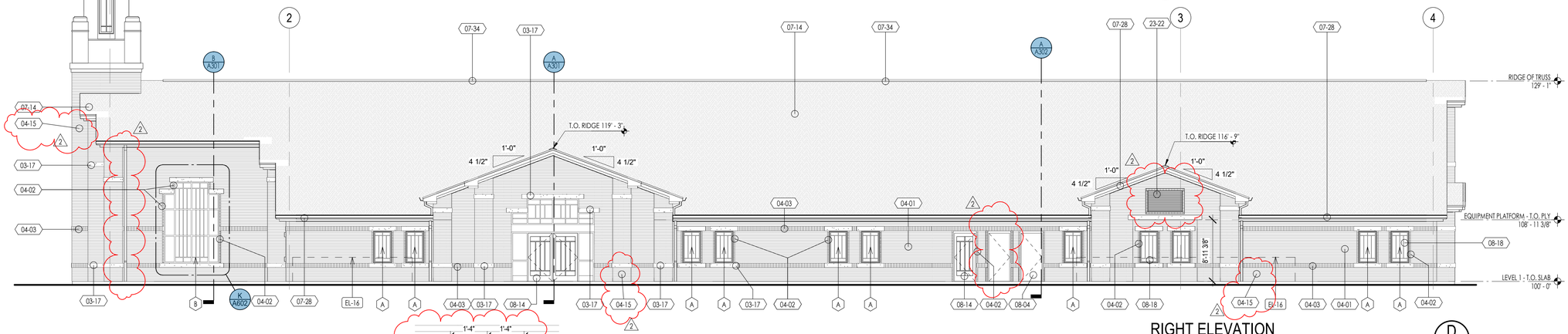
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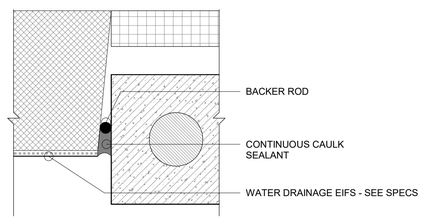




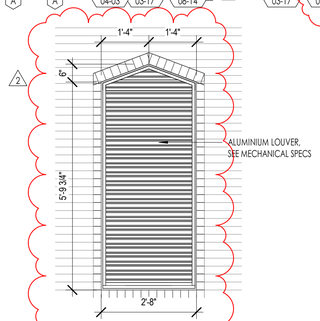
REAR ELEVATION
1/8" = 1'-0"
B
A202



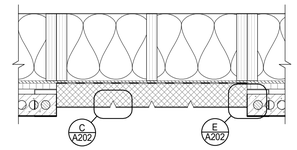
RIGHT ELEVATION
1/8" = 1'-0"
D
A202



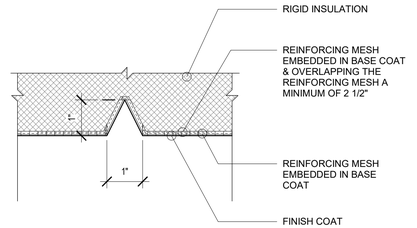
EIFS - ENLARGED EDGE DETAIL
6" = 1'-0"
E
A202



ALUMINIUM LOUVER DETAIL
1/2" = 1'-0"
F
A202



EIFS - SECTION
1" = 1'-0"
A
A202



EIFS - ENLARGED REVEAL DETAIL
6" = 1'-0"
C
A202

KEYNOTES

XX-XX — KEYNOTE MATERIAL

MATERIAL / SPECIFICATION KEYNOTES

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04-03	BRICK VENEER MASONRY, SOLDIER COURSE. BRICK TYPE #2. SEE DETAILS & SPECIFICATIONS.
04-15	BRICK VENEER MASONRY, WAINSCOT, COLUMNS, OR STEEPLE BASE. BRICK TYPE #3. TYPICAL AT ALL WAINSCOT, COLUMNS, AND STEEPLE BASE. SEE DETAILS & SPECIFICATIONS.
07-08	WATER-MANAGED EIFS EXTERIOR WALL FINISH SYSTEM, SEE DETAILS & SPECIFICATIONS

MATERIAL / SPECIFICATION KEYNOTES

07-14	COMPOSITE ASPHALT SHINGLES, SEE DETAILS & SPECIFICATIONS
07-28	METAL SOFFIT PANELS & TRIM, SEE DETAILS & SPECIFICATION
07-34	ROOF RELIEF VENTS, SEE DETAILS & SPECIFICATION
08-04	EXTERIOR HOLLOW METAL INSULATED DOOR FRAME, SEE SCHEDULE & SPECIFICATION
08-14	EXTERIOR & INTERIOR ALUMINIUM STOREFRONT ENTRANCES, SEE SCHEDULE & SPECIFICATION
08-18	VINYL FRAMED FIXED WINDOWS, SEE SCHEDULE, DETAILS & SPECIFICATIONS
23-22	HVAC ALUMINIUM LOUVER, SEE MECHANICAL SPECS

FP-XX — KEYNOTE INSTRUCTION

INSTRUCTIONAL KEYNOTES

EL-16	MECHANICAL ENCLOSURE WALL (SHOWN DASHED FOR CLARITY). SEE CIVIL & MECHANICAL DRAWINGS

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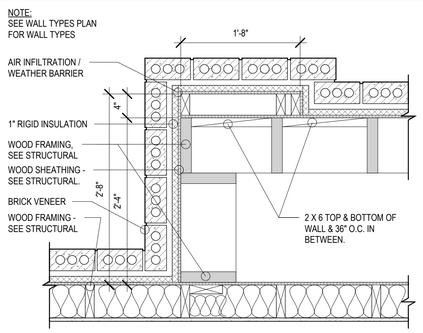
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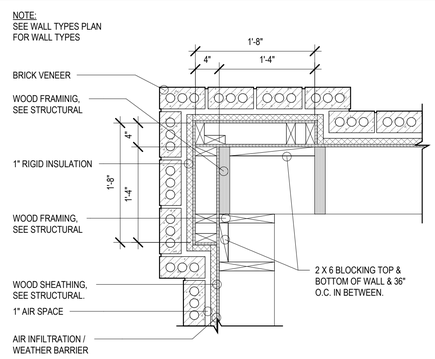
BUILDING ELEVATIONS

A202

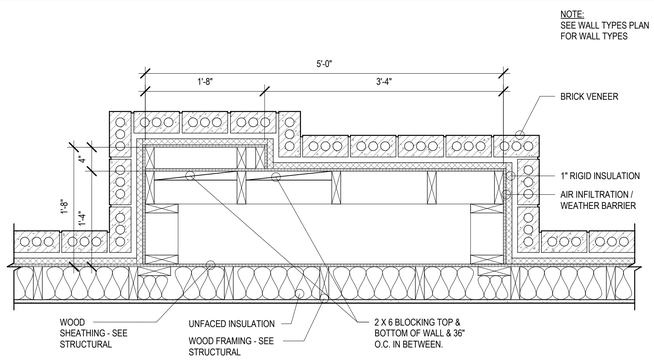
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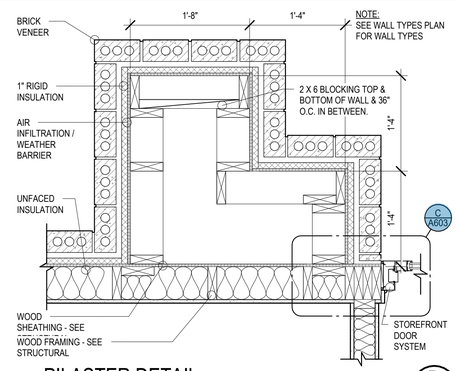
PILASTER DETAIL — A / A203
1" = 1'-0"



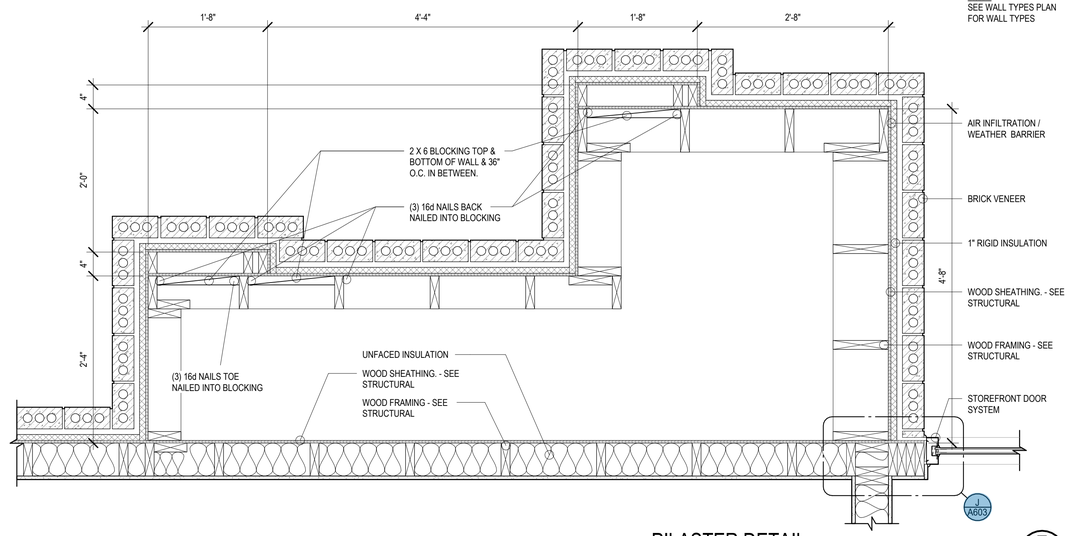
PILASTER DETAIL — B / A203
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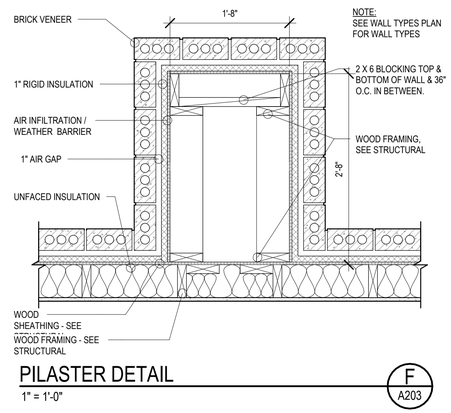
PILASTER DETAIL — C / A203
1" = 1'-0"



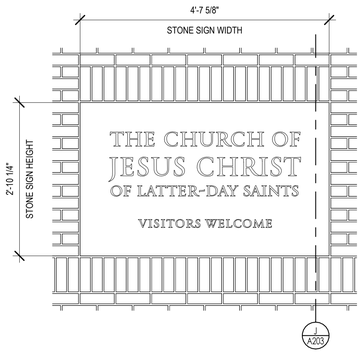
PILASTER DETAIL — D / A203
1" = 1'-0"



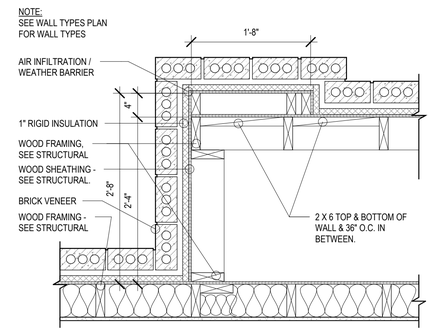
PILASTER DETAIL — E / A203
1" = 1'-0"



PILASTER DETAIL — F / A203
1" = 1'-0"



MEETING HOUSE STONE SIGN — G / A203
3/4" = 1'-0"

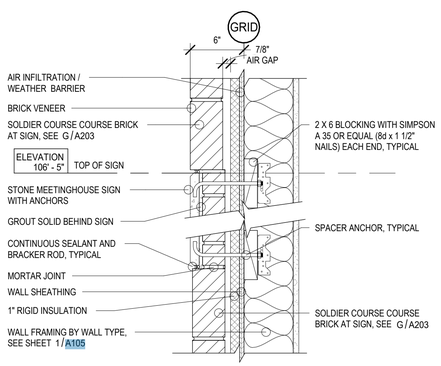


PILASTER DETAIL — H / A203
1" = 1'-0"

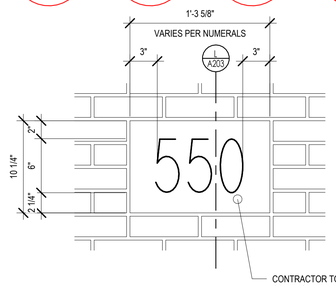
Address Sign Notes

Update the building address number when this address is released by the city. It is not likely that either the number shown on this detail nor the number shown on the title block are correct. Do not fabricate the address sign until it is confirmed in writing by the city to the Architect.

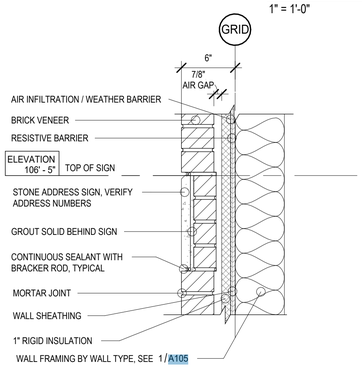
2



STONE SIGN DETAIL — J / A203
1 1/2" = 1'-0"



MEETINGHOUSE ADDRESS SIGN — K / A203
1 1/2" = 1'-0"



ADDRESS SIGN DETAIL — L / A203
1 1/2" = 1'-0"

12/22/2025 2:44:51 PM

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LICENSED ARCHITECT — Lafe Theodore Harris — 27 Aug 2024 — 6279579-0301 — STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

785 East 575 South
Vineyard, Utah 84059

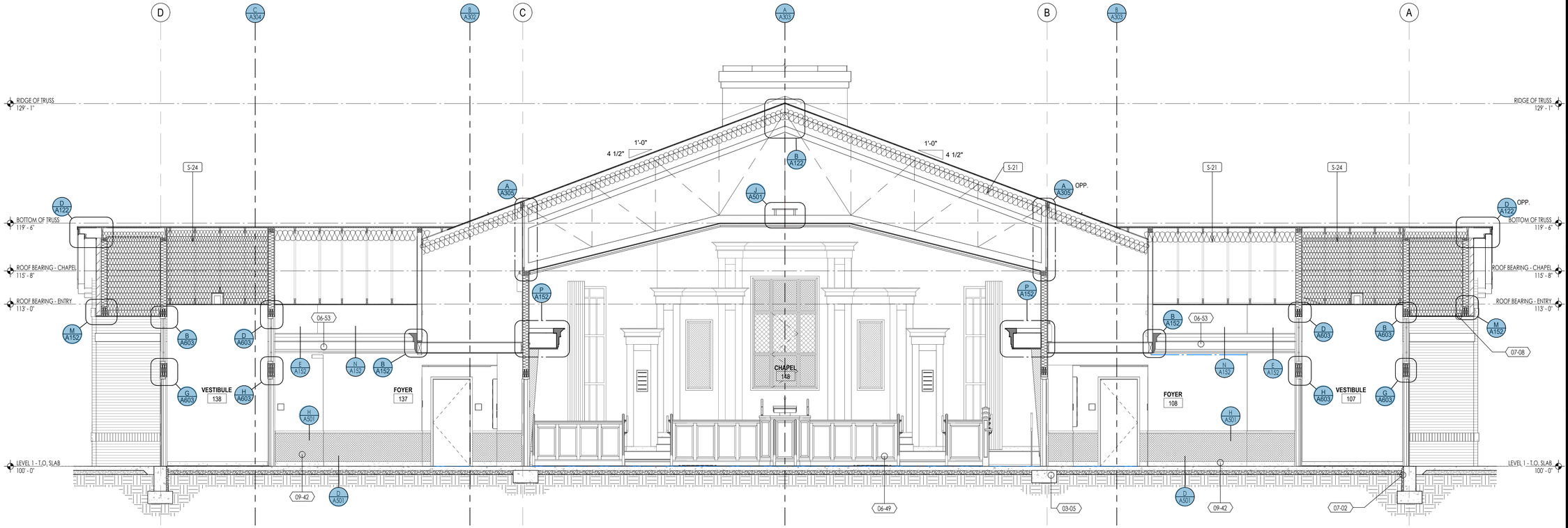
Owner #:	502-2004
Plan Series:	G300-MH-1.1
County Parcel:	39:228:0001
BHD #:	2346
Date:	15 Aug 2024

Drawing Issue and Revision Schedule

#	Date	Description
2	27 Aug 2024	Addendum #1
1	15 Aug 2024	Bid Documents

EXTERIOR PLAN DETAILS

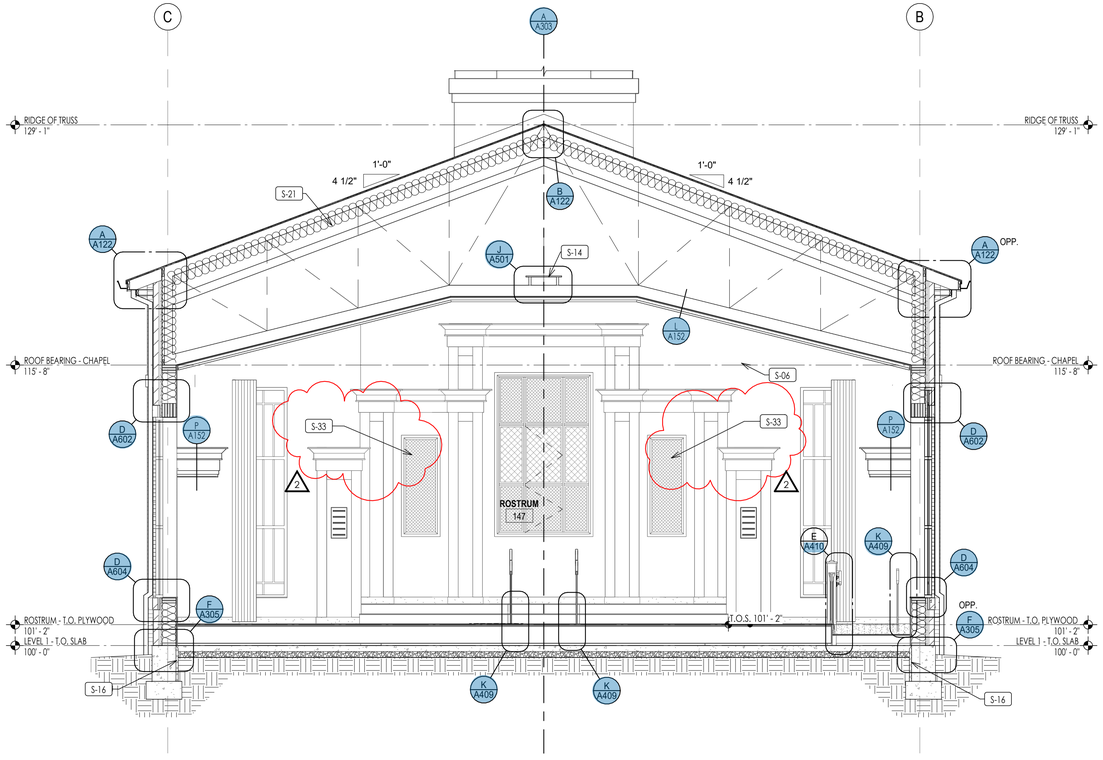
A203



BUILDING SECTION

1/4" = 1'-0"

A A301



BUILDING SECTION

1/4" = 1'-0"

B A301

KEYNOTES

XX-XX — KEYNOTE MATERIAL

MATERIAL / SPECIFICATION KEYNOTES

03-05	CAST IN PLACE FOOTINGS, SEE STRUCTURAL DRAWINGS & SPECIFICATIONS
06-49	ROSTRUM CASEWORK, SEE DETAILS & SPECIFICATION
06-53	HARDWOOD TRIM, SEE DETAILS & SPECIFICATION
07-02	PERIMETER RIGID BOARD INSULATION UNDER SLABS-ON-GRADE, SEE SCHEDULE, DETAILS, & SPECIFICATION
07-08	WATER-MANAGED EIFS EXTERIOR WALL FINISH SYSTEM, SEE DETAILS & SPECIFICATIONS
09-42	SISAL WALL COVERING AS SELECTED, SEE FINISH SCHEDULE/ SPECIFICATION

FP-XX — KEYNOTE INSTRUCTION

INSTRUCTIONAL KEYNOTES

S-06	ELECTRICAL EQUIPMENT/FIXTURES, SEE ELECTRICAL DRAWINGS
S-14	CATWALK, SEE DETAILS
S-16	3" RIGID INSULATION AT INTERIOR FACE OF CONCRETE FROM TOP OF SLAB TO TOP OF FOOTING
S-21	VAPOR RETARDER/ AIR BARRIER MEMBRANE, STAPLE TO SIDES OF TRUSS , SEAL AIRTIGHT, SEE E/A305
S-24	FILL ATTIC SPACE WITH UNFACED INSULATION AS SHOWN, COORDINATE WITH MECHANICAL
S-33	INSTALL ORGAN SPEAKER GRILLE CLOTH IN THIS AREA OVER PAINTED GYPSUM BOARD. PAINT THE GYPSUM BOARD BEHIND THE ORGAN SPEAKER GRILLE CLOTH MATTE BLACK TO MATCH THE ORGAN SPEAKER CHAMBER.

2

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LICENSED ARCHITECT Lafe Theodore Harris 7877809-0301 STATE OF UTAH 27 Aug 2024

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

785 East 575 South
Vineyard, Utah 84059

BHD #: 2346
County Parcel: 39-228-0001
Plan Series: G300-MH-11
Owner #: 502-2004
Date: 15 Aug 2024

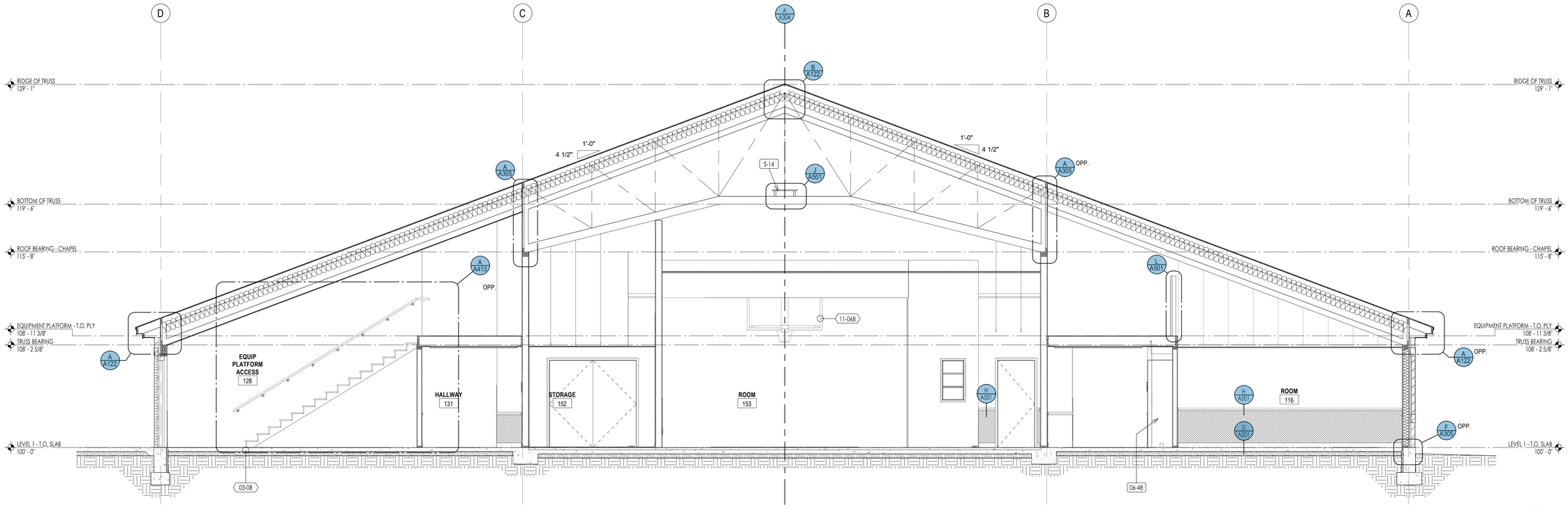
Drawing Issue and Revision Schedule

#	Date	Description
2	27 Aug 2024	Addendum #1
1	15 Aug 2024	Bid Documents

BUILDING SECTIONS

A301

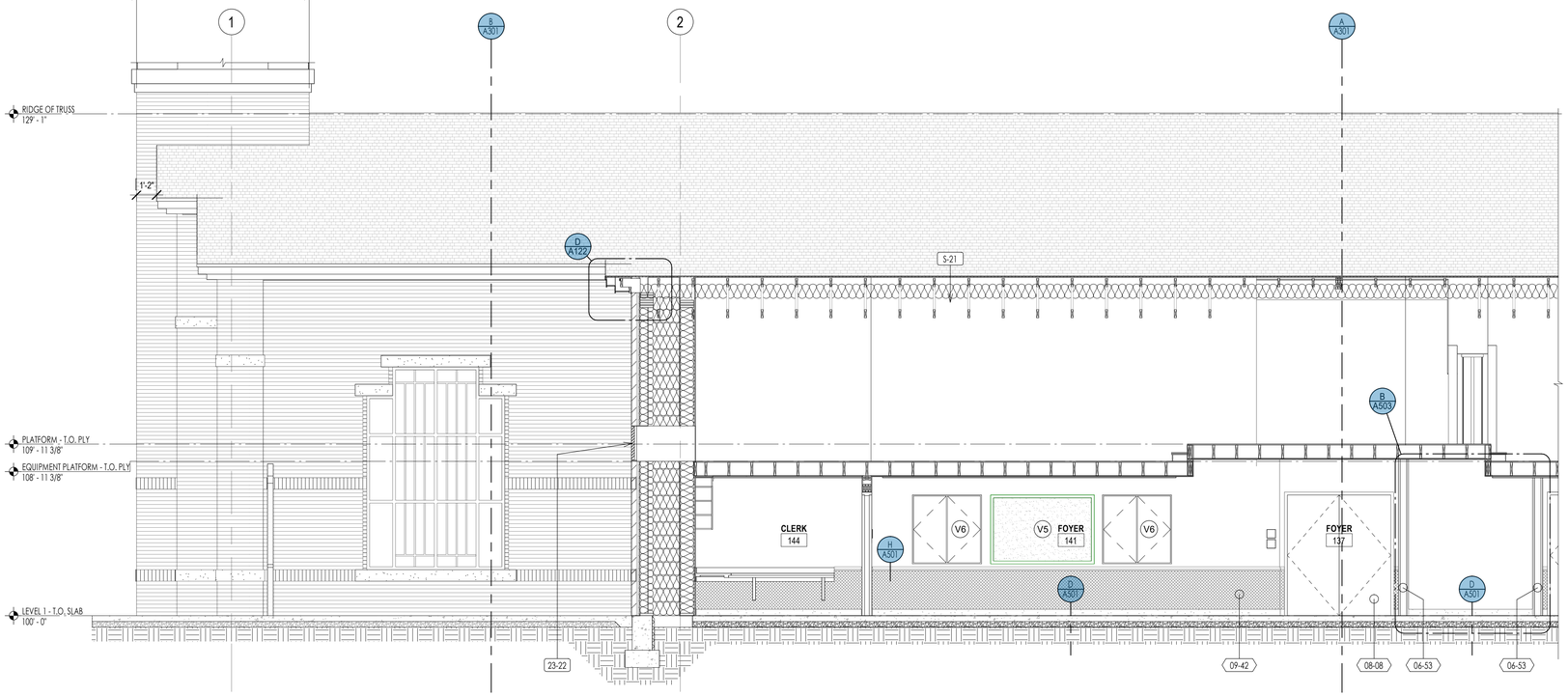
12/22/2025 2:37:00 PM



BUILDING SECTION

1/4" = 1'-0"

A A302



BUILDING SECTION

1/4" = 1'-0"

B A302

KEYNOTES

XX-XX — KEYNOTE MATERIAL

MATERIAL / SPECIFICATION KEYNOTES

03-08	CAST IN PLACE INTERIOR CONCRETE SLABS, SEE STRUCTURAL DRAWINGS & SPECIFICATIONS
06-48	WOOD VENEER FACED ARCHITECTURAL CABINETS, SEE DETAILS & SPECIFICATION
06-53	HARDWOOD TRIM, SEE DETAILS & SPECIFICATION
08-08	INTERIOR SOLID CORE FLUSH WOOD DOORS, FACTORY FINISHED, SEE SCHEDULE & SPECIFICATION
09-42	SISAL WALL COVERING AS SELECTED, SEE FINISH SCHEDULE/ SPECIFICATION
11-06B	ELECTRICALLY OPERATED FOLDING BASKETBALL STANDARD, OPTION '2', SEE DETAILS & SPECIFICATIONS
23-22	HVAC ALUMINIUM LOUVER, SEE MECHANICAL SPECS

FP-XX — KEYNOTE INSTRUCTION

INSTRUCTIONAL KEYNOTES

S-14	CATWALK, SEE DETAILS
S-21	VAPOR RETARDER/ AIR BARRIER MEMBRANE, STAPLE TO SIDES OF TRUSS. SEAL AIRTIGHT, SEE E/A303

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LICENSED ARCHITECT Lafe Theadore Harris 15 Aug 2024 6278878-0301 STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

BHD #: 2346
County Parcel: 39:228:0001
Plan Series: G300-MH-11
Owner #: 502-2004
Date: 15 Aug 2024

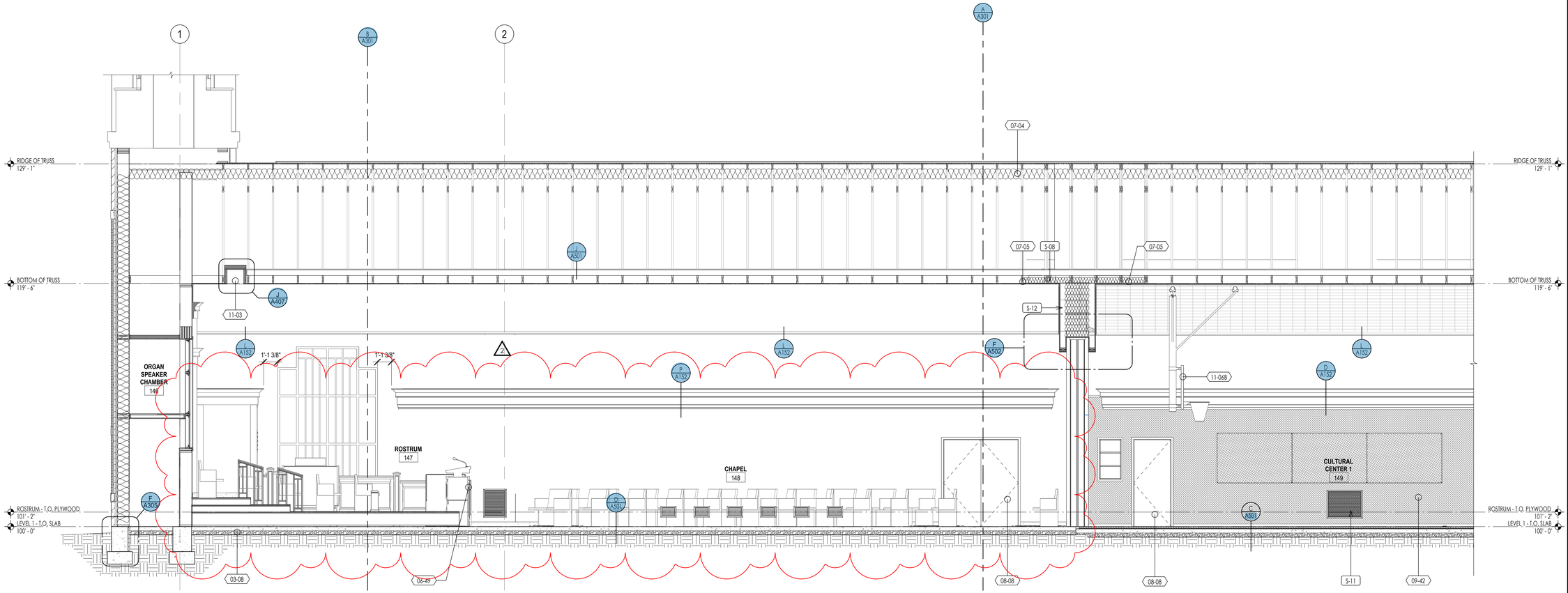
Drawing Issue and Revision Schedule

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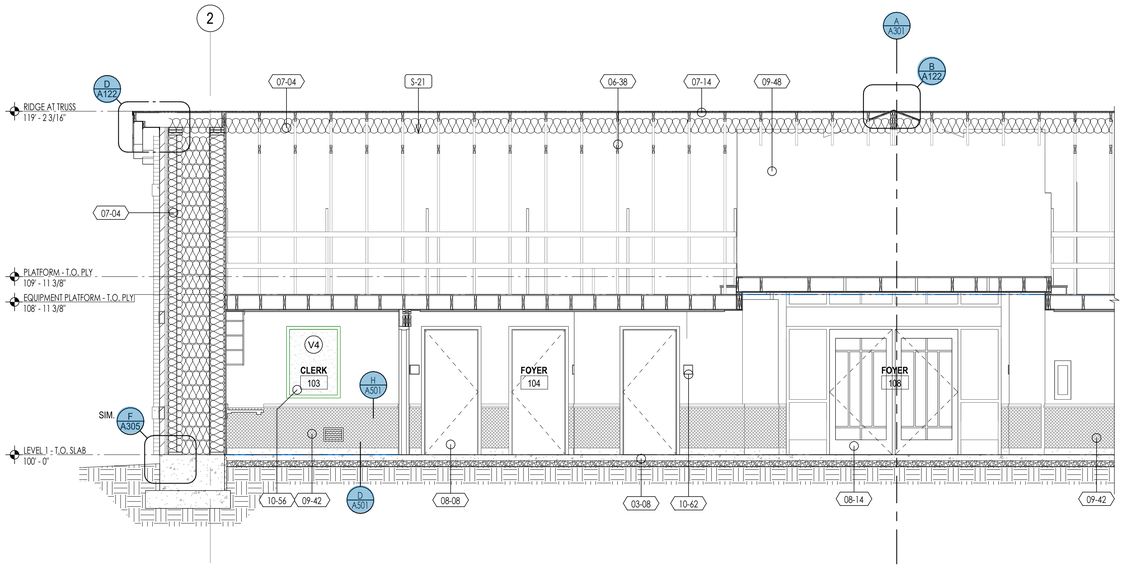
BUILDING SECTIONS

A302

8/15/2024 1:06:29 PM



BUILDING SECTION
1/4" = 1'-0"
A303



BUILDING SECTION
1/4" = 1'-0"
B
A303

KEYNOTE INSTRUCTION

INSTRUCTIONAL KEYNOTES

S-08	FILL FOLDING PARTITION HEADER WITH INSULATION. EXTENT ON BOTH SIDES OF HEADER FOR 4'-0"
S-11	MECHANICAL LOUVER, PAINT WALL BEHIND LOUVER BLACK, TYPICAL
S-12	FILL WITH INSULATION, SEE SPECIFICATIONS
S-21	VAPOR RETARDER/ AIR BARRIER MEMBRANE, STAPLE TO SIDES OF TRUSS. SEAL AIRTIGHT, SEE E/A305.

KEYNOTES

XX-XX — KEYNOTE MATERIAL

MATERIAL / SPECIFICATION KEYNOTES

03-08	CAST IN PLACE INTERIOR CONCRETE SLABS, SEE STRUCTURAL DRAWINGS & SPECIFICATIONS
06-38	PRE-ENGINEERED ROOF TRUSSES, SEE STRUCTURAL DRAWINGS
06-49	ROSTRUM CASEWORK, SEE DETAILS & SPECIFICATION
07-04	BLANKET THERMAL INSULATION, SEE SCHEDULE, DETAILS, & SPECIFICATION
07-05	BLANKET SOUND INSULATION
07-14	COMPOSITE ASPHALT SHINGLES, SEE DETAILS & SPECIFICATIONS
08-08	INTERIOR SOLID CORE FLUSH WOOD DOORS, FACTORY FINISHED, SEE SCHEDULE & SPECIFICATION
08-14	EXTERIOR & INTERIOR ALUMINIUM STOREFRONT ENTRANCES, SEE SCHEDULE & SPECIFICATION
09-42	SISAL WALL COVERING AS SELECTED, SEE FINISH SCHEDULE/ SPECIFICATION
09-48	INTERIOR PAINTED GYPSUM BOARD, SEE PAINT SCHEDULE/ SPECIFICATION
10-56	FIXED TACKBOARDS, SEE SPECIFICATION
10-62	ROOM SIGNAGE, SEE DETAILS & SPECIFICATION
11-03	ELECTRICALLY OPERATED PROJECTION SCREEN, SEE DETAILS & SPECIFICATION
11-06B	ELECTRICALLY OPERATED FOLDING BASKETBALL STANDARD, OPTION '2', SEE DETAILS & SPECIFICATIONS

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LICENSED ARCHITECT Late Theodore Harris 27 Aug 2012 6878-0301 STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake
785 East 575 South
Vineyard, Utah 84059

BHD #: 2346
County Parcel: 39:228:0001
Plan Series: G300-MH-11
Owner #: 502-2004
Date: 15 Aug 2024

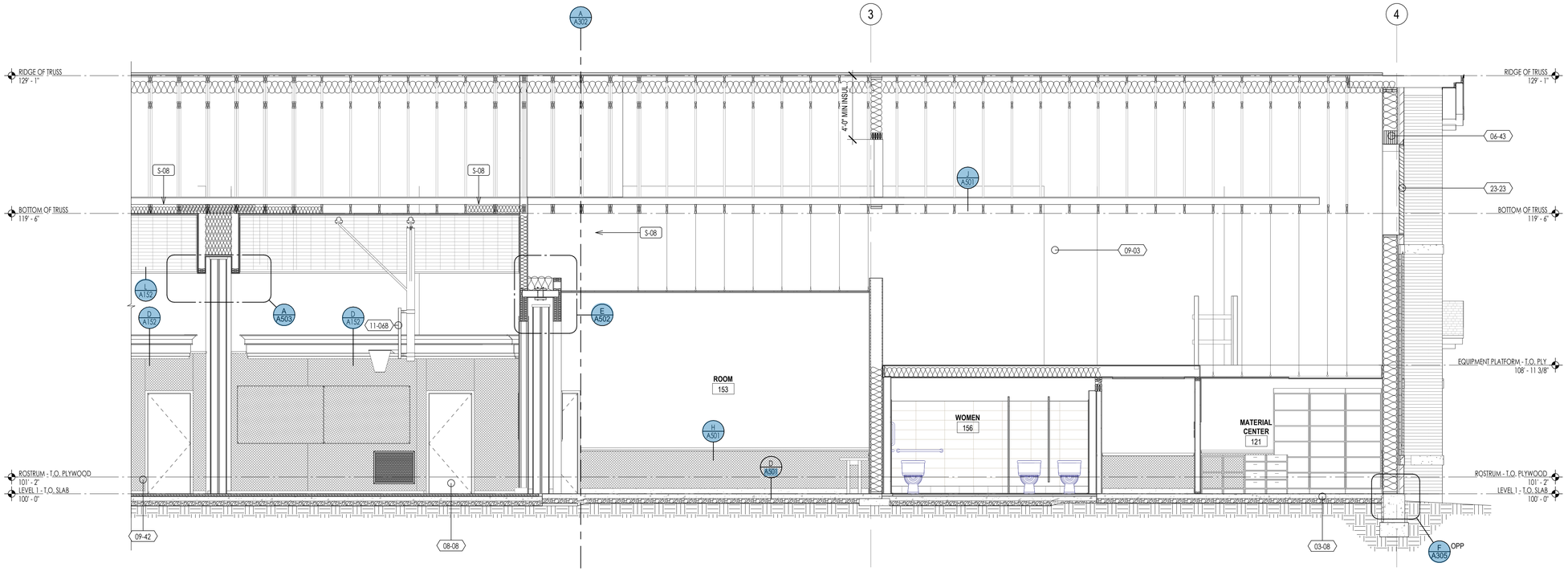
Drawing Issue and Revision Schedule

#	Date	Description
2	27 Aug 2024	Addendum #1
1	15 Aug 2024	Bid Documents

BUILDING SECTIONS

A303

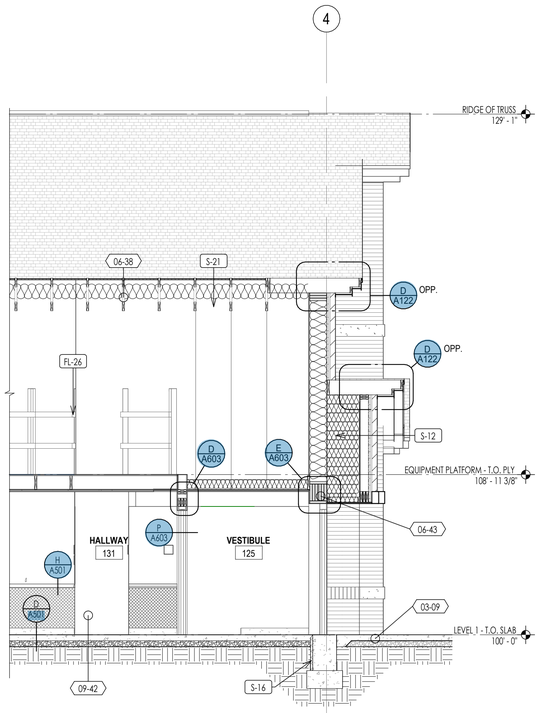
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BUILDING SECTION

1/4" = 1'-0"

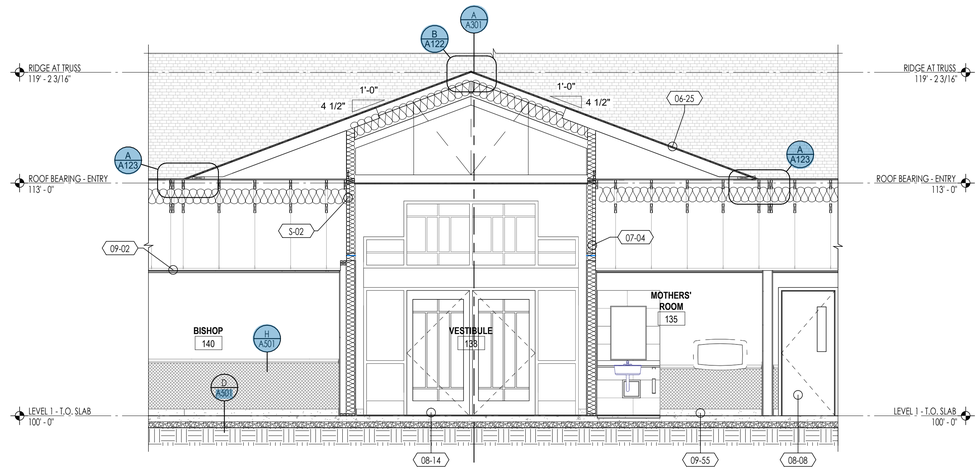
A304



BUILDING SECTION

1/4" = 1'-0"

B A304



BUILDING SECTION

1/4" = 1'-0"

C A304

KEYNOTES

XX-XX — KEYNOTE MATERIAL

MATERIAL / SPECIFICATION KEYNOTES

03-08	CAST IN PLACE INTERIOR CONCRETE SLABS, SEE STRUCTURAL DRAWINGS & SPECIFICATIONS
03-09	CAST IN PLACE EXTERIOR CONCRETE SLABS, SEE STRUCTURAL DRAWINGS & SPECIFICATIONS
06-25	ROOF SHEATHING, SEE STRUCTURAL DRAWINGS
06-38	PRE-ENGINEERED ROOF TRUSSES, SEE STRUCTURAL DRAWINGS
06-43	STRUCTURAL LAMINATED VENEER LUMBER BEAM, SEE STRUCTURAL
07-04	BLANKET THERMAL INSULATION, SEE SCHEDULE, DETAILS, & SPECIFICATION
08-08	INTERIOR SOLID CORE FLUSH WOOD DOORS, FACTORY FINISHED, SEE SCHEDULE & SPECIFICATION
08-14	EXTERIOR & INTERIOR ALUMINIUM STOREFRONT ENTRANCES, SEE SCHEDULE & SPECIFICATION
09-02	METAL SUSPENSION SYSTEM W/ GYPSUM BOARD, SEE DETAILS AND SPECIFICATION
09-03	5/8" GYPSUM BOARD, DETAILS & SPECIFICATION
09-42	SISAL WALL COVERING AS SELECTED, SEE FINISH SCHEDULE/ SPECIFICATION
09-55	CARPET BASE, SEE FINISH SCHEDULE/ SPECIFICATION
11-06B	ELECTRICALLY OPERATED FOLDING BASKETBALL STANDARD, OPTION '2', SEE DETAILS & SPECIFICATIONS
23-23	HVAC LOUVER, SEE MECHANICAL DRAWINGS & SPECIFICATION

FP-XX — KEYNOTE INSTRUCTION

INSTRUCTIONAL KEYNOTES

FL-26	INSTALL SAFETY GUARDRAIL & HANDRAIL IN LOFT EXCEPT WHERE PROTECTED BY MECH. DUCTWORK. SEE DETAILS
S-02	CONTRACTOR SHALL EXTEND WALL FRAMING, AND INSULATION TO UNDERSIDE OF ROOF DECK. GYPSUM BOARD TO EXTEND TO CEILING ONLY
S-08	FILL FOLDING PARTITION HEADER WITH INSULATION. EXTENT ON BOTH SIDES OF HEADER FOR 4'-0"
S-12	FILL WITH INSULATION, SEE SPECIFICATIONS
S-16	3" RIGID INSULATION AT INTERIOR FACE OF CONCRETE FROM TOP OF SLAB TO TOP OF FOOTING
S-21	VAPOR RETARDER/ AIR BARRIER MEMBRANE, STAPLE TO SIDES OF TRUSS. SEAL AIRTIGHT, SEE E/A305

2

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LICENSED ARCHITECT
Lafe Theadore Harris
15 AUG 2024
5526878-0301
STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

785 East 575 South
Vineyard, Utah 84059

Owner #: 502-2004
Plan Series: G300-MH-11
County Parcel: 39:228:0001
BHD #: 2346
Date: 15 Aug 2024

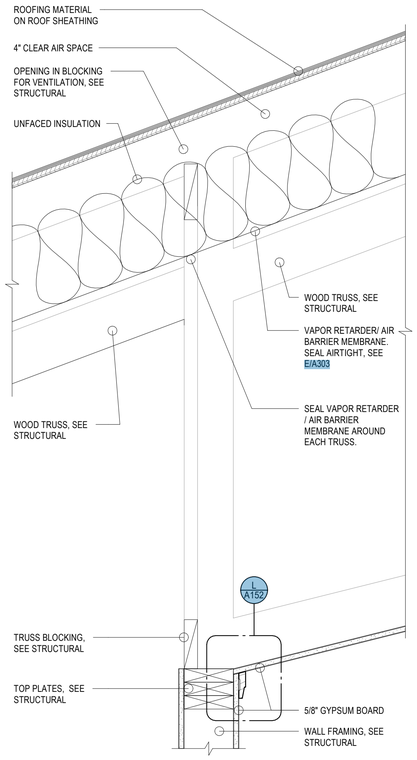
Drawing Issue and Revision Schedule

#	Date	Description
2	27 Aug 2024	Addendum #1
1	15 Aug 2024	Bid Documents

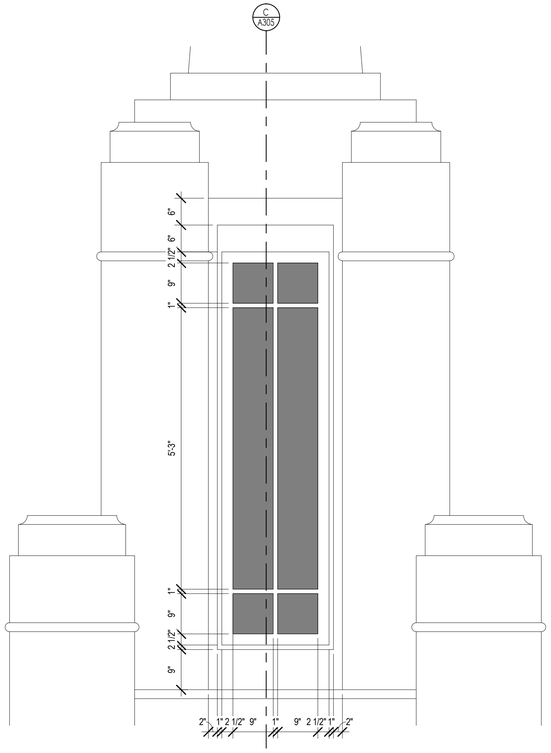
BUILDING SECTION

A304

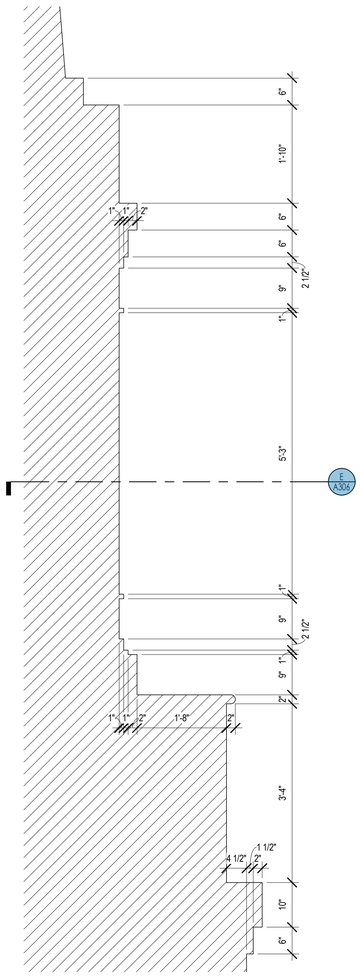
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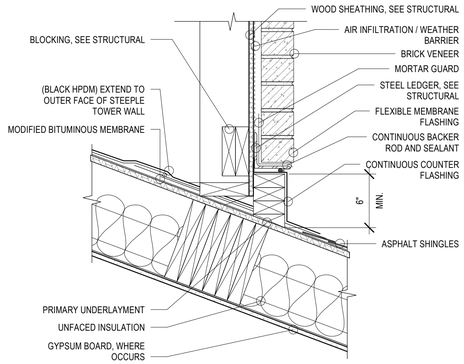
ROOF DETAIL
1 1/2" = 1'-0"
A A305



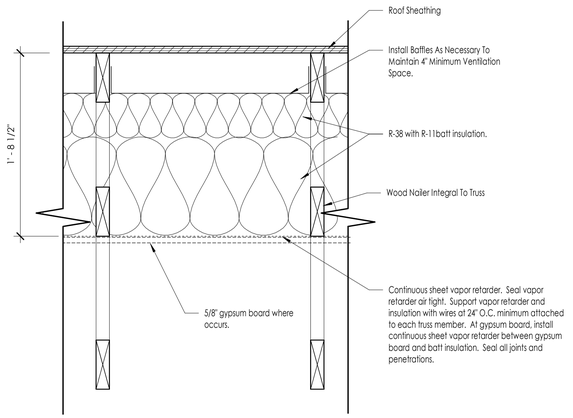
WINDOW DETAIL
3/4" = 1'-0"
B A305



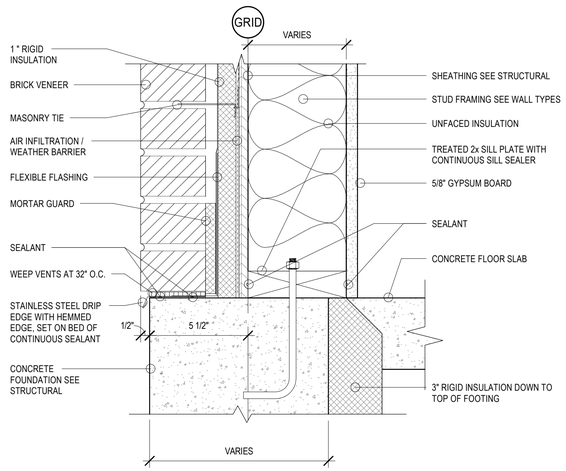
ENLARGED STEEPLE WINDOW SECTION
3/4" = 1'-0"
C A305



ENLARGED STEEPLE DETAIL
1 1/2" = 1'-0"
D A305



INSULATION / VAPOR RETARDER
1 1/2" = 1'-0"
E A305



EXTERIOR WALL BASE DETAIL (TYP.)
3" = 1'-0"
F A305

8/15/2024 1:04:35 PM

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LICENSED ARCHITECT
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STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

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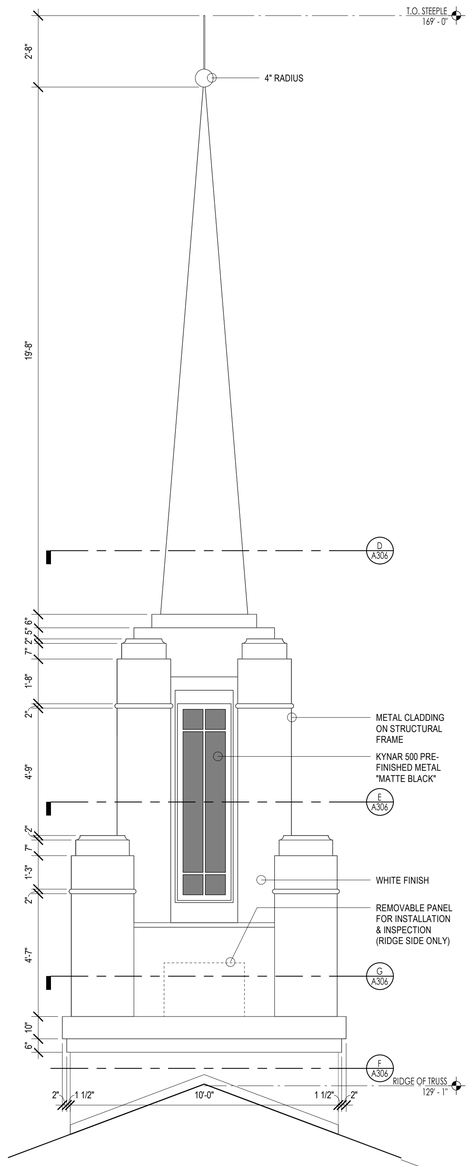
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BHD #: 2346
County Parcel: 39-228-0001
Plan Series: G300-MH-11
Owner #: 502-2004

Drawing Issue and Revision Schedule

#	Date	Description

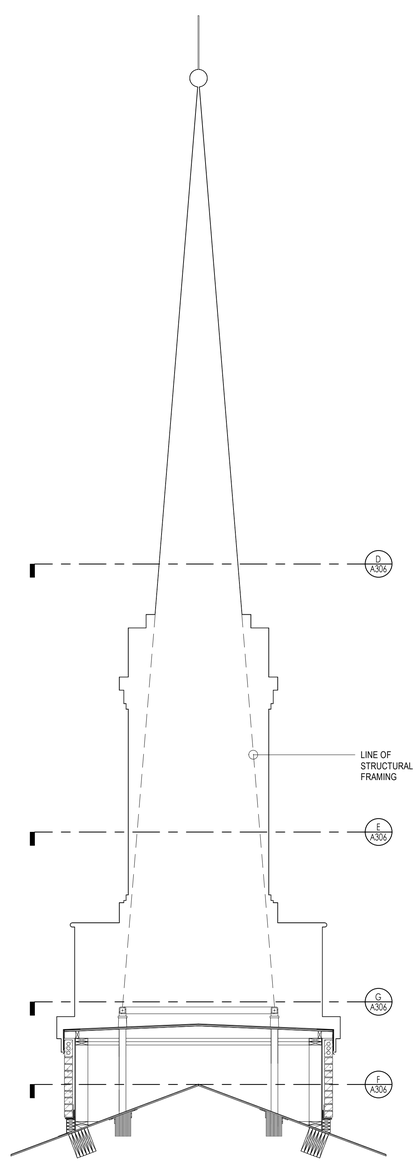
DETAILS

A305



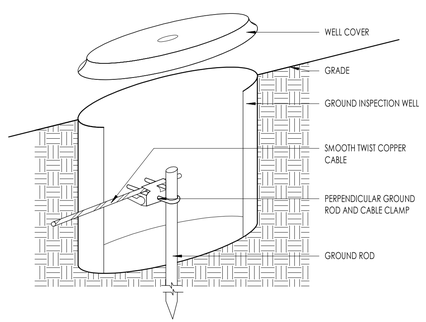
STEEPLE ELEVATION

3/8" = 1'-0" — A306



STEEPLE SECTION

3/8" = 1'-0" — B A306

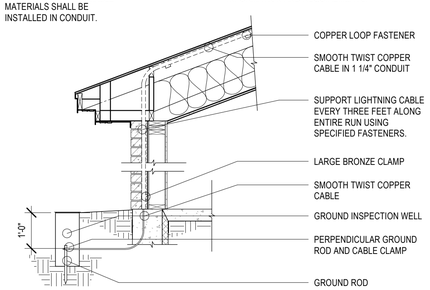


GROUND INSPECTION WELL

NTS — J A306

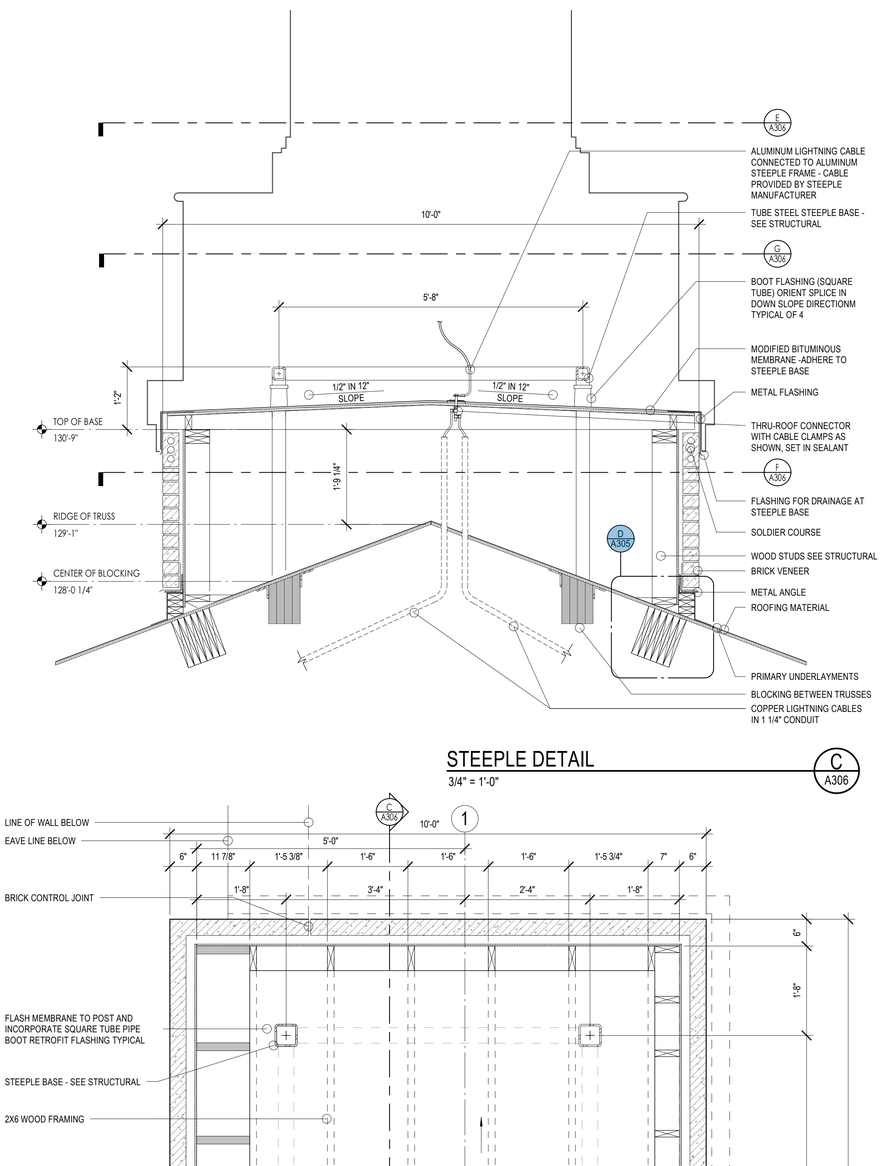
ALL BARE CONDUCTORS IN CONTACT WITH FLAMMABLE MATERIALS SHALL BE INSTALLED IN CONDUIT.

REFER TO THE SPECIFICATIONS FOR ADDITONAL INFORMATION AND REQUIREMENTS.



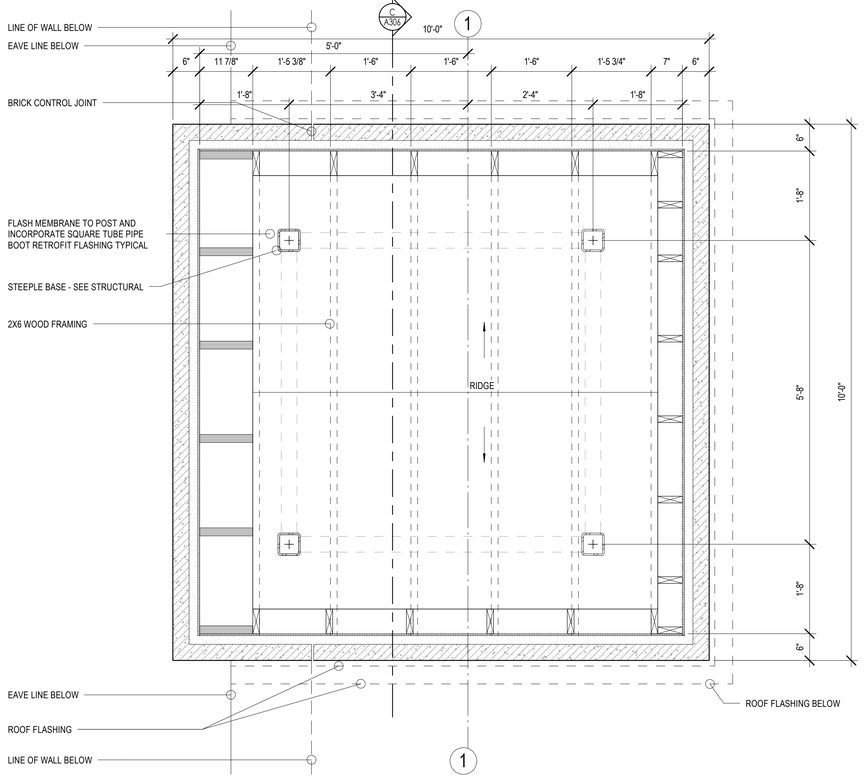
CABLE INSTALLATION DETAIL

1/2" = 1'-0" — K A306



STEEPLE DETAIL

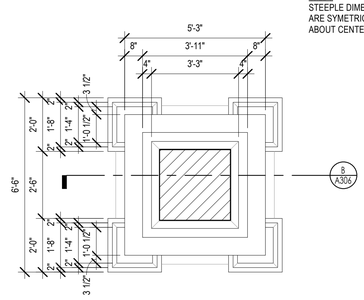
3/4" = 1'-0" — C A306



STEEPLE BASE FRAMING

3/4" = 1'-0" — F A306

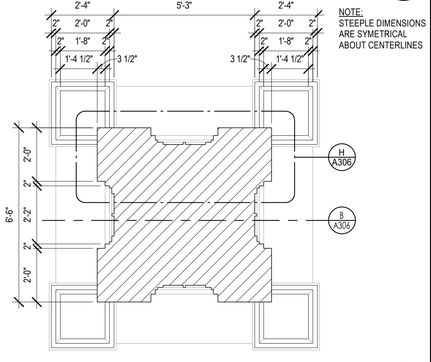
NOTE:
STEEPLE DIMENSIONS ARE SYMETRICAL ABOUT CENTERLINES



STEEPLE PLAN

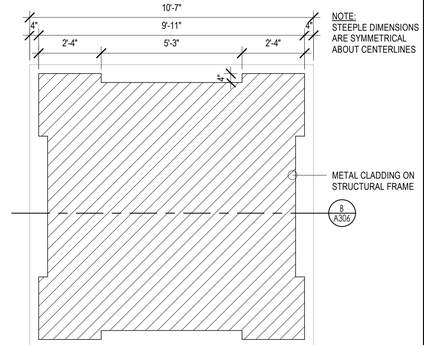
3/8" = 1'-0" — D A306

NOTE:
STEEPLE DIMENSIONS ARE SYMETRICAL ABOUT CENTERLINES



STEEPLE PLAN

3/8" = 1'-0" — H A306

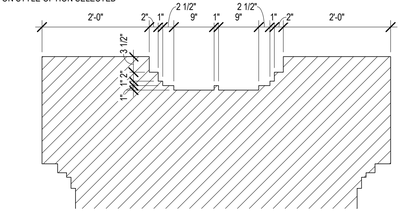


NOTE:
STEEPLE DIMENSIONS ARE SYMMETRICAL ABOUT CENTERLINES

STEEPLE PLAN

3/8" = 1'-0" — G A306

NOTE:
NUMBER AND PLACEMENT OF MUNTINS IN WINDOW ELEMENT MAY VARY DEPENDING ON STYLE OPTION SELECTED



STEEPLE PLAN

3/4" = 1'-0" — H A306

bhd ARCHITECTS
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65 East Wadsworth Park Drive
Suite 205 Draper, Utah 84020

LICENSED ARCHITECT
Lafe Theadore Harris
15 AUG 2024
STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 540 South Geneva Road
Vineyard, Utah 84059

Owner #:	502-2004
Plan Series:	G300-MH-11
County Parcel:	39-228:0001
BHD #:	2346
Date:	15 Aug 2024

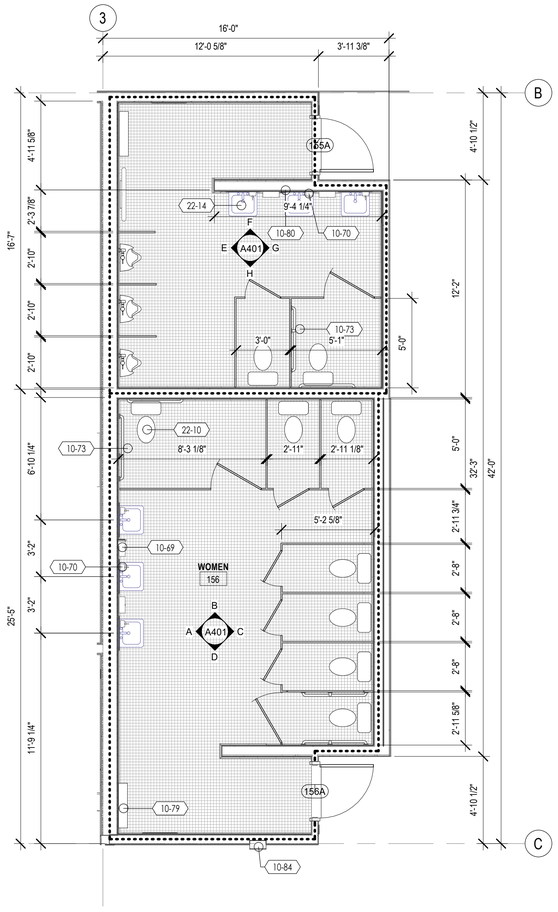
Drawing Issue and Revision Schedule

#	Date	Description

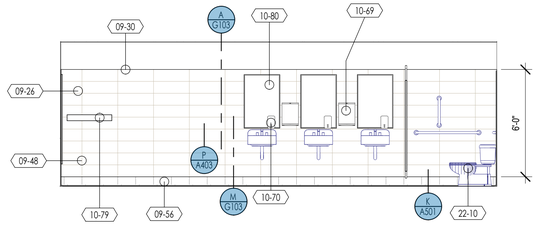
STEEPLE PLANS, ELEVATIONS, SECTIONS AND DETAILS

A306

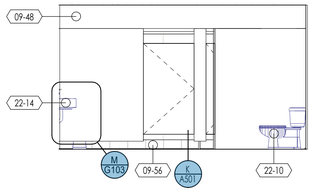
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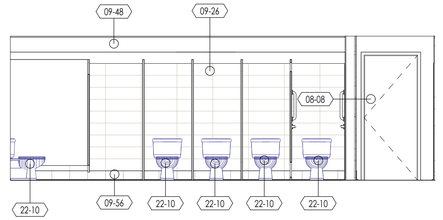
ENLARGED RESTROOM PLANS
1/4" = 1'-0"
1 A401



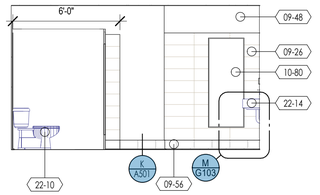
ELEVATION
1/4" = 1'-0"
A A401



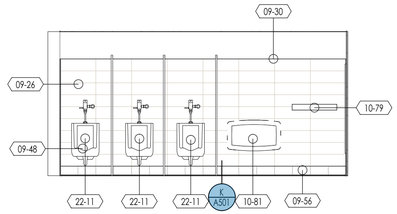
ELEVATION
1/4" = 1'-0"
B A401



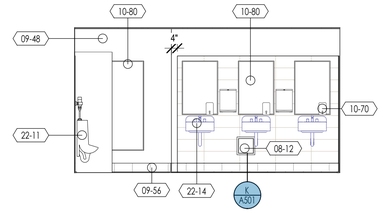
ELEVATION
1/4" = 1'-0"
C A401



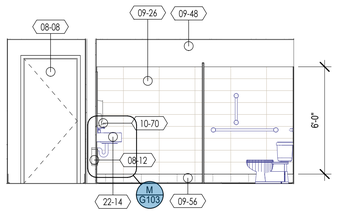
ELEVATION
1/4" = 1'-0"
D A401



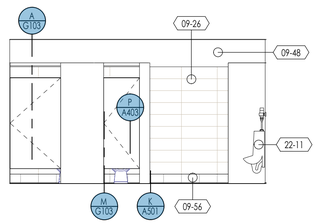
ELEVATION
1/4" = 1'-0"
E A401



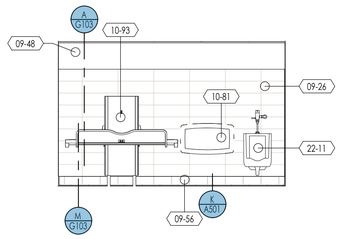
ELEVATION
1/4" = 1'-0"
F A401



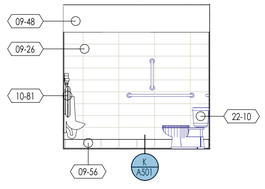
ELEVATION
1/4" = 1'-0"
G A401



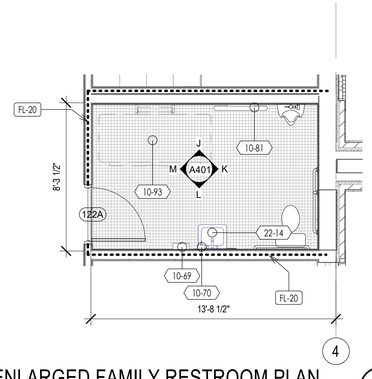
ELEVATION
1/4" = 1'-0"
H A401



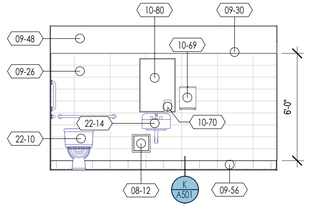
ELEVATION
1/4" = 1'-0"
J A401



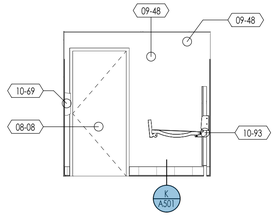
ELEVATION
1/4" = 1'-0"
K A401



ENLARGED FAMILY RESTROOM PLAN
1/4" = 1'-0"
2 A401



ELEVATION
1/4" = 1'-0"
L A401



ELEVATION
NTS
M A401

GENERAL NOTES

IN ACCESSIBLE STALLS, PROVIDE A PULL OR GRASP NEAR THE LATCH ON BOTH SIDES OF EACH TOILET COMPARTMENT DOOR.

KEYNOTES

XX-XX — KEYNOTE MATERIAL

MATERIAL / SPECIFICATION KEYNOTES

08-08	INTERIOR SOLID CORE FLUSH WOOD DOORS, FACTORY FINISHED, SEE SCHEDULE & SPECIFICATION
08-12	WALL ACCESS DOORS & FRAMES
09-26	CERAMIC GLAZED WALL TILE SEE FINISH SCHEDULE, DETAILS & SPECIFICATION
09-30	TILE METAL EDGE STRIPS SEE DETAILS & SPECIFICATION
09-48	INTERIOR PAINTED GYPSUM BOARD, SEE PAINT SCHEDULE/ SPECIFICATION
09-56	COVED TILE BASE, SEE DETAILS & SPECIFICATION
10-69	PAPER TOWEL (ROLL) DISPENSER
10-70	LIQUID-SOAP DISPENSER
10-73	GRAB BAR
10-79	UTILITY SHELF
10-80	MIRROR WITH METAL FRAME
10-81	BABY CHANGING STATION, SEE SPECIFICATION
10-84	FIRE PROTECTION CABINET, SEE SPECIFICATION
10-93	POTENTIAL FUTURE ADULT CHANGING STATION NOT INSTALLED, PROVIDE STRUCTURAL BLOCKING AND POWER, SEE SPECIFICATION
22-10	COMMERCIAL WATER CLOSET, SEE PLUMBING DRAWINGS & SPECIFICATION
22-11	COMMERCIAL URINAL, SEE PLUMBING DRAWINGS & SPECIFICATION
22-14	COMMERCIAL LAVATORY/SINK FAUCET, SEE PLUMBING DRAWINGS & SPECIFICATION

FP-XX — KEYNOTE INSTRUCTION

INSTRUCTIONAL KEYNOTES

FL-20	PROVIDE SOLID BLOCKING IN THE WALLS AT ALL DOOR STOPS, VISUAL DESPLAY BOARDS, TOILET COMPARTMENTS, LAVATORY SUPPORTS, WALL HUNG CABINETS, AND ALL OTHER EQUIPMENT & ACCESSORY LOCAITONS AS PER STRUCT. BLOCKING SCHEDULE

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15 Aug 2024
6278878-0301
STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake
Approx. 542 South Geneva Road
Vineyard, Utah 84059

BHD #: 2346
County Parcel: 39-228:0001
Plan Series: G300-MH-11
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Date: 15 Aug 2024

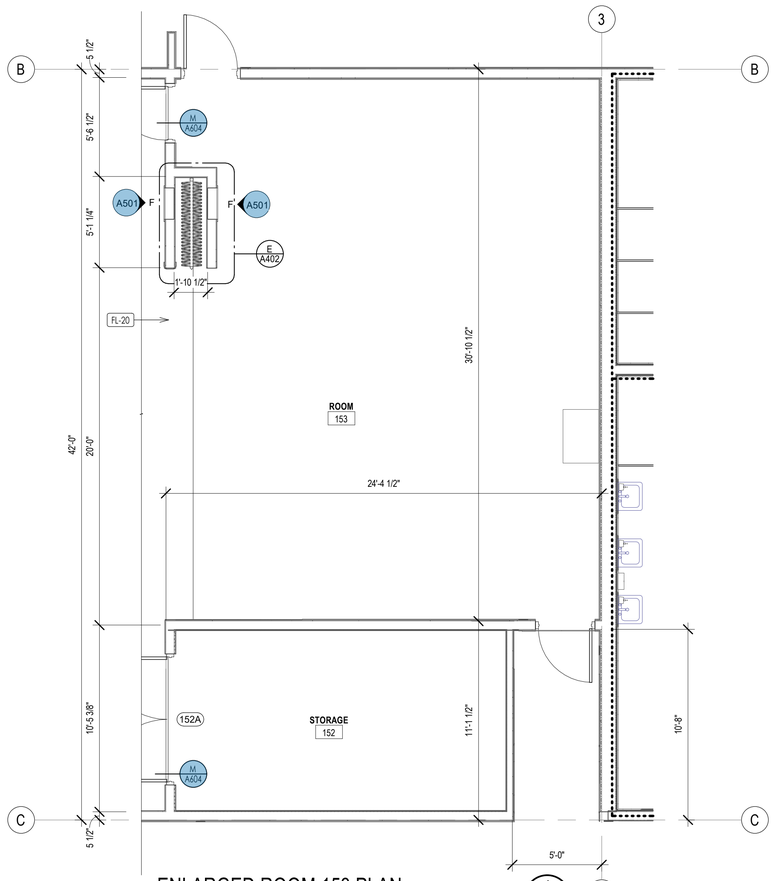
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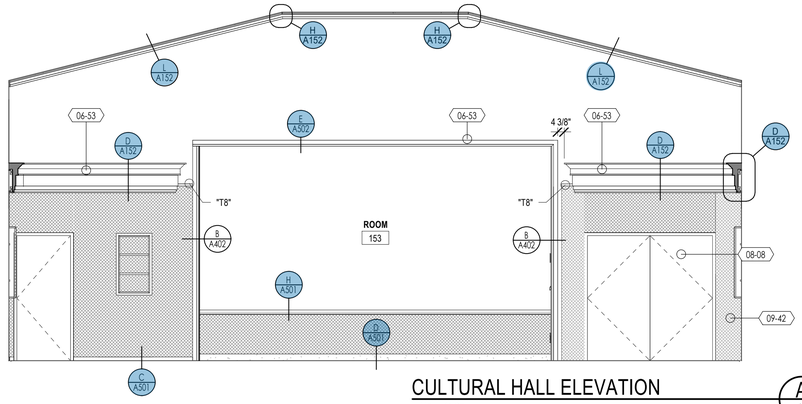
ENLARGED RESTROOM PLAN AND ELEVATIONS

A401

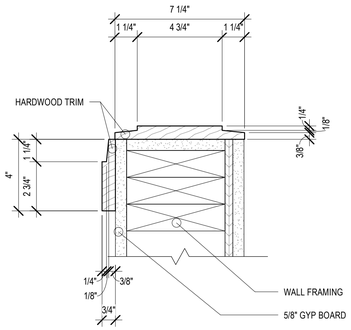
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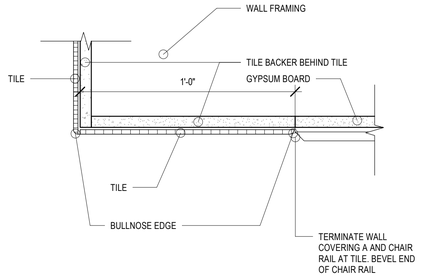
ENLARGED ROOM 153 PLAN
1/4" = 1'-0"
1 A402



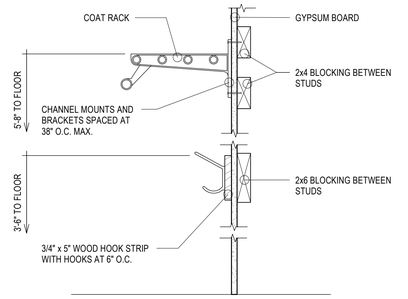
CULTURAL HALL ELEVATION
1/4" = 1'-0"
A A402



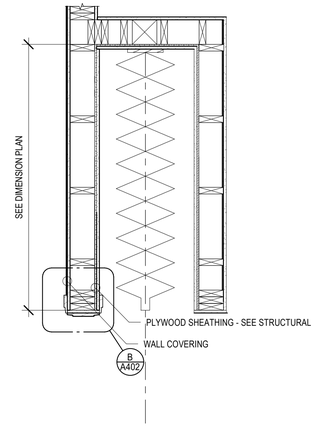
DETAIL
3" = 1'-0"
B A402



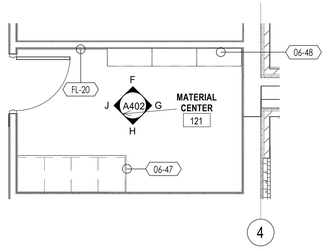
CORNER WALL TILE
3" = 1'-0"
C A402



COAT RACK DETAIL
1 1/2" = 1'-0"
D A402

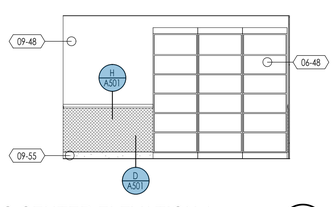


DETAIL
3/4" = 1'-0"
E A402

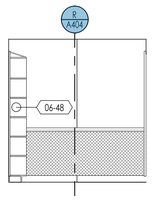


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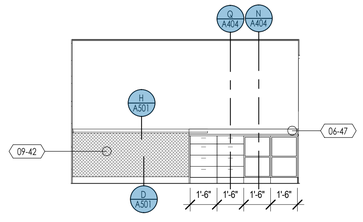
ENLARGED MATERIAL CENTER
1/4" = 1'-0"
2 A402



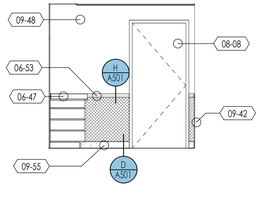
MATERIALS CENTER ELEVATION A
1/4" = 1'-0"
F A402



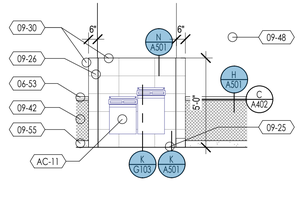
MATERIALS CENTER ELEVATION B
1/4" = 1'-0"
G A402



MATERIALS CENTER ELEVATION C
1/4" = 1'-0"
H A402



MATERIALS CENTER ELEVATION D
1/4" = 1'-0"
J A402



DRINKING FOUNTAIN
1/4" = 1'-0"
K A402

KEYNOTES

XX-XX — KEYNOTE MATERIAL

MATERIAL / SPECIFICATION KEYNOTES

06-47	PLASTIC LAMINATE, SEE DETAILS & SPECIFICATION
06-48	WOOD VENEER FACED ARCHITECTURAL CABINETS, SEE DETAILS & SPECIFICATION
06-53	HARDWOOD TRIM, SEE DETAILS & SPECIFICATION
08-08	INTERIOR SOLID CORE FLUSH WOOD DOORS, FACTORY FINISHED, SEE SCHEDULE & SPECIFICATION
09-25	CERAMIC GLAZED FLOOR TILE, AS SELECTED. SEE SCHEDULE, DETAILS & SPECIFICATION
09-26	CERAMIC GLAZED WALL TILE SEE FINISH SCHEDULE, DETAILS & SPECIFICATION
09-30	TILE METAL EDGE STRIPS SEE DETAILS & SPECIFICATION
09-42	SISAL WALL COVERING AS SELECTED, SEE FINISH SCHEDULE/ SPECIFICATION
09-48	INTERIOR PAINTED GYPSUM BOARD, SEE PAINT SCHEDULE/ SPECIFICATION
09-55	CARPET BASE, SEE FINISH SCHEDULE/ SPECIFICATION

FP-XX — KEYNOTE INSTRUCTION

INSTRUCTIONAL KEYNOTES

AC-11	DRINKING FOUNTAIN, A.N.S.I. A117.1-2017.
FL-20	PROVIDE SOLID BLOCKING IN THE WALLS AT ALL DOOR STOPS, VISUAL DESPLAY BOARDS, TOILET COMPARTMENTS, LAVATORY SUPPORTS, WALL HUNG CABINETS, AND ALL OTHER EQUIPMENT & ACCESSORY LOCAITONS AS PER STRUCT. BLOCKING SCHEDULE

GENERAL NOTES

1. HARDWOOD TRIM DESIGNATIONS (" T# ") REFER TO A/A408.
2. FOLDING PARTITION MUST MEET AT CENTER OF PROSCENIUM OPENING.

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Owner #: 502-2004
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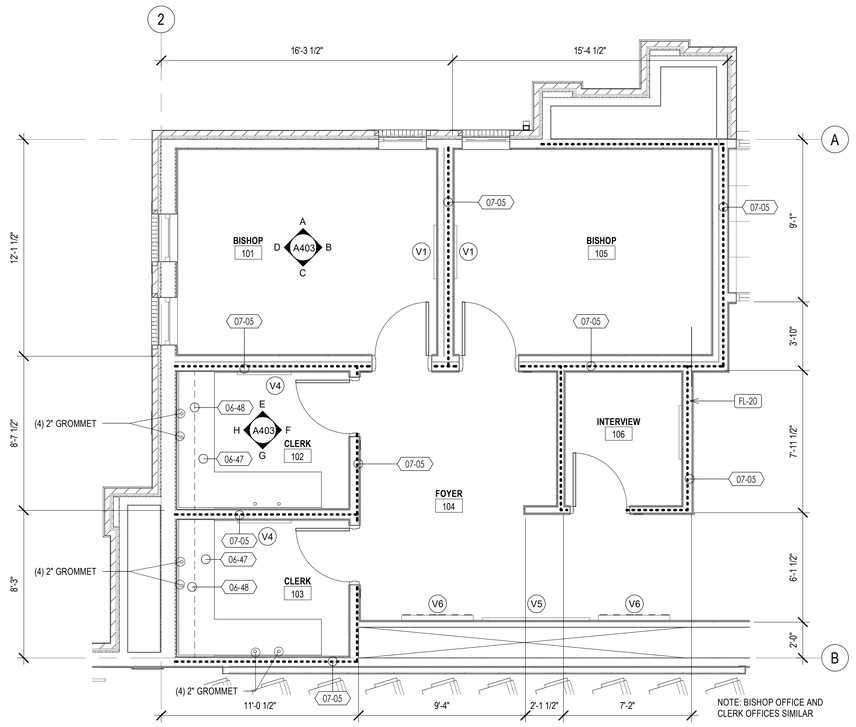
Drawing Issue and Revision Schedule

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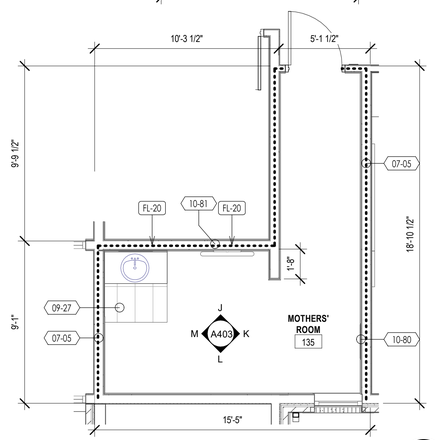
ENLARGED ROOM 153 PLAN AND DETAILS

A402

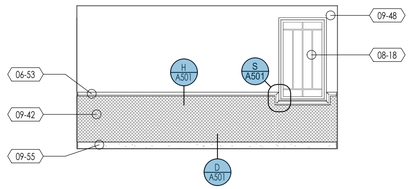
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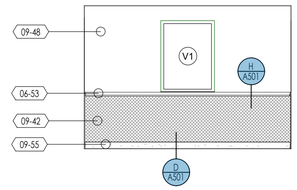
ENLARGED BISHOP AND CLERK ROOMS
1/4" = 1'-0"
1 A403



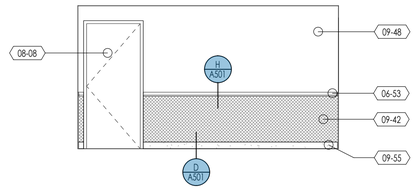
ENLARGED PLAN
1/4" = 1'-0"
2 A403



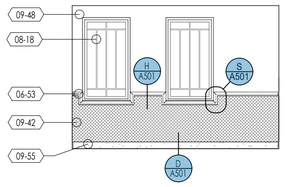
ELEVATION
1/4" = 1'-0"
A A403



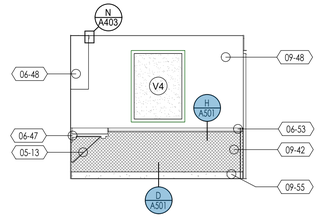
ELEVATION
1/4" = 1'-0"
B A403



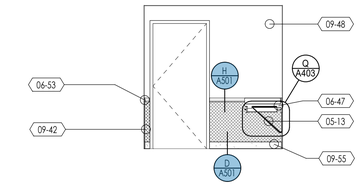
ELEVATION
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C A403



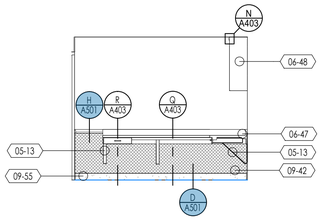
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D A403



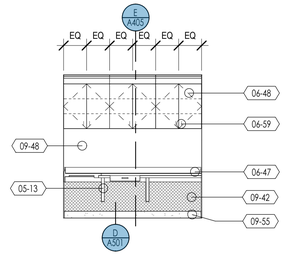
ELEVATION
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E A403



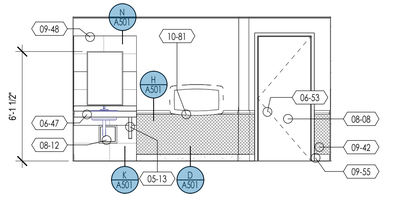
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F A403



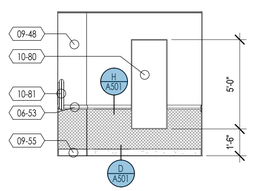
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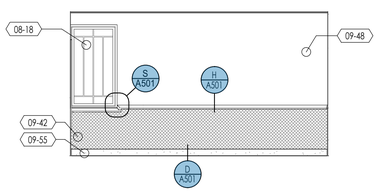
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1/4" = 1'-0"
H A403



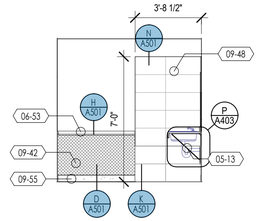
ELEVATION
1/4" = 1'-0"
J A403



ELEVATION
1/4" = 1'-0"
K A403



ELEVATION
1/4" = 1'-0"
L A403



ELEVATION
1/4" = 1'-0"
M A403

KEYNOTES

XX-XX — KEYNOTE MATERIAL

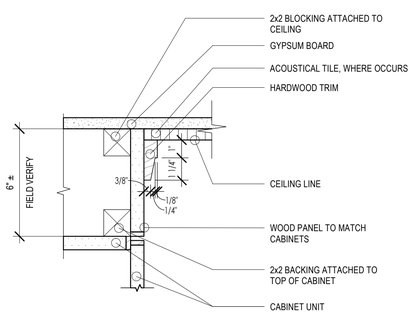
MATERIAL / SPECIFICATION KEYNOTES

05-13	METAL BRACKETS, SEE DETAILS & SPECIFICATIONS
06-47	PLASTIC LAMINATE, SEE DETAILS & SPECIFICATION
06-48	WOOD VENEER FACED ARCHITECTURAL CABINETS, SEE DETAILS & SPECIFICATION
06-53	HARDWOOD TRIM, SEE DETAILS & SPECIFICATION
06-59	CABINET LOCK, SEE SPECIFICATION
07-05	BLANKET SOUND INSULATION
08-08	INTERIOR SOLID CORE FLUSH WOOD DOORS, FACTORY FINISHED, SEE SCHEDULE & SPECIFICATION
08-12	WALL ACCESS DOORS & FRAMES
08-18	VINYL FRAMED FIXED WINDOWS, SEE SCHEDULE, DETAILS & SPECIFICATIONS
09-27	QUARRY FLOOR TILE, AS SELECTED. SEE FINISH SCHEDULE, DETAILS & SPECIFICATION
09-42	SISAL WALL COVERING AS SELECTED, SEE FINISH SCHEDULE/ SPECIFICATION
09-48	INTERIOR PAINTED GYPSUM BOARD, SEE PAINT SCHEDULE/ SPECIFICATION
09-55	CARPET BASE, SEE FINISH SCHEDULE/ SPECIFICATION
10-80	MIRROR WITH METAL FRAME
10-81	BABY CHANGING STATION, SEE SPECIFICATION

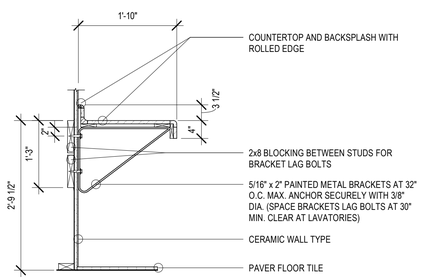
FP-XX — KEYNOTE INSTRUCTION

INSTRUCTIONAL KEYNOTES

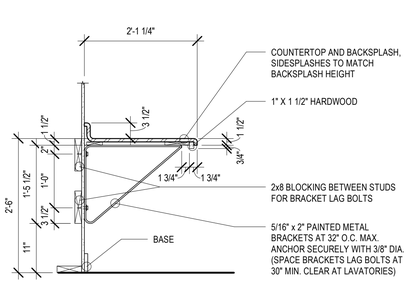
FL-20	PROVIDE SOLID BLOCKING IN THE WALLS AT ALL DOOR STOPS, VISUAL DESPLAY BOARDS, TOILET COMPARTMENTS, LAVATORY SUPPORTS, WALL HUNG CABINETS, AND ALL OTHER EQUIPMENT & ACCESSORY LOCAITONS AS PER STRUCT. BLOCKING SCHEDULE



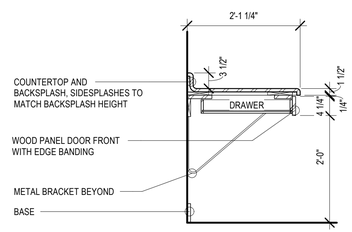
SOFFIT DETAIL
3" = 1'-0"
N A403



SECTION
3/4" = 1'-0"
P A403



SECTION
3/4" = 1'-0"
Q A403



SECTION
3/4" = 1'-0"
R A403

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LICENSED ARCHITECT
Lafe Theodore Harris
6278878-0301
15 AUG 2024
STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake
Approx. 542 South Geneva Road
Vineyard, Utah 84059

Owner #: 502.2004
Plan Series: G300-MH-11
County Parcel: 39-228:0001
BHD #: 2346
Date: 15 Aug 2024

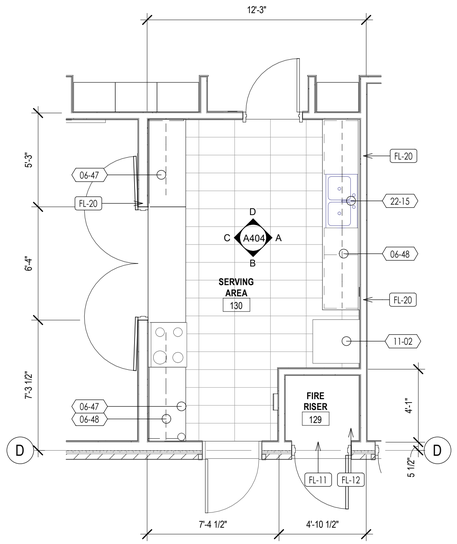
Drawing Issue and Revision Schedule

#	Date	Description

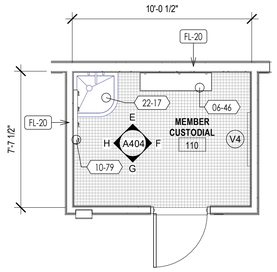
ENLARGED BISHOP, CLERK, AND MOTHER'S ROOM

A403

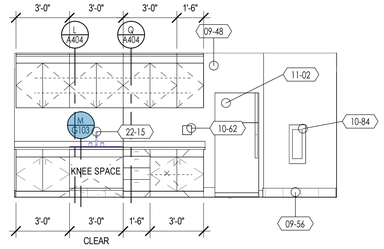
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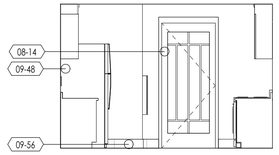
ENLARGED SERVING AREA
1/4" = 1'-0"
1 A404



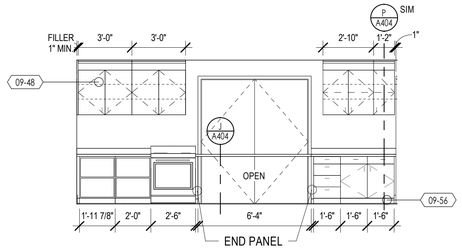
ENLARGED MEMBER CUSTODIAL
1/4" = 1'-0"
2 A404



ELEVATION
1/4" = 1'-0"
A A404

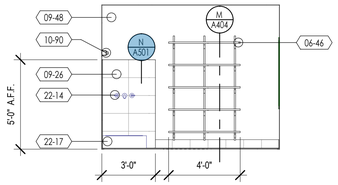


ELEVATION
1/4" = 1'-0"
B A404

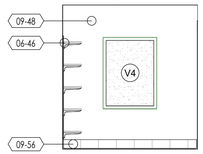


ELEVATION
1/4" = 1'-0"
C A404

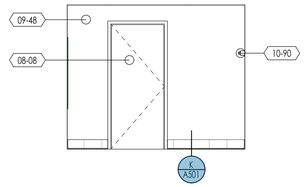
ELEVATION
1/4" = 1'-0"
D A404



ELEVATION
1/4" = 1'-0"
E A404

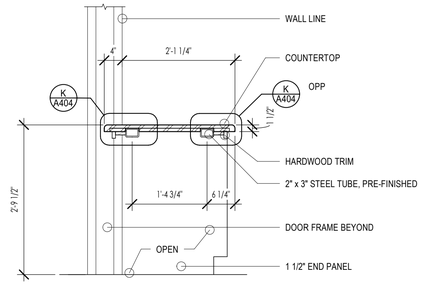


ELEVATION
1/4" = 1'-0"
F A404

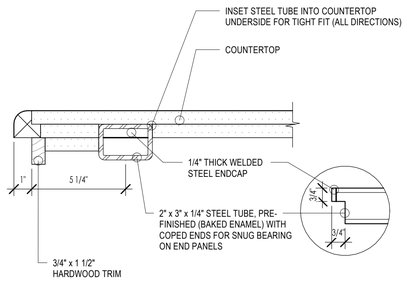


ELEVATION
1/4" = 1'-0"
G A404

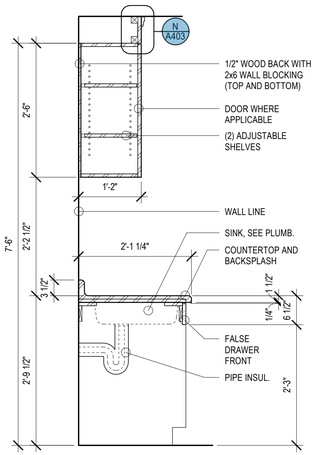
ELEVATION
1/4" = 1'-0"
H A404



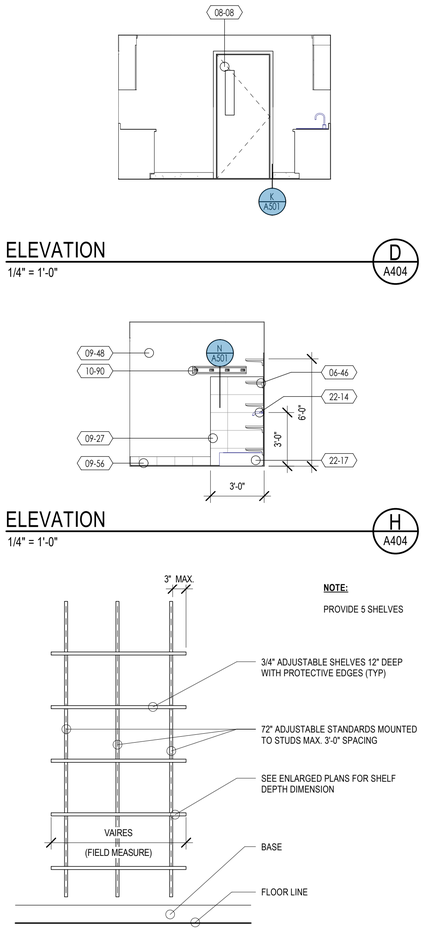
SECTION
3/4" = 1'-0"
J A404



COUNTERTOP SUPPORT
3" = 1'-0"
K A404



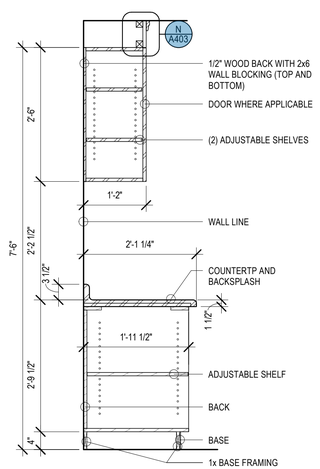
SECTION
3/4" = 1'-0"
L A404



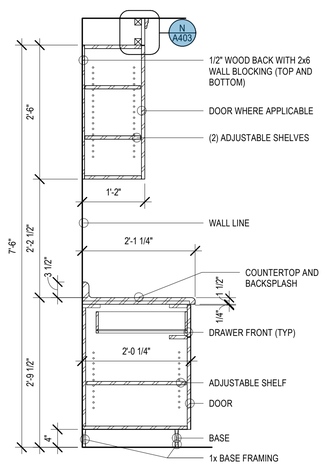
NOTE:

PROVIDE 5 SHELVES

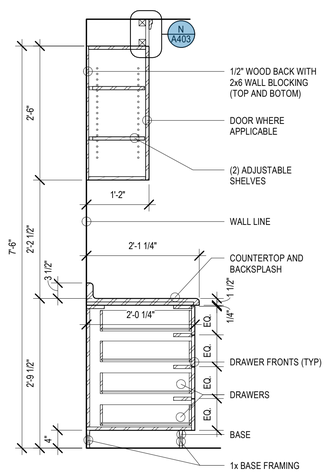
SECTION
3/4" = 1'-0"
M A404



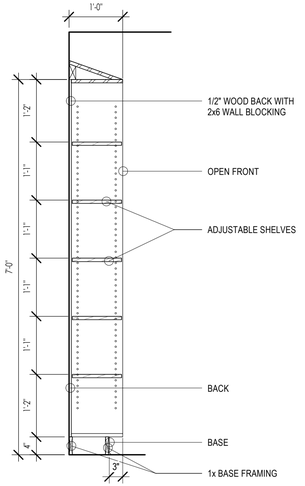
SECTION
3/4" = 1'-0"
N A404



SECTION
3/4" = 1'-0"
P A404



SECTION
3/4" = 1'-0"
Q A404



SECTION
3/4" = 1'-0"
R A404

KEYNOTES

XX-XX — KEYNOTE MATERIAL

MATERIAL / SPECIFICATION KEYNOTES

06-46	SHELVING, SEE DETAILS
06-47	PLASTIC LAMINATE, SEE DETAILS & SPECIFICATION
06-48	WOOD VENEER FACED ARCHITECTURAL CABINETS, SEE DETAILS & SPECIFICATION
08-08	INTERIOR SOLID CORE FLUSH WOOD DOORS, FACTORY FINISHED, SEE SCHEDULE & SPECIFICATION
08-14	EXTERIOR & INTERIOR ALUMINIUM STOREFRONT ENTRANCES, SEE SCHEDULE & SPECIFICATION
09-26	CERAMIC GLAZED WALL TILE SEE FINISH SCHEDULE, DETAILS & SPECIFICATION
09-27	QUARRY FLOOR TILE, AS SELECTED. SEE FINISH SCHEDULE, DETAILS & SPECIFICATION
09-48	INTERIOR PAINTED GYPSUM BOARD, SEE PAINT SCHEDULE/ SPECIFICATION
09-56	COVED TILE BASE, SEE DETAILS & SPECIFICATION
10-62	ROOM SIGNAGE, SEE DETAILS & SPECIFICATION
10-79	UTILITY SHELF
10-84	FIRE PROTECTION CABINET, SEE SPECIFICATION
10-90	UTILITY SHELF/ MOP HOLDER
11-02	REFRIGERATOR/FREEZER AS SELECTED, SEE SPECIFICATION
22-14	COMMERCIAL LAVATORY/SINK FAUCET, SEE PLUMBING DRAWINGS & SPECIFICATION
22-15	COMMERCIAL STAINLESS TWO BASIN KITCHEN SINK, SEE PLUMBING DRAWINGS & SPECIFICATION
22-17	SERVICE SINK, SEE PLUMBING DRAWINGS & SPECIFICATION

FP-XX — KEYNOTE INSTRUCTION

INSTRUCTIONAL KEYNOTES

FL-11	PRV STATION, SEE FIRE SPRINKLER DRAWINGS
FL-12	FIRE RISER, SEE FIRE SPRINKLER DRAWINGS
FL-20	PROVIDE SOLID BLOCKING IN THE WALLS AT ALL DOOR STOPS, VISUAL DESPLAY BOARDS, TOILET COMPARTMENTS, LAVATORY SUPPORTS, WALL HUNG CABINETS, AND ALL OTHER EQUIPMENT & ACCESSORY LOCAITONS AS PER STRUCT. BLOCKING SCHEDULE

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Suite 205 Draper, Utah 84020

LICENSED ARCHITECT
Lafe Theadore Harris
15 Aug 2024
#5-8878-0301
STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 540 South Geneva Road
Vineyard, Utah 84059

BHD #: 2346
County Parcel: 39-228:0001
Plan Series: G300-MH-11
Owner #: 502-2004
Date: 15 Aug 2024

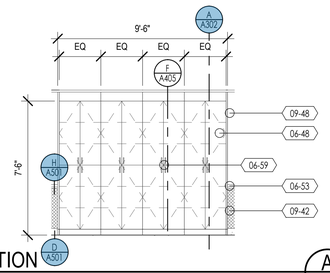
Drawing Issue and Revision Schedule

#	Date	Description

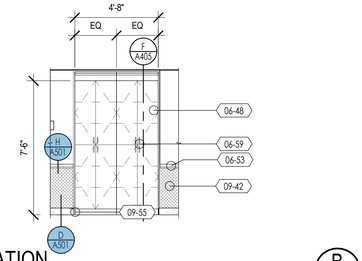
ENLARGED SERVING AREA AND MEMBER CUSTODIAL

A404

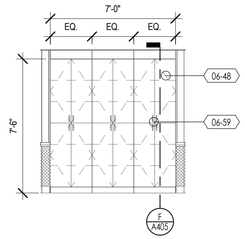
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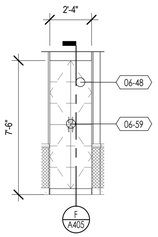
ELEVATION
1/4" = 1'-0"
A405



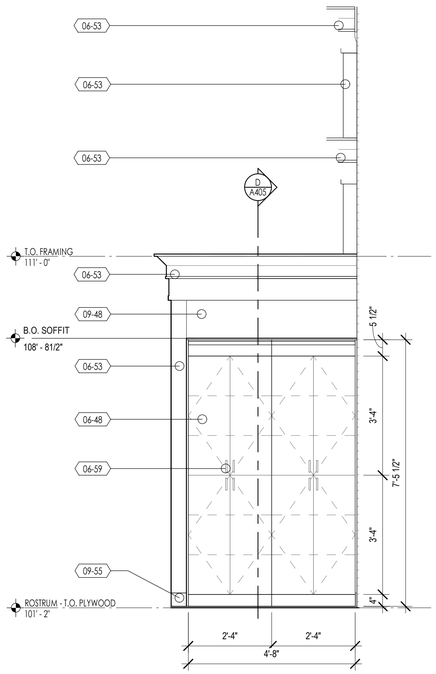
ELEVATION
1/4" = 1'-0"
B
A405



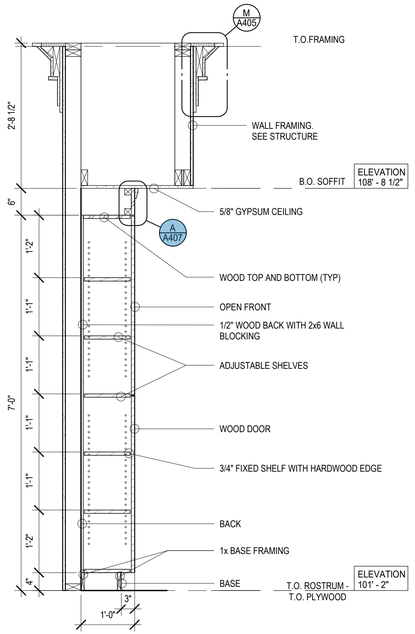
ELEVATION
1/4" = 1'-0"
G
A405



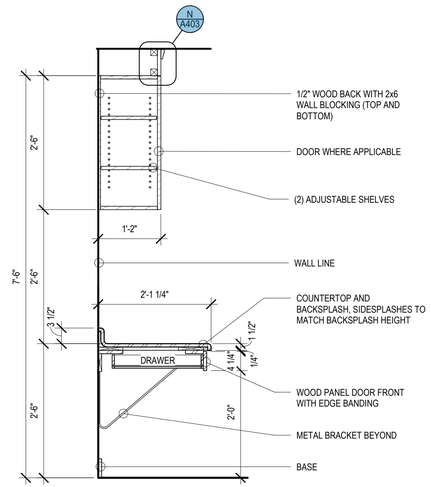
ELEVATION
1/4" = 1'-0"
I
A405



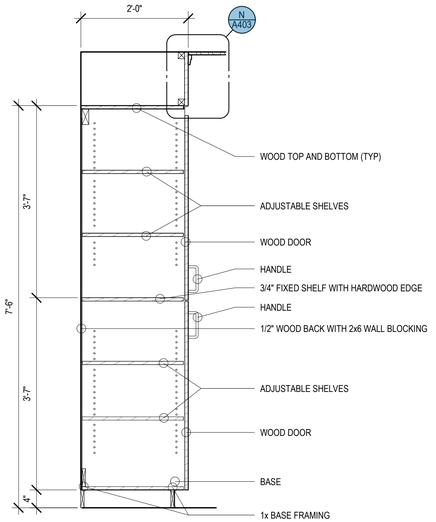
ROSTRUM EAST ELEVATION
1/2" = 1'-0"
C
A405



ROSTRUM CABINET SECTION
3/4" = 1'-0"
D
A405



SECTION
3/4" = 1'-0"
E
A405



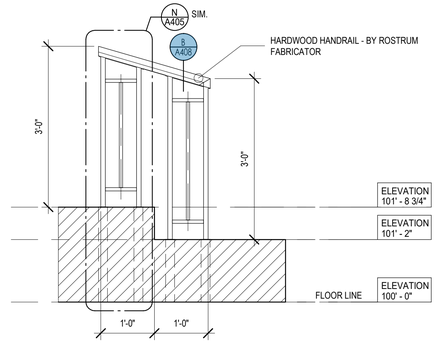
SECTION
3/4" = 1'-0"
F
A405

KEYNOTES

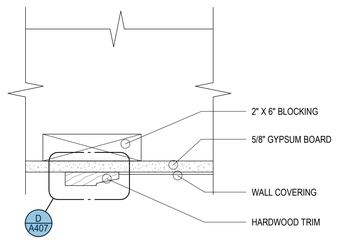
XX-XX — KEYNOTE MATERIAL

MATERIAL / SPECIFICATION KEYNOTES

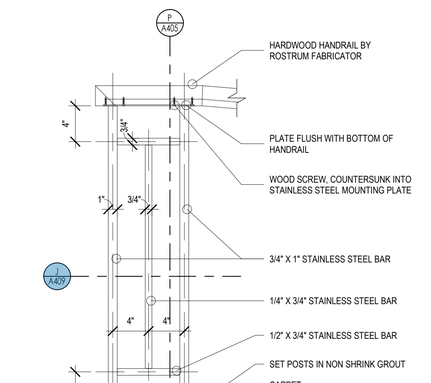
06-48	WOOD VENEER FACED ARCHITECTURAL CABINETS, SEE DETAILS & SPECIFICATION
06-53	HARDWOOD TRIM, SEE DETAILS & SPECIFICATION
06-59	CABINET LOCK, SEE SPECIFICATION
09-42	SISAL WALL COVERING AS SELECTED, SEE FINISH SCHEDULE/ SPECIFICATION
09-48	INTERIOR PAINTED GYPSUM BOARD, SEE PAINT SCHEDULE/ SPECIFICATION
09-55	CARPET BASE, SEE FINISH SCHEDULE/ SPECIFICATION



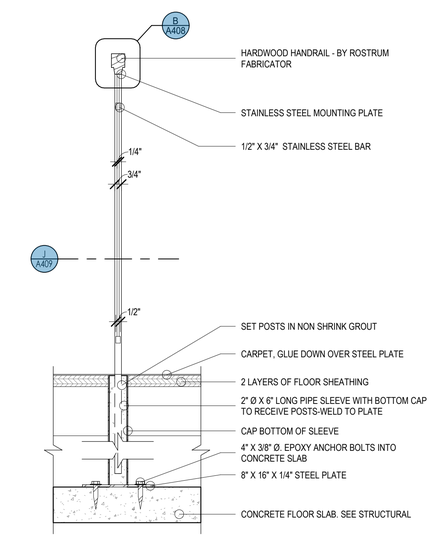
ROSTRUM RISER HANDRAIL ELEVATION
3/4" = 1'-0"
H
A405



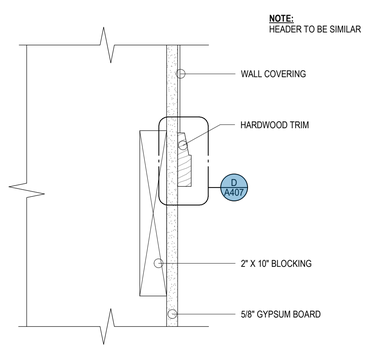
WOOD TRIM - SIDE
3" = 1'-0"
J
A405



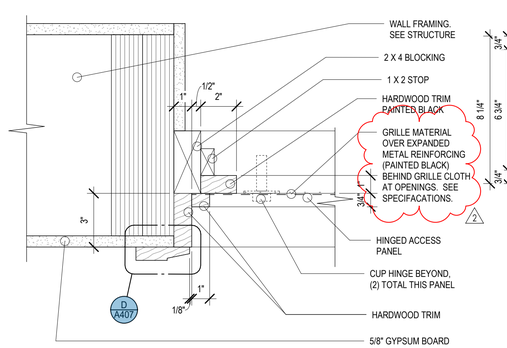
ROSTRUM HANDRAIL DETAIL
1 1/2" = 1'-0"
N
A405



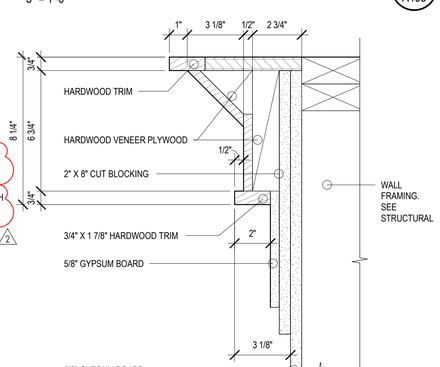
ROSTRUM HANDRAIL DETAIL
1 1/2" = 1'-0"
P
A405



WOOD TRIM SILL
3" = 1'-0"
K
A405



PANEL SIDE
3" = 1'-0"
L
A405



WOOD TRIM
3" = 1'-0"
M
A405

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LICENSED ARCHITECT
Lafe Theodore Harris
6879-0301
29 Sep 2022
STATE OF UTAH

THE CHURCH OF
JESUS CHRIST
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Springwater 9
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Approx. 540 South Geneva Road
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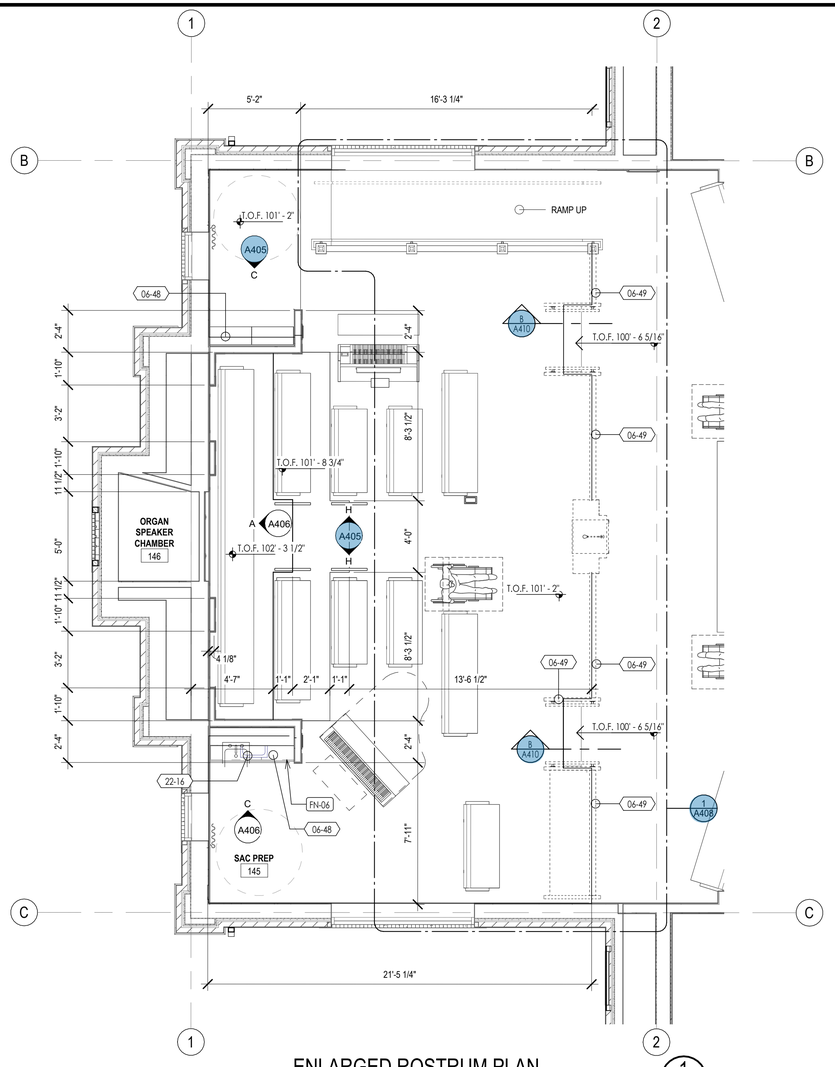
Drawing Issue and Revision Schedule

#	Date	Description
2	27 Aug 2024	Addendum #1
1	15 Aug 2024	Bid Documents

INTERIOR ELEVATIONS AND DETAILS

A405

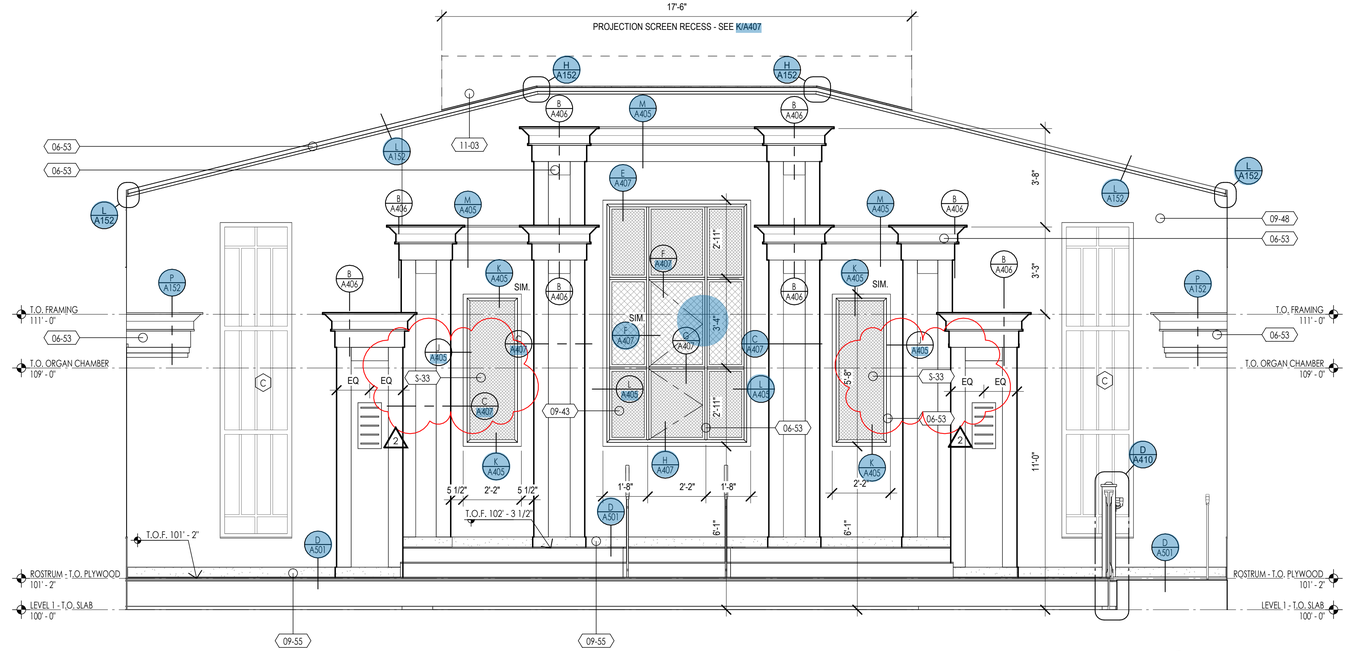
8/29/2024 5:13:21 PM



ENLARGED ROSTRUM PLAN

1/4" = 1'-0"

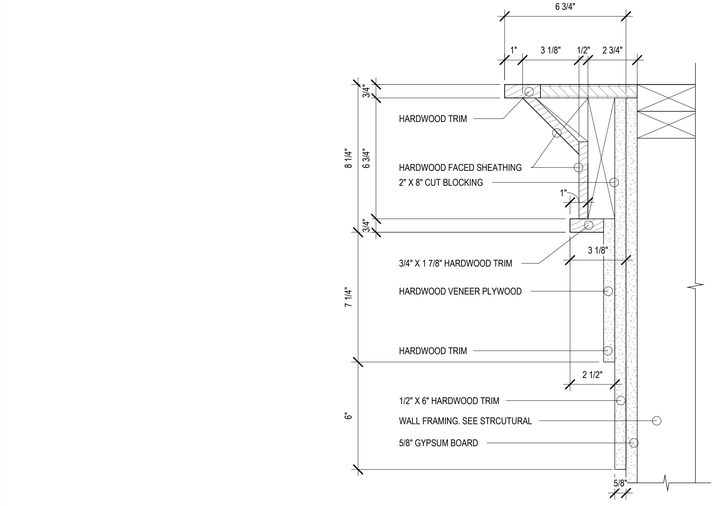
1 A406



ROSTRUM ELEVATION

3/8" = 1'-0"

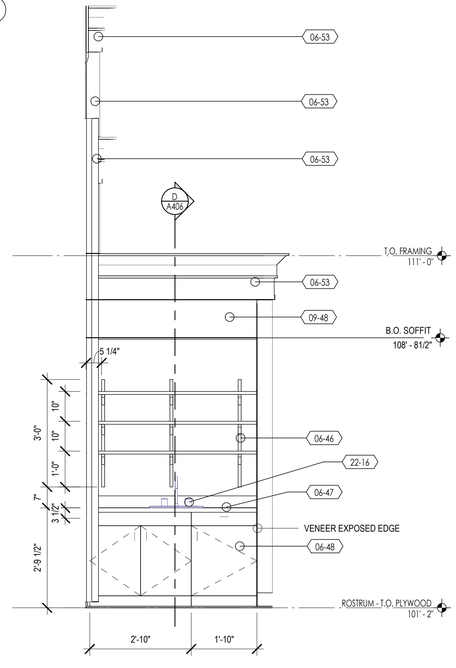
A A406



WOOD TRIM

3" = 1'-0"

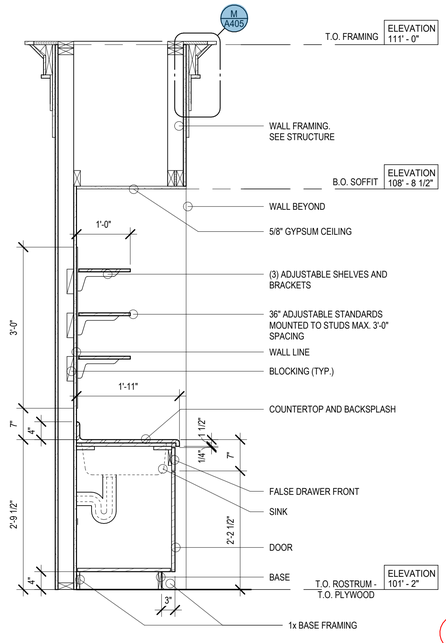
B A406



SAC. PREP. ELEVATION

1/2" = 1'-0"

C A406



SAC. PREP. CABINET SECTION

3/4" = 1'-0"

D A406

GENERAL NOTES

1. AT ORGAN SPEAKER CHAMBER, ALL WALLS TO BE COVERED WITH 5/8" GYPSUM BOARD. GYPSUM BOARD TO BE GLUED AND SCREW IN PLACE.
2. ALL EXPOSED GYPSUM BOARD AND WOOD SURFACES TO BE PAINTED BLACK IN ORGAN SPEAKER CHAMBER

KEYNOTES

XX-XX — KEYNOTE MATERIAL

MATERIAL / SPECIFICATION KEYNOTES

06-46	SHELVING, SEE DETAILS
06-47	PLASTIC LAMINATE, SEE DETAILS & SPECIFICATION
06-48	WOOD VENEER FACED ARCHITECTURAL CABINETS, SEE DETAILS & SPECIFICATION
06-49	ROSTRUM CASEWORK, SEE DETAILS & SPECIFICATION
06-53	HARDWOOD TRIM, SEE DETAILS & SPECIFICATION
09-43	ACOUSTIC WALL COVERING & GRILLS AS SELECTED, SEE FINISH SCHEDULE/ SPECIFICATION
09-48	INTERIOR PAINTED GYPSUM BOARD, SEE PAINT SCHEDULE/ SPECIFICATION
09-55	CARPET BASE, SEE FINISH SCHEDULE/ SPECIFICATION
11-03	ELECTRICALLY OPERATED PROJECTION SCREEN, SEE DETAILS & SPECIFICATION
22-16	COMMERCIAL STAINLESS SINGLE BASIN SINK, SEE PLUMBING DRAWINGS & SPECIFICATION

FP-XX — KEYNOTE INSTRUCTION

INSTRUCTIONAL KEYNOTES

FN-06	COUNTERTOP, SEE DETAILS, INTERIOR ELEVATIONS, & FINISH SCHEDULE
S-33	INSTALL ORGAN SPEAKER GRILLE CLOTH IN THIS AREA OVER PAINTED GYPSUM BOARD. PAINT THE GYPSUM BOARD BEHIND THE ORGAN SPEAKER GRILLE CLOTH MATTE BLACK TO MATCH THE ORGAN SPEAKER CHAMBER.

2

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Suite 205 Draper, Utah 84020

LICENSED ARCHITECT — Lafe Theodore Harris — 27 Aug 2024 — 6278598-0301 — STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

785 East 575 South
Vineyard, Utah 84059

Date: 15 Aug 2024
BHD #: 2346
County Parcel: 39:228:0001
Plan Series: C300-MH-11
Owner #: 502-2004

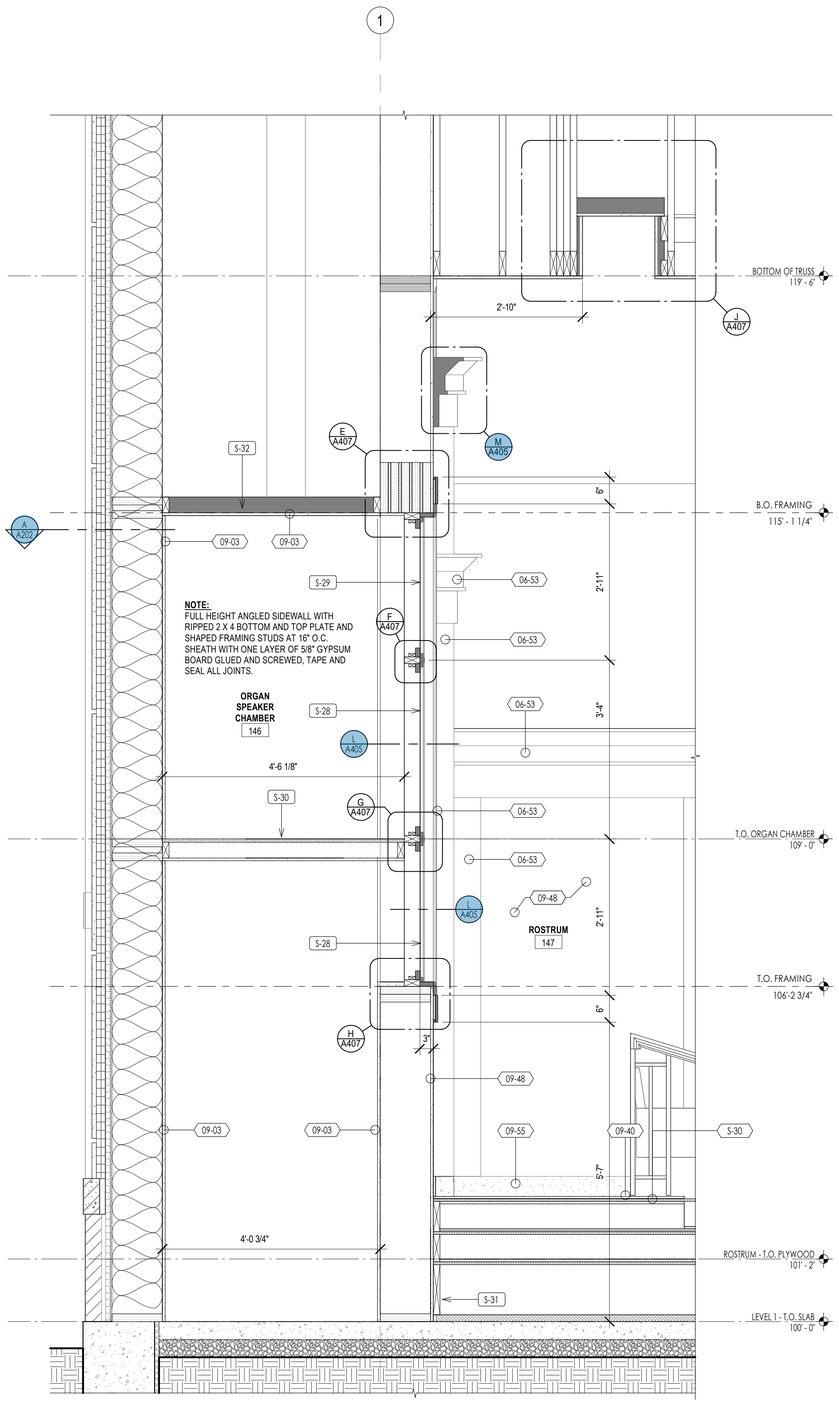
Drawing Issue and Revision Schedule

#	Date	Description
2	27 Aug 2024	Addendum #1
1	15 Aug 2024	Bid Documents

ENLARGED ROSTRUM PLAN AND ELEVATIONS

A406

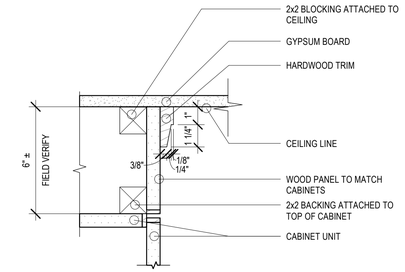
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ORGAN SPEAKER CHAMBER

3/4" = 1'-0"

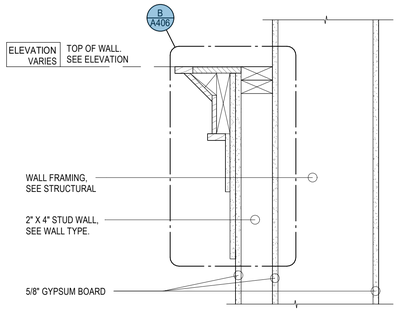
K A407



CABINET TRIM

3" = 1'-0"

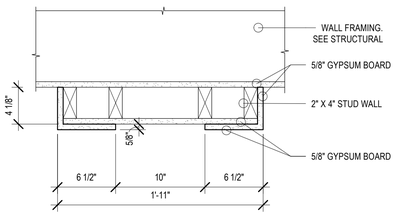
A A407



TRIM DETAIL

1 1/2" = 1'-0"

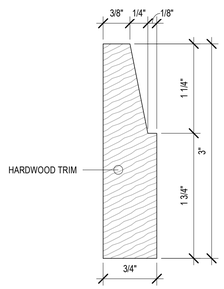
B A407



ROSTRUM WALL SECTION

1 1/2" = 1'-0"

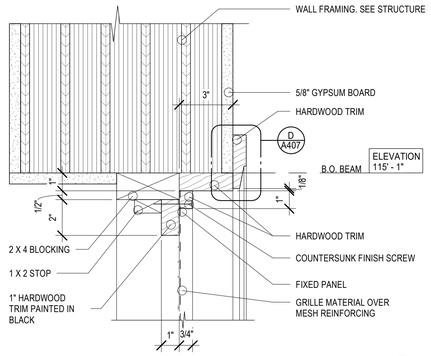
C A407



WOOD TRIM

12" = 1'-0"

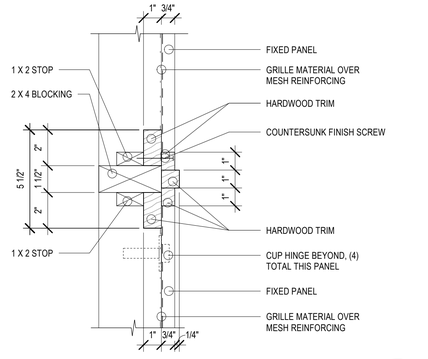
D A407



PANEL HEAD

3" = 1'-0"

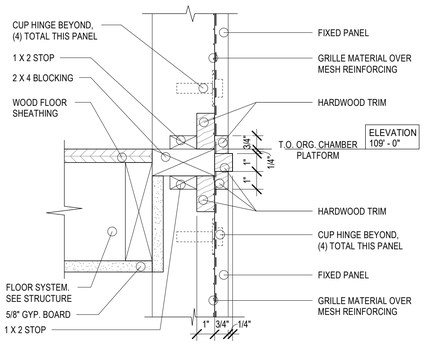
E A407



ACCESS PANEL

3" = 1'-0"

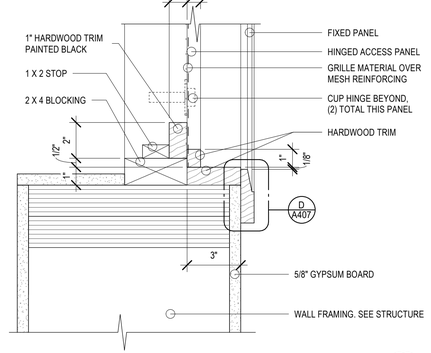
F A407



ACCESS PANELS

3" = 1'-0"

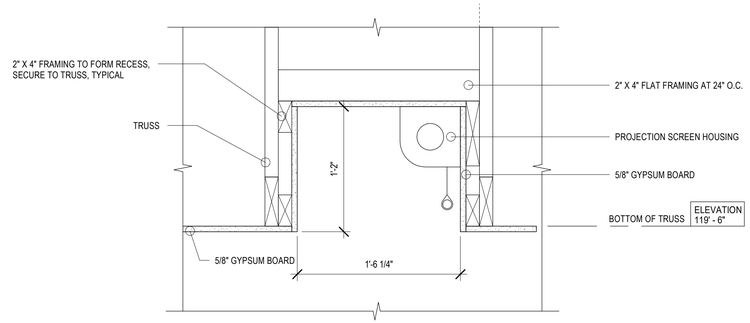
G A407



PANEL SILL

3" = 1'-0"

H A407



PROJECTION SCREEN RESCESS

1 1/2" = 1'-0"

J A407

GENERAL NOTES

1. AT ORGAN SPEAKER CHAMBER, ALL WALLS TO BE COVERED WITH 5/8" GYPSUM BOARD. GYPSUM BOARD TO BE GLUED AND SCREW IN PLACE.
2. ALL EXPOSED GYPSUM BOARD AND WOOD SURFACES TO BE PAINTED BLACK IN ORGAN SPEAKER CHAMBER

KEYNOTES

XX-XX — KEYNOTE MATERIAL

MATERIAL / SPECIFICATION KEYNOTES

06-53	HARDWOOD TRIM, SEE DETAILS & SPECIFICATION
09-03	5/8" GYPSUM BOARD, DETAILS & SPECIFICATION
09-40	SHEET CARPET AS SELECTED, SEE FINISH SCHEDULE/ SPECIFICATION
09-48	INTERIOR PAINTED GYPSUM BOARD, SEE PAINT SCHEDULE/ SPECIFICATION
09-55	CARPET BASE, SEE FINISH SCHEDULE/ SPECIFICATION

FP-XX — KEYNOTE INSTRUCTION

INSTRUCTIONAL KEYNOTES

S-28	HINGED ACCESS PANEL
S-29	FIXED PANEL
S-30	WOOD FLOOR SHEATHING, GLUE AND SCREW IN PLACE OVER 2X4 FLOOR JOIST AT 16" O.C.
S-31	ROSTRUM FLOOR FRAMING, SEE STRUCTURAL
S-32	2X4 STUD AT 24" O.C. WITH 1 LAYER OF 5/8" GYPSUM BOARD, GLUE AND SCREW IN PLACE

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LICENSED ARCHITECT
Lafe Theadore Harris
15 AUG 2024
6278-0301
STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake
Approx. 542 South Geneva Road
Vineyard, Utah 84059

Owner #: 502-2004
Plan Series: G300-MH-11
County Parcel: 39-228-0001
BHD #: 2346
Date: 15 Aug 2024

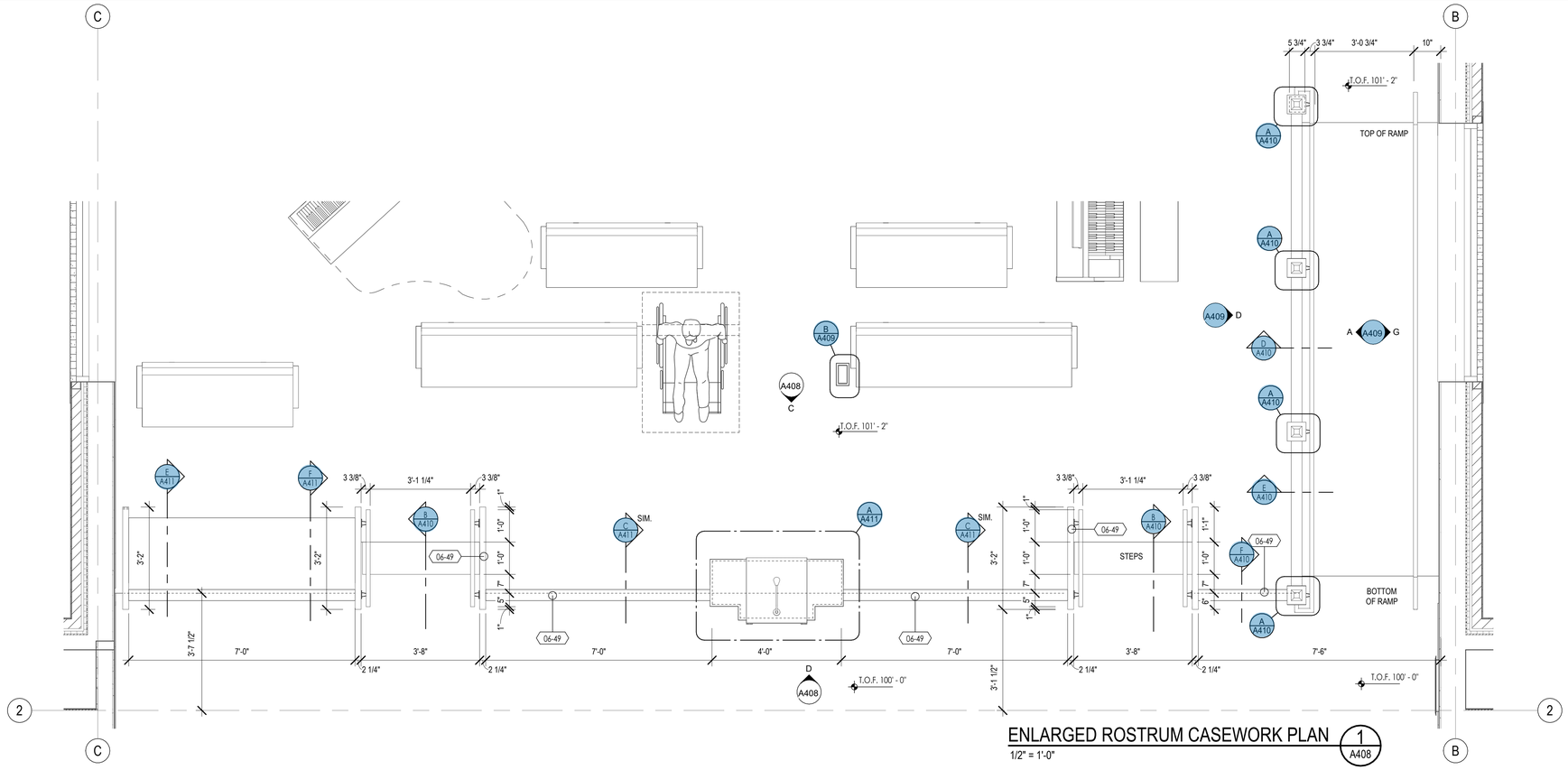
Drawing Issue and Revision Schedule

#	Date	Description

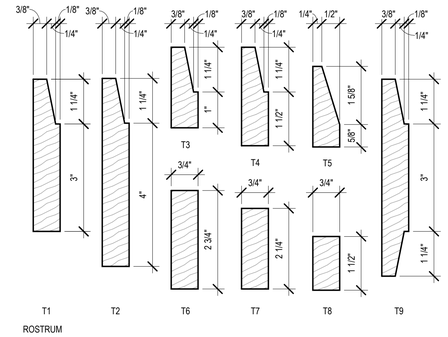
ROSTRUM FRONT WALL ELEVATION DETAILS

A407

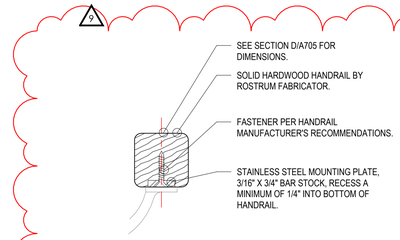
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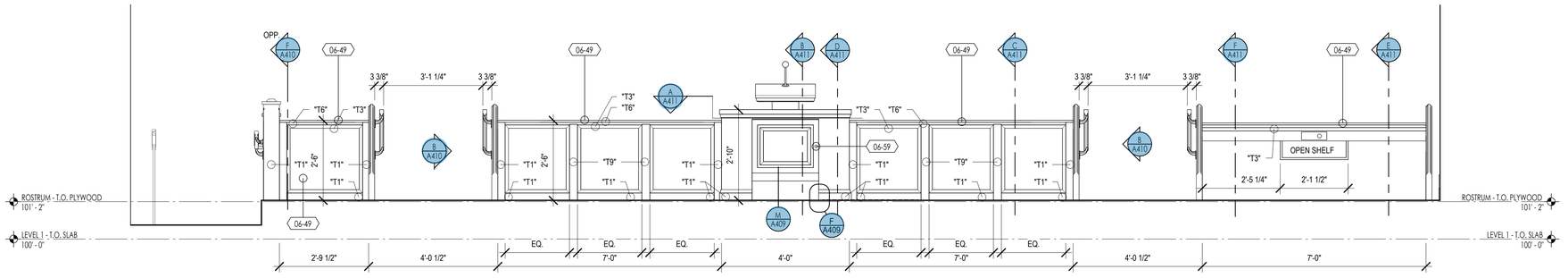
ENLARGED ROSTRUM CASEWORK PLAN
1/2" = 1'-0"
1 A408



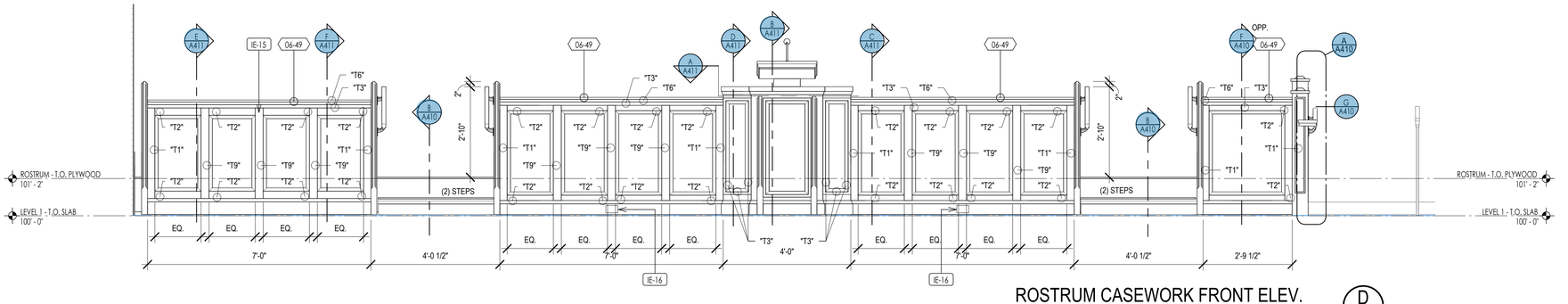
MILLWORK HARDWOOD TRIM
6" = 1'-0"
A A408



TYPICAL HANDRAIL PROFILE DETAIL
6" = 1'-0"
B A408



ROSTRUM CASEWORK REAR ELEV.
1/2" = 1'-0"
C A408



ROSTRUM CASEWORK FRONT ELEV.
1/2" = 1'-0"
D A408

GENERAL NOTES

1. HARDWOOD TRIM DESIGNATIONS (" T# ") REFER TO A/A408.
2. VERIFY MANUFACTURER'S REQUIREMENTS FOR INSTALLATION OF ADJUSTABLE PULPIT MECHANISM (HEIGHT OF SHELF)

KEYNOTES

XX-XX — KEYNOTE MATERIAL

MATERIAL / SPECIFICATION KEYNOTES

06-49	ROSTRUM CASEWORK, SEE DETAILS & SPECIFICATION
06-59	CABINET LOCK, SEE SPECIFICATION

FP-XX — KEYNOTE INSTRUCTION

INSTRUCTIONAL KEYNOTES

IE-15	MICROPHONE BY SOUND INSTALLER
IE-16	ROSTRUM - MICROPHONE OUTLET

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LICENSED ARCHITECT — Lafe Theodore Harris — 6923678-0301 — STATE OF UTAH — Dec 2025

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake
785 East 575 South
Vineyard, Utah 84059

Plan Series: G300-MH-11
Owner #: 502-2004
County Parcel: 39-228-0001
BHD #: 2346
Date: 15 Aug 2024

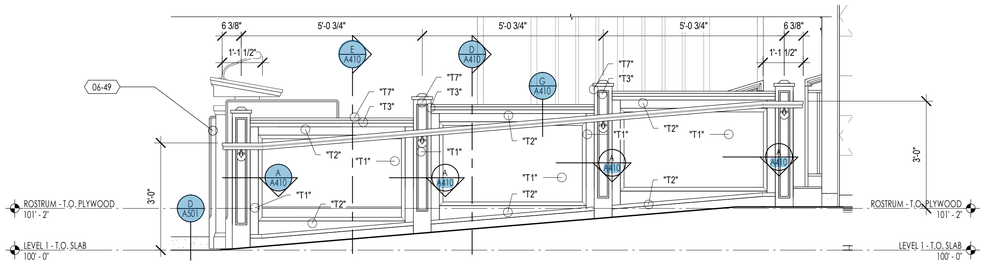
Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

ROSTRUM CASEWORK ELEVATIONS

A408

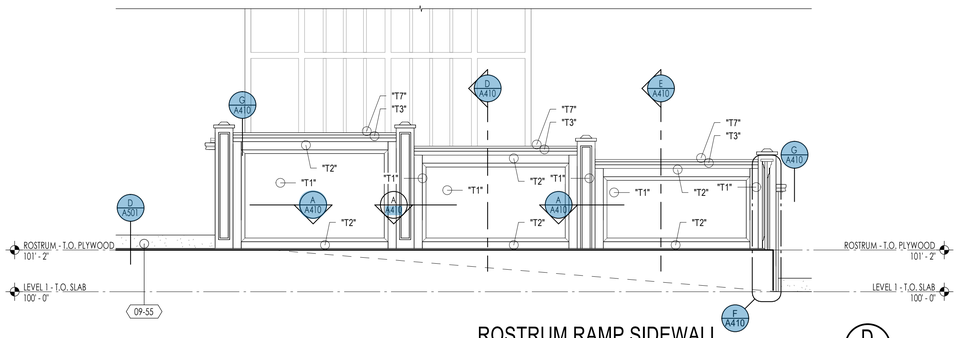
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LOWER RAMP SIDEWALL

1/2" = 1'-0"

A409



ROSTRUM RAMP SIDEWALL

1/2" = 1'-0"

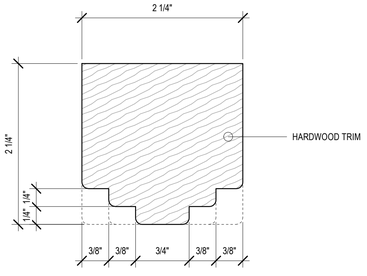
D A409

UPPER RAMP SIDEWALL

1/2" = 1'-0"

G A409

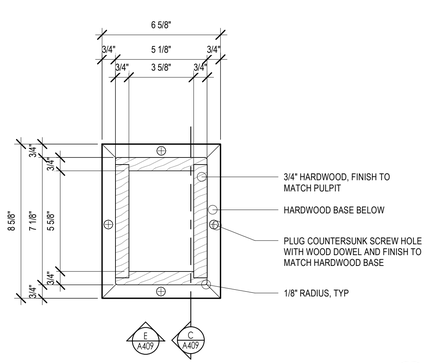
NOTE:
ROUNDED CORNERS TO BE 3/32" RADIUS



PULPIT TRIM

12" = 1'-0"

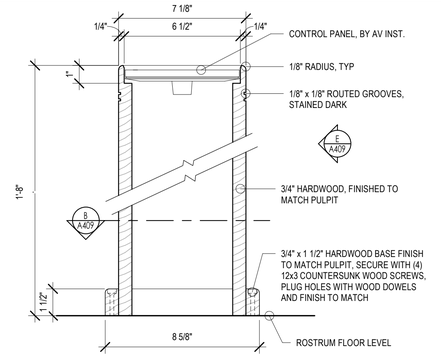
H A409



CONTROL PEDESTAL

3" = 1'-0"

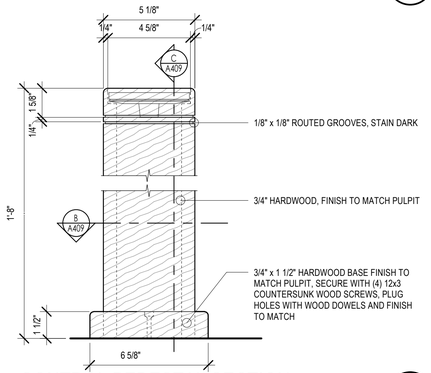
B A409



CONTROL PEDESTAL SECTION

3" = 1'-0"

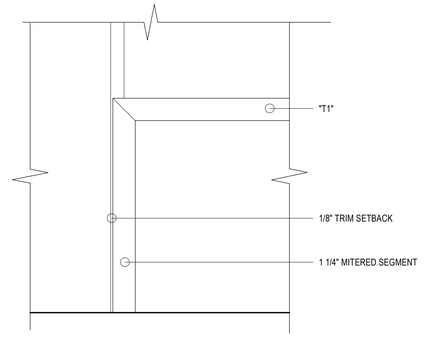
C A409



CONTROL PEDESTAL SECTION

3" = 1'-0"

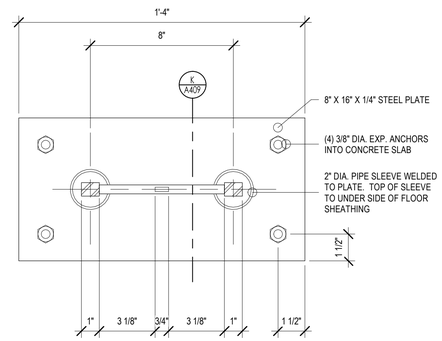
E A409



PULPIT CORNER TRIM

3" = 1'-0"

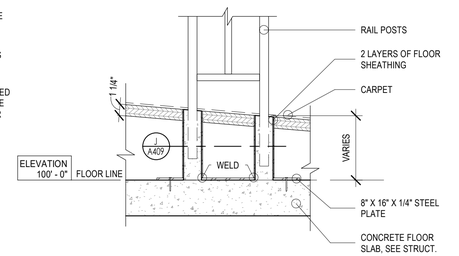
F A409



ROSTRUM HANDRAIL BASE DETAIL

3" = 1'-0"

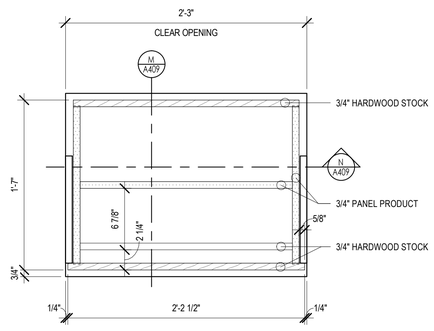
J A409



ROSTRUM HANDRAIL BASE DETAIL

1 1/2" = 1'-0"

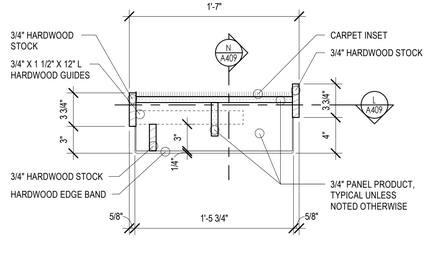
K A409



PULL-OUT STEP

1 1/2" = 1'-0"

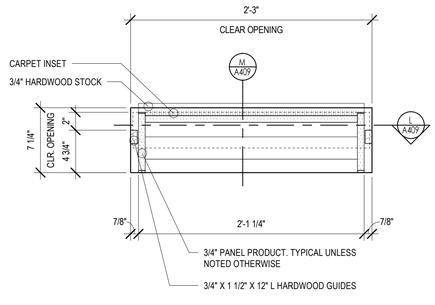
L A409



PULL-OUT STEP

1 1/2" = 1'-0"

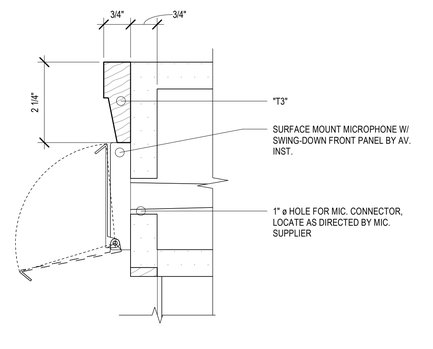
M A409



PULL OUT SETP

1 1/2" = 1'-0"

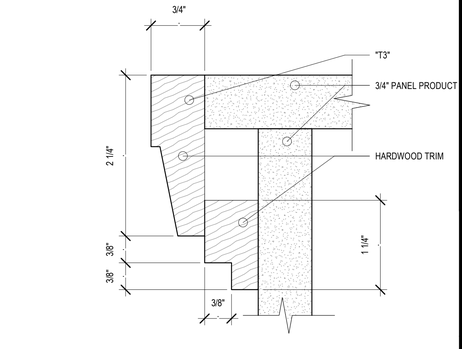
N A409



SACRAMENT TRIM

6" = 1'-0"

P A409



LECTERN EDGE

3" = 1'-0"

Q A409

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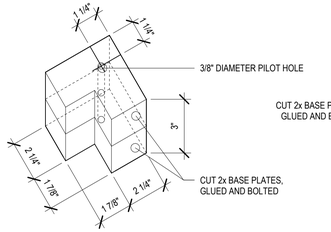
ROSTRUM CASEWORK ELEVATIONS AND DETAILS

A409

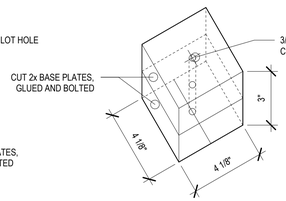
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GENERAL NOTES

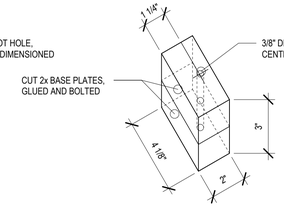
1. HARDWOOD TRIM DESIGNATIONS (" T# ") REFER TO A/A408.
2. VERIFY MANUFACTURER'S REQUIREMENTS FOR INSTALLATION OF ADJUSTABLE PULPIT MECHANISM (HEIGHT OF SHELF)



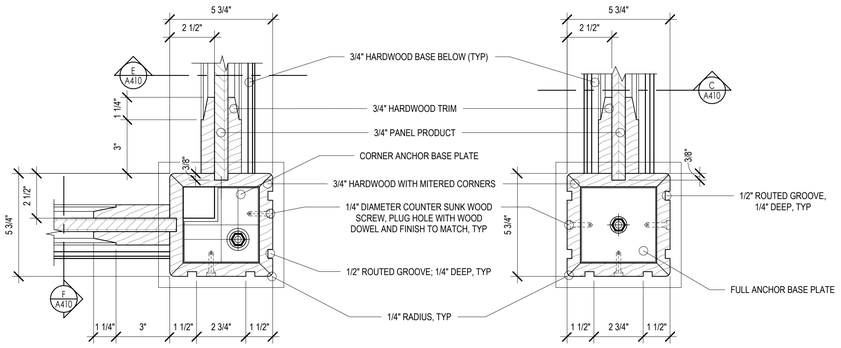
CORNER ANCHOR BASE PLATE



FULL ANCHOR BASE PLATE

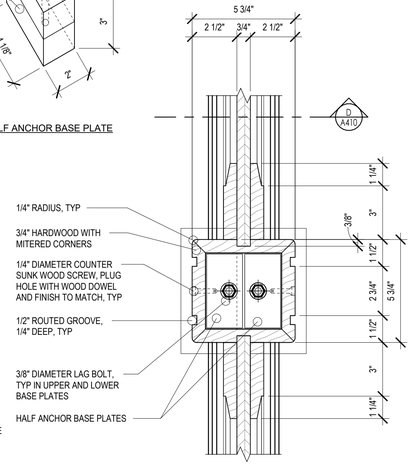


HALF ANCHOR BASE PLATE



CORNER NEWEL POST

END NEWEL POST



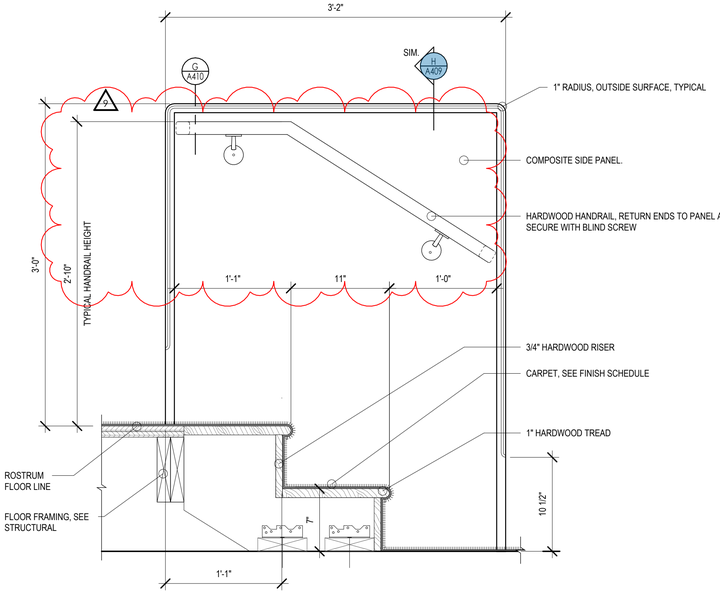
INTERMEDIATE NEWEL POST

NOTE:
FLOOR ANCHORAGE TO BE 3/8" DIAMETER x 6" EXPANSION BOLT (INTO CONCRETE) OR 3/8" DIAMETER x 4" LAG BOLT (INTO WOOD)

NEWEL POST TYPES

3" = 1'-0"

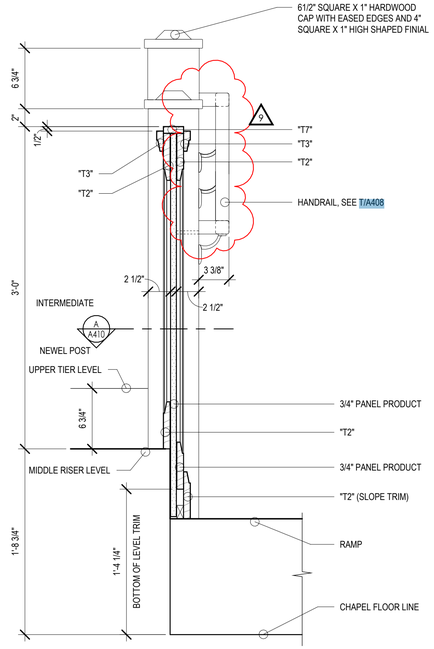
A A410



ROSTRUM STEPS SIDE PANEL

1 1/2" = 1'-0"

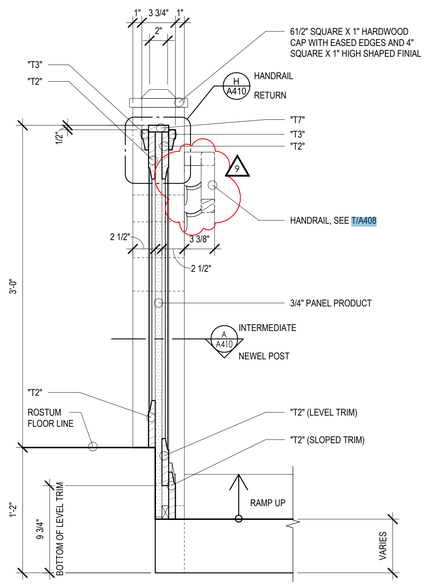
B A410



RAMP SIDEWALL

1 1/2" = 1'-0"

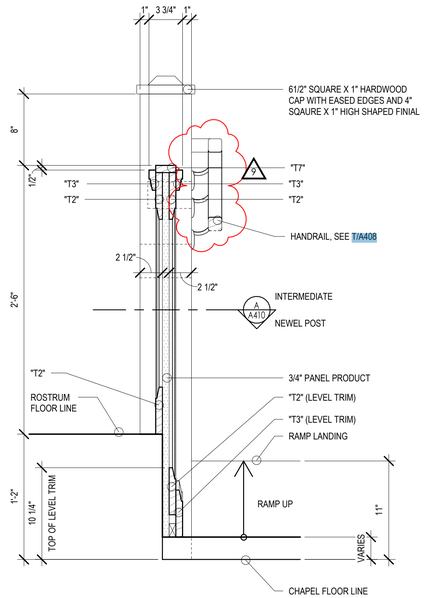
C A410



RAMP SIDEWALL

1 1/2" = 1'-0"

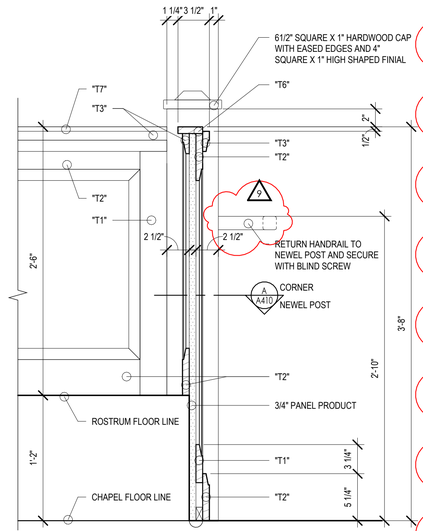
D A410



RAMP SIDEWALL

1 1/2" = 1'-0"

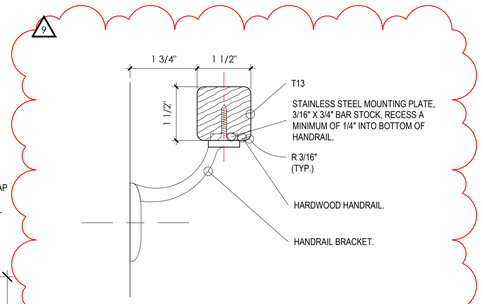
E A410



FRONT MODESTY WALL

1 1/2" = 1'-0"

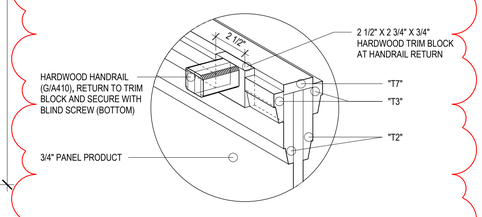
F A410



HANDRAIL SECTION

6" = 1'-0"

G A410



HANDRAIL RETURN

1 1/2" = 1'-0"

H A410

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Suite 205 Draper, Utah 84020

LICENSED ARCHITECT Lyle Theodore Harris 6879-0301 STATE OF UTAH Dec 2025

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

785 East 575 South
Vineyard, Utah 84059

Owner #:	502-2004
Plan Series:	C300-MH-11
County Parcel:	39:228:0001
BHD #:	2346
Date:	15 Aug 2024

Drawing Issue and Revision Schedule

#	Date	Description
9	22 Dec 2025	ASI #2
1	15 Aug 2024	Bid Documents

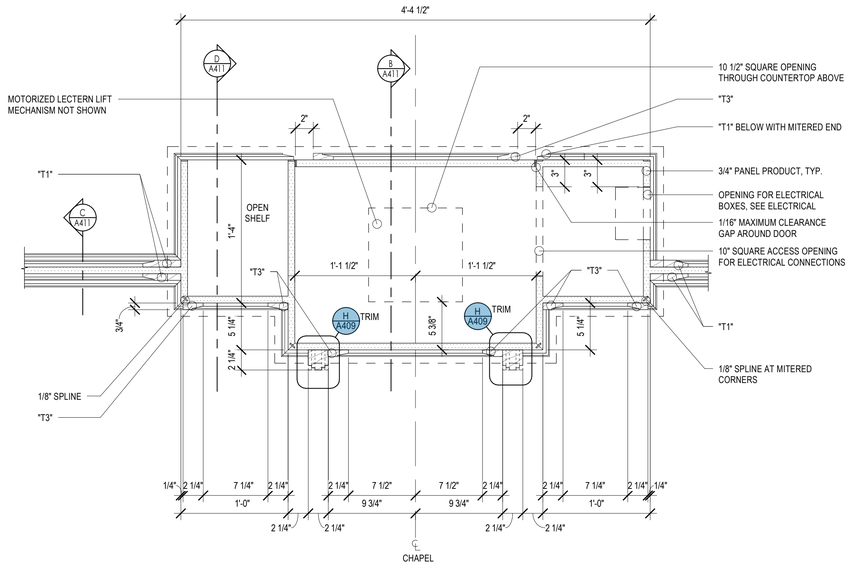
ROSTRUM CASEWORK DETAILS

A410

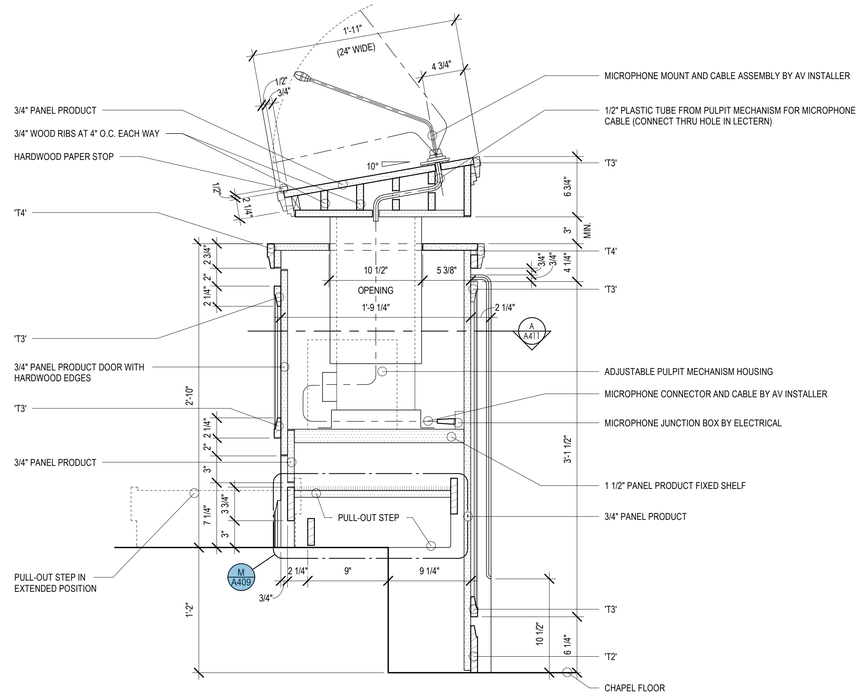
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GENERAL NOTES

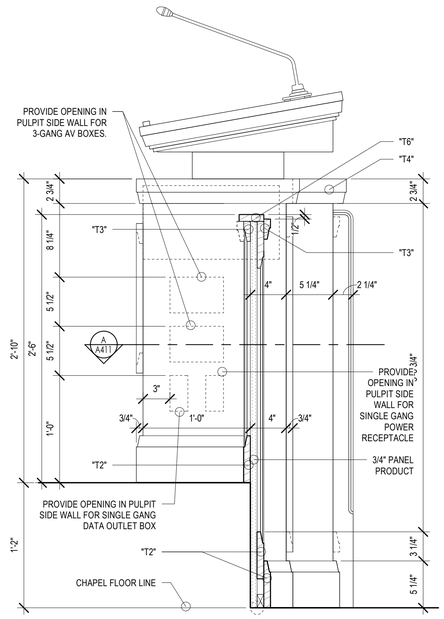
1. HARDWOOD TRIM DESIGNATIONS (* T# *) REFER TO A/A408
2. VERIFY MANUFACTURER'S REQUIREMENTS FOR INSTALLATION OF ADJUSTABLE PULPIT MECHANISM (HEIGHT OF SHELF)



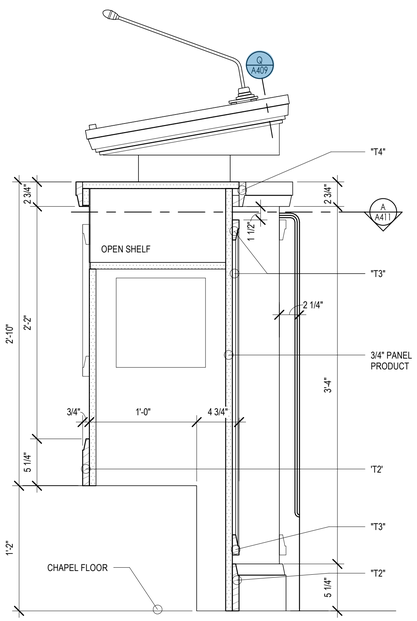
PULPIT AND MODESTY RAIL WALL
1 1/2" = 1'-0"
A A411



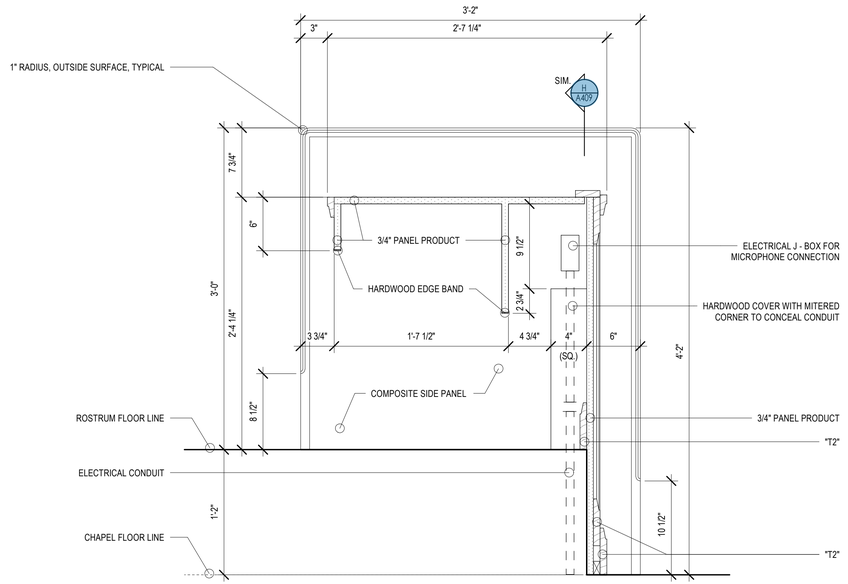
PULPIT
1 1/2" = 1'-0"
B A411



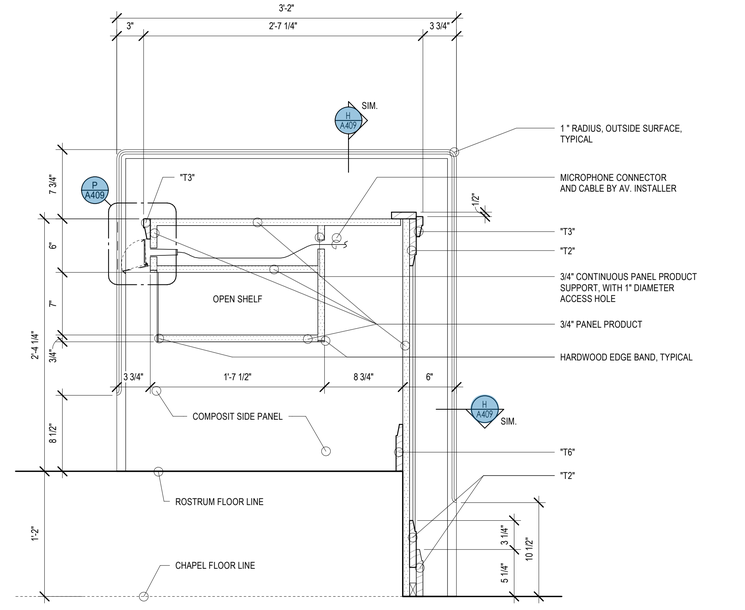
MODESTY WALL
1 1/2" = 1'-0"
C A411



PULPIT
1 1/2" = 1'-0"
D A411



SACRAMENT TABLE
1 1/2" = 1'-0"
E A411



SACRAMENT TABLE
1 1/2" = 1'-0"
F A411

8/15/2024 1:07:06 PM

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LICENSED ARCHITECT
Lafe Theodore Harris
15 Aug 2024
#5578878-0301
STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

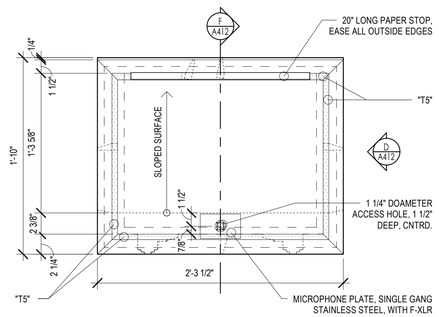
BHD #: 2346
County Parcel: 39-228:0001
Plan Series: G300-MH-11
Owner #: 502-2004
Date: 15 Aug 2024

Drawing Issue and Revision Schedule

#	Date	Description

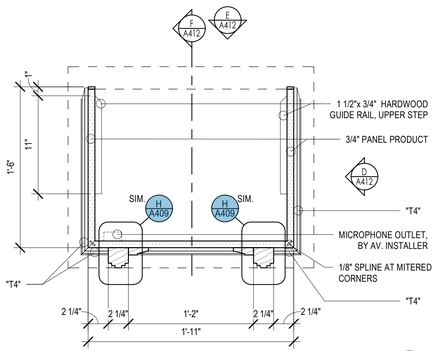
ROSTRUM CASEWORK DETAILS

A411



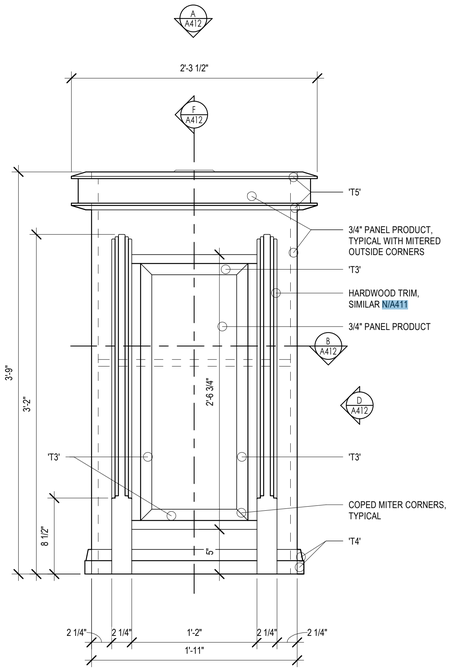
LECTERN TOP
1 1/2" = 1'-0"

A412



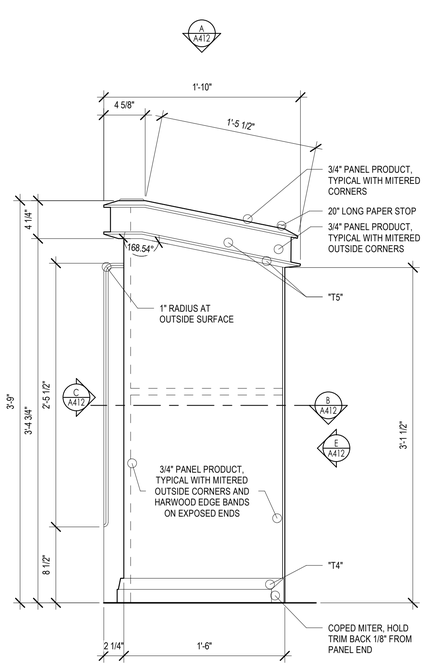
LECTERN PLAN
1 1/2" = 1'-0"

B A412



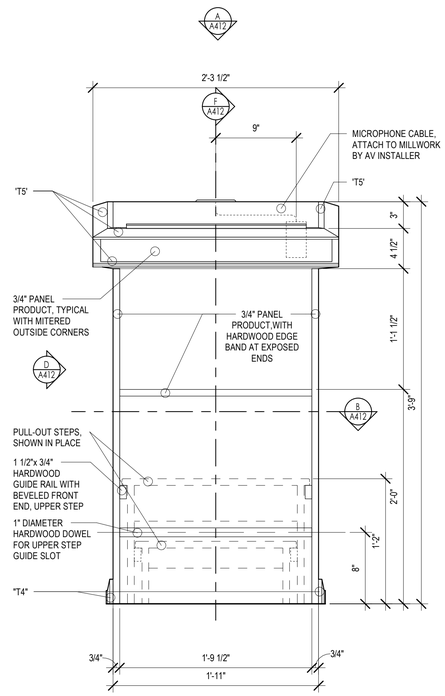
LECTERN FRONT
1 1/2" = 1'-0"

C A412



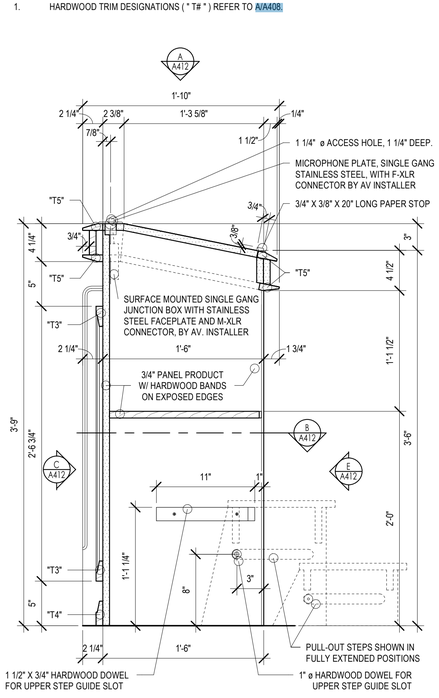
LECTERN SIDE
1 1/2" = 1'-0"

D A412



LECTERN REAR
1 1/2" = 1'-0"

E A412

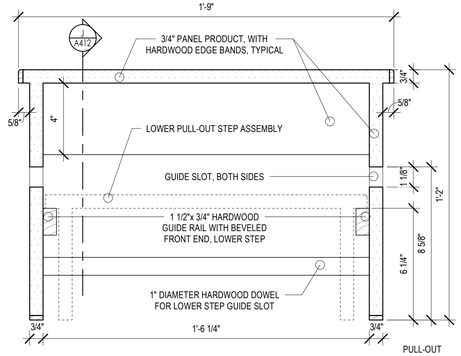


LECTERN SECTION
1 1/2" = 1'-0"

F A412

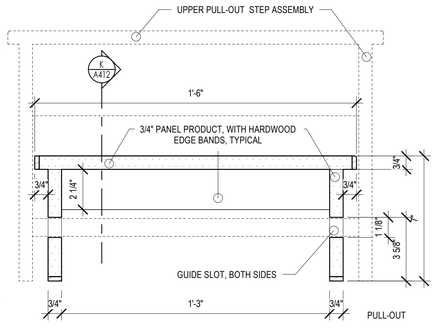
GENERAL NOTES

1. HARDWOOD TRIM DESIGNATIONS (" T# ") REFER TO N/A408.



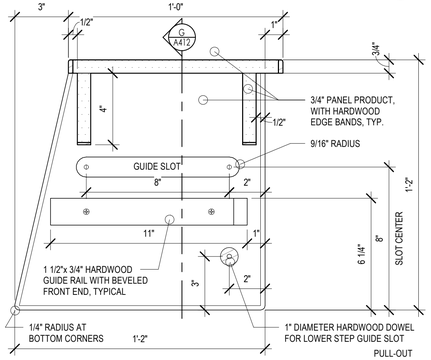
UPPER STEP SECTION
3" = 1'-0"

G A412



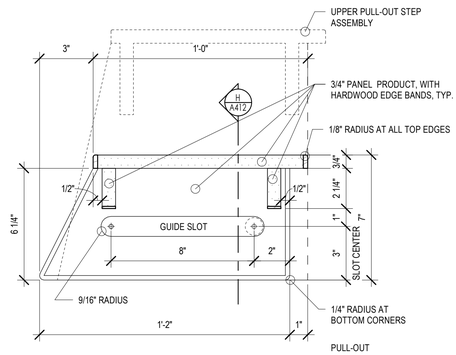
LOWER STEP SECTION
3" = 1'-0"

H A412



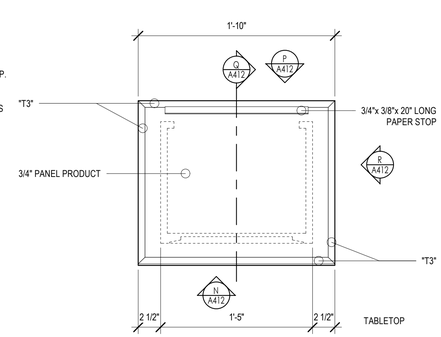
UPPER STEP SECTION
3" = 1'-0"

J A412



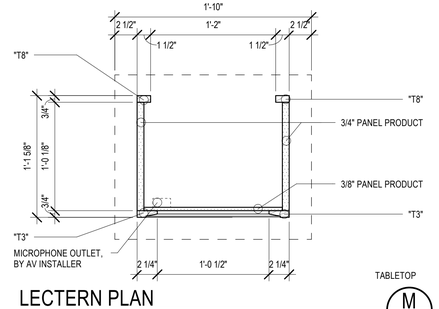
LOWER STEP SECTION
3" = 1'-0"

K A412



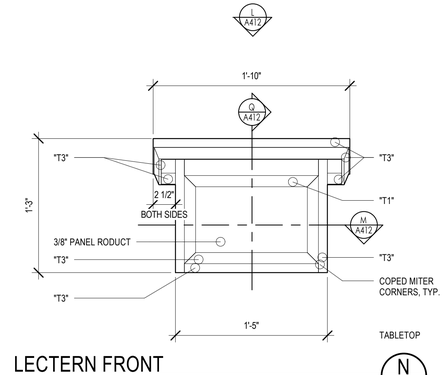
LECTERN TOP
1 1/2" = 1'-0"

L A412



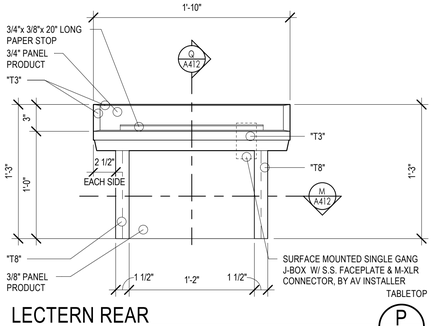
LECTERN PLAN
1 1/2" = 1'-0"

M A412



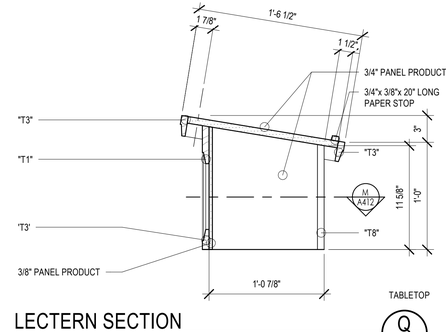
LECTERN FRONT
1 1/2" = 1'-0"

N A412



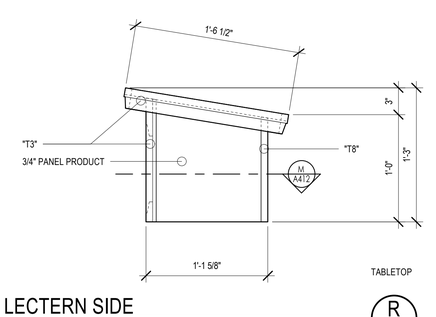
LECTERN REAR
1 1/2" = 1'-0"

P A412



LECTERN SECTION
1 1/2" = 1'-0"

Q A412



LECTERN SIDE
1 1/2" = 1'-0"

R A412

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STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

Owner #: 502-2004
Plan Series: G300-MH-11
County Parcel: 39-228:0001
BHD #: 2346
Date: 15 Aug 2024

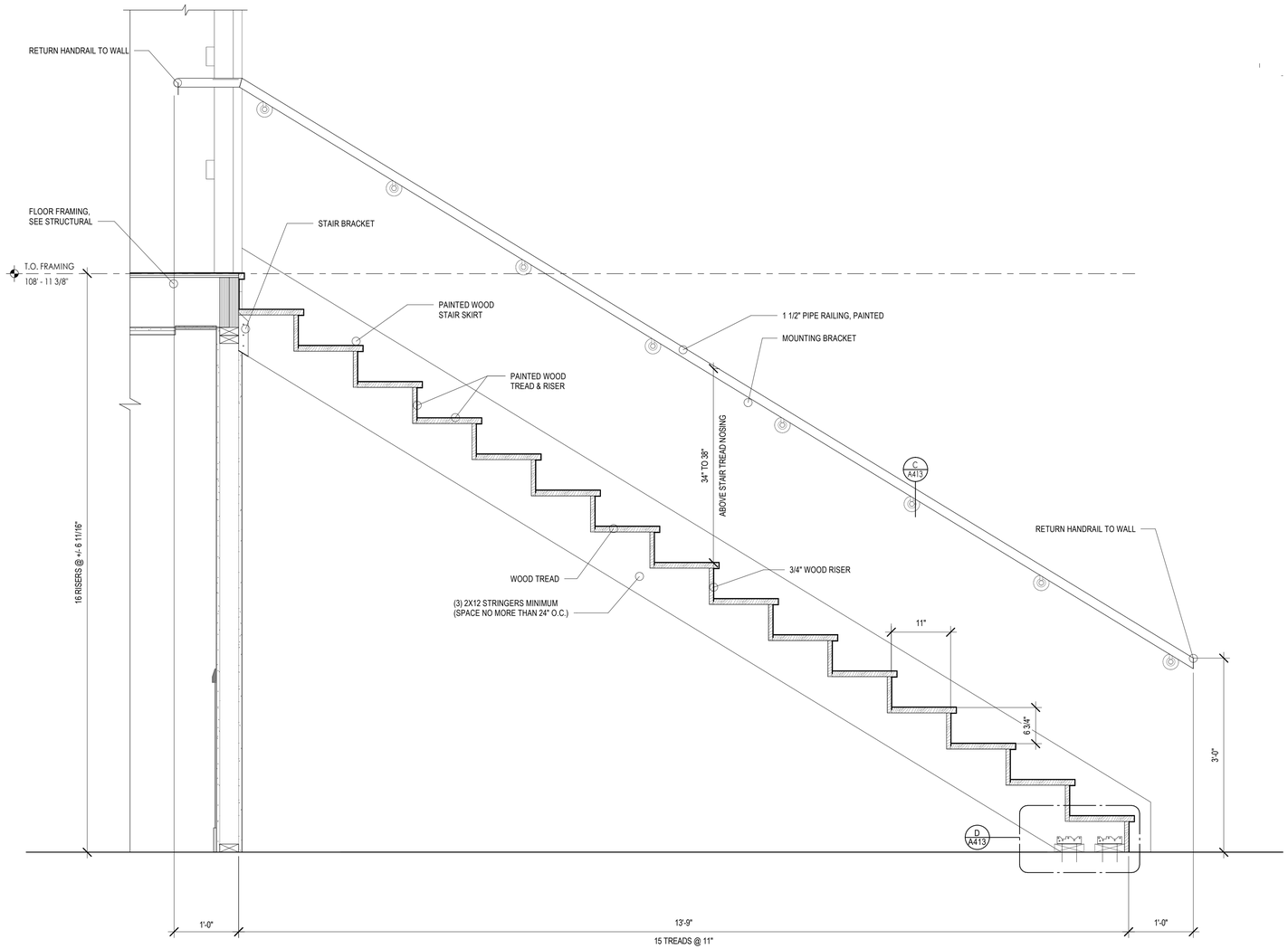
Drawing Issue and Revision Schedule

#	Date	Description

CHILDRENS LECTERN AND TABLETOP LECTERN CASEWORK

A412

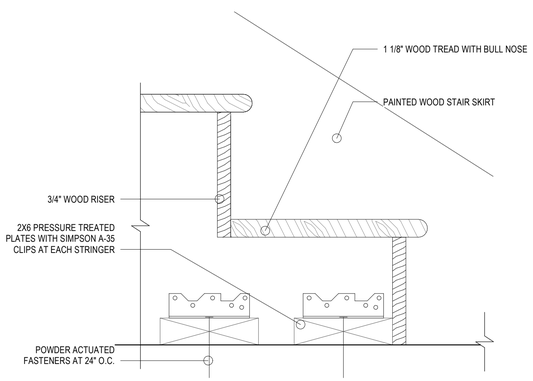
8/15/2024 1:07:08 PM



MEZZANINE STAIR SECTION

1" = 1'-0"

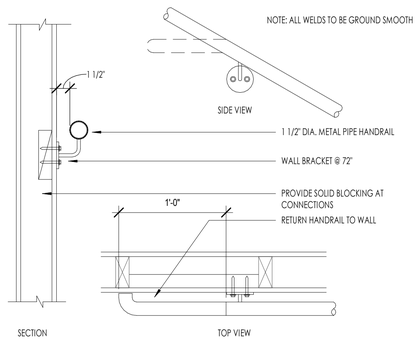
A413



STAIR BASE @ CONCRETE FLOOR

3" = 1'-0"

D A413



HANDRAIL - METAL PIPE SECTION

1 1/2" = 1'-0"

C A413

8/15/2024 1:07:09 PM

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15 Aug 2024
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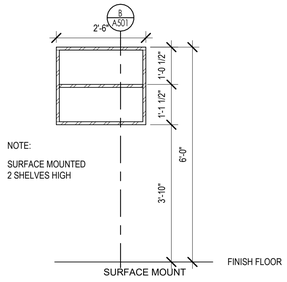
BHD #: 2346
County Parcel: 39-228:0001
Plan Series: G300-M/H-11
Owner #: 502-2004
Date: 15 Aug 2024

Drawing Issue and Revision Schedule

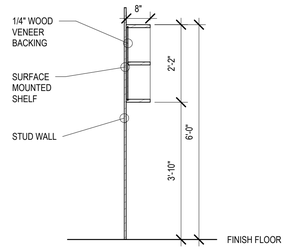
#	Date	Description

STAIR SECTIONS

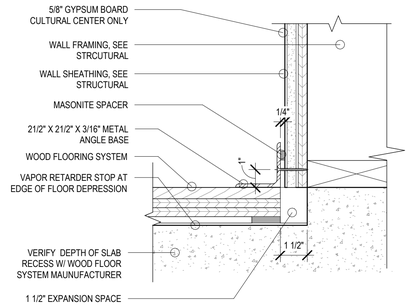
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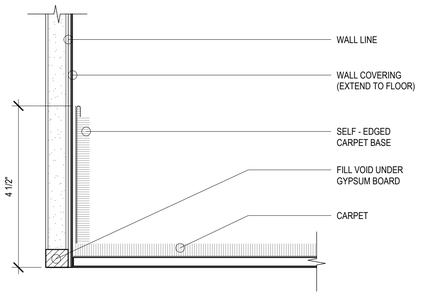
SURFACE MOUNT HYMN BOOK STORAGE (A)
1/2" = 1'-0"



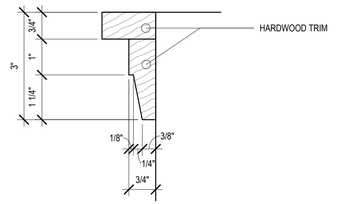
SURFACE MOUNT HYMN BOOK STORAGE SECTION (B)
1/2" = 1'-0"



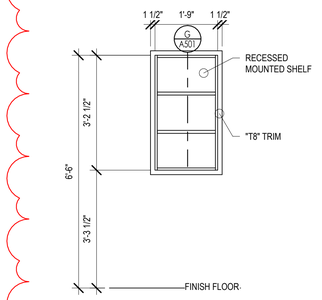
METAL BASE DETAIL (C)
3" = 1'-0"



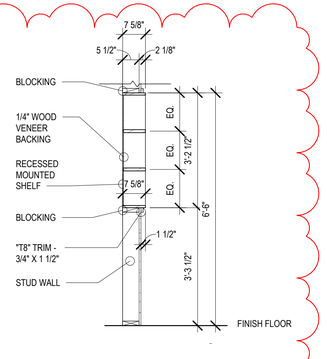
CARPET BASE DETAIL (D)
6" = 1'-0"



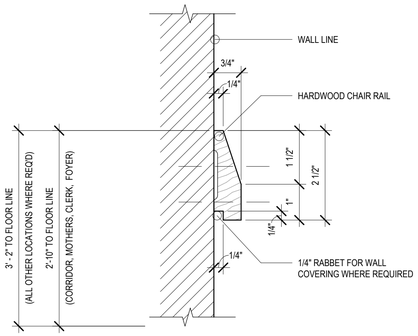
WOOD TRIM DETAIL (E)
6" = 1'-0"



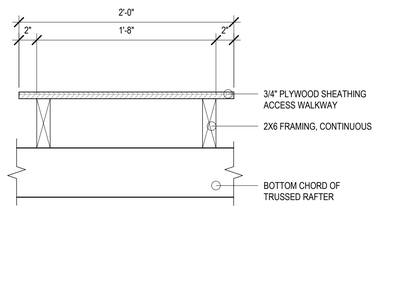
HYMN CABINET - RECESSED (F)
1/2" = 1'-0"



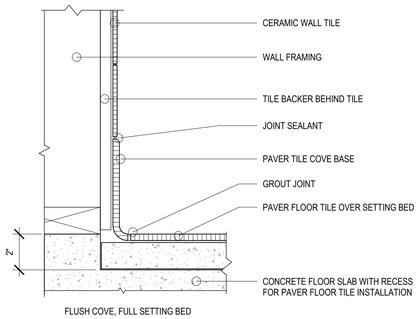
RECESSED MOUNT HYMN BOOK (G)
1/2" = 1'-0"



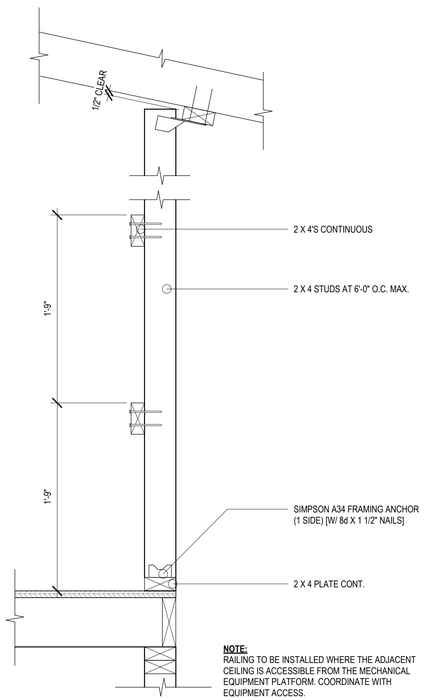
CHAIR RAIL DETAIL (H)
6" = 1'-0"



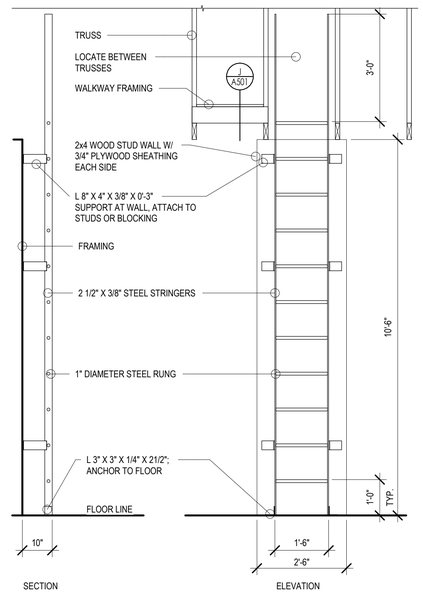
ACCESS WALKWAY DETAIL (J)
1 1/2" = 1'-0"



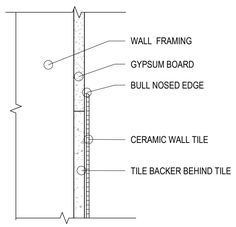
PAVER TILE BASE (K)
3" = 1'-0"



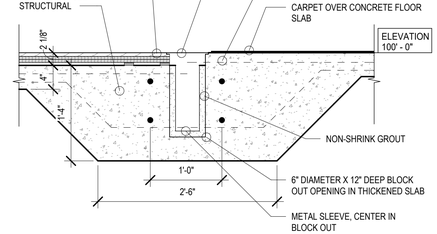
ATTIC RAILING DETAIL (L)
1 1/2" = 1'-0"



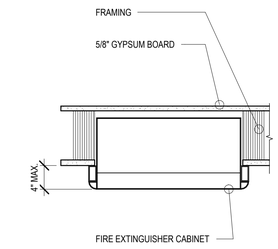
LADDER DETAIL (M)
1/2" = 1'-0"



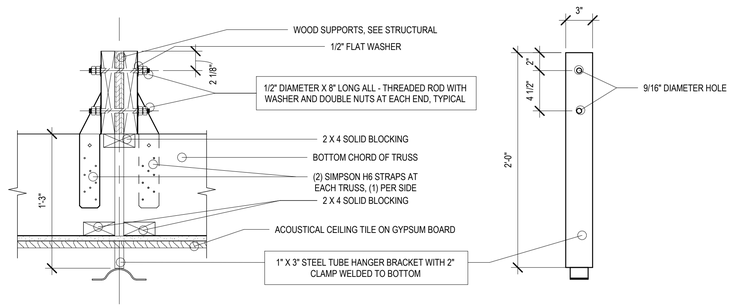
WALL TILE EDGE (N)
3" = 1'-0"



VOLLEYBALL POST SLEEVE (P)
1" = 1'-0"

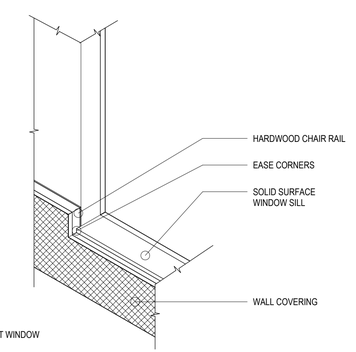


FIRE EXTINGUISHER CABINET (Q)
1 1/2" = 1'-0"



NOTE: FRAMED TEXT DENOTES ITEMS FURNISHED BY OTHERS AND INSTALLED BY CONTRACTOR

BASKETBALL STANDARD MOUNTING (R)
1 1/2" = 1'-0"



CHAIR RAIL (S)
3/4" = 1'-0"

12/23/2025 4:12:57 PM

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LICENSED ARCHITECT
Late
Theodore
Harris
Dec 2023
6879-0301
STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake
785 East 575 South
Vineyard, Utah 84059

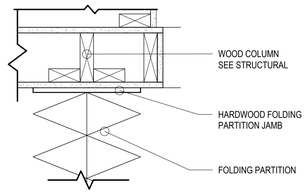
Owner #:	502-2004
Plan Series:	G300-MH-11
County Parcel:	39-228:0001
BHD #:	2346
Date:	15 Aug 2024

Drawing Issue and Revision Schedule

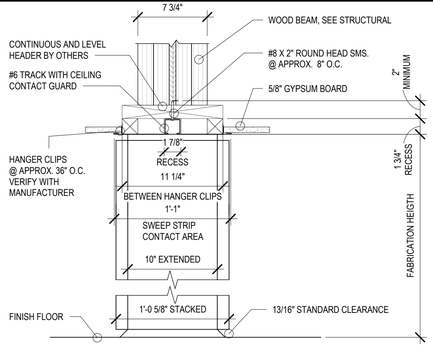
#	Date	Description
9	22 Dec 2025	ASI #2
1	15 Aug 2024	Bid Documents

ARCHITECTURE DETAILS

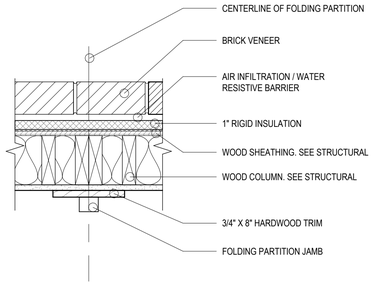
A501



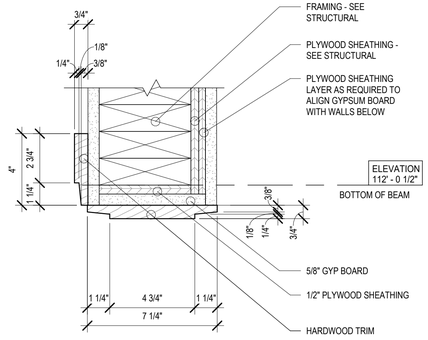
FOLDING PARTITION - JAMB DETAIL (A)
1 1/2" = 1'-0"
A502



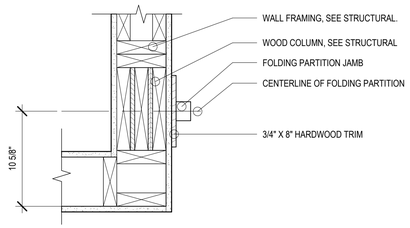
FOLDING PARTITION - HEAD DETAIL (B)
1 1/2" = 1'-0"
A502



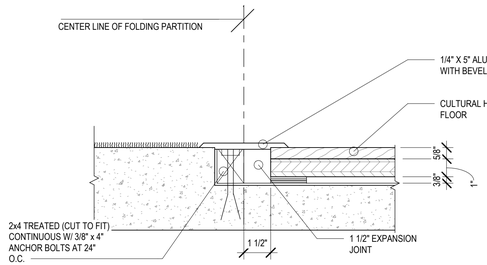
FOLDING PARTITION - JAMB @ EXTERIOR (C)
1 1/2" = 1'-0"
A502



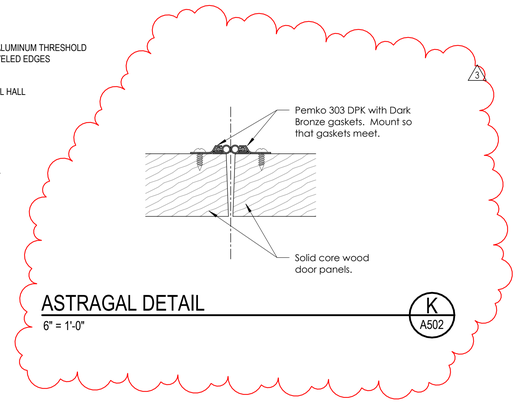
TRIM AT PLATFORM HEADER (G)
3" = 1'-0"
A502



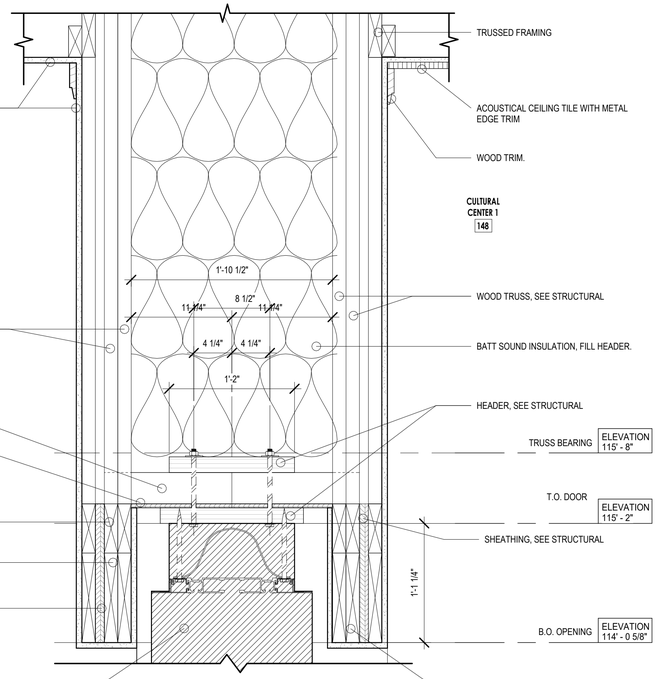
FOLDING PARTITION - JAMB @ CORNER (H)
1 1/2" = 1'-0"
A502



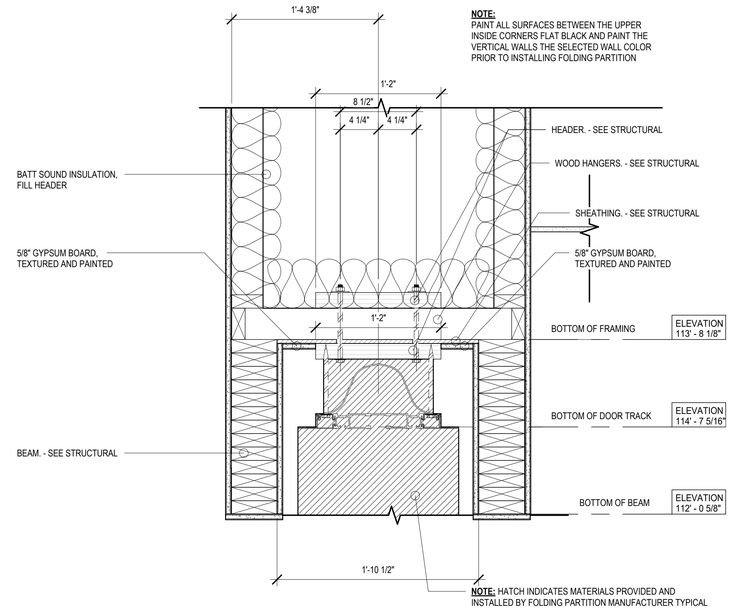
THRESHOLD - FOLDING PARTITION (J)
3" = 1'-0"
A502



ASTRAGAL DETAIL (K)
6" = 1'-0"
A502



OVERHEAD FOLDING PARTITION - HEAD (F)
1 1/2" = 1'-0"
A502



FOLDING PARTITION/CURTAIN - HEAD (E)
1 1/2" = 1'-0"
A502

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LICENSED ARCHITECT
Late
Theodore
Harris
6396-0301
29 Sep 2024
STATE OF UTAH

THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake
Approx. 542 South Geneva Road
Vineyard, Utah 84059

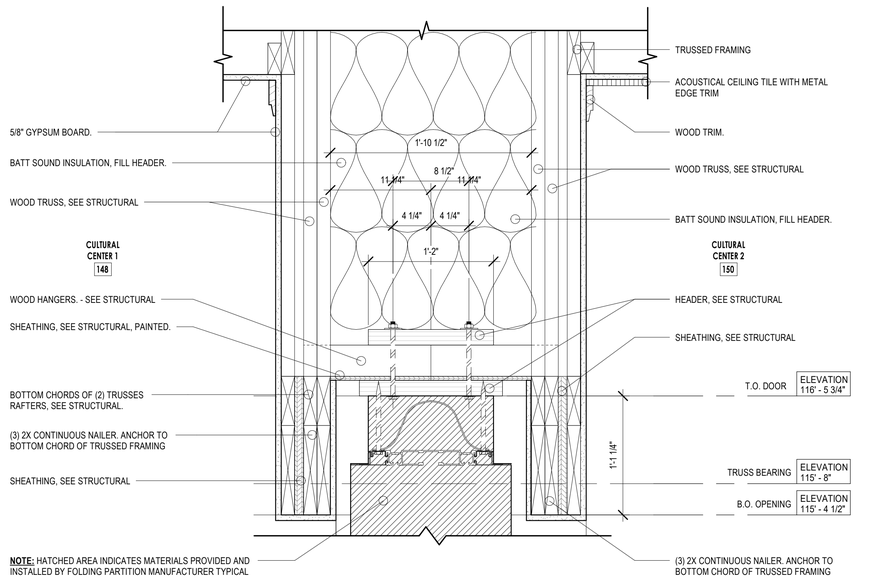
Owner #: 502-2004
Plan Series: G300-MH-11
County Parcel: 39:228:0001
BHD #: 2346
Date: 15 Aug 2024

Drawing Issue and Revision Schedule

#	Date	Description
3	30 Aug 2024	Addendum #2
1	15 Aug 2024	Bid Documents

ARCHITECTURE DETAILS

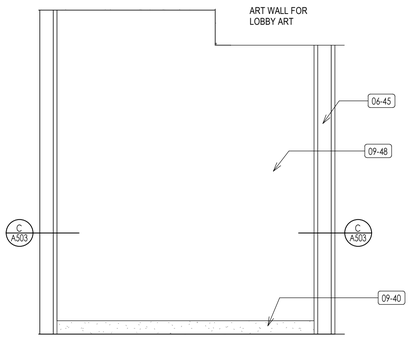
A502



PANEL FOLDING PARTITION - HEAD

1 1/2" = 1'-0"

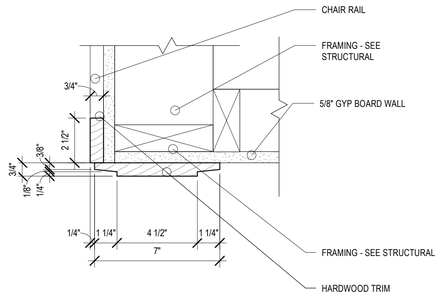
A503



ART WALL

1/2" = 1'-0"

B A503

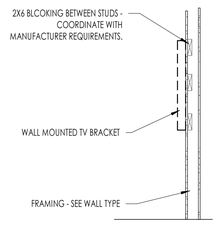


TRIM AT ART WALL

3" = 1'-0"

C A503

NOTE: COORDINATE POWER AND MOUNTING TYPE WITH PROJECT MANGER



WALL MOUNTED TV DETAIL

1/2" = 1'-0"

D A503

8/15/2024 1:31:14 PM

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15 AUG 2024
6278-0301
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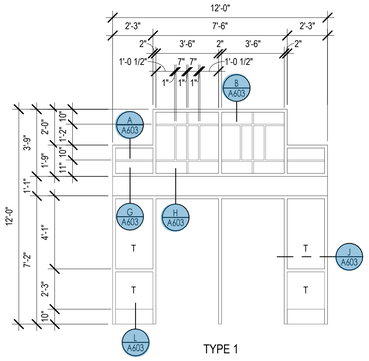
Owner #: 502.2004
Plan Series: G300-MH-11
County Parcel: 39:228:0001
BHD #: 2346
Date: 15 Aug 2024

Drawing Issue and Revision Schedule

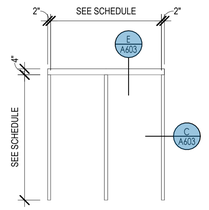
#	Date	Description

ARCHITECTURE DETAILS

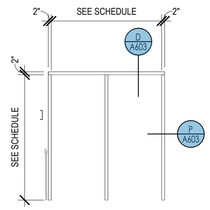
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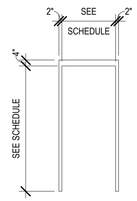
TYPE 1



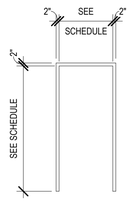
TYPE 2



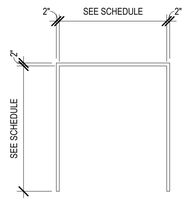
TYPE 3



TYPE 4



TYPE 5

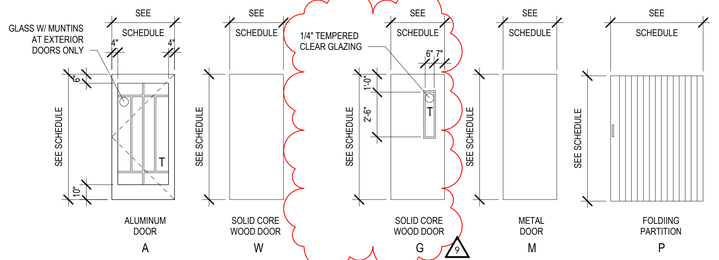


TYPE 6

FRAME TYPES

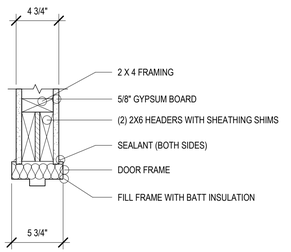
1/4" = 1'-0"

A A601



DOOR TYPES

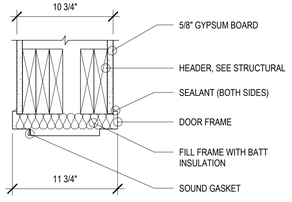
1/4" = 1'-0"



DOOR HEAD - 2X4 WALL

1 1/2" = 1'-0"

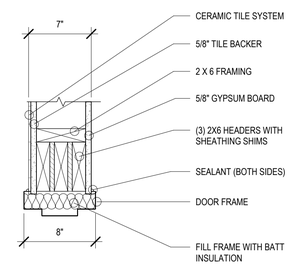
B A601



DOOR HEAD - SOUND RATED WALL

1 1/2" = 1'-0"

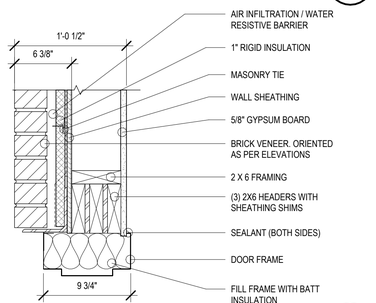
C A601



DOOR HEAD - 2X6 WALL - CERAMIC TILE

1 1/2" = 1'-0"

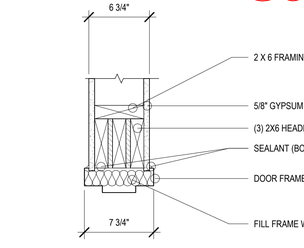
F A601



DOOR HEAD @ BRICK

1 1/2" = 1'-0"

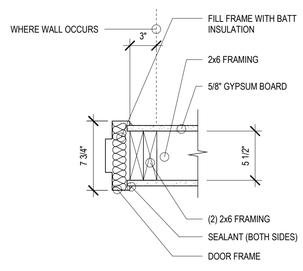
G A601



DOOR HEAD - 2X6 WALL

1 1/2" = 1'-0"

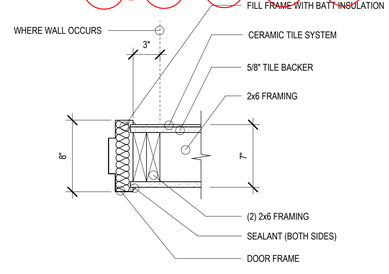
E A601



DOOR JAMB - 2X6 WALL

1 1/2" = 1'-0"

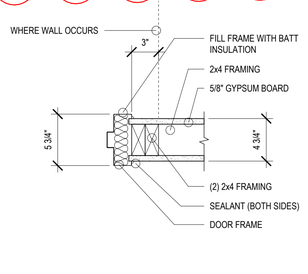
H A601



DOOR JAMB - 2X6 WALL - CERAMIC TILE

1 1/2" = 1'-0"

J A601



DOOR JAMB - 2X4 WALL

1 1/2" = 1'-0"

K A601

General Notes

A.	Due to multiple use, some of the details referred to on the door schedule are reversed and / or turned from the direction shown on the floor plan. The general intent of the details shall in all cases be followed and the Architect shall be consulted should questions arise.
B.	Doors shall be set to clear the finished floor surface by 1/2".
C.	Hollow metal door frame throat dimensions shall be 1/4" wider than the finished wall thickness. See J/A611.
D.	Frame depth dimensions and wall thickness dimensions shown on the Door Schedule and door details are to assist in preparation of bids but shall in all cases be verified prior to fabrication and installation of door frames.
E.	See the Specifications for keying requirements. Coordinate all keying requirements and scheduling with the Facilities Management Group prior to fabrication.
F.	See the Specifications for Hardware Group definitions.
G.	All door hardware shall comply with the requirements of IBC 1010.1.9.1. Door handles, pulls, latches, locks, and other operating devices shall not require tight grasping, tight pinching, or twisting of the wrist to operate.
H.	Door handles, pulls, latches, locks, and other operating devices shall be installed 34 inches minimum and 48 inches maximum above the finished floor.
J.	No doors on this project are fire rated.
K.	Install all panic hardware as required in Section 1010.1.10 of the IBC [version as noted on the code sheets].

Remarks

R1	Prepare for access controls. Access controls furnished and intalled by owner.
R2	Prepare for high security cylinder. High security cyliner urnished and intalled by owner.

Door Stop / Closer Function

DS1	Wall stop. No closer.
DS2	Closer with cush-stop arm, wall stop.
DS3	Closer with cush-stop arm.
DS4	Closer with detent hold-open arm.
DS5	Closer and wall stop.
DS6	Closer with friction hold open arm and wall stop.
DS7	Closer with detent spring-stop hold open arm.

Door Swing Settings

SS1	Mount door hardware to allow the maximum swing opening (approximately 90°) that will engage the hold-open function while preventing contact between the door and the chair rail even when significant force is applied to the door.
SS2	Mount door hardware to allow the maximum swing opening (approximately 175°) that will still engage the hold-open function.
SS3	Mount door hardware to allow the maximum swing opening (not to exceed 110°) without the door or hardware contacting opposing surfaces.

Door Operators

DO1	Low energy swing door operator.

Thresholds

T1	Aluminum threshold. See P, N, O/A611.
T1b	Aluminum threshold by wood floor contractor. See R/A611.
T2	Stone threshold by tile contractor. See Q/A611.
T3	Metal transition strip by tile contractor. See S/A611.
T4	Sound control threshold. See T/A611.

DOOR SCHEDULE

MARK	ROOM	DOOR TYPE	DOOR SINGLE/PAIR	DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	FRAME TYP	FRAME DETAIL HEAD	FRAME DETAIL JAMB	FRAME DETAIL THRESHOLD	HARDWARE GROUP	REMARKS	ROOM	MARK
Aluminum Storefront Doors														
107A	VESTIBULE	A	P	3' - 6"	7' - 0"	1 3/4"	1	G/A603	J/A603	G/A604	ST1A	DS-3, SS3, T1, R1, DO1	VESTIBULE	107A
107B	VESTIBULE	A	P	3' - 6"	7' - 0"	1 3/4"	1	H/A603	P/A603	-	ST3A	DS-3, SS3, DO1	VESTIBULE	107B
119A	VESTIBULE	A	P	3' - 0"	7' - 0"	1 3/4"	2	E/A603	C/A603	G/A604	ST1	DS-3, SS3, T1, R1, R2	VESTIBULE	119A
119B	VESTIBULE	A	P	3' - 0"	7' - 0"	1 3/4"	3	D/A603	K/A603	-	ST3B	DS-3, SS3	VESTIBULE	119B
125A	VESTIBULE	A	P	3' - 0"	7' - 0"	1 3/4"	2	E/A603	C/A603	G/A604	ST1B	DS-3, SS3, T1	VESTIBULE	125A
125B	VESTIBULE	A	P	3' - 0"	7' - 0"	1 3/4"	3	D/A603	K/A603	-	ST3B	DS-3, SS3	VESTIBULE	125B
130B	SERVING AREA	A	S	3' - 0"	7' - 0"	1 3/4"	4	N/A603	C/A603 SIM	G/A604	ST1B	DS-7, SS3, T1	SERVING AREA	130B
138A	VESTIBULE	A	P	3' - 6"	7' - 0"	1 3/4"	1	G/A603	J/A603	G/A604	ST1	DS-3, SS3, T1, DO1, R2, R1	VESTIBULE	138A
138B	VESTIBULE	A	P	3' - 6"	7' - 0"	1 3/4"	1	H/A603	P/A603	-	ST3A	DS-3, SS3, DO1	VESTIBULE	138B
Hollow Metal Doors														
128A	EQUIPMENT PLATFORM ACCESS	M	S	3' - 0"	7' - 0"	1 3/4"	4	G/A601	F/A604	G/A604	3	DS-7, SS3, T1, R2	EQUIPMENT PLATFORM ACCESS	128A
129A	FIRE RISER	M	S	3' - 0"	7' - 0"	1 3/4"	4	G/A601	F/A604	G/A604	3	DS-7, SS3, T1	FIRE RISER	129A
Partitions														
132B	ROOM	P	S	20' - 0"	8' - 0"		-	B/A502	A/A502 C/A502	-	-		ROOM	132B
133B	ROOM	P	S	20' - 0"	8' - 0"		-	B/A502	A/A502 C/A502	-	-		ROOM	133B
149E	CULTURAL CENTER 1	P	D	45' - 1 1/2"	15' - 2"		-	F/A502		-	-		CULTURAL CENTER 1	149E
150C	CULTURAL CENTER 2	P	D	45' - 1"	16' - 5 3/4"		-	A/A503		-	-		CULTURAL CENTER 2	150C
153D	ROOM	P	D	49' - 5 3/4"	13' - 2"		-	E/A502 G/A502	E/A402 H/A502	-	-		ROOM	153D
Solid Core Wood Doors														
101A	BISHOP	W	S	3' - 0"	7' - 0"	1 3/4"	5	C/A601	L/A604	K/A604	26	DS-1, T4	BISHOP	101A
102A	CLERK	W	S	3' - 0"	7' - 0"	1 3/4"	5	E/A601	H/A601	K/A604	26	DS-1, T4	CLERK	102A
103A	CLERK	W	S	3' - 0"	7' - 0"	1 3/4"	5	E/A601	H/A601	K/A604	26	DS-1, T4	CLERK	103A
105A	BISHOP	W	S	3' - 0"	7' - 0"	1 3/4"	5	C/A601	L/A604	K/A604	26	DS-1, T4	BISHOP	105A
106A	ROOM	W	S	3' - 0"	7' - 0"	1 3/4"	5	B/A601	K/A601	K/A604	20B	DS-1, T4	ROOM	106A
109A	ROOM	G	S	3' - 0"	7' - 0"	1 3/4"	5	E/A601	H/A601	-	20A	DS-1	ROOM	109A
110A	MEMBER CUSTODIAL	W	S	3' - 0"	7' - 0"	1 3/4"	5	B/A601	K/A601	J/A604	20A	DS-1, T2	MEMBER CUSTODIAL	110A
111A	ROOM	G	S	3' - 0"	7' - 0"	1 3/4"	5	B/A601	K/A601	-	20A	DS-1	ROOM	111A
112A	ROOM	G	S	3' - 0"	7' - 0"	1 3/4"	5	B/A601	K/A601	-	20A	DS-1	ROOM	112A
113A	ROOM	G	S	3' - 0"	7' - 0"	1 3/4"	5	B/A601	K/A601	-	20A	DS-1	ROOM	113A
114A	ROOM	G	S	3' - 0"	7' - 0"	1 3/4"	5	B/A601	K/A601	-	20A	DS-1	ROOM	114A
116A	ROOM	G	S	3' - 0"	7' - 0"	1 3/4"	5	B/A601	K/A601	-	20A	DS-1	ROOM	116A
117A	ROOM	G	S	3' - 0"	7' - 0"	1 3/4"	5	B/A601	K/A601	-	20A	DS-1	ROOM	117A
118A	ROOM	G	S	3' - 0"	7' - 0"	1 3/4"	5	B/A601	K/A601	-	30	DS-4, SS1	ROOM	118A
118B	ROOM	G	S	3' - 0"	7' - 0"	1 3/4"	5	B/A601	K/A601	-	30	DS-4, SS1	ROOM	118B
120A	ROOM	G	S	3' - 0"	7' - 0"	1 3/4"	5	B/A601	K/A601	-	20A	DS-1	ROOM	120A
121A	MATERIAL CENTER	W	S	3' - 0"	7' - 0"	1 3/4"	5	B/A601	K/A601	-	26A	DS-1	MATERIAL CENTER	121A
122A	FAMILY RESTROOM	W	S	3' - 0"	7' - 0"	1 3/4"	5	B/A601	K/A601	J/A604	32	DS-5, T2	FAMILY RESTROOM	122A
124A	ROOM	G	S	3' - 0"	7' - 0"	1 3/4"	5	B/A601	K/A601	-	20A	DS-1	ROOM	124A
126A	ROOM	G	S	3' - 0"	7' - 0"	1 3/4"	5	B/A601	K/A601	-	30	DS-4, SS1	ROOM	126A
126B	ROOM	G	S	3' - 6"	7' - 0"	1 3/4"	5	B/A601	K/A601	-	30	DS-4, SS1	ROOM	126B
127A	ROOM	G	S	3' - 0"	7' - 0"	1 3/4"	5	B/A601	K/A601	-	20A	DS-1	ROOM	127A
130A	SERVING AREA	G	S	3' - 0"	7' - 0"	1 3/4"	5	E/A601	H/A601	J/A604	20A	DS-1, T3	SERVING AREA	130A
130C	SERVING AREA	W	P	3' - 0"	7' - 0"	1 3/4"	6	E/A601	H/A601	J/A604	50B	DS-1, T3	SERVING AREA	130C
132A	ROOM	G	S	3' - 0"	7' - 0"	1 3/4"	5	B/A601	K/A601	-	30	DS-4, SS1	ROOM	132A
133A	ROOM	G	S	3' - 0"	7' - 0"	1 3/4"	5	B/A601	K/A601	-	30	DS-4, SS1	ROOM	133A
134A	ROOM	G	S	3' - 0"	7' - 0"	1 3/4"	5	B/A601	K/A601	-	30	DS-4, SS1	ROOM	134A
135A	MOTHERS' ROOM	W	S	3' - 0"	7' - 0"	1 3/4"	5	B/A601	K/A601	K/A604	30	DS-3, SS3, T4	MOTHERS' ROOM	135A
136A	TECHNOLOGY	W	S	3' - 0"	7' - 0"	1 3/4"	5	B/A601	K/A601	-	26A	DS-1	TECHNOLOGY	136A
139A	ROOM	W	S	3' - 0"	7' - 0"	1 3/4"	5	B/A601	K/A601	K/A604	20B	DS-1, T4	ROOM	139A
140A	BISHOP	W	S	3' - 0"	7' - 0"	1 3/4"	5	C/A601	L/A604	K/A604	26	DS-1, T4	BISHOP	140A
142A	BISHOP	W	S	3' - 0"	7' - 0"	1 3/4"	5	C/A601	L/A604	K/A604	26	DS-1, T4	BISHOP	142A
143A	CLERK	W	S	3' - 0"	7' - 0"	1 3/4"	5	E/A601	H/A601	K/A604	26	DS-1, T4	CLERK	143A
144A	CLERK	W	S	3' - 0"	7' - 0"	1 3/4"	5	E/A601	H/A601	K/A604	26	DS-1, T4	CLERK	144A
148A	CHAPEL	W	P	3' - 0"	7' - 0"	1 3/4"	6	E/A601	H/A601	-	52	DS-4	CHAPEL	148A
148C	CHAPEL	W	P	3' - 0"	7' - 0"	1 3/4"	6	E/A601	H/A601	-	52	DS-4	CHAPEL	148C
149A	CULTURAL CENTER 1	W	S	3' - 0"	7' - 0"	1 3/4"	5	E/A601	H/A601	M/A604	30	DS-7, SS1, T1b	CULTURAL CENTER 1	149A
149B	CULTURAL CENTER 1	W	P	3' - 0"	7' - 0"	1 3/4"	5	E/A601	H/A601	M/A604	30	DS-7, SS1, T1b	CULTURAL CENTER 1	149B
149C	CULTURAL CENTER 1	W	P	3' - 0"	7' - 0"	1 3/4"	5	E/A601	H/A601	M/A604	30	DS-7, SS1, T1b	CULTURAL CENTER 1	149C
149D	CULTURAL CENTER 1	W	S	3' - 0"	7' - 0"	1 3/4"	5	E/A601	H/A601	M/A604	30	DS-7, SS1, T1b	CULTURAL CENTER 1	149D
150A	CULTURAL CENTER 1	W	S	3' - 0"	7' - 0"	1 3/4"	5	E/A601	H/A601	M/A604	30	DS-7, SS1, T1b	CULTURAL CENTER 1	150A
150B	CULTURAL CENTER 2	W	S	3' - 0"	7' - 0"	1 3/4"	5	E/A601	H/A601	M/A604	30	DS-7, SS1, T1b	CULTURAL CENTER 2	150B
151A	VOLLEYBALL STORAGE	W	S	3' - 0"	7' - 0"	1 3/4"	5	E/A601	H/A601	M/A604	30	DS-7, SS3, T1b	VOLLEYBALL STORAGE	151A
152A	STORAGE	W	P	3' - 6"	7' - 0"	1 3/4"	6	B/A601	K/A601 K/A502	M/A604	52	DS-4, SS3, T1b	STORAGE	152A
153A	ROOM	G	S	3' - 0"	7' - 0"	1 3/4"	5	E/A601	H/A601	-	30	DS-4, SS1	ROOM	153A
153B	ROOM	W	S	3' - 0"	7' - 0"	1 3/4"	5	E/A601	H/A601	M/A604	30	DS-4, SS1, T1b	ROOM	153B
153C	ROOM	G	S	3' - 0"	7' - 0"	1 3/4"	5	E/A601	H/A601	-	30	DS-4, SS1	ROOM	153C
155A	MEN	W	S	3' - 0"	7' - 0"	1 3/4"	5	E/A601	H/A601	H/A604	28	DS-5, T2	MEN	155A
156A	WOMEN	W	S	3' - 0"	7' - 0"	1 3/4"	5	E/A601	H/A601	H/A604	28	DS-5, T2	WOMEN	156A

NOTE: SEE STORAGE SHED SHEET FOR STORAGE SHED DOORS

bhd ARCHITECTS
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Fax 801.571.0303
Toll Free 888.571.0010
65 East Wadsworth Park Drive
Suite 205 Draper, Utah 84020

LICENSED ARCHITECT Lafe Theodore Harris Dec 2 2025 6923679-0301 STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

785 East 575 South
Vineyard, Utah 84059

Owner #: 502-2004
Plan Series: G300-MH-1 1
County Parcel: 39-228:0001
BHD #: 2346
Date: 15 Aug 2024

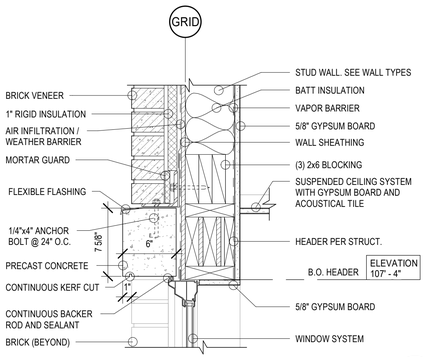
Drawing Issue and Revision Schedule

#	Date	Description
9	22 Dec. 2025	ASI #2
3	30 Aug 2024	Addendum #2
1	15 Aug 2024	Bid Documents

DOOR SCHEDULE & DETAILS

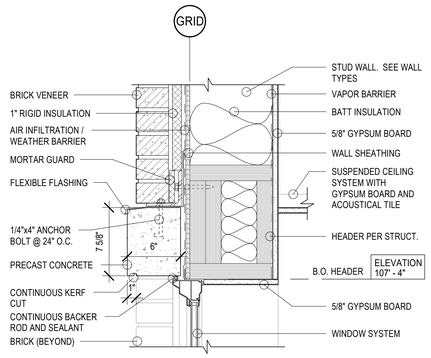
A601

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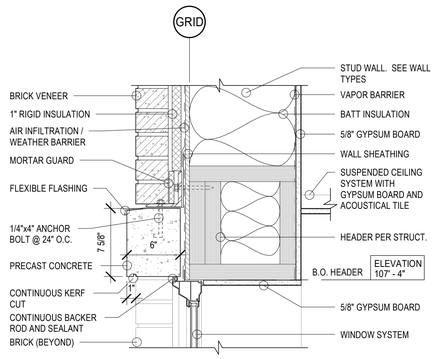
WINDOW HEAD @ 2x6 STUD — A602

1 1/2" = 1'-0"



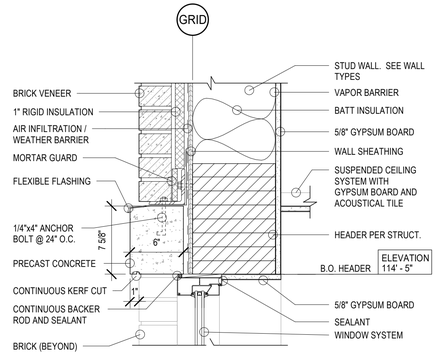
WINDOW HEAD @ 2x10 STUD — B A602

1 1/2" = 1'-0"



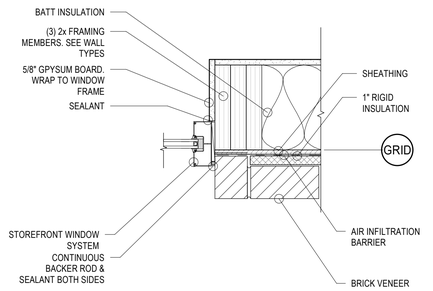
WINDOW HEAD @ 2X12 STUD — C A602

1 1/2" = 1'-0"



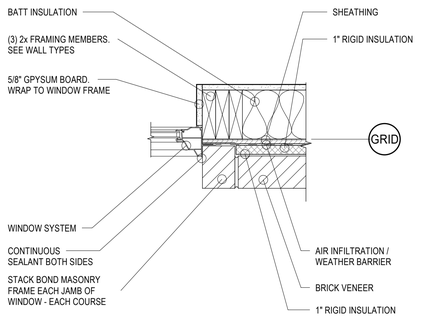
WINDOW HEAD - STOREFRONT — D A602

1 1/2" = 1'-0"



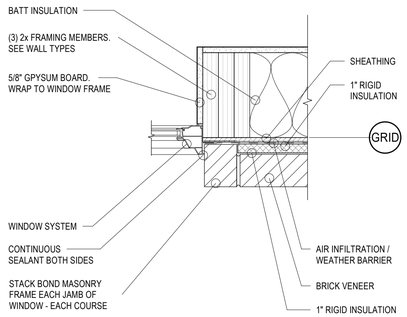
WINDOW JAMB - STOREFRONT — E A602

1 1/2" = 1'-0"



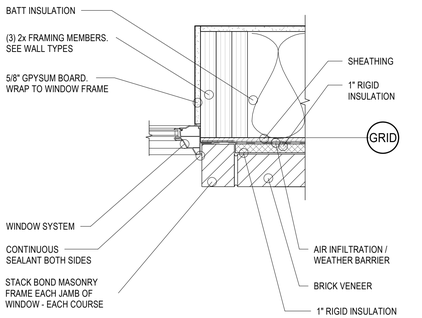
WINDOW JAMB - 2X6 STUD — F A602

1 1/2" = 1'-0"



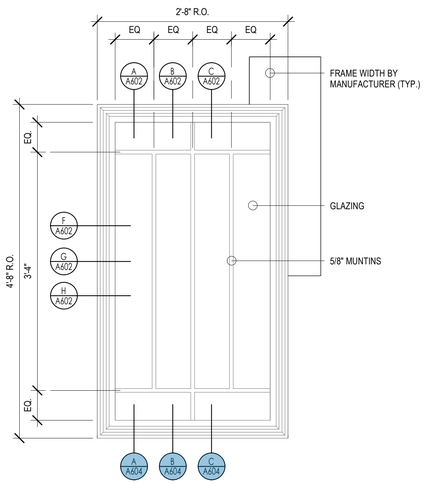
WINDOW JAMB - 2X10 STUD — G A602

1 1/2" = 1'-0"



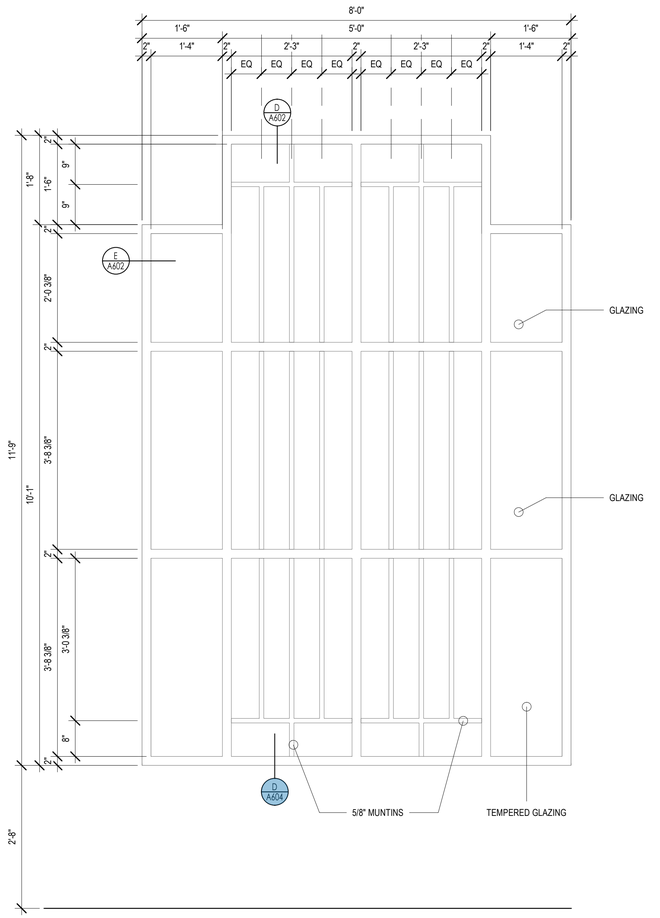
WINDOW JAMB - 2X12 STUD — H A602

1 1/2" = 1'-0"



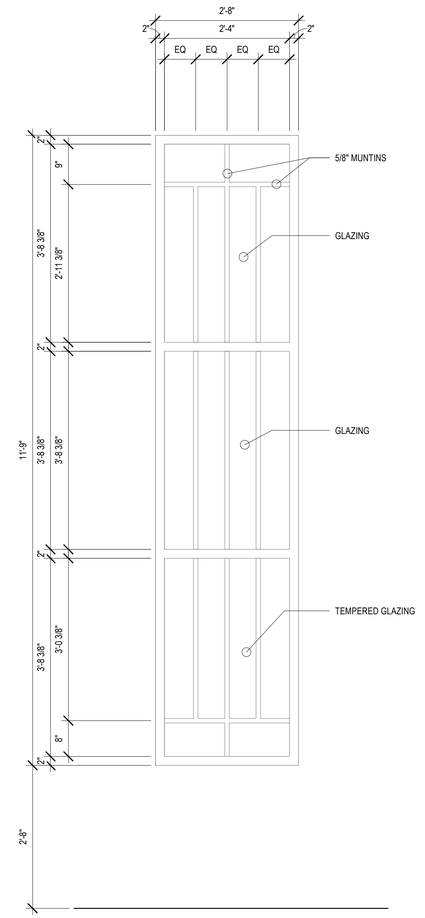
WINDOW TYPE A — J A602

1" = 1'-0"



WINDOW TYPE B — K A602

3/4" = 1'-0"



WINDOW TYPE C — L A602

3/4" = 1'-0"

8/15/2024 1:07:17 PM

bhd ARCHITECTS
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Fax 801.571.0303
Toll Free 888.571.0010
65 East Wadsworth Park Drive
Suite 205 Draper, Utah 84020

LICENSED ARCHITECT — Lafe Theadore Harris — 15 AUG 2024 — 5578878-0301 — STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 540 South Geneva Road
Vineyard, Utah 84059

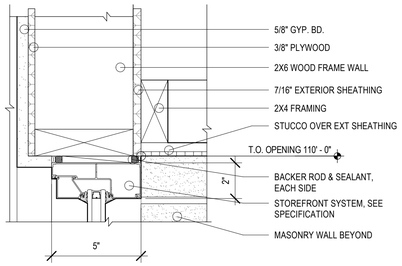
Date: 15 Aug 2024
BHD #: 2346
County Parcel: 39-228-0001
Plan Series: G300-MH-11
Owner #: 502-2004

Drawing Issue and Revision Schedule

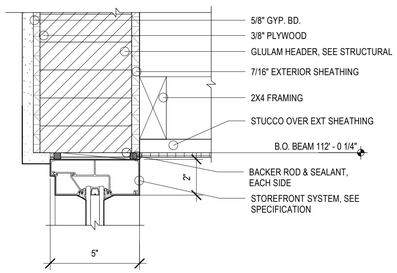
#	Date	Description

WINDOW DETAILS

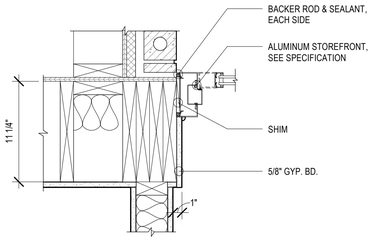
A602



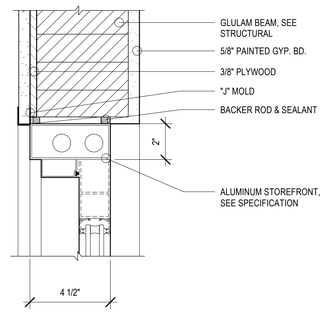
STOREFRONT HEAD DETAIL
3" = 1'-0"
A / A603



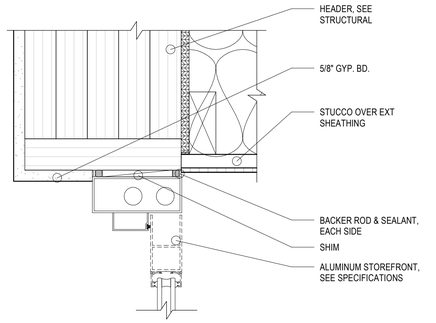
STOREFRONT HEAD @ BEAM
3" = 1'-0"
B / A603



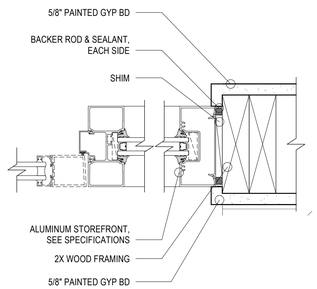
STOREFRONT - EXT DOOR JAMB
1 1/2" = 1'-0"
C / A603



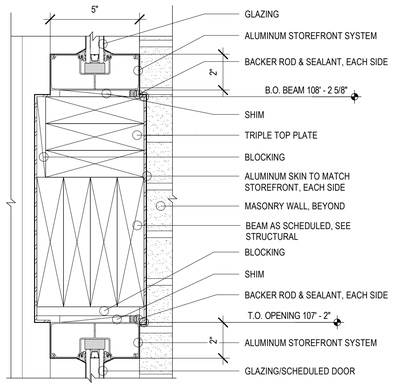
STOREFRONT - DOOR - INTERIOR
3" = 1'-0"
D / A603



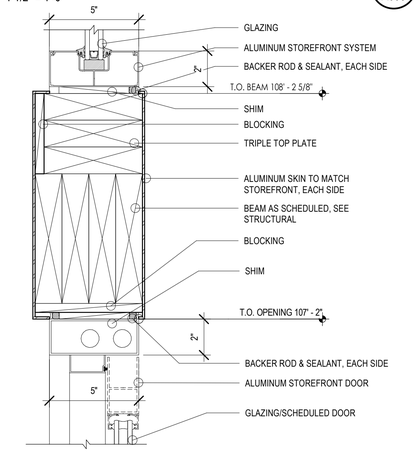
STOREFRONT - EXT - DOOR HEADER
3" = 1'-0"
E / A603



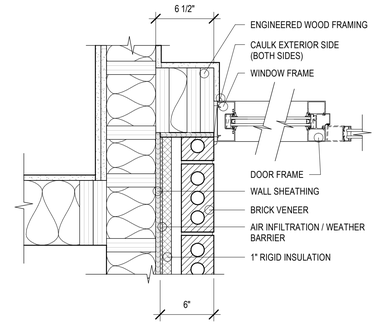
STOREFRONT - INT JAMB
3" = 1'-0"
F / A603



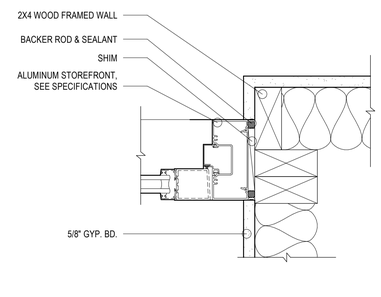
STOREFRONT @ BEAM DETAIL
3" = 1'-0"
G / A603



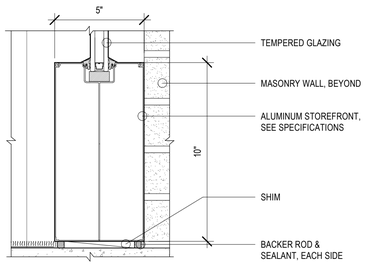
STOREFRONT DOOR @ BEAM
3" = 1'-0"
H / A603



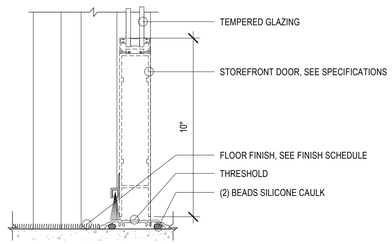
STOREFRONT - EXT - JAMB @ BRICK
1 1/2" = 1'-0"
J / A603



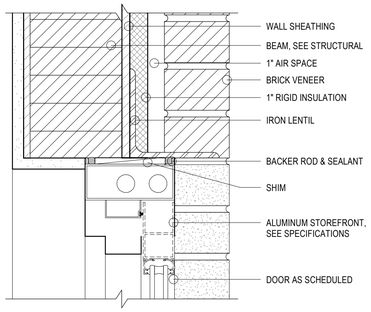
STOREFRONT - INT- DOOR JAMB
3" = 1'-0"
K / A603



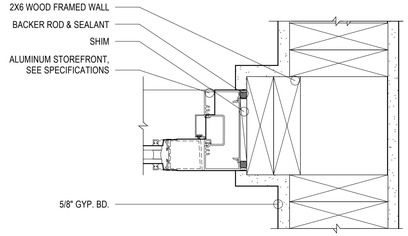
STOREFRONT SILL DETAIL
3" = 1'-0"
L / A603



STOREFRONT THRESHOLD DETAIL
3" = 1'-0"
M / A603



STOREFRONT DOOR @ BRICK
3" = 1'-0"
N / A603



STOREFRONT - INT- DOOR JAMB ENTRY
3" = 1'-0"
P / A603

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LICENSED ARCHITECT
Lafe Theadore Harris
15 AUG 2024
STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

BHD #: 2346
County Parcel: 39-228:0001
Plan Series: G300-MH-11
Owner #: 502-2004
Date: 15 Aug 2024

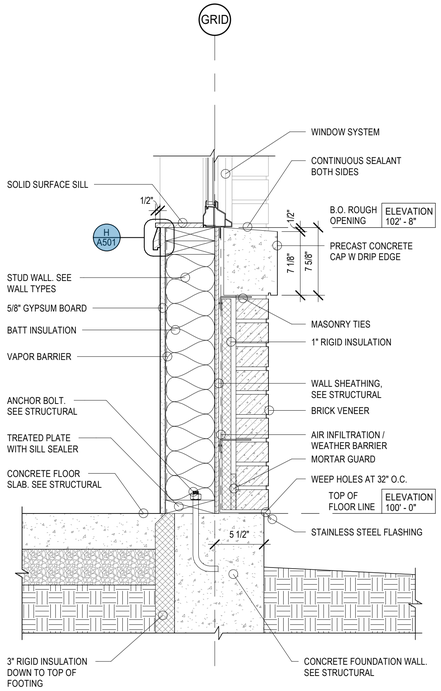
Drawing Issue and Revision Schedule

#	Date	Description

STOREFRONT DETAILS

A603

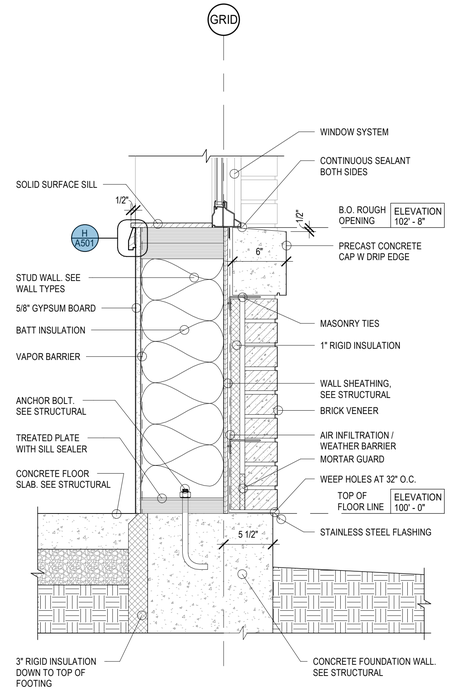
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WINDOW SILL - 2X6 STUD

1 1/2" = 1'-0"

A604

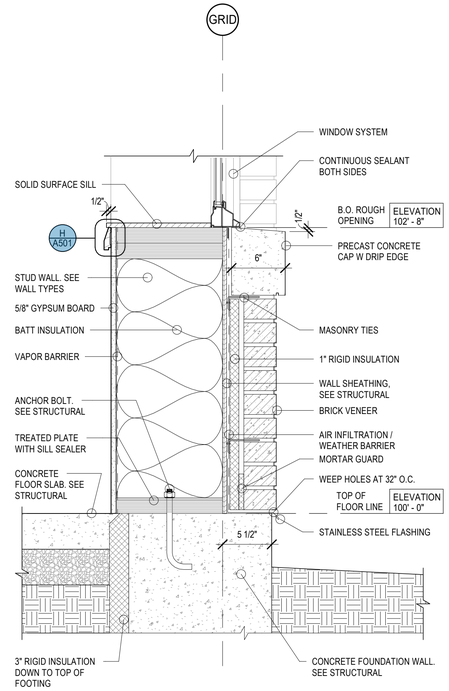


WINDOW SILL - 9 1/2 SCL

1 1/2" = 1'-0"

B

A604

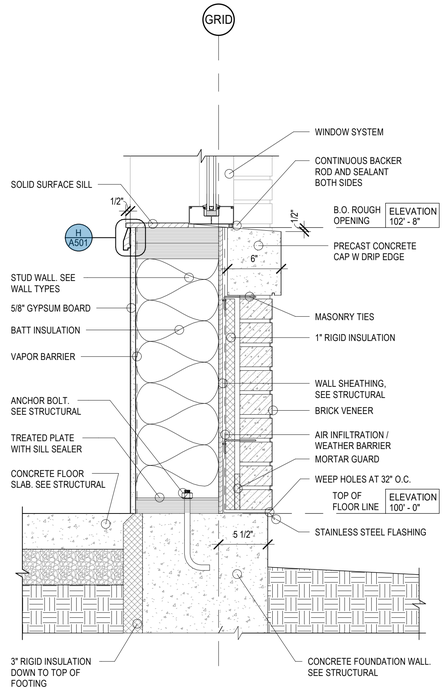


WINDOW SILL - 11 7/8" SCL

1 1/2" = 1'-0"

C

A604

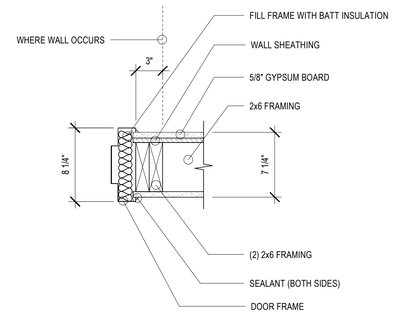


WINDOW SILL - STOREFRONT

1 1/2" = 1'-0"

D

A604

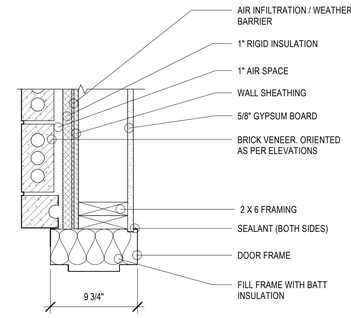


DOOR JAMB - 2X6 SHEAR WALL

1 1/2" = 1'-0"

E

A604

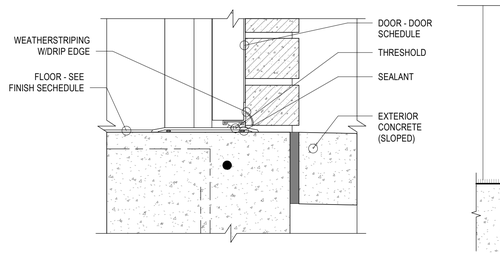


DOOR JAMB @ BRICK

1 1/2" = 1'-0"

F

A604

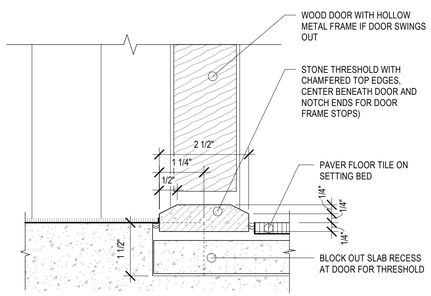


THRESHOLD @ EXTERIOR DOOR

3" = 1'-0"

G

A604

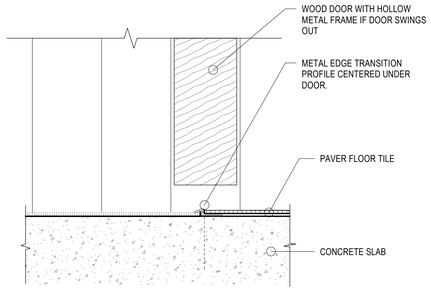


THRESHOLD DETAIL - STONE RECESSED

6" = 1'-0"

H

A604

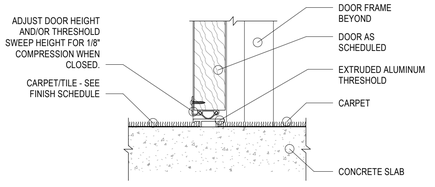


THRESHOLD DETAIL - THIN SET TILE

6" = 1'-0"

J

A604

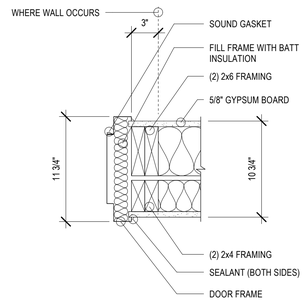


THRESHOLD - SOUND CONTROL

3" = 1'-0"

K

A604

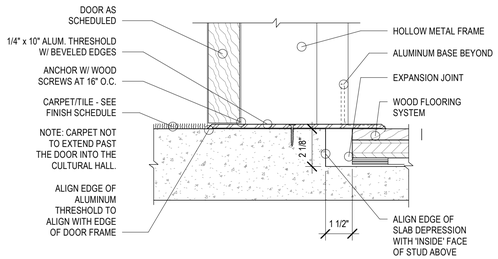


DOOR JAMB - SOUND RATED WALL

1 1/2" = 1'-0"

L

A604



THRESHOLD @ FLOOR TRANSITION

3" = 1'-0"

M

A604

8/15/2024 1:07:21 PM

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LICENSED ARCHITECT
Lafe Teodore Harris
15 AUG 2024
#6-8878-0301
STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

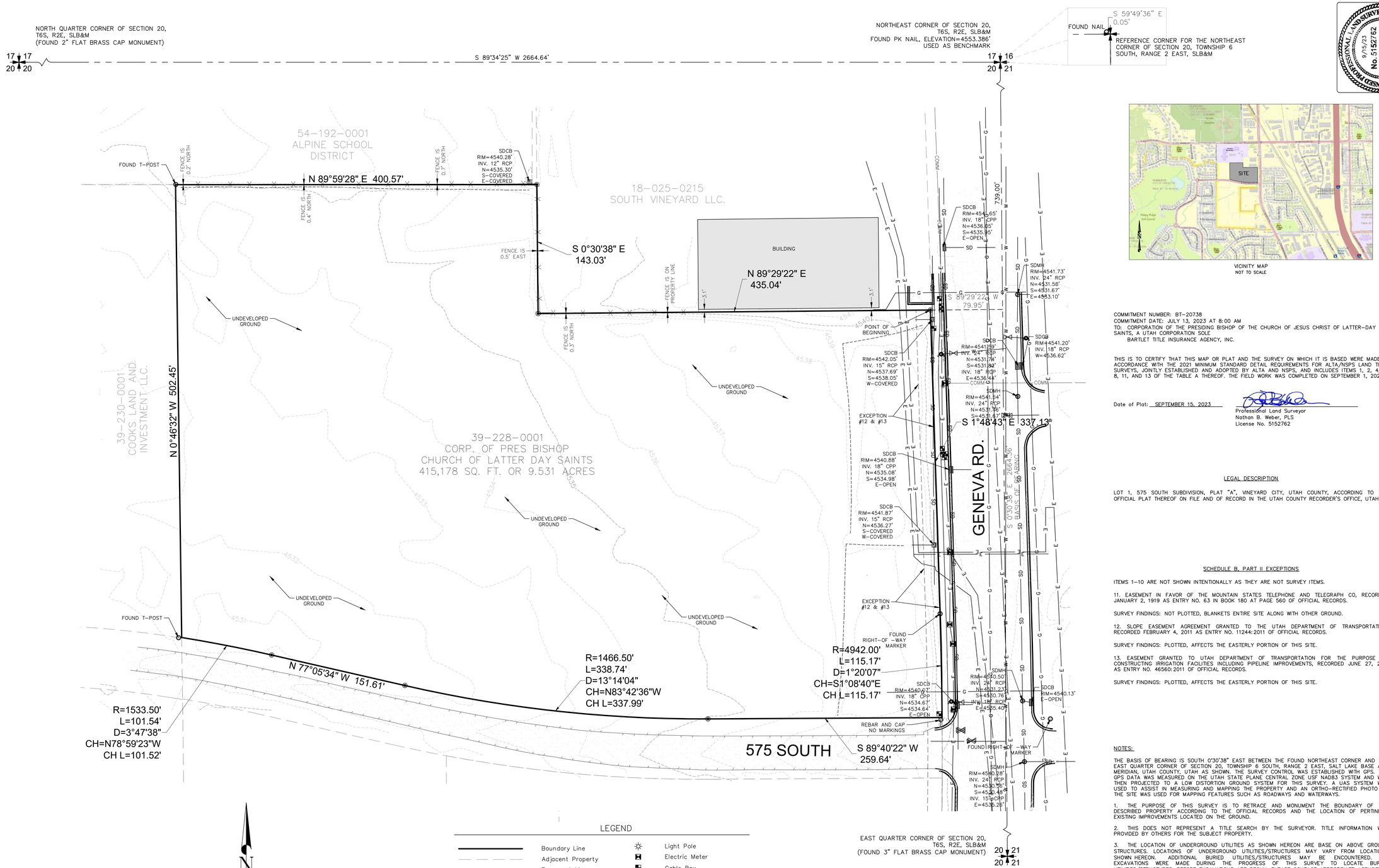
Owner #: 502-2004
Plan Series: G300-MH-11
County Parcel: 39-228-0001
BHD #: 2346
Date: 15 Aug 2024

Drawing Issue and Revision Schedule

#	Date	Description

DOOR AND WINDOW DETAILS

A604



VICINITY MAP
NOT TO SCALE

COMMITMENT NUMBER: BT-20738
COMMITMENT DATE: JULY 13, 2023 AT 8:00 AM
TO: CORPORATION OF THE PRESIDING BISHOP OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, A UTAH CORPORATION SOLE
BARTLET TITLE INSURANCE AGENCY, INC.

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 4, 5, 8, 11, AND 13 OF THE TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON SEPTEMBER 1, 2023.

Date of Plat: SEPTEMBER 15, 2023

Professional Land Surveyor
Nathan B. Weber, PLS
License No. 5152762

LEGAL DESCRIPTION

LOT 1, 575 SOUTH SUBDIVISION, PLAT "A", VINEYARD CITY, UTAH COUNTY, ACCORDING TO THE OFFICIAL PLAT THEREOF ON FILE AND OF RECORD IN THE UTAH COUNTY RECORDER'S OFFICE, UTAH.

SCHEDULE B, PART II EXCEPTIONS

ITEMS 1-10 ARE NOT SHOWN INTENTIONALLY AS THEY ARE NOT SURVEY ITEMS.

11. EASEMENT IN FAVOR OF THE MOUNTAIN STATES TELEPHONE AND TELEGRAPH CO, RECORDED JANUARY 2, 1919 AS ENTRY NO. 63 IN BOOK 180 AT PAGE 560 OF OFFICIAL RECORDS.

SURVEY FINDINGS: NOT PLOTTED, BLANKETS ENTIRE SITE ALONG WITH OTHER GROUND.

12. SLOPE EASEMENT AGREEMENT GRANTED TO THE UTAH DEPARTMENT OF TRANSPORTATION, RECORDED FEBRUARY 4, 2011 AS ENTRY NO. 11244:2011 OF OFFICIAL RECORDS.

SURVEY FINDINGS: PLOTTED, AFFECTS THE EASTERLY PORTION OF THIS SITE.

13. EASEMENT GRANTED TO UTAH DEPARTMENT OF TRANSPORTATION FOR THE PURPOSE OF CONSTRUCTING IRRIGATION FACILITIES INCLUDING PIPELINE IMPROVEMENTS, RECORDED JUNE 27, 2011 AS ENTRY NO. 46560:2011 OF OFFICIAL RECORDS.

SURVEY FINDINGS: PLOTTED, AFFECTS THE EASTERLY PORTION OF THIS SITE.

NOTES:

THE BASIS OF BEARING IS SOUTH 0°30'38" EAST BETWEEN THE FOUND NORTHEAST CORNER AND THE EAST QUARTER CORNER OF SECTION 20, TOWNSHIP 6 SOUTH, RANGE 2 EAST, SALT LAKE BASE AND MERIDIAN, UTAH COUNTY, UTAH AS SHOWN. THE SURVEY CONTROL WAS ESTABLISHED WITH GPS. THE GPS DATA WAS MEASURED ON THE UTAH STATE PLANE CENTRAL ZONE USF NAD83 SYSTEM AND WAS THEN PROJECTED TO A LOW DISTORTION GROUND SYSTEM FOR THIS SURVEY. A UAS SYSTEM WAS USED TO ASSIST IN MEASURING AND MAPPING THE PROPERTY AND AN ORTHO-RECTIFIED PHOTO OF THE SITE WAS USED FOR MAPPING FEATURES SUCH AS ROADWAYS AND WATERWAYS.

1. THE PURPOSE OF THIS SURVEY IS TO RETRACE AND MONUMENT THE BOUNDARY OF THE DESCRIBED PROPERTY ACCORDING TO THE OFFICIAL RECORDS AND THE LOCATION OF PERTINENT EXISTING IMPROVEMENTS LOCATED ON THE GROUND.

2. THIS DOES NOT REPRESENT A TITLE SEARCH BY THE SURVEYOR. TITLE INFORMATION WAS PROVIDED BY OTHERS FOR THE SUBJECT PROPERTY.

3. THE LOCATION OF UNDERGROUND UTILITIES AS SHOWN HEREON ARE BASE ON ABOVE GROUND STRUCTURES. LOCATIONS OF UNDERGROUND UTILITIES/STRUCTURES MAY VARY FROM LOCATIONS SHOWN HEREON. ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED. NO EXCAVATIONS WERE MADE DURING THE PROGRESS OF THIS SURVEY TO LOCATE BURIED UTILITIES/STRUCTURES. BEFORE EXCAVATIONS ARE BEGUN, PLEASE CONTACT APPROPRIATE AGENCIES.

4. THE PURPORTED ADDRESS FOR THIS SITE IS 750 EAST 575 SOUTH, VINEYARD, UTAH 84057 BASED ON DOCUMENTATION PROVIDED AT THE TIME OF THE SURVEY.

LEGEND

- Boundary Line
- Adjacent Property
- Easement Line
- Tie Line
- Section Line
- Fence Line
- Edge Of Asphalt
- Gas Line
- Storm Drain Line
- Water Line
- Asphalt
- Building
- Light Pole
- Electric Meter
- Cable Box
- Water Valve
- Fire Hydrant
- Storm Inlet (Square)
- Catch Basin
- Storm Drain Manhole
- Property Corner
- Found Property Corner
- Section Corner Monument

GRAPHIC SCALE
50 0 25 50 100
1" (INCH) = 50 ' (FEET)

DIAMOND LAND SURVEYING
6891 South 700 West Ste. 150
Midvale, Utah 84047
Phone (801) 266-5099 Fax (801) 266-5032
office@diamondlandsurveying.com
www.diamondlandsurveying.com

Boundary Surveys
Topography Surveys
Subdivisions
Construction Staking
A.L.T.A. & A.C.S.M. Surveys

LOCATED IN THE NORTHEAST QUARTER OF SECTION 20, TOWNSHIP 6 SOUTH, RANGE 2 EAST, SALT LAKE BASE AND MERIDIAN

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THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 540 South Geneva Road
Vineyard, Utah 84059

BHD #: 2346
County Parcel: 39-228:0001
Plan Series: G300-MH-11
Owner #: 502-2004
Date: 15 Aug 2024

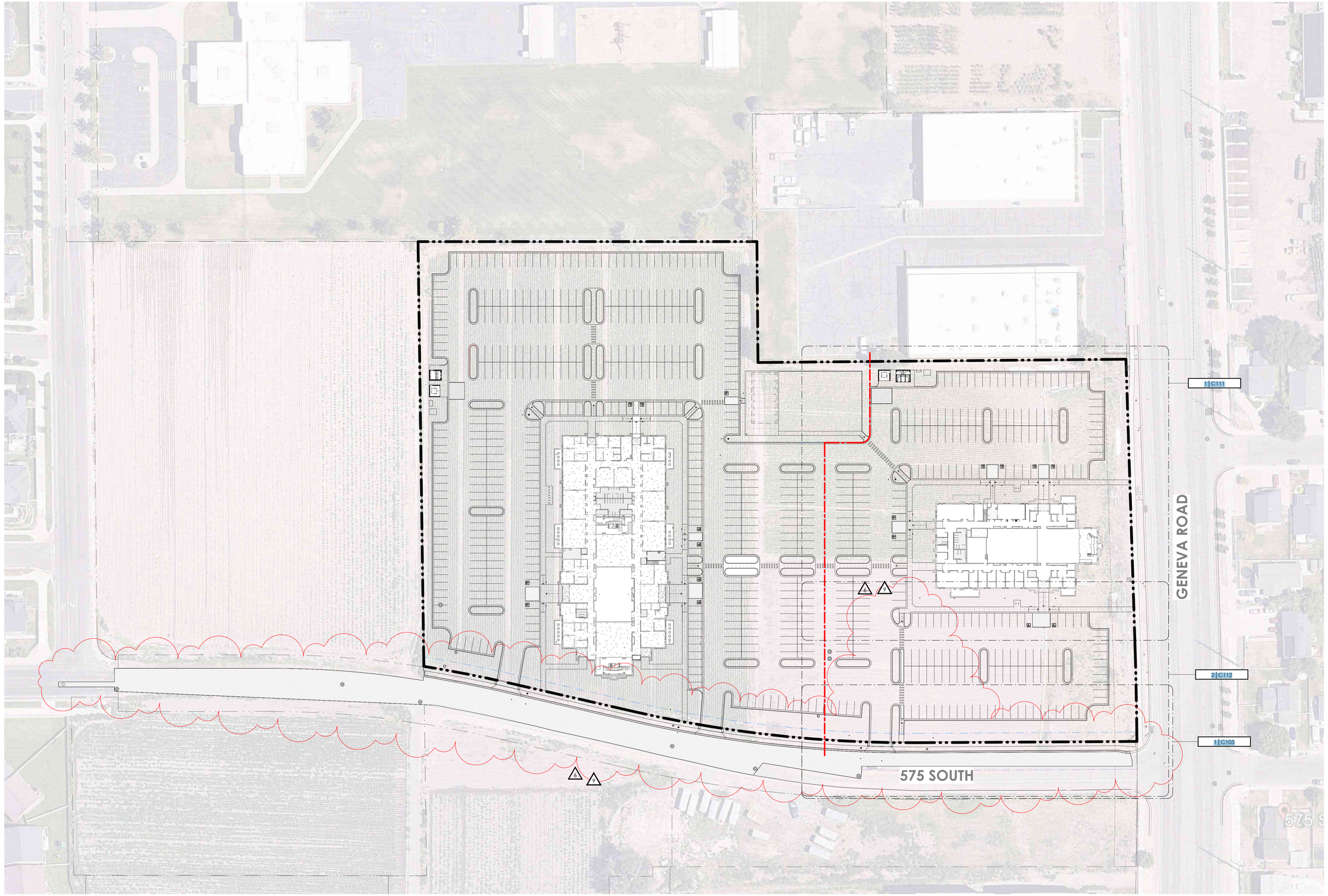
Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

Site Survey

C101

Printed: 12 Aug 2024 12:39 PM



1 Site Key Plan

Scale: 1" = 50'-0"

0' 25' 50' 100' 200'

W N E S

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LICENSED ARCHITECT
Lafe Theodore Harris
18 Jun 2025
6372879-0301
STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

Date:	15 Aug 2024	**BHD #:**	2346
County Parcel:	39-228-0001	**Plan Series:**	G300-MH-11
Owner #:	502-2004		

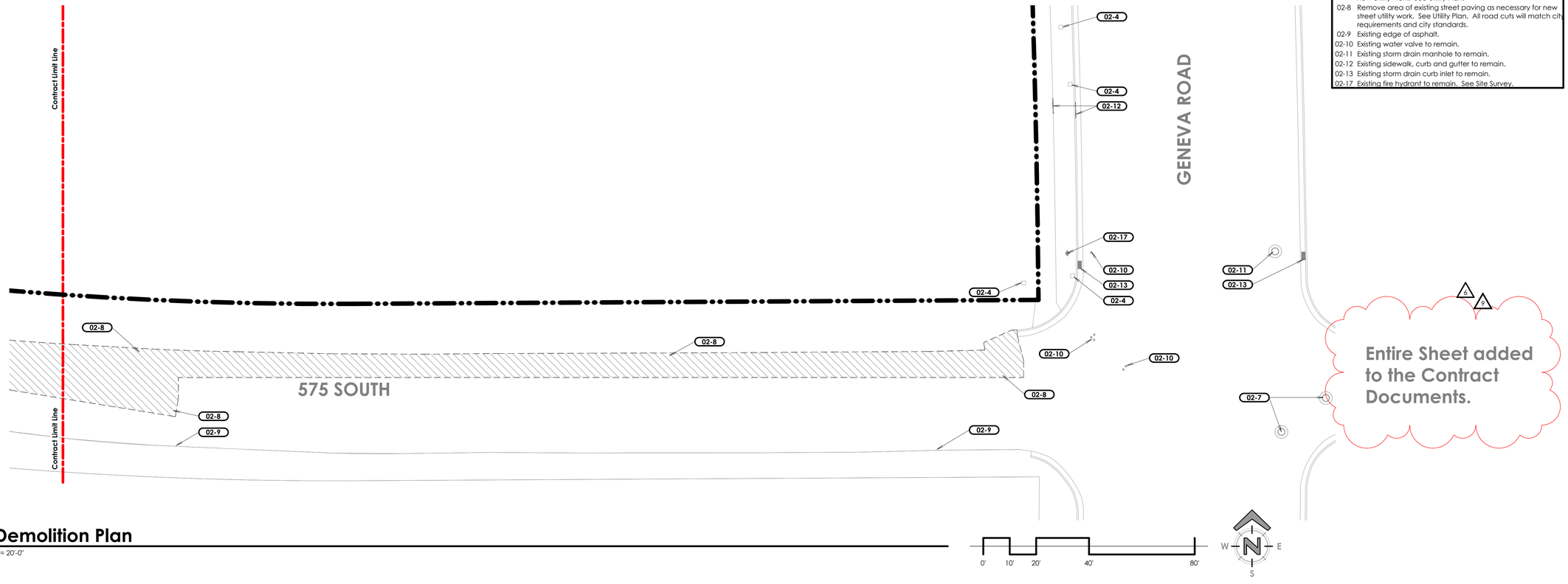
Drawing Issue and Revision Schedule

#	Date	Description
6	18 Jun 2025	Site Plan Review Responses
1	15 Aug 2024	Bid Documents

Site Key Plan

C102

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1 Site Demolition Plan

Scale: 1" = 20'-0"

General Notes

A. The contractor shall verify all existing site conditions prior to bidding. Coordinate all work affecting adjacent properties with the respective property owners prior to any demolition or construction work. Repair and replace all existing items on adjacent properties damaged or affected during construction to the satisfaction of the property owner.
B. Refer to ConsLog for Information Available to Bidders, including the geotechnical report. Please note that the geotechnical report found groundwater at relatively shallow depths. The Contractor will be responsible for all required shoring, stabilization, and dewatering required for construction.
C. The Contractor shall enclose the entire area of work with a temporary fence and maintain a safe pedestrian route along the rights of way adjacent to the site throughout construction.

Keyed Notes

02-4 Existing utility equipment to remain.
02-7 Existing sewer manhole to remain. Modify as necessary for new utility work. See Utility Plan.
02-8 Remove area of existing street paving as necessary for new street utility work. See Utility Plan. All road cuts will match city requirements and city standards.
02-9 Existing edge of asphalt.
02-10 Existing water valve to remain.
02-11 Existing storm drain manhole to remain.
02-12 Existing sidewalk, curb and gutter to remain.
02-13 Existing storm drain curb inlet to remain.
02-17 Existing fire hydrant to remain. See Site Survey.

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LICENSED ARCHITECT Late Theodore Harris 18 Jun 2025 6878-0301 STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

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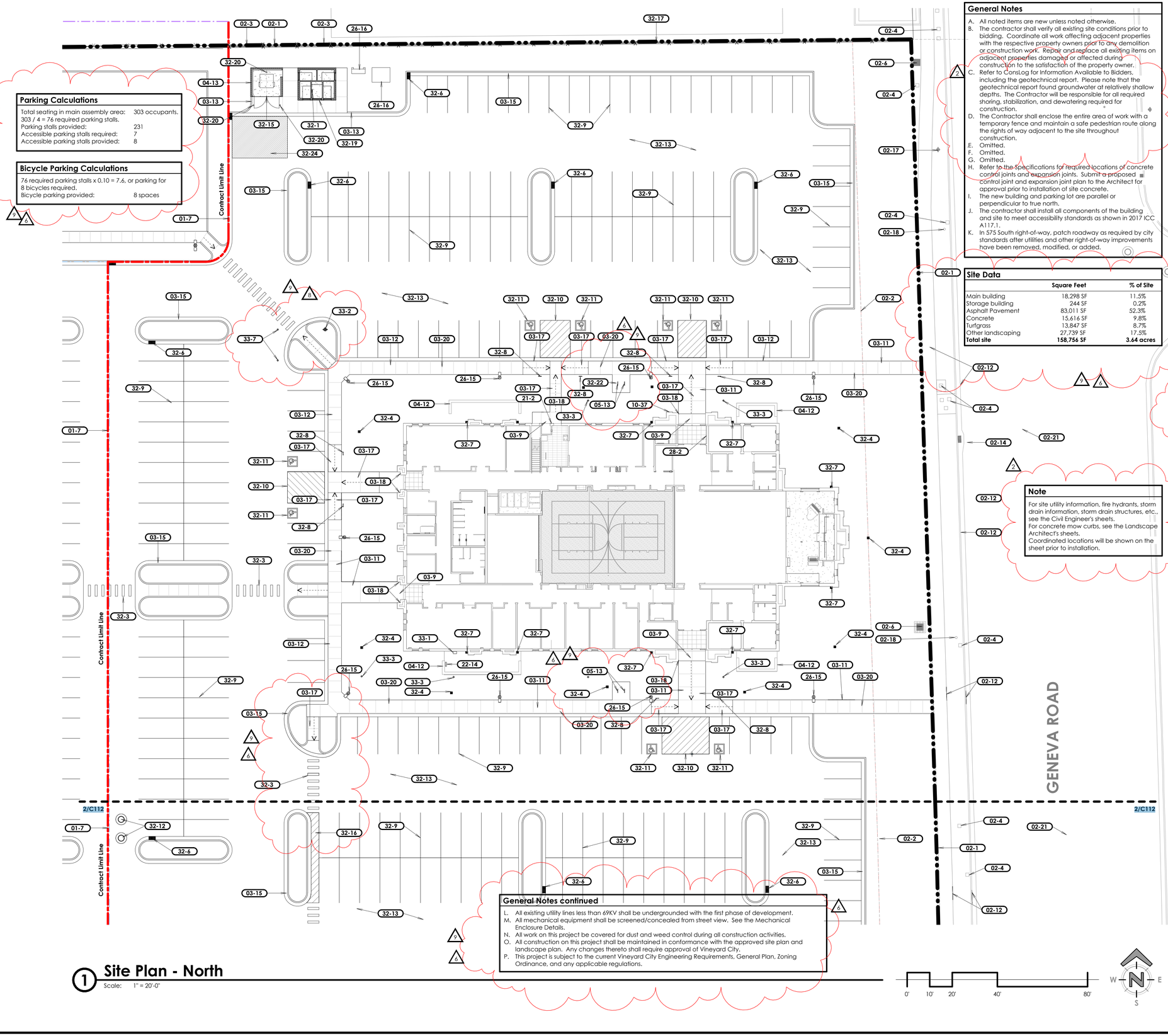
Drawing Issue and Revision Schedule

#	Date	Description
9	22 Dec 2025	ASI #2
8	15 Aug 2025	LDP Review Response
7	13 Aug 2025	Building Permit App
6	18 Jun 2025	Site Plan Review Responses
5	3 Apr 2025	ASI #1
4	3 Sep 2024	Addendum #3
3	30 Aug 2024	Addendum #2
2	27 Aug 2024	Addendum #1
1	15 Aug 2024	Bid Documents

Site Demolition Plan

C105

Printed 7/2/2025 4:57:43 PM



1 Site Plan - North

Scale: 1" = 20'-0"

General Notes

A. All noted items are new unless noted otherwise.
B. The contractor shall verify all existing site conditions prior to bidding. Coordinate all work affecting adjacent properties with the respective property owners prior to any demolition or construction work. Repair and replace all existing items on adjacent properties damaged or affected during construction to the satisfaction of the property owner.
C. Refer to ConsLog for Information Available to Bidders, including the geotechnical report. Please note that the geotechnical report found groundwater at relatively shallow depths. The Contractor will be responsible for all required shoring, stabilization, and dewatering required for construction.
D. The Contractor shall enclose the entire area of work with a temporary fence and maintain a safe pedestrian route along the rights of way adjacent to the site throughout construction.
E. Omitted.
F. Omitted.
G. Omitted.
H. Refer to the Specifications for required locations of concrete control joints and expansion joints. Submit a proposed control joint and expansion joint plan to the Architect for approval prior to installation of site concrete.
I. The new building and parking lot are parallel or perpendicular to true north.
J. The contractor shall install all components of the building and site to meet accessibility standards as shown in 2017 ICC A117.1.
K. In 575 South right-of-way, patch roadway as required by city standards after utilities and other right-of-way improvements have been removed, modified, or added.

Site Data

	Square Feet	% of Site
Main building	18,298 SF	11.5%
Storage building	244 SF	0.2%
Asphalt Pavement	83,011 SF	52.3%
Concrete	15,616 SF	9.8%
Turfgrass	13,847 SF	8.7%
Other landscaping	27,739 SF	17.5%
Total site	**158,756 SF**	**3.64 acres**

Note

For site utility information, fire hydrants, storm drain information, storm drain structures, etc., see the Civil Engineer's sheets.
For concrete mow curbs, see the Landscape Architect's sheets.
Coordinated locations will be shown on the sheet prior to installation.

Overexcavation and Fill Notes

A. For Overexcavation and Fill Detail, see F/C503.
B. Remove all unconsolidated fill and deleterious materials from the entire site prior to construction. Remove and stockpile topsoil as necessary for landscaped areas. For depth and locations of topsoil, see the Landscape Sheets and Specification Sections.
C. In the area of the building and mechanical enclosures:
   a. Overexcavate the entire footprint and 60" beyond at a 1:1 slope to the elevation as noted on F/C503.
   b. Install imported structural fill up to the bottom of footing level.
   c. Install imported structural fill up to the base course under the building slab.
D. At the storage building:
   a. Excavate the entire footprint of the storage building to an elevation 1 foot below the bottom of footings.
   b. Install imported structural fill up to the bottom of footing level.
   c. Install structural fill up to the base course under the storage building slab.
E. At the dumpster enclosure:
   a. Excavate the entire footprint of the dumpster enclosure to an elevation 1 foot below the bottom of footings.
   b. Install imported structural fill up to the bottom of footing level.
   c. Install structural fill to raise the grade to the base course under the dumpster slab and pad. See the Site Details for base course and concrete slab thickness.
F. At a 20 foot x 15 foot area in front of the dumpster (as shown on the Site Architectural Plans), install (2) 3" layers of asphalt with a 14" minimum base.
G. Install 8" crushed rock base beneath sidewalks at building entries, full width of sidewalk and full length of sidewalk from the building to the perimeter sidewalk.
H. All crushed rock base shall be 3/4" and shall be compacted by procedural compaction.
I. At sidewalks and all site concrete pads and elements:
   a. Overexcavate as noted in Item B. above.
   b. Install subbase up to the base level.
   c. Install 4" aggregate base below all site concrete elements, pads, and sidewalks. See site details.
J. At asphalt paving:
   a. Overexcavate as noted in Item B. above.
   b. Install subbase up to the base level.
   c. Install 3" asphalt paving over 9" base over entire parking lot (excluding the area in front of the dumpster enclosure).
K. All structural fill shall be imported.
L. Install imported structural fill full depth at all utility trenches.
M. All topsoil shall be imported. Provide topsoil tests and amendments as required by the Landscape Sheets and Specifications. Areas of landscaping without planting may have existing topsoil used as fill and may have existing topsoil left in place where compatible with finished grades.
N. All compacted soils shall be density tested.
O. On-site native soils may be used as fill only in landscape areas.
P. For the purposes of bidding, assume no unconsolidated fill or deleterious materials other than grubbing and typical removal of organics, etc., beyond that noted in the geotechnical report. A further geotechnical investigation will be completed shortly and the contract adjusted as necessary for its findings.

Keyed Notes

01-7 Contract limit line. All work shown on the other side of the contract limit line is not in this project's scope of work and is shown for reference only. Coordinate all work at the contract limit line with the other project's contractors. Refer to the other site sheets for specific requirements for items that extend past the contract limit line.
02-1 Existing property line. See survey.
02-2 Existing utility easement. See survey and site utility plan.
02-3 Remove existing perimeter fence in preparation for new perimeter fence. See Site Architectural Plan. Coordinate with adjacent paving, fences which tie into this fence, etc. Repair adjacent items to remain as necessary to tie into new fence and mow strip.
02-4 Existing utility equipment to remain.
02-6 Existing irrigation box to remain.
02-12 Existing sidewalk, curb and gutter to remain.
02-14 Existing storm drain catch basin or structure to remain.
02-17 Existing fire hydrant to remain. See Site Survey.
02-18 Existing light pole to remain.
02-21 Existing street paving to remain. See Site Survey.
03-9 Building landing. 2% slope maximum.
03-11 New concrete sidewalk. See A & H/C501. Typical.
03-12 New integral sidewalk, curb, and gutter. See B/C501. See Grading and Drainage Plan for infall / outfall of gutter.
03-13 Transition height of curb from full height to even with sidewalk and gutter in 5'-0". See E/C501.
03-15 New concrete curb & gutter - typical. See typical details C501 & infall outfall notation on the Grading & Drainage Site Plans.
03-17 Sloped section of concrete sidewalk at <5% slope. See grading plan for exact slope.
03-18 Align sidewalk with building foundation wall.
03-20 New control joint in concrete flatwork. See H/C501.
04-12 Mechanical enclosure wall. See C and D/C504 and Structural Sheets.
04-13 Dumpster enclosure wall. See 1/C503 and Structural Sheets.
05-13 New stainless steel bike rack. See L/C501.
10-37 New knox box 3200 series recessed in brick (verify type and location with fire department).
21-2 Fire department connection with locking knox plugs. Coordinate model with Fire Department requirements.
22-14 Natural Gas Meter. See Plumbing Sheets.
26-15 New pole light and concrete base. See D/C503 and electrical sheets.
26-16 New concrete transformer pad and CT can per power company requirements. See Electrical Sheets.
28-2 Fire alarm control panel location. See A101 and electrical sheets.
32-1 New irrigation controller. See landscape sheets.
32-3 New painted crosswalk.
32-4 New Nyloplast area drain or yard drain box. See C/C502 and Grading and Drainage Plan.
32-6 New curb inlet box. See Site Details and Grading and Drainage Plan.
32-7 New roof drain box at downspout. See utility sheets and C/C502. Typical.
32-8 New accessible parking sign. See A/C502.
32-9 New painted parking lines. Parking lines shall be 4" wide reflective white paint centered on top. Typical.
32-10 New accessible parking access aisle. Paint lines shall be 4" wide reflective white, at a 45Â° angle, and have 2'-0" spacing.
32-11 New blue & white painted accessible parking symbol.
32-12 New storm drain structure. See Grading and Drainage Plan.
32-13 New asphalt paving - typical. See F/C501 and overexcavation and fill notes.
32-15 6'-0" tall steel dumpster gates. See 1/C503.
32-16 Painted out "no parking" area. Paint lines shall be 4" wide reflective white, at a 45Â° angle, and have 2'-0" spacing.
32-17 New 6'-0" vinyl privacy fence with 12' x 12' mow strip. See E/C503.
32-19 New storage building. See C801.
32-20 New bollard. See B/C502.
32-22 Coordinate bike rack pad, bike rack post foundations, and location of sewer cleanout to avoid conflicts. See the Utility Plan.
32-24 (2) 3" layers of asphalt over 14" aggregate base in shaded area.
33-1 New gas meter per utility company requirements. See utility plan and plumbing sheets.
33-2 New fire hydrant and valve per city standards. See civil sheets.
33-3 Sewer cleanout. See civil sheets.
33-7 New water valve per city standards. See Utility Plan.

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LICENSED ARCHITECT Lafe Theodore Harris 15 Aug 2025 6899-0301 STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

785 East 575 South
Vineyard, Utah 84059

Date:	15 Aug 2024
BHD #:	2346
County Parcel:	39:228:0001
Plan Series:	C300-MH-11
Owner #:	502-2004

Drawing Issue and Revision Schedule

#	Date	Description
9	22 Dec 2025	ASI #2
8	15 Aug 2025	LDP Review Response
7	13 Aug 2025	Building Permit App
6	18 Jun 2025	Site Plan Review Responses
5	3 Apr 2025	ASI #1
4	3 Sep 2024	Addendum #3
3	30 Aug 2024	Addendum #2
2	27 Aug 2024	Addendum #1
1	15 Aug 2024	Bid Documents

Site Plan - North

C111

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General Notes continued

L. All existing utility lines less than 69KV shall be undergrounded with the first phase of development.
M. All mechanical equipment shall be screened/concealed from street view. See the Mechanical Enclosure Details.
N. All work on this project be covered for dust and weed control during all construction activities.
O. All construction on this project shall be maintained in conformance with the approved site plan and landscape plan. Any changes thereto shall require approval of Vineyard City.
P. This project is subject to the current Vineyard City Engineering Requirements, General Plan, Zoning Ordinance, and any applicable regulations.

Parking Calculations

Total seating in main assembly area:	303 occupants.
303 / 4 = 76 required parking stalls.	
Parking stalls provided:	231
Accessible parking stalls required:	7
Accessible parking stalls provided:	8

Bicycle Parking Calculations

76 required parking stalls x 0.10 = 7.6, or parking for 8 bicycles required.
Bicycle parking provided: 8 spaces

General Notes

A. All noted items are new unless noted otherwise.
B. The contractor shall verify all existing site conditions prior to bidding. Coordinate all work affecting adjacent properties with the respective property owners prior to any demolition or construction work. Repair and replace all existing items on adjacent properties damaged or affected during construction to the satisfaction of the property owner.
C. Refer to Conlog for Information Available to Bidders, including the geotechnical report. Please note that the geotechnical report found groundwater at relatively shallow depths. The Contractor will be responsible for all required shoring, stabilization, and dewatering required for construction.
D. The Contractor shall enclose the entire area of work with a temporary fence and maintain a safe pedestrian route along the rights of way adjacent to the site throughout construction.
E. Omitted.
F. Omitted.
G. Omitted.
H. Refer to the Specifications for required locations of concrete control joints and expansion joints. Submit a proposed control joint and expansion joint plan to the Architect for approval prior to installation of site concrete.
I. The new building and parking lot are parallel or perpendicular to true north.
J. The contractor shall install all components of the building and site to meet accessibility standards as shown in 2017 ICC A117.1.
K. In 575 South right-of-way, patch roadway as required by city standards after utilities and other right-of-way improvements have been removed, modified, or added.

Note

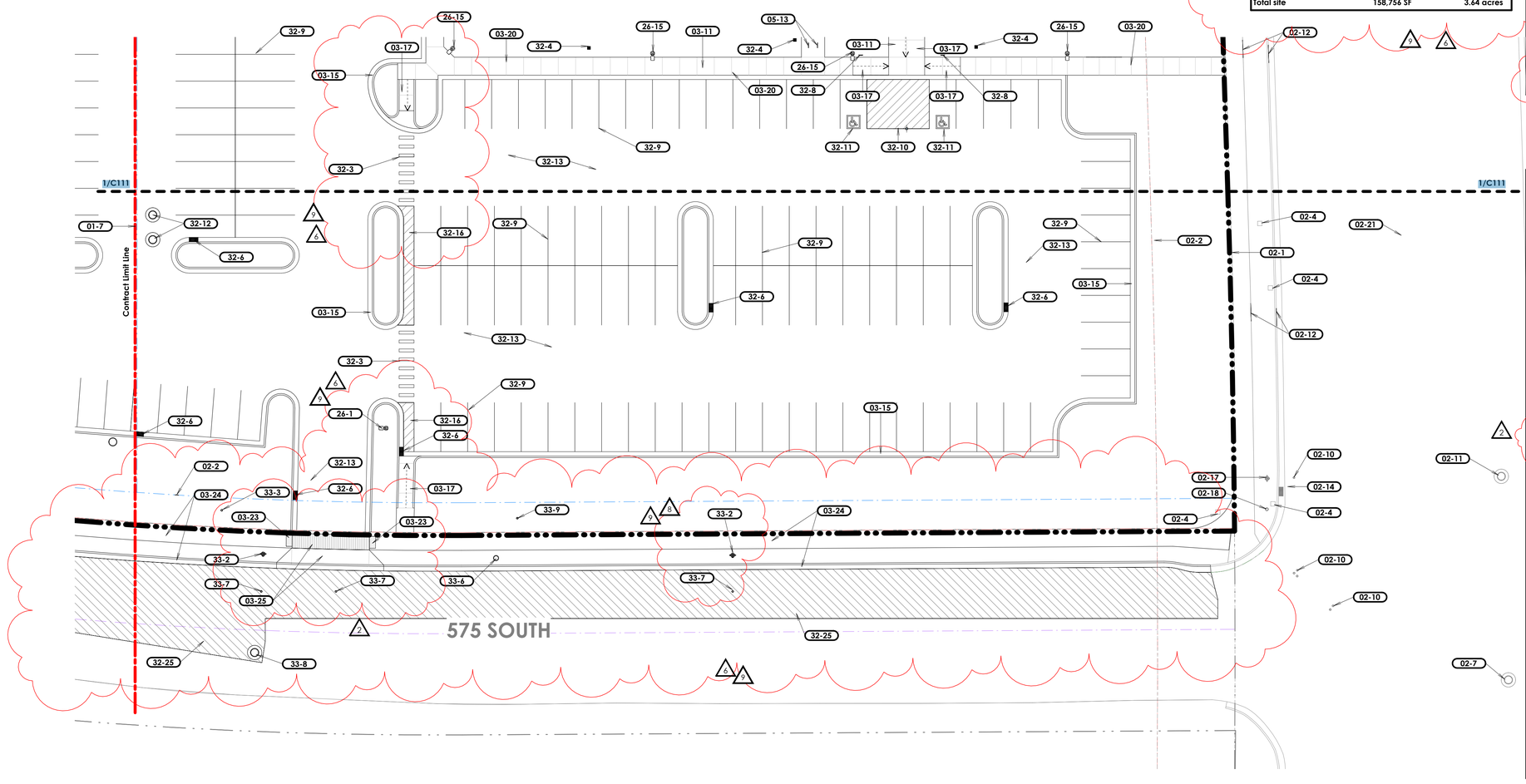
For site utility information, fire hydrants, storm drain information, storm drain structures, etc., see the Civil Engineer's sheets.
For concrete mow curbs, see the Landscape Architect's sheets.
Coordinated locations will be shown on the sheet prior to installation.

Site Data

	Square Feet	% of Site
Main building	18,298 SF	11.5%
Storage building	244 SF	0.2%
Asphalt Pavement	83,011 SF	52.3%
Concrete	15,616 SF	9.8%
Turfgrass	13,847 SF	8.7%
Other landscaping	27,739 SF	17.5%
Total site	**158,756 SF**	**3.64 acres**

Overexcavation and Fill Notes

A. For Overexcavation and Fill Detail, see F/C503.
B. Remove all unconsolidated fill and deleterious materials from the entire site prior to construction. Remove and stockpile topsoil as necessary for landscaped areas. For depth and locations of topsoil, see the Landscape Sheets and Specification Sections.
C. In the area of the building and mechanical enclosures:
   a. Overexcavate the entire footprint and 60" beyond at a 1:1 slope to the elevation as noted on F/C503.
   b. Install imported structural fill up to the bottom of footing level.
   c. Install imported structural fill up to the base course under the building slab.
D. At the storage building:
   a. Excavate the entire footprint of the storage building to an elevation 1 foot below the bottom of footings.
   b. Install imported structural fill up to the bottom of footing level.
   c. Install structural fill up to the base course under the storage building slab.
E. At the dumpster enclosure:
   a. Excavate the entire footprint of the dumpster enclosure to an elevation 1 foot below the bottom of footings.
   b. Install imported structural fill up to the bottom of footing level.
   c. Install structural fill to raise the grade to the base course under the dumpster slab and pad. See the Site Details for base course and concrete slab thickness.
F. At a 20 foot x 15 foot area in front of the dumpster [as shown on the Site Architectural Plans], install (2) 3" layers of asphalt with a 14" minimum base.
G. Install 8" crushed rock base beneath sidewalks at building entries, full width of sidewalk and full length of sidewalk from the building to the perimeter sidewalk.
H. All crushed rock base shall be 3/4" and shall be compacted by procedural compaction.
I. At sidewalks and all site concrete pads and elements:
   a. Overexcavate as noted in Item B. above.
   b. Install subbase up to the base level.
   c. Install 4" aggregate base below all site concrete elements, pads, and sidewalks. See site details.
J. At asphalt paving:
   a. Overexcavate as noted in Item B. above.
   b. Install subbase up to the base level.
   c. Install 3" asphalt paving over 9" base over entire parking lot (excluding the area in front of the dumpster enclosure).
K. All structural fill shall be imported.
L. Install imported structural fill full depth at all utility trenches.
M. All topsoil shall be imported. Provide topsoil tests and amendments as required by the Landscape Sheets and Specifications. Areas of landscaping without planting may have existing topsoil used as fill and may have existing topsoil left in place where compatible with finished grades."
N. All compacted soils shall be density tested.
O. On-site native soils may be used as fill only in landscape areas.
P. For the purposes of bidding, assume no unconsolidated fill or deleterious materials other than grubbing and typical removal of organics, etc., beyond that noted in the geotechnical report. A further geotechnical investigation will be completed shortly and the contract adjusted as necessary for its findings.



Keyed Notes

01-7 Contract limit line. All work shown on the other side of the contract limit line is not in this projectâ€™s scope of work and is shown for reference only. Coordinate all work at the contract limit line with the other projectâ€™s contractors. Refer to the other site sheets for specific requirements for items that extend past the contract limit line.
02-1 Existing property line. See survey.
02-2 Existing utility easement. See survey and site utility plan.
02-4 Existing utility equipment to remain.
02-7 Existing sewer manhole to remain. Modify as necessary for new utility work. See Utility Plan.
02-10 Existing water valve to remain.
02-11 Existing storm drain manhole to remain.
02-12 Existing sidewalk, curb and gutter to remain.
02-14 Existing storm drain catch basin or structure to remain.
02-17 Existing fire hydrant to remain. See Site Survey.
02-18 Existing light pole to remain.
02-21 Existing street paving to remain. See Site Survey.
03-11 New concrete sidewalk. See A & H/C501. Typical.
03-15 New concrete curb & gutter - typical. See typical details C501 & infall & outfall notation on the Grading & Drainage Site Plans.
03-17 Sloped section of concrete sidewalk at <5% slope. See grading plan for exact slope.
03-20 New control joint in concrete flatwork. See H/C501.
03-23 Detectable warning panel. Detectable warnings shall consist of a surface of truncated domes and shall comply with city standards.
03-24 Concrete curb, gutter, and sidewalk, and base, per city standards.
03-25 Concrete drive approach and base per city standards. Sidewalk concrete at all drive approaches shall be colored per city standards.
05-13 New stainless steel bike rack. See I/C501.
26-1 Electrical Receptacle. Refer to Electrical Drawings.
26-15 New pole light and concrete base. See D/C503 and electrical sheets.
32-3 New painted crosswalk.
32-4 New Nyloplast area drain or yard drain box. See C/C502 and Grading and Drainage Plan.
32-6 New curb inlet box. See Site Details and Grading and Drainage Plan.
32-8 New accessible parking sign. See A/C502.
32-9 New painted parking lines. Parking lines shall be 4" wide reflective white paint centered on top. Typical.
32-10 New accessible parking access aisle. Paint lines shall be 4" wide reflective white, at a 45Â° angle, and have 2'-0" spacing.
32-11 New blue & white painted accessible parking symbol.
32-12 New storm drain structure. See Grading and Drainage Plan.
32-13 New asphalt paving - typical. See F/C501 and overexcavation and fill notes.
32-16 Painted out "no parking" area. Paint lines shall be 4" wide reflective white, at a 45Â° angle, and have 2'-0" spacing.
32-25 New asphalt paving, striping, road base, and subgrade preparation per city standards. Sawcut and remove edge of existing asphalt paving per city standards.
33-2 New fire hydrant and valve per city standards. See civil sheets.
33-3 Sewer cleanout. See civil sheets.
33-6 New water meter per city standards. See Utility Plan.
33-7 New water valve per city standards. See Utility Plan.
33-8 New sewer manhole per city standards. See Utility Plan. Install 12" wide x 6" deep minimum concrete apron in asphalt paved areas.
33-9 Irrigation point of connection. See Irrigation Plan.

2 Site Plan - South

Scale: 1" = 20'-0"

0' 10' 20' 40' 80'

W N E S

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LICENSED ARCHITECT Lafe Theodore Harris 15 Aug 2025 6320899-0301 STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

785 East 575 South
Vineyard, Utah 84059

Owner #:	502-2004
Plan Series:	G300-MH-11
County Parcel:	39-228-0001
BHD #:	2346
Date:	15 Aug 2024

Drawing Issue and Revision Schedule

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8	15 Aug 2025	DP Review Response
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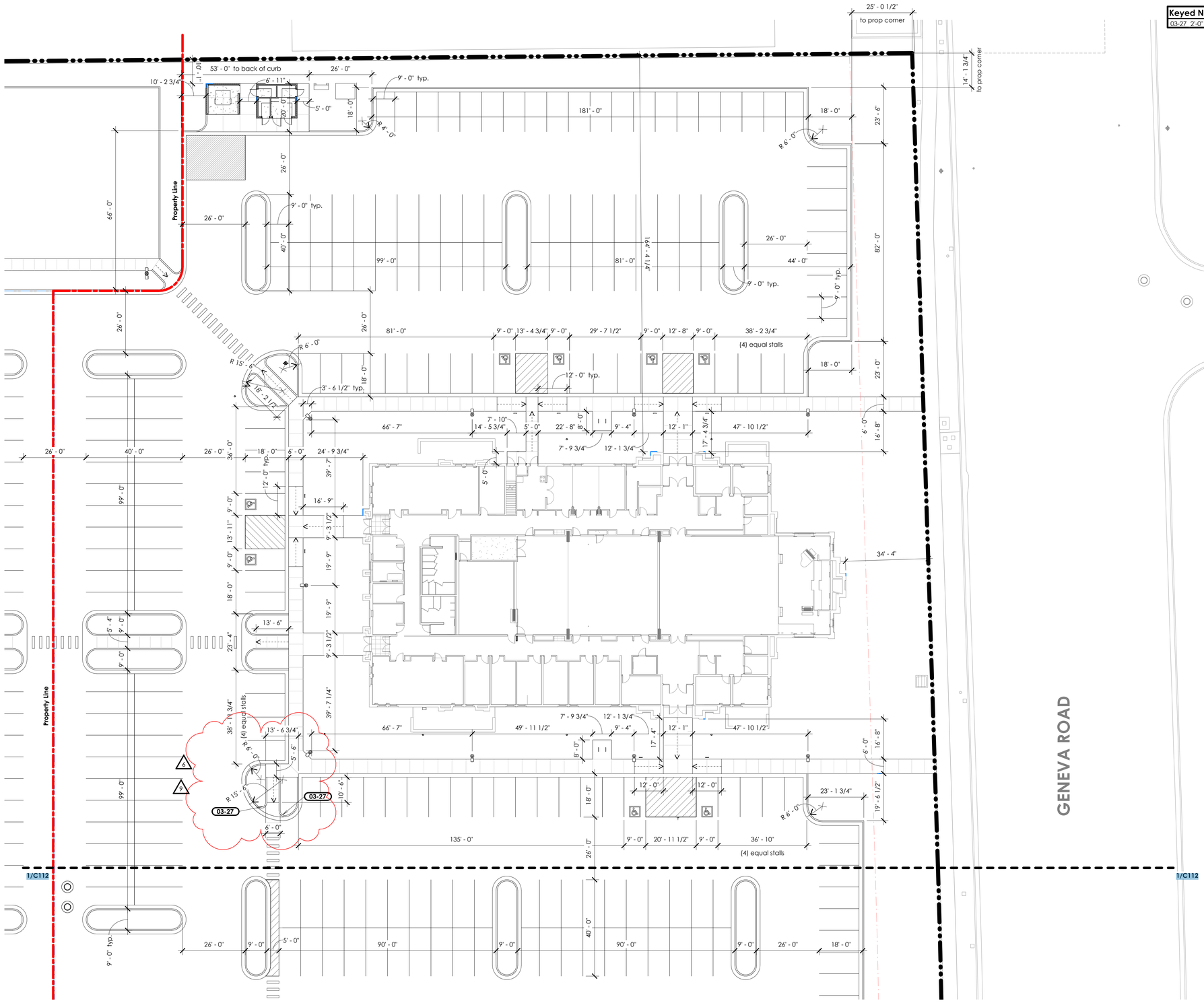
Site Plan - South

C112

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Keyed Notes

03-27 2'-0" inside radius.



1 Site Plan - North

Scale: 1" = 20'-0"

0' 10' 20' 40' 80'

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Lafe Theodore Harris
6879-0301
Dec 2025
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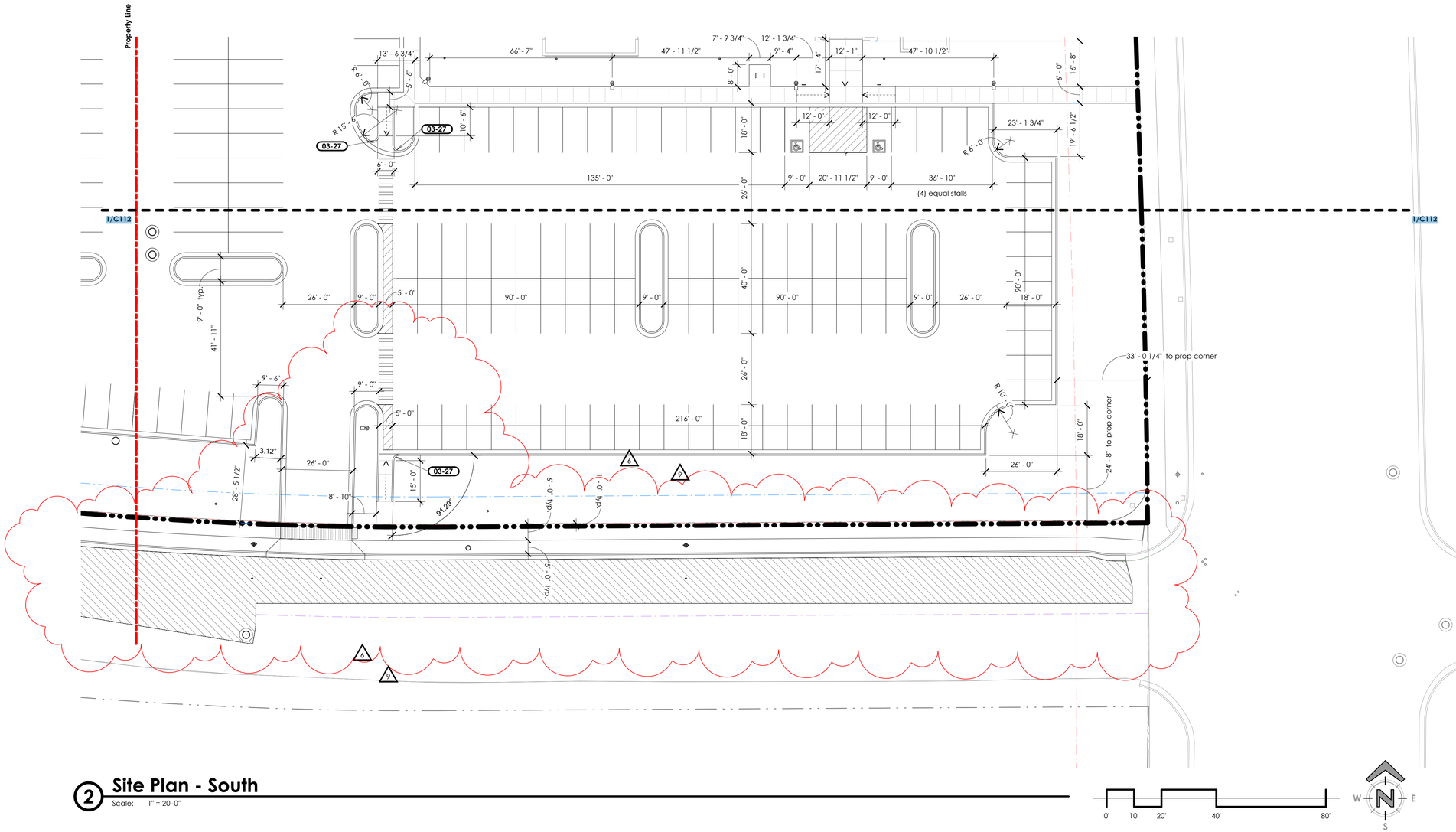
Site Dimension Plan - North

C113

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Keyed Notes

03-27 2'-0" inside radius.



2 Site Plan - South

Scale: 1" = 20'-0"

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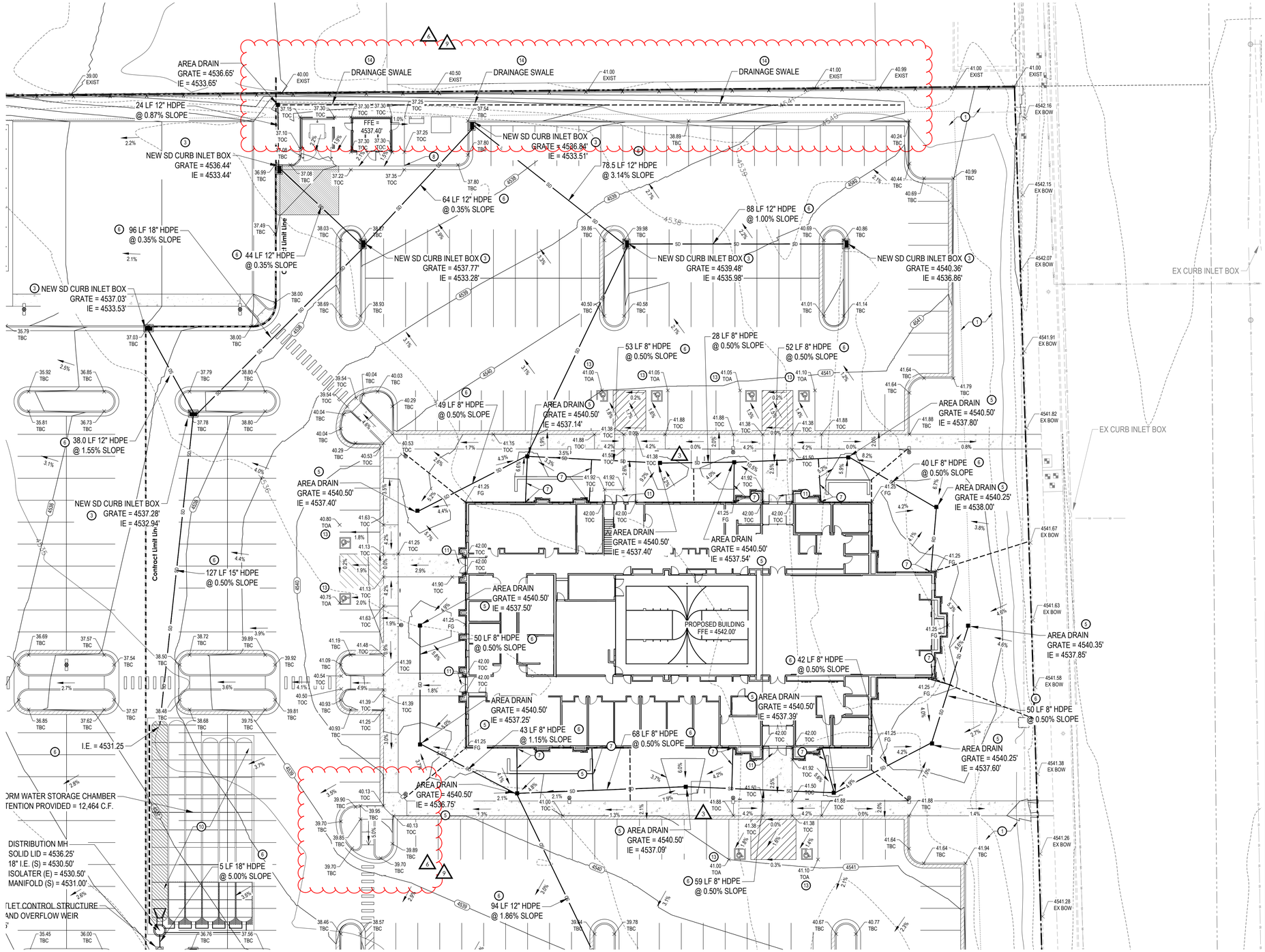
Date: 15 Aug 2024
BHD #: 2346
County Parcel: 39-228:0001
Plan Series: G300-MH-11
Owner #: 502-2004

Drawing Issue and Revision Schedule

#	Date	Description
9	22 Dec 2025	ASI #2
6	16 Jun 2025	Site Plan Review Responses
1	15 Aug 2024	Bid Documents

Site Dimension Plan - South

C114



NORTH

SCALE: 1" = 20'

0 10' 20' 40' 60'

GENERAL NOTES:

SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED REGISTERED SOILS ENGINEER, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED, HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS & SPECS.

THE CONTRACTOR IS TO USE BEST MANAGEMENT PRACTICES FOR PROVIDING EROSION CONTROL FOR CONSTRUCTION OF THIS PROJECT. SPECIFIC DETAILS SHOWN ON SHEET C111 SHALL BE USED IN COMBINATION WITH OTHER ACCEPTED LOCAL PRACTICES.

EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF THOSE UTILITIES SHOWN ON THESE PLANS OR INDICATED IN THE FIELD BY LOCATING SERVICES. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF CONTRACTOR'S FAILURE TO VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION IN THEIR VICINITY SHALL BE BORNE BY THE CONTRACTOR AND ASSUMED INCLUDED IN THE CONTRACT.

REFER TO OVER EXCAVATION AND FILL NOTES ON SHEET C111.

KEYED NOTES:

PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED AND THE DETAILS NOTED AND AS SHOWN ON THE CONSTRUCTION DRAWINGS:

1. GRADE SITE TO ELEVATIONS AND CONTOURS SHOWN ON PLAN.
2. 3' x 3' STORM DRAIN CATCH BASIN WITH HEAVY DUTY BICYCLE SAFE GRATE, PER STANDARD CHURCH DETAIL, SEE DETAIL 'H', SHEET C521
3. STORM DRAIN CURB INLET WITH HEAVY DUTY BICYCLE SAFE GRATE, PER STANDARD CHURCH DETAIL, SEE DETAIL 'M', SHEET C521
4. STORM DRAIN GUTTER INLET WITH NO HOOD, WITH HEAVY DUTY BICYCLE SAFE GRATE.
5. 12" SQUARE SECURABLE NYLOPLAST YARD DRAIN, SEE ARCHITECTURAL SITE DETAIL SHEETS FOR DETAILS.
6. STORM DRAIN PIPE PER VINEYARD CITY STANDARDS. SEE PLAN FOR LENGTH, SIZE, TYPE AND SLOPE. TRENCHING PER STANDARD CHURCH DETAIL, SEE DETAIL 'F', SHEET C531
7. DOWNSPOUT DRAIN BASIN AND 6" HDPE PIPE FROM DOWNSPOUT BASIN, SLOPE AT 0.50% MINIMUM FROM BASIN, SEE ARCHITECTURAL SITE DETAIL SHEETS FOR DETAILS.
8. TAPER LAST 5' OF CURB TO MATCH SIDEWALK HEIGHT, PER STANDARD CHURCH DETAIL, SEE DETAIL 'J', SHEET C531
9. STORM DRAIN CURB INLET BOX WITH SNOUT OIL/WATER SEPARATOR AND SUMP, PER OREM CITY STANDARD DETAIL 'SD-2', SHEET C531
10. STORMTECH MC-3500 CHAMBERS OR EQUIVALENT SYSTEM APPROVED PRIOR TO BIDDING. SYSTEM TO OUTLET CONTROL STRUCTURE AS SHOWN ON PLANS ALL PROVIDED BY THE CONTRACTOR. STORMTECH CHAMBER HAS DETENTION CAPACITY OF 12,464 C.F. TOTAL REQUIRED STORAGE = 12,109 C.F. SEE DETAIL 'N', SHEET C521; SHOP DRAWINGS PROVIDED BY MANUFACTURER PRIOR TO BIDDING AND CONSTRUCTION.
11. LANDING AREAS TO HAVE 2% MAXIMUM SLOPE AWAY FROM BUILDING
12. 4' x 4' OUTLET CONTROL STRUCTURE WITH ORIFICE AND OVERFLOW WEIR. SEE DETAIL 'A', SHEET C521 AND DETENTION CALCULATIONS. ORIFICE SIZE = 3.0" Ø
13. ADA PARKING STALL, TOA (TOP OF ASPHALT) SPOT GRADES ARE TO BE STAKED TO ENSURE SLOPE WITHIN ADA PARKING STALL REMAINS UNDER 2.0% MAX. SLOPE.
14. 5' WIDE DRAINAGE SWALE TO DIRECT WATER AS SHOWN AND NOT ONTO NEIGHBORS PROPERTY, SEE DETAIL 'K', SHEET C521
15. 2.0' CURB CUT TO ALLOW STORM WATER RUNOFF TO PASS TO THE LANDSCAPE AREA AND INFILTRATE AS AN L.I.D. MEASURE AS REQUIRED BY OREM CITY.

Mcneil Engineering
8610 S. Sandy Pkwy, Sandy, UT

STORM RUNOFF CALCULATION SHEET
Project No. 24510

Title: Orem Vineyard Springwater
Scope: Site Drainage Design
Detention Facilities
Engineer: DJC Check: DJC
Authority: Vineyard Rev. No.: 1

Design Philosophy:
The storm water runoff from the project site will sheet flow to a series of catch basins and inlet boxes where it will be collected and conveyed by an underground pipe system to underground detention storage chambers where the required runoff amount will be detained by means of a baffle wall causing the detained water to back up into the chambers while an orifice in the baffle wall sized per the calculations below will release water into the municipal storm drain system at a rate of 0.15 cfs/ac, as per the allowable rate.

Area Identification (A)		Runoff Coefficient (C)		(C*A)
Paved	98,627 sf	(2.26 ac)	0.85	= 83,340 sf
Roof Area	18,542 sf	(0.43 ac)	0.90	= 16,595 sf
Landscaped	41,586 sf	(0.95 ac)	0.12	= 4,990 sf
Total	158,755 sf	(3.64 ac)	0.66 (ave)	104,925 sf

Allowable Discharge Rate = 0.13 cfs/ac
Allowable Peak Discharge = 0.49 cfs

100-Year, 24-Hour Storm: Time (min)	Rate (in/hr)	Rainfall (inches)	Q in (cfs)	Add'l Q in (cfs)	Total Q in (cfs)	Q out (cfs)	Storage (cf)
5	4.19	0.521	15.19	0.00	15.19	0.49	4,409
10	3.18	0.792	11.54	0.00	11.54	0.49	6,832
15	2.63	0.982	9.54	0.00	9.54	0.49	8,147
30	1.77	1.315	6.39	0.00	6.39	0.49	10,619
60	1.09	1.610	3.91	0.00	3.91	0.49	**12,319**
120	0.61	1.770	2.15	0.00	2.15	0.49	11,960
180	0.43	1.830	1.48	0.00	1.48	0.49	10,727
360	0.24	1.960	0.79	0.00	0.79	0.49	6,589
720	0.14	2.280	0.46	0.00	0.46	0.46	0
1440	0.08	2.600	0.26	0.00	0.26	0.26	0

Storm Pipe Detention Provided:

Pipe Size	Length (LF)	Unit Storage (CF/LF)	Storage
6 in. Pipe	0	0.196	0 cf
8 in. Pipe	0	0.349	0 cf
12 in. Pipe	0	0.785	0 cf
18 in. Pipe	0	1.767	0 cf
Total Pipe Storage			**0 cf**

Storm Structure Detention Provided:

Amount	Box Length	Box Width	Av. Depth	←	Storage
0	0	0	0		0 cf
Total Structure Storage					**0 cf**

Storage Provided:

Pond	Area(sf)	Depth (ft)	Volume (cu. ft.)
Storage chambers			12464 cf
Parking Area			0 cf
Total Surface Storage			**12464 cf**

Total Detention Provided : 12,464 cf
Total Detention Required : 12,319 cf

Orifice Design:
The orifice is designed upon the following data:

Total acreage of development:	3.64 acres	
Allowable discharge:	0.49 cfs (0.13 cfs/ac)	
Max head (center orifice to hw):	5.02 ft	
Diameter for new orifice:	**3.0 inch**	← $Q = C_d A_o \sqrt{2gh}$

PROJECT NOTE:

CONTRACT FOR PROJECT ONLY GOES TO THE CONTRACT LIMIT LINE BUT ALL STORM DRAIN INFRASTRUCTURE SHOWN ON THIS PLAN IS TO BE INCLUDED IN THE PROJECT AS IT IS REQUIRED TO DRAIN THIS PROJECT.

LID STORM WATER NOTES:

AS PER STATE REQUIREMENT 80TH PERCENTILE STORM SHOULD BE RETAINED ON SITE AS L.I.D MEASURE. 80TH PERCENTILE STORM EQUATES TO 0.54" ACROSS THE SITE. PER CALCULATION THE FIRST 7,144 CF OF STORM WATER SHOULD BE RETAINED.

0.54" x 158,755 SQ FT = 7,144 CF

HOWEVER DUE TO HIGH GROUND WATER WHICH WAS ENCOUNTERED DURING THE GEOLOGICAL EVALUATION AS FOUND IN REPORT FROM GSH DATED AUGUST 2, 2024, GROUND WATER BEING FOUND AT A DEPTH OF 4.6' BELOW EXISTING GRADE IN ON OF THE BORE HOLES, WE ARE PROPOSING THAT THIS SITE BE DEVELOPED WITHOUT THE L.I.D. RETENTION REQUIREMENT AND INSTEAD ONLY REQUIRE THE 100 YR 24 HOUR STORM TO BE DETAINED ON SITE.

AVOID CUTTING UNDERGROUND UTILITIES. IT'S COSTLY.
Call BEFORE YOU Dig
1-800-662-4111

NOTICE!
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION, PROTECTION, AND RESTORATION OF ALL BURIED OR ABOVE GROUND UTILITIES, SHOWN OR NOT SHOWN ON THE PLANS.

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PROFESSIONAL ENGINEER
12-16-25
No. 14988925-2202
DANIEL J. CANNING
STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake
Approx. 540 South Geneva Road
Vineyard, Utah 84059

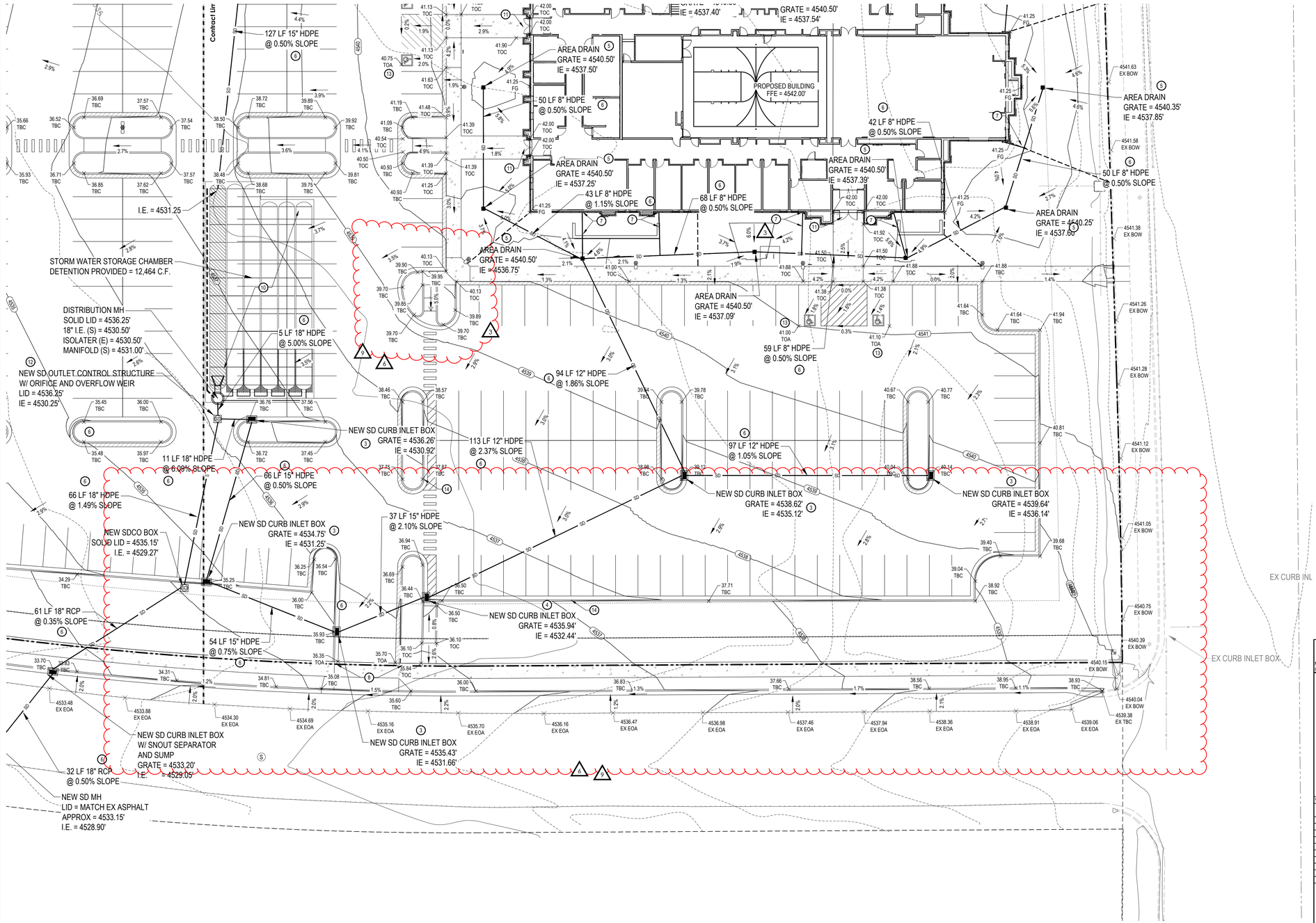
Owner #: 502-2004
Plan Series: G300-MH-11
County Parcel: 39-228:0001
BHD #: 2346
Date: 15 Aug 2024

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1	15 Aug 2024	Bid Documents

Grading and Drainage Plan - North

C121



PROJECT NOTE:

CONTRACT FOR PROJECT ONLY GOES TO THE CONTRACT LIMIT LINE BUT ALL STORM DRAIN INFRASTRUCTURE SHOWN ON THIS PLAN IS TO BE INCLUDED IN THE PROJECT AS IT IS REQUIRED TO DRAIN THIS PROJECT.

AVOID CUTTING UNDERGROUND UTILITIES. IT'S COSTLY.
Call BEFORE YOU Dig
1-800-662-4111

NOTICE!

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION, PROTECTION, AND RESTORATION OF ALL BURIED OR ABOVE GROUND UTILITIES, SHOWN OR NOT SHOWN ON THE PLANS.

LID STORM WATER NOTES:

AS PER STATE REQUIREMENT 80TH PERCENTILE STORM SHOULD BE RETAINED ON SITE AS L.I.D MEASURE. 80TH PERCENTILE STORM EQUATES TO 0.54" ACROSS THE SITE. PER CALCULATION THE FIRST 7,130 CF OF STORM WATER SHOULD BE RETAINED.

0.54" x 158,455 SQ FT = 7,130 CF

HOWEVER DUE TO HIGH GROUND WATER WHICH WAS ENCOUNTERED DURING THE GEOLOGICAL EVALUATION AS FOUND IN REPORT FROM GSH DATED AUGUST 2, 2024, GROUND WATER BEING FOUND AT A DEPTH OF 4.6' BELOW EXISTING GRADE IN ON OF THE BORE HOLES, WE ARE PROPOSING THAT THIS SITE BE DEVELOPED WITHOUT THE L.I.D. RETENTION REQUIREMENT AND INSTEAD ONLY REQUIRE THE 100 YR 24 HOUR STORM TO BE DETAINED ON SITE.

NORTH

SCALE: 1" = 20'

0 10' 20' 40' 60'

GENERAL NOTES:

SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED REGISTERED SOILS ENGINEER, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED, HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS & SPECS.

THE CONTRACTOR IS TO USE BEST MANAGEMENT PRACTICES FOR PROVIDING EROSION CONTROL FOR CONSTRUCTION OF THIS PROJECT. SPECIFIC DETAILS SHOWN ON SHEET C171 SHALL BE USED IN COMBINATION WITH OTHER ACCEPTED LOCAL PRACTICES.

EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF THOSE UTILITIES SHOWN ON THESE PLANS OR INDICATED IN THE FIELD BY LOCATING SERVICES. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF CONTRACTORS FAILURE TO VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION IN THEIR VICINITY SHALL BE BORNE BY THE CONTRACTOR AND ASSUMED INCLUDED IN THE CONTRACT.

REFER TO OVER EXCAVATION AND FILL NOTES ON SHEET C111

KEYED NOTES:

PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED AND THE DETAILS NOTED AND AS SHOWN ON THE CONSTRUCTION DRAWINGS:

1. GRADE SITE TO ELEVATIONS AND CONTOURS SHOWN ON PLAN.
2. 3' x 3' STORM DRAIN CATCH BASIN WITH HEAVY DUTY BICYCLE SAFE GRATE, PER STANDARD CHURCH DETAIL, SEE DETAIL 'H', SHEET C521
3. STORM DRAIN CURB INLET WITH HEAVY DUTY BICYCLE SAFE GRATE, PER STANDARD CHURCH DETAIL, SEE DETAIL 'M', SHEET C521
4. STORM DRAIN GUTTER INLET WITH NO HOOD, WITH HEAVY DUTY BICYCLE SAFE GRATE.
5. 12" SQUARE SECURABLE NYLOPLAST YARD DRAIN, SEE ARCHITECTURAL SITE DETAIL SHEETS FOR DETAILS.
6. STORM DRAIN PIPE PER VINEYARD CITY STANDARDS. SEE PLAN FOR LENGTH, SIZE, TYPE AND SLOPE. TRENCHING PER STANDARD CHURCH DETAIL, SEE DETAIL 'F', SHEET C531
7. DOWNSPOUT DRAIN BASIN AND 6" HDPE PIPE FROM DOWNSPOUT BASIN. SLOPE AT 0.50% MINIMUM FROM BASIN, SEE ARCHITECTURAL SITE DETAIL SHEETS FOR DETAILS.
8. TAPER LAST 5' OF CURB TO MATCH SIDEWALK HEIGHT, PER STANDARD CHURCH DETAIL, SEE DETAIL 'J', SHEET C531
9. STORM DRAIN CURB INLET BOX WITH SNOUT OIL/WATER SEPARATOR AND SUMP, PER OREM CITY STANDARD DETAIL 'SD-2', SHEET C531

   STORMTECH MC-3500 CHAMBERS OR EQUIVALENT SYSTEM APPROVED PRIOR TO BIDDING. SYSTEM TO OUTLET CONTROL STRUCTURE AS SHOWN ON PLANS ALL PROVIDED BY THE CONTRACTOR. STORMTECH CHAMBER HAS DETENTION CAPACITY OF 12,464 C.F. TOTAL REQUIRED STORAGE = 11,990 C.F. SEE DETAIL 'M', SHEET C521. SHOP DRAWINGS PROVIDED BY MANUFACTURER PRIOR TO BIDDING AND CONSTRUCTION.
10. LANDING AREAS TO HAVE 2% MAXIMUM SLOPE AWAY FROM BUILDING
11. 4' x 4' OUTLET CONTROL STRUCTURE WITH ORIFICE AND OVERFLOW WEIR. SEE DETAIL 'A', SHEET C521 AND DETENTION CALCULATIONS. ORIFICE SIZE = 3.0" Ø
12. ADA PARKING STALL, TOA (TOP OF ASPHALT) SPOT GRADES ARE TO BE STAKED TO ENSURE SLOPE WITHIN ADA PARKING STALL REMAINS UNDER 2.0% MAX. SLOPE.
13. 2.0' CURB CUT TO ALLOW STORM WATER RUNOFF TO PASS TO THE LANDSCAPE AREA AND INFILTRATE AS AN L.I.D. MEASURE AS REQUIRED BY OREM CITY.

Mcneil Engineering
3610 S. Sandy Pkwy, Sandy, UT

STORM RUNOFF CALCULATION SHEET
Project No. 24310

Title :	Orem Vineyard Springwater
Scope :	Site Drainage Design
	Detention Facilities
Engineer : DJC	Check: DJC
Authority : Vineyard	Rev. No.: 1

Design Philosophy:
The storm water runoff from the project site will sheet flow to a series of catch basins and inlet boxes where it will be collected and conveyed by an underground pipe system to underground detention storage chambers where the required runoff amount will be detained by means of a baffle wall causing the detained water to back up into the chambers while an orifice in the baffle wall sized per the calculations below will release water into the municipal storm drain system at a rate of 0.15 cfs/ac, as per the allowable rate.

Area Identification	(A)		Runoff Coefficient (C)		(C*A)
Paved	98,627 sf	(2.26 ac)	0.85	=	83,340 sf
Roof Area	18,542 sf	(0.43 ac)	0.90	=	16,595 sf
Landscaped	41,586 sf	(0.95 ac)	0.12	=	4,990 sf
Total	158,755 sf	(3.64 ac)	0.66 (ave)		104,925 sf

Allowable Discharge Rate = 0.13 cfs/ac

100-Year, 24-Hour Storm: Allowable Peak Discharge = 0.49 cfs

Time (min)	Rate (in/hr)	Rainfall (inches)	Q in (cfs)	Add'l Q in (cfs)	Total Q in (cfs)	Q out (cfs)	Storage (cf)
5	4.19	0.521	15.19	0.00	15.19	0.49	4,409
10	3.18	0.792	11.54	0.00	11.54	0.49	6,632
15	2.63	0.982	9.54	0.00	9.54	0.49	8,147
30	1.77	1.315	6.39	0.00	6.39	0.49	10,619
60	1.09	1.610	3.91	0.00	3.91	0.49	**12,319**
120	0.61	1.770	2.15	0.00	2.15	0.49	11,960
180	0.43	1.830	1.48	0.00	1.48	0.49	10,727
360	0.24	1.960	0.79	0.00	0.79	0.49	6,589
720	0.14	2.280	0.46	0.00	0.46	0.46	0
1440	0.08	2.600	0.26	0.00	0.26	0.26	0

Storm Pipe Detention Provided:

Pipe Size	Length (LF)	Unit Storage (CF/LF)	Storage
6 in. Pipe	0	0.196	0 cf
8 in. Pipe	0	0.349	0 cf
12 in. Pipe	0	0.785	0 cf
18 in. Pipe	0	1.767	0 cf
Total Pipe Storage			**0 cf**

Storm Structure Detention Provided:

Amount	Box Length	Box Width	Av. Depth	←	Storage
0	0	0	0		0 cf
Total Structure Storage					**0 cf**

Storage Provided:

Pond	Area(sf)	Depth (ft)	Volume (cu. ft.)
Storage chambers			12464 cf
Parking Area			0 cf
Total Surface Storage			**12464 cf**

Total Detention Provided : **12,464 cf**
Total Detention Required : **12,319 cf**

Orifice Design:
The orifice is designed upon the following data:

Total acreage of development:	3.64 acres
Allowable discharge:	0.49 cfs (0.13 cfs/ac)
Max head (center orifice to h/w):	5.02 ft
Diameter for new orifice:	**3.0 inch**

$$Q = C_d A_o \sqrt{2gh}$$

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PROFESSIONAL ENGINEER
12-16-25
No. 14988925-2202
DANIEL J. CANNING
STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake
Approx. 542 South Geneva Road
Vineyard, Utah 84059

Owner #: 502-2004
Plan Series: C300-MH-11
County Parcel: 39:228:0001
BHD #: 2346
Date: 15 Aug 2024

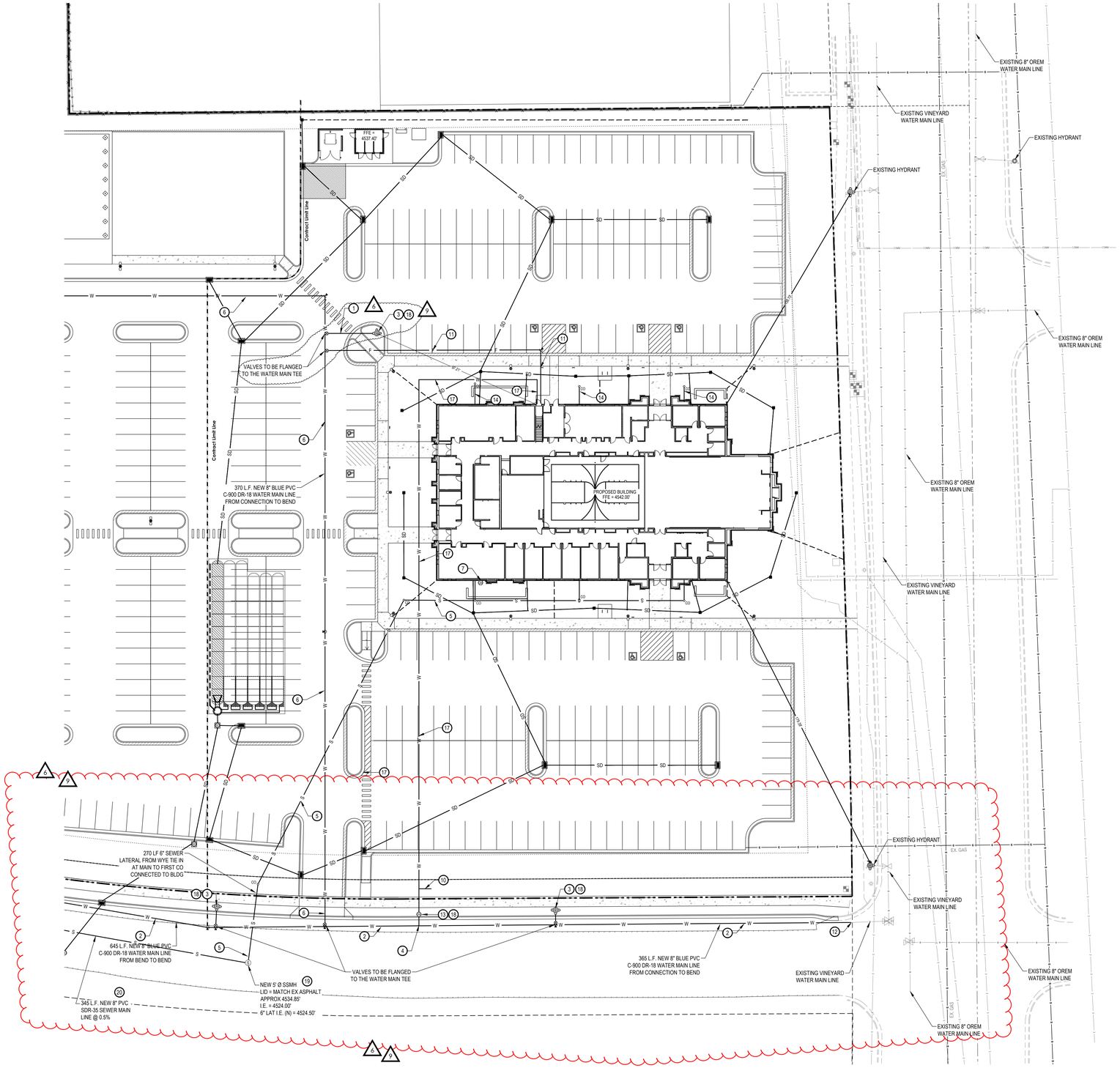
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Grading and Drainage Plan - South

C122

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NORTH

SCALE: 1" = 30'

0 15' 30' 60' 90'

GENERAL NOTES:

CONTRACTOR IS TO COORDINATE ALL UTILITIES WITH MECHANICAL DRAWINGS.

ALL NEW WATER CONSTRUCTION TO BE DONE IN ACCORDANCE WITH LOCAL GOVERNING MUNICIPALITY STANDARDS & SPECIFICATIONS.

ALL NEW SANITARY SEWER CONSTRUCTION TO BE DONE IN ACCORDANCE WITH LOCAL GOVERNING MUNICIPALITY STANDARDS & SPECIFICATIONS.

CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND INVERT ELEVATIONS OF EXISTING MANHOLES AND OTHER UTILITIES BEFORE STAKING OR CONSTRUCTING ANY SEWER LINES.

FOUR FEET OF COVER IS REQUIRED OVER ALL SEWER LINES.

MAINTAIN A MINIMUM OF 48 INCHES OF COVER ON ALL WATER LINES.

CONTRACTOR IS TO COORDINATE LOCATIONS OF NEW TELEPHONE SERVICE TO BUILDING WITH CENTURY LINK. A PVC CONDUIT, PLYWOOD BACKBOARD, AND GROUND WIRE IS REQUIRED FOR SERVICE THROUGH PROPERTY. COORDINATE SIZES AND LOCATION WITH CENTURY LINK.

CONTRACTOR IS TO SUBMIT SITE PLAN TO DOMINION ENERGY FOR DESIGN OF GAS LINE SERVICE TO BUILDING. CONTRACTOR TO COORDINATE WITH DOMINION ENERGY FOR CONTRACTOR LIMITS OF WORK VERSUS DOMINION ENERGY LIMITS.

LOCATION OF ALL UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE LOCATIONS. CONTRACTOR IS TO VERIFY CONNECTION POINTS WITH EXISTING UTILITIES. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO EXISTING UTILITIES AND UTILITY STRUCTURE THAT ARE TO REMAIN.

UTILITY ALERT PHONE NUMBERS
- WATER: VINEYARD CITY
- SEWER: VINEYARD CITY
- NATURAL GAS: DOMINION ENERGY
- ELECTRICAL POWER: POWER PROVIDER
- TELEPHONE: CENTURY LINK

KEYED NOTES:

PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED AND THE DETAILS NOTED AND AS SHOWN ON THE CONSTRUCTION DRAWINGS:

1. NEW 6" PVC C-900 FIRE LINE FOR NEW FIRE HYDRANT PER VINEYARD TOWN STANDARDS AND SPECIFICATIONS, INCLUDING ALL FITTINGS AND THRUST BLOCKING. SEE VINEYARD TOWN DETAIL '13', SHEET C5.04 FOR TRENCHING AND DETAIL '18', SHEET C5.08 FOR THRUST BLOCKING.
2. 8" BLUE PVC C-900 DR-18 WATER LINE, INCLUDING ALL FITTINGS AND THRUST BLOCKING. SEE DETAIL 'C4', SHEET C5.03 FOR TRENCHING AND APWA PLAN NO. 561 FOR THRUST BLOCKING.
3. INSTALL NEW FIRE HYDRANT PER VINEYARD TOWN STANDARD DETAIL '17', SHEET C5.04.
4. CONNECT NEW 2" POLY PIPE WATER SERVICE LINE TO NEW MAIN LINE, PER VINEYARD TOWN STANDARDS AND SPECIFICATIONS.
5. 6" PVC SDR-35 SANITARY SEWER LATERAL @ 1.00% MINIMUM SLOPE, INCLUDING NEW CLEANOUTS PER VINEYARD TOWN STANDARDS AND SPECIFICATIONS. CONNECT TO NEW SEWER MAIN. LATERAL PER VINEYARD TOWN STANDARD DETAIL '20'. SEE SHEET C5.04.
6. 8" BLUE PVC C-900 DR-18 FIRE LINE LOOP, INCLUDING ALL FITTINGS AND THRUST BLOCKING. SEE DETAIL 'C4', SHEET C5.03 FOR TRENCHING AND APWA PLAN NO. 561 FOR THRUST BLOCKING.
7. APPROXIMATE LOCATION OF NEW NATURAL GAS METER(S). CONTRACTOR TO COORDINATE SIZE, DESIGN AND INSTALLATION WITH DOMINION ENERGY AND WITH MECHANICAL PLANS.
8. UNDERGROUND CABLE AND POWER LINES. CONTRACTOR TO COORDINATE WITH COMCAST AND ROCKY MOUNTAIN POWER. SEE ELECTRICAL SITE PLAN FOR POWER CONNECTIONS.
9. TELEPHONE LINE. CONTRACTOR TO PROVIDE TRENCHING 30" DEEP X 24" WIDE FOR CENTURY LINK AND THEN BACKFILL AS REQUIRED. SEE ELECTRICAL SITE PLAN FOR COMMUNICATIONS CONNECTIONS.
10. INSTALL 1-1/2" STOP AND WASTE FOR IRRIGATION, CONNECT TO NEW 2" WATER LATERAL PER VINEYARD TOWN STANDARDS AND SPECIFICATIONS. SEE LANDSCAPE PLANS FOR DETAILS.
11. NEW 6" PVC C-900 FIRE SERVICE WATER LINE PER VINEYARD TOWN STANDARDS AND SPECIFICATIONS, INCLUDING ALL FITTINGS AND THRUST BLOCKING. SEE VINEYARD TOWN DETAIL '13', SHEET C5.04 FOR TRENCHING AND DETAIL '18', SHEET C5.04 FOR THRUST BLOCKING.
12. CONNECT NEW 8" BLUE PVC C-900 DR-18 WATER LINE TO EXISTING WATER MAIN LINE, PER VINEYARD TOWN STANDARDS AND SPECIFICATIONS.
13. NEW 2" WATER METER.PER VINEYARD TOWN STANDARDS.
14. SEWER CLEANOUT AND 6" PVC SEWER LINE FOR USE IN CLEARING SEWER LINES WITHIN THE BUILDING FROM OUTSIDE SEE STANDARD CHURCH DETAIL 'L' SHEET C521.
15. SIDEWALK AREA LIGHT POLE, SEE ELECTRICAL PLANS FOR DETAILS.
16. PARKING LOT AREA LIGHT POLE, SEE ELECTRICAL PLANS DETAILS.
17. 2" POLY PIPE WATER SERVICE LINE, PER VINEYARD TOWN STANDARD DETAIL '19', SEE SHEET C5.04.
18. ENSURE NO DEEP-ROOTED VEGETATION IS LOCATED WITHIN 10' OF FIRE HYDRANT OR WATER METER PER VINEYARD TOWN STANDARDS AND SPECIFICATIONS.
19. 5' DIAMETER SANITARY SEWER MANHOLE, PER APWA PLAN NO. 411.
20. 8" PVC SDR-35 SANITARY SEWER LINE, INCLUDING ALL FITTINGS. SEE APWA PLANS NO. 381 & 382 FOR TRENCHING.

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THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 540 South Geneva Road
Vineyard, Utah 84059

BHD #: 2346
County Parcel: 39-228:0001
Plan Series: G300-MH-11
Owner #: 502-2004
Date: 15 Aug 2024

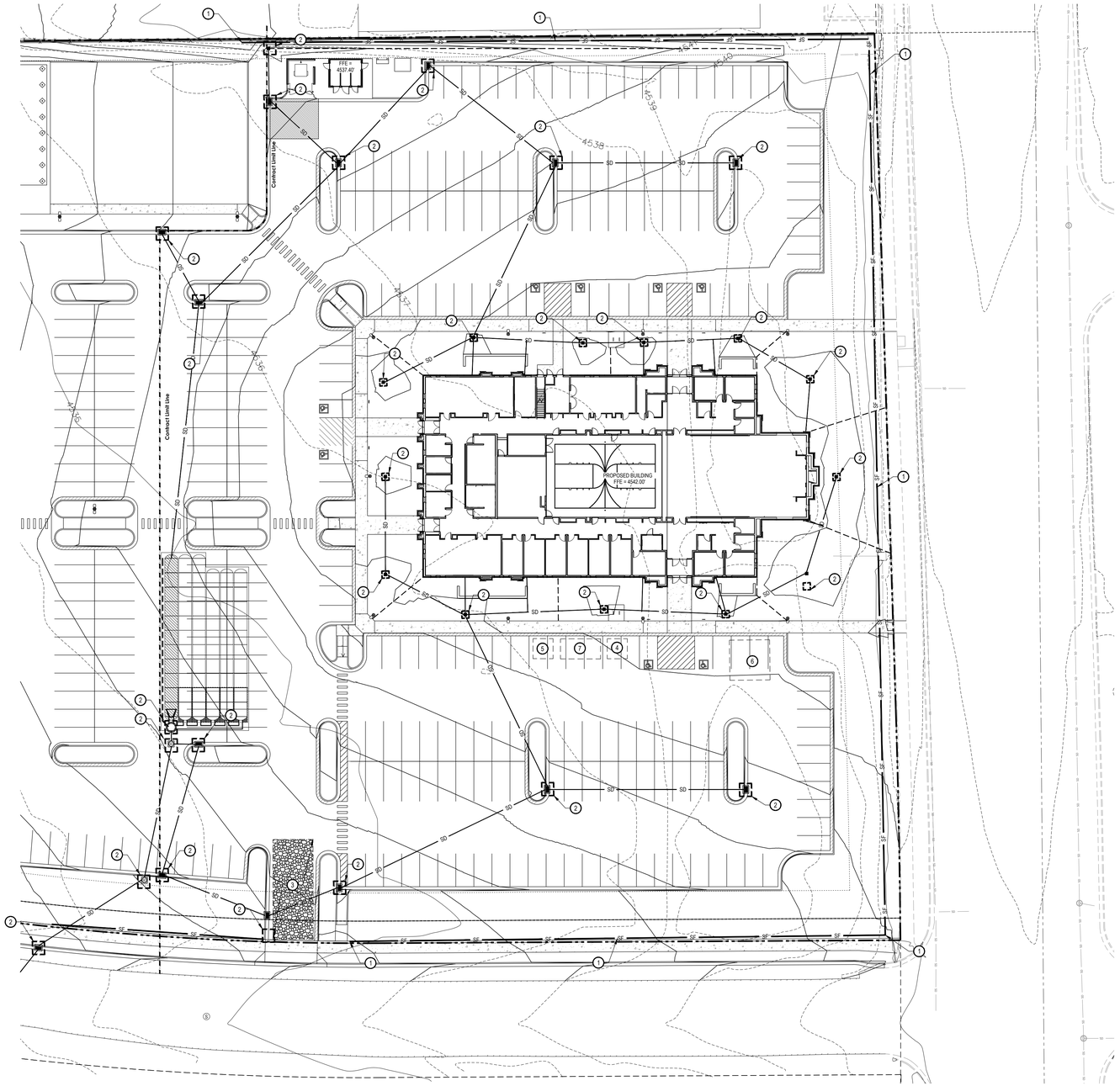
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Site Utility Plan

C151

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NORTH

SCALE: 1" = 30'

0 15' 30' 60' 90'

GENERAL NOTES:

THE CONTRACTOR IS TO USE BEST MANAGEMENT PRACTICES FOR PROVIDING EROSION CONTROL FOR CONSTRUCTION OF THIS PROJECT. SPECIFIC DETAILS SHOWN ON SHEET C5.04 SHALL BE USED IN COMBINATION WITH OTHER ACCEPTED LOCAL PRACTICES.

ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE LOCAL AGENCY'S EROSION CONTROL STANDARDS AND SPECIFICATIONS AND ALL WORK SHALL BE SUBJECT TO INSPECTION BY THE AGENCY HAVING JURISDICTION. ALSO INSPECTORS WILL HAVE THE RIGHT TO CHANGE THE FACILITIES AS NEEDED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING THE LOCATIONS OF ALL EXISTING UTILITIES. IF CONFLICTS OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION TO DETERMINE IF ANY FIELD ADJUSTMENTS SHOULD BE MADE.

THE CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL.

WHEN GRADING OPERATIONS HAVE BEEN COMPLETED AND THE DISTURBED GROUND SHALL BE LEFT "OPEN" FOR 30 DAYS OR MORE THE AREA SHALL BE FURROWED PARALLEL TO THE CONTOURS OF THE AREA.

THE CONTRACTOR SHALL MODIFY EROSION CONTROL MEASURES TO ACCOMMODATE PROJECT PLANNING.

MAINTENANCE:

THE OWNER'S REPRESENTATIVE SHALL MAKE ROUTINE CHECKS ON ALL EROSION CONTROL MEASURES TO DETERMINE IF REPAIRS OR SEDIMENT REMOVAL IS NECESSARY. DUE TO CONDITIONS THAT MAY ARISE IN THE FIELD, ADDITIONAL CONTROL MAY BE DETERMINED TO BE NECESSARY.

SILT FENCE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT THE LEAST DAILY DURING PROLONGED RAINFALL.

CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED SILT FENCES, END RUNS, AND UNDERCUTTING BENEATH SILT FENCING.

NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF SILT FENCING SHALL BE ACCOMPLISHED PROMPTLY.

SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.

KEYED NOTES:

PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED AND THE DETAILS NOTED AND AS SHOWN ON THE CONSTRUCTION DRAWINGS:

1. SILT FENCE AS SHOWN ON PLAN. SEE DETAIL 'C3', SHEET C5.03.
2. INLET PROTECTION AROUND EXISTING OR NEW STORM DRAIN CATCH BASINS OR CURB INLETS. SEE DETAIL 'A1', SHEET C5.03.
3. TEMPORARY CONSTRUCTION ENTRANCE. SEE DETAIL 'C1', SHEET C5.03. LOCATION SHOWN IS SUGGESTIVE. CONTRACTOR TO RELOCATE AS NEEDED.
4. CONCRETE WASHOUT AREA. SEE DETAIL 'A3', SHEET C5.03. LOCATION SHOWN IS SUGGESTIVE. CONTRACTOR TO RELOCATE AS NEEDED.
5. PORTABLE TOILET. SEE DETAIL 'C5', SHEET C5.03. LOCATION SHOWN IS SUGGESTIVE. CONTRACTOR TO RELOCATE AS NEEDED.
6. TOPSOIL STOCK PILE AREA. MAINTAIN SILT FENCE AROUND PERIMETER AT ALL TIMES. CONTROL DUST FROM PILE BY EITHER COVERING OR KEEPING MOIST. LOCATION SHOWN IS SUGGESTIVE. CONTRACTOR TO RELOCATE AS NEEDED.
7. CONSTRUCTION DUMPSTER, CHECK LEVEL DAILY, LEGALLY DISPOSE OF WASTE AS NEEDED. LOCATION SHOWN IS SUGGESTIVE. CONTRACTOR TO RELOCATE AS NEEDED.

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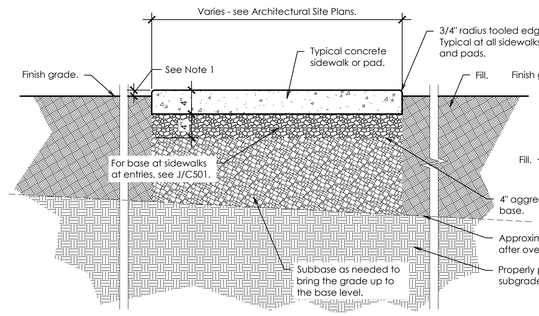
Erosion Control Plan

C171

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NOTES

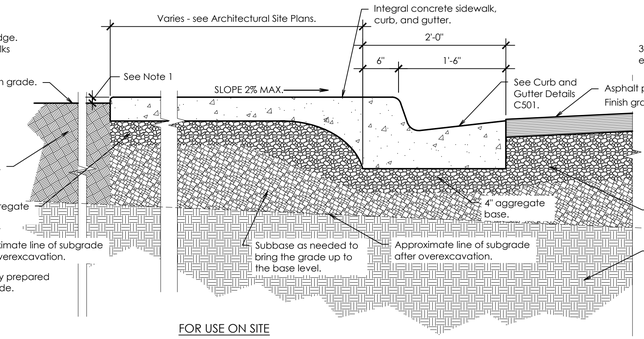
1. 1" prior to seeding, 2" prior to sodding, 4" in planting areas.
2. Expansion joint material shall be recessed 1/4" where sealant is not applied, and 1/2" where sealant is applied.
3. Epoxy-coated reinforcement steel bars shall be used for all concrete reinforcing used for all site concrete elements.



FOR USE ON SITE

A SIDEWALK DETAIL

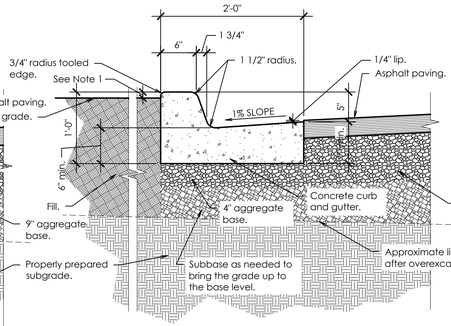
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FOR USE ON SITE

B SIDEWALK, CURB AND GUTTER

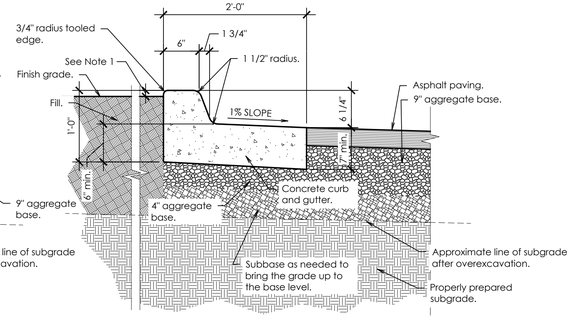
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FOR USE ON SITE WHERE WATER DRAINS TOWARD CURB

C CURB AND GUTTER - IN FLOW

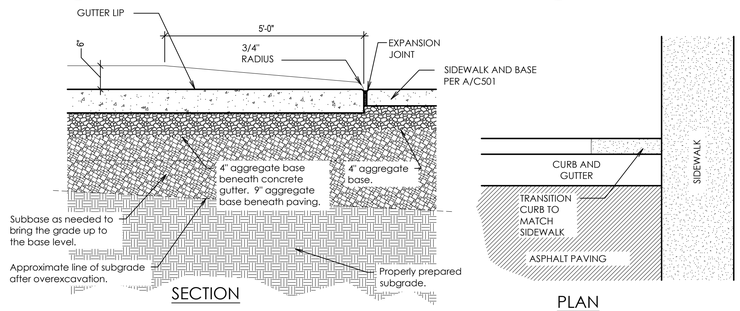
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FOR USE ON SITE WHERE WATER DRAINS AWAY FROM CURB

D CURB AND GUTTER - OUT FLOW

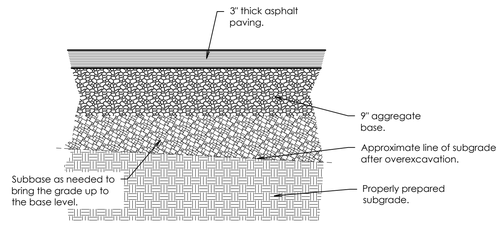
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FOR USE ON SITE

E CURB TRANSITION

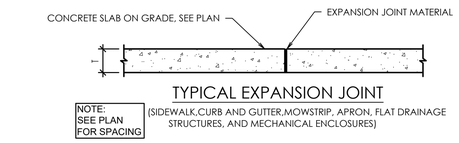
Scale: Not to Scale



FOR USE ON SITE

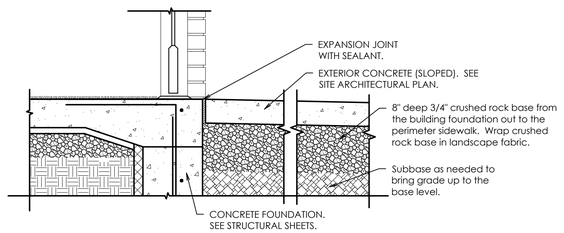
F ASPHALT PAVING

Scale: 1" = 1'-0"



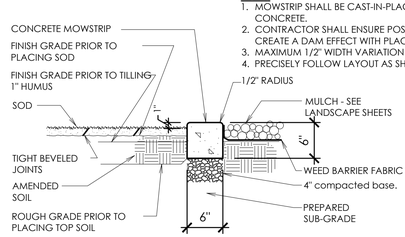
H EXPANSION AND CONTROL JOINTS

Scale: Not to Scale



J TYPICAL ENTRY AT DOOR

Scale: 1" = 1'-0"

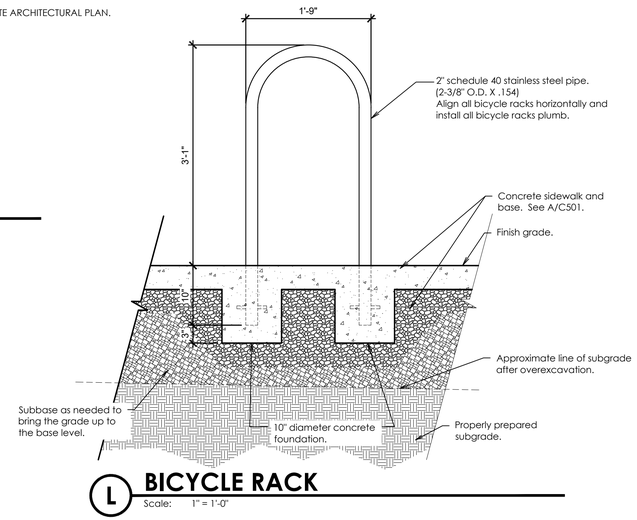


NOTES:

1. MOWSTRIP SHALL BE CAST-IN-PLACE AND POURED USING TYPICAL WEIGHT STRUCTURAL CONCRETE.
2. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AROUND MOWSTRIPS - DO NOT CREATE A DAM EFFECT WITH PLACEMENT OF MOWSTRIP.
3. MAXIMUM 1/2" WIDTH VARIATION.
4. PRECISELY FOLLOW LAYOUT AS SHOWN ON THE SITE ARCHITECTURAL PLAN.

K CONCRETE MOW STRIP

Scale: 1" = 1'-0"



L BICYCLE RACK

Scale: 1" = 1'-0"

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Toll Free 888.571.0010
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Suite 205 Draper, Utah 84020

LICENSED ARCHITECT Lafe Theodore Harris 15 Aug 2024 6578-0301 STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

Owner #: 502-2004
Plan Series: G300-MH-11
County Parcel: 39-228:0001
BHD #: 2346
Date: 15 Aug 2024

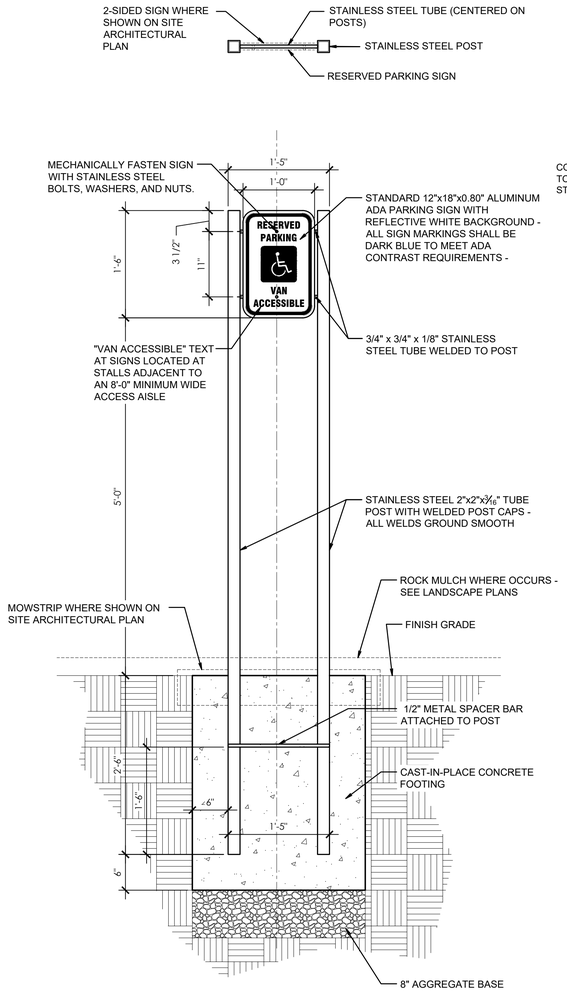
Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

Site Details

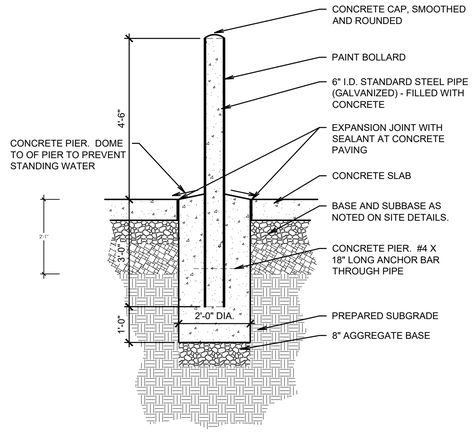
C501

Printed: 15 Aug 2024 10:41 AM



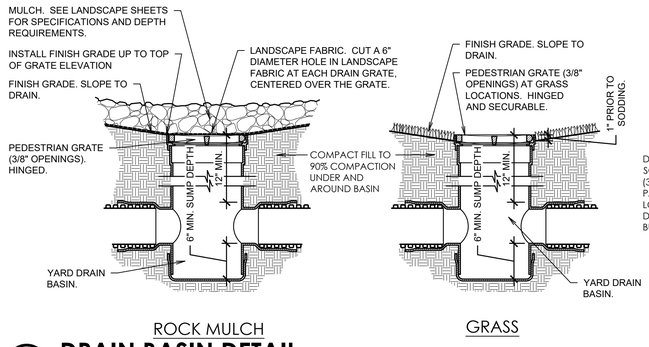
A ACCESSIBLE PARKING SIGN

Scale: 1" = 1'-0"



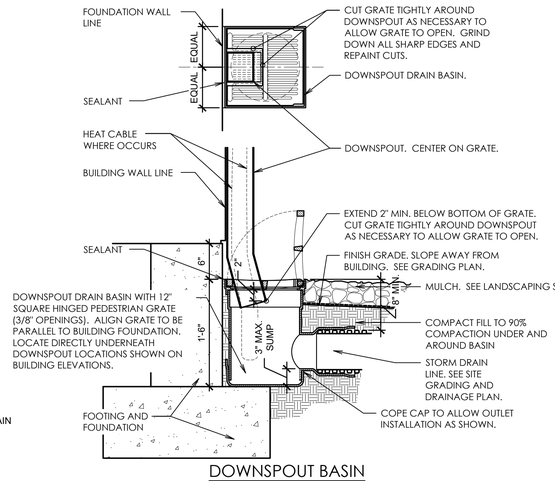
B BOLLARD DETAIL

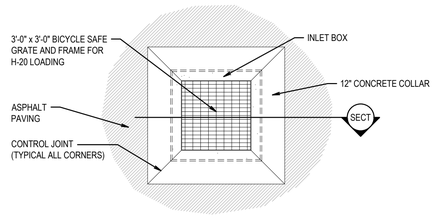
Scale: 1/2" = 1'-0"



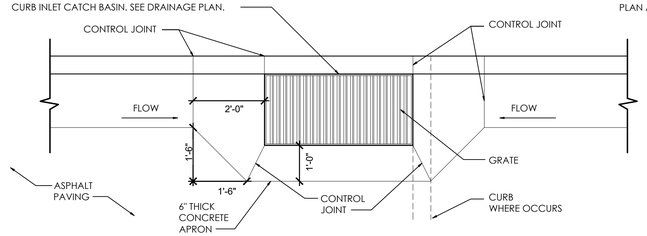
C DRAIN BASIN DETAIL

Scale: 1" = 1'-0"

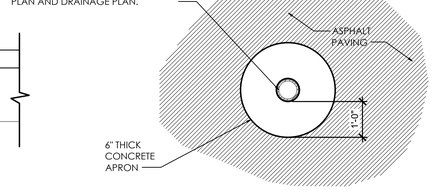




NOTES:
1. GRATE AND FRAMES SHALL BE HOT-DIPPED GALVANIZED.
2. DOWEL LAPS SHALL BE 24".
3. COAT ALL METAL PARTS WITH ASPHALTUM PAINT.



CURB INLET

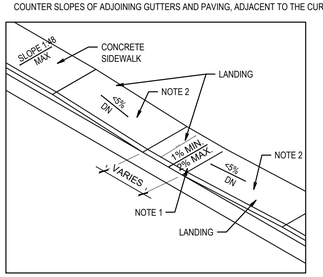


SEWER CLEANOUT, VALVE BOX, INSPECTION PORT

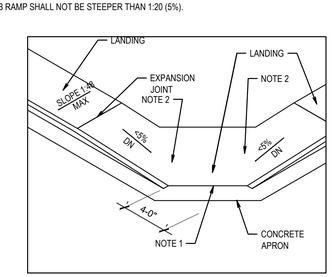
D CONCRETE COLLARS AND APRONS

Scale: NOT TO SCALE

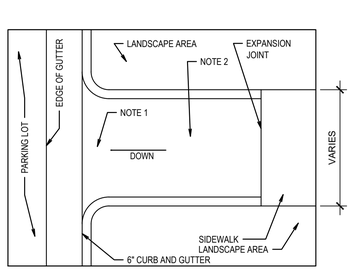
NOTES:
1. UNLESS REQUIRED OTHERWISE BY THE AUTHORITY HAVING JURISDICTION, USE A LIGHT BROOM FINISH ON RAMPS AND LANDINGS TO MATCH THE FINISHES ON THE SIDEWALKS.
2. 5% (MAXIMUM) IN DIRECTION OF TRAVEL. LIMIT CROSS SLOPE ON SIDEWALKS 2%.
3. ALL LANDINGS MUST HAVE 1:48 CROSS SLOPE AND RUNNING SLOPE. LANDING MUST BE AS WIDE AS THE RAMP.
4. CROSS SLOPE ON RAMP MUST BE 1:48 OR LESS.
5. COUNTER SLOPES OF ADJOINING GUTTERS AND PAVING, ADJACENT TO THE CURB RAMP SHALL NOT BE STEEPER THAN 1:20 (5%).



TYPE B



TYPE D



TYPE E

E ACCESSIBLE SLOPED SIDEWALKS

Scale: not to scale

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LICENSED ARCHITECT Lafe Theodore Harris 15 Aug 2024 6908879-0301 STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

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Vineyard UT Springwater Stake

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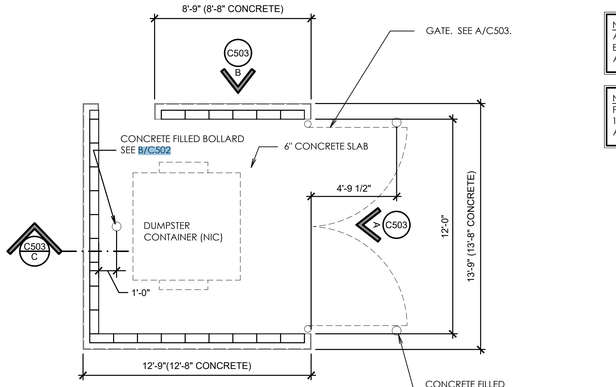
Owner #:	502-2004
Plan Series:	G300-MH-11
County Parcel:	39-228:0001
BHD #:	2346
Date:	15 Aug 2024

Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

Site Details

C502

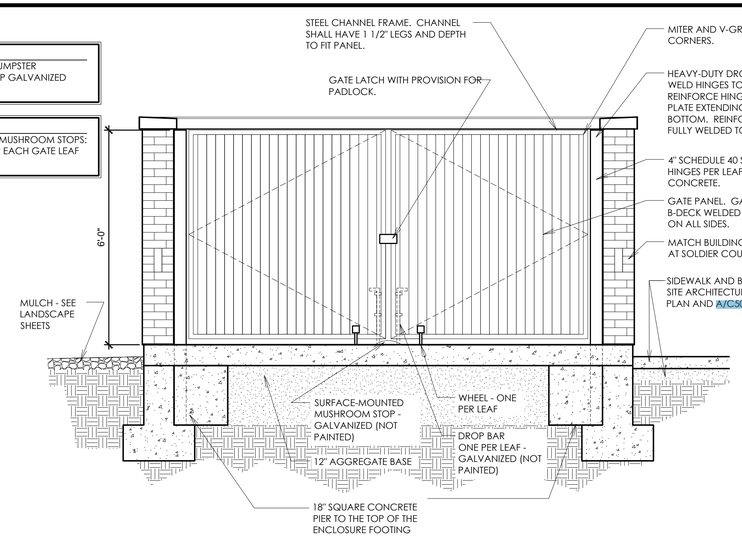


1 DUMPSTER ENCLOSURE PLAN

Scale: 1/4" = 1'-0"

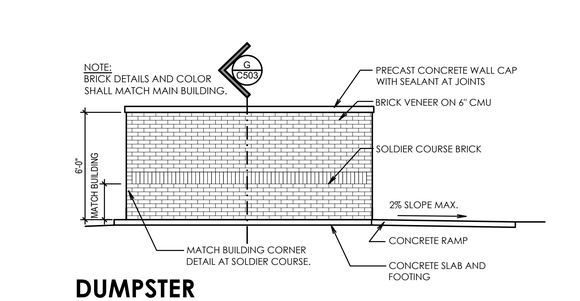
NOTE
ALL STEEL COMPONENTS OF THE DUMPSTER ENCLOSURE GATE SHALL BE HOT-DIP GALVANIZED AND POWDER COATED.

NOTE
PROVIDE (3) SURFACE - MOUNTED MUSHROOM STOPS: 1 AT CLOSED POSITION, AND 1 FOR EACH GATE LEAF AT THE OPEN POSITION.



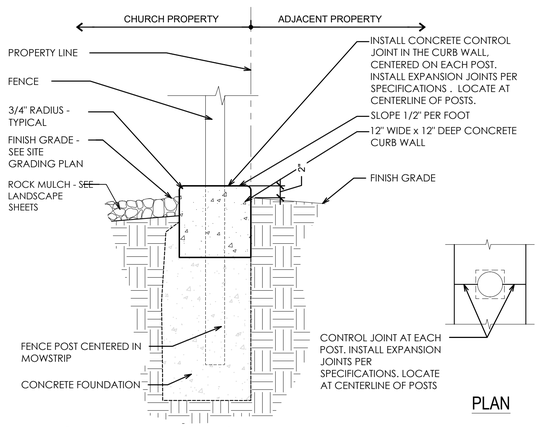
A DUMPSTER GATE ELEVATION

Scale: 1/2" = 1'-0"



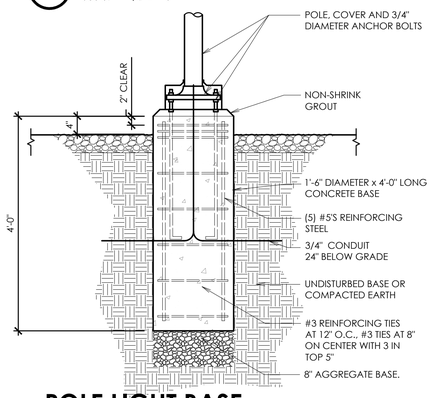
B DUMPSTER ENCLOSURE ELEVATION

Scale: 1/4" = 1'-0"



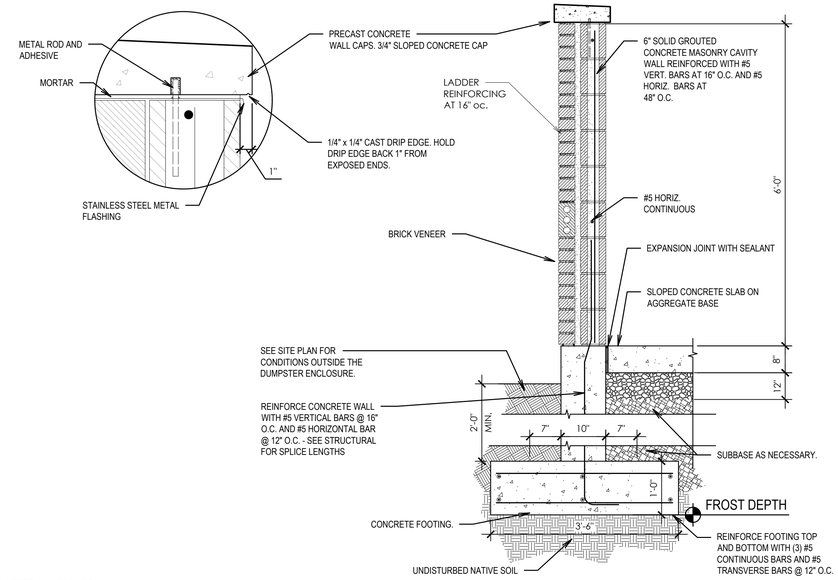
E FENCE AND MOWSTRIP DETAIL

Scale: 1" = 1'-0"



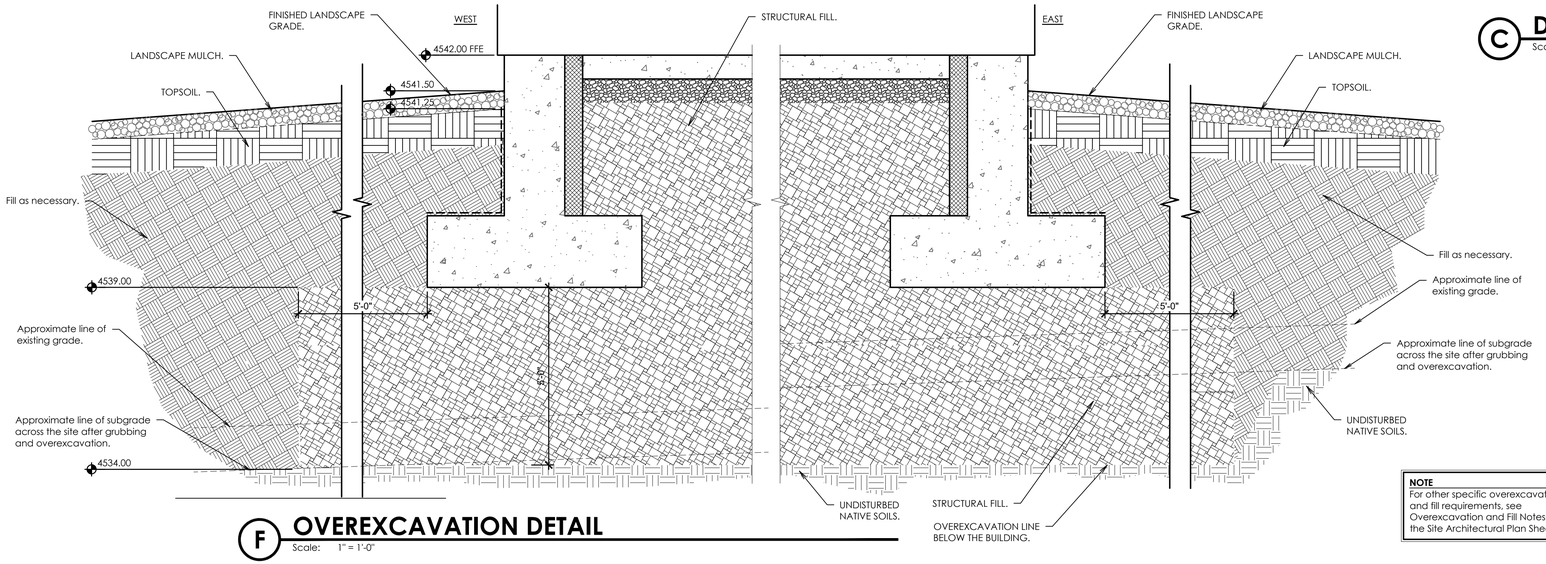
D POLE LIGHT BASE IN LANDSCAPING AREAS

Scale: 3/4" = 1'-0"



C DUMPSTER ENCLOSURE WALL SECTION

Scale: 3/4" = 1'-0"



NOTE
For other specific overexcavation and fill requirements, see Overexcavation and Fill Notes on the Site Architectural Plan Sheets.

F OVEREXCAVATION DETAIL

Scale: 1" = 1'-0"

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LICENSED ARCHITECT Lafe Theodore Harris 15 Aug 2024 6979-0301 STATE OF UTAH

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Vineyard UT Springwater Stake

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Vineyard, Utah 84059

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Plan Series: C300-MH-11
County Parcel: 39-228-0001
BHD #: 2346
Date: 15 Aug 2024

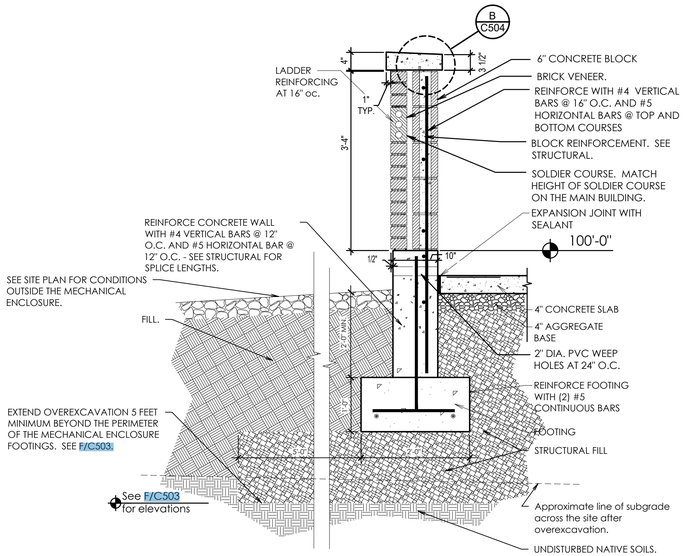
Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

Site Details

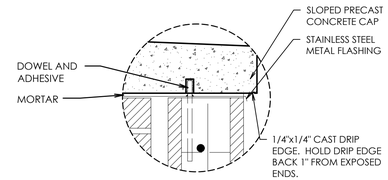
C503

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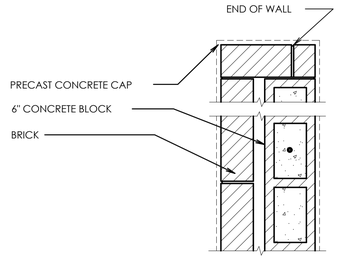
A MECHANICAL ENCLOSURE WALL SECTION

Scale: 3/4" = 1'-0"



B PRECAST CONCRETE CAP

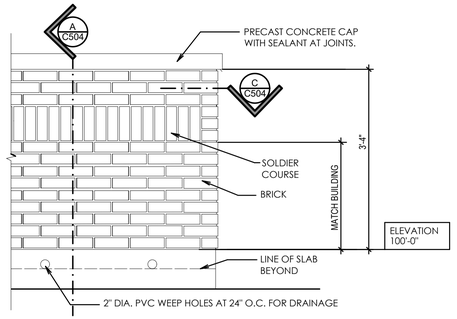
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C MECHANICAL ENCLOSURE WALL PLAN

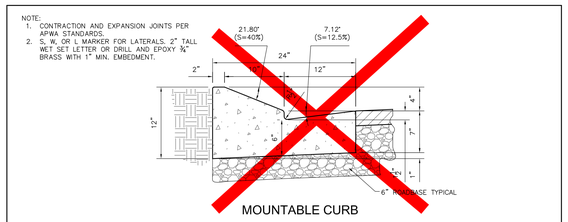
Scale: 3/4" = 1'-0"

NOTE:
BRICK DETAILS AND COLOR SHALL MATCH MAIN BUILDING.

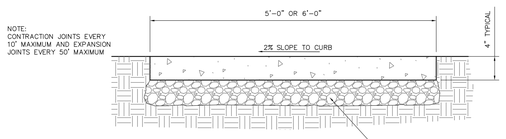


D MECHANICAL ENCLOSURE WALL ELEVATION

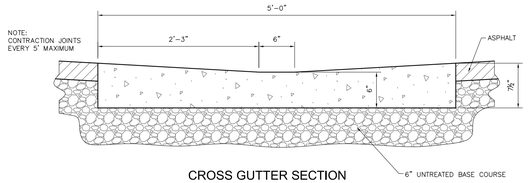
Scale: 3/4" = 1'-0"



MOUNTABLE CURB

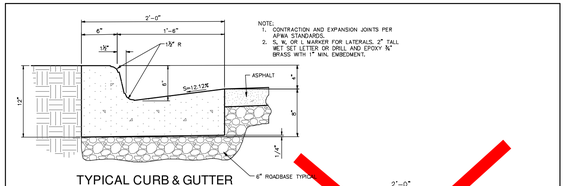


SIDEWALK SECTION

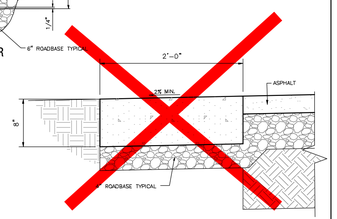


CROSS GUTTER SECTION

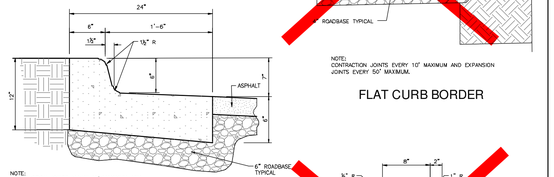
NOTE:
1. CROSS GUTTERS ARE NOT PERMITTED WITHOUT TOWN ENGINEER APPROVAL.



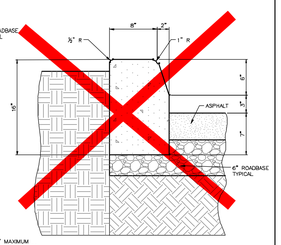
TYPICAL CURB & GUTTER



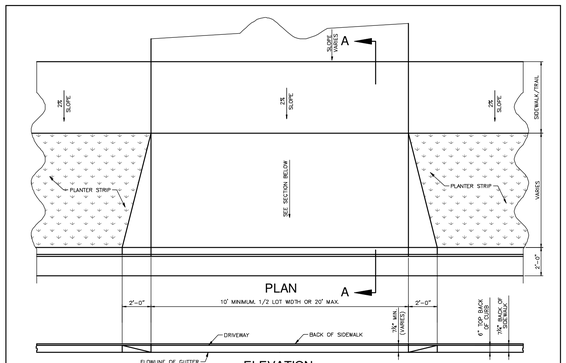
FLAT CURB BORDER

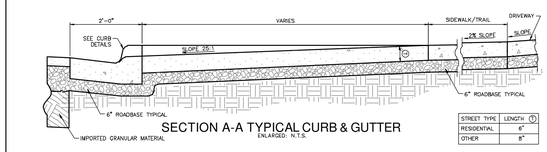


NON-CARRY TYPE CURB & GUTTER

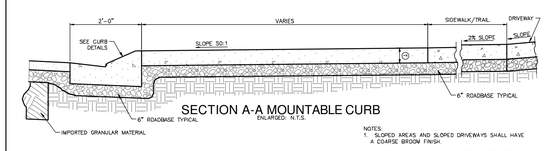


BARRIER CURB

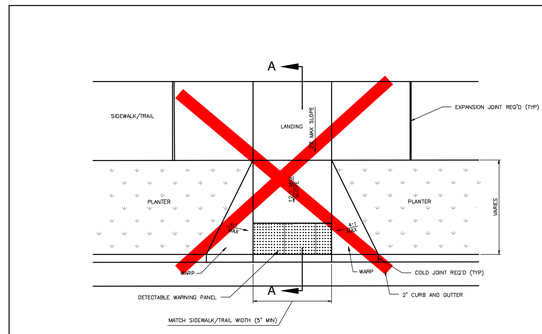


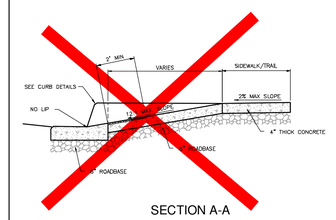


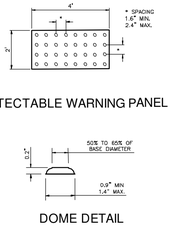
STREET TYPE	LENGTH (T)
RESIDENTIAL	8"
OTHER	8"



NOTES:
1. SLOPED AREAS AND SLOPED DRIVEWAYS SHALL HAVE A COARSE BROOM FINISH.
2. THE DRIVEWAY AT A POINT 4' BEHIND THE SIDEWALK, SHALL BE AT LEAST 7" HIGHER THAN THE FLOWLINE OF THE GUTTER.







NOTES:
1. LANDING SHALL NOT EXCEED 2% IN ANY DIRECTION.
2. TRUNCATED DOME DETECTABLE WARNING PANEL SHALL BE YELLOW POLYMER COMPOSITE/FIBERGLASS.

STATEMENT OF USE:			STANDARD DRAWING NUMBER	4
THIS DOCUMENT AND ANY ILLUSTRATIONS, NOTES AND PROVISIONS AS STANDARD CONSTRUCTION DETAILS WITHIN THE TOWN OF VINEYARD. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL FROM THE TOWN OF VINEYARD. THE TOWN OF VINEYARD CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.	VINEYARD STAY CONNECTED	CURB, GUTTER, AND SIDEWALK DETAILS	ADA RAMP DETAILS	STANDARD
			CURB DETAILS	5
			TYPICAL CURB APPROACH	6
			PEDESTRIAN ACCESS MID BLOCK	7B
		TOWN OF VINEYARD	DESIGNED BY:	DRM
			DRAWN BY:	DRM
			CHECKED BY:	MAS
			DATE:	SEPTEMBER 1, 2016

REVISION			
NO.	DESCRIPTION	BY	APP'D DATE
1	NUMBER XPIRE	MS	DRM 5/8/2024

JUB

CITY STANDARD DETAILS FOR WORK IN THE RIGHT-OF-WAY

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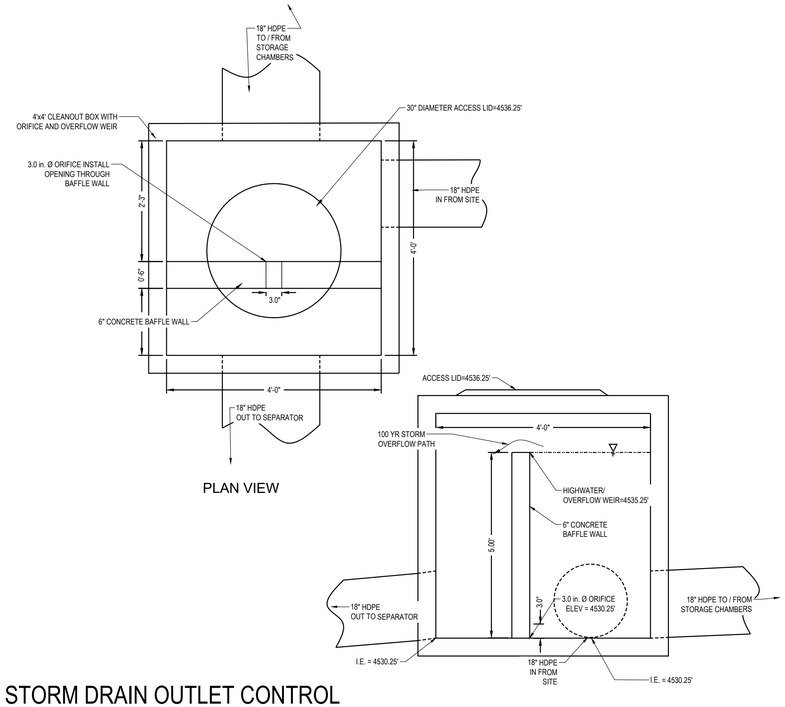
Owner #: 502-2004
Plan Series: G300-MH-11
County Parcel: 39-228-0001
BHD #: 2346
Date: 15 Aug 2024

Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Permit Set

Site Details

C504



STORM DRAIN OUTLET CONTROL STRUCTURE WITH ORIFICE AND OVERFLOW WEIR

A SCALE: N.T.S.

ADS

User Inputs

Chamber Model:	MC-3500
Outlet Control Structure:	Yes
Project Name:	Springwater LDS Church
Engineer:	Daniel Canning
Project Location:	Utah
Measurement Type:	Imperial
Required Storage Volume:	11990 cubic ft.
Stone Porosity:	40%
Stone Foundation Depth:	9 in.
Stone Above Chambers:	12 in.
Design Constraint Dimensions:	(59 ft. x 90 ft.)

Results

System Volume and Bed Size

Installed Storage Volume:	12464.19 cubic ft.
Storage Volume Per Chamber:	109.90 cubic ft.
Number Of Chambers Required:	63
Number Of End Caps Required:	12
Chamber Rows:	6
Maximum Length:	88.72 ft.
Maximum Width:	43.60 ft.
Approx. Bed Size Required:	3728.49 square ft.
Average Cover Over Chambers:	N/A .

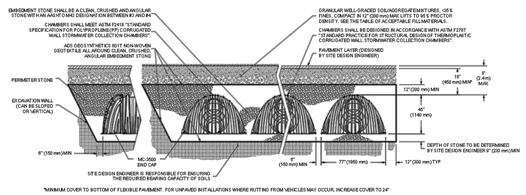
System Components

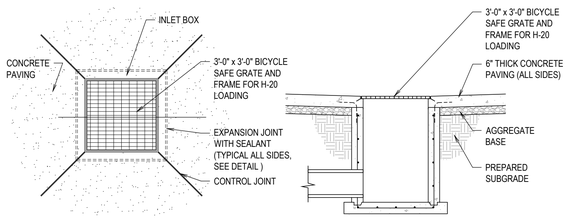
Amount Of Stone Required:	497 cubic yards
Volume Of Excavation (Not Including Fill):	760 cubic yards
Total Non-woven Geotextile Required:	1892 square yards
Woven Geotextile Required (excluding Isolator Row):	117 square yards
Woven Geotextile Required (Isolator Row):	97 square yards
Total Woven Geotextile Required:	214 square yards
Impervious Liner Required:	698 square yards

Impervious Liner notes:

Technical Note 6.50 : Thermoplastic Liners for Detention Systems

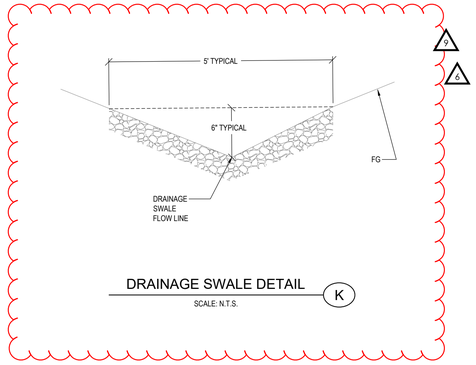
The impervious liner quantity shown is only an estimate. ADS does not provide or design impervious liners. Please contact a liner manufacturer for a final estimate.





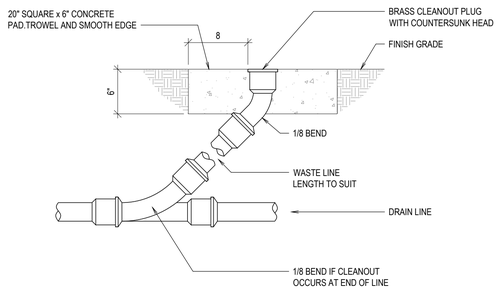
INLET BOX IN CONCRETE PAVING

H SCALE: N.T.S.



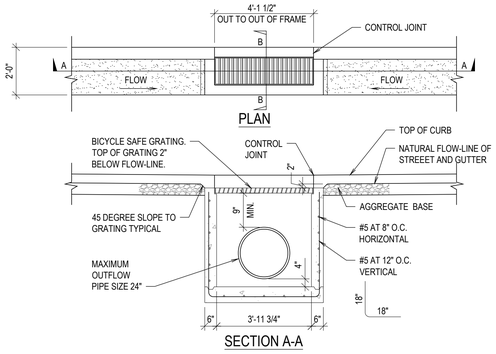
DRAINAGE SWALE DETAIL

SCALE: N.T.S. K



CLEAN-OUT TO GRADE (COTG) (CONCRETE & GRADE)

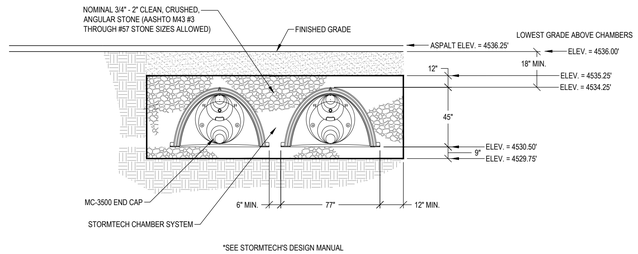
L SCALE: N.T.S.



NOTES:
1. MATERIALS, CONSTRUCTION, AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH CURRENT EDITION OF "STATE STD. SPEC'S FOR ROAD AND BRIDGE CONST.", ADDENDUMS AND SPECIAL PROVISIONS THERETO.
2. ALL STEEL SHALL HAVE A MINIMUM OF 2" CONCRETE COVER.
3. GREY IRON CASTING: ASTM A48 CLASS 30 MINIMUM.
4. 2"x4" SHEAR KEY REQUIRED BOTH WAYS.

SINGLE GUTTER INLET BOX

M SCALE: N.T.S.



STORMTECH CHAMBER SECTION DETAIL

N SCALE: N.T.S.

bhd ARCHITECTS
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PROFESSIONAL ENGINEER
12-16-25
No. 14988925-2202
DANIEL J. CANNING
STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

Owner #: 502-2004
Plan Series: C300-MH-11
County Parcel: 39:228:0001
BHD #: 2346
Date: 15 Aug 2024

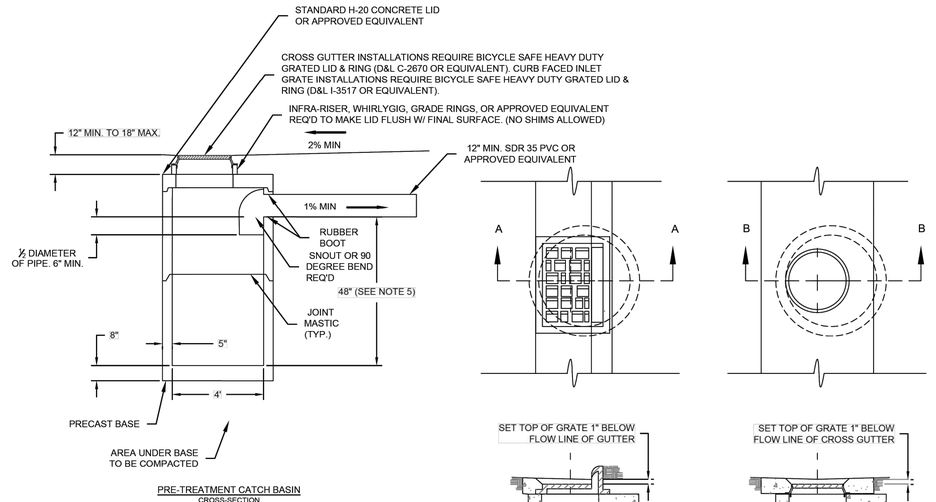
Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

Civil Details

C521

Printed: 16 Dec 2025 4:53 P.M.



PRE-TREATMENT CATCH BASIN
CROSS-SECTION

CURB & GUTTER
SECTION A-A

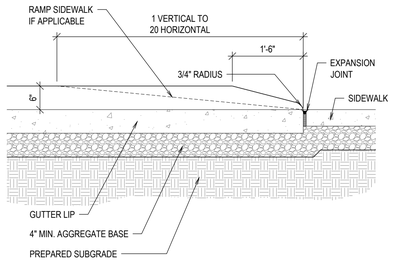
CROSS GUTTER
SECTION B-B

NOTES:

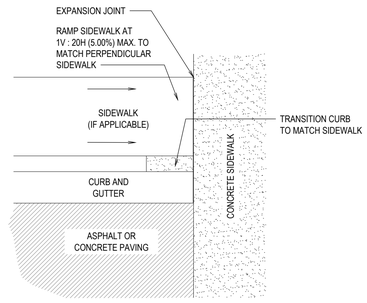
1. MANHOLE BASE AND ALL SECTIONS SHALL BE PRECAST TO CONFORM TO ASTM C478.
2. THE PRE-TREATMENT MANHOLE SHALL BE CONSTRUCTED TO ENSURE WATER TIGHTNESS.
3. ANY APPROVED EQUIVALENTS REQUIRE CITY ENGINEER'S WRITTEN APPROVAL.
4. SNOUTS ARE ALLOWED. INSTALL AS PER MANUFACTURERS RECOMMENDATIONS.
5. FOR PRE-TREATMENT OUTLET DIAMETER PIPE 21" AND LARGER, DEPTH = 2.5 TIMES THE DIAMETER. DEPTH IS DISTANCE BELOW THE OUTLET FLOW LINE AND THE BOTTOM OF THE PRE-TREATMENT STRUCTURE.

Z:\DS_ENG\DETAILS\2023 DETAILS\2023 Storm Details.dwg

OREM	CONSTRUCTION STANDARD DRAWINGS	CITY OF OREM	PRE-TREATMENT CATCH BASIN	REV. 4/2024 SD-2



SECTION



PLAN

J CURB TRANSITION

SCALE: N.T.S.

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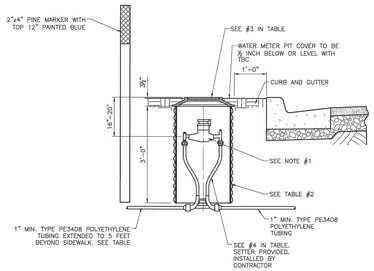
Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

Civil Details

C531

Printed: 16 Dec 2025 4:53 PM



TAP ON PVC PIPE

NOTES:
1. ¾" – 1" METERS PROVIDED AND INSTALLED BY CITY.
   1½" – 2" METERS PROVIDED BY CITY, INSTALLED BY CONTRACTOR.
2. WATER SERVICE TO BE LOCATED PER APPROVED UTILITY PLAN.
3. ALL CONNECTIONS SHALL BE MADE USING PACK JOINTS (COMPRESSION) TYPE FITTINGS WITH INSERTS.
4. NO. 14 GAUGE COPPER TRACER WIRE REQUIRED, ATTACHED TO WIRE AT MAIN AND EXTENDED INTO METER BOX.
5. WATER METER TO BE LOCATED 2' MIN. FROM DRIVEWAYS.

TABLE

	1	2	3	4	5
METER SIZE	BADGER METER MODEL	METER BOX SIZE, ADS/HDPE WHITE	LID D&L FOUNDRY 2" HOLE *	FORD COPPERSETTERS PART # *	
¾"	M-25	21" x 36"	L-2244	VBHC731BW4444QNL	1" POLY
1"	M-70	21" x 36"	L-2244	VBHC741BW4444QNL	1" POLY
1½"	M-120	30" DIA. x 30" DEEP	B-5076 w/ PICK HOLE	VBH761B1166NL	1½" POLY
2"	M-170	30" DIA. x 30" DEEP	B-5076 w/ PICK HOLE	VBH771B1177NL	2" POLY

* OR EQUIVALENT UPON APPROVAL BY TOWN/CITY

JUB

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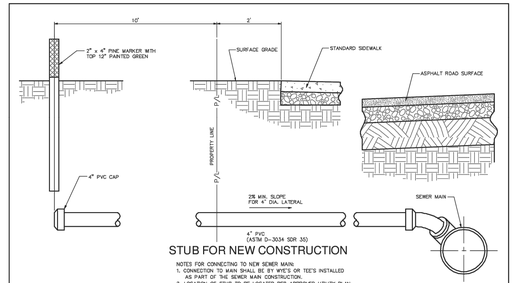
NO.	DESCRIPTION	BY	APP'D	DATE
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3				
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5				

VINEYARD — UTAH COMMUNITIES

TYPICAL CULINARY WATER CONNECTION

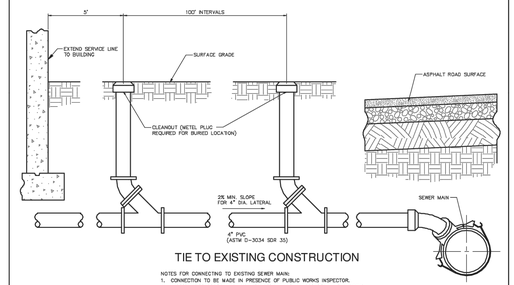
TOWN OF VINEYARD

STANDARD DRAWING NUMBER: 19
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APPV. PW DIR.: [illegible]
APPV. CITY MGR.: [illegible]
ADOPTED BY: [illegible]
ADOPTED DATE: SEPTEMBER 1, 2016



STUB FOR NEW CONSTRUCTION

NOTES FOR CONNECTING TO NEW SEWER MAIN:
1. CONNECTION TO MAIN SHALL BE BY WYE'S OR TEE'S INSTALLED AS PART OF THE SEWER MAIN CONSTRUCTION.
2. LOCATION OF STUB TO BE LOCATED PER APPROVED UTILITY PLAN.
3. SHOW CENTERLINE STATION OF THE LATERAL FROM THE NEAREST DOWNSTREAM MANHOLE. USE SAME STATIONING USED FOR SEWER MAIN.
4. TRAFFIC RATED CLEANOUT LID REQ'D IF LOCATED IN TRAFFIC AREAS.



TIE TO EXISTING CONSTRUCTION

NOTES FOR CONNECTING TO EXISTING SEWER MAIN:
1. CONNECTION TO BE MADE IN PRESENCE OF PUBLIC WORKS INSPECTOR.
2. INSERTA-TEE OR EQUAL INSTALLED PER MANUFACTURER RECOMMENDATIONS.
3. TRAFFIC RATED CLEANOUT LID REQ'D IF LOCATED IN TRAFFIC AREAS.

JUB

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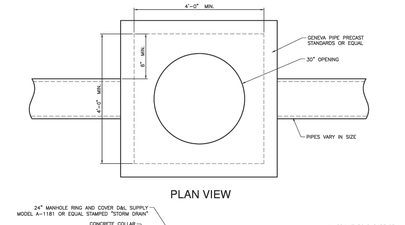
NO.	DESCRIPTION	BY	APP'D	DATE
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VINEYARD — UTAH COMMUNITIES

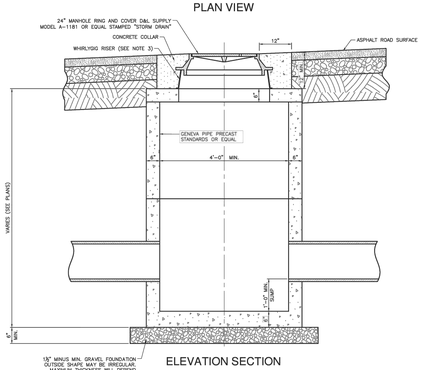
TYPICAL SEWER LATERAL

TOWN OF VINEYARD

STANDARD DRAWING NUMBER: 20
APPV. ENG.: [illegible]
APPV. PW DIR.: [illegible]
APPV. CITY MGR.: [illegible]
ADOPTED BY: [illegible]
ADOPTED DATE: SEPTEMBER 1, 2016



PLAN VIEW



ELEVATION SECTION

NOTES:
1. MANHOLE COVER TO BE A SOLID LID CONTAINING ONE PICK HOLE. SEE SPECIFICATION DIVISION 5 FOR COVER LABEL.
   D&L SUPPLY P/N A-1181 (OR EQUAL).
2. FLAT LIDS SHALL MEET H20 LIVE LOADING. NO FLAT RING AND COVERS WILL BE ALLOWED UNLESS APPROVED BY TOWN ENGINEER.
3. WHIRLYGIG RISER OR EQUAL SHALL BE USED INSTEAD OF GRADE RINGS TO ADJUST MANHOLE RING AND COVER TO GRADE.
4. 18" MAXIMUM WHIRLYGIG RISER HEIGHT.

JUB

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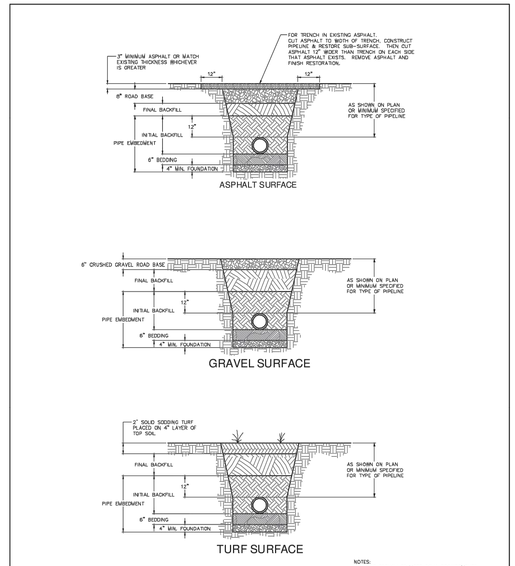
NO.	DESCRIPTION	BY	APP'D	DATE
1	REMOVE JOINT	JJM	JJM	12/16/25
2				
3				
4				
5				

VINEYARD — UTAH COMMUNITIES

STORM DRAIN JUNCTION BOX DETAIL

TOWN OF VINEYARD

STANDARD DRAWING NUMBER: 9A
APPV. ENG.: [illegible]
APPV. PW DIR.: [illegible]
APPV. CITY MGR.: [illegible]
ADOPTED BY: [illegible]
ADOPTED DATE: SEPTEMBER 1, 2016



NOTES:
1. SLOPE TRENCH TO MEET OSHA REQUIREMENTS (LATEST EDITION) OR USE TRENCH BOX.
2. FOUNDATION AND BEDDING MATERIAL AS REQUIRED.
3. INSTALL PIPELINES ON STABLE FOUNDATION WITH UNIFORM BEARING FOR FULL LENGTH OF BARREL. EXCAVATE IN BEDDING FOR ALL PIPE JOINTS.
4. NO PATCHES WITHIN EXISTING PATCHES.

JUB

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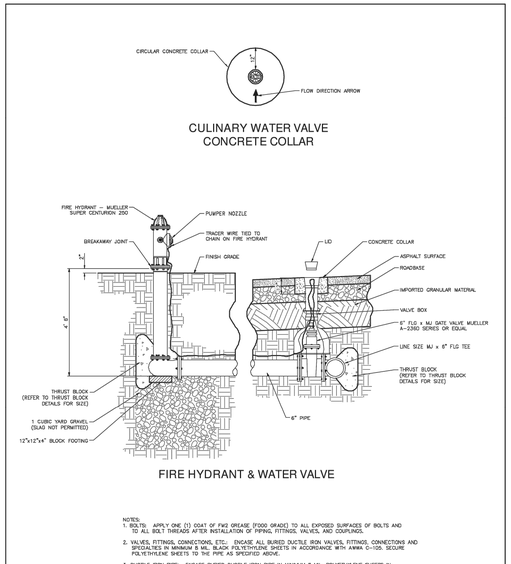
NO.	DESCRIPTION	BY	APP'D	DATE
1	REMOVE JOINT	JJM	JJM	12/16/25
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3				
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VINEYARD — UTAH COMMUNITIES

TYPICAL TRENCH SECTION

TOWN OF VINEYARD

STANDARD DRAWING NUMBER: 13
APPV. ENG.: [illegible]
APPV. PW DIR.: [illegible]
APPV. CITY MGR.: [illegible]
ADOPTED BY: [illegible]
ADOPTED DATE: SEPTEMBER 1, 2016



CULINARY WATER VALVE CONCRETE COLLAR

FIRE HYDRANT & WATER VALVE

NOTES:
1. BOLTS: APPLY ONE (1) COAT OF FWD GREASE (FOOD GRADE) TO ALL EXPOSED SURFACES OF BOLTS AND TO ALL BOLT THREADS AFTER INSTALLATION OF PIPING, FITTINGS, VALVES, AND COUPLINGS.
2. VALVES, FITTINGS, CONNECTIONS, ETC.: ENCASE ALL BURIED DUCTILE IRON VALVES, FITTINGS, CONNECTIONS AND SPECIALTIES IN MINIMUM 8 MIL. BLACK POLYETHYLENE SHEETS IN ACCORDANCE WITH AWWA C-105. SECURE POLYETHYLENE SHEETS TO THE PIPE AS SPECIFIED ABOVE.
3. DUCTILE IRON PIPE: ENCASE BURIED DUCTILE IRON PIPE IN MINIMUM 8 MIL. POLYETHYLENE SHEETS IN ACCORDANCE WITH AWWA C105 IN ALL AREAS AND SOIL TYPES AS SHOWN ON THE PROJECT PLANS OR AS SPECIFIED BY THE ENGINEER.
4. NO RISER KITS SHALL BE INSTALLED ABOVE FINISHED GRADE.

JUB

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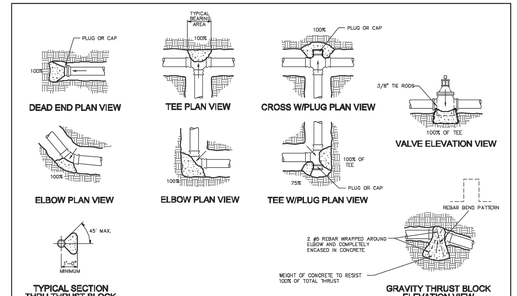
NO.	DESCRIPTION	BY	APP'D	DATE
1	REMOVE JOINT	JJM	JJM	12/16/25
2				
3				
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VINEYARD — UTAH COMMUNITIES

FIRE HYDRANT AND WATER VALVE DETAIL

TOWN OF VINEYARD

STANDARD DRAWING NUMBER: 17
APPV. ENG.: [illegible]
APPV. PW DIR.: [illegible]
APPV. CITY MGR.: [illegible]
ADOPTED BY: [illegible]
ADOPTED DATE: SEPTEMBER 1, 2016



NOTES:
1. THE FIGURE (100%) AT THE THRUST BLOCK INDICATES PER CENT OF TOTAL THRUST TO BE APPLIED FOR BEARING AREA.
2. THE ARROW (←——) INDICATES THRUST DIRECTION.
3. ALL BOLTS AND NUTS SHALL BE COATED WITH GREASE.
4. ALL MJ AND FLANGED FITTINGS TO BE WRAPPED WITH 8 MIL POLYETHYLENE PRIOR TO PLACING CONCRETE THRUST BLOCK.
5. WHERE SUFFICIENT BEARING SURFACE IS NOT AVAILABLE FOR THRUST BLOCK, MEGALUG THRUST RESTRAINING GLANDS MAY BE USED. MEGALUG THRUST RESTRAINING GLANDS SHALL BE USED ON ALL PIPE SIZES WHERE MECHANICAL COUPLINGS AND JOINT RESTRAINTS. ANY USE OF MEGALUG OR CHANGE TO THE THRUST BEARING CHART MUST BE REVIEWED BY THE ENGINEER.
6. MEGALUGS OR EQUAL REQ'D AT ALL FITTING TO PIPE JOINTS.

TABLE 1

USE WHEN LINE PRESSURE AND SOIL BEARING STRENGTH ARE KNOWN.

LINE PRESSURE psi
TEST PRESSURE (#) = 1.0 psi
SOIL BEARING STRENGTH psf
(SOIL BEARING STRENGTH DETERMINED FROM A GEOTECHNICAL INVESTIGATION)

SIDE THRUST (lbs.) PER 1 PSI LINE PRESSURE

PIPE SIZE (")	PIPE AREA (sq. in.)	DEAD END OR TEE (lbs.)	90° BEND (lbs.)	45° BEND (lbs.)	22.5° BEND (lbs.)	11.25° BEND (lbs.)
4	14.29	22	31	17	9	5
6	31.17	49	68	37	19	10
8	56.88	88	121	66	34	17
10	89.52	131	180	100	51	26
12	124.29	187	264	143	73	37
14	168.53	253	356	194	99	50
16	219.56	330	466	252	129	65
18	277.58	417	589	319	163	82
20	342.41	514	727	394	201	101
24	490.09	738	1040	563	287	145
30	757.66	1137	1606	870	444	223

TABLE 2

USE WHEN LINE PRESSURE AND SOIL BEARING STRENGTH ARE NOT KNOWN.

LINE PRESSURE 150 psi
TEST PRESSURE (#) = 1.0 x 150 psi
SOIL BEARING STRENGTH = 3,000 psf

AREA OF BEARING REQUIRED (sq. ft.)

PIPE SIZE (")	PIPE AREA (sq. in.)	DEAD END OR TEE (lbs.)	90° BEND (lbs.)	45° BEND (lbs.)	22.5° BEND (lbs.)	11.25° BEND (lbs.)
4	14.29	1.7	2.4	1.3	0.7	0.3
6	31.17	2.8	3.5	2.0	1.3	0.8
8	56.88	6.8	9.7	5.2	2.7	1.3
10	89.82	10.1	14.9	8.0	4.1	2.0
12	124.29	14.9	21.1	11.4	5.8	2.9
14	168.53	20.2	28.6	15.5	7.9	4.0
16	219.56	26.3	37.3	20.2	10.3	5.2
18	277.58	33.3	47.1	25.5	13.0	6.5
20	342.41	41.1	58.1	31.4	16.0	8.1
24	490.09	58.8	83.2	45.0	22.0	11.2
30	757.66	90.9	128.6	69.6	35.5	17.8

EXAMPLE FOR TABLE 1:
8" DEAD END
LINE PRESSURE = 150 psi
FROM TABLE: THRUST PER 1 psi =121 lbs
CALCULATE TOTAL THRUST: 150 psi x 121 lbs/psi = 12,100 lbs
SOIL BEARING STRENGTH = 2,000 psf
AREA OF BEARING REQUIRED FOR THRUST BLOCK IS 6.1 sq. ft. (12,100 lbs / 2,000 psf = 6.1 sf. ft.)

* PIPE AREA IS BASED ON LARGEST ACTUAL INSIDE DIAMETER OF DUCTILE IRON PIPE.

JUB

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REVISION

NO.	DESCRIPTION	BY	APP'D	DATE
1	REMOVE JOINT	JJM	JJM	12/16/25
2				
3				
4				
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VINEYARD — UTAH COMMUNITIES

THRUST BLOCK DETAILS

TOWN OF VINEYARD

STANDARD DRAWING NUMBER: 18
APPV. ENG.: [illegible]
APPV. PW DIR.: [illegible]
APPV. CITY MGR.: [illegible]
ADOPTED BY: [illegible]
ADOPTED DATE: SEPTEMBER 1, 2016

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County Parcel: 39:228:0001
BHD #: 2346
Date: 15 Aug 2024

Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

Civil Details

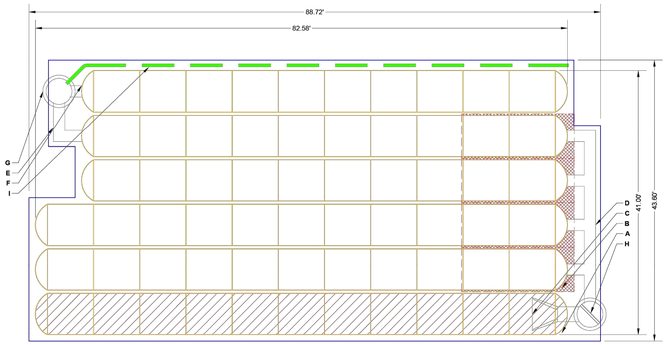
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PROPOSED LAYOUT		CONCEPTUAL ELEVATIONS:	
63	STORMTECH MC-3500 CHAMBERS	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED):	12.50
12	STORMTECH MC-3500 END CAPS	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC):	6.50
12	STONE ABOVE (in)	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC):	6.00
9	STONE BELOW (in)	MINIMUM ALLOWABLE GRADE (TOP OF RIGID CONCRETE PAVEMENT):	6.00
40	STONE VOID	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT):	6.00
12466	INSTALLED SYSTEM VOLUME (CF) (PERIMETER STONE INCLUDED) (COVER STONE INCLUDED) (BASE STONE INCLUDED)	TOP OF STONE:	5.50
		TOP OF MC-3500 CHAMBER:	4.50
		24" ISOLATOR ROW PLUS INVERT:	0.92
		18" x 18" BOTTOM MANIFOLD INVERT:	0.92
3728	SYSTEM AREA (SF)	18" x 18" BOTTOM MANIFOLD INVERT:	0.90
272.9	SYSTEM PERIMETER (ft)	18" BOTTOM CONNECTION INVERT:	0.90
698	THERMOPLASTIC LINER (SY) (20% OVERAGE)	BOTTOM OF MC-3500 CHAMBER:	0.75
		UNDERDRAIN INVERT:	0.08
		BOTTOM OF STONE:	0.00

*INVERT ABOVE BASE OF CHAMBER

PART TYPE	ITEM ON LAYOUT	DESCRIPTION	INVERT*	MAX FLOW
PREFABRICATED END CAP	A	24" BOTTOM CORED END CAP, PART#: MC3500IEPP24BC / TYP OF ALL 24" BOTTOM CONNECTIONS AND ISOLATOR PLUS ROWS	2.06"	
PREFABRICATED END CAP	B	18" BOTTOM CORED END CAP, PART#: MC3500IEPP18BC / TYP OF ALL 18" BOTTOM CONNECTIONS	1.77"	
LAMP	C	INSTALL FLAMP ON 24" ACCESS PIPE / PART#: MCFLAMP		
MANIFOLD	D	18" x 18" BOTTOM MANIFOLD, ADS N-12	1.77"	
MANIFOLD	E	18" x 18" BOTTOM MANIFOLD, ADS N-12	1.77"	
PIPE CONNECTION	F	18" BOTTOM CONNECTION	1.77"	
CONCRETE STRUCTURE	G	OCS (DESIGN BY ENGINEER / PROVIDED BY OTHERS)		8.0 CFS OUT
CONCRETE STRUCTURE	H	(DESIGN BY ENGINEER / PROVIDED BY OTHERS)		20.9 CFS IN
WIER				
UNDERDRAIN	I	6" ADS N-12 DUAL WALL PERFORATED HDPE UNDERDRAIN		



ISOLATOR ROW PLUS (SEE DETAIL)

PLACE MINIMUM 17.50' OF ADSPLUS125 WOVEN GEOTEXTILE OVER BEDDING STONE AND UNDERNEATH CHAMBER FEET FOR SCOUR PROTECTION AT ALL CHAMBER INLET ROWS

THERMOPLASTIC LINER (SEE TECH NOTE #6.50 PROVIDED BY OTHERS / DESIGN BY OTHERS)

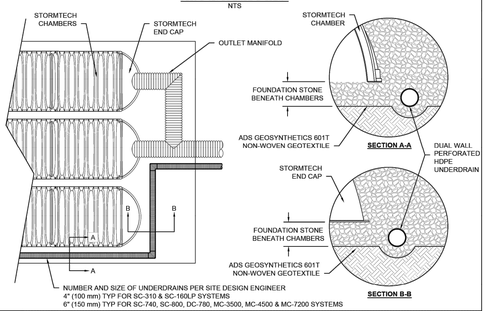
NOTES

- MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECH NOTE #6.32 FOR MANIFOLD SIZING GUIDANCE.
- DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
- THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.
- THIS CHAMBER SYSTEM WAS DESIGNED WITHOUT SITE-SPECIFIC INFORMATION ON SOIL CONDITIONS OR BEARING CAPACITY. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR DETERMINING THE SUITABILITY OF THE SOIL AND PROVIDING THE BEARING CAPACITY OF THE INSITU SOILS. THE BASE STONE DEPTH MAY BE INCREASED OR DECREASED ONCE THIS INFORMATION IS PROVIDED.
- ADS DOES NOT DESIGN OR PROVIDE MEMBRANE LINER SYSTEMS FOR CISTERNS (RAINWATER HARVESTING). TO MINIMIZE THE LEAKAGE POTENTIAL OF LINER SYSTEMS, THE MEMBRANE LINER SYSTEM SHOULD BE DESIGNED BY A KNOWLEDGEABLE GEOTEXTILE PROFESSIONAL AND INSTALLED BY A QUALIFIED CONTRACTOR.
- **NOT FOR CONSTRUCTION:** THIS LAYOUT IS FOR DIMENSIONAL PURPOSES ONLY TO PROVE CONCEPT & THE REQUIRED STORAGE VOLUME CAN BE ACHIEVED ON SITE.

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UNDERDRAIN DETAIL

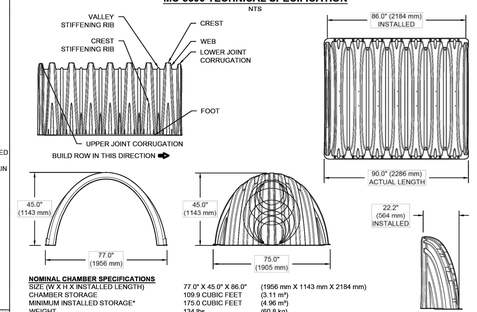
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4 UNDERDRAIN DETAIL

MC-3500 TECHNICAL SPECIFICATION

NTS



NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	77.0" X 45.0" X 86.0"	(1956 mm X 1143 mm X 2184 mm)
CHAMBER STORAGE	109.9 CUBIC FEET	(3.11 m³)
MINIMUM INSTALLED STORAGE*	175.0 CUBIC FEET	(4.96 m³)
WEIGHT	134 lbs.	(60.8 kg)

NOMINAL END CAP SPECIFICATIONS

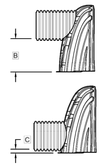
SIZE (W X H X INSTALLED LENGTH)	75.0" X 45.0" X 22.2"	(1905 mm X 1143 mm X 564 mm)
END CAP STORAGE	14.9 CUBIC FEET	(0.42 m³)
MINIMUM INSTALLED STORAGE*	45.1 CUBIC FEET	(1.28 m³)
WEIGHT	49 lbs.	(22.2 kg)

*ASSUMES 12" (305 mm) STONE ABOVE, 9" (229 mm) STONE FOUNDATION, 6" SPACING BETWEEN CHAMBERS, 6" (152 mm) STONE PERIMETER IN FRONT OF END CAPS AND 40% STONE POROSITY

STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"
END CAPS WITH A WELDED CROWN PLATE END WITH "C"
END CAPS WITH A PREFABRICATED WELDED STUB END WITH "W"

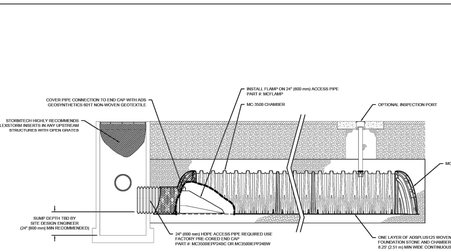
PART #	STUB	B	C
MC3500IEPP06T	6" (150 mm)	33.21" (844 mm)	---
MC3500IEPP06B		---	0.66" (17 mm)
MC3500IEPP08T	8" (200 mm)	31.16" (791 mm)	---
MC3500IEPP08B		---	0.81" (21 mm)
MC3500IEPP10T	10" (250 mm)	29.04" (738 mm)	---
MC3500IEPP10B		---	0.93" (24 mm)
MC3500IEPP12T	12" (300 mm)	26.36" (670 mm)	---
MC3500IEPP12B		---	1.35" (34 mm)
MC3500IEPP15T	15" (375 mm)	23.39" (594 mm)	---
MC3500IEPP15B		---	1.50" (38 mm)
MC3500IEPP18TC	18" (450 mm)	20.03" (509 mm)	---
MC3500IEPP18TW			
MC3500IEPP18BC		---	1.77" (45 mm)
MC3500IEPP18BW			
MC3500IEPP24TC	24" (600 mm)	14.48" (368 mm)	---
MC3500IEPP24TW			
MC3500IEPP24BC		---	2.06" (52 mm)
MC3500IEPP24BW			
MC3500IEPP30BC	30" (750 mm)	---	2.75" (70 mm)

NOTE: ALL DIMENSIONS ARE NOMINAL



CUSTOM PRECORED INVERTS ARE AVAILABLE UPON REQUEST. INVENTORIED MANIFOLDS INCLUDE 12-24" (300-600 mm) SIZE ON SIZE AND 15-48" (375-1200 mm) ECCENTRIC MANIFOLDS. CUSTOM INVERT LOCATIONS ON THE MC-3500 END CAP CUT IN THE FIELD ARE NOT RECOMMENDED FOR PIPE SIZES GREATER THAN 10" (250 mm). THE INVERT LOCATION IN COLUMN 'B' ARE THE HIGHEST POSSIBLE FOR THE PIPE SIZE.

2 MC-3500 TECHNICAL SPECIFICATION



MC-3500 ISOLATOR ROW PLUS DETAIL

NTS

INSPECTION & MAINTENANCE

STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
  - A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
  - A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
  - A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
  - A.4. LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
  - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR PLUS ROWS
  - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
  - B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
    - i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
    - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
  - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1.1 m) OR MORE IS PREFERRED
- B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- C. VACUUM STRUCTURE SUMP AS REQUIRED

STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

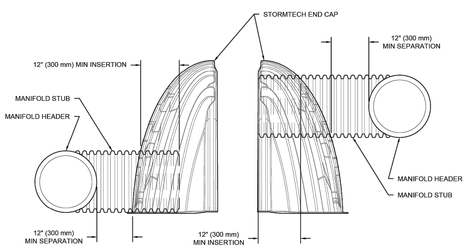
1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

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3 MC-3500 ISOLATOR ROW PLUS DETAIL

MC-SERIES END CAP INSERTION DETAIL

NTS



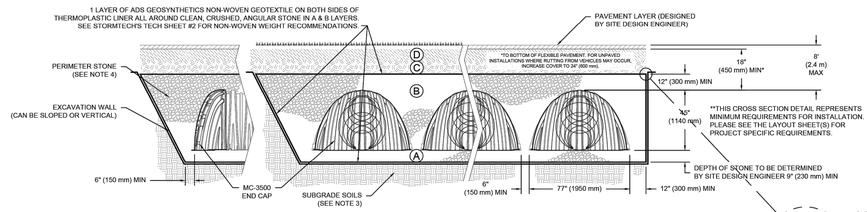
NOTE: MANIFOLD STUB MUST BE LAID HORIZONTAL FOR A PROPER FIT IN END CAP OPENING.

5 MC-SERIES END CAP INSERTION DETAIL

ACCEPTABLE FILL MATERIALS: STORMTECH MC-3500 CHAMBER SYSTEMS

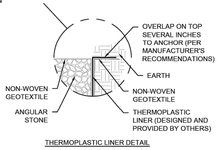
	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	**INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE (18" LAYER) TO 24" (600 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145[4] A-1, A-2-4, A-3 OR AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 24" (600 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 12" (300 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS.
B	**EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE[5]	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	**FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE[5]	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE.[2,3]

PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (230 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.
5. WHERE RECYCLED CONCRETE AGGREGATE IS USED IN LAYERS 'A' OR 'B' THE MATERIAL SHOULD ALSO MEET THE ACCEPTABILITY CRITERIA OUTLINED IN TECHNICAL NOTE 6.20 "RECYCLED CONCRETE STRUCTURAL BACKFILL".



NOTES:

1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 45x76 DESIGNATION SS.
2. MC-3500 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 450 LBS/FT/% THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.



THERMOPLASTIC LINER DETAIL

1 MC-3500 CROSS SECTION DETAIL

DRAWN: DC
CHECKED: N/A
DATE:
PROJECT #:
REV:
NOT TO SCALE

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VINEYARD, UT, USA

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

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ADS.

THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO ADS UNDER THE DIRECTION OF THE SITE DESIGN ENGINEER OR OTHER PROJECT REPRESENTATIVE. THE SITE DESIGN ENGINEER SHALL REVIEW THIS DRAWING PRIOR TO CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE SITE DESIGN ENGINEER TO ENSURE THAT THE PRODUCT(S) DEPICTED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.

SHEET
1 OF 1

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65 East Wadsworth Park Drive
Suite 205 Draper, Utah 84020

PROFESSIONAL ENGINEER
12-16-25
No. 14088925-2202
DANIEL J. CANNING
STATE OF UTAH

Springwater 9
Vineyard UT Springwater Stake
Approx. 542 South Geneva Road
Vineyard, Utah 84059

Owner #: 502-2004
Plan Series: G300-MH-11
County Parcel: 39:228:0001
BHD #: 2346
Date: 15 Aug 2024

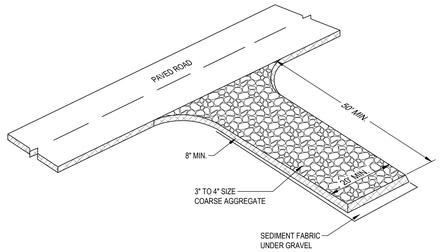
Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

Civil Details

C551

Printed: 12 May 2025 2:50 PM



DESCRIPTION:
A STABILIZED PAD OF CRUSHED STONE LOCATED WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES THE SITE FROM OR TO PAVED SURFACE.

APPLICATIONS:
AT ANY POINT OF INGRESS OR EGRESS AT A CONSTRUCTION SITE WHERE ADJACENT TRAVELED WAY IS PAVED. GENERALLY APPLIES TO SITES OVER 2 ACRES UNLESS SPECIAL CONDITIONS EXIST.

INSTALLATION/APPLICATION CRITERIA:
- CLEAR GRUB AREA AND GRAD TO PROVIDE MAXIMUM SLOPE OF 2%.
- COMPACT SUB GRADE AND PLACE FILTER FABRIC IF DESIRED (RECOMMENDED FOR ENTRANCES TO REMAIN FOR MORE THAN 3 MONTHS.
- PLACE COARSE AGGREGATE, 1 TO 2-1/2 INCHES IN SIZE, TO A MINIMUM DEPTH OF 8 INCHES.

LIMITATIONS:
- REQUIRES PERIODIC TOP DRESSING WITH ADDITIONAL STONES.
- SHOULD BE USED IN CONJUNCTION WITH STREET SWEEPING ON ADJACENT PUBLIC RIGHT-OF-WAY.

MAINTENANCE:
- INSPECT DAILY FOR LOSS OF GRAVEL OR SEDIMENT BUILDUP.
- INSPECT ADJACENT ROADWAY FOR SEDIMENT DEPOSIT AND CLEAN BY SWEEPING OR SHOVELING.
- REPAIR ENTRANCE AND REPLACE GRAVEL AS REQUIRED TO MAINTAIN CONTROL IN GOOD WORKING CONDITION.
- EXPAND STABILIZED AREA AS REQUIRED TO ACCOMMODATE TRAFFIC AND PREVENT EROSION AT DRIVEWAYS.

OBJECTIVES
- ※ HOUSEKEEPING PRACTICES
- □ CONTAIN WASTE
- □ MINIMIZE DISTURBED AREA
- □ STABILIZE DISTURBED AREA
- □ PROTECT SLOPES/CHANNELS
- ※ CONTROL SITE PERIMETER
- □ CONTROL INTERNAL EROSION

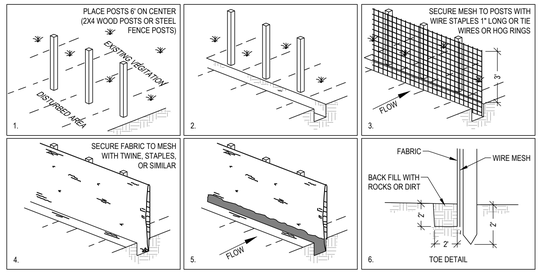
TARGETED POLLUTANTS
- ■ SEDIMENT
- □ NUTRIENTS
- □ TOXIC MATERIALS
- □ OIL & GREASE
- □ FLOATABLE MATERIALS
- □ OTHER WASTE

- ■ HIGH IMPACT
- ※ MEDIUM IMPACT
- □ LOW OR UNKNOWN IMPACT

IMPLEMENTATION REQUIREMENTS
- ■ CAPITAL COSTS
- ※ O & M COSTS
- ※ MAINTENANCE
- □ TRAINING

■ HIGH ※ MEDIUM □ LOW

STABILIZED CONSTRUCTION ENTRANCE C1
SCALE: N.T.S.



DESCRIPTION:
A TEMPORARY SEDIMENT BARRIER CONSISTING OF ENTRENCHED FILTER FABRIC STRETCHED ACROSS AND SECURED TO SUPPORTING POSTS.

APPLICATIONS:
- PERIMETER CONTROL: PLACER BARRIER AT DOWNGRADE LIMITS OF DISTURBANCE.
- SEDIMENT BARRIER: PLACE BARRIER AT TOE OF SLOPE OR SOIL STOCKPILE.
- PROTECTION OF EXISTING WATERWAYS: PLACE BARRIER AT TOP OF STREAM BANK
- INLET PROTECTION: PLACE FENCE SURROUNDING CATCH BASINS

INSTALLATION/APPLICATION CRITERIA:
- PLACE POSTS 6 FEET APART ON CENTER ALONG CONTOUR (OR USE PRE-ASSEMBLED UNIT) AND DRIVE 2 FEET MINIMUM INTO GROUND. EXCAVATE AN ANCHOR TRENCH IMMEDIATELY UPGRADIENT OF POSTS
- SECURE WIRE MESH (14 GAGE MIN. WITH 6 INCH OPENINGS) TO UPSLOPE SIDE OF POSTS. ATTACH WITH HEAVY DUTY 1 INCH LONG WIRE STAPLES, TIE WIRES OR HOG RINGS.
- CUT FABRIC TO REQUIRED WIDTH, UNROLL ALONG LENGTH OF BARRIER AND DRAPE OVER BARRIER. SECURE FABRIC TO MESH WITH TWINE, STAPLES, OR SIMILAR, WITH TRAILING EDGE EXTENDING INTO ANCHOR TRENCH.
- BACKFILL OVER FILTER FABRIC TO ANCHOR.

LIMITATIONS:
- RECOMMENDED MAXIMUM DRAINAGE AREA OF 0.5 ACRE PER 100 FEET OF FENCE.
- RECOMMENDED MAXIMUM UPGRADIENT SLOPE LENGTH OF 150 FEET.
- RECOMMENDED MAXIMUM UPHILL GRADE OF 2:1 (50%).
- RECOMMENDED MAXIMUM FLOW RATE OF 0.5 CFS.
- PONDING SHOULD NOT BE ALLOWED BEHIND FENCE.

MAINTENANCE:
- INSPECT IMMEDIATELY AFTER ANY RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
- LOOK FOR RUNOFF BYPASSING ENDS OF BARRIERS OR UNDERCUTTING BARRIERS.
- REPAIR OR REPLACE DAMAGED AREAS OF THE BARRIER AND REMOVE ACCUMULATED SEDIMENT.
- REANCHOR FENCE AS NECESSARY TO PREVENT SHORTCUTTING.
- REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/2 THE HEIGHT OF THE FENCE.

OBJECTIVES
- □ HOUSEKEEPING PRACTICES
- □ CONTAIN WASTE
- □ MINIMIZE DISTURBED AREA
- □ STABILIZE DISTURBED AREA
- □ PROTECT SLOPES/CHANNELS
- ※ CONTROL SITE PERIMETER
- ※ CONTROL INTERNAL EROSION

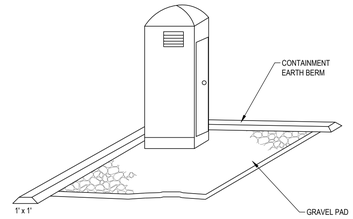
TARGETED POLLUTANTS
- ■ SEDIMENT
- □ NUTRIENTS
- □ TOXIC MATERIALS
- □ OIL & GREASE
- □ FLOATABLE MATERIALS
- □ OTHER WASTE

- ■ HIGH IMPACT
- ※ MEDIUM IMPACT
- □ LOW OR UNKNOWN IMPACT

IMPLEMENTATION REQUIREMENTS
- ※ CAPITAL COSTS
- ※ O & M COSTS
- ※ MAINTENANCE
- □ TRAINING

■ HIGH ※ MEDIUM □ LOW

SILT FENCE C3
SCALE: N.T.S.



DESCRIPTION:
TEMPORARY ON-SITE SANITARY FACILITIES FOR CONSTRUCTION PERSONNEL.

APPLICATIONS:
- ALL SITES WITH NO PERMANENT SANITARY FACILITIES OR WHERE PERMANENT FACILITY IS TO FAR FROM ACTIVITIES.

INSTALLATION/APPLICATION CRITERIA:
- LOCATE PORTABLE TOILETS IN CONVENIENT LOCATIONS THROUGHOUT THE SITE.
- PREPARE LEVEL, GRAVEL SURFACE AND PROVIDE CLEAR ACCESS TO THE TOILETS FOR SERVICING AND FOR ON-SITE PERSONNEL.
- CONSTRUCT EARTH BERM PERIMETER (SEE EARTH BERM BARRIER INFORMATION SHEET), CONTROL FOR SPILL/PROTECTION LEAK.

LIMITATIONS:
- NO LIMITATIONS

MAINTENANCE:
- PORTABLE TOILETS SHOULD BE MAINTAINED IN GOOD WORKING ORDER BY LICENSED SERVICE WITH DAILY OBSERVATION FOR LEAK DETECTION.
- REGULAR WASTE COLLECTION SHOULD BE ARRANGED WITH LICENSED SERVICE.
- ALL WASTE SHOULD BE DEPOSITED IN SANITARY SEWER SYSTEM FOR TREATMENT WITH APPROPRIATE AGENCY APPROVAL.

OBJECTIVES
- □ HOUSEKEEPING PRACTICES
- ※ CONTAIN WASTE
- □ MINIMIZE DISTURBED AREA
- □ STABILIZE DISTURBED AREA
- □ PROTECT SLOPES/CHANNELS
- □ CONTROL SITE PERIMETER
- □ CONTROL INTERNAL EROSION

TARGETED POLLUTANTS
- □ SEDIMENT
- □ NUTRIENTS
- □ TOXIC MATERIALS
- □ OIL & GREASE
- □ FLOATABLE MATERIALS
- ■ OTHER WASTE

- ■ HIGH IMPACT
- ※ MEDIUM IMPACT
- □ LOW OR UNKNOWN IMPACT

IMPLEMENTATION REQUIREMENTS
- ※ CAPITAL COSTS
- ※ O & M COSTS
- ※ MAINTENANCE
- □ TRAINING

■ HIGH ※ MEDIUM □ LOW

PORTABLE TOILETS C5
SCALE: N.T.S.

FILTERSOCK SPECIFICATION:

FILTREXX FILTERSOCK INSTALLATION AND MAINTENANCE

1.0 DESCRIPTION:
THIS WORK SHALL CONSIST OF FURNISHING, INSTALLING, MAINTAINING AND DISPERSING (IF NEEDED) A WATER PERMEABLE COMPOST FILTER SOCK (FILTREXX FILTERSOCK) TO CONTAIN SOIL EROSION AND SEDIMENT BY REMOVING SOIL PARTICLES FROM WATER MOVING OFF SITE INTO ADJACENT WATERWAYS OR STORM WATER DRAINAGE SYSTEMS. FILTERSOCKS WILL BE USED AS A FORM OF INLET PROTECTION FOR OPERATIONAL STORM DRAINAGE SYSTEMS.

2.0 COMPOST PRODUCTS USED TO FILL FILTREXX FILTERSOCKS
1. COMPOST: COMPOST USED FOR FILTREXX FILTERSOCKS SHALL BE WEED FREE AND DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER. THE COMPOST SHALL BE PRODUCED USING AN AEROBIC COMPOSTING PROCESS MEETING CFR 503 REGULATIONS, INCLUDING TIME AND TEMPERATURE DATA INDICATING EFFECTIVE WEED SEED, PATHOGEN AND INSECT LARVAE KILL. THE COMPOST SHALL BE FREE OF ANY REFUSE, CONTAMINANTS OR OTHER MATERIALS TOXIC TO PLANT GROWTH. NON-COMPOSTED PRODUCTS WILL NOT BE ACCEPTED. TEST METHODS FOR THE ITEMS BELOW SHOULD FOLLOW USCC TMECC GUIDELINES FOR LABORATORY PROCEDURES:
   A. PH - 5.0-8.0 IN ACCORDANCE WITH TMECC 04.11-A, "ELECTROMETRIC PH DETERMINATIONS FOR COMPOST"
   B. PARTICLE SIZE - 99% PASSING A 1" SIEVE, 90% PASSING A _" SIEVE AND A MINIMUM OF 70% GREATER THAN THE 3/8" SIEVE. A TOTAL OF 98 % SHALL NOT EXCEED 3 INCHES IN LENGTH, IN ACCORDANCE WITH TMECC 02.02-B, "SAMPLE SIEVING FOR AGGREGATE SIZE CLASSIFICATION"
   C. MOISTURE CONTENT OF LESS THAN 60% IN ACCORDANCE WITH STANDARDIZED TEST METHODS FOR MOISTURE DETERMINATION.
   D. MATERIAL SHALL BE RELATIVELY FREE (<1% BY DRY WEIGHT) OF INERT OR FOREIGN MAN MADE MATERIALS. E. A SAMPLE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO BEING USED AND MUST COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

3.0 CONSTRUCTION AND INSTALLATION OF FILTREXX FILTERSOCKS:
1. FILTREXX FILTERSOCKS WILL BE USED AS A FORM OF INLET PROTECTION ON CONSTRUCTION SITES WHICH REQUIRE PROTECTION AGAINST SEDIMENT LADEN WATER AFTER STORM DRAINS BECOME OPERATIONAL.
2. FILTREXX FILTERSOCKS WILL BE PLACED AT LOCATIONS INDICATED ON PLANS AS DIRECTED BY THE ENGINEER. FILTERSOCKS SHOULD BE INSTALLED IN A PATTERN THAT ALLOWS COMPLETE PROTECTION OF THE INLET AREA.
3. INSTALLATION OF FILTREXX FILTERSOCKS WILL ENSURE A MINIMAL OVERLAP OF AT LEAST ONE FOOT ON EITHER SIDE OF THE OPENING BEING PROTECTED. THE FILTERSOCKS WILL BE ANCHORED TO THE SOIL BEHIND THE CURB USING STAPLES, STAKES OR OTHER DEVICES CAPABLE OF HOLDING THE FILTERSOCK IN PLACE.
4. STANDARD SIZES OF FILTERSOCKS FOR INLET PROTECTION WILL BE 8" DIAMETER PRODUCTS. IN SEVERE FLOW SITUATIONS, LARGER FILTERSOCKS MAY BE RECOMMENDED BY THE ENGINEER.
5. FILTERSOCKS SHALL BE CONSTRUCTED OF A WOVEN MATERIAL AND FILLED WITH A COMPOST PRODUCT THAT PASSES THE CRITERIA LISTED IN SECTION 2.
6. IF THE FILTERSOCKS BECOME CLOGGED WITH DEBRIS AND SEDIMENT, THEY SHALL BE MAINTAINED SO AS TO ASSURE A PROPER DRAINAGE AND WATER FLOW INTO THE STORM DRAIN. IN SEVERE STORM EVENTS, OVERFLOW OF THE FILTERSOCK MAY BE ACCEPTABLE IN ORDER TO KEEP THE AREA FROM FLOODING.
7. THE FILTERSOCKS SHALL BE POSITIONED SO AS TO PROVIDE COMPLETE PHYSICAL BARRIER TO THE DRAIN ITSELF, ALLOWING SEDIMENT TO COLLECT ON THE OUTSIDE OF THE FILTERSOCKS. SEE ATTACHED SCHEMATIC FOR FILTREXX FILTERSOCK INSTALLATION.
8. FOR AREAS WHERE FILTERSOCKS ARE TO BE LEFT AS A PERMANENT PART OF THE LANDSCAPE, FILTERSOCKS MAY BE SEEDED DURING TIME OF MANUFACTURE TO CREATE A LIVING SOCK. FOR SEEDING OPTIONS, THE ENGINEER MAY SIMPLY REPLACE ALL LANGUAGE ABOVE WITH "LIVING FILTREXX FILTERSOCKS"

4.0 MAINTENANCE:
1. THE CONTRACTOR SHALL MAINTAIN FILTREXX FILTERSOCKS IN A FUNCTIONAL CONDITION AT ALL TIMES AND IT SHALL BE ROUTINELY INSPECTED.
2. WHERE THE FILTERSOCK REQUIRES REPAIR, IT WILL BE ROUTINELY REPAIRED.
3. THE CONTRACTOR SHALL REMOVE SEDIMENTS COLLECTED AT THE BASE OF THE FILTERSOCK WHEN THEY REACH 1/3 OF THE EXPOSED HEIGHT OF THE FILTERSOCK, OR AS DIRECTED BY THE ENGINEER.
4. THE FILTREXX FILTERSOCK WILL BE DISPERSED ON SITE WHEN NO LONGER REQUIRED, AS DETERMINED BY THE ENGINEER. THE NETTING MATERIAL WILL BE DISPOSED OF IN NORMAL TRASH CONTAINERS OR REMOVED BY THE CONTRACTOR.
5. REGULAR MAINTENANCE INCLUDES LIFTING THE FILTREXX FILTERSOCKS AND CLEANING UNDER THEM AS SEDIMENT COLLECTS.

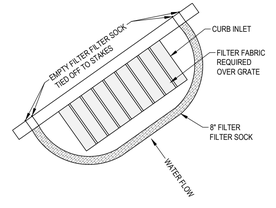
5.0 METHOD OF MEASUREMENT:
BID ITEMS SHALL SHOW MEASUREMENT AS `FILTREXX FILTERSOCK' PER LINEAR FOOT, INSTALLED OR PER INLET, AS SPECIFIED BY THE ENGINEER.

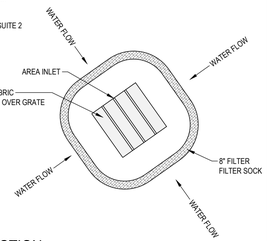
6.0 PERFORMANCE:
1. CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING A WORKING EROSION CONTROL SYSTEM AND MAY, WITH APPROVAL OF THE ENGINEER, WORK OUTSIDE THE MINIMUM CONSTRUCTION REQUIREMENTS AS NEEDED.
2. WHERE THE FILTERSOCK DETERIORATES OR FAILS, IT WILL BE REPAIRED OR REPLACED WITH A MORE EFFECTIVE ALTERNATIVE.
3. CONTRACTOR IS REQUIRED TO BE A CERTIFIED FILTREXX INSTALLER AS DETERMINED BY FILTREXX INTERNATIONAL, LLC (440-926-8041 OR VISIT WEBSITE AT FILTREXX.COM). CERTIFICATION SHALL BE CONSIDERED CURRENT IF APPROPRIATE IDENTIFICATION IS SHOWN DURING TIME OF BID OR AT TIME OF APPLICATION.

7.0 APPLICATION GUIDELINES:
1. FILTREXX FILTERSOCKS SHALL EITHER BE MADE ON SITE OR DELIVERED TO THE JOBSITE USING A 3 MIL TUBULAR HDPE KNITTED MESH NETTING MATERIAL, FILLED WITH COMPOST PASSING THE ABOVE SPECIFICATIONS FOR COMPOST PRODUCTS AS OUTLINED IN 2.0.
2. FILTREXX FILTERSOCKS NETTING MATERIALS ARE AVAILABLE ONLY FROM FILTREXX INTERNATIONAL, LLC AND ARE THE ONLY CERTIFIED MESH MATERIALS ACCEPTED IN CREATING FILTREXX PRODUCTS ON SITE OR AS DELIVERED TO THE JOB SITE. STANDARD FILTREXX COLOR CODING SYSTEMS INCLUDE YELLOW AND BLACK STRIPED MESH NETTING WITH 3/8" MESH OPENINGS FOR INLET PROTECTION. OTHER COLORS ARE ONLY ACCEPTABLE AS APPROVED BY BOTH THE ENGINEER AND FILTREXX INTERNATIONAL, LLC.
3. CONTRACTOR IS REQUIRED TO BE A CERTIFIED FILTREXX INSTALLER AS DETERMINED BY FILTREXX INTERNATIONAL, LLC (440-926-8041 OR VISIT WEBSITE AT FILTREXX.COM). CERTIFICATION SHALL BE CONSIDERED CURRENT IF APPROPRIATE IDENTIFICATION IS SHOWN DURING TIME OF BID OR AT TIME OF APPLICATION.

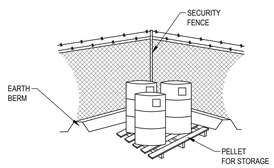
8.0 AVAILABLE VENDORS FILTREXX FILTERSOCKS MAY BE PURCHASED FROM THE FOLLOWING CERTIFIED FILTREXX INSTALLERS:

WINDSWEPT ORGANIX INC.
WORK: 480-963-4638
FAX: 408-940-4261
850 SOUTH BOGLE AVE, SUITE 2
CHANDLER, AZ 85225





SEDIMENT BARRIER / FILTER SOCK PROTECTION A1
SCALE: N.T.S. © REPLENISH



- CONTROLLED STORAGE LOCATION
- BERMED PERIMETER IMPOUNDMENT
- STORAGE OFF GROUND
- COVER WHEN NOT IN USE

DESCRIPTION:
CONTROLLED STORAGE OF ON-SITE MATERIALS.

APPLICATIONS:
- STORAGE OF HAZARDOUS, TOXIC, AND ALL CHEMICAL SUBSTANCES.
- ANY CONSTRUCTION SITE WITH OUTSIDE STORAGE OF MATERIALS.

INSTALLATION/APPLICATION CRITERIA:
- DESIGNATE A SECURED AREA WITH LIMITED ACCESS AS THE STORAGE LOCATION. ENSURE NO WATERWAYS OR DRAINAGE PATHS ARE NEARBY.
- CONSTRUCT COMPACTED EARTHEN BERM (SEE EARTH BERM BARRIER INFORMATION SHEET), OR SIMILAR PERIMETER CONTAINMENT AROUND STORAGE LOCATION FOR IMPOUNDMENT IN THE CASE OF SPILLS.
- ENSURE ALL ON-SITE PERSONNEL UTILIZE DESIGNATED STORAGE AREA. DO NOT STORE EXCESSIVE AMOUNTS OF MATERIAL THAT WILL NOT BE UTILIZED ON SITE.
- FOR ACTIVE USE OF MATERIAL AWAY FROM THE STORAGE AREA ENSURE MATERIALS ARE NOT SET DIRECTLY ON THE GROUND AND ARE COVERED WHEN NOT IN USE. PROTECT STORM DRAINAGE DURING USE.

LIMITATIONS:
- DOES NOT PREVENT CONTAMINATION DUE TO MISHANDLING OF PRODUCTS.
- SPILL PREVENTION AND RESPONSE PLAN STILL REQUIRED.
- ONLY EFFECTIVE IF MATERIALS ARE ACTIVELY STORED IN CONTROLLED LOCATION.

MAINTENANCE:
- INSPECT DAILY AND REPAIR ANY DAMAGE TO PERIMETER IMPOUNDMENT OR SECURITY FENCING.
- CHECK MATERIALS ARE BEING CORRECTLY STORED (I.E. STANDING UPRIGHT, IN LABELED CONTAINERS, TIGHTLY CAPPED) AND THAT NO MATERIALS ARE BEING STORED AWAY FROM THE DESIGNATED LOCATION.

OBJECTIVES
- ※ HOUSEKEEPING PRACTICES
- ※ CONTAIN WASTE
- □ MINIMIZE DISTURBED AREA
- □ STABILIZE DISTURBED AREA
- □ PROTECT SLOPES/CHANNELS
- □ CONTROL SITE PERIMETER
- □ CONTROL INTERNAL EROSION

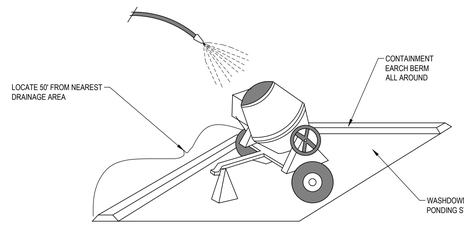
TARGETED POLLUTANTS
- □ SEDIMENT
- □ NUTRIENTS
- ■ TOXIC MATERIALS
- □ OIL & GREASE
- □ FLOATABLE MATERIALS
- ※ OTHER WASTE

- ■ HIGH IMPACT
- ※ MEDIUM IMPACT
- □ LOW OR UNKNOWN IMPACT

IMPLEMENTATION REQUIREMENTS
- ※ CAPITAL COSTS
- ※ O & M COSTS
- ※ MAINTENANCE
- ■ TRAINING

■ HIGH ※ MEDIUM □ LOW

MATERIALS STORAGE A3
SCALE: N.T.S.



DESCRIPTION:
PREVENT OR REDUCE THE DISCHARGE OF POLLUTANTS TO STORM WATER FROM CONCRETE WASTE BY CONDUCTING WASHOUT OFF-SITE, PERFORMING ON-SITE WASHOUT IN A DESIGNATED AREA, AND TRAINING EMPLOYEES AND SUBCONTRACTORS.

APPLICATIONS:
- THIS TECHNIQUE IS APPLICABLE TO ALL TYPES OF SITES.

INSTALLATION/APPLICATION CRITERIA:
- STORE DRY AND WET MATERIALS UNDER COVER, AWAY FROM DRAINAGE AREAS.
- AVOID MIXING EXCESS AMOUNTS OF FRESH CONCRETE OR CEMENT ON-SITE.
- PERFORM WASHOUT OF CONCRETE TRUCKS OFF-SITE OR IN DESIGNATED AREAS ONLY.
- DO NOT WASH OUT CONCRETE TRUCKS INTO STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS.
- DO NOT ALLOW EXCESS CONCRETE TO BE DUMPED ON-SITE, EXCEPT IN DESIGNATED AREAS.
- WHEN WASHING CONCRETE TO REMOVE FINE PARTICLES AND EXPOSE THE AGGREGATE, AVOID CREATING RUNOFF BY DRAINING THE WATER WITHIN A BERMED OR LEVEL AREA (SEE EARTH BERM BARRIER INFORMATION SHEET.)
- TRAIN EMPLOYEES AND SUBCONTRACTORS IN PROPER CONCRETE WASTE MANAGEMENT.

LIMITATIONS:
- OFF-SITE WASHOUT OF CONCRETE WASTES MAY NOT ALWAYS BE POSSIBLE.

MAINTENANCE:
- INSPECT SUBCONTRACTORS T ENSURE THAT CONCRETE WASTES ARE BEING PROPERLY MANAGED.
- IF USING A TEMPORARY PIT, DISPOSE HARDENED CONCRETE ON A REGULAR BASIS.

OBJECTIVES
- □ HOUSEKEEPING PRACTICES
- ※ CONTAIN WASTE
- □ MINIMIZE DISTURBED AREA
- □ STABILIZE DISTURBED AREA
- □ PROTECT SLOPES/CHANNELS
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- ■ HIGH IMPACT
- ※ MEDIUM IMPACT
- □ LOW OR UNKNOWN IMPACT

IMPLEMENTATION REQUIREMENTS
- □ CAPITAL COSTS
- □ O & M COSTS
- ※ MAINTENANCE
- ※ TRAINING

■ HIGH ※ MEDIUM □ LOW

CONCRETE WASTE MANAGEMENT A5
SCALE: N.T.S.

bhd ARCHITECTS
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Toll Free 888.571.0010
65 East Wadsworth Park Drive
Suite 205 Draper, Utah 84020

PROFESSIONAL ENGINEER
12-16-25
No. 14089925-2202
DANIEL J. CANNING
STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake
Approx. 542 South Geneva Road
Vineyard, Utah 84059

Owner #: 502-2004
Plan Series: C300-MH-11
County Parcel: 39:228:0001
BHD #: 2346
Date: 15 Aug 2024

#	Date	Description
1	15 Aug 2024	Bid Documents

Drawing Issue and Revision Schedule

Civil Details

C571

Printed: 12 May 2025 2:50 PM

GENERAL NOTES

1.1 COMPLIANCE

1. ALL WORK TO CONFORM TO GOVERNING MUNICIPALITY'S STANDARDS, SPECIFICATIONS AND REQUIREMENTS.
2. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THESE CONTRACT DOCUMENTS AND THE MOST RECENT, ADOPTED EDITIONS OF THE FOLLOWING: INTERNATIONAL BUILDING CODE (IBC), THE INTERNATIONAL PLUMBING CODE, STATE DRINKING WATER REGULATIONS, APWA MANUAL OF STANDARD PLANS AND SPECIFICATIONS, ADA ACCESSIBILITY GUIDELINES.
3. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS. ANY REVISIONS MUST HAVE PRIOR WRITTEN APPROVAL.

1.2 PERMITTING AND INSPECTIONS

1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED THOROUGHLY REVIEWED PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.
2. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING AND NOTIFYING ARCHITECT/ENGINEER OR INSPECTING AUTHORITY 48 HOURS IN ADVANCE OF COVERING UP ANY PHASE OF CONSTRUCTION REQUIRING OBSERVATION.
3. ANY WORK IN THE PUBLIC RIGHT-OF-WAY WILL REQUIRE PERMITS FROM THE APPROPRIATE, CITY, COUNTY OR STATE AGENCY CONTROLLING THE ROAD AND WITH APPROPRIATE INSPECTIONS.

1.3 COORDINATION & VERIFICATION

1. ALL DIMENSIONS, GRADES & UTILITY DESIGNS SHOWN ON THE PLANS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS, IF NOT VERIFIED AND NOTIFICATION OF CONFLICTS HAVE NOT BEEN BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER.
2. CONTRACTOR MUST VERIFY ALL EXISTING CONDITIONS BEFORE BIDDING AND BRING UP ANY QUESTIONS BEFOREHAND. NO ALLOWANCE WILL BE MADE FOR DISCREPANCIES OR OMISSIONS THAT CAN BE EASILY OBSERVED.
3. CONTRACTOR TO COORDINATE WITH ALL OTHER DISCIPLINES, INCLUDING BUT NOT LIMITED TO: LANDSCAPE PLANS, SITE ELECTRICAL SITE LIGHTING PLANS AND ELECTRICAL SERVICE TO THE BUILDING(S), MECHANICAL PLANS FOR LOCATION OF SERVICES TO THE BUILDING(S), INCLUDING FIRE PROTECTION, ARCHITECTURAL SITE PLAN FOR DIMENSIONS, ACCESSIBLE ROUTES, ETC., NOT SHOWN ON CIVIL PLANS.
4. CONTRACTOR IS TO COORDINATE LOCATION OF NEW TELEPHONE SERVICE, GAS SERVICE, CABLE, ETC. TO BUILDING WITH THE APPROPRIATE UTILITY COMPANY. FOR TELEPHONE, CONTRACTOR TO FURNISH CONDUIT, PLYWOOD BACKBOARD, AND GROUND WIRE, AS REQUIRED.

1.4 SAFETY AND PROTECTION

1. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION,
2. CONTRACTOR IS RESPONSIBLE FOR THE SAFETY OF THE PROJECT AND SHALL MEET ALL OSHA REQUIREMENTS.
3. CONTRACTOR IS RESPONSIBLE FOR CONFORMING TO LOCAL AND FEDERAL CODES GOVERNING SHORING AND BRACING OF EXCAVATIONS AND TRENCHES, AND FOR THE PROTECTION OR WORKERS AND PUBLIC.
4. CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO PROTECT ALL EXISTING PUBLIC AND PRIVATE PROPERTY, ROADWAYS, AND UTILITY IMPROVEMENTS. DAMAGE TO EXISTING IMPROVEMENTS CAUSED BY THE CONTRACTOR MUST BE REPAIRED BY THE CONTRACTOR AT HIS/HER EXPENSE TO THE SATISFACTION OF THE OWNER OF SAID IMPROVEMENTS.
5. CONTRACTOR IS REQUIRED TO KEEP ALL CONSTRUCTION ACTIVITIES WITHIN THE APPROVED PROJECT LIMITS. THIS INCLUDES, BUT IS NOT LIMITED TO, VEHICLE AND EQUIPMENT STAGING, MATERIAL STORAGE AND LIMITS OF TRENCH EXCAVATION.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN PERMISSION AND/OR EASEMENTS FROM THE APPROPRIATE GOVERNMENT AGENCY AND/OR INDIVIDUAL PROPERTY OWNER(S) FOR WORK OR STAGING OUTSIDE OF THE PROJECT LIMITS.
7. CONTRACTOR SHALL PROVIDE BARRICADES, SIGNS, FLASHERS, OTHER EQUIPMENT AND FLAG PERSONS NECESSARY TO INSURE THE SAFETY OF WORKERS AND VISITORS. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.
8. CONTRACTOR SHALL COMPLY WITH LOCAL NOISE ORDINANCE STANDARDS.
9. CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL ACCORDING TO GOVERNING AGENCY STANDARDS.
10. CONTRACTOR SHALL TAKE ALL NECESSARY AND PROPER PRECAUTIONS TO PROTECT ADJACENT PROPERTIES FROM ANY AND ALL DAMAGE THAT MAY OCCUR FROM STORM WATER RUNOFF AND/OR DEPOSITION OF DEBRIS RESULTING FROM ANY AND ALL WORK IN CONNECTION WITH CONSTRUCTION. SUBMIT A STORM WATER POLLUTION PREVENTION PLAN, IF REQUIRED.
11. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE PROSECUTED TO COMPLETION WITHOUT DELAY AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.
12. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION.
13. NATURAL VEGETATION AND SOIL COVER SHALL NOT BE DISTURBED PRIOR TO ACTUAL CONSTRUCTION OF A REQUIRED FACILITY OR IMPROVEMENT. MASS CLEARING OF THE SITE IN ANTICIPATION OF CONSTRUCTION SHALL BE AVOIDED. CONSTRUCTION TRAFFIC SHALL BE LIMITED TO ONE APPROACH TO THE SITE. THE APPROACH SHALL BE DESIGNATED BY THE OWNER OR GOVERNING AGENCY.
14. THE CONTRACTOR SHALL TAKE REASONABLE MEASURE TO PROTECT EXISTING IMPROVEMENTS FROM DAMAGE AND ALL SUCH IMPROVEMENTS DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR RECONSTRUCTED TO THE ENGINEER/OWNER'S SATISFACTION AT THE EXPENSE OF THE CONTRACTOR.

1.5 GRADING / SOILS

1. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED REGISTERED SOILS ENGINEER, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITH THE BUILDING PAD AREA AND AREAS TO BE PAVED, HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS.
2. SITE CLEARING SHALL INCLUDE THE LOCATING AND REMOVAL OF ALL UNDERGROUND TANKS, PIPES, VALVES, ETC.
3. ALL EXISTING VALVES, MANHOLES, ETC. SHALL BE RAISED OR LOWERED TO GRADE AS REQUIRED.

1.6 UTILITIES

1. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THESE PLANS ARE BASED ON FIELD SURVEYS AND LOCAL UTILITY COMPANY RECORDS. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES EITHER DIRECT OR THROUGH BLUE STAKE TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION.
2. CONTRACTOR TO VERIFY BY POTHOLING BOTH THE VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO INSTALLING ANY NEW LINES. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE.
3. CONTRACTOR MUST START AT LOW END OF ALL NEW GRAVITY UTILITY LINES. MECHANICAL SUB-CONTRACTOR MUST BE PROVIDED CIVIL SITE DRAWINGS FOR COORDINATION AND TO CHECK THE FLOW FROM THE LOWEST POINT IN BUILDING TO THE FIELD VERIFIED CONNECTION AT THE EXISTING MAIN. NO EXTRA COMPENSATION IS TO BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO FAILURE TO COMPLY WITH THESE REQUIREMENTS.
4. CONTRACTOR IS TO VERIFY LOCATION, DEPTH, SIZE, TYPE, AND OUTSIDE DIAMETERS OF UTILITIES IN THE FIELD BY POTHOLING A MINIMUM OF 300 FEET AHEAD. PIPELINE CONSTRUCTION TO AVOID CONFLICTS WITH DESIGNED PIPELINE GRADE AND ALIGNMENT. EXISTING UTILITY INFORMATION SHOWN ON PLANS OR OBTAINED FROM UTILITY COMPANIES OR BLUE STAKED MUST BE ASSUMED AS APPROXIMATE, REQUIRING FIELD VERIFICATION.
5. CULINARY WATER AND FIRE SERVICE LINES TO BE CONSTRUCTED IN ACCORDANCE WITH LOCAL GOVERNING MUNICIPALITY STANDARDS AND SPECIFICATIONS.
6. SANITARY SEWER MAINS AND LATERALS TO BE CONSTRUCTED IN ACCORDANCE WITH LOCAL GOVERNING MUNICIPALITY SEWER DISTRICT STANDARDS AND SPECIFICATIONS.
7. STORM SEWER TO BE CONSTRUCTED IN ACCORDANCE WITH THE GOVERNING MUNICIPALITY STANDARDS AND SPECIFICATIONS.
8. ALL STORM DRAIN AND IRRIGATION CONDUITS SHALL BE INSTALLED WITH WATER TIGHT JOINTS AND CONNECTIONS.
9. ALL STORM DRAIN PIPE PENETRATIONS INTO BOXES SHALL BE CONSTRUCTED WITH WATER TIGHT SEALS ON THE OUTSIDE AND GROUTED SMOOTH WITH A NON-SHRINK GROUT ON THE INSIDE. CONDUITS SHALL BE CUT OFF FLUSH WITH THE INSIDE OF THE BOX.
10. NO CHANGE IN THE DESIGN OF UTILITIES AS SHOWN WILL BE MADE BY THE CONTRACTOR WITHOUT THE WRITTEN APPROVAL OF THE GOVERNING MUNICIPALITY, OR OTHER AUTHORITY HAVING JURISDICTION OVER THAT UTILITY.
11. ALL STORM DRAIN CONDUITS AND BOXES SHALL BE CLEAN AND FREE OF ROCKS, DIRT, AND CONSTRUCTION DEBRIS PRIOR TO FINAL INSPECTION.

1.8 SURVEY CONTROL

1. CONTRACTOR MUST PROVIDE A REGISTERED LAND SURVEYOR OR PERSONS UNDER THE SUPERVISION OF A REGISTERED LAND SURVEYOR TO SET STAKES FOR THE ALIGNMENT AND GRADE OF EACH MAIN AND/OR FACILITY AS SHOWN ON THE PLANS. THE STAKES SHALL BE MARKED WITH THE HORIZONTAL LOCATION (STATION) AND VERTICAL LOCATION (GRADE) WITH CUTS AND/OR FILLS TO THE APPROVED GRADE OF THE MAIN AND OR FACILITY AS SHOWN ON THE PLANS.
2. THE CONTRACTOR SHALL PROTECT ALL STAKES AND MARKERS FOR VERIFICATION PURPOSES.
3. CONTRACTOR WILL BE RESPONSIBLE FOR FURNISHING, MAINTAINING, OR RESTORING ALL MONUMENTS AND REFERENCE MARKS WITHIN THE PROJECT SITE.

1.9 AMERICAN DISABILITIES ACT

1. PEDESTRIAN / ADA ROUTES SHALL MEET THE FOLLOWING SPECIFICATIONS:
   *ROUTES SHALL HAVE A 2.00% (1:50) MAXIMUM CROSS SLOPE.
   *ROUTES SHALL HAVE A 5.00% (1:20) MAXIMUM RUNNING SLOPE.
   *RAMPS SHALL HAVE A 8.33% (1:12) MAXIMUM RUNNING SLOPE.
2. ADA PARKING STALLS AND ADJACENT ROUTES SHALL HAVE A 2.00% (1:50) MAXIMUM SURFACE SLOPE IN ANY DIRECTION.
3. THE CONTRACTOR SHALL ADHERE TO THE ABOVE SPECIFICATIONS. IN THE EVENT OF A DISCREPANCY IN THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO ANY CONSTRUCTION.

LEGEND

NEW	EXISTING		NEW	EXISTING	
		MONUMENT LINE			SECTION CORNER (FOUND)
		CENTER LINE			
		SUBJECT PROPERTY LINE			SECTION CORNER (NOT FOUND)
		ADJACENT PROPERTY LINE			
		EASEMENT LINE			STREET MONUMENT
		DITCH FLOWLINE			BRASS CAP MONUMENT
X	X	FENCE LINE			POWER POLE
ATMS	atms	ATMS CABLE			UTILITY POLE
TV	tv	CABLE TV LINE	GUY	GUY	GUY ANCHOR
C	c	COMMUNICATIONS LINE	TRANS	TRANS	POWER TRANSFORMER
FO	fo	FIBER-OPTIC CABLE			TRAFFIC SIGNAL CABINET
F	f	FIRE LINE			LIGHT POLE
IRR	irr	IRRIGATION LINE	TR	TR	TELEPHONE RISER
G	g	NATURAL GAS LINE	T	T	TELEPHONE MANHOLE
OHC	ohc	OVERHEAD COMMUNICATIONS			TRAFFIC SIGNAL BOX
OHP	ohp	OVERHEAD POWER LINE	W	W	WATER MANHOLE
OHT	oht	OVERHEAD TELEPHONE LINE			WATER VALVE
OHTV	ohtv	OVERHEAD TELEVISION LINE	WM	WM	WATER METER
P	p	POWER LINE			FIRE HYDRANT
P/C	p/c	POWER/COMMUNICATIONS LINE	S	S	SANITARY SEWER MANHOLE
P/T	p/t	POWER/TELEPHONE LINE	SSCO	SSCO	SANITARY SEWER CLEANOUT
P/T/C	p/t/c	POWER/TELE/COMM LINE	SD	SD	STORM DRAIN MANHOLE
RD	rd	ROOF DRAIN LINE			STORM DRAIN CURB INLET
SW	sw	SECONDARY WATER LINE			STORM DRAIN CATCH BASIN
S	s	SANITARY SEWER LINE	SD	SD	STORM DRAIN CLEANOUT
ST	st	STEAM LINE			STORM DRAIN COMBO BOX
SD	sd	STORM DRAIN LINE	MB	MB	MAILBOX
T	t	TELEPHONE LINE			SIGN
T/C	t/c	TELEPHONE/COMM LINE			FLOW DIRECTION
UD	ud	UNDERDRAIN	44.00 TOC	*44.00 EX TOC*	SPOT ELEVATION
UGC	ugc	UNDERGROUND COMMUNICATIONS			CONIFEROUS TREE
UGP	ugp	UNDERGROUND POWER LINE			
UGT	ugt	UNDERGROUND TELEPHONE LINE			DECIDUOUS TREE
UGTV	ugtv	UNDERGROUND TELEVISION			
W	w	WATER LINE			
72	4572	CONTOUR LINE			
		CURB & GUTTER (STD)			
		CURB & GUTTER (OUTFALL)			
		CONCRETE PAVEMENT			
		STD. DUTY ASPHALT			
		HEAVY DUTY ASPHALT			

ABBREVIATIONS

AC	ACRE	E	EAST	GV	GAS VALVE	PP	POWER POLE	TFC	TOP FACE OF CURB
ADA	AMERICANS WITH DISABILITIES ACT	EB	ELECTRIC BOX	HDPE	HIGH DENSITY POLYETHYLENE	PRC	POINT OF REVERSE CURVE	TL	TREE LINE
ATMS	ADVANCED TRAFFIC MGMT. SYSTEM	EGL	ENERGY GRADE LINE	HG	HEADGATE	PRK	PARKING STRIPE	TMH	TELEPHONE MANHOLE
B&C	BAR & CAP	ELEV	ELEVATION	HGL	HYDRAULIC GRADE LINE	POC	POINT OF CONNECTION	TOA	TOP OF ASPHALT
BC	BUILDING CORNER	EM	ELECTRIC METER	HP	HIGH POINT	PT	POINT OF TANGENCY	TOC	TOP OF CONCRETE
BLUE	BLUE STAKED ELECTRIC	EMH	ELECTRIC MANHOLE	HW	HEADWALL or HIGH WATER	PWR	POWER	TOE	TOE OF SLOPE
BLUFO	BLUE STAKED FIBER OPTIC	EOA	EDGE OF ASPHALT	HWY	HIGHWAY	PVC	POLYVINYL CHLORIDE PIPE	TOP	TOP OF SLOPE or TOP OF PIPE
BLUG	BLUE STAKED NATURAL GAS	EOC	EDGE OF CONCRETE	ICO	IRRIGATION CLEANOUT	R	RANGE	TOW	TOP OF WALK
BLUIRR	BLUE STAKED IRRIGATION	EOG	EDGE OF GRAVEL	ICV	IRRIGATION CONTROL VALVE	RCP	REINFORCED CONCRETE PIPE	TR	TELEPHONE RISER
BLUSD	BLUE STAKED STORM DRAIN	EOL	EDGE OF LAWN	IE	INVERT ELEVATION	RD	ROOF DRAIN	TV	TELEVISION
BLUSS	BLUE STAKED SANITARY SEWER	EX or EXIST	EXISTING	IRR	IRRIGATION	REV	REVISION	TW	TOP OF WALL
BLUT	BLUE STAKED TELEPHONE	F	FIRE	LF	LINEAR FEET	ROW	RIGHT-OF-WAY	TRANS	TRANSFORMER
BLUW	BLUE STAKED WATER	FC	FOUNDATION CORNER	LIP	LIP OF GUTTER	RR	RAILROAD	TSP	TRAFFIC SIGNAL POLE
BM	BENCHMARK	FD	FOUND	LP	LOW POINT or LIGHT POLE	S	SOUTH	TSB	TRAFFIC SIGNAL BOX
BOB	BOTTOM OF BOX	FDC	FIRE DEPT. CONNECTION	MAX	MAXIMUM	SAD	SEE ARCHITECTURAL DRAWINGS	UD	UNDERDRAIN
BOL	BOLLARD	FDMN	FOUND MONUMENT	MIN	MINIMUM	SD	STORM DRAIN	UGC	UNDERGROUND COMMUNICATIONS
BOV	BLOW-OFF VALVE	FDSC	FOUND SECTION CORNER	MON	MONUMENT	SDCB	STORM DRAIN CATCH BASIN	UGP	UNDERGROUND POWER
BOW	BACK OF WALK	FFE	FINISHED FLOOR ELEVATION	MP	METAL PIPE	SDCO	STORM DRAIN CLEOUNOUT BOX	UGT	UNDERGROUND TELEPHONE
BW	BOTTOM OF WALL	FG	FINISHED GRADE	MW	MONITORING WELL	SDMH	STORM DRAIN MANHOLE	UGTV	UNDERGROUND TELEVISION
℄	CENTERLINE	FH	FIRE HYDRANT	N	NORTH	SEC	SECTION	U.N.O.	UNLESS NOTED OTHERWISE
CATV	CABLE TELEVISION	FL	FLOW LINE	NG	NATURAL GROUND	SPECS	SPECIFICATIONS	UP	UTILITY POLE
CBR	CONCRETE BARRIER	FNC	FENCE	NGRET	NG AT RETAINING WALL	SLB&M	SALT LAKE BASE & MERIDIAN	VCP	VITRIFIED CLAY PIPE
CC	CURB CUT	FNCCL	CHAIN LINK FENCE	NR	NAIL & RIBBON	SQ	SQUARE	VP	VERTICAL PIPE
COL	COLUMN	FNCIRN	IRON FENCE	NW	NAIL & WASHER	SQFT	SQUARE FEET	W	WEST or WATER
COMM	COMMUNICATIONS	FNCVYL	VINYL FENCE	NTS	NOT TO SCALE	SQYD	SQUARE YARD	WM	WATER METER
CONC	CONCRETE	FNCWD	WOOD FENCE	OG	ORIGINAL GROUND	SS	SANITARY SEWER	WMH	WATER MANHOLE
CONST	CONSTRUCTION	FNCWR	WIRE FENCE	OH	OVERHANG	SSCO	SANITARY SEWER CLEANOUT	WS	WATER SURFACE
CMP	CORRUGATED METAL PIPE	FO	FIBER OPTIC	OHC	OVERHEAD COMMUNICATIONS	SSMH	SANITARY SEWER MANHOLE	WTR	WATER
CP	CONTROL POINT	FOW	FRONT OF WALK	OHP	OVERHEAD POWER	ST	STEAM	WV	WATER VALVE
CTREE	CONIFEROUS TREE	FT	FEET	OHT	OVERHEAD TELEPHONE	STA	STATION	WW	WATERWAY
CUFT	CUBIC FOOT	G	NATURAL GAS	OHTV	OVERHEAD TELEVISION	STD	STANDARD		
CUYD	CUBIC YARD	GAR	GARAGE	℞	PROPERTY LINE	STM	STORM		
DEL	DELINEATOR	GB	GRADE BREAK	PB	POWER BOX	SYL	SOLID YELLOW LINE		
DIA or Ø	DIAMETER	GL	GROUND LIGHT	PC	POINT OF CURVATURE	SWL	SOLID WHITE LINE		
DIP	DUCTILE IRON PIPE	GM	GAS METER	PCC	POINT OF COMPOUND CURVE	T	TOWNSHIP		
DTREE	DECIDUOUS TREE	GMH	GAS MANHOLE	PI	POINT OF INTERSECTION	TBC	TOP BACK OF CURB		
DYL	DOUBLE YELLOW LINE	GUY	GUY WIRE	PM	PARKING METER	TELE	TELEPHONE		

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DANIEL J. CANNING
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THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

BHD #: 2346
County Parcel: 39-228:0001
Plan Series: G300-MH-11
Owner #: 502-2004
Date: 15 Aug 2024

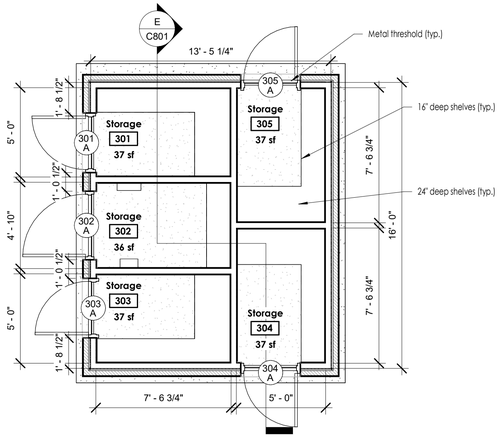
Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

Civil Notes

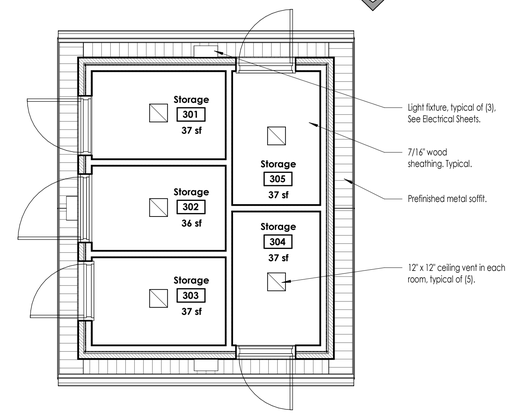
C601

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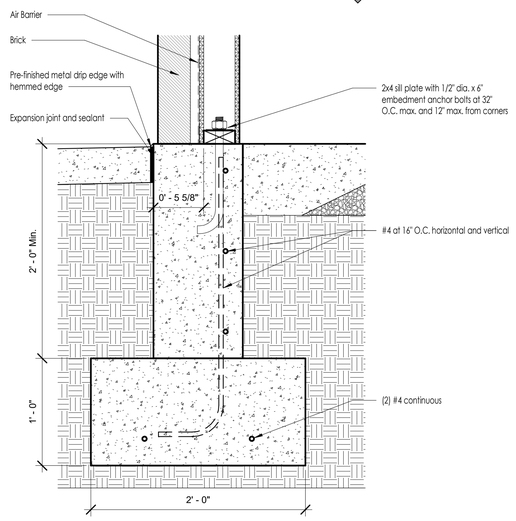
1 Floor Plan

Scale: 1/4" = 1'-0"



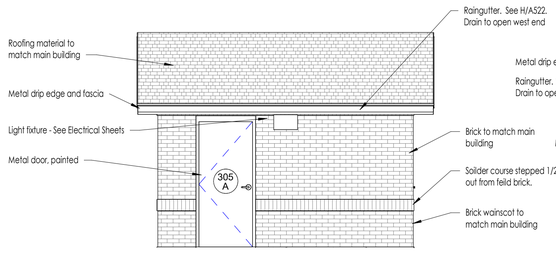
2 Ceiling Plan

Scale: 1/4" = 1'-0"



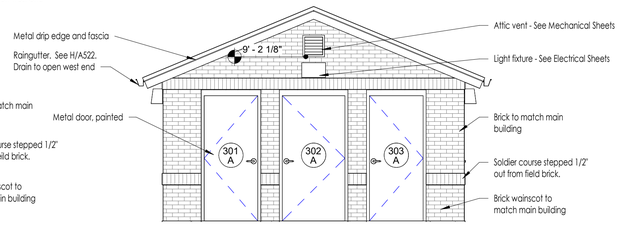
F Wall Base Detail

Scale: 1 1/2" = 1'-0"



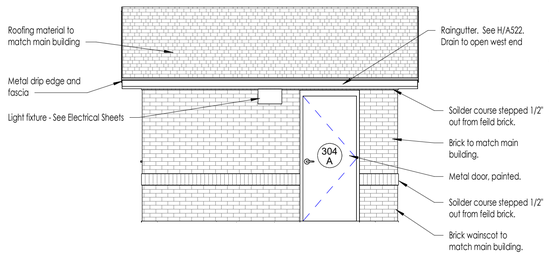
A Building Elevation

Scale: 1/4" = 1'-0"



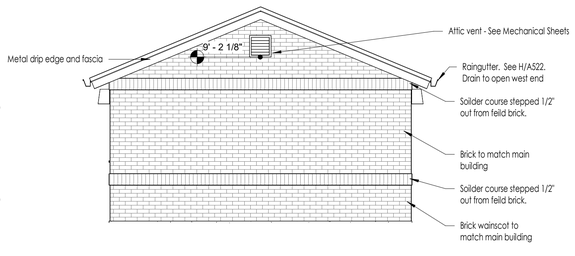
B Building Elevation

Scale: 1/4" = 1'-0"



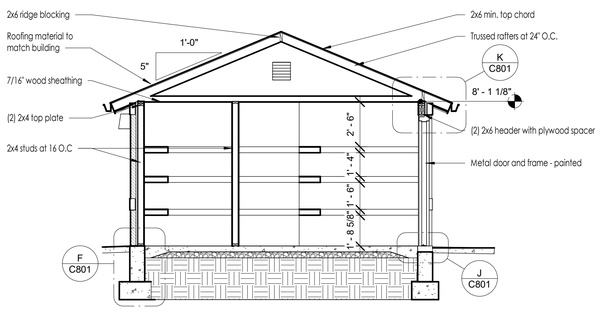
C Building Elevation

Scale: 1/4" = 1'-0"



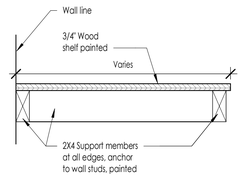
D Building Elevation

Scale: 1/4" = 1'-0"



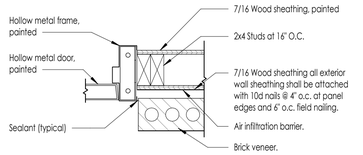
E Section

Scale: 1/4" = 1'-0"



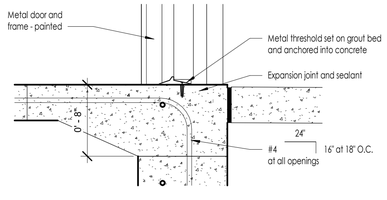
G Shelf Detail

Scale: 1 1/2" = 1'-0"



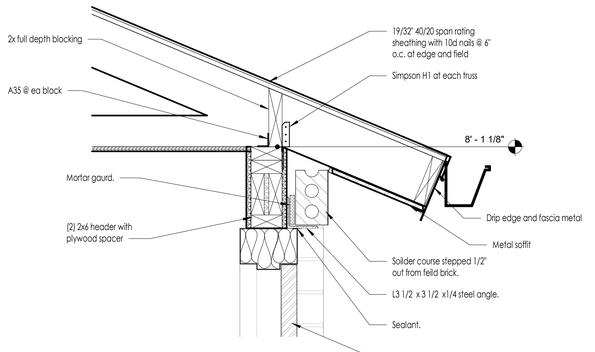
H Jamb Detail

Scale: 1 1/2" = 1'-0"



J Door Threshold Detail

Scale: 1 1/2" = 1'-0"



K Head Detail

Scale: 1 1/2" = 1'-0"

Code Analysis	
Building Code	IBC 2021
Occupancy	S-1
Construction Type	V-B ; Non-Sprinklered
Height	12'
Stories	1
Building Area	241 Gross SF
Occupant Load	241/300 = .80 = 1 Occupant
Building is Unconditioned - No Heating or Cooling	

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Suite 205 Draper, Utah 84020

LICENSED ARCHITECT
Lafe Theadore Harris
15 Aug 2024
6278878-0301
STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

Date: 15 Aug 2024
BHD #: 2346
County Parcel: 39-228:0001
Plan Series: C300-MH-11
Owner #: 502-2004

Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

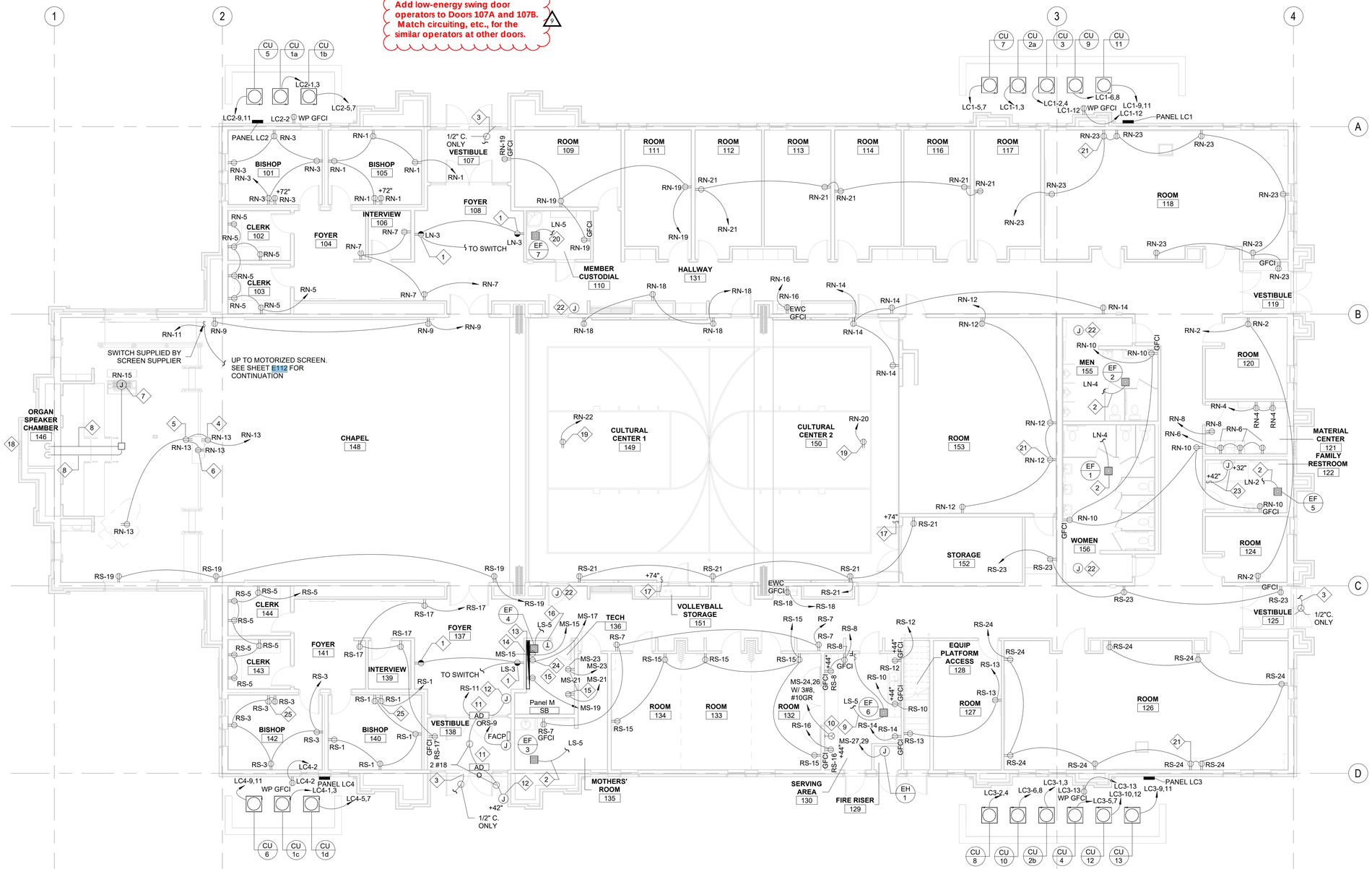
Storage Building

C801

8/15/2024 9:51:51 AM

ASI #2:
Add low-energy swing door operators to Doors 107A and 107B. Match circuiting, etc., for the similar operators at other doors.

2



1 MAIN FLOOR POWER PLAN
1/8" = 1'-0"

GENERAL NOTES

1 SEE ME AND ET SHEETS FOR REQUIRED RACEWAY AND BOXES FOR TEMPERATURE CONTROL, TELEPHONE, DATA, SOUND, VIDEO, SATELLITE AND TV SYSTEMS.

2 OUTLETS ON EXTERIOR WALLS MUST BE PROVIDED WITH AIR TIGHT J-BOXES. SEAL AROUND ALL PENETRATIONS TO KEEP THE BOX AIR TIGHT.

KEYED NOTES

1 SPLIT WIRE SO UPPER HALF OF RECEPTACLE IS CONTROLLED BY LIGHT SWITCH AND LOWER HALF IN UNSWITCHED ON SAME CIRCUIT.
2 CIRCUIT EXHAUST FAN WITH THE ROOM LIGHTS AND CONTROL WITH OCCUPANCY SENSOR IN ROOM.
3 STUB CONDUIT INTO DOOR HEAD FRAME FOR INSTALLATION OF ACCESS CONTROL SYSTEM WIRING. RUN CONDUIT TO ACCESSIBLE LOCATION IN UPPER MECHANICAL SPACE AND TERMINATE IN BOX LABELED 'ACCESS CONTROL'.
4 LOCATE BOX SO DUPLEX RECEPTACLE CAN BE MOUNTED HORIZONTALLY IN HARDWOOD BASE.
5 REFER TO J/A422 FOR MOUNTING OF DUPLEX RECEPTACLE AND DATA OUTLET ON SIDE OF PULPIT.
6 SEE 1/A401 FOR MOUNTING LOCATION OF RECEPTACLE IN PULPIT.
7 COORDINATE WITH ARCHITECTS DRAWING MOUNT RECEPTACLE ON THE VERTICAL WALL OF THE RECESSED ORGAN BOX. REFER TO 1/A401.
8 (2) 1" CONDUITS FROM JUNCTION BOX TO UPPER SHELF IN ORGAN SPEAKER CHAMBER.
9 CIRCUIT EXHAUST FAN WITH LIGHTS IN THIS ROOM AND CONTROL WITH MANUAL TIMER SWITCH.
10 LOCATE OUTLET SO RANGE WILL SIT TIGHT AGAINST WALL. WIRING TO RANGE TO BE 3#8,#10GR.
11 AUTOMATIC DOOR OPERATOR. COORDINATE CONDUIT AND CONDUCTOR LENGTHS AND ROUTING FOR COMPLETE, CONCEALED INSTALLATION.
12 PROVIDE A 4" SQUARE 2-1/8" DEEP BOX FOR AUTOMATIC DOOR ACTIVATING SWITCH. LEAVE EXTRA CONDUCTOR LENGTH FOR CONNECTION.
13 SEPARATE DEDICATED #6 GROUND. COORDINATE WITH TELECOMMUNICATIONS GROUND BUS BAR.
14 INSTALL DUPLEX RECEPTACLE AT TELEPHONE BOARD AT 48" AFF. REFER TO A/V DRAWINGS.
15 COORDINATE LOCATION OF DEVICES WITH DIVISION 27 PRIOR TO ROUGH-IN.
16 LINE VOLTAGE THERMOSTAT PROVIDED BY DIVISION 23 AND INSTALLED BY DIVISION 26.
17 CONTROL SWITCH PROVIDED BY BASKETBALL STANDARD MANUFACTURER.
18 PROVIDE LIGHTNING PROTECTION TO STEEPLE. SEE SPECIFICATIONS.
19 LOCATE OUTLET WITHIN FOUR FEET OF MOTOR FOR BASKETBALL STANDARD. MAKE RECEPTACLE CONNECTIONS FOR BASKETBALL STANDARD PER MANUFACTURER REQUIREMENTS.
20 CIRCUIT EXHAUST FAN WITH LIGHTS IN THIS ROOM AND CONTROL WITH INTERVAL TIMER SWITCH.
21 OUTLET MOUNTED IN THE AV JUNCTION BOX FOR TV MONITOR. COORDINATE LOCATION WITH AV INSTALLER.
22 PROVIDE 4" SQUARE BOX WITH SINGLE GANG MUD RING WITH 0.5" ENT CONDUIT TO THE EQUIPMENT PLATFORM (OVER WALKWAY). PROVIDE PULL STRING IN CONDUIT.
23 PROVIDE 0.5" CONDUIT FROM RECEPTACLE IN RESTROOM TO JUNCTION BOX FOR FUTURE EMERGENCY SWITCH LOCATION AND FROM FUTURE EMERGENCY SWITCH LOCATION TO JUNCTION BOX FOR POWER TO CHANGING STATION. SEE MANUFACTURER'S SHOP DRAWINGS FOR CONFIRMATION OF CONDUIT ROUTING. PROVIDE COVER PLATES FOR SWITCH AND JUNCTION BOX.
24 OUTLET FOR BMS SERVER.
25 OUTLET FOR TV MOUNTED NEXT TO DATA OUTLET FOR TV.

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STATE OF UTAH

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THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake
Approx. 542 South Geneva Road
Vineyard, Utah 84059

Date:	15 Aug 2024
BHD #:	2346
County Parcel:	39-228:0001
Plan Series:	C300-MH-11
Owner #:	502-2004

Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

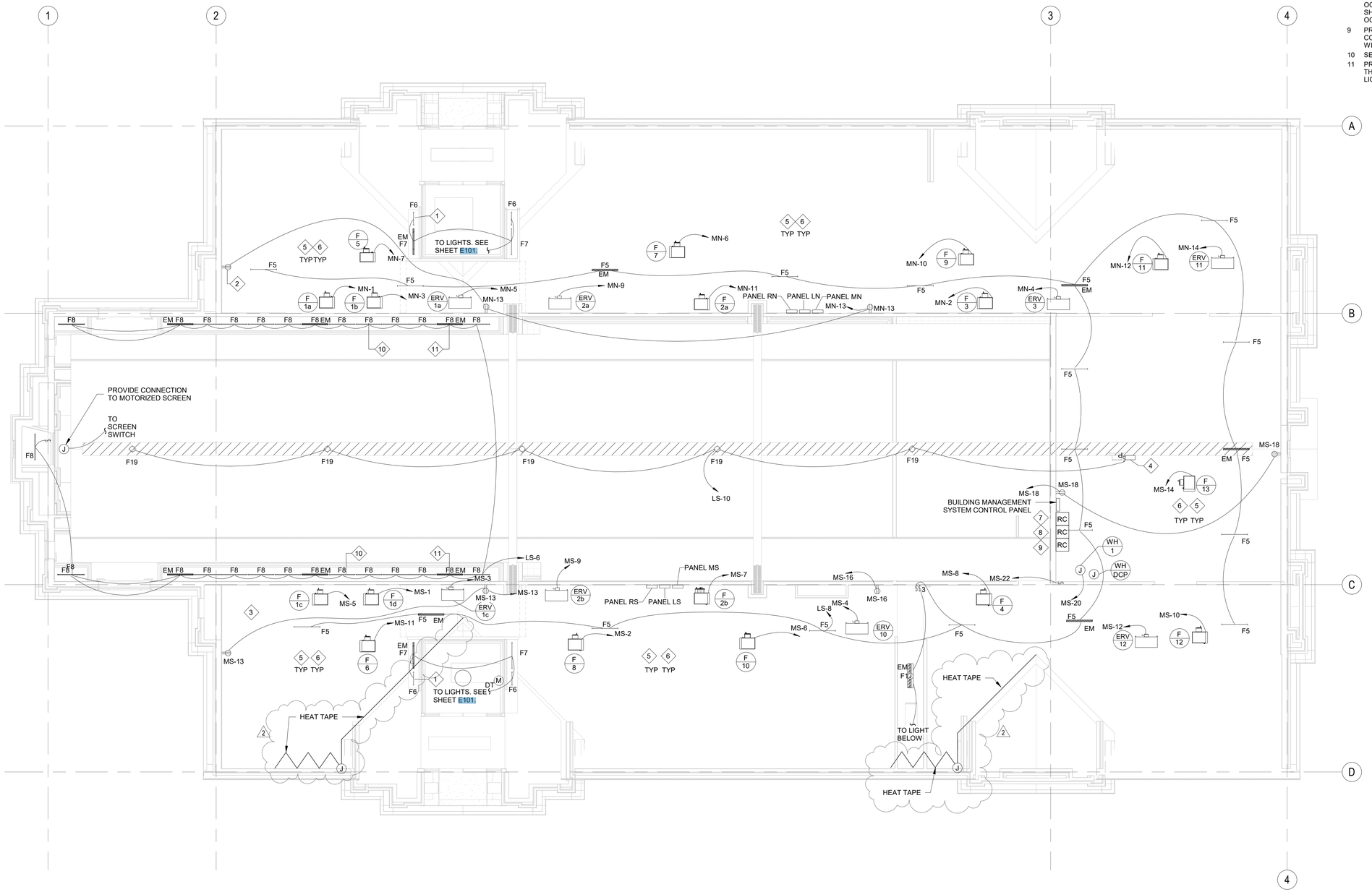
MAIN FLOOR POWER PLAN

E101

Autodesk Docs://240510 - Orem Vineyard Springwater Granger 300 Meetinghouse/240510-Elec Central.rvt
8/15/2024 11:47:56 AM

KEYED NOTES

1. SEE C/A152 FOR MOUNTING OF COVE LIGHT FIXTURES.
2. COORDINATE LOCATION WITH EQUIPMENT AND PLUMBING.
3. SEE ME AND ET SHEETS FOR REQUIRED RACEWAY AND BOXES FOR TEMPERATURE CONTROL, TELEPHONE, DATA, SOUND, VIDEO, SATELLITE, AND TV SYSTEMS.
4. PROVIDE DUAL-LITE LG-250-S-I OR EQUAL. CIRCUIT MS-2 SHALL PASS THROUGH THIS INVERTER THEN SPLIT TO FEED EXTERIOR LIGHTING (WITH FIXTURES NOTED "TO INVERTER" TO BE FED FROM INVERTER THROUGH THE RELAY PANEL AND FIXTURES NOTED "TO RELAY PANEL" TO BE FED FROM THE RELAY PANEL AND NOT THE INVERTER.
5. VERIFY MECHANICAL EQUIPMENT AND LOCATIONS WITH MECHANICAL DRAWINGS.
6. REFER TO EQUIPMENT SCHEDULE ON SHEET E601 FOR MECHANICAL EQUIPMENT FEEDER INFORMATION.
7. PROVIDE 3-ZONE ROOM CONTROLLER CAPABLE OF RECEIVING DAYLIGHT PHOTOCELL, OCCUPANCY, AND MANUAL DIMMER SWITCH INPUTS. ALL ZONES SHALL SHUT OFF AUTOMATICALLY WHEN THERE IS NO OCCUPANCY IN THE ROOM. ZONE 1 SHALL BE CONTROLLED BY MANUAL DIMMER SWITCH. ZONE 2 SHALL BE CONTROLLED BY BOTH DAYLIGHT SENSOR AND MANUAL DIMMER SWITCH.
8. PROVIDE 1-ZONE ROOM CONTROLLER CAPABLE OF RECEIVING OCCUPANCY AND MANUAL DIMMER SWITCH INPUTS. ALL ZONES SHALL SHUT OFF AUTOMATICALLY WHEN THERE IS NO OCCUPANCY IN THE ROOM.
9. PROVIDE CONTRACTOR FURNISHED FIRE ALARM WIRELESS COMMUNICATOR (DSC 3G4010-CF) AND PROVIDE INTERCONNECT WIRING BACK TO FIRE ALARM PANEL.
10. SEE B/A152 FOR MOUNTING OF COVE LIGHT FIXTURES.
11. PROVIDE A 90 MINUTE REMOTE EMERGENCY LIGHTING UNIT FOR THIS FIXTURE. SEE POWER LAYOUT FOR REMOTE EMERGENCY LIGHTING UNIT LOCATION.



1 EQUIPMENT PLATFORM ELECTRICAL PLAN
1/8" = 1'-0"

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THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

Owner #: 502-2004
Plan Series: C300-MH-11
County Parcel: 39-228:0001
BHD #: 2346
Date: 15 Aug 2024

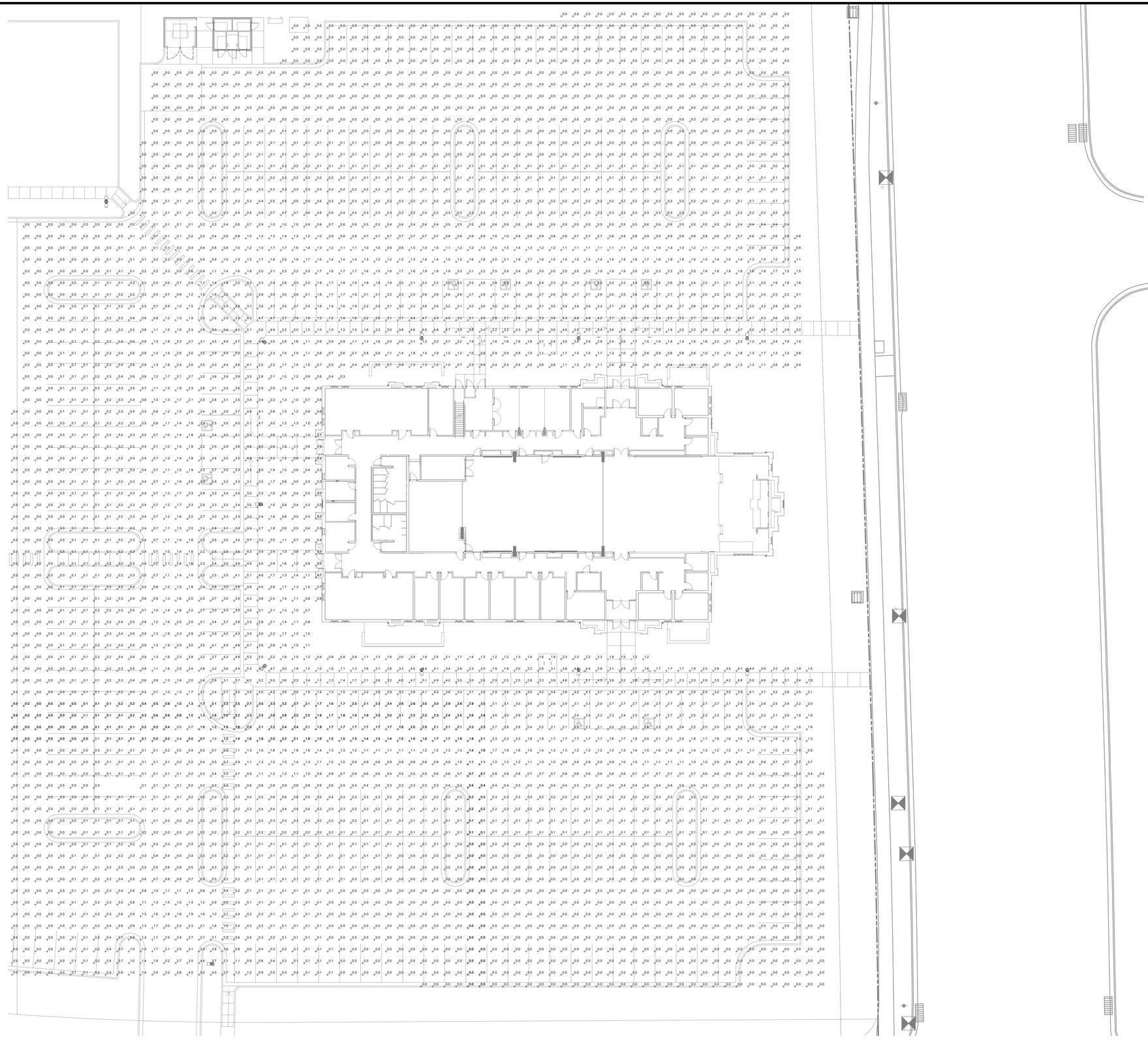
Drawing Issue and Revision Schedule

#	Date	Description
2	27 Aug 2024	Addendum #1
1	15 Aug 2024	Bid Documents

EQUIPMENT PLATFORM ELECTRICAL PLAN

E104

Autodesk Docs://240510 - Orem Vineyard Springwater Granger 300 Meetinghouse/240510-Elec Central.rvt
8/30/2024 10:36:32 AM



1 SITE PHOTOMETRICS
1" = 20'-0"

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15 Aug 2024	2346	39-228:0001	G300-MH-11	502-2004

Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

SITE PHOTOMETRICS

E110

Autodesk Docs://2405l0 - Orem Vineyard Springwater Granger 300 Meetinghouse/2405l0-Elec Central.rvt
7/1/2025 4:26:05 PM



1 ELECTRICAL SITE PLAN - NORTH
1" = 20'-0"

GENERAL NOTES

1 THE ELECTRICAL CONTRACTOR SHALL MEET WITH AND COORDINATE WITH ALL SERVICE PROVIDERS (POWER, COMMUNICATION, CABLE/SATELLITE, ETC.) TO THE FACILITY ON SITE PRIOR TO ANY WORK BEING PREFORMED. CONFIRM WITH EACH SERVICE PROVIDER EXACT LOCATIONS OF EQUIPMENT AND ROUTING. COMPLY WITH ALL SERVICE PROVIDER'S CURRENT STANDARDS AND REQUIREMENTS. PROVIDE THE REQUIRED EQUIPMENT, RACEWAYS, BOXES, CABLE, ETC. AS REQUIRED BY THE SERVICE PROVIDER WHETHER SHOWN ON THE DRAWINGS OR NOT.

2 FOR ALL LIGHT FIXTURES, POLE LIGHTS, AND ALL OTHER ELECTRICAL DEVICES THE CONTRACTOR SHALL COORDINATE EXACT LOCATION AND MOUNTING HEIGHTS WITH ARCHITECT, OWNER, ENGINEER, AND ALL OF THE CONTRACT DOCUMENTS PRIOR TO ROUGH IN AND TRENCHING.

3 CONTRACTOR IS RESPONSIBLE FOR ALL TRENCHING, BACKFILL, AND COMPACTION ASSOCIATED TO ALL ELECTRICAL UNDERGROUND RACEWAYS AND CABLES. COORDINATE WITH ARCHITECTURAL AND CIVIL DRAWINGS. SEE UNDERGROUND RACEWAY DETAILS FOR REQUIREMENTS FOR EACH TRENCH.

4 CONTRACTOR SHALL INSTALL POLE MOUNTED LIGHTS IN STRAIGHT LINES, SQUARE, AND PLUMB. COORDINATE WITH ARCHITECT AND CIVIL DRAWINGS.

5 THE ELECTRICAL CONTRACTOR SHALL HAVE ANY AND ALL CONCRETE POLE BASES AND SLABS REVIEWED BY A STRUCTURAL ENGINEER AND SHALL MODIFY DESIGN PER STRUCTURAL ENGINEER'S AND OR AHJ'S RECOMMENDATIONS.

6 PROVIDE PHOTOCELL ON NORTH SIDE OF FACILITY TO CONTROL EXTERIOR LIGHTS.

7 THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CONCRETE/ASPHALT CUTTING AND REPLACEMENT OF CONCRETE/ASPHALT TO MATCH EXISTING ASSOCIATED WITH UNDERGROUND RACEWAYS PROVIDED AS PART OF THIS PROJECT.

8 REFER TO PLANS FOR CONSTRAINTS ON PHYSICAL DIMENSIONS AND CLEARANCE REQUIREMENTS OF EQUIPMENT. PROVIDE EQUIPMENT DIMENSIONS THAT FALL WITHIN THE CONSTRAINTS OF EACH SPECIFIC LOCATION.

9 PROVIDE SERVICE RATED EQUIPMENT AT EACH SERVICE ENTRANCE.

10 SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT. VERIFY OR RE-CALCULATE THE AVAILABLE FAULT CURRENT AT THE SERVICE WHERE MODIFICATIONS TO THE ELECTRICAL INSTALLATION OCCUR. PLEASE INCLUDE NOTES IN THE ELECTRICAL DRAWINGS OR SUPPLY CALCULATIONS WHERE APPLICABLE. SEE NEC 110.24. (B)

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THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

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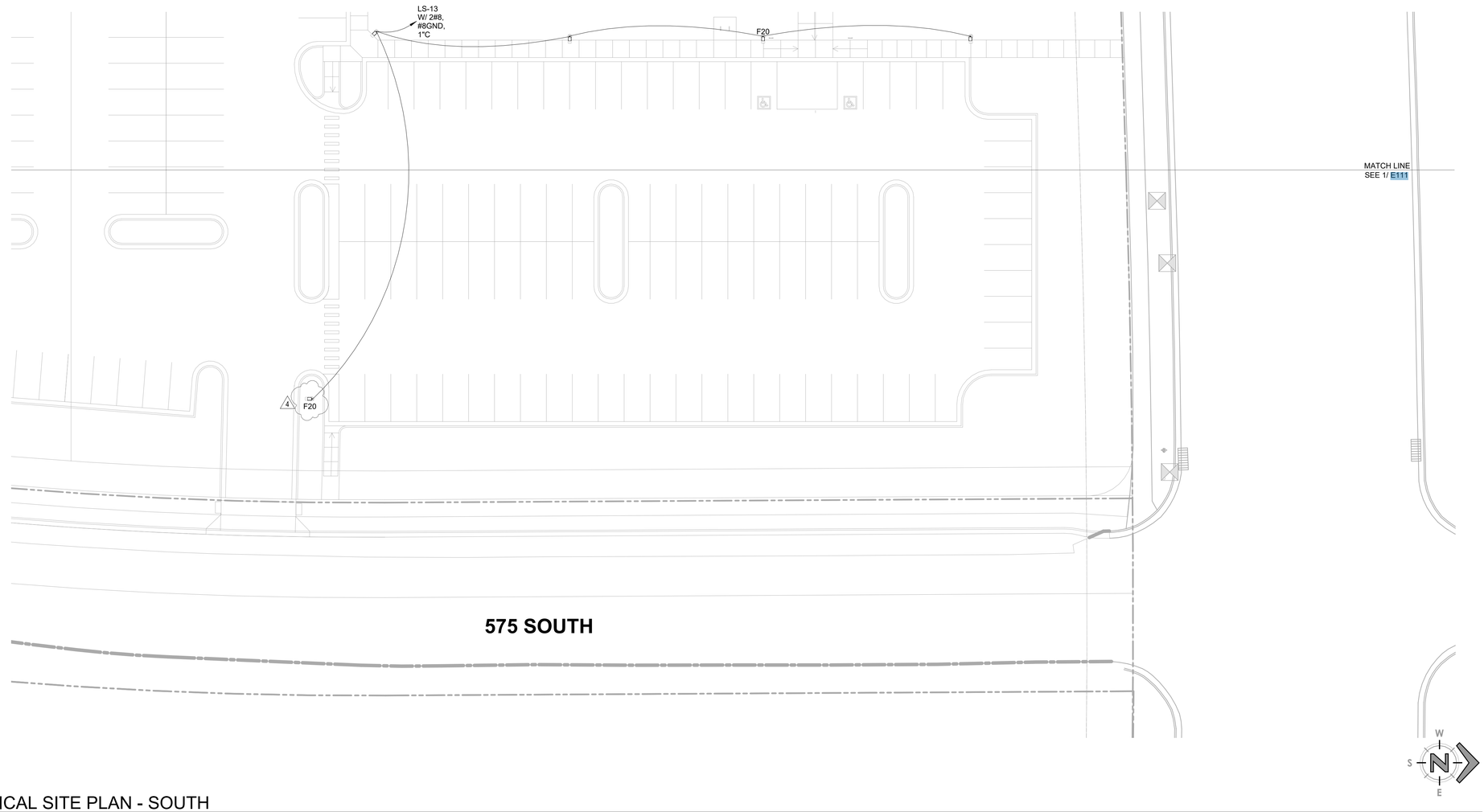
Drawing Issue and Revision Schedule

#	Date	Description
4	01 Jul 2025	City Review Comments
1	15 Aug 2024	Bid Documents

ELECTRICAL SITE PLAN - NORTH

E111

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7/1/2025 4:32:21 PM



1 ELECTRICAL SITE PLAN - SOUTH
1" = 20'-0"

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THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

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Owner #: 502-2004

Drawing Issue and Revision Schedule

#	Date	Description
4	01 Jul 2025	City Review Comments
1	15 Aug 2024	Bid Documents

ELECTRICAL SITE PLAN - SOUTH

E112

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GENERAL NOTES

1. SEE ME SHEETS FOR ELECTRICAL WORK FOR CONTROLS.
2. EXACT LOCATION OF LIGHT FIXTURES SHALL BE AS SHOWN ON REFLECTED CEILING PLAN SHEET A151.
3. CEILING MOUNTED OCCUPANCY SENSORS SHALL NOT BE INSTALLED WITHIN 6 FEET OF ANY MECHANICAL DIFFUSER.
4. LOWER CASE LETTERS ON OR NEAR FIXTURES INDICATE CONTROLLING SWITCHES. SWITCH LEGS NOT ALWAYS SHOWN.
5. SEE SHEET E601 FOR ELECTRICAL SYMBOLS LEGEND.
6. FOR RECESSED LIGHTING IN HALLWAYS AND RESTROOMS, DO NOT CUT JOISTS. ROTATE FIXTURES IF REQUIRED.

KEYED NOTES

1. CIRCUIT THROUGH THE LIGHTING CONTROL PANEL. SEE EXTERIOR LIGHTING CONTROL DIAGRAM SHEET E603.
2. PROVIDE SUFFICIENT BOX DEPTH AND CORRECT PLASTER RING TO ACCOMMODATE ACTUAL RELAY UNIT AND OCCUPANCY SENSOR INSTALLED. ALSO PROVIDE PROPER SEPARATION OF 120V AND CLASS 2 WIRING AS NECESSARY IN ACCORDANCE WITH NEC SET SENSITIVITY AND TIME DELAY OF SENSOR AT MAXIMUM.
3. FIXTURE TO BE ON CONTINUOUSLY (NOT SWITCHED).
4. MOUNT WALL SCONCE AT 7'-6" AFF TO TOP OF FIXTURE.
5. PROVIDE CONTRACTOR FURNISHED FIRE ALARM WIRELESS COMMUNICATOR (DSC 3G4010-CF) AND PROVIDE INTERCONNECT WIRING BACK TO FIRE ALARM PANEL.
6. PROVIDE WIRE GUARD.
7. THIS FIXTURE IS IN THE DAYLIGHT ZONE.
8. PROVIDE A 90 MINUTE REMOTE EMERGENCY LIGHTING UNIT FOR THIS FIXTURE. SEE POWER LAYOUT FOR REMOTE EMERGENCY LIGHTING UNIT LOCATION.
9. PROVIDE MOMENTARY SWITCH TO CONTROL LIGHTING TIED TO OCCUPANCY SENSOR. WIRE TO OCCUPANCY SENSOR OR POWER PACK (DEPENDING ON MANUFACTURER).
10. SEE DETAIL 3/E501 FOR SWITCH LABELING.
11. SEE DETAIL 2/E501 FOR SWITCH LABELING.
12. PROVIDE TWO ZONE ROOM CONTROLLER. HIGH-BAY OCCUPANCY SENSORS SHALL TIE INTO ROOM CONTROLLER. MULTI-BUTTON SWITCHES SHALL CONTROL ZONES SHOWN ON E501.
13. PROVIDE THREE ZONE ROOM CONTROLLER. HIGH-BAY OCCUPANCY SENSORS SHALL TIE INTO ROOM CONTROLLER. MULTI-BUTTON SWITCHES SHALL CONTROL ZONES SHOWN ON E501.

1 MAIN FLOOR LIGHTING PLAN
1/8" = 1'-0"

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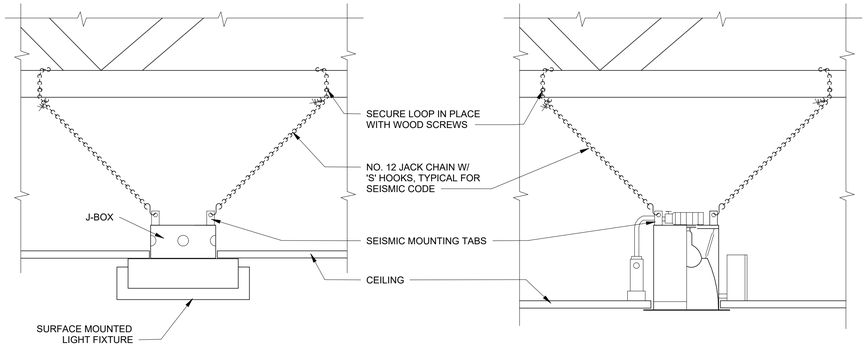
Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

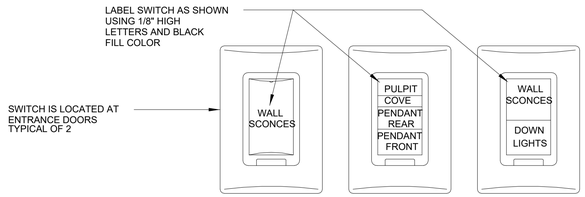
MAIN FLOOR LIGHTING PLAN

E151

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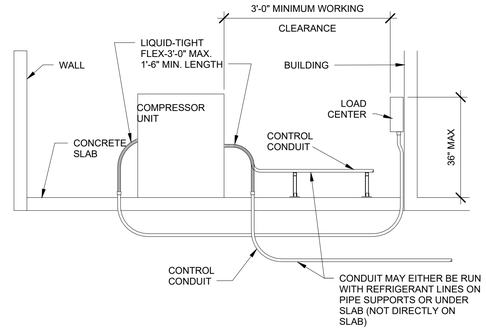
1 LIGHT FIXTURE SEISMIC BRACING
NOT TO SCALE



2 CHAPEL LIGHT SWITCH COVER PLATE DETAIL
NOT TO SCALE



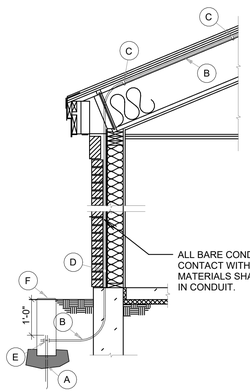
3 CULTURAL HALL LIGHT SWITCH COVER PLATE DETAIL
NOT TO SCALE



4 COMPRESSOR UNIT CONDUIT DETAIL
NOT TO SCALE

NOTES

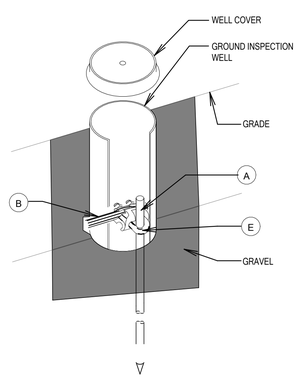
1. SEE ARCHITECTURAL SHEETS FOR REQUIRED LIGHTNING PROTECTION SYSTEM. COORDINATE CONNECTION TO THE STEEPLE WITH THE GENERAL CONTRACTOR AND STEEPLE SUPPLIER. MAKE ALL REQUIRED CONNECTIONS FOR A COMPLETE LIGHTING PROTECTION SYSTEM.
2. SUPPORT LIGHTNING CABLES EVERY THREE FEET ALONG ENTIRE RUN USING SPECIFIED FASTENERS.
3. BOND METAL BODIES INTO SYSTEM AS REQUIRED.
4. FURNISH AND INSTALL SURGE PROTECTION DEVICE (SPD) FOR MAIN ELECTRICAL PANEL. REFER TO SPECIFICATIONS.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL CONNECTION REQUIREMENTS TO THE STEEPLE WITH THE GENERAL CONTRACTOR AND STEEPLE SUPPLIER. ELECTRICAL CONTRACTOR SHALL BE ON SITE WHEN THE STEEPLE IS INSTALLED AND MAKE ALL REQUIRED CONNECTIONS TO THE LIGHTNING PROTECTION SYSTEM.
6. REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
7. REFER TO THE SPECIFICATIONS FOR FITTING REQUIREMENTS.



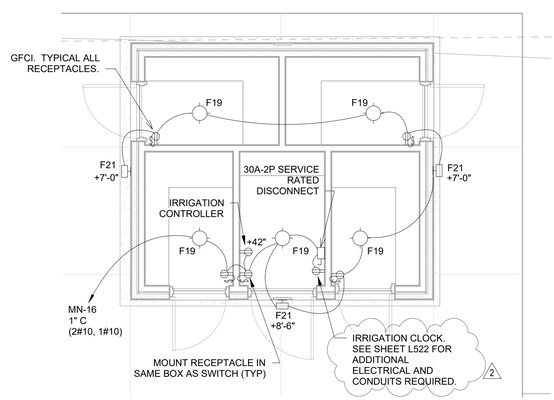
LEGEND

- A GROUND ROD
- B SMOOTH TWIST COPPER CABLE
- C COPPER LOOP FASTENER
- D LARGE BRONZE CLAMP
- E PERPENDICULAR GROUND ROD AND CABLE CLAMP
- F GROUND INSPECTION WELL

P CABLE INSTALLATION DETAIL
SCALE: 1/2" = 1'-0"



R GROUND INSPECTION WELL
NOT TO SCALE



5 STORAGE BUILDING ELECTRICAL PLAN
1/4" = 1'-0"

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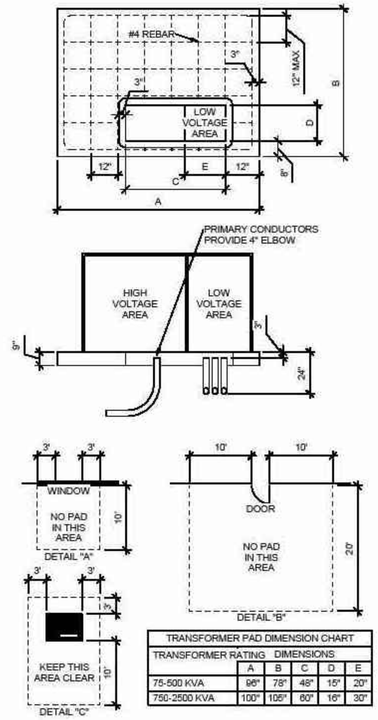
Drawing Issue and Revision Schedule

#	Date	Description
2	27 Aug 2024	Addendum #1
1	15 Aug 2024	Bid Documents

ELECTRICAL DETAILS

E501

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8/27/2024 4:46:58 PM



TRANSFORMER PAD DIMENSION CHART					
TRANSFORMER RATING	DIMENSIONS				
	A	B	C	D	E
75-500 KVA	96"	78"	48"	15"	20"
750-2500 KVA	100"	105"	60"	16"	30"

CONTRACTOR GENERAL NOTES:

1. SITE PREPARATION. ALL SOIL BENEATH THE PAD SITE MUST BE COMPACTED AND LEVEL PRIOR TO SETTING OR POURING THE PAD TO PREVENT SETTLING.

2. CONCRETE. STEEL REINFORCEMENT SHALL BE #4 BARS, PLACED ACCORDING TO THE DRAWING. THE PAD MUST BE POURED AT LEAST SEVEN FULL DAYS PRIOR TO SETTING THE TRANSFORMER. THE FINISHED SURFACE MUST BE COMPLETELY FLAT AND LEVEL. SEE STANDARD 73 036 FOR CONCRETE SPECIFICATIONS.

3. PREFABRICATION. THE PAD MAY EITHER BE CONSTRUCTED ON THE SITE OR PREFABRICATED ACCORDING TO SPECIFICATIONS.

4. CONDUIT WINDOW LAYOUT. LOW VOLTAGE CONDUITS SHALL BE FORMED AS TIGHTLY AS POSSIBLE AGAINST THE RIGHT SIDE OF THE OPENING AND SHALL IN NO CASE EXTEND FURTHER THAN 20" FROM THE RIGHT SIDE OF THE CONDUIT WINDOW ON THE SMALL PAD OR 30" ON THE LARGE PAD. NO MORE THAN 8 CONDUITS WILL BE USED ON THE LOW VOLTAGE SIDE (NOT INCLUDING THE METERING CONDUIT). DO NOT PUT ANY CONCRETE IN OR UNDER THE CONDUIT WINDOW. USE SOIL TO SEPARATE CONDUITS. BELL ENDS ARE REQUIRED FOR ALL METAL CONDUIT, BUT NOT FOR PLASTIC CONDUIT.

5. CLEARANCES. THE FRONT OF THE PAD SHOULD ALWAYS FACE AWAY FROM ADJACENT STRUCTURES AND BE FREE OF OBSTRUCTIONS. AT LEAST 3 FEET MUST SEPARATE THE EDGES OF THE PAD FROM ANY ADJACENT STRUCTURE. THE EDGES OF THE PAD MUST BE AT LEAST 10 FEET FROM ANY COMBUSTIBLE STRUCTURE. IF AN ADJACENT STRUCTURE HAS ANY OVERHANG OR EAVE WITHIN 27 VERTICAL FEET OF THE TOP OF THE PAD, CLEARANCES MUST BE MEASURED FROM THE OUTSIDE OF THE OVERHANG. THE PAD MUST NOT BE PLACED IN AN AREA 10 FEET IN LINE WITH OR 3 FEET TO EITHER SIDE OF ANY WINDOW IN AN ADJACENT STRUCTURE (SEE DETAIL "A"). CLEARANCE FOR A DOOR MUST BE 20 FEET IN LINE WITH IT AND 10 FEET ON THE SIDES (SEE DETAIL "B"). PADS MUST NOT BE PLACED WITHIN 15 FEET OF ANY VALVE OR WITHIN 20 FEET OF ANY PLUMBING OR STORAGE FACILITY CONTAINING FLAMMABLE MATERIAL. NO WALLS, FENCES, OR ANY OTHER OBSTRUCTIONS WILL BE PLACED WITHIN 3 FEET OF THE SIDES OR BACK OF THE PAD, OR WITHIN 10 FEET OF THE FRONT OF THE PAD (SEE DETAIL "C"). THE AREA IN FRONT OF THE PAD MUST HAVE 10 FEET OF CLEAR, LEVEL WORKING AREA FOR MAINTENANCE OF THE TRANSFORMER. THE PAD MAY NOT BE PLACED IN LINE WITH AN AIR INTAKE WITHIN 32 VERTICAL FEET OF THE SURFACE PAD. ALSO VERTICALLY, IT MUST NOT BE PLACED WITHIN 12 FEET OF A DOOR OR WINDOW.

6. BARRIERS. IF THE TRANSFORMER PAD IS TO BE LOCATED IN AREAS SUBJECT TO VEHICULAR TRAFFIC, (PARKING LOTS, DRIVEWAYS, ETC) CONTACT UTAH POWER & LIGHT FOR PROTECTIVE BARRIER REQUIREMENTS.

7. IF THE TRANSFORMER WILL NOT COVER THE CABLE OPENINGS ON THESE STANDARD PADS, SEAL THE SIDES OF THE CABLE OPENING TO FIT THE TRANSFORMER USING SAKRETE OR COMPARABLE.

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Drawing Issue and Revision Schedule

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TRANSFORMER PAD DETAIL

E502

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8/15/2024 11:48:16 AM

Compressor Unit Circuiting Schedule

Load Name	Wire Size	Wire Type	Breaker Rating	Apparent Current
COMPRESSOR UNIT CU-1a	2-#8, 1-#10	Cu THHN	45 A	28 A
COMPRESSOR UNIT CU-1b	2-#8, 1-#10	Cu THHN	45 A	28 A
COMPRESSOR UNIT CU-1c	2-#8, 1-#10	Cu THHN	45 A	28 A
COMPRESSOR UNIT CU-1d	2-#8, 1-#10	Cu THHN	45 A	28 A
COMPRESSOR UNIT CU-2a	2-#6, 1-#10	Cu THHN	50 A	32 A
COMPRESSOR UNIT CU-2b	2-#6, 1-#10	Cu THHN	50 A	32 A
COMPRESSOR UNIT CU-3	2-#6, 1-#10	Cu THHN	50 A	32 A
COMPRESSOR UNIT CU-4	2-#8, 1-#10	Cu THHN	35 A	22 A
COMPRESSOR UNIT CU-5	2-#10, 1-#10	Cu THHN	30 A	19 A
COMPRESSOR UNIT CU-6	2-#10, 1-#10	Cu THHN	30 A	19 A
COMPRESSOR UNIT CU-7	2-#8, 1-#10	Cu THHN	45 A	28 A
COMPRESSOR UNIT CU-8	2-#8, 1-#10	Cu THHN	35 A	22 A
COMPRESSOR UNIT CU-9	2-#8, 1-#10	Cu THHN	45 A	28 A
COMPRESSOR UNIT CU-10	2-#8, 1-#10	Cu THHN	45 A	28 A
COMPRESSOR UNIT CU-11	2-#8, 1-#10	Cu THHN	45 A	28 A
COMPRESSOR UNIT CU-12	2-#6, 1-#10	Cu THHN	50 A	32 A
COMPRESSOR UNIT CU-13	2-#8, 1-#10	Cu THHN	35 A	22 A

Exhaust Fan Circuiting Schedule

Load Name	Watts	# of Runs	Wire Size	Wire Type	Breaker Rating	Comments
LTS-PRIM,RM,EF-5		2	1-#12, 1-#12, 1-#12	Cu THHN	20 A	REFER TO DRAWINGS FOR FAN SWITCH CIRCUITING
LTS-MAT,RMS,EF-7	250	3	1-#12, 1-#12, 1-#12	Cu THHN	20 A	REFER TO DRAWINGS FOR FAN SWITCH CIRCUITING
LTS-RR,EF-1,2	100	1	1-#12, 1-#12, 1-#12	Cu THHN	20 A	REFER TO DRAWINGS FOR FAN SWITCH CIRCUITING
LTS-RM,SA,EF-3,4,6	166	1	1-#12, 1-#12, 1-#12	Cu THHN	20 A	REFER TO DRAWINGS FOR FAN SWITCH CIRCUITING

Electric Heater Circuiting Schedule

Load Name	Voltage	Wire Size	Wire Type	Breaker Rating	Apparent Load
EH-1	208 V	1-#12, 1-#12, 1-#12	Cu THHN	20 A	3000 VA

Energy Recovery Units Circuiting Schedule

Load Name	# of Runs	Wire Size	Wire Type	Breaker Rating	Apparent Load
ERV-1a	1	1-#10, 1-#10, 1-#10	Cu THHN	25 A	2064 VA
ERV-1c	1	1-#10, 1-#10, 1-#10	Cu THHN	25 A	2064 VA
ERV-2a	1	1-#10, 1-#10, 1-#10	Cu THHN	25 A	2064 VA
ERV-2b	1	1-#10, 1-#10, 1-#10	Cu THHN	25 A	2064 VA
ERV-3	1	1-#10, 1-#10, 1-#10	Cu THHN	25 A	2064 VA
ERV-10	1	1-#10, 1-#10, 1-#10	Cu THHN	25 A	2064 VA
ERV-11	1	1-#10, 1-#10, 1-#10	Cu THHN	25 A	2064 VA
ERV-12	2	1-#10, 1-#10, 1-#10	Cu THHN	25 A	2064 VA

Fan Circuiting Schedule

Load Name	Wire Size	Wire Type	Breaker Rating	True Current	Comments
FAN F-1a	2-#12, 1-#12	Cu THHN	20 A	7 A	Provide a combination starter disconnect. The starter shall be controlled by the fire alarm system for automatic shut-off upon alarm.
FAN F-1b	2-#12, 1-#12	Cu THHN	20 A	7 A	Provide a combination starter disconnect. The starter shall be controlled by the fire alarm system for automatic shut-off upon alarm.
FAN F-1c	2-#12, 1-#12	Cu THHN	20 A	7 A	Provide a combination starter disconnect. The starter shall be controlled by the fire alarm system for automatic shut-off upon alarm.
FAN F-1d	2-#12, 1-#12	Cu THHN	20 A	7 A	Provide a combination starter disconnect. The starter shall be controlled by the fire alarm system for automatic shut-off upon alarm.
FAN F-2a	2-#12, 1-#12	Cu THHN	20 A	14 A	Provide a combination starter disconnect. The starter shall be controlled by the fire alarm system for automatic shut-off upon alarm.
FAN F-2b	2-#12, 1-#12	Cu THHN	20 A	14 A	Provide a combination starter disconnect. The starter shall be controlled by the fire alarm system for automatic shut-off upon alarm.
FAN F-3	2-#12, 1-#12	Cu THHN	20 A	14 A	Provide a combination starter disconnect. The starter shall be controlled by the fire alarm system for automatic shut-off upon alarm.
FAN F-4	2-#12, 1-#12	Cu THHN	20 A	7 A	Provide a combination starter disconnect. The starter shall be controlled by the fire alarm system for automatic shut-off upon alarm.
FAN F-5	2-#12, 1-#12	Cu THHN	20 A	7 A	Provide a combination starter disconnect. The starter shall be controlled by the fire alarm system for automatic shut-off upon alarm.
FAN F-6	2-#12, 1-#12	Cu THHN	20 A	7 A	Provide a combination starter disconnect. The starter shall be controlled by the fire alarm system for automatic shut-off upon alarm.
FAN F-7	2-#12, 1-#12	Cu THHN	20 A	10 A	Provide a combination starter disconnect. The starter shall be controlled by the fire alarm system for automatic shut-off upon alarm.
FAN F-8	2-#12, 1-#12	Cu THHN	20 A	10 A	Provide a combination starter disconnect. The starter shall be controlled by the fire alarm system for automatic shut-off upon alarm.
FAN F-9	2-#12, 1-#12	Cu THHN	20 A	10 A	Provide a combination starter disconnect. The starter shall be controlled by the fire alarm system for automatic shut-off upon alarm.
FAN F-10	2-#12, 1-#12	Cu THHN	20 A	10 A	Provide a combination starter disconnect. The starter shall be controlled by the fire alarm system for automatic shut-off upon alarm.
FAN F-11	2-#12, 1-#12	Cu THHN	20 A	14 A	Provide a combination starter disconnect. The starter shall be controlled by the fire alarm system for automatic shut-off upon alarm.
FAN F-12	2-#12, 1-#12	Cu THHN	20 A	14 A	Provide a combination starter disconnect. The starter shall be controlled by the fire alarm system for automatic shut-off upon alarm.
FAN F-13	2-#12, 1-#12	Cu THHN	20 A	7 A	Provide a combination starter disconnect. The starter shall be controlled by the fire alarm system for automatic shut-off upon alarm.

Electrical Device Schedule

Description	Manufacturer	Model	Count
20 A Tamper-proof Duplex receptacle	Cooper	TR5362W	2
20 A Wall Switch	Cooper	CSB320	6
20A GFCI Protected Receptacle	Hubbell	GFR8300H	15
20A Tamper-proof Duplex Receptacle	Cooper	TR5362W	117
Automatic Door Operating Switch	Refer to Specifications		2
Automatic Door Operator	Refer to Specifications		2
Circulating Pump	Refer to Specifications		1
EWC GFCI Protected Receptacle	Hubbell	GFR8300H	2
Fire Alarm Control Panel	Refer to Specifications		1
Organ Junction Box	Refer to Specifications		1
Projection Screen	Refer to Specifications		1
Range Receptacle	Specification	Per equipment's manufacturer	1
Switched Duplex Receptacle	Cooper	TR5362W	4
Thermal trip switch in NEMA 4 enclosure	Square-D	FG6P	18
Thermostat	Refer to Specifications		1
Water Heater	Refer to Specifications		1
Weather proof while-in use GFCI duplex outlet. Provide alluminum cover and weather rated GFCI outlet.	Hubbell	GFTR20SCBA-WP26M	4

Lighting Device Schedule

Description	Manufacturer	Model	Count
15 A Pilot Switch	Cooper	294	1
20 A Single Pole Dimmer Switch	Refer to Specifications		12
20 A Single Pole Light Switch	Refer to Specifications		11
20 A Three Way Light Switch	Refer to Specifications		4
30 A Manual Motor Control Switch	Refer to Specifications		1
Dual technology ceiling mounted occupancy sensor with override switch	Wattstopper or Leviton equivalent	DT-355	34
Dual technology wall mounted occupancy sensor	Wattstopper or Leviton equivalent	DW-100	33
Momentary Light Switch	Refer to Specifications		9

Electrical Symbols Legend

NOTE: ALL SYMBOLS MAY NOT BE USED

S	Wall Switch
S3	Three-Way Wall Switch
S4	Four-Way Wall Switch
SDT	Digital Time Switch
SF	Motor Fan Switch
SM	Momentary Switch
SP	Pilot Switch
D	Dimmer Switch
	Duplex 20 A Receptacle
	Switched Duplex Receptacle
EWC GFCI	Electric Water Cooler GFCI Protected Receptacle
F	Flush Floor Fire Poke Through With Data Outlet
GFCI	Duplex 20 A GFCI Protected Receptacle
R	Range Receptacle
T	Duplex 20 A Tamper Proof Receptacle
WP GFCI	Duplex 20 A Weather Proof Receptacle. Provide a GFCI outlet and while in-use cover.
	Special Purpose Outlet. Provide per equipment manufacturer requirements.
▽	4" x 4" x 2-1/8" deep flush j-box with single gang mudring, 3/4" conduit to service entrance.
J	4" x 4" x 2-1/8" deep flush j-box with mudring to match application
M	Dual Technology Wall Mounted Occupancy Sensor
MDT	Dual Technology Ceiling Mounted Occupancy Sensor With Override Switch
	Electric Motor
EF 1	Mechanical Equipment Symbol
	Disconnect Switch
	Panelboard
	Branch Circuit Concealed in Ceiling, Wall or Floor
A-1	Circuit Homerun to Panel
?	Reference Note Callout
P	Photocell
	Fixture With Emergency Battery Pack
F2	Fixture Type
	Combination Starter Disconnect

Lighting Fixture Symbols

	F1
	F2
	F3
	F4
	F5
	F6
	F7
	F8
	F10
	F11
	F12
	F13
	F14
	F15
	F16
	F17
	F18
	F19
	F20
	F21
	F22
	F23
	F24
	F25

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THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 342 South Geneva Road
Vineyard, Utah 84059

Owner #: 502-2004
Plan Series: C300-MH-1.1
County Parcel: 39:228:0001
BHD #: 2346
Date: 15 Aug 2024

Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

SCHEDULES & SYMBOLS

E601

Autodesk Docs://240510 - Orem Vineyard Springwater Granger 300 Meetinghouse/240510-Elec Central.rvt
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BRANCH PANEL LN

Location: EQUIPMENT PLATFORM 201 **Volts:** 120/208 Wye **A.I.C. Rating:** 22000
Supply From: PANEL M **Phases:** 3 **Mains Type:** MLO
Mounting: SURFACE **Wires:** 4 **Mains Rating:** 100 A
Enclosure: Type 1

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
LN-1	LTS-BSHP,CLERK	20 A	1	360 VA	1173 VA		1	20 A	LTS-PRIM,RM,EF-5	LN-2
LN-3	LTS/RCPT-FOYER	20 A	1		879 VA	628 VA	1	20 A	LTS-RR,EF-1,2	LN-4
LN-5	LTS-MAT,RMS,EF-7	20 A	1			1578 VA	522 VA	1	20 A	LTS-ROOM,STOR	LN-6
LN-7	LTS-HALL	20 A	1	803 VA	0 VA			1	20 A	Spare	LN-8
LN-9	LTS-EXTERIOR	20 A	1		120 VA	0 VA		1	20 A	Spare	LN-10
LN-11	Ltg Site	20 A	1			400 VA	--	1	--	Space	LN-12
LN-13	Spare	20 A	1	0 VA	--			1	--	Space	LN-14
LN-15	Spare	20 A	1		0 VA	--		1	--	Space	LN-16
			Total Load:	2332 VA	1627 VA	2480 VA				
			Tot. Amps:	20 A	14 A	22 A				

Legend:

Load Classification	Connected Load	Demand Factor	Est. Demand	Panel Totals	
Cooling	700 VA	100.00%	700 VA		
Lighting	1759 VA	100.00%	1759 VA	**Total Conn. Load:**	6425 VA
Other	3670 VA	100.00%	3670 VA	**Total Est. Demand:**	6299 VA
Receptacle	360 VA	65.00%	234 VA	**Total Conn.:**	18 A
				Total Est. Demand:	17 A

Notes:
1. PROVIDE ARC-FLASH HAZARD LABELS PER SPECIFICATION.

BRANCH PANEL LS

Location: EQUIPMENT PLATFORM 201 **Volts:** 120/208 Wye **A.I.C. Rating:** 22000
Supply From: PANEL M **Phases:** 3 **Mains Type:** MLO
Mounting: SURFACE **Wires:** 4 **Mains Rating:** 100 A
Enclosure: Type 1

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
LS-1	LTS-BSHP,CLERK	20 A	1	360 VA	981 VA		1	20 A	LTS-CULT HALL	LS-2
LS-3	LTS-FOYER	20 A	1		879 VA	2269 VA	1	20 A	LTS-ROST,CHAPEL	LS-4
LS-5	LTS-RM,SA,EF-3,4,6	20 A	1			1712 VA	1754 VA	1	20 A	LTS-ROST,COVE	LS-6
LS-7	LTS-HALL	20 A	1	603 VA	668 VA			1	20 A	LTS-EQ PLAT	LS-8
LS-9	LTS-EXTERIOR	20 A	1		160 VA	300 VA		1	20 A	ATTIC LIGHTS	LS-10
LS-11	LTS-RELIEF SOC	20 A	1			402 VA	--	1	--	Space	LS-12
LS-13	Ltg Site	20 A	1	400 VA	--			1	--	Space	LS-14
LS-15	Spare	20 A	1		0 VA	--		1	--	Space	LS-16
			Total Load:	2979 VA	3179 VA	3852 VA				
			Tot. Amps:	25 A	27 A	32 A				

Legend:

Load Classification	Connected Load	Demand Factor	Est. Demand	Panel Totals	
Cooling	347 VA	100.00%	347 VA		
Lighting	2384 VA	100.00%	2384 VA	**Total Conn. Load:**	9583 VA
Other	6523 VA	100.00%	6523 VA	**Total Est. Demand:**	9462 VA
Receptacle	360 VA	65.00%	234 VA	**Total Conn.:**	27 A
				Total Est. Demand:	26 A

Notes:
1. PROVIDE ARC-FLASH HAZARD LABELS PER SPECIFICATION.

BRANCH PANEL MN

Location: EQUIPMENT PLATFORM 201 **Volts:** 120/208 Wye **A.I.C. Rating:** 22000
Supply From: PANEL M **Phases:** 3 **Mains Type:** MLO
Mounting: SURFACE **Wires:** 4 **Mains Rating:** 100 A
Enclosure: Type 1

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
MN-1	FAN F-1a	20 A	1	864 VA	1656 VA		1	20 A	FAN F-3	MN-2
MN-3	FAN F-1b	20 A	1		864 VA	2064 VA	1	25 A	ERV-3	MN-4
MN-5	ERV-1a	25 A	1			2064 VA	1176 VA	1	20 A	FAN F-7	MN-6
MN-7	FAN F-5	20 A	1	864 VA	0 VA			1	20 A	Spare	MN-8
MN-9	ERV-2a	25 A	1		2064 VA	1176 VA		1	20 A	FAN F-9	MN-10
MN-11	FAN F-2a	20 A	1			1656 VA	1656 VA	1	20 A	FAN F-11	MN-12
MN-13	RCPT-EQ PLAT	20 A	1	540 VA	2064 VA			1	25 A	ERV-11	MN-14
MN-15	Spare	20 A	1		0 VA	1308 VA		1	20 A	SHED POWER	MN-16
MN-17	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	MN-18
MN-19	Spare	20 A	1	0 VA	--			1	--	Space	MN-20
MN-21	Spare	20 A	1		0 VA	--		1	--	Space	MN-22
MN-23	Spare	20 A	1			0 VA	--	1	--	Space	MN-24
			Total Load:	5988 VA	7474 VA	6552 VA				
			Tot. Amps:	50 A	63 A	55 A				

Legend:

Load Classification	Connected Load	Demand Factor	Est. Demand	Panel Totals	
Lighting	300 VA	100.00%	300 VA		
Other	10032 VA	100.00%	10032 VA	**Total Conn. Load:**	20013 VA
Power	8256 VA	100.00%	8256 VA	**Total Est. Demand:**	19092 VA
Receptacle	1440 VA	36.00%	518 VA	**Total Conn.:**	56 A
				Total Est. Demand:	53 A

Notes:
1. PROVIDE ARC-FLASH HAZARD LABELS PER SPECIFICATION.

BRANCH PANEL MS

Location: EQUIPMENT PLATFORM 201 **Volts:** 120/208 Wye **A.I.C. Rating:** 22000
Supply From: PANEL M **Phases:** 3 **Mains Type:** MLO
Mounting: SURFACE **Wires:** 4 **Mains Rating:** 225 A
Enclosure: Type 1

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
MS-1	FAN F-1d	20 A	1	864 VA	1176 VA		1	20 A	FAN F-8	MS-2
MS-3	ERV-1c	25 A	1		2064 VA	2064 VA	1	25 A	ERV-10	MS-4
MS-5	FAN F-1c	20 A	1			864 VA	1176 VA	1	20 A	FAN F-10	MS-6
MS-7	FAN F-2b	20 A	1	1656 VA	864 VA			1	20 A	FAN F-4	MS-8
MS-9	ERV-2b	25 A	1		2064 VA	1656 VA		1	20 A	FAN F-12	MS-10
MS-11	FAN F-6	20 A	1			864 VA	2064 VA	1	25 A	ERV-12	MS-12
MS-13	RCPT-EQ PLAT	20 A	1	360 VA	864 VA			1	20 A	FAN F-13	MS-14
MS-15	RCPT-TECH	20 A	1		180 VA	180 VA		1	20 A	RCPT-EQ PLAT	MS-16
MS-17	RCPT-TECH	20 A	1			180 VA	360 VA	1	20 A	RCPT-EQ PLAT	MS-18
MS-19	RCPT-TECH	20 A	1	180 VA	840 VA			1	20 A	WATER HTR WH-1	MS-20
MS-21	RCPT-TECH	20 A	1		180 VA	500 VA		1	20 A	WATER HTR WH-2	MS-22
MS-23	RCPT-TECH	20 A	1			180 VA	5000 VA	2	50 A	RANGE OUTLET (NOTE 2)	MS-24
MS-25	Spare	20 A	1	0 VA	5000 VA						MS-26
MS-27	EH-1	20 A	2		1500 VA	--		1	--	Shunt Trip	MS-28
MS-29						1500 VA	0 VA	1	20 A	Spare	MS-30
MS-31	Spare	20 A	1	0 VA	0 VA			1	20 A	Spare	MS-32
MS-33	Spare	20 A	1		0 VA	0 VA		1	20 A	Spare	MS-34
MS-35	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	MS-36
			Total Load:	11804 VA	10388 VA	12188 VA				
			Tot. Amps:	100 A	87 A	103 A				

Legend:

Load Classification	Connected Load	Demand Factor	Est. Demand	Panel Totals	
Appliance	10000 VA	100.00%	10000 VA		
Other	9984 VA	100.00%	9984 VA	**Total Conn. Load:**	34380 VA
Power	12596 VA	100.00%	12596 VA	**Total Est. Demand:**	33192 VA
Receptacle	1800 VA	34.00%	612 VA	**Total Conn.:**	95 A
				Total Est. Demand:	92 A

Notes:
1. PROVIDE ARC-FLASH HAZARD LABELS PER SPECIFICATION.
2. PROVIDE SHUNT TRIP CIRCUIT BREAKER. SHUNT TRIP SHALL BE CONTROLLED BY FIRE ALARM PANEL.

BRANCH PANEL RN

Location: EQUIPMENT PLATFORM 201 **Volts:** 120/208 Wye **A.I.C. Rating:** 22000
Supply From: PANEL M **Phases:** 3 **Mains Type:** MLO
Mounting: SURFACE **Wires:** 4 **Mains Rating:** 100 A
Enclosure: Type 1

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
RN-1	RCPT-BISHOP	20 A	1	900 VA	360 VA		1	20 A	RCPT-ROOMS	RN-2
RN-3	RCPT-BISHOP	20 A	1		900 VA	360 VA	1	20 A	RCPT-MAT'L CNTR	RN-4
RN-5	RCPT-CLERKS	20 A	1			1080 VA	540 VA	1	20 A	RCPT-MAT'L CNTR	RN-6
RN-7	RCPT-RM,FYR,HALL	20 A	1	540 VA	180 VA			1	20 A	RCPT-MAT'L CNTR	RN-8
RN-9	RCPT-CHAPEL	20 A	1		360 VA	720 VA		1	20 A	RCPT-RESTROOMS	RN-10
RN-11	PROJ SCREEN	20 A	1			708 VA	720 VA	1	20 A	RCPT-ROOM	RN-12
RN-13	RCPT-ROSTRUM	20 A	1	720 VA	720 VA			1	20 A	RCPT-HALL,CULT	RN-14
RN-15	ORGAN BOX	20 A	1		180 VA	180 VA		1	20 A	DRINKING FTN	RN-16
RN-17	Spare	20 A	1			0 VA	540 VA	1	20 A	RCPT-HALL,CULT	RN-18
RN-19	RCPT-VST,RM,CST	20 A	1	720 VA	1150 VA			1	20 A	BBALL STANDARD	RN-20
RN-21	RCPT-ROOMS	20 A	1		900 VA	1150 VA		1	20 A	BBALL STANDARD	RN-22
RN-23	RCPT-PRIM,ENTRY	20 A	1			1440 VA	0 VA	1	20 A	Spare	RN-24
RN-25	Spare	20 A	1	0 VA	--			1	--	Space	RN-26
RN-27	Spare	20 A	1		0 VA	--		1	--	Space	RN-28
RN-29	Spare	20 A	1			0 VA	--	1	--	Space	RN-30
			Total Load:	5290 VA	4750 VA	5028 VA				
			Tot. Amps:	44 A	40 A	42 A				

Legend:

Load Classification	Connected Load	Demand Factor	Est. Demand	Panel Totals	
Appliance	180 VA	100.00%	180 VA		
Other	108 VA	100.00%	108 VA	**Total Conn. Load:**	15068 VA
Power	780 VA	100.00%	780 VA	**Total Est. Demand:**	3308 VA
Receptacle	14000 VA	16.00%	2240 VA	**Total Conn.:**	42 A
				Total Est. Demand:	9 A

Notes:
1. PROVIDE ARC-FLASH HAZARD LABELS PER SPECIFICATION.

BRANCH PANEL RS

Location: EQUIPMENT PLATFORM 201 **Volts:** 120/208 Wye **A.I.C. Rating:** 22000
Supply From: PANEL M **Phases:** 3 **Mains Type:** MLO
Mounting: SURFACE **Wires:** 4 **Mains Rating:** 100 A
Enclosure: Type 1

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
RS-1	RCPT-BISHOP	20 A	1	900 VA	0 VA					
RS-3	RCPT-BISHOP	20 A	1		900 VA	0 VA	2	20 A	Spare	RS-4
RS-5	RCPT-CLERKS	20 A	1			1080 VA	0 VA	1	20 A	Spare	RS-6
RS-7	RCPT-MOTH,HALL	20 A	1	540 VA	360 VA			1	20 A	RCPT-SERVING	RS-8
RS-9	FACP	20 A	1		600 VA	180 VA		1	20 A	RCPT-SERVING	RS-10
RS-11	AUTO DOOR OPEN	20 A	1			600 VA	180 VA	1	20 A	RCPT-SERVING	RS-12
RS-13	RCPT-RM,STR,EXT	20 A	1	360 VA	180 VA			1	20 A	RCPT-FRIDGE	RS-14
RS-15	RCPT-ROOMS	20 A	1		900 VA	180 VA		1	20 A	RCPT-SERVING	RS-16
RS-17	RCPT-FYR,RM,ENT	20 A	1			720 VA	180 VA	1	20 A	DRINKING FTN	RS-18
RS-19	RCPT-CHAPEL	20 A	1	540 VA	0 VA			1	20 A	Spare	RS-20
RS-21	RCPT-CULT,STOR	20 A	1		720 VA	0 VA		1	20 A	Spare	RS-22
RS-23	RCPT-HALL,ENTRY	20 A	1			540 VA	1440 VA	1	20 A	RCPT-RELIEF SOC	RS-24
RS-25	Spare	20 A	1	0 VA	--			1	--	Space	RS-26
RS-27	Spare	20 A	1		0 VA	--		1	--	Space	RS-28
RS-29	Spare	20 A	1			0 VA	--	1	--	Space	RS-30
			Total Load:	2880 VA	3480 VA	4740 VA				
			Tot. Amps:	24 A	30 A	40 A				

Legend:

Load Classification	Connected Load	Demand Factor	Est. Demand	Panel Totals	
Appliance	180 VA	100.00%	180 VA		
Power	1200 VA	100.00%	1200 VA	**Total Conn. Load:**	11100 VA
Receptacle	9720 VA	18.00%	1750 VA	**Total Est. Demand:**	3130 VA
				Total Conn.:	31 A
				Total Est. Demand:	9 A

Notes:
1. PROVIDE ARC-FLASH HAZARD LABELS PER SPECIFICATION.

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THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake
Approx. 542 South Geneva Road
Vineyard, Utah 84059

Owner #: 502-2004
Plan Series: C300-MH-11
County Parcel: 39:228:0001
BHD #: 2346
Date: 15 Aug 2024

Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

PANEL SCHEDULES

E602

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8/15/2024 11:48:20 AM

BRANCH PANEL LC1

Location: EXTERIOR
Supply From: PANEL M
Mounting: Surface
Enclosure: Type 3R

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22000
Mains Type: MLO
Mains Rating: 150 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
LC1-1	COMPRESSOR UNIT CU-2a	50 A	2	3318 VA	3318 VA		2	50 A	COMPRESSOR UNIT CU-3	LC1-2
LC1-3					3318 VA	3318 VA				LC1-4
LC1-5	COMPRESSOR UNIT CU-7	45 A	2			2923 VA	2	45 A	COMPRESSOR UNIT CU-9	LC1-6
LC1-7				2923 VA	2923 VA					LC1-8
LC1-9	COMPRESSOR UNIT CU-11	45 A	2		2923 VA	0 VA	1	20 A	Spare	LC1-10
LC1-11						2923 VA	1	20 A	RCPT-EXTERIOR	LC1-12
LC1-13	Spare	40 A	2	0 VA	0 VA		2	50 A	Spare	LC1-14
LC1-15					0 VA	0 VA				LC1-16
				Total Load:	12480 VA	9558 VA	8912 VA			
				Tot. Amps:	105 A	80 A	74 A			

Legend:

Load Classification	Connected Load	Demand Factor	Est. Demand	Panel Totals	
Cooling	30805 VA	100.00%	30805 VA		
Receptacle	180 VA	80.00%	144 VA	**Total Conn. Load:**	30949 VA
				Total Est. Demand:	30920 VA
				Total Conn.:	86 A
				Total Est. Demand:	86 A

Notes:
1. ALL LOAD CENTERS SHALL HAVE SPACES AS SHOWN TO ALLOW FOR FUTURE ADDITION OF CONDENSING UNIT ANTI-THEFT SYSTEM (WHEN THIS SYSTEM IS ADDED THE LOAD CENTER WILL FEED A LOW-VOLTAGE TRANSFORMER FOR THE ANTI-THEFT SYSTEM). 2. PROVIDE ARC-FLASH HAZARD LABELS PER SPECIFICATION.

BRANCH PANEL LC2

Location: EXTERIOR
Supply From: PANEL M
Mounting: Surface
Enclosure: Type 3R

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22000
Mains Type: MLO
Mains Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
LC2-1	COMPRESSOR UNIT CU-1a	45 A	2	2923 VA	180 VA		1	20 A	RCPT-EXTERIOR	LC2-2
LC2-3					2923 VA	0 VA	1	20 A	Spare	LC2-4
LC2-5	COMPRESSOR UNIT CU-1b	45 A	2			2923 VA	0 VA	2	40 A	Spare	LC2-6
LC2-7				2923 VA	0 VA						LC2-8
LC2-9	COMPRESSOR UNIT CU-5	30 A	2		1945 VA	0 VA	2	50 A	Spare	LC2-10
LC2-11						1945 VA	0 VA				LC2-12
				Total Load:	5990 VA	4867 VA	4867 VA			
				Tot. Amps:	50 A	41 A	41 A			

Legend:

Load Classification	Connected Load	Demand Factor	Est. Demand	Panel Totals	
Cooling	15579 VA	100.00%	15579 VA		
Receptacle	180 VA	80.00%	144 VA	**Total Conn. Load:**	15723 VA
				Total Est. Demand:	15694 VA
				Total Conn.:	44 A
				Total Est. Demand:	44 A

Notes:
1. ALL LOAD CENTERS SHALL HAVE SPACES AS SHOWN TO ALLOW FOR FUTURE ADDITION OF CONDENSING UNIT ANTI-THEFT SYSTEM (WHEN THIS SYSTEM IS ADDED THE LOAD CENTER WILL FEED A LOW-VOLTAGE TRANSFORMER FOR THE ANTI-THEFT SYSTEM). 2. PROVIDE ARC-FLASH HAZARD LABELS PER SPECIFICATION.

Switchboard: PANEL M

Location: TECH 136
Supply From:
Mounting: Surface
Enclosure: Type 3R

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22000
Mains Type: MCB
Mains Rating: 600 A
MCB Rating: 600 A

Notes:
1. PROVIDE METER SOCKET AND CT CABINET PER LOCAL UTILITY REQUIREMENTS.
2. PROVIDE UNDERGROUND PARALLEL SERVICE TO THE SWITCHBOARD.
3. PROVIDE ALUMINUM BUSES
4. PANEL TO BE SERIES RATED.
5. ALL BREAKERS TO BE CAPABLE OF BEING LOCKED IN THE OFF POSITION.
6. PROVIDE A POWER QUALITY METER, CT'S AND PT'S MEASURING THE PANEL'S SERVICE ENTRANCE CONDUCTORS. TIE THE POWER QUALITY METER TO THE BUILDING MANAGEMENT SYSTEM.
7. PROVIDE REAL TIME ENERGY METERING ON EVERY BRANCH CIRCUIT IN THIS PANEL. TIE THE METERS TO THE BUILDING MANAGEMENT SYSTEM.

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
M-1	SPD	3	100 A	30 A	0 VA	
M-2	PANEL LS	3	100 A	70 A	9583 VA	
M-3	PANEL LN	3	100 A	70 A	6425 VA	
M-4	PANEL LC1	3	200 A	125 A	30949 VA	
M-5	PANEL LC2	3	100 A	100 A	15723 VA	
M-6	PANEL RN	3	100 A	125 A	15068 VA	
M-7	PANEL LC3	3	200 A	125 A	32987 VA	
M-8	PANEL LC4	3	100 A	100 A	15723 VA	
M-9	PANEL MN	3	100 A	100 A	20013 VA	
M-10	PANEL MS	3	200 A	150 A	34380 VA	
M-11	PANEL RS	3	100 A	125 A	11100 VA	
M-12	Spare	3	--	--	--	
					Total Conn. Load:	182921 VA
					Total Amps:	508 A

Legend:

Load Classification	Connected Load	Demand Factor	Est. Demand	Panel Totals	
Lighting	4443 VA	100.00%	4443 VA		
Other	30078 VA	100.00%	30078 VA	**Total Conn. Load:**	182921 VA
Power	22832 VA	100.00%	22832 VA	**Total Est. Demand:**	160588 VA
				Total Conn. Current:	508 A
				Total Est. Dem. Curr.:	446 A

Notes:
1. PROVIDE ARC-FLASH HAZARD LABELS PER SPECIFICATION.

BRANCH PANEL LC3

Location: EXTERIOR
Supply From: PANEL M
Mounting: Surface
Enclosure: Type 3R

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22000
Mains Type: MLO
Mains Rating: 125 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
LC3-1	COMPRESSOR UNIT CU-2b	50 A	2	3318 VA	2288 VA		2	35 A	COMPRESSOR UNIT CU-8	LC3-2
LC3-3					3318 VA	2288 VA				LC3-4
LC3-5	COMPRESSOR UNIT CU-4	35 A	2			2288 VA	2	45 A	COMPRESSOR UNIT CU-10	LC3-6
LC3-7				2288 VA	2923 VA					LC3-8
LC3-9	COMPRESSOR UNIT CU-13	35 A	2		2288 VA	3318 VA	2	50 A	COMPRESSOR UNIT CU-12	LC3-10
LC3-11						2288 VA	3318 VA				LC3-12
LC3-13	RCPT-EXTERIOR	20 A	1	180 VA	0 VA		1	20 A	Spare	LC3-14
LC3-15	Spare	40 A	2		0 VA	0 VA	2	50 A	Spare	LC3-16
LC3-17						0 VA	0 VA				LC3-18
				Total Load:	10961 VA	11211 VA	10816 VA			
				Tot. Amps:	92 A	94 A	90 A			

Legend:

Load Classification	Connected Load	Demand Factor	Est. Demand	Panel Totals	
Cooling	32843 VA	100.00%	32843 VA		
Receptacle	180 VA	80.00%	144 VA	**Total Conn. Load:**	32987 VA
				Total Est. Demand:	32958 VA
				Total Conn.:	92 A
				Total Est. Demand:	91 A

Notes:
1. ALL LOAD CENTERS SHALL HAVE SPACES AS SHOWN TO ALLOW FOR FUTURE ADDITION OF CONDENSING UNIT ANTI-THEFT SYSTEM (WHEN THIS SYSTEM IS ADDED THE LOAD CENTER WILL FEED A LOW-VOLTAGE TRANSFORMER FOR THE ANTI-THEFT SYSTEM). 2. PROVIDE ARC-FLASH HAZARD LABELS PER SPECIFICATION.

BRANCH PANEL LC4

Location: EXTERIOR
Supply From: PANEL M
Mounting: Surface
Enclosure: Type 3R

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22000
Mains Type: MLO
Mains Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
LC4-1	COMPRESSOR UNIT CU-1c	45 A	2	2923 VA	180 VA		1	20 A	RCPT-EXTERIOR	LC4-2
LC4-3					2923 VA	0 VA	1	20 A	Spare	LC4-4
LC4-5	COMPRESSOR UNIT CU-1d	45 A	2			2923 VA	0 VA	2	40 A	Spare	LC4-6
LC4-7				2923 VA	0 VA						LC4-8
LC4-9	COMPRESSOR UNIT CU-6	30 A	2		1945 VA	0 VA	2	50 A	Spare	LC4-10
LC4-11						1945 VA	0 VA				LC4-12
				Total Load:	5990 VA	4867 VA	4867 VA			
				Tot. Amps:	50 A	41 A	41 A			

Legend:

Load Classification	Connected Load	Demand Factor	Est. Demand	Panel Totals	
Cooling	15579 VA	100.00%	15579 VA		
Receptacle	180 VA	80.00%	144 VA	**Total Conn. Load:**	15723 VA
				Total Est. Demand:	15694 VA
				Total Conn.:	44 A
				Total Est. Demand:	44 A

Notes:
1. ALL LOAD CENTERS SHALL HAVE SPACES AS SHOWN TO ALLOW FOR FUTURE ADDITION OF CONDENSING UNIT ANTI-THEFT SYSTEM (WHEN THIS SYSTEM IS ADDED THE LOAD CENTER WILL FEED A LOW-VOLTAGE TRANSFORMER FOR THE ANTI-THEFT SYSTEM). 2. PROVIDE ARC-FLASH HAZARD LABELS PER SPECIFICATION.

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THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

Date: 15 Aug 2024
BHD #: 2346
County Parcel: 39-228:0001
Plan Series: C300-MH-11
Owner #: 502-2004

Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

PANEL SCHEDULES

E603

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LIGHTING FIXTURE SCHEDULE

Type Mark	Description	Lamp	Initial Color Temperature	Electrical Data	Manufacturer1	Model1	Manufacturer2	Model2	Manufacturer3	Model3	Manufacturer4	Model4	Manufacturer5	Model5	Manufacturer6	Model6	Manufacturer7	Model7	Manufacturer8	Model8
F1	1'x4' RECESSED MOUNTED FLAT LED PANEL.	40W LED	3500 K	120 V/1-40 VA	DAY-BRITE	1-FXP-38L-835-4-DS-UN V-DIM-FMA14FP	METALUX	FPX-DF-14W-U	HE WILLIAMS	BP-1-4-LS-8-CS-DFK-124 8W	LSI	SFP14-LED-40-UE-DIM-35 -642793	EELP	VLFP6-B-14-40L-QT-35/VLF P6-B-DWK14	COLUMBIA	CFP14-4035/FK-14	MERCURY	MP15-1-17-OCT-A-ELBS-UNI-LBF	SYLVANIA	60307/70132
F2	0.14 THICK ACRI-TUF LENS. 2'x4' SURFACE MOUNTED LOW PROFILE TROFFER WITH STEEL HOUSING.	65W LED	3500 K	120 V/1-65 VA	DAY-BRITE	2SML-74L-835-4-FS-19F-UNV-DIM	METALUX	24GR-LD5-72-A19/156-UNV-L835-CD1-U-SK-WT	HE WILLIAMS	12-4-L84/835-FAF 12140-(L72)-DIM-UNV -A2-MVOLT-SP	PACO LTG	PUSU-R-24-LED-50-35-S1	LITHONIA	2TLX4-72L-FW-A19-EZ1-LP8	COLUMBIA	LJT24-35VLSM-FSA19-ED1U 0-ED1U-ELL14			COLUMBIA	LJT24-35VLSM-FSAT1214 0-ED1U-ELL14
F3	2' WALL MOUNTED VANITY FIXTURE WITH ACRYLIC DIFFUSER. MOUNT AT CEILING.	26W LED	3500 K	120 V/1-20 VA	LSI	W442-LED-SS-35K-UE	METALUX	2BCLED-LD4-16SL-F-UNV-L835-CD1-U	HE WILLIAMS	29-2-L27/835-AF-(L15)-DI M-UNV	L.A. LIGHTING	BAN100-3-2L-FP A 1DRDM-UNV-1-835	LITHONIA	BLWP2 20L ADP GZ10 LP835	COLUMBIA	CWM2-35VWSM-FRFP-ED U				
F4	4' WALL MOUNTED VANITY FIXTURE WITH ACRYLIC DIFFUSER. MOUNT AT CEILING.	45W LED	3500 K	120 V/1-27 VA	LSI	W444-LED-SS-35K-UE	METALUX	4BCLED-LD4-24HL-F-UNV-L835-CD1-U	HE WILLIAMS	29-4-L54/835-AF-(L30)-DI M-UNV	L.A. LIGHTING	BAN100-6-4L-FP A 1DRDM-UNV-1-835	LITHONIA	BLWP4 40L ADP GZ10 LP835	COLUMBIA	CWM4-35VWSM-FRFP-ED U				
F5	4' SINGLE LAMP STRIP LIGHT. SURFACE OR CHAIN SUSPENDED. WITH WIRE GUARD.	50W LED	3500 K	120 V/1-28 VA	DAY-BRITE	FSS430L835-UNV-DIM / FSSWG4	METALUX	4SNX-37SL-LW-UNV-L835-CD1-U-WG-SNX/SN-4FT-BAYC-CHAIN/SET-U	HE WILLIAMS	76-4-L53/835-WG-7614 -DIM-UNV	LSI	SDL4-LED-30L-FL-UNV DIM1-35K-80CRI	LITHONIA	CSS L48 ALO3 MVOLT SWW3 80CRI	COLUMBIA	MPS4-35VW-FW-EDU CSHC		LNS-4FT-25-T1-F-G2/WIREGUARD		
F6	COVE STRIP 2' FIXTURE.	10W LED	3500 K	120 V/1-40 VA	LEDALITE	TC08L83515WN-SN-02-D E	COOPER IO LED	LM-05L-935-120-ID-UNV-S-SM-STD-XX 80CRI WH	HE WILLIAMS	CXC-2'00-L4/835-25-D-DI M-UNV			FOCAL POINT	FCOL-HN-500LF-35K-1C-UN V-LD1-CV-2'	LITECONTROL	30-CC-AI-2'-WHS-35K9-I05 0-D01-UNV		CUS-24"-LSC1-550LP-DIM10-MVOLT-120X120D-35K-90		
F7	COVE STRIP 4' FIXTURE 3000 LM.	20W LED	3500 K	120 V/1-28 VA	LEDALITE	TC08L83515WN-SN-04-D E	COOPER IO LED	LM-05L-935-120-ID-UNV-S-SM-STD-XX	HE WILLIAMS	CXC-4'00-L6/835-25-D-DI M-UNV			FOCAL POINT	FCOL-HN-500LF-35K-1C-UN V-LD1-CV-4' 35K 80CRI WH	LITECONTROL	30-CC-AI-4'-WHS-35K9-I05 0-D01-UNV	LUMENSENSE	4-LSC1-550LP-DIM10-MVOLT-120X120D-35K-90		
F8	COVE STRIP 4' FIXTURE 5000 LM.	28W LED	3500 K	120 V/1-45 VA	LEDALITE	TC08L83515WN-SN-04-D E	LITHONIA	LM-05L-935-120-ID-UNV-S-SM-STD-XX	HE WILLIAMS	CXC-4'00-L6/835-25-D-DI M-UNV			FOCAL POINT	FCOL-HN-500LF-35K-1C-UN V-LD1-CV-4' 35K 80CRI WH	LITECONTROL	30-CC-AI-4'-WHS-35K9-I05 0-D01-UNV	LUMENSENSE	4-LSC1-1100LP-DIM10-MVOLT-120X120D-35K-90		
F10	6" APERTURE RECESSED DOWNLIGHT WITH LED RETROFIT KIT AND SHALLOW HOUSING. WHITE TRIM AND LENSE. 1-1/4" CEILING FLANGE. RIM.	13W LED 1000 LM	3500 K	120 V/1-40 VA	GE	LRXBR61X9CWVQ/FRA ME6R	HALO	LT560WH12930E7ICAT	LITON	CH618UE-D10 CR6L22SW-T30	ELITE	RL679-1100L-CCT	LITHONIA	WF6 LED 27K30K35K MVOLT 90CRI MW	DMF	DRDH-N-IC-6-10O/ DRD2M-10-9-30-A DRD2T-R-6-S-WH	PRESCOLITE	LBRA-6RD-T-10L-CS9-WH / LBRA-RD-H		
F11	8" APERTURE DOWNLIGHT WITH WHITE TRIM. DAMP LOCATION RATED.	27W LED 2000 LM	4000 K	120 V/1-30 VA	GE	LRXR818840MD	PEACHTREE	8BLRD-25-35K-80-SH-TRW-120	SPECTRUM	RDF08LEDXT 30L 40K-MD EX BH27 RD8FXT SG	ELCO	E8LF-U-20-D/E810L-2040 W	LITON	CH828UE-D10 CR8L22SW-T30	HALO	PR820D010 PR8M34MDMW				
F11b	6" APERTURE DOWNLIGHT WITH WHITE TRIM. DAMP LOCATION RATED.	LED 2000 LM	3500 K	120 V/1-30 VA	LIGHTOLIER	6-R-N-P6R-DL-20-935-M-CC-Z10-U	HALO	PR62D010-PR6M34MDMW	HE WILLIAMS	6DR-L40/835-(L20)-DIM-U NV-OW-OF-CS-N-F1	ELCO	E6LFU20D-E610L2035W	LITHONIA	LBR6-AL02-20LM-35K-AR-L SS-MWD-MVOLT	PRESCOLITE	LF6SL-6LFSL20L35K				
F12	30" DIAMETER DOUBLE SEALED BOWL FIXTURE WITH MACHINED ALUMINUM TRIM RING. WITH FULLY SEALEDDOUBLE BOWL BOTTOM OF FIXTURES ELEV. = 113'-0" 50% UPLIGHT, 50% DOWNLIGHT.	96W LED 10,000 LM	3500 K	120 V/1-180 VA	VICTOR ILLUMINATING	VLD4130-ACC 90LED 35K-SA-XX-120-SD-DM7	EVERGREEN	SHP-RBR-P30-136L-9-WF9-35K-DIM-CLPT	LIGHTWAY	MONH-30-LED-L1A-2 SCBA-WSA	CRAFT-METAL	SC3612L-EEF-120/277 PC-SA-AD-D1-LDS DBL BOWL	SPECTRUM	SPEC18-0004C	LE LAMPISTE	BWL-S-D-36/XX/36-LED 106-DBWL-LDS-CLA-SA				
F13	36" DIAMETER DOUBLE SEALED BOWL FIXTURE WITH MACHINED ALUMINUM TRIM RING. FULLY SEALED DOUBLE BOWL BOTTOM OF FIXTURES ELEV. = 112'-0". MINIMUM LUMENS 10,000.	133W 14,000 LM	3500 K	120 V/1-270 VA	VICTOR ILLUMINATING	VLD4136-ACC 87LED 35K-SA-XX-120-SD-DM7	EVERGREEN	SHP-RBR-P36-156L-9-WF9-35K-DIM-CLPT	LIGHTWAY	MONH-36-LED-L1A-2-SC BA-WSA	CRAFT-METAL	SC1809S-EDS-120/277 PC-SA-AD-D1-LED	SPECTRUM	SPEC18-0007B	LE LAMPISTE	BWL-WS-D-13/7/5-LED 13-LDS-CLA-SA				
F14	WALL SCONCE WITH SEMISPHERICAL ACRYLIC LENS AND ALUMINUM TRIM RING TO MATCH PENDANT FIXTURES. SEE ARCHITECTURAL FOR MOUNTING.	LED	3500 K	CB3430 120 V/1-30 VA	MANNING	CBI-2749-BA-1L17T30 D0-120-WH-LDS	SPECTRUM	SPEC18-0007D	STONCO	LPW16-30-WW-G3- UNV-SCBA	CRAFT-METAL	SC1809S-EDS-120-D1 WM-WA-SA-FD	LE' LAMPISTE	BWL-WS-D-13/7/5-LED 13-LDS-CLA-SA	EVERGREEN	VE-WCSM-12-12W-9-WF	VICTOR	VWS4016-13LED-3K SA-120-DM7		
F17	SURFACE CYLINDRICAL SPOT LAMP HOLDER COMPATIBLE WITH TRACK.	1-PAR 38 LED REPLACEMENT 2000 LM DIMMABLE REPLACEMENT 2000 LM DIMMABLE (i.e. OSRAM 79363)	3500 K	120 V/1-28 VA	NORA	NTH-131W / NT-366W	HALO	L80815FL9030P	ELCO	ET650W/EP811W	SISTEMALUX	1590-835-45-120-01-LTE	JUNO	T283L 35K 80CRI PDIM FL WH	LITON	LT850-W/ LP913W				
F19	SURFACE CERAMIC LAMP HOLDER. PROVIDE METAL WIRE GUARD.	1-A19 LED REPLACEMENT 1000 LM	3500 K	120 V/1-60 VA	LEVITON	49875	PASS & SEYMOUR	274	ARROW-HART	604	BRYANT	5228							SYLVANIA	70956
F21	WALL MOUNTED. WET LOCATION FINISH TO MATCH PARKING LOT FIXTURES. PROVIDE FIXTURE WITH INTEGRAL BACK BOX. PROVIDE WITH VANDAL RESISTANT HARDWARE.	27W LED 2000 LM	3000 K	120 V/1-40 VA	TRACELITE	TLED112P-42-VS-4K-WH -TRH	LUMARK	AXCS2A DDBXD	STONCO	LPW16-58-WW-G3 UNV-SCBA	LSI	AWL-CBA-EP	LITHONIA	WSQ LED P1 40K SR3 120 BBW PE	HUBBELL	SG1-20-4K7-3-UNV-A4-WH S				
F23	2'x4' RECESSED FIXTURE WITH CENTER ACRYLIC LENS.	45W LED 5000 LM	3500 K	120 V/1-50 VA	ALPHALITE	ILT-CB-24L(45S2)/835-F K	LUMARK	24CZ2-45-UNV-L835-CD1 U-FK	HE WILLIAMS	LT24-L52/835-AF-DIM-UN V-FK	LSI	LPASC24-LED-48LUNV-DI M1-35-FK24	LITHONIA	BLC 2X4 5000LM 35K ADSM DGA24	COLUMBIA	LCAT24-35MLG-EDU FK24	ATG	ECRT24-25W-T1-R0-R1/EM	SYLVANIA	60878
F24	EXIT SIGN	5W LED		120 V/1-1 VA	COMPASS	CEG	EVENLITE	TLX-EM-GU-W	HE WILLIAMS	EXIT-G-EM-WHT-D	LSI	EX G U WB WH	ISOLITE	RL-EM-G-WH-(WG2)	CHLORIDE	VEGWEM	LIFE SAFETY LIGHTING	LSX2GWEM/LSCS-1	SYLVANIA	60762
F25	6" RECESSED WALLWASHING CANLIGHT WITH LED RETROFIT KIT AND SHALLOW HOUSING. WHITE TRIM AND LENSE. 1-1/4" CEILING FLANGE. RIM.	13W LED 1000 LM	3500 K	120 V/1-40 VA	HEWilliams	<va6AR-L10-90-35-UNV-A-W-OFries>	Lightolier	6RR-LW-10-935-W-CC-U	ELCO	V6OFCRWW-u-11-35K-F6160-SGC-HCR	Vantage	V6OFCRWW-u-11-35K-F6160-SGC-HCR	Halo	HC610-HM6052593561RWWH						

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THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

Date: 15 Aug 2024
BHD #: 2346
County Parcel: 39-228:0001
Plan Series: G300-MH-11
Owner #: 502-2004

Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

LIGHTING FIXTURE SCHEDULE

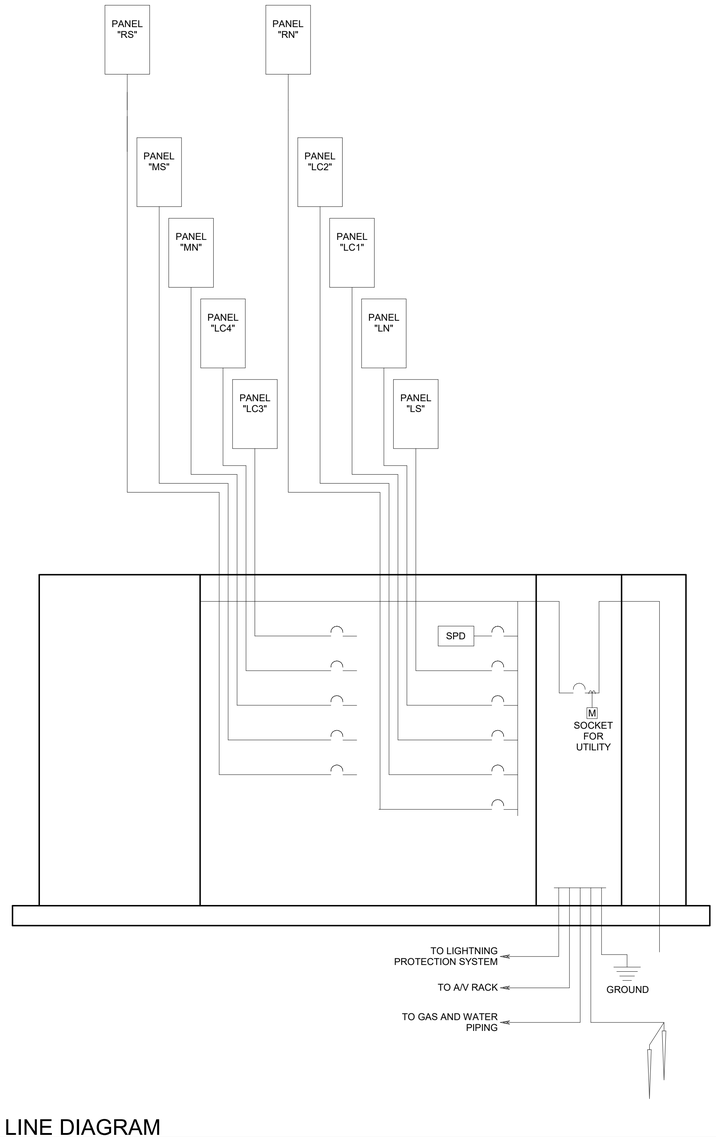
E604

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Distribution Wiring Schedule

Load Name	# of Runs	Wire Size	Wire Type	Breaker Rating	True Current	Neutral Rating	Bussing
Short Circuit Rating							
PANEL LC1	1	3-#2/0, 1-#2/0, 1-#4	Al XHHW2	125 A	69 A	100%	ALUMINUM
22000							
PANEL LC2	1	3-#1/0, 1-#1/0, 1-#4	Al XHHW2	100 A	35 A	100%	ALUMINUM
22000							
PANEL LC3	1	3-#2/0, 1-#2/0, 1-#4	Al XHHW2	125 A	73 A	100%	ALUMINUM
22000							
PANEL LC4	1	3-#1/0, 1-#1/0, 1-#4	Al XHHW2	100 A	35 A	100%	ALUMINUM
22000							
PANEL LN	1	3-#4, 1-#4, 1-#6	Cu THHN	70 A	18 A	100%	ALUMINUM
22000							
PANEL LS	1	3-#4, 1-#4, 1-#6	Cu THHN	70 A	26 A	100%	ALUMINUM
22000							
PANEL M	2	2 runs of 3-#500, 1-#500 1-#2/0	Al XHHW2	600 A	480 A	100%	ALUMINUM
22000							
PANEL MN	1	3-#1/0, 1-#1/0, 1-#4	Al XHHW2	100 A	56 A	100%	ALUMINUM
22000							
PANEL MS	1	3-#3/0, 1-#3/0, 1-#4	Al XHHW2	150 A	95 A	100%	ALUMINUM
22000							
PANEL RN	1	3-#1/0, 1-#1/0, 1-#4	Al XHHW2	100 A	42 A	100%	ALUMINUM
22000							
PANEL RS	1	3-#1/0, 1-#1/0, 1-#4	Al XHHW2	100 A	31 A	100%	ALUMINUM
22000							

5



1 SINGLE LINE DIAGRAM
NOT TO SCALE

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THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

Date: 15 Aug 2024
BHD #: 2346
County Parcel: 39-228:0001
Plan Series: G300-MH-11
Owner #: 502-2004

Drawing Issue and Revision Schedule

#	Date	Description
5	3 Apr 2025	ASI #1
1	15 Aug 2024	Bid Documents

POWER SINGLE LINE DIAGRAM

E605

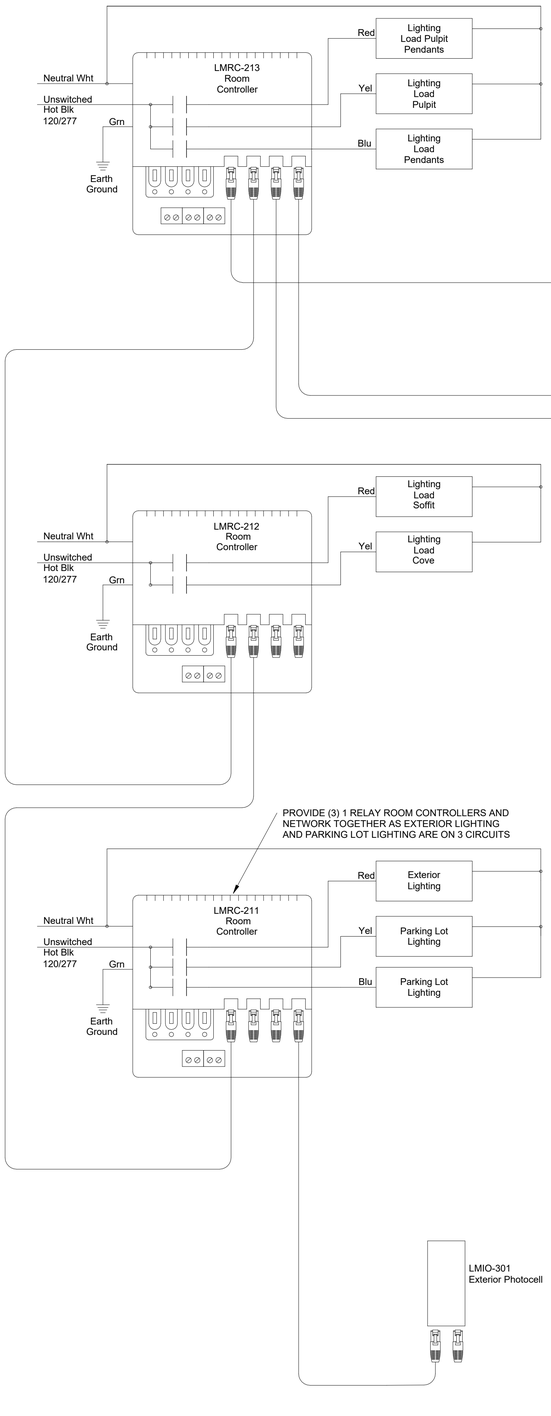
Autodesk Docs://240510 - Orem Vineyard Springwater Granger 300 Meetinghouse/240510-Elec Central.rvt
4/4/2025 12:24:35 AM

Chapel

BILL OF MATERIALS

LMRC_213 (1), Three Relay Room Controller
LMRC_212 (1), Two Relay Room Controller
LMRC_211 (3), One Relay Room Controller
LMPC_100-5 (4), Digital PIR Ceiling Mount Occupancy Sensor (extended height)
LMSW_101 (3), 1-Button Digital Wall Switch
LMSW_104 (1), 4-Button Digital Wall Switch

SEQUENCE OF OPERATION



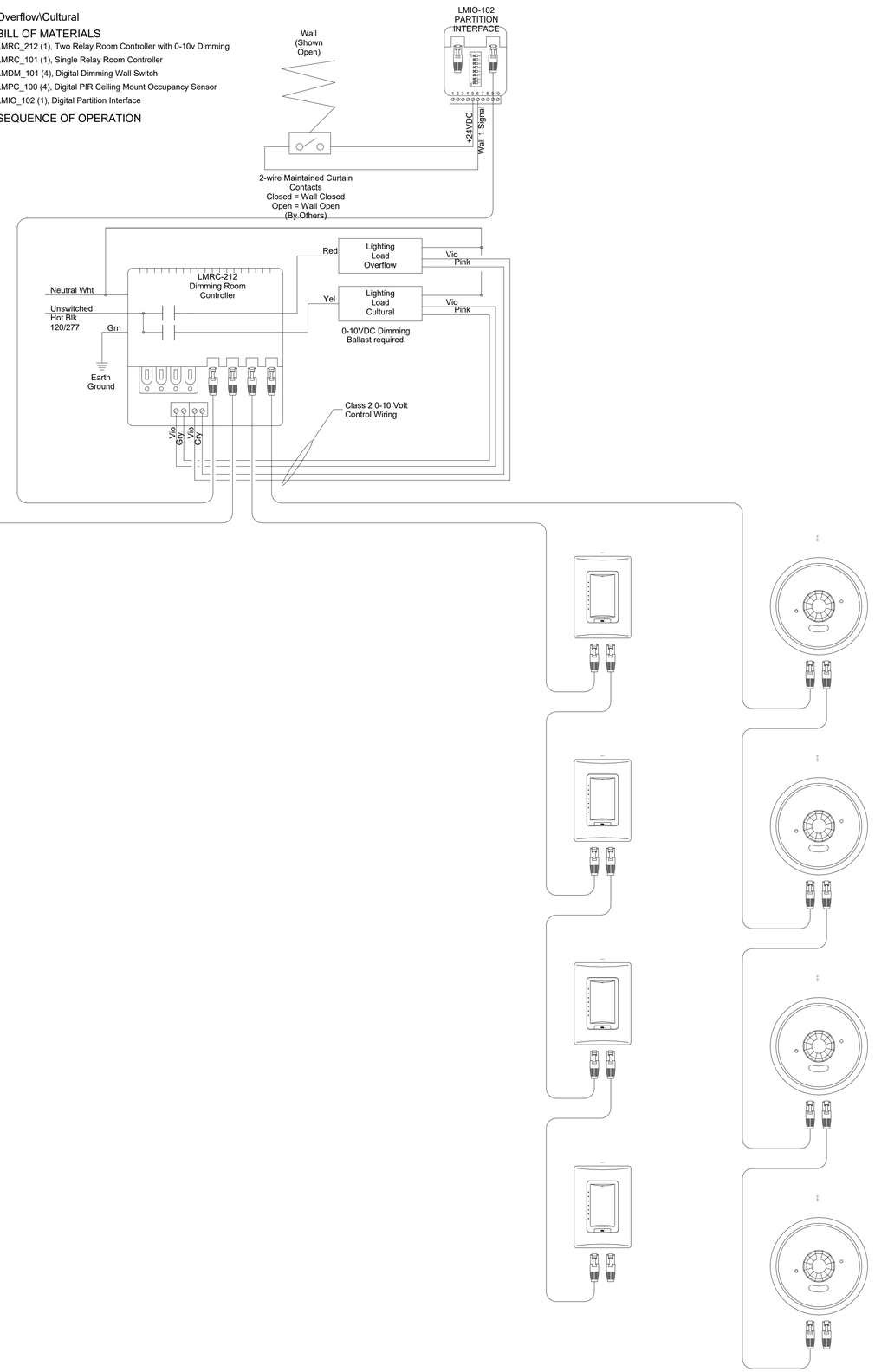
2 CHAPEL AND EXTERIOR LIGHTING CONTROL WIRING DIAGRAM
NO SCALE

Overflow\Cultural

BILL OF MATERIALS

LMRC_212 (1), Two Relay Room Controller with 0-10v Dimming
LMRC_101 (1), Single Relay Room Controller
LMDM_101 (4), Digital Dimming Wall Switch
LMPC_100 (4), Digital PIR Ceiling Mount Occupancy Sensor
LMIO_102 (1), Digital Partition Interface

SEQUENCE OF OPERATION



1 OVERFLOW/CULTURAL CENTER LIGHTING CONTROL WIRING DIAGRAM
NO SCALE

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LIGHTING CONTROL WIRING DIAGRAMS

E606

Autodesk Docs://240510 - Orem Vineyard Springwater Granger 300 Meetinghouse/240510-Elec Central.rvt
8/15/2024 11:48:29 AM



1 MAIN FLOOR AV ROUGH-IN FLOOR PLAN
1/8" = 1'-0"

SHEET KEYNOTES

1 PROVIDE GROUNDING COMPONENTS AS SHOWN ON DETAIL 4/ET602.

2 MOUNT JUNCTION BOXES HORIZONTALLY AND CENTERED IN HARDWOOD BASE ON FRONT OF ROSTRUM.

3 LOOP EXTRA CABLES THROUGH JUNCTION BOXES. DO NOT CUT.

4 INSTALL 4 EACH, 2.5" CONDUITS TO MECHANICAL PLATFORM WALKWAY. CONDUIT STUBS TO BE 4" ABOVE PLATFORM FLOOR NEXT TO WALL.

5 PROVIDE 1 EACH, 1.5" CONDUIT TO IRRIGATION CONTROLLER LOCATION WITH ONE 'D' TYPE CABLE AND DATA JACK.

6 PHONE CONNECTION TO FIRE ALARM PANEL.

7 SEE ARCHITECTURAL ROSTRUM MILLWORK DETAILS FOR ROUGH-IN AND MOUNTING OF PULPIT MICROPHONE.

8 PROVIDE 5 EACH 2" CONDUITS AND 1 EACH 1" CONDUIT FROM RACK #1 TO ORGAN SPEAKER CHAMBER. TERMINATE ALL ROSTRUM CONDUITS IN ORGAN CHAMBER.

9 SEE SHEET ET602 FOR CABLE TO CP AND CC. INSTALL CONDUITS PER GENERAL NOTE #1, SHEET ET101.

10 INSTALL 'HBR2' IN LARGE J-BOX BEHIND 'MON2'. SECURE AND NEATLY DRESS CABLES SO MOUNT MAY FULLY ARTICULATE WITHOUT DAMAGING CABLING.

11 FIRE ALARM SOUND SYSTEM MUTE CONNECTION.

12 1.25" CONDUIT.

13 PROVIDE (2) 3-GANG BOXES, MOUNTED IN THE MILLWORK ON THE SIDE OF THE PULPIT. SEE DETAIL 7/TA501 FOR MOUNTING OF 'CP1', 'CP2' AND OTHER DEVICES IN PULPIT SIDE.

14 TO PULPIT MOTOR CONTROL.

15 INSTALL DATA JACK FOR TV MONITOR AT 72" AFF ADJACENT TO POWER OUTLET. AV INSTALLER TO INSTALL OWNER-FURNISHED MONITOR AND MOUNT IN THIS LOCATION.

GENERAL SHEET NOTES

1. EACH VOICE AND DATA OUTLET SHALL HAVE A MINIMUM 1" CONDUIT FROM OUTLET TO EQUIPMENT RACK #2 OR EQUIPMENT PLATFORM WALKWAY. INSTALLER IS TO BE FAMILIAR WITH, AND COMPLY WITH THE ANSI/TIA/EIA/596-C STANDARDS. CONDUITS SHALL HAVE A TOTAL DISTANCE OF NO MORE THAN 230"-0". IF TOTAL BENDS ARE MORE THAN 180 DEREES, INCREASE CONDUIT SIZE ONE TRADE SIDE FOR EVERY ADDITIONAL 90 DEGREES. TYPICAL OF ALL LOCATIONS.
2. INSTALL EACH CABLE TYPE IN A SEPARATE CONDUIT.

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MAIN FLOOR AV ROUGH-IN FLOOR PLAN

ET101

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8/15/2024 7:42:49 AM



2 MAIN FLOOR AV ROUGH-IN CEILING PLAN
1/8" = 1'-0"

SHEET KEYNOTES

1 MOUNT DATA OUTLET FLUSH IN CEILING COORDINATE WITH DIVISION 27 1501 INSTALLER (TYPICAL).

2 MOUNT DATA OUTLET IN EQUIPMENT MEZZANINE ABOVE, NEXT TO MECHANICAL SYSTEM WEB INTERFACE. COORDINATE EXACT LOCATION WITH MECHANICAL INSTALLER.

3 ENSURE THE JUNCTION BOX FOR 'SV' IS NOT BEHIND DISPLAY BOARD.

4 MOUNT DATA OUTLET IN EQUIPMENT MEZZANINE ABOVE, NEXT TO LIGHTING CONTROLS. COORDINATE EXACT LOCATION WITH LIGHTING INSTALLER.

5 INSTALL ALS ANTENNA VERTICALLY IN ATTIC SPACE ABOVE CHAPEL.

GENERAL SHEET NOTES

1. MOUNT ALL LOUDSPEAKER BACKBOXES ON TILE BRIDGES IN SUSPENDED TILE CEILINGS. SECURE ALL BACKBOXES WITH SEISMIC RESTRAINT CABLE ACCORDING TO 5/ET601.

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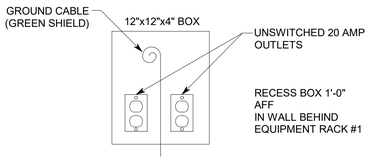
Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

MAIN FLOOR AV ROUGH-IN CEILING PLAN

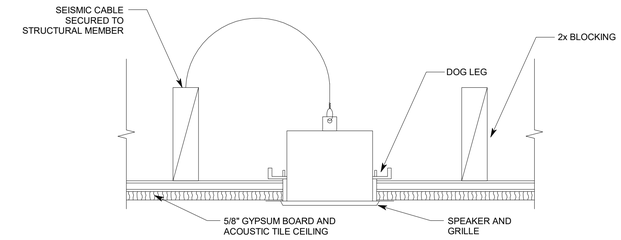
ET102

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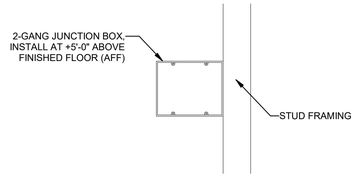
6 AV POWER JUNCTION BOX

NO SCALE



5 SPEAKER SEISMIC DETAIL

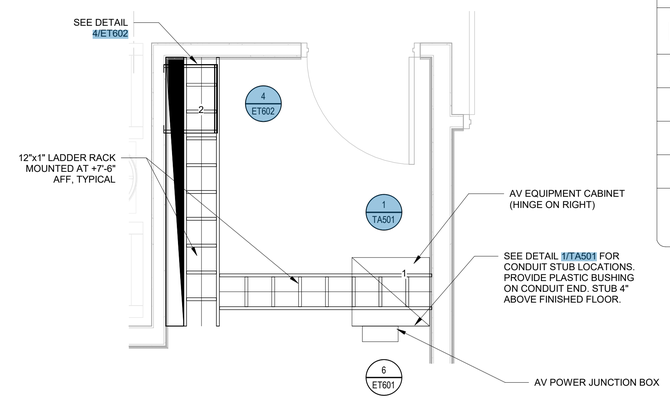
NO SCALE



4 CULTURAL CENTER CONTROLS JUNCTION BOX DETAIL

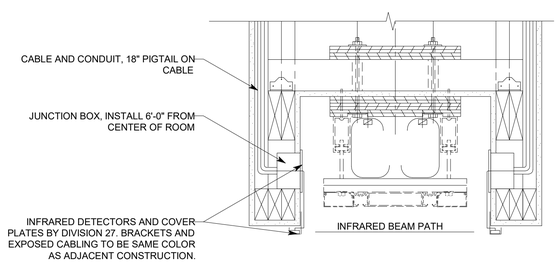
NO SCALE

CC CC2



3 TECH ROOM 136 DETAIL

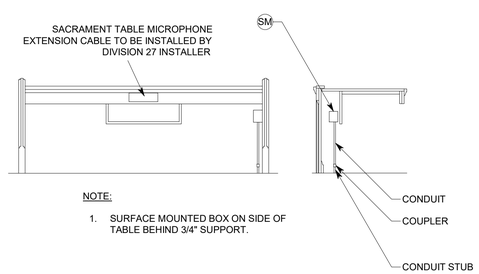
NO SCALE



2 HEADER DETAIL (IN CULTURAL CENTER)

NO SCALE

IR



1 SACRAMENT TABLE MICROPHONE DETAIL

NO SCALE

SM

ELECTRICAL SYSTEM EQUIPMENT LIST

SYM	DESCRIPTION	QTY	NOTES
M	2-1/8" DEEP, SINGLE GANG BOX W/ 5/8" PLASTER RING MOUNTED AT ELECTRICAL OUTLET HEIGHT, OR AS NOTED	OFP	
V	3-1/4" DEEP, 4-11/16" SQUARE BOX W/ 5/8" DEEP, SINGLE GANG PLASTER RING MOUNTED AT ELECTRICAL SWITCH HEIGHT	OFP	
WAP	2-1/8" DEEP, SINGLE GANG BOX W/ 5/8" SINGLE GANG PLASTER RING, FLUSH MOUNTED IN CEILING	OFP	
2	2-1/8" DEEP, DOUBLE GANG BOX MOUNTED AT ELECTRICAL OUTLET HEIGHT W/ 5/8" SINGLE GANG PLASTER RING	OFP	
▼	2-1/8" DEEP, DOUBLE GANG BOX MOUNTED AT FIRE ALARM PANEL W/ 5/8" DEEP SINGLE GANG PLASTER RING, OR AS NOTED	OFP	COORDINATE EXACT LOCATION WITH FIRE ALARM INSTALLER
SVM	3-1/4" DEEP, 4-11/16" SQUARE BOX W/ 5/8" DEEP, DOUBLE GANG PLASTER RING MOUNTED AT ELECTRICAL SWITCH HEIGHT	OFP	SEE DETAIL 9/TA501
SV	3-1/4" DEEP, 4-11/16" SQUARE BOX W/ 5/8" DEEP, DOUBLE GANG PLASTER RING MOUNTED AT ELECTRICAL SWITCH HEIGHT	OFP	SEE DETAIL 8/TA501
CC	3-1/4" DEEP, 4-11/16" SQUARE BOX W/ 5/8" DEEP, DOUBLE GANG PLASTER RING MOUNTED AT 5'-0" ABOVE FINISHED FLOOR	OFP	SEE DETAIL 4/ET601 AND 5/ET602
SM	2-1/8" DEEP, SINGLE GANG BOX SURFACE MOUNTED	1	SEE DETAIL 1/ET601 COORDINATE WITH MILLWORK DETAILS ON ARCHITECTURAL SHEETS
CP	CONTROL PEDESTAL, STUB CONDUITS THROUGH FLOOR	1	COORDINATE WITH MILLWORK DETAILS ON ARCHITECTURAL SHEETS
CP1 CP2	2-1/8" DEEP, TRIPLE GANG BOX, MOUNTED ON PULPIT SIDE	OFP	SEE DETAIL 7/TA501 COORDINATE WITH MILLWORK DETAILS ON ARCHITECTURAL SHEETS
CP3 CP4	MIN 3" DEEP TRIPLE GANG STEEL BOX, W/ 3/4" DEEP MUD RING, MOUNTED AT ELECTRICAL OUTLET HEIGHT	OFP	SEE DETAILS 1/ET602, 2/ET602, 5/ET602 AND 4/TA501, 5/TA501, 6/TA501
CP6	3-1/4" DEEP, 4-11/16" SQUARE BOX W/ 5/8" DEEP, DOUBLE GANG PLASTER RING MOUNTED AT ELECTRICAL OUTLET HEIGHT	OFP	SEE DETAIL 10/TA501
MON	LARGE CAPACITY JUNCTION BOX, INCLUDING FLANGE KIT AND COVER, MOUNTED IN WALL AT +7'-0" AFF ABOVE FINISHED FLOOR	OFP	CHIEF PAC 525FCW, SEE DETAIL 3/ET602
1	AV EQUIPMENT CABINET W/ 12"x12"x4" METAL JUNCTION BOX RECESSED IN WALL	OFP	CABINET FURNISHED AND INSTALLED BY AV INSTALLER, SEE DETAILS 3/ET601, 6/ET601, 1/TA501
2	DATA EQUIPMENT RACK, SWING FRAME	OFP	FURNISHED AND INSTALLED BY DIVISION 27, SEE DETAILS 3/ET601, 4/ET602, AND 5/TT601
IR	2-1/8" DEEP, DOUBLE GANG BOX MOUNTED IN DOOR HEADER	OFP	SEE DETAIL 2/ET601
S 4	SPEAKER MOUNTING RING	OFP	FURNISHED BY DIVISION 27, INSTALLED BY DIVISION 26, SEE DETAIL 5/ET601
S M	SPEAKER ENCLOSURE	OFP	FURNISHED BY DIVISION 27, INSTALLED BY DIVISION 26, SEE DETAIL 5/ET601
S 6	SPEAKER MOUNTING RING	OFP	FURNISHED BY DIVISION 27, INSTALLED BY DIVISION 26, SEE DETAIL 5/ET601
	WALL FIELD, PRE-TREATED PAINTED 0.75" PLYWOOD	OFP	FURNISHED AND INSTALLED BY DIVISION 26. SEE DETAILS 3/ET601 AND 4/ET602

MANUFACTURER'S NAMES AND TELEPHONE NUMBERS ARE LISTED IN THE SPECIFICATIONS
A/R = AS REQUIRED, OFP = OBTAIN FROM PLANS

GENERAL PROJECT NOTES

1. NO CHANGES SHALL BE MADE WITHOUT THE PROJECT AV/STRUCTURED CABLING CONSULTANT'S WRITTEN CONSENT.
2. REFER TO DRAWINGS FOR EXACT NUMBER OF COMPONENTS USED IF NOT SPECIFIED IN EQUIPMENT LIST.
3. PROVIDE CONDUIT FOR ALL LOW VOLTAGE CABLES SHOWN ON ET SHEETS AS FOLLOWS:
   - 3.1. PROVIDE CONDUIT FOR H,C,D,U,A AND S CABLES FROM DEVICE TO MECHANICAL EQUIPMENT PLATFORM ABOVE TECHNOLOGY ROOM 136. CABLES MAY THEN RUN EXPOSED AND STUB DOWN TO LADDER RACK. PROTECT EXPOSED CABLING ACCORDING TO DIVISION 27. ALLOW NO OTHER CABLE TO ATTACH TO TECHNOLOGY CABLES.
   - 3.2. PROVIDE CONDUITS FOR ALL ROSTRUM DEVICES TO ORGAN CHAMBER AND UNDER SLAB CONDUIT FROM ORGAN CHAMBER TO EQUIPMENT RACKS.
   - 3.3. PROVIDE CONDUIT UNDER SLAB FOR ALL "M", "B", AND "L" CABLES FROM DEVICE TO TECHNOLOGY ROOM EQUIPMENT RACK.
   - 3.4. ALL CABLING IN WALLS SHALL BE IN CONDUIT.
   - 3.5. SIZE CONDUIT AS NOTED OR ACCORDING TO CODE WHICHEVER IS GREATER WITH 0.75" MINIMUM.
   - 3.6. INSTALL DIFFERENT CABLE TYPES IN SEPARATE CONDUITS UNLESS NOTED OTHERWISE. SEPARATE CABLE TYPES OUTSIDE OF CONDUIT BY 12" MINIMUM
   - 3.7. ALL CONDUITS WITH OR WITHOUT CABLES SHALL HAVE A PULL STRING.
   - 3.8. LABEL ALL CONDUITS WITH DESTINATION.
   - 3.9. DEBUR ALL CONDUIT STUBS AND FIT WITH PLASTIC BUSHING
   - 3.10. RACEWAY SHALL BE FURNISHED AND INSTALLED BY DIVISION 26. CABLING IS FURNISHED AND INSTALLED BY DIVISION 27. RACEWAY, CABLING, AND TERMINATIONS SHALL BE ACCORDING TO 27 1501.
4. DIVISION 26 INSTALLER IS TO PROVIDE ALL ROUGH-IN INDICATED FOR DIVISION 27 INSTALLER. ALL ROUGH-IN SHALL COMPLY WITH ANSI/TIA/EIA 569-B STANDARDS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE LIMITATION OF (2) 90° BEND FOR CONDUIT. IT IS THE DIVISION 26 INSTALLERS RESPONSIBILITY TO ENSURE COMPLIANCE WITH STANDARD.
5. REFER TO A400 SERIES SHEETS FOR ADDITIONAL INFORMATION ON ROUGH-IN. SEE "A" SHEETS FOR MOUNTING DETAILS IN MILLWORK.
6. SPEAKER TRIM RINGS ARE FURNISHED BY DIVISION 27 AND INSTALLED BY DIVISION 26.
7. "ET" SHEETS SHOW WORK AND MATERIALS BY DIVISION 26 AND DIVISION 27. SEE SPECIFICATIONS AND DRAWING NOTES FOR RESPONSIBILITY FOR EACH ITEM.
8. PROVIDE GROUNDING AS SHOWN ON DRAWINGS AND IN COMPLIANCE WITH CODE AND ANSI/TIA/EIA 569-B.
9. DIVISION 26 SHALL FURNISH AND INSTALL SEISMIC RESTRAINT CABLE TO ALL SPEAKER BACK BOXES. DIVISION 27 SHALL ATTACH SEISMIC RESTRAINT CABLE TO SPEAKERS.

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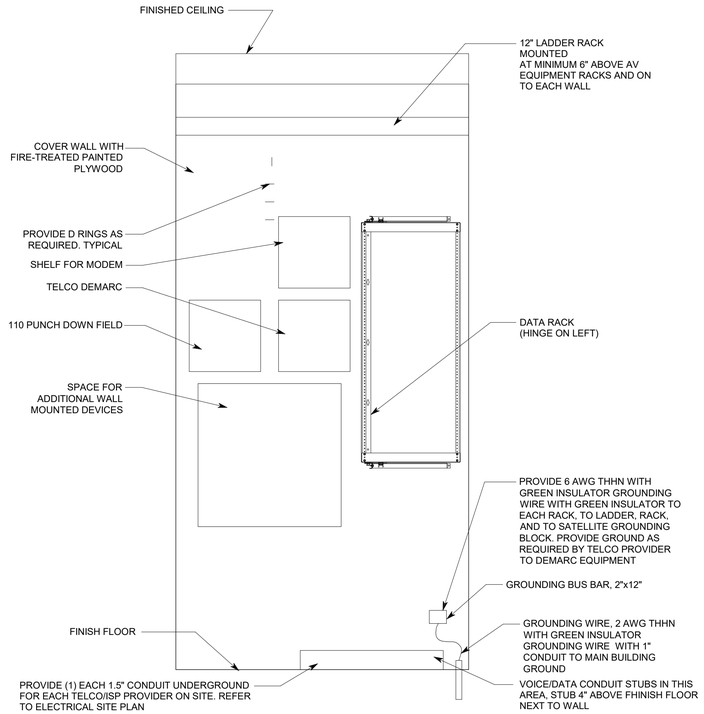
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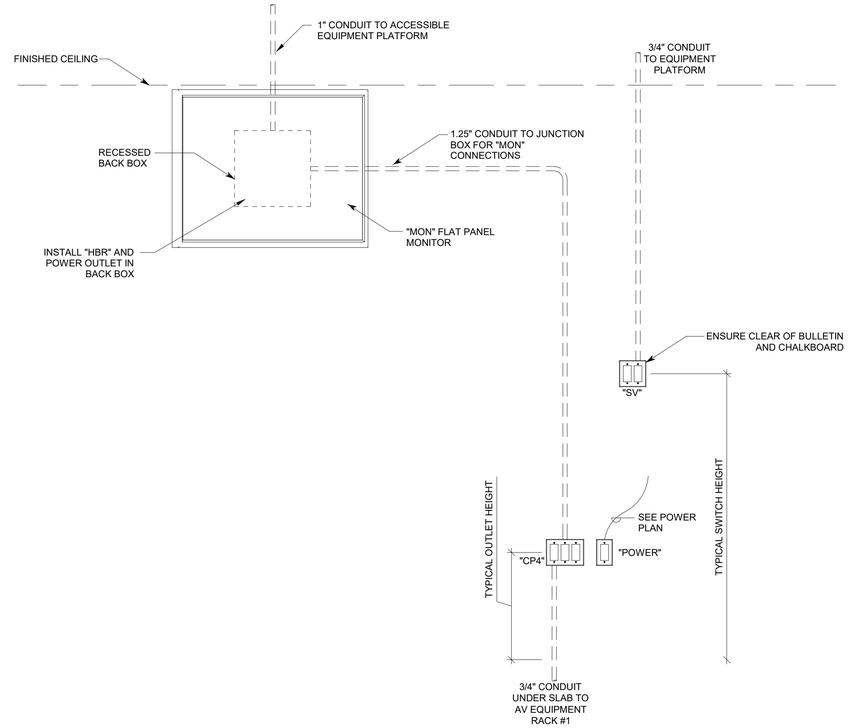
AV ROUGH-IN SCHEDULES, NOTES, DETAILS, AND DIAGRAM

ET601

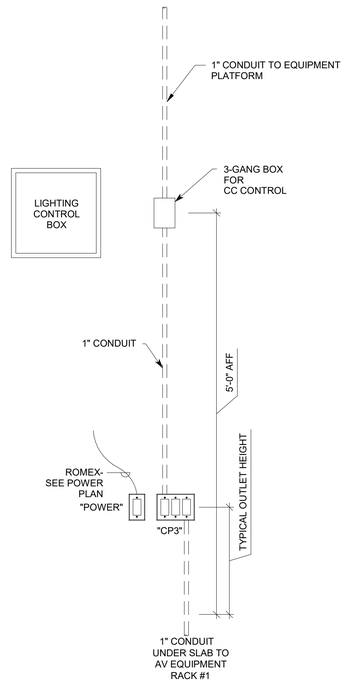
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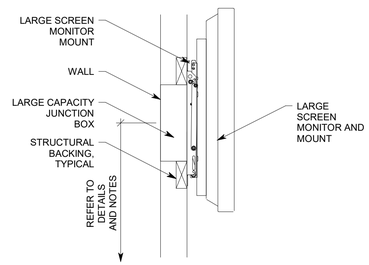
4 TECH 136 WALL ELEVATION
NO SCALE



2 RELIEF SOCIETY & CHILDREN'S MEETING ROOM WALL ELEVATION DETAIL
NO SCALE



5 CULTURAL CENTER CC AND CP3 MOUNTING DETAIL
NO SCALE



3 WALL MOUNTED FLAT PANEL DETAIL
NO SCALE

MON

1 NOT USED
NO SCALE

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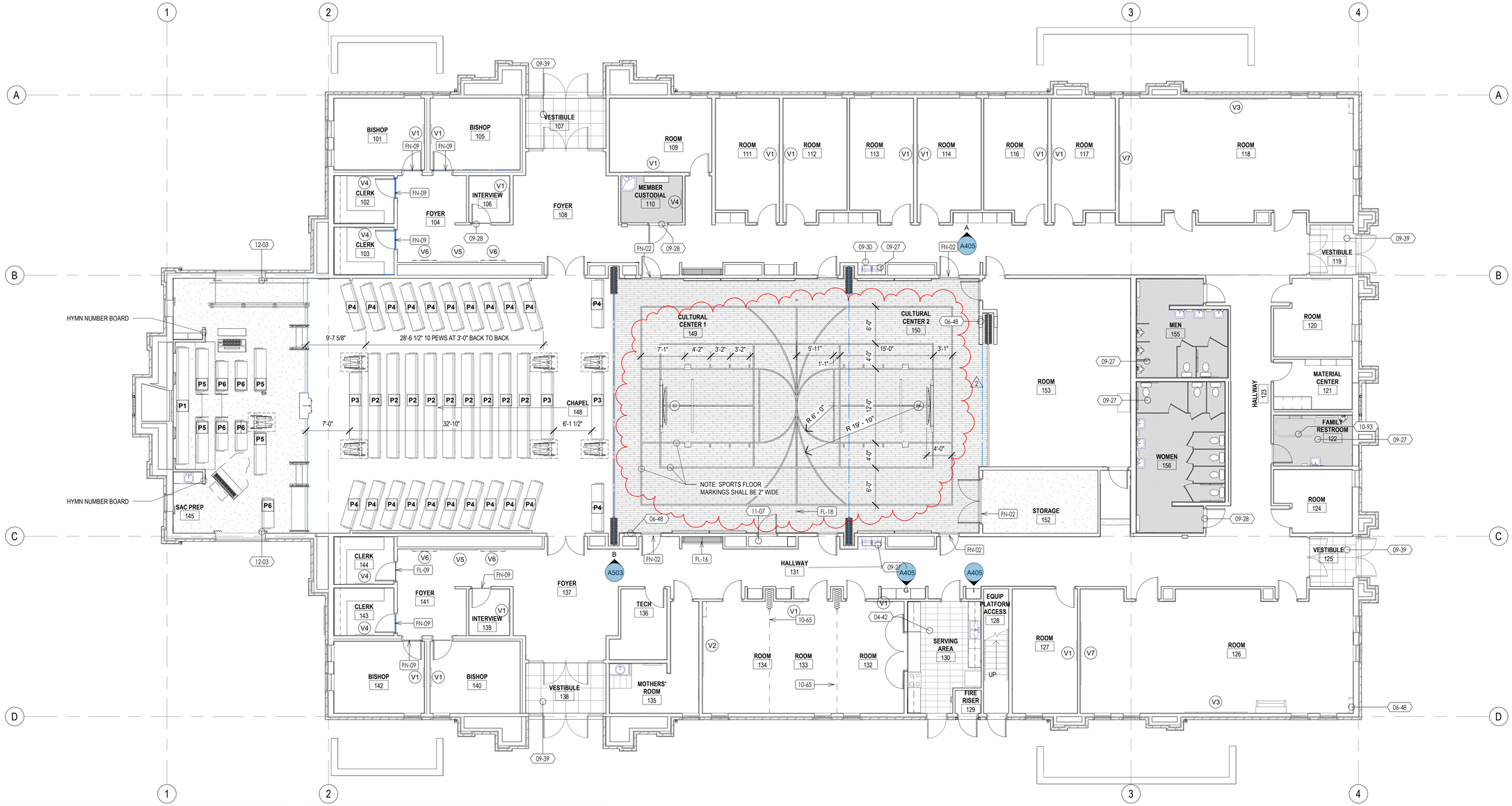
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1	15 Aug 2024	Bid Documents

AV ROUGH-IN DETAILS

ET602

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8/15/2024 7:42:54 AM



MAIN FLOOR FINISH PLAN
1/8" = 1'-0"
1 / F101

KEYNOTES

XX-XX — KEYNOTE MATERIAL

MATERIAL / SPECIFICATION KEYNOTES

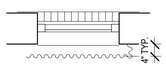
04-42	
06-48	WOOD VENEER FACED ARCHITECTURAL CABINETS, SEE DETAILS & SPECIFICATION
09-27	QUARRY FLOOR TILE, AS SELECTED. SEE FINISH SCHEDULE, DETAILS & SPECIFICATION
09-28	MARBLE THRESHOLDS, SEE DETAILS AND SPECIFICATION
09-30	TILE METAL EDGE STRIPS SEE DETAILS & SPECIFICATION
09-39	MODULAR CARPET TILE AS SELECTED, SEE FINISH SCHEDULE/ SPECIFICATION
10-65	FOLDING ACCORDION DOOR, SEE DETAILS & SPECIFICATION
10-93	POTENTIAL FUTURE ADULT CHANGING STATION NOT INSTALLED, PROVIDE STRUCTURAL BLOCKING AND POWER, SEE SPECIFICATION
11-07	VOLLEYBALL POST HOLE, SEE DETAILS & SPECIFICATIONS
12-03	DRAPERIES AS SELECTED, SEE DETAILS & SPECIFICATION

FP-XX — KEYNOTE INSTRUCTION

INSTRUCTIONAL KEYNOTES

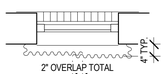
FL-09	FIRE EXTINGUISHER CABINETS (FEC), SEE SPECIFICATIONS. INSTALL IN ACCORDANCE WITH ALL ADA GUIDELINES. PROVIDE BLOCKING AS REQ'D. FOR INSTALLATION
FL-16	COAT RACK & SHELF, SEE DETAILS & SPECIFICATIONS
FL-18	VOLLEYBALL POST SLEEVE, SEE DETAILS
FN-02	DOOR THRESHOLD, WIDTH TO MATCH FULL DOOR FRAME
FN-09	SOUND CONTROL THRESHOLD, SEE DETAILS & SPECIFCATION

DRAPERY DIMENSIONS



SINGLE WINDOW TYPE "S"
NO SCALE

THE DIMENSIONS ARE FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE DRAPERY INSTALLATION CONTRACTOR TO PROVIDE FIELD MEASUREMENTS TO INSURE PROPER INSTALLATION.



SINGLE WINDOW TYPE "P"
NO SCALE

1. LENGTH = 4" BELOW WINDOW SILL TO 4" ABOVE WINDOW HEAD.
2. FULLNES = 2 1/2 TIMES THE WINDOW WIDTH
3. 4" DOUBLE HEMS AND HEADINGS
4. STACKOFF OF 1/3 THE WINDOW WIDTH.

DRAPERY SCHEDULE

LOCATION	NO. REQUIRED PAIR	NO. REQUIRED SINGLE	REMARKS
ROSTRUM 147	2	2	CASEMENT AND BLACKOUT

PEW SCHEDULE

MARK	NO. REQUIRED	PEW LENGTH	LINEAL FEET
P1	1	19'-0"	19'-0"
P2	10	17'-0"	170'-0"
P3	2	12'-0"	24'-0"
P4	22	7'-10"	172'-4"
P5	4	7'-0"	28'-0"
P6	5	5'-0"	25'-0"

TOTAL LINEAL FEET: 438'-4"

NOTE:
PEW LENGTH IS MEASURED FROM OUTSIDE OF ARMREST TO OUTSIDE OF ARMREST.
SPACE ALL PEWS 3'-0" FROM BACK TO BACK.

bhd ARCHITECTS
www.bhdarchitects.com
Phone 801.571.0010
Fax 801.571.0303
Toll Free 888.571.0010
65 East Wadsworth Park Drive
Suite 205 Draper, Utah 84020

LICENSED ARCHITECT
Lafe Theodore Harris
27 AUG 2024
6279878-0301
STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

BHD #: 2346
County Parcel: 39-228:0001
Plan Series: G300-MH-11
Owner #: 502-2004
Date: 15 Aug 2024

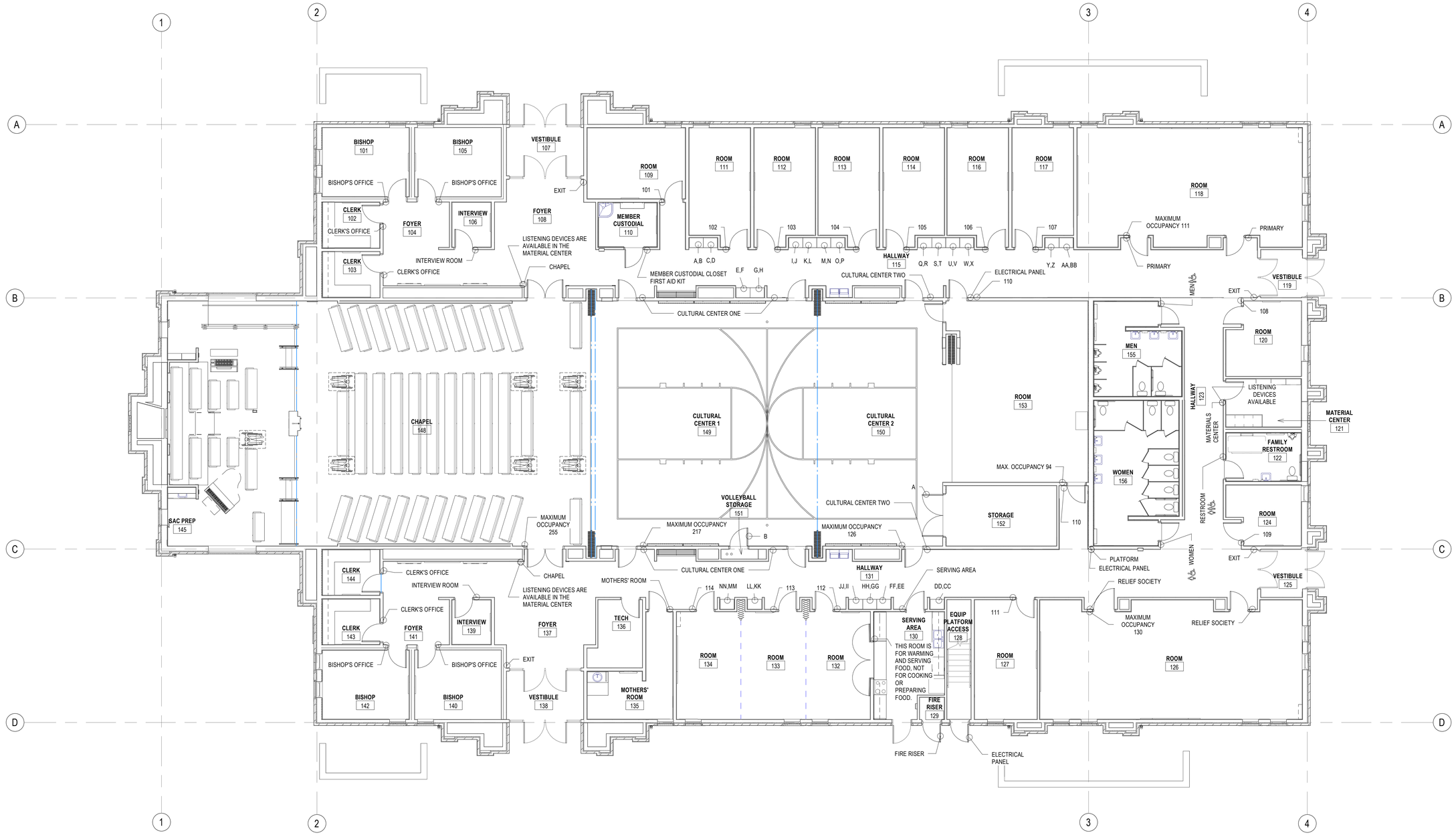
Drawing Issue and Revision Schedule

#	Date	Description
2	27 Aug 2024	Addendum #1
1	15 Aug 2024	Bid Documents

FURNISHINGS PLAN AND SCHEDULES

F101

8/29/2024 5:30:57 PM



MAIN FLOOR SIGNAGE LOCATION PLAN

1/8" = 1'-0"

1 / F102

8/15/2024 1:07:28 PM

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65 East Wadsworth Park Drive
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LICENSED ARCHITECT
Lafe Theadore Harris
15 AUG 2024
5578878-0301
STATE OF UTAH

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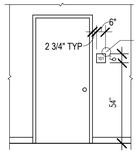
BHD #: 2346
County Parcel: 39-228-0001
Plan Series: G300-MH-11
Owner #: 502-2004
Date: 15 Aug 2024

Drawing Issue and Revision Schedule

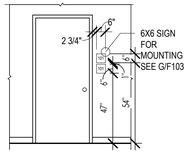
#	Date	Description

ROOM SIGNAGE LOCATION PLAN

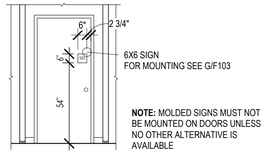
F102



MOLDED SIGN MOUNTING A F103
1/4" = 1'-0"

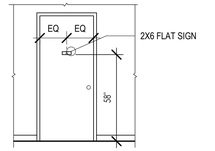


DOUBLE MOLDED SIGN MOUNTING B F103
1/4" = 1'-0"



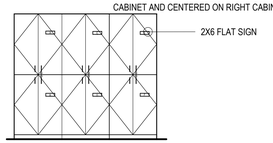
NOTE: MOLDED SIGNS MUST NOT BE MOUNTED ON DOORS UNLESS NO OTHER ALTERNATIVE IS AVAILABLE

MOLDED SIGN DOOR MOUNTING C F103
1/4" = 1'-0"



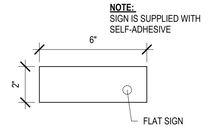
FLAT SIGN DOOR MOUNTING D F103
1/4" = 1'-0"

NOTE:
MOUNT SIGN TWO THIRDS UP FROM BOTTOM OF CABINET AND CENTERED ON RIGHT CABINET DOOR.

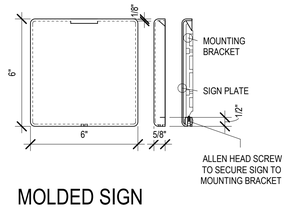


FLAT SIGN MOUNTING ON CABINET E F103
1/4" = 1'-0"

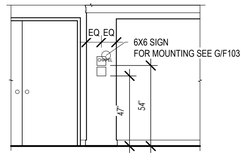
NOTE:
SIGN IS SUPPLIED WITH SELF-ADHESIVE



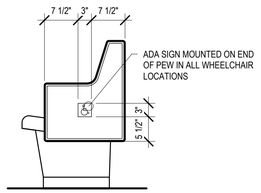
FLAT SIGN DETAIL F F103
3" = 1'-0"



MOLDED SIGN PLATE DETAIL G F103
3" = 1'-0"



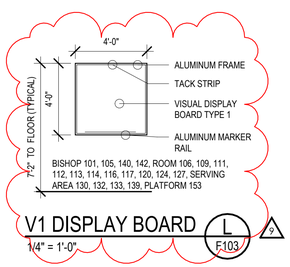
MOLDED SIGN MOUNTING LOCATION H F103
1/4" = 1'-0"



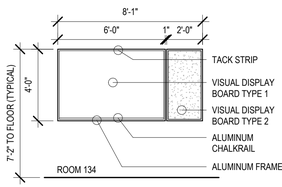
ADA SIGN MOUNTED ON PEW J F103
3/4" = 1'-0"

VISUAL DISPLAY BOARD NOTES

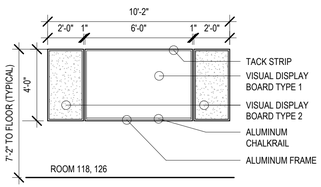
TYPE
TYPE 1 GLASSBOARD
TYPE 2 TACKBOARD
TYPE 3 DISPLAY CABINET



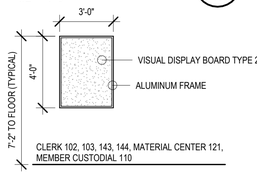
V1 DISPLAY BOARD L F103 (2)
1/4" = 1'-0"



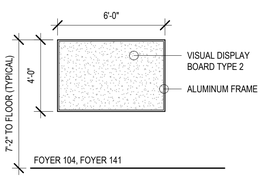
V2 DISPLAY BOARD M F103
1/4" = 1'-0"



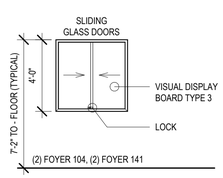
V3 DISPLAY BOARD N F103
1/4" = 1'-0"



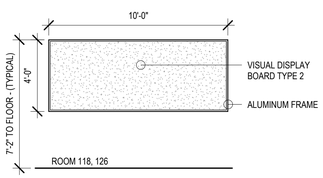
V4 DISPLAY BOARD P F103
1/4" = 1'-0"



V5 DISPLAY BOARD Q F103
1/4" = 1'-0"

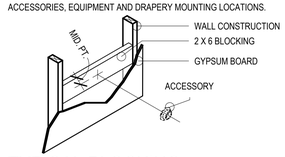


V6 DISPLAY BOARD R F103
1/4" = 1'-0"



V7 DISPLAY BOARD S F103
1/4" = 1'-0"

NOTE:
TYPICAL BLOCKING REQUIRED BEHIND WALL MOUNTED ACCESSORIES, EQUIPMENT AND DRAPERY MOUNTING LOCATIONS.



TYPICAL BLOCKING DETAIL K F103
1/2" = 1'-0"

FINISH SCHEDULE

ROOM NO.	NAME	FLOOR	BASE	WALL	CEILING	SPECIAL TRIM OR EQUIP.
101	BISHOP	F1	B1	W4	C1	S2 S21
102	CLERK	F1	B1	W4	C1 C7	S2 S3 S21
103	CLERK	F1	B1	W4	C3 C7	S2 S3 S21
104	FOYER	F1	B1	W4	C1 C2 C3 C4	S2
105	BISHOP	F1	B1	W4	C1	S2 S21
106	INTERVIEW	F1	B1	W4	C1	S2 S21
107	VESTIBULE	F6	B1	W5	C4	S21
108	FOYER	F1	B1	W4	C4	S1 S2
109	ROOM	F1	B1	W4	C9	S2 S21
110	MEMBER CUSTODIAL	F8	B2	W3 W5	C2	S13
111	ROOM	F1	B1	W4	C9	S2 S21
112	ROOM	F1	B1	W4	C9	S2 S21
113	ROOM	F1	B1	W4	C9	S2 S21
114	ROOM	F1	B1	W4	C9	S2 S21
115	HALLWAY	F1 F8	B1 B2	W3 W4	C1 C2 C3 C4 C7	S2 S3 S8 S10 S18
116	ROOM	F1	B1	W4	C9	S2 S21
117	ROOM	F1	B1	W4	C9	S2 S21
118	ROOM	F1	B1	W4	C1 C2	S1 S2 S14 S21
119	VESTIBULE	F6	B1	W5	C4	S21
120	ROOM	F1	B1	W4	C9	S2 S14
121	MATERIAL CENTER	F1	B1	W4	C1 C7	S2 S3 S21
122	FAMILY RESTROOM	F8	B2	W3 W5	C2	S15 S16 S17 S21
123	HALLWAY	F1	B1	W4	C3 C4	S2
124	ROOM	F1	B1	W4	C9	S2 S21
125	VESTIBULE	F6	B1	W5	C4	S21
126	ROOM	F1	B1	W4	C1 C2 C4	S1 S2 S14 S23
127	ROOM	F1	B1	W4	C9	S2 S21
128	EQUIP PLATFORM ACCESS	F4 F7	B3	W5		S12
129	FIRE RISER	F4	B3	W5	C2	
130	SERVING AREA	F8	B2	W5	C2 C7	S3 S11
131	HALLWAY	F1 F8	B1 B2	W3 W4	C1 C2 C3 C4 C7	S2 S3 S8 S10 S12 S18
132	ROOM	F1	B1	W4	C9	S2 S14 S21
133	ROOM	F1	B1	W4	C9	S2 S21
134	ROOM	F1	B1	W4	C9	S2 S21
135	MOTHERS' ROOM	F1 F8	B1 B2	W3 W4	C9	S2 S16 S20 S21
136	TECH	F1	B3	W5 W7	C2	S5 S6
137	FOYER	F1	B1	W4	C4	S1 S2
138	VESTIBULE	F6	B1	W5	C4	S21
139	INTERVIEW	F1	B1	W4	C1	S2 S21
140	BISHOP	F1	B1	W4	C1	S2 S21
141	FOYER	F1	B1	W4	C1 C2 C3 C4	S2
142	BISHOP	F1	B1	W4	C1	S2 S21
143	CLERK	F1	B1	(2) W4	C1 C7	S2 S3 S21
144	CLERK	F1	B1	W4	C3 C7	S2 S3 S21
145	SAC PREP	F1	B1	W5	C4	S1 S3
146	ORGAN SPEAKER CHAMBER	F5	B4	W5	C4	S22
147	ROSTRUM	F1	B1	W5	C4	S1 S12
147	ROSTRUM		(2)			
148	CHAPEL	F1	B1	W5	C4 C9	S1
149	CULTURAL CENTER 1	F2	B5	W1 W5	C3 C4 C9	S1 S4 S14
150	CULTURAL CENTER 2	F2	B5	(2) W1 W5	C3 C4	S1 S4 S14
151	VOLLEYBALL STORAGE	F1	B3	W8	C4	S19
152	STORAGE	F1	B3	W8	C4	
153	ROOM	F1	B1	W4	C1 C4	S2 S12 S14
154	RAMP	F1	B1	W4	C1	S2 S12
155	MEN	F3	B2	W3 W5	C4	S16 S17 S20 S21
156	WOMEN	F3	B2	W3 W5	C4	S16 S17 S20 S21
159	Custodial					
201	EQUIPMENT PLATFORM	F5	B4	W6		S11

FINISH SCHEDULE LEGEND

F FLOOR
F1 CARPET
F2 WOOD FLOOR SYSTEM
F3 PAVER TILE
F4 CONCRETE, PAINTED
F5 3/4" SHEATHING, PAINTED
F6 CARPET TILE
F7 STAIR TREADS AND RISERS, RUBBER
F8 PAVER TILE THIN SET

B BASE
B1 CARPET
B2 PAVER TILE, COVED
B3 4" RUBBER
B4 NONE
B5 METAL ANGLE

W WALLS
W1 WALL COVERING"A" (SISAL)
W2 *OMITTED*
W3 CERAMIC TILE, SEE INTERIOR ELEVATIONS
W4 WALL COVERING "A" (SISAL) WAINSCOT WITH PAINTED GYPSUM BOARD ABOVE.
W5 GYPSUM BOARD, PAINTED.
W6 GYPSUM BOARD, TAPED
W7 7/16" WOOD SHEATHING, PAINTED
W8 WALL COVERING"A" (SISAL) ON 7/16" WOOD SHEATHING - FULL HEIGHT

C CEILING
C1 CEILING SUSPENSION SYSTEM WITH GYPSUM BOARD AND ACOUSTICAL TILE
C2 CEILING SUSPENSION SYSTEM WITH GYPSUM BOARD - PAINTED
C3 ACOUSTICAL TILE ON GYPSUM BOARD
C4 GYPSUM BOARD - PAINTED
C5 METAL SOFFIT - SEE A/A122
C6 CONTINUOUS VENT STRIP
C7 WOOD FURRED DOWN OVER CABINETS - SEE A/A407
C8 EXTERIOR STUCCO SYSTEM SOFFIT
C9 2'x2' SUSPENDED ACOUSTICAL TILE GRID

S SPECIAL TRIM OR EQUIPMENT
S1 WOOD TRIM
S2 CHAIR RAIL
S3 CABINETS
S4 DECORATION ANCHORS
S5 TELEPHONE BOARD
S6 SOUND MAIN EQUIPMENT CABINET, SEE SOUND DRAWINGS
S7 SOUND CONTROL PANEL. SEE SOUND DRAWINGS
S8 ELECTRIC WATER COOLER
S9 ELECTRIC PANEL
S10 FIRE EXTINGUISHER CABINET
S11 WALL MOUNTED FIRE EXTINGUISHER
S12 HANDRAIL
S13 CUSTODIAL UTILITY SHELF
S14 HYMN BOOK STORAGE
S15 FUTURE ADULT CHANGING STATION - INSTALL BACKING AND POWER
S16 BABY CHANGING STATION
S17 UTILITY SHELF (STAINLESS STEEL)
S18 COAT RACK
S19 ADJUSTABLE SHELVES
S20 24" X 60" MIRROR, WALL HUNG
S21 INSULATION TYPE "A" ABOVE CEILING
S22 PAINT BLACK
S23 WALL OR CEILING MOUNTED TV

SEE SPECIFICATIONS FOR WALL FINISH TEXTURES

BUILDING SIGNAGE SCHEDULE

SIGNAGE ROOM NAME OR NUMBER	QUANTITY	SIZE	MOUNTING	PLAN ROOM #	NOTES
101	1	6" X 6"	A/F103	109	
102	1	6" X 6"	A/F103	111	
103	1	6" X 6"	A/F103	112	
104	1	6" X 6"	A/F103	113	
105	1	6" X 6"	A/F103	114	
106	1	6" X 6"	A/F103	116	
107	1	6" X 6"	A/F103	117	
108	1	6" X 6"	A/F103	120	
109	1	6" X 6"	A/F103	124	
110	1	6" X 6"	A/F103	127	
111	1	6" X 6"	A/F103	132	
112	1	6" X 6"	A/F103	133	
113	1	6" X 6"	A/F103	134	
A (FLAT SIGN ONLY)	1	6" X 2"	D/F103	152	
B (FLAT SIGN ONLY)	1	6" X 2"	D/F103	151	
A THRU H (FLAT SIGN ONLY)	2 EACH	6" X 2"	E/F103	115, 131	
I THRU X (FLAT SIGN ONLY)	1 EACH	6" X 2"	E/F103	115	
AA THRU DD (FLAT SIGN ONLY)	1 EACH	6" X 6"	E/F103	115	
MAXIMUM OCCUPANCY 255	1	6" X 6"	A/F103	148	
MAXIMUM OCCUPANCY 217	1	6" X 6"	A/F103	149	
MAXIMUM OCCUPANCY 130	1	6" X 6"	A/F103	126	
MAXIMUM OCCUPANCY 126	1	6" X 6"	A/F103	150	
MAXIMUM OCCUPANCY 111	1	6" X 6"	A/F103	118	
MAXIMUM OCCUPANCY 94	1	6" X 6"	A/F103	153	
BISHOP'S OFFICE - WARD NAME	4	6" X 6"	A/F103	101, 105, 140, 142	SPECIFY WARD
CHAPEL	2	6" X 6"	A/F103	148	
CLERK'S OFFICE	4	6" X 6"	A/F103	102, 103, 143, 144	
CULTURAL CENTER ONE	4	6" X 6"	A/F103	149	
CULTURAL CENTER TWO	2	6" X 6"	A/F103	150	
ELECTRICAL PANEL	2	6" X 6"	A/F103	153, 154	
ELECTRICAL PANEL (FLAT SIGN)	1	6" X 6"	D/F103	128	EXTERIOR
EXIT (TACTILE, BRAILLE)	4	6" X 6"	A/F103	108, 115, 131, 137	
FIRE RISER (FLAT SIGN)	1	6" X 6"	D/F103	129	EXTERIOR
INTERVIEW ROOM	2	6" X 6"	A/F103	106, 139	
MATERIALS CENTER	1	6" X 6"	A/F103	121	
MEMBER CUSTODIAL CLOSET FIRST AID KIT	1	6" X 6"	A/F103	110	
MEN	1	6" X 6"	B/F103	155	
MOTHER'S ROOM	1	6" X 6"	A/F103	135	
PLATFORM	1	6" X 6"	A/F103	131	
PLATFORM	1	6" X 6"	A/F103	115	
PRIMARY ROOM	2	6" X 6"	A/F103	118	
RAMP ←	1	6" X 6"	A/F103	153	ARROW LEFT
RELIEF SOCIETY	2	6" X 6"	A/F103	126	
RESTROOM	1	6" X 6"	A/F103	122	
RESTROOM ←	1	6" X 6"	B/F103	123	ARROW LEFT
RESTROOM →	1	6" X 6"	B/F103	123	ARROW RIGHT
SERVING AREA	1	6" X 6"	A/F103	130	
WOMEN	1	6" X 6"	B/F103	156	
LISTENING DEVICES AVAILABLE IN THE MATERIALS CENTER	2	6" X 6"	MOUNT BELOW THE "CHAPEL" SIGN. SEE B/F103	148	
LISTENING DEVICES AVAILABLE	1	6" X 6"	MOUNT BELOW THE MATERIALS" CENTER" SIGN. SEE B/F103	121	
PEW MOUNTED ADA SIGN	9	3" X 3"	K/F103.	147, 148	
THIS ROOM IS FOR WARMING AND SERVING FOOD, NOT FOR COOKING OR PREPARING FOOD.	1	6" X 6"	MOUNT ABOVE BACKSPLASH ON WALL TO THE RIGHT OF THE RANGE	130	

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LICENSED ARCHITECT Lafe Theodore Harris Dec 2023 6862679-0301 STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake
785 East 575 South
Vineyard, Utah 84059

Owner #: 502-2004
Plan Series: G300-MH-11
County Parcel: 39-228:0001
BHD #: 2346
Date: 15 Aug 2024

Drawing Issue and Revision Schedule

#	Date	Description
9	22 Dec 2025	ASI #2
2	27 Aug 2024	Addendum #1
1	15 Aug 2024	Bid Documents

ROOM SIGNAGE & FINISH SCHEDULE AND DETAILS

F103

12/23/2025 4:15:05 PM

FIRE DETECTION SYMBOLS

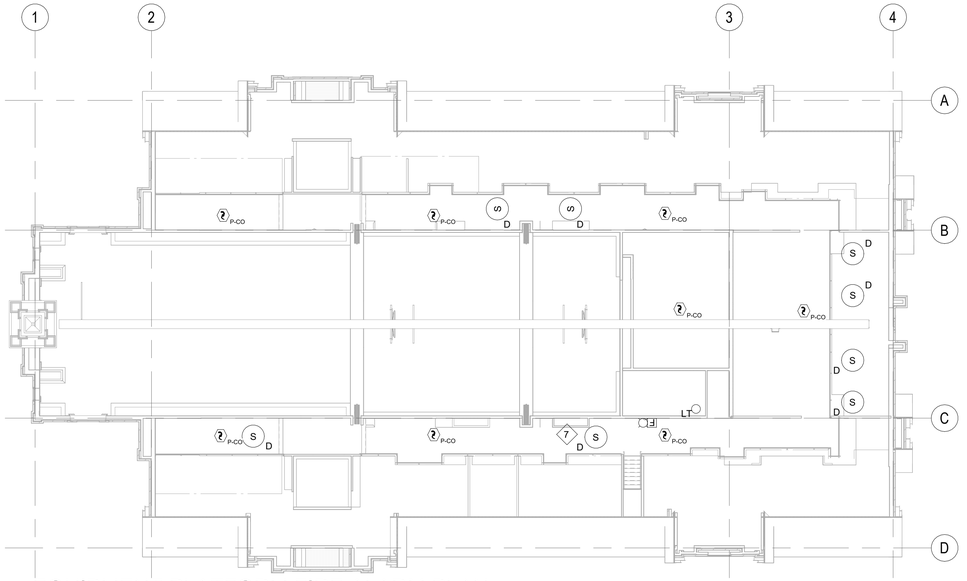
FACP	FIRE ALARM CONTROL PANEL
F	MANUAL STATION
H	HEAT DETECTOR
S	SMOKE DETECTOR
S D	DUCT SMOKE DETECTOR (BY DIV 23). (COORDINATE CONNECTIONS WITH THE MECHANICAL CONTRACTOR)
F	SPEAKER/STROBE WITH 15cd STROBE (HIGHER OUTPUT STROBES AS NOTED ON DRAWINGS)
	AUDIBLE VOICE ALARM ANNUNCIATION: ALARM SIGNAL SHALL BE ANNUNCIATED BY AUDIBLE VOICE EVACUATION MESSAGE. MESSAGE SHALL BE DIGITALLY RECORDED WITH MESSAGE CONTENT MEETING REQUIREMENTS OF THE NFPA AND LOCAL AUTHORITY. MESSAGE SHALL BE FIELD PROGRAMMABLE AND RETAINED IN MEMORY IF POWER IS INTERRUPTED.
	SPEAKER ONLY
EOL	END OF LINE WIRING DEVICE
FS	WATER FLOW SWITCH
TS	VALVE TAMPER SWITCH
LT	LOW TEMPERATURE SENSOR
WP	DEVICE DESIGNED FOR OUTDOOR USE
PIV	POST INDICATOR VALVE (COORDINATE LOCATION WITH FIRE SPRINKLER CONTRACTOR)
P, CO	ADDRESSABLE COMBINATION PHOTOELECTRIC/ CARBON MONOXIDE DETECTOR

FIRE ALARM RISER NOTES

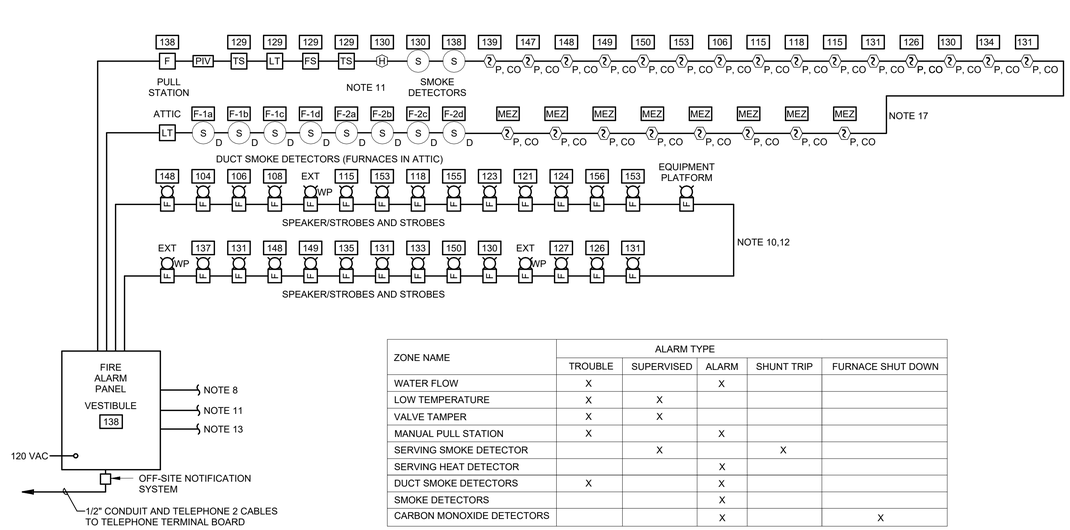
1. WIRING FROM DIFFERENT ANNUNCIATION AND INITIATING DEVICES LOOPS MAY BE COMBINED IN A COMMON CONDUIT. FOLLOW NEC REQUIREMENTS FOR FILL.
2. COORDINATE FIRE ALARM DEVICES WITH LIGHTING FIXTURES, SPEAKERS, GRILLS, ETC.
3. DO NOT INSTALL SMOKE DETECTORS WITHIN 3' OF ANY MECHANICAL GRILL.
4. NON-POWER LIMITED AND POWER LIMITED WIRING SHALL BE SEPARATED IN FACP.
5. PERMANENTLY IDENTIFY LOCATION OF CIRCUIT BREAKER FEEDING FACP AND PROVIDE RED MARKING ON CIRCUIT BREAKER.
6. PROVIDE PROTECTIVE WIRE GUARD ON DEVICES NOTED.
7. SEE L/FS501 FOR LOCATIONS OF DEVICES.
8. PROVIDE CONNECTION FOR FIRE SPRINKLER SYSTEM EXTERNAL BELL/HORN STROBE. SEE L/FS501.
9. PROVIDE FLUSH MOUNT STI LEXAN COVER.
10. ALL STROBES SHALL BE SYNCHRONIZED PER ALL ADA REQUIREMENTS.
11. FURNACES AS SHOWN ON DRAWINGS SHALL SHUTDOWN UPON GENERAL ALARM. PROVIDE ALL REQUIRED CONNECTIONS NECESSARY FOR SHUTDOWN. COORDINATE ALL WORK AND CONTROL CONNECTIONS WITH THE MECHANICAL CONTRACTOR.
12. INTELLIGIBLY CALCULATIONS FOR THIS PLAN ARE BASED ON SYSTEM SENSOR #SPV SPEAKERS. SUCCESSFUL FIRE ALARM SYSTEM SUPPLIER SHALL SHOW ON INSTALLATION DRAWING COMPLIANCE CALCULATIONS PER ALL NFPA REQUIREMENTS.
13. TO A/V SYSTEM. A/V SYSTEM SHALL MUTE UPON ALARM. COORDINATE ALL WORK AND REQUIREMENTS WITH THE A/V SYSTEM INSTALLER.
14. ALL FIRE ALARM CABLE THAT IS SUBJECT TO DAMAGE SHALL BE INSTALLED IN CONDUIT (ATTIC, EQUIPMENT PLATFORM, ABOVE SUSPENDED CEILINGS, ETC).
15. WHERE FIRE ALARM IS NOT RUN IN CONDUIT (SEE NOTE #14), CABLING SHALL BE RUN PERPENDICULAR AND PARALLEL TO SURFACES OF STRUCTURAL MEMBERS, AND FOLLOW SURFACE CONTOURS WHERE POSSIBLE.
16. DO NOT CONNECT, MOUNT OR SUPPORT ANY FIRE ALARM CABLING FROM DATA/COMM MOUNTING OR WIRE MANAGEMENT.
17. CARBON MONOXIDE ALARM SHALL NOTIFY THE OCCUPANTS TO EVACUATE THE BUILDING WITH A DISTINCT MESSAGE FROM THE GENERAL FIRE ALARM.

KEYED NOTES

1. SEE L/FS501 FOR LOCATIONS OF DEVICES.
2. PERMANENTLY IDENTIFY LOCATION OF CIRCUIT BREAKER FEEDING FACP AND PROVIDE RED MARKING ON CIRCUIT BREAKER.
3. NON-POWER LIMITED AND POWER LIMITED WIRING SHALL BE SEPARATED IN FACP.
4. PROVIDE PROTECTIVE WIRE GUARD ON DEVICES NOTED.
5. PROVIDE CONNECTION FOR FIRE SPRINKLER SYSTEM EXTERNAL BELL/HORN STROBE. SEE H/FS501.
6. PROVIDE OUTPUT FROM FIRE ALARM PANEL TO CONTROL SHUNT TRIP BREAKER SERVING RANGE(S). IF SMOKE DETECTOR IN BREAK ROOM GOES INTO ALARM, THE CIRCUIT BREAKER(S) SERVING THE RANGE(S) SHALL SHUNT TRIP.
7. WHERE DUCT SMOKE DETECTORS ARE SHOWN IN MEZZANINE PROVIDE FAN SHUTDOWN FROM FIRE PANEL TO FURNACES.



2 EQUIPMENT PLATFORM FIRE ALARM PLAN
1/16" = 1'-0"

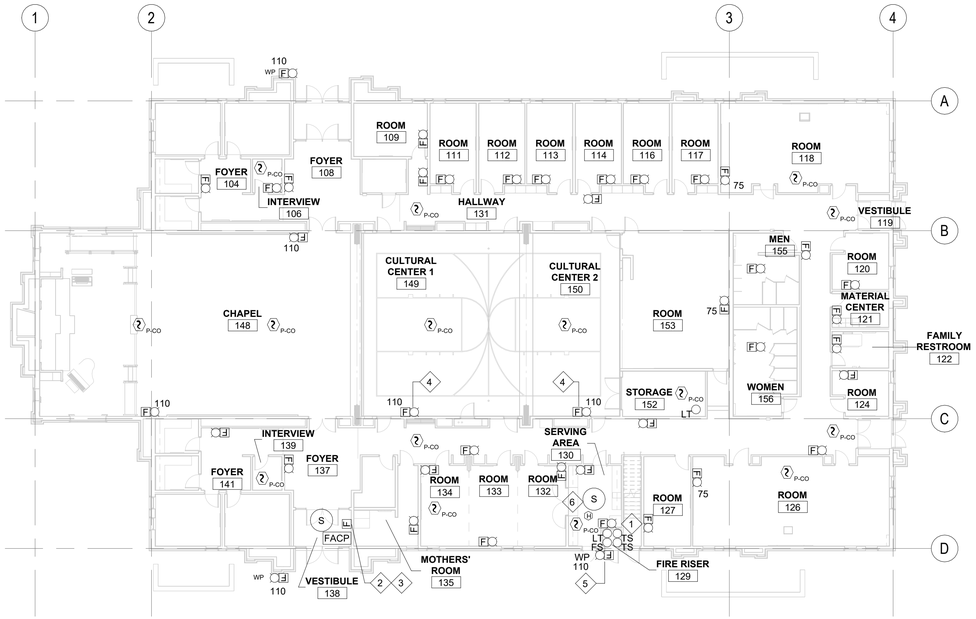


ZONE NAME	ALARM TYPE				
	TROUBLE	SUPERVISED	ALARM	SHUNT TRIP	FURNACE SHUT DOWN
WATER FLOW	X		X		
LOW TEMPERATURE	X	X			
VALVE TAMPER	X	X			
MANUAL PULL STATION	X		X		
SERVING SMOKE DETECTOR		X		X	
SERVING HEAT DETECTOR			X		
DUCT SMOKE DETECTORS	X		X		
SMOKE DETECTORS			X		
CARBON MONOXIDE DETECTORS			X		X

NOTES TO ELECTRICAL ENGINEER (ERASE BEFORE BIDDING)

1. THIS DESIGN DOES NOT MEET THE REQUIREMENTS OF ANY SPECIFIC MUNICIPALITY. VERIFY REQUIREMENTS OF AUTHORITY HAVING JURISTICTION (AHJ). DO NOT ALTER THIS DESIGN IF IT IS SATISFACTORY TO THE AHJ.
2. SEE SPECIFICATIONS FOR MORE INFORMATION ON OFF-SITE MONITORING REQUIREMENTS.

3 FA RISER DIAGRAM
NOT TO SCALE



1 MAIN FLOOR FIRE ALARM PLAN
1/16" = 1'-0"

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THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
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Approx. 342 South Geneva Road
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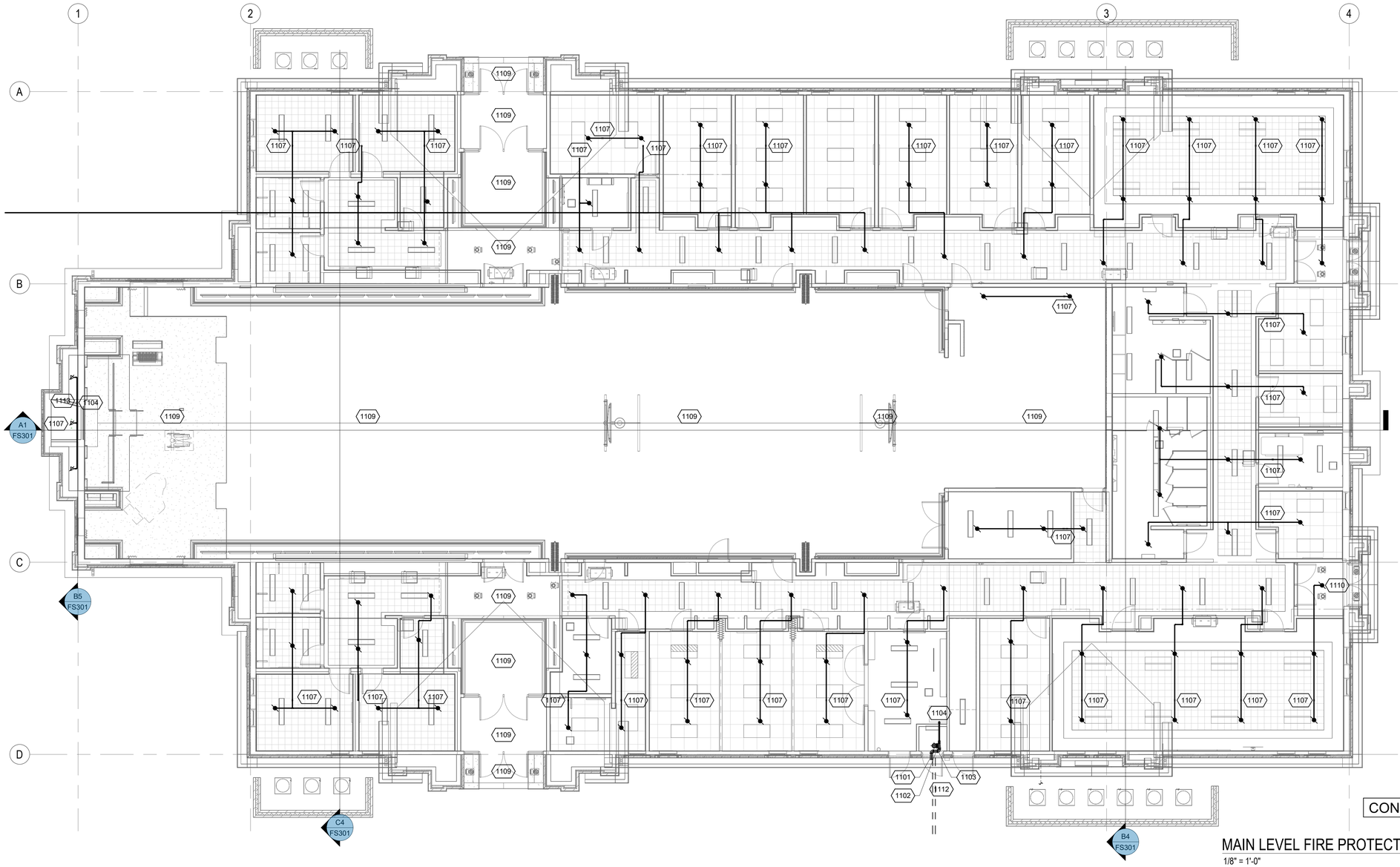
Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

FIRE ALARM PLANS

FA101

Autodesk Docs://240510 - Orem Vineyard Springwater Granger 300 Meetinghouse/240510-Elec Central.rvt
8/15/2024 11:48:35 AM



CONCEPTUAL LAYOUT

MAIN LEVEL FIRE PROTECTION PLAN

1/8" = 1'-0"

02 FS101

FIRE SPRINKLER LEGEND

	UPRIGHT HEAD ON LINE		PRESSURE GAUGE
	CONCEALED PENDENT HEAD	LT	LOW TEMPERATURE SENSOR PROVIDED BY DIVISION 28
	CONCEALED DRY PENDENT HEAD	TS	VALVE TAMPER SWITCH
	SIDE DSICHARGE ATTIC HEAD	FS	FLOW SWITCH
	DRY SIDEWALL HEAD RECESSED		FLEXIBLE COUPLING
	DRY SIDEWALL HEAD		SWAY BRACING
	SIDEWALL HEAD RECESSED		ANGLE VALVE
	SIDEWALL HEAD		PIPE SUPPORT
	TYCO MODEL AP ATTIC UPRIGHT HEAD		SPRINKLER PIPING
IT	INSPECTOR'S TEST VALVE		FIRE DEP. CONNECTION
	BALL VALVE 2" & SMALLER BUTTERFLY VALVE 2 1/2" & LARGER		PIPE IN FLOOR STRUCTURE
	PIPE UP / PIPE DOWN		

GENERAL NOTES

1 INSTALL FIRE PROTECTION PIPING AS SHOWN, WET-PIPE SYSTEM THROUGHOUT ALL AREAS OF THE BUILDING.

2 USE DRY-BARREL TYPE SPRINKLERS IN CANOPIES AND VESTIBULES WHEN SUPPLIED FROM WET SYSTEM.

3 OBTAIN APPROVAL FOR PIPING CHANGES FROM ARCHITECT AND ENGINEER.

4 RUN PIPING LEVEL OR SLOPED TO DRAIN AS DESIGNATED IN NFPA 13.

5 THE FIRE SPRINKLER SYSTEM SHALL BE DESIGNED PER THE REQUIREMENTS OF NFPA 13, LIGHT HAZARD FOR THE MAIN LEVEL AND ATTIC WITH THE EXCEPTION OF THE SERVING AREA, MECHANICAL, ELECTRICAL AND JANITOR AREAS WHICH SHALL BE DESIGNED AS ORDINARY HAZARD GROUP 1, AND THE PLATFORM THAT WILL BE DESIGNED AS ORDINARY HAZARD GROUP 2.

6 SPRINKLER HEAD SPACING:

6.1 LIGHT HAZARD: 225 SQ. FT.

6.2 ORDINARY HAZARD: 130 SQ. FT.

6.3 ATTIC: 130 SQ. FT. PER HEAD.

7 SEE SITE PLAN FOR UTILITY CONNECTION AND LOCATION OF FIRE HYDRANTS AND POST INDICATING VALVE, IF REQUIRED BY THE AUTHORITY HAVING JURISDICTION.

8 DO NOT ROUTE PIPING THRU STRUCTURAL MEMBERS OR MECHANICAL DUCT WORK EXCEPT AS SHOWN ON THE DRAWINGS.

9 SEE REFLECTED CEILING PLAN FOR EXACT LOCATION OF SPRINKLER HEADS. SPRINKLER HEADS DO NOT HAVE TO BE CENTERED IN THE ONE FOOT ACOUSTICAL TILES.

10 COORDINATE WITH FRAMER FOR SHEAR-WALL PENETRATIONS.

11 ALL SPRINKLERS SHALL BE QUICK-RESPONSE TYPE.

12 ALL WET-PIPE SYSTEM COMPONENTS (EXCEPT DRY SPRINKLERS) SHALL BE INSIDE THE BUILDING INSULATION ENVELOPE.

13 ALL REQUIRED DRAINS SHALL FOLLOW NFPA 13 REQUIREMENTS. DRAIN VALVES SHALL BE LOCATED TO PREVENT PUBLIC ACCESS AND SHALL BE PIPED TO DISCHARGE OUTSIDE THE BUILDING.

14 PROVIDE FIRE SPRINKLERS UNDER CANOPIES, STAIRS, AND ROSTRUM ONLY IF REQUIRED BY THE LOCAL FIRE MARSHAL. SPRINKLERS ARE NOT REQUIRED WITHIN CANOPIES THAT ARE FILLED WITH NON-COMBUSTIBLE INSULATION.

SHEET KEYNOTES

1101 UNDERGROUND SUPPLY MAIN. SEE SITE PLAN FOR CONTINUATION.

1102 LOW TEMPERATURE SENSOR IN RISER ROOM. SEE SHEET FA101.

1103 WET PIPE RISER. SEE SHEET FS501.

1104 RISE PIPE UP TO EQUIPMENT PLATFORM PIPING.

1107 SPRINKLERS FEED FROM EQUIPMENT LEVEL PIPING.

1109 SPRINKLERS IN THIS AREA ARE SHOWN ON EQUIPMENT LEVEL.

1110 USE VISTAULIC VICFLEX VS1 OR APPROVED EQUAL IN FREEZING LOCATIONS.

1112 FIRE DEPARTMENT CONNECTION WITH LOCAL FIRE WATER FLOW ALARM (ELECTRIC HORN/STROBE). SEE FA101 FOR WIRING.

1113 SPRINKLERS AT TOP OF ORGAN CHAMBER AND AT MID-POINT OF CHAMBER TYP. OF THREE CHAMBERS. REFER TO ORGAN CHAMBER SECTION SHEET FS301 DETAIL B5.

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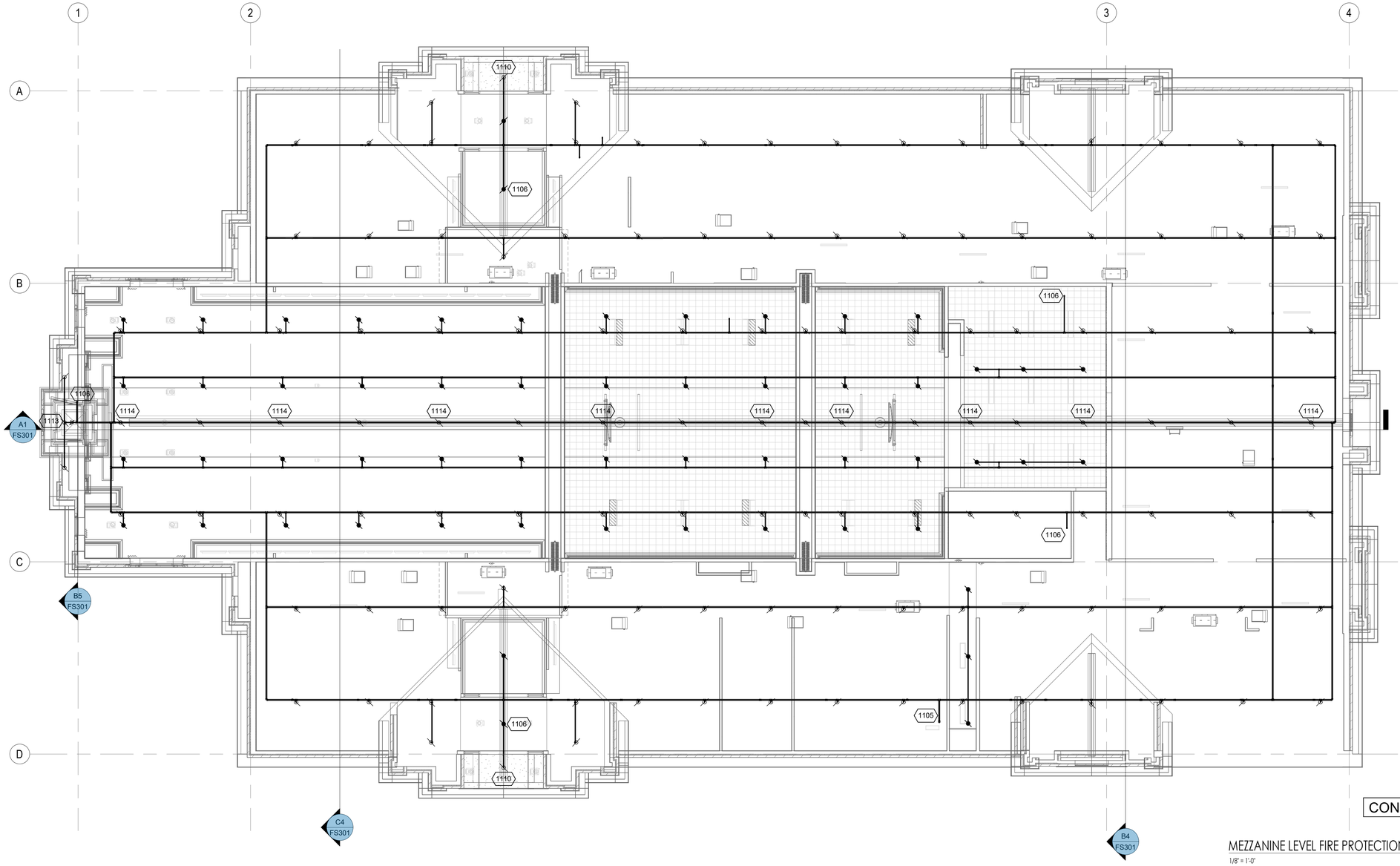
Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

MAIN FLOOR FIRE SPRINKLER PLAN

FS101

8/13/2024 10:10:41 AM



CONCEPTUAL LAYOUT

MEZZANINE LEVEL FIRE PROTECTION PLAN 02 FS102

1/8" = 1'-0"

FIRE SPRINKLER LEGEND

	UPRIGHT HEAD ON LINE		PRESSURE GAUGE
	CONCEALED PENDENT HEAD	LT	LOW TEMPERATURE SENSOR PROVIDED BY DIVISION 28
	CONCEALED DRY PENDENT HEAD	TS	VALVE TAMPER SWITCH
	SIDE DSICHARGE ATTIC HEAD	FS	FLOW SWITCH
	DRY SIDEWALL HEAD RECESSED		FLEXIBLE COUPLING
	DRY SIDEWALL HEAD		SWAY BRACING
	SIDEWALL HEAD RECESSED		ANGLE VALVE
	SIDEWALL HEAD		PIPE SUPPORT
	TYCO MODEL AP ATTIC UPRIGHT HEAD		SPRINKLER PIPING
IT	INSPECTOR'S TEST VALVE		FIRE DEP. CONNECTION
	BALL VALVE 2" & SMALLER BUTTERFLY VALVE 2 1/2" & LARGER		PIPE IN FLOOR STRUCTURE
	PIPE UP / PIPE DOWN		

GENERAL NOTES

1 INSTALL FIRE PROTECTION PIPING AS SHOWN, WET-PIPE SYSTEM THROUGHOUT ALL AREAS OF THE BUILDING.

2 USE DRY-BARREL TYPE SPRINKLERS IN CANOPIES AND VESTIBULES WHEN SUPPLIED FROM WET SYSTEM.

3 OBTAIN APPROVAL FOR PIPING CHANGES FROM ARCHITECT AND ENGINEER.

4 RUN PIPING LEVEL OR SLOPED TO DRAIN AS DESIGNATED IN NFPA 13.

5 THE FIRE SPRINKLER SYSTEM SHALL BE DESIGNED PER THE REQUIREMENTS OF NFPA 13, LIGHT HAZARD FOR THE MAIN LEVEL AND ATTIC WITH THE EXCEPTION OF THE SERVING AREA, MECHANICAL, ELECTRICAL AND JANITOR AREAS WHICH SHALL BE DESIGNED AS ORDINARY HAZARD GROUP 1, AND THE PLATFORM THAT WILL BE DESIGNED AS ORDINARY HAZARD GROUP 2.

6 SPRINKLER HEAD SPACING:

6.1 LIGHT HAZARD: 225 SQ. FT.

6.2 ORDINARY HAZARD: 130 SQ. FT.

6.3 ATTIC: 130 SQ. FT. PER HEAD.

7 SEE SITE PLAN FOR UTILITY CONNECTION AND LOCATION OF FIRE HYDRANTS AND POST INDICATING VALVE, IF REQUIRED BY THE AUTHORITY HAVING JURISDICTION.

8 DO NOT ROUTE PIPING THRU STRUCTURAL MEMBERS OR MECHANICAL DUCT WORK EXCEPT AS SHOWN ON THE DRAWINGS.

9 SEE REFLECTED CEILING PLAN FOR EXACT LOCATION OF SPRINKLER HEADS. SPRINKLER HEADS DO NOT HAVE TO BE CENTERED IN THE ONE FOOT ACOUSTICAL TILES.

10 COORDINATE WITH FRAMER FOR SHEAR-WALL PENETRATIONS.

11 ALL SPRINKLERS SHALL BE QUICK-RESPONSE TYPE.

12 ALL WET-PIPE SYSTEM COMPONENTS (EXCEPT DRY SPRINKLERS) SHALL BE INSIDE THE BUILDING INSULATION ENVELOPE.

13 ALL REQUIRED DRAINS SHALL FOLLOW NFPA 13 REQUIREMENTS. DRAIN VALVES SHALL BE LOCATED TO PREVENT PUBLIC ACCESS AND SHALL BE PIPED TO DISCHARGE OUTSIDE THE BUILDING.

14 PROVIDE FIRE SPRINKLERS UNDER CANOPIES, STAIRS, AND ROSTRUM ONLY IF REQUIRED BY THE LOCAL FIRE MARSHAL. SPRINKLERS ARE NOT REQUIRED WITHIN CANOPIES THAT ARE FILLED WITH NON-COMBUSTIBLE INSULATION.

SHEET KEYNOTES

1105 DROP DOWN TO MAIN LEVEL PIPING.

1106 DROP DOWN TO SPRINKLER BELOW.

1110 USE VISTAULIC VICFLEX VS1 OR APPROVED EQUAL IN FREEZING LOCATIONS.

1113 SPRINKLERS AT TOP OF ORGAN CHAMBER AND AT MID-POINT OF CHAMBER TYP. OF THREE CHAMBERS. REFER TO ORGAN CHAMBER SECTION SHEET FS301 DETAIL B5.

1114 THIS LINE OF SPRINKLERS ARE UPRIGHT ATTIC SPRINKLERS AT THE TOP OF THE PEAK.

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THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

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Approx. 542 South Geneva Road
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Plan Series: G300-MH-11
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Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

MEZZANINE LEVEL FIRE SPRINKLER PLAN

FS102

8/13/2024 10:10:45 AM

FIRE SPRINKLER LEGEND

	UPRIGHT HEAD ON LINE		PRESSURE GAUGE
	CONCEALED PENDENT HEAD	LT	LOW TEMPERATURE SENSOR PROVIDED BY DIVISION 28
	CONCEALED DRY PENDENT HEAD	TS	VALVE TAMPER SWITCH
	SIDE DICHARGE ATTIC HEAD	FS	FLOW SWITCH
	DRY SIDEWALL HEAD RECESSED		FLEXIBLE COUPLING
	DRY SIDEWALL HEAD		SWAY BRACING
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IT	INSPECTOR'S TEST VALVE		FIRE DEP. CONNECTION
	BALL VALVE 2" & SMALLER BUTTERFLY VALVE 2 1/2" & LARGER		PIPE IN FLOOR STRUCTURE
	PIPE UP / PIPE DOWN		

HEAD COUNT

SPRINKLERS	K-FACTOR	ORIFICE	FINISH	TYPE	CANOPY	DEGREE	QUANTITY
	5.6	1/2"	WHITE	WET PENDENT	CONCEALED	155	
	5.6	1/2"	BRONZE	UPRIGHT	N/A	212	
	5.6	1/2"	WHITE	DRY PENDENT	CONCEALED	155	
	5.6	1/2"	BRONZE	ATTIC SIDEWALL	N/A	212	
	5.6	1/2"	WHITE	DRY SIDEWALL	RECESSED	155	
E				(E=EXTENDED COVERAGE)			
	5.6	1/2"	WHITE	WET SIDEWALL	RECESSED	155	
	5.6	1/2"	BRONZE	WET SIDEWALL	N/A	212	
	5.6	1/2"	BRONZE	DRY SIDEWALL	N/A	212	
	5.6	1/2"	BRONZE	ATTIC AP UPRIGHT		212	

HYDRAULIC DESIGN INFORMATION FOR OFFICE WET SYSTEM

REMOTE AREA = SQUARE FEET

DENSITY = GPM/SQUARE FEET

RISER BASE _____ GPM_____ PSI

HYDRAULIC DESIGN INFORMATION FOR MEZZNAINE WET SYSTEM

REMOTE AREA = SQUARE FEET

DENSITY = GPM/SQUARE FEET

RISER BASE _____ GPM_____ PSI

HYDRAULIC DESIGN INFORMATION FOR ATTIC WET SYSTEM

REMOTE AREA = SQUARE FEET

DENSITY = GPM/SQUARE FEET

RISER BASE _____ GPM_____ PSI

HYDRAULIC DESIGN INFORMATION FOR CHAPEL WET SYSTEM

REMOTE AREA = SQUARE FEET

DENSITY = GPM/SQUARE FEET

RISER BASE _____ GPM_____ PSI

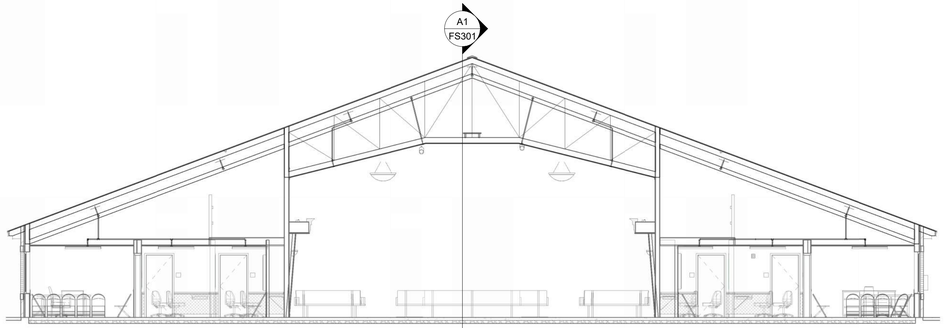
WATER FLOW TEST (1)

TEST DATE: _____ TEST TIME: _____

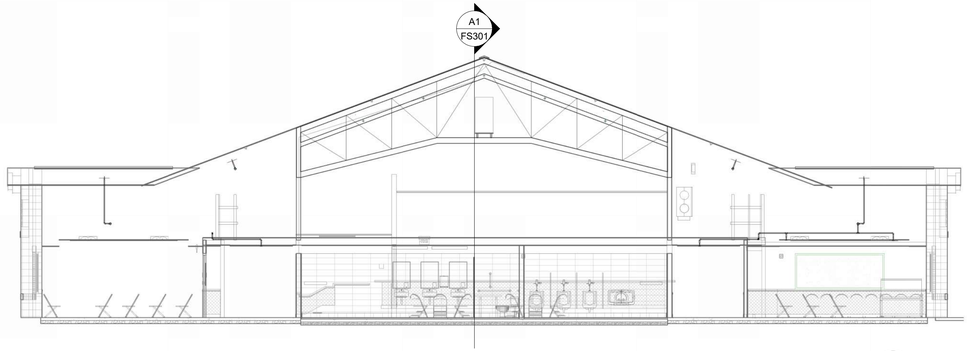
STATIC: _____ RESIDUAL: _____

FLOW: _____ LOCATION: _____

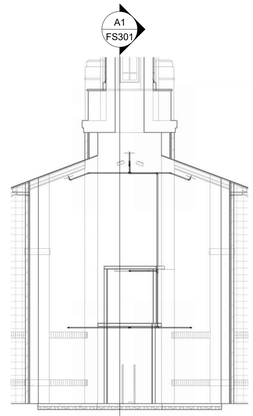
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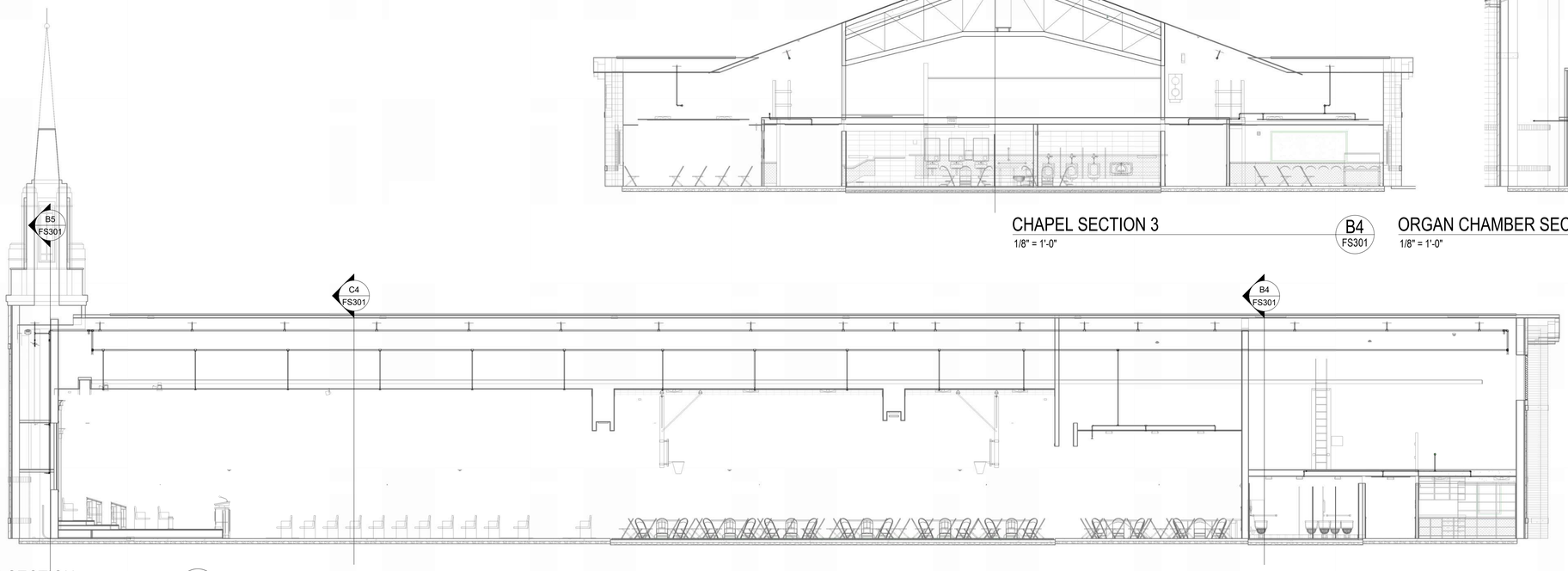
CHAPEL SECTION 2 — C4 FS301
1/8" = 1'-0"



CHAPEL SECTION 3 — B4 FS301
1/8" = 1'-0"



ORGAN CHAMBER SECTION 1 — B5 FS301
1/8" = 1'-0"



OVERALL BUILDING SECTION — A1 FS301
1/8" = 1'-0"

8/13/2024 10:10:57 AM

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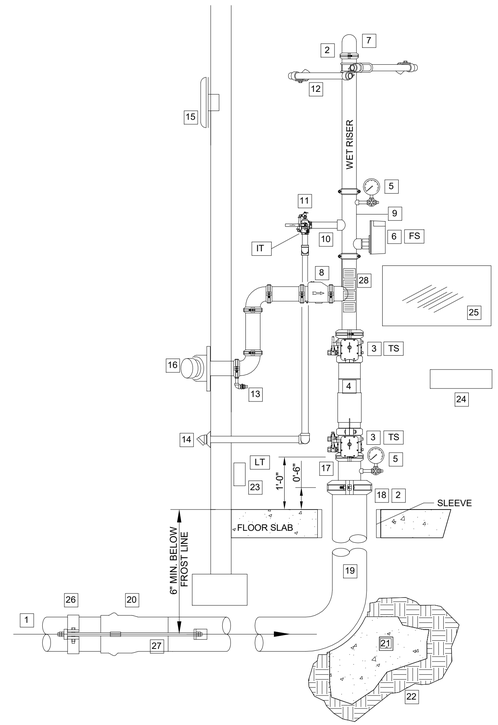
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FIRE SPRINKLER SECTIONS

FS301



WET RISER DETAIL KEYED NOTES:

1. WATER SUPPLY FROM CITY WATER MAIN. SEE SITE UTILITY PLAN FOR CONTINUATION.
2. FLEXIBLE GROOVED PIPE COUPLING WHEN SEISMIC BRACING IS REQUIRED. SEE NOTE #12.
3. GROOVED BUTTERFLY VALVE WITH INTEGRAL SUPERVISORY SWITCH
4. DOUBLE CHECK BACKFLOW PREVENTER WITH RELATED TRIM AND GAUGES
5. 31/2" DIAMETER WATER GAUGE WITH 1/4" TEST AND ISOLATION VALVE.
6. VANE TYPE WATER FLOW SWITCH
7. SUPPLY TO WET PIPE FIRE SPRINKLER SYSTEM
8. SWING CHECK VALVE
9. RISER MANIFOLD - INCLUDES PRESURE GAUGE, FLOW SWITCH, PRESSURE RELIEF VALVE, AND TEST AND MAIN DRAIN DEVICE.
10. INSPECTOR'S TEST & DRAIN VALVE - PIPE TO OUTSIDE.
11. PRESSURE RELIEF VALVE - REQUIRED - SET AT 175 PSI.
12. SEISMIC BRACING REQUIRED IN SEISMIC DESIGN CATEGORY C, D, E, F. SEE DESIGN CRITERIA SCHEDULE ON SHEET S001.
13. 1/2" AUTOMATIC BALL DRIP VALVE
14. DRAIN PIPING TO OUTSIDE WITH GALVANIZED PIPE, 45 ELL, AND 1-PCE GALV. COLLAR.
15. WEATHERPROOF VOICE ALARM/STROBE (OUTSIDE)
16. OUT TO FIRE DEPARTMENT CONNECTION WITH GALVANIZED SCH 40 PIPING- PROVIDE BALL DRIP WHEN TRAPPING PIPE. SIZE CONNECTION AS REQUIRED.
    16.1. NOTE: PIPE FDC TO REMOTE LOCATION WHEN REQUIRED BY FIRE MARSHAL.
17. GALVANIZED SPOOL PIECE WITH PRESSURE GAUGE.
18. REDUCING GROOVED COUPLING OR CONCENTRIC GROOVED REDUCER.
19. AMES STAINLESS STEEL "IN-BUILDING-RISER" ,NO SUBSTITUTIONS, MINIMUM 6 INCH.
20. TYTON JOINT PIPE CONNECTION WITH GASKET.
21. CONCRETE THRUST BLOCK WITH 8 SQ. FEET HORIZONTAL BEARING AREA (MIN).
22. UNDISTURBED EARTH
23. LOW TEMPERATURE SENSOR - MOUNTED ON WALL - THIS SENSOR IS PROVIDED UNDER DIVISION 28 OF THE SPECIFICATIONS.
24. SPARE HEAD CABINET WITH SPARE SPRINKLER HEADS AND WRENCHES.
25. LAMINATED SYSTEM MAP WITH SYSTEM START-UP AND SHUT-DOWN INSTRUCTIONS.
26. GALVANIZED STEEL PIPE RETAINER CLAMP.
27. GALVANIZED STEEL RODS, SIZE PER NFPA 24, TO INCLUDE WASHERS, ROD COUPLINGS, AND ALL-THREAD RODS WITH DOUBLE HEX NUTS.
28. HYDRAULIC CALCULATION PLACARDS

GENERAL NOTES:

1. PROVIDE SLEEVES WHERE PIPING PENETRATES BUILDING AT FLOOR AND WALLS. SEAL AROUND PENETRATION WITH FLEXIBLE MASTIC AT FLOOR. PROVIDE 2" ANNULAR SPACE AROUND PIPE.
2. ALL BURIED STEEL COMPONENTS SHALL BE PROTECTED FROM CORROSION BY THE TAR AND WRAPPED METHOD. GALVANIZED COMPONENTS ARE NOT EXEMPT FROM THIS REQUIREMENT.

RISER SCHEMATIC (W BFP - NO PRV)

1" = 1'-0"

03
FS501A

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THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

Date: 15 Aug 2024
BHD #: 2346
County Parcel: 39:228:0001
Plan Series: G300-MH-11
Owner #: 502-2004

Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

FIRE SPRINKLER RISERS

FS501A

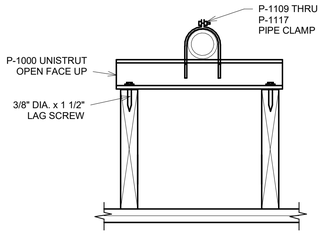
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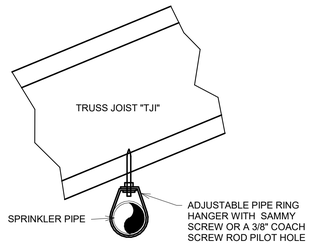
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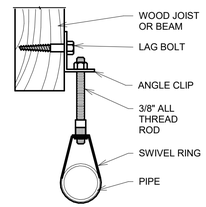
HANGER DETAIL
1 1/2" = 1'-0"
04 FS501B

19

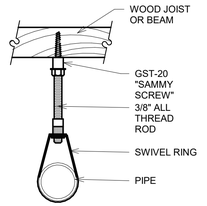
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HANGER DETAIL
1 1/2" = 1'-0"
11 FS501B



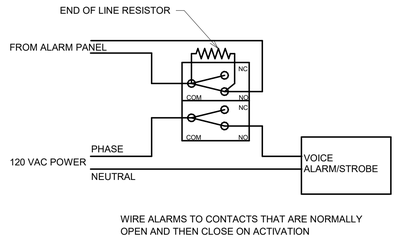
HANGER DETAIL
1 1/2" = 1'-0"
07 FS501B



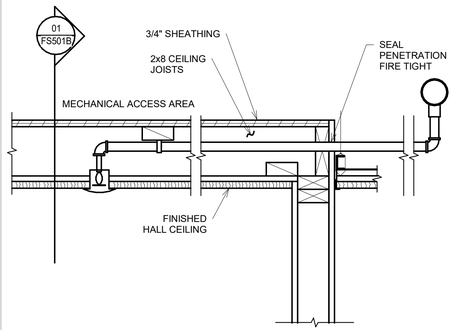
HANGER DETAIL
1 1/2" = 1'-0"
03 FS501B

18

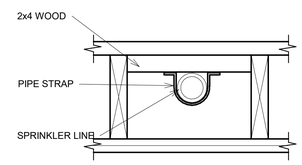
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WIRING SCHEMATIC
1 1/2" = 1'-0"
10 FS501B



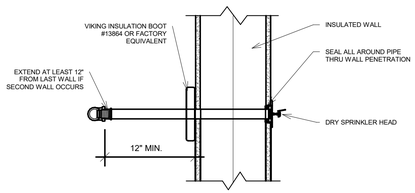
SECTION
1 1/2" = 1'-0"
06 FS501B



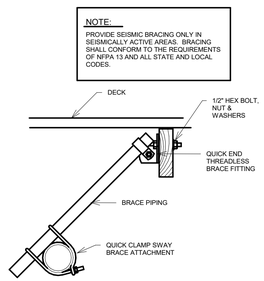
SECTION
1 1/2" = 1'-0"
02 FS501B

17

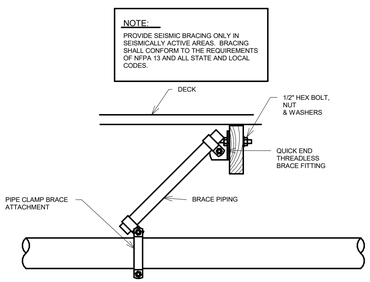
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DRY HEAD DETAIL
1 1/2" = 1'-0"
09 FS501B



LATERAL SEISMIC BRACE
1 1/2" = 1'-0"
05 FS501B



LONGITUDINAL SEISMIC BRACE
1 1/2" = 1'-0"
01 FS501B

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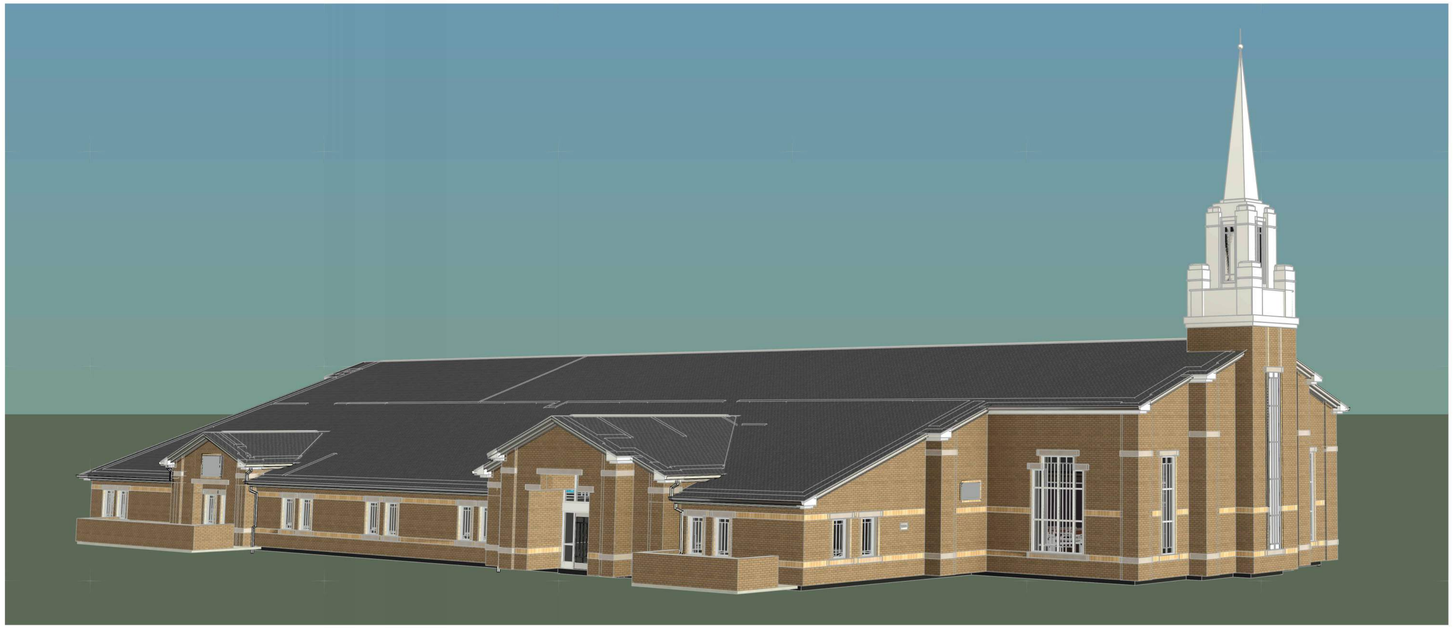
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FIRE SPRINKLER DETAILS

FS501B



LOCATION MAP



GRAPHIC SYMBOLS/ MATERIALS LEGEND

- FLOOR OR POINT ELEVATION
- KEY NOTE
- SPECIFICATION KEY NOTE
- WALL TYPE
- DOOR NUMBER
- WINDOW NUMBER
- FIXTURE TAG
- REVISION TAG
- DETAIL
- INTERIOR ELEVATION
- BUILDING ELEVATION
- ROOM NAME & NUMBER
- BUILDING SECTION
- WALL SECTION
- BUILDING GRID LINES
- E.I.F.S.
- CONCRETE MASONRY UNIT
- BRICK VENEER
- STONE VENEER
- CONCRETE
- GYPSUM BOARD OR GROUT
- BATT INSULATION
- RIGID INSULATION
- PLYWOOD
- ROUGH WOOD-CONTINUOUS
- ROUGH WOOD-BLOCKING
- WOOD TRIM
- STEEL
- GRAVEL
- EARTH
- CENTER LINE
- WALL TYPE

ABBREVIATIONS

#	NUMBER	FLR.	FLOOR	RM.	ROOM
@	AT	FT.	FEET	R.O.	ROUGH OPENING
A.B.	ANCHOR BOLT	FTG.	FOOTING	SCHED.	SCHEDULE
ABV.	ABOVE	GA.	GAGE/GAUGE	SHT.	SHEET
ADJ.	ADJUSTABLE	GALV.	GALVANIZED	SIM.	SIMILAR
A.F.F.	ABOVE FINISH FLOOR	GPM	GALLONS PER MINUTE	SPEC.	SPECIFICATION
ALUM.	ALUMINUM	GND.	GROUND	STC	SOUND TRANSMISSION COEFFICIENT
BD.	BOARD	GOVT.	GOVERNMENT	STD.	STANDARD
BLDG.	BUILDING	GYP. BD.	GYPSUM WALL BOARD	STRUCT	STRUCTURAL
B.M.	BENCHMARK	HC.	HANDICAPPED	SUSP.	SUSPENDED
B.O.	BOTTOM OF	HDW.	HARDWARE	T.O.	TOP OF
BOT.	BOTTOM	H.M.	HOLLOW METAL	T.O.C.	TOP OF CURB
B.P.	BASE PLATE	HORIZ.	HORIZONTAL	T.O.F.	TOP OF FOOTING
BRG.	BEARING	HT.	HEIGHT	T.O.S.	TOP OF SLAB
BTWN.	BETWEEN	HVAC	HEATING/VENTILATION/ AIR CONDITIONING	T.O.W.	TOP OF WALL
C.J.	CONSTRUCTION JOINT	HYD	HYDRANT	TYP.	TYPICAL
CLG.	CEILING	I.D.	INSIDE DIAMETER	U.N.O.	UNLESS NOTED OTHERWISE
CLR.	CLEAR	INFO.	INFORMATION	VERT.	VERTICAL
CMU	CONCRETE MASONRY UNIT	INSUL.	INSULATION	W/	WITH
COL.	COLUMN	LAV.	LAVATORY	WD.	WOOD
CONC.	CONCRETE	LT.	LIGHT	W.W.F.	WELDED WIRE FABRIC
CONT.	CONTINUOUS	LT. WT.	LIGHT WEIGHT		
CONST.	CONSTRUCTION	MAINT.	MAINTENANCE		
C.T.J.	CONTRACTION JOINT	MANUF.	MANUFACTURER		
DBL.	DOUBLE	MAX.	MAXIMUM		
DET./DTL.	DETAIL	MAT.	MATERIAL		
DIA.	DIAMETER	M.C.J.	MASONRY CONTROL JOINT		
DTL.	DETAIL	MECH.	MECHANICAL		
DWGS.	DRAWINGS	MIN.	MINIMUM		
E.F.	EACH FACE	MISC.	MISCELLANEOUS		
E.J.	EXPANSION JOINT	M.O.	MASONRY OPENING		
EL./ELEV.	ELEVATION	MTL.	METAL		
EQ.	EQUAL	N.I.C.	NOT IN CONTRACT		
E.S.	EACH SIDE	N.T.S.	NOT TO SCALE		
E.W.	EACH WAY	O.C.	ON CENTER		
EXIST.	EXISTING	O.D.	OUTSIDE DIAMETER		
EXPAN.	EXPANSION	O.F.	OUTSIDE FACE		
EXT.	EXTERIOR	PERP.	PERPENDICULAR		
E.W.C.	ELECTRIC WATER COOLER	PL.	PLATE		
F.D.	FLOOR DRAIN	PTD.	PAINTED		
FDN./FDTN.	FOUNDATION	QTY.	QUANTITY		
F.E.	FIRE EXTINGUISHER	R.D.	ROOF DRAIN		
F.E.C.	FIRE EXTINGUISHER CABINET	RAD.	RADIUS		
F.F.	FINISH FLOOR	REINF.	REINFORCED		
FIN.	FINISH	REQ'D	REQUIRED		

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Work by Owner

Item	Furnished by	Installed by	Item	Furnished by	Installed by
Special inspections and testing	Owner	Owner	Basketball backstops, equipment	Owner	Owner
HVAC test and balance	Owner	Owner	Volleyball sleeves, volleyball equipment	Owner	Contractor
Hymn number display	Owner	Owner	Artwork	Owner	Owner
Carpet and carpet base	Owner	Owner	Piano, organ	Owner	Owner
Fixed glass display boards	Owner	Contractor	Phone and computer systems	Owner	Owner
Fixed tackboards	Owner	Contractor	Internet firewall, network switch, wireless access points	Owner	Contractor
Display cases	Owner	Contractor	Access control system	Owner	Owner
Interior signage	Owner	Contractor	Internet service provider modem	Owner	Owner
Pews	Owner	Owner	Televisions, television brackets	Owner	Contractor
Soap, paper towel, and toilet tissue dispensers	Owner	Owner	High security cylinders and cores	Owner	Owner
Baby changing stations	Owner	Contractor	Network streaming equipment	Owner	Owner
Refrigerator, range, microwave	Owner	Contractor	Roof access ladder anchor	Owner	Contractor
Projection screen	Owner	Contractor			
Key cabinet	Contractor	Owner			

DRAWING INDEX

GENERAL

SHEET #	SHEET NAME
G001	COVER SHEET
G101	CODE INFORMATION, SYMBOLS, EXITING AND OCCUPANCY PLAN
G102	CODE ANALYSIS
G103	ACCESSIBILITY - PUBLIC SPACES
G104	ACCESSIBILITY - PUBLIC SPACES

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SHEET #	SHEET NAME
C101	SITE SURVEY
C102	SITE KEY PLAN
C105	SITE DEMOLITION PLAN
C111	SITE PLAN - NORTH
C112	SITE PLAN - SOUTH
C113	SITE DIMENSION PLAN - NORTH
C114	SITE DIMENSION PLAN - SOUTH
C121	GRADING AND DRAINAGE PLAN
C122	GRADING AND DRAINAGE PLAN
C151	SITE UTILITY PLAN
C171	EROSION CONTROL PLAN
C501	SITE DETAILS
C502	SITE DETAILS
C503	SITE DETAILS
C504	SITE DETAILS
C521	CIVIL DETAILS
C531	CIVIL DETAILS
C541	CIVIL DETAILS
C551	CIVIL DETAILS
C571	CIVIL DETAILS
C601	CIVIL NOTES
C801	STORAGE BUILDING

LANDSCAPE

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LS102	LANDSCAPE PLAN
LS201	IRRIGATION PLAN
LS202	IRRIGATION PLAN
LS301	LANDSCAPE DETAILS
LS401	IRRIGATION DETAILS
LS402	IRRIGATION DETAILS
LS403	IRRIGATION DETAILS

ARCHITECTURAL

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A102	ARCHITECTURAL SLAB PLAN
A103	MAIN FLOOR DIMENSION PLAN
A104	EQUIPMENT PLATFORM PLAN
A105	MAIN FLOOR WALL TYPES PLAN
A111	WALL TYPES
A112	WALL TYPES
A113	WALL TYPES
A121	ROOF PLAN
A122	ROOF DETAILS
A123	ROOF DETAILS
A151	REFLECTED CEILING PLAN
A152	LIGHT COVE AND CEILING TRIM DETAILS
A201	BUILDING ELEVATIONS
A202	BUILDING ELEVATIONS
A203	EXTERIOR PLAN DETAILS
A301	BUILDING SECTIONS
A302	BUILDING SECTIONS
A303	BUILDING SECTIONS
A304	BUILDING SECTION
A305	DETAILS
A306	STEEPLE PLANS, ELEVATIONS, SECTIONS AND DETAILS
A401	ENLARGED RESTROOM PLAN AND ELEVATIONS
A402	ENLARGED ROOM 153 PLAN AND DETAILS
A403	ENLARGED BISHOP, CLERK, AND MOTHER'S ROOM
A404	ENLARGED SERVING AREA AND MEMBER CUSTODIAL
A405	INTERIOR ELEVATIONS AND DETAILS
A406	ENLARGED ROSTRUM PLAN AND ELEVATIONS
A407	ROSTRUM FRONT WALL ELEVATION DETAILS
A408	ROSTRUM CASEWORK ELEVATIONS
A409	ROSTRUM CASEWORK ELEVATIONS AND DETAILS
A410	ROSTRUM CASEWORK DETAILS
A411	ROSTRUM CASEWORK DETAILS
A412	CHILDRENS LECTERN AND TABLETOP LECTERN CASEWORK
A413	STAIR SECTIONS
A501	ARCHITECTURE DETAILS
A502	ARCHITECTURE DETAILS
A503	ARCHITECTURE DETAILS
A601	DOOR SCHEDULE & DETAILS
A602	WINDOW DETAILS
A603	STOREFRONT DETAILS
A604	DOOR AND WINDOW DETAILS

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SHEET #	SHEET NAME
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F102	ROOM SIGNAGE LOCATION PLAN
F103	ROOM SIGNAGE & FINISH SCHEDULE AND DETAILS

STRUCTURAL

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S102	ANCHOR BOLT HOLDDOWN AND WALL TYPE PLAN
S103	ROSTRUM AND PLATFORM FRAMING PLAN
S104	EQUIPMENT PLATFORM FRAMING PLAN
S105	ROOF FRAMING PLAN
S106	ENLARGED ENTRY ROOF FRAMING PLANS
S201	TRUSS ELEVATIONS
S202	TRUSS ELEVATIONS
S203	TRUSS ELEVATIONS
S204	TRUSS ELEVATIONS
S205	TRUSS ELEVATIONS
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S401	STEEPLE PLATFORM, FRAMING AND DETAILS
S402	STEEPLE DETAILS
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S502	FOUNDATION DETAILS
S503	FOUNDATION DETAILS
S504	FOUNDATION DETAILS
S511	ROSTRUM AND PLATFORM DETAILS
S512	ROSTRUM AND PLATFORM DETAILS
S513	EQUIPMENT PLATFORM FRAMING DETAILS
S514	EQUIPMENT PLATFORM FRAMING DETAILS
S521	ROOF DETAILS
S522	ROOF DETAILS
S523	ROOF DETAILS
S524	ROOF DETAILS
S601	SCHEDULES
S602	SCHEDULES
S603	SCHEDULES
S604	SCHEDULES

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FS102	MEZZANINE LEVEL FIRE SPRINKLER PLAN
FS301	FIRE SPRINKLER SECTIONS
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FS501B	FIRE SPRINKLER DETAILS

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P101	MAIN FLOOR PLUMBING PLAN
P102	EQUIPMENT PLATFORM PLUMBING PLAN
P401	LARGE SCLAE PLUMBING PLANS
P501	PLUMBING DETAILS
P502	PLUMBING DETAILS
P601	PLUMBING SCHEDULES AND GAS PIPING SCHEMATIC

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M102	EQUIPMENT PLATFORM MECHANICAL PLAN
M501	MECHANICAL SECTIONS
M502	MEHCANICAL SECTIONS
M501	MECHANICAL DETAILS
M502	MECHANICAL DETAILS
M503	MECHANICAL DETAILS
M601	MECHANICAL SCHEDULES
ME101	AUTOMATIC TEMPERATURE CONTROL PLANS
ME701	AUTOMATIC TEMPERATURE CONTROL WIRING AND SCHEDULES
ME702	AUTOMATIC TEMPERATURE CONTROL WIRING
ME703	AUTOMATIC TEMPERATURE CONTROL WIRING
ME704	AUTOMATIC TEMPERATURE CONTROL WIRING
ME705	AUTOMATIC TEMPERATURE CONTROL WIRING

ELECTRICAL

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E101	MAIN FLOOR POWER PLAN
E104	EQUIPMENT PLATFORM ELECTRICALPLAN
E110	SITE PHOTOMETRICS
E111	ELECTRICAL SITE PLAN - NORTH
E112	ELECTRICAL SITE PLAN - SOUTH
E151	MAIN FLOOR LIGHTING PLAN
E501	ELECTRIC DETAILS
E502	TRANSFORMER PAD DETAILS
E601	SCHEDULES & SYMBOLS
E602	PANEL SCHEDULES
E603	PANEL SCHEDULES
E604	LIGHTING FIXTURE SCHEDULE
E605	POWER SINGLE LINE DIAGRAM
E606	LIGHTING CONTROL WIRING DIAGRAMS

TECHNOLOGY

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ET102	MAIN FLOOR AV ROUGH-IN CEILING PLAN
ET601	SCHEDULES, NOTES, DETAILS AND DIAGRAM
ET602	AV ROUGH-IN DETAILS
TA501	AV SYSTEMS DETAILS
TA601	AV SYSTEMS SCHEDULES AND NOTES
TA602	AV SYSTEMS DIAGRAMS
TA603	AV SYSTEMS DIAGRAMS
TT601	TELECOM SCHEDULES, NOTES
TT602	TELECOM DETAILS AND DIAGRAMS

FIRE DETECTION

SHEET #	SHEET NAME
FA101	FIRE ALARM

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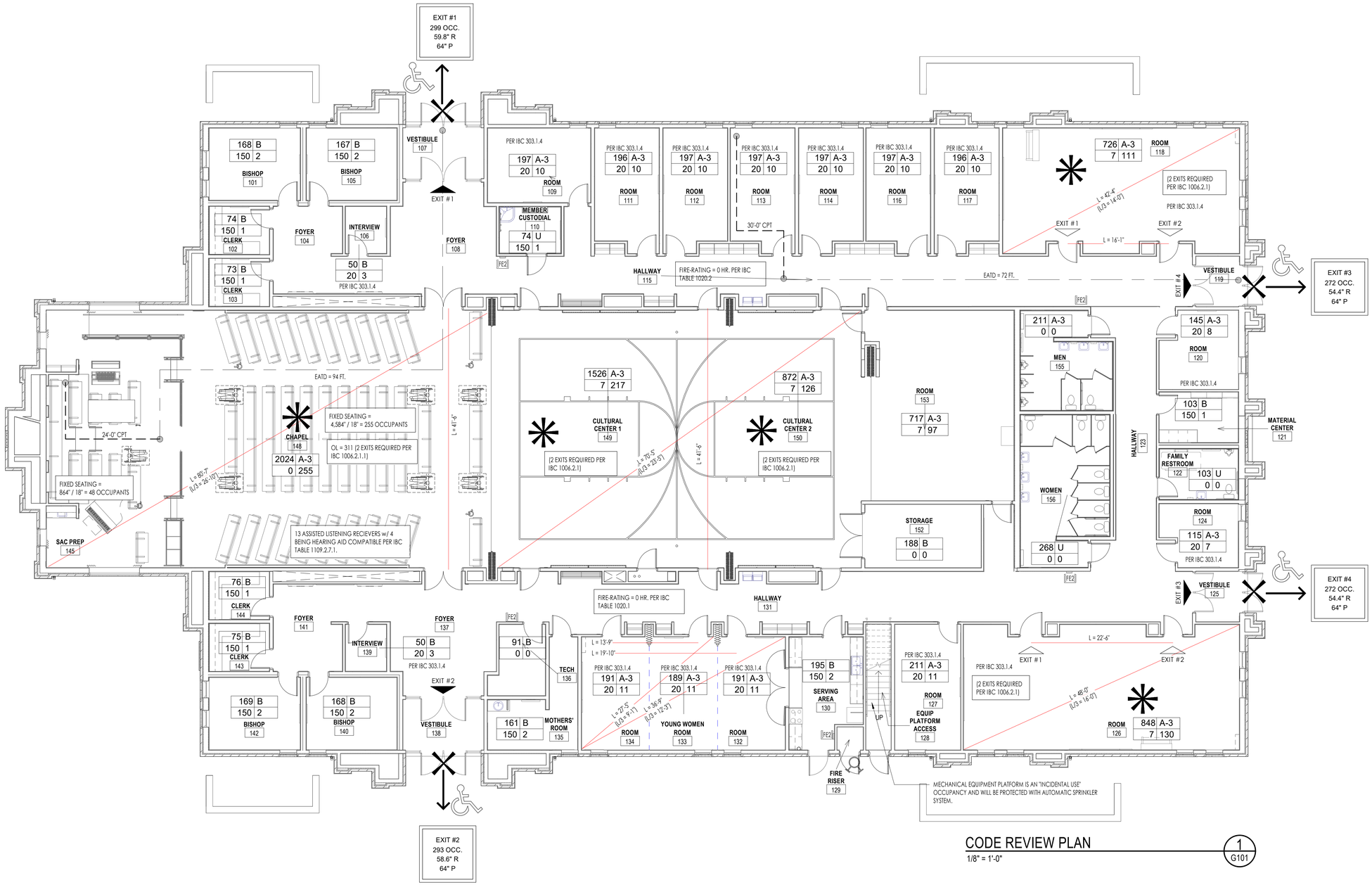
Drawing Issue and Revision Schedule

#	Date	Description
9	22 Dec. 2025	ASI #2
8	15 Aug 2025	LDP Review Response
7	13 Aug 2025	Building Permit App
6	18 Jun 2025	Site Plan Review Responses
5	3 Apr 2025	ASI #1
4	3 Sep. 2024	Addendum #3
3	30 Aug 2024	Addendum #2
2	27 Aug 2024	Addendum #1
1	15 Aug 2024	Bid Documents

COVER SHEET

G001

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CODE REVIEW PLAN

1/8" = 1'-0"

1 / G101

CODE ANALYSIS LEGEND

- EXIT 166 OCC. 3'-0"R 4'-0"P — (LOCATION SHOWN BY LARGE ARROW); MAXIMUM OCCUPANT LOAD THRU EXIT; MINIMUM REQUIRED EXIT WIDTH; EXIT WIDTH PROVIDED
- CPT — COMMON PATH OF TRAVEL AS PER TABLE 1006.2.1
- EXIT ACCESS TRAVEL DISTANCE AS PER TABLE 1017.2
- ROOM/AREA SQUARE FOOTAGE
- SF | OCC — OCCUPANCY GROUP
- OLF | OL — OCCUPANT LOAD
- OCCUPANCY LOAD FACTOR (n=NET sf, g=GROSS SF)
- ROOM/AREA REQUIRED EXIT
- BUILDING REQUIRED EXIT
- ED — EXIT DISCHARGE TO PUBLIC WAY - IBC 1028
- FIRE DEPARTMENT CONNECTION (FDC)
- FE1 — ONE-HOUR FIRE RATED RECESSED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER FIRE EXTINGUISHER - 2A: 10BC
- FE2 — NON-RATED RECESSED MOUNTED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER FIRE EXTINGUISHER - 2A: 10BC
- ROOMS WITH AN OCCUPANT LOAD OF 50 OR MORE IN GROUP A OCCUPANCY SHALL HAVE TWO EXITS (IBC 2021 SECTION 1006.1)
- REQUIRED EXIT LIGHT LOCATIONS. SEE IBC 2021 SECTION 1013. (SHOWN ON ELECTRICAL DRAWINGS)
- ACCESSIBLE ELEMENT
- NON-ACCESSIBLE ELEMENT
- PANIC HARDWARE REQUIRED

GENERAL NOTES

1- SEE G102 FOR COMPLETE WRITTEN CODE ANALYSIS & REVIEW - ALL AREAS SHOWN HERE ARE REFERENCED WITHIN CODE ANALYSIS.

2- CODE ANALYSIS BASED ON IBC 2021 REQUIREMENTS.

SIGNAGE

SEE SIGNAGE SCHEDULE AND LAYOUT ON SIGNAGE SHEETS

1. ACCESSIBILITY SIGNAGE: PROVIDE SIGNAGE TO MEET THE REQUIREMENTS OF ANSI 117.1-2017. PROVIDE SIGNAGE FOR ACCESSIBLE ENTRANCES, RESTROOMS, ETC.
2. BUILDING ADDRESS: APPROVED NUMBERS OR ADDRESSES SHALL BE PROVIDED IN SUCH A POSITION AS TO BE CLEARLY VISIBLE AND LEGIBLE FROM THE STREET OR ROADWAY FRONTING THE PROPERTY IN COMPLIANCE WITH IBC 2021 SECTION 502.1.
3. EXIT SIGNS - SEE SIGNAGE SCHEDULE.

PROJECT SUMMARY:
CONSTRUCTION TYPE: VB
FIRE SPRINKLER: NFPA 13
OCCUPANCY'S: A-3, B (NON-SEPARATED)
OCCUPANCY LOAD (AREA): A-3 = 1,120; B = 16
TOTAL OCCUPANCY LOAD = **1,136**

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LICENSED ARCHITECT — Lafe Teadore Harris — 15 AUG 2024 — 6278-0301 — STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake
Approx. 542 South Geneva Road
Vineyard, Utah 84059

Owner #: 502-2004
Plan Series: G300-MH-11
County Parcel: 39-228-0001
BHD #: 2346
Date: 15 Aug 2024

Drawing Issue and Revision Schedule

#	Date	Description

CODE INFORMATION, SYMBOLS, EXITING AND OCCUPANCY PLAN

G101

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CODE ANALYSIS

Abbreviations

N/A	Not Applicable as part of this Project
AGP	Above Grade Plan - Story
FDVA	Fire Department Vehicle Access
FSD	Fire Separation Distance
AHJ	Authority Having Jurisdiction
OL	Occupant Load

Applicable Codes:

2021	IBC	International Building Code
2021	IFC	International Fire Code
2021	IPC	International Plumbing Code
2021	IMC	International Mechanical Code
2020	NEC	National Electrical Code
2021	IFGC	International Fuel Gas Code
2021	IECC	International Energy Conservation Code: Commercial
2017	ANSI	ICC/American National Standard A117.1 + ADDAG

Amendments (State or Local, Building Code Amendments - www.dopl.utah.gov)

(Chap. 3) Use and Occupancy Classification

Occupancy	Occupancies	Fire Separation(Table 508.4)
A-3	A-3 / B	0 hr. see exception*
B		

* 303.1.1 Small buildings and tenant spaces: A building or space used for assembly purposes with OL<50 shall be classified as a B occupancy.

* 303.1.4 Accessory to places of religious worship: Accessory religious educational rooms and religious auditoriums with OL<100/ room or space are not considered separate occupancies.

(Chap. 4) Special Detailed Requirements Based on Use & Occupancy

None apply for places of religious worship or business type occupancies

(Chap. 5) General Building Heights and Areas

Allowable height, stories, and area (Table 504.3, 504.4, 506.2) - VB, Sprinklered

Occupancy:	Height (ft)	Story	Allowable Area	Actual	Ratio
A-3	60	2	24,000 S.F.	17,324 S.F.	0.722
B	60	3	36,000 S.F.		

Actual height, stories and area

Occupancy	Height (ft)	Story	Area (sf) Outside of Foundation
A-3	29	1	18,315

508.3.1 Non-separated occupancy structure

505.3 Equipment Platforms in building shall not be considered as a portion of the floor below. Such equipment platforms shall not contribute to either building area or the number of stories.

505.3.1 Area of Equipment Platform - 3,491 Sq. Ft. < 3,979 Sq. Ft.
Room Below = 5,968 * 2/3 = 3,979 Sq. Ft.

(Chap. 6) Types of Construction

Occupancy	Const. Type	Fire-Resistance Rating for Building Elements (Table 601)	Type V-B
A-3	V-B	Primary structural frame	0
B	V-B	Bearing walls Exterior	0
		Bearing walls Interior	0
		Nonbearing walls and partitions Exterior	Table 705.5
		Nonbearing walls and partitions Interior	0
		Floor construction and secondary members	0
		Roof construction and secondary members	0

(Chap. 7) Fire and Smoke Protection Features

Fire-resistance of exterior walls (Table 705.5)

	A-3	B
X>30'	0	0

(Chap. 7) Fire and Smoke Protection Features (cont.)

704.2 Column Protection - NA

704.3 Protection of the Primary Structural Frame other than Columns - NA

704.10 Exterior Structural Members - NA

705 Exterior Walls

705.2 Projections: Shall not extend closer to FSD than Table 705.2 - NA

705.5 Fire-resistance ratings: > 10 ft. exterior wall rated for exposure from inside only - NA

Table 705.8 Maximum Area of Exterior Wall based on fire separation distance

Greater than 30' - No Limit

705.8.5 Vertical Separation of Openings - NA

713.4 Fire-resistance rating of Shafts - NA

718 Concealed Spaces

718.2 Fireblocking - Required throughout

718.3 Draftstopping in floors

718.3 Exception - Not required if building is equipped throughout with an automatic sprinkler system

718.4 Draftstopping in attics

718.4 Exception - Not required if building is equipped throughout with an automatic sprinkler system

(Chap. 8) Interior Finishes

Interior wall and ceiling finish requirements by occupancy (Table 803.13)

Occupancy	Exiting Elements	Corridors	Room & Enclose Spaces
A-3	B	B	C
B	B	C	C

(Chap. 9) Fire Protection Systems

903 Automatic Sprinkler Systems

903.2.1.3 Automatic sprinkler systems required in A-3 occupancy

903.3.1.1 Standard - NFPA 13

906.1 Portable Fire Extinguishers - Where required

A-3 - Class A, Ordinary Hazard

B - Class A, Ordinary Hazard

Class A, Ordinary Hazard Fire Extinguisher Requirements

Rated: 2-A

Max. Floor Area per Unit of A = 1,500 sf

Max. Floor Area for Extinguisher = 11,500 sf

Max. Travel Distance = 75 feet

907.2 Fire Alarm and Detection Systems - Where required

A-3 - OL> 1000

Installed per IBC and NFPA 72

(Chap. 10) Means of Egress

Table 1004.5 - Occupant Load: See drawing sheet G101 for floor plan showing occupant loads for each room.

1005 Means of Egress Sizing: 0.3" x OL for stairs and 0.2" x OL for other egress components. See drawing sheet G101 floor plan showing stairs and egress components and width required and width provided.

Table 1006.2.1 Maximum Common Path of Egress Travel Distance

A-3	75' (with sprinkler system)
B	100' (with sprinkler system)

Table 1006.3.2 Minimum Number of Exits or Access to Exits Per Story

Occupant Load 1136 - 4 Exits Required, 4 Provided

1009 Accessible Means of Egress

1009.1 Need (1) accessible means of egress/space min. or (2) when two exits are required.

1009.2 Continuity and Components: Each required accessible means of egress shall be continuous to a public way.

(Chap. 10) Means of Egress (cont.)

Table 1017.2 Exit Travel Distance

A-3	250' (with sprinkler system)
B	300' (with sprinkler system)

Table 1020.1 Corridor Fire-resistance Rating

A-3	OL > 30 = 0 hr. (with sprinkler system)
B	OL > 30 = 0 hr. (with sprinkler system)

Table 1020.2 Minimum Corridor Width

Any facilities not listed below	44"
Access to mechanical, plumbing, or electrical equipment	24"
With occupant load less than 50	36"

1029 Assembly

1030.2 Main exit required when OL > 300. Must be of sufficient capacity to accommodate 1/2 the OL

1029.3 Other exists required when OL > 300. Must be of sufficient capacity to accommodate 1/2 the OL

1030.7 Travel distance: 250' max to an exit in sprinklered building

1030.8 Common path of egress travel: 30' max. from any seat to two paths of egress travel to two exits

1030.15 Seat Stability: A-3 occupancy - seats shall be securely fastened to the floor

(Chap. 11) Accessibility

1103 Scoping Requirements

1103.1 Facility and site required to be accessible

1104 Accessible Route

1104.1 Site arrival points: 1 required

1104.3 Connected spaces: All spaces are required to be accessible and connected by an accissible route

1105 Accessible Entrances

1105.1 Public Entrances: At least 60% of all public entrances shall be accessible

1108 Special Occupancies

Table 1108.2.2.1 Accessible wheelchair spaces

Assembly area capacity = 311 6 spaces required

Table 1108.2.7.1 Receivers for assistive listening systems

Assembly area capacity = 311 14 receivers required

Assembly area capacity = 311 4 receivers to be hearing-aid compatible

1109 Other features and facilities

1110.2 Toilet and bathing facilities: One type of each fixture, element, control or dispenser shall be accessible

1110.2.1 Family or assisted-use toilet: Family or assisted-use toilet is required in A occupancy where > 6 WC are required

1110.2.4 Water closet compartment: One WC must be accessible. If WC + urinals > 6, provide one ambulatory access. WC

1110.2.5 Lavatories: At least 5%, but not less than one shall be accessible

1110.4 Kitchens and kitchenettes: Shall be accessible

(Chap. 12) Interior Environment

1202 Ventilation

1202.2 Ventilation required: The net free ventilating area shall be not less than 1/150 of the area of the space ventilated

Exception #1: 1/300 allowed when 50%-80% of venting area is 3' above eave vent

Exception #2: 1/300 allowed when Class I or II vapor barrier provided

Attic area = 17,304 sf /300 = 57.68 sf x 144 = 8,305 sq. inches required

Ridge Vent - Net Free Area = 35 sq. in./LF x 262' = 9,170 sq. inches

Soffit Vent - Net Free Area = 8.8 sq. in./LF x 495' = 4,356 sq. inches

Ventilation Provided = 13,526 sq. inches

(Chap. 29) Plumbing Systems

Table 2902.1 Minimum number of required plumbing fixtures

Occ. Type	Occ. Load	Water Closets		Lavatories		DF	Service Sink
		M	W	M	W		
A-3	M-560, W-560	560/150=3.73	560/75=7.47	560/200=2.80	560/200=2.80	1120/1000=1.12	
B	M-8, W-8	8/25=0.32	8/25=0.32	8/40=0.2	8/40=0.2	16/100=0.16	
	Total Req.	4.05	7.79	3.00	3.00	1.28	1
	Provided	5	8	4	4	4	1

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CODE ANALYSIS

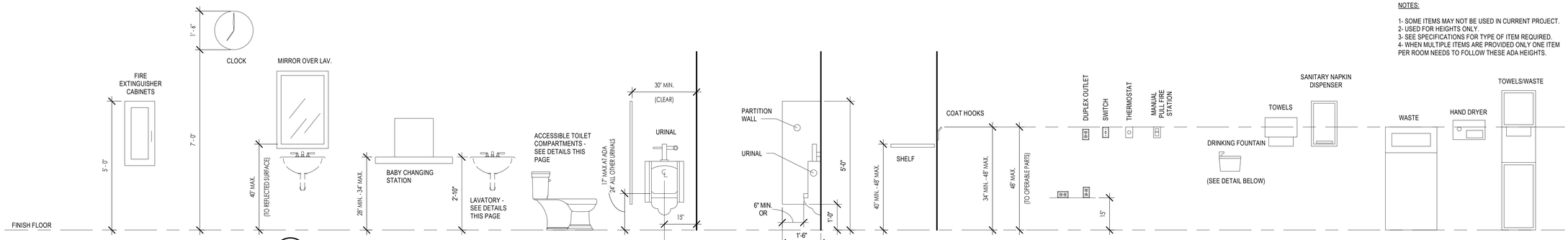
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ACCESSIBLE COMMON SPACE REQUIREMENTS BASED ON ICC/ANSI A117.1-2017

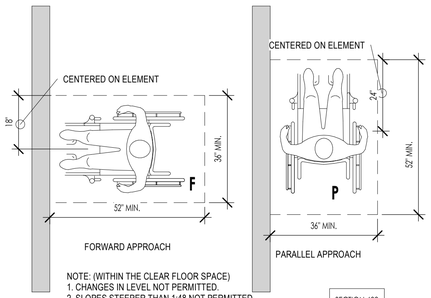
NOTES:

1- SOME ITEMS MAY NOT BE USED IN CURRENT PROJECT.
2- USED FOR HEIGHTS ONLY.
3- SEE SPECIFICATIONS FOR TYPE OF ITEM REQUIRED.
4- WHEN MULTIPLE ITEMS ARE PROVIDED ONLY ONE ITEM PER ROOM NEEDS TO FOLLOW THESE ADA HEIGHTS.



ACCESSIBILITY - TYPICAL MOUNTING HEIGHTS
1/2" = 1'-0" — A G103

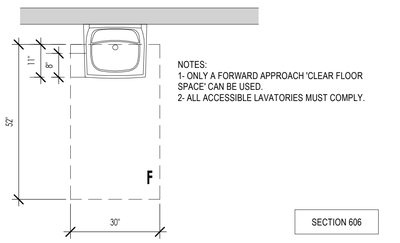
F = FORWARD APPROACH
P = PARALLEL APPROACH



NOTE: (WITHIN THE CLEAR FLOOR SPACE)
1. CHANGES IN LEVEL NOT PERMITTED.
2. SLOPES STEEPER THAN 1:48 NOT PERMITTED.
3. CAN INCLUDE KNEE AND TOE CLEARANCE, U.N.O.
4. EITHER APPROACH CAN BE USED AT AN ELEMENT, U.N.O.
5. DOORS CAN SWING INTO CLEAR FLOOR SPACE, U.N.O.

SECTION 602

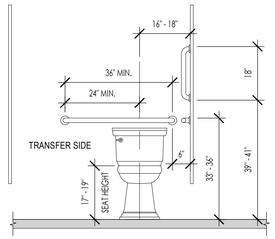
CLEAR FLOOR SPACE
1/2" = 1'-0" — B G103



NOTES:
1- ONLY A FORWARD APPROACH 'CLEAR FLOOR SPACE' CAN BE USED.
2- ALL ACCESSIBLE LAVATORIES MUST COMPLY.

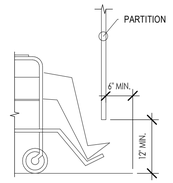
SECTION 606

PUBLIC LAVATORY
1/2" = 1'-0" — C G103



SECTION 603 & 604.9

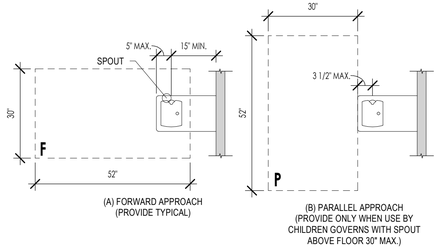
ACCESSIBLE STALLS
1/2" = 1'-0" — D G103



(A)
ELEVATION

SECTION 604.9

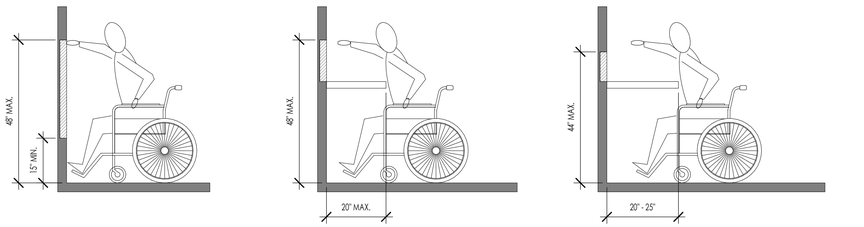
TOILET STALL TOE CLEARANCE
3/4" = 1'-0" — E G103



SECTION 602

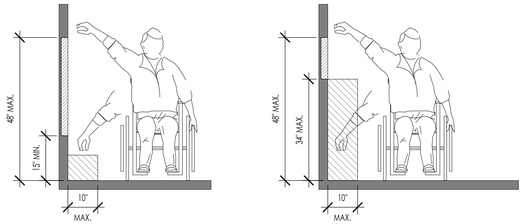
PUBLIC DRINKING FOUNTAIN
1/2" = 1'-0" — F G103

NOTES:
1- AREA REQUIRED FOR KNEE AND TOE CLEARANCE - 30" WIDE MIN.



SECTION 308

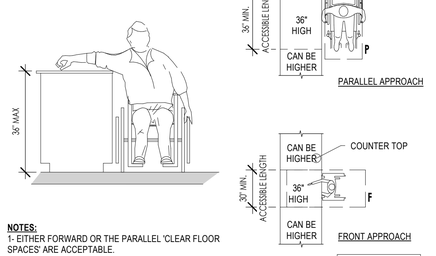
REACH RANGES FOR FORWARD REACH
1/2" = 1'-0" — G G103



SECTION 308

REACH RANGES FOR SIDE REACH
1/2" = 1'-0" — H G103

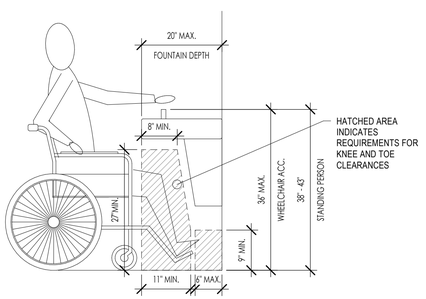
NOTES:
1- AREA REQUIRED FOR KNEE AND TOE CLEARANCE - 30" WIDE MIN.
2- IMAGES A-C REQUIRE A PARALLEL "CLEAR FLOOR SPACE".



NOTES:
1- EITHER FORWARD OR THE PARALLEL 'CLEAR FLOOR SPACES' ARE ACCEPTABLE.

SECTION 904

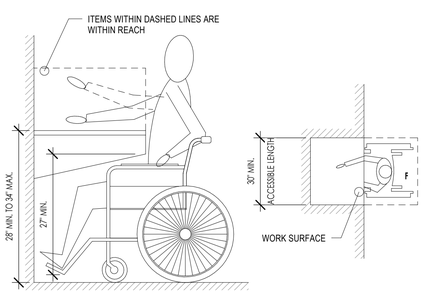
SERVICE COUNTER
1/2" = 1'-0" — J G103



NOTES:
1- AREA REQUIRED FOR KNEE AND TOE CLEARANCE - 30" WIDE MIN.
2- SEE SECTION 602.6 FOR SPECIFIC WATER FLOW.

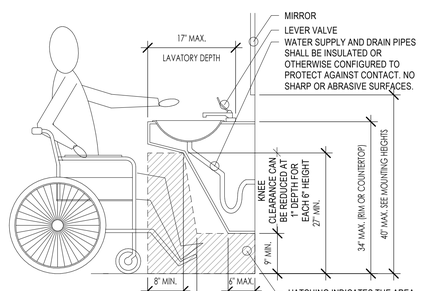
SECTION 602 & 306

PUBLIC DRINKING FOUNTAIN
3/4" = 1'-0" — K G103



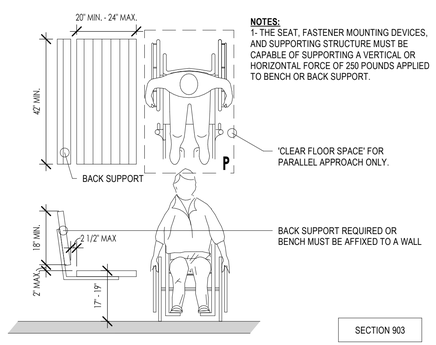
SECTION 902

WORK SURFACE
3/4" = 1'-0" — L G103



SECTION 306 & 606

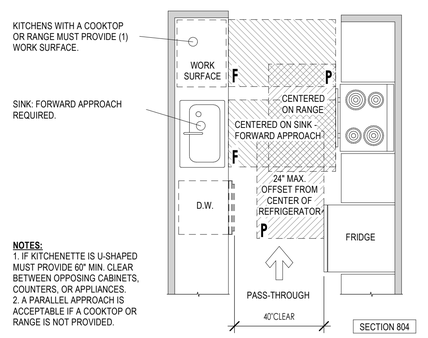
PUBLIC LAVATORY
3/4" = 1'-0" — M G103



NOTES:
1- THE SEAT, FASTENER MOUNTING DEVICES, AND SUPPORTING STRUCTURE MUST BE CAPABLE OF SUPPORTING A VERTICAL OR HORIZONTAL FORCE OF 250 POUNDS APPLIED TO BENCH OR BACK SUPPORT.

SECTION 903

ACCESSIBLE BENCHES
1/2" = 1'-0" — N G103



NOTES:
1. IF KITCHENETTE IS U-SHAPED MUST PROVIDE 60" MIN. CLEAR BETWEEN OPPOSING CABINETS, COUNTERS, OR APPLIANCES.
2. A PARALLEL APPROACH IS ACCEPTABLE IF A COOKTOP OR RANGE IS NOT PROVIDED.

SECTION 804

KITCHENETTE CLEARANCES
3/8" = 1'-0" — P G103

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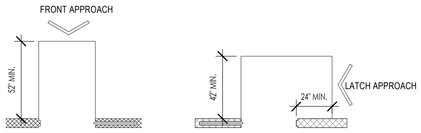
Drawing Issue and Revision Schedule

#	Date	Description

ACCESSIBILITY - PUBLIC SPACES

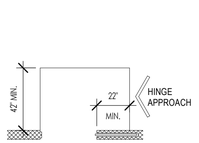
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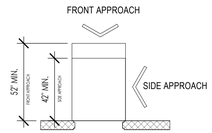


SLIDING AND FOLDING DOORS
FRONT APPROACH

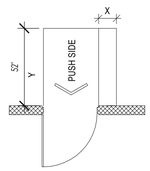
SLIDING AND FOLDING DOORS STOP OR
LATCH APPROACH



SLIDING AND FOLDING DOORS
POCKET OR HINGE APPROACH

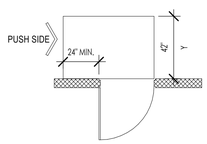


NOTE:
DOORWAYS WITHOUT DOORS THAT ARE LESS THAT 36 INCHES IN WIDTH SHALL HAVE MANEUVERING CLEARANCES AS SHOWN. (ICC/ANSI A117.1 SECTION 404.2.3.3)



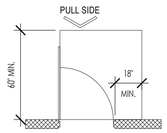
NOTE: X=12" IF DOOR HAS
BOTH CLOSER AND LATCH

B
FRONT APPROACH-SWINGING DOORS
PUSH SIDE

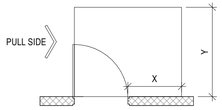


NOTE: Y=48" MIN. IF DOOR
HAS BOTH LATCH AND CLOSER

E
HINGE SIDE APPROACH-SWINGING DOORS
PUSH SIDE

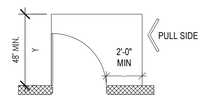


FRONT APPROACH-SWINGING DOORS
PULL SIDE



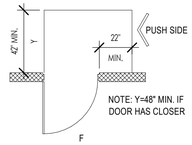
NOTE: IF Y=60", THEN X=36"
IF Y=54", THEN X=42"

D / E
HINGE SIDE APPROACH-SWINGING DOORS
PULL SIDE



NOTE: Y=54" IF DOOR HAS CLOSER

G
LATCH SIDE APPROACH-SWINGING DOORS

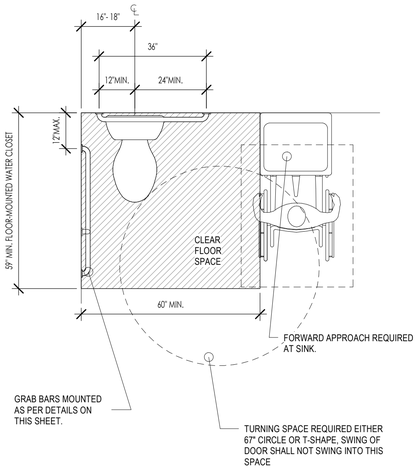


NOTE: Y=48" MIN. IF
DOOR HAS CLOSER

F
LATCH SIDE APPROACH-SWINGING DOORS

ICC/ANSI A117.1-2009 SECTION 404.2.3

MANUEVERING CLEARANCES
1/4" = 1'-0"
C G104



ICC/ANSI FIGURE 604.3

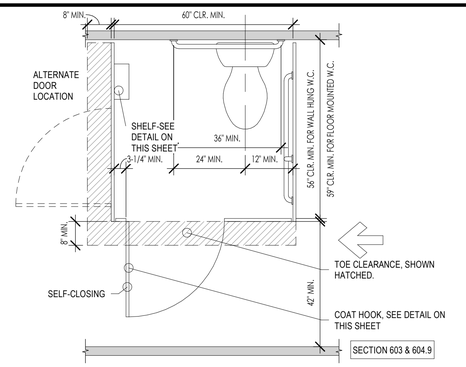
NOTES:

1- 604.3.2 OVERLAP. THE REQUIRED CLEARANCE AROUND THE WATER CLOSET SHALL BE PERMITTED TO OVERLAP THE WATER CLOSET, ASSOCIATED GRAB BARS, PAPER DISPENSERS, SANITARY NAPKIN RECEPTACLES, COAT HOOKS, SHELVES, ACCESSIBLE ROUTES, CLEAR FLOOR SPACE AT OTHER FIXTURES, AND THE TURNING SPACE. NO OTHER FIXTURES OR OBSTRUCTIONS SHALL BE WITHIN THE REQUIRED WATER CLOSET CLEARANCE.

2- 604.6 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL COMPLY WITH SECTION 309. FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET.

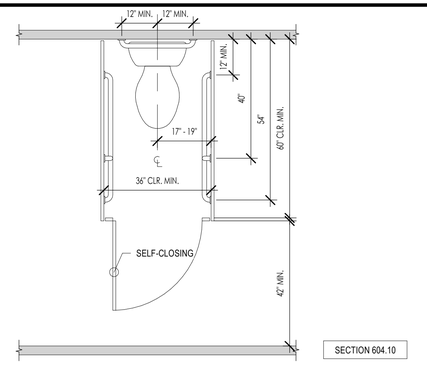
SECTION 603 & 604

PUBLIC WATER CLOSETS
1/2" = 1'-0"
D G104



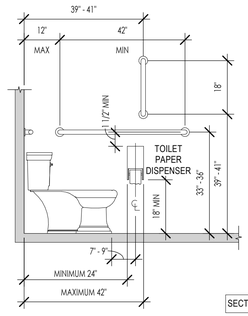
SECTION 603 & 604.9

ACCESSIBLE STALLS
1/2" = 1'-0"
A G104



SECTION 604.10

AMBULATORY ACCESSIBLE STALL
1/2" = 1'-0"
B G104



SECTION 603 & 604.9

ACCESSIBLE STALLS
1/2" = 1'-0"
E G104

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LICENSED ARCHITECT
Lafe Theadore Harris
15 Aug 2024
#6-8878-0301
STATE OF UTAH

THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

Date: 15 Aug 2024
BHD #: 2346
County Parcel: 39-228:0001
Plan Series: G300-MH-11
Owner #: 502-2004

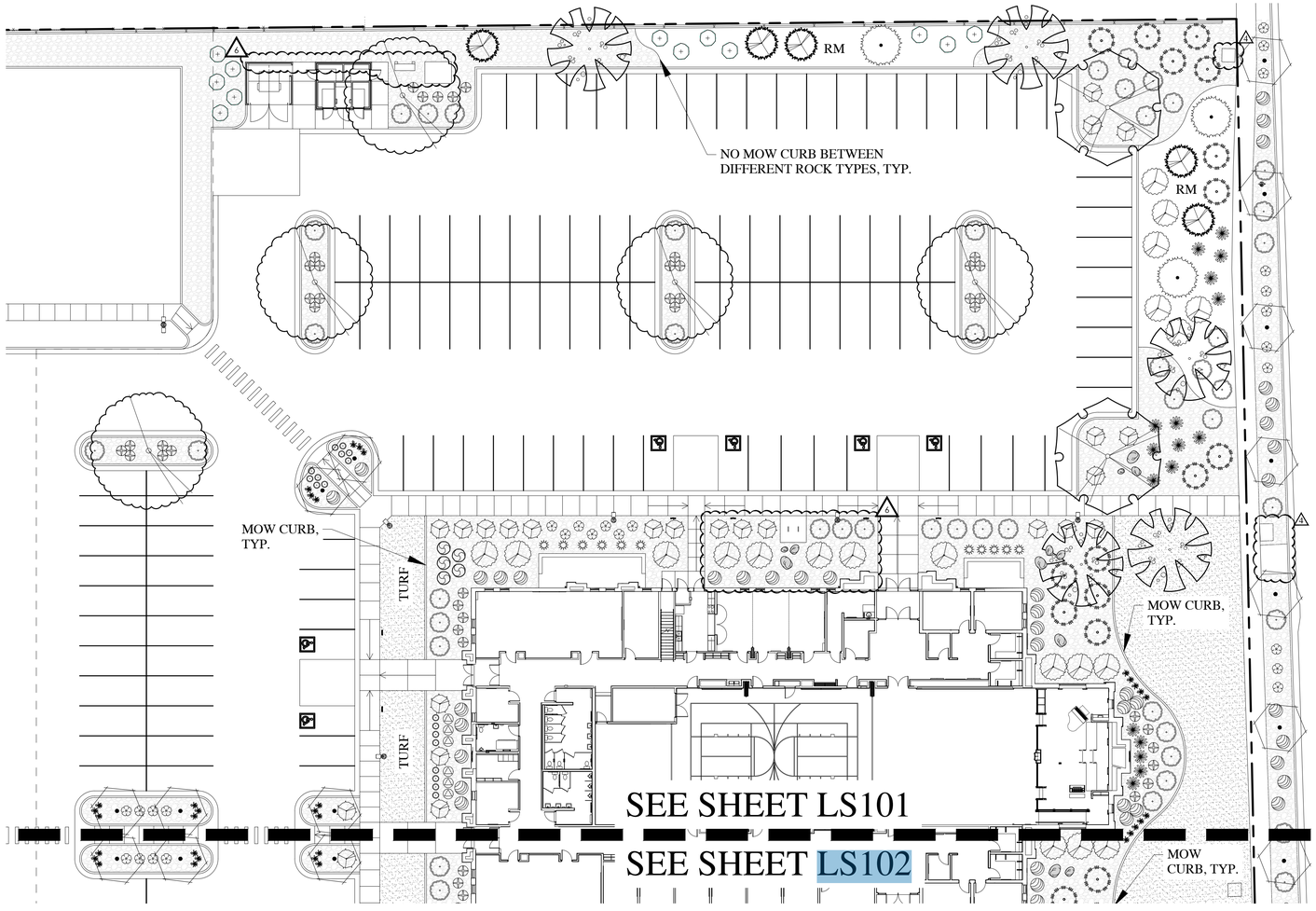
Drawing Issue and Revision Schedule

#	Date	Description

ACCESSIBILITY - PUBLIC SPACES

G104

8/15/2024 1:05:39 PM



BROADLEAF DECIDUOUS LEGEND

SYMBOL	BOTANICAL NAME/COMMON NAME	QTY	SIZE
	ACER MIYABEI 'MORTON' STATE STREET STATE STREET MAPLE	4	2" CAL.
	CARPINUS CAROLINIANA 'RISING FIRE' RISING FIRE AMERICAN HORNBEAM	21	2" CAL.
	CERCIS CANADENSIS EASTERN REDBUD*	9	2" CAL.
	GINGKO BILOBA 'GOLDEN COLONNADE' GOLDEN COLONNADE MAIDENHAIR*	9	2" CAL.
	ZELKOVA SERRATA 'GREEN VASE' GREEN VASE ZELKOVA*	9	2" CAL.

CONIFER / EVERGREEN LEGEND

SYMBOL	BOTANICAL NAME/COMMON NAME	QTY	SIZE
	PICEA OMORIKA SERBIAN SPRUCE*	5	6-7' TALL
	PINUS NIGRA 'OREGON GREEN' OREGON GREEN PINE*	7	6-7' TALL

PERENNIAL LEGEND

SYMBOL	BOTANICAL NAME/COMMON NAME	QTY	SIZE
	HEMEROCALLIS 'STELLA D'ORO' STELLA D'ORO DAYLILY*	30	1 GAL.
	HEMEROCALLIS X 'ROSY RETURNS' ROSY RETURNS DAYLILY*	42	1 GAL.

GRASS LEGEND

SYMBOL	BOTANICAL NAME/COMMON NAME	QTY	SIZE
	CALAMAGROSTIS ACUTIFLORA 'KARL FOERSTER' FEATHER REED GRASS*	23	1 GAL.
	HELICTOTRICHON SEMPERVIRENS 'SAPPHIRE' BLUE OAT AVENA GRASS*	24	1 GAL.

SHRUB LEGEND

SYMBOL	BOTANICAL NAME/COMMON NAME	QTY	SIZE
	ARCTOSTAPHYLOS UVA URSI 'MASSACHUSETTS' MASSACHUSETTS KINNIKINNICK	41	5 GAL.
	BUDDLEIA X 'FLUTTERBY PETITE' DWARF BUTTERFLY BUSH*	117	5 GAL.
	CERCOCARPUS INTRICATUS LITTLELEAF MOUNTAIN MAHOGANY*	12	5 GAL.
	FORSYTHIA X 'COURTASOL' GOLD TIDE FORSYTHIA	10	5 GAL.
	PHYSOCARPUS OPULIFOLIUS 'LITTLE DEVIL' LITTLE DEVIL NINEBARK*	40	5 GAL.
	PINUS MUGO 'SLOWMOUND' SLOWMOUND MUGO PINE*	28	5 GAL.
	PRUNUS BESSEYI 'PAWNEE BUTTES' PAWNEE BUTTES SAND CHERRY*	30	5 GAL.
	RHUS AROMATICA 'GRO-LOW' GRO LOW SUMAC*	28	5 GAL.
	ROSA X 'WEKSCHNEEKOPPE' SNOW PAVEMENT RUGOSA SHRUB ROSES*	40	5 GAL.
	RIBES ALPINUM 'GREEN MOUND' GREEN MOUND CURRANT	63	5 GAL.
	SPIRAEA JAPONICA 'MAGIC CARPET' MAGIC CARPET SPIREA	6	5 GAL.
	SYMPHORICARPOS X CHENAULTII 'HANCOCK' HANCOCK CORALBERRY* (LOW-SPREADING)	30	5 GAL.

DESIGN CRITERIA

ECO-REGION	10.1 NORTHERN COLD DESERT
CLIMATE	U.S. HARDINESS ZONE 5
ZONING ORDINANCE	VINEYARD CITY
WATER AVAILABILITY	NA
SOIL TYPE	NA
SLOPES	SEE GRADING PLAN
WIND	SOUTH PREVAILING
SETBACKS/EASEMENTS	NA
MICROCLIMATES	NA
SOIL PH	NA
LAWN AREA	28% OF TOTAL LANDSCAPE (26,820 SQ. FT.)
UNDEVELOPED	NA
PROPERTY IRRIGATION SYSTEM	AUTOMATED SYSTEM WITH SMART CONTROLLER

LANDSCAPE DATA

TOTAL SITE AREA	415,178 SQ.FT.*		9.5 ACRES
TOTAL LANDSCAPE AREA	95,126 SQ.FT.*		23%
PLANTER AREA	68,306 SQ.FT.		72%
LAWN AREA	26,820 SQ.FT.		28%
TREES ON SITE	174**	TOTAL REQ'D = NA	PROVIDED = 174
		DECIDUOUS REQ'D = NA	PROVIDED = 137
		EVERGREEN REQ'D = NA	PROVIDED = 37
		SHRUBS REQ'D = NA	PROVIDED = 1,450**
		DROUGHT TOLERANT REQ'D = NA	
ADDITIONAL INFO	NA	DROUGHT TOLERANT PROVIDED = 1,304 (80%)	

* PARK STRIP LANDSCAPE OF 7,536 SQ.FT. NOT INCLUDED IN THIS TOTAL
** TREE/PLANTING COUNT INCLUDES OREM 3RD BUILDING SECTION OF SITE

LANDSCAPE NOTES

1. STOCKPILED, SCREENED TOPSOIL TO BE IMPLEMENTED IN ALL PLANTING AREAS AT THE FOLLOWING DEPTHS: 12" IN ALL SHRUB BEDS, 5" IN ALL LAWN AREAS.
2. LAWN TO BE A DESERT SAGE BLUEGRASS BLEND (FROM CHANSHARE SOD) AND BE IMPLEMENTED AS SOD. REFER TO SOD LAYING NOTES FOR MORE INFORMATION.
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5. ALL TREES TO BE STAKED AT TIME OF PLANTING. SEE DETAILS FOR SPECIFICS.
6. PLANTS LOCATED WITHIN REQUIRED SIGHT VISIBILITY TRIANGLES SHALL BE PRUNED REGULARLY TO PERMIT UNOBSTRUCTED VISION. PLANT MATERIAL SHALL BE MAINTAINED TO BE LOWER THAN 3' (SHRUBS) OR TALLER THAN 7' (BOTTOM OF TREE CANOPY).
7. MATERIAL QUANTITIES AND COUNTS ON LEGENDS AND NOTES ARE FOR CONVENIENCE ONLY. LANDSCAPE CONTRACTOR RESPONSIBLE TO VERIFY ALL COUNTS AND QUANTITIES ON PLANS.

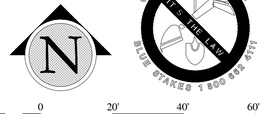
SOD LAYING NOTES

1. LAY SOD WITHIN 24 HOURS OF BEING LIFTED.
2. LAY SOD IN ROWS WITH JOINTS STAGGERED. BUTT SECTIONS CLOSELY WITHOUT OVERLAPPING OR LEAVING GAPS BETWEEN SECTIONS. CUT OUT IRREGULAR OR THIN SECTIONS WITH A SHARP KNIFE.
3. LAY SOD FLUSH WITH ADJOINING EXISTING SODDED OR PAVED SURFACES.
4. AFTER SODDING HAS BEEN COMPLETED, ROLL HORIZONTAL SURFACE AREAS IN TWO DIRECTIONS PERPENDICULAR TO EACH OTHER WITH A 150 POUND SOD ROLLER. REPAIR AND RE-ROLL AREAS WITH DEPRESSIONS, LUMPS OR OTHER IRREGULARITIES. HEAVY ROLLING TO CORRECT IRREGULARITIES IN GRADE IS NOT PERMITTED.
5. WATER ALL SODDED AREAS IMMEDIATELY AFTER SOD LAYING TO OBTAIN MOISTURE PENETRATION THROUGH SOD INTO TOP 4" OF TOPSOIL.
6. PROVIDE ADEQUATE PROTECTION OF SODDED AREAS AGAINST TRESPASSING, EROSION AND DAMAGE OF ANY KIND. REMOVE THIS PROTECTION AFTER SODDED AREAS HAVE BEEN ACCEPTED BY THE OWNER.
7. REPLACE DAMAGED AREAS AT NO ADDITIONAL COST TO OWNER.

GROUNDCOVERS LEGEND

SYMBOL	BOTANICAL NAME/COMMON NAME	QTY	SIZE
	ROCK MULCH TO BE 3/4" - 1" SIZE 'SOUTHTOWN' CRUSHED ROCK FROM UTAH LANDSCAPE ROCK IN NEPHI, UTAH. IMPLEMENT IN AREA SHOWN AT A 3" DEPTH OVER WEED BARRIER FABRIC.	PER PLAN	PER PLAN
RM	ROCK MULCH TO BE 2" - 4" SIZE 'OAK CREEK PLUM' COBBLE ROCK FROM UTAH LANDSCAPE ROCK IN NEPHI, UTAH. IMPLEMENT IN AREA SHOWN AT A 6" DEPTH OVER WEED BARRIER FABRIC.	PER PLAN	PER PLAN
	DESERT SAGE BLUEGRASS FROM CHANSHARE SOD FARMS. INSTALL PER SOD LAYING NOTES	SOD ROLLS	SOD ROLLS
	DECORATIVE LANDSCAPE BOULDERS SIZE: 2', 3' AND 4' BOULDERS (MATCH/COMPLIMENT DECORATIVE ROCK MULCH IN PLANTING AREAS)	PER PLAN	PER PLAN

In Site
DESIGN GROUP
Landscape Architecture Land Planning
17 North 470 West American Fork, Utah 84003
801.756.5043 www.in-sitedesigngroup.com



20' 0 20' 40' 60'

SCALE: 1"=20'-0" ON 24X36 SHEET

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LICENSED LANDSCAPE ARCHITECT
4884514
Cory B. Whiting
8-15-2024
STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

BHD #:	2346
County Parcel:	39-228-0001
Plan Series:	C300-MH-11
Owner #:	502-2004
Date:	15 Aug 2024

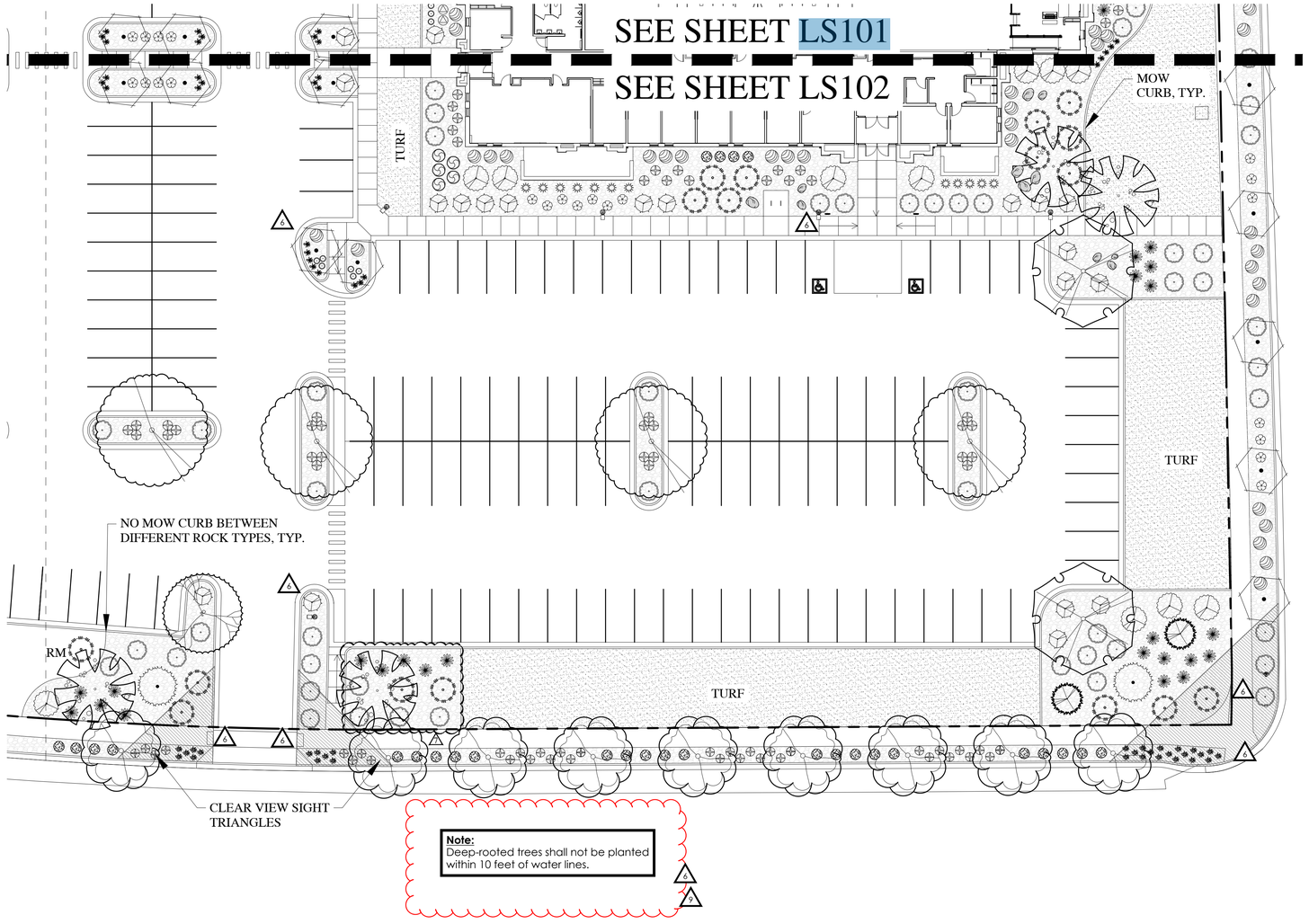
Drawing Issue and Revision Schedule

#	Date	Description
6	18 Jun 2025	Site Plan Review Responses
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3	30 Aug 2024	Addendum #2
2	27 Aug 2024	Addendum #1
1	15 Aug 2024	Bid Documents

LANDSCAPE PLAN

LS101

Printed: 4 Jun 2025 9:35 AM



DESIGN CRITERIA

ECO-REGION	10.1 NORTHERN COLD DESERT
CLIMATE	U.S. HARDINESS ZONE 5
ZONING ORDINANCE	VINEYARD CITY
WATER AVAILABILITY	NA
SOIL TYPE	NA
SLOPES	SEE GRADING PLAN
WIND	SOUTH PREVAILING
SETBACKS/EASEMENTS	NA
MICROCLIMATES	NA
SOIL PH	NA
LAWN AREA	28% OF TOTAL LANDSCAPE (26,820 SQ. FT.)
UNDEVELOPED	NA
PROPERTY IRRIGATION SYSTEM	AUTOMATED SYSTEM WITH SMART CONTROLLER

LANDSCAPE DATA

TOTAL SITE AREA	415,178 SQ.FT.*		9.5 ACRES
TOTAL LANDSCAPE AREA	95,126 SQ.FT.*		23%
PLANTER AREA	68,306 SQ.FT.		72%
LAWN AREA	26,820 SQ.FT.		28%
TREES ON SITE	173**		
		TOTAL REQ'D = NA	PROVIDED = 173
		DECIDUOUS REQ'D = NA	PROVIDED = 126
		EVERGREEN REQ'D = NA	PROVIDED = 12
		SHRUBS REQ'D = NA	PROVIDED = 1,451
		DROUGHT TOLERANT REQ'D = NA	
ADDITIONAL INFO	NA	DROUGHT TOLERANT PROVIDED = 1,305 (80%)	

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	CERCOCARPUS INTRICATUS LITTLELEAF MOUNTAIN MAHOGANY*	12	5 GAL.
	FORSYTHIA X 'COURTASOL' GOLD TIDE FORSYTHIA	10	5 GAL.
	PHYSOCARPUS OPULIFOLIUS 'LITTLE DEVIL' LITTLE DEVIL NINEBARK*	40	5 GAL.
	PINUS MUGO 'SLOWMOUND' SLOWMOUND MUGO PINE*	28	5 GAL.
	PRUNUS BESSEYI 'PAWNEE BUTTES' PAWNEE BUTTES SAND CHERRY*	90	5 GAL.
	RHUS AROMATICA 'GRO-LOW' GRO LOW SUMAC*	28	5 GAL.
	ROSA X 'WEKSCHNEEKOPPE' SNOW PAVEMENT RUGOSA SHRUB ROSES*	40	5 GAL.
	RIBES ALPINUM 'GREEN MOUND' GREEN MOUND CURRANT	63	5 GAL.
	SPIRAEA JAPONICA 'MAGIC CARPET' MAGIC CARPET SPIREA	6	5 GAL.
	SYMPHORICARPOS X CHENAULTII 'HANCOCK' HANCOCK CORALBERRY* (LOW-SPREADING)	31	5 GAL.

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LICENSED LANDSCAPE ARCHITECT
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THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

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Vineyard UT Springwater Stake

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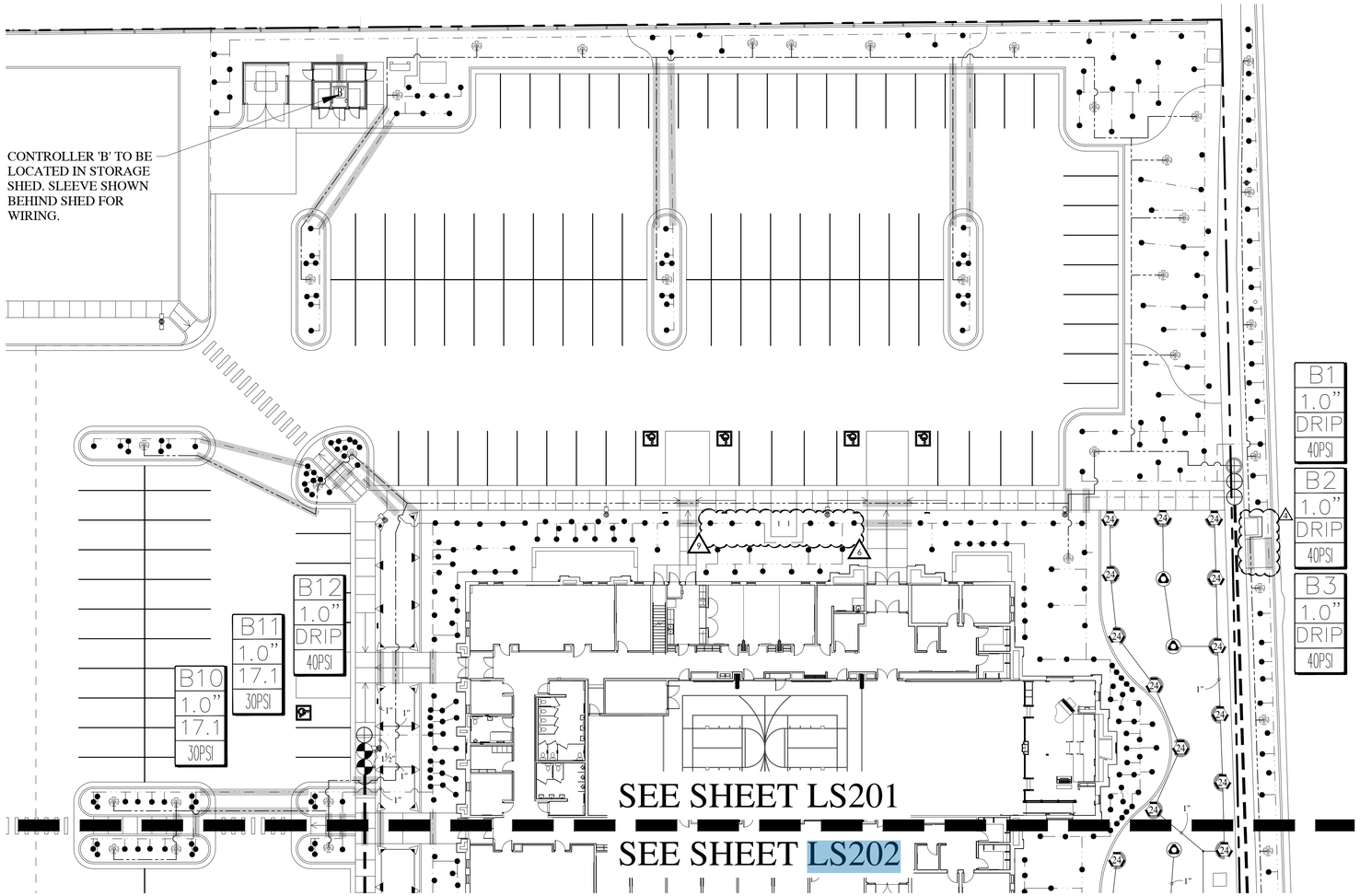
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LANDSCAPE PLAN

LS102

Printed: 7 Aug 2025 1:13 PM



IRRIGATION NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE CITY AND/OR COUNTY CODES. THE CONTRACTOR SHALL APPLY AND PAY FOR ALL NECESSARY PERMITS.
2. CONTRACTOR SHALL HAVE ALL UTILITIES BLUE STAKED BEFORE DIGGING. ANY DAMAGE TO THE UTILITIES SHALL BE REPAIRED AT THE EXPENSE OF CONTRACTOR WITH NO EXTRA COST TO THE OWNER.
3. PROVIDE AN AS-BUILT, REPRODUCIBLE DRAWING TO OWNER SHOWING ALL DRAINS, HEADS, VALVES, AND PIPES. PROVIDE INSTRUCTIONS TO MAINTENANCE PERSONNEL FOR WINTERIZATION. SPRINKLER SYSTEM TO BE BLOWN OUT WITH AN AIR COMPRESSOR EACH FALL.
4. CONTRACTOR IS RESPONSIBLE FOR ENSURING ACCURATE COUNTS AND QUANTITIES OF ALL IRRIGATION MATERIALS FOR BIDDING AND INSTALLATION PURPOSES.
5. CONTRACTOR SHALL BUILD IRRIGATION SYSTEM WITH HEAD TO HEAD COVERAGE FOR ALL LAWN AREAS. HE-VAN AND/OR U-SERIES NOZZLES SHALL BE USED WHERE NECESSARY TO PROVIDED HEAD TO HEAD COVERAGE AND/OR TO MINIMIZE OVER SPRAY ONTO STREETS, SIDEWALKS AND/OR BUILDINGS.
6. LANDSCAPE CONTRACTOR (L.C.) SHALL PROVIDE AND INSTALL SLEEVES FOR ALL PIPES AND WIRES UNDER PAVEMENT AND SIDEWALKS. SLEEVES SHALL BE 2 SIZES LARGER THAN PIPE INSIDE. ALL WIRE SHALL BE IN SEPARATE SLEEVES (NOT SHOWN). PLACE JUNCTION BOXES WHERE NECESSARY TO MINIMIZE LONG RUNS OR AT DIRECTIONAL CHANGES AS NECESSARY.
7. ALL SLEEVES INSTALLED SHALL BE DUCT TAPED TO PREVENT DIRT OR OTHER DEBRIS ENTERING PIPE. ALL SLEEVES SHALL BE IDENTIFIED BY WOOD OR PVC STAKES AND BE SPRAY PAINTED WITH MARKING PAINT. REMOVE STAKES ONCE IRRIGATION SYSTEM IS COMPLETE.
8. MAIN LINE SHALL BE 1.5" (UNLESS OTHERWISE DIRECTED). LATERAL LINES SHALL BE NO SMALLER THAN 1". PIPES SHALL CARRY NO MORE THAN THE FOLLOWING: 1" PIPE MAX. 13 GPM, 1-1/2" PIPE MAX. 30 GPM. ADJUST LOCATION OF MAINLINE AND LATERAL LINES AS NECESSARY IN ORDER TO AVOID PLACING BOULDERS, TREES AND SHRUBS DIRECTLY OVER MAINLINE AND LATERAL LINES.
9. MAIN LINES SHALL BE 18" DEEP MIN. AND LATERAL LINES 12" DEEP MIN. NO ROCK GREATER THAN 3/4" DIAMETER SHALL BE ALLOWED IN TRENCHES.
10. PLACE PIPES, VALVE BOXES AND ALL OTHER SPRINKLER CONSTRUCTION IN LANDSCAPE AREAS. ALL PIPES SHALL BE ON PROPERTY OF OWNER. MODIFY LOCATION OF VALVE BOXES AS NECESSARY IN ORDER TO AVOID TREES AND SHRUBS PER PLANTING PLAN. USE GREEN BOXES IN LAWN AREAS. USE TAN BOXES IN BED AREAS.
11. LANDSCAPE ARCHITECT SHALL VISUALLY INSPECT ALL TRENCHES PRIOR TO BACKFILLING. CONTRACTOR SHALL GIVE LANDSCAPE ARCHITECT MIN. 72 HR. NOTICE BEFORE INSPECTION IS TO BE MADE. CONTRACTOR SHALL PRESSURE TEST MAINLINE FOR LEAKS PRIOR TO BACKFILLING.
12. ALL SPRINKLERS SHALL BE ADJUSTED ON-SITE AS NECESSARY TO AVOID ANY WATER SPRAYING ONTO STREETS, SIDEWALKS AND/OR BUILDINGS.
13. ACTUAL INSTALLATION OF IRRIGATION SYSTEM MAY VARY SOMEWHAT FROM PLANS. CONTRACTOR IS RESPONSIBLE TO MAKE NECESSARY ADJUSTMENTS TO ENSURE PROPER COVERAGE OF ALL LANDSCAPED AREAS.
14. LANDSCAPE CONTRACTOR SHALL MATCH PRECIPITATION RATES AS MUCH AS POSSIBLE FOR ALL LANDSCAPED AREAS.
15. INSTALL ALL HEADS 2" AWAY FROM ALL WALKS AND WALLS. VALVE BOXES SHALL BE INSTALLED SQUARED TO AND 6" MIN. AWAY FROM WALKS AND WALLS.
16. CONTRACTOR TO INSTALL NETAFIM TECHLINE CV TUBING ON-SURFACE DRIP LINE FOR TREES.
17. POWER TO CONTROLLER TO BE PROVIDED BY ELECTRICAL CONTRACTOR. OWNER TO SPECIFY EXACT LOCATION OF CONTROLLER. IF MOUNTED OUTSIDE, CONTROLLER TO BE MOUNTED IN WEATHERPROOF LOCKING WALL MOUNTED CABINET PER MANUFACTURERS INSTRUCTIONS. LANDSCAPE CONTRACTOR SHALL ENSURE THE CONTROLLER IS GROUNDED PER LOCAL CODE AND PER MANUFACTURER SPEC.
18. IF THE STATIC PRESSURE AT THE POINT OF CONNECTION EXCEEDS 100 PSI, INSTALL A BRASS PRESSURE REDUCER IN-LINE WITH THE RPZ PER MANUFACTURER SPECS. INSTALL THE RPZ AND PRESSURE REDUCER IN A LOCKING METAL CABINET. ADJUST PRESSURE AS REQUIRED FOR NORMAL OPERATION OF THE IRRIGATION SYSTEM.
19. VALVE CONTROL WIRING SHALL BE 14 GAUGE COPPER SINGLE STRAND WIRE. WIRE SHALL BE WHITE FOR COMMON AND COLOR FOR CONTROL.
20. INSTALL THE PRS-D OPTION FOR SPRAY VALVES IF THE STATIC PRESSURE AT SPRAY HEADS EXCEEDS 70 PSI. INSTALL THE PRS-D OPTION FOR ROTOR VALVES IF THE STATIC PRESSURE AT ROTOR EXCEEDS 75 PSI.

IRRIGATION LEGEND

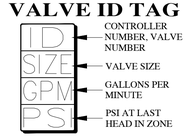
SYMBOL	MANUFACTURER-MODEL NUMBER	PAT.	RD.	PSI	GPM Q	T	H	TT	TQ	F	DRIP GPH	DETAILS	REMARKS
	RAINBIRD XB-PC	FULL	--	40	--	--	--	--	--	--	2.0	18	SEE LEGEND BELOW FOR
	DRIPLINE: NETAFIM TLCV-09-12	FULL	--	40	--	--	--	--	--	--	.9/12"	15-17	ADDITIONAL INFORMATION.
	RAIN BIRD 1806-P45 POP-UP ROTARY 18	FULL	13' - 18'	45	.5	--	--	--	--	1.85	--	20-21	ADJUST NOZZLES AS
	RAIN BIRD 1806-P45 POP-UP ROTARY 24	Q,H,F	17' - 24'	45	.84	--	1.68	--	--	3.48	--	20-21	NEEDED TO KEEP WATER
	RAINBIRD 1806-PRS POP-UP W/15 SERIES NOZZLE	Q,T,H	15'	30	.92	1.23	1.85	--	--	--	--	20-21	OFF SIDEWALK, ASPHALT
	RAIN BIRD 5006-PL-R-SS 25 MPR SERIES NOZZLES	Q,H,F	25'	45	1.00	--	1.98	--	--	3.82	--	22-22	AND BUILDING.
	RAIN BIRD 5006-PL-R-SS 35 MPR SERIES NOZZLES	Q,H,F	35'	45	1.92	--	3.81	--	--	--	--	22-22	
'B'	CONTROLLER: WEATHERTRAK ET PRO3 (WTPRO3-C-12-CWM)											5-7	COORDINATE LOCATION WITH OWNER
	1" RAINBIRD QUICK COUPLER VALVE, MODEL 44-LRC											10	IN 10" RND. VALVE BOX
	1-1/2" WILKENS 375B RPZ BACKFLOW PREVENTOR IN GUARDSHACK ENCLOSURE											4,11	IN STRONGBOX ENCLOSURE
	REMOTE CONTROL VALVE: RAINBIRD PEB-PRS-D AUTOMATIC CONTROL VALVE; SIZE PER PLAN											13	JUMBO VALVE BOX
	DRIP CONTROL ZONE KIT: RAINBIRD XCZ-100-PRB-COM PER PLANS											14	JUMBO VALVE BOX
	DRIP CONTROL ZONE KIT: RAINBIRD XCZ-100-PRB-COM PER PLANS (FOR TREES)											14	JUMBO VALVE BOX
	1-1/2" STOP & WASTE TO BE INSTALLED BY GENERAL CONTRACTOR. SEE CIVIL DRAWINGS.											4,11	BY GENERAL CONTRACTOR
	HYDROMETER: NETAFIM LHM15TG1-MEL (WITH PE-39 FLOW SENSOR CABLE PER WEATHERTRAK SPECS.)											4,9,11	REFERENCE DETAILS
	DRAIN VALVE: GRACO WELD TOP											5, 7	REFERENCE DETAILS
	MAINLINE: 1-1/2" SCH 40 PVC OR OTHERWISE NOTED.											1, 2	REFERENCE DETAILS
	LATERAL LINE FOR ROTORS AND/OR SPRAYS: SCHEDULE 40 PVC											1, 2	REFERENCE DETAILS
	TREE DRIP LATERAL LINE (SIZE AS REQUIRED)											1,2,15,17-18	REFERENCE DETAILS
	SHRUB DRIP LATERAL LINE (SIZE AS REQUIRED)											1,2,15,17-18	REFERENCE DETAILS
	SLEEVE (SIZE TO MIN. 2X DIA. OF PIPE WITHIN THE SLEEVE). ADD ADDITIONAL SLEEVES AS REQ.											3	REFERENCE DETAILS
NOT SHOWN	WIRE CHASE. SIZE TO BE TWICE THE DIA. OF THE WIRE BUNDLE WITHIN DOWN TO 1" DIA. MIN.											1,2	REFERENCE DETAILS
NOT SHOWN	14 GAUGE SOLID COPPER SINGLE STRAND WIRE.											1,2	REFERENCE DETAILS

DRIP EMITTER LEGEND

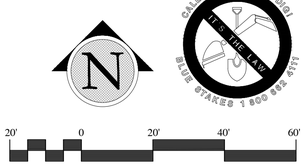
PLANT TYPE	EMITTER QTY	EMITTER TYPE
PERENNIALS/GRASSES	1	XB-20 (2GPH)
ALL SHRUBS	1	XB-10 (2GPH)
TREES IN PLANTER AREAS	1	XB-10 (1GPH)

NOTE:
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3. INSTALL NETAFIM TLCV IN ADDITION TO XB-10 EMITTERS PER DETAILS ON SHEET LS402.

VALVE ID TAG



In Site DESIGN GROUP
Landscape Architecture Land Planning
17 North 470 West American Fork, Utah 84003
801.756.5043 www.in-sitedesigngroup.com



SCALE: 1"=20'-0" ON 24X36 SHEET

bhd ARCHITECTS
www.bhdarchitects.com
Phone 801.571.0010
Fax 801.571.0303
Toll Free 888.571.0010
65 East Wadsworth Park Drive
Suite 205 Draper, Utah 84020

LICENSED LANDSCAPE ARCHITECT # 4884514 Cory B. Whiting 8-15-2024 STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake
Approx. 542 South Geneva Road
Vineyard, Utah 84059

Date: 15 Aug 2024
BHD #: 2346
County Parcel: 39:228:0001
Plan Series: G300-MH-11
Owner #: 502-2004

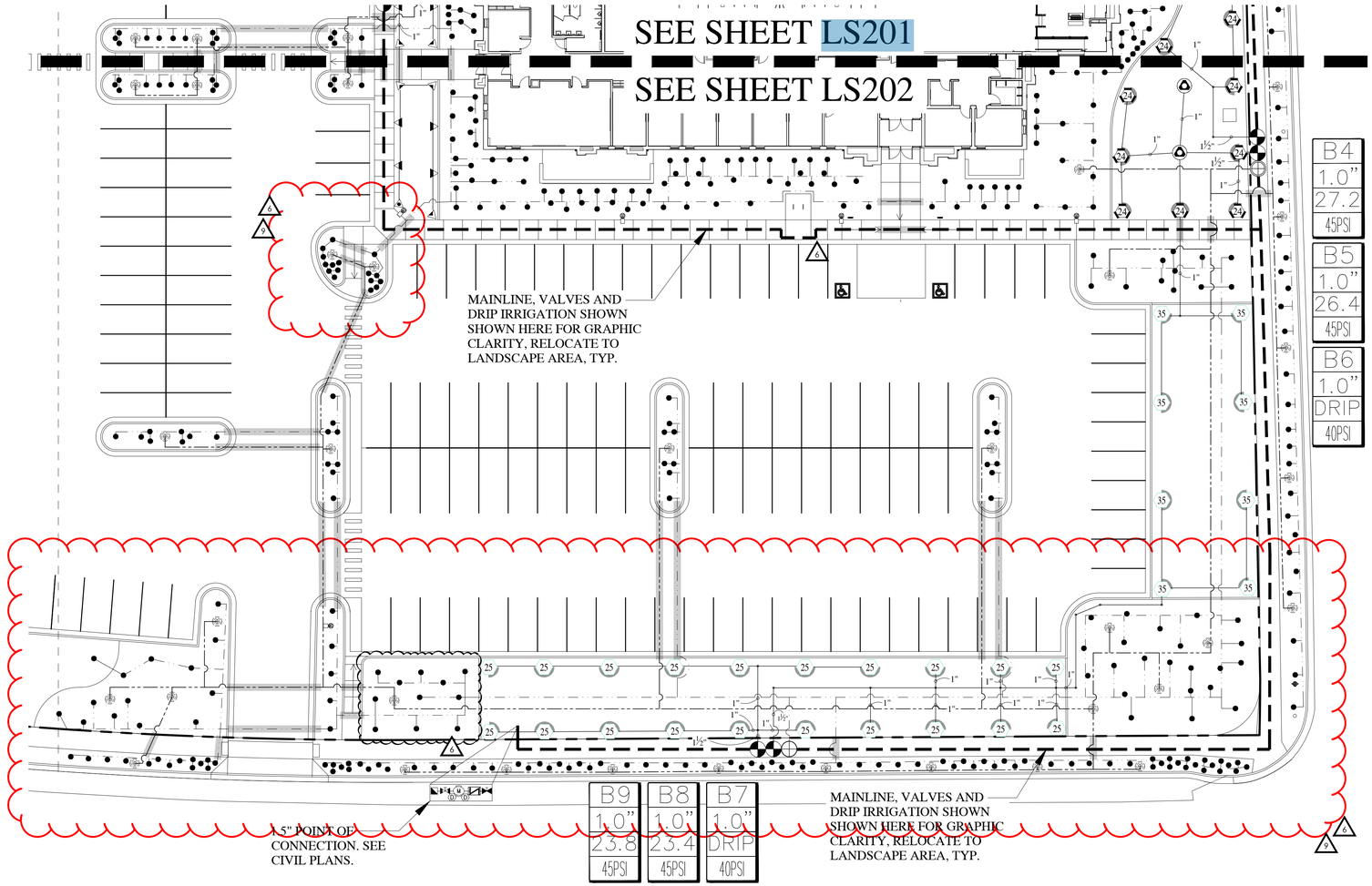
Drawing Issue and Revision Schedule

#	Date	Description
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5	3 Apr 2025	ASI #1
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3	30 Aug 2024	Addendum #2
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1	15 Aug 2024	Bid Documents

IRRIGATION PLAN

LS201

Printed: 4 Jun 2025 9:35 AM



IRRIGATION NOTES

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IRRIGATION LEGEND

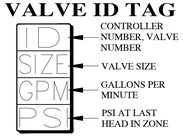
SYMBOL	MANUFACTURER-MODEL NUMBER	PAT.	RD.	PSI	GPM Q	T	H	TT	TQ	F	DRIP GPH	DETAILS	REMARKS
	RAINBIRD XB-PC	FULL	--	40	--	--	--	--	--	--	2.0	18	SEE LEGEND BELOW FOR
	DRIPLINE: NETAFIM TLCV-09-12	FULL	--	40	--	--	--	--	--	--	.9/12"	15-17	ADDITIONAL INFORMATION.
	RAIN BIRD 1806-P45 POP-UP ROTARY 18	FULL	13' - 18'	45	.5	--	--	--	--	1.85	--	20-21	ADJUST NOZZLES AS
	RAIN BIRD 1806-P45 POP-UP ROTARY 24	Q,H,F	17' - 24'	45	.84	--	1.68	--	--	3.48	--	20-21	NEEDED TO KEEP WATER
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25 25 25	RAIN BIRD 5006-PL-R-SS 25 MPR SERIES NOZZLES	Q,H,F	25'	45	1.00	--	1.98	--	--	3.82	--	22-22	AND BUILDING.
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	1-1/2" WILKENS 375B RPZ BACKFLOW PREVENTOR IN GUARDSHACK ENCLOSURE.											4,11	IN STRONGBOX ENCLOSURE
	REMOTE CONTROL VALVE: RAINBIRD PEB-PRS-D AUTOMATIC CONTROL VALVE; SIZE PER PLAN											13	JUMBO VALVE BOX
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	HYDROMETER: NETAFIM LHM15TG1-MEL (WITH PE-39 FLOW SENSOR CABLE PER WEATHERTRAK SPECS.)											4,9,11	REFERENCE DETAILS
	DRAIN VALVE: GRACO WELD TOP											5, 7	REFERENCE DETAILS
	MAINLINE: 1-1/2" SCH 40 PVC OR OTHERWISE NOTED.											1, 2	REFERENCE DETAILS
	LATERAL LINE FOR ROTORS AND/OR SPRAYS: SCHEDULE 40 PVC											1, 2	REFERENCE DETAILS
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DRIP EMITTER LEGEND

PLANT TYPE	EMITTER QTY	EMITTER TYPE
PERENNIALS/GRASSES	1	XB-20 (2GPH)
ALL SHRUBS	1	XB-20 (2GPH)
TREES IN PLANTER AREAS	1	XB-10 (1GPH)

NOTE:
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VALVE ID TAG



In Site DESIGN GROUP
Landscape Architecture Land Planning
17 North 470 West American Fork, Utah 84003
801.756.5043 www.in-sitedesigngroup.com

bhd ARCHITECTS
www.bhdarchitects.com
Phone 801.571.0010
Fax 801.571.0303
Toll Free 888.571.0010
65 East Wadsworth Park Drive
Suite 205 Draper, Utah 84020

LICENSED LANDSCAPE ARCHITECT # 4884514 Cory B. 8-15-2024

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake
Approx. 542 South Geneva Road
Vineyard, Utah 84059

Date: 15 Aug 2024
BHD #: 2346
County Parcel: 39-228-0001
Plan Series: G300-MH-11
Owner #: 502-2004

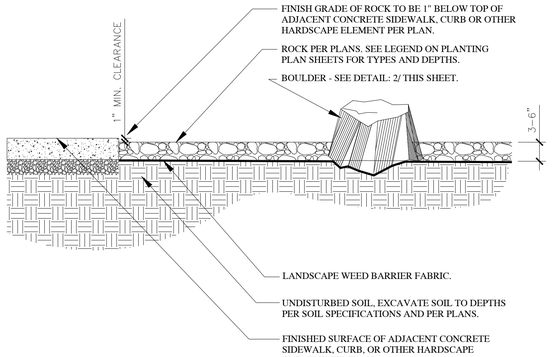
Drawing Issue and Revision Schedule

#	Date	Description
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5	3 Apr 2025	ASI #1
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1	13 Aug 2024	Bid Documents

IRRIGATION PLAN

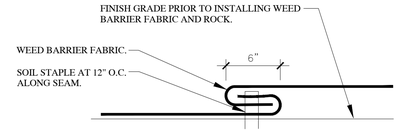
LS202

Printed: 7 Aug 2025 1:13 PM

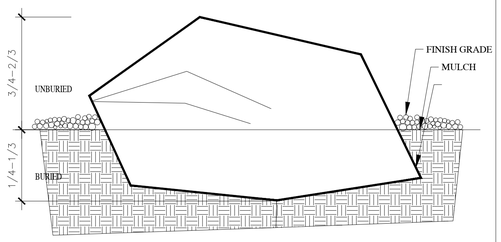


NOTES:
1. ROCK SHALL BE SCREENED & DOUBLE WASHED AND BE FREE OF DEBRIS PRIOR TO INSTALLATION. IF ROCK SUPPLIER DOES NOT HAVE A WASH PLANT, THE LANDSCAPE CONTRACTOR SHALL STILL BE RESPONSIBLE FOR DOUBLE WASHING ALL ROCK AND BOULDERS PRIOR TO INSTALLATION.
2. INSTALL PRE-EMERGENT HERBICIDE TO THE TOP OF THE FABRIC AFTER INSTALLING PLANTS AND PRIOR TO INSTALLING MULCH. AFTER INSTALLATION OF THE MULCH THE CONTRACTOR SHALL EVENLY BROADCAST A SECOND APPLICATION OF SLOW-RELEASE PRE-EMERGENT HERBICIDE. APPLY PRE-EMERGENT HERBICIDE PER MANUFACTURERS RECOMMENDATIONS.
3. KEEP TOP OF ROCK 1"-1½" BELOW ADJACENT WALKS AND CURBS. DO NOT ALLOW ROCK TO TOUCH THE TRUNK OF ANY PLANT. INSTALL ROCK AFTER INSTALLATION OF WEED BARRIER FABRIC AND PLANT MATERIAL.
4. CONTRACTOR TO ENSURE THAT TOP OF WEED BARRIER FABRIC IS FREE OF SOILS AND DEBRIS PRIOR TO PLACING ROCK.
5. SEE LANDSCAPE PLANS FOR ROCK TYPE AND DEPTH.

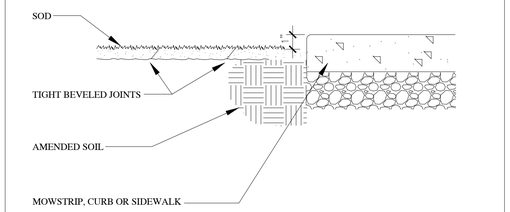
WEED FABRIC NOTE:
INSTALL 6" SOIL STAPLE IN WEED BARRIER FABRIC AT 5' O.C. TRIANGULAR SPACING. INSTALL 6" SOIL STAPLE AT 12" O.C. ALONG ALL WEED BARRIER FABRIC SEAMS. OVERLAP FABRIC MIN. OF 6" AT ALL SEAMS AS SHOWN BELOW. INSTALL SOIL STAPLE 6' O.C. ALONG EDGES & 2 AT EACH CORNER.



1 ROCK AND WEED BARRIER FABRIC WITH BOULDER
SCALE: NTS

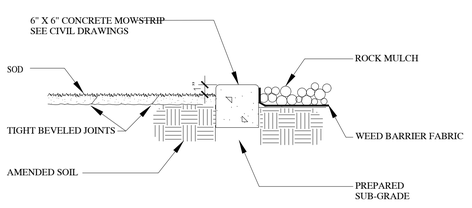


2 BOULDER PLACEMENT DETAIL
SCALE: NTS

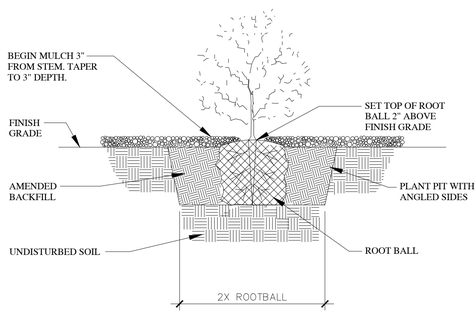


3 SOD INSTALLATION
SCALE: NTS

NOTES:
1. MOWSTRIP TO BE CAST-IN-PLACE AND POURED USING TYPICAL WEIGHT STRUCTURAL CONCRETE.
2. CONTRACTOR TO ENSURE POSITIVE DRAINAGE AROUND MOWSTRIPS-DO NOT CREATE A DAM EFFECT WITH PLACEMENT OF MOWSTRIP.
3. MAXIMUM 1/2" WIDTH VARIATION.
4. PRECISELY FOLLOW LAYOUT AS SHOWN ON MOWSTRIP/EDGING PLAN.

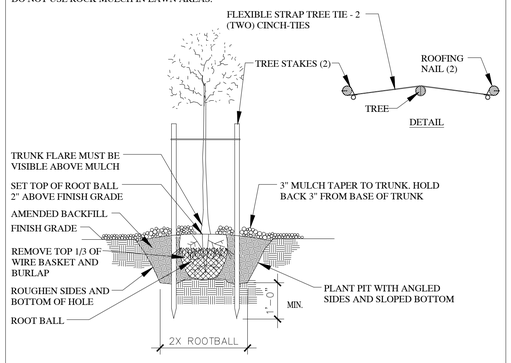


4 CONCRETE MOWSTRIP
SCALE: NTS

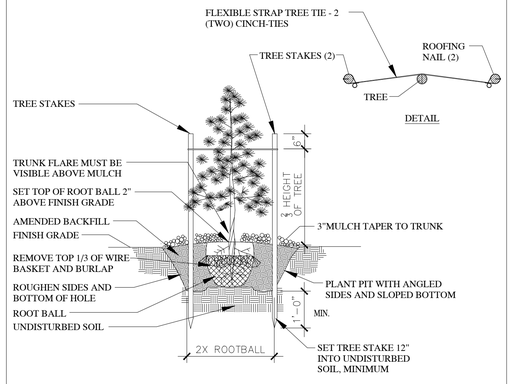


5 SHRUB PLANTING
SCALE: NTS

NOTE:
DO NOT USE ROCK MULCH IN LAWN AREAS.



6 TREE PLANTING AND STAKING
SCALE: NTS



7 CONIFER PLANTING AND STAKING
SCALE: NTS

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4884514
Cory B. Whiting
8-15-2024
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Vineyard UT Springwater Stake

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Date: 15 Aug 2024
BHD #: 2346
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Plan Series: G300-MH-11
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Drawing Issue and Revision Schedule

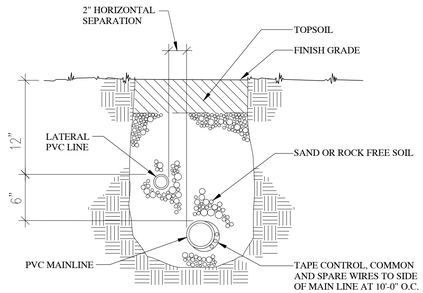
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LANDSCAPE DETAILS

LS301

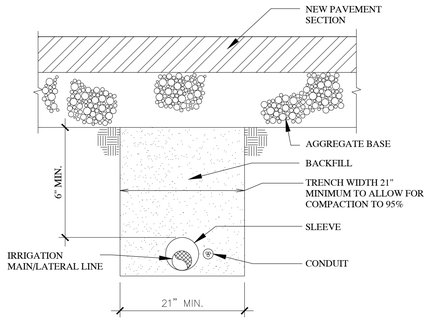
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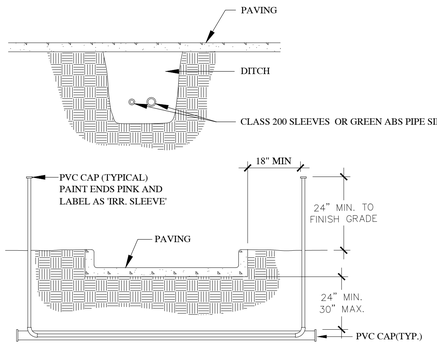
1 TRENCH SECTION - CONVENTIONAL WIRE SYS.

SCALE: NTS



2 MISC. PIPE TRENCH: NEW PAVEMENT AREAS

SCALE: NTS

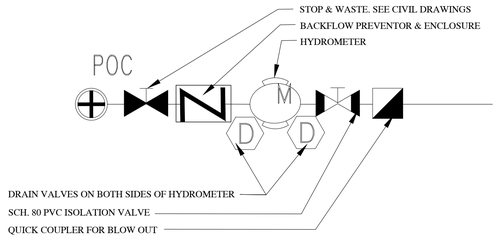


NOTE:
1. WHERE THERE IS MORE THAN ONE SLEEVE, EXTEND THE SMALLER SLEEVE TO 24-INCHES MINIMUM ABOVE FINISH GRADE.
2. ALL SLEEVES INSTALLED SHALL BE DUCT TAPED TO PREVENT DIRT OR OTHER DEBRIS ENTERING PIPE. ALL SLEEVES SHALL BE IDENTIFIED BY WOOD OR PVC STAKES AND BE SPRAY PAINTED WITH MARKING PAINT. REMOVE STAKES ONCE IRRIGATION SYSTEM IS COMPLETE.

3 SLEEVING

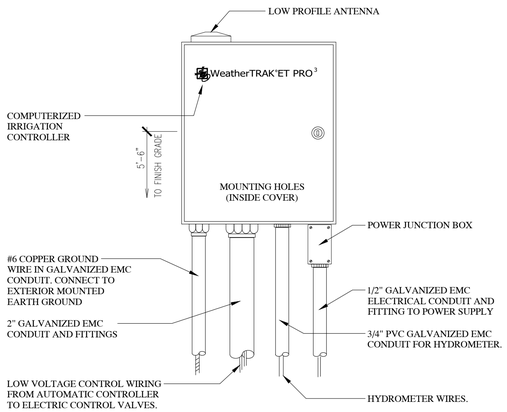
SCALE: NTS

NOTE:
INSTALL ISOLATION VALVE AFTER THE HYDROMETER AND BEFORE THE QUICK COUPLER. THE HYDROMETER IS TO BE DRAINED MANUALLY.



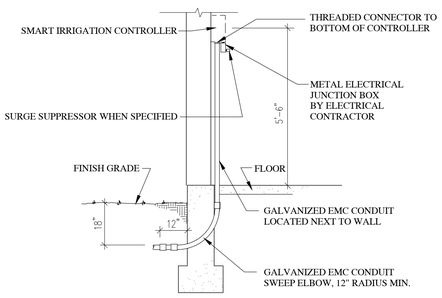
4 POC W/BACKFLOW SCHEMATIC LAYOUT

SCALE: NTS



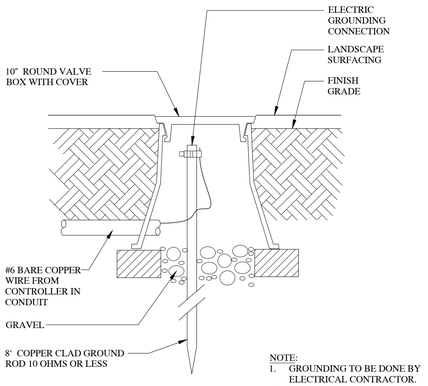
5 SMART CONTROLLER - WEATHER TRAK

SCALE: NTS



6 IRRIGATION CONTROLLER - INTERIOR MOUNT

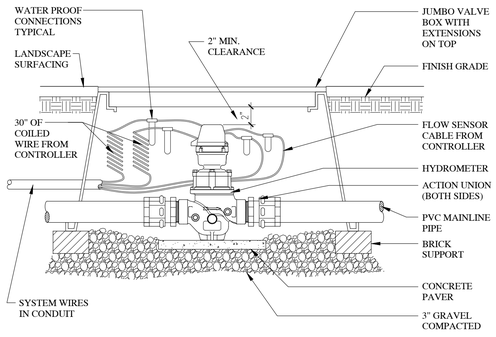
SCALE: NTS



NOTE:
1. GROUNDING TO BE DONE BY ELECTRICAL CONTRACTOR.
2. SEE ELECTRICAL PLANS.

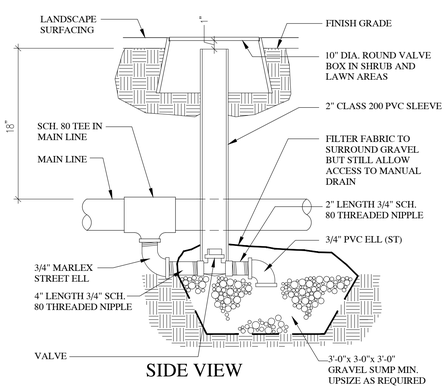
7 LIGHTNING GROUNDING ROD

SCALE: NTS

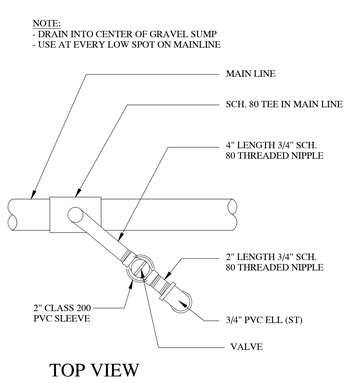


8 HYDROMETER

SCALE: NTS

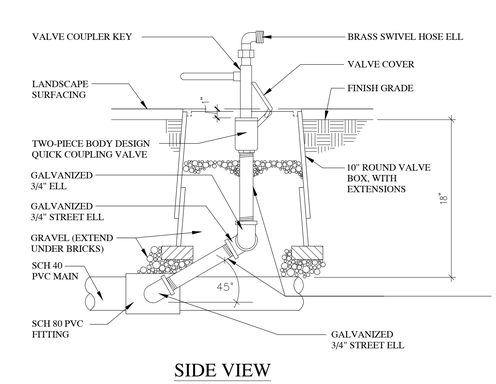


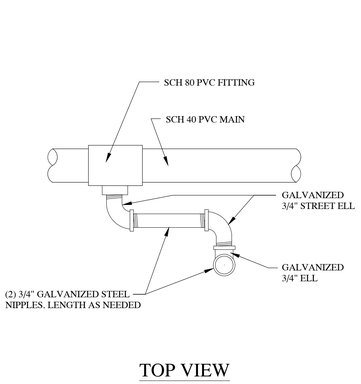
NOTE:
- DRAIN INTO CENTER OF GRAVEL SUMP
- USE AT EVERY LOW SPOT ON MAINLINE



9 MAINLINE MANUAL DRAIN VALVE

SCALE: NTS





10 QUICK COUPLING VALVE

SCALE: NTS

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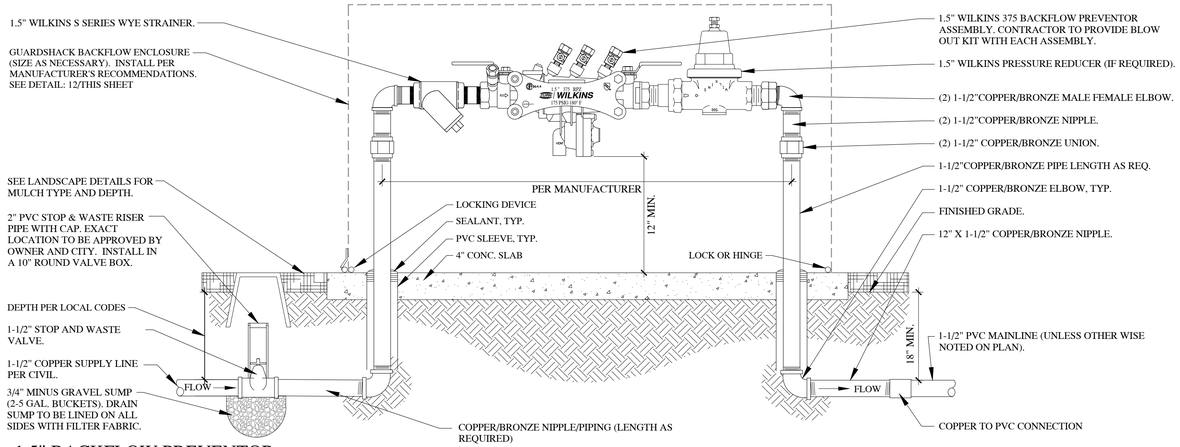
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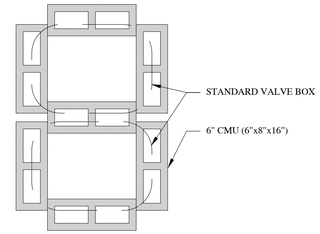
11 1.5" BACKFLOW PREVENTOR

SCALE: NTS

BACKFLOW PREVENTOR NOTES:

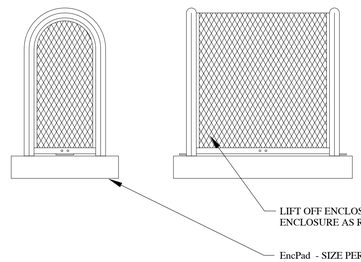
1. EQUIPMENT TO BE INSTALLED AT A MINIMUM OF 24" FROM ANY STRUCTURES OR HARDSCAPING.
2. WHEN UNIT IS NEXT TO STRUCTURE (i.e. WALL BUILDING, ETC.) MOUNT TEST COCKS ON SIDE AWAY FROM STRUCTURE.
3. PROVIDE OWNER WITH COMPLETE WRITTEN INSTRUCTIONS ON HOW TO DRAIN ENTIRE BACKFLOW UNIT TO PREVENT FREEZING. CONTRACTOR TO PROVIDE BLOW OUT KIT FROM MANUFACTURER.
4. CONTRACTOR SHALL PROVIDE ALL MATERIALS NECESSARY FOR PROPER RPZ INSTALLATION.
5. RPZ TO BE WINTERIZED AS NECESSARY TO PREVENT FREEZING. INSULATION IS REQUIRED TO PREVENT RPZ FROM FREEZING TEMPERATURES BEFORE SYSTEM IS BLOWN OUT FOR THE SEASON. CONTRACTOR SHALL INSTALL INSULATION BLANKET FOR RPZ.
6. WHERE CORROSION IS POSSIBLE, USE A DIELECTRIC UNION WHEREVER A COPPER-BASED METAL (COPPER, BRASS, BRONZE) IS JOINED TO AN IRON-BASED METAL (IRON, GALVANIZED STEEL, STAINLESS STEEL).
7. CONTRACTOR SHALL TEST WATER SUPPLY TO ENSURE THERE IS AT LEAST 90 PSI AND 23 GPM AVAILABLE AT THE POC PRIOR TO BEGINNING WORK ON THE SYSTEM.
8. PROVIDE DEDUCTIVE BID ALTERNATE TO REDUCE BACKFLOW, PRESSURE REDUCER AND Y STRAINER 1" VS. 1-1/2" WITH ASSOCIATED REDUCER FITTINGS.

NOTES:
1. VALVE BOX TO REST ON (4) CMU BLOCKS (ONE FOR EACH SIDE).
2. CLUSTERED VALVE BOXES MAY SHARE A CMU BLOCK.



12 CMU PLACEMENT

SCALE: NTS



GUARDSHACK GENERAL SPECIFICATIONS

1. ALL PIPE SHALL BE 1 ¼" SCHEDULE 40 A.S.T.M. A-53 GRADE A- ELECTRIC WELD PIPE.
2. ANGLE IRON SHALL BE 1" X 1" X ⅛" STEEL.
3. EXPANDED METAL SHALL BE ½" SPACING X # 13 GA. FLATTENED DIAMOND PATTERN STEEL.
4. THERE SHALL BE NO EXPOSED ENDS OF EXPANDED METAL ON THE OUTSIDE OF THE ENCLOSURE.
5. WELDING SHALL BE A MINIMUM OF ¼" LONG WELDS ON 4" SPACING.
6. STANDARD MOUNTING BRACKETS SHALL BE WELDED ON EACH END OF LIFT OFF ENCLOSURES.
7. ONE BRACKET ON HINGED UNITS SHALL BE WELDED ON END OPPOSITE HINGES.
8. HARDWARE KITS PROVIDED FOR MOUNTING ENCLOSURES.
9. ALL HARDWARE SHALL BE SECURELY ATTACHED TO ENCLOSURES.
10. ALL ENCLOSURES SHALL WITHSTAND A MINIMUM OF 200 LBS. PER SQUARE FOOT WITHOUT ANY PERMANENT DEFLECTION OR DISTORTION.
11. 3/8" SPACING BETWEEN ANGLE IRON FRAMEWORK OF ENCLOSURE AND SLAB TO PREVENT RUSTING. ONLY PIPE ENDS TO TOUCH SLAB.

POWDER COATED UNITS

PRE-POWDERCOAT TREATMENT PROCESS
CLEAN GUARDSHACK UNIT WITH A S-44 ALKALINE CLEANER, OVERFLOW RINSE, APPLY AN AC-8115 IRON PHOSPHATE TREATMENT, OVERFLOW RINSE AND FINISH WITH A #198 SEALER RINSE TO PREVENT RUSTING AND IMPROVE ADHESION.

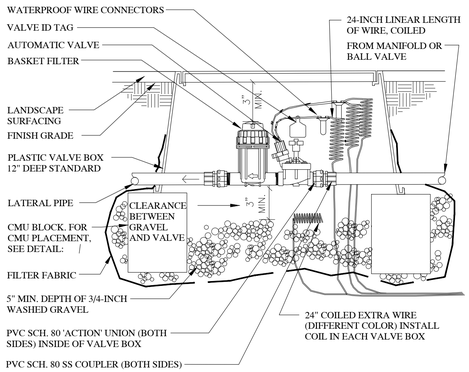
POWDER COAT TREATMENT PROCESS
UNITS SHALL BE PREHEATED AND COATED BY ELECTROSTATIC APPLICATION OF 2.0 TO 3.5 MIL THICKNESS ON ALL SURFACES. POWDER SHALL BE RAL 1019 WOODLANDS TAN OR TCI 8810-6058 FOREST GREEN OR APPROVED EQUAL IMPACT RESISTANCE FINISH 160 INCH POUNDS DIRECT 160 INCH POUNDS REVERSE, PER ASTM D-2794 SPECS. GLOSS FINISH >85, PER ASTM D-523. ADHESION TO BE RATED EXCELLENT WHEN TESTED TO ASTM D-3359 STANDARDS.

NOTE:
1. ENCLOSURE IS AVAILABLE THROUGH:
   BPDI-GUARDSHACK ENCLOSURES
   3831 E. GROVE STREET
   PHOENIX, ARIZONA 85040
   (602) 426-1002
2. CONTRACTOR TO PROVIDE A LOCK TO OWNER UPON INSTALLATION.
3. REFERENCE RPZ DETAIL FOR BACKFLOW INSTALLATION.
4. UPSIZE ENCLOSURE IF NECESSARY.
5. OWNER TO DETERMINE POWDER COAT COLOR PRIOR TO ORDERING UNIT.

13 STANDARD GUARD SHACK ENCLOSURE

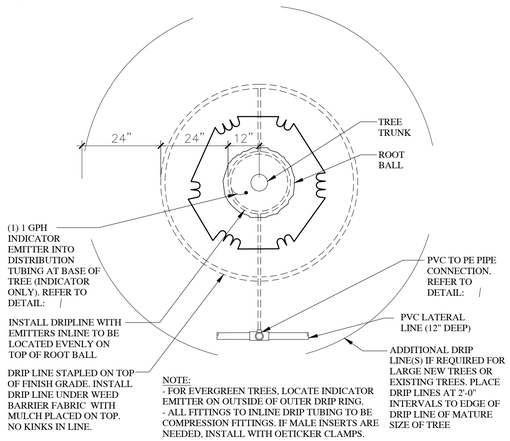
SCALE: NTS

NOTES:
1. LIMIT 1 VALVE PER BOX.
2. 10" MIN. LATERAL LINE DEPTH AT VALVE BOX, 12" MIN. LATERAL LINE DEPTH EVERYWHERE ELSE.
3. PROVIDE MIN. 2" CLEARANCE BETWEEN WIRE AND CMU BLOCK.



14 DRIP VALVE SECTION - CONVENTIONAL WIRE

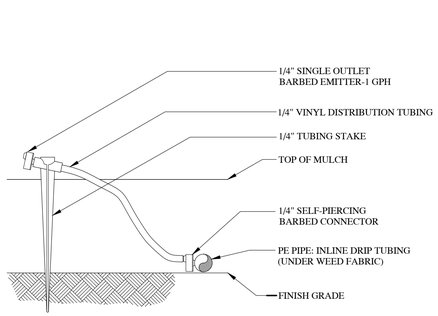
SCALE: NTS



NOTE:
- FOR EVERGREEN TREES, LOCATE INDICATOR EMITTER ON OUTSIDE OF OUTER DRIP RING.
- ALL FITTINGS TO INLINE DRIP TUBING TO BE COMPRESSION FITTINGS. IF MALE INSERTS ARE NEEDED, INSTALL WITH OETICKER CLAMPS.

15 TREE DRIP - PLAN VIEW (PLANTER AREAS)

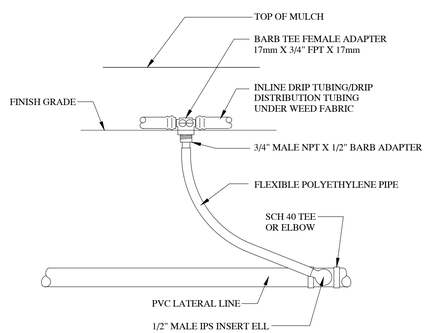
SCALE: NTS



NOTE:
1. CONNECT EMITTER DIRECTLY INTO IN-LINE DRIP TUBING.
2. THIS IS AN INDICATOR ONLY EMITTER TO BE USED AT EACH TREE RING AND AREA WHERE IN-LINE TUBING IS INSTALLED.
3. 1/4" TUBING LENGTH: MINIMUM 14", MAXIMUM 24".
4. REFER TO DETAIL 15 ON THIS SHEET.

16 INDICATOR EMITTER

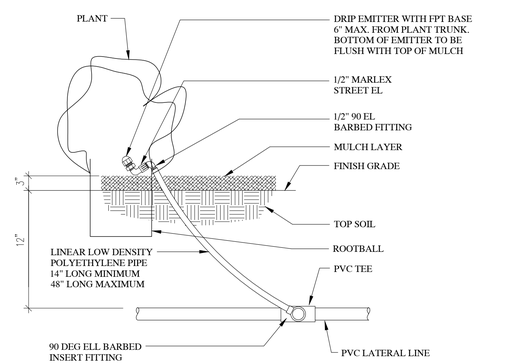
SCALE: NTS



NOTES:
1. USE AT TREE RINGS ONLY.
2. LIMIT 1 VALVE PER BOX.
3. 10" MIN. LATERAL LINE DEPTH AT VALVE BOX, 12" MIN. LATERAL LINE DEPTH EVERYWHERE ELSE.
4. PROVIDE MIN. 2" CLEARANCE BETWEEN CONDUIT AND CMU BLOCK.

17 PVC TO BE PIPE CONNECTION

SCALE: NTS



NOTE: LOCATE EMITTER ON BLDG OR FENCE SIDE OF PLANT.

18 DRIP EMITTER INSTALLATION

SCALE: NTS

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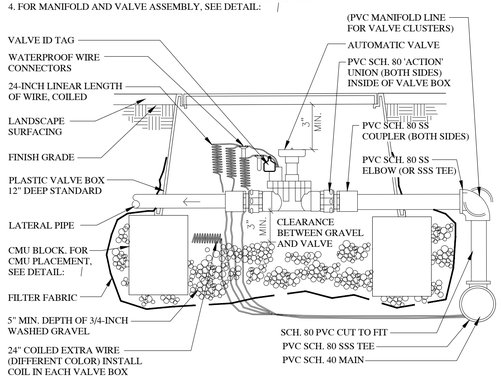
IRRIGATION DETAILS

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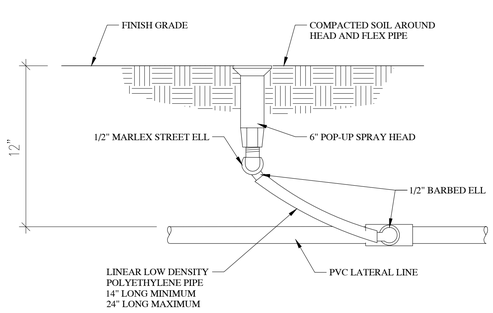
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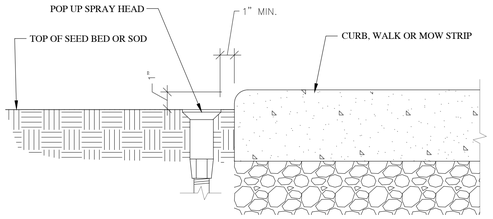
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2. 10" MIN. LATERAL LINE DEPTH AT VALVE BOX, 12" MIN. LATERAL LINE DEPTH EVERYWHERE ELSE.
3. PROVIDE MIN. 2" CLEARANCE BETWEEN WIRE AND CMU BLOCK.
4. FOR MANIFOLD AND VALVE ASSEMBLY, SEE DETAIL:



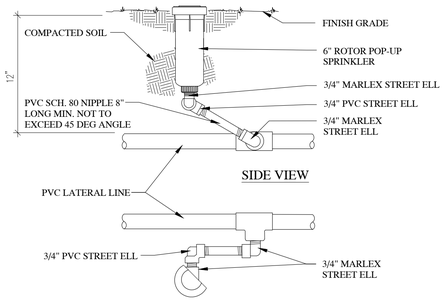
19 AUTOMATIC VALVE - CONVENTIONAL WIRE
SCALE: NTS



20 SPRAY AND ROTARY HEAD ASSEMBLY
SCALE: NTS



21 SPRAY HEAD OR ROTOR NEXT TO CURB / WALK
SCALE: NTS



22 ROTOR POP-UP HEAD
SCALE: NTS

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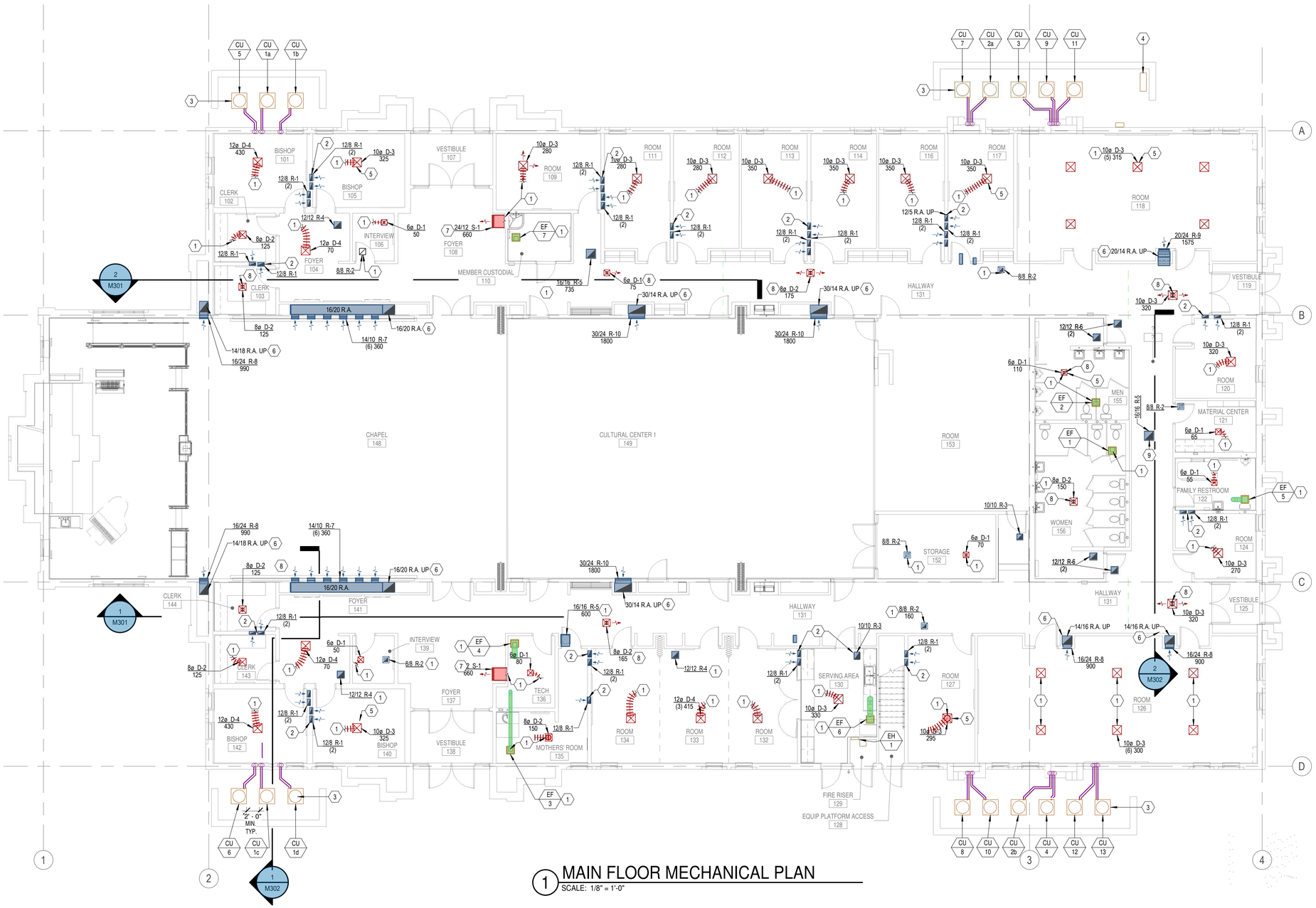
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1 MAIN FLOOR MECHANICAL PLAN

SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. DRAWINGS SHOW GENERAL ARRANGEMENT OF PIPING, DUCTWORK, EQUIPMENT, ETC. FOLLOW AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND WORK OF OTHER TRADES WILL PERMIT. BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, AND ACCESSORIES THAT MAY BE REQUIRED. INVESTIGATE STRUCTURAL AND FINISH CONDITIONS AFFECTING THIS WORK AND ARRANGE WORK ACCORDINGLY. PROVIDE SUCH FITTINGS, VALVES, AND ACCESSORIES REQUIRED TO MEET CONDITIONS.
2. ALL DUCT DIMENSIONS SHOWN ARE CLEAR DIMENSIONS INSIDE DUCT LINER.
3. DO NOT USE LINER INSIDE RETURN AIR DUCT RISERS IN 2"X6" WALLS OF PERIMETER ROOMS.
4. WRAP ALL OUTSIDE AIR DUCTS WITH EXTERNAL INSULATION.
5. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF GRILLES AND DIFFUSERS.
6. ALL PVC EQUIPMENT VENTS, PLUMBING VENTS, AND PENTHOUSE EXHAUST VENTS SHALL BE PAINTED TO MATCH ROOF COLOR.
7. MOUNT ALL DUCT SMOKE DETECTORS IN RETURN AIR STREAM ONLY. DO NOT MOUNT DOWNSTREAM OF MINIMUM OUTSIDE AIR CONNECTION.
8. DO NOT ROUTE PIPES ABOVE ELECTRICAL PANELS. MAINTAIN CLEAR ACCESS SPACE IN FRONT OF ALL ELECTRICAL PANELS 4'-0" DEEP AND 6'-8" HIGH.
9. SEE SHEET M102 FOR CONTINUATION OF ALL DUCT RISERS.
10. COORDINATE WITH NATURAL GAS PIPING MAIN. SEE SHEET P102.

(#) KEYED NOTES

1. REFER TO SHEET M102 FOR CONTINUATION.
2. 12"X5" UNLINED RA DROP DOWN IN WALL TO R-1 RETURN AIR GRILLE. TYPICAL. REFER TO ARCHITECTURAL DETAILS FOR DUCT DROPS LOCATED IN ACOUSTICAL WALLS.
3. COMPRESSOR UNIT. PROVIDE MINIMUM 2'-0" CLEAR ALL AROUND. PROVIDE 30" MINIMUM CLEARANCE AT SERVICE SIDE. REFER TO SHEET M501 FOR REFRIGERANT PIPING SCHEME AND DETAILS. TYPICAL FOR ALL UNITS.
4. GAS METER LOCATION. PROVIDE 3'-0" MINIMUM CLEAR TO COMPRESSOR UNIT.
5. ALL CEILING DIFFUSERS ARE 4-WAY BLOW UNLESS SHOWN OTHERWISE. TYPICAL.
6. DUCT DROP IN CHASE.
7. SIDEWALL SUPPLY GRILLE IS MOUNTED HIGH ON THE WALL NEAR THE CEILING. REFER TO ARCHITECTURAL ELEVATION PLANS FOR EXACT PLACEMENT.
8. INSTALL RIGID DUCT THROUGH FLOOR TO DIFFUSER. SEAL AT FLOOR PENETRATION. SEE SHEET M102 FOR CONTINUATION.
9. COORDINATE EXACT LOCATION WITH STRUCTURAL HEADER FLOOR JOISTS IF REQUIRED.

LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	BRANCH DUCT TAKE-OFF SEE DETAIL A/M502		BDD - (BACK DRAFT DAMPER)	SA	SUPPLY AIR
				RA	RETURN AIR/RELIEF AIR TO ERV's
	SINGLE THICKNESS TURNING VANES		MANUAL VOLUME DAMPER	OA	OUTSIDE AIR
				TA	TRANSFER AIR
	DUCT TRANSITION		FLEX. CONNECTION 6'-0" MAX LENGTH - SEE DETAIL F/M502	FA	FRESH AIR (ERV LABEL)
				EA	EXHAUST AIR
	MOTORIZED DAMPER	SD-1	DUCT SMOKE DETECTOR. INSTALL 12x12 ACCESS DOOR AT ALL LOCATIONS	AF	ABOVE FLOOR
				SL UP	SLOPE UP OR DN

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THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

Owner #: 502-2004
Plan Series: G300-MH-11
County Parcel: 39-228-0001
BHD #: 2346
Date: 15 Aug 2024

Drawing Issue and Revision Schedule

#	Date	Description

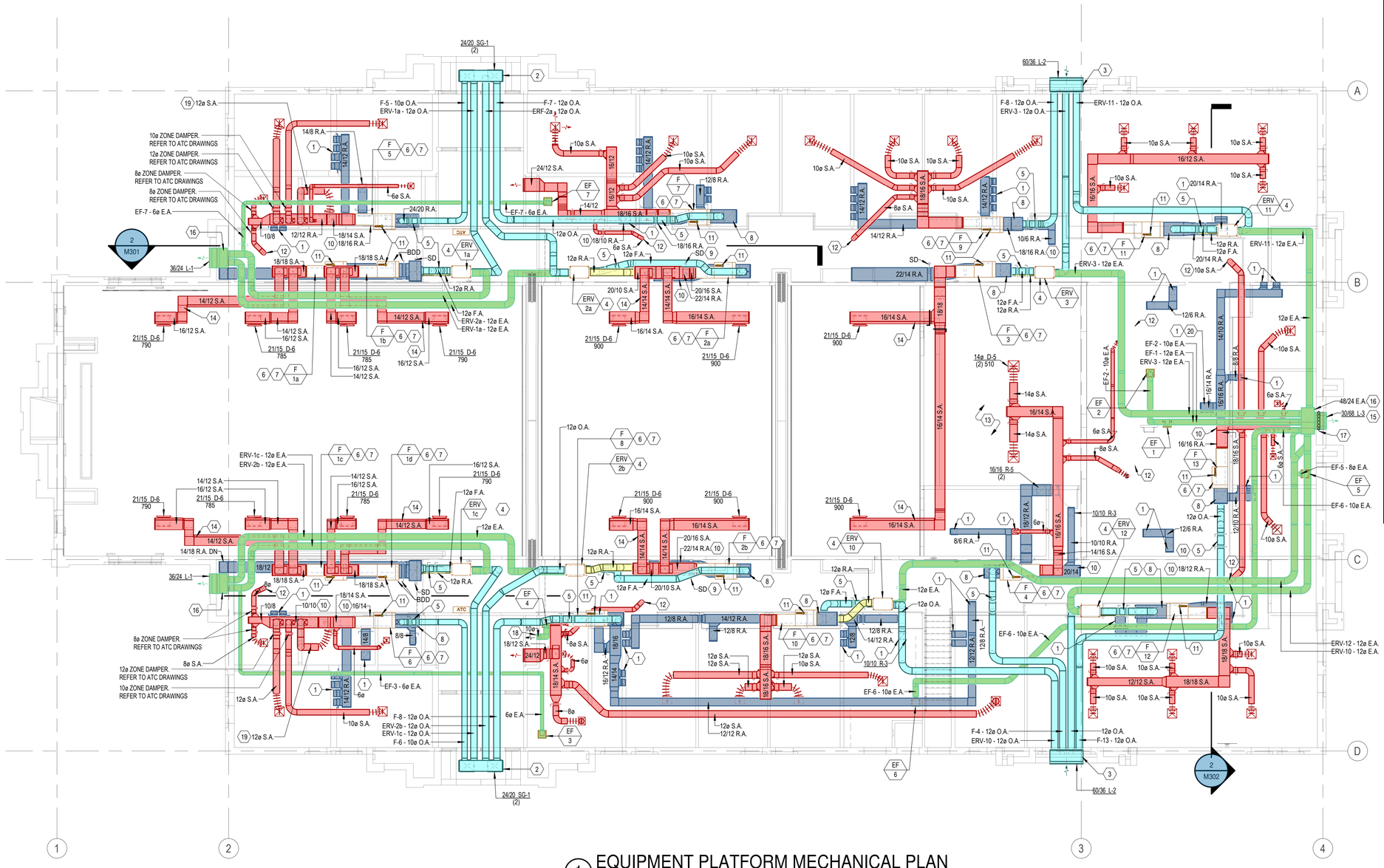
MAIN FLOOR MECHANICAL PLAN

M101

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DAVID L. HANSEN
STATE OF UTAH
Aug 15, 2024

8/14/2024 5:25:15 PM



1 EQUIPMENT PLATFORM MECHANICAL PLAN

SCALE: 1/8" = 1'-0"

KEYED NOTES

#	
1	REFER TO SHEET M101 FOR CONTINUATION.
2	PROVIDE 20" WIDE X 24" HIGH PLENUM FULL LENGTH OF BOTH SOFFIT GRILLES.
3	24" DEEP OUTSIDE AIR INTAKE PLENUM. INSTALL ICE AND WATER SHIELD AT INTERIOR OF PLENUM. SLOPE BOTTOM TOWARDS EXTERIOR WALL. WRAP WITH SPECIFIED INSULATION.
4	REFER TO DETAIL H/M502 FOR ERV UNIT DAMPER REQUIREMENTS AND SUSPENDED MOUNTING. TYPICAL FOR ALL ERV'S.
5	REFER TO DETAIL F/M503 FOR OUTSIDE AIR CONTROLS.
6	REFER TO DETAILS A, B, AND D SHEET M503. TYPICAL.
7	REFER TO DETAIL G/M502 FOR EXTERNAL FILTER SECTION. TYPICAL OF ALL HORIZONTAL FAN SYSTEMS.
8	MIXED AIR PLENUM AT INLET TO FAN UNIT. FULL SIZE. DUCT SIZE TO MATCH RA CONNECTION SIZE. TYPICAL OF ALL SYSTEMS.
9	INSTALL IN RA DUCT BELOW.
10	RA DUCT BELOW.
11	CONCENTRIC VENT AND COMBUSTION AIR PIPING UP THROUGH ROOF. REFER TO DETAIL C AND D/M503. DO NOT BLOCK ACCESS WITH PIPING. TYPICAL FOR ALL FAN SYSTEMS. LOCATE VENTS ALIGNED ALONG BUILDING AXIS AND AWAY FROM ROOF PEAKS AND VALLEYS.
12	INSTALL RIGID DUCT THROUGH FLOOR TO DIFFUSER. SEAL AT FLOOR PENETRATION.
13	RUN DUCTWORK BELOW CATWALK AND BOTTOM CHORD OF ROOF TRUSS.
14	RUN DUCTWORK IN TRUSS SPACE AND BETWEEN TRUSS WEBS. TYPICAL OF UPPER SUPPLY DUCTWORK FOR CHAPEL AND CULTURAL CENTER.
15	SEE NOTE #14 SHEET M601 REGISTER, LOUVER AND GRILLE SCHEDULE FOR REQUIRED DIMENSION INFORMATION.
16	EXHAUST AIR PLENUM.
17	30"x68" BACKDRAFT DAMPER.
18	EXHAUST FAN TO DISCHARGE AIR INTO THE CEILING SPACE DIRECTLY ABOVE THE TECH ROOM. PROVIDE DUCTWORK AS SHOWN TO DIRECT AIRFLOW.
19	SUPPLY DIFFUSER IS OVERSIZED FOR FAN SYSTEM RELIEF.
20	COORDINATE EXACT LOCATION WITH STRUCTURAL. HEADER FLOOR JOISTS IF REQUIRED.

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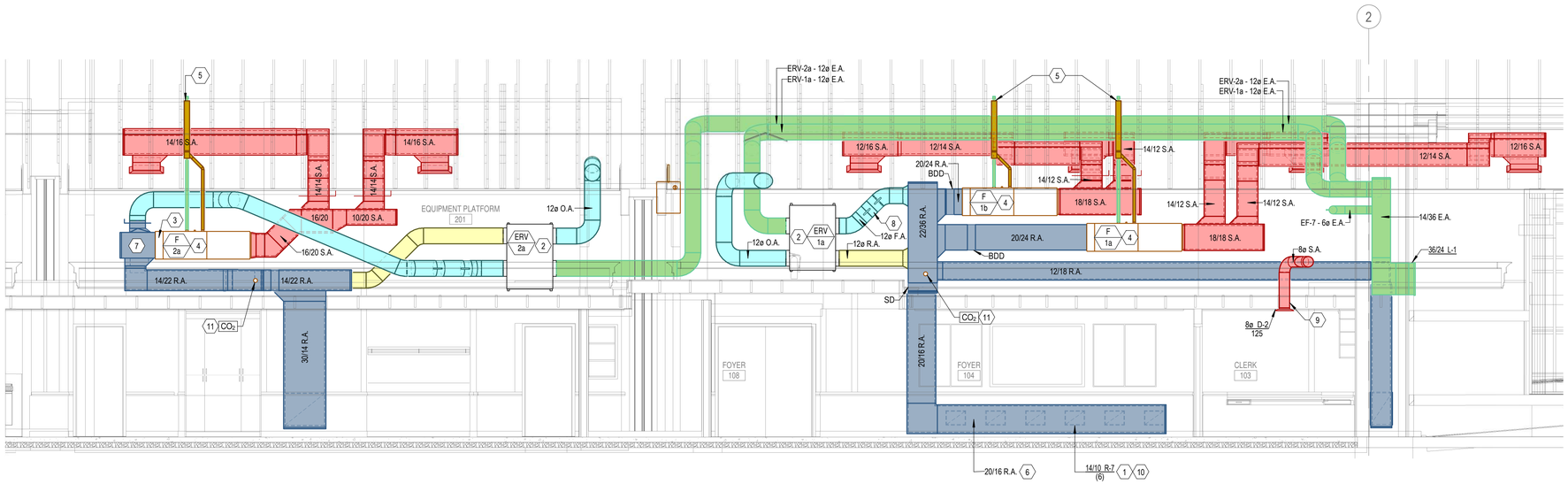
EQUIPMENT PLATFORM MECHANICAL PLAN

M102

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KEYED NOTES

#	
1	LOCATED IN WALL BEYOND. REFER TO SHEET M101.
2	ENERGY RECOVERY VENTILATOR. REFER TO DETAIL H/M502.
3	REFER TO DETAIL G/M502 FOR EXTERNAL FILTER SECTION. TYPICAL OF ALL HORIZONTAL FAN SYSTEMS.
4	REFER TO DETAILS A, B, AND D SHEET M503. TYPICAL.
5	CONCENTRIC VENT AND COMBUSTION AIR PIPING UP THROUGH ROOF. REFER TO DETAIL C AND D/M503. DO NOT BLOCK ACCESS WITH PIPING. TYPICAL FOR ALL FAN SYSTEMS. LOCATE VENTS ALIGNED ALONG BUILDING AXIS AND AWAY FROM ROOF PEAKS AND VALLEYS.
6	HORIZONTAL 16"x20" RA DUCT AT BOTTOM OF CHASE. REFER TO SECTION 1 AND 2/M301.
7	MIXED AIR PLENUM AT INLET TO FAN UNIT. FULL SIZE. TYPICAL OF ALL SYSTEMS.
8	REFER TO DETAIL F/M503 FOR OUTSIDE AIR CONTROLS.
9	INSTALL RIGID DUCT THROUGH FLOOR TO DIFFUSER. SEAL AT FLOOR PENETRATION.
10	INSTALL ALL LOW SIDEWALL RETURN AIR GRILLES AT 8" FROM FINISH FLOOR TO BOTTOM EDGE OF GRILLE FRAME. TYPICAL.
11	CO2 SENSOR SHOWN HERE FOR CLARITY. SENSOR SHALL BE LOCATED (AS SHOWN) IN FAN SYSTEM F-1a/F-1b LOCATED AT GRID LINE "B" NEAR ASSOCIATED RP-6 PANEL.



2 MECHANICAL SECTION
SCALE: 1/4" = 1'-0"

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MECHANICAL SECTIONS

M301

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DAVID L. HANSEN
Aug 15, 2024
STATE OF UTAH

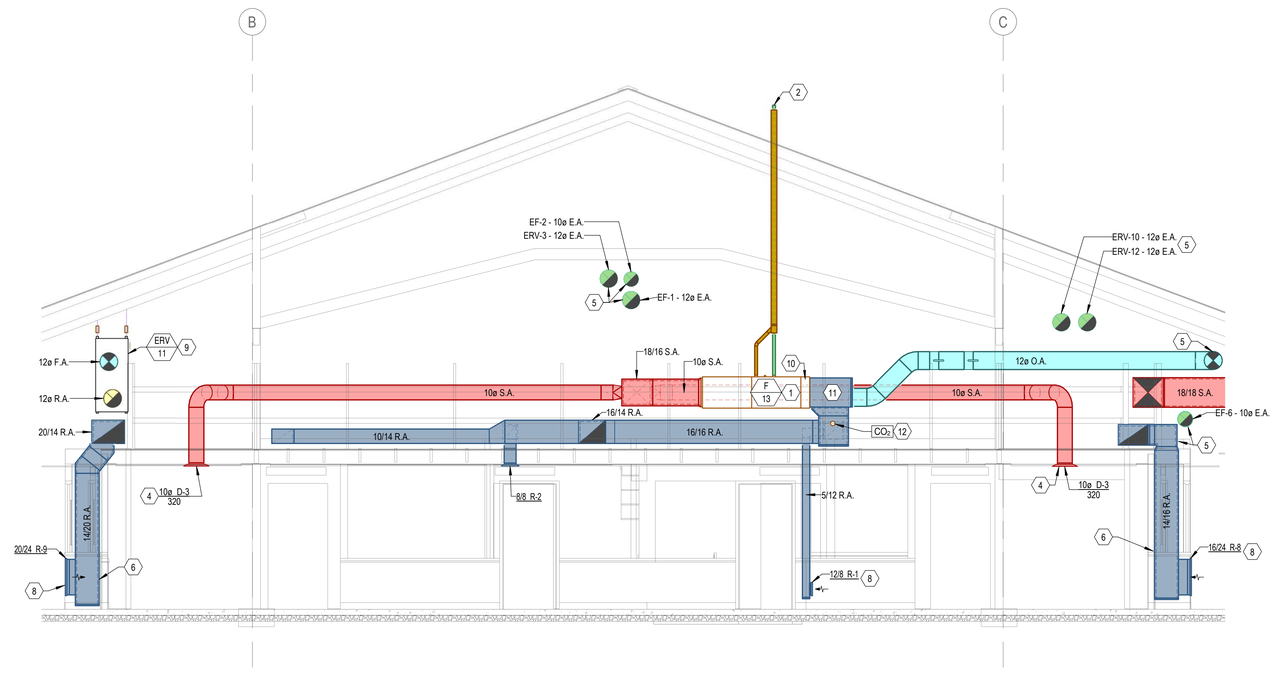
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FAX: (208) 233-0529
EMAIL: esa@engsystems.com

ESA JOB NUMBER: 24066

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KEYED NOTES

#	
1	REFER TO DETAILS A, B, AND D SHEET M503. TYPICAL.
2	CONCENTRIC VENT AND COMBUSTION AIR PIPING UP THROUGH ROOF. REFER TO DETAIL C AND D/M503. DO NOT BLOCK ACCESS WITH PIPING. TYPICAL FOR ALL FAN SYSTEMS. LOCATE VENTS ALIGNED ALONG BUILDING AXIS AND AWAY FROM ROOF PEAKS AND VALLEYS.
4	INSTALL RIGID DUCT THROUGH FLOOR TO DIFFUSER. SEAL AT FLOOR PENETRATION.
5	REFER TO SHEET M102 FOR CONTINUATION.
6	REFER TO SHEET M101 FOR CONTINUATION.
8	INSTALL ALL LOW SIDEWALL RETURN AIR GRILLES AT 8" FROM FINISH FLOOR TO BOTTOM EDGE OF GRILLE FRAME. TYPICAL.
9	ENERGY RECOVERY VENTILATOR. REFER TO DETAIL H/M502.
10	REFER TO DETAIL G/M502 FOR EXTERNAL FILTER SECTION. TYPICAL OF ALL HORIZONTAL FAN SYSTEMS.
11	MIXED AIR PLENUM AT INLET TO FAN UNIT. FULL SIZE. TYPICAL OF ALL SYSTEMS.
12	CO2 SENSOR SHOWN HERE FOR CLARITY. SENSOR SHALL BE LOCATED (AS SHOWN) IN FAN SYSTEM F-1a/F-1b LOCATED AT GRID LINE "B" NEAR ASSOCIATED RP-6 PANEL.



2 MECHANICAL SECTION

SCALE: 1/4" = 1'-0"

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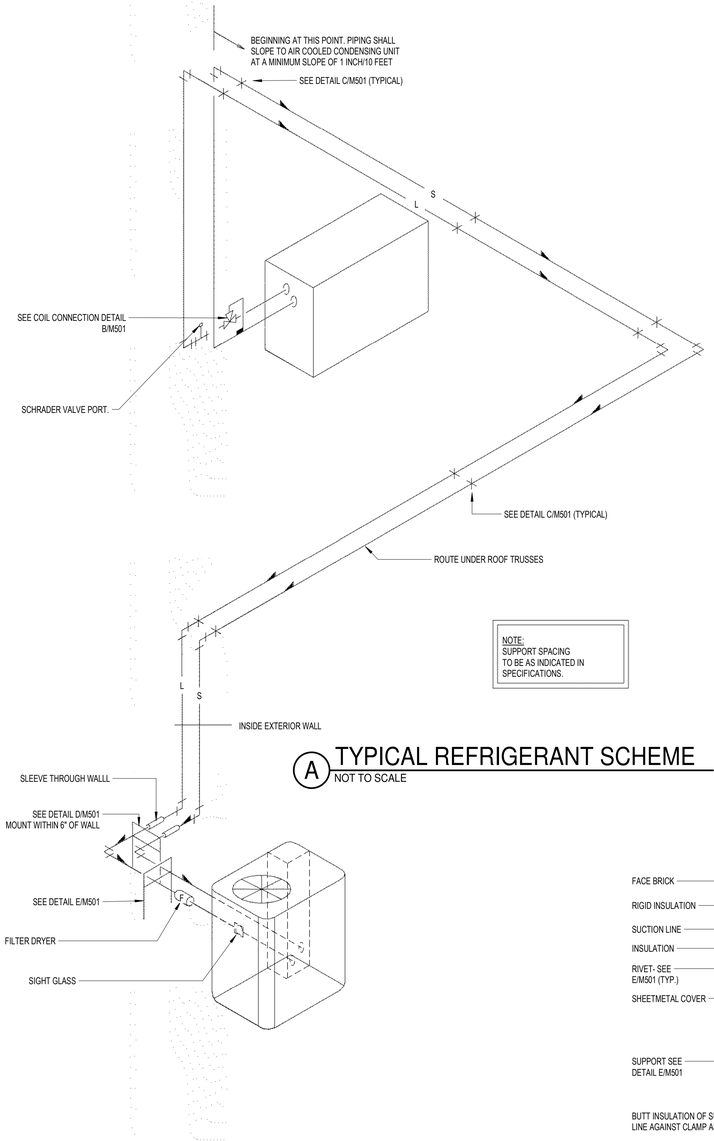
MECHANICAL SECTIONS

M302

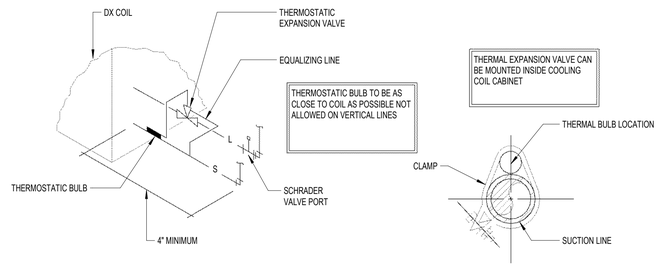
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A TYPICAL REFRIGERANT SCHEME
NOT TO SCALE



B REFRIGERANT COIL CONNECTION DETAIL
NOTE TO SCALE

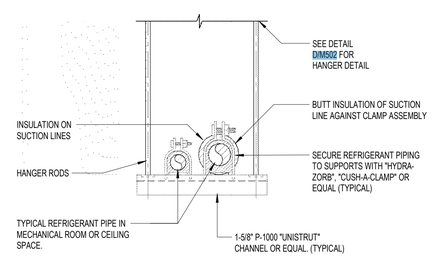
REFRIGERANT PIPING LEGEND

SYMBOL	DESCRIPTION
	EXPANSION VALVE. SEE DETAIL B/M501
	MOISTURE INDICATING SIGHT GLASS
	FLEXIBLE CONNECTION
F	FILTER DRIER
	PIPE SUPPORT. SEE DETAIL C/M501
	EXTERIOR PIPE SUPPORT. SEE DETAIL D/M501 AND E/M501
	DIRECTION OF SLOPE DOWN
S	SUCTION LINE
L	LIQUID LINE
	SCHRADER VALVE PORT

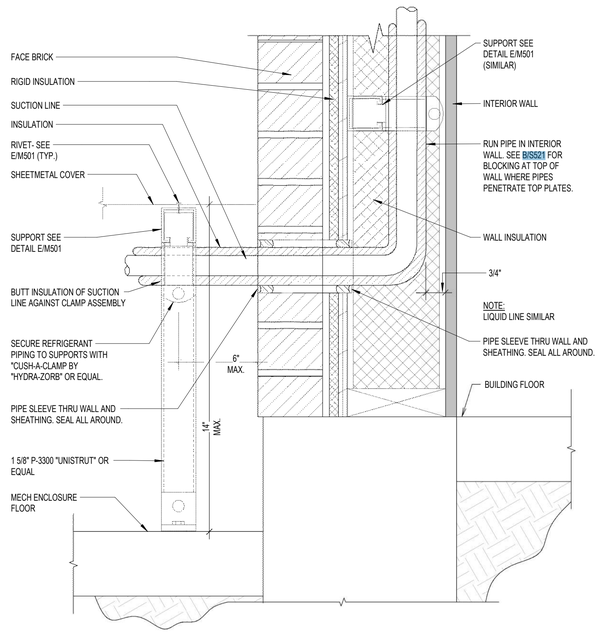
REFRIGERANT LINE SIZES

SYSTEM SIZE	LIQUID	SUCTION
2.0 TON	3/8"	3/4"
2.5 TON	3/8"	3/4"
3.0 TON	3/8"	7/8"
3.0 TON	3/8"	7/8"
4.0 TON	3/8"	7/8"
5.0 TON	3/8"	1 1/8"

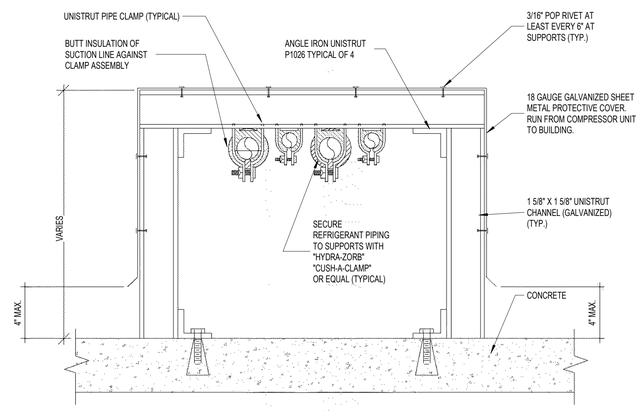
*REFER TO COMPRESSOR UNIT SCHEDULE ON SHEET M601 FOR SYSTEM SIZES.



C SUSPENDED REFRIGERANT PIPE SUPPORT AT CEILING
NOT TO SCALE



D REFRIGERANT PIPE SUPPORT AT WALL DETAIL
NOTE TO SCALE



E EXTERIOR REFRIGERANT PIPE SUPPORT DETAIL
NOT TO SCALE

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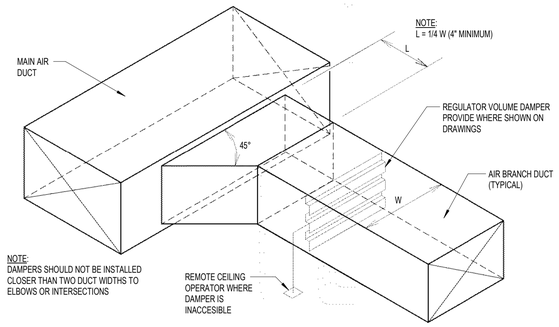
MECHANICAL DETAILS

M501

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A SUPPLY OR RETURN AIR DUCT BRANCH CONNECTION DETAIL

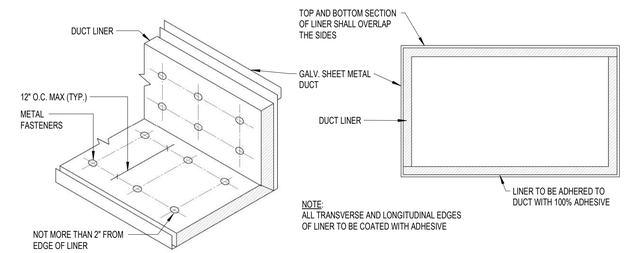
NOT TO SCALE

DIMENSION OF LONGEST SIDE (INCHES)	SHEET METAL GAGE (ALL FOUR SIDES)	TRANSVERSE REINFORCING (1)						
		MINIMUM REINFORCING ANGLE SIZE AND MAXIMUM LONGITUDINAL SPACING BETWEEN TRANSVERSE JOINTS AND/OR INTERMEDIATE REINFORCING	AT JOINTS					
			MIN. H. (IN)	DRIVE SLIP / PLAIN 'S' SLIP	HEMMED 'S' SLIP	ALTER'NT BAR SLIP	REIN-FORCED BAR SLIP	
				RECOM-MENDED GAGE	RECOM-MENDED GAGE	RECOM-MENDED GAGE	RECOM-MENDED GAGE	
UP THRU 12	26	NONE REQUIRED	1	26	26	24	24	
13 - 18	24	NONE REQUIRED	1	24	24	24	24	
19 - 30	24	1"x1"x1/8" @ 60 IN	1	-	24	24	24	
31 - 36	22	1"x1"x1/8" @ 60 IN	1	-	-	22	22	

1. TRANSVERSE REINFORCING SIZE IS DETERMINED BY DIMENSION OF SIDE TO WHICH ANGLE IS APPLIED.
2. LONGITUDINAL JOINTS TO BE PITTSBURG OR SNAP LOCK TYPE.

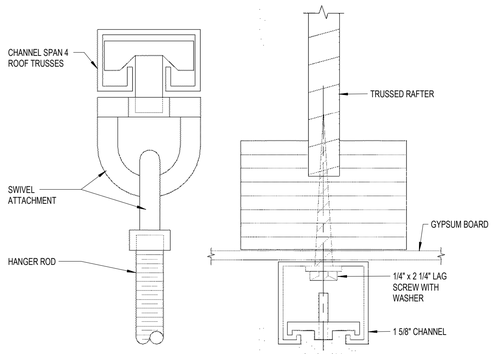
B DUCT CONSTRUCTION DETAIL

NOT TO SCALE



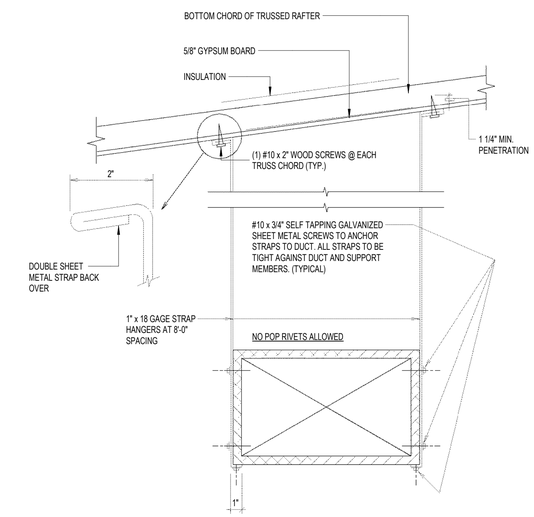
C DUCT LINER DETAIL

NOT TO SCALE



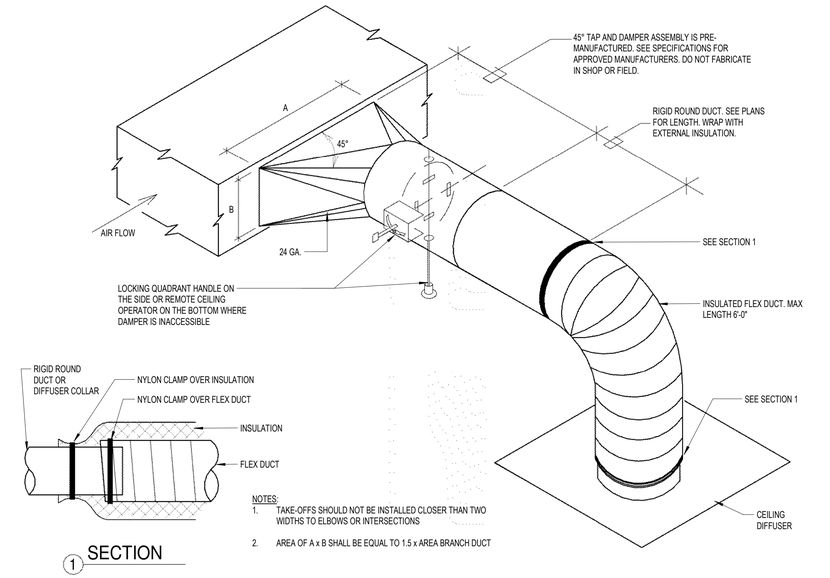
D UPPER ATTACHMENT DETAIL

NOT TO SCALE



E DUCT STRAP HANGER DETAIL

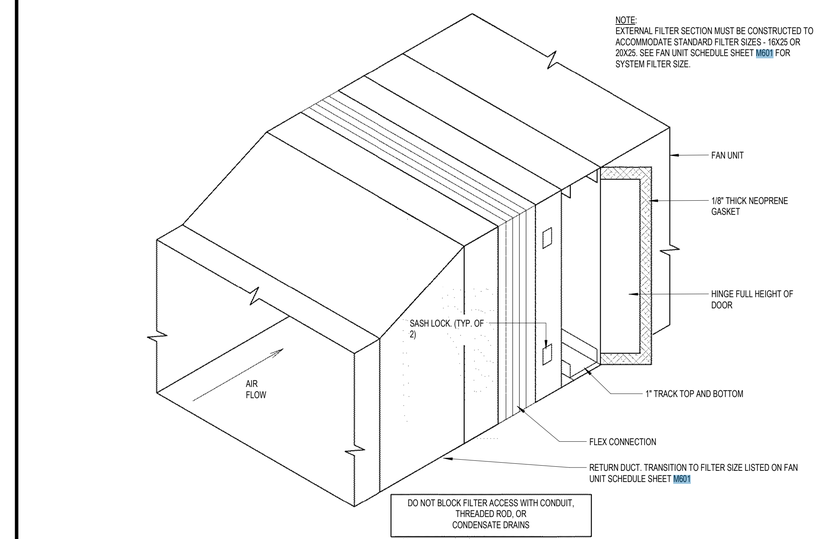
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1 SECTION

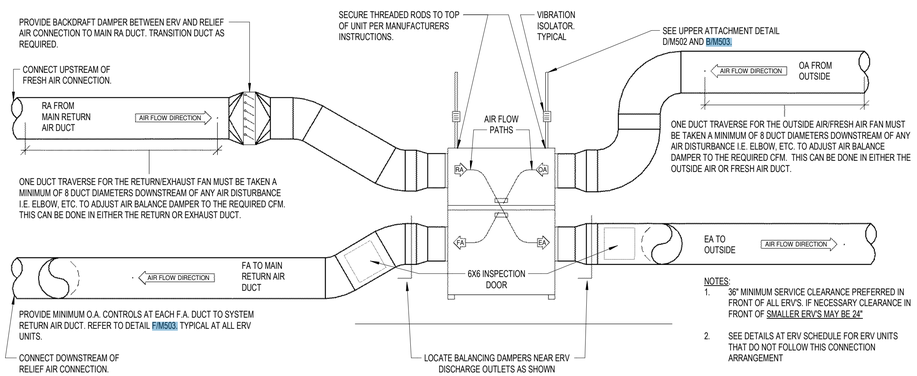
F SQUARE TO ROUND TAKE-OFF DETAIL

NOT TO SCALE



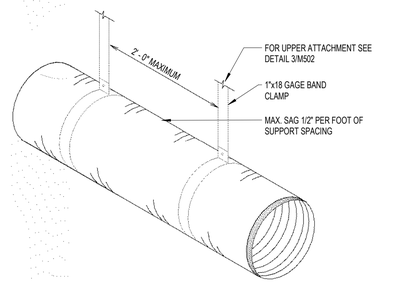
G EXTERNAL FILTER SECTION DETAIL

NOT TO SCALE



H TYPICAL ERV DAMPERING DETAIL

NOT TO SCALE



J FLEXIBLE DUCT SUPPORT DETAIL

NOT TO SCALE

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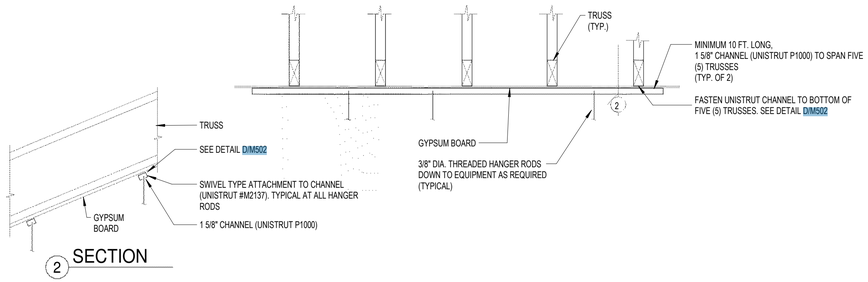
#	Date	Description

MECHANICAL DETAILS

M502

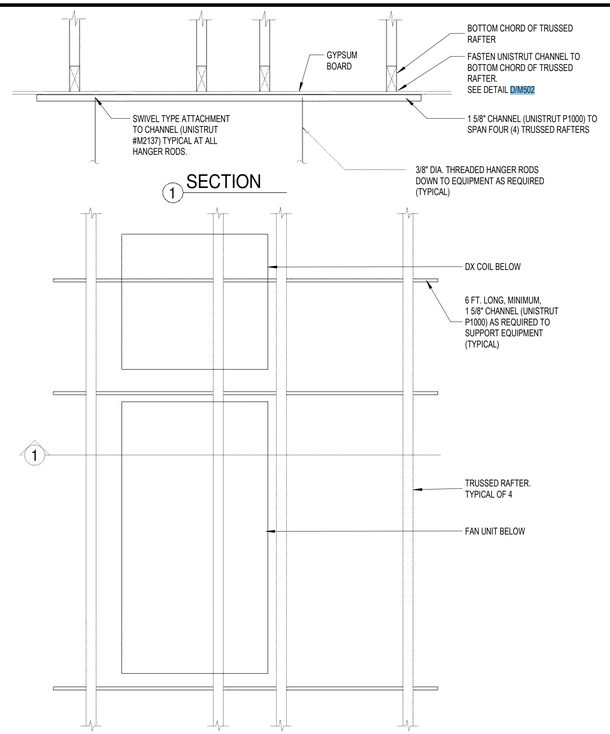
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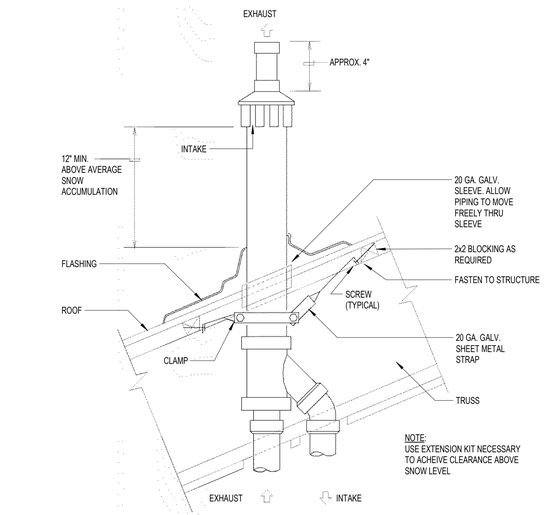
A UPPER SUPPORT DETAIL FOR TRUSSED RAFTERS PERPENDICULAR WITH FAN SYSTEM

NOT TO SCALE



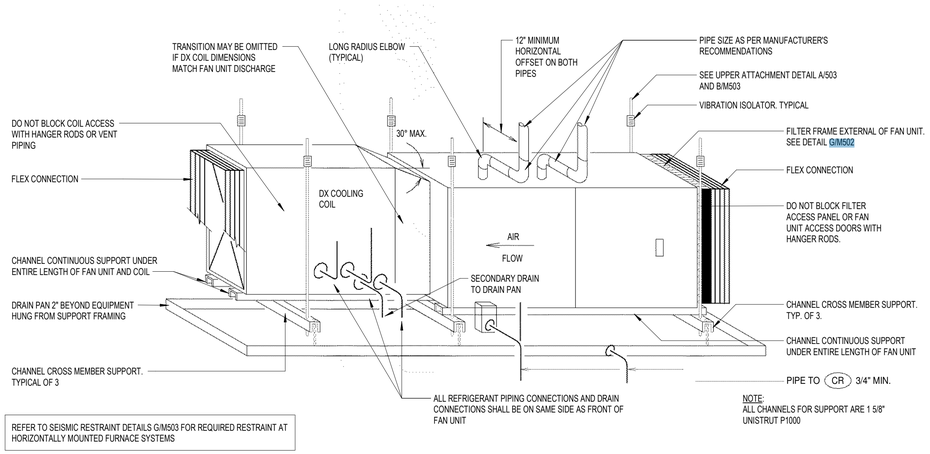
B UPPER SUPPORT DETAIL FOR TRUSSED RAFTERS PARALLEL WITH FAN SYSTEM

NOT TO SCALE



C CONCENTRIC ROOF TERMINATION DETAIL

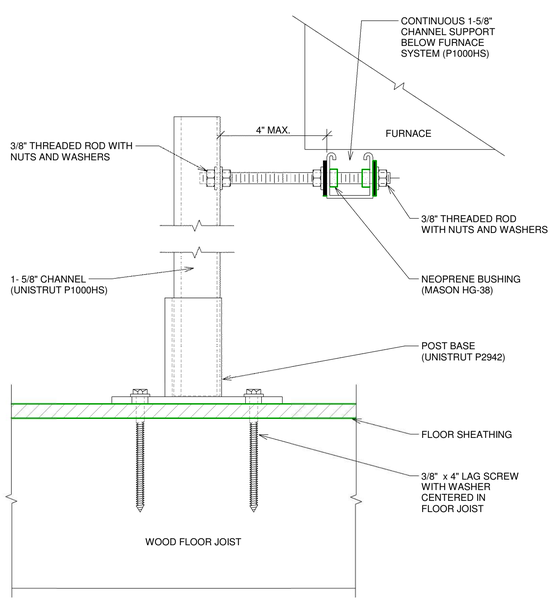
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D FAN UNIT SUPPORT DETAIL

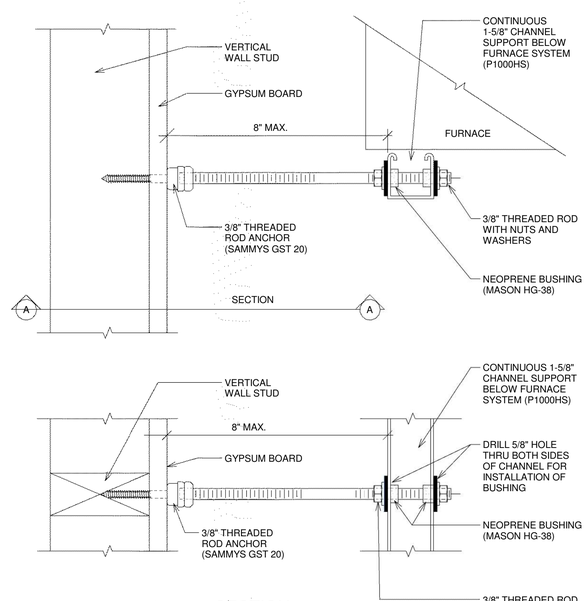
NOT TO SCALE

NOTE:
PROVIDE TWO LOCATIONS PER FURNACE SYSTEM, BOTH WITHIN 9" OF EACH END



OPTION 1

NOTE:
PROVIDE TWO LOCATIONS PER FURNACE SYSTEM, BOTH WITHIN 9" OF EACH END

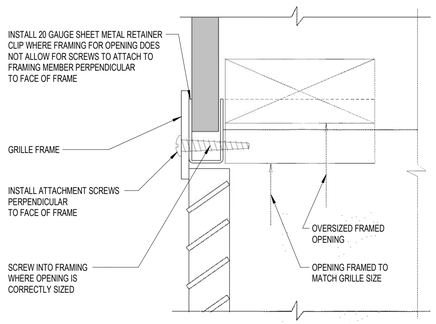


A SECTION

OPTION 2

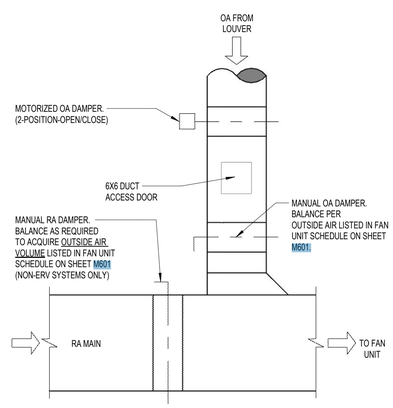
1 HORIZONTAL FURNACE SEISMIC RESTRAINT DETAIL

SCALE: 12" = 1'-0"



E GRILLE ATTACHMENT DETAIL

NOT TO SCALE



F TYPICAL OUTSIDE AIR DUCT DETAIL

NOT TO SCALE

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THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

BHD #: 2346
County Parcel: 39-228:0001
Plan Series: G300-MH-11
Owner #: 502-2004
Date: 15 Aug 2024

Drawing Issue and Revision Schedule

#	Date	Description

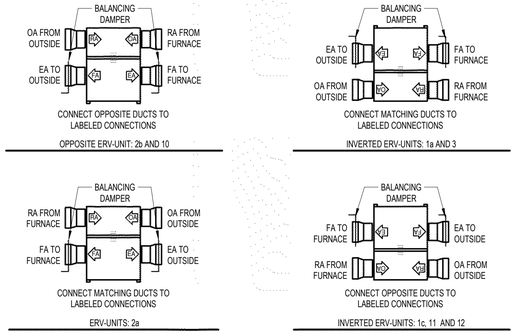
MECHANICAL DETAILS

M503

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LICENSED PROFESSIONAL ENGINEER DAVID L. HANSEN Aug 15, 2024 STATE OF UTAH

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ENERGY RECOVERY VENTILATOR INSTALLATION DIAGRAMS

ENERGY RECOVERY VENTILATOR SCHEDULE

MARK	CFM	ELECTRICAL				REMARKS
		FLA	MCA	VOLTAGE	PHASE	
ERV-1a	740	17.2	19.4	115	1	SEE NOTES 1,2,3
ERV-1c	740	17.2	19.4	115	1	SEE NOTES 1,2,3
ERV-2a	800	17.2	19.4	115	1	SEE NOTES 1,2,3
ERV-2b	800	17.2	19.4	115	1	SEE NOTES 1,2,3
ERV-3	800	17.2	19.4	115	1	SEE NOTES 1,2,3
ERV-10	600	17.2	19.4	115	1	SEE NOTES 1,2,3
ERV-11	635	17.2	19.4	115	1	SEE NOTES 1,2,3
ERV-12	745	17.2	19.4	115	1	SEE NOTES 1,2,3

1. RENEWAIRE MODEL HE1XINV. TWO 0.75 HP FANS. 25 MAX. FUSE SIZE.
2. ENERGY RECOVERY VENTILATOR MARKS CORRESPOND WITH FAN UNIT MARKS.
3. SEE ERV INSTALLATION DIAGRAMS TO THE LEFT.

EXHAUST FAN SCHEDULE

MARK	LOCATION		MINIMUM A.C.F.M.	STATIC PRESSURE IN. W.G.	WATTS	REMARKS
	ROOM NAME	ROOM NUMBER				
EF-1	WOMEN	156	420	0.250	330 W	SEE NOTES 1,2,3,4
EF-2	MEN	155	350	0.250	250 W	SEE NOTES 1,2,3,4
EF-3	MOTHERS' ROOM	135	70	0.250	81 W	SEE NOTES 1,2,3,4
EF-4	TECH	136	200	0.250	166 W	SEE NOTES 1,2,3,4,5
EF-5	FAMILY RESTROOM	122	140	0.250	100 W	SEE NOTES 1,2,3,4
EF-6	SERVING AREA	130	200	0.250	166 W	SEE NOTES 1,2,3,4
EF-7	MEMBER CUSTODIAL	110	70	0.250	81 W	SEE NOTES 1,2,3,4

1. SET BALANCE DAMPERS SHOWN ON M101 TO CFM LISTED
2. PROVIDE BACKDRAFT DAMPER
3. CONTROL BY DIVISION 26
4. VOLTAGE IS 115V/1PHASE/60HZ
5. LINE VOLTAGE THERMOSTAT CONTROL ACCESSORY THERMOSTAT BY DIVISION 23, INSTALLED BY DIV 26.

DIFFUSER SCHEDULE

MARK	QUANTITY	CFM RANGE	DIFFUSER SIZE	NECK CONN.	BLOW	PATTERN	AIR DIST. / SIDE		REMARKS
							A (%)	B (%)	
D-1	8	60 - 120	6x6	6ø	4 WAY UNLESS NOTED ON M101		--	--	SEE NOTES 1,2,3
D-2	8	125 - 240	9x9	8ø	4 WAY UNLESS NOTED ON M101		--	--	SEE NOTES 1,2,3
D-3	26	245 - 380	12x12	10ø	4 WAY UNLESS NOTED ON M101		--	--	SEE NOTES 1,2,3
D-4	7	385 - 470	12x12	12ø	4 WAY UNLESS NOTED ON M101		--	--	SEE NOTES 1,2,3
D-5	2	475 - 640	15x15	14ø	4 WAY UNLESS NOTED ON M101		--	--	SEE NOTES 1,2,3
D-6	14	675 - 900	21x15	21/15	3 WAY	A B	35	33	SEE NOTES 1,2,3

1. MAXIMUM NC = 25 @ MAXIMUM CFM NOTED
2. SHALL BE TITUS TDC TYPE 6 OR EQUAL BY OTHER APPROVED MANUFACTURERS (SEE SPECIFICATIONS)
3. FINISH SHALL BE OFF-WHITE BAKED ENAMEL

REGISTER, LOUVER & GRILLE SCHEDULE

MARK	QUANTITY	TYPE	SERVICE	CFM RANGE	MAX NC	NOMINAL SIZE	REMARKS
L-1	2	LOUVER	EA	1635 - 1780	25	36x24	SEE NOTES 1,6,10,13
L-2	2	LOUVER	OA	2005 - 2130	25	60x36	SEE NOTES 1,6,9,10
L-3	1	LOUVER	EA	3940	25	30x68	SEE NOTES 1,6,10,13,14
L-4	1	LOUVER	ARCHITECT	N/A	25	12x12	SEE NOTES 1,6,10,11
R-1	37	SIDEWALL	RA	100 - 250	25	12x8	SEE NOTES 1,3,4,8
R-2	6	CEILING	RA	50 - 220	25	8x8	SEE NOTES 1 & 2
R-3	2	CEILING	RA	225 - 350	25	10x10	SEE NOTES 1 & 2
R-4	3	CEILING	RA	355 - 520	25	12x12	SEE NOTES 1 & 2
R-5	5	CEILING	RA	525 - 850	25	16x16	SEE NOTES 1 & 2
R-6	4	CEILING	TRANSFER AIR	250 - 500	25	12x12	SEE NOTES 1 & 2
R-7	12	SIDEWALL	RA	360	25	14x10	SEE NOTES 1,3,4,8,12
R-8	4	SIDEWALL	RA	900 - 990	25	16x24	SEE NOTES 1,3,4,8,12
R-9	1	SIDEWALL	RA	1575	25	20x24	SEE NOTES 1,3,4,8,12
R-10	3	SIDEWALL	RA	1580 - 1800	25	30x24	SEE NOTES 1,3,4,8,12
S-1	2	SIDEWALL	SA	660	25	24x12	SEE NOTES 1,4,9
SG-1	4	SOFFIT GRILLE	OA	1100 - 1145	25	24x20	SEE NOTES 1,6,10

1. SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS
2. FINISH SHALL BE OFF-WHITE BAKED ENAMEL
3. BAKED ENAMEL FINISH WITH COLOR AS DIRECTED BY ARCHITECT
4. RETURN AIR GRILLE TO BE MOUNTED 8" FROM FLOOR TO BOTTOM EDGE OF GRILLES
5. BAKED ENAMEL FINISH TO MATCH ROOF COLOR OR COLOR AS DIRECTED BY ARCHITECT
6. PROVIDE ALUMINUM BIRD SCREEN OR INSECT SCREEN. SEE SPECIFICATIONS
7. SET REGISTER BLADES FOR 15° UPWARD DEFLECTION
8. BLADE ORIENTATION SHALL BE HORIZONTAL
9. MAX. ACCEPTABLE FACE VELOCITY THROUGH NET FREE AREA: 400 FT/MIN.
10. FINISH COLOR, AS DIRECTED BY ARCHITECT, TO MATCH SURROUNDING SURFACE FINISH
11. ON STORAGE BUILDING. NOT CONNECTED TO DUCTWORK. SEE ELEVATION F/C801
12. REFER TO DETAIL E/M503 FOR GRILLE INSTALLATION
13. MAX. ACCEPTABLE FACE VELOCITY THROUGH NET FREE AREA: 600 FT/MIN.
14. SEE ARCHITECTURAL ELEVATIONS FOR EXACT DIMENSIONS AND SHAPE

FAN UNIT SCHEDULE (GAS FIRED FURNACE)

MARK	MIN. REQ'D OUTPUT BTU/H	MINIMUM A.C.F.M.	MINIMUM O.A.	EXT. S.P. (IN.W.G.)	STANDARD FILTER SIZE	MOTOR		REMARKS
						MINIMUM H.P.	SPEED	
F-1a	75,000	1575	368	0.60	1x20x25	0.5	HIGH	SEE NOTES 1,2,5,6,7,8,9,10
F-1b	75,000	1575	368	0.60	1x20x25	0.5	HIGH	SEE NOTES 1,2,5,6,7,8,9,10
F-1c	75,000	1575	368	0.60	1x20x25	0.5	HIGH	SEE NOTES 1,2,5,6,7,8,9,10
F-1d	75,000	1575	368	0.60	1x20x25	0.5	HIGH	SEE NOTES 1,2,5,6,7,8,9,10
F-2a	75,000	1800	800	0.60	1x20x25	0.75	HIGH	SEE NOTES 1,2,5,6,7,8,9,10
F-2b	75,000	1800	800	0.60	1x20x25	0.75	HIGH	SEE NOTES 1,2,5,6,7,8,9,10
F-3	75,000	1800	800	0.60	1x20x25	0.75	HIGH	SEE NOTES 1,2,5,6,7,8,9,10
F-4	57,000	1350	400	0.60	1x20x25	0.33	HIGH	SEE NOTES 1,2,5,6,7,8,9,10
F-5	57,000	1125	250	0.60	1x16x25	0.33	HIGH	SEE NOTES 1,2,5,6,7,8,9,10
F-6	57,000	1125	250	0.60	1x16x25	0.33	HIGH	SEE NOTES 1,2,5,6,7,8,9,10
F-7	75,000	1575	400	0.60	1x20x25	0.5	HIGH	SEE NOTES 1,2,5,6,7,8,9,10
F-8	75,000	1350	310	0.60	1x20x25	0.33	HIGH	SEE NOTES 1,2,5,6,7,8,9,10
F-9	75,000	1575	470	0.60	1x20x25	0.5	HIGH	SEE NOTES 1,2,5,6,7,8,9,10
F-10	75,000/49,000	1575	600	0.60	1x20x25	0.75	SEE REMARKS	SEE NOTES 1,2,3,4,5,7,8,9,10
F-11	75,000/49,000	1575	635	0.60	1x20x25	0.75	SEE REMARKS	SEE NOTES 1,2,3,4,5,7,8,9,10
F-12	75,000/49,000	1800	745	0.60	1x20x25	0.75	SEE REMARKS	SEE NOTES 1,2,3,4,5,7,8,9,10
F-13	75,000	1350	250	0.60	1x20x25	0.33	HIGH	SEE NOTES 1,2,5,6,7,8,9,10

1. BTU/H OUTPUT AT SEA LEVEL RATING
2. FURNACE MARKS CORRESPOND WITH CONDENSING UNIT AND COOLING COIL MARKS
3. TWO STAGE HEAT FURNACE: HIGH/LOW
4. VARIABLE SPEED ECM MOTOR
5. ELECTRICAL CHARACTERISTICS - MOTOR: 115V/1PHASE/60HZ
6. FIXED SPEEDS, CONSTANT TORQUE ECM MOTOR
7. SET FAN MOTOR SPEED TAP TO LOWEST POSSIBLE SETTING REQUIRED TO ACHIEVE DESIGN AIR FLOW
8. SEE DETAIL G/M502
9. SEE SPECIFICATION FOR APPROVED MANUFACTURERS
10. 95% MINIMUM AFUE

COMPRESSOR UNIT SCHEDULE (COOLING ONLY)

MARK	MIN. NOMINAL SIZE (TONS)	COMPRESSOR RATED LOAD AMPS	FAN FULL LOAD AMPS	MIN. CIRCUIT AMPS	MOCP	REMARKS
CU-1a	3.5	21.2	1.7	28.1	45	SEE NOTES 1,2,3,4,5,6
CU-1b	3.5	21.2	1.7	28.1	45	SEE NOTES 1,2,3,4,5,6
CU-1c	3.5	21.2	1.7	28.1	45	SEE NOTES 1,2,3,4,5,6
CU-1d	3.5	21.2	1.7	28.1	45	SEE NOTES 1,2,3,4,5,6
CU-2a	4.0	24.2	1.7	31.9	50	SEE NOTES 1,2,3,4,5,6
CU-2b	4.0	24.2	1.7	31.9	50	SEE NOTES 1,2,3,4,5,6
CU-3	4.0	24.2	1.7	31.9	50	SEE NOTES 1,2,3,4,5,6
CU-4	3.0	16.7	1.5	22.0	35	SEE NOTES 1,2,3,4,5,6
CU-5	2.5	14.1	1.1	18.7	30	SEE NOTES 1,2,3,4,5,6
CU-6	2.5	14.1	1.1	18.7	30	SEE NOTES 1,2,3,4,5,6
CU-7	3.5	21.2	1.7	28.1	45	SEE NOTES 1,2,3,4,5,6
CU-8	3.0	16.7	1.5	22.0	35	SEE NOTES 1,2,3,4,5,6
CU-9	3.5	21.2	1.7	28.1	45	SEE NOTES 1,2,3,4,5,6
CU-10	3.5	21.2	1.7	28.1	45	SEE NOTES 1,2,3,4,5,6
CU-11	3.5	21.2	1.7	28.1	45	SEE NOTES 1,2,3,4,5,6
CU-12	4.0	24.2	1.7	31.9	50	SEE NOTES 1,2,3,4,5,6
CU-13	3.0	16.7	1.5	22.0	35	SEE NOTES 1,2,3,4,5,6

1. REFRIGERANT R-410a
2. AT DESIGN CONDITIONS AND 100°F ENTERING AIR TEMPERATURE TO CONDENSER
3. CONDENSING UNIT MARKS CORRESPOND WITH DX COIL AND FURNACE MARKS
4. ELECTRICAL CHARACTERISTICS-COMPRESSOR: 208V/1PHASE/60HZ
5. SEE SPECIFICATION FOR APPROVED MANUFACTURERS. MINIMUM 13.4 SEER 2.
6. COORDINATE ACTUAL ELECTRICAL RATINGS OF UNIT SUPPLIED WITH DIVISION 26

DX COIL SCHEDULE

MARK	CALCULATED COOLING LOAD		EVAPORATOR ENT. CONDITIONS				REMARKS
	TOTAL BTU/H	SENSIBLE BTU/H	DB °F	WB °F	A.C.F.M / S.C.F.M.	MAX. PR. DR. IN. W.G.	
CC-1a	32,525	32,525	82.5	63.6	1575/1336	0.24	SEE NOTES 1,2,3,4
CC-1b	32,525	32,525	82.5	63.6	1575/1336	0.24	SEE NOTES 1,2,3,4
CC-1c	32,525	32,525	82.5	63.6	1575/1336	0.24	SEE NOTES 1,2,3,4
CC-1d	32,525	32,525	82.5	63.6	1575/1336	0.24	SEE NOTES 1,2,3,4
CC-2a	41,750	41,750	86.9	63.4	1800/1526	0.26	SEE NOTES 1,2,3,4
CC-2b	41,750	41,750	86.9	63.4	1800/1526	0.26	SEE NOTES 1,2,3,4
CC-3	44,800	44,800	87.1	63.7	1800/1526	0.26	SEE NOTES 1,2,3,4
CC-4	25,700	25,700	83.0	61.9	1350/1144	0.23	SEE NOTES 1,2,3,4
CC-5	23,100	23,100	82.7	61.9	1125/954	0.28	SEE NOTES 1,2,3,4
CC-6	22,000	22,000	82.6	61.9	1125/954	0.28	SEE NOTES 1,2,3,4
CC-7	38,300	38,300	83.3	61.7	1575/1336	0.29	SEE NOTES 1,2,3,4
CC-8	30,300	30,300	81.8	60.7	1350/1144	0.23	SEE NOTES 1,2,3,4
CC-9	35,400	35,400	84.1	61.9	1575/1336	0.29	SEE NOTES 1,2,3,4
CC-10	40,200	40,200	85.6	63.4	1575/1336	0.22	SEE NOTES 1,2,3,4
CC-11	39,600	39,600	86.5	63.2	1575/1336	0.22	SEE NOTES 1,2,3,4
CC-12	47,000	47,000	86.2	63.3	1800/1526	0.26	SEE NOTES 1,2,3,4
CC-13	24,700	24,700	81.6	60.4	1350/1144	0.23	SEE NOTES 1,2,3,4

1. COMPLETE WITH FACTORY COIL BOX AND COIL
2. WET COIL
3. 4500 FEET ELEVATION (0.848 CFM TRANSMISSION FACTOR)
4. SEE SPECIFICATION FOR APPROVED MANUFACTURERS

ELECTRIC WALL HEATER SCHEDULE

MARK	SERVES	KW OUTPUT	Ø	HERTZ	VOLTS	AMPS	REMARKS
EH-1	FIRE RISER [129]	2.2	1	60	208	10.0	QMARK QFG22281F W/O BUILT IN TSTAT

DESIGN CONDITIONS	OUTSIDE	INSIDE
WINTER	9.3°F	70°F
SUMMER	94.8°F DB, 62.6°F WB	75°F DB, 64°F WB

GENERAL NOTES:

1. THE MECHANICAL CONTRACTOR SHALL VERIFY MOTOR VOLTAGES WITH THE ELECTRICAL DRAWINGS BEFORE ORDERING MOTORIZED EQUIPMENT AND CONTROLS. MOTOR NAME PLATE VOLTAGE SHALL BE NEMA STANDARD 200 VOLT FOR 208 VOLT THREE PHASE SYSTEM AND SHALL BE NEMA STANDARD 230 VOLT FOR 240 VOLT THREE PHASE OR SINGLE PHASE SYSTEM. STARTER HEATERS INSTALLED SHALL BE COORDINATED WITH THE NAME PLATE DATA.
2. S.C.F.M. LISTED IS STANDARD AIR. A.F.C.M. LISTED IS ACTUAL AIR AT ELEVATION NOTED.

REGISTERED PROFESSIONAL ENGINEER — DAVID L. HANSEN — Aug 15, 2024 — STATE OF UTAH

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THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

Owner #: 502-2004
Plan Series: G300-MH-11
County Parcel: 39-228-0001
BHD #: 2346
Date: 15 Aug 2024

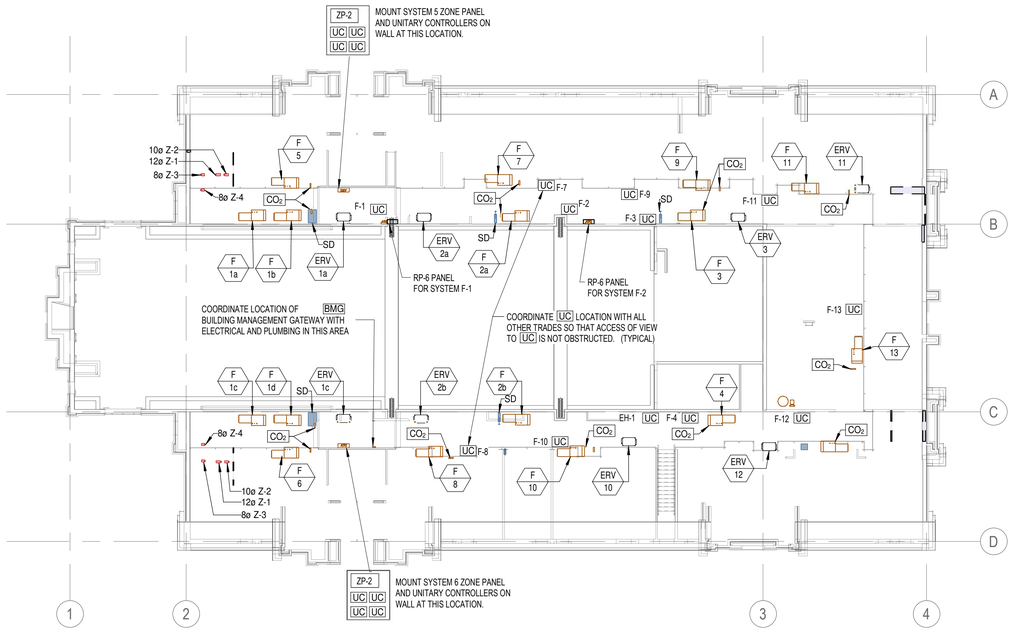
Drawing Issue and Revision Schedule

#	Date	Description

MECHANICAL SCHEDULES

M601

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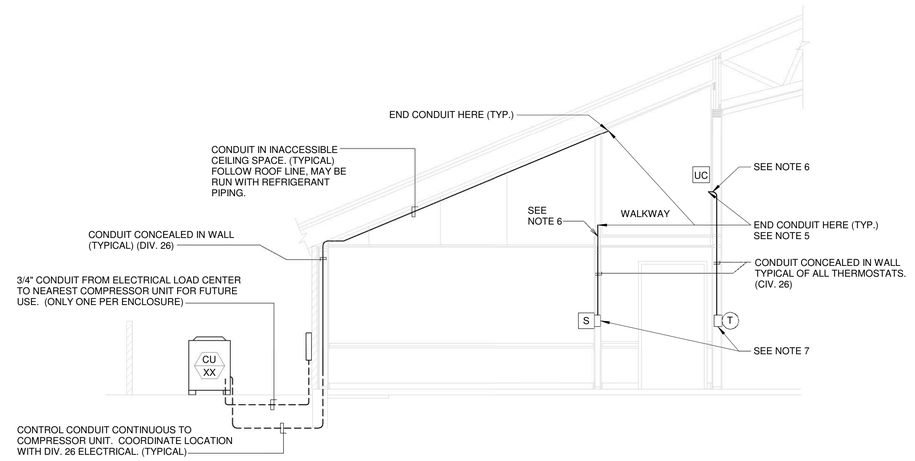
2 EQUIPMENT PLATFORM AUTOMATIC TEMPERATURE CONTROL PLAN

SCALE: 1/16" = 1'-0"



1 MAIN FLOOR AUTOMATIC TEMPERATURE CONTROL PLAN

SCALE: 1/16" = 1'-0"



A MINIMUM REQUIRED CONDUIT-TYPICAL DETAIL

SCALE: NONE

NOTE:
ALL TEMPERATURE CONTROL CONDUIT SHALL BE FURNISHED AND INSTALLED BY DIVISION 26.

SYMBOLS

UC	UNITARY CONTROLLER (DIV 23). MOUNT MODULE IN ACCESSIBLE LOCATION ON OR NEAR ASSOCIATED FURNACE.
RP-6	RELAY PANEL (DIV 23) MOUNT 5'-0" TO BOTTOM OF CABINET
T	THERMOSTAT (LCBS) OUTLET (DIV 26)
S	INDOOR AIR SENSOR OUTLET (DIV 26)
BMG	BUILDING MANAGEMENT GATEWAY (DIV 23)
OAS	GLOBAL OUTDOOR AIR SENSOR (DIV 23) TO BE INSTALLED ON THE NORTH SIDE OF THE BUILDING (OUT OF DIRECT SUNLIGHT) AND CONNECTED TO ANY ZONE.
CO_2	CO_2 SENSOR (DIV 23) INSTALL UPSTREAM OF RELIEF OR OUTSIDE AIR CONNECTON.
CRO	COMBINATION RELAY AND THERMAL OVERLOAD DISCONNECT (W/20 AMP RIB RELAY 2401B)
ZP-1	3 ZONE PANEL (DIV 23)
ZP-2	4 ZONE PANEL (DIV 23)
Z*	ZONE DAMPER (*=ZONE NUMBER)
SD	DUCT SMOKE DETECTOR

NOTES:

1. BOXES FOR THERMOSTAT (T) AND (S) OUTLETS SHALL BE 2"X4" WITH LONG DIMENSION VERTICAL. USE METAL BRACKET OF COVER PLATE ASSEMBLY TO MOUNT THERMOSTAT HORIZONTAL.
2. CONDUIT TO BE 1/2" UNLESS NOTED OTHERWISE.
3. TEMPERATURE CONTROL WIRING THAT IS NOT IN CONDUIT SHALL BE RUN PARALLEL AND PERPENDICULAR TO BUILDING CONSTRUCTION LINES. SEE SPECIFICATIONS FOR ACCEPTABLE FASTENING METHODS AND MAXIMUM ALLOWABLE SPACING BETWEEN FASTENERS.
4. TEMPERATURE CONTROL WIRING THAT IS NOT IN CONDUIT SHALL BE LABELED. PROVIDE A LABEL AT ALL POINTS WHERE TEMPERATURE CONTROL WIRING ENTERS CONDUIT AND AT CONNECTIONS TO DEVICES.
5. SEAL OPEN END OF CONDUIT AIR-TIGHT AROUND THERMOSTAT/SENSOR WIRE WITH SEALANT COMPOUND. SEE SPECS FOR APPROVED PRODUCT.
6. SEAL ANNULAR SPACE BETWEEN CONDUIT AND OPENING IN FLOOR OR WALL WITH SEALANT COMPOUND. SEE SPECS FOR APPROVED PRODUCT.
7. SEAL OPEN END OF CONDUIT AT J-BOX AIR-TIGHT AROUND THERMOSTAT/SENSOR WIRE. SEAL ALL AIR GAPS AROUND J-BOX TO ISOLATE J-BOX FROM WALL CAVITY. SEAL BACK OF THERMOSTAT AROUND WIRES. PACK J-BOX TIGHT WITH GLASS FIBER BAT INSULATION. USE SEALING COMPOUND SPECIFICALLY MADE FOR REFRIGERATION AND AIR-CONDITIONING APPLICATIONS. SEE SPECIFICATIONS FOR APPROVED PRODUCTS.
8. ELECTRIC HEATER ZONE. CONNECT UC TO 20 AMP RELAY AND THEN TO THERMAL OVERLOAD. REFER TO WIRING DIAGRAM, SHEET T ME701

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THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

BHD #: 2346
Owner #: 502-2004
Plan Series: G300-MH-11
County Parcel: 39-228:0001
Date: 15 Aug 2024

Drawing Issue and Revision Schedule

#	Date	Description

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EMAIL: esa@engsystems.com
ESA JOB NUMBER: 24066

REGISTERED PROFESSIONAL ENGINEER
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Aug 15, 2024
STATE OF UTAH

AUTOMATIC TEMPERATURE CONTROL PLANS

ME101

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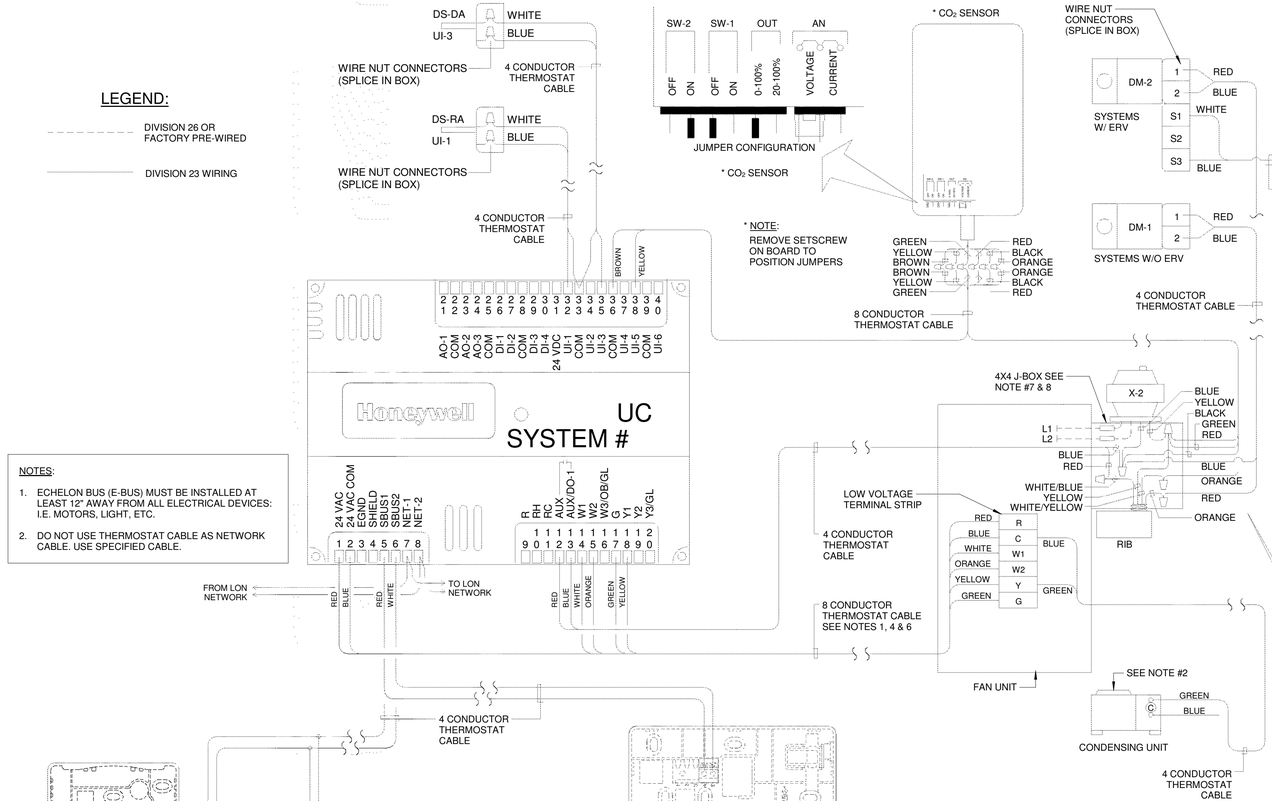
LEGEND:

DIVISION 26 OR FACTORY PRE-WIRED

DIVISION 23 WIRING

NOTES:

1. ECHELON BUS (E-BUS) MUST BE INSTALLED AT LEAST 12" AWAY FROM ALL ELECTRICAL DEVICES: I.E. MOTORS, LIGHT, ETC.
2. DO NOT USE THERMOSTAT CABLE AS NETWORK CABLE. USE SPECIFIED CABLE.



WIRING DIAGRAM

SYSTEMS: F-3, F-4, F-7, F-8, F-9, F-10, F-11, F-12, & F-13

ENERGY RECOVERY VENTILATOR WIRING

A

SYSTEMS: F-1, F-2, F-3, F-9, F-10, & F-11

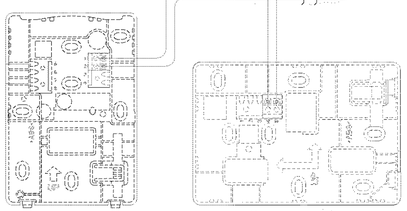
NOTES:

1. THERMOSTAT CABLE- 4, 8 OR 12 CONDUCTOR- 18 AWG SOLID COPPER WIRE INSULATED WITH HIGH DENSITY POLYETHYLENE. CONDUCTORS PARALLEL. ENCLOSED IN BROWN PVC JACKET. (NO 22 AWG CABLE ALLOWED).
2. IF COMPRESSOR UNITS HAVE THEIR OWN POWER SUPPLY IT MAY BE NECESSARY TO ADD ADDITIONAL RELAYS IN COMPRESSOR UNIT TO PROPERLY INTERFACE CONTROLS.
3. USE WIRE NUT CONNECTORS FOR SPLICING CONDUCTORS IN SPECIFIED LOCATIONS, AND TYTON TYPE CRIMP CONNECTORS FOR TERMINAL CONNECTIONS. NO TERMINAL CONNECTORS REQUIRED AT THERMOSTAT OR SENSOR.
4. DO NOT RUN ANY OTHER WIRING IN THIS CONDUIT EXCEPT THERMOSTAT CABLE.
5. VERIFY THAT FAN UNIT FAN SPEED CONTROL WIRING IS SET TO MATCH SCHEDULE SHEET AND THAT FAN OPERATES AT COOLING SPEED ONLY.
6. DO NOT SPLICE WIRE IN RUNS FROM SENSOR TO THERMOSTAT, THERMOSTAT TO FURNACE, AND THERMOSTAT TO DISCHARGE AIR SENSOR.
7. PROVIDE CHASE NIPPLE WITH PLASTIC BUSHING WHEN ATTACHING J-BOX TO EQUIPMENT.
8. PROVIDE CABLE-CLAMP SO THAT CABLES CANNOT BE PULLED OUT OF J-BOX.

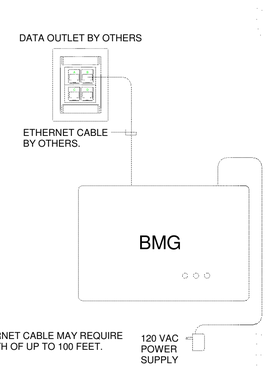
CONTROL EQUIPMENT

MARK	DESCRIPTION	CAT. NO. (1)	MARK	DESCRIPTION	CAT. NO. (1)
BMG	BUILDING MANAGEMENT GATEWAY	LGW1000 (GATEWAY) WPM-8000 (WALL PLUG)	RP-6	RELAY PANEL 24X18X6W/COVER	(2) (4)
UC	UNITARY CONTROLLER	YCRL64385R1000	DM-1	DAMPER MOTOR TWO POSITION	MS8105A1030
T	THERMOSTAT WALL MODULE	LCBS WALL MODULE	DM-2	DAMPER MOTOR 2 POS W/END SWITCH	MS8105A1130
	THERMOSTAT COVER PLATE ASSEMBLY	50002883-001	X-1	TRANSFORMER 120, 208, 240V/24V 75VA	AT175F1023
S	REMOTE SENSOR	TR40	X-2	TRANSFORMER 120V/24V 50VA	AT150F1022
G-1	THERMOSTAT GUARD	(2)	SD-1	DUCT SMOKE DETECTOR	(2)
DS	DUCT AIR SENSOR	C7041B2005	SR	SMOKE RELAY 30 AMP 120V COIL	DP2030B5003 (3)
CO_2	CO_2 SENSOR	C7232B1006	RIB	TWO POLE RELAY	RIBU1C (2)
ZP-1	ZONING PANEL (3 ZONES)	HZ322	RIB 20A	TWO POLE RELAY 20 AMP	RIB2401B (6)
ZP-2	ZONING PANEL (4 ZONES)	HZ432	OAS	GLOBAL OUTDOOR AIR SENSOR	C7041F2006 (7)
Z*	ZONE DAMPER (*=ZONE NUMBER)	ZD or ARD (5)	CRO	COMBINATION RELAY & THERMAL OVERLOAD DISCONNECT	(2) (4)
			E-BUS	ECHELON NETWORK CABLE	W221P-2001B

(1) ALL CATALOG NUMBERS SHOWN ARE HONEYWELL UNLESS NOTED OTHERWISE.
(2) SEE SPECIFICATIONS
(3) PROVIDE ENCLOSURE
(4) TO BE PURCHASED FROM AN APPROVED PER-BUILT PANEL BUILDER SEE SPECIFICATION.
(5) SEE PLAN FOR REQUIRED SIZE AND ZONE NUMBER.
(6) USE WITH CRO DISCONNECTFOR ELECTRIC WALL HEATER. CONTROL FROM UC.
(7) ONLY ONE REQUIRED FOR BUILDING. MAY BE CONNECTED TO ANY CONTROLLER AT NORTH SIDE.



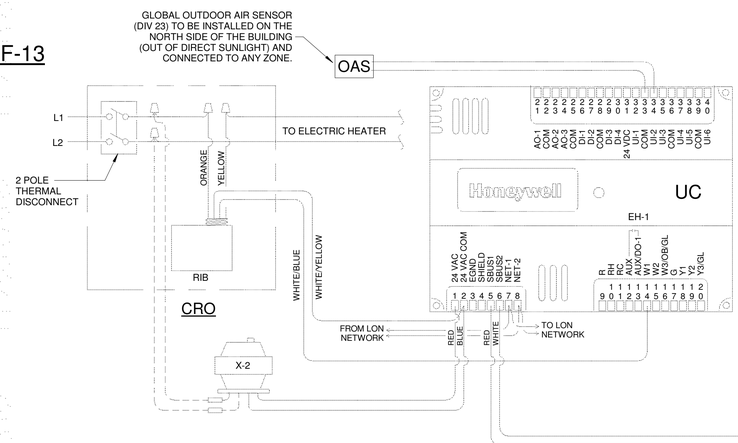
SYSTEMS: F-7, F-8, F-9, F-10 & F-13



NOTES:

1. ETHERNET CABLE MAY REQUIRE LENGTH OF UP TO 100 FEET.

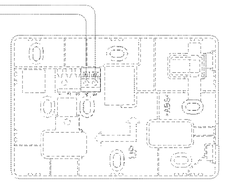
BMG WIRING DIAGRAM



ELECTRIC HEATER WIRING DIAGRAM

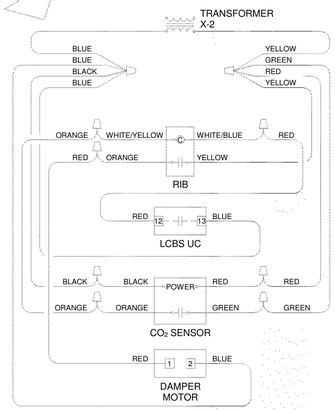
NOTES:

1. REFER TO NOTE 8 ON SHEET ME101.



T

SYSTEM: EH-1



WIRING SCHEMATIC, X-2

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Drawing Issue and Revision Schedule

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AUTOMATIC TEMPERATURE CONTROL WIRING AND SCHEDULES

ME701

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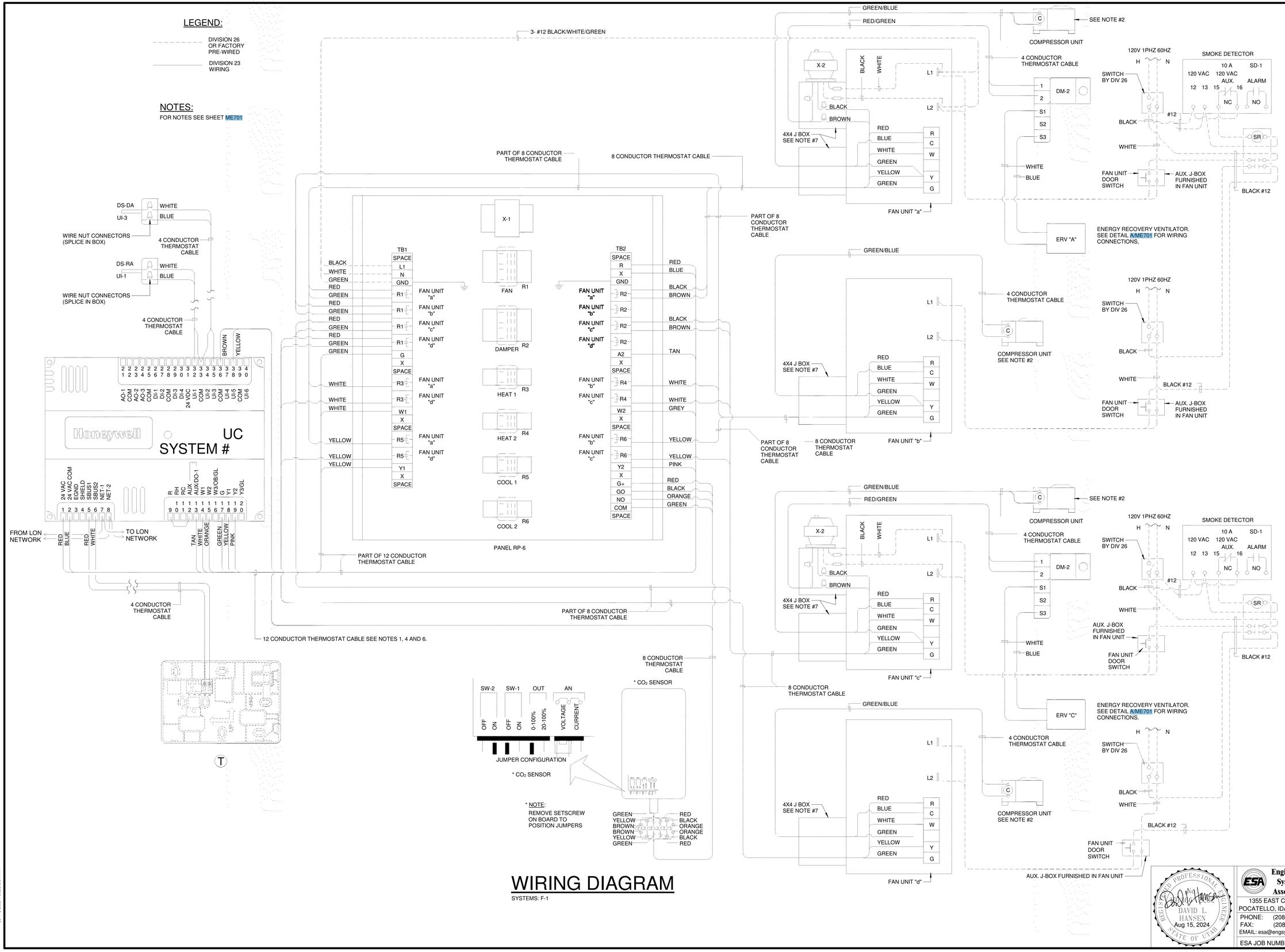
LEGEND:

DIVISION 26 OR FACTORY PRE-WIRED

DIVISION 23 WIRING

NOTES:

FOR NOTES SEE SHEET ME701



WIRING DIAGRAM

SYSTEMS: F-1

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Drawing Issue and Revision Schedule

#	Date	Description

AUTOMATIC TEMPERATURE CONTROL WIRING

ME702

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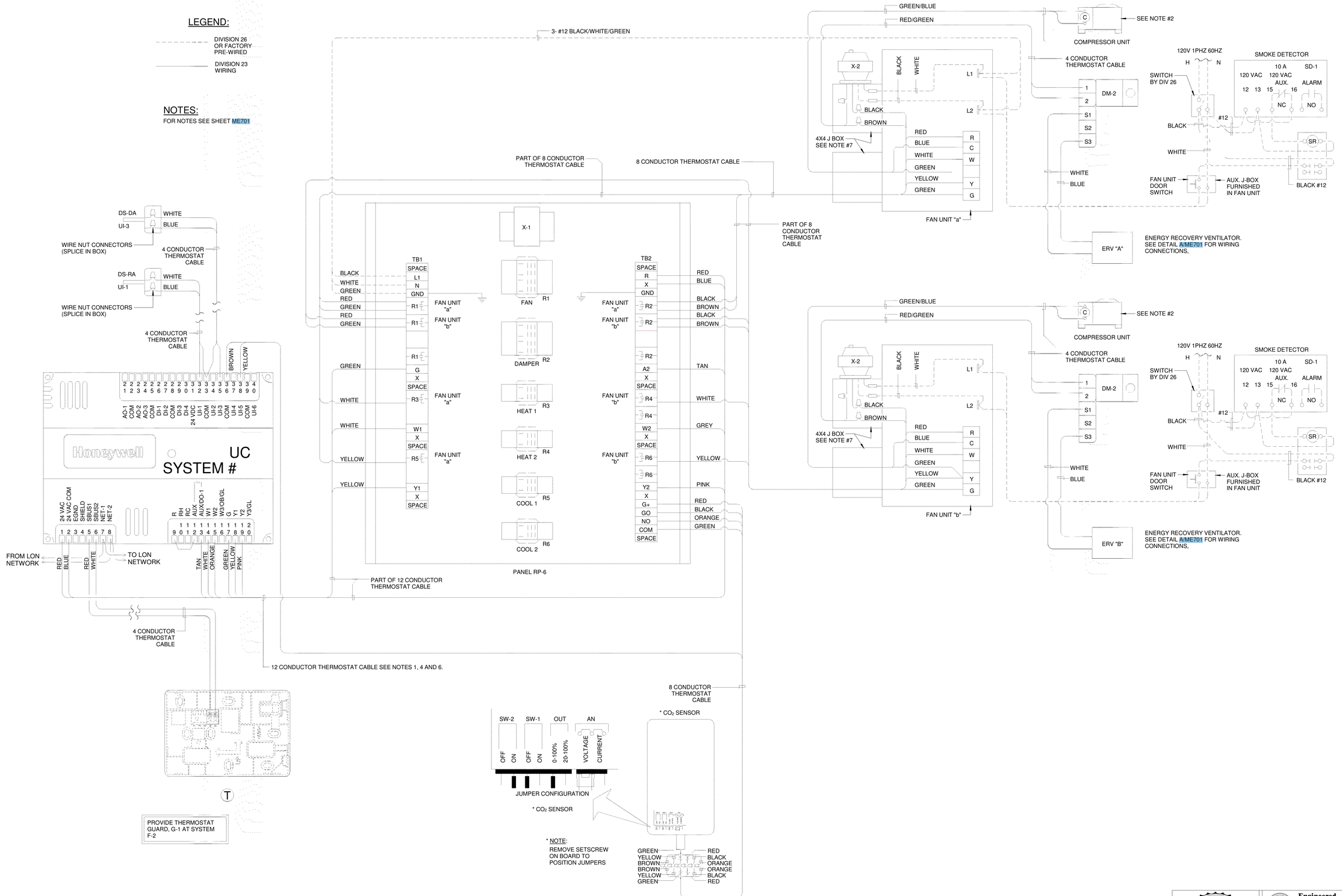
LEGEND:

DIVISION 26 OR FACTORY PRE-WIRED

DIVISION 23 WIRING

NOTES:

FOR NOTES SEE SHEET ME701



WIRING DIAGRAM

SYSTEMS: F-2

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Plan Series: G300-MH-11
Owner #: 502-2004
Date: 15 Aug 2024

Drawing Issue and Revision Schedule

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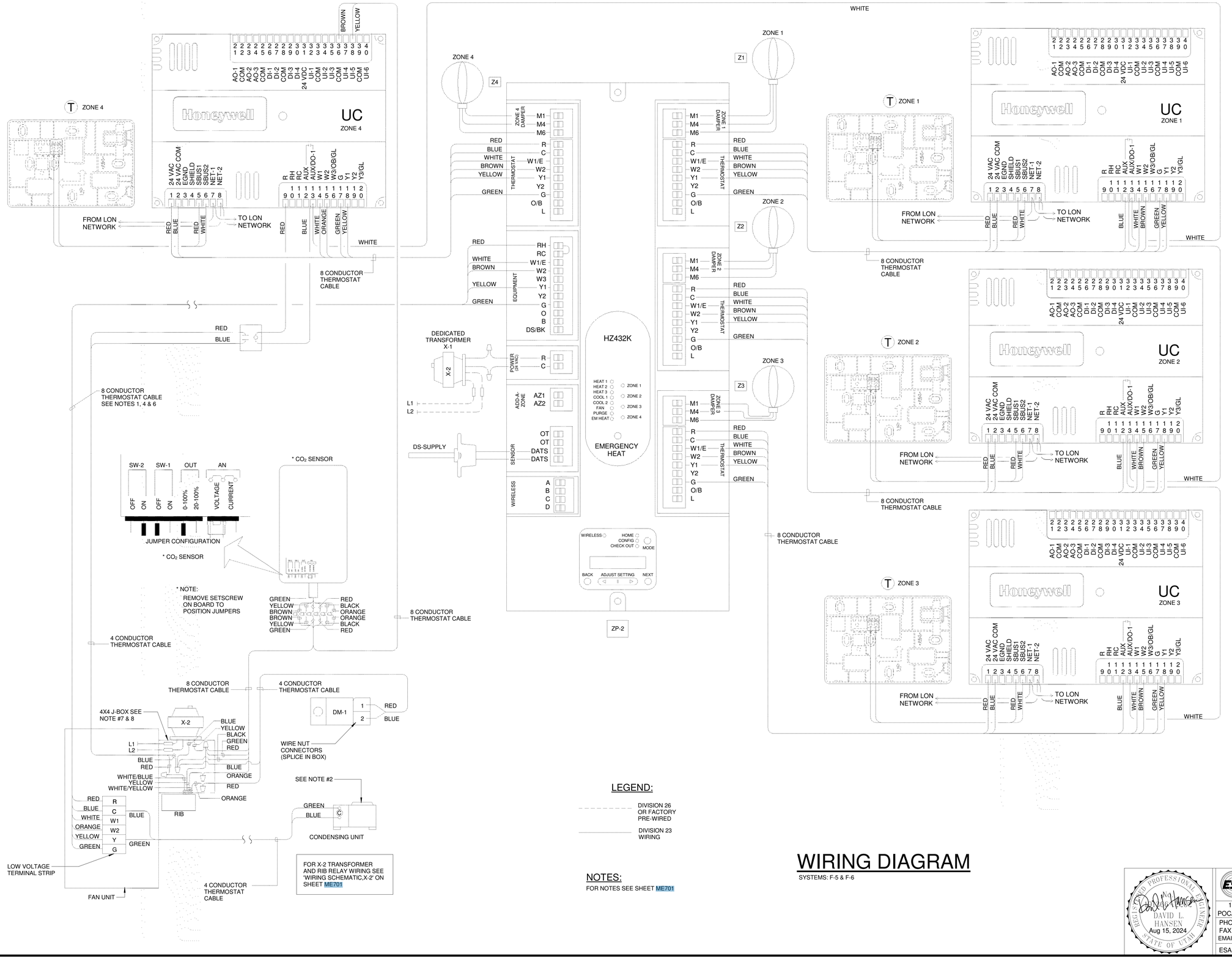
AUTOMATIC TEMPERATURE CONTROL WIRING

ME703

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REGISTERED PROFESSIONAL ENGINEER
DAVID L. HANSEN
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STATE OF UTAH

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LEGEND:

- DIVISION 26 OR FACTORY PRE-WIRED
- DIVISION 23 WIRING

NOTES:

FOR NOTES SEE SHEET ME701

WIRING DIAGRAM

SYSTEMS: F-5 & F-6

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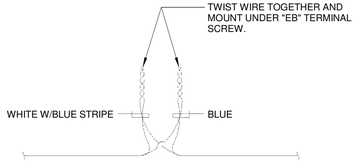
AUTOMATIC TEMPERATURE CONTROL WIRING

ME704

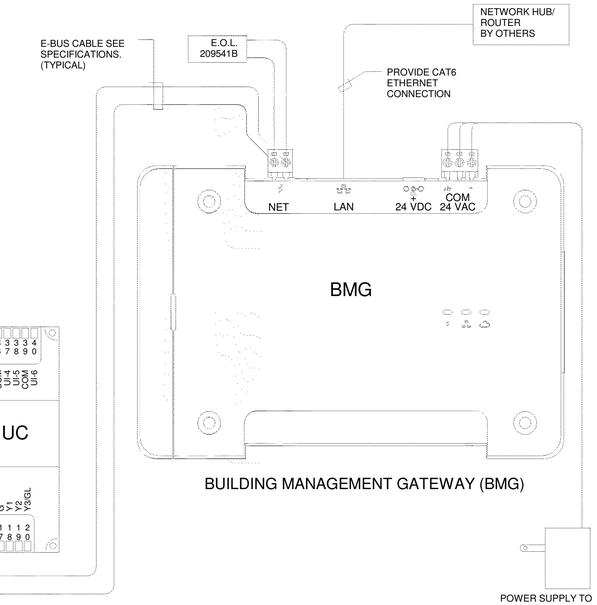
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Aug 15, 2024
STATE OF UTAH

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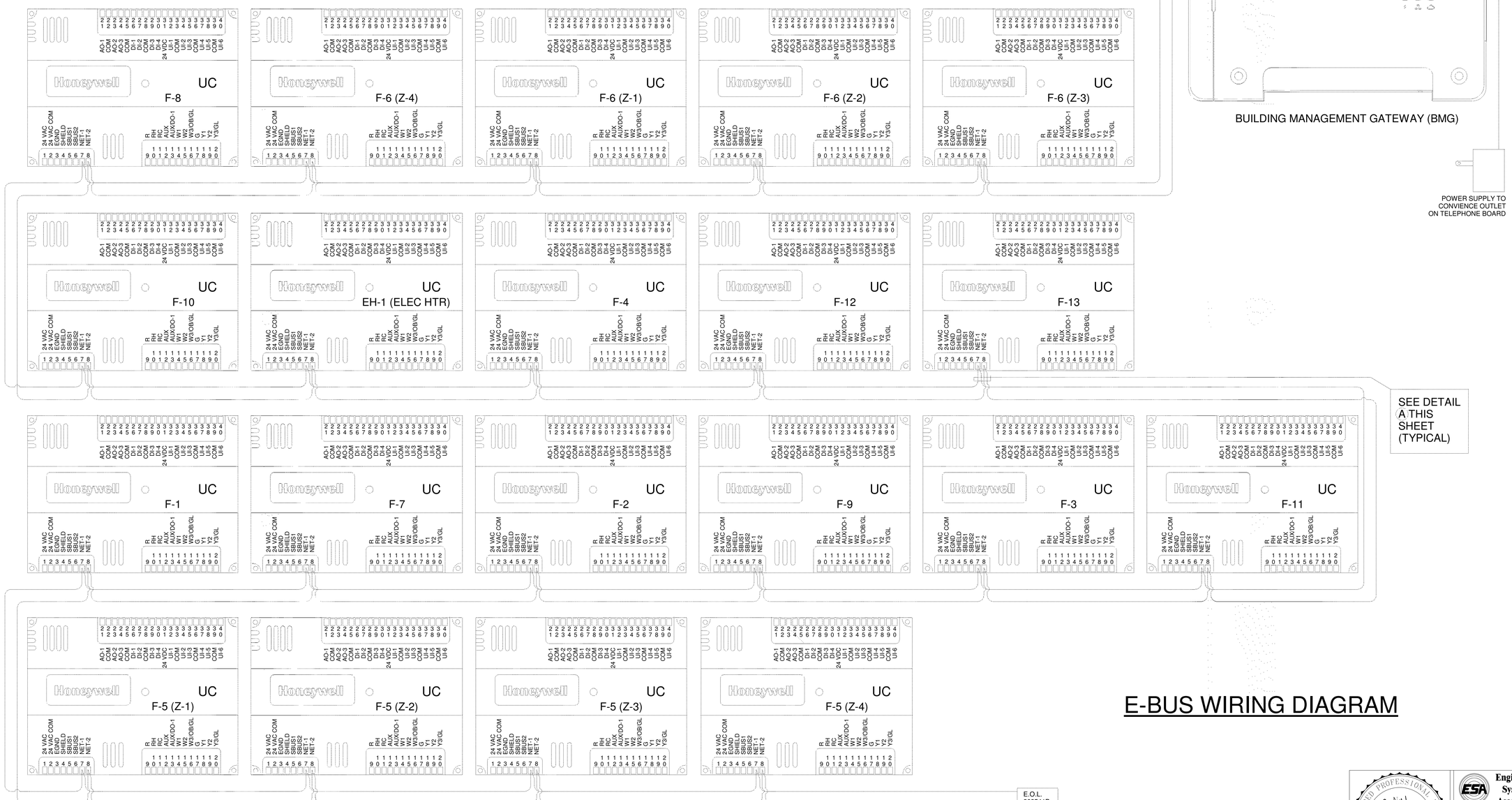
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A E-BUS CONNECTION DETAIL
NO SCALE



BUILDING MANAGEMENT GATEWAY (BMG)



E-BUS WIRING DIAGRAM

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Date:	15 Aug 2024	BHD #:	2346
		County Parcel:	39:228:0001
		Plan Series:	G300-MH-11
		Owner #:	502-2004

Drawing Issue and Revision Schedule

#	Date	Description

AUTOMATIC TEMPERATURE CONTROL WIRING

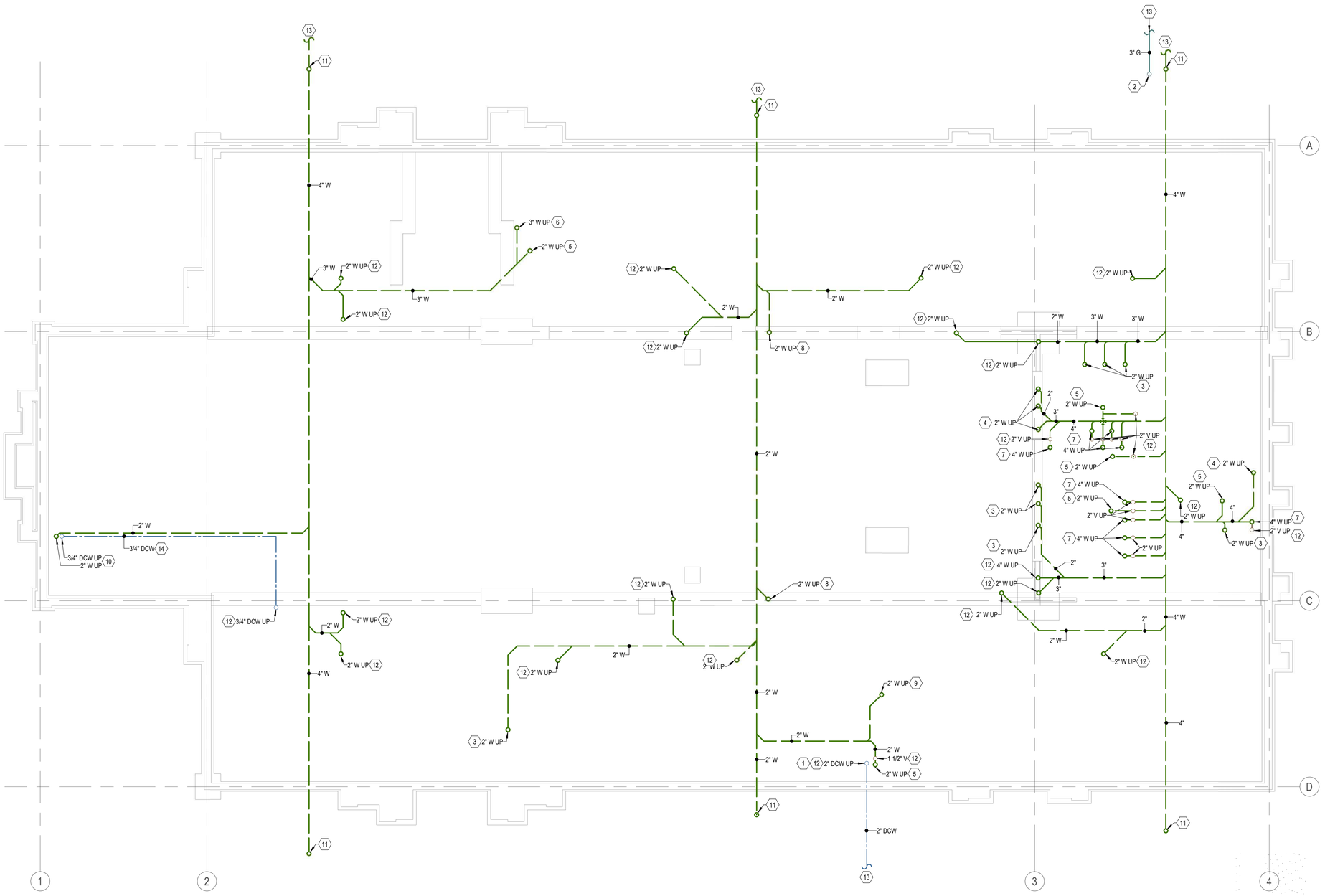
ME705

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1 BELOW-GRADE PLUMBING PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. ALL PLUMBING SHALL COMPLY WITH THE MOST STRINGENT OF APPLICABLE CODES, ORDINANCES, OR THE SPECIFICATIONS.
2. ALL FIXTURES SHALL BE PROPERLY VENTED TO THE ATMOSPHERE.
3. REFER TO MECHANICAL SHEETS FOR LOCATIONS OF MECHANICAL EQUIPMENT AND DUCTWORK AND CORRELATE ALL WORK TO FIT AVAILABLE SPACE.
4. GAS LINE TO BE RUN IN MECHANICAL EQUIPMENT ACCESS AREA UNLESS OTHERWISE NOTED OR SHOWN.
5. WATER PIPING AND VENT PIPING SHALL BE RUN IN MECHANICAL EQUIPMENT ACCESS AREA UNLESS OTHERWISE NOTED OR SHOWN.
6. FOR INDIVIDUAL LINE SIZES TO FIXTURES SEE PLUMBING FIXTURE SCHEDULE SHEET P601.
7. DO NOT RUN PLUMBING IN SHEAR WALLS UNLESS NOTED OTHERWISE.
8. MINIMUM WATER PIPING UNDER CONCRETE SLAB SHALL BE 3/4".
9. DUE TO THE CLOSE PROXIMITY OF THE WATER, VENT AND DRAIN PIPING AS WELL AS DUCTWORK, EQUIPMENT, AND HVAC PIPING, THE PLUMBING CONTRACTOR SHALL COORDINATE THE INSTALLATION WITH THE MECHANICAL AND SHEET METAL CONTRACTORS.
10. FOR PIPE SIZES NOT SHOWN ON THIS SHEET, SEE LARGE SCALE PLANS AND PIPING SCHEMATICS SHEET P401 AND P601.
11. REFER TO MECHANICAL SHEETS FOR ANY ADDITIONAL WORK.
12. COORDINATE LOCATION OF EACH DOMESTIC WATER ISOLATION VALVE WITH MECHANICAL AND SHEET METAL INSTALLATION TO PROVIDE REQUIRED ACCESS AND VISIBILITY TO VALVE.

(#) KEYED NOTES

1 2" DCW UP TO WATER PRESSURE REDUCING STATION. REFER TO DETAIL B/P501.
2 3" GAS MAIN RISES TO PRESSURE REGULATOR AND GAS METER. SEE SHEET P101 FOR CONTINUATION.
3 2" WASTE UP TO LAVATORY.
4 2" WASTE UP TO URINAL.
5 2" WASTE UP TO FLOOR DRAIN.
6 3" WASTE UP TO SERVICE SINK.
7 4" WASTE UP TO WATER CLOSET.
8 2" WASTE UP TO DRINKING FOUNTAIN.
9 2" WASTE UP TO SINK.
10 3/4" DCW AND 2" WASTE UP TO SACRAMENT SINK.
11 PIPE RISES UP TO CLEANOUT AT GRADE.
12 PIPE RISES TO LEVEL ABOVE. SEE SHEET P101 FOR CONTINUATION.
13 SEE SITE UTILITY PLAN FOR CONTINUATION.
14 ROUTE PIPING AT LEAST 3' BELOW GRADE TO BE BELOW FROST DEPTH.

LEGEND

MEANING	SYMBOL OR ABBREVIATION	MEANING	SYMBOL OR ABBREVIATION	MEANING	SYMBOL OR ABBREVIATION
HOT WATER LINE		CONDENSATE DRAIN	D	WALL CLEANOUT	WCO
HOT WATER CIRCULATION LINE		SECONDARY CONDENSATE DRAIN	SD	CLEANOUT TO GRADE	COTG
COLD WATER LINE		UNION		VENT THRU ROOF	VTR
VENT LINE		BALL VALVE		CIRCULATING PUMP OCCUPANCY SENSOR	
WASTE LINE		GAS LINE	G		

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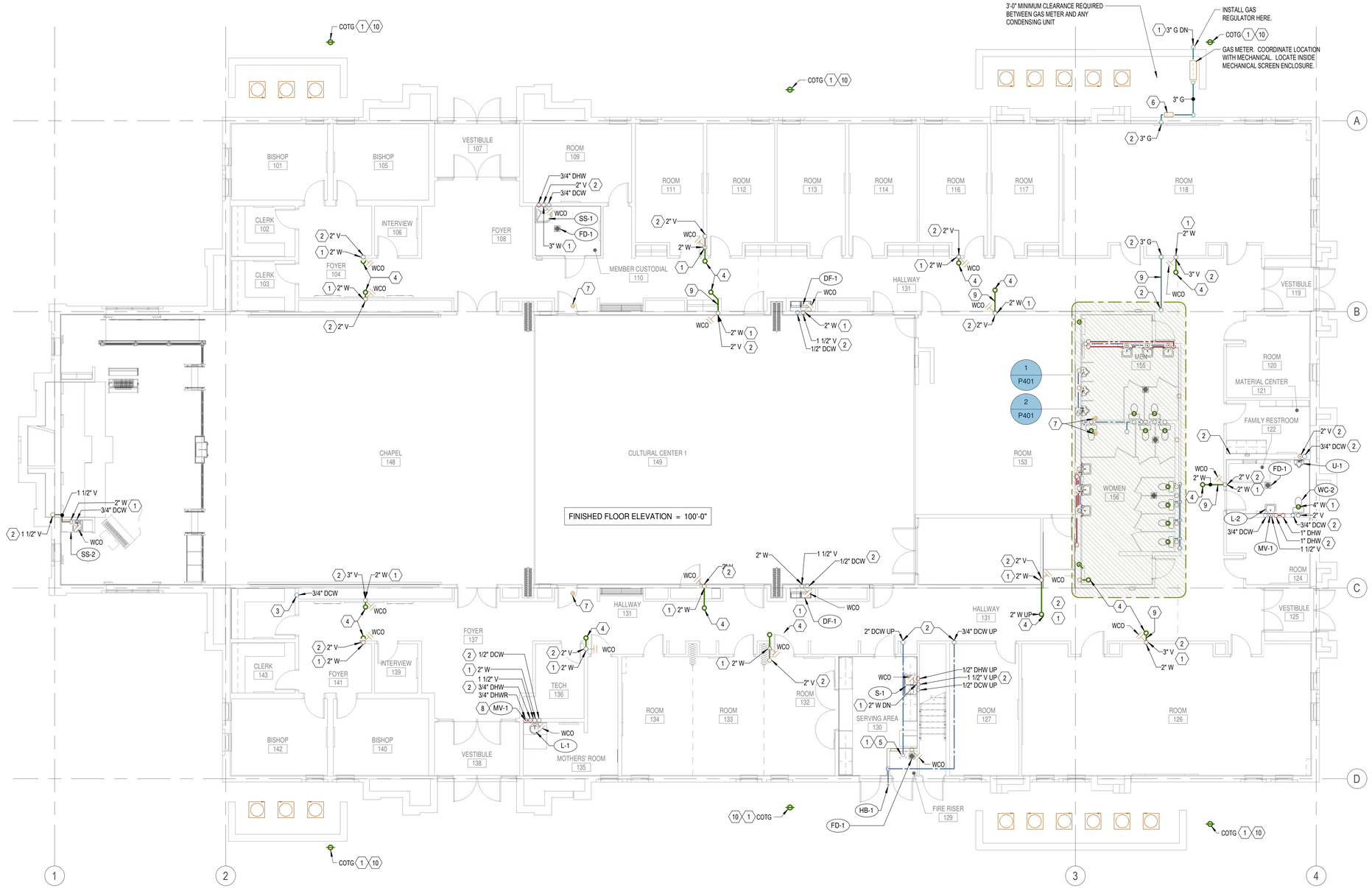
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BELOW-GRADE PLUMBING PLAN

P100

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GENERAL NOTES

1. ALL PLUMBING SHALL COMPLY WITH THE MOST STRINGENT OF APPLICABLE CODES, ORDINANCES, OR THE SPECIFICATIONS.
2. ALL FIXTURES SHALL BE PROPERLY VENTED TO THE ATMOSPHERE.
3. REFER TO MECHANICAL SHEETS FOR LOCATIONS OF MECHANICAL EQUIPMENT AND DUCTWORK AND CORRELATE ALL WORK TO FIT AVAILABLE SPACE.
4. GAS LINE TO BE RUN IN MECHANICAL EQUIPMENT ACCESS AREA UNLESS OTHERWISE NOTED OR SHOWN.
5. WATER PIPING AND VENT PIPING SHALL BE RUN IN MECHANICAL EQUIPMENT ACCESS AREA UNLESS OTHERWISE NOTED OR SHOWN.
6. FOR INDIVIDUAL LINE SIZES TO FIXTURES SEE PLUMBING FIXTURE SCHEDULE SHEET P601.
7. DO NOT RUN PLUMBING IN SHEAR WALLS UNLESS NOTED OTHERWISE.
8. MINIMUM WATER PIPING UNDER CONCRETE SLAB SHALL BE 3/4".
9. DUE TO THE CLOSE PROXIMITY OF THE WATER, VENT AND DRAIN PIPING AS WELL AS DUCTWORK, EQUIPMENT, AND HVAC PIPING, THE PLUMBING CONTRACTOR SHALL COORDINATE THE INSTALLATION WITH THE MECHANICAL AND SHEET METAL CONTRACTORS.
10. FOR PIPE SIZES NOT SHOWN ON THIS SHEET, SEE LARGE SCALE PLANS AND PIPING SCHEMATICS SHEET P401 AND P601.
11. REFER TO MECHANICAL SHEETS FOR ANY ADDITIONAL WORK.
12. COORDINATE LOCATION OF EACH DOMESTIC WATER ISOLATION VALVE WITH MECHANICAL AND SHEET METAL INSTALLATION TO PROVIDE REQUIRED ACCESS AND VISIBILITY TO VALVE.
13. COORDINATE EXACT LOCATION OF HW CIRCULATION PUMP OCCUPANCY SENSORS WITH ARCHITECT. LOCATE ON CEILING AWAY FROM LIGHTS, DIFFUSERS, AND FIRE SPRINKLER HEADS. COORDINATE INSTALLATION OF J-BOX AND CONDUIT WITH DIV. 26.

KEYED NOTES

#	
1	PIPE DROPS DOWN BELOW-GRADE. REFER TO SHEET P100 FOR CONTINUATION.
2	PIPE RISES UP TO THE EQUIPMENT PLATFORM. REFER TO SHEET P102 FOR CONTINUATION.
3	PIPE DROPS DOWN BELOW-GRADE AND RISES UP TO THE EQUIPMENT PLATFORM. REFER TO SHEETS P100 AND P102 FOR CONTINUATION.
4	2" WASTE UP TO CONDENSATE RECEIVER, CR. SEE DETAIL H/P501. COORDINATE WITH MECHANICAL DUCTWORK AND EQUIPMENT. REFER TO SHEET P102 FOR CONTINUATION.
5	WATER PRESSURE REDUCING STATION. REFER TO DETAIL B/P501.
6	REFER TO DETAIL A/P501.
7	HW CIRCULATION PUMP HARDWIRED OCCUPANCY SENSOR LOCATION. SEE GENERAL NOTE #13.
8	THERMOSTATIC MIXING VALVE INSIDE WALL WITH LOCKING ACCESS DOOR. COORDINATE LOCATION WITH ARCHITECTURAL.
9	PIPING RUN HORIZONTALLY IN FLOOR/CEILING JOISTS, TYPICAL.
10	REFER TO DETAIL E/P501.

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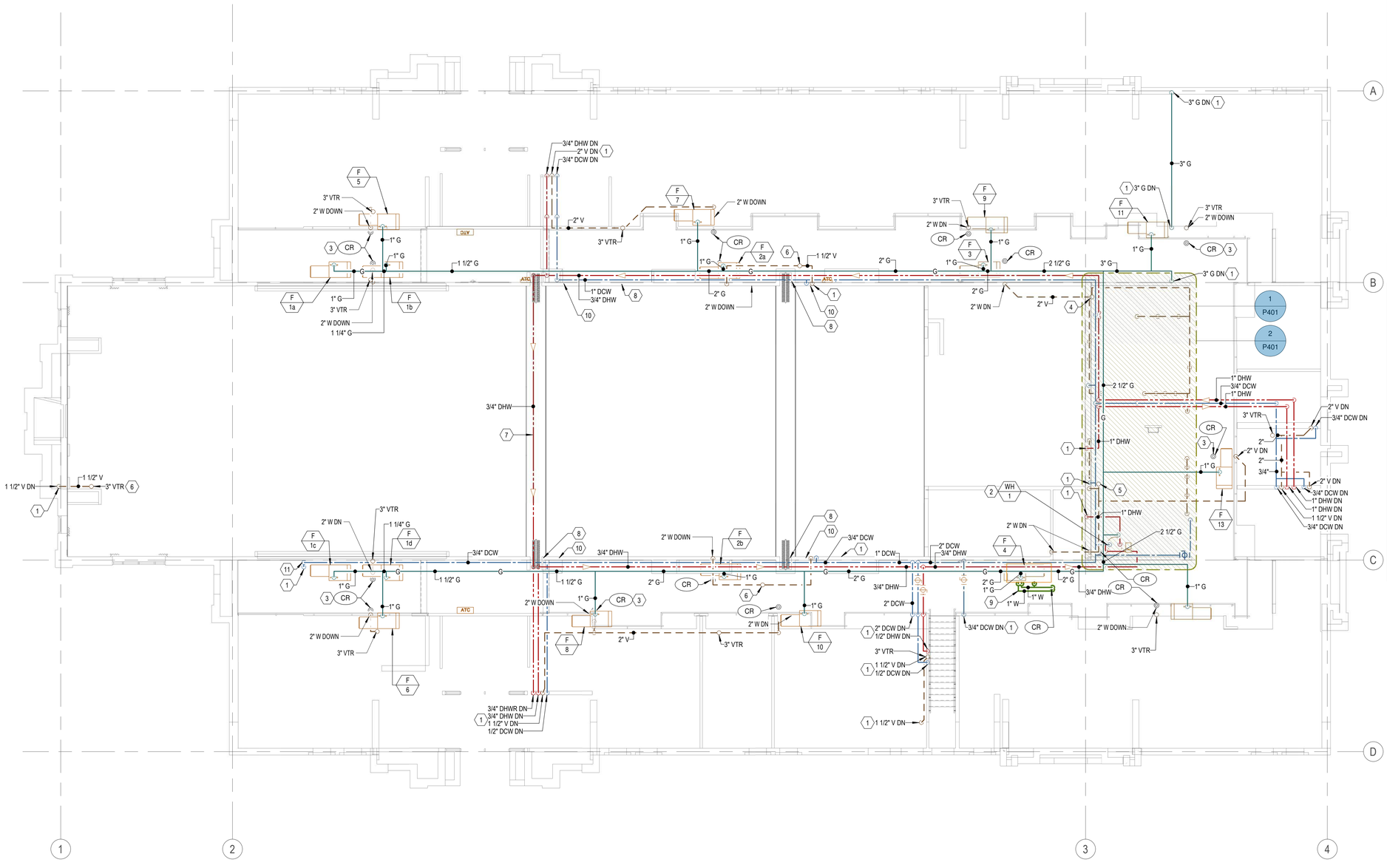
MAIN FLOOR PLUMBING PLAN

P101

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DAVID L. HANSEN
Aug 15, 2024
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1 EQUIPMENT PLATFORM PLUMBING PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. LEAVE 6" CLEAR SPACE ON EQUIPMENT DECK BETWEEN FAN UNITS, DUCTWORK, ETC. AND HIGH WALL FOR GAS PIPING, CONDUIT, DRAINS, ETC. RACK ALL PIPING AND CONDUIT ON WALL WITH UNISTRUT.
2. REFER TO MECHANICAL SHEETS FOR LOCATIONS OF MECHANICAL EQUIPMENT AND DUCTWORK. COORDINATE ALL WORK TO FIT AVAILABLE SPACE.
3. DO NOT BLOCK ACCESS WALKWAY WITH PIPING, DUCT, CONDUIT, ETC. WHEN CROSSING WALKWAY RUN HIGH OVERHEAD. NO PIPING, DUCTWORK, CONDUIT, ETC. SHALL BE RUN LOWER THAN DUCTWORK SHOWN IN SECTIONS ON SHEET M301.
4. DUE TO THE CLOSE PROXIMITY OF THE WATER, VENT, DRAIN PIPING, AND DUCTWORK, THE PLUMBING CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL PLUMBING WITH THE MECHANICAL AND SHEET METAL CONTRACTORS.
5. TYPICAL FOR ALL FAN UNITS AND COOLING COILS. DO NOT OBSTRUCT WALKWAY. SHOWN HERE FOR CLARITY ONLY. REFER TO DETAIL D/M503; COMBINE PRIMARY DRAINS OF EACH FAN UNIT AND COOLING COIL TO A 1" PIPE SIZE. SEE DETAIL B/P502 FOR PIPE SUPPORT.

KEYED NOTES

#	
1	REFER TO SHEET P101 FOR CONTINUATION.
2	REFER TO DETAIL F/P501.
3	REFER TO DETAIL H/P501; TYPICAL.
4	3" VTR.
5	4" VTR.
6	VENT LINE UP TO 3" VTR.
7	CONTRACTOR SHALL RUN ALL WATER LINES WITHIN BUILDING INSULATION ENVELOPE.
8	PIPING IS SHOWN HORIZONTALLY MOUNTED FOR CLARITY. PIPING SHALL BE STACKED ON THE WALL.
9	FAN UNIT DRAIN PAN WITH SD (SECONDARY DRAIN) AND D (DRAIN) LINES RUN TO NEAREST CR-1. SEE GENERAL NOTE #5. REFER TO DETAIL D/M503; TYPICAL FOR ALL FAN UNITS.
10	ROUTE PIPING AS NEEDED TO GO AROUND CURTAIN WALL CAVITIES.
11	PROVIDE SACRAMENT SINK SHUT-OFF VALVE IN VERTICAL PIPE AT THIS LOCATION. COORDINATE VALVE LOCATION WITH OTHER DISCIPLINES TO MAINTAIN ACCESSIBILITY.

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THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

BHD #: 2346
County Parcel: 39-228:0001
Plan Series: G300-MH-11
Owner #: 502-2004
Date: 15 Aug 2024

Drawing Issue and Revision Schedule

#	Date	Description

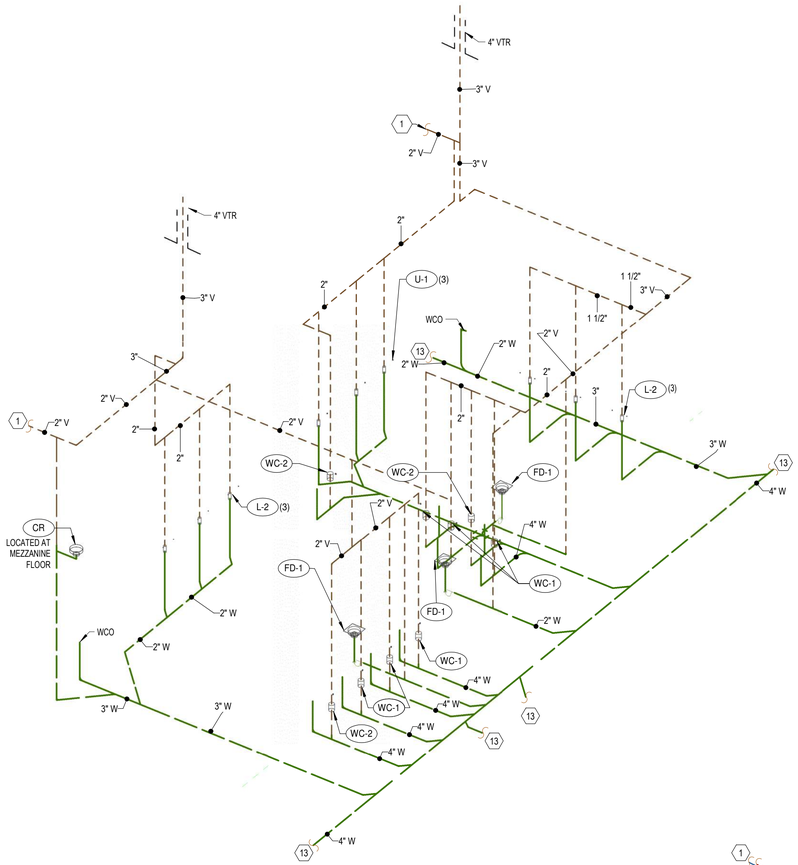
EQUIPMENT PLATFORM PLUMBING PLAN

P102

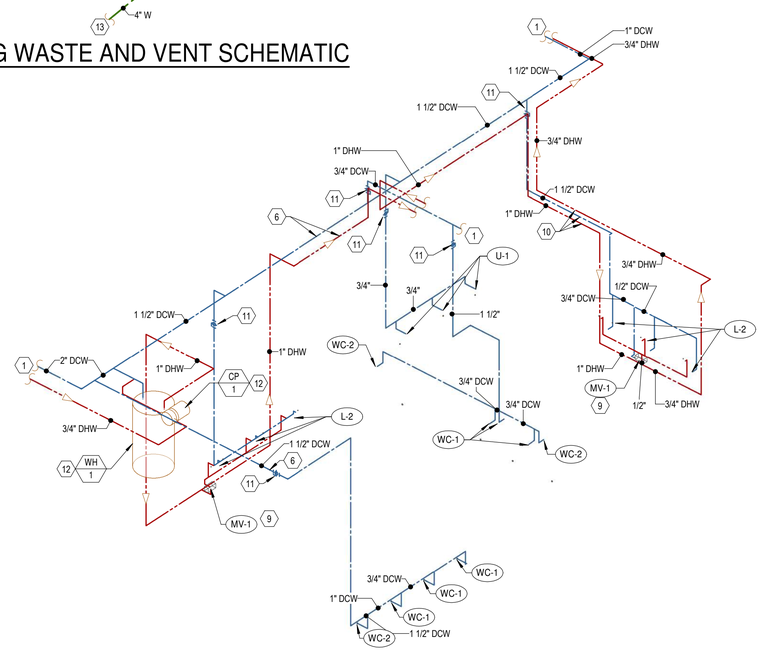
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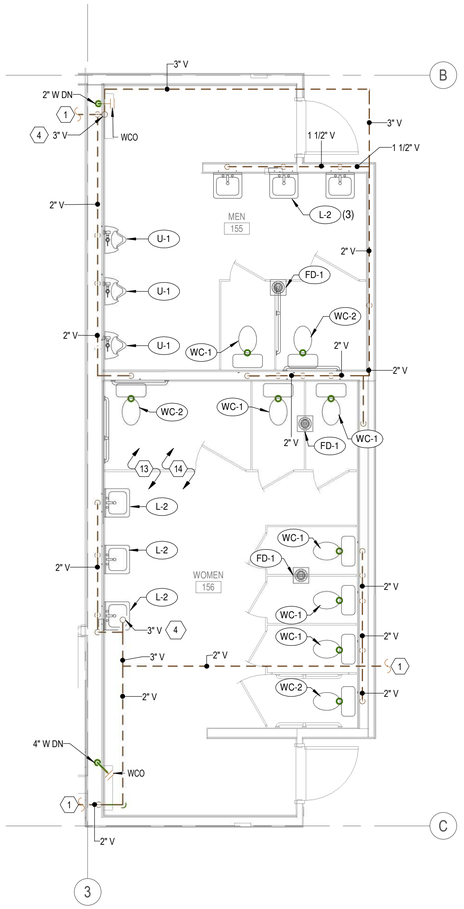
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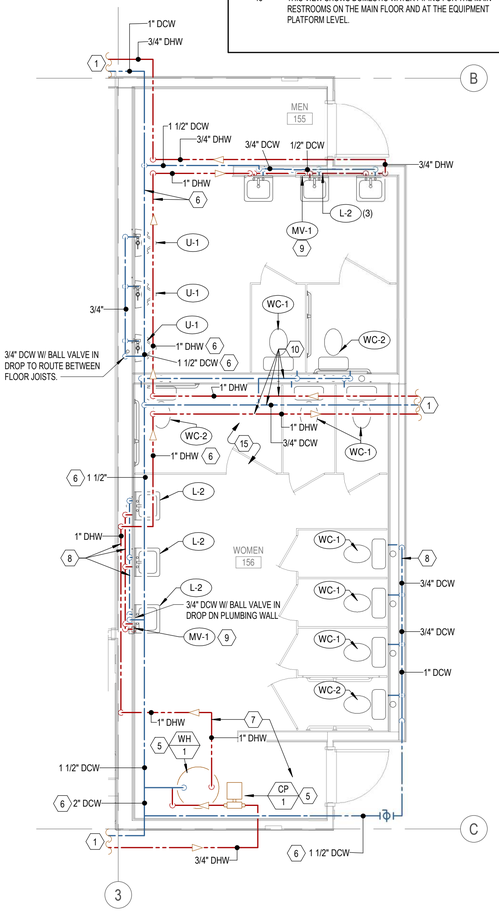
3 PLUMBING WASTE AND VENT SCHEMATIC
SCALE:



4 PLUMBING WATER SUPPLY SCHEMATIC
SCALE:



2 LARGE SCALE WASTE AND VENT PIPING PLAN
SCALE: 1/4" = 1'-0"



1 LARGE SCALE DOMESTIC WATER PIPING PLAN
SCALE: 1/4" = 1'-0"

KEYED NOTES

#	
1	REFER TO SHEET P102 FOR CONTINUATION.
4	4" VTR.
5	WATER HEATER AND CIRCULATOR PUMP LOCATED AT MEZZANINE LEVEL SHOWN FOR CLARITY.
6	WATER PIPING LOCATED ON WALL AT MEZZANINE LEVEL SHOWN HORIZONTALLY FOR CLARITY.
7	WATER PIPING LOCATED AT MEZZANINE LEVEL SHOWN FOR CLARITY.
8	WATER PIPING LOCATED IN PLUMBING WALL AT FIXTURE LEVEL.
9	THERMOSTATIC MIXING VALVE INSIDE WALL WITH LOCKING ACCESS DOOR. COORDINATE LOCATION WITH ARCHITECTURAL.
10	PIPING RUN HORIZONTALLY IN FLOOR/CEILING JOISTS.
11	BRANCH SHUT-OFF VALVE. SEE GENERAL NOTE #12 ON SHEET P101.
12	REFER TO DETAIL F/P501.
13	FOR BELOW-GRADE PIPING, REFER TO SHEET P100.
14	THIS VIEW INCLUDES DWV PIPING FOR THE MAIN RESTROOMS ABOVE GRADE.
15	THIS VIEW SHOWS DOMESTIC WATER PIPING FOR THE MAIN RESTROOMS ON THE MAIN FLOOR AND AT THE EQUIPMENT PLATFORM LEVEL.

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LARGE SCALE PLUMBING PLANS

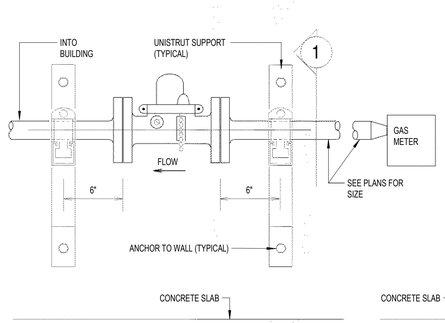
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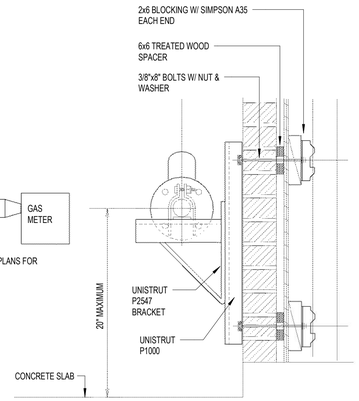
P401

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NOTES:
1. VALVE MUST BE INSTALLED WITH THE CHAIN AND RESET BUTTON FACING OUT AND ACCESSIBLE.
2. THE CHAIN IS A PLUMB LINE. MAKE SURE VALVE IS MOUNTED ABSOLUTELY LEVEL AND NO PART OF THE CHAIN IS TOUCHING THE RING.
3. VALVE MUST BE INSTALLED WITH GAS FLOW IN DIRECTION OF "ARROW" CAST INTO VALVE BODY.
4. SEISMIC VALVE TO BE LOCATED WITHIN THE FIRST SIX LINEAL FEET OF PIPE FROM METER.
5. SEISMIC VALVE MUST BE SAME SIZE AS LINE INTO BUILDING. SEISMIC VALVE MUST BE 2" MINIMUM FLANGED.

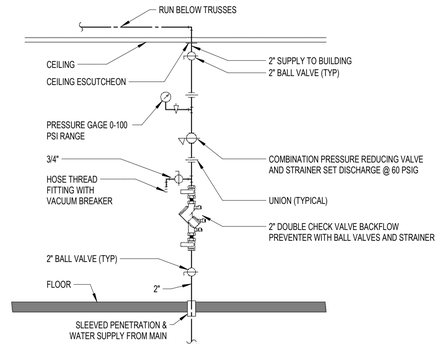


ELEVATION VIEW

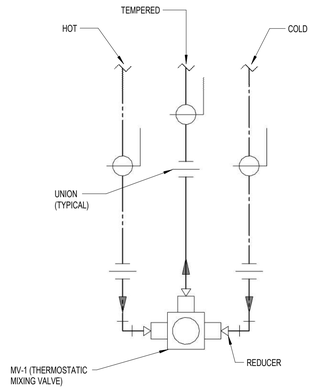


1 SECTION
SCALE: NONE

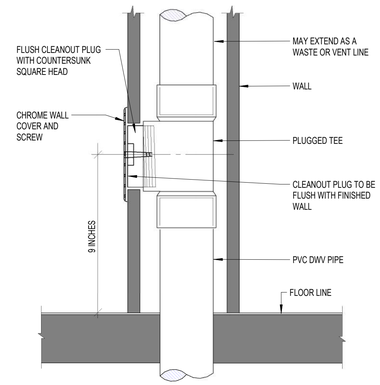
A SEISMIC VALVE DETAIL
NOT TO SCALE



B VERTICAL WATER PRESSURE REDUCING STATION DETAIL
NOT TO SCALE



C MIXING VALVE PIPING SCHEME
NOT TO SCALE

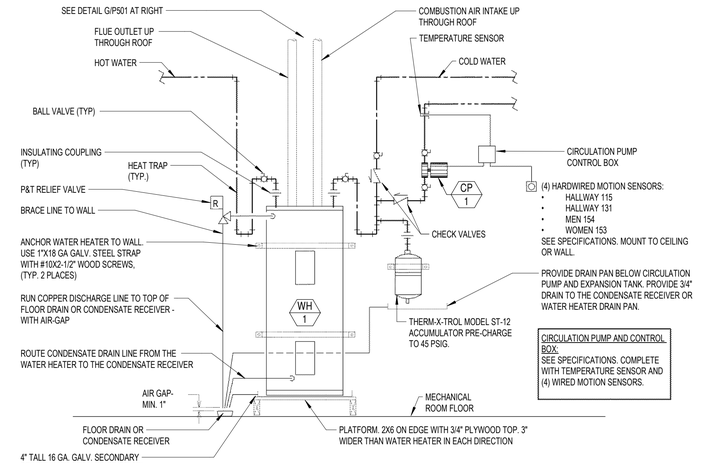


D WALL CLEANOUT DETAIL
NOT TO SCALE

FLOOR CLEANOUT (FCO)
CLEANOUT NOT TO BE LOCATED IN CARPETED AREA

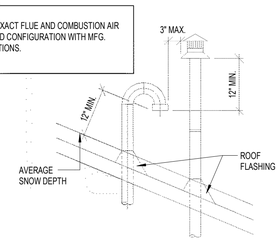
CLEANOUT TO GRADE (COTG) (CONCRETE & GRADE)

E CLEANOUT DETAILS
NOT TO SCALE

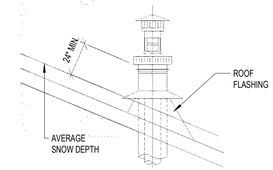


F TANK WATER HEATER PIPING DETAIL
NOT TO SCALE

NOTE:
COORDINATE EXACT FLUE AND COMBUSTION AIR PIPE SIZING AND CONFIGURATION WITH MFG. RECOMMENDATIONS.

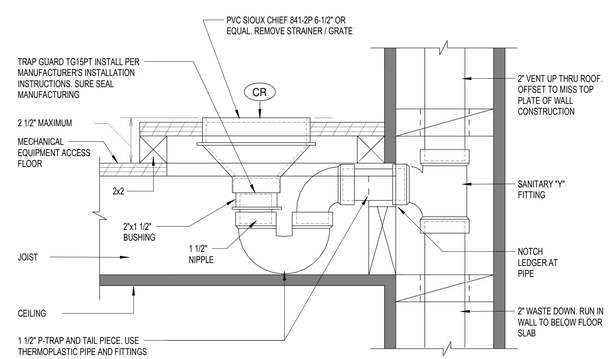


DOUBLE ROOF PENETRATION

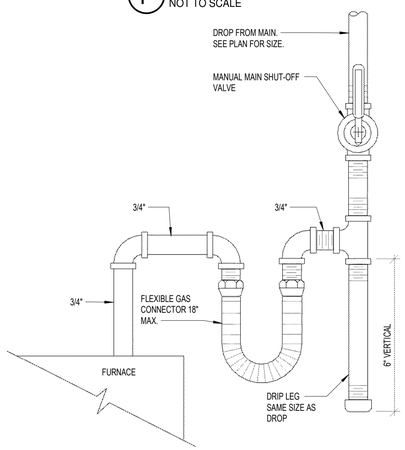


SINGLE ROOF PENETRATION

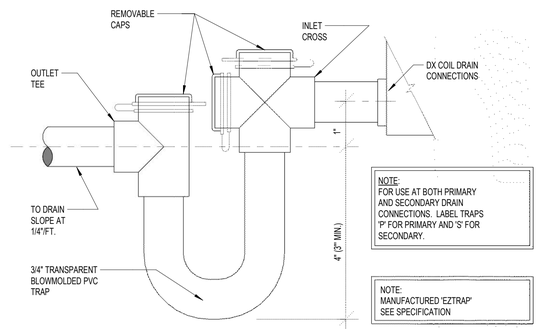
G WATER HEATER VENTING PENETRATION DETAILS
NOT TO SCALE



H CONDENSATE RECEIVER DETAIL
NOT TO SCALE



J GAS LINE CONNECTION DETAIL
NOT TO SCALE



K DX COIL CONDENSATE DRAIN DETAIL
NOT TO SCALE

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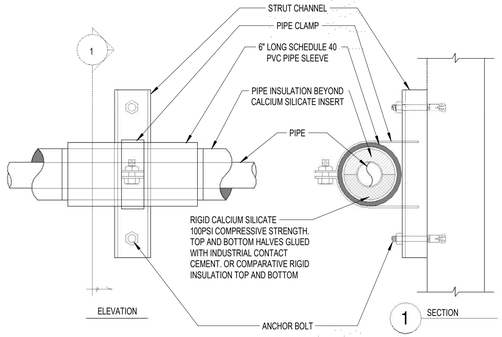
#	Date	Description

PLUMBING DETAILS

P501

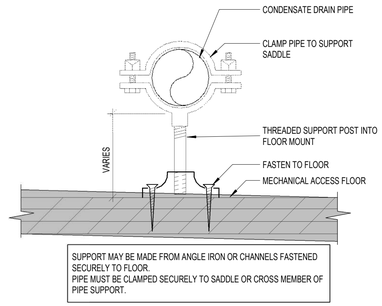
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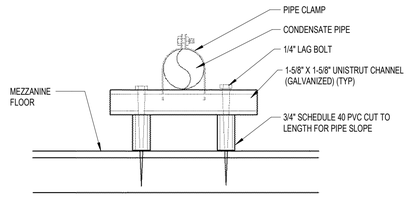
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Aug 15, 2024
STATE OF UTAH



A WALL PIPE SUPPORT DETAIL

NOT TO SCALE

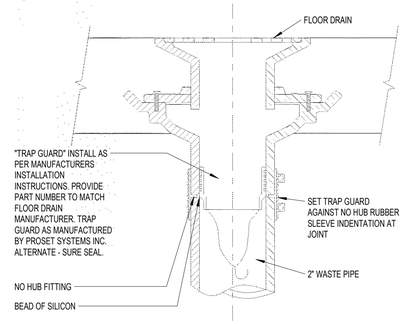




CONDENSATE DRAIN PIPING MAY BE INSTALLED USING EITHER OF THESE TWO SUPPORT METHODS

B CONDENSATE DRAIN PIPE SUPPORT DETAIL

NOT TO SCALE



C TRAP GUARD TRAP SEAL DETAIL

NOT TO SCALE

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PLUMBING DETAILS

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PLUMBING FIXTURE SCHEDULE

TAG

MARK	QUANTITY	FIXTURE	TRAP	WASTE	VENT	C.W.	H.W.	REMARKS
CR	16	CONDENSATE RECEPTOR	1-1/2"	1-1/2"	2"	--	--	SEE DETAIL J/P501. FIELD ASSEMBLED
DF-1	2	DRINKING FOUNTAIN	1-1/2"	1-1/2"	1-1/2"	1/2"	--	ELECTRIC BI-LEVEL (ADA APPROVED)
FD-1	6	FLOOR DRAIN	2"	2"	2"	--	--	WITH DEEP SEAL P-TRAP AND TRAP SEAL. SEE DETAIL C/P502
HB-1	1	WALL HYDRANT	--	--	--	3/4"	--	FREEZE PROOF. 20" MINIMUM LENGTH
L-1	1	LAVATORY	1-1/4"	1-1/4"	1-1/2"	1/2"	1/2"	COUNTER TOP 20"X17", SEE ARCHITECTURAL ELEVATIONS, SEE NOTES 2 & 3
L-2	7	LAVATORY	1-1/4"	1-1/4"	1-1/2"	1/2"	1/2"	SELF SUPPORTING 20"x18", SEE ARCHITECTURAL ELEVATIONS, SEE NOTES 2 & 3
MV-1	4	MIXING VALVE	--	--	--	1/2"	1/2"	FOR LAVATORIES - SEE DETAIL C/P501 - MEETS ASSE 1070. SEE NOTE 4.
S-1	1	SERVING AREA SINK	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	TWO COMPARTMENT
SS-1	1	SERVICE SINK	3"	3"	3"	1/2"	1/2"	FLOOR TYPE
SS-2	1	SACRAMENT SINK	1-1/4"	1-1/4"	1-1/4"	1/2"	--	COUNTER TOP
U-1	3	URINAL	INT.	2"	2"	3/4"	--	FLUSH VALVE, WALL HUNG, HEU (HIGH EFFICIENCY URINAL), SEE NOTE 2
WC-1	8	WATER CLOSET	INT.	3"	2"	1/2"	--	FLUSH TANK, HET (HIGH EFFICIENCY TOILET)
WC-2	2	WATER CLOSET	INT.	3"	2"	1/2"	--	FLUSH TANK, 18" RIM HEIGHT (ADA APPROVED), HET
WC-3	1	WATER CLOSET	INT.	4"	2"	1/2"	--	FLUSH TANK, 18" RIM HEIGHT (ADA APPROVED), (1.6 GAL. PER FLUSH)

1. COLD WATER FIXTURE UNITS ARE 116. WASTE WATER FIXTURE UNITS ARE 146.
2. WHEN MOUNTED PER ARCHITECTURAL ELEVATIONS, ADA ACCESSIBILITY REQUIREMENTS ARE SATISFIED.
3. PROVIDE MIXING VALVE. SEE NOTE #4. ONE VALVE FOR MULTIPLE FIXTURE LOCATIONS.
4. MOUNT INSIDE WALL BELOW LAVATORY, BEHIND LOCKING ACCESS DOOR. COORDINATE LOCATION WITH ARCHITECTURAL. SEE PLUMBING PLANS AND PLUMBING WATER SUPPLY SCHEMATICS ON SHEET P401 FOR MORE DETAILS.

GAS-FIRED WATER HEATER SCHEDULE

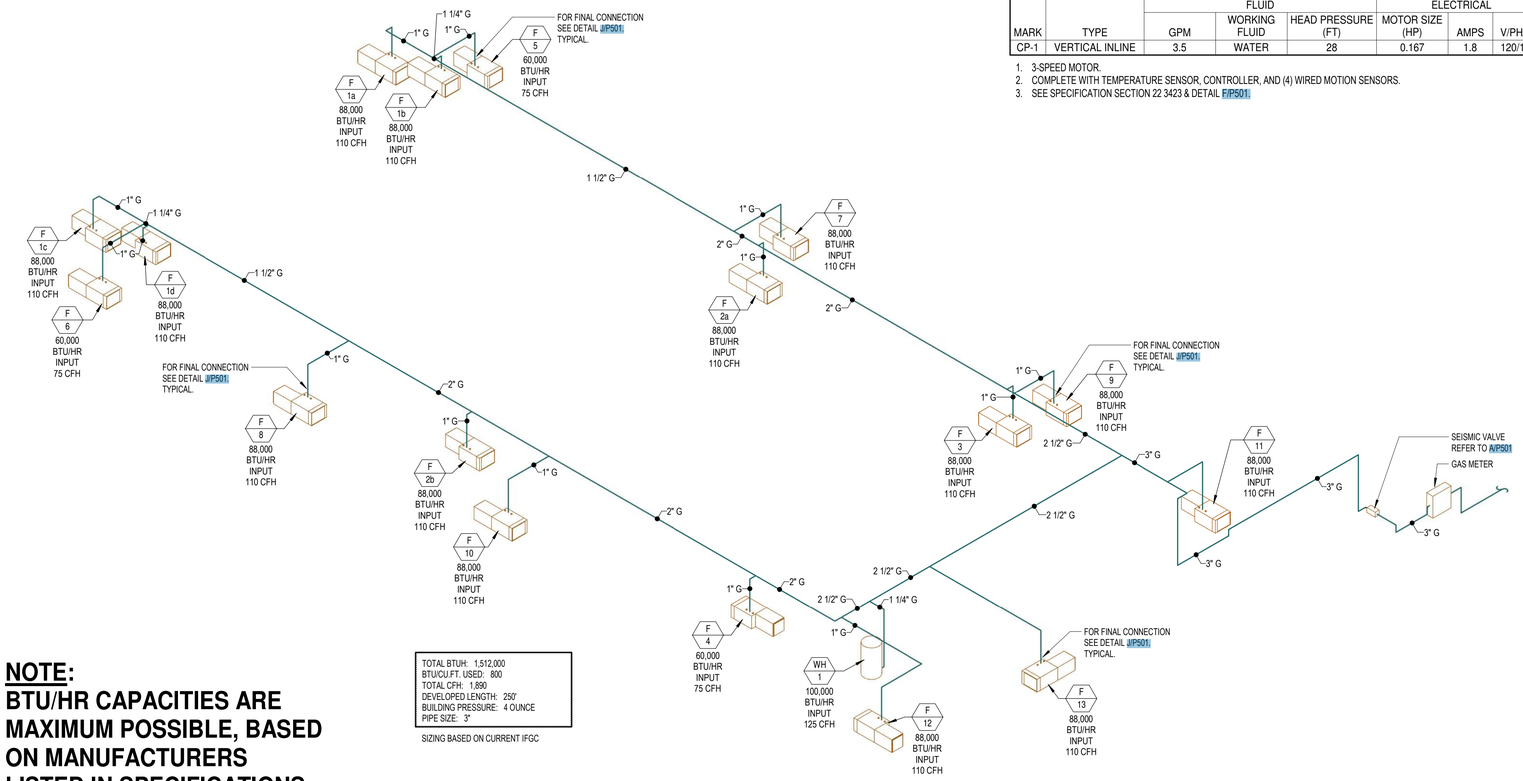
MARK	TYPE	INPUT LOAD (BTU/H)	MIN. EFF. (%)	LEAVING WATER TEMP (°F)	TANK SIZE (GAL)	FLUE SIZE (IN)	MAX. WIDTH/ DEPTH/ HEIGHT (IN)	OPERATING WEIGHT (LBS)	V/PH/HZ	REMARKS
WH-1	CONDENSING	100,000	94	130 °F	34-55	4"	30/30/60	450 - 1000	120/1/60	SEE NOTES 1 & 2

1. SEE SPECIFICATIONS. & DETAIL F & G/P501.
2. COMPLETE WITH CIRCULATING PUMP, CP-1. SEE DOMESTIC PUMP SCHEDULE.

DOMESTIC PUMP SCHEDULE

MARK	TYPE	FLUID			ELECTRICAL			REMARKS
		GPM	WORKING FLUID	HEAD PRESSURE (FT)	MOTOR SIZE (HP)	AMPS	V/PH/HZ	
CP-1	VERTICAL INLINE	3.5	WATER	28	0.167	1.8	120/1/60	1,2,3

1. 3-SPEED MOTOR.
2. COMPLETE WITH TEMPERATURE SENSOR, CONTROLLER, AND (4) WIRED MOTION SENSORS.
3. SEE SPECIFICATION SECTION 22 3423 & DETAIL F/P501.



NOTE:
BTU/HR CAPACITIES ARE MAXIMUM POSSIBLE, BASED ON MANUFACTURERS LISTED IN SPECIFICATIONS.

1 GAS PIPING SCHEMATIC
SCALE:

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PLUMBING SCHEDULES AND GAS PIPING SCHEMATIC

P601

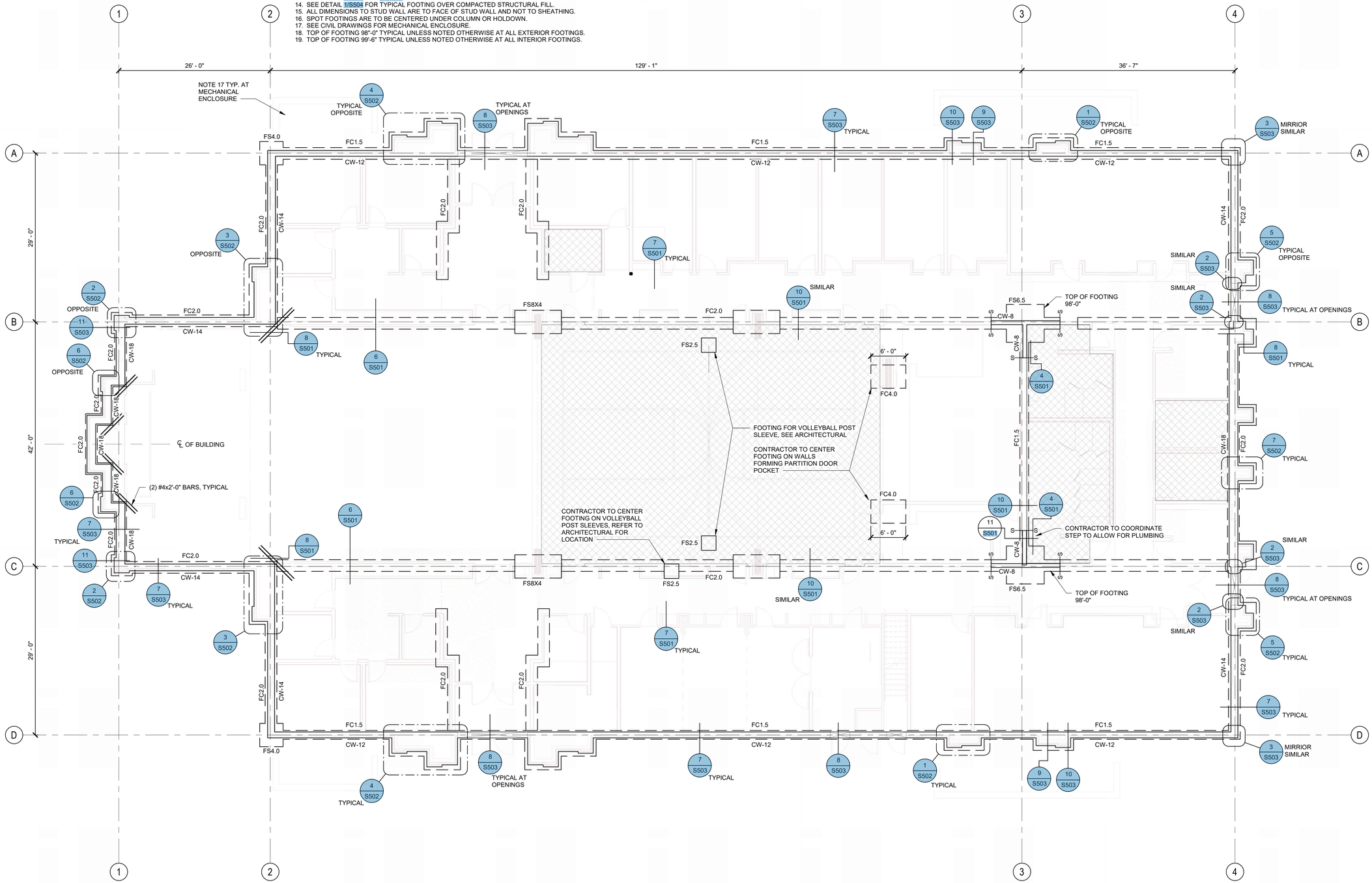
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FOOTING AND FOUNDATION NOTES:

1. SEE SHEET S602 FOR FOOTING SCHEDULE AND CONCRETE FOUNDATION WALL SCHEDULE.
2. VERIFY ALL DIMENSIONS AND NOTIFY ARCHITECT AND ENGINEER OF DISCREPANCIES FOUND.
3. INTERIOR CONCRETE FLOOR SLAB ON GRADE TO BE 4" THICK WITH #4 BARS AT 18" ON CENTER EACH WAY WITH 1" CLEAR TO TOP SURFACE.
4. NO CONTROL JOINTS ALLOWED IN INTERIOR CONCRETE SLAB ON GRADE UNLESS APPROVED BY ARCHITECT.
5. FINISH FLOOR ELEVATION IS 100'-0".
6. SEE DETAIL 1/S501 FOR PIPES PERPENDICULAR AND PARALLEL TO FOOTING DETAIL.
7. SEE DETAIL 2/S501 FOR TYPICAL REINFORCING AT INTERSECTIONS IN CONCRETE WALLS.
8. SEE DETAIL 3/S501 FOR SILL PLATES BOLTING DETAIL.
9. SEE DETAIL 4/S501 FOR TYPICAL STEPPED FOOTING DETAIL.
10. SEE DETAIL 9/S501 FOR TYPICAL SLAB ON GRADE DETAIL.
11. DEPRESS FLOOR SLAB AS SHOWN ON PLANS FOR TILE/WOOD FLOOR SYSTEM. SEE 5/S501, 10/S501 AND 11/S501 FOR DETAIL AT STEP IN SLAB. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
12. RECESS FOUNDATION WALL 8" AT DOORWAYS AND POUR SLAB THRU OPENING. SEE 8/S503.
13. SEE DETAIL 8/S501 AND 12/S503 WHERE SPOT FOOTINGS AND CONTINUOUS FOOTINGS ARE POURED AT DIFFERENT TIMES.
14. SEE DETAIL 1/S504 FOR TYPICAL FOOTING OVER COMPACTED STRUCTURAL FILL.
15. ALL DIMENSIONS TO STUD WALL ARE TO FACE OF STUD WALL AND NOT TO SHEATHING.
16. SPOT FOOTINGS ARE TO BE CENTERED UNDER COLUMN OR HOLDOWN.
17. SEE CIVIL DRAWINGS FOR MECHANICAL ENCLOSURE.
18. TOP OF FOOTING 98'-0" TYPICAL UNLESS NOTED OTHERWISE AT ALL EXTERIOR FOOTINGS.
19. TOP OF FOOTING 99'-6" TYPICAL UNLESS NOTED OTHERWISE AT ALL INTERIOR FOOTINGS.



FOOTING AND FOUNDATION PLAN
SCALE : 1/8" = 1'-0"

A
S101

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Matthew C. McBride No. 353893 8/14/24 STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

Owner #: 502-2004
Plan Series: C300-MH-11
County Parcel: 39-228:0001
BHD #: 2346
Date: 15 Aug 2024

Drawing Issue and Revision Schedule

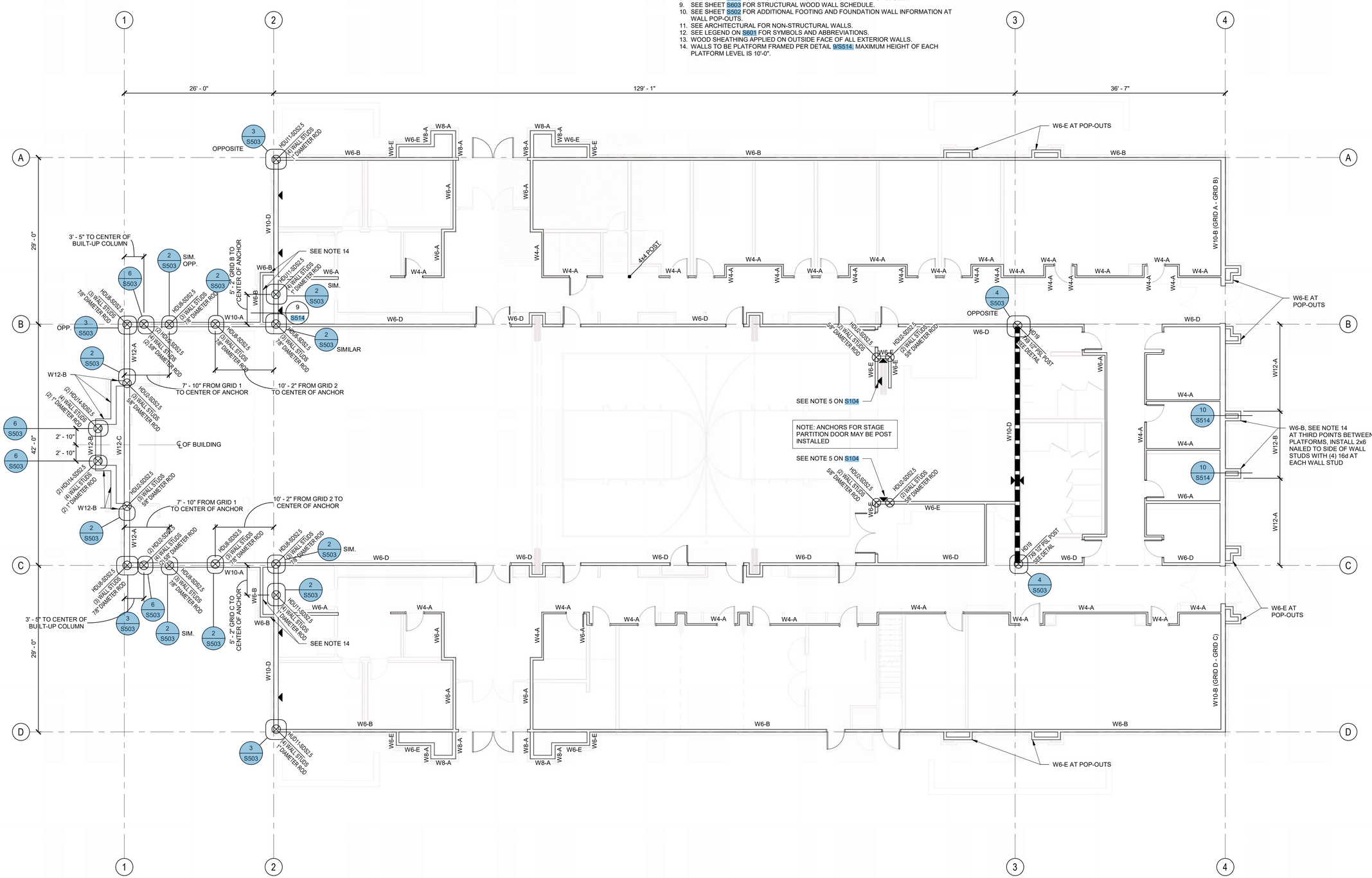
#	Date	Description
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FOOTING AND FOUNDATION PLAN

S101

ANCHOR BOLT, HOLDOWN AND WALL-TYPE PLAN NOTES:

1. SEE DETAIL 1/S521 FOR TYPICAL TOP PLATE SPLICE DETAIL.
2. SEE DETAIL 2/S521 FOR TYPICAL TOP PLATE SPLICE PENETRATION SCHEDULE.
3. SEE DETAIL 3/S521 AND DETAIL 4/S521 FOR TYPICAL WALL PENETRATIONS.
4. SEE WOOD BEAM SCHEDULE ON SHEET S603 FOR BUILT-UP BEAM INFORMATION.
5. SEE SCHEDULES ON S603 AND S604 FOR WALL, ROOF, FLOOR SHEATHING AND NAILING REQUIREMENTS.
6. FOR UNMARKED INTERIOR HEADERS, USE (3) 2x6 FOR 2x6 WALLS, AND (2) 2x6 FOR 2x4 WALLS. USE (1) BEARING AND (1) KING STUD.
7. SEE DETAILS 5/S521, 7/S521 AND 9/S521 FOR BRACING AT NON-STRUCTURAL WALLS.
8. SEE SHEET S503 FOR ANCHOR AND HOLDOWN DETAIL AND SCHEDULES.
9. SEE SHEET S603 FOR STRUCTURAL WOOD WALL SCHEDULE.
10. SEE SHEET S502 FOR ADDITIONAL FOOTING AND FOUNDATION WALL INFORMATION AT WALL POP-OUTS.
11. SEE ARCHITECTURAL FOR NON-STRUCTURAL WALLS.
12. SEE LEGEND ON S601 FOR SYMBOLS AND ABBREVIATIONS.
13. WOOD SHEATHING APPLIED ON OUTSIDE FACE OF ALL EXTERIOR WALLS.
14. WALLS TO BE PLATFORM FRAMED PER DETAIL 9/S514, MAXIMUM HEIGHT OF EACH PLATFORM LEVEL IS 10'-0".



ANCHOR BOLT HOLD-DOWN AND WALL TYPE PLAN

SCALE : 1/8" = 1'-0"

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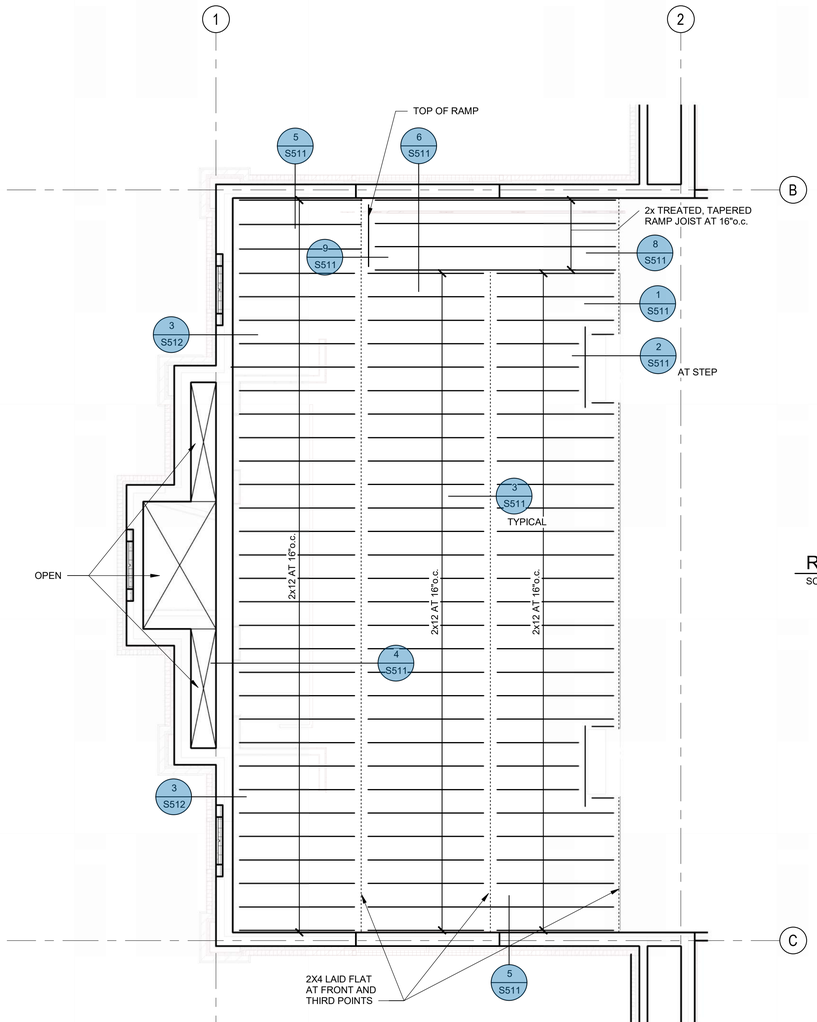
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ANCHOR BOLT HOLDOWN AND WALL TYPE PLAN

S102

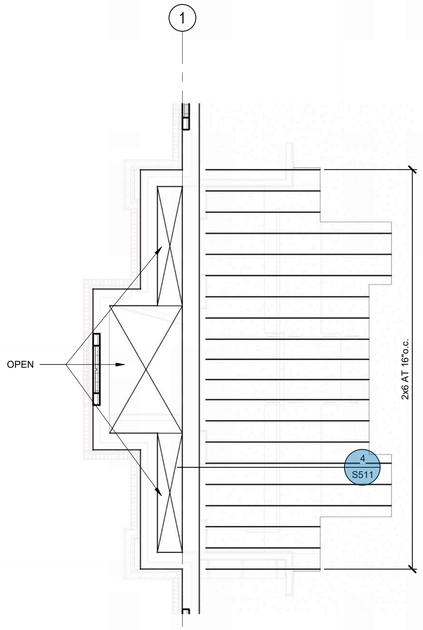
ROSTRUM FRAMING AND PLATFORM FRAMING PLAN NOTES:

1. SEE FRAMING SCHEDULES ON SHEET S604 FOR FLOOR SHEATHING AND NAILING REQUIREMENTS.
2. SEE ARCHITECTURAL FOR DIMENSIONS AND ELEVATIONS.

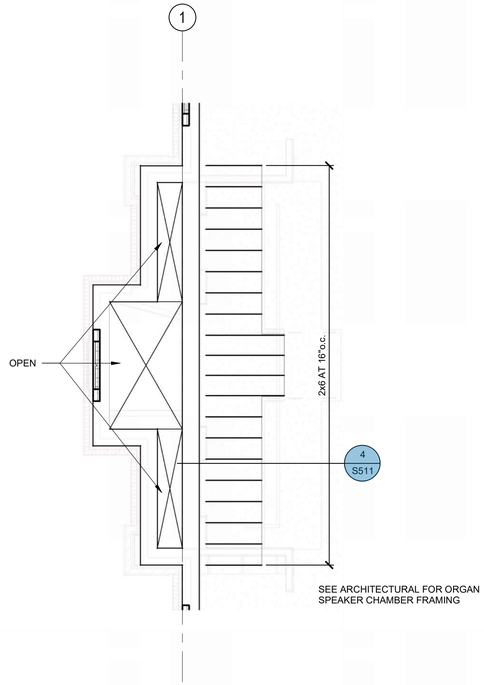


ROSTRUM FRAMING PLAN 1
SCALE : 1/4" = 1'-0"
A1 S103

ROSTRUM LOADING	
DEAD LOAD	= 15 psf
LIVE LOAD	= 100 psf
TOTAL LOAD	= 115 psf



ROSTRUM FRAMING PLAN 2
SCALE : 1/4" = 1'-0"
A2 S103



ROSTRUM FRAMING PLAN 3
SCALE : 1/4" = 1'-0"
A3 S103

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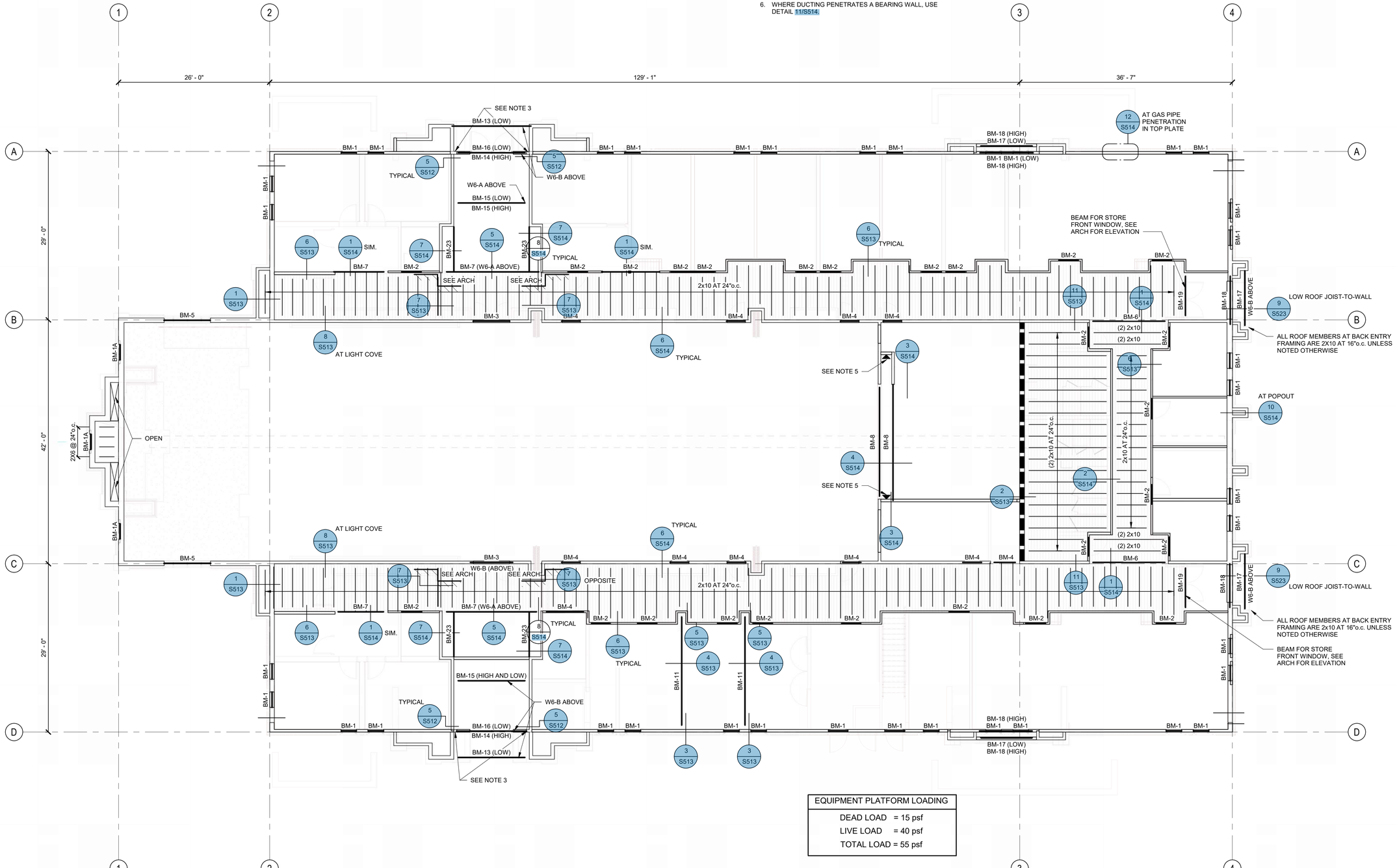
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ROSTRUM FRAMING AND PLATFORM FRAMING PLANS

S103

EQUIPMENT PLATFORM FRAMING PLAN NOTES

1. SEE FRAMING SCHEDULES ON SHEET S604 FOR FLOOR SHEATHING AND NAILING REQUIREMENTS.
2. SEE ARCHITECTURAL FOR DIMENSIONS AND ELEVATIONS.
3. (3) TOP PLATES TO BE CONTINUOUS THROUGH OPENING. SEE DETAIL 5/S512.
4. CONTRACTOR TO REFER TO THE ELECTRICAL DRAWINGS TO COORDINATE FRAMING LAYOUT WITH THE LIGHTING LAYOUT.
5. SHEATH INSIDE OF WALL BETWEEN BEAMS FOR STABILITY OF BEAMS ABOVE.
6. WHERE DUCTING PENETRATES A BEARING WALL, USE DETAIL 11/S514.



EQUIPMENT PLATFORM LOADING
DEAD LOAD = 15 psf
LIVE LOAD = 40 psf
TOTAL LOAD = 55 psf

EQUIPMENT PLATFORM FRAMING PLAN
SCALE : 1/8" = 1'-0"

A
S104

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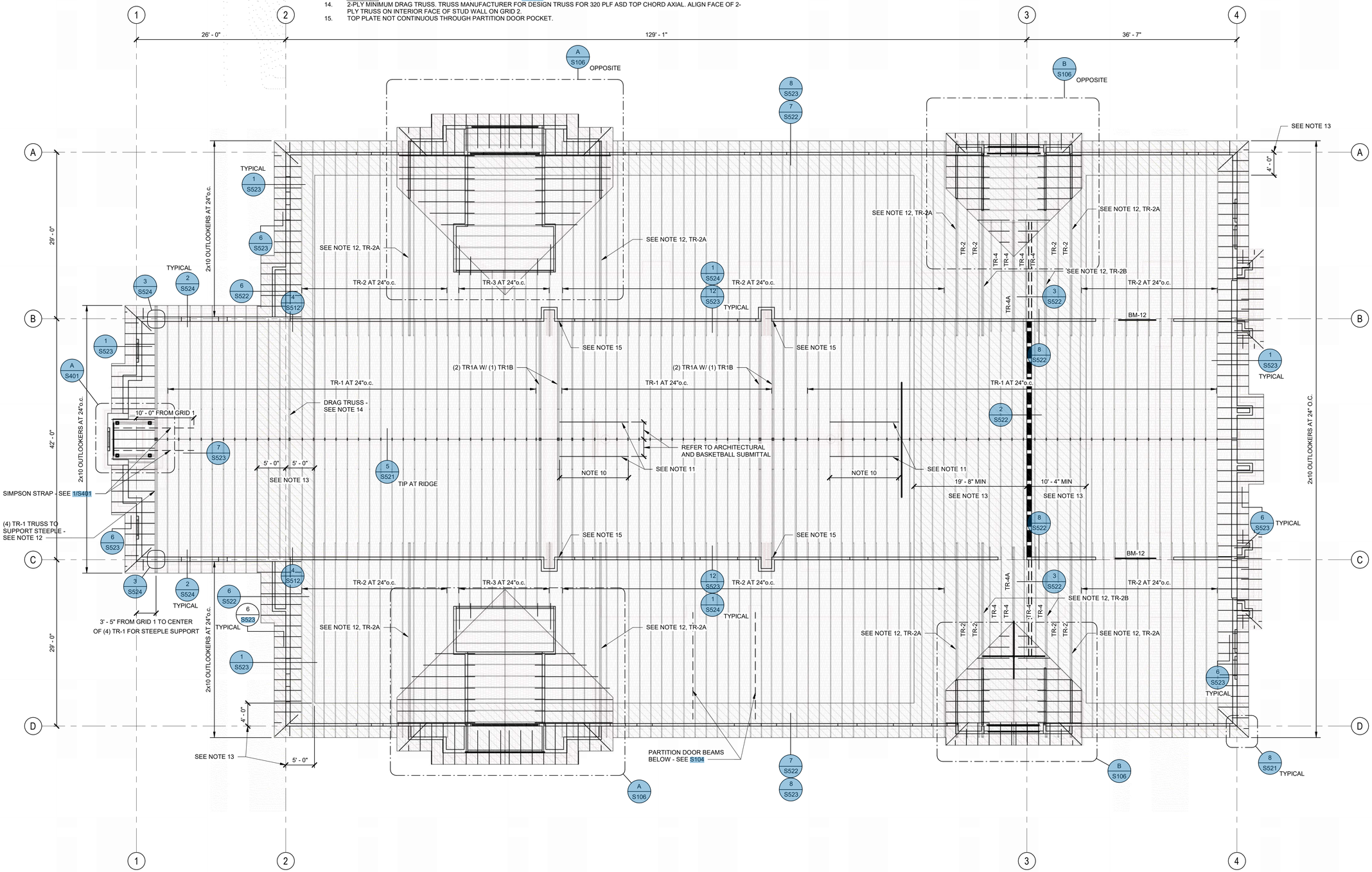
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EQUIPMENT PLATFORM FRAMING PLAN

S104

ROOF FRAMING PLAN NOTES:

1. SEE DETAIL 1/S521 FOR TYPICAL TOP PLATE SPLICE DETAIL.
2. SEE DETAIL 2/S521 FOR TOP PLATE SPLICE SCHEDULE FOR PIPES THAT PENETRATE TOP PLATES.
3. SEE DETAILS 3/S521 AND 4/S521 FOR WALL PENETRATIONS.
4. SEE WOOD BEAM SCHEDULE ON S603 FOR BUILT-UP BEAM DETAIL.
5. SEE SCHEDULE ON SHEETS S603 AND S604 FOR WALL, ROOF, FLOOR SHEATHING AND NAILING REQUIREMENTS.
6. SEE ARCHITECTURAL PLANS FOR ROOF AND BEARING ELEVATIONS.
7. FOR UNMARKED INTERIOR HEADERS, USE (3) 2X6 FOR 2X6 WALLS AND (2) 2X6 FOR 2X4 WALLS. USE (1) BEARING AND (1) KING STUD.
8. SEE DETAILS 6/S521, 7/S521, AND 9/S521 FOR BRACING AT NON-STRUCTURAL WALLS.
9. ALL TRUSSES SPACED AT 2'-0"o.c.
10. ADD 750# POINT LOAD TO EACH OF (6) TRUSSES SUPPORTING BASKETBALL STANDARD.
11. (2) 2X12 x 12'-0" LONG SUPPORTS WITH (2) 19/32" WOOD FILLERS.
12. GIRDER TRUSS PER MANUFACTURER, SEE TRUSS PROFILE ON TRUSS SHEETS, FOR LOADING DIAGRAMS PER MARK. PROVIDE ONE BEARING STUD PER PLY UNDER TRUSS AT BEARING LOCATIONS.
13. TYPE 1 BLOCKED DIAPHRAGM, SEE SCHEDULE E/S604.
14. 2-PLY MINIMUM DRAG TRUSS. TRUSS MANUFACTURER FOR DESIGN TRUSS FOR 320 PLF ASD TOP CHORD AXIAL. ALIGN FACE OF 2-PLY TRUSS ON INTERIOR FACE OF STUD WALL ON GRID 2.
15. TOP PLATE NOT CONTINUOUS THROUGH PARTITION DOOR POCKET.



ROOF PLAN
SCALE : 1/8" = 1'-0"

A S105

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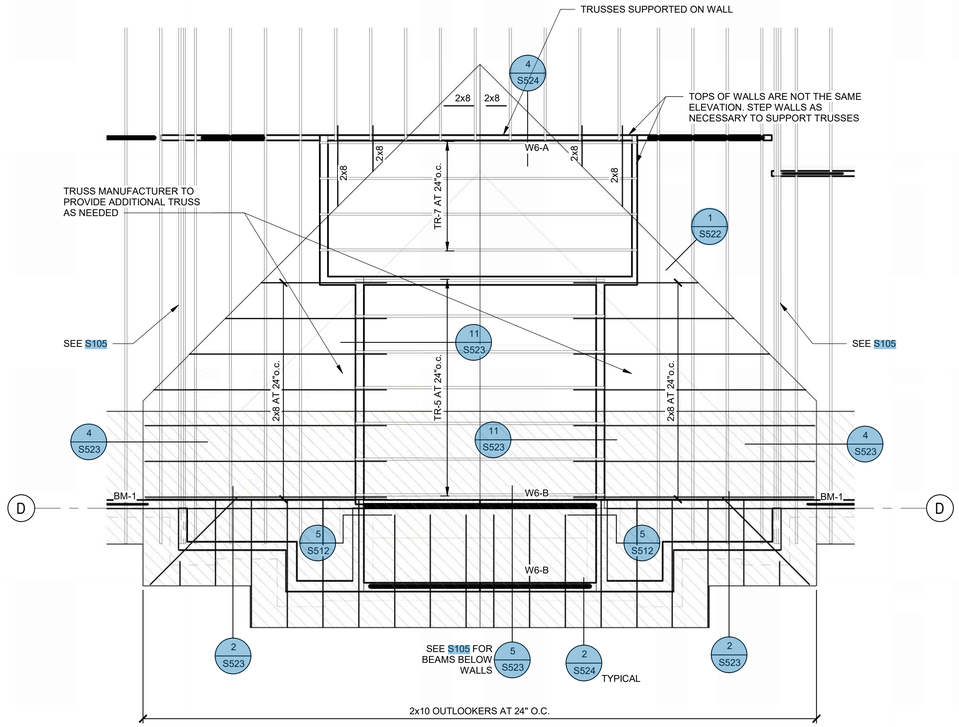
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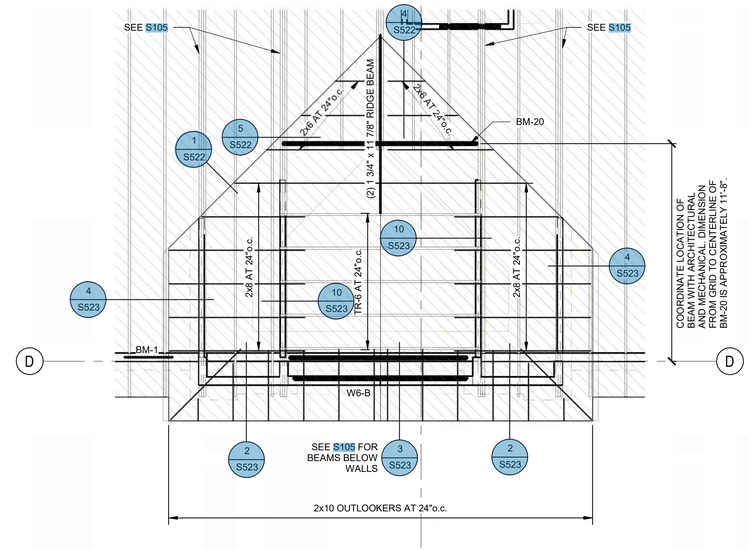
ROOF FRAMING PLAN

S105

ENLARGED ROOF FRAMING PLAN NOTES:
1. SEE S105 FOR ROOF FRAMING NOTES, ROOF LOADING TABLE, AND ADDITIONAL FRAMING INFORMATION



ENLARGED ROOF FRAMING PLAN
SCALE : 1/4" = 1'-0"
A S106



ENLARGED ROOF FRAMING PLAN
SCALE : 1/4" = 1'-0"
B S106

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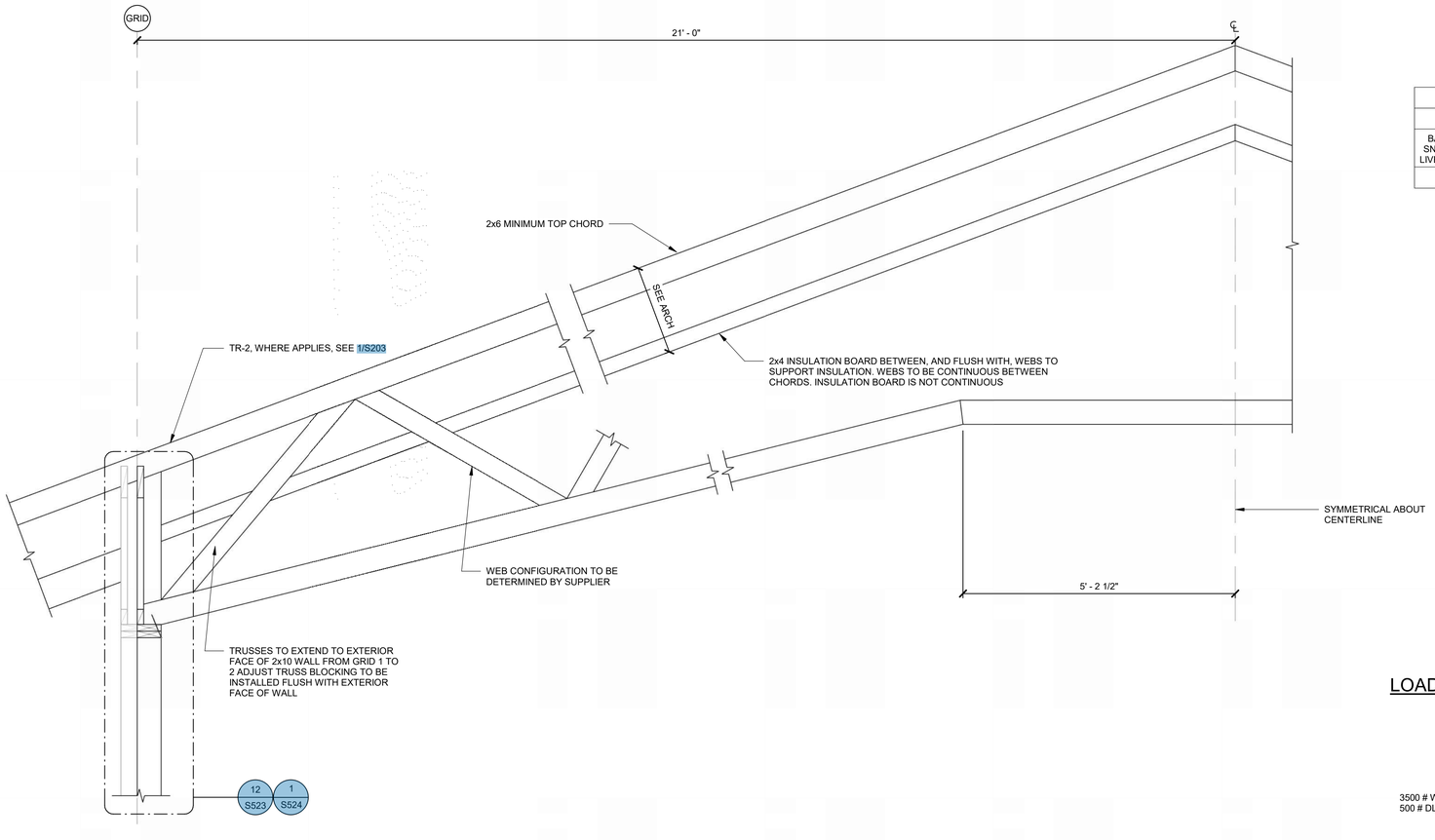
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ENLARGED ROOF FRAMING PLANS

S106

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TR-1 TRUSS ELEVATION

SCALE : NONE

1
S201

TR-1 TRUSS LOADS (ASD)					
A	B	C	D	E	F
BALANCED SNOW/ROOF LIVE LOAD (plf)	TOP CHORD DEAD LOAD (plf)	WINDWARD LOAD (plf)	LEEWARD LOAD (plf)	LEEWARD EXTENT (FT'-IN" LOAD (plf)	BOTTOM CHORD LOAD (plf)
66	30	20	41	7'-6"	10

TR-1 TRUSS NOTES:

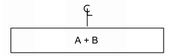
1. SEE S201 FOR GENERAL TRUSS NOTES.
2. TR-1 WIND LOADS ARE ASD LOADS.
3. SEISMIC LOADS DO NOT CONTROL DESIGN.
4. TRUSS TO BE (4) PLY AT STEEPLE SUPPORT.
5. TOP CHORD AT (4) PLY TRUSS AT STEEPLE TO BE 2x10.
6. LOAD DIAGRAMS 3,4,5,6, AND 7 APPLY TO TRUSSES AT STEEPLE SUPPORT.
7. ADD 750# POINT LOAD TO EACH TRUSS SUPPORTING BASKETBALL STANDARD. SEE S105 AND ARCHITECTURAL.

TR-1 LOAD COMBINATIONS

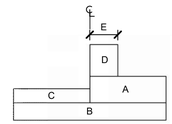
TYPICAL TRUSS:
COMBINATION LOAD 1: LOAD DIAGRAMS 1,8
COMBINATION LOAD 2: LOAD DIAGRAMS 2,8

STEEPLE TRUSS:
COMBINATION LOAD 1: LOAD DIAGRAMS 1,3,8
COMBINATION LOAD 2: LOAD DIAGRAMS 1,4,8
COMBINATION LOAD 3: LOAD DIAGRAMS 1,5,8
COMBINATION LOAD 4: LOAD DIAGRAMS 1,6,8
COMBINATION LOAD 5: LOAD DIAGRAMS 1,7,8
COMBINATION LOAD 6: LOAD DIAGRAMS 2,3,8
COMBINATION LOAD 7: LOAD DIAGRAMS 2,4,8
COMBINATION LOAD 8: LOAD DIAGRAMS 2,5,8
COMBINATION LOAD 9: LOAD DIAGRAMS 2,6,8
COMBINATION LOAD 10: LOAD DIAGRAMS 2,7,8

TR-1 LOAD DIAGRAMS

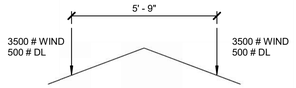


LOAD DIAGRAM 1 - TOP CHORD



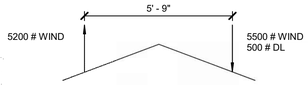
LOAD DIAGRAM 2 - TOP CHORD

NOTE: TRUSS TO SUPPORT LOADS AS SHOWN AND AS MIRRORED.



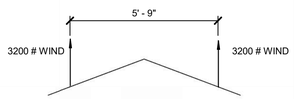
LOAD DIAGRAM 3 - TOP CHORD

WIND IN LONG DIRECTION



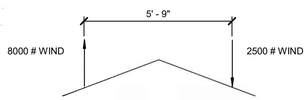
LOAD DIAGRAM 4 - TOP CHORD

NOTE: TRUSS TO SUPPORT LOADS AS SHOWN AND AS MIRRORED.
WIND IN SHORT DIRECTION



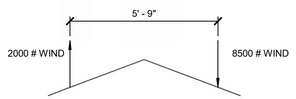
LOAD DIAGRAM 5 - TOP CHORD

WIND IN LONG DIRECTION



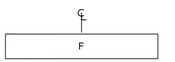
LOAD DIAGRAM 6 - TOP CHORD

NOTE: TRUSS TO SUPPORT LOADS AS SHOWN AND AS MIRRORED.
WIND DIAGONAL

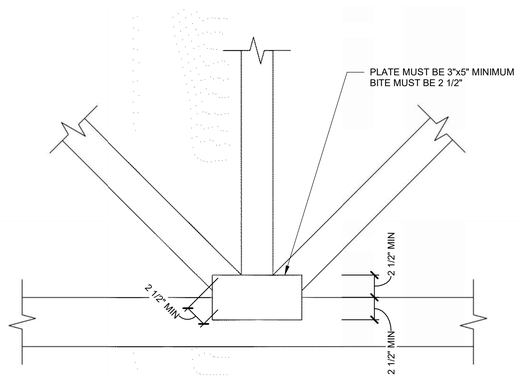


LOAD DIAGRAM 7 - TOP CHORD

NOTE: TRUSS TO SUPPORT LOADS AS SHOWN AND AS MIRRORED.
WIND DIAGONAL



LOAD DIAGRAM 8 - BOTTOM CHORD



TYPICAL GUSSET TO TRUSS SCHEMATIC

SCALE : NONE

2
S201

GENERAL TRUSS NOTES

1. TRUSS WEBS ARE NOT SHOWN, SEE TRUSS SUPPLIER DRAWINGS FOR TRUSS CONFIGURATION.
2. 2x4 MEMBERS SUPPORTING INSULATION MAY BE ATTACHED TO THE TRUSS WEB MEMBERS USING PRESS PLATES, STAPLES, OR TOE NAILS DESIGNED TO SUPPORT THE INSULATION AND HANGING LOADS. PRESS PLATES FOR INSULATION SUPPORT DO NOT NEED TO BE OVERSIZED PER CHURCH SPECIFICATION.
3. LOAD COMBINATIONS SHOWN ARE IN ADDITION TO THE IBC WIND AND SEISMIC LOAD COMBINATIONS. ALL TRUSSES SHALL BE DESIGNED PER LOAD COMBINATIONS SPECIFIED IN IBC SECTION 1605. WIND LOADS LISTED ARE ASD LOADS.
4. FRAMER TO INCLUDE AN ALLOWANCE FOR TRUSS BRACING THAT WILL BE DESIGNED BY THE TRUSS MANUFACTURER.
5. LIMIT TOTAL LOAD DEFLECTION TO L/240. LIMIT LIVE LOAD DEFLECTION TO L/360.
6. SPLICES IN TOP AND BOTTOM CHORDS TO OCCUR AT TRUSS JOINTS.
7. INSTALL ERECTION AND PERMANENT TRUSS BRIDGING AND BRACING AS REQUIRED BY THE TRUSS INSTITUTE AND AS SHOWN IN THE TRUSS SHOP DRAWINGS.
8. UNLESS A MORE STRINGENT FASTENING SCHEDULE IS PROVIDED BY THE TRUSS MANUFACTURER OR ELSEWHERE IN THESE DOCUMENTS, THE FOLLOWING IS TO BE USED FOR FASTENING MULTI-PLY TRUSSES TOGETHER:
   a. TRUSSES OF 4 OR MORE PLIES ARE TO BE CONNECTED TOGETHER USING 1/2" DIAMETER BOLTS AT 32"o.c. OR EQUAL. USE AT ALL MEMBERS.
   b. TRUSSES OF 3 OR LESS PLIES ARE TO BE CONNECTED TOGETHER USING 10d COMMON NAILS AT 9"o.c. STAGGERED TOP TO BOTTOM OF TRUSS MEMBERS OR EQUAL (9"o.c. SPACING AT TOP AND AT BOTTOM OF TRUSS MEMBERS). USE AT ALL MEMBERS.
9. TRUSS MANUFACTURER TO FASTEN MULTI-PLY TRUSSES PRIOR TO DELIVERY OF TRUSSES TO SITE.
10. SEE THE ARCHITECTURAL DRAWINGS FOR GEOMETRY INFORMATION NOT SHOWN.

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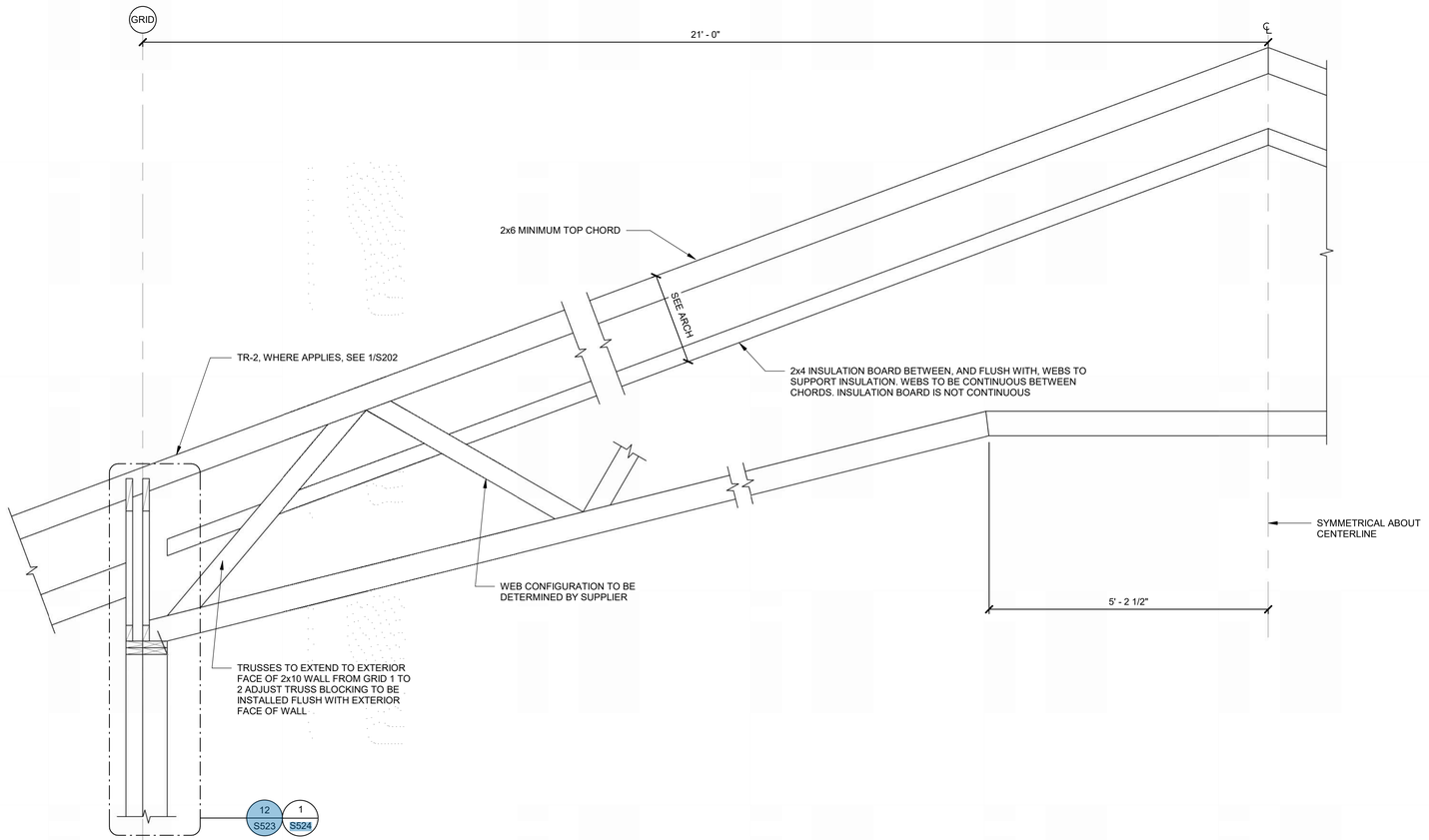
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TRUSS ELEVATIONS

S201

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TR-1A TRUSS ELEVATION
SCALE : NONE
1
S202

TR-1A TRUSS NOTES:

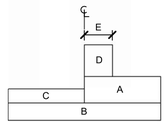
1. SEE S201 FOR GENERAL TRUSS NOTES.
2. SEISMIC LOADS DO NOT CONTROL DESIGN.
3. LOAD DIAGRAMS 8 AND 9 APPLY TO TR-1A AT FOLDING PARTITION DOORS.
4. AT FOLDING PARTITION TRUSSES, LIMIT TOTAL LOAD DEFLECTION TO L/240, LIMIT LIVE LOAD DEFLECTION TO L/360, AND A MAXIMUM DEFLECTION OF 1/2" UNDER EITHER TOTAL LOAD OR LIVE LOAD.

TR-1A LOAD COMBINATIONS

COMBINATION LOAD 1: LOAD DIAGRAMS 1,3
COMBINATION LOAD 2: LOAD DIAGRAMS 2,3
COMBINATION LOAD 1: LOAD DIAGRAMS 1,4,3
COMBINATION LOAD 2: LOAD DIAGRAMS 1,5,3
COMBINATION LOAD 3: LOAD DIAGRAMS 2,4,3
COMBINATION LOAD 4: LOAD DIAGRAMS 2,5,3



LOAD DIAGRAM 1 - TOP CHORD

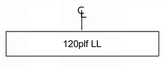


LOAD DIAGRAM 2 - TOP CHORD

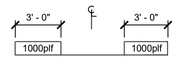
NOTE: TRUSS TO SUPPORT LOADS AS SHOWN AND AS MIRRORED.



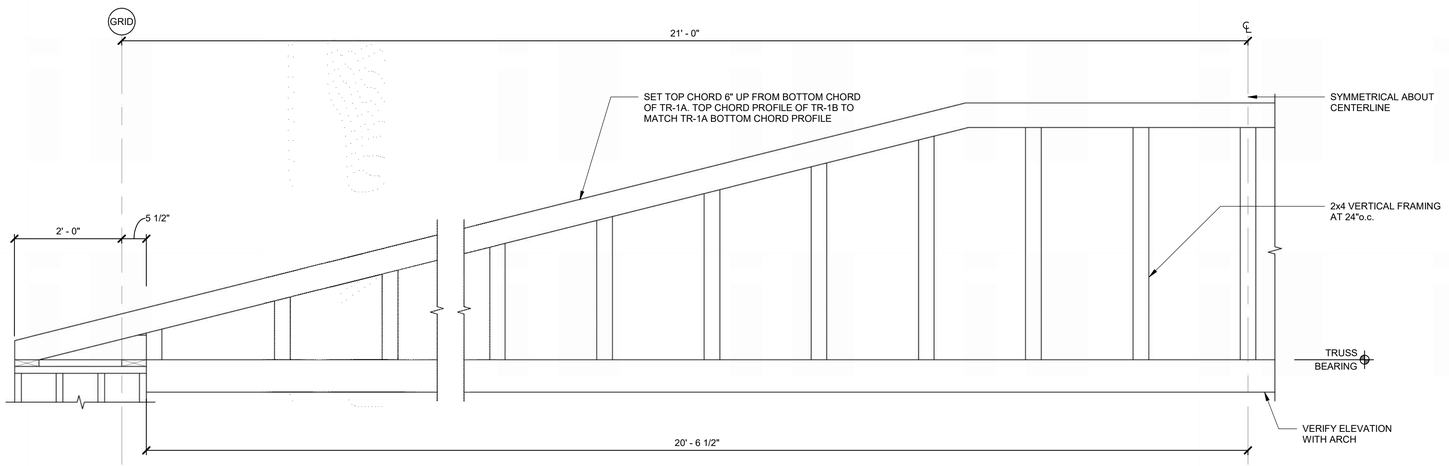
LOAD DIAGRAM 3 - BOTTOM CHORD



LOAD DIAGRAM 4 - BOTTOM CHORD



LOAD DIAGRAM 5 - BOTTOM CHORD



TR-1B TRUSS ELEVATION
SCALE : NONE
2
S202

TR-1B NOTES:

1. SEE 1/S201 FOR GENERAL TRUSS NOTES.
2. TR-1B HAS NO APPLIED GRAVITY LOADS AND DOES NOT SUPPORT INSULATION.
3. SEE 11/S522 FOR SCHEMATIC FRAMING OF TR-1B TO TR-1A.

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Matthew C. McBride
No. 353893
8/14/24
STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

Plan Series: G300-MH-11
Owner #: 502-2004
County Parcel: 39-228-0001
BHD #: 2346
Date: 15 Aug 2024

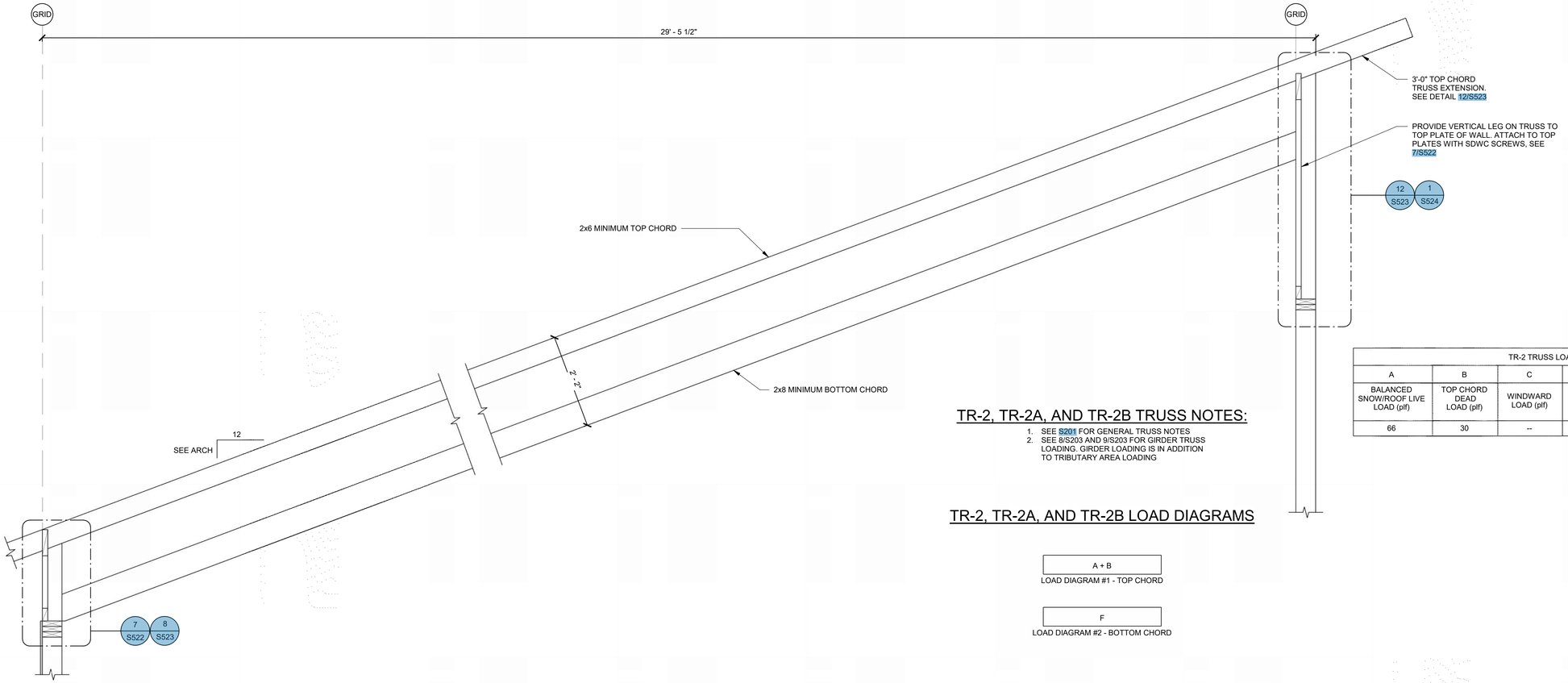
Drawing Issue and Revision Schedule

#	Date	Description
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TRUSS ELEVATIONS

S202

8/15/2024 11:25:54 AM



TR-2, TR-2A, AND TR-2B TRUSS NOTES:

1. SEE S201 FOR GENERAL TRUSS NOTES
2. SEE 8/S203 AND 9/S203 FOR GIRDER TRUSS LOADING. GIRDER LOADING IS IN ADDITION TO TRIBUTARY AREA LOADING

TR-2 TRUSS LOADS (ASD)					
A	B	C	D	E	F
BALANCED SNOW/ROOF LIVE LOAD (plf)	TOP CHORD DEAD LOAD (plf)	WINDWARD LOAD (plf)	LEEWARD LOAD (plf)	LEEWARD EXTENT (FT'-IN" LOAD (plf)	BOTTOM CHORD LOAD (plf)
66	30	--	--	--	10

TR-2, TR-2A, AND TR-2B LOAD DIAGRAMS

A + B

LOAD DIAGRAM #1 - TOP CHORD

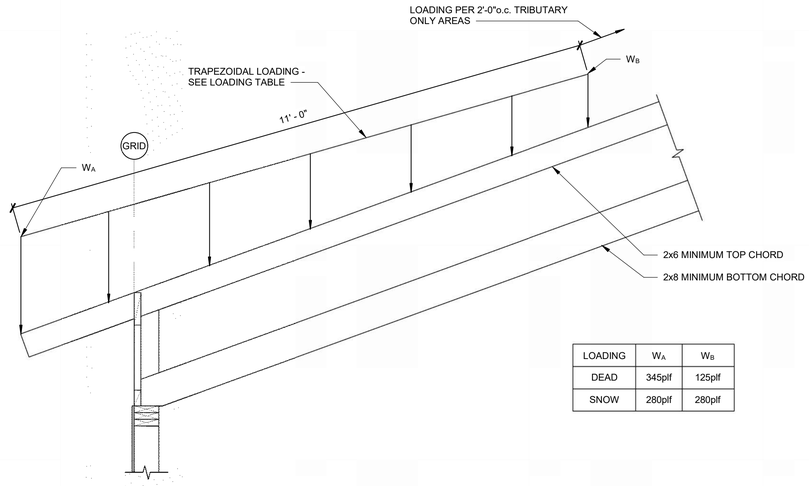
F

LOAD DIAGRAM #2 - BOTTOM CHORD

TR-2 TRUSS ELEVATION

SCALE : NONE

1 S203



LOADING	W_A	W_B
DEAD	345plf	125plf
SNOW	280plf	280plf

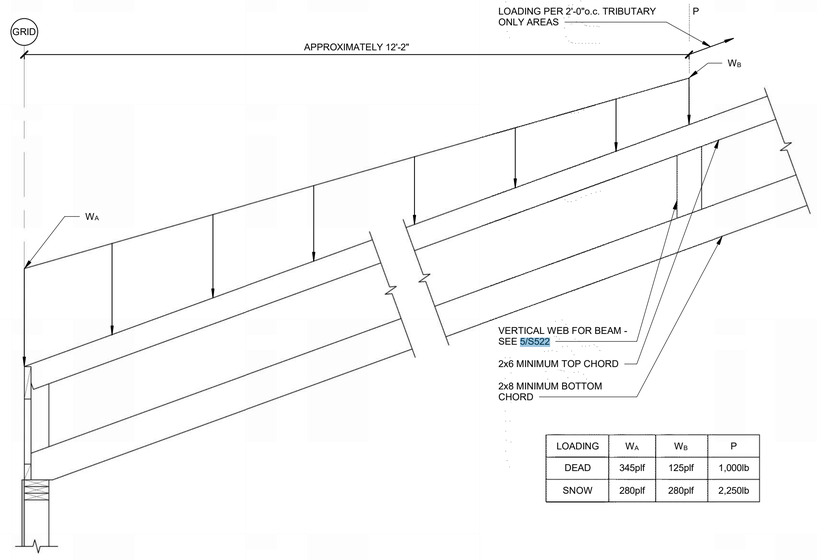
GIRDER LOADING FOR TR-2A

SCALE : NONE

2 S203

TR-2, TR-2A, AND TR-2B LOAD COMBINATIONS

COMBINATION LOAD 1: DIAGRAMS 1 AND 2



LOADING	W_A	W_B	P
DEAD	345plf	125plf	1,000lb
SNOW	280plf	280plf	2,250lb

GIRDER LOADING FOR TR-2B

SCALE : NONE

3 S203

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THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

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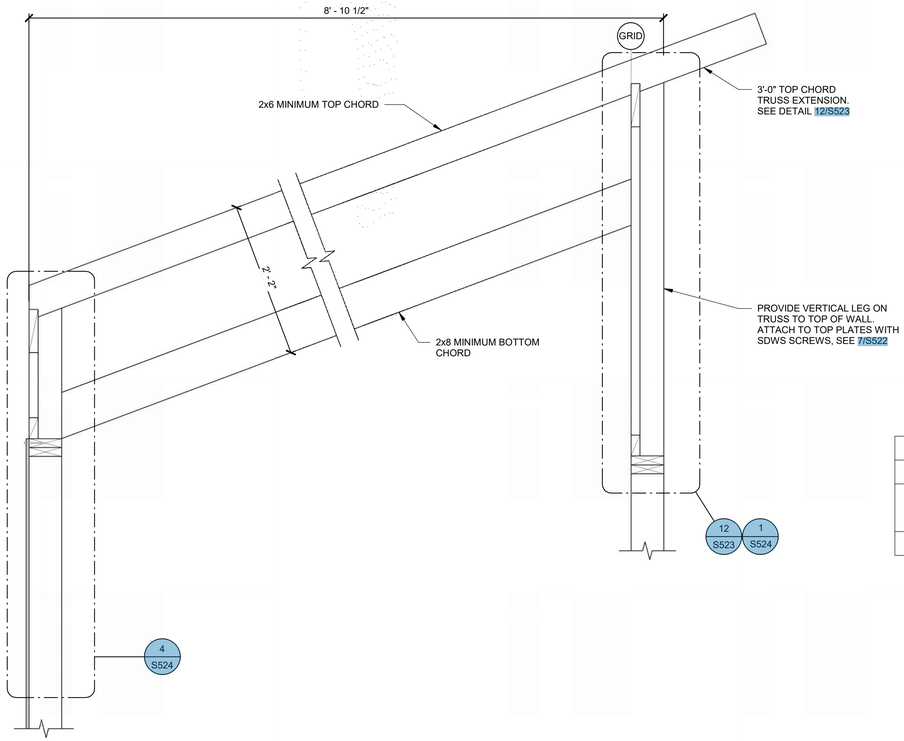
BHD #: 2346
County Parcel: 39-228-0001
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Date: 15 Aug 2024

Drawing Issue and Revision Schedule

#	Date	Description
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TRUSS ELEVATIONS

S203



TR-3 TRUSS ELEVATION

SCALE : NONE

1
S204

TR-3 AND TR-4 LOAD DIAGRAM

A + B

LOAD DIAGRAM #1 - TOP CHORD

F

LOAD DIAGRAM #2 - BOTTOM CHORD

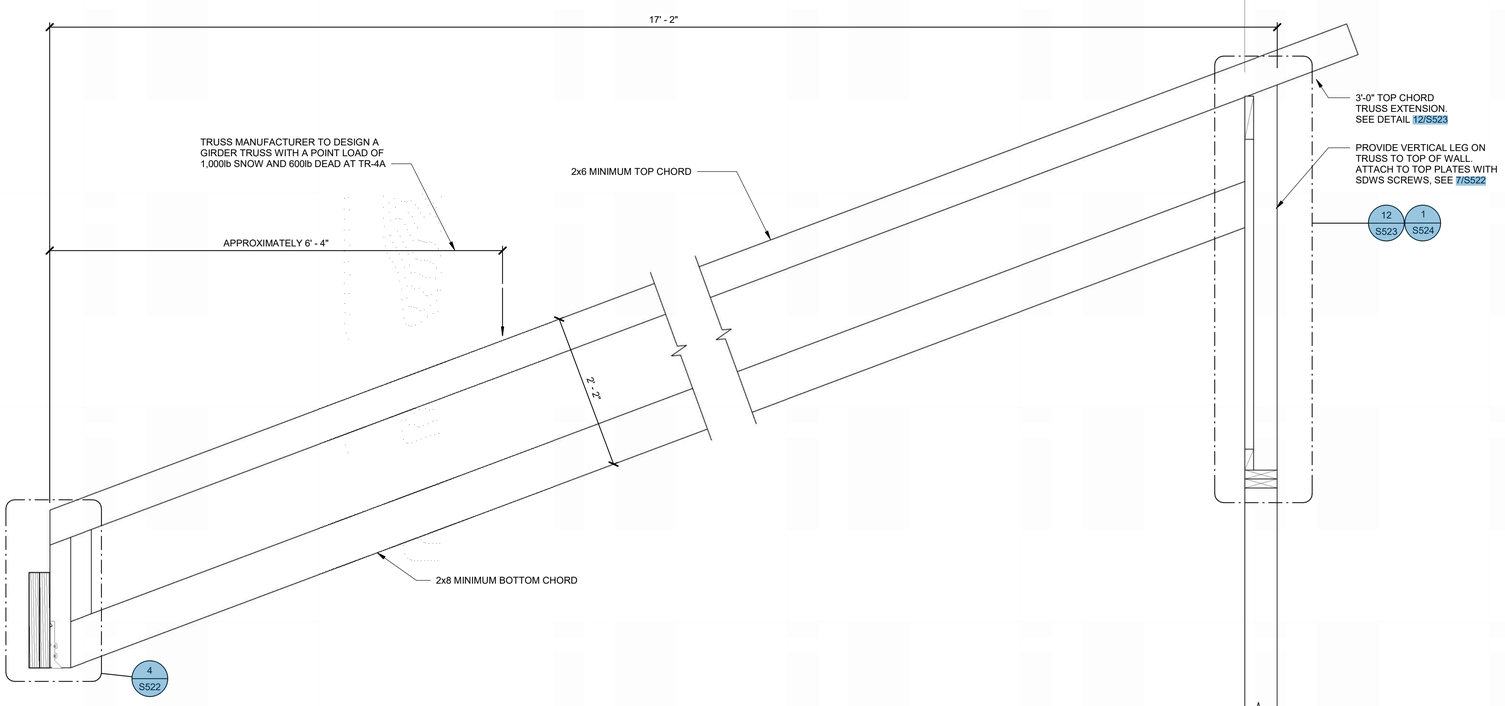
TR-3 AND TR-4 LOAD COMBINATIONS

COMBINATION LOAD 1: DIAGRAMS 1 AND 2

TR-3 AND TR-4 TRUSS LOADS (ASD)					
A	B	C	D	E	F
BALANCED SNOW/ROOF LIVE LOAD (plf)	TOP CHORD DEAD LOAD (plf)	WINDWARD LOAD (plf)	LEEWARD LOAD (plf)	LEEWARD EXTENT (FT'-IN" LOAD (plf)	BOTTOM CHORD LOAD (plf)
66	30	--	--	--	10

TR-3 AND TR-4 TRUSS NOTES

1. SEE S201 FOR GENERAL TRUSS NOTES.



TR-4 TRUSS ELEVATION

SCALE : NONE

2
S204

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THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

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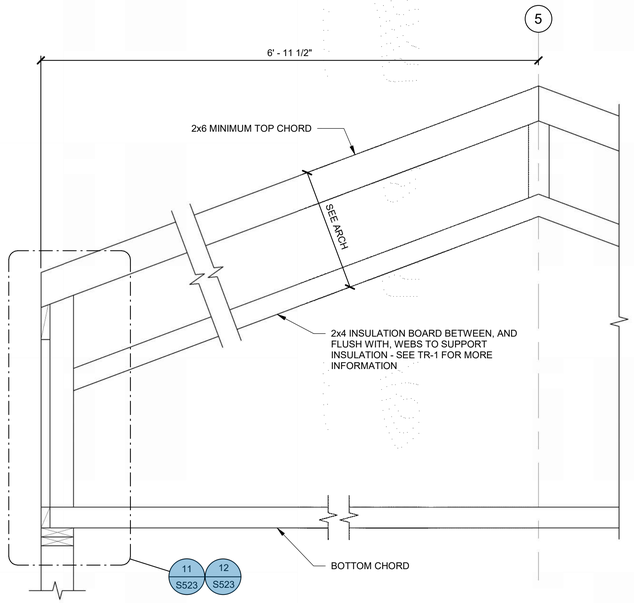
BHD #: 2346
County Parcel: 39:228:0001
Plan Series: G300-MH-11
Owner #: 502-2004
Date: 15 Aug 2024

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TRUSS ELEVATIONS

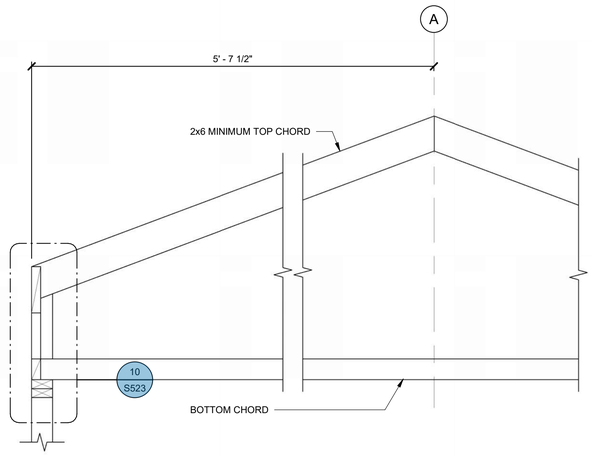
S204



TR-5 TRUSS ELEVATION

SCALE : NONE

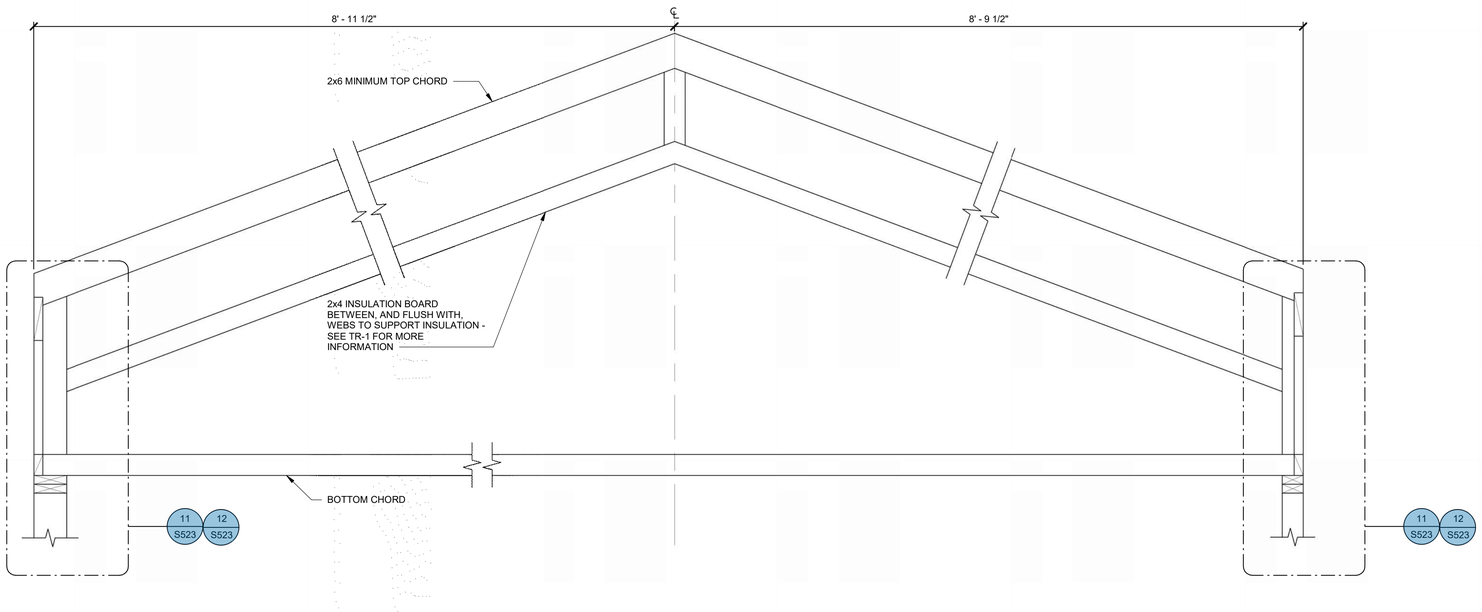
1 S205



TR-6 TRUSS ELEVATION

SCALE : NONE

2 S205



TR-7 TRUSS ELEVATION

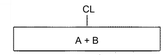
SCALE : NONE

3 S205

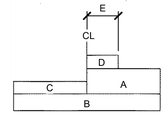
TR-5, TR-6 AND TR-7 TRUSS NOTES

1. SEE S201 FOR GENERAL TRUSS NOTES

TR-5, TR-6 AND TR-7 LOAD DIAGRAM

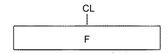


LOAD DIAGRAM #1 - TOP CHORD



LOAD DIAGRAM #2 - TOP CHORD

NOTE: TRUSS TO SUPPORT LOADS AS SHOWN AND AS MIRRORED.



LOAD DIAGRAM #3 - BOTTOM CHORD

TR-5, TR-6 AND TR-7 LOAD COMBINATIONS

COMBINATION LOAD 1: DIAGRAMS 1,3
COMBINATION LOAD 2: DIAGRAMS 2,3

TR-5, TR-6 AND TR-7 TRUSS LOADS (ASD)					
A	B	C	D	E	F
BALANCED SNOW/ROOF LIVE LOAD (plf)	TOP CHORD DEAD LOAD (plf)	WINDWARD LOAD (plf)	LEEWARD LOAD (plf)	LEEWARD EXTENT (FT'-IN" LOAD (plf)	BOTTOM CHORD LOAD (plf)
66	30	20	40	7'-3"	10

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STATE OF UTAH PROFESSIONAL ENGINEER Matthew C. McBride No. 353893 8/14/24

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Plan Series: G300-MH-11
Owner #: 502-2004
Date: 15 Aug 2024

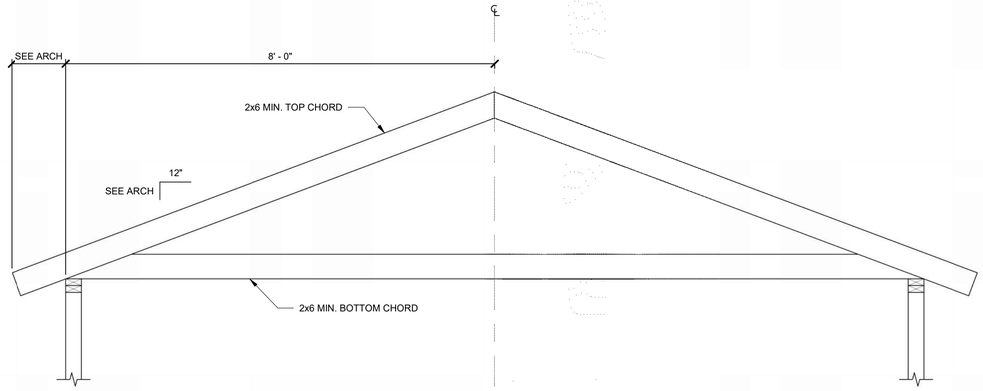
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TRUSS ELEVATIONS

S205

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TR-8 TRUSS LOADS (ASD)					
A	B	C	D	E	F
BALANCED SNOW/ROOF LIVE LOAD (plf)	TOP CHORD DEAD LOAD (plf)	WINDWARD LOAD (plf)	LEEWARD LOAD (plf)	LEEWARD EXTENT (FT'-IN" LOAD (plf)	BOTTOM CHORD LOAD (plf)
72	30	22	42	7'-6"	10

TR- TRUSS NOTES:

1. SEE S201 FOR GENERAL TRUSS NOTES.

TR- LOAD DIAGRAMS

LOAD DIAGRAM 1 - TOP CHORD

LOAD DIAGRAM 2 - TOP CHORD

LOAD DIAGRAM 3 - BOTTOM CHORD

NOTE: TRUSS TO SUPPORT LOADS AS SHOWN AND AS MIRRORED.

TR- STORAGE TRUSS ELEVATION

SCALE : NONE

1
S206

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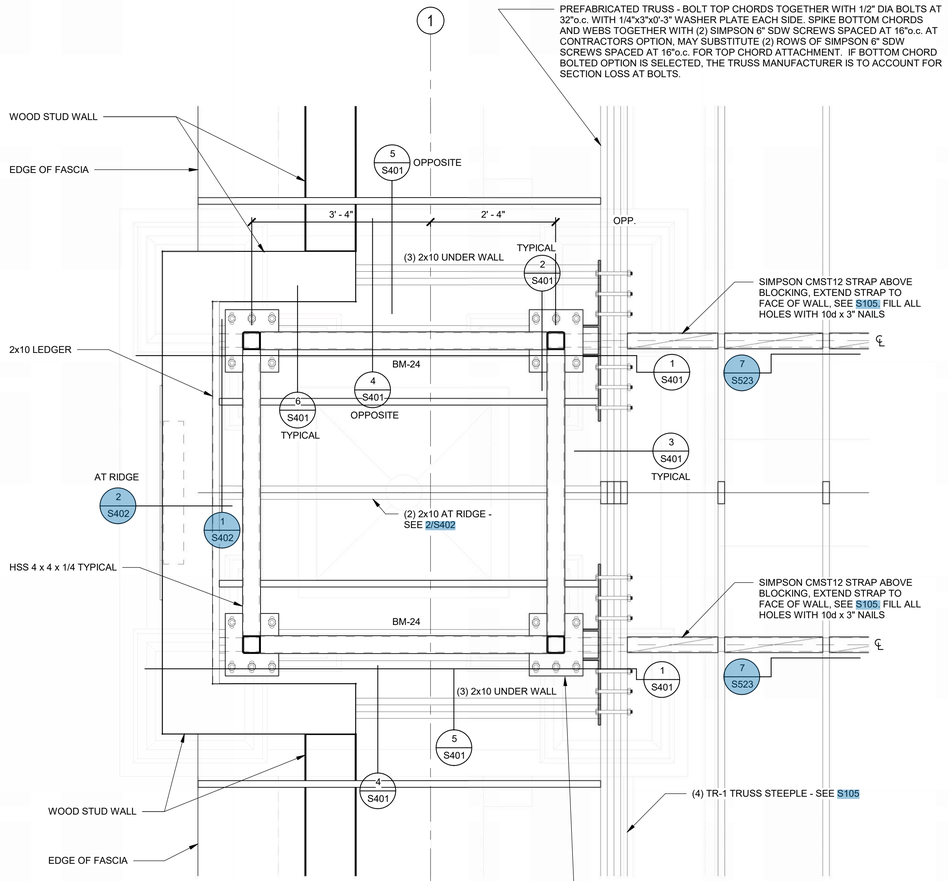
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#	Date	Description
1	15 Aug 2024	Bid Documents

TRUSS ELEVATIONS

S206

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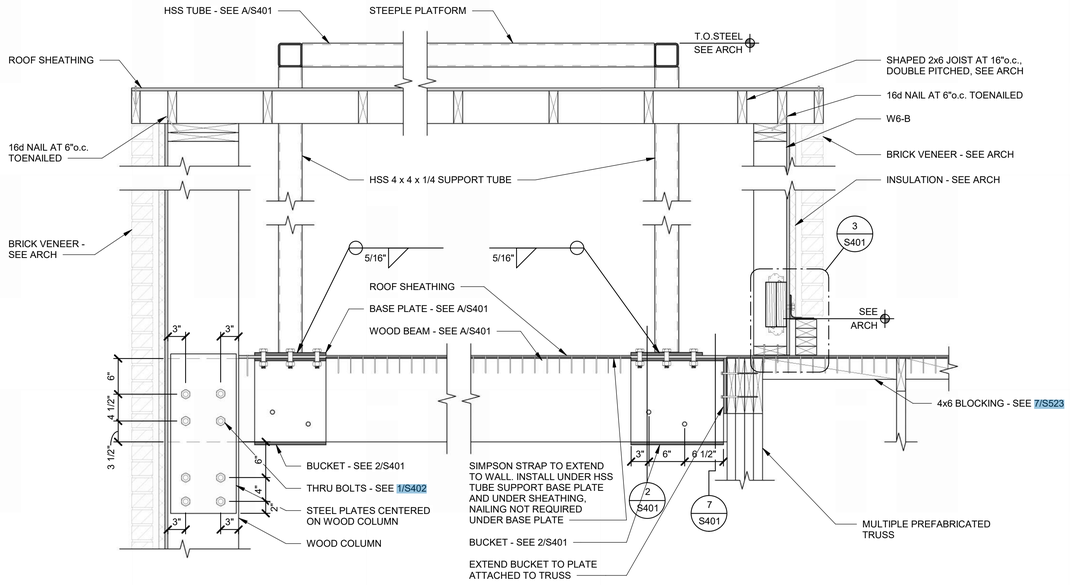


NOTES:
1. SEE ARCH FOR STEEPLE ELEVATIONS AND SECTIONS
2. SEE ARCH FOR LOCATION AND DETAIL AT LIGHTING CABLE PENETRATION
3. COAT STEEL WITH 'DUPONT CORLAR 2.1 ST' BY DUPONT OR EQUAL. PROVIDE PERMANENT WATERPROOF FINISH
4. SEE ARCHITECT FOR WALLS ABOVE

ENLARGED ROOF FRAMING PLAN

SCALE : 3/4" = 1'-0"

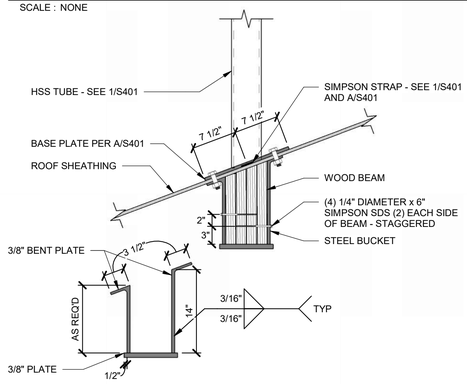
A S401



CONNECTION AT TRUSS

SCALE : NONE

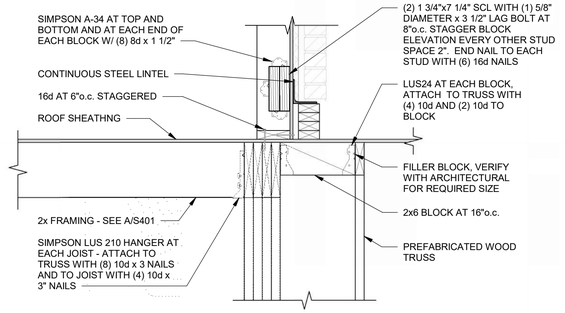
1 S401



BASE PLATE CONNECTION AT WOOD BEAM

SCALE : NONE

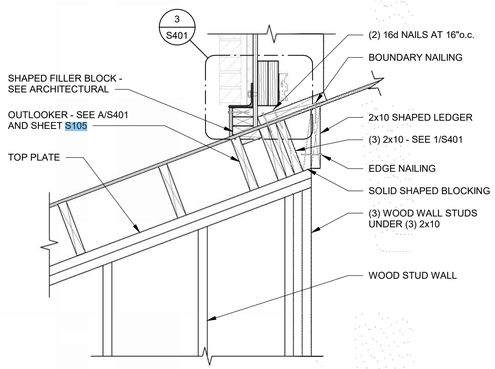
2 S401



STEEPLE DETAIL AT JOIST

SCALE : NONE

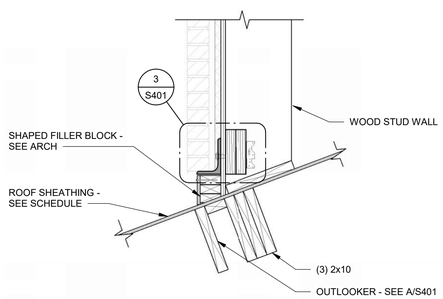
3 S401



BEAM BEARING AT STEEPLE

SCALE : NONE

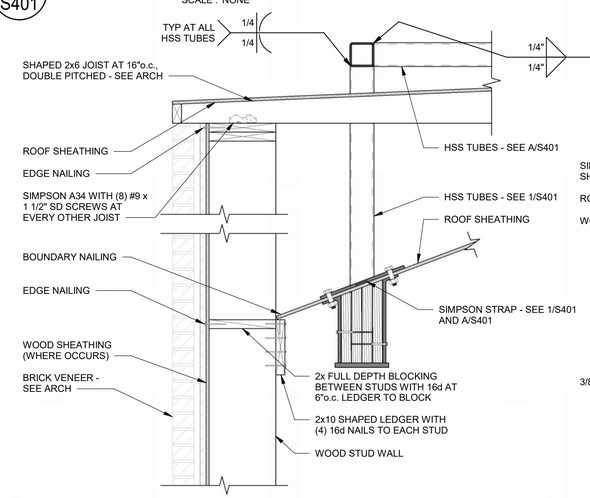
4 S401



WALL DETAIL AT STEEPLE

SCALE : NONE

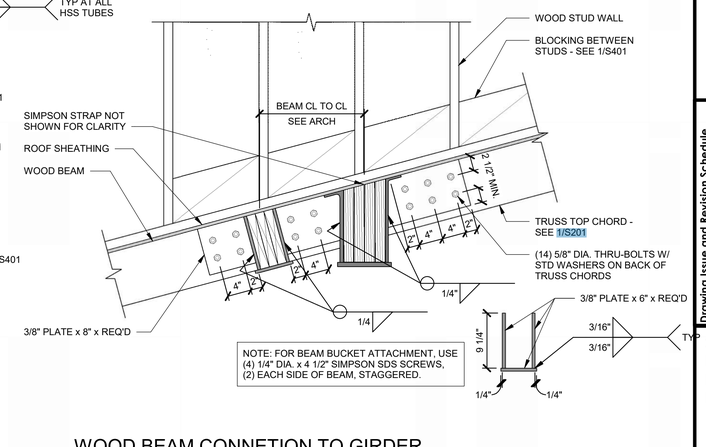
5 S401



DETAIL AT STEEPLE

SCALE : NONE

6 S401



WOOD BEAM CONNETION TO GIRDER TRUSS

SCALE : NONE

7 S401

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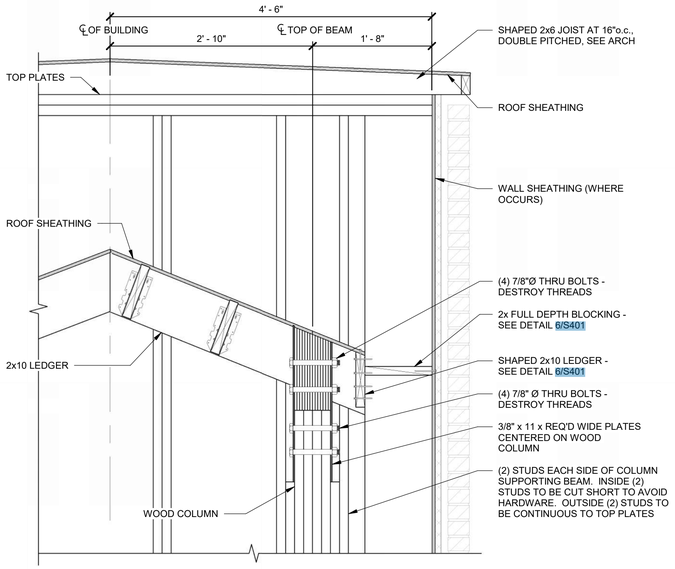
Owner #: 502-2004
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STEEPLE PLATFORM, FRAMING, AND DETAILS

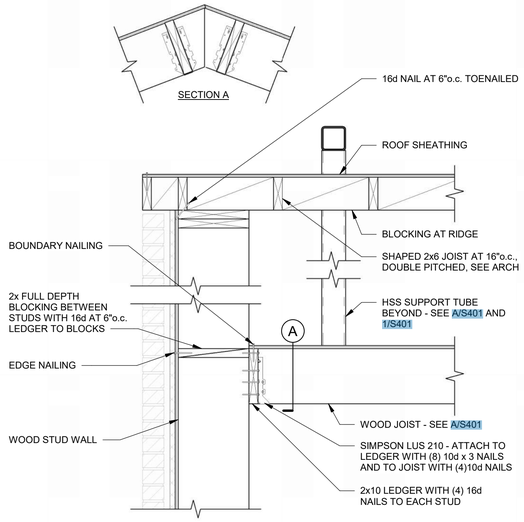
S401



DETAIL AT STEEPLE - FRONT WALL

SCALE : NONE

1 / S402



ROOF FRAMING AT STEEPLE

SCALE : NONE

2 / S402

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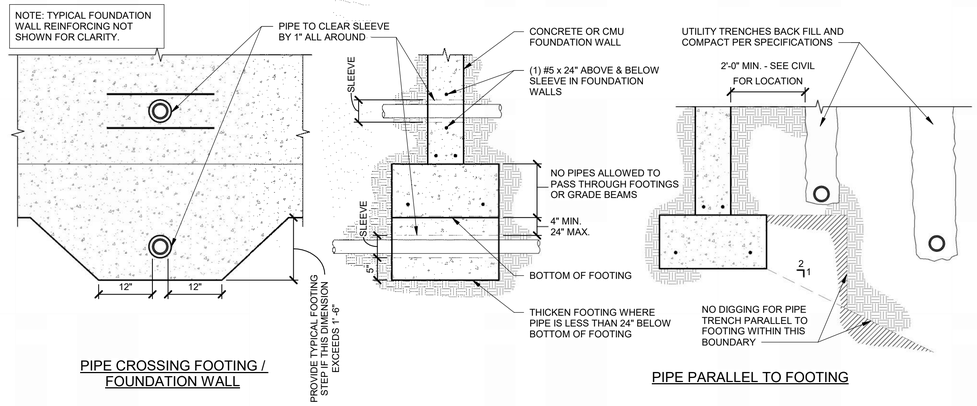
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STEEPLE DETAILS

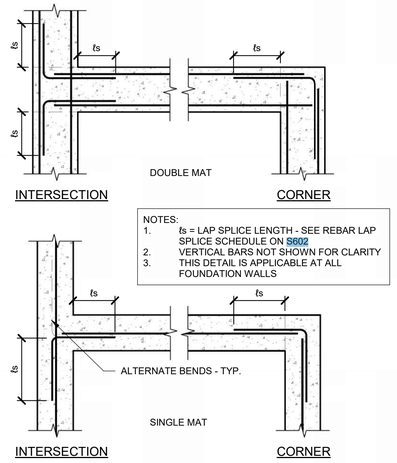
S402



TYPICAL PIPE PERPENDICULAR AND PARALLEL TO FOOTING DETAIL

SCALE : NONE

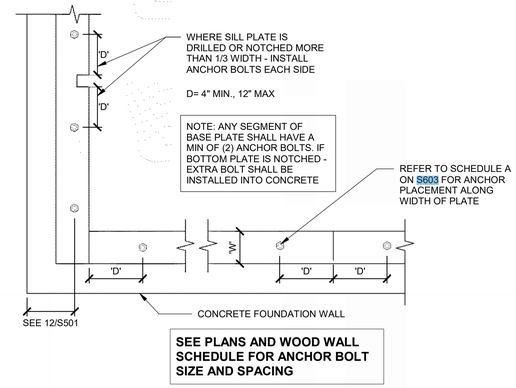
1 S501



TYPICAL REINFORCING AT INTERSECTIONS IN CONCRETE WALLS

SCALE : NONE

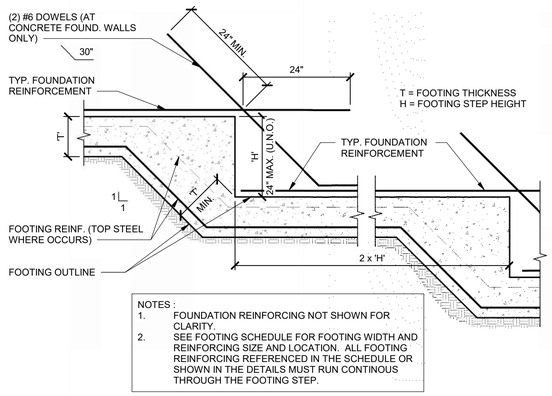
2 S501



TYPICAL SILL PLATE BOLTING DETAIL

SCALE : NONE

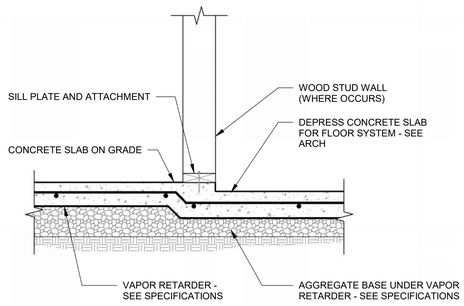
3 S501



TYPICAL FOOTING STEP DETAIL

SCALE : NONE

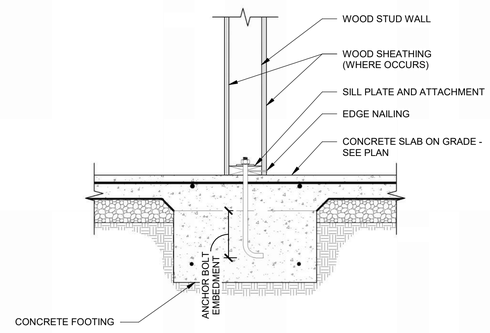
4 S501



TYPICAL NON-STRUCTURAL WOOD STUD WALL AT DEPRESSED CONCRETE SLAB ON GRADE

SCALE : NONE

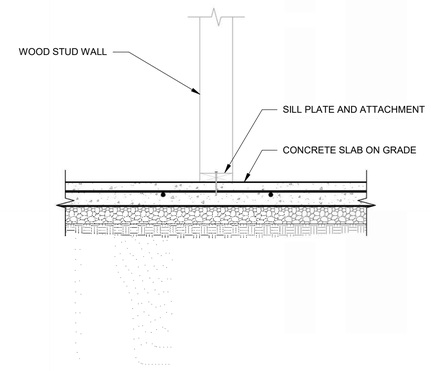
5 S501



INTERIOR CONCRETE FOOTING

SCALE : NONE

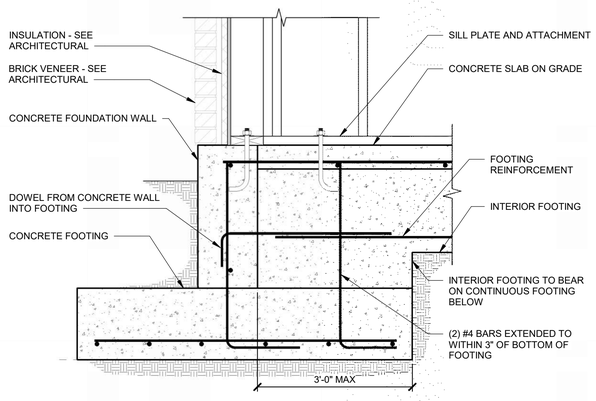
6 S501



NON-STRUCTURAL STUD AT SLAB ON GRADE

SCALE : NONE

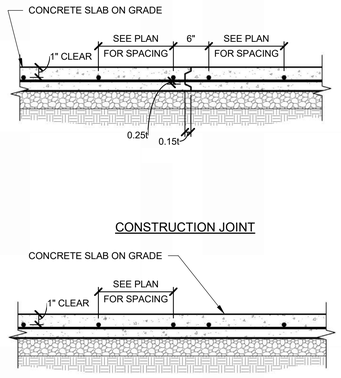
7 S501



TYPICAL FOOTING STEP AT EXTERIOR FOUNDATION WALL

SCALE : NONE

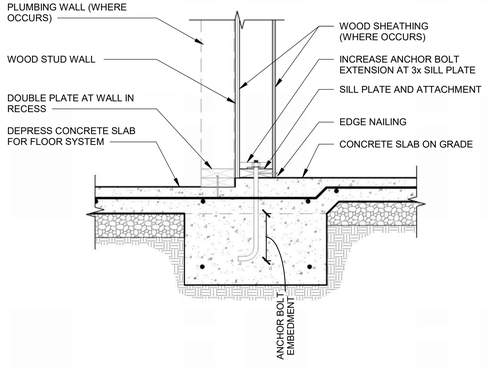
8 S501



TYPICAL SLAB ON GRADE DETAILS

SCALE : NONE

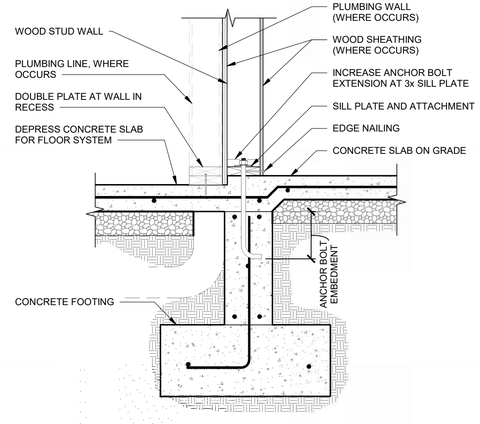
9 S501



BEARING WALL DETAIL AT FLOOR OFFSET

SCALE : NONE

10 S501



BEARING WALL DETAIL AT FLOOR OFFSET WITH FOUNDATION SYSTEM

SCALE : NONE

11 S501

8/15/2024 11:26:04 AM

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STATE OF UTAH — PROFESSIONAL ENGINEER — Matthew C. McBride No. 353893 — 8/14/24

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

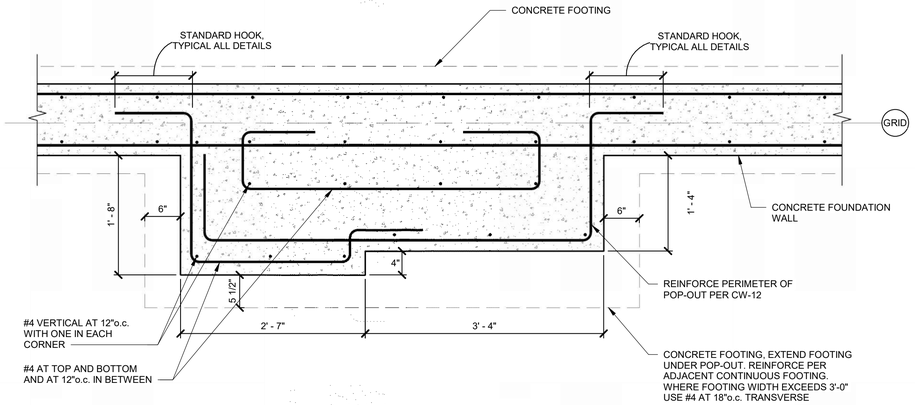
BHD #: 2346
Date: 15 Aug 2024
County Parcel: 39-228-0001
Plan Series: C300-MH-11
Owner #: 502-2004

Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

FOUNDATION DETAILS

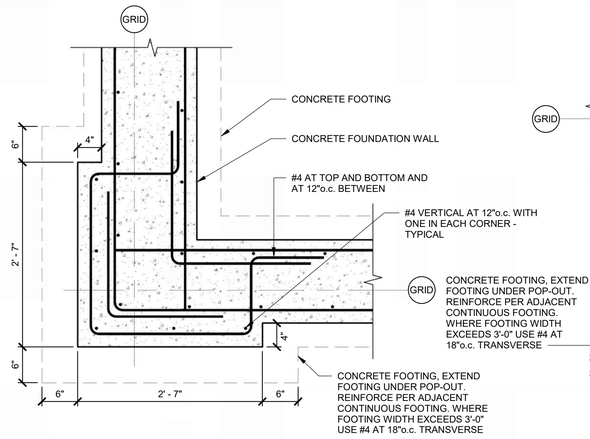
S501



FOUNDATION POP-OUT CONFIGURATION AT SIDE DORMERS

SCALE : NONE

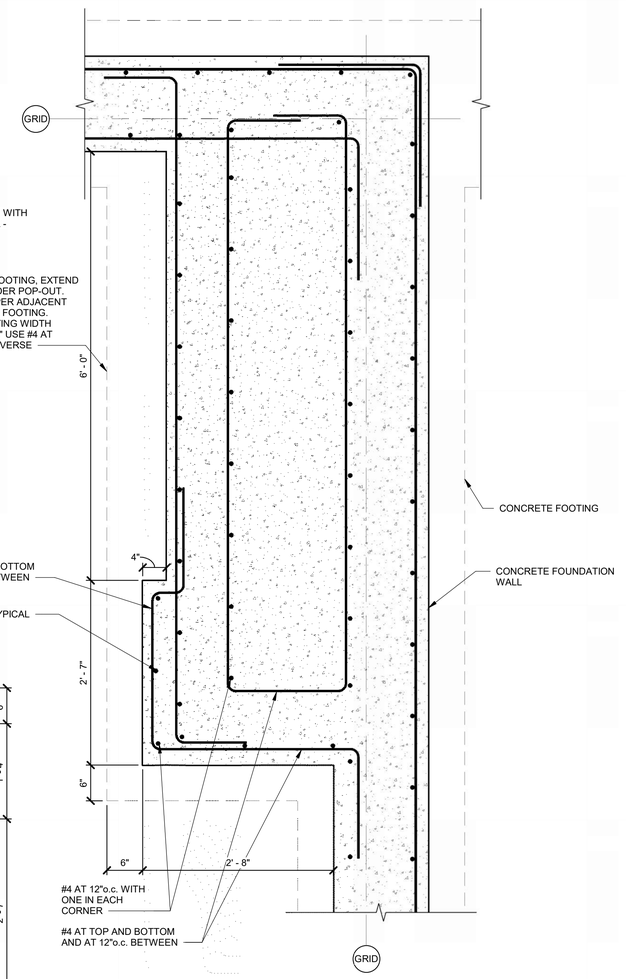
1 S502



FOUNDATION POP-OUT CONFIGURATION AT FRONT OF BUILDING

SCALE : NONE

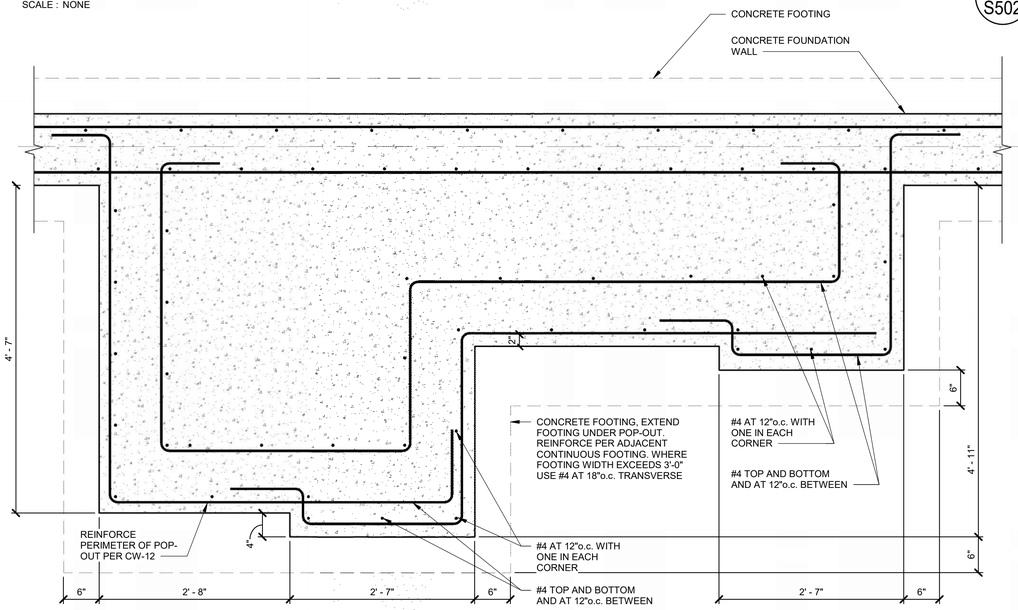
2 S502



FOUNDATION POP-OUT CONFIGURATION ON SIDES FACING FRONT OF BUILDING

SCALE : NONE

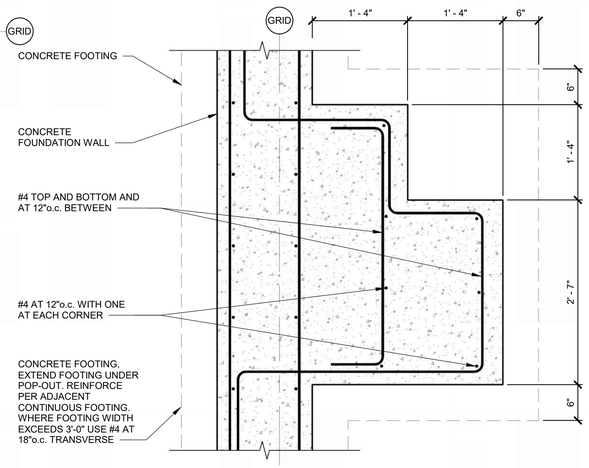
3 S502



FOUNDATION POP-OUT CONFIGURATION AT ENTRIES

SCALE : NONE

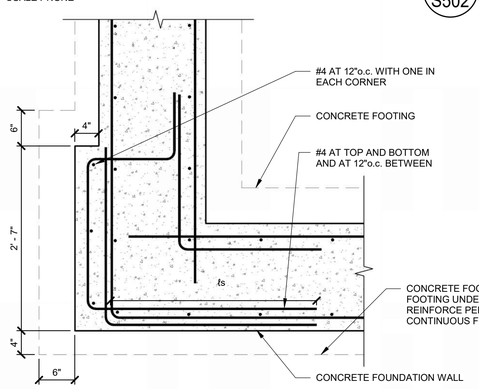
4 S502



FOUNDATION POP-OUT CONFIGURATION AT BACK WALL AT DOOR

SCALE : NONE

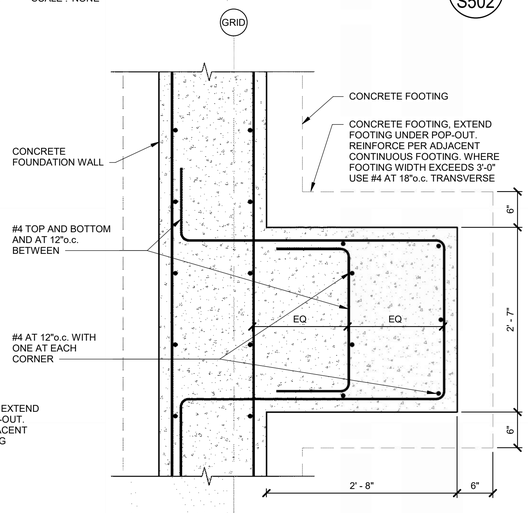
5 S502



FOUNDATION POP-OUT CONFIGURATION AT FRONT OF BUILDING

SCALE : NONE

6 S502



FOUNDATION POP-OUT CONFIGURATION AT BACK WALL

SCALE : NONE

7 S502

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STATE OF UTAH — PROFESSIONAL ENGINEER — Matthew C. McBride No. 353893 — 8/14/24

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

Owner #: 502-2004
Plan Series: G300-MH-11
County Parcel: 39-228-0001
BHD #: 2346
Date: 15 Aug 2024

Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

FOUNDATION DETAILS

S502

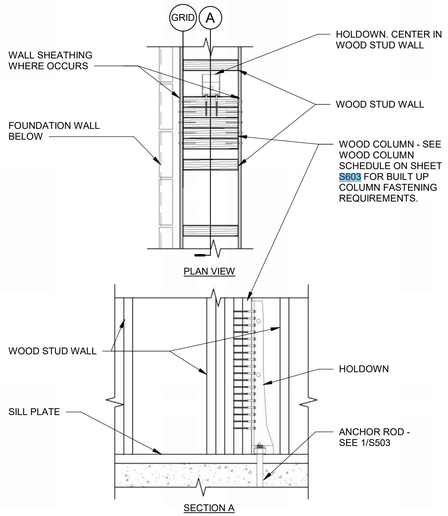
8/15/2024 11:26:05 AM

HOLDOWN ANCHOR ATTACHMENT			
SIMPSON HOLD DOWN MODEL NO.	ATTACHMENT FASTENERS[2]	EMBEDMENT DEPTH[3]	ANCHOR BOLT[1,4,5]
HDU2	(6) SDS 1/4" x 2 1/2"	1'-6"	5/8" DIAMETER F1554, GR 36 ROD WITH DOUBLE NUT AND WASHER
HDU5	(14) SDS 1/4" x 2 1/2"	1'-6"	5/8" DIAMETER F1554, GR 36 ROD WITH DOUBLE NUT AND WASHER
HDU8	(20) SDS 1/4" x 2 1/2"	1'-6"	7/8" DIAMETER F1554, GR 36 ROD WITH DOUBLE NUT AND WASHER
HDU11	(30) SDS 1/4" x 2 1/2"	1'-6"	1" DIAMETER F1554, GR 36 ROD WITH DOUBLE NUT AND WASHER
HDU14	(36) SDS 1/4" x 2 1/2"	2'-0"	1" DIAMETER F1554, GR 36 ROD WITH DOUBLE NUT AND WASHER
HD19	(5) 1"ø BOLTS	1'-6"	SIMPSON PAB10

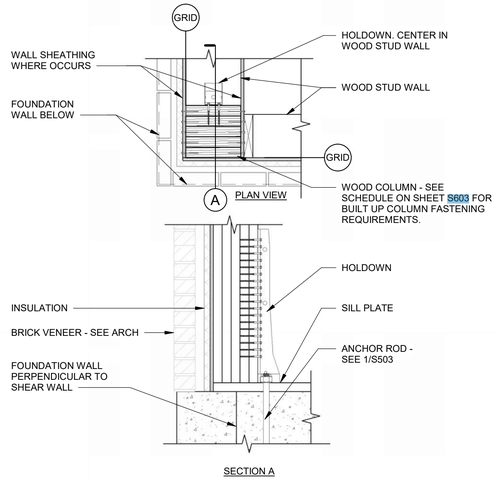
NOTES:

1. ALL FASTENERS FOR PRESERVATIVE AND TREATED WOOD SHALL BE HOT DIPPED ZINC COATED GALVANIZED STEEL, STAINLESS STEEL, SILICONE BRONZE OR COPPER, UNLESS WOOD IS BORATE TREATED. EXCEPTION: PLAIN CARBON STEEL FASTENERS, INCLUDING NUTS AND WASHERS IN SBXDOT AND ZINC BORATE PRESERVATIVE-TREATED WOOD INSTALLED IN AN INTERIOR, DRY ENVIRONMENT ARE PERMITTED.
2. ALL WOOD COLUMNS TO BE NAILED OR BOLTED TOGETHER PER SCHEDULE ON S603 PRIOR TO HOLDOWN INSTALLATION.
3. EMBEDMENT DEPTH, *te*, IS TO BE FROM TOP OF FOUNDATION WALL OR BOTTOM OF SLAB ON GRADE.
4. HOLDOWN ANCHORS TO BE CENTERED IN STUD WALL AND TO HAVE 4" MIN. CLEARANCE TO FACE OF CONCRETE WALL.
5. WASHER TO BE 3/8" x 4" x 4".

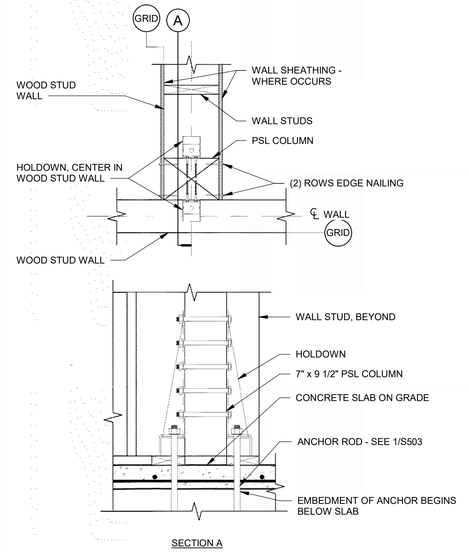
HOLDOWN ANCHOR BOLT SCHEDULE
SCALE : NONE — 1 / S503



HOLDOWN AT MID-WALL
SCALE : NONE — 2 / S503



HOLDOWN AT CORNER
SCALE : NONE — 3 / S503



HOLDOWN AT INTERIOR SHEAR WALL
SCALE : NONE — 4 / S503

HOLDOWN AT STEEPLE ANCHORAGE
SCALE : NONE — 6 / S503

SECTION AT EXTERIOR WALL
SCALE : NONE — 7 / S503

SECTION AT FOUNDATION WALL RECESS AT OPENINGS
SCALE : NONE — 8 / S503

POP-OUT
SCALE : NONE — 9 / S503

DOUBLE WALL POP-OUT
SCALE : NONE — 10 / S503

NARROW POP-OUT
SCALE : NONE — 11 / S503

TYPICAL CONNECTION OF SPOT TO CONTINUOUS FOOTING WHEN FOOTINGS ARE PLACED AT DIFFERENT TIMES
SCALE : NONE — 12 / S503

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STATE OF UTAH — PROFESSIONAL ENGINEER — Matthew C. McBride No. 353893 — 8/14/24

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

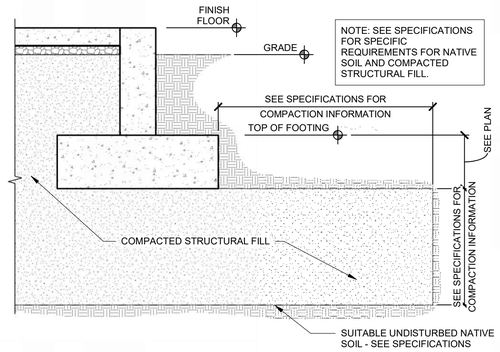
Approx. 542 South Geneva Road
Vineyard, Utah 84059

Owner #: 502-2004
Plan Series: G300-MH-11
County Parcel: 39-228-0001
BHD #: 2346
Date: 15 Aug 2024

Drawing Issue and Revision Schedule		
#	Date	Description
1	15 Aug 2024	Bid Documents

FOUNDATION DETAILS

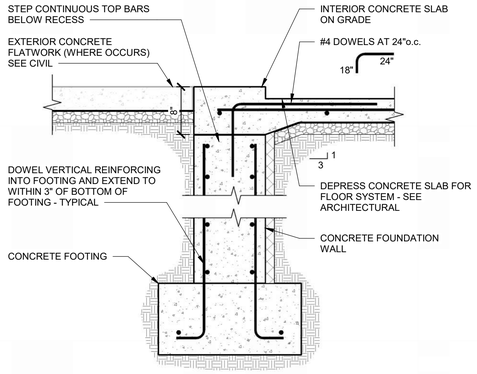
S503



TYPICAL FOOTING OVER COMPACTED STRUCTURAL FILL

SCALE : NONE

1 / S504



SECTION AT FOUNDATION WALL RECESS AT OPENINGS

SCALE : NONE

2 / S504

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PROFESSIONAL ENGINEER
Matthew C. McBride
No. 353893
8/14/24
STATE OF UTAH

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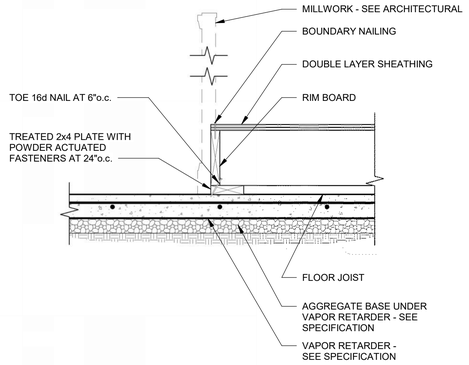
Date: 15 Aug 2024
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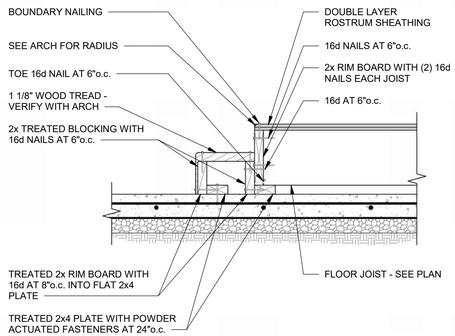
FOUNDATION DETAILS

S504



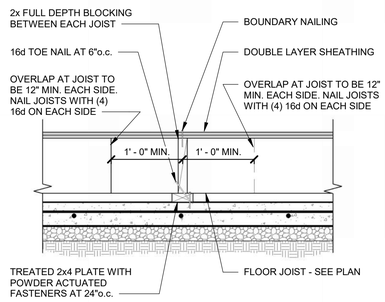
ROSTRUM FRONT EDGE — 1 / S511

SCALE : NONE



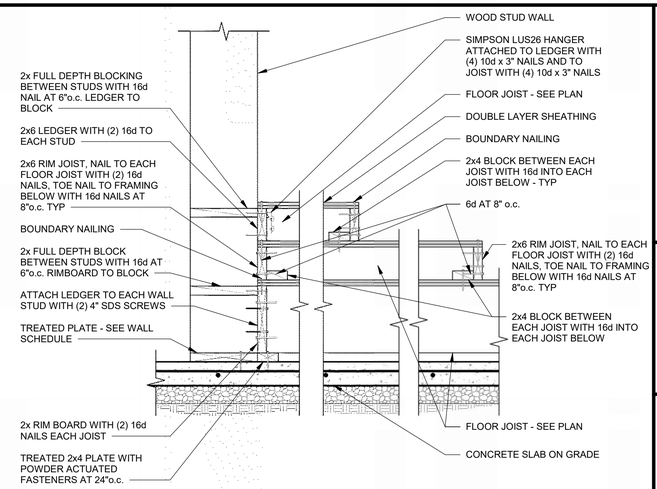
STAIRS — 2 / S511

SCALE : NONE



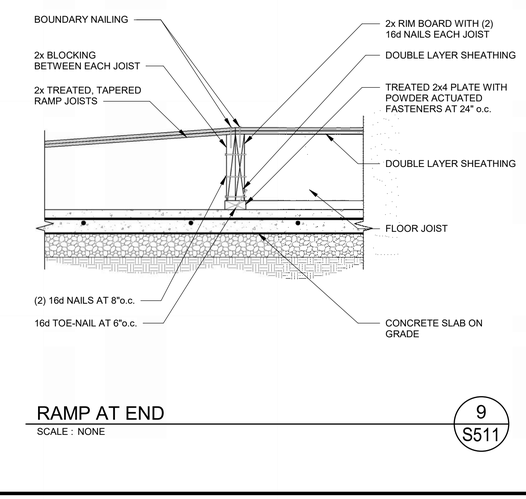
JOIST BEARING — 3 / S511

SCALE : NONE



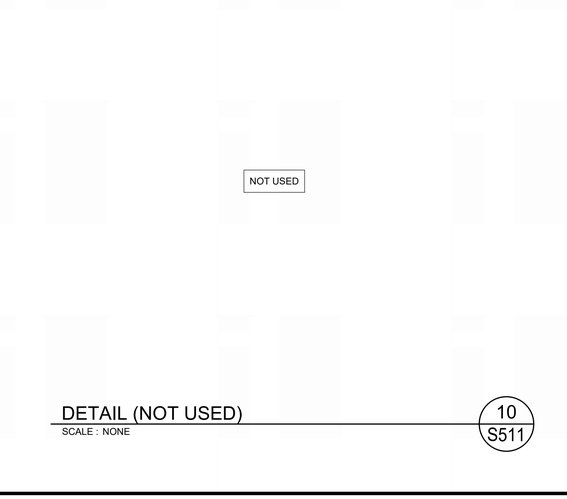
ROSTRUM OVERBUILD — 4 / S511

SCALE : NONE



ROSTRUM DETAIL AT EXTERIOR WALL — 5 / S511

SCALE : NONE



ROSTRUM RAMP AT EXTERIOR WALL — 6 / S511

SCALE : NONE

NOT USED

DETAIL (NOT USED) — 7 / S511

SCALE : NONE



RAMP AT EDGE — 8 / S511

SCALE : NONE

RAMP AT END — 9 / S511

SCALE : NONE

NOT USED

DETAIL (NOT USED) — 10 / S511

SCALE : NONE

NOT USED

DETAIL (NOT USED) — 11 / S511

SCALE : NONE

NOT USED

DETAIL (NOT USED) — 12 / S511

SCALE : NONE

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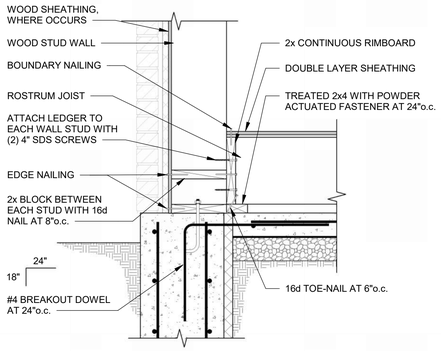
ROSTRUM AND PLATFORM DETAILS

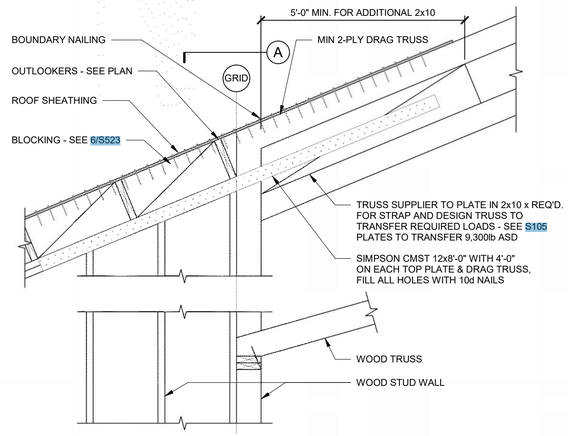
S511

8/15/2024 11:26:10 AM

NOT USED

NOT USED





DETAIL (NOT USED) — 1/S512

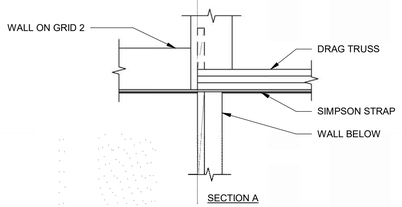
SCALE : NONE

DETAIL (NOT USED) — 2/S512

SCALE : NONE

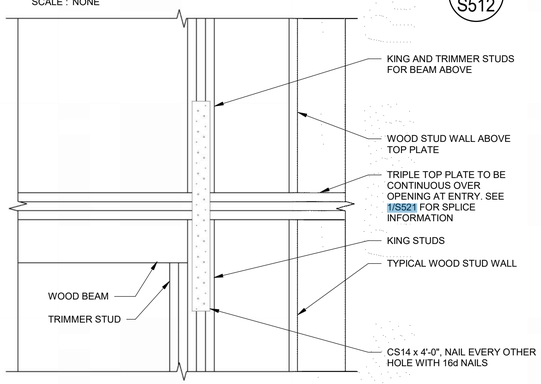
ROSTRUM AT EXTERIOR FRONT WALL — 3/S512

SCALE : NONE



DRAG DETAIL ON GRID 2 — 4/S512

SCALE : NONE



CONTINUITY OF TOP PLATES AT MAIN ENTRY — 5/S512

SCALE : NONE

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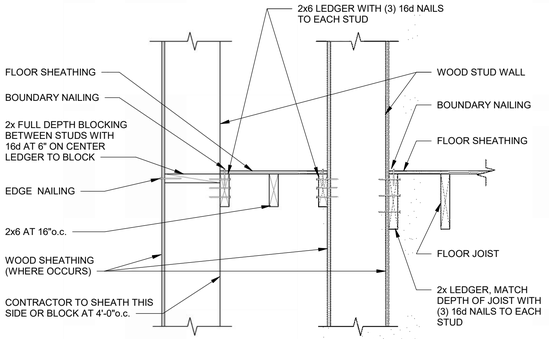
Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

ROSTRUM AND PLATFORM DETAILS

S512

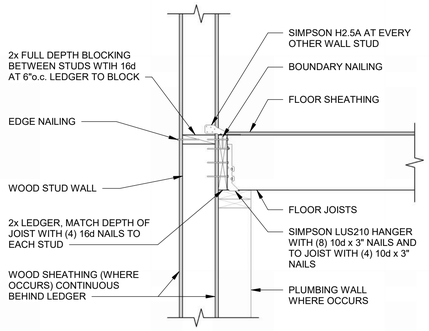
8/15/2024 11:26:11 AM



EQUIPMENT PLATFORM FRAMING AT WALL POP-OUT, FRONT OF BUILDING

SCALE : NONE

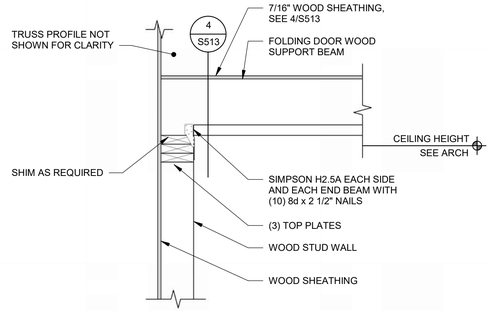
1 / S513



EQUIPMENT PLATFORM TO WALL CONNECTION

SCALE : NONE

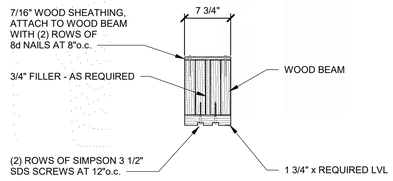
2 / S513



PARTITION DOOR SUPPORT AT EXTERIOR WALL

SCALE : NONE

3 / S513



PARTITION DOOR BEAM SECTION

SCALE : NONE

4 / S513

PARTITION DOOR SUPPORT AT INTERIOR WALL

SCALE : NONE

5 / S513

EQUIPMENT PLATFORM FLOOR JOISTS BEARING AT WOOD STUD WALL

SCALE : NONE

6 / S513

STEP IN EQUIPMENT PLATFORM

SCALE : NONE

7 / S513

CHAPEL LIGHT COVE DETAIL

SCALE : NONE

8 / S513

NOT USED

DETAIL (NOT USED)

SCALE : NONE

9 / S513

NOT USED

DETAIL (NOT USED)

SCALE : NONE

10 / S513

FLOOR EDGE CONDITION AT WALL OVER BATHROOM

SCALE : NONE

11 / S513

FLOOR EDGE CONDITION AT WALL

SCALE : NONE

12 / S513

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65 East Wadsworth Park Drive
Suite 205 Draper, Utah 84020

LICENSED PROFESSIONAL ENGINEER — Matthew C. McBride — No. 353893 — 8/14/24 — STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

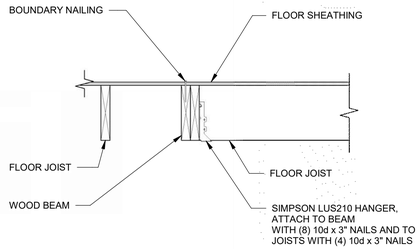
Date:	15 Aug 2024
BHD #:	2346
County Parcel:	39:228:0001
Plan Series:	G300-MH-11
Owner #:	502-2004

Drawing Issue and Revision Schedule

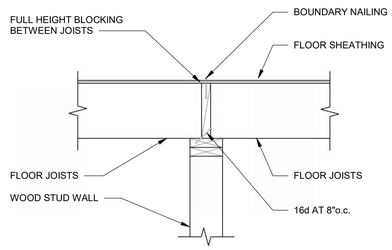
#	Date	Description
1	15 Aug 2024	Bid Documents

EQUIPMENT PLATFORM FRAMING DETAILS

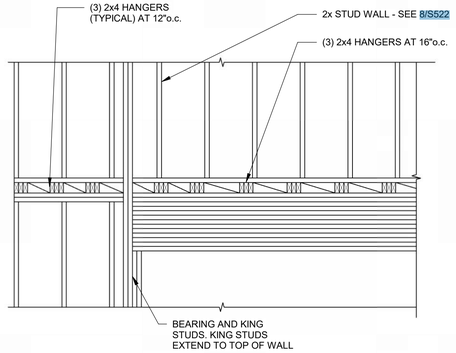
S513



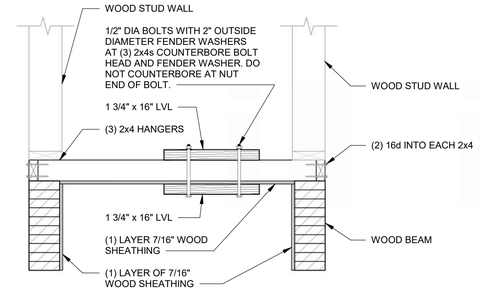
JOIST TO BEAM CONNECTION
SCALE : NONE — 1 / S514



FLOOR JOISTS BEARING AT WALL
SCALE : NONE — 2 / S514

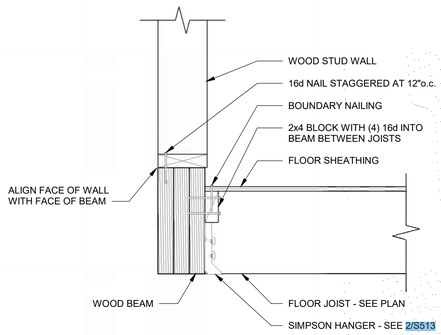


FOLDING PARTITION SECTION AT PLATFORM
SCALE : NONE — 3 / S514

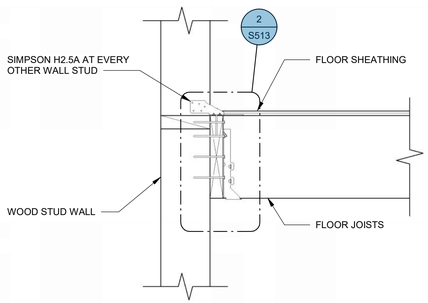


NOTE: SEE ARCH FOR DIMENSIONS AND ELEVATIONS

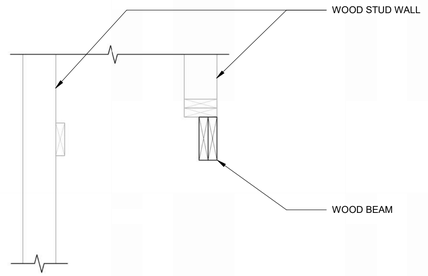
FOLDING PARTITION SECTION
SCALE : NONE — 4 / S514



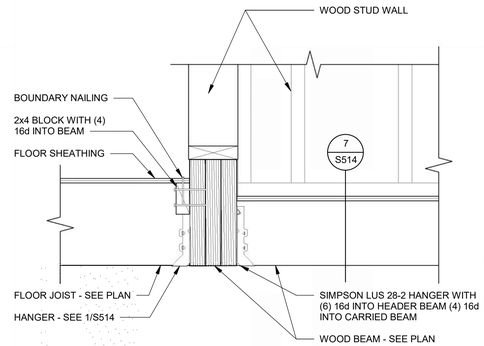
JOIST-TO-BEAM AT ENTRY
SCALE : NONE — 5 / S514



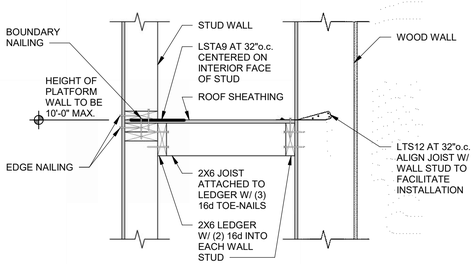
EQUIPMENT PLATFORM TO WALL CONNECTION
SCALE : NONE — 6 / S514



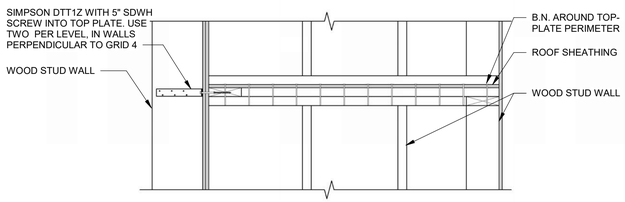
FOYER LIGHT COVE
SCALE : NONE — 7 / S514



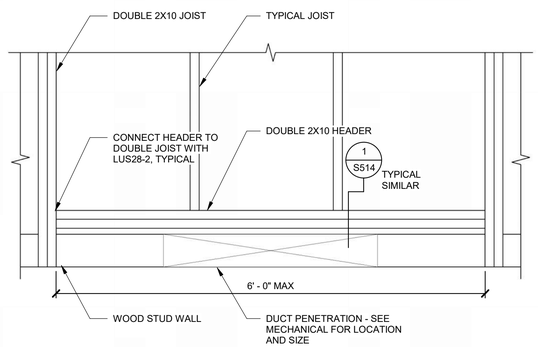
FOYER LIGHT COVE BEAM-TO-BEAM
SCALE : NONE — 8 / S514



POP-OUT WALL BRACING TO BACK-UP WALL
SCALE : NONE — 9 / S514

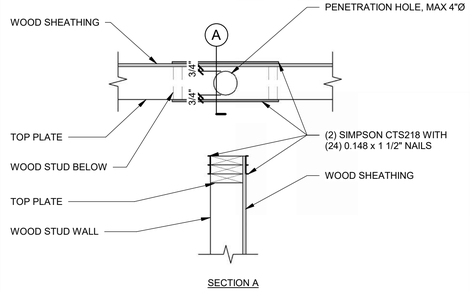


POP-OUT MIDDLE OF BUILDING AT GRID 4
SCALE : NONE — 10 / S514



PLAN VIEW

DUCT PENETRATION AT BEARING WALL
SCALE : NONE — 11 / S514



SECTION A

TOP PLATE REINFORCING AT GAS PIPE PENETRATION
SCALE : NONE — 12 / S514

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Toll Free 888.571.0010
65 East Wadsworth Park Drive
Suite 205 Draper, Utah 84020



THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

BHD #: 2346
County Parcel: 39-228:0001
Plan Series: G300-MH-11
Owner #: 502-2004
Date: 15 Aug 2024

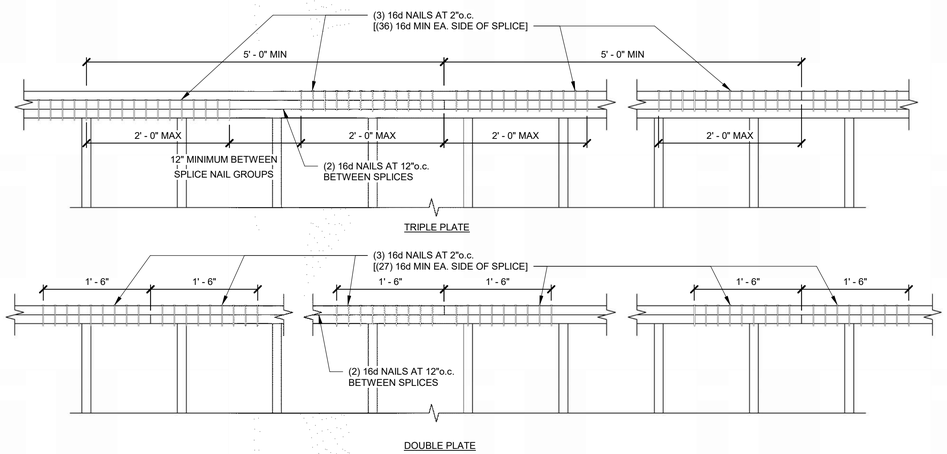
Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

EQUIPMENT PLATFORM FRAMING DETAILS

S514

8/15/2024 11:26:14 AM

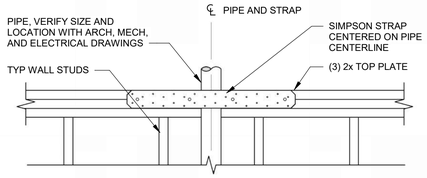


TYPICAL TOP PLATE SPLICE DETAIL

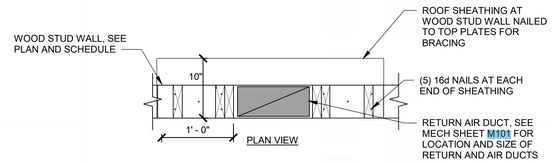
SCALE : NONE

1 S521

TOP PLATE SPLICE (2x6 WALLS ONLY) PENETRATIONS SCHEDULE	
HOLE SIZE	STRAPS
LESS THAN OR EQUAL TO 2 1/2" DIAMETER	NONE REQUIRED
GREATER THAN 2 1/2" DIAMETER AND LESS THAN OR EQUAL TO 3 1/2" DIAMETER	MSTC28 CENTERED BETWEEN (2) TOP PLATES WITH (16) 16d x 3 1/2" NAILS EACH END OF STRAP. DO NOT NAIL INTO PIPE.
NOTE: HOLE SIZE IS TOTAL ALLOWABLE HOLE DIAMETER, NOT PIPE DIAMETER. DO NOT OVERCUT.	



AT EXTERIOR WALL OR INTERIOR SHEAR WALL

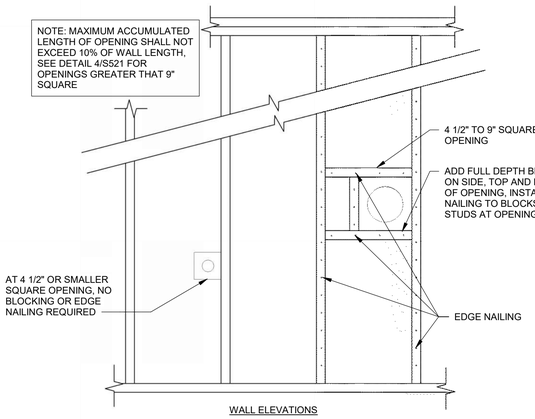


NOTE:
AT CONTRACTORS OPTION MAY USE METAL STRAP SPLICE

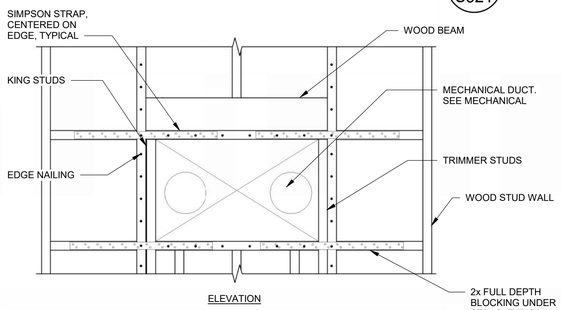
TYPICAL TOP PLATE SPLICE PENETRATION SCHEDULE

SCALE : NONE

2 S521



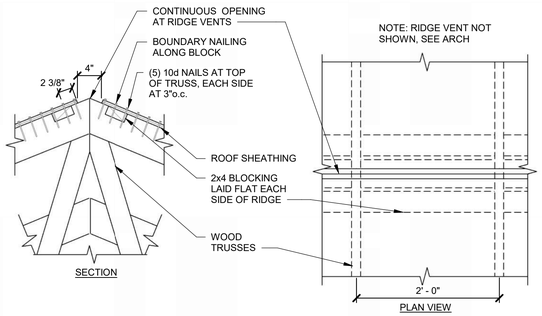
WALL ELEVATIONS



ELEVATION

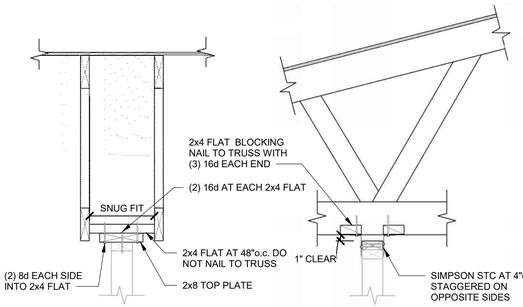
BEAM SPAN	BEAM SIZE	TRIMMER	KING STUD	SIMPSON STRAP	NAILS
1'-3"	(3) 2x6	(1) 2x	(1) 2x	CS20 x 2'-0"	(24) 8d x 2 1/2"
3'-5"	(3) 2x10	(1) 2x	(1) 2x	CS16 x 2'-0"	(36) 8d x 2 1/2"
5'-7"	(3) 2x12	(1) 2x	(1) 2x	CS16 x 2'-8"	(44) 8d x 2 1/2"

SEE DETAIL 3/S521 FOR OPENINGS < 9" SQUARE



SECTION

PLAN VIEW



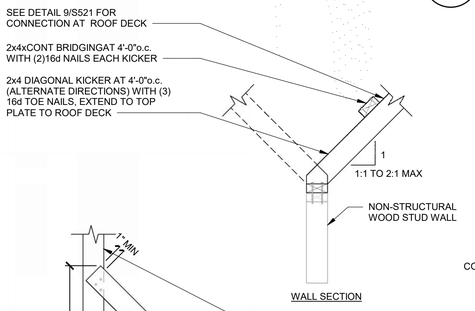
WALL PARALLEL TO TRUSSES

WALL PERPENDICULAR TO TRUSSES

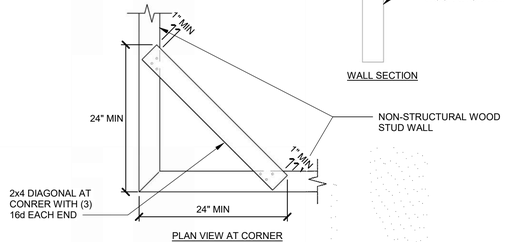
TYPICAL WALL PENETRATIONS LESS THAN 9" SQUARE

SCALE : NONE

3 S521



WALL SECTION

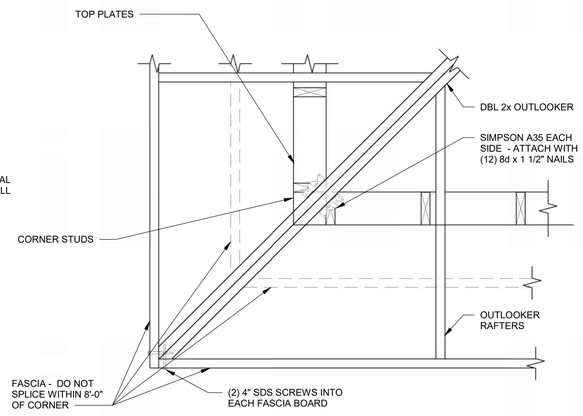


PLAN VIEW AT CORNER

TYPICAL WALL PENETRATIONS SCHEDULE FOR PENETRATORS GREATER THAN 9" SQUARE

SCALE : NONE

4 S521



TYPICAL RIDGE DETAIL AT RIDGE VENT LOCATIONS

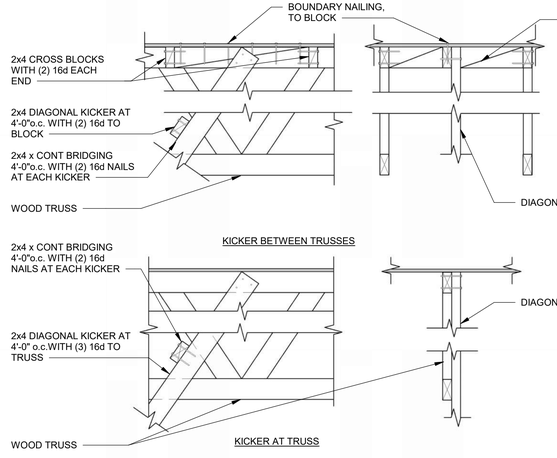
SCALE : NONE

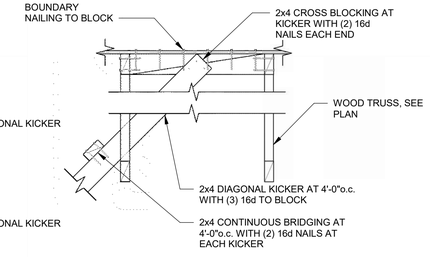
5 S521

TYPICAL NON-STRUCTURAL WALL TO UNDERSIDE OF TRUSS

SCALE : NONE

6 S521





DIAGONAL KICKER PERPENDICULAR TO TRUSS

TYPICAL NON-STRUCTURAL PARTITION BRACING DETAILS

SCALE : NONE

7 S521

TYPICAL CORNER ROOF FRAMING PLAN VIEW

SCALE : NONE

8 S521

TYPICAL KICKER CONNECTIONS TO ROOF TRUSSES

SCALE : NONE

9 S521

8/15/2024 11:26:16 AM

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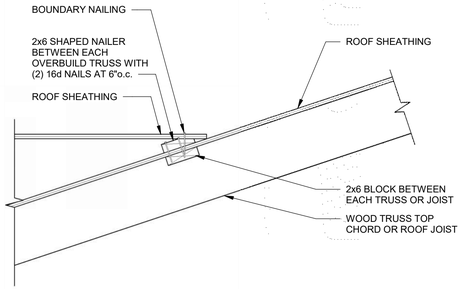
BHD #: 2346
County Parcel: 39-228:0001
Plan Series: G300-MH-11
Owner #: 502-2004
Date: 15 Aug 2024

Drawing Issue and Revision Schedule

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ROOF DETAILS

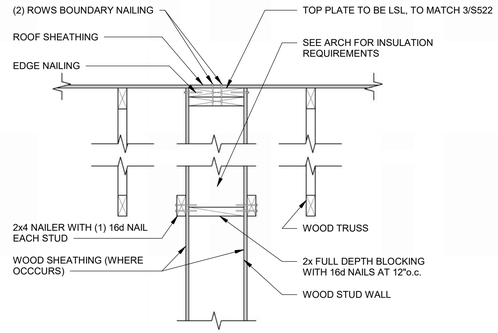
S521



OVERBUILD BETWEEN EACH OVERBUILD TRUSS

1 / S522

SCALE : NONE

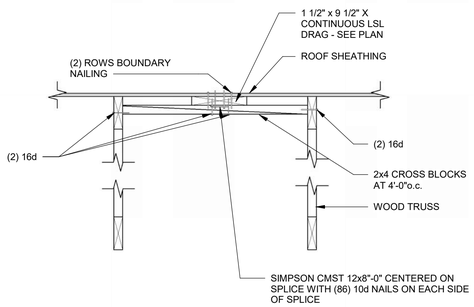


SHEAR WALL TO ROOF SHEATHING

INTERIOR SHEAR WALL TO ROOF CONNECTION

2 / S522

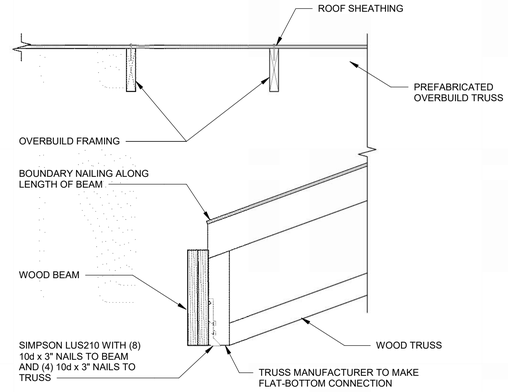
SCALE : NONE



DRAG SUPPORT BETWEEN TRUSSES

3 / S522

SCALE : NONE



ROOF TRUSS TO BEAM CONNECTION

4 / S522

SCALE : NONE

BEAM TO TRUSS AT BACK OVERBUILD

5 / S522

SCALE : NONE

MECHANICAL PENETRATION AT WALL POP-OUT

6 / S522

SCALE : NONE

WOOD TRUSS BEARING AT EXTERIOR WALL

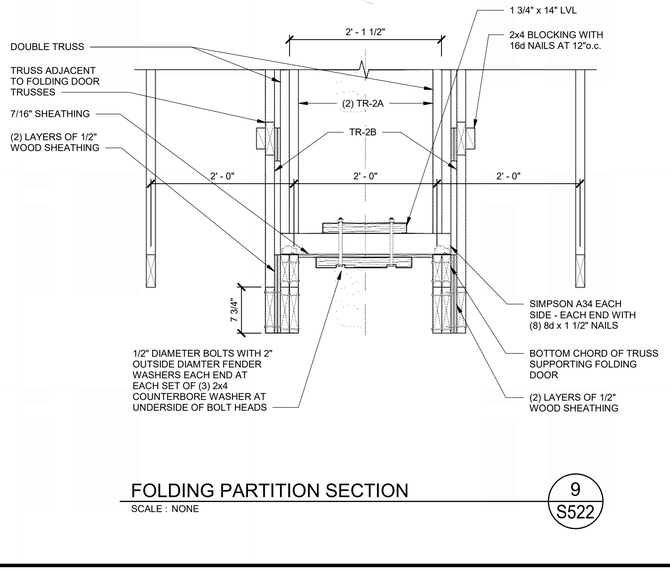
7 / S522

SCALE : NONE

DRAG-TO-SHEAR WALL

8 / S522

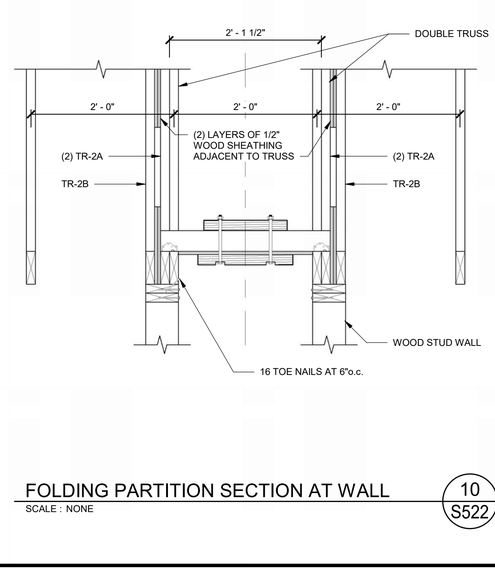
SCALE : NONE



FOLDING PARTITION SECTION

9 / S522

SCALE : NONE



FOLDING PARTITION SECTION AT WALL

10 / S522

SCALE : NONE

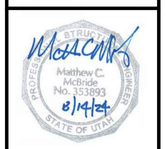
FOLDING PARTITION SECTION (BETWEEN CHAPEL AND CULTURAL HALL)

11 / S522

SCALE : NONE

8/15/2024 11:26:17 AM

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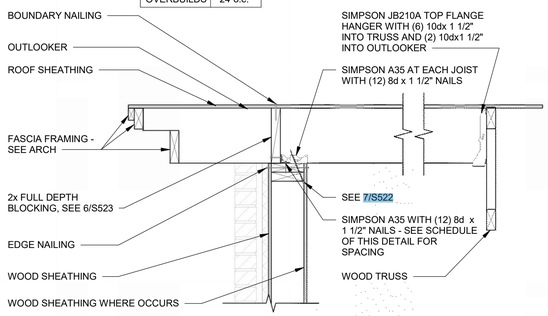
Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

ROOF DETAILS

S522

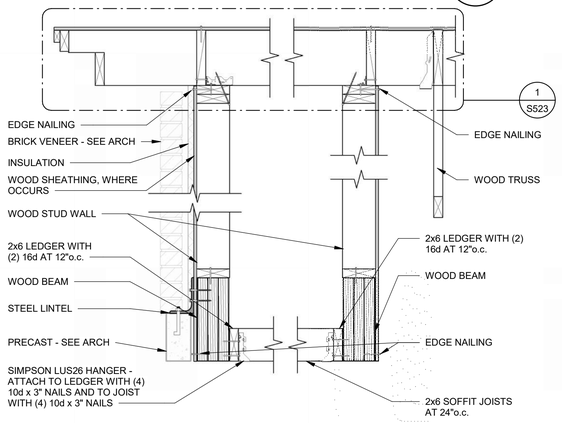
A35 SPACING	
GRID	SPACING
1	24"o.c.
2	12"o.c.
3	16"o.c.
OVERBUILDS	24"o.c.



OUTLOOKER AT EXTERIOR WALL

SCALE : NONE

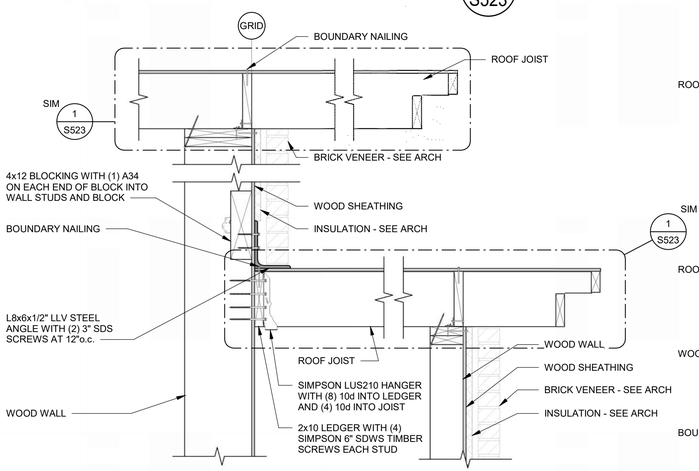
1 S523



OUTLOOKER DETAIL AT ENTRY

SCALE : NONE

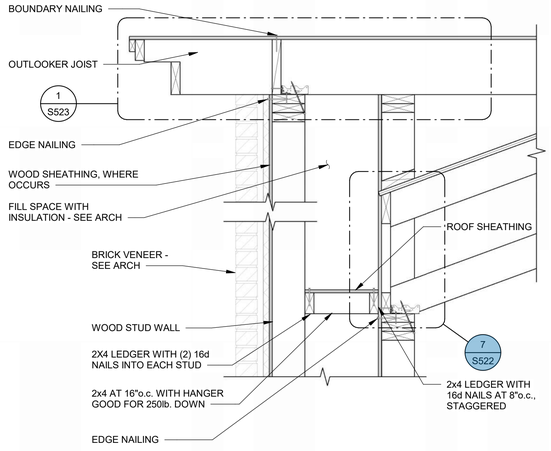
5 S523



OUTLOOKER AND WALL POP-OUT AT BACK ENTRANCE

SCALE : NONE

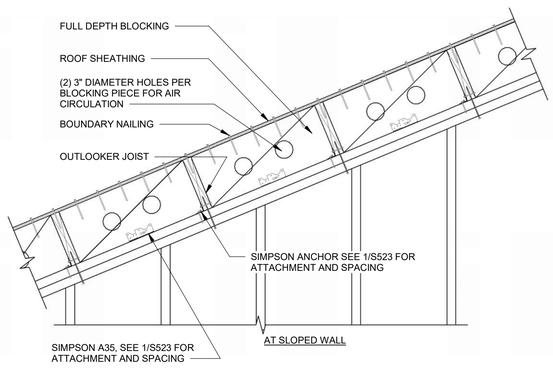
9 S523



OUTLOOKER AT EXTERIOR WALL

SCALE : NONE

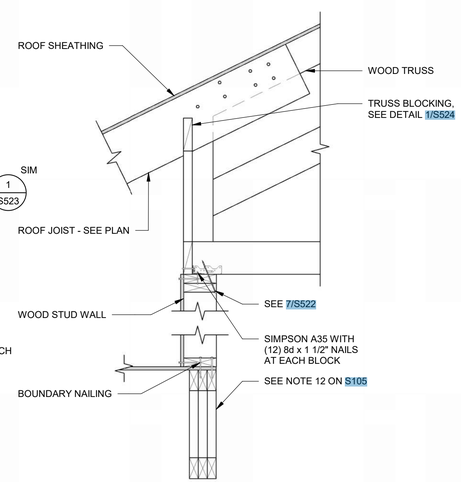
2 S523



SOLID BLOCKING AND ANCHORING DETAIL

SCALE : NONE

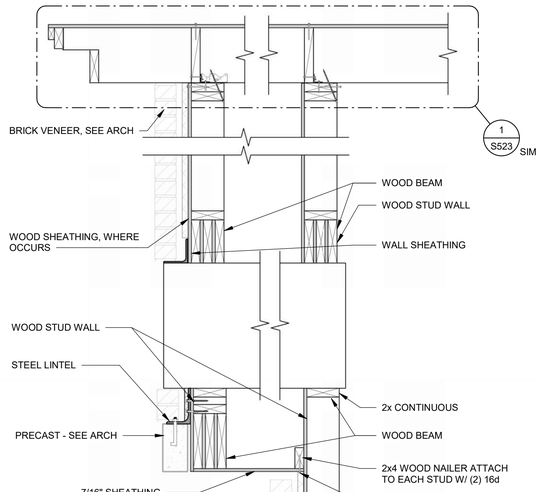
6 S523



ROOF TRUSS AND OVERBUILD FRAMING

SCALE : NONE

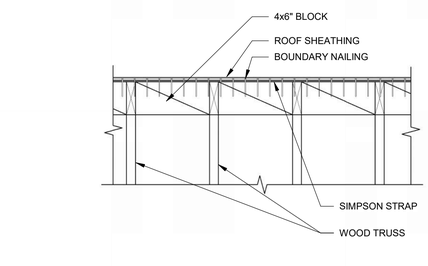
10 S523



FRAMING AT MECHANICAL OPENING

SCALE : NONE

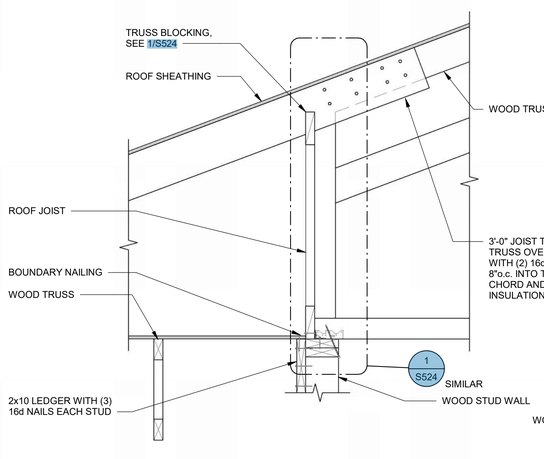
3 S523



METAL COIL STRAP DETAIL

SCALE : NONE

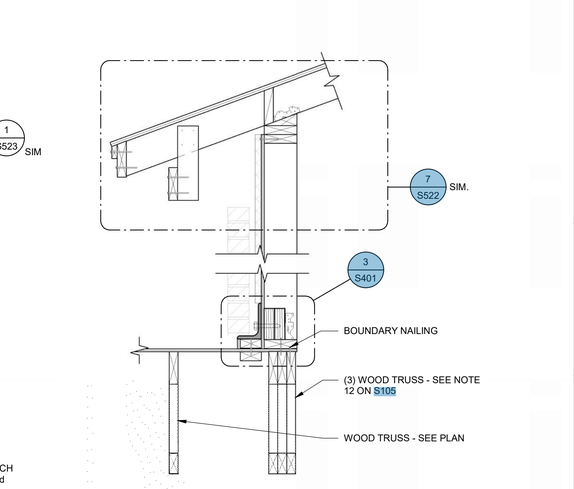
7 S523



TRUSS OVERBUILD DETAIL

SCALE : NONE

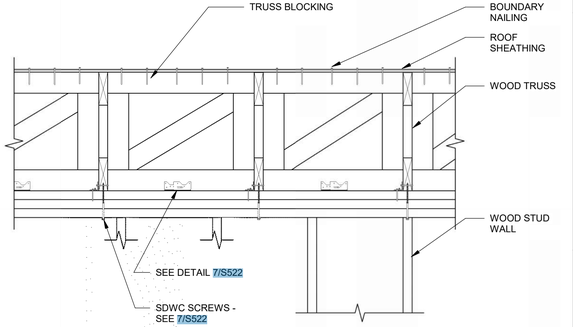
11 S523



FRAMING AT ROOF POP-UP ON TRUSSES

SCALE : NONE

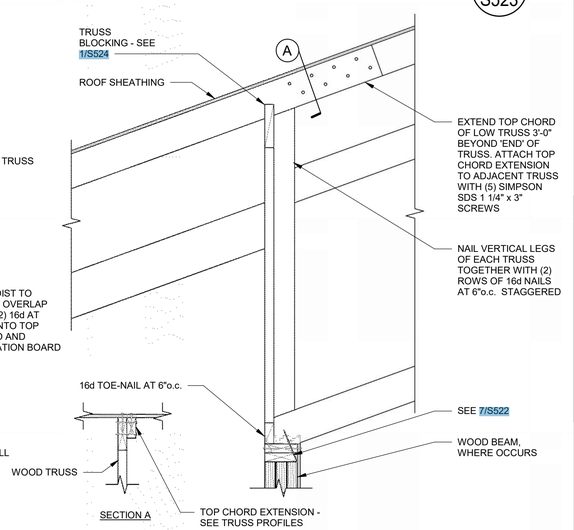
4 S523



TRUSS BLOCKING AT LOW EXTERIOR WALL

SCALE : NONE

8 S523



TRUSS BEARING AT INTERIOR WALL

SCALE : NONE

12 S523

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Matthew C. McBride No. 353893 8/14/24 STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

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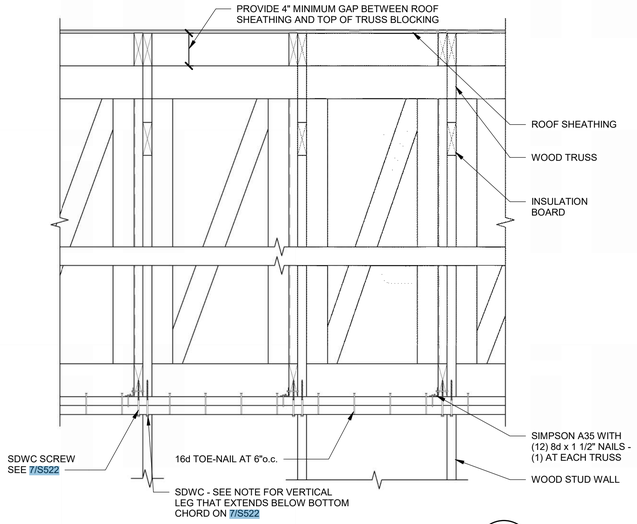
Owner #: 502-2004
Plan Series: G300-MH-11
County Parcel: 39-228:0001
BHD #: 2346
Date: 15 Aug 2024

Drawing Issue and Revision Schedule

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ROOF DETAILS

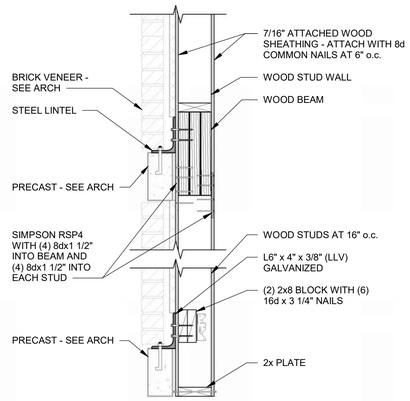
S523



TRUSS BLOCKING AT INTERIOR BEARING

1 / S524

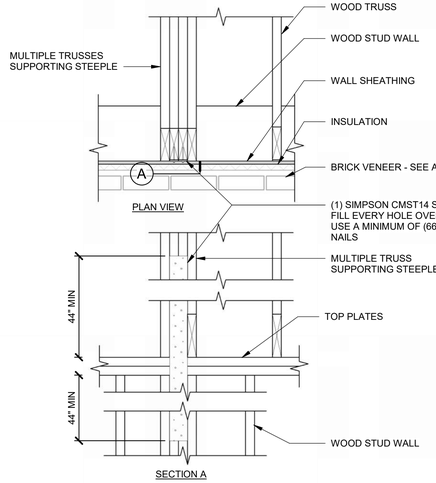
SCALE : NONE



SUSPENDED ELEMENT AT OPENING

2 / S524

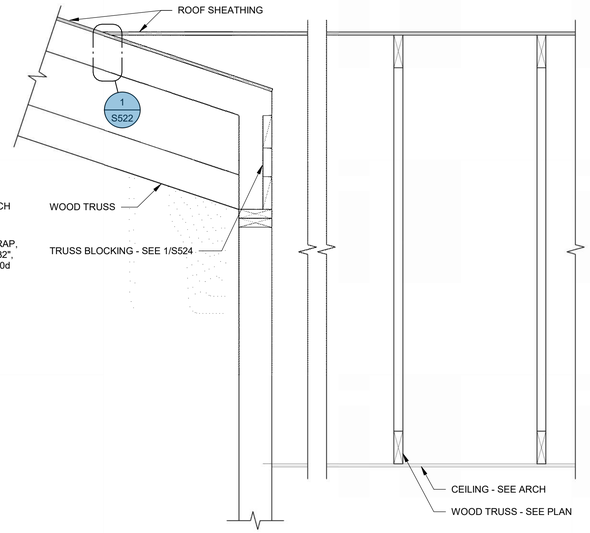
SCALE : NONE



ANCHORAGE OF STEEPLE SUPPORT TRUSSES TO WALL

3 / S524

SCALE : NONE



BEARING AT TR-3 AT ENTRY

4 / S524

SCALE : NONE

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ROOF DETAILS

S524

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SCHEDULE A

DESIGN CRITERIA

DESIGN CRITERIA	2018 INTERNATIONAL BUILDING CODE (ASCE 7)	2021 IBC
SEISMIC	RISK CATEGORY	III
	IBC SEISMIC IMPORTANCE FACTOR	I_E = 1.25
	MAPPED SPECTRAL RESPONSE ACCELERATION:	
	MAPPED VALUE OF S_S (FOR ALL CALCULATIONS EXCEPT C_S)	S_S = 1.311 g
	VALUE OF S_S USED TO CALCULATE C_S (LIMIT S_S TO 1.5 PER ASCE7)	S_S = 1.311 g
	S_1	S_1 = 0.0474 g
	SOIL SITE CLASS	D (DEFAULT)
	SITE COEFFICIENT, F_a	F_a = 1.2
	SITE COEFFICIENT, F_v	F_v = 1.826
	DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS	S_{DS} = 1.049 g S_{D1} = 0.577 g
	SEISMIC DESIGN CATEGORY	D
	BASIC SEISMIC-FORCE RESISTING SYSTEM.	LIGHT FRAMED WALLS SHEATHED WITH WOOD PANELS
	RESPONSE MODIFICATION FACTOR	R = 6.5
	OVERSTRENGTH FACTOR	Ω_0 = 2.5
	ANALYSIS PROCEDURE USED.	ASCE 7 EQUIVALENT LATERAL FORCE PROCEDURE
	SEISMIC RESPONSE COEFFICIENT - ULTIMATE	C_S = 0.202 g
WIND	ASCE 7 DIRECTIONAL PROCEDURE, PART 1	
	WIND SPEED (3 SECOND GUST)	109 M.P.H.
	INTERNAL PRESSURE COEFFICIENT	±0.18
	EXPOSURE CATEGORY	C
ROOF	DEAD LOAD	20 P.S.F.
	SNOW IMPORTANCE FACTOR	I_S = 1.10
	GROUND SNOW LOAD, P_g	31 P.S.F.
	FLAT ROOF SNOW LOAD, P_f	21.5 P.S.F.
	SNOW EXPOSURE FACTOR, C_e	0.9
	THERMAL FACTOR, C_t	1.0
	SLOPE FACTOR, C_s	1.0
	ROOF SNOW LOAD - THIS LOAD REFLECTS ROOF SNOW LOAD MULTIPLIED BY THE SNOW IMPORTANCE FACTOR (VALUE SHOWN DOES NOT INCLUDE DRIFT LOAD)	21.5 P.S.F.
	BUILDING SITE ELEVATION	4,540 ft
	ROOF RAIN LOAD	1.61 in/hr
EQUIPMENT PLATFORM	DEAD LOAD	15 P.S.F.
	LIVE LOAD	40 P.S.F.
ROSTRUM	DEAD LOAD	15 P.S.F.
	LIVE LOAD	100 P.S.F.
PLATFORM	DEAD LOAD	15 P.S.F.
	LIVE LOAD	125 P.S.F.
SOIL BEARING	GSH GEOTECHNICAL REPORT NO. 0153-538-23 - DATE: AUGUST 2, 2024	2500 P.S.F.
WIND (STEEPLE)	ASCE 7 SECTION 29.4 - OTHER STRUCTURES	
	WIND SPEED	109 M.P.H.
	FORCE COEFFICIENT, Cf	1.37

SCHEDULE B

LEGEND

BOB	BOTTOM OF BEAM		INDICATES SIDE WHERE INTERIOR WOOD WALL SHEATHING IS TO BE INSTALLED
BLW ABV	INDICATES FLOOR OFFSET, SEE DETAILS		DETAIL NUMBER DETAIL SHEET
BM-x	INDICATES WOOD BEAM. SEE SCHEDULE		
CB-x	INDICATES CONCRETE BEAM TYPE, SEE SCHEDULE		INDICATES DEPRESSED SLAB, SEE ARCHITECTURAL PLANS.
CJ	INDICATES CONTROL JOINT	S — S	INDICATES FOOTING STEP
CW-x	INDICATES CONCRETE WALL, SEE SCHEDULE		INDICATES NON-STRUCTURAL WOOD STUD WALL
EOS	EDGE OF SLAB		INDICATES WOOD BEAM OR HEADER
EF	EACH FACE		
FC-x	INDICATES CONCRETE CONTINUOUS FOOTING TYPE, SEE SCHEDULE		INDICATES WOOD ROOF OR FLOOR SHEATHING, SEE PLAN AND SCHEDULE
FR-x	INDICATES CONCRETE RECTANGULAR FOOTING TYPE, SEE SCHEDULE		
FS-x	INDICATES CONCRETE SPOT FOOTING TYPE, SEE SCHEDULE		INDICATES STRUCTURAL WOOD SHEAR WALL
LSL LVL	LAMINATED STRAND LUMBER LAMINATED VENEER LUMBER		TYPE 1 BLOCKED DIAPHRAGM - SEE SCHEDULE ON S604
SCL	INDICATES STRUCTURAL COMPOSITE LUMBER SUCH AS LVL AND LSL	HD POST/ANCHOR	HD - SIMPSON HOLDOWN SIZE
SC-x	INDICATES STEEL COLUMN TYPE		POST - SIZE OF END POST CONNECTED TO HOLDOWN
TOF	TOP OF FOOTING		ANCHOR - ANCHOR SIZE
TOS	TOP OF SLAB		
TOW	TOP OF WALL		
TR-X	INDICATES WOOD TRUSS, SEE ELEVATIONS ON S20X		
WC-x	INDICATES WOOD COLUMN. SEE SCHEDULE		
WIJ-x	INDICATES WOOD I-JOIST. SEE SCHEDULE		
Wx-x	INDICATES WOOD WALL. SEE SCHEDULE		

SCHEDULE H

SCHEDULE OF CONSTRUCTION MATERIALS

CONCRETE	LOCATION	28 - DAY COMPRESSIVE STRENGTH
	EXTERIOR CONCRETE	4,500 P.S.I. MIX TYPE E
	FOOTINGS	3,000 P.S.I. MIX TYPE A
	FOUNDATION WALLS (EXPOSED TO FREEZING AND DE-ICERS)	4,500 P.S.I. MIX TYPE E
	FOUNDATION WALLS (NOT EXPOSED TO FREEZING AND DE-ICERS)	4,000 P.S.I. MIX TYPE D
	INTERIOR SLABS ON GRADE	3,500 P.S.I. MIX TYPE B
	NOTES: 1. CONCRETE STRENGTH USED IN DESIGN IS 2500 P.S.I.	2. SEE SPECIFICATIONS 03-3111 FOR DEFINITION OF MIX TYPE.

REINFORCING STEEL	FIELD BENT BARS	ALL OTHER BARS
	ASTM A615, GRADE 40 OR GRADE 60 (SEE LAP SPLICE SCHEDULE D/S602 FOR LAP LENGTHS)	ASTM A615, GRADE 60 (SEE LAP SPLICE SCHEDULE D/S602 FOR LAP LENGTHS)

WOOD[1,2,3,4]

DIMENSION LUMBER

APPLICATION	SPECIES GROUP AND MINIMUM GRADE (ANY SPECIES AND GRADE LISTED MAY BE USED FOR ANY OF THE DESCRIBED APPLICATIONS).		
TOP PLATES, STRUTS, ROOF JOISTS, FLOOR JOISTS, MISC. FRAMING, HEADERS, BEAMS, LEDGERS	DOUGLAS FIR-LARCH HEM FIR SOUTHERN PINE MSR	#2 OR BETTER #1 OR BETTER #2 OR BETTER 1650F - 1.5E OR BETTER	
BLOCKING	DOUGLAS FIR-LARCH HEM FIR SOUTHERN PINE MSR	#2 OR BETTER #2 OR BETTER #2 OR BETTER 1650F - 1.5E OR BETTER	
POSTS AND TIMBERS 5" x 5" AND LARGER	DOUGLAS FIR-LARCH SOUTHERN PINE	#1 OR BETTER #1 OR BETTER	
SILL PLATES	DOUGLAS FIR-LARCH HEM FIR SOUTHERN PINE SCL	2x4, 1 1/2"x3 1/2" SCL STANDARD OR BETTER STANDARD OR BETTER STANDARD OR BETTER 1.3E	2x6, 2x8, 2x10, 1 1/2"x9 1/2" SCL, 1 1/2"x11 7/8" SCL #2 OR BETTER #2 OR BETTER #2 OR BETTER 1.5E
TRUSSED RAFTERS (CHORDS AND WEBS)	SPRUCE PINE FIR DOUGLAS FIR-LARCH HEM FIR SOUTHERN PINE MSR	#2 OR BETTER #2 OR BETTER #1 OR BETTER #2 OR BETTER 165F - 1.5E OR BETTER	
EXTERIOR WALL STUDS AND INTERIOR STRUCTURAL WALL STUDS	DOUGLAS FIR-LARCH HEM FIR SOUTHERN PINE SCL	2x4 #2 OR BETTER #1 OR BETTER #2 OR BETTER	2x6 #2 OR BETTER #1 OR BETTER #2 OR BETTER
INTERIOR NON-STRUCTURAL WALL STUDS	DOUGLAS FIR-LARCH HEM FIR SOUTHERN PINE	2x4 STANDARD, UTILITY, CONSTRUCTION, OR BETTER STANDARD, UTILITY, CONSTRUCTION, OR BETTER STANDARD, UTILITY, CONSTRUCTION, OR BETTER	2x6 #2 OR BETTER #2 OR BETTER #2 OR BETTER

STRUCTURAL COMPOSITE LUMBER (SCL) SUCH AS LVL AND LSL

	MINIMUM PROPERTY VALUES[1] - P.S.I.				
	Fb	Fv	Fc⊥	Fc||	E x 10^6
1-1/2" x = 5-1/2" (SEE NOTE 4 AND 5)	1,700	220	575	1,400	1.3
1-1/2" x ALL OTHER DEPTHS (SEE NOTE 4 AND 5)	2,250	220	575	1,950	1.5
1-3/4" x ALL DEPTHS	2,600	285	750	2,350	1.9
3-1/2" x ALL DEPTHS	1,700	285	680	1,400	1.3

GLU-LAM COLUMNS

	MINIMUM PROPERTY VALUES[1] - P.S.I.				
	Fb	Fv	Fc⊥	Fc||	E x 10^6
5 1/8" x ALL DEPTHS	2,400	265	650	1,800	2.0

GLUED LAMINATED BEAMS

	MINIMUM PROPERTY VALUES[1] - P.S.I.				
	Fb TENSION ZONE	Fb COMPRESSION ZONE STRESSED IN TENSION	Fv	Fc	E x 10^6
24F-V4 DF/DF OR 24F-E4 SP/SP WITH STRESS CLASS 24F-1.8E EXCEPT AT BM, USE 24F-V8	2400	2400	265	1600	1.8

NOTES:
1. DESIGN VALUES ARE FOR NORMAL DURATION. REPETITIVE FRAMING FACTORS AND SIZE FACTORS HAVE NOT BEEN APPLIED.
2. 1 3/4" MEMBERS MAY BE USED TO REPLACE 1 1/2" SCL MEMBERS. ADJUST DIMENSIONS IN PLANS AND DETAILS ACCORDINGLY.
3. LIMIT THE MODULUS OF ELASTICITY OF 1 1/2" LSL MEMBERS TO 1.55x10^6 psi.
4. LSL WOOD IS HARDER AND DENSER THAN LVL WOOD. FRAMER MUST HAVE EQUIPMENT THAT WILL DRIVE NAILS COMPLETELY INTO WOOD.

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SCHEDULES

S601

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SCHEDULE A

CONCRETE FOOTING SCHEDULE

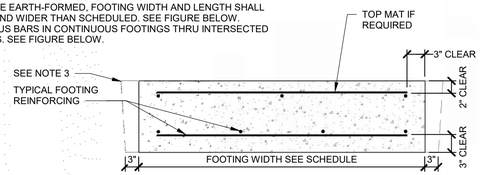
MARK*	WIDTH	LENGTH	DEPTH	REINFORCING CROSSWISE				REINFORCING LENGTHWISE				REMARKS
				NO.	SIZE	LENGTH	SPACING	NO.	SIZE	LENGTH	SPACING	
FC1.5	1'-6"	CONT.	1'-0"	-	-	-	-	2	#4	CONT.	12"o.c.	
FC2.0	2'-0"	CONT.	1'-0"	-	-	-	-	3	#4	CONT.	EQUAL	
FC4.0	4'-0"	CONT.	1'-0"	-	-	-	-	5	#4	CONT.	EQUAL	
FS2.5	2'-6"	2'-6"	1'-0"	3	#5	2'-0"	EQUAL	3	#5	2'-0"	EQUAL	
FS4.0	4'-0"	4'-0"	1'-0"	5	#5	3'-6"	EQUAL	5	#5	3'-6"	EQUAL	
FS6.5	6'-6"	6'-6"	2'-0"	7	#5	6'-0"	EQUAL	7	#5	6'-0"	EQUAL	REINFORCE TOP AND BOTTOM
FS8X4	8'-0"	4'-0"	1'-6"	9	#6	3'-6"	EQUAL	5	#6	7'-6"	EQUAL	REINFORCE TOP AND BOTTOM

NOTES:

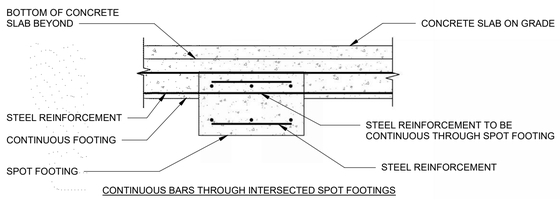
1. PLACE REINFORCING IN THE BOTTOM OF THE FOOTING WITH 3" CLEAR CONCRETE COVER (UNLESS NOTED OTHERWISE). USE ADOBE BLOCKS.
2. TOP REINFORCING, WHERE SPECIFIED, SHALL BE PLACED IN THE TOP OF THE FOOTING WITH 2" MINIMUM CONCRETE COVER.
3. IF FOOTINGS ARE EARTH-FORMED, FOOTING WIDTH AND LENGTH SHALL BE 6" LONGER AND WIDER THAN SCHEDULED. SEE FIGURE BELOW.
4. RUN CONTINUOUS BARS IN CONTINUOUS FOOTINGS THRU INTERSECTED SPOT FOOTINGS. SEE FIGURE BELOW.

*FOOTING TYPES

FC = CONTINUOUS FOOTING
FS = SPOT FOOTING



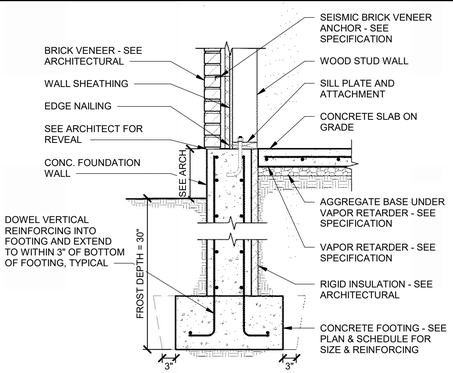
TYPICAL FOOTING SECTION



CONTINUOUS BARS THROUGH INTERSECTED SPOT FOOTINGS

SCHEDULE B

CONCRETE FOUNDATION WALL SCHEDULE



NOTES:

1. IF FOOTINGS ARE EARTH-FORMED, FOOTING WIDTH AND LENGTH SHALL BE 6" LONGER AND WIDER THAN SCHEDULED. SEE FIGURE ABOVE.

MARK	WIDTH	HORIZONTAL REINF.			VERTICAL REINF.	
		TOP	INTERMEDIATE	BOTTOM	SIZE	SPACING
CW-8	8"	(2) #4	#4 AT 16"o.c.	(2) #4	#4	16"o.c.
CW-12	12"	(2) #4	(2) #4 AT 18"o.c.	(2) #4	#4	16"o.c. EF
CW-14	14"	(2) #4	(2) #4 AT 16"o.c.	(2) #4	#4	16"o.c. EF
CW-18	18"	(2) #4	(2) #4 AT 12"o.c.	(2) #4	#4	12"o.c. EF

SCHEDULE C

SPECIAL INSPECTION SCHEDULE [1, 2]

ESTABLISHED PER 2018 IBC SECTION 110 AND CHAPTER 17

ITEM	CONTINUOUS[3]	PERIODIC[3]	REFERENCE	COMMENTS
CONCRETE CONSTRUCTION (IBC 1705.3)			SEE IBC TABLE 1705.3 - REF. NOTE C1	C1. SPECIAL INSPECTION IS NOT REQUIRED FOR CONCRETE ISOLATED SPREAD FOOTINGS, CONTINUOUS FOOTINGS, NON-STRUCTURAL SLABS, FOUNDATION WALLS, PATIOS, DRIVEWAYS, AND SIDEWALKS BECAUSE THE REQUIREMENTS OF IBC 1705.3 ARE MET. C2. PERFORM AIR, SLUMP AND TEMPERATURE TESTS WHEN CONCRETE SAMPLES ARE CAST. C3. EPOXY AND EXPANSION ANCHORS INTO CONCRETE MAY BE USED ONLY WHEN APPROVED BY ARCHITECT. AND/OR ENGINEER USING AN APPROVED PRODUCT WITH CURRENT PUBLISHED ICC RESEARCH REPORT NUMBERS. COORDINATE CONTINUOUS/PERIODIC SPECIAL INSPECTION REQUIREMENTS WITH ICC REPORT. C4. REFER TO DIVISION 03 OF THE SPECIFICATION FOR ADDITIONAL AND SPECIFIC TESTING AND INSPECTION REQUIREMENTS.
REINFORCING STEEL PLACEMENT		●		
EMBEDDED BOLTS & PLATES	●			
VERIFYING REQUIRED DESIGN MIX		●		
CONCRETE PLACEMENT / SAMPLING	●		REFERENCE NOTE C2	
CURING TEMPERATURE / TECHNIQUES		●		
EPOXY / EXPANSION ANCHOR PLACEMENT	●	●	REFERENCE NOTE C3	
MASONRY CONSTRUCTION (IBC 1705.4)			SEE TMS 402/ACI 550 TABLE 1.19.2 (NON-ESSENTIAL)	M1. INSPECTION NOT REQUIRED FOR MECHANICAL SCREEN WALLS. M2. REFER TO DIVISION 04 FOR ADDTIONAL AND SPECIFIC INSPECTION AND TESTING REQUIREMENTS.
WOOD (IBC 1705.5, 1705.11.1 AND 17.05.12.1)				W.1. SPECIAL INSPECTION IS NOT REQUIRED FOR WOOD SHEAR WALLS, WOOD DIAPHRAGMS, INCLUDING NAILING, & BOLTING, AND OTHER FASTENING TO OTHER COMPONENTS WHERE THE SPACING OF THE SHEATHING FASTENERS IS GREATER THAN 4"o.c. WHERE NAIL SPACING IS 4" o.c. OR CLOSER, VERIFY THE NOMINAL SIZE OF FRAMING MEMBERS AT ADJOINING PANEL EDGES, THE NAIL OR STAPLE DIAMETER AND LENGTH, NUMBER OF FASTENER LINES, AND SPACING BETWEEN FASTENERS IN EACH LINE AND AT EDGE MARGINS. ADDITIONALLY, VERIFY SILL PLATE AND ANCHOR BOLTS DIAMETER, SPACING, PLATE WASHER SIZE AND LOCATION. SIMILAR INFORMATION IS TO BE GATHERED FOR OTHER FASTENING COMPONENTS.
SHEAR WALL & DIAPHRAGM NAILING		●	REFERENCE NOTE W1	
DRAG STRUTS		●		
HOLDOWNS		●		
SOILS (IBC 1705.5)			REFERENCE NOTE F1	F1. SPECIAL INSPECTION OF SOILS SHALL REFERENCE THE APPROVED SOILS REPORT TO DETERMINE COMPLIANCE. F2. WHERE SOILS REPORT IS NOT PROVIDED SPECIAL INSPECTIONS ARE REQUIRED TO VERIFY THAT THE IN-PLACE DRY DENSITY OF THE COMPACTED FILL IS NOT LESS THAN 95 PERCENT OF THE MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT DETERMINED IN ACCORDANCE WITH ASTM D 1557. F3. REFER TO DIVISION 31 OF SPECIFICATIONS FOR ADDITIONAL AND SPECIFIC TESTING AND INSPECTION REQUIREMENTS. REFER TO DIVISION 6 OF THE SPECIFICATIONS FOR ADDITIONAL AND SPECIFIC TESTING AND INSPECTION REQUIREMENTS.
VERIFY ADEQUATE MATERIALS BELOW FOOTINGS		●	REFERENCE NOTE F1	
EXCAVATIONS EXTEND TO PROPER DEPTH AND REACH PROPER MATERIAL		●	REFERENCE NOTE F2	
CLASSIFY & TEST CONTROLLED FILL MATERIALS		●	REFERENCE NOTE F2	
PERFORM MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	●		REFERENCE NOTE F1	
PROPERLY PREPARED SITE AND SUB-GRADE PRIOR TO FILL.		●	REFERENCE NOTE F1	
FABRICATORS (IBC 1704.2.5)				
	●			IF FABRICATOR IS APPROVED, ON-SITE INSPECTION IS NOT REQUIRED BUT A CERTIFICATE OF COMPLETION MUST BE PROVIDED TO THE BUILDING OFFICIAL (IBC 1704.2.5)
PREFABRICATED METAL PLATE WOOD TRUSSES:				
THE INSPECTOR SHALL VERIFY THAT THE FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS OF INSPECTION CONTROL OF THE WORKMANSHIP AND THE FABRICATOR'S ABILITY TO CONFORM TO APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS.		●		
REFER TO SPECIFICATIONS FOR REQUIRED "TRUSS PLANT CERTIFICATION FORM" AND FOR INSPECTION OF PREFABRICATED WOOD TRUSSES LONGER THAN 60'-0" LONG		●		

GENERAL SPECIAL INSPECTION NOTES :

1. THE ITEMS MARKED WITH A "●" IN THE SPECIAL INSPECTION SCHEDULE SHALL BE INSPECTED IN ACCORDANCE WITH IBC CHAPTER 17 BY A CERTIFIED SPECIAL INSPECTOR FROM AN ESTABLISHED TESTING AGENCY. FOR MATERIAL SAMPLING AND TESTING REQUIREMENTS, REFER TO THE MATERIAL SAMPLING AND TESTING SECTION. AND THE PROJECT SPECIFICATIONS. THE TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS DIRECTLY TO THE ARCHITECT, ENGINEER, CONTRACTOR, AND BUILDING OFFICIAL. ANY ITEMS WHICH FAIL TO COMPLY WITH THE APPROVED CONSTRUCTION DOCUMENTS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF DISCREPANCIES ARE NOT CORRECTED, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL, ARCHITECT, AND ENGINEER PRIOR TO COMPLETION OF THAT PHASE OF WORK. SPECIAL INSPECTION TESTING REQUIREMENTS APPLY EQUALLY TO ALL BIDDER DESIGNED COMPONENTS.
2. ANY CONSTRUCTION OR MATERIAL THAT HAS FAILED INSPECTION SHALL BE SUBJECT TO REMOVAL AND REPLACEMENT.
3. CONTINUOUS SPECIAL INSPECTION MEANS THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED. PERIODIC SPECIAL INSPECTION MEANS THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK. (IBC SECTION 202)

STATEMENT OF SPECIAL INSPECTION

1. SPECIAL INSPECTIONS AND STRUCTURAL TESTING SHALL BE PROVIDED BY AN INDEPENDENT AGENCY EMPLOYED BY THE OWNER FOR THE ITEMS IDENTIFIED IN THIS SECTION AND IN OTHER AREAS OF THE APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS, UNLESS WAIVED BY THE BUILDING OFFICIAL (SEE IBC CHAPTER 17).
2. THE NAMES AND CREDENTIALS OF THE SPECIAL INSPECTORS TO BE USED SHALL BE SUBMITTED TO THE BUILDING OFFICIAL FOR APPROVAL.
3. DUTIES OF THE SPECIAL INSPECTOR:
   a. THE SPECIAL INSPECTOR SHALL REVIEW ALL WORK LISTED ABOVE FOR CONFORMANCE WITH THE APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS AND THE IBC.
   b. THE SPECIAL INSPECTOR SHALL FURNISH SPECIAL INSPECTION REPORTS TO THE ENGINEER OF RECORD, CONTRACTOR, OWNER AND BUILDING OFFICIAL ON A WEEKLY BASIS, OR MORE FREQUENTLY AS REQUIRED BY THE BUILDING OFFICIAL. ALL ITEMS NOT IN COMPLIANCE SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, AND IF UNCORRECTED, TO THE ENGINEER OF RECORD AND THE BUILDING OFFICIAL.
   c. ONCE CORRECTIONS HAVE BEEN MADE BY THE CONTRACTOR, THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT TO THE BUILDING OFFICIAL STATING THAT THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE SPECIAL INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS AS WELL AS THE APPLICABLE WORKMANSHIP PROVISIONS OF THE IBC.
4. DUTIES AND RESPONSIBILITIES OF THE CONTRACTOR:
   a. THE CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBLITY TO THE OWNER AND THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF WORK. IN ACCORDANCE WITH IBC 1704.4, THE STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGEMENT OF THE SPECIAL INSPECTION REQUIREMENTS CONTAINED WITHIN THE "STATEMENT OF SPECIAL INSPECTIONS".
   b. THE CONTRACTOR SHALL NOTIFY THE RESPONSIBLE SPECIAL INSPECTOR THAT WORK IS READY FOR INSPECTION AT LEAST ONE WORKING DAY (24 HOURS MINIMUM) BEFORE SUCH INSPECTION IS REQUIRED.
   c. ALL WORK REQUIRENG SPECIAL INSPECTION SHALL REMAIN ACCESSIBLE AND EXPOSED UNITL IT HAS BEEN OBSERVED BY THE SPECIAL INSPECTOR.
5. PLEASE SEE THE "SPECIAL INSPECTION SCHEDULE" FOR THE TYPES, EXTENTS AND FREQUENCY OF SPECIFIC ITEMS REQUIRING SPECIAL INSPECTIONS AND STRUCTURAL TESTS AS PART OF THIS PROJECT.

SCHEDULE D

LAP SPLICE SCHEDULE

BAR SIZE	BAR OVERLAP	BAR SIZE	BAR OVERLAP	BAR SIZE	BAR OVERLAP
#3	18"	#4	24"	#5	30"
#6	36"	#7	42"	#8	48"

SCHEDULE E

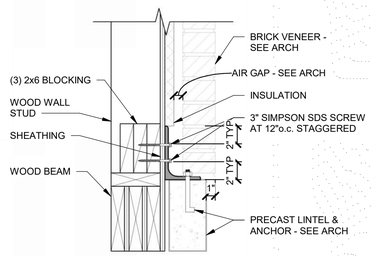
CONCRETE PROTECTION FOR REINFORCEMENT

CONCRETE PLACED AGAINST AND PERMANENTLY EXPOSED TO EARTH	ALL APPLICATIONS EXCEPT SLABS ON GRADE	3"
	SLABS ON GRADE - CLEAR DISTANCE FROM TOP OF SLAB	1"
CONCRETE EXPOSED TO EARTH OR WEATHER	#6 BARS AND LARGER	2"
	#5 BARS AND SMALLER	1 1/2"
NOTES	TOLERANCE FOR CONCRETE COVER AND REINFORCEMENT LOCATION IS ±3/8"	

SCHEDULE F

STEEL ANGLE LINTEL SCHEDULE FOR VENEER

CLEAR OPENING	SIZE OF ANGLE
UP TO 7'-0"	4" x 4" x 3/8"
7'-1" TO 9'-0"	6" x 4" x 5/16"
9'-1" TO 10'-0"	6" x 4" x 5/16"
10'-1" TO 11'-0"	6 x 4" x 3/8"
11'-1" TO 12'-0"	6" x 4" x 7/16"
12'-1" TO 13'-0"	8" x 4" x 7/16"
13'-1" AND OVER	REQUIRES SPECIAL ANALYSIS, CONTACT ENGINEER



NOTES:

1. LINTELS CARRY BRICK VENEER OR STONE ONLY.
2. WHERE FLOORS, ROOFS, OR CONCENTRATED LOADS OCCUR ABOVE, FURTHER ANALYSIS IS NECESSARY. CONTACT ARCHITECT AND ENGINEER.
3. ANGLES ARE TO BE HOT DIPPED GALVANIZED AND "PAINTED".
4. ANGLE ARE TO BE ORIENTED WITH 4" LEG HORIZONTAL.
5. ANCHOR ANGLES TO BEAMS, HEADERS, TOP-PLATES, ETCETERA WITH (2) 3" SDS SCREW AT 12"o.c., STAGGERED.
6. AT LOCATIONS WHERE ANGLE IS USED FOR BRICK VENEER OR STONE AT STUD WALL, USE 3x12 BLOCKING BEHIND ANGLE LOCATION.
7. AT LOCATIONS WHERE ANGLE EXTENDS BEYOND OPENING AND BEARS ON BRICK PROVIDE 1" OF BEARING EACH END FOR EACH FOOT OF SPAN. MINIMUM BEARING OF 6" EACH SIDE OF OPENING.

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Matthew C. McBride No. 353893 8/14/24 STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

Owner #: 502.2004
Plan Series: G300-MH-11
County Parcel: 39-228:0001
BHD #: 2346
Date: 15 Aug 2024

Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

SCHEDULES

S602

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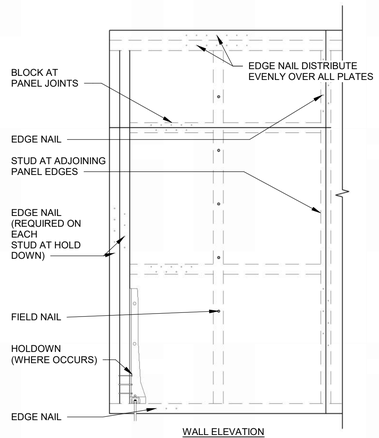
SCHEDULE A

STRUCTURAL WOOD WALL SCHEDULE

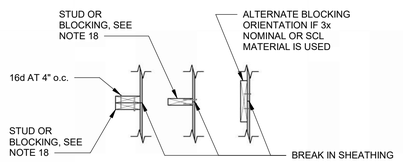
MARK	NOMINAL STUD SIZE[11,13]	STUD SPACING	SILL PLATE[4,5]	TOP PLATES[19]	WOOD SHEATHING THICKNESS[12,14,15,16,17,18]	COMMENT	EDGE NAILING[5,6,7,8]	SILL PLATE ATTACHMENT[1,2]
W4-A	2x4	16"	2x4	(2) 2x4	---		---	POWDER ACTUATED FASTENER AT 24" ON CENTER[3]
W6-A	2x6	16"	2x6	(2) 2x6	---		---	POWDER ACTUATED FASTENER AT 24" ON CENTER
W6-B[9,11]	2x6	16"	2x6[11]	(3) 2x6	15/32"		4"	5/8" DIAMETER x 8" EMBEDMENT ANCHOR AT 32" ON CENTER
W6-C[9,11]	2x6	16"	2x6	(3) 2x6	15/32"		3"	5/8" DIAMETER x 8" EMBEDMENT ANCHOR AT 32" ON CENTER
W6-D	1 3/4" x 5 1/2" LVL	16"	1 1/2"x5 1/2" SCL	(2) 1 1/2"x5 1/2" SCL	---		---	5/8" DIAMETER x 8" EMBEDMENT ANCHOR AT 32" ON CENTER
W6-E	1 3/4" x 5 1/2" LVL	16"	1 1/2"x5 1/2" SCL	(2) 1 1/2"x5 1/2" SCL	15/32"		4 1/2"	5/8" DIAMETER x 8" EMBEDMENT ANCHOR AT 32" ON CENTER
W8-A	1 3/4" x 7 1/4" LVL	16"	1 1/2"x7 1/4" SCL	(2) 1 1/2"x7 1/4" SCL	15/32"		4 1/2"	5/8" DIAMETER x 8" EMBEDMENT ANCHOR AT 32" ON CENTER
W10-A	1 1/2" x 9 1/2" SCL	16"	1 1/2"x9 1/2" SCL	(2) 1 1/2"x9 1/2" SCL	15/32"		2"	5/8" DIAMETER x 8" EMBEDMENT ANCHOR AT 16" ON CENTER
W10-B	1 3/4" x 9 1/2" LVL	16"	1 1/2"x9 1/2" SCL	(2) 1 1/2"x9 1/2" SCL	15/32"		4 1/2"	5/8" DIAMETER x 8" EMBEDMENT ANCHOR AT 32" ON CENTER
W10-C[9,11]	1 3/4" x 9 1/2" LVL	16"	3"x9 1/2" SCL[11]	(2) 1 1/2"x9 1/2" SCL	(2) 19/32"		3"	5/8" DIAMETER x 8" EMBEDMENT ANCHOR AT 16" ON CENTER
W10-D[9,11]	1 3/4" x 9 1/2" LVL	16"	3"x9 1/2" SCL[11]	(2) 1 1/2"x9 1/2" SCL	(2) 15/32"		3"	5/8" DIAMETER x 8" EMBEDMENT ANCHOR AT 16" ON CENTER
W12-A	1 3/4" x 11 7/8" LVL	12"	1 1/2"x11 7/8" SCL	(2) 1 1/2"x11 7/8" SCL	15/32"		4 1/2"	5/8" DIAMETER x 8" EMBEDMENT ANCHOR AT 24" ON CENTER
W12-B	(2) 1 3/4" x 11 7/8" LVL[21]	16"	1 1/2"x11 7/8" SCL	(2) 1 1/2"x11 7/8" SCL	15/32"		4 1/2"	5/8" DIAMETER x 8" EMBEDMENT ANCHOR AT 32" ON CENTER
W12-C	1 3/4" x 11 7/8" LVL	16"	1 1/2"x11 7/8" SCL	(2) 1 1/2"x11 7/8" SCL	---		---	POWDER ACTUATED FASTENER AT 24" ON CENTER[3]

NOTES:
1. ALL ANCHOR BOLTS AT SILL PLATE ATTACHMENT SHALL HAVE A 1/4" x 3" x 3" MINIMUM WASHER BETWEEN THE SILL PLATE AND THE ANCHOR NUT. SEE ANCHOR BOLT PLATE WASHER DETAIL ON THIS SCHEDULE.
2. 5/8" DIAMETER SILL PLATE ANCHOR BOLTS MAY BE REPLACED WITH POST-INSTALLED ADHESIVE ANCHORS, POST-INSTALLED DRILLED-IN MECHANICAL ANCHORS (EXPANSION BOLTS) OR POST-INSTALLED SCREW ANCHORS. REFER TO SPECIFICATION SECTION 03 1511 FOR ACCEPTABLE PRODUCTS. POST-INSTALLED ANCHORS SHALL BE INSTALLED AS DEEP AS HAD BEEN REQUIRED FOR CAST-IN-PLACE SILL PLATE ANCHOR BOLTS. POWDER ACTUATED FASTENERS ARE NOT ALLOWED FOR SHEAR WALL SILL PLATE ATTACHMENT.
3. POWDER ACTUATED FASTENERS TO BE HILTI X-U P8' WITH MINIMUM EMBEDMENT OF 1 1/4" OR EQUIVALENT.
4. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.
5. FASTENERS FOR PRESERVATIVE AND TREATED WOOD SHALL BE HOT DIPPED ZINC COATED GALVANIZED STEEL, STAINLESS STEEL, SILICONE BRONZE, OR COPPER, UNLESS WOOD IS BORATE TREATED.
   a. EXCEPTION: PLAIN CARBON STEEL FASTENERS, INCLUDING NUTS AND WASHERS, IN SBX/DOT AND ZINC BORATE PRESERVATIVE-TREATED WOOD IN ANY INTERIOR, DRY ENVIRONMENT IS PERMITTED.
6. ALL NAILS TO BE HEAD MARKED FOR EASY IDENTIFICATION AFTER INSTALLATION.
7. ALL NAILS ATTACHING WOOD SHEATHING TO WALLS TO BE 10d (3" X 0.148" DIAMETER).
8. FIELD NAIL SPACING TO BE 6" ON CENTER.
9. SPECIAL INSPECTION IS REQUIRED.
10. NOT USED
11. WHERE NAIL SPACING IS 4" OR LESS, MEMBERS AT ADJOINING PANEL EDGES SHALL NOT BE LESS THAN 3" NOMINAL. JOINT AND SILL NAILING SHALL BE STAGGERED.
    a. AS AN ALTERNATE TO USING A 3x NOMINAL STUD OR SILL PLATE, USE (2) 2x MEMBERS SPIKED TOGETHER WITH 16d NAILS AT 3" ON CENTER, STAGGERED.
       1. AT WALLS REQUIRING 3x SILL PLATES, IT IS PERMISSIBLE TO USE A TREATED 2x MEMBER IN CONTACT WITH THE CONCRETE AND AN UNTREATED 2x MEMBER ON TOP.
    b. WHERE WOOD SHEATHING IS APPLIED ON BOTH FACES OF A WALL AND NAIL SPACING IS LESS THAN 6" ON CENTER ON EITHER SIDE, WOOD SHEATHING JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT STUDS. ALTERNATIVELY, THE WIDTH OF THE NAILED FACE OF STUDS SHALL BE 3" NOMINAL OR GREATER AT ADJOINING WOOD SHEATHING EDGES AND NAILS AT ALL WOOD SHEATHING EDGES SHALL BE STAGGERED.
12. AT EXTERIOR WALLS, COORDINATE WITH ARCHITECTURAL DETAILS WHERE SHEATHING IS REQUIRED TO EXTEND HIGHER THAN TOP PLATES FOR OTHER EXTERIOR FINISHES.
13. FOR LUMBER WALLS TALLER THAN 15'-0", CHANGE LUMBER MATERIAL TO SCL MATERIAL IF NOT ALREADY SCHEDULED AS SUCH.
14. WALL SHEATHING MAY BE INSTALLED WITH THE LONG DIRECTION HORIZONTAL OR VERTICAL.
15. SHEATHING MAY BE INSTALLED IN STACKED INSTEAD OF RUNNING PATTERN AT CONTRACTOR'S OPTION.
16. ALL SHEATHING SHALL HAVE A SPAN RATING OF 24/16 OR BETTER UNLESS OTHERWISE NOTED.
17. ALL WALL SHEATHING SHALL COMPLY WITH PS1-95 OR PS2-92
18. SOLID BLOCK ALL WOOD WALL SHEATHING PANEL JOINTS, SEE BLOCKING DETAIL THIS SCHEDULE.
19. SEE S5521 FOR TOP PLATE SPLICE DETAIL.
20. FOR INTERIOR WALLS LOCATE ANCHOR BOLTS IN CENTER OF WALL. AT EXTERIOR WALLS LOCATE ANCHOR BOLTS FOLLOWING THE PROVIDED SCHEDULE BELOW. AT DOUBLE SIDED WALL, REFER TO ANCHOR BOLT PLATE WASHER DETAIL FOR MORE INFORMATION.
21. ATTACH TWO WALL STUDS TOGETHER AS SHOWN BELOW IN BLOCKING DETAIL.

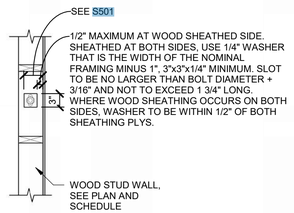
NOMINAL STUD WALL	DISTANCE FROM INSIDE FACE OF FOUNDATION WALL TO CENTER OF BOLT
2x6	3"
2x8	4"
2x10	6 1/2"
2x12	9"



WALL ELEVATION



BLOCKING DETAIL



ANCHOR BOLT PLATE WASHER DETAIL

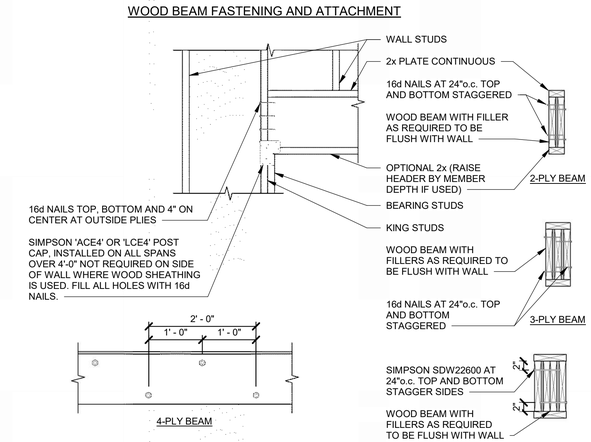
SCHEDULE B

WOOD BEAM SCHEDULE

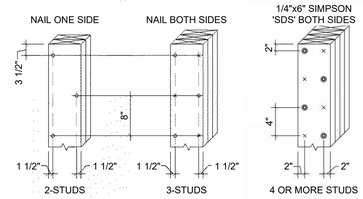
MARK	SIZE[2,3]	MATERIAL	JAMB[1,4,7]		COMMENTS
			BEARING STUDS[5]	KING STUDS[6]	
BM-1	(3) 2x6	DF-L #2	(1)	(1)	TYPICAL EXTERIOR WINDOW AND DOOR HEADER
BM-1A	(7) 2x6	DF-L #2	(1)	(1)	EXTERIOR HEADER AT 12" WALL
BM-2	(2) 2x6	DF-L #2	(1)	(1)	TYPICAL INTERIOR DOOR HEADER
BM-3	(3) 1 3/4" x 9 1/2"	SCL	(2)	(2)	INTERIOR DOOR HEADER
BM-4	(3) 2x8	DF-L #2	(2)	(1)	INTERIOR DOOR HEADER
BM-5	(5) 1 3/4" x 9 1/4"	SCL	(2)	(2)	CHAPEL WINDOW HEADER
BM-6	(2) 1 3/4" x 9 1/4"	SCL	(2)	(2)	INTERIOR DOOR HEADER
BM-7	(3) 1 3/4" x 11 7/8"	SCL	(2)	(1)	BEAM SPANNING FOYER
BM-8	5 1/8" x 19 1/2"	24F-V4	(2)	(4)	PARTITION DOOR SUPPORT ABOVE PLATFORM
BM-10					NOT USED
BM-11	(4) 1 3/4" x 9 1/2"	SCL	(4)	(--)	ROOM 132, 133, 134 PARTITION DOOR BEAM
BM-12	(3) 1 3/4" x 11 7/8"	SCL	(2)	(2)	ROOF TRUSS SUPPORT
BM-13	(3) 1 3/4" x 14"	SCL	(2)	(3)	EXTERIOR MAIN SIDE ENTRY BEAM
BM-14	(3) 1 3/4" x 9 1/2"	SCL	(2)	(3)	HIGH BEAM AT STORE FRONT AT MAIN SIDE ENTRY
BM-15	(6) 2x8	DF-L #2	(2)	(2)	INSIDE STOREFRONT AT MAIN SIDE ENTRY
BM-16	(4) 2x8	DF-L #2	(2)	(3)	LOW BEAM AT STORE FRONT AT MAIN SIDE ENTRY
BM-17	(3) 1 3/4" x 11 7/8"	SCL	(2)	(3)	BACK OVERBUILD WALL POP-OUT
BM-18	(3) 2x10	DF-L #2	(2)	(3)	BACK ENTRY ABOVE STOREFRONT
BM-19	(2) 2x8	DF-L #2	(1)	(1)	INTERIOR BACK ENTRY ABOVE STOREFRONT
BM-20	(2) 1 3/4" x 11 7/8"	SCL	(2)	(1)	ROOF BEAM AT BACK SUPPORT
BM-21					NOT USED
BM-22	(2) 1 3/4" x 20"	SCL	--	--	SMALL SIDE OVERBUILD TRUSS SUPPORT
BM-23	(2) 2x8	DF-L #2	(1)	(1)	FOYER LIGHT COVE
BM-24	(4) 1 3/4"x14"	SCL	--	--	STEEPLE BEAM - SEE S401

NOTES:
1. SEE STRUCTURAL WOOD WALL SCHEDULE FOR JAMB MATERIAL AND NOMINAL SIZE.
2. USE FILLERS AS NEEDED TO HAVE ALL BEAMS OR HEADERS MATCH WIDTH OF WALL IN WHICH BEAM IS LOCATED.
3. BEAMS OF MULTIPLE MEMBERS MAY BE REPLACED WITH A SINGLE MEMBER OF EQUIVALENT SIZE AND MATERIAL PROPERTIES.
4. SEE NAILING PATTERN SHOWN IN WOOD JAMB FASTENING FOR MULTIPLE-PLY BEARING AND KING STUDS.
5. USE 16d NAILS TO BUILD UP 2 OR 3 STUD COLUMNS.
   - ADJACENT NAILS ARE TO BE DRIVEN FROM OPPOSING SIDES OF COLUMN.
   - 3 1/2" WIDE COLUMNS REQUIRE ONE ROW OF STAGGERED NAILS. ALL OTHER COLUMNS REQUIRE TWO ROWS OF NAILS
6. KING STUDS EXTEND FROM TOP OF SILL PLATE TO BOTTOM OF TOP WALL PLATES.
7. BEARING STUDS EXTEND FROM TOP OF SILL PLATE TO BOTTOM OF BEAM OR HEADER.

WOOD BEAM FASTENING AND ATTACHMENT



WOOD JAMB FASTENING



LEGEND
° NAIL OR SCREW FROM THIS SIDE
` NAIL OR SCREW FROM OPPOSITE SIDE

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STATE OF UTAH — PROFESSIONAL ENGINEER — Matthew C. McBride No. 353893 — 8/14/24

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake
Approx. 542 South Geneva Road
Vineyard, Utah 84059

BHD #: 2346
County Parcel: 39-228:0001
Date: 15 Aug 2024
Plan Series: C300-MH-11
Owner #: 502-2004

Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

SCHEDULES

S603

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SCHEDULE F

TYPICAL BLOCKING SCHEDULE

DOOR STOPS	STAIR BLOCKING
VISUAL DISPLAYS	DECORATIVE METAL BETWEEN WINDOWS
MARKER BOARDS	DRINKING FOUNTAINS
TACK BOARDS	WALL HUNG SINKS
BABY CHANGING STATIONS	ROSTRUM
EXIT SIGNS	DECORATION HOOKS
CHAIR RAIL	JANITOR SHELVING
COAT RACKS	RA VENTS AT ENTRIES
CABINETS	COLUMNS AT ENTRIES
SOUND PANELS	CAN LIGHTS AT ENTRIES
TOILET PARTITIONS	HYMN BOOK SHELVES
HANDICAP BARS	DIMMER SWITCHES IN GYM
BATHROOM ACCESSORIES	CURTAIN AT STAGE
TOWEL DISPENSORS	CURTAINS IN OFFICES
TOILET PAPER HOLDERS	JANITOR TAP AND HOSE HARDWARE
NAPKIN HOLDERS	FONT MIRRORS
SHELVES	FONT HANDRAILS
MIRRORS	FONT BENCHES
COUNTERS	CLOTHING HOOKS
COUNTER BRACKETS	FONT GLASS SCREEN
ACCESS PANELS	CHAIR STORAGE SHELVING
HANDRAILS	INTERIOR SOFFIT FOR SIX PIECE CORNICE
FIRE CABINETS	WATER HEATERSEISMIC STRAPS (2) UNISTRUT. RUNNING PARALLEL TO FRAMING
WALL MOUNTED HANDRAILS	

SCHEDULE D

FRAMING NAILING REQUIREMENTS SCHEDULE

(REFER TO 2021 IBC TABLE 2304.10.2)

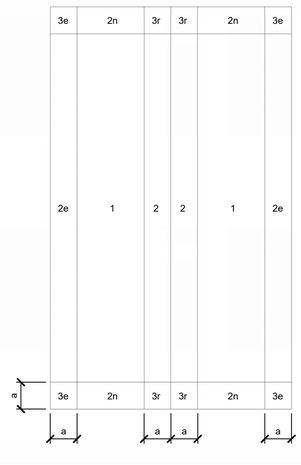
CONNECTION AND LOCATION	NAILING	CONNECTION AND LOCATION	NAILING
JOIST TO SILL OR GIRDER (TOENAIL)	3- 8d COMMON (2 1/12" x 0.131") 3- 3" x 0.131" NAILS	DOUBLE STUDS (FACE NAIL)	16d (3 1/2"x0.135") AT 24"o.c. 3"x0.131" NAILS AT 8"o.c.
BRIDGING TO JOIST (TOENAIL EACH END)	2- 8d COMMON (2 1/2" x 0.131") 2- 3" x 0.131" NAILS	DOUBLE TOP PLATES (TYPICAL FACE NAIL)	16d (3 1/2"x0.135") AT 16"o.c. 3"x0.131" NAILS AT 12"o.c.
1"x6" SUBFLOOR OR LESS TO EACH JOIST (FACE NAIL)	2- 8d COMMON (2 1/2" x 0.131")	DOUBLE TOP PLATES (LAP SPLICE)	8- 16d COMMON (3 1/2"x0.162") 12- 3"x0.131" NAILS
WIDER THAN 1"x6" SUBLOOR TO EACH JOIST (FACE NAIL)	2- 8d COMMON (2 1/2" x 0.131")	BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE (TOENAIL)	3- 8d COMMON (2 1/2"x0.131") 3- 3"x0.131" NAILS
2" SUBFLOOR TO JOIST OR GIRDER (BLIND AND FACE NAIL)	2- 16d COMMON (3 1/2" x 0.162")	RIM TO TOP PLATE (TOENAIL)	8d (2 1/2"x0.131") 3"x0.131" NAILS AT 6"o.c.
SOLE PLATE TO JOIST OR BLOCKING (TYPICAL FACE NAIL)	16d (3 1/2" x 0.135") AT 16"o.c. 3"x0.131" NAILS AT 8"o.c.	TOP PLATES, LAPS AND INTERSECTIONS (FACE NAIL)	2- 16d COMMON (3 1/2"x0.162") 3- 3"x0.131" NAILS
SOLE PLATE TO JOIST OR BLOCKING AT BRACE WALL PANEL (BRACED WALL PANELS)	3- 16d (3 1/2" x 0.135") AT 16"o.c. 4- 3"x0.131" NAILS AT 16"o.c.	CONTINUOUS HEADER, TWO PIECES (16"o.c. ALONG EDGE)	16d COMMON (3 1/2"x0.162")
TOP PLATE TO STUD (END NAIL)	2- 16d COMMON (3 1/2" x 0.162") 3- 3"x0.131" NAILS	CEILING JOISTS TO PLATE (TOENAIL)	3- 8d COMMON (2 1/2"x0.131") 3- 3"x0.131" NAILS
STUD TO SOLE (SILL) PLATE (TOENAIL)	4- 8d COMMON (2 1/2"x0.131") 4- 3"x0.131" NAILS	CONTINUOUS HEADER TO STUD (TOENAIL)	4- 8d COMMON (2 1/2"x0.131")
(END NAIL)	2- 16d COMMON (3 1/2" x 0.162") 3- 3"x0.131" NAILS	DOUBLE SILL PLATES (FACE NAIL, STAGGER)	10d COMMON AT 12"o.c. EACH FACE
		BUILT-UP CORNER STUDS	16d (3 1/2"x0.162") AT 24"o.c. 3"x0.131" NAILS AT 16"o.c.

NOTES:
ALL FASTENERS FOR PRESERVATIVE AND FIRE RETARDANT TREATED WOOD SHALL BE HOT DIPPED ZINC COATED GALVANIZED STEEL, STAINLESS STEEL, SILICONE BRONZE, OR COPPER, UNLESS WOOD IS BORATE TREATED. EXCEPTION: PLAIN CARBON STEEL FASTENERS, INCLUDING NUTS AND WASHERS, IN SBX/DOT AND ZINC BORATE PRESERVATIVE-TREATED WOOD IN AN INTERIOR, DRY ENVIRONMENT ARE PERMITTED.

SCHEDULE C

WIND COMPONENTS AND CLADDING

WIND ZONE	COMPONENTS AND CLADDING NEGATIVE PRESSURE (PSF) EFFECTIVE WIND AREA (SQ FT.)				
	10 sq ft.	20 sq ft.	50 sq ft.	100 sq ft.	500 sq ft.
1, 2e	36.7	36.7	31.5	27.6	21.4
2n, 2r, & 3e	58.5	51.2	41.6	34.4	30.1
3r	68.3	57.5	43.2	43.2	43.2
4	27.9	26.8	25.2	24.1	21.4
5	34.5	32.2	29.1	26.8	21.4

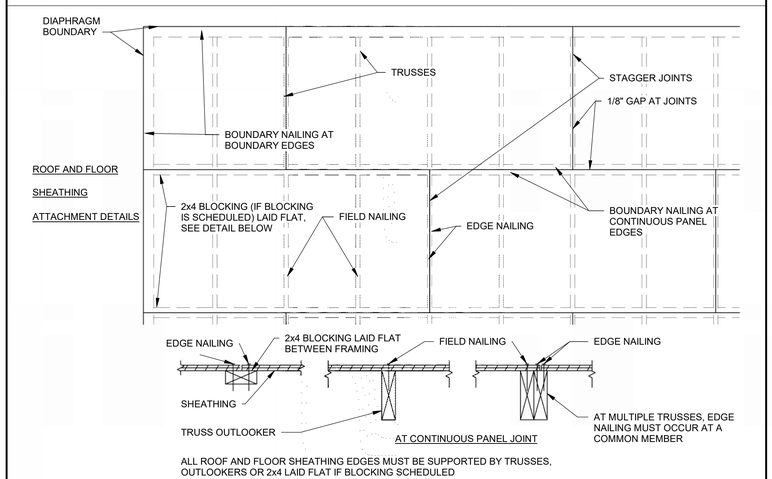


SCHEDULE E

SHEATHING TYPE AND NAILING SCHEDULE

LOCATION	SHEATHING	EDGE NAILING[1]	FIELD NAILING[1]	BOUNDARY NAILING[2]	BLOCKING AT PANEL EDGES
ROOF, UNBLOCKED	19/32" 40/20 SPAN RATING	10d AT 6"o.c.	10d AT 6"o.c.	10d AT 6"o.c.	NO
ROOF, BLOCKED[4] TYPE 1	19/32" 40/20 SPAN RATING	10d AT 6"o.c.	10d AT 6"o.c.	10d AT 4"o.c.	YES
EQUIPMENT[3] PLATFORM	23/32" 48/24 SPAN RATING T&G	10d AT 6"o.c.	10d AT 12"o.c.	10d AT 6"o.c.	NO
ROSTRUM[3]	(2) LAYERS 19/32" 40/20 SPAN RATING	10d AT 6"o.c.	10d AT 12"o.c.	10d AT 6"o.c.	NO
PLATFORM[3]	(2) LAYERS 19/32" 40/20 SPAN RATING	10d AT 6"o.c.	10d AT 12"o.c.	10d AT 6"o.c.	NO
WALLS	SEE WOOD WALL SCHEDULE				

NOTES:
1. SEE PARTIAL PLAN BELOW FOR LOCATION OF BOUNDARY, EDGE, AND FIELD NAILING.
2. ALL FASTENERS FOR PRESERVATIVE AND FIRE RETARDANT TREATED WOOD SHALL BE HOT DIPPED SINZ COATED GLAVANIZED STEEL, STAINLESS STEEL, SILICONE BRONZE, OR COPPER, UNLESS WOOD IS BORATE TREATED. EXCEPTION: PLAIN CARBON STEEL FASTENERS, INCLUDING NUTS AND WASHERS, IN SBX/DOT AND ZINC BORATE PRESERVATIVE- TREATED WOOD IN AN INTERIOR, DRY ENVIRONMENT ARE PERMITTED.
3. FOR EQUIPMENT PLATFORM, ROSTRUM, AND PLATFORM SHEATHING SHALL BE GLUED AND NAILED TO THE STRUCTURE.
4. SPECIAL INSPECTION REQUIRED.



ALL ROOF AND FLOOR SHEATHING EDGES MUST BE SUPPORTED BY TRUSSES, OUTLOOKERS OR 2x4 LAID FLAT IF BLOCKING SCHEDULED

SCHEDULE A

REQUIRED NAIL TYPES

ALL NAILS NOTED ON THE DRAWINGS SHALL BE AS SHOWN BELOW, UNLESS NOTED OTHERWISE.

NAIL SIZE	STANDARD LENGTH (INCHES)	DIAMETER (INCHES)	MINIMUM PENETRATION REQUIRED INTO MAIN MEMBER (INCHES)
8d	2 1/2	.131	1 3/8
10d	3	.148	1 1/2
16d	3 1/4	.148	1 1/2

NOTES:
1. EXCEPT WHERE NOTED OTHERWISE, THE NUMBER AND SIZE OF NAILS CONNECTING WOOD MEMBERS SHALL NOT BE LESS THAN THAT SET FORT IN IBC TABLE 2304.9.1
   a. CONNECTION FOR MULTIPLE PIECES OF ENGINEERED LUMBER SHALL BE IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS.
   b. WHERE 16d COMMON NAILS ARE CALLED OUT IN IBC TABLE 2304.9.1 USE 16d BOX NAILS.
2. ALL NAILS NOTED ON THE DRAWINGS SHALL BE AS SHOWN UNLESS NOTED OTHERWISE; NAILS FOR 3RD PARTY HARDWARE SHALL BE AS REQUIRED BY MANUFACTURER OF HARDWARE.
3. ALL FASTENERS FOR PRESERVATIVE AND FIRE RETARDANT TREATED WOOD SHALL BE HOT DIPPED ZINC COATED GALVANIZED STEEL, STAINLESS STEEL, SILICONE BRONZE, OR COPPER, UNLESS WOOD IS BORATE TREATED. EXCEPTION: PLAIN CARBON STEEL FASTENERS, INCLUDING NUTS AND WASHERS, IN SBX/DOT AND ZINC BORATE PRESERVATIVE-TREATED WOOD IN AN INTERIOR, DRY ENVIRONMENT ARE PERMITTED.
4. NAILS USED IN SIMPSON HARDWARE (OR HARDWARE OF EQUAL VALUE) SHALL BE AS SPECIFIED BY THE MANUFACTURER.
5. OTHER FASTENERS MAY BE USED TO REPLACE NAILS BUT THEY MUST HAVE EQUIVALENT, OR LARGER, DIAMETERS AND PENETRATION LENGTHS.

SCHEDULE B

DEFERRED SUBMITTALS

FOR THE PURPOSE OF THIS SECTION, DEFERRED SUBMITTALS ARE DEFINED PER THE IBC. SUBMITTAL DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE ENGINEER, ARCHITECT, AND BUILDING OFFICIAL FOR THEIR REVIEW FOR GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. DEFERRED STRUCTURAL SUBMITTALS FOR THIS PROJECT ARE:
1. PREFABRICATED METAL PLATE WOOD TRUSSES
2. STEEPLE FRAMING

bhd ARCHITECTS
www.bhdarchitects.com
Phone 801.571.0010
Fax 801.571.0303
Toll Free 888.571.0010
65 East Wadsworth Park Drive
Suite 205 Draper, Utah 84020

LICENSED PROFESSIONAL ENGINEER — Matthew C. McBride — No. 353893 — 8/14/24 — STATE OF UTAH

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

BHD #: 2346
Date: 15 Aug 2024
County Parcel: 39-228:0001
Plan Series: G300-MH-11
Owner #: 502-2004

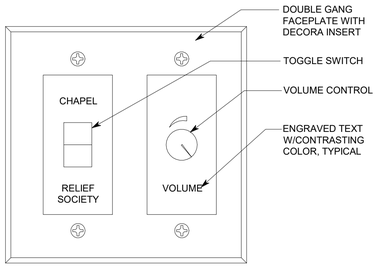
Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

SCHEDULES

S604

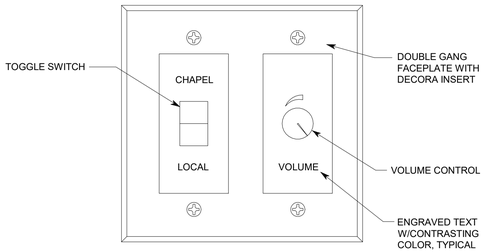
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10 MOTHERS ROOM CONTROLLER

NO SCALE

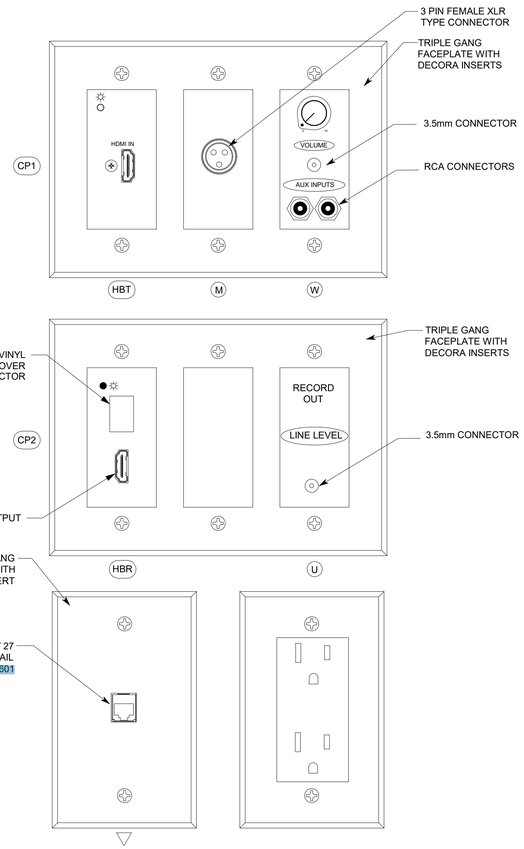
SVM



9 SOURCE/VOLUME CONTROL

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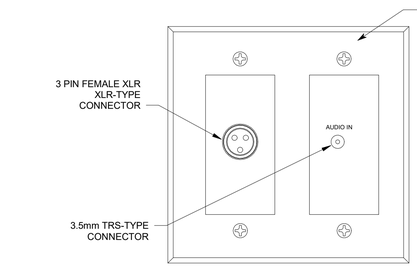
SV



8 PULPIT CONNECTION DETAILS

NO SCALE

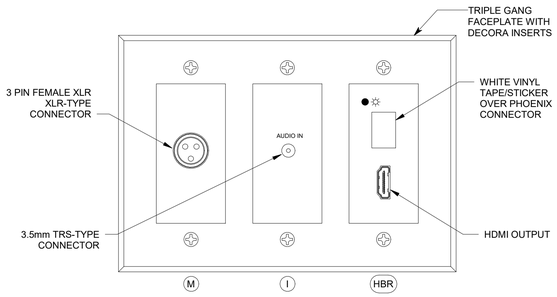
CP1 CP2



7 CULTURAL CENTER AUDIO PLATE CONNECTION PANEL #6

NO SCALE

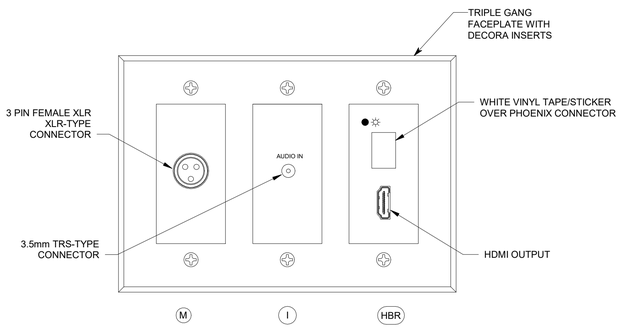
CP6



6 OVERFLOW AUDIO-VIDEO PLATE CONNECTION PANEL #3

NO SCALE

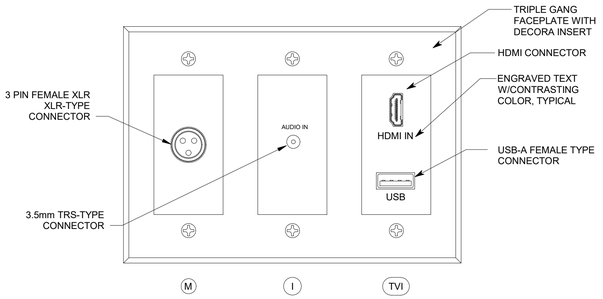
CP3



5 CONNECTION PANEL #5

NO SCALE

CP5



4 CONNECTION PANEL #4

NO SCALE

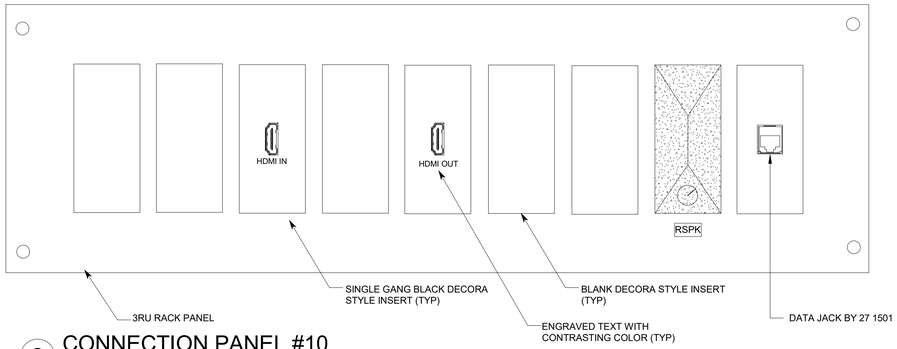
CP4



3 HELP DESK PANEL

NO SCALE

HDP



2 CONNECTION PANEL #10

NO SCALE

CP10

1 EQUIPMENT RACK ELEVATION AND DETAILS

NO SCALE

1

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STATE OF UTAH

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THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

Owner #: 502-2004
Plan Series: G300-MH-11
County Parcel: 39:228:0001
BHD #: 2346
Date: 15 Aug 2024

Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

AV SYSTEMS DETAILS

TA501

Autodesk Docs://240510 - Orem Vineyard Springwater Granger 300 Meetinghouse/240510-Tech Central.rvt
8/15/2024 7:42:55 AM

AUDIO-VIDEO SYSTEM EQUIPMENT LIST

SYM	DESCRIPTION	QTY	ACCEPTABLE TYPES
	12" LADDER RACK W/ WALL AND RACK ATTACHMENTS	A/R	CHATSWORTH 10250-712 MIDDLE ATLANTIC CLB-6
HBDA	HDBASET DISTRIBUTION AMPLIFIER, 4 PORT	OFP	EXTRON DTP HD DA4 4K 330
VS	HDMI SWITCHER, 2x1, AUTO	OFP	EXTRON SW2 HD 4K PLUS
	RACK SHELF	OFP	EXTRON RSU 126
HBR2	HD BASE T RACK RECEIVER	OFP	EXTRON DTP2 R 211
	RACK SHELF	1	EXTRON RSU 126
CP	CHAPEL CONTROL PEDESTAL PLATE	OFP	QSC TSC-50-GW3 W/ 3-GANG 1/16" METAL BLACK ANODIZED MOUNTING PLATE
CC	CULTURAL CENTER REMOTE CONTROL	OFP	QSC TSC-50-GW3
NS	OWNER STANDARD NETWORK SWITCH	OFCI	OWNER FURNISHED-INSTALLED BY DIV 271501, SEE DETAIL TT601
FW	OWNER STANDARD FIREWALL	OFCI	OWNER FURNISHED-INSTALLED BY DIV 271501, SEE DETAIL TT601
▽2 ▽ WAP	DATA OUTLET- FURNISHED AND INSTALLED BY STRUCTURED CABLING CONTRACTOR	OFP	SEE DETAIL TT602
▼	VOICE OUTLET- FURNISHED AND INSTALLED BY STRUCTURED CABLING CONTRACTOR	OFP	SEE DETAIL TT602
DPP	DATA PATCH PANEL - FURNISHED AND INSTALLED BY STRUCTURED CABLING CONTRACTOR	OFP	SEE DETAIL TT602
MON	FLAT SCREEN TV, 19", FRONT PANEL CONTROLS ACCESSIBLE FROM FRONT	OFP	TOTEVISION LED 1562 HDR OR APPROVED EQUIVALENT
HDA	HDMI DISTRIBUTION AMPLIFIER, 1x2	OFP	EXTRON DA2 HD 4K
HAE	HDMI AUDIO EXTRACTOR	OFP	EXTRON HAE 100 4K
SV	SOURCE AND VOLUME CONTROL	OFP	EMTECH MSC-S W/ EMTECH MSC-V50 RCI EQUIVALENT
IR	INFRARED DETECTORS COVER CABLE W/ LIGHT COLORED TUBING	OFP	EMTECH BLU-IR
S 4	4" LOUDSPEAKER LOUDSPEAKER GRILLE LOUDSPEAKER ENCLOSURE	OFP	COMMUNITY D4 W/D4NCB JBL CONTROL 14C/T W/ MTC-24NC LOWELL ES-42T W/ ES-4-RIB
S M	4" LOUDSPEAKER	OFP	ATLAS SOUND FC104T72 LOWELL JR410-T470 ELECTRO-VOICE 205-4T
	LOUDSPEAKER GRILLE	OFP	ATLAS SOUND T720-4BT LOWELL CN-4M
	LOUDSPEAKER ENCLOSURE	OFP	ATLAS SOUND E410-11
S 6	6" LOUDSPEAKER LOUDSPEAKER GRILLE LOUDSPEAKER ENCLOSURE	OFP	COMMUNITY D6 W/D6NCB JBL CONTROL 16C/T W/ MTC-26NC LOWELL ES-62T W/ ES-6-RIB
MON	FLAT SCREEN TV, 65"	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
	FLAT PANEL WALL MOUNT	OFCI	PEERLESS AV HPF850, OWNER FURNISHED, CONTRACTOR INSTALLED
	HD BASE T RECEIVER, FURNITURE MOUNT	OFP	EXTRON DTP HDMI 4K 330 RX
CP1	HDMI HD BASE T WALL TRANSMITTER	OFP	EXTRON DTP2 T 201D
	MICROPHONE INPUT MODULE	OFP	EMTECH MSC-M RCI LDS002-MF-X (X=COLOR)
	SOUND SYSTEM LINE LEVEL INPUT	OFP	EMTECH MSC-W3 RU RCI LDS002-RCI-M-B
CP2	HDMI HD BASE T WALL RECEIVER	OFP	EXTRON DTP R HWP 4K 331 D
	SOUND SYSTEM OUT	OFP	EMTECH MSC-U3 RU
CP3	CONNECTION PANEL #3	OFP	EMTECH MSC-M OR RCI LDS002-MF-X (X=COLOR) EMTECH MSC-I OR RCI MI9105 EXTRON DTP R HWP 4K 331 D TRIPLE GANG DECORA SURROUND SEE DETAIL 6/TA501
CP4	CONNECTION PANEL #4	OFP	EMTECH MSC-M OR RCI LDS002-MF-X (X=COLOR) EMTECH MSC-I OR RCI LDS002-W-X (X=COLOR) EMTECH MSV-TVI OR RCI MI 9511 TRIPLE GANG DECORA SURROUND HDMI HIGHSPEED CABLE USB 3.0 CABLE SEE DETAIL 4/TA501
CP5	CONNECTION PANEL #5	OFP	EMTECH MSC-M OR RCI LDS002-MF-X (X=COLOR) EMTECH MSC-I OR RCI LDS002-W-X (X=COLOR) EXTRON DTP R HWP 4K 331 D TRIPLE GANG DECORA SURROUND SEE DETAIL 5/TA501
CP6	CONNECTION PANEL #6	OFP	EMTECH MSC-M OR RCI LDS002-MF-X (X=COLOR) EMTECH MSC-I OR RCI LDS002-W-X (X=COLOR) DOUBLE GANG DECORA SURROUND SEE DETAIL 10/TA501

SYM	DESCRIPTION	QTY	ACCEPTABLE TYPES
	HIGH IMPACT NYLON COVER PLATES FOR ALL DECORA STYLE AV MODULES, NUMBER OF GANGS AS REQUIRED. COLORS TO MATCH NEARBY ELECTRICAL DEVICES	OFP	HUBBELL OR LEVITON
M SM	MICROPHONE INPUT MODULE	OFP	EMTECH MSC-M RCI LDS002-MF-X (X=COLOR) FOR 'SM', SEE DETAILS 1/ET601 AND E,F/A411
	50'-0" MICROPHONE EXTENSION CABLES W/ BLACK CONNECTORS	1	CONQUEST B84-50 WHIRLWIND MK450
	25'-0" MICROPHONE EXTENSION CABLES W/ BLACK CONNECTORS	2	CONQUEST B84-25 WHIRLWIND MK425
	MICROPHONE, GENERAL USE	2	AUDIO-TECHNICA ATM610AS AKG D5-S
	MICROPHONE, CHAPEL PULPIT	1	AUDIO-TECHNICA ES905CLA
	MICROPHONE, SACRAMENT TABLE	1	IVIE IM-10 EMTECH BLU-SM
	MICROPHONE,GOOSENECK. INSTALL ON PRIMARY ROOM PULPIT WITH METAL PLATE-MOUNTED FEMALE XLR WIRED TO MALE XLR INSIDE PULPIT IN WIREMOLD BOX	1	AUDIO TECHNICA U855QL W/ CABLE, JUNCTION BOX, AND RCI LDS0002-RCI-PMJ
	10'-0" MICROPHONE EXTENSION CABLE W/ BLACK CONNECTORS	1	CONQUEST B84-10 WHIRLWIND MK410
	15'-0" MICROPHONE EXTENSION CABLE W/ BLACK RIGHT ANGLE MALE CONNECTOR FOR PRIMARY ROOM MICROPHONE	1	CONQUEST B84-15 WHIRLWIND MK415
	8'-0" PEDESTRIAN STRIP	1	TECHFLEX DRN 3.00BK
	MICROPHONE STAND, FLOOR TYPE	1	ATLAS SOUND MS-20E W/PB21 XEB KONIG AND MEYER 210/9
ALS	ASSISTED LISTENING SYSTEM	1	LISTEN MH-01-01
		A/R	RG-58 50Ω COAX CABLE
V	VOLUME CONTROL MODULE	OFP	EMTECH MSC-V10 OR V35 AS APPROPRIATE FOR SPEAKER LOAD RCI LDS002-MSCV-35
SVM	SOURCE AND VOLUME CONTROL	OFP	EMTECH MSC-S WITH EMTECH MSC-V10 WITH SPECIAL LABELING ACCORDING TO DETAIL 9/TA501
	INSTALLED HDMI INTERCONNECT CABLE, 3'	A/R	HDMI HIGH SPEED
	INSTALLED HDMI INTERCONNECT CABLE, 6'	A/R	
	HDMI CABLE, 15 FEET, FOR OWNER	2	
	HDMI CABLE, 50 FEET, FOR OWNER	1	
1	AV EQUIPMENT CABINET, FLOOR/ WALL MOUNT W/ FRONT DOOR	OFP	MIDDLE ATLANTIC SR-40-28 W/ VFD-40
	DRAWER	1	MIDDLE ATLANTIC UD3 ATLAS SOUND SD3-14
	SHELF	1	MIDDLE ATLANTIC SS LOWELL RSD-116
2	DATA RACK, SWING FRAME	OFP	SEE VOICE-DATA EQUIPMENT LIST, SHEET TT601
ADSP	AUDIO MIXER, DIGITAL SIGNAL PROCESSOR W/ POWER SUPPLY, I/O MODULES, RELAYS, AND ACCESSORIES AS REQUIRED.	OFP	QSC CORE 110F V2 W/ UCI & SCRIPTING LICENSES
		A/R	QSC QIO-ML2X2
QIF	QSC PERIPHERAL INTERFACE	OFP	EMTECH QIF
IOE	GPIO EXPANSION	1	QSC Q70-GP8X8
	RACK SHELF	A/R	EXTRON RSU 126
	SECURITY COVER	A/R	MIDDLE ATLANTIC SECS-1 W/ HTX SCREWS, OR EQUIVALENT
AE	AUDIO EXPANSION	1	QSC QIO-ML2X2
PA	POWER AMPLIFIERS PA1-PA4 (4 x 200 WATT)	OFP	QSC CX204V CROWN 135MA W/ RACK MOUNT KIT
	PA5-PA7 (35WATT)	OFP	JBL CSA 140Z W/ RACK MOUNT KIT TOA BA-235 W/ MB-25B-BK-OR MB-25B-J
HDP	HELP DESK PANEL, 1 RU	1	CUSTOM LABELING, SEE DETAIL 3/TA501
STS	STANDARD TERMINAL STRIP	OFP	
IT	ISOLATION TRANSFORMER	A/R	RDL TX-1A PRO CO LOT-1
TVSSE	SURGE SUPPRESSOR AND SWITCHER IP ENABLED W/ UL LISTED PLUG STRIP PROVIDE FOR EQUIPMENT RACK #1 AND #2	OFP	SURGEX SX-AX20E MIDDLE ATLANTIC RLNK P920R-SP W/ RLNK-CONT, RLNK-TEMP
	POWER STRIP, UL LISTED	A/R	6 OUTLET POWER STRIP OR EQUAL
	TVSS/ADSP RELAY INTERFACE	A/R	24 VDC RELAY, POWER SUPPLY AND BASE
TVSS	NON SEQUENCING SURGE SUPPRESSOR	OFP	MIDDLE ATLANTIC PD 915R-SP
CP10	CONNECTION PANEL #10	OFP	LOWELL D9P-ID-3 OR AS APPROVED CUSTOM HDMI INPUT CUSTOM HDMI OUTPUT *CUSTOM DEVICES MUST BE FABRICATED ON METAL DECORA INSERTS AS SHOWN ON 2/TA501
RSPK	RACK MONITOR SPEAKER, DECORA	OFP	RDL D-PSP1/PS-24AS

MANUFACTURER'S NAMES AND TELEPHONE NUMBERS ARE LISTED IN THE SPECIFICATIONS
A/R = AS REQUIRED, OFP = OBTAIN FROM PLANS OFCI = OWNER FURNISHED AND CONTRACTOR INSTALLED

GENERAL PROJECT NOTES

1. NO CHANGES SHALL BE MADE WITHOUT THE PROJECT ACOUSTICAL AND TECHNOLOGY CONSULTANT'S WRITTEN CONSENT.
2. REFER TO DRAWINGS FOR EXACT NUMBER OF COMPONENTS USED IF NOT SPECIFIED IN EQUIPMENT LIST.
3. SEE 'ET' SHEETS FOR DEVICE LOCATIONS AND COORDINATION.
4. SEE SHEET TT601 FOR ADDITIONAL COORDINATION.
5. SECURE ALL LOUDSPEAKER ASSEMBLIES WITH SEISMIC RESTRAINTS. MOUNT ALL LOUDSPEAKER ASSEMBLIES IN SUSPENDED TILE CEILINGS ON TILE BRIDGES EVEN IF NOT SHOWN IN EQUIPMENT LIST.
6. MOUNT ALS ANTENNA VERTICALLY IN ATTIC IN LOCATION CHOSEN TO PROVIDE MAXIMUM COVERAGE OF CHAPEL AND CULTURAL CENTER.

GENERAL SHEET NOTES

1. CONNECT CHAPEL AND ROSTRUM SPEAKERS TOGETHER AT TERMINAL STRIP IN RACK. DISCONNECT CHAPEL SPEAKERS FOR FOLDING PARTITION TESTING.
2. UNLESS OTHERWISE NOTED, MODULES SHALL BE PURCHASED FROM MANUFACTURER LISTED, NOT CUSTOM MADE. COLOR OF INSERTS AND COVER PLATES TO MATCH ELECTRICAL DEVICES.
3. 'TVSSE' DEVICES CAN PROVIDE EMAIL NOTIFICATION WHEN POWER AND TEMPERATURE THRESHOLDS ARE EXCEEDED. SET EMAIL NOTIFICATIONS TO BE SENT TO FM PROVIDED EMAILS ADDRESS WHEN MANUFACTURE RECOMMENDED POWER AND TEMPERATURE LIMITS ARE EXCEEDED.
4. FURNISH SPEAKER ENCLOSURES AND TRIM RINGS TO DIVISION 26 INSTALLER FOR INSTALLATION.
5. REFER TO A SHEETS FOR COORDINATION OF ITEMS MOUNTED IN WOOD MILLWORK.

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THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Springwater 9
Vineyard UT Springwater Stake

Approx. 542 South Geneva Road
Vineyard, Utah 84059

Owner #: 502.2004
Plan Series: G300-MH-11
County Parcel: 39-228:0001
BHD #: 2346
Date: 15 Aug 2024

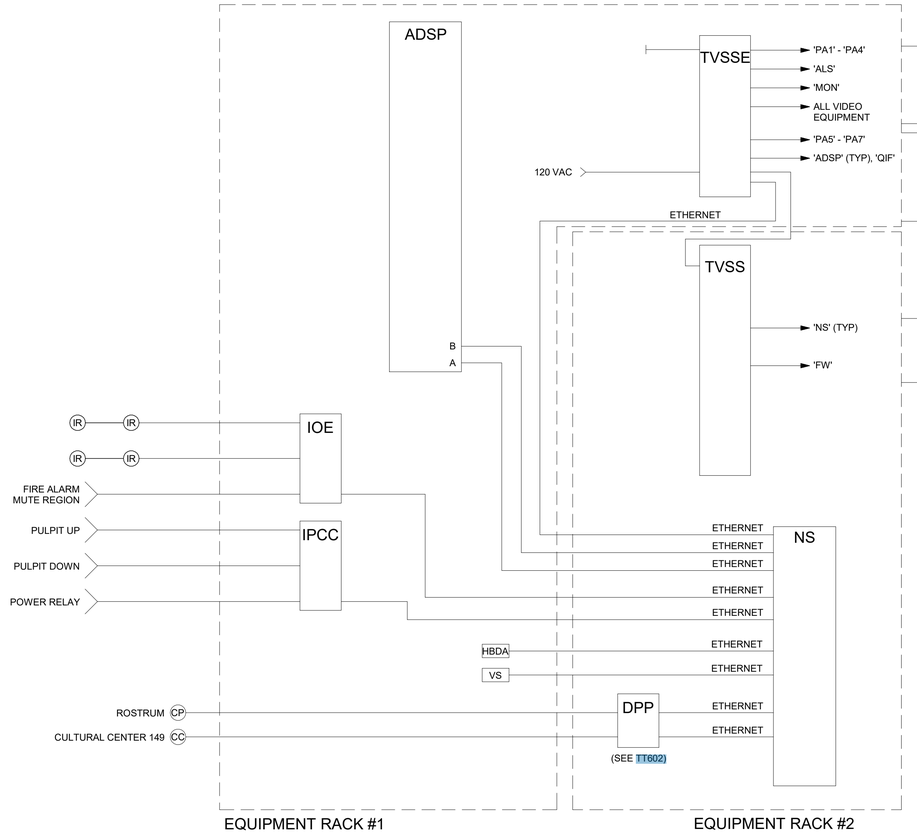
Drawing Issue and Revision Schedule

#	Date	Description
1	15 Aug 2024	Bid Documents

AV SYSTEMS SCHEDULES AND NOTES

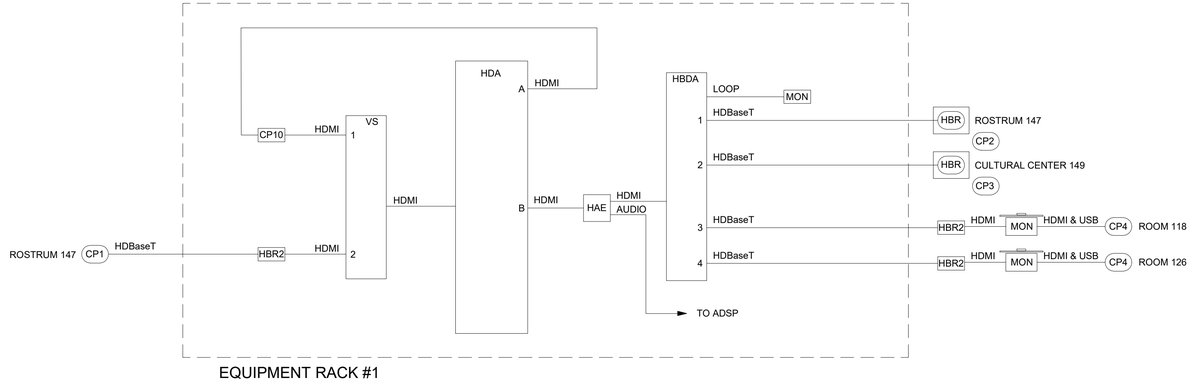
TA601

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2 CONTROL/LOGIC RISER DIAGRAM

NO SCALE



1 VIDEO SYSTEM RISER DIAGRAM

NO SCALE

GENERAL SHEET NOTES

1. WHERE MULTIPLE DEVICES ARE SHOWN ON A SINGLE 'TVSSE' OUTLET, PROVIDE PLUG STRIPS AS REQUIRED.
2. QSC CONTROLLER MUST BE CONNECTED TO POE PORT.
3. HDBASE T AND QSC DEVICES ARE IP COMMUNICATIONS PROTOCOL DEVICES. TWISTED PAIR CABLES MUST MEET STANDARDS DEFINED IN THE HORIZONTAL COMMUNICATIONS SPECIFICATIONS.
4. N/C INDICATES NO CONNECTION.
5. ADSP AND CONTROL/LOGIC WIRING IS GENERIC. SEE MANUFACTURER'S INSTRUCTION SHEET FOR WIRING DETAILS.
6. USE DHCP FOR IP ADDRESS ASSIGNMENT.
7. CONFIGURE NETWORK SWITCH FOR PROPER NETWORK ZONES. NETWORK PORTS CONNECTED TO CONVENIENCE OUTLETS AND QSC DEVICE B PORTS SHALL BE CONFIGURED FOR PUBLIC ACCESS. ALL OTHER AV AND FACILITIES DEVICES SHALL BE CONNECTED TO PORTS CONFIGURED FOR FACILITIES ZONE ACCESS.
8. CONFIGURE RLNK TO PROVIDE 2 LEVELS OF POWER RESET. LEVEL 1 SHALL TURN OFF ALL "SWITCHED DEVICES". LEVEL 2 SHALL BE TRIGGERED AT 3AM, AND INCLUDE AMPLIFIER. IN ADDITION TO LEVEL 1 DEVICES USE IP TRIGGERS.

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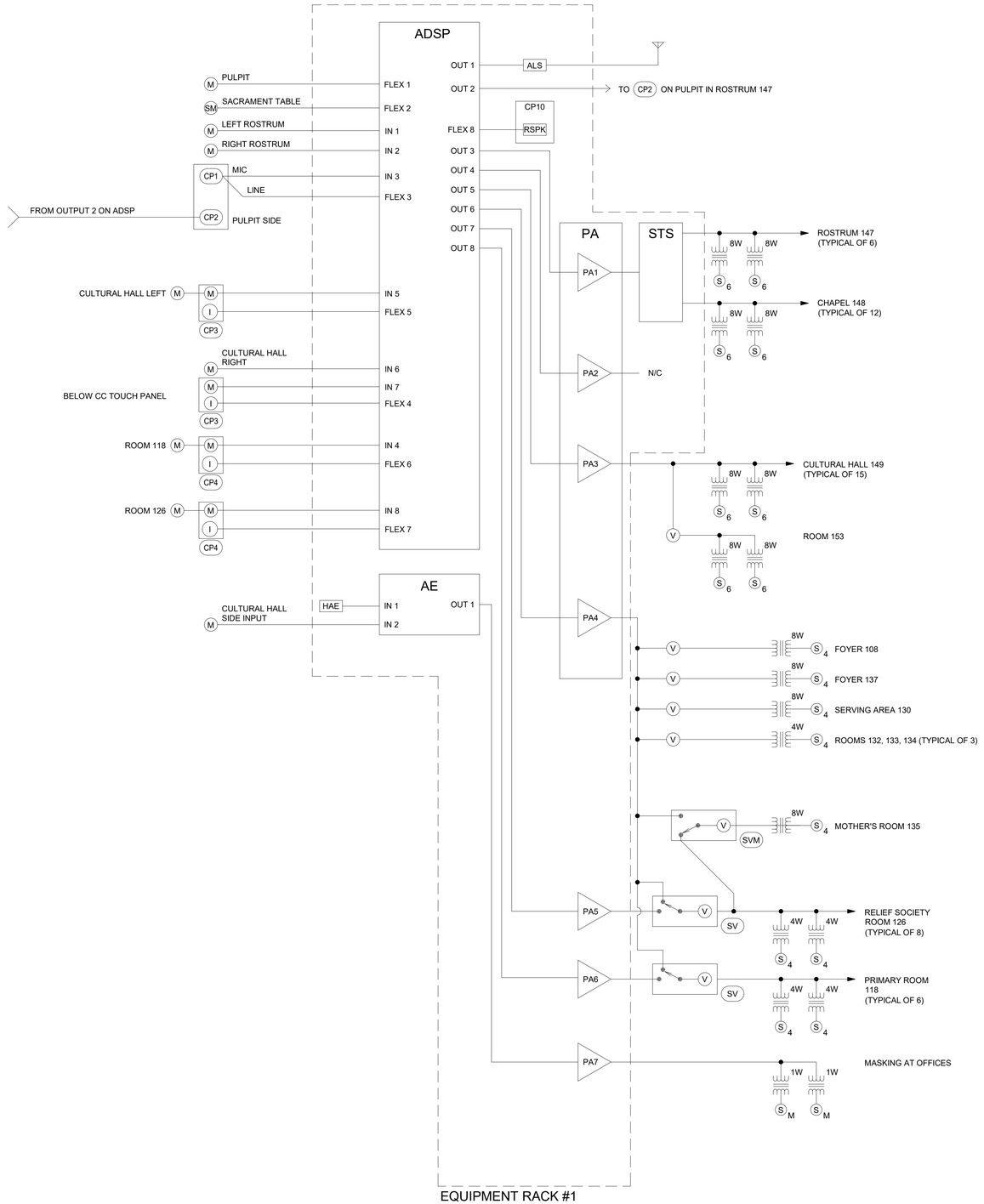
AV SYSTEMS DIAGRAMS

TA602

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GENERAL SHEET NOTES

1. WHERE MULTIPLE DEVICES ARE SHOWN ON A SINGLE 'TVSS' OUTLET, PROVIDE PLUG STRIPS AS REQUIRED.
2. QSC CONTROLLER MUST BE CONNECTED TO POE PORTS.
3. HDBASE T AND QSC DEVICES ARE IP COMMUNICATIONS PROTOCOL DEVICES. TWISTED PAIR CABLES MUST MEET STANDARDS DEFINED IN THE HORIZONTAL COMMUNICATIONS SPECIFICATIONS.
4. N/C INDICATES NO CONNECTION.
5. ADSP AND CONTROL/LOGIC WIRING IS GENERIC. SEE MANUFACTURER'S INSTRUCTION SHEET FOR WIRING DETAILS.
6. USE DHCP FOR IP ADDRESS ASSIGNMENTS. ASSIGNMENTS.



1 AUDIO SYSTEM RISER DIAGRAM
NO SCALE

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AV SYSTEMS DIAGRAMS

TA603

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VOICE-DATA SYSTEM EQUIPMENT/CABLE LIST

THE FOLLOWING IS A PARTIAL LIST OF MATERIALS FOR THE DATA/PHONE SYSTEM. REFER TO SPECIFICATION 27 1501 FOR FULL REQUIREMENTS. VERIFY ALL PART NUMBERS WITH MANUFACTURER'S CATALOG NUMBERS AND NOTIFY CONSULTANT OF DISCREPANCIES PRIOR TO BIDDING. FURNISH MISCELLANEOUS HARDWARE NOT LISTED TO PROVIDE A COMPLETE SYSTEM.

SYM	DESCRIPTION	ACCEPTABLE TYPES
TELCO DEMARC	TELECOMMUNICATIONS PROVIDER DEMARCATION POINT	FURNISHED AND INSTALLED BY PROVIDER
ISP DEMARC	INTERNET SERVICE PROVIDER DEMARCATION POINT	FURNISHED AND INSTALLED BY PROVIDER
DPP	PATCH PANEL, DATA, 48-PORT W/ CAT 6 INSERT, BLUE (QUANTITIES OF PORTS AS REQUIRED +25%)	SEE SPECIFICATION 271501
TVSS	SURGE SUPPRESSOR AND SWITCHER W/ UL LISTED PLUG STRIP	FURNISHED AND INSTALLED BY AV INSTALLER
	UL LISTED POWER STRIP	6 OUTLET POWER STRIP OR EQUAL
D(#)	STATION CABLE, DATA-CAT 6, DATA, BLUE JACKET (#) INDICATES NUMBER OF CABLES IF MORE THAN ONE	SEE SPECIFICATION 271501
WAP ▽	DATA OUTLET, WIRELESS ACCESS POINT SINGLE GANG BEZEL	SEE SPECIFICATION 271501 SEE DETAIL 8/ET601
	BEZEL INSERTS	SEE SPECIFICATION 271501
	CAT 6 JACK-DATA (1)	SEE SPECIFICATION 271501
▼	VOICE OUTLET SINGLE GANG BEZEL	SEE SPECIFICATION 271501
	BEZEL INSERTS	SEE SPECIFICATION 271501
	CAT 6 JACK-DATA (1)	SEE SPECIFICATION 271501
▽ ▽2	DATA OUTLET SINGLE GANG BEZEL	SEE SPECIFICATION 271501
	BEZEL INSERTS	SEE SPECIFICATION 271501
	CAT 6 JACK-DATA (1 OR 2)	SEE SPECIFICATION 271501
	COPPER CAT 6 PATCH CABLES (INCLUDE CABLES LONG ENOUGH TO CONNECT TO EQUIPMENT IN EQUIPMENT CABINET RACK #1 AS NEEDED)	SEE SPECIFICATION 271501
	CAT 6 J-HOOKS	CADDY CAT32Z34
HWM	HORIZONTAL WIRE MANAGER HORIZONTAL WIRE MANAGER SHALL NOT HAVE A DEPTH OF MORE THAN 3"	SEE SPECIFICATION 271501
NS	NETWORK SWITCH, OWNER STANDARD	OWNER FURNISHED-CONTRACTOR INSTALLED
	RACK MOUNT SHELF	MIDDLE ATLANTIC U2
IRC	IRRIGATION REMOTE CONNECTION	FURNISHED AND INSTALLED BY IRRIGATION CONTRACTOR
BMG	BUILDING MANAGEMENT GATEWAY	FURNISHED AND INSTALLED BY MECHANICAL CONTROLS CONTRACTOR
FW	INTERNET FIREWALL, OWNER STANDARD,	OWNER FURNISHED-CONTRACTOR INSTALLED
	RACK MOUNT SHELF	MIDDLE ATLANTIC U2
ISP MODEM	INTERNET SERVICE MODEM	OWNER FURNISHED-CONTRACTOR INSTALLED
	WALL MOUNT SHELF	MIDDLE ATLANTIC WMS-20
110 BLOCK	110 PUNCH DOWN BLOCK, CAT6	SEE SPECIFICATIONS 27 1501
WAP	WIRELESS ACCESS POINT. OWNER STANDARD	OWNER FURNISHED-CONTRACTOR INSTALLED, INSTALL AT EACH 'WAP' LOCATION SHOWN ON ET102. PROVIDE WALL BRACKET AS SHOWN ON DETAIL 8/ET601
/2	DATA RACK, SWING FRAME	MIDDLE ATLANTIC SFR-20-18 LOWELL SR-12-18, SEE DETAILS 4/ET602 AND 5/TT601
CC CP	AUDIO VIDEO USER INTERFACE	INTERFACE BY AV INSTALLER; DATA CONNECTION BY 27 1501 SEE TA601, TA602
	CAT6 DATA JACK	SEE SPECIFICATION 27 1501
NHP	NETWORK HELP DESK PANEL	1RU RACK PANEL WITH CUSTOM LABELING SEE DETAIL 7/TT602

NOTE: ALL PATCH PANELS AND ACCESSORIES SHALL BE BLACK IN COLOR

AUDIO-VIDEO CABLE EQUIPMENT LIST

SYM	DESCRIPTION	QTY	ACCEPTABLE TYPES
A(X)	HDMI CABLE (X) INDICATES NUMBER OF CABLES, IF MORE THAN ONE	A/R	BELDEN HD 800-XX LIBERTY HD 1000-XX OR AS APPROVED BY CONSULTANT ('XX' LENGTH REQUIRED)
C(X)	CONTROL CABLE, WHITE JACKET (X) INDICATES NUMBER OF CABLES, IF MORE THAN ONE	A/R	BELDEN 1872A WEST PENN 4246 LIBERTY 24-4P-L6-EN OR AS APPROVED BY CONSULTANT
H(X)	HDBASE T CABLE, BLACK JACKET, (X) INDICATES NUMBER OF CABLES, IF MORE THAN ONE	A/R	WEST PENN 4246AF COMMSCOPE 1291B F/UTP BELDEN 10GX62F OR AS APPROVED BY CONSULTANT
L(X)	LINE LEVEL CABLE, (X) INDICATES NUMBER OF CABLES, IF MORE THAN ONE	A/R	BELDEN 9451 WEST PENN 454 LIBERTY 22-1P-EZ OR AS APPROVED BY CONSULTANT
LC	CONTROL CABLE FOR PULPIT LIFT MOTOR 3 CONDUCTOR, 20 AWG	A/R	BELDEN 8772 WEST PENN 232 OR AS APPROVED BY CONSULTANT
M(X)	MICROPHONE CABLE, (X) INDICATES NUMBER OF CABLES, IF MORE THAN ONE	A/R	LIBERTY 22-1P-EZ BELDEN 9451 WEST PENN 454 OR AS APPROVED BY CONSULTANT
RF	RF CABLE, 50 OHM, COAXIAL , RG-59 FOR ALS	A/R	WEST PENN 25812 BELDEN 89907
S(X)	SPEAKER CABLE, (X) INDICATES NUMBER OF CABLES, IF MORE THAN ONE	A/R	BELDEN 8471 WEST PENN 225 LIBERTY 16-2C-GRY OR AS APPROVED BY CONSULTANT
U(X)	USB CABLE, (X) INDICATES NUMBER OF CABLES, IF MORE THAN ONE	A/R	USB 2.0 OR GREATER, PRE-MADE LIBERTY U026-20M OR AS APPROVED BY CONSULTANT

MANUFACTURER'S NAMES AND TELEPHONE NUMBERS ARE LISTED IN THE SPECIFICATIONS
A/R = AS REQUIRED

GENERAL PROJECT NOTES

1. LABEL ALL CABLE REGARDLESS OF LENGTH.
2. THE EQUIPMENT LABELING IDENTIFIED ON DETAILS IN THESE DRAWINGS ARE EXAMPLES ONLY. PRIOR TO FABRICATION, SUBMIT THE NOMENCLATURE FOR ALL CABLING AND EQUIPMENT TO THE CONSULTANT APPROVAL.
3. COIL 5' OF EXTRA CABLE AT THE TECHNOLOGY ROOM AND 18" AT THE OUTLET FOR EACH CABLE RUN.
4. USE CADDY CLIPS OR BRIDLE RINGS FOR ALL CABLE OUTSIDE OF CONDUIT. GENERAL PROJECT NOTES ET601.
5. ALL CABLE AND UTP TO TERMINATE ON BOTH ENDS.
6. ALL VOICE-DATA OUTLETS ON WALLS SHALL BE MOUNTED WITHIN 6" OF A POWER OUTLET. IF CONTRADICTIONS ARISE ON PLANS, NOTIFY ENGINEER.
7. REFER TO SHEET ET101 AND ET102 FOR VOICE-DATA JACK LOCATIONS AND ROUTING OF AV CABLE.
8. EQUIPMENT RACK TO BE INSTALLED BY AV INSTALLER.
9. ALL VOICE-DATA CABLING AND EQUIPMENT SHALL BE INSTALLED ACCORDING TO DIVISION 27 1501.
10. INSTALL OWNER FURNISHED NETWORK EQUIPMENT SHOWN. AS PART OF INSTALLATION SET UP AND CONFIGURE DEVICES IN ACCORDANCE WITH OWNER REQUIREMENTS. COORDINATE WITH LOCAL FACILITIES MANAGER.
11. COORDINATE WITH FACILITIES MANAGER AND PROJECT MANAGER WELL IN ADVANCE OF PROJECT COMPLETION TO ENSURE INSTALLATION OF ALL OWNER FURNISHED EQUIPMENT IS INSTALLED AND SET UP PROPERLY. IN ADDITION, ENSURE OWNER PROVIDES INTERNET SERVICE TO BUILDING PRIOR TO FINAL INSTALLATION OF AV AND VOICE DATA EQUIPMENT.
12. INSTALL A DATA PATCH CABLE TO NS FOR ALL DATA LOCATIONS SHOWN ON PLANS.
13. FURNISH AND INSTALL ALL AUDIO-VIDEO CABLE SHOWN. PROVIDE 3' EXTRA CABLE AT OUTLET END AND 15' EXTRA CABLE AT EQUIPMENT RACK. COIL AND LABEL.
14. INSTALL PATCH IN AND SET-UP OWNER FURNISHED WIRELESS ACCESS POINTS.
15. SEE "TA" AND "ET" SHEETS FOR DEVICE LOCATIONS AND ADDITIONAL COORDINATION.
16. ALL HORIZONTAL CABLING AND TERMINATIONS SHALL BE FROM SINGLE MANUFACTURER, AS NECESSARY SUCH THAT INSTALLER MAY PROVIDE EXTENDED SYSTEM WARRANTY OF 25 YEARS OR MORE.
17. CABLE RUNS ORIGINATING FROM OUTSIDE THE RACK SHALL BE TERMINATED TO DPP, WITH PATCH CABLE TO NETWORK SWITCH. DEVICES IN THE SAME RACK AS THE NETWORK SWITCH MAY BE CONNECTED DIRECTLY TO THE SWITCH.

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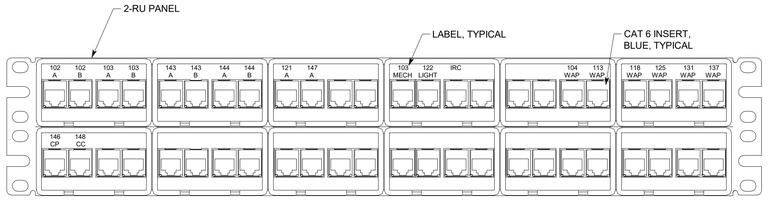
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TELECOM SCHEDULES AND NOTES

TT601

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2-RU PANEL = 2 RACK UNIT (3.50")

NOTE:

NUMBER SHOWN MATCHES DESIGN ROOM NUMBERS. FINAL LABELING FOR PATCH PANEL AND OUTLETS SHALL MATCH SIGNAGE POSTED FOR ROOMS.

1 PATCH PANEL DETAIL, 48-PORT, TYPICAL

NO SCALE



7 HELP DESK PANEL

NO SCALE

NHP

2 CABLE LABEL DETAIL

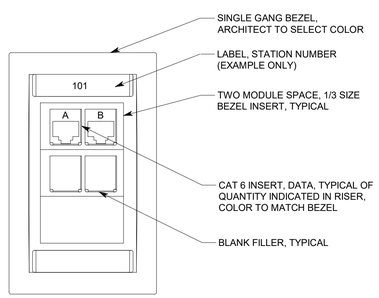
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PIN # RP/COLOR

5	T1-W/BL
4	R1-BL/W
1	T2-W/O
2	R2-0/W
3	T3-W/GR
6	R3-GR/W
7	T4-W/BR
8	R4-BR/W

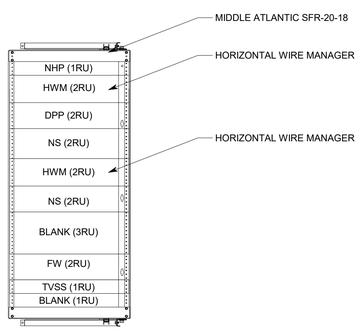
3 OUTLET PINNING DETAIL

NO SCALE



4 TYP DATA OUTLET

NO SCALE



5 DATA RACK ELEVATION

NO SCALE

6 STRUCTURED CABLING RISER DIAGRAM

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TELECOM DETAILS AND DIAGRAMS

TT602

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