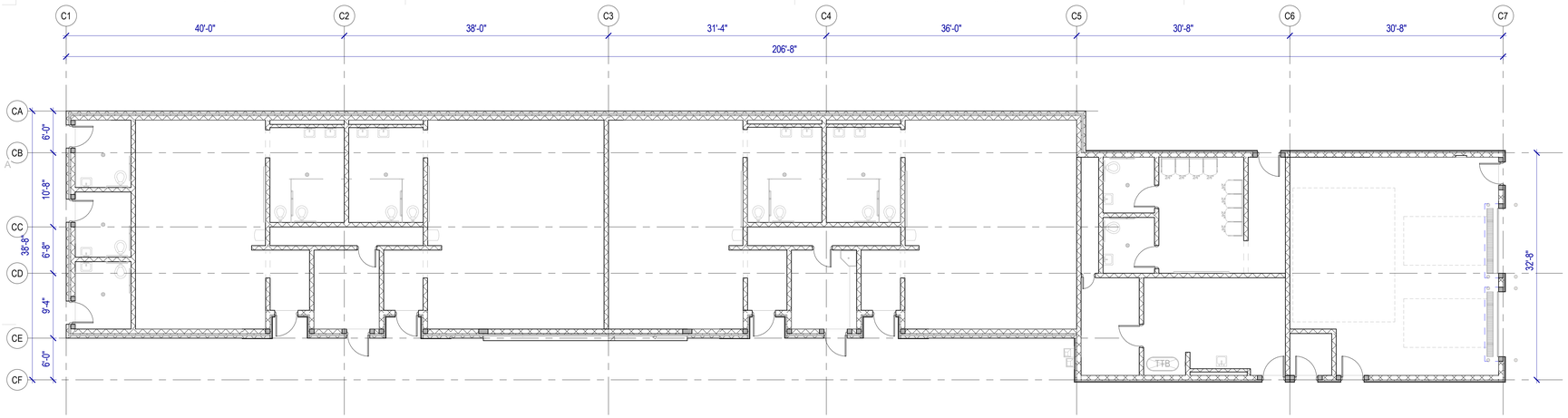
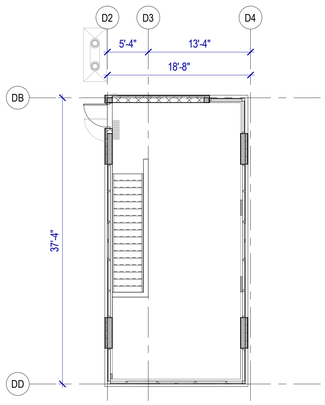


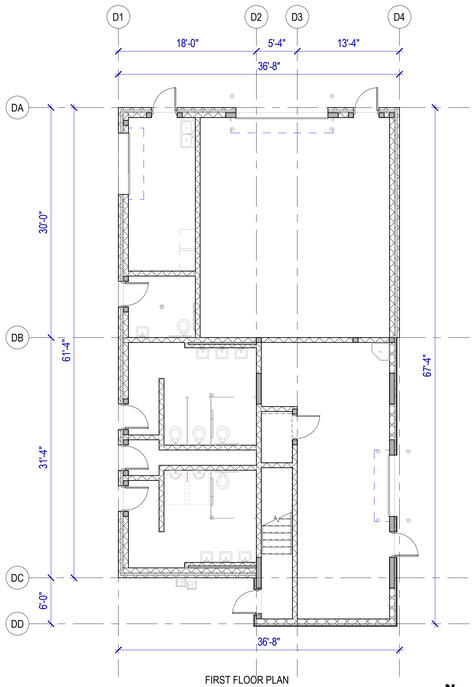
TREASURE SUPPORT (BUILDING A)

SCALE: 1/8" = 1'-0"

0 4' - 0" 8' - 0" 16' - 0"



SECOND FLOOR PLAN

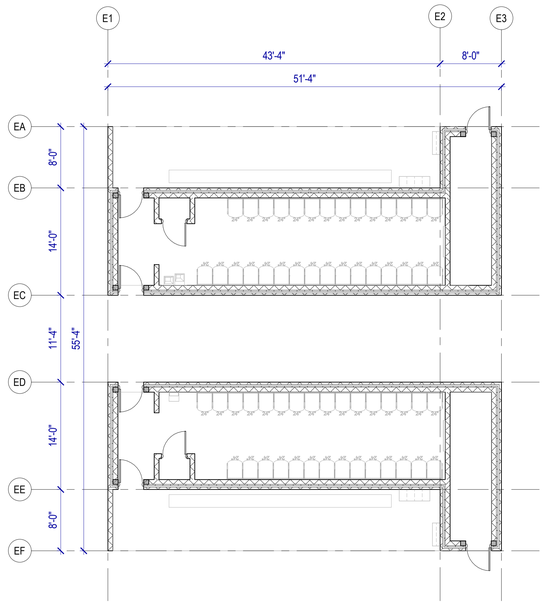


FIRST FLOOR PLAN

PRESS BOX (BUILDING B)

SCALE: 1/8" = 1'-0"

0 4' - 0" 8' - 0" 16' - 0"



TEAMROOM/DUGOUT (BUILDING C)

SCALE: 1/8" = 1'-0"

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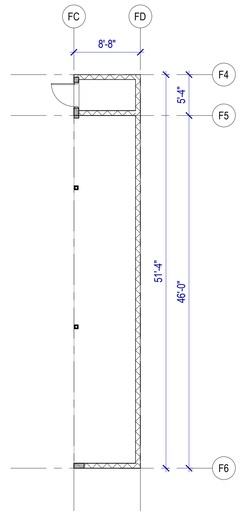

DUGOUT 2 (BUILDING D)

SCALE: 1/8" = 1'-0"

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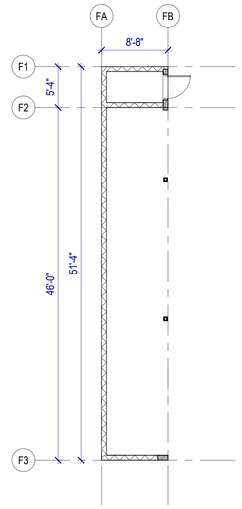

DUGOUT 1 (BUILDING D)

SCALE: 1/8" = 1'-0"

0 4' - 0" 8' - 0" 16' - 0"

GENERAL NOTES - OVERALL FLOOR PLANS

Rated Construction: Provide as shown on the plans, the Life Safety Plans and elsewhere in the documents. Seal penetrations with systems applicable to the application and that have UL or other testing agency certifications.

Keynotes: Not all keynotes apply to this sheet.

LEGEND - OVERALL FLOOR PLANS

- - - EXPANSION JOINT - EXTENDS VERTICALLY THROUGH THE BUILDING FROM SLAB ON GRADE UP TRHOUGH THE ROOF. CONTRACTOR SHALL PROVIDE EXANSION JOINT COVERS AT ALL LOCATIONS WHERE JOINT IS EXPOSED

MHTN ARCHITECTS
MHTN Architects, Inc.
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Telefax (801) 595-6717
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PARK CITY SCHOOL DISTRICT

TREASURE MOUNTAIN SPORTS COMPLEX

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PARK CITY, UT 84060

SEAL

STATE OF UTAH
SCOTT LATER
No. 7919245-0301
5/12/25
LICENSED ARCHITECT

MHTN PROJECT NO: 2017559

VIEW AND PRINT THIS DRAWING IN COLOR

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE:

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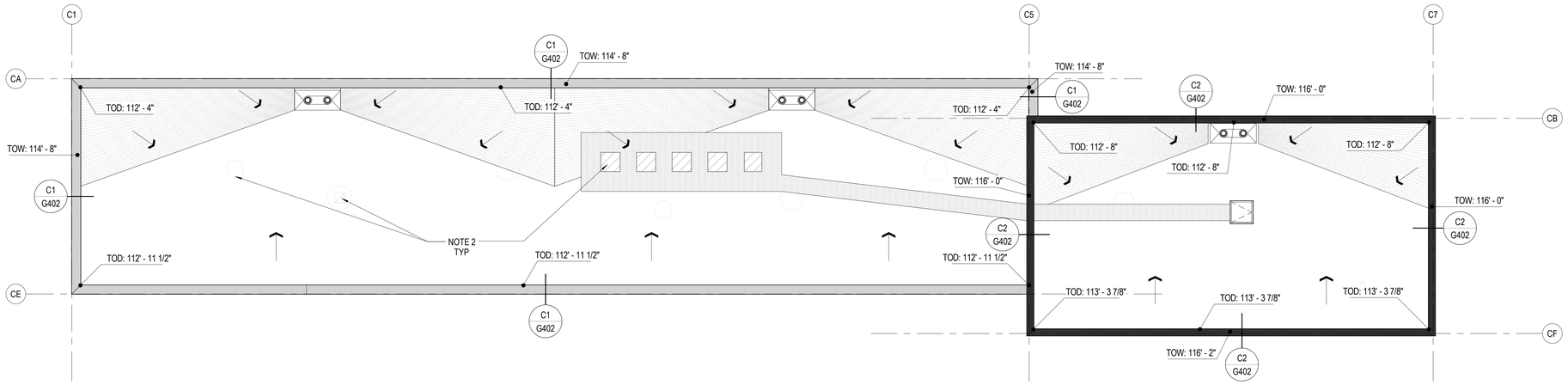
ISSUE
BID SET #1
MAY 12, 2025

SHEET NAME
OVERALL PLANS

SHEET NUMBER
A001

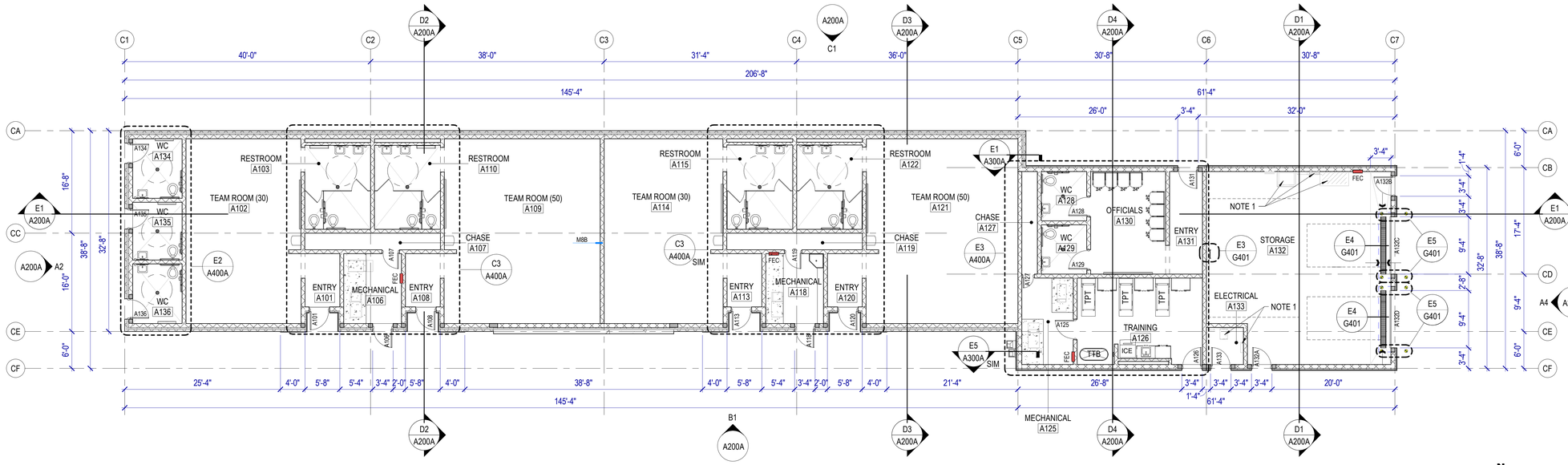
RETURN TO SHEET INDEX



ROOF PLAN

SCALE: 1/8" = 1'-0"

0 4' - 0" 8' - 0" 16' - 0"



FLOOR PLAN

SCALE: 1/8" = 1'-0"

0 4' - 0" 8' - 0" 16' - 0"

GENERAL NOTES - FLOOR PLANS

References to sheets below are provided to aid in navigating the drawings.

RE: G200 & G201 for Fixture Mounting Heights.

RE: G400 for Floor, Roof, and Wall Types.

RE: G600 for typical details.

RE: Structural for slab recesses.

RE: Structural for concrete scoring, except where decorative scoring is shown.

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GENERAL NOTES - ROOF PLANS

References to sheets below are provided to aid in navigating the drawings.

RE: G400 for Roof Types.

RE: Plumbing drawings for pipe vent quantities and locations. Provide flashing per roof and plumbing details.

Crickets: Provide crickets at roof top mechanical units, roof access hatches and other similar conditions for positive drainage.

Roof Deck Limitations: Do not use the steel roof deck to support loads from plumbing, HVAC ducts, light fixtures, architectural elements or equipment of any kind, UNO. Lightweight suspended acoustical ceilings with a total weight per wire not exceeding 50 pounds may be hung from the steel roof deck. Stagger the hangers to distribute the load over multiple deck flutes.

Roof Insulation: Provide R-30 minimum, unless noted otherwise.

Walkway Pads: Provide walkway pads as shown, and if not shown, provide pads from all points of roof access (ladders, doors, access hatches) to mechanical equipment, roof drains, and all other rooftop equipment. Adjust pathways as required to miss penetrations and rooftop equipment that may not be shown on the roof plan.

Slope: Provide ¼" per foot minimum slope across the roof.

Roof Membrane at Parapet Walls: Continue membrane up parapet walls, over the top and down the other side, lapping the wood nailers and the material below them by 1" minimum.

Elevation Datum Points: Datum points are to top of deck unless noted otherwise.

LEGEND - FLOOR PLAN

- CONCRETE PAD - 4" HIGH, VERIFY SIZE WITH MECHANICAL CONTRACTOR RE: MECHANICAL
- FEC — FIRE EXTINGUISHER + CABINET SEMI-RECESSED - SEE DETAIL B2 / G401
- ELECTRICAL WATER COOLER - SEE DETAIL C2 / G200 RE: PLUMBING
- MOP SINK WITH MOP & BROOM HOLDER - SEE DETAIL C4 / G200 RE: PLUMBING
- SLOPE OF FLOOR
- BR — BAT RACK
- HR — HAT RACK
- WOK — ADA LOCKER BENCH
- BENCH — BENCH
- WB — WALL-MOUNTED WHITEBOARD - SEE DETAIL A1 / G200
- 24" — LOCKER - SEE LOCKER TYPES & DETAILS

NOTE: PROVIDE ITEMS INDICATED IN THE LEGEND IN THE QUANTITIES SHOWN ON THE PLAN.

LEGEND - ROOF PLANS

- ROOF TYPE R-1 SINGLE-PLY MEMBRANE - SLOPE 1/4" PER FOOT MINIMUM, UNO
- CRICKETS: R-1 ROOF SYSTEM WITH TAPERED INSULATION - MAINTAIN 1/4" PER FOOT SLOPE AT CRICKET VALLEYS
- WALKWAY PAD - 30" MIN WIDTH - SEE DETAIL A2 / G402
- PRIMARY AND SECONDARY ROOF DRAINS - SEE DETAIL E5 / G402
- SLOPE OF ROOF
- ROOF HATCH - SEE DETAIL B1 / G402

KEYNOTES

NOTE 1 ELECTRICAL EQUIPMENT - SEE ELECTRICAL DRAWINGS

NOTE 2 MECHANICAL EQUIPMENT - SEE MECHANICAL DRAWINGS

MHTN ARCHITECTS
MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
www.mhtn.com

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PARK CITY, UT 84060

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LICENSED ARCHITECT

MHTN PROJECT NO. 2017559

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ISSUE
BID SET #1
MAY 12, 2025

SHEET NAME
FLOOR & ROOF PLANS - TREASURE SUPPORT

SHEET NUMBER
A101A

RETURN TO SHEET INDEX

GENERAL NOTES - FLOOR PLANS

References to sheets below are provided to aid in navigating the drawings.

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RE: G600 for typical details.

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GENERAL NOTES - ROOF PLANS

References to sheets below are provided to aid in navigating the drawings.

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LEGEND - FLOOR PLAN

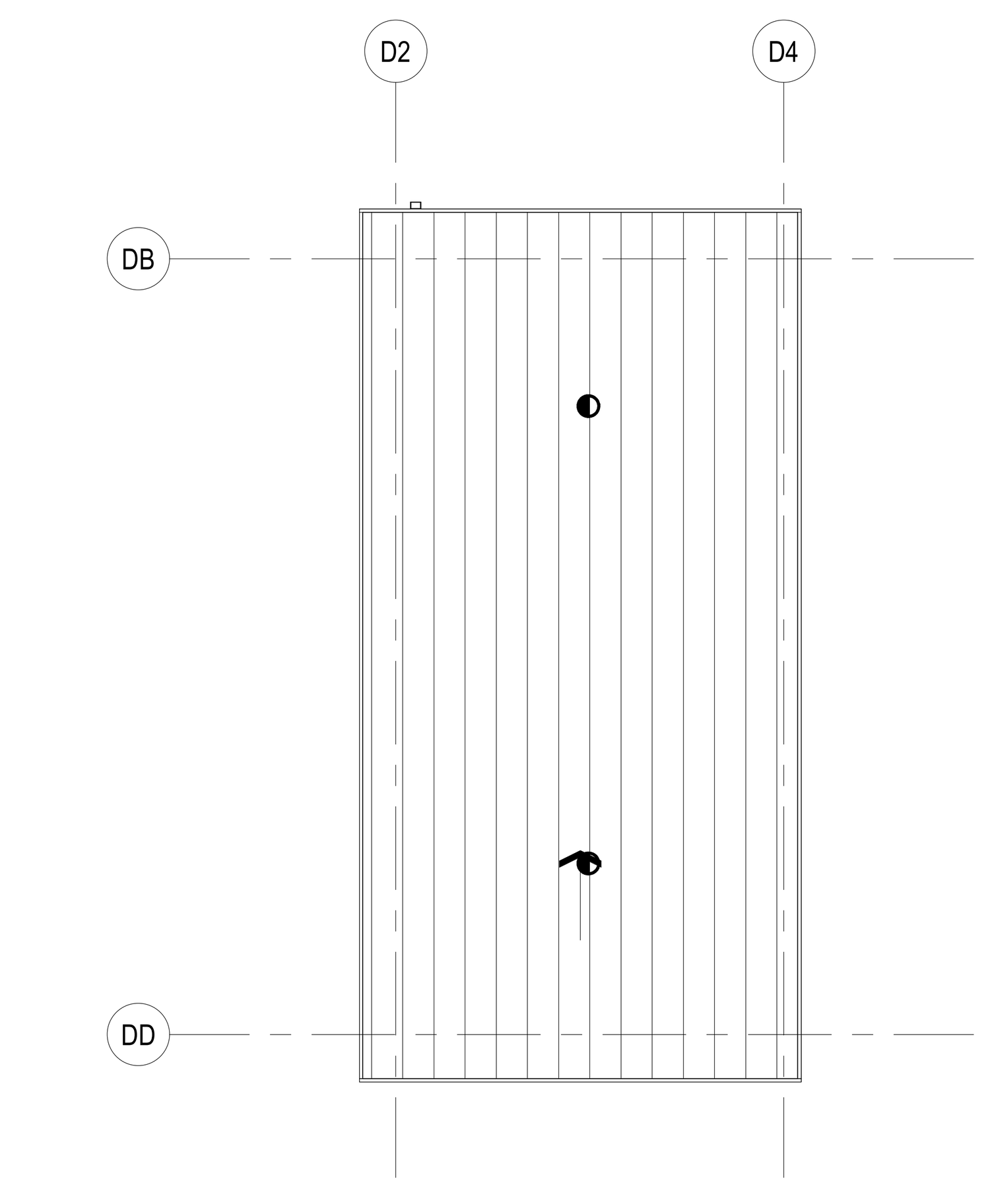
- CONCRETE PAD - 4" HIGH, VERIFY SIZE WITH MECHANICAL CONTRACTOR RE: MECHANICAL
- BENCH — BENCH
- WB — WALL-MOUNTED WHITEBOARD - SEE DETAIL A1 / G200
- FEC — FIRE EXTINGUISHER + CABINET SEMI-RECESSED - SEE DETAIL B2 / G401
- LOCKER - SEE LOCKER TYPES & DETAILS
- ELECTRICAL WATER COOLER - SEE DETAIL C2 / G200 RE: PLUMBING
- MOP SINK WITH MOP & BROOM HOLDER - SEE DETAIL C4 / G200 RE: PLUMBING
- SLOPE OF FLOOR
- BR — BAT RACK
- HR — HAT RACK
- ADA LOCKER BENCH

NOTE: PROVIDE ITEMS INDICATED IN THE LEGEND IN THE QUANTITIES SHOWN ON THE PLAN.

LEGEND - ROOF PLANS

- ROOF TYPE R-1 SINGLE-PLY MEMBRANE - SLOPE 1/4" PER FOOT MINIMUM, UNO
- PRIMARY AND SECONDARY ROOF DRAINS - SEE DETAIL E5 / G402
- SLOPE OF ROOF
- ROOF HATCH - SEE DETAIL B1 / G402
- CRICKETS: R-1 ROOF SYSTEM WITH TAPERED INSULATION - MAINTAIN 1/4" PER FOOT SLOPE AT CRICKET VALLEYS
- WALKWAY PAD - 30" MIN WIDTH - SEE DETAIL A2 / G402

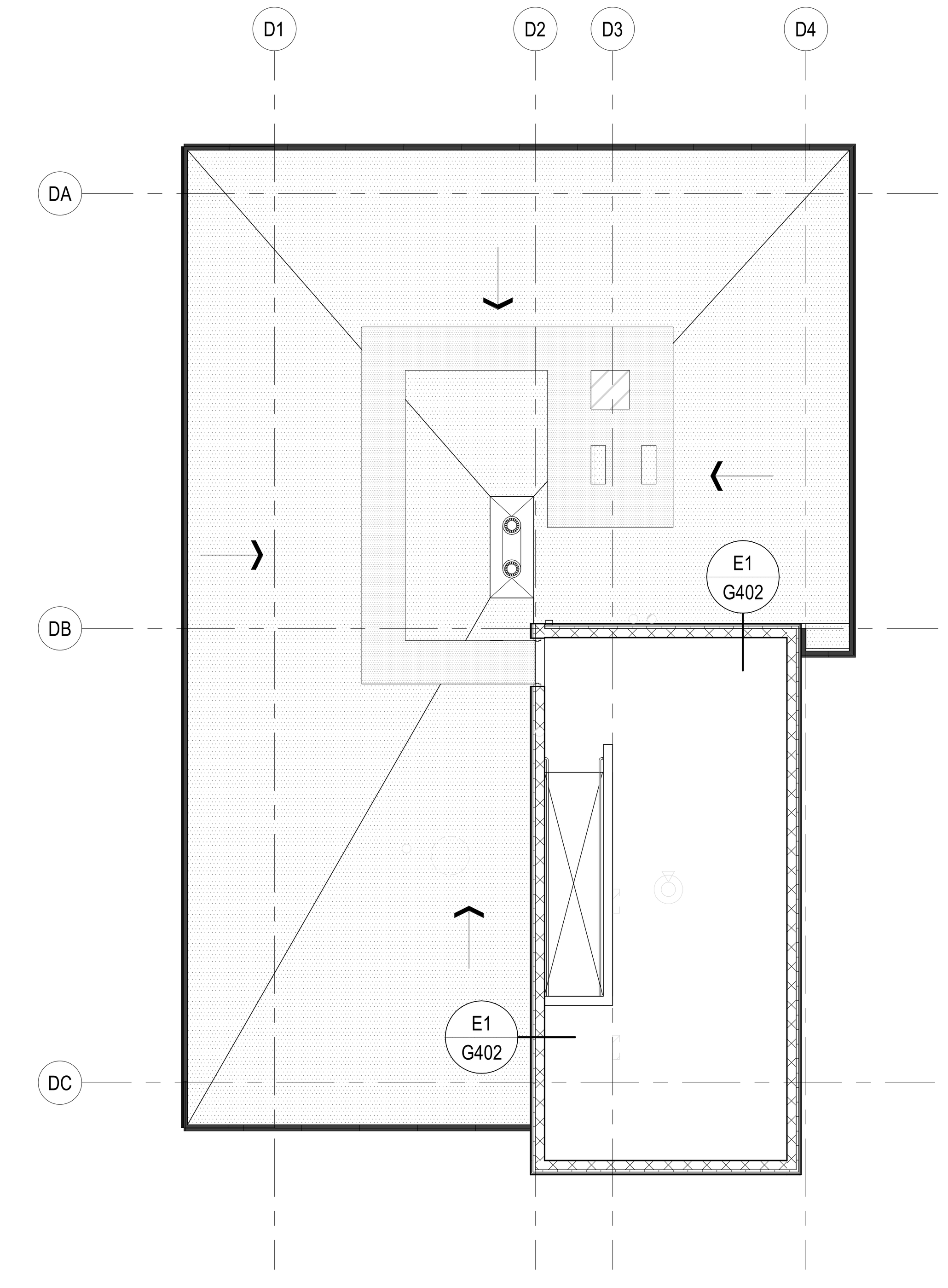
KEYNOTES



UPPER ROOF PLAN

SCALE: 1/8" = 1'-0"

0 4' - 0" 8' - 0" 16' - 0"



ROOF PLAN

SCALE: 1/8" = 1'-0"

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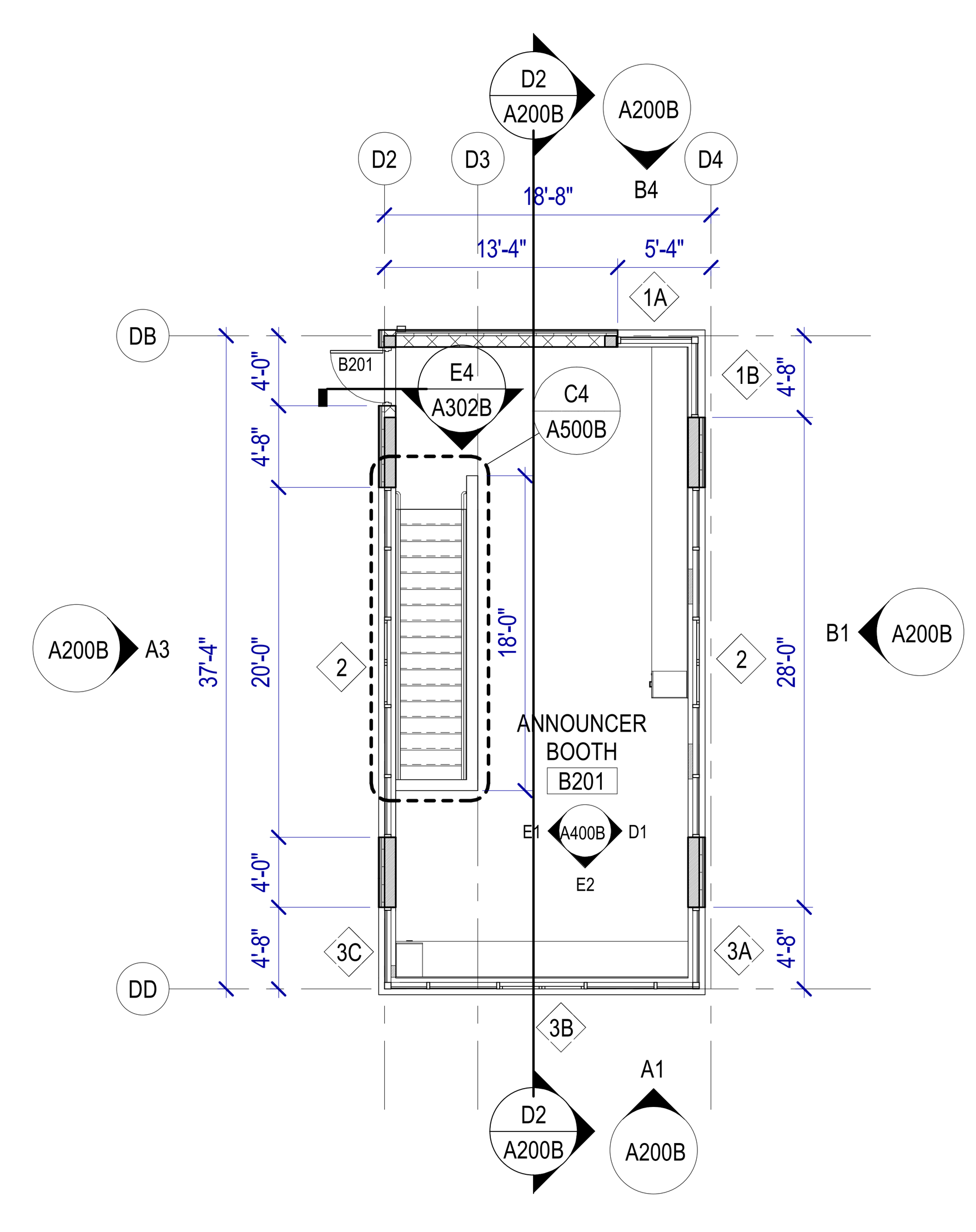
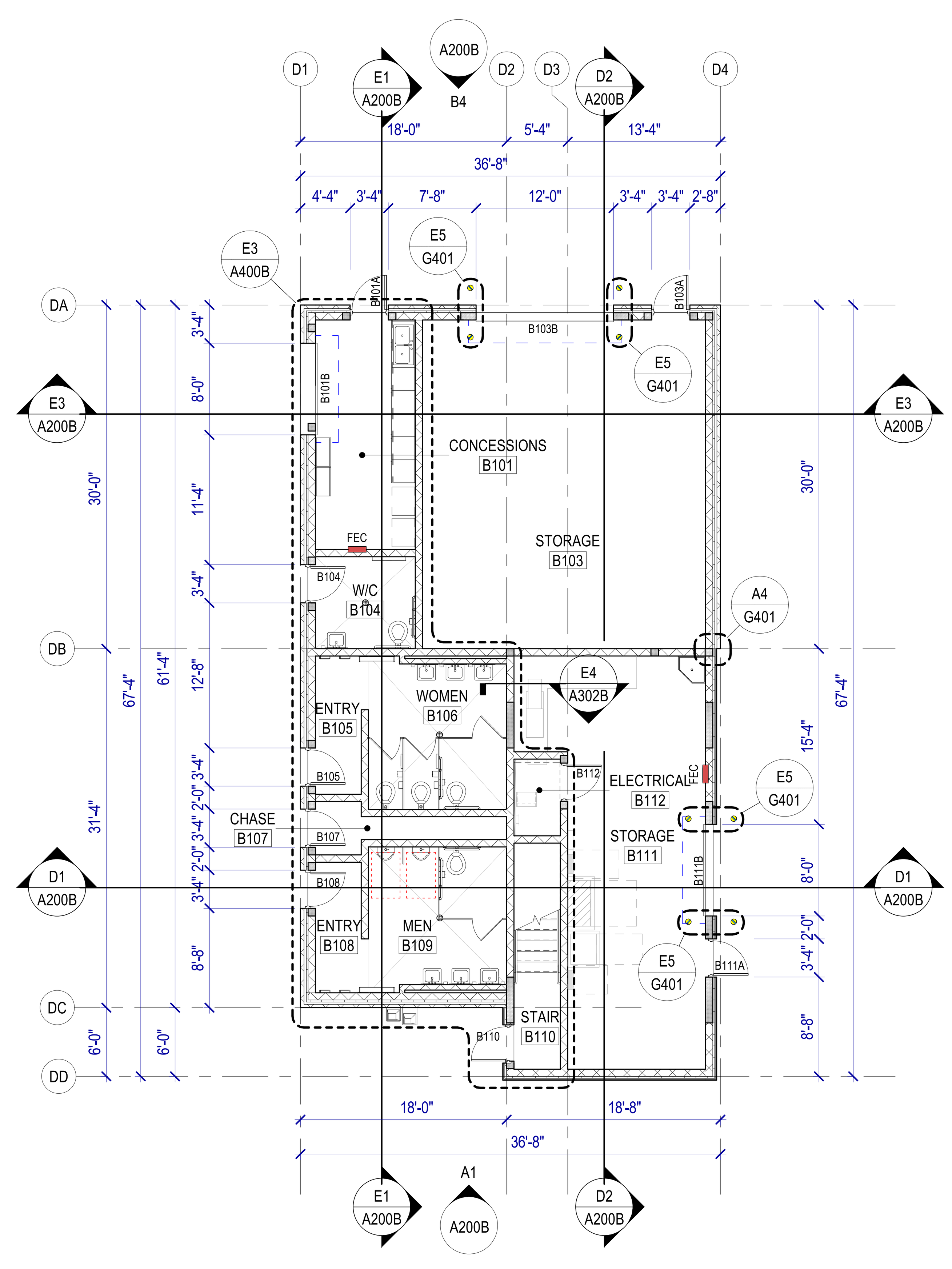


SECOND FLOOR PLAN

SCALE: 1/8" = 1'-0"

0 4' - 0" 8' - 0" 16' - 0"



FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"

0 2' - 0" 4' - 0" 8' - 0"

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280 South 400 West, Suite 250
Salt Lake City, Utah 84101
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1750 KEARNS BLVD
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MHTN PROJECT NO 2017559

VIEW AND PRINT THIS DRAWING IN COLOR

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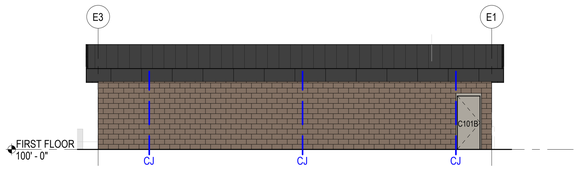
MAY 12, 2025

SHEET NAME
FLOOR & ROOF PLANS - PRESS BOX

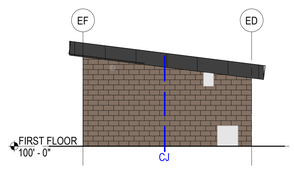
SHEET NUMBER
A101B

RETURN TO SHEET INDEX



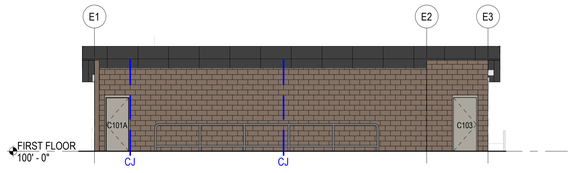
A1 EXTERIOR ELEVATION - BACK

SCALE: 1/8" = 1'-0"



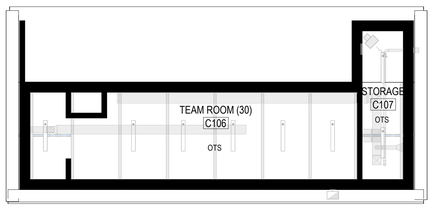
B1 EXTERIOR ELEVATION - SIDE

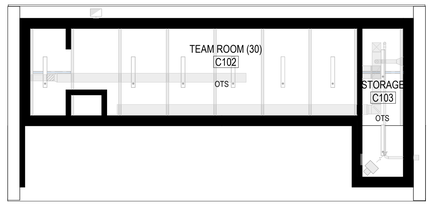
SCALE: 1/8" = 1'-0"



B2 EXTERIOR ELEVATION - FRONT

SCALE: 1/8" = 1'-0"

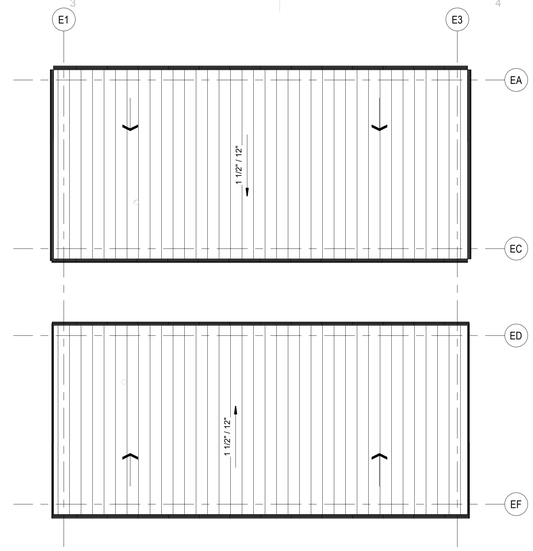




REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"

0 4' - 0" 8' - 0" 16' - 0"



ROOF PLAN

SCALE: 1/8" = 1'-0"

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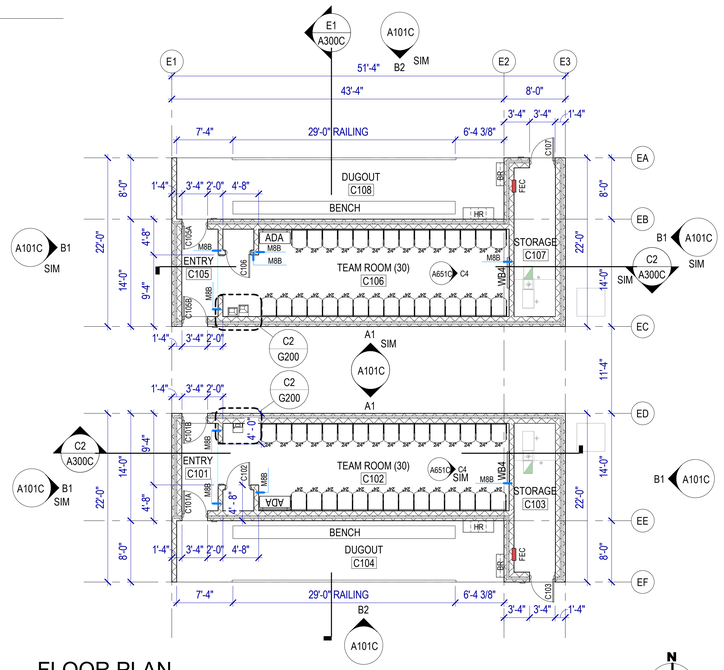

FLOOR PLAN

SCALE: 1/8" = 1'-0"

0 4' - 0" 8' - 0" 16' - 0"

LEGEND - FLOOR PLAN

- CONCRETE PAD - 4" HIGH, VERIFY SIZE WITH MECHANICAL CONTRACTOR RE: MECHANICAL
- FEC — FIRE EXTINGUISHER + CABINET SEMI-RECESSED - SEE DETAIL B2 / G401
- ELECTRICAL WATER COOLER - SEE DETAIL C2 / G200 RE: PLUMBING
- MOP SINK WITH MOP & BROOM HOLDER - SEE DETAIL C4 / G200 RE: PLUMBING
- SLOPE OF FLOOR
- BR — BAT RACK
- HR — HAT RACK
- ADA — ADA LOCKER BENCH
- BENCH — BENCH
- WB — WALL-MOUNTED WHITEBOARD - SEE DETAIL A1 / G200
- 24" — LOCKER - SEE LOCKER TYPES & DETAILS

NOTE: PROVIDE ITEMS INDICATED IN THE LEGEND IN THE QUANTITIES SHOWN ON THE PLAN.

LEGEND - ROOF PLANS

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- WALKWAY PAD - 30" MIN WIDTH - SEE DETAIL A2 / G402
- PRIMARY AND SECONDARY ROOF DRAINS - SEE DETAIL E5 / G402
- SLOPE OF ROOF
- ROOF HATCH - SEE DETAIL B1 / G402

LEGEND - REFLECTED CEILING PLANS

- ACP1 - 24" X 48" ACOUSTICAL CEILING PANEL
- GB1 - EPOXY PAINTED GYPSUM BOARD
- 22 GAUGE 1/2" CORRUGATED PANEL BASIS OF DESIGN: FABRAL COLONIAL RED
- LIGHT FIXTURES SEE ELECTRICAL
- MANUAL ROLLER SHADE
- MECHANICAL DIFFUSERS - SEE MECHANICAL
- OTS — OPEN TO STRUCTURE
- OTSP — OPEN TO STRUCTURE - PAINTED

LEGEND - EXTERIOR ELEVATION

- VISION GLASS
- FORMED METAL WALL PANEL BOX RIB HCF BASIS OF DESIGN: FABRAL CHARCOAL
- FORMED METAL WALL PANEL BOX RIB HCF BASIS OF DESIGN: FABRAL COLONIAL RED
- METAL COMPOSITE MATERIAL - CHARCOAL
- **MASONRY TYPE 1** - CMU (HONED) - RUNNING BOND BASIS OF DESIGN: SUNROC SAGE
- STEEL PIPE BOLLARD - SEE DETAIL D5 / G401
- ELECTRICAL WATER COOLER - SEE DETAIL C2 / G200 RE: PLUMBING
- CJ — CONTROL JOINT - SEE DETAIL A5 / G401

GENERAL NOTES - FLOOR PLANS

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RE: G600 for typical details.

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Keynotes: Not all keynotes apply to this sheet.

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RE: Plumbing drawings for pipe vent quantities and locations. Provide flashing per roof and plumbing details.

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Slope: Provide ¼" per foot minimum slope across the roof.

Roof Membrane at Parapet Walls: Continue membrane up parapet walls, over the top and down the other side, lapping the wood nailers and the material below them by 1" minimum.

Elevation Datum Points: Datum points are to top of deck unless noted otherwise.

GENERAL NOTES - REFLECTED CEILING PLANS

RE: G700 for typical suspended ceiling details, including seismic bracing.

Ceiling Height: 9'-0" UNO. Where floor height varies in a room, ceiling height is shown at the entry to the room, UNO.

Ceiling Grid/Panel Alignment: The design intent of the Reflected Ceiling Plans is center ceiling grids or acoustical panels between walls in both directions, or to center grids in one direction, panels in the other. If the grid does not comply with the design intent, then coordinate with Architect to adjust the ceiling layout prior to installation.

Seismic Design Category: D: Heavy-duty suspension system required / Refer to Structural / Refer to Specifications.

Seismic Bracing: Rigid bracing required at ceilings over 1,000 SF and at all ceilings with fire sprinklers and other penetrations.

Seismic Control Joints: Provide seismic control joints in suspended acoustical ceilings greater than 2,500 SF.

Control Joints: Provide control joints in gypsum board ceilings at 30'-0" max spacing. Coordinate locations with Architect to align joints with other elements in the ceilings or on the walls.

Exposed Elements: Paint exposed structure, pipe, conduit and HVAC duct at open ceilings and at open areas around ceiling clouds. Color: PT1, see G610.

Walls to Deck: Extend all walls to deck, including all components of the wall assembly, UNO.

GENERAL NOTES - EXTERIOR ELEVATIONS

Exterior Finishes: Provide exterior finishes, continuous until a transition is indicated. Provide on all similar elements, and on surfaces not shown in elevation such as back sides of piers, columns and other surfaces that may not be visible in the elevation view.

Lighting: Coordinate wall and soffit mounted lighting locations with Electrical drawings and with the Architect prior to rough-in.

Metal Panel Joints: Coordinate metal panel joints to align with adjacent vertical and horizontal mullions on storefronts and other metal panel finishes.

KEYNOTES

MHTN ARCHITECTS
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MAY 12, 2025

SHEET NAME
FLOOR PLANS & EXT ELEVATIONS - TEAM ROOM/ DUGOUT

SHEET NUMBER
A101C

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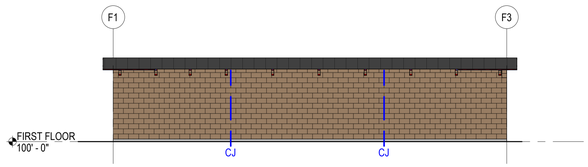
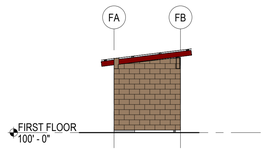
5/12/2025 11:27:29 AM



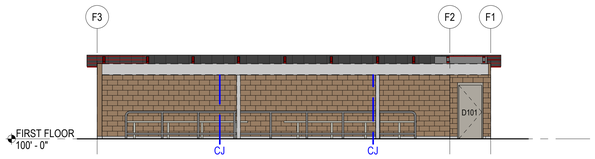
A1 EXTERIOR ELEVATION - BACK

SCALE: 1/8" = 1'-0"



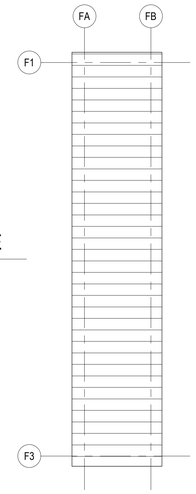
A2 EXTERIOR ELEVATION - SIDE

SCALE: 1/8" = 1'-0"



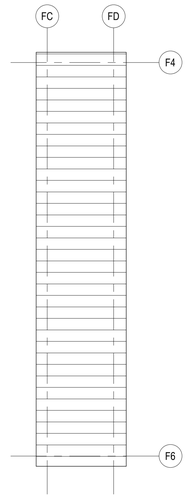
B1 EXTERIOR ELEVATION - FRONT

SCALE: 1/8" = 1'-0"



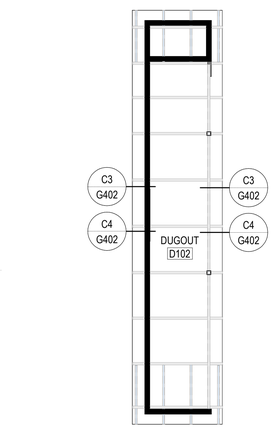
ROOF PLAN - DUGOUT 1

SCALE: 1/8" = 1'-0"



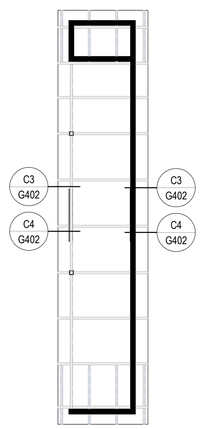
ROOF PLAN - DUGOUT 2

SCALE: 1/8" = 1'-0"



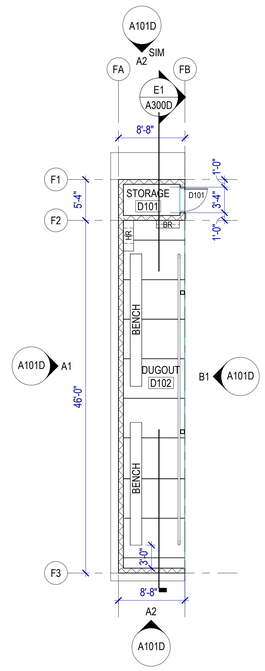
RCP - DUGOUT 1

SCALE: 1/8" = 1'-0"



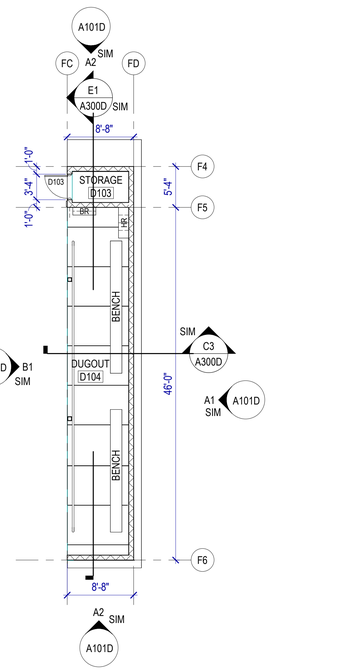
RCP - DUGOUT 2

SCALE: 1/8" = 1'-0"



FLOOR PLAN - DUGOUT 1

SCALE: 1/8" = 1'-0"



FLOOR PLAN, DUGOUT 2

SCALE: 1/8" = 1'-0"

LEGEND - FLOOR PLAN

- CONCRETE PAD - 4" HIGH, VERIFY SIZE WITH MECHANICAL CONTRACTOR RE: MECHANICAL
- FEC — FIRE EXTINGUISHER + CABINET SEMI-RECESSED - SEE DETAIL B2 / G401
- ELECTRICAL WATER COOLER - SEE DETAIL C2 / G200 RE: PLUMBING
- MOP SINK WITH MOP & BROOM HOLDER - SEE DETAIL C4 / G200 RE: PLUMBING
- SLOPE OF FLOOR
- BR — BAT RACK
- HR — HAT RACK
- W/OW — ADA LOCKER BENCH
- BENCH — BENCH
- WB — WALL-MOUNTED WHITEBOARD - SEE DETAIL A1 / G200
- 24" — LOCKER - SEE LOCKER TYPES & DETAILS

NOTE: PROVIDE ITEMS INDICATED IN THE LEGEND IN THE QUANTITIES SHOWN ON THE PLAN.

LEGEND - ROOF PLANS

- ROOF TYPE R-1 SINGLE-PLY MEMBRANE - SLOPE 1/4" PER FOOT MINIMUM, UNO
- CRICKETS: R-1 ROOF SYSTEM WITH TAPERED INSULATION - MAINTAIN 1/4" PER FOOT SLOPE AT CRICKET VALLEYS
- WALKWAY PAD - 30" MIN WIDTH - SEE DETAIL A2 / G402
- PRIMARY AND SECONDARY ROOF DRAINS - SEE DETAIL E5 / G402
- SLOPE OF ROOF
- ROOF HATCH - SEE DETAIL B1 / G402

LEGEND - REFLECTED CEILING PLANS

- ACP1 - 24" X 48" ACOUSTICAL CEILING PANEL
- GB1 - EPOXY PAINTED GYPSUM BOARD
- 22 GAUGE 1/2" CORRUGATED PANEL BASIS OF DESIGN: FABRAL COLONIAL RED
- LIGHT FIXTURES SEE ELECTRICAL
- MANUAL ROLLER SHADE
- MECHANICAL DIFFUSERS - SEE MECHANICAL
- OTS — OPEN TO STRUCTURE
- OTSP — OPEN TO STRUCTURE - PAINTED

LEGEND - EXTERIOR ELEVATION

- VISION GLASS
- FORMED METAL WALL PANEL BOX RIB HCF BASIS OF DESIGN: FABRAL CHARCOAL
- FORMED METAL WALL PANEL BOX RIB HCF BASIS OF DESIGN: FABRAL COLONIAL RED
- METAL COMPOSITE MATERIAL - CHARCOAL
- **MASONRY TYPE 1** - CMU (HONED) - RUNNING BOND BASIS OF DESIGN: SUNROC SAGE
- STEEL PIPE BOLLARD - SEE DETAIL D5 / G401
- ELECTRICAL WATER COOLER - SEE DETAIL C2 / G200 RE: PLUMBING
- CJ — CONTROL JOINT - SEE DETAIL A5 / G401

GENERAL NOTES - FLOOR PLANS

References to sheets below are provided to aid in navigating the drawings.

RE: G200 & G201 for Fixture Mounting Heights.

RE: G400 for Floor, Roof, and Wall Types.

RE: G600 for typical details.

RE: Structural for slab recesses.

RE: Structural for concrete scoring, except where decorative scoring is shown.

Rated Construction: Provide as shown on the plans, the Life Safety Plans and elsewhere in the documents. Seal penetrations with systems applicable to the application and that have UL or other testing agency certifications.

Keynotes: Not all keynotes apply to this sheet.

GENERAL NOTES - ROOF PLANS

References to sheets below are provided to aid in navigating the drawings.

RE: G400 for Roof Types.

RE: Plumbing drawings for pipe vent quantities and locations. Provide flashing per roof and plumbing details.

Crickets: Provide crickets at roof top mechanical units, roof access hatches and other similar conditions for positive drainage.

Roof Deck Limitations: Do not use the steel roof deck to support loads from plumbing, HVAC ducts, light fixtures, architectural elements or equipment of any kind, UNO. Lightweight suspended acoustical ceilings with a total weight per wire not exceeding 50 pounds may be hung from the steel roof deck. Stagger the hangers to distribute the load over multiple deck flutes.

Roof Insulation: Provide R-30 minimum, unless noted otherwise.

Walkway Pads: Provide walkway pads as shown, and if not shown, provide pads from all points of roof access (ladders, doors, access hatches) to mechanical equipment, roof drains, and all other rooftop equipment. Adjust pathways as required to miss penetrations and rooftop equipment that may not be shown on the roof plan.

Slope: Provide ¼" per foot minimum slope across the roof.

Roof Membrane at Parapet Walls: Continue membrane up parapet walls, over the top and down the other side, lapping the wood nailers and the material below them by 1" minimum.

Elevation Datum Points: Datum points are to top of deck unless noted otherwise.

GENERAL NOTES - REFLECTED CEILING PLANS

RE: G700 for typical suspended ceiling details, including seismic bracing.

Ceiling Height: 9'-0" UNO. Where floor height varies in a room, ceiling height is shown at the entry to the room, UNO.

Ceiling Grid/Panel Alignment: The design intent of the Reflected Ceiling Plans is center ceiling grids or acoustical panels between walls in both directions, or to center grids in one direction, panels in the other. If the grid does not comply with the design intent, then coordinate with Architect to adjust the ceiling layout prior to installation.

Seismic Design Category: D: Heavy-duty suspension system required / Refer to Structural / Refer to Specifications.

Seismic Bracing: Rigid bracing required at ceilings over 1,000 SF and at all ceilings with fire sprinklers and other penetrations.

Seismic Control Joints: Provide seismic control joints in suspended acoustical ceilings greater than 2,500 SF.

Control Joints: Provide control joints in gypsum board ceilings at 30'-0" max spacing. Coordinate locations with Architect to align joints with other elements in the ceilings or on the walls.

Exposed Elements: Paint exposed structure, pipe, conduit and HVAC duct at open ceilings and at open areas around ceiling clouds. Color: PT1, see G610.

Walls to Deck: Extend all walls to deck, including all components of the wall assembly, UNO.

GENERAL NOTES - EXTERIOR ELEVATIONS

Exterior Finishes: Provide exterior finishes, continuous until a transition is indicated. Provide on all similar elements, and on surfaces not shown in elevation such as back sides of piers, columns and other surfaces that may not be visible in the elevation view.

Lighting: Coordinate wall and soffit mounted lighting locations with Electrical drawings and with the Architect prior to rough-in.

Metal Panel Joints: Coordinate metal panel joints to align with adjacent vertical and horizontal mullions on storefronts and other metal panel finishes.

KEYNOTES

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MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
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TREASURE MOUNTAIN SPORTS COMPLEX

1750 KEARNS BLVD
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5/14/25
LICENSED ARCHITECT

MHTN PROJECT NO. 2017559

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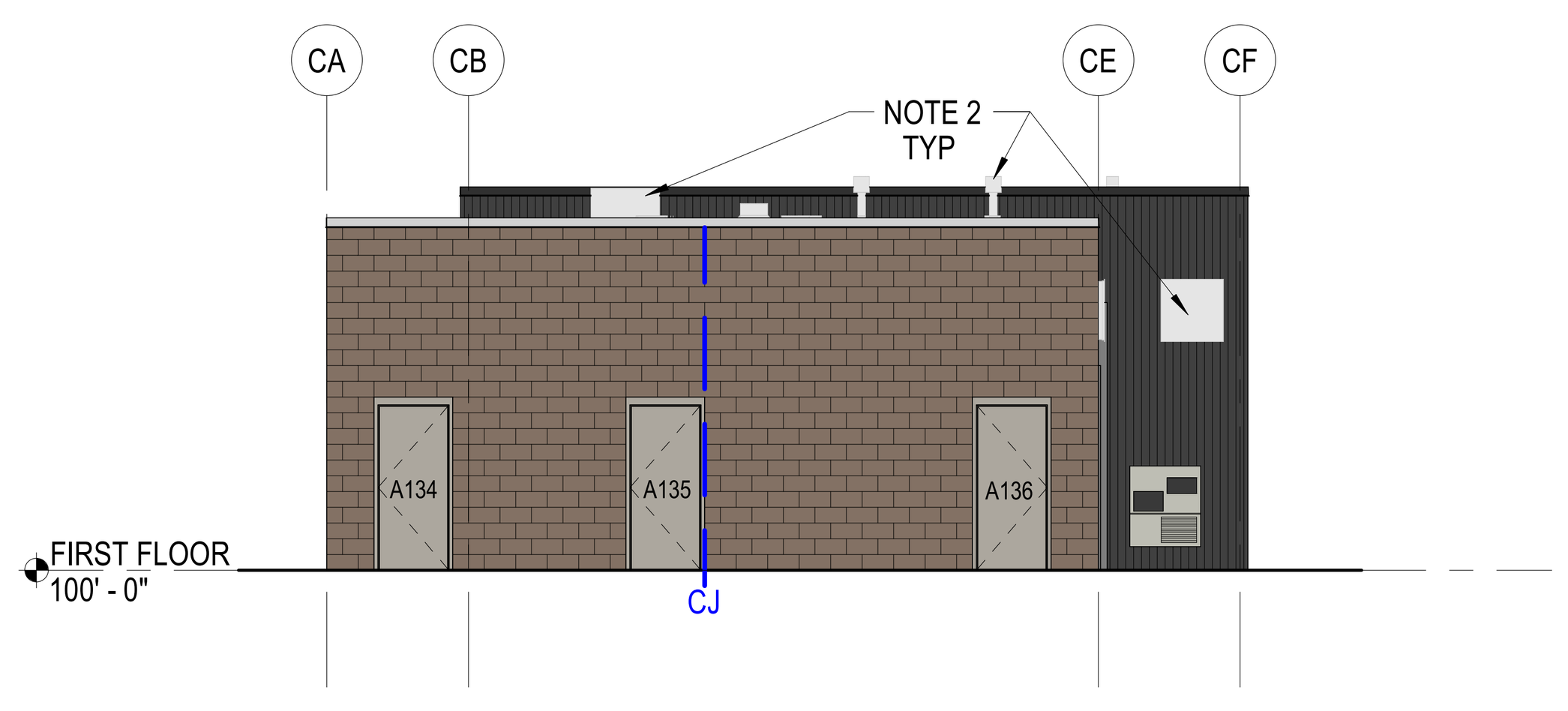
BID SET #1
MAY 12, 2025

SHEET NAME
FLOOR PLANS & ELEVATIONS - DUGOUT

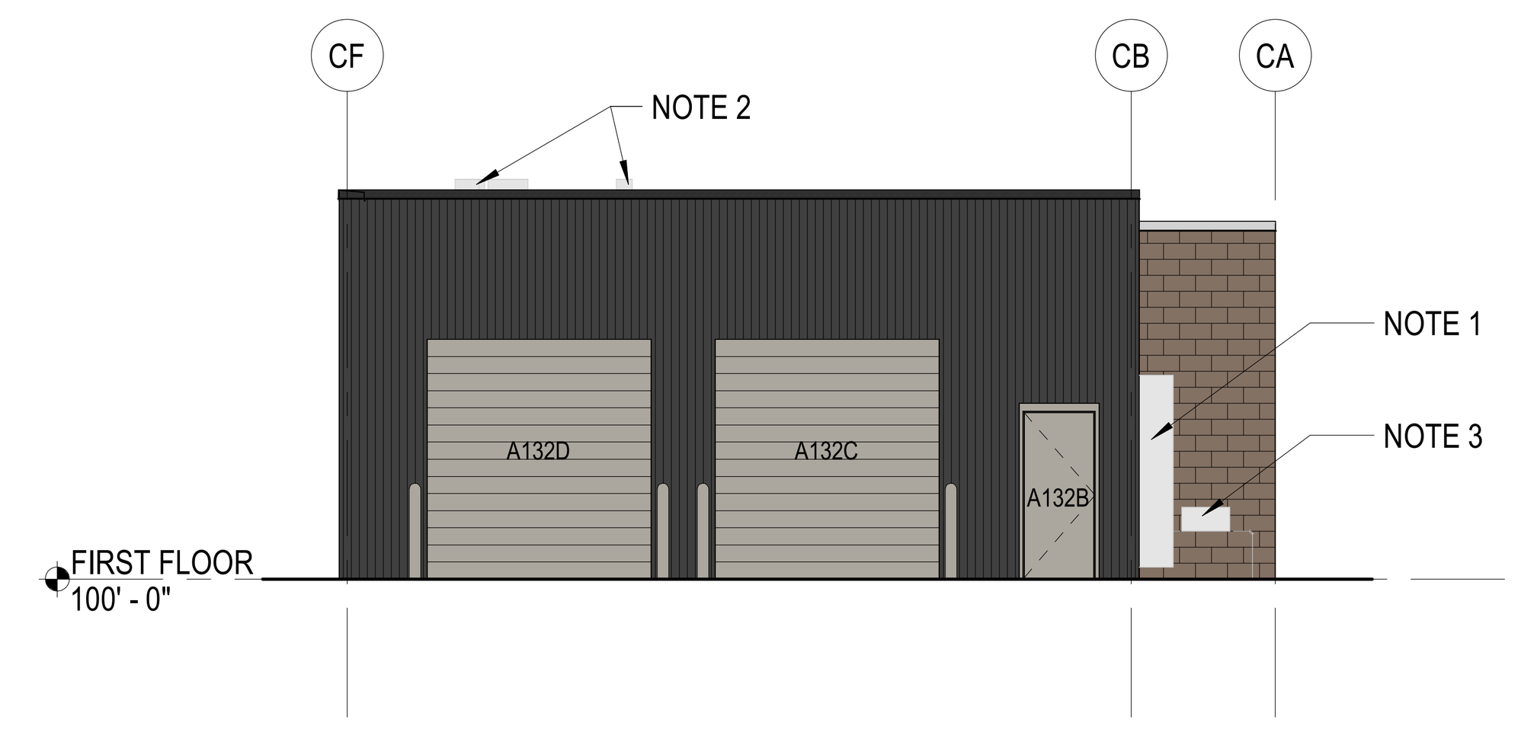
SHEET NUMBER
A101D

RETURN TO SHEET INDEX



A2 EXTERIOR ELEVATION - WEST

SCALE: 1/8" = 1'-0"



A4 EXTERIOR ELEVATION - EAST

SCALE: 1/8" = 1'-0"

GENERAL NOTES - EXTERIOR ELEVATIONS

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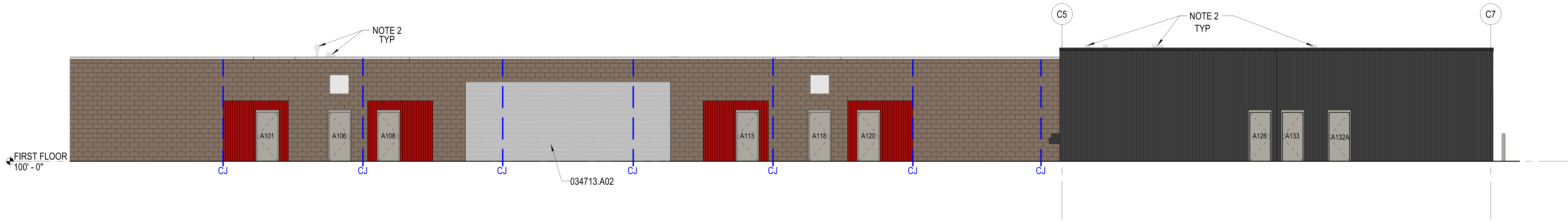
LEGEND - EXTERIOR ELEVATION

- VISION GLASS
- **MASONRY TYPE 1** - CMU (HONED) - RUNNING BOND BASIS OF DESIGN: SUNROC SAGE
- FORMED METAL WALL PANEL BOX RIB HCF BASIS OF DESIGN: FABRAL CHARCOAL
- STEEL PIPE BOLLARD - SEE DETAIL D5 / G401
- FORMED METAL WALL PANEL BOX RIB HCF BASIS OF DESIGN: FABRAL COLONIAL RED
- ELECTRICAL WATER COOLER - SEE DETAIL C2 / G200 RE: PLUMBING
- METAL COMPOSITE MATERIAL - CHARCOAL
- CJ CONTROL JOINT - SEE DETAIL A5 / G401

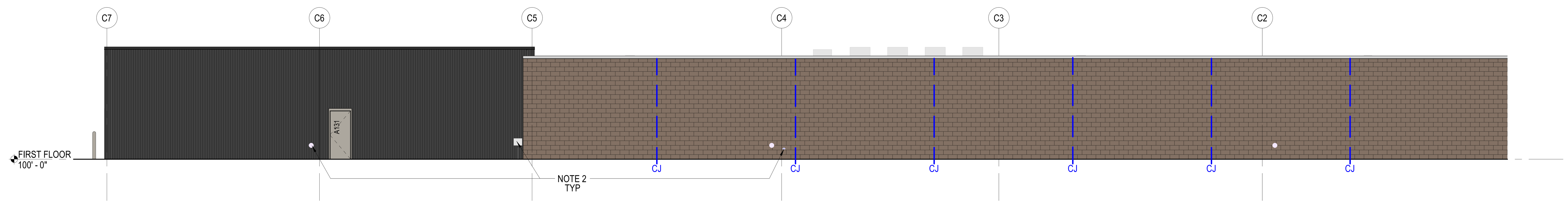


B1 EXTERIOR ELEVATION - SOUTH

SCALE: 1/8" = 1'-0"

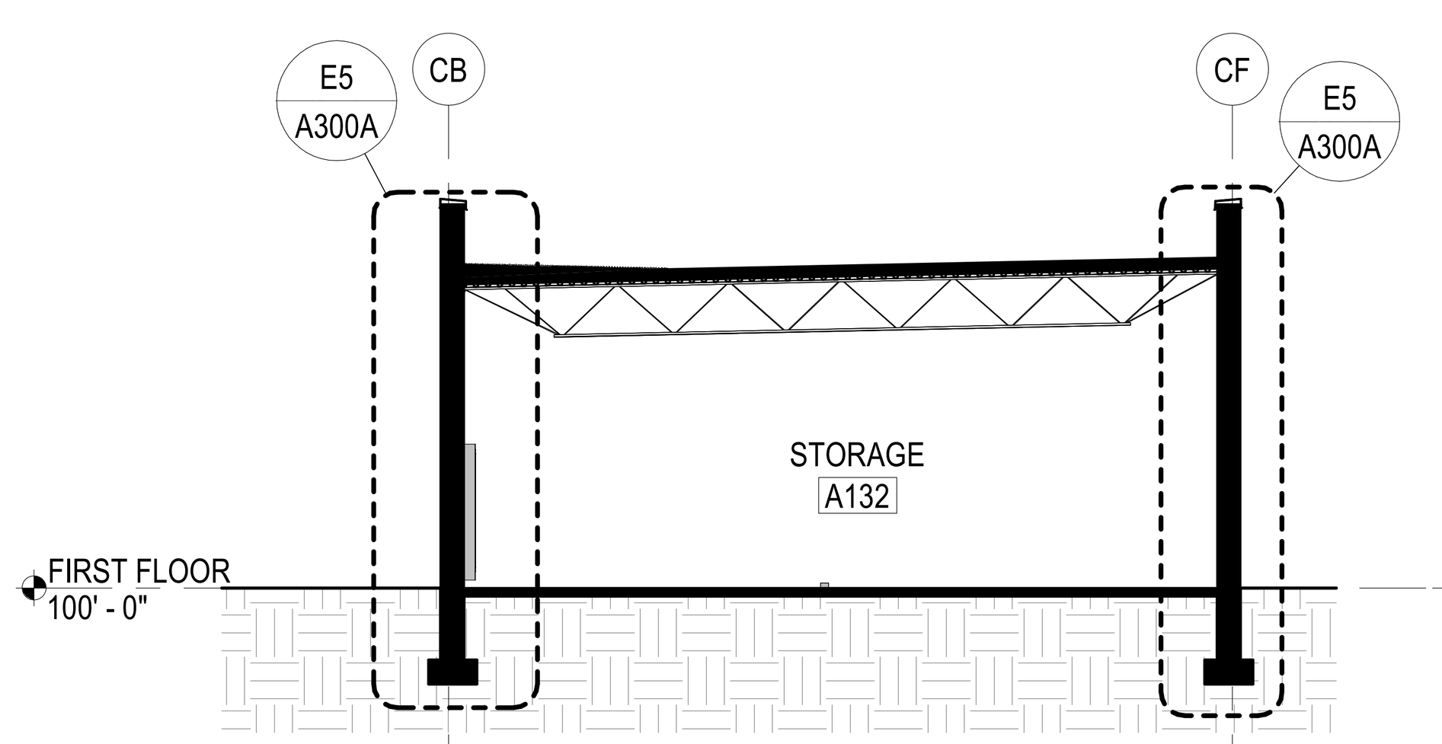
KEYNOTES

034713.A02	FORM LINER TILT-UP CONCRETE WALL
NOTE 1	ELECTRICAL EQUIPMENT - SEE ELECTRICAL DRAWINGS
NOTE 2	MECHANICAL EQUIPMENT - SEE MECHANICAL DRAWINGS
NOTE 3	PLUMBING EQUIPMENT - SEE PLUMBING DRAWINGS



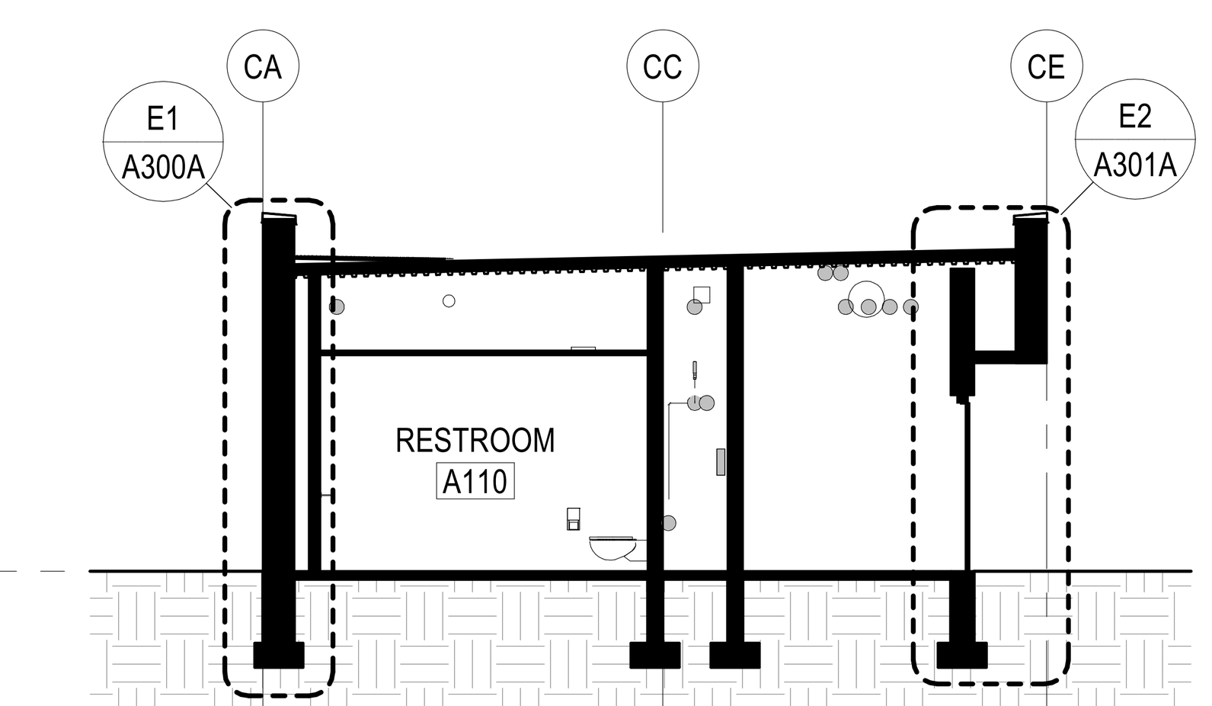
C1 EXTERIOR ELEVATION - NORTH

SCALE: 1/8" = 1'-0"



D1 BUILDING SECTION

SCALE: 1/8" = 1'-0"



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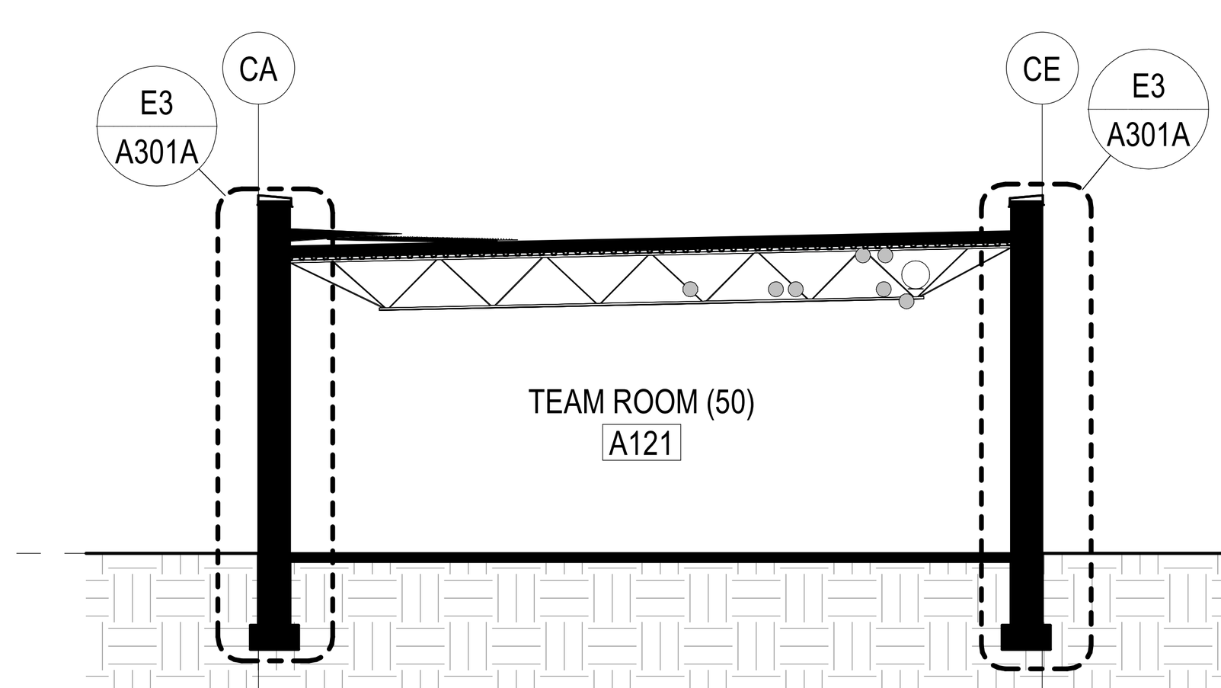

D3 BUILDING SECTION

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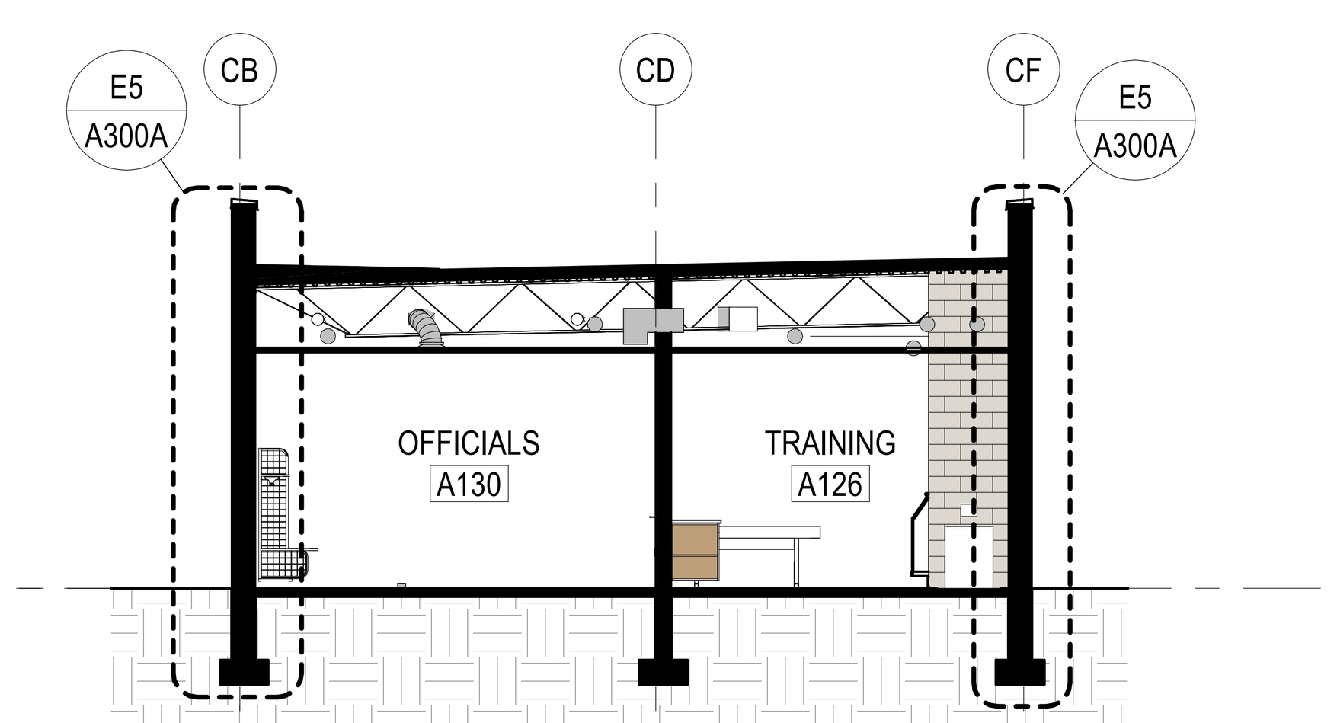

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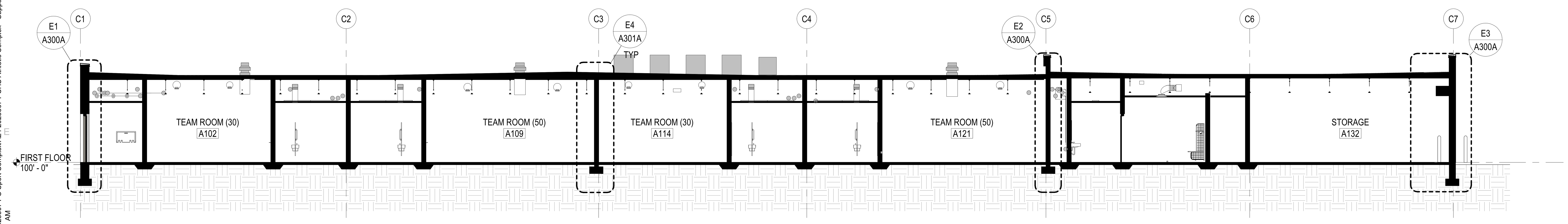

E1 BUILDING SECTION

SCALE: 1/8" = 1'-0"

Autodesk Docs://2025507 PC Sport Complex/A24 2025507 PCHS Athletic Complex - Support Buildings.rvt
5/12/2025 11:27:51 AM

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Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
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PARK CITY, UT 84060

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STATE OF UTAH
SCOTT LATER
No. 7919245-0301
LICENSED ARCHITECT

MHTN PROJECT NO 2017559

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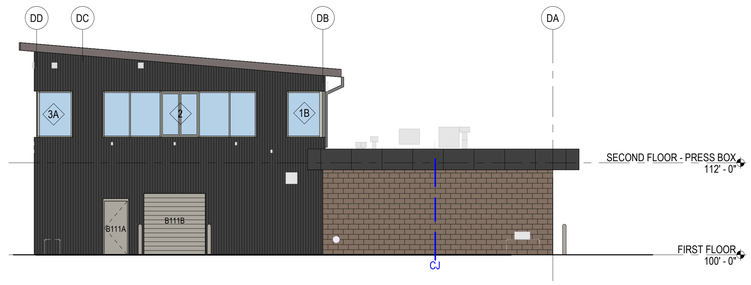
SHEET NUMBER
A200A

RETURN TO SHEET INDEX

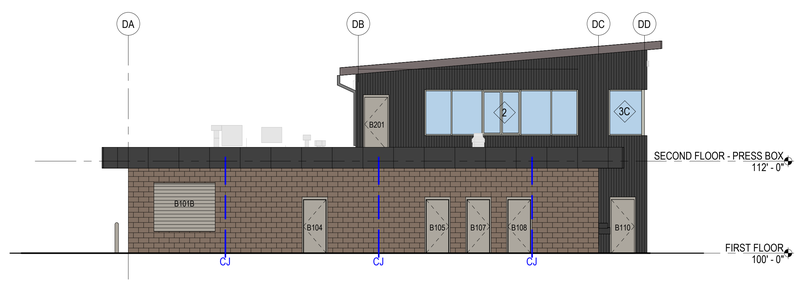
A1 EXTERIOR ELEVATION - SOUTH

SCALE: 1/8" = 1'-0"



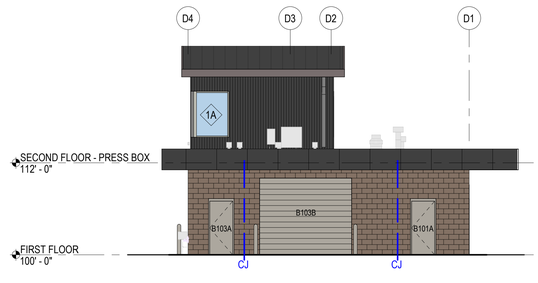
B1 EXTERIOR ELEVATION - EAST

SCALE: 1/8" = 1'-0"



A3 EXTERIOR ELEVATION - WEST

SCALE: 1/8" = 1'-0"



B4 EXTERIOR ELEVATION - NORTH

SCALE: 1/8" = 1'-0"

GENERAL NOTES - EXTERIOR ELEVATIONS

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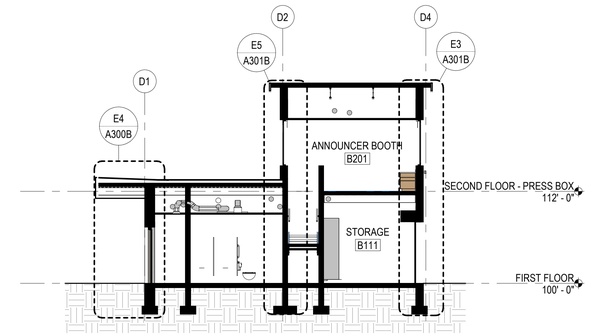
LEGEND - EXTERIOR ELEVATION

- VISION GLASS
- FORMED METAL WALL PANEL BOX RIB HCF BASIS OF DESIGN: FABRAL CHARCOAL
- FORMED METAL WALL PANEL BOX RIB HCF BASIS OF DESIGN: FABRAL COLONIAL RED
- METAL COMPOSITE MATERIAL - CHARCOAL
- **MASONRY TYPE 1** - CMU (HONED) - RUNNING BOND BASIS OF DESIGN: SUNROC SAGE
- STEEL PIPE BOLLARD - SEE DETAIL D5 / G401
- ELECTRICAL WATER COOLER - SEE DETAIL C2 / G200 RE: PLUMBING
- CONTROL JOINT - SEE DETAIL A5 / G401 (CJ)

KEYNOTES



D1 BUILDING SECTION

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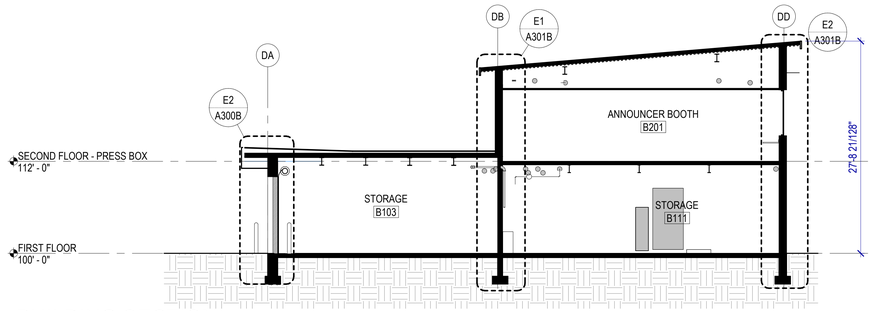

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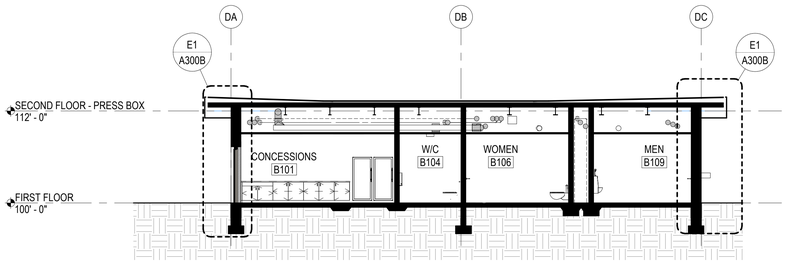

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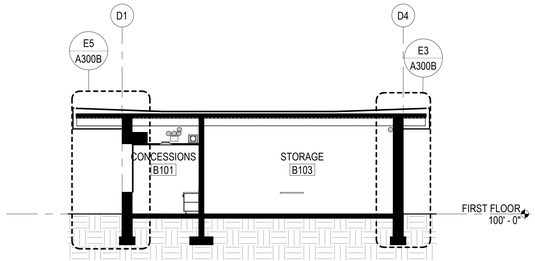

E3 BUILDING SECTION

SCALE: 1/8" = 1'-0"

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280 South 400 West, Suite 250
Salt Lake City, Utah 84101
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Telefax (801) 595-6717
www.mhtn.com

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A200B

RETURN TO SHEET INDEX

GENERAL NOTES - SECTIONS

References to sheets below are provided to aid in navigating the drawings.

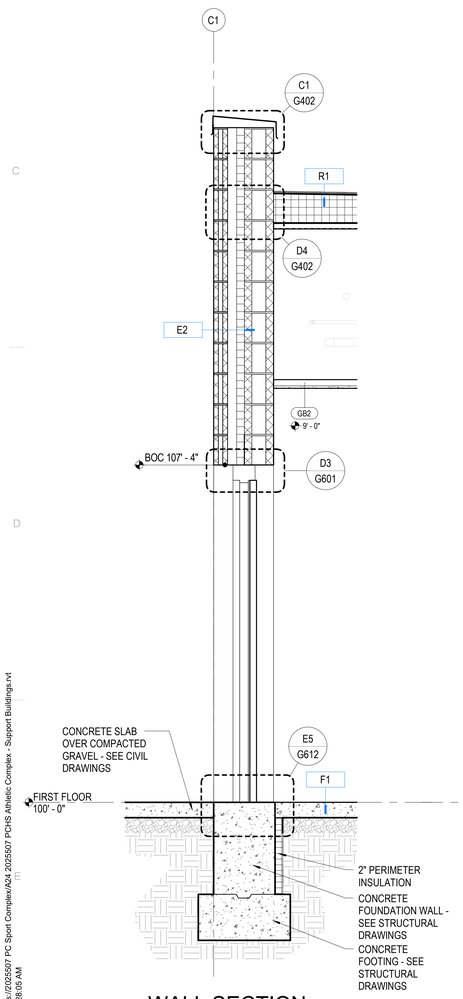
RE: G400 for Exterior Wall, Floor and Roof Types.

RE: Structural for concrete slab on grade thickness.

Air Barrier: Seal penetrations through the air barrier per manufacturer's details.

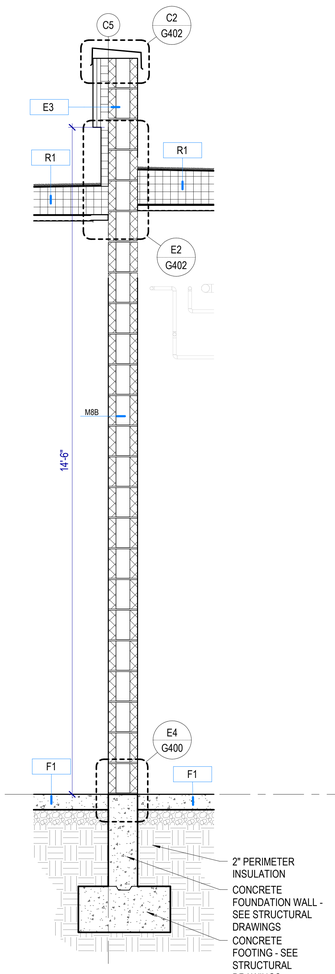
Spray-Applied Fireproofing: Where spray-applied fireproofing is removed for attachment of walls, hangers, clip angles, etc., re-apply the fireproofing material to re-establish the required level of protection.

KEYNOTES



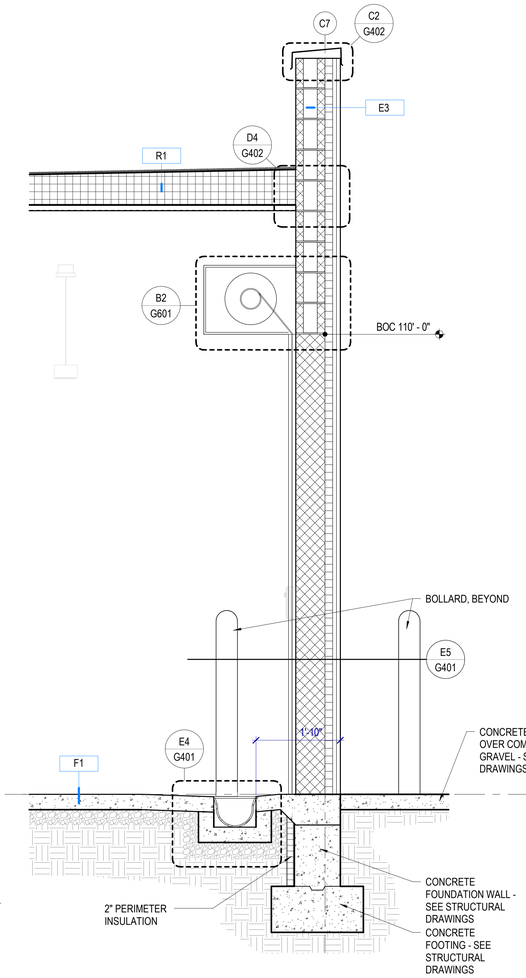
E1 WALL SECTION

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



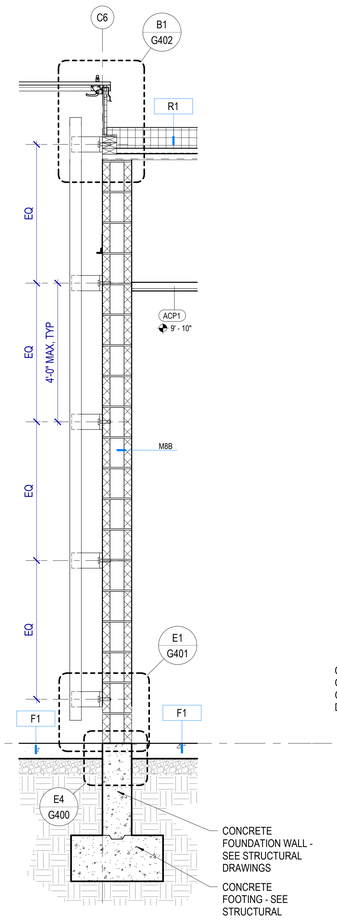
E2 WALL SECTION

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



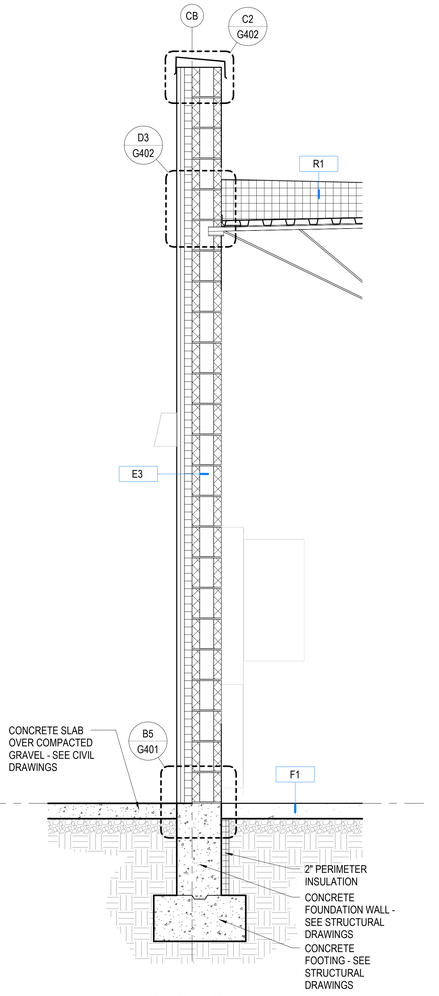
E3 WALL SECTION

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



C2 WALL SECTION

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



E5 WALL SECTION

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

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SHEET NUMBER
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RETURN TO SHEET INDEX

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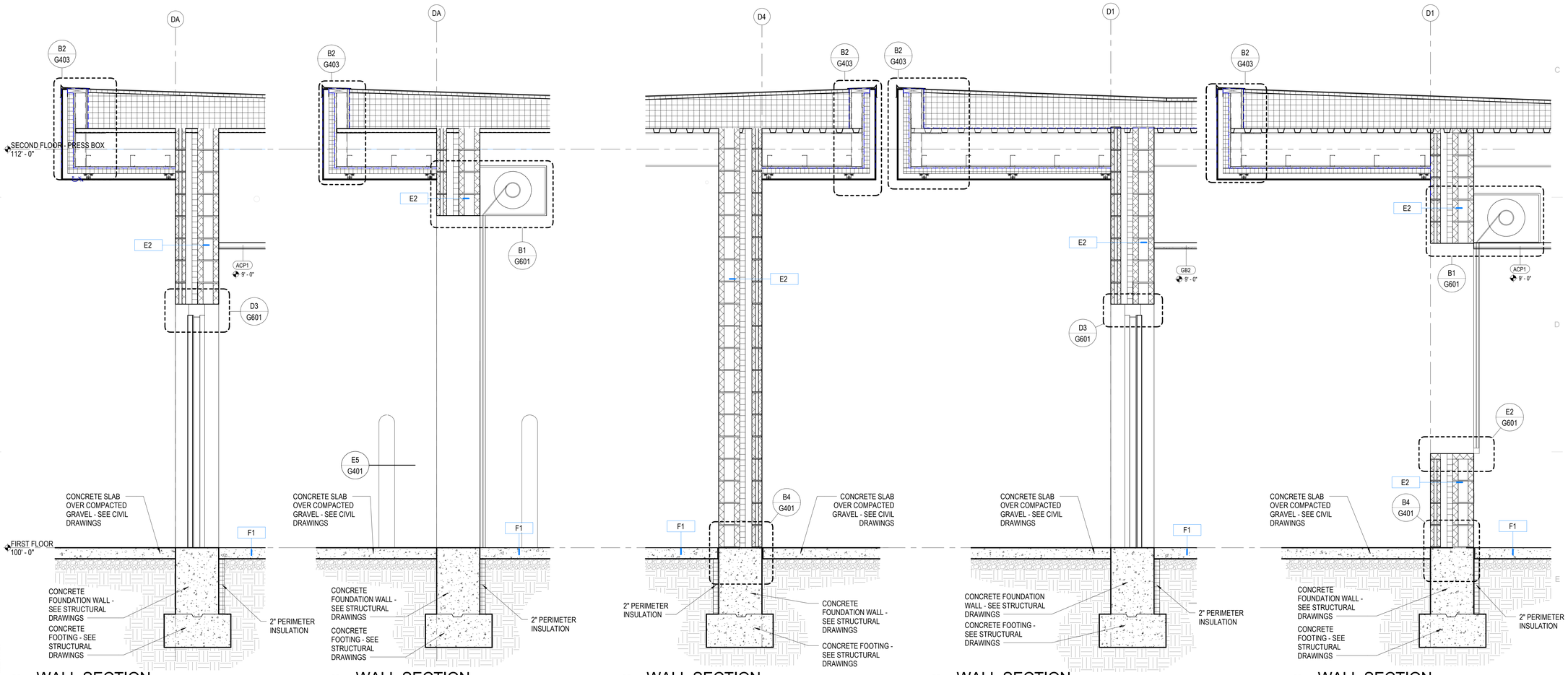
Spray-Applied Fireproofing: Where spray-applied fireproofing is removed for attachment of walls, hangers, clip angles, etc., re-apply the fireproofing material to re-establish the required level of protection.

KEYNOTES



E1 WALL SECTION
SCALE: 3/4" = 1'-0"

E2 WALL SECTION
SCALE: 3/4" = 1'-0"

E3 WALL SECTION
SCALE: 3/4" = 1'-0"

E4 WALL SECTION
SCALE: 3/4" = 1'-0"

E5 WALL SECTION
SCALE: 3/4" = 1'-0"

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MHTN Architects, Inc.
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Salt Lake City, Utah 84101
Telephone (801) 595-6700
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1750 KEARNS BLVD
PARK CITY, UT 84060

SEAL

STATE OF UTAH
SCOTT LATER
No. 7919245-0301
5/14/25
LICENSED ARCHITECT

MHTN PROJECT NO. 2017559

VIEW AND PRINT THIS DRAWING IN COLOR

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

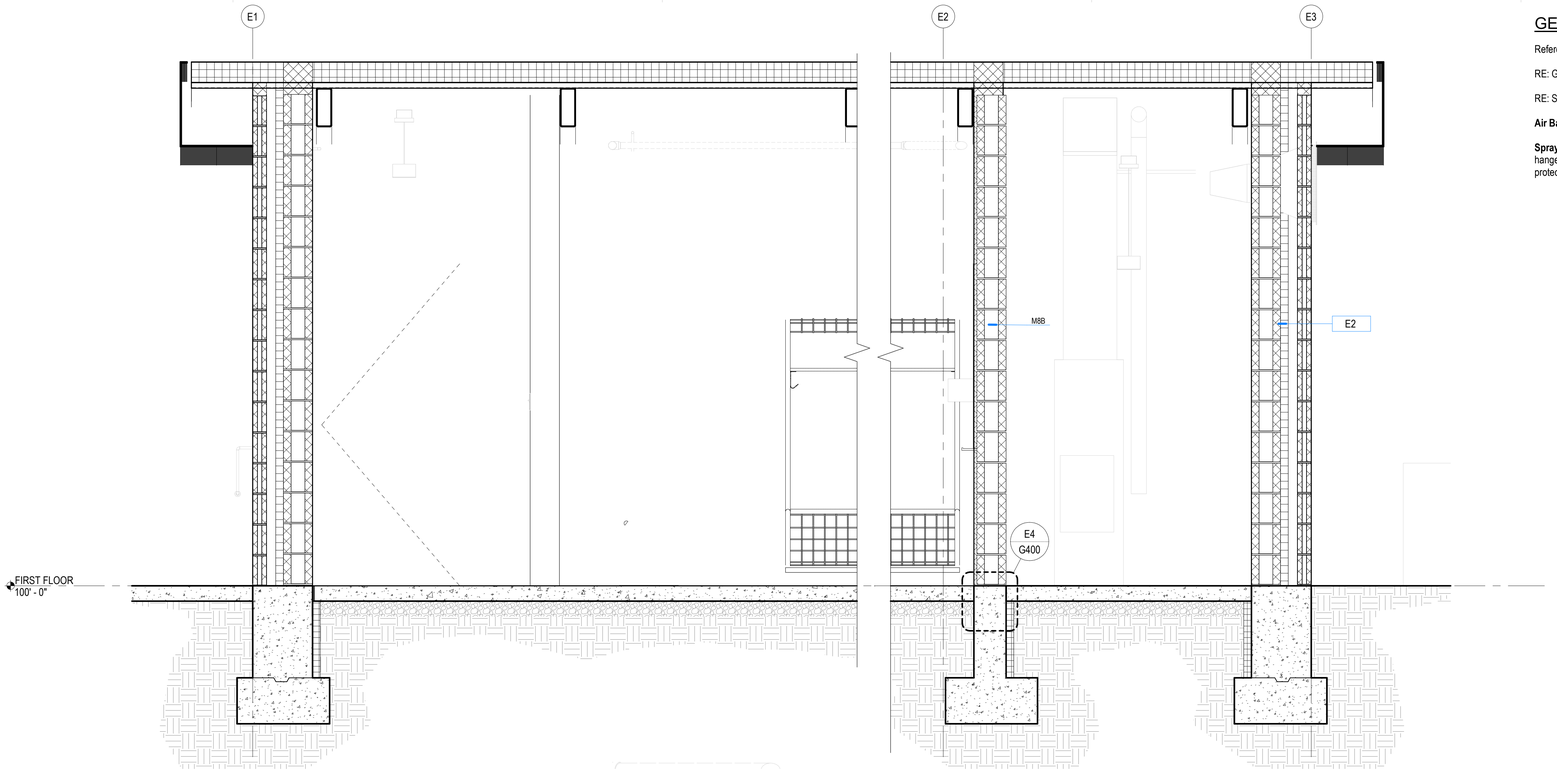
NO.	DATE	DESCRIPTION

ISSUE
BID SET #1
MAY 12, 2025

SHEET NAME
WALL SECTIONS - PRESS BOX

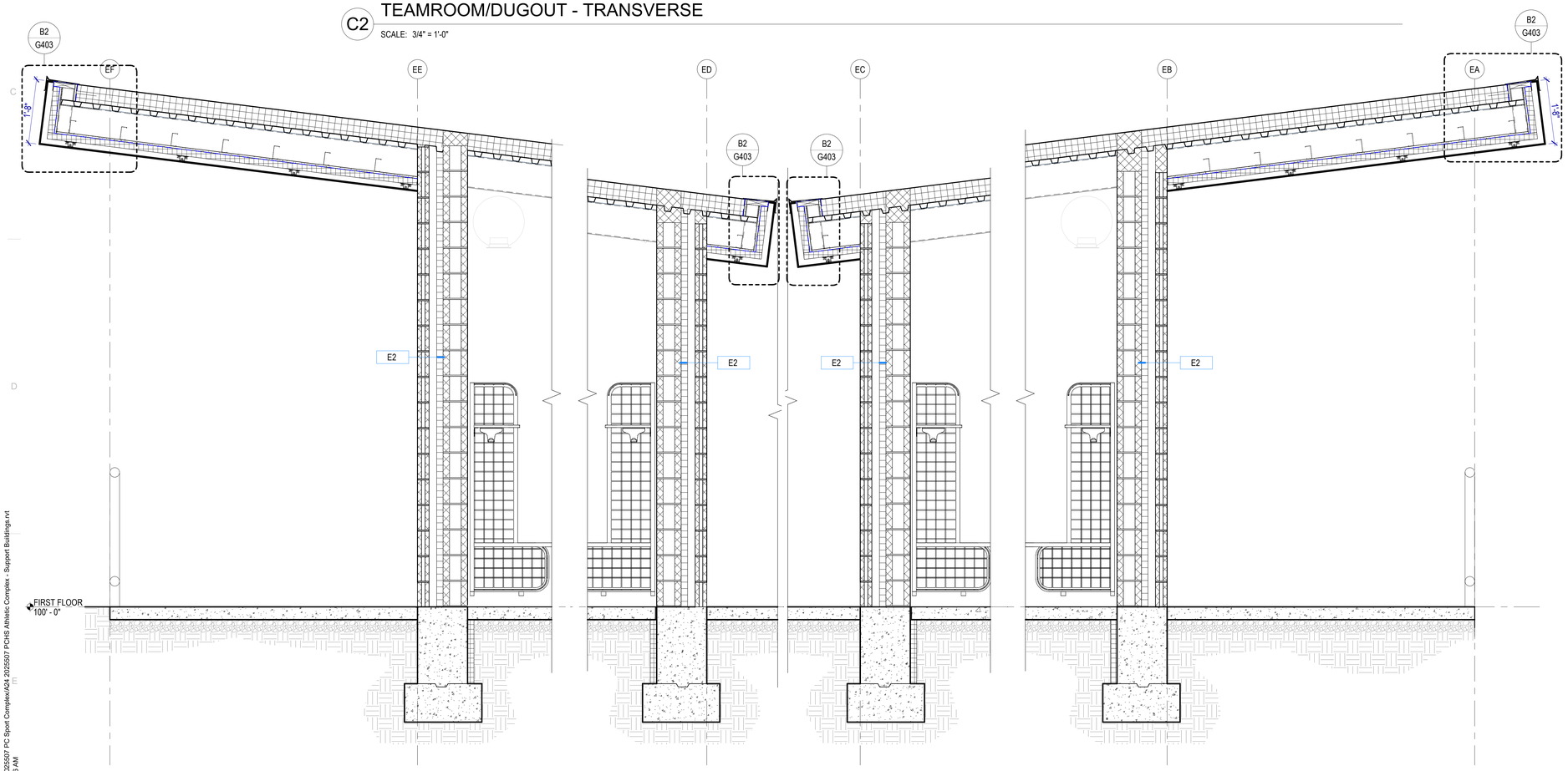
SHEET NUMBER
A300B

RETURN TO SHEET INDEX



C2 TEAMROOM/DUGOUT - TRANSVERSE

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



E1 TEAMROOM/DUGOUT - LONGITUDINAL

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

GENERAL NOTES - SECTIONS

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KEYNOTES

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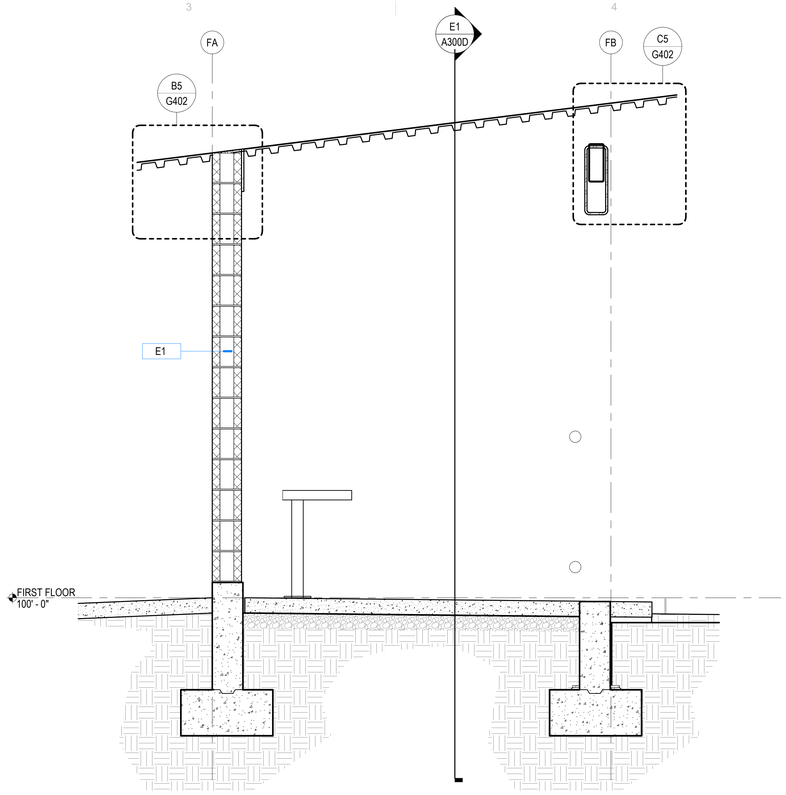
ISSUE
BID SET #1
MAY 12, 2025

SHEET NAME
WALL SECTIONS - TEAM ROOM/ DUGOUT

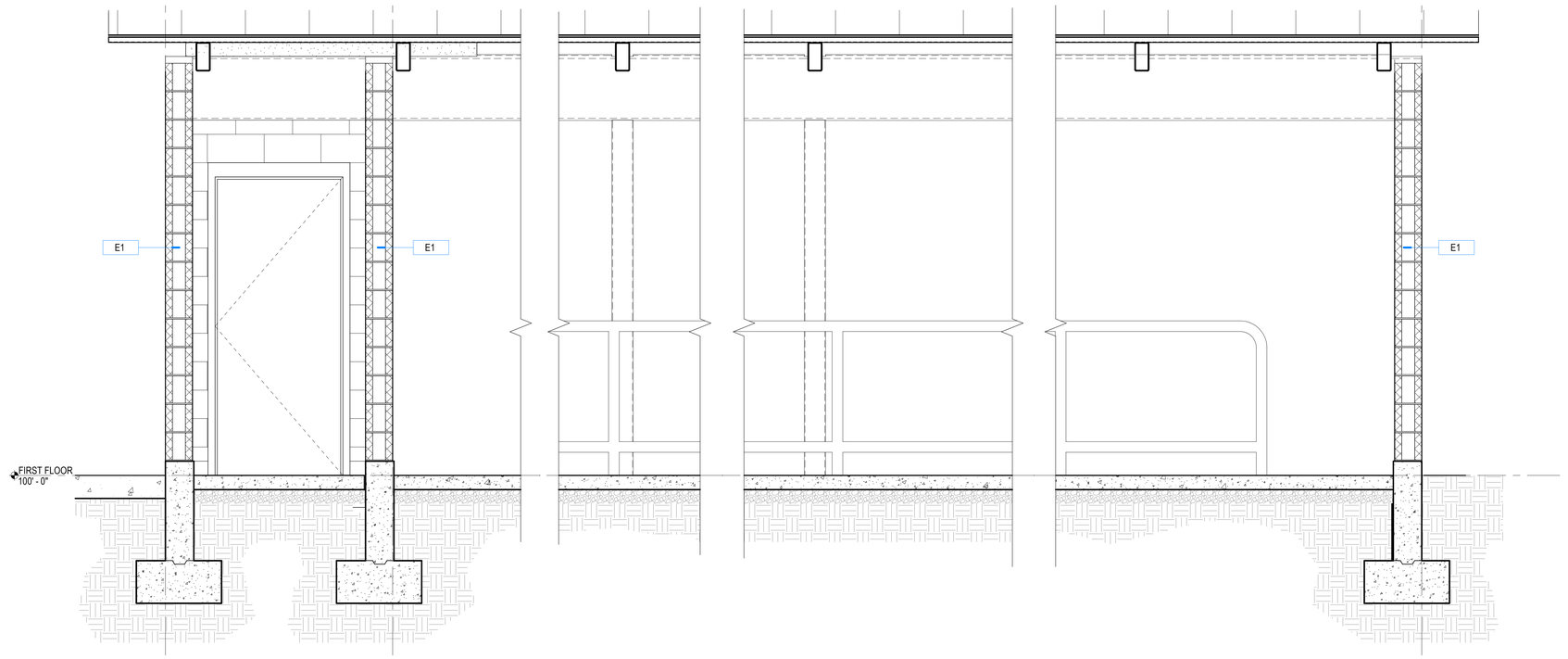
SHEET NUMBER
A300C

RETURN TO SHEET INDEX



C3 DUGOUT - TRANSVERSE

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



E1 DUGOUT - LONGITUDINAL

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

GENERAL NOTES - SECTIONS

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ARCHITECTS
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MHTN PROJECT NO. 2017559

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ISSUE
BID SET #1
MAY 12, 2025

SHEET NAME
WALL SECTIONS - TEAM ROOM/ DUGOUT

SHEET NUMBER
A300D

RETURN TO SHEET INDEX

GENERAL NOTES - SECTIONS

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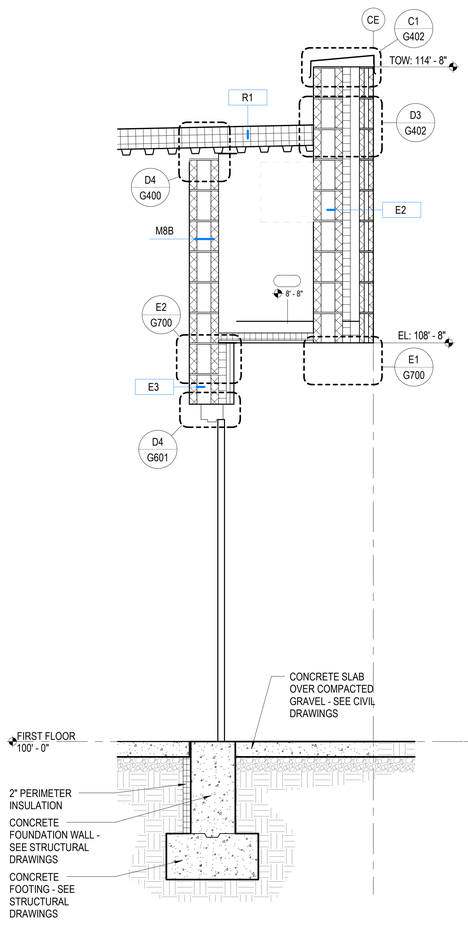
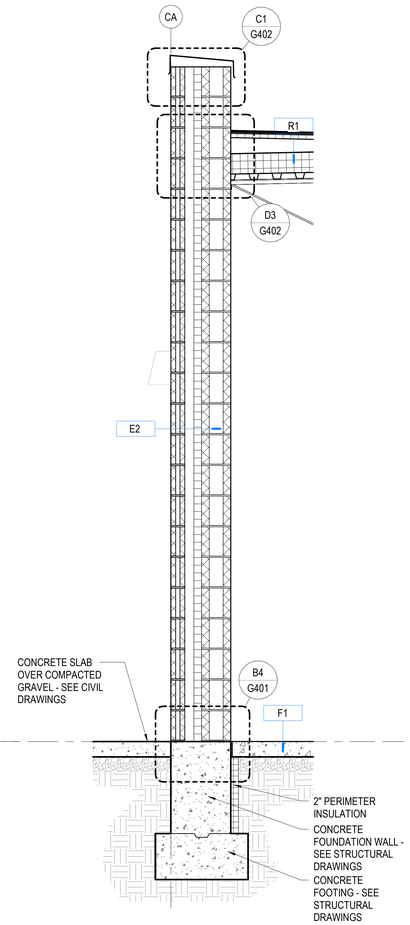


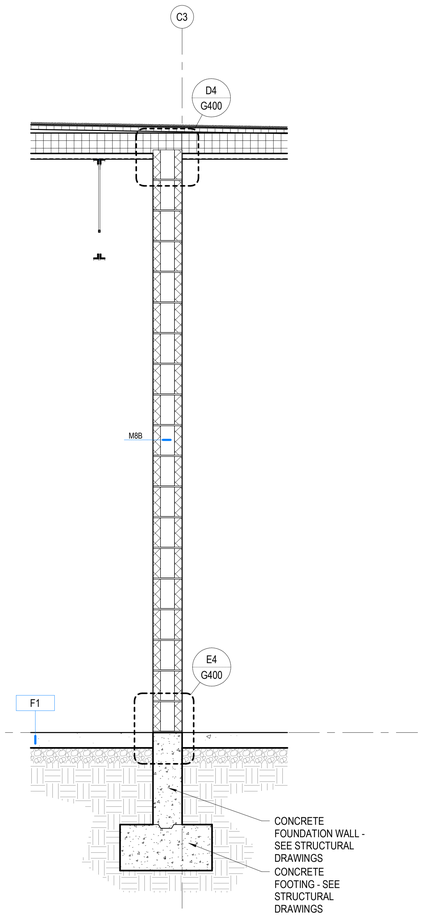
E2 WALL SECTION

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



E3 WALL SECTION

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



E4 WALL SECTION

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

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ISSUE
BID SET #1
MAY 12, 2025

SHEET NAME
WALL SECTIONS - TREASURE SUPPORT

SHEET NUMBER
A301A

RETURN TO SHEET INDEX

GENERAL NOTES - SECTIONS

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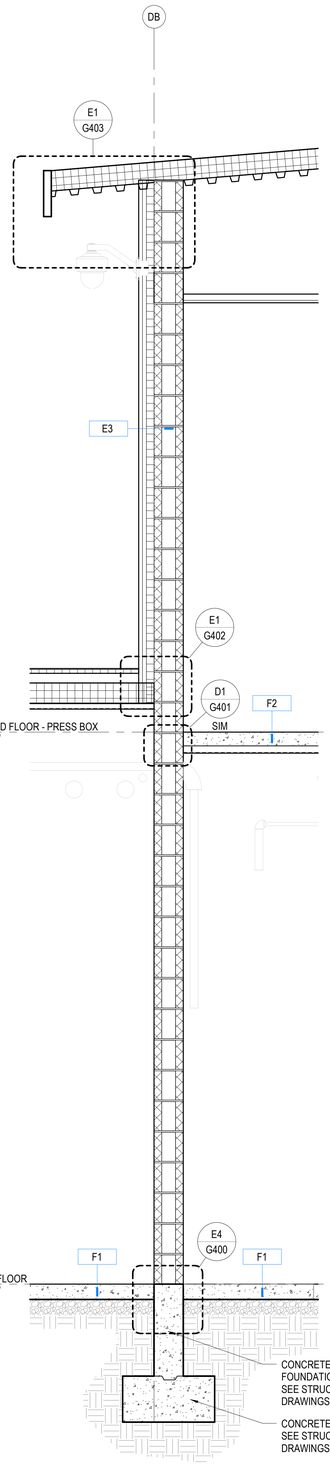
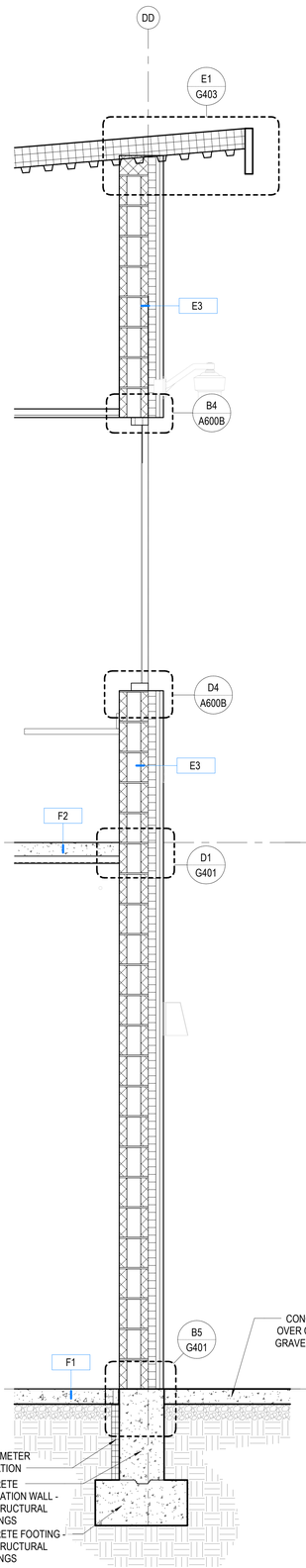
Spray-Applied Fireproofing: Where spray-applied fireproofing is removed for attachment of walls, hangers, clip angles, etc., re-apply the fireproofing material to re-establish the required level of protection.

KEYNOTES



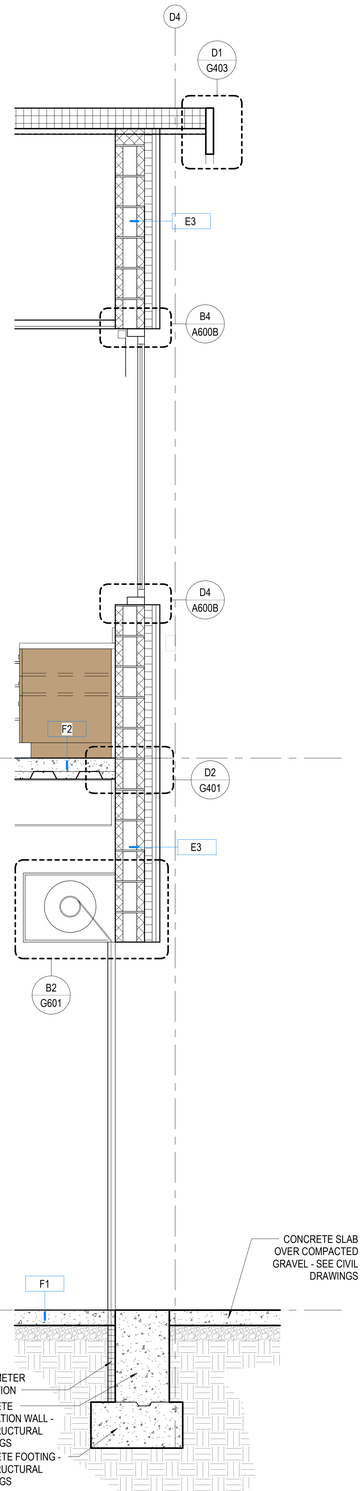
E1 WALL SECTION

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



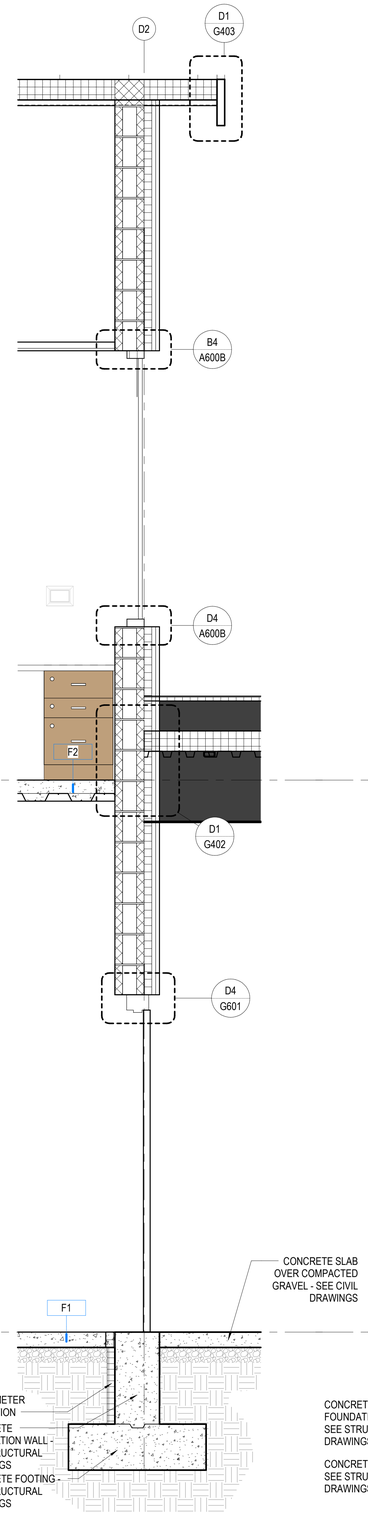
E2 WALL SECTION

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



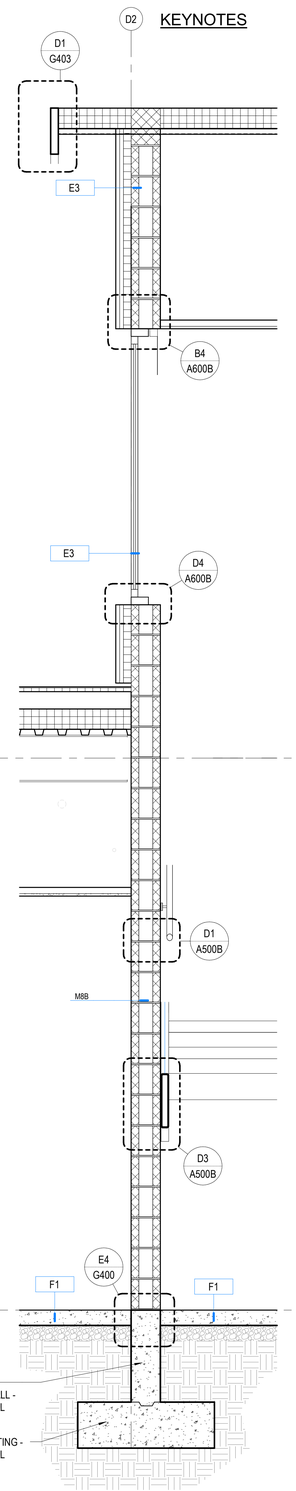
E3 WALL SECTION

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



E4 WALL SECTION

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



E5 WALL SECTION

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

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ISSUE
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MAY 12, 2025

SHEET NAME
WALL SECTIONS - PRESS BOX

SHEET NUMBER
A301B

RETURN TO SHEET INDEX

Autodesk Docs://2025507 PC Sport Complex/A24 2025507 PCHS Athletic Complex - Support Buildings.rvt
5/12/2025 11:28:29 AM

GENERAL NOTES - SECTIONS

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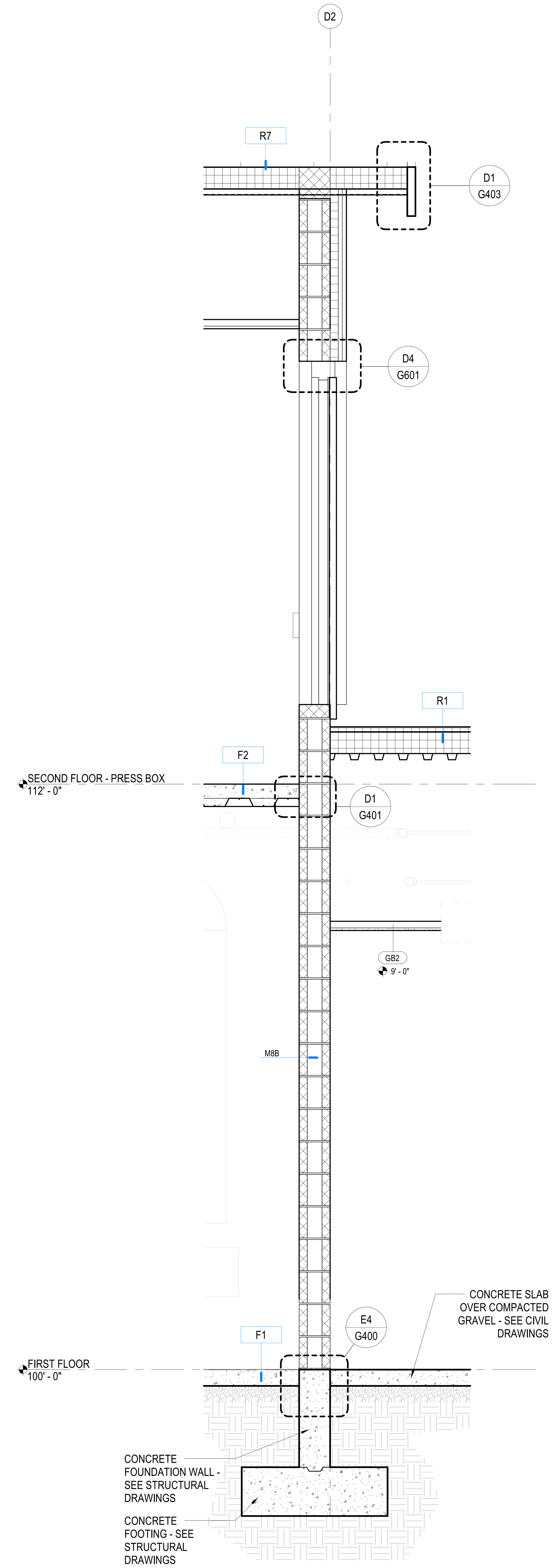
KEYNOTES



E4 PRESS BOX - ROOF DOOR

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

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ISSUE
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SHEET NAME
WALL SECTIONS - PRESS BOX

SHEET NUMBER
A302B

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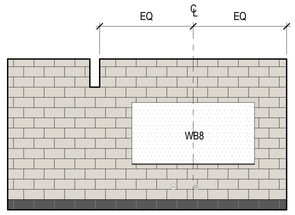
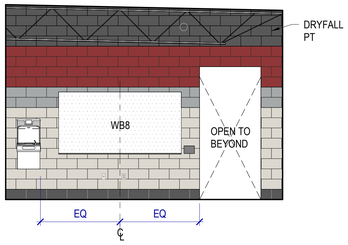


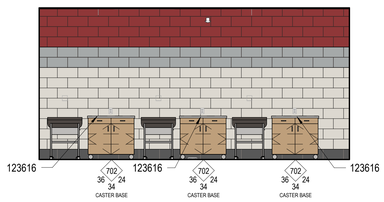
B1 OFFICIALS

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



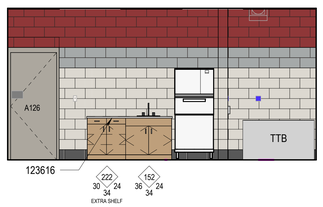
C1 TEAMROOMS

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



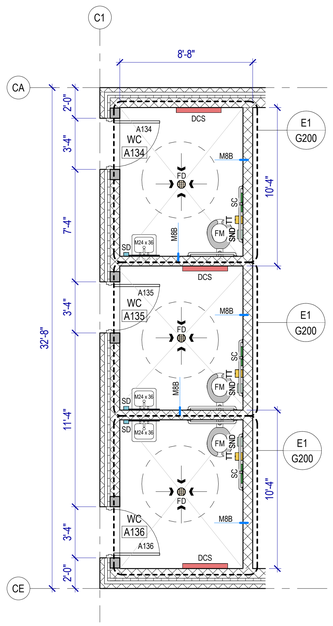
D1 TRAINING - NORTH

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



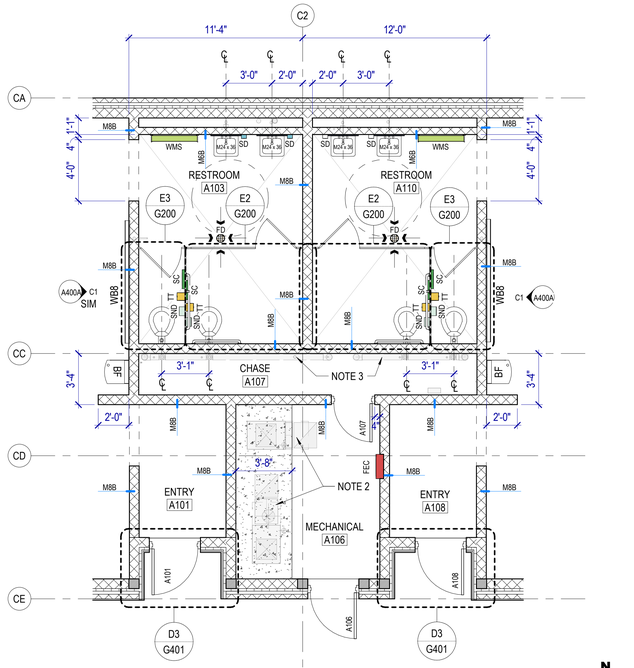
E1 TRAINING - SOUTH

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



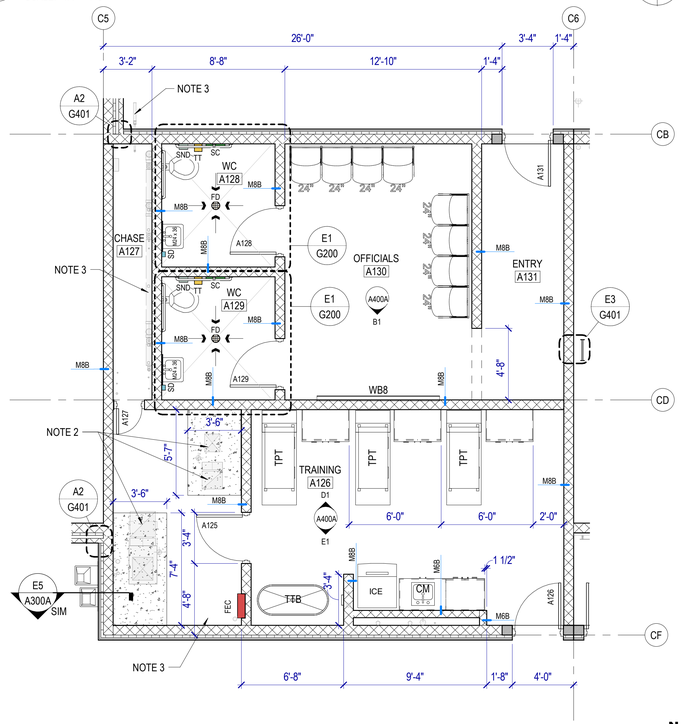
E2 RESTROOMS

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



C3 RESTROOMS

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



E3 OFFICIALS/TRAINING

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

KEYNOTES

123616	SECTION 123616 - METAL COUNTERTOPS
NOTE 2	MECHANICAL EQUIPMENT - SEE MECHANICAL DRAWINGS
NOTE 3	PLUMBING EQUIPMENT - SEE PLUMBING DRAWINGS

GENERAL NOTES - PARTIAL PLANS

References to sheets below are provided to aid in navigating the drawings.

RE: G200 for Fixture Mounting Heights.

RE: G400 for Floor, Roof and Exterior Wall Types.

RE: G400 for Interior Wall Types.

Interior Wall Height: All walls are continuous from floor to roof or floor deck above, UNO.

Keynotes: Not all keynotes apply to this sheet.

GENERAL NOTES - INTERIOR ELEVATIONS

RE: North American Architectural Woodwork Standards v3.0 (NAAWS), Cabinet Design Series for cabinet types.

RE: G400 for Interior Wall Types.

Dimensions shown to walls or casework are to finished face of wall or cabinet, UNO.

Equipment indicated by dashed lines is a general representation and shown for coordination purposes only.

Mechanical, electrical, plumbing and telecom rough-in locations are shown for general coordination purposes only. Refer to mechanical, electrical, plumbing and telecom drawings.

Countertops: 25" deep with 4" high backsplash, UNO. Provide sidesplashes at walls, tall cabinets or similar transitions.

Blocking: Provide blocking in walls at cabinets, wall-mounted accessories, equipment, display boards and similar items.

Finishes: Finishes are required on all exposed and semi-exposed surfaces, UNO. Wall elevations are not shown for walls where the Finish Schedule is deemed adequate to convey the intent.

Cabinet Locks: Provide locks on cabinet drawers and doors, keyed alike by room, UNO.

Casework Finishes: Provide laminate finishes on all exposed and semi-exposed surfaces as required by the specifications. Provide laminate finishes on concealed surfaces if required by the specifications. Refer to NAAWS Section 10.4.4 for definitions of exposed, semi-exposed and concealed surfaces.

LEGEND - PARTIAL PLANS

- CONCRETE PAD - 4" HIGH, VERIFY SIZE WITH MECHANICAL CONTRACTOR RE: MECHANICAL
- FEC — FIRE EXTINGUISHER + CABINET SEMI-RECESSED - SEE DETAIL B2 / G401
- TT — TOILET TISSUE DISPENSER, OFCI - SEE SHEET G200
- M24x36 — FRAMED MIRROR, OFCI - SEE SHEET G200
- SD — SOAP DISPENSER, OFCI - SEE SHEET G200
- PTD — PAPER TOWEL DISPENSER, OFCI - SEE SHEET G200
- SND — SANITARY NAPKIN DISPOSAL UNIT, OFCI - SEE SHEET G200
- SCD — SEAT COVER DISPENSER, OFCI - SEE SHEET G200
- WMS — WALL MOUNTED SHELF - SEE SHEET G200
- RH — ROBE HOOK - SEE SHEET G200
- SNVU — SANITARY NAPKIN VENDING UNIT, OFCI - SEE SHEET G200
- DCS — DIAPER CHANGING STATION, OFCI - SEE SHEET G200
- FD — FLOOR DRAIN - SEE DETAIL A1 / G401
- TPT — TAPING TABLE
- ELECTRICAL WATER COOLER - SEE DETAIL C2 / G200 RE: PLUMBING
- C — DRINK COOLER
- SLOPE OF FLOOR
- WALL MOUNTED WATER CLOSET
- FM — FLOOR MOUNTED WATER CLOSET
- WALL HUNG URINAL
- SD — WALL HUNG LAVATORY
- CM — COUNTER MOUNTED SINK - SEE DETAIL D5 / G200
- LOCKER - SEE LOCKER TYPES & DETAILS
- ICE — ICE MACHINE, CFCI
- WB — WALL-MOUNTED WHITEBOARD - SEE DETAIL A1 / G200
- TTB — THERAPY TUB, CFCI
- BF — BOTTLE FILLING STATION - SEE DETAIL C2 / G200,SIM RE: PLUMBING
- M — MICROWAVE
- MOP SINK WITH MOP & BROOM HOLDER - SEE DETAIL C4 / G200 RE: PLUMBING

LEGEND - INTERIOR ELEVATIONS

- PAINTED CMU - PT1
- PAINTED CMU - PT2
- PAINTED CMU - PT3
- PAINTED CMU - PT4
- DRINK COOLER, OFCI
- BOTTLE FILLING STATION - SEE DETAIL C2 / G200 ,SIM RE: PLUMBING
- LOCKER
- UNDERCOUNTER MOUNTED SINK
- ICE MACHINE, CFCI
- TTB — THERAPY TUB, CFCI
- TAPING TABLE
- MICROWAVE
- STAINLESS STEEL TABLE, OFOI
- WB — WHITEBOARD - SEE DETAIL A1 / G200

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ISSUE
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MAY 12, 2025

SHEET NAME
ENLARGED PLANS & ELEVATIONS - TREASURE SUPPORT

SHEET NUMBER
A400A

RETURN TO SHEET INDEX

GENERAL NOTES - PARTIAL PLANS

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RE: G400 for Interior Wall Types.

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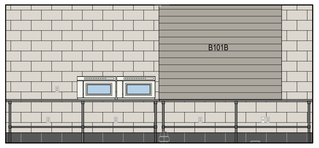
- TT — TOILET TISSUE DISPENSER, OFCI - SEE SHEET G200
- M24x36 — FRAMED MIRROR, OFCI - SEE SHEET G200
- SD — SOAP DISPENSER, OFCI - SEE SHEET G200
- PTD — PAPER TOWEL DISPENSER, OFCI - SEE SHEET G200
- SND — SANITARY NAPKIN DISPOSAL UNIT, OFCI - SEE SHEET G200
- SCD — SEAT COVER DISPENSER, OFCI - SEE SHEET G200
- WMS — WALL MOUNTED SHELF - SEE SHEET G200
- RH — ROBE HOOK - SEE SHEET G200
- SNVU — SANITARY NAPKIN VENDING UNIT, OFCI - SEE SHEET G200
- DCS — DIAPER CHANGING STATION, OFCI - SEE SHEET G200
- FD — FLOOR DRAIN - SEE DETAIL A1 / G401
- TPT — TAPING TABLE
- ELECTRICAL WATER COOLER - SEE DETAIL C2 / G200 RE: PLUMBING
- C — DRINK COOLER
- SLOPE OF FLOOR
- WALL MOUNTED WATER CLOSET
- FM — FLOOR MOUNTED WATER CLOSET
- WALL HUNG URINAL
- SD — WALL HUNG LAVATORY
- CM — COUNTER MOUNTED SINK - SEE DETAIL D5 / G200
- 24" — LOCKER - SEE LOCKER TYPES & DETAILS
- ICE — ICE MACHINE, CFCI
- WB — WALL-MOUNTED WHITEBOARD - SEE DETAIL A1 / G200
- TTB — THERAPY TUB, CFCI
- BF — BOTTLE FILLING STATION - SEE DETAIL C2 / G200,SIM RE: PLUMBING
- M — MICROWAVE
- MOP SINK WITH MOP & BROOM HOLDER - SEE DETAIL C4 / G200 RE: PLUMBING

LEGEND - INTERIOR ELEVATIONS

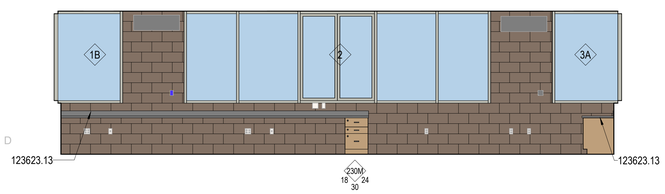
- PAINTED CMU - PT1
- PAINTED CMU - PT2
- PAINTED CMU - PT3
- PAINTED CMU - PT4
- DRINK COOLER, OFCI
- BOTTLE FILLING STATION - SEE DETAIL C2 / G200 ,SIM RE: PLUMBING
- LOCKER
- UNDERCOUNTER MOUNTED SINK
- ICE MACHINE, CFCI
- TTB — THERAPY TUB, CFCI
- TAPING TABLE
- MICROWAVE
- STAINLESS STEEL TABLE, OFOI
- WB — WHITEBOARD - SEE DETAIL A1 / G200

KEYNOTES

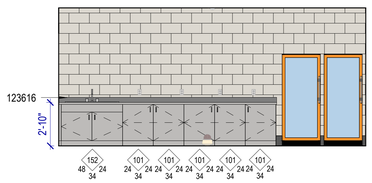
123616	SECTION 123616 - METAL COUNTERTOPS
123623.13	SECTION 123623.13 - PLASTIC-LAMINATE-CLAD COUNTERTOPS



C2 CONCESSIONS - WEST
SCALE: 1/4" = 1'-0"



D1 ANNOUNCERS BOOTH - EAST
SCALE: 1/4" = 1'-0"



D2 CONCESSIONS - EAST
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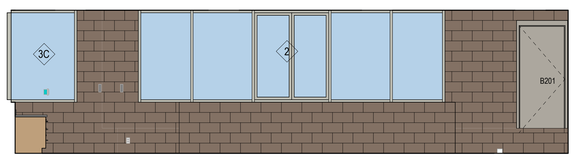

E1 ANNOUNCERS BOOTH - WEST
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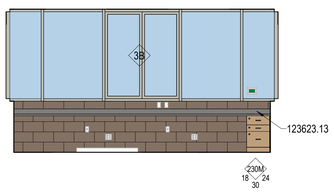
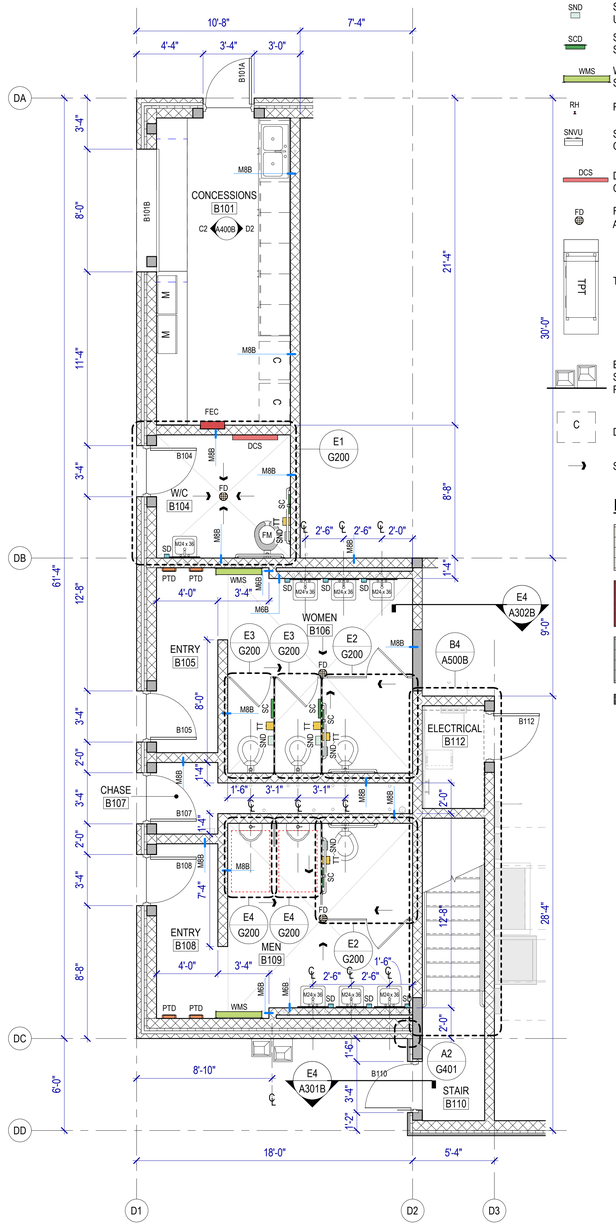


E2 ANNOUNCERS BOOTH - NORTH
SCALE: 1/4" = 1'-0"



E3 PRESS BOX - RESTROOMS/CONCESSIONS
SCALE: 1/4" = 1'-0"

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SCOTT LATER
No. 7919245-0301
5/14/25
LICENSED ARCHITECT

MHTN PROJECT NO. 2017559

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ISSUE
BID SET #1
MAY 12, 2025

SHEET NAME
ENLARGED PLANS & INT ELEVATIONS - PRESS BOX

SHEET NUMBER
A400B

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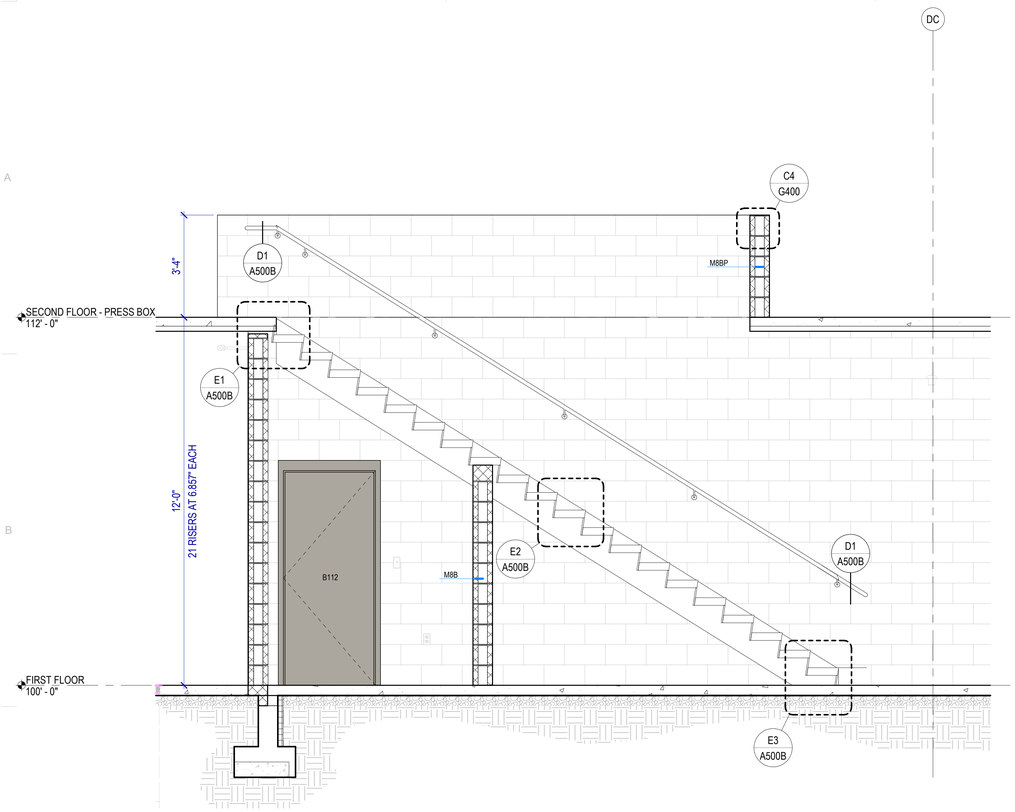
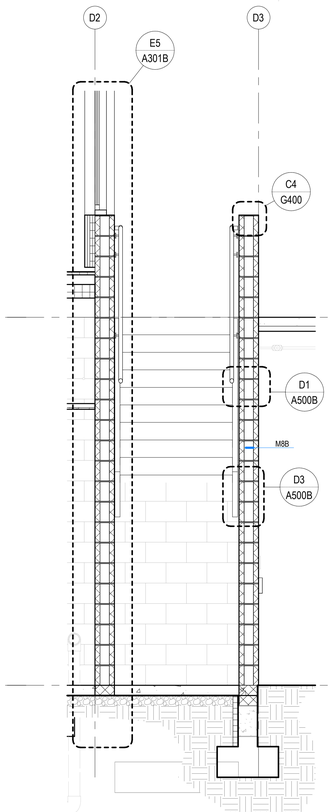


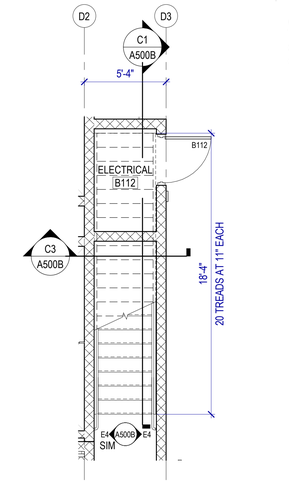
C1 STAIR SECTION

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



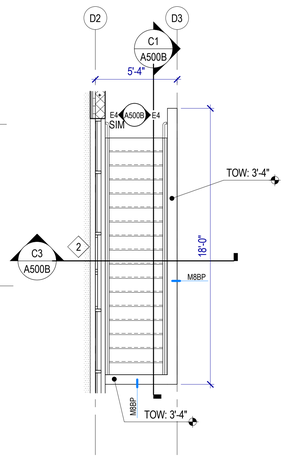
C3 STAIR SECTION

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



B4 SECOND FLOOR STAIR PLAN

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



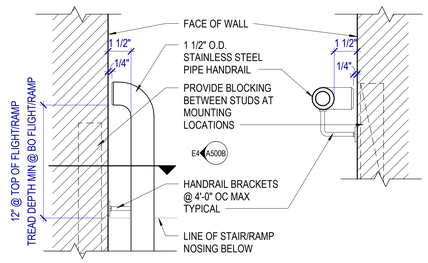
C4 FIRST FLOOR STAIR PLAN

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

GENERAL NOTES - VERTICAL CIRCULATION

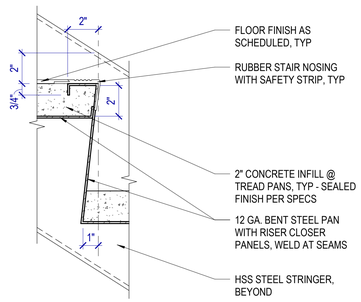
Guards: Maximum allowable openings at guards is 3 7/8" (such that a 4" diameter sphere cannot pass through).

KEYNOTES



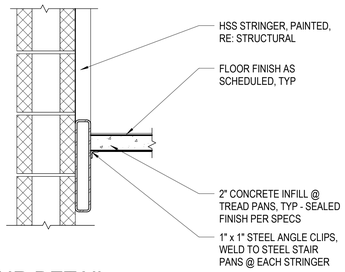
D1 HANDRAIL DETAIL

SCALE: 3" = 1'-0"



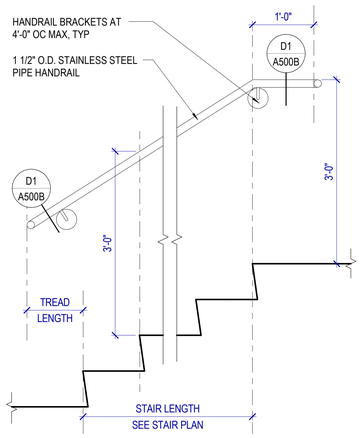
D2 STAIR DETAIL

SCALE: 3" = 1'-0"



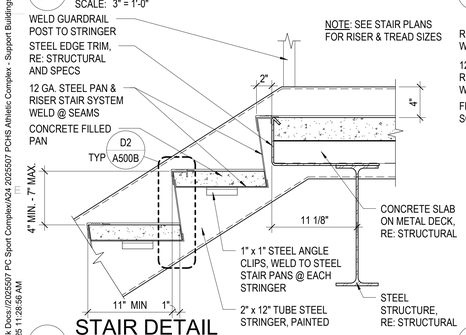
D3 STAIR DETAIL

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



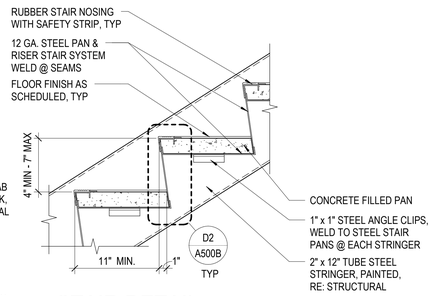
E4 HANDRAIL DETAIL

SCALE: 1" = 1'-0"



E1 STAIR DETAIL

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



E2 STAIR DETAIL

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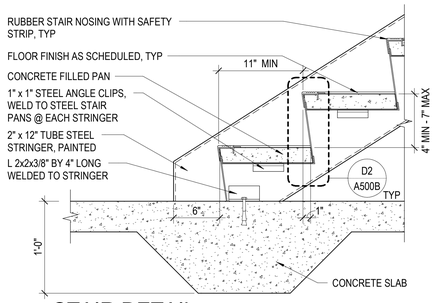

E3 STAIR DETAIL

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

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5/14/25
LICENSED ARCHITECT

MHTN PROJECT NO. 2017559

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REVISIONS
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ISSUE
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MAY 12, 2025

SHEET NAME
VERTICAL CIRCULATION PLAN & DETAILS - PRESS BOX

SHEET NUMBER
A500B

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GENERAL NOTES - WINDOW TYPES

Window Frames: Frames are aluminum storefront, UNO. Finish as specified.

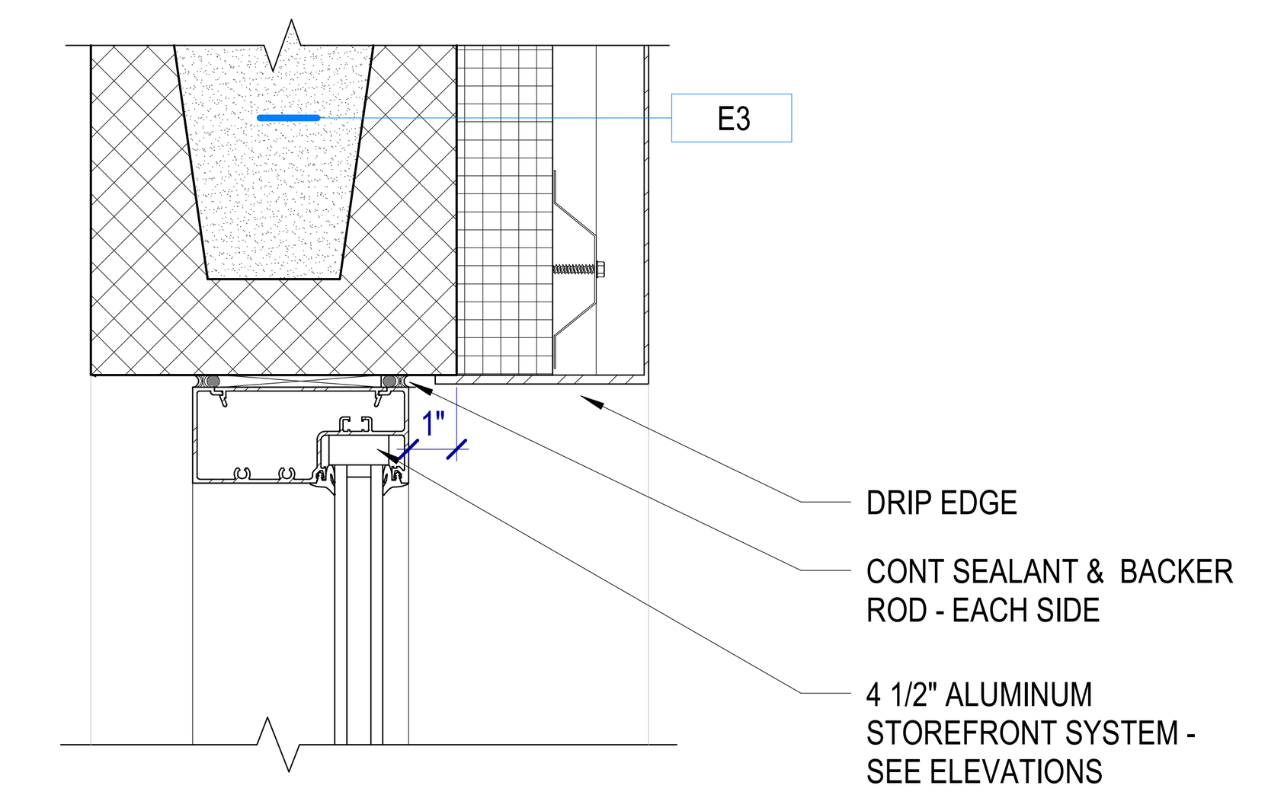
End Dams: Provide end dams at sill flashing.

Coordination: Coordinate all trades to provide complete systems, including, but not limited to framing, glazing, sealants, flashing, brake metal and backing.

LEGEND - WINDOW TYPES

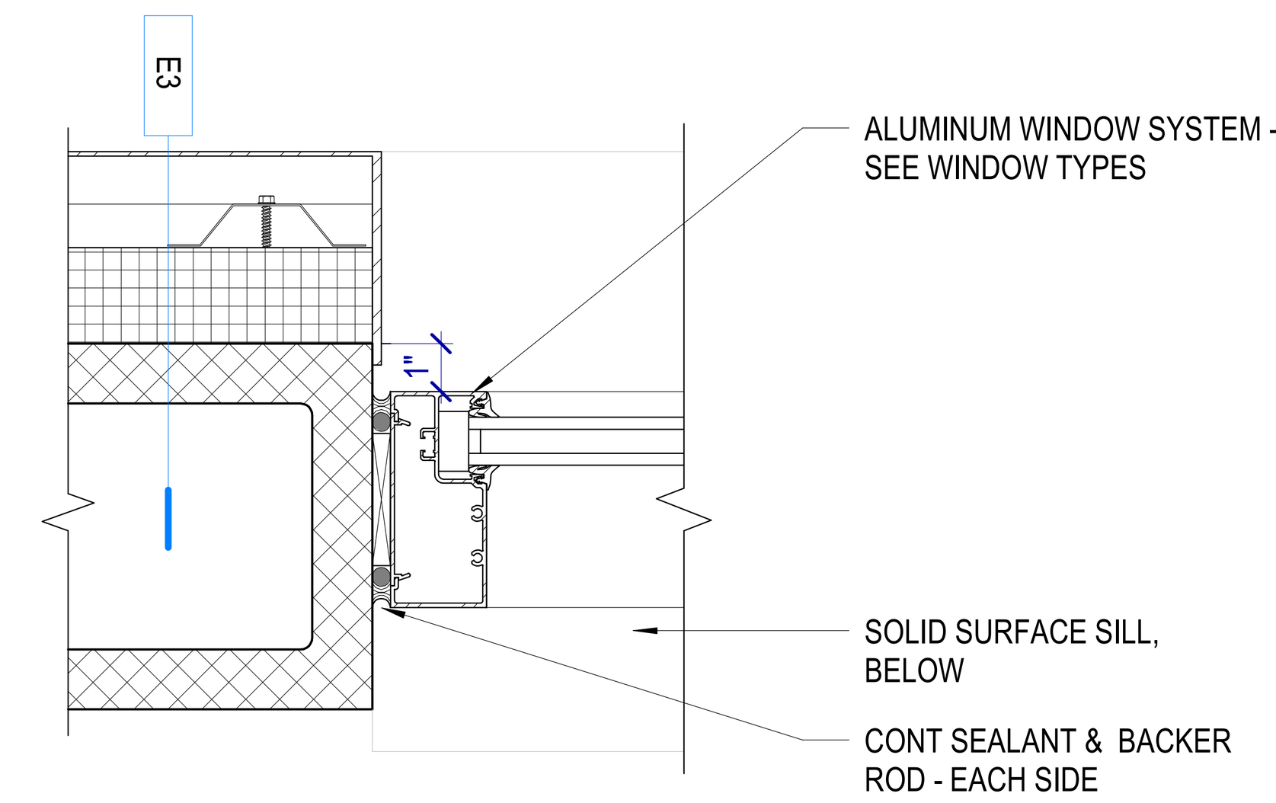
VISION GLASS

GLAZING SCHEDULE	
T22	1" LOW-E COATED, CLEAR INSULATED GLASS
T24	1" LOW-E COATED, CLEAR INSULATED TEMPERED GLASS



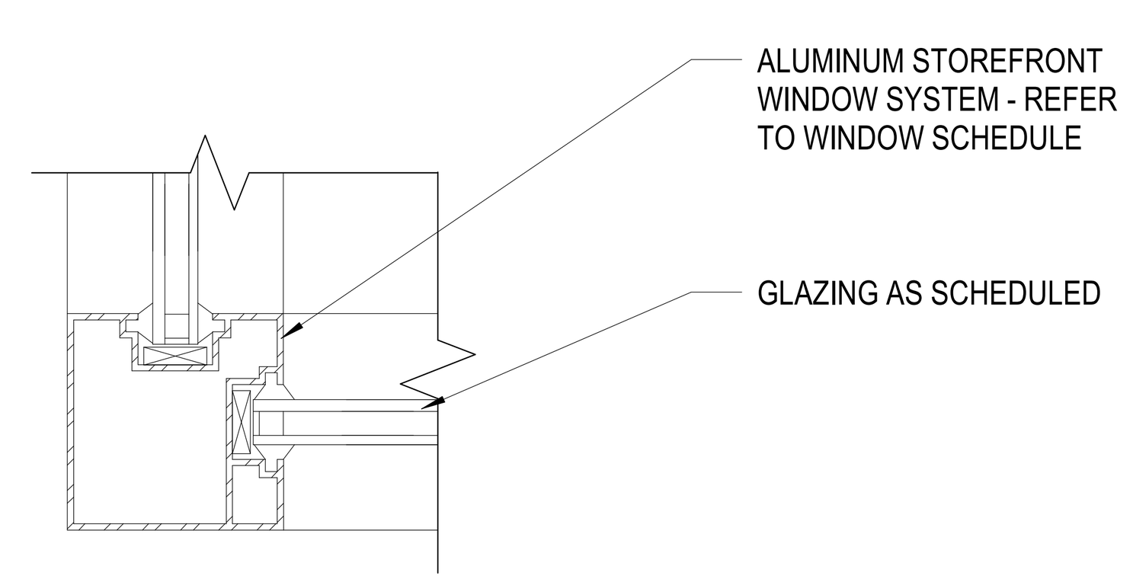
B4 HEAD DETAIL

SCALE: 3" = 1'-0"



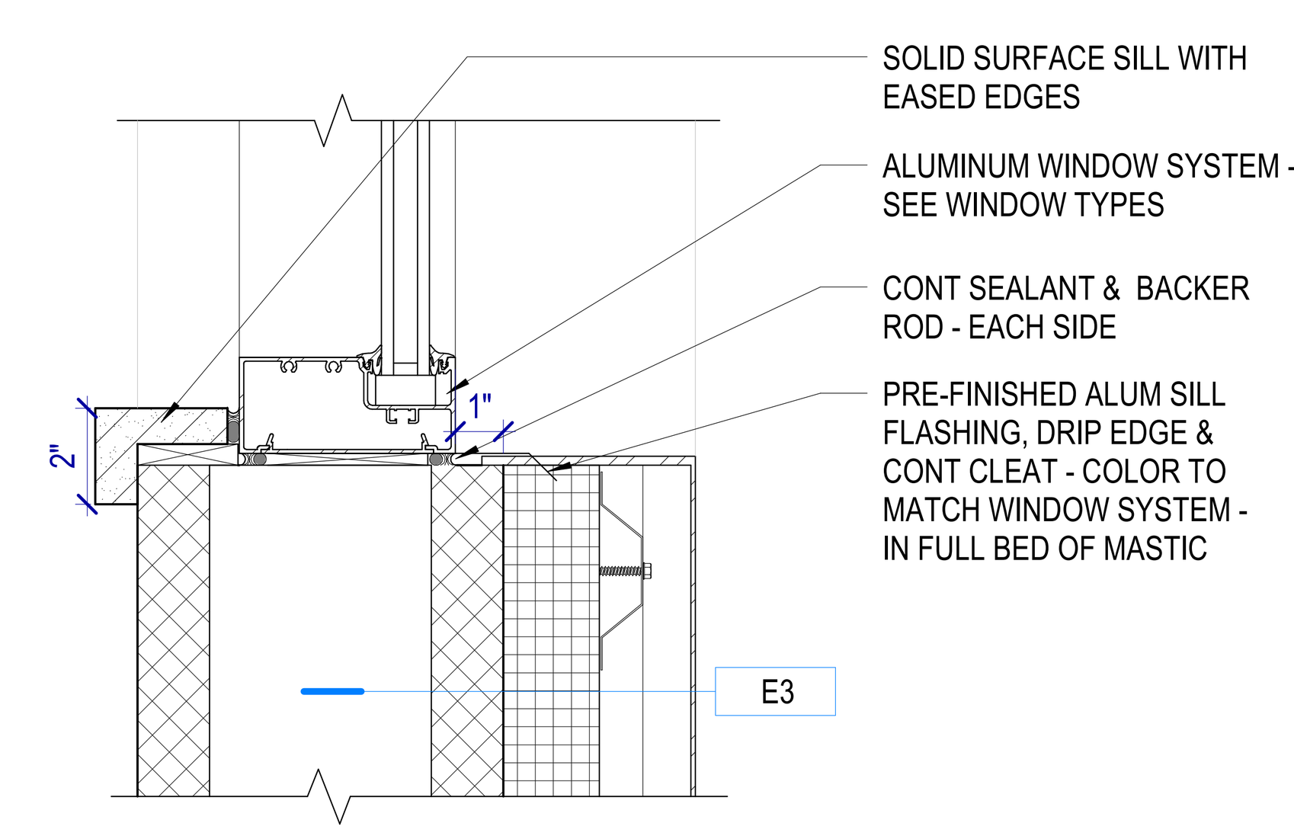
C4 JAMB DETAIL

SCALE: 3" = 1'-0"



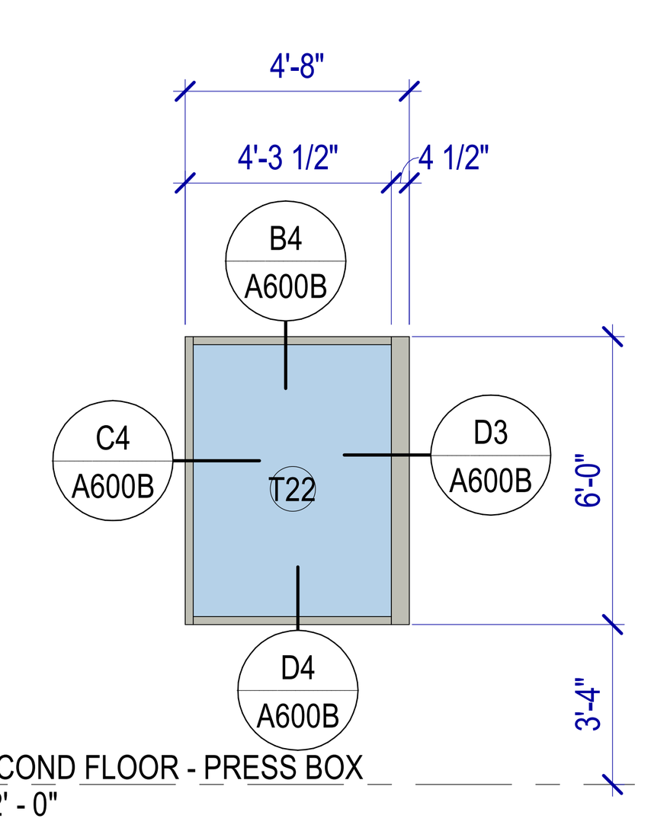
D3 CORNER DETAIL

SCALE: 3" = 1'-0"



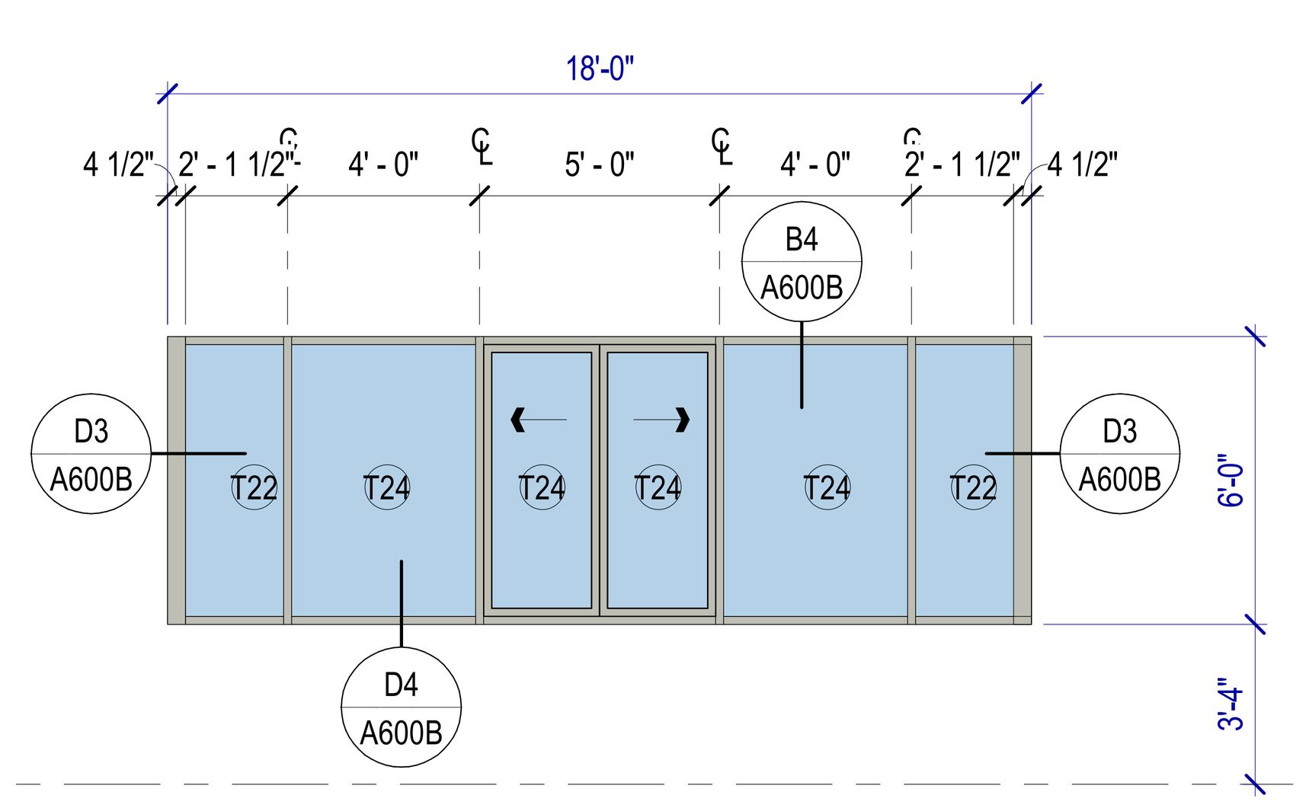
D4 SILL DETAIL

SCALE: 3" = 1'-0"



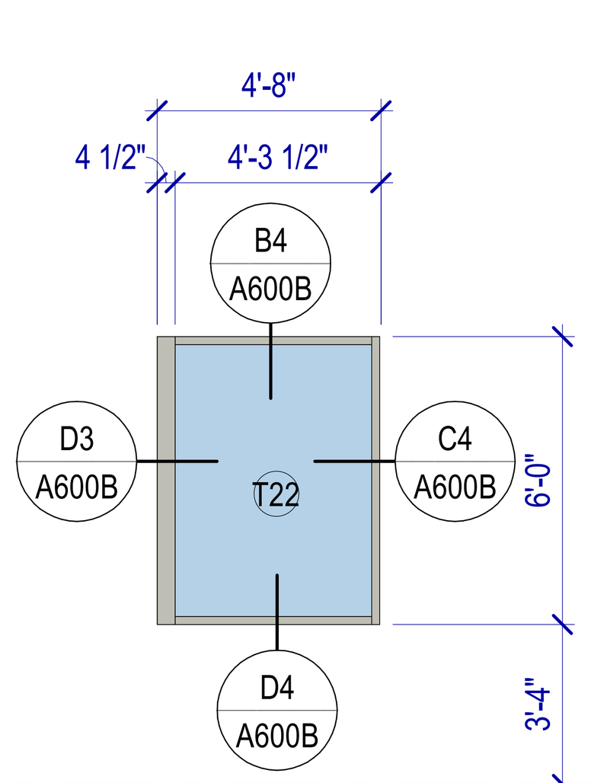
WINDOW TYPE 3C

SCALE: 1/4" = 1'-0" STOREFRONT



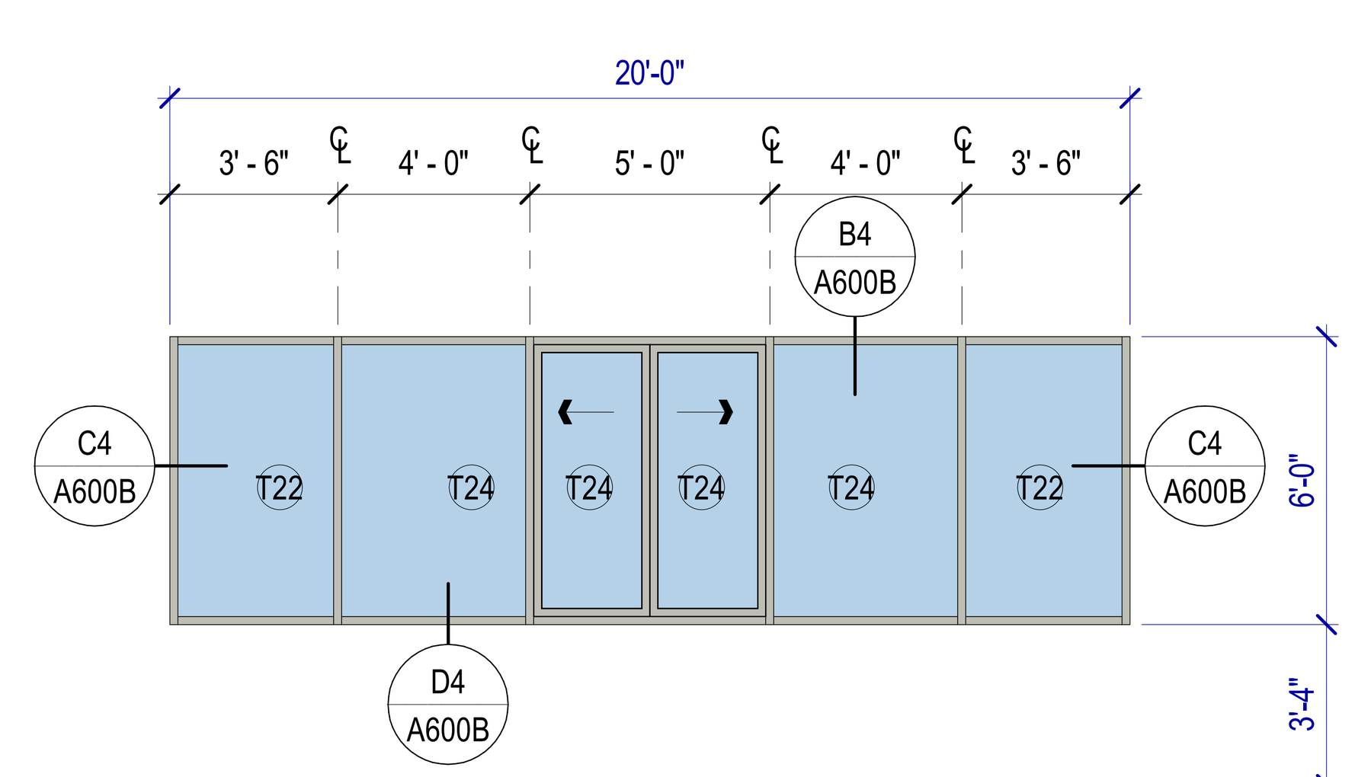
WINDOW TYPE 3B

SCALE: 1/4" = 1'-0" STOREFRONT



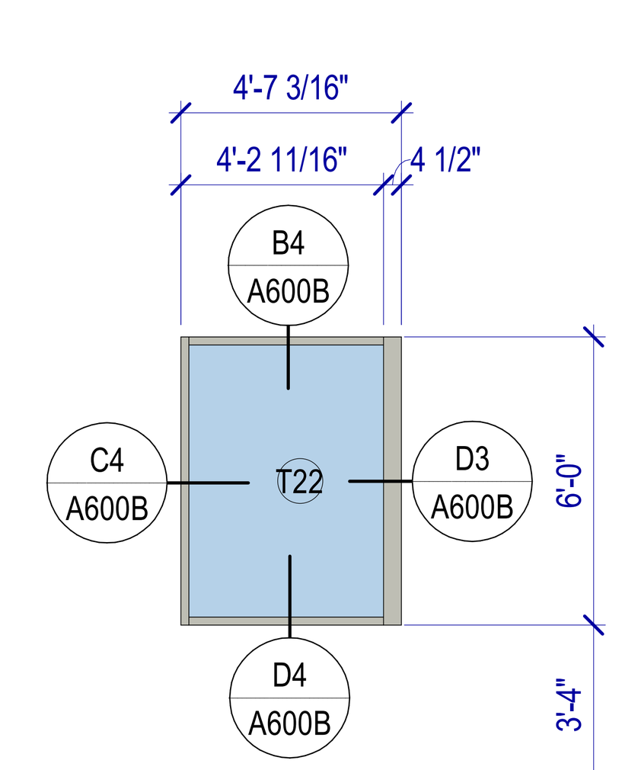
WINDOW TYPE 3A

SCALE: 1/4" = 1'-0" STOREFRONT



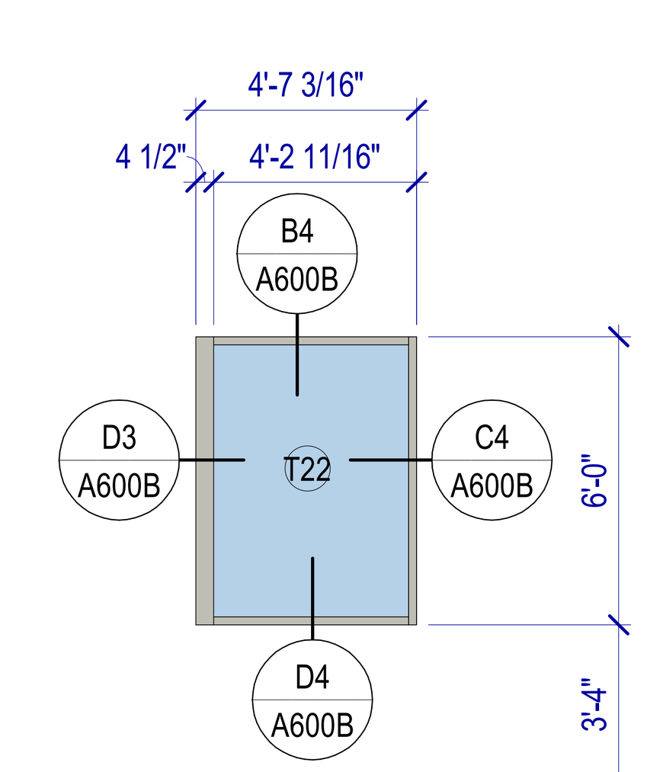
WINDOW TYPE 2

SCALE: 1/4" = 1'-0" STOREFRONT



WINDOW TYPE 1B

SCALE: 1/4" = 1'-0" STOREFRONT



WINDOW TYPE 1A

SCALE: 1/4" = 1'-0" STOREFRONT

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No. 7919245-0301
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MHTN PROJECT NO. 2017559

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SHEET NAME
WINDOW TYPES & DETAILS - PRESS BOX

SHEET NUMBER
A600B

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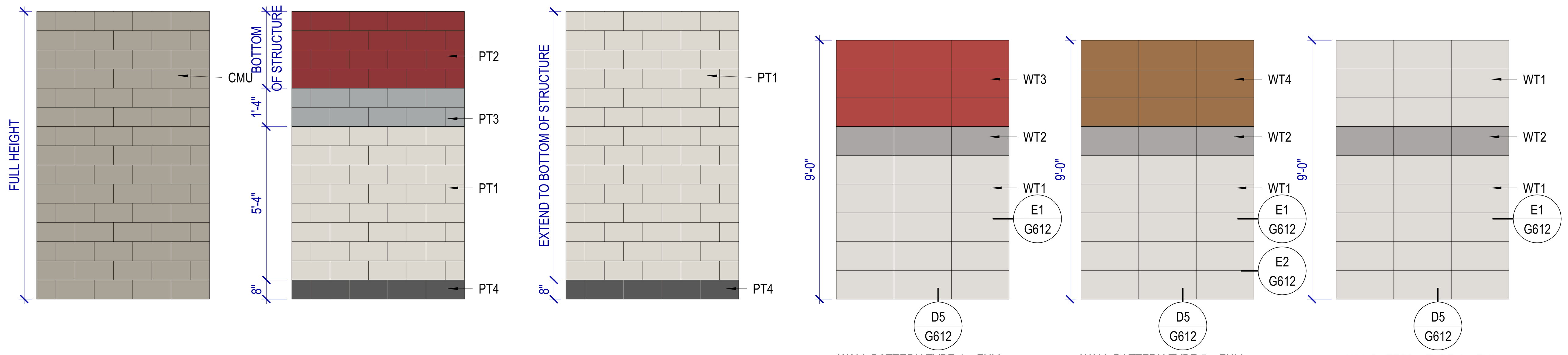


WALL PATTERN TYPE 1 - HONED CMU

WALL PATTERN TYPE 2 - PAINTED CMU

WALL PATTERN TYPE 3 - PAINTED CMU

WALL PATTERN TYPE 4 - FULL-HEIGHT TILE, BATHROOM

WALL PATTERN TYPE 5 - FULL-HEIGHT TILE, BATHROOM

WALL PATTERN TYPE 6 - FULL-HEIGHT TILE, BATHROOM

WALL PATTERN TYPES

GENERAL NOTES - FLOOR & WALL PATTERN PLANS

RE: G611 for the Finish Schedule

RE: G612 for typical floor finish transition details

RE: Structural drawings for recessed slabs.

Floor Finish Transitions at Doors: Locate floor finish material transitions that occur at doors under the center of the door, UNO.

Floor Drains: Coordinate location of floor drains with Plumbing drawings.

GENERAL NOTES - WALL PATTERN PLANS

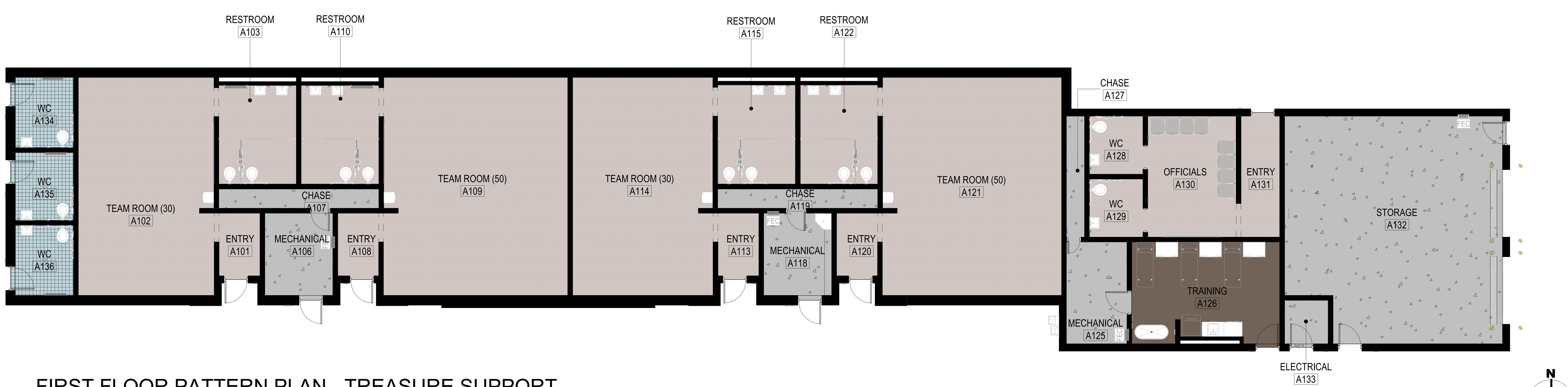
RE: G611 for the Finish Schedule

LEGEND - FLOOR PATTERN PLANS

- CARPET
- MOSAIC TILE
- POLISHED STAINED CONCRETE
- SEALED CONCRETE
- RUBBER SHEET
- POURED EPOXY FLOORING

LEGEND - WALL PATTERN PLANS

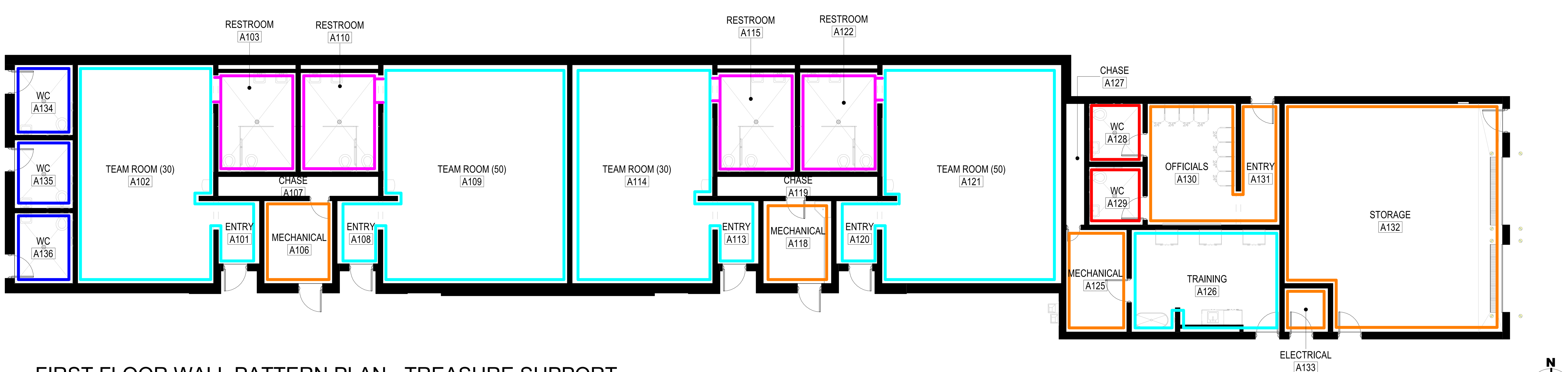
- WALL PATTERN TYPE 1 - HONED CMU
- WALL PATTERN TYPE 2 - PAINTED CMU
- WALL PATTERN TYPE 2 - PAINTED CMU
- WALL PATTERN TYPE 3 - FULL-HEIGHT TILE
- WALL PATTERN TYPE 4 - FULL-HEIGHT TILE
- WALL PATTERN TYPE 5 - FULL-HEIGHT TILE



FIRST FLOOR PATTERN PLAN - TREASURE SUPPORT

SCALE: 1/8" = 1'-0"

0 4'-0" 8'-0" 16'-0"



FIRST FLOOR WALL PATTERN PLAN - TREASURE SUPPORT

SCALE: 1/8" = 1'-0"

0 4'-0" 8'-0" 16'-0"

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SHEET NAME
FLOOR & WALL PATTERN PLANS - TREASURE SUPPORT

SHEET NUMBER
A651A

RETURN TO SHEET INDEX

GENERAL NOTES - FLOOR & WALL PATTERN PLANS

RE: G611 for the Finish Schedule

RE: G612 for typical floor finish transition details

RE: Structural drawings for recessed slabs.

Floor Finish Transitions at Doors: Locate floor finish material transitions that occur at doors under the center of the door, UNO.

Floor Drains: Coordinate location of floor drains with Plumbing drawings.

LEGEND - INTERIOR ELEVATIONS

- PAINTED CMU - PT1
- PAINTED CMU - PT2
- PAINTED CMU - PT3
- PAINTED CMU - PT4
- DRINK COOLER, OFCI
- BOTTLE FILLING STATION - SEE DETAIL C2 / G200 ,SIM RE: PLUMBING
- LOCKER
- UNDERCOUNTER MOUNTED SINK
- ICE MACHINE, CFCI
- TTB — THERAPY TUB, CFCI
- TAPING TABLE
- MICROWAVE
- STAINLESS STEEL TABLE, OFOI
- WB — WHITEBOARD - SEE DETAIL A1 / G200

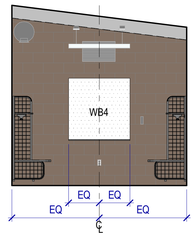
LEGEND - FLOOR PATTERN PLANS

- CARPET
- MOSAIC TILE
- POLISHED STAINED CONCRETE
- SEALED CONCRETE
- RUBBER SHEET
- POURED EPOXY FLOORING

LEGEND - WALL PATTERN PLANS

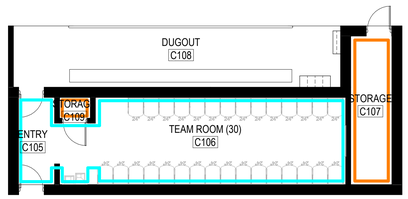
- WALL PATTERN TYPE 1 - HONED CMU
- WALL PATTERN TYPE 2 - PAINTED CMU
- WALL PATTERN TYPE 2 - PAINTED CMU
- WALL PATTERN TYPE 3 - FULL-HEIGHT TILE
- WALL PATTERN TYPE 4 - FULL-HEIGHT TILE
- WALL PATTERN TYPE 5 - FULL-HEIGHT TILE

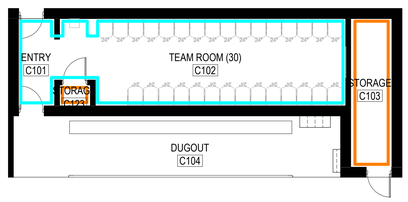
KEYNOTES



C4 TEAMROOM

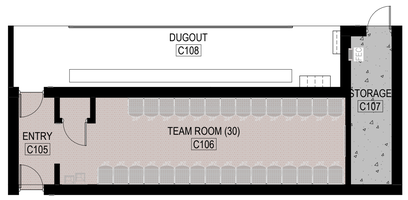
SCALE: 1/4" = 1'-0"

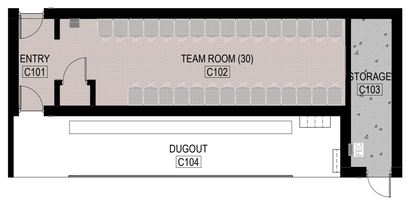




E2 FIRST FLOOR WALL PATTERN PLAN

SCALE: 1/8" = 1'-0"





E3 FIRST FLOOR PATTERN PLAN

SCALE: 1/8" = 1'-0"

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SHEET NAME
FLOOR & WALL PATTERN PLANS - TEAM ROOM/ DUGOUT

SHEET NUMBER
A651C

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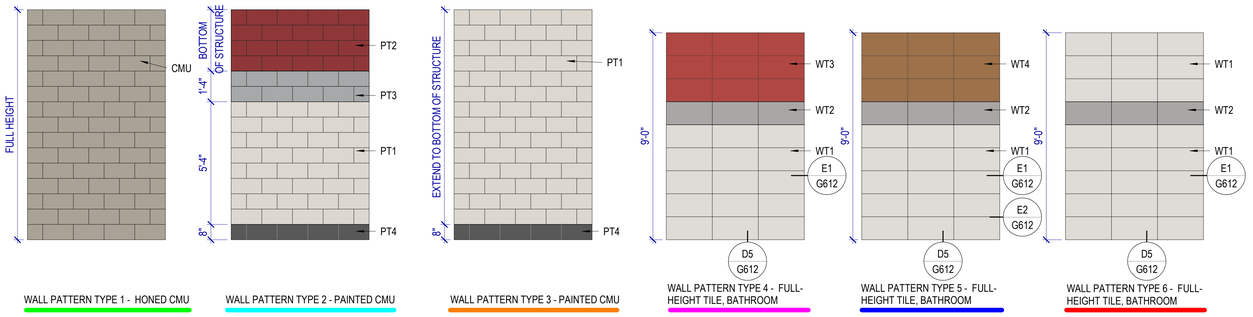


WALL PATTERN TYPE 1 - HONED CMU

WALL PATTERN TYPE 2 - PAINTED CMU

WALL PATTERN TYPE 3 - PAINTED CMU

WALL PATTERN TYPE 4 - FULL-HEIGHT TILE, BATHROOM

WALL PATTERN TYPE 5 - FULL-HEIGHT TILE, BATHROOM

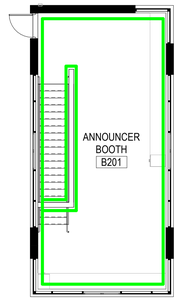
WALL PATTERN TYPE 6 - FULL-HEIGHT TILE, BATHROOM

A1 WALL PATTERN TYPES

SCALE: 3/8" = 1'-0"

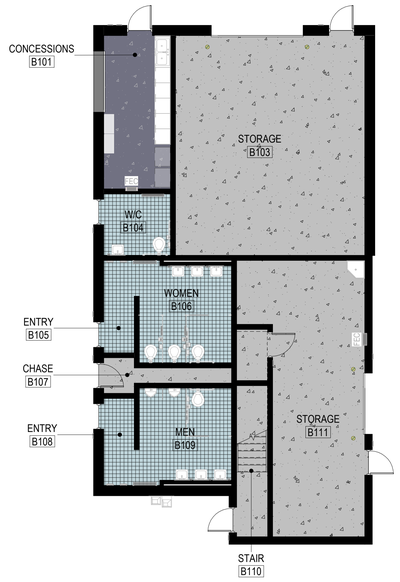
C2 SECOND FLOOR PATTERN PLAN

SCALE: 1/8" = 1'-0"



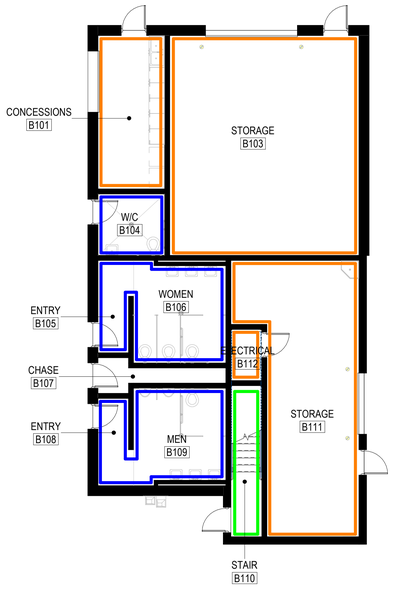
C3 SECOND FLOOR WALL PATTERN PLAN

SCALE: 1/8" = 1'-0"



E2 FIRST FLOOR PATTERN PLAN

SCALE: 1/8" = 1'-0"



E3 FIRST FLOOR WALL PATTERN PLAN

SCALE: 1/8" = 1'-0"

GENERAL NOTES - FLOOR & WALL PATTERN PLANS

RE: G611 for the Finish Schedule

RE: G612 for typical floor finish transition details

RE: Structural drawings for recessed slabs.

Floor Finish Transitions at Doors: Locate floor finish material transitions that occur at doors under the center of the door, UNO.

Floor Drains: Coordinate location of floor drains with Plumbing drawings.

LEGEND - INTERIOR ELEVATIONS

- PAINTED CMU - PT1
- PAINTED CMU - PT2
- PAINTED CMU - PT3
- PAINTED CMU - PT4
- DRINK COOLER, OFCI
- BOTTLE FILLING STATION - SEE DETAIL C2 / G200 ,SIM RE: PLUMBING
- LOCKER
- UNDERCOUNTER MOUNTED SINK
- ICE MACHINE, CFCI
- TTB — THERAPY TUB, CFCI
- TAPING TABLE
- MICROWAVE
- STAINLESS STEEL TABLE, OFOI
- WB — WHITEBOARD - SEE DETAIL A1 / G200

LEGEND - FLOOR PATTERN PLANS

- CARPET
- MOSAIC TILE
- POLISHED STAINED CONCRETE
- SEALED CONCRETE
- RUBBER SHEET
- POURED EPOXY FLOORING

LEGEND - WALL PATTERN PLANS

- WALL PATTERN TYPE 1 - HONED CMU
- WALL PATTERN TYPE 2 - PAINTED CMU
- WALL PATTERN TYPE 2 - PAINTED CMU
- WALL PATTERN TYPE 3 - FULL-HEIGHT TILE
- WALL PATTERN TYPE 4 - FULL-HEIGHT TILE
- WALL PATTERN TYPE 5 - FULL-HEIGHT TILE

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MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
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5/14/25
LICENSED ARCHITECT

MHTN PROJECT NO. 2017559

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ISSUE
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SHEET NAME
FLOOR & WALL PATTERN PLANS - PRESS BOX

SHEET NUMBER
A661B

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Autodesk Docs://2025507 PC Sport Complex/A24 2025507 PCHS Athletic Complex - Support Buildings.rvt
5/12/2025 11:29:22 AM

GENERAL NOTES - REFLECTED CEILING PLANS

RE: G700 for typical suspended ceiling details, including seismic bracing.

Ceiling Height: 9'-0" UNO. Where floor height varies in a room, ceiling height is shown at the entry to the room, UNO.

Ceiling Grid/Panel Alignment: The design intent of the Reflected Ceiling Plans is center ceiling grids or acoustical panels between walls in both directions, or to center grids in one direction, panels in the other. If the grid does not comply with the design intent, then coordinate with Architect to adjust the ceiling layout prior to installation.

Seismic Design Category: D: Heavy-duty suspension system required / Refer to Structural / Refer to Specifications.

Seismic Bracing: Rigid bracing required at ceilings over 1,000 SF and at all ceilings with fire sprinklers and other penetrations.

Seismic Control Joints: Provide seismic control joints in suspended acoustical ceilings greater than 2,500 SF.

Control Joints: Provide control joints in gypsum board ceilings at 30'-0" max spacing. Coordinate locations with Architect to align joints with other elements in the ceilings or on the walls.

Exposed Elements: Paint exposed structure, pipe, conduit and HVAC duct at open ceilings and at open areas around ceiling clouds. Color: PT1, see G610.

Walls to Deck: Extend all walls to deck, including all components of the wall assembly, UNO.

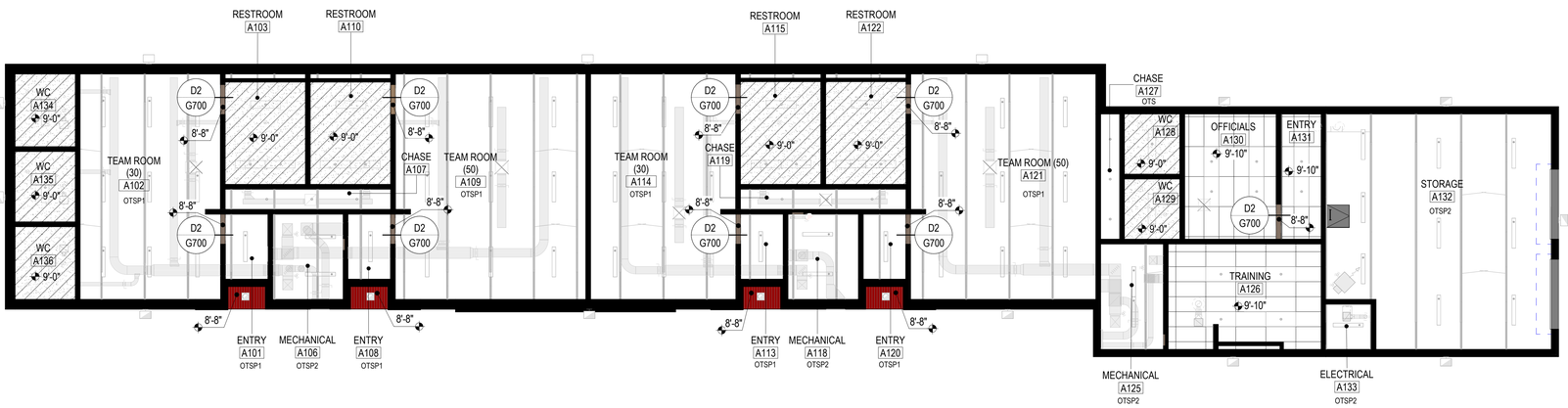
Fire Sprinklers: Center sprinkler heads in acoustical panels; run in straight lines in orthogonal, rectangular spaces.

Electrical, Mechanical and other Devices: Center in acoustical panels. Coordinate feature lighting layout with Architect prior to rough-in.

Keynotes: Not all keynotes apply to this sheet.

LEGEND - REFLECTED CEILING PLANS

- ACP1 - 24" X 48" ACOUSTICAL CEILING PANEL
- GB1 - EPOXY PAINTED GYPSUM BOARD
- 22 GAUGE 1/2" CORRUGATED PANEL BASIS OF DESIGN: FABRAL COLONIAL RED
- LIGHT FIXTURES SEE ELECTRICAL
- MANUAL ROLLER SHADE
- MECHANICAL DIFFUSERS - SEE MECHANICAL
- OTS — OPEN TO STRUCTURE
- OTSP — OPEN TO STRUCTURE - PAINTED



REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"

0 4' - 0" 8' - 0" 16' - 0"

N

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280 South 400 West, Suite 250
Salt Lake City, Utah 84101
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SHEET NAME
REFLECTED CEILING PLANS - TREASURE SUPPORT

SHEET NUMBER
A701A

RETURN TO SHEET INDEX

GENERAL NOTES - REFLECTED CEILING PLANS

RE: G700 for typical suspended ceiling details, including seismic bracing.

Ceiling Height: 9'-0" UNO. Where floor height varies in a room, ceiling height is shown at the entry to the room, UNO.

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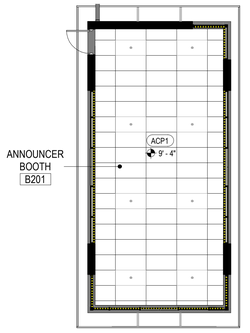
Keynotes: Not all keynotes apply to this sheet.

LEGEND - REFLECTED CEILING PLANS

- ACP1 - 24" X 48" ACOUSTICAL CEILING PANEL
- GB1 - EPOXY PAINTED GYPSUM BOARD
- 22 GAUGE 1/2" CORRUGATED PANEL BASIS OF DESIGN: FABRAL COLONIAL RED
- LIGHT FIXTURES SEE ELECTRICAL
- MANUAL ROLLER SHADE
- MECHANICAL DIFFUSERS - SEE MECHANICAL
- OTS — OPEN TO STRUCTURE
- OTSP — OPEN TO STRUCTURE - PAINTED

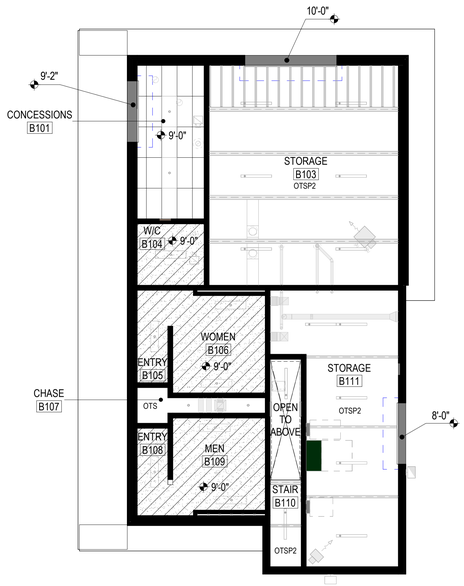


SECOND FLOOR REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"

0 4' - 0" 8' - 0" 16' - 0"

N



FIRST FLOOR REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"

0 4' - 0" 8' - 0" 16' - 0"

N

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280 South 400 West, Suite 250
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MAY 12, 2025

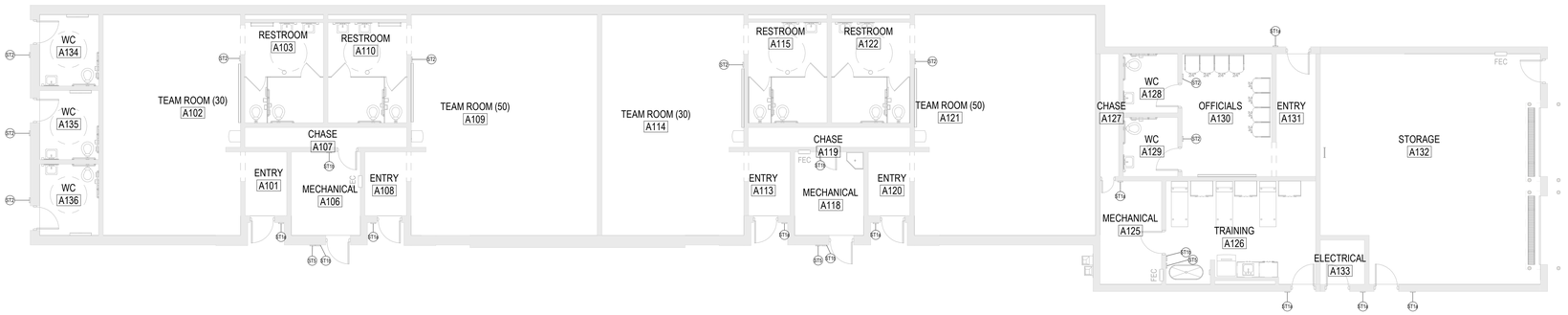
SHEET NAME
REFLECTED CEILING PLANS - PRESS BOX

SHEET NUMBER
A701B

RETURN TO SHEET INDEX

GENERAL NOTES - SIGNAGE

Mounting Heights: Comply with ADA Standards and ANSI A117.1 for mounting heights and clearances at signs.



SIGNAGE PLAN - FIRST FLOOR, TREASURE SUPPORT

SCALE: 1/8" = 1'-0"

0 4' - 0" 8' - 0" 16' - 0"

N

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MAY 12, 2025

SHEET NAME
SIGNAGE PLANS - TREASURE SUPPORT

SHEET NUMBER
A800A

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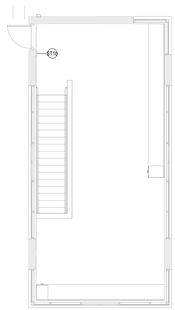
GENERAL NOTES - SIGNAGE

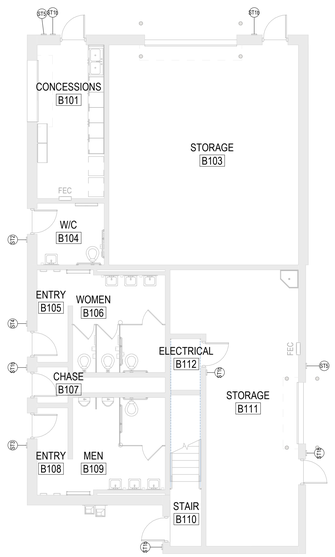
Mounting Heights: Comply with ADA Standards and ANSI A117.1 for mounting heights and clearances at signs.



SECOND FLOOR

SCALE: 1/8" = 1'-0"

0 4' - 0" 8' - 0" 16' - 0"



FIRST FLOOR

SCALE: 1/8" = 1'-0"

0 4' - 0" 8' - 0" 16' - 0"

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SHEET NAME
SIGNAGE PLANS - PRESS BOX

SHEET NUMBER
A800B

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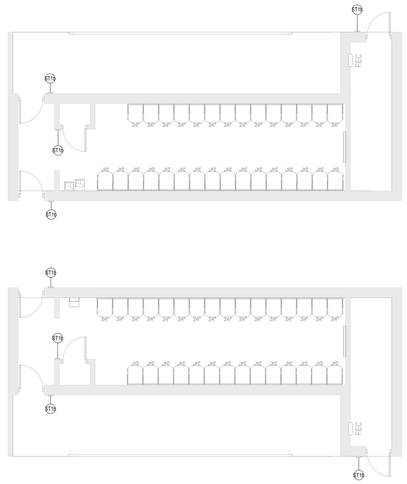
GENERAL NOTES - SIGNAGE

Mounting Heights: Comply with ADA Standards and ANSI A117.1 for mounting heights and clearances at signs.



SIGNAGE PLAN - FIRST FLOOR, TEAMROOM/DUGOUT

SCALE: 1/8" = 1'-0"

0 4' - 0" 8' - 0" 16' - 0"

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SHEET NAME
SIGNAGE PLANS - TEAM ROOM/ DUGOUT

SHEET NUMBER
A800C

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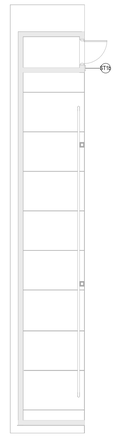
GENERAL NOTES - SIGNAGE

Mounting Heights: Comply with ADA Standards and ANSI A117.1 for mounting heights and clearances at signs.



SIGNAGE PLAN - FIRST FLOOR, DUGOUT

SCALE: 1/8" = 1'-0"

0 4' - 0" 8' - 0" 16' - 0"

N

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SHEET NAME
SIGNAGE PLANS & TYPES - DUGOUT

SHEET NUMBER
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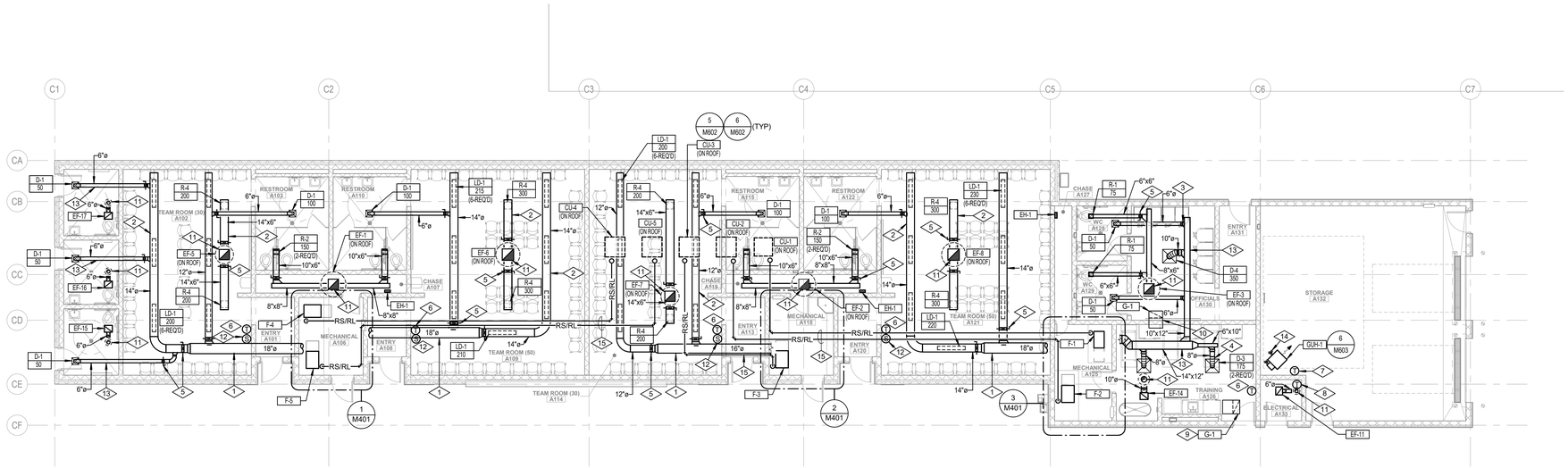
5/12/2025 11:29:39 AM

REFERENCE NOTES

1. DUCTWORK TO RUN EXPOSED AS HIGH AS POSSIBLE IN JOIST WEBBING. COORDINATE ROUTING WITH STRUCTURE AND ALL OTHER TRADES (TYPICAL).
2. DUCTWORK TO RUN EXPOSED AS HIGH AS POSSIBLE BETWEEN JOISTS. COORDINATE ROUTING WITH STRUCTURE AND ALL OTHER TRADES (TYPICAL).
3. HIGH EFFICIENCY TAKE-OFF FITTING WITH VOLUME CONTROL BALANCING DAMPER (TYPICAL).
4. FLEXIBLE DUCTWORK. MAXIMUM LENGTH 5'-0" (TYPICAL).
5. MANUAL VOLUME CONTROL BALANCING DAMPER (TYPICAL).
6. WALL MOUNTED HEATING/COOLING THERMOSTAT.
7. WALL MOUNTED HEATING THERMOSTAT.
8. WALL MOUNTED COOLING THERMOSTAT TO CONTROL OPERATION OF EXHAUST FAN.
9. PROVIDE DUCT BOARD SOUND BOOT AT RETURN AIR GRILLE (TYPICAL).
10. TRANSFER AIR DUCT ABOVE CEILING (TYPICAL).
11. EXHAUST AIR DUCT RISE THRU ROOF. MAINTAIN A MINIMUM OF 15'-0" FROM ALL OUTSIDE AIR INTAKES.
12. WALL SWITCH WITH 0-2 HOUR TIMER & PILOT LIGHT TO CONTROL EXHAUST FAN.
13. DUCTWORK TO RUN AS HIGH AS POSSIBLE ABOVE CEILING. COORDINATE ROUTING WITH ALL TRADES (TYPICAL).
14. FACTORY VENT/INTAKE ROOF TERMINATION KIT. COORDINATE WITH STRUCTURE AND ALL TRADES.
15. REFRIGERANT LINE SETS. RUN EXPOSED AS HIGH AS POSSIBLE TIGHT TO DECK.



FIRST FLOOR MECHANICAL PLAN

0 4' - 0" 8' - 0" 16' - 0"

SCALE: 1/8" = 1'-0"

N

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5534524-2202
JAMES AUSTIN BERRETT
UTAH

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SHEET NAME
MECHANICAL FLOOR PLAN - TREASURE SUPPORT

SHEET NUMBER
M101A

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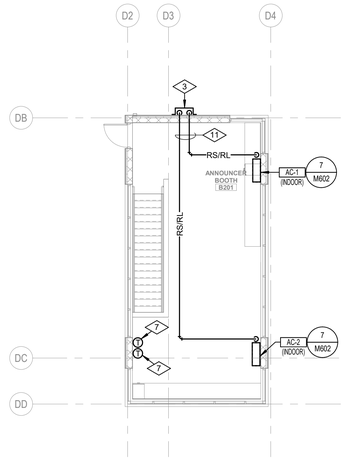
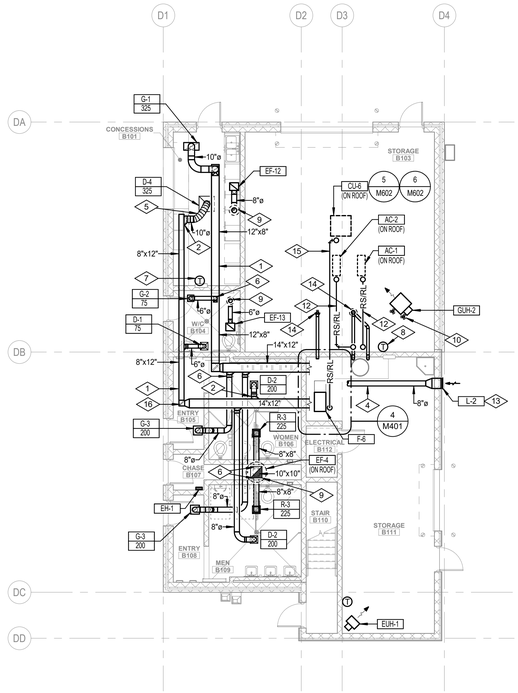


SECOND FLOOR MECHANICAL PLAN - PRESS BOX

0 4' - 0" 8' - 0" 16' - 0"

SCALE: 1/8" = 1'-0"



FIRST FLOOR MECHANICAL PLAN - PRESS BOX

0 4' - 0" 8' - 0" 16' - 0"

SCALE: 1/8" = 1'-0"

REFERENCE NOTES

#	
1	DUCTWORK TO RUN AS HIGH AS POSSIBLE ABOVE CEILING. COORDINATE ROUTING WITH ALL TRADES (TYPICAL).
2	HIGH EFFICIENCY TAKE-OFF FITTING WITH VOLUME CONTROL BALANCING DAMPER (TYPICAL).
3	PROVIDE PAINTLOK METAL COVER TO PROTECT REFRIGERANT PIPING RUNNING ON EXTERIOR WALL.
4	DUCTWORK TO RUN EXPOSED AS HIGH AS POSSIBLE. COORDINATE ROUTING WITH STRUCTURE AND ALL OTHER TRADES.
5	FLEXIBLE DUCTWORK. MAXIMUM LENGTH 5'-0" (TYPICAL).
6	MANUAL VOLUME CONTROL BALANCING DAMPER (TYPICAL).
7	WALL MOUNTED HEATING/COOLING THERMOSTAT.
8	WALL MOUNTED HEATING THERMOSTAT.
9	EXHAUST AIR DUCT RISE THRU ROOF. MAINTAIN A MINIMUM OF 15'-0" FROM ALL OUTSIDE AIR INTAKES.
10	FACTORY VENT/INTAKE ROOF TERMINATION KIT. COORDINATE WITH STRUCTURE AND ALL TRADES.
11	REFRIGERANT LINE SETS. RUN ABOVE CEILING AS HIGH AS POSSIBLE TIGHT TO DECK.
12	REFRIGERANT LINE SETS TO RUN ON ROOF.
13	COORDINATE ALL LOUVER LOCATIONS AND ELEVATIONS WITH ARCHITECT PRIOR TO INSTALLATION (TYPICAL).
14	CONCENTRIC VENT KIT THRU ROOF. SEE DETAIL 4/M603 (TYPICAL).
15	REFRIGERANT LINE SETS TO RUN EXPOSED AS HIGH AS POSSIBLE TIGHT TO DECK.
16	TURNING VANES (TYPICAL).

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MHTN Architects, Inc.
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PARK CITY, UT 84060

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6334524-2202
JAMES AUSTIN BERRETT
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MECHANICAL FLOOR PLANS - PRESS BOX

SHEET NUMBER
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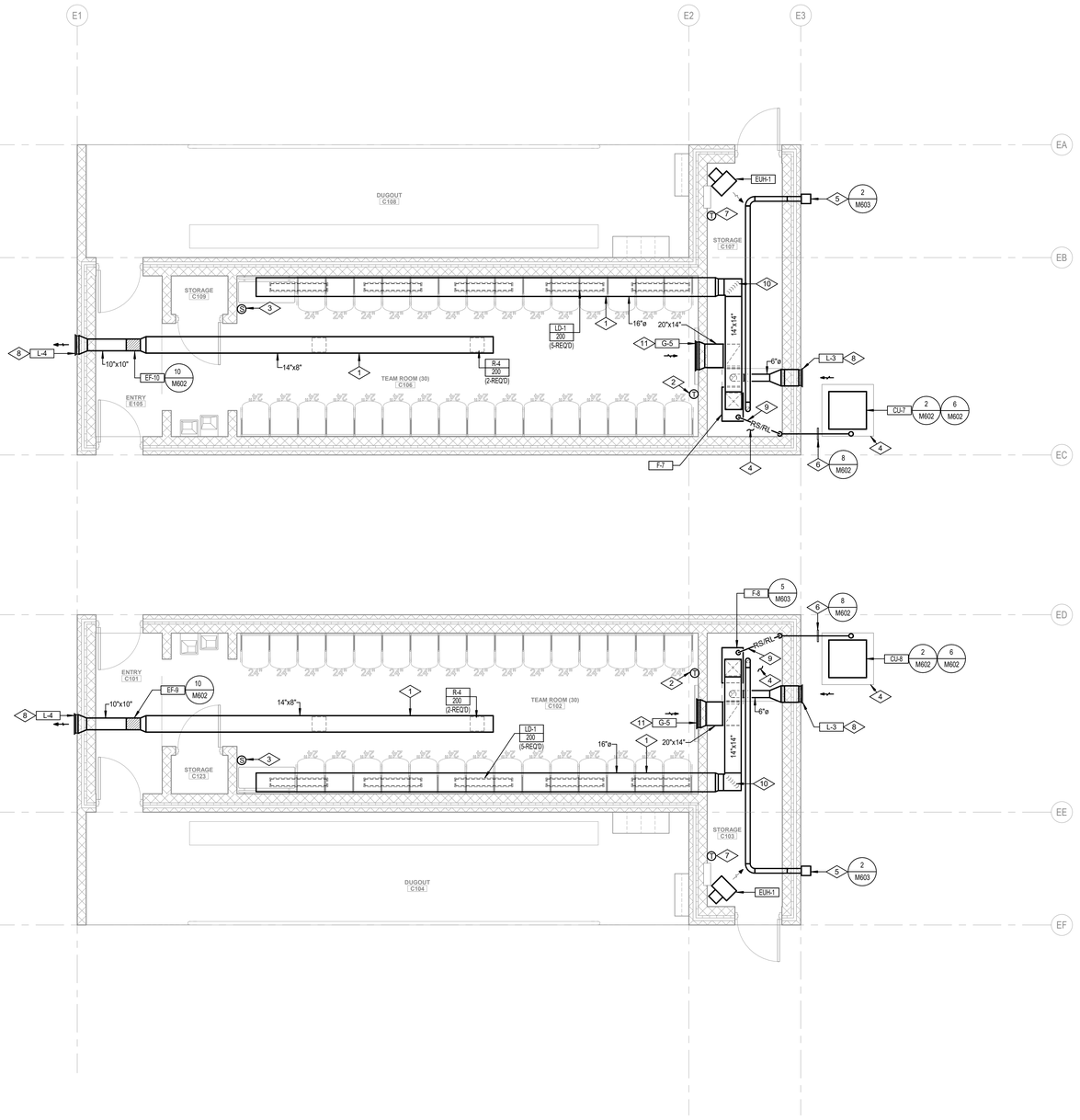


FIRST FLOOR MECHANICAL PLAN

0 2' - 0" 4' - 0" 8' - 0"

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

N

REFERENCE NOTES

1. DUCTWORK TO RUN EXPOSED AS HIGH AS POSSIBLE (TYPICAL).
2. WALL MOUNTED HEATING/COOLING THERMOSTAT. COORDINATE LOCATION WITH WHITE BOARD.
3. WALL SWITCH WITH 0-2 HOUR TIMER & PILOT LIGHT TO CONTROL EXHAUST FAN.
4. 4" CONCRETE HOUSEKEEPING PAD.
5. FACTORY VENT/INTAKE TERMINATION. MOUNT AS HIGH AS POSSIBLE. COORDINATE EXACT LOCATION AND ELEVATION WITH ARCHITECT.
6. PROVIDE SUPPORTS FOR REFRIGERANT PIPING AS NEEDED (TYPICAL).
7. WALL MOUNTED HEATING THERMOSTAT.
8. COORDINATE ALL LOUVER LOCATIONS AND ELEVATIONS WITH ARCHITECT PRIOR TO INSTALLATION (TYPICAL).
9. REFRIGERANT LINE SETS TO RUN EXPOSED AS HIGH AS POSSIBLE TIGHT TO DECK.
10. TURNING VANES (TYPICAL).
11. MOUNT GRILLE 8'-0" MINIMUM ABOVE FINISHED FLOOR. COORDINATE EXACT ELEVATION WITH ARCHITECTRUAL PLANS.

MHTN ARCHITECTS
MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
www.mhtn.com

OLSEN & PETERSON consulting engineers, inc.
14 East 2700 South, Salt Lake City, UT 84115
Phone: (801) 485-4848 Fax: (801) 467-2525

PARK CITY SCHOOL DISTRICT

PARK CITY SCHOOL DISTRICT

TREASURE MOUNTAIN SPORTS COMPLEX

1750 KEARNS BLVD
PARK CITY, UT 84060

SEAL

LICENSED PROFESSIONAL ENGINEER
9334524-2202
JAMES AUSTIN BERRETT
5/12/2025
UTAH

MHTN PROJECT NO. 2017559

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

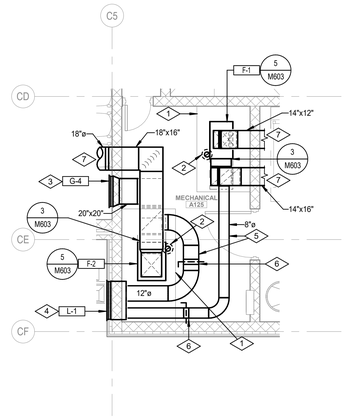
NO.	DATE	DESCRIPTION

ISSUE
BID PACKAGE #1
MAY 12, 2025

SHEET NAME
MECHANICAL FLOOR PLANS - TEAM ROOM/ DUGOUT

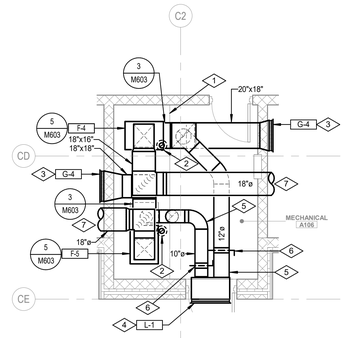
SHEET NUMBER
M101C

RETURN TO SHEET INDEX



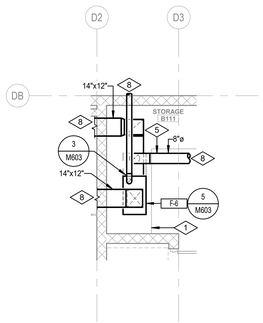
3 ENLARGED MECHANICAL C125 PLAN - TREASURE SUPPORT

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



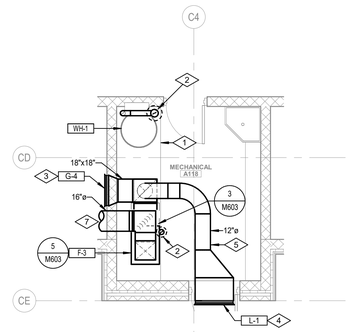
1 ENLARGED MECHANICAL C106 PLAN - TREASURE SUPPORT

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



4 ENLARGED MECHANICAL D111 PLAN - PRESS BOX

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



2 ENLARGED MECHANICAL C118 PLAN - TREASURE SUPPORT

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

REFERENCE NOTES

1. 4" CONCRETE HOUSEKEEPING PAD.
2. CONCENTRIC VENT KIT THRU ROOF. SEE DETAIL 4/M603 (TYPICAL).
3. MOUNT GRILLE 8'-0" MINIMUM ABOVE FINISHED FLOOR. COORDINATE EXACT ELEVATION WITH ARCHITECTRUAL PLANS.
4. COORDINATE ALL LOUVER LOCATIONS AND ELEVATIONS WITH ARCHITECT PRIOR TO INSTALLATION (TYPICAL).
5. DUCTWORK TO RUN EXPOSED AS HIGH AS POSSIBLE. COORDINATE WITH STRUCTURE AND ALL TRADES.
6. MANUAL VOLUME CONTROL BALANCING DAMPER (TYPICAL).
7. SEE SHEET M101A FOR CONTINUATION.
8. SEE SHEET M101B FOR CONTINUATION.

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Telefax (801) 595-6717
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SHEET NAME
ENLARGED MECHANICAL PLANS

SHEET NUMBER
M401

RETURN TO SHEET INDEX

MECHANICAL EQUIPMENT SCHEDULES

DIFFUSER SCHEDULE

SYMBOL	TYPE	SIZE	FACE SIZE	LOCATION	AIR PATTERN	MAKE & MODEL	NOTES
D-1	SUPPLY	6"ø	12"x12"	CEILING	4-WAY	PRICE - SPD	(1)(2)
D-2	SUPPLY	8"ø	12"x12"	CEILING	4-WAY	PRICE - SPD	(1)(2)
D-3	SUPPLY	8"ø	24"x24"	CEILING	4-WAY	PRICE - SPD	(1)(2)
D-4	SUPPLY	10"ø	24"x24"	CEILING	4-WAY	PRICE - SPD	(1)(2)

NOTES:
1. DIFFUSER SUPPLIER SHALL COORDINATE W/ REFLECTED CEILING PLANS TO DETERMINE TYPE OF FRAMES.
2. COLOR & FINISH TO MATCH CEILING GRID. COORDINATE WITH ARCHITECT.

LINEAR DIFFUSER SCHEDULE

SYMBOL	TYPE	NUMBER OF SLOTS	SIZE	AIR PATTERN	MAKE & MODEL	NOTES
LD-1	SUPPLY	2-SLOT	48"x6"	ADJUSTABLE	PRICE SDS75	(1)

NOTES:
1. TO HAVE ANODIZED ALUMINUM FINISH.

LOUVER SCHEDULE

SYMBOL	TYPE	SIZE	LOCATION	MAKE & MODEL	NOTES
L-1	OUTSIDE AIR	30"x30"	WALL-HIGH	AIROLITE K609HP	(1)(2)
L-2	OUTSIDE AIR	16"x16"	WALL-HIGH	AIROLITE K609HP	(1)(2)
L-3	OUTSIDE AIR	14"x20"	WALL-HIGH	AIROLITE K609HP	(1)(2)
L-4	EXHAUST	16"x16"	WALL-HIGH	AIROLITE K609HP	(1)(2)

NOTES:
1. PROVIDE 1/2" MESH BRONZE BIRDSCREEN.
2. COORDINATE EXACT MOUNTING LOCATIONS WITH ARCHITECTURAL ELEVATIONS.

REGISTER SCHEDULE

SYMBOL	TYPE	SIZE	LOCATION	MAKE & MODEL	NOTES
R-1	EXHAUST	8"x8"	CEILING	PRICE 530D	(1)
R-2	EXHAUST	10"x10"	CEILING	PRICE 530D	(1)
R-3	EXHAUST	12"x12"	CEILING	PRICE 530D	(1)(2)
R-4	EXHAUST	12"x12"	DUCT MOUNTED	PRICE 530D	(1)

NOTES:
1. REGISTER SHALL HAVE FIXED LOUVER FACE WITH FLANGED FRAME FOR SURFACE MOUNTING.
2. REGISTER TO BE COMPLETE WITH OPPOSED BLADE VOLUME DAMPER.

GRILLES SCHEDULE

SYMBOL	TYPE	SIZE	LOCATION	MAKE & MODEL	NOTES
G-1	RETURN	24"x12"	CEILING	PRICE 535	(1)(2)(3)
G-2	RETURN	10"x10"	CEILING	PRICE 535	(1)(2)
G-3	RETURN	14"x14"	CEILING	PRICE 535	(1)(2)
G-4	RETURN	24"x24"	WALL-HIGH	PRICE 510Z	(2)(4)
G-5	RETURN	24"x14"	WALL-HIGH	PRICE 510Z	(2)(4)

NOTES:
1. GRILLE SUPPLIER SHALL COORDINATE W/ REFLECTED CEILING PLANS TO DETERMINE TYPE OF FRAMES.
2. COORDINATE COLOR & FINISH WITH ARCHITECT.
3. GRILLE SHALL FIT IN T-BAR CEILING.
4. GRILLE TO BE HEAVY DUTY STEEL AND HAVE SURFACE MOUNTING FRAME.

FURNACE SCHEDULE

SYMBOL	ARRANGMENT	CFM	HEATING MBH 2-STAGE INPUT/OUTPUT	E.S.P	O.A. CFM	COOLING COIL MBH	COOLING COND.	VOLTAGE	MCA	MOCP	SPEED (5)	MAKE & MODEL (1)(2)(3)(4)
F-1	UPFLOW	800	60.0 / 58.0	0.60"	241	17.53	95 DEG.F.	120/1/60	10.1	15	VARIABLE	CARRIER, TRANE OR APPROVED EQUAL
F-2	UPFLOW	1700	80.0 / 78.0	0.75"	619	41.85	95 DEG.F.	120/1/60	10.0	15	VARIABLE	CARRIER, TRANE OR APPROVED EQUAL
F-3	UPFLOW	1300	60.0 / 58.0	0.60"	419	33.20	95 DEG.F.	120/1/60	10.1	15	VARIABLE	CARRIER, TRANE OR APPROVED EQUAL
F-4	UPFLOW	1600	80.0 / 78.0	0.60"	620	41.52	95 DEG.F.	120/1/60	10.0	15	VARIABLE	CARRIER, TRANE OR APPROVED EQUAL
F-5	UPFLOW	1450	60.0 / 58.0	0.60"	419	33.20	95 DEG.F.	120/1/60	10.1	15	VARIABLE	CARRIER, TRANE OR APPROVED EQUAL
F-6	UPFLOW	800	60.0 / 58.0	0.75"	120	17.53	95 DEG.F.	120/1/60	10.1	15	VARIABLE	CARRIER, TRANE OR APPROVED EQUAL
F-7	UPFLOW	1000	60.0 / 58.0	0.60"	360	21.88	95 DEG.F.	120/1/60	10.1	15	VARIABLE	CARRIER, TRANE OR APPROVED EQUAL
F-8	UPFLOW	1000	60.0 / 58.0	0.60"	360	21.88	95 DEG.F.	120/1/60	10.1	15	VARIABLE	CARRIER, TRANE OR APPROVED EQUAL

NOTES:
1. FURNACES TO BE COMPLETE WITH MATCHING CASED DX COOLING COILS, VARIABLE SPEED BLOWER AND FACTORY CONCENTRIC FLUE / INTAKE KITS.
2. TWO-STAGE HIGH/LOW GAS FIRED FURNACE.
3. PROVIDE EXTERNAL FILTER SECTION WITH HINGED 2" FACTORY FILTER BOX.
4. CAPACITIES BASED ON 80 DEG. F. DB, 62 DEG. F. WB, 95 DEG. EAT.
5. ECM MOTOR.

CONDENSING UNIT SCHEDULE

SYMBOL	SERVES	COOLING COIL MBH	SEER	E.A.T.	VOLTAGE	MCA	MOCP	UNIT WTS. LBS	MAKE & MODEL (2)(3)	NOTES
CU-1	F-1	17.53	16.5	95 DEG. F.	208/1/60	10.0	15	150	CARRIER, TRANE OR APPROVED EQUAL	(1)
CU-2	F-2	41.85	15.0	95 DEG. F.	208/1/60	25.5	40	282	CARRIER, TRANE OR APPROVED EQUAL	(1)
CU-3	F-3	33.20	16.0	95 DEG. F.	208/1/60	20.9	35	241	CARRIER, TRANE OR APPROVED EQUAL	(1)
CU-4	F-4	41.52	15.0	95 DEG. F.	208/1/60	25.5	40	282	CARRIER, TRANE OR APPROVED EQUAL	(1)
CU-5	F-5	33.20	16.0	95 DEG. F.	208/1/60	20.9	35	241	CARRIER, TRANE OR APPROVED EQUAL	(1)
CU-6	F-6	17.53	16.5	95 DEG. F.	208/1/60	10.0	15	150	CARRIER, TRANE OR APPROVED EQUAL	(1)
CU-7	F-7	21.88	16.0	95 DEG. F.	208/1/60	13.6	20	164	CARRIER, TRANE OR APPROVED EQUAL	(4)
CU-8	F-8	21.88	16.0	95 DEG. F.	208/1/60	13.6	20	164	CARRIER, TRANE OR APPROVED EQUAL	(4)

NOTES:
1. MOUNT CONDENSING UNIT ON DETAILED ROOF CURB WITH 1" THICK NEOPRENE VIBRATION ISOLATORS AT EACH CORNER.
2. PROVIDE SEISMIC HOLD DOWN CLIPS-4 PER CONDENSING UNIT.
3. CAPACITIES BASED ON 80 DEG. F. DB, 62 DEG. F. WB, 95 DEG. EAT.
4. SEE DETAIL 2/M602.

GAS UNIT HEATER

SYMBOL	LOCATION	TYPE	CFM	GAS - HEATING CAPACITY		VENT / INTAKE	POWER	MAKE & MODEL	NOTES
				GAS MBH INPUT	GAS MBH OUTPUT				
GUH-1	STORAGE C132	HORIZONTAL	629	45	37.4	4" DIA.	0.03 H.P. 120/1/60	REZNOR UDXC 45	(1)
GUH-2	STORAGE D103	HORIZONTAL	629	45	37.4	4" DIA.	0.03 H.P. 120/1/60	REZNOR UDXC 45	(1)

NOTES:
1. PROVIDE FACTORY ROOF VENT/INTAKE TERMINATION KIT.

EXHAUST FAN SCHEDULE

SYMBOL	LOCATION	TYPE	CFM	E.S.P	MOTOR	DRIVE	UNIT WTS. LBS	MAKE & MODEL	NOTES
EF-1	TREASURE SUPPORT	ROOF	300	0.375"	1/8 H.P. 120/1/60	DIRECT	69	TWIN CITY VC 098	(1)(3)
EF-2	TREASURE SUPPORT	ROOF	300	0.375"	1/8 H.P. 120/1/60	DIRECT	69	TWIN CITY VC 098	(1)(3)
EF-3	TREASURE SUPPORT	ROOF	150	0.35"	1/8 H.P. 120/1/60	DIRECT	61	TWIN CITY VC 083	(1)(3)
EF-4	PRESS BOX	ROOF	450	0.375"	1/8 H.P. 120/1/60	DIRECT	43	TWIN CITY DCRD 085B	(1)(3)
EF-5	TREASURE SUPPORT	ROOF	400	0.25"	1/15 H.P. 120/1/60	DIRECT	37	TWIN CITY VC 112	(1)(4)
EF-6	TREASURE SUPPORT	ROOF	600	0.25"	1/4 H.P. 120/1/60	BELT	74	TWIN CITY BCRD 100D	(1)(4)
EF-7	TREASURE SUPPORT	ROOF	400	0.25"	1/15 H.P. 120/1/60	DIRECT	37	TWIN CITY VC 112	(1)(4)
EF-8	TREASURE SUPPORT	ROOF	600	0.25"	1/4 H.P. 120/1/60	BELT	74	TWIN CITY BCRD 100D	(1)(4)
EF-9	TEAM ROOM / DUGOUT	INLINE	400	0.25"	1/3 H.P. 120/1/60	DIRECT	--	TWIN CITY T500L	(4)
EF-10	TEAM ROOM / DUGOUT	INLINE	400	0.25"	1/3 H.P. 120/1/60	DIRECT	--	TWIN CITY T500L	(4)
EF-11	TREASURE SUPPORT	CEILING	75	0.125"	1/15 H.P. 120/1/60	DIRECT	10	TWIN CITY T 110H	(2)(5)
EF-12	PRESS BOX	CEILING	150	0.125"	1/6 H.P. 120/1/60	DIRECT	23	TWIN CITY T 150H	(2)(4)
EF-13	PRESS BOX	CEILING	75	0.125"	1/15 H.P. 120/1/60	DIRECT	10	TWIN CITY T 110H	(2)(3)
EF-14	TREASURE SUPPORT	CEILING	280	0.125"	1/3 H.P. 120/1/60	DIRECT	23	TWIN CITY T 300H	(2)(4)
EF-15	TREASURE SUPPORT	CEILING	75	0.125"	1/15 H.P. 120/1/60	DIRECT	10	TWIN CITY T 110H	(2)(3)
EF-16	TREASURE SUPPORT	CEILING	75	0.125"	1/15 H.P. 120/1/60	DIRECT	10	TWIN CITY T 110H	(2)(3)
EF-17	TREASURE SUPPORT	CEILING	75	0.125"	1/15 H.P. 120/1/60	DIRECT	10	TWIN CITY T 110H	(2)(3)

NOTES:
1. EXHAUST FANS TO BE ROOF-MOUNTED CENTRIFUGAL TYPE, COMPLETE WITH SPUN ALUMINUM HOOD, BIRDSCREEN, DISCONNECT SWITCH UNDER HOOD, 24" HIGH PREFAB CURB AND BACKDRAFT DAMPER.
2. CEILING MOUNTED EXHAUST FANS TO BE COMPLETE WITH SIGHT TIGHT BAR-TYPE CEILING GRILLE, BACKDRAFT DAMPERS AND FLEXIBLE CONNECTION ON DISCHARGE DUCT.
3. FAN TO SWITCH WITH ROOM LIGHTS AND HAVE A 10 MINUTE DELAY AFTER LIGHTS ARE OFF.
4. FAN TO OPERATE ON WALL SWITCH WITH 0-2 HOUR TIMER AND PILOT LIGHT. BY ATC CONTRACTOR.
5. FAN TO OPERATE ON COOLING THERMOSTAT WITH MANUAL OVERRIDE. BY ATC CONTRACTOR.

AC-1 *HEAT PUMP*

INDOOR UNIT: HEAT PUMP, WALL MOUNTED, HORIZONTAL DISCHARGE, 320-370-425 CFM, 8,000-18,000 BTUH TOTAL COOLING CAPACITY AT 95°F O.A. TEMP, 80°F D.B. & 67°F W.B., 8,000-20,000 BTUH TOTAL HEATING CAPACITY AT 47°F O.A. TEMP, 70°F D.B. & 60°F W.B. MCA=1.0, 208/230/1/60 MOTOR TO BE UL LISTED. UNIT TO BE COMPLETE WITH CLEANABLE FILTER, INTEGRAL CONDENSATE PUMP, CHECK & EXPANSION VALVE KIT, PRE-CHARGED LINE SET, DRIP PAN AND DRAIN CONNECTION. PROVIDE WALL MOUNTED THERMOSTAT WITH NIGHT SET BACK. THERMOSTAT SHALL BE HARD WIRED TO UNIT.
UNIT DIM: 35 3/8" LENGTH X 11 5/8" HEIGHT X 9 13/16" DEPTH.
WEIGHT: 29 LBS.
EER : 9.5
COP : 2.83
MANUFACTURER: MITSUBISHI OR LG
MODEL: PKA-A18HA4

OUTDOOR UNIT: AIR COOLED, HORIZONTAL DISCHARGE, INVERTER COMPRESSOR, UNIT TO BE MOUNTED ON ROOF. 8,000-18,000 BTUH TOTAL COOLING CAPACITY AT 95°F O.A. TEMP, 80°F D.B. & 67°F W.B., 8,000-20,000 BTUH TOTAL HEATING CAPACITY AT 47°F O.A. TEMP, 70°F D.B. & 60°F W.B., MCA=13, 208/230/1/60. UNIT TO BE COMPLETE WITH CRANKCASE HEATER, AMBIENT CONTROL KIT TO 0°F, AND ALL CONTROLS FOR AUTOMATIC OPERATION. CONTRACTOR TO PROVIDE A ROOF CURB 18" ABOVE FINISHED ROOF LEVEL.
UNIT DIM: 31 1/2" LENGTH X 23 5/8" HEIGHT X 11 3/16" WIDTH.
WEIGHT: 91 LBS.
MANUFACTURER: MITSUBISHI OR LG

AC-2 *HEAT PUMP*

INDOOR UNIT: HEAT PUMP, WALL MOUNTED, HORIZONTAL DISCHARGE, 320-370-425 CFM, 8,000-18,000 BTUH TOTAL COOLING CAPACITY AT 95°F O.A. TEMP, 80°F D.B. & 67°F W.B., 8,000-20,000 BTUH TOTAL HEATING CAPACITY AT 47°F O.A. TEMP, 70°F D.B. & 60°F W.B. MCA=1.0, 208/230/1/60 MOTOR TO BE UL LISTED. UNIT TO BE COMPLETE WITH CLEANABLE FILTER, INTEGRAL CONDENSATE PUMP, CHECK & EXPANSION VALVE KIT, PRE-CHARGED LINE SET, DRIP PAN AND DRAIN CONNECTION. PROVIDE WALL MOUNTED THERMOSTAT WITH NIGHT SET BACK. THERMOSTAT SHALL BE HARD WIRED TO UNIT.
UNIT DIM: 35 3/8" LENGTH X 11 5/8" HEIGHT X 9 13/16" DEPTH.
WEIGHT: 29 LBS.
EER : 9.5
COP : 2.83
MANUFACTURER: MITSUBISHI OR LG
MODEL: PKA-A18HA4

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UNIT DIM: 31 1/2" LENGTH X 23 5/8" HEIGHT X 11 3/16" WIDTH.
WEIGHT: 91 LBS.
MANUFACTURER: MITSUBISHI OR LG

ELECTRIC WALL HEATER SCHEDULE

SYMBOL	TYPE	SIZE	CFM	WATTS	VOLTAGE	AMPS	MAKE & MODEL	NOTES
EH-1	SURFACE MTD.	10"W x 13"H x 4"D	100	1000	208/1/60	4.8	MARKEL F3052TDWB	(1)

NOTES:
1. PROVIDE DISCONNECT AND INTEGRAL THERMOSTAT.

ELECTRIC UNIT HEATER

SYMBOL	CFM	BTUH	TYPE	VOLTAGE	AMPS	MAKE & MODEL	NOTES
EUH-1	400	11,200	HORIZONTAL	208/1/60	15.9	MARKEL 5100 - F1F5103N	(1)

NOTES:
1. PROVIDE MOUNTING BRACKET, DISCONNECT, SUMMER FAN SWITCH AND THERMOSTAT.

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Salt Lake City, Utah 84101
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Telefax (801) 595-6717
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SHEET NAME
MECHANICAL SCHEDULES

SHEET NUMBER
M501

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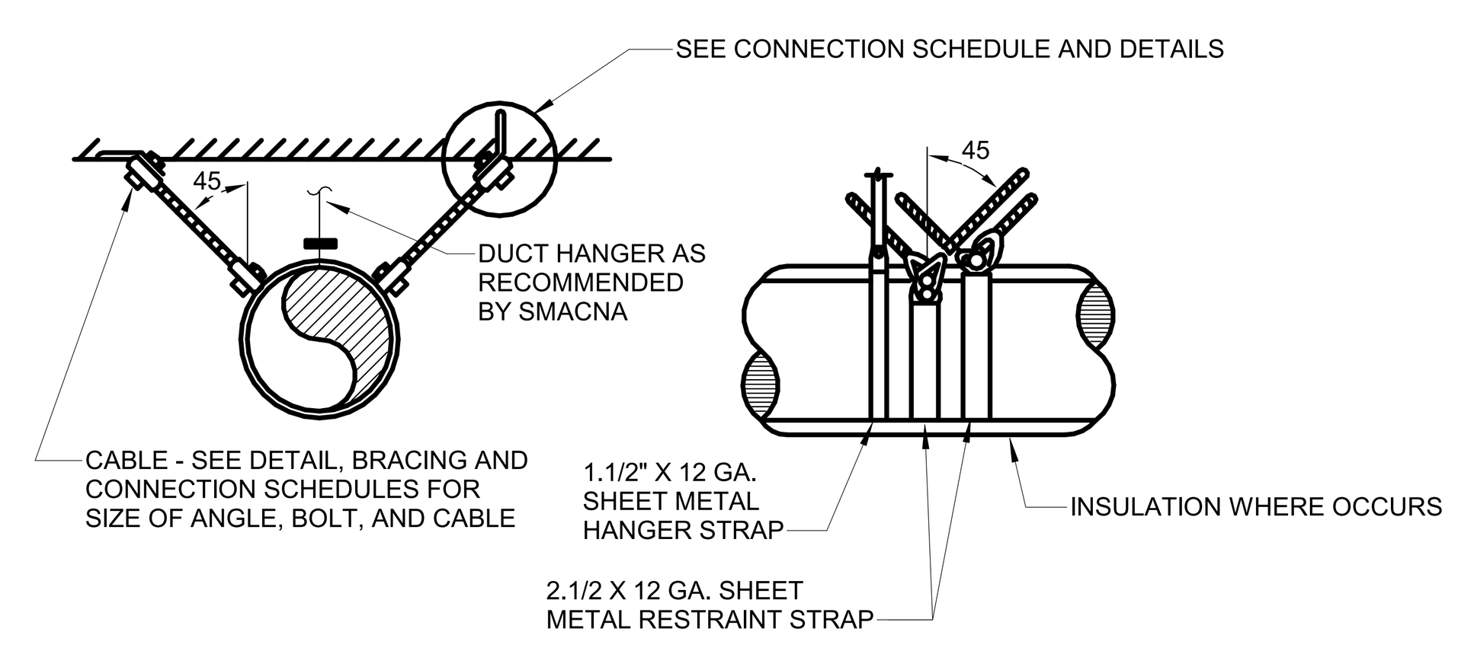
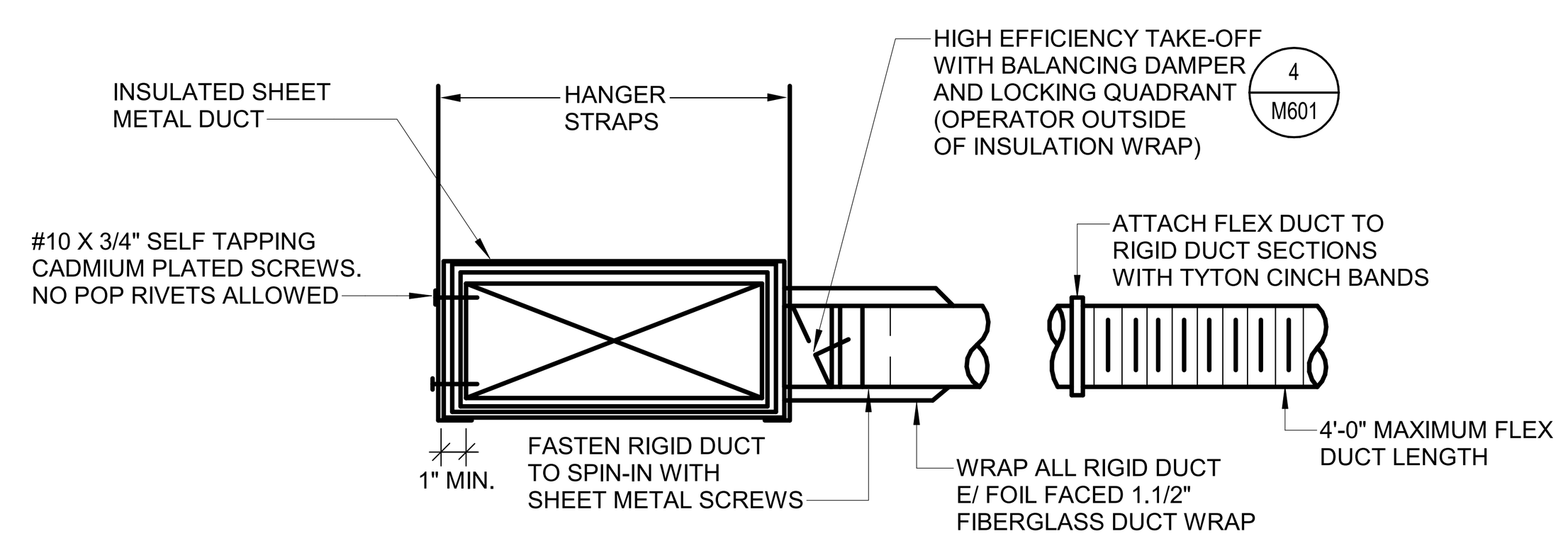


CABLE BRACING FOR ROUND DUCTS

SCALE: NTS

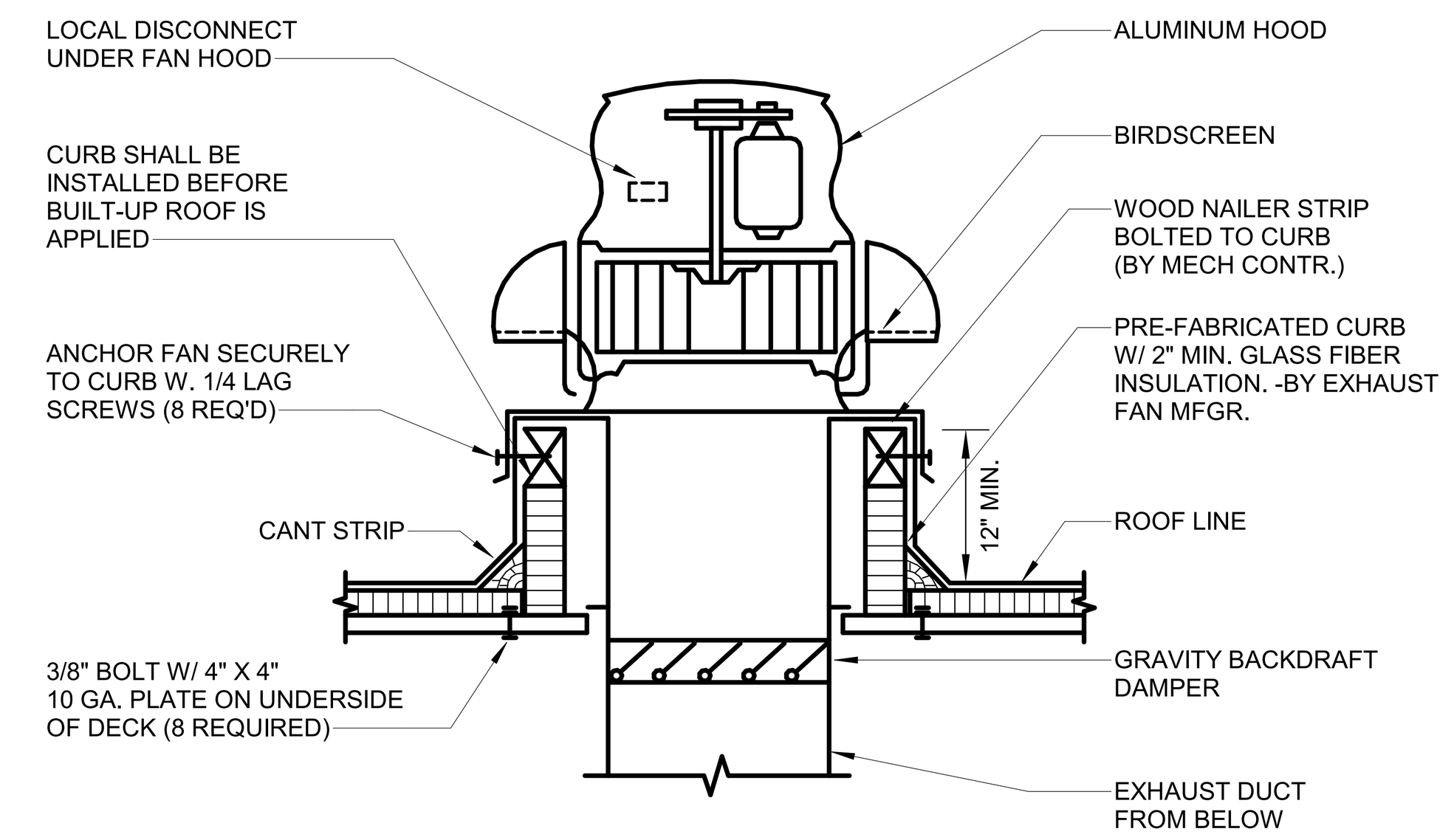
9 M601



FLEX DUCT H.E.T. FITTING DETAIL

SCALE: NTS

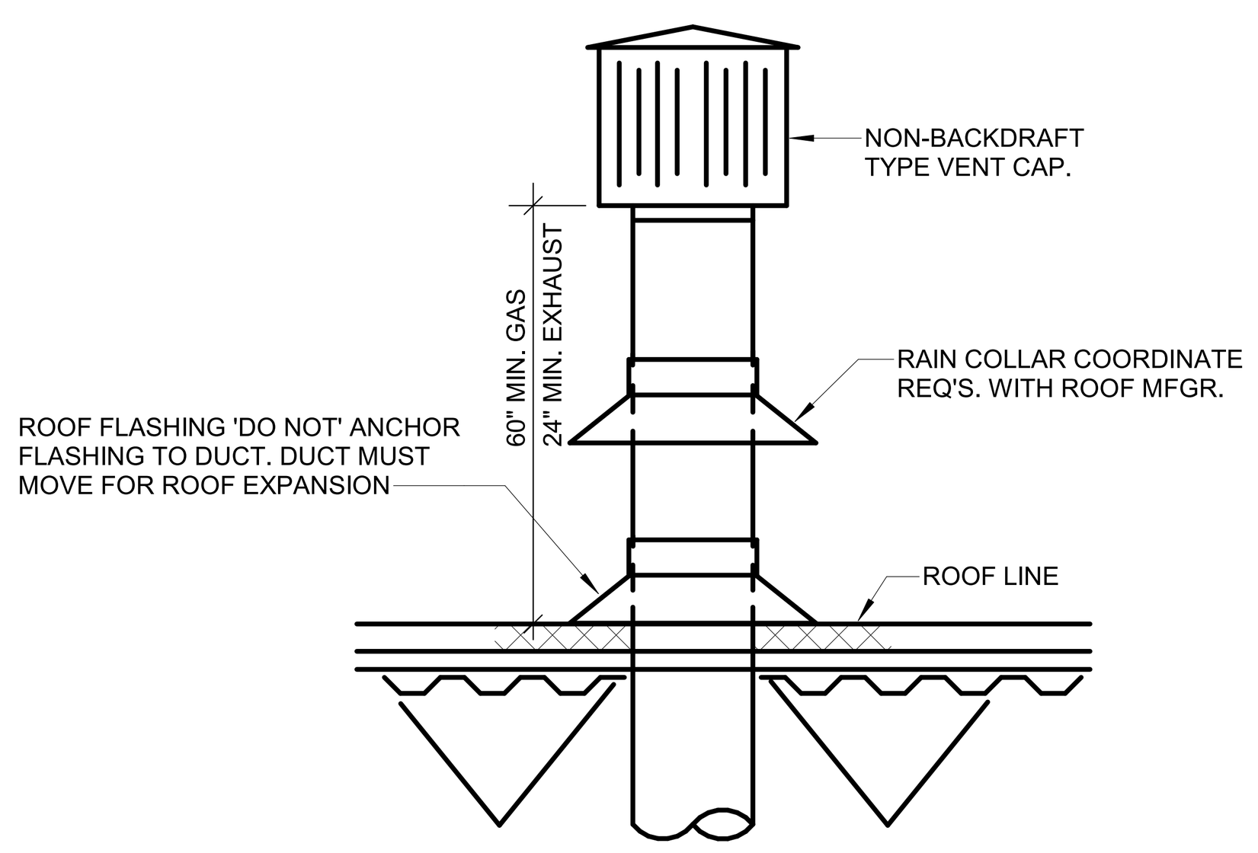
5 M601



ROOF MOUNTED EXHAUST FAN DETAIL

SCALE: NTS

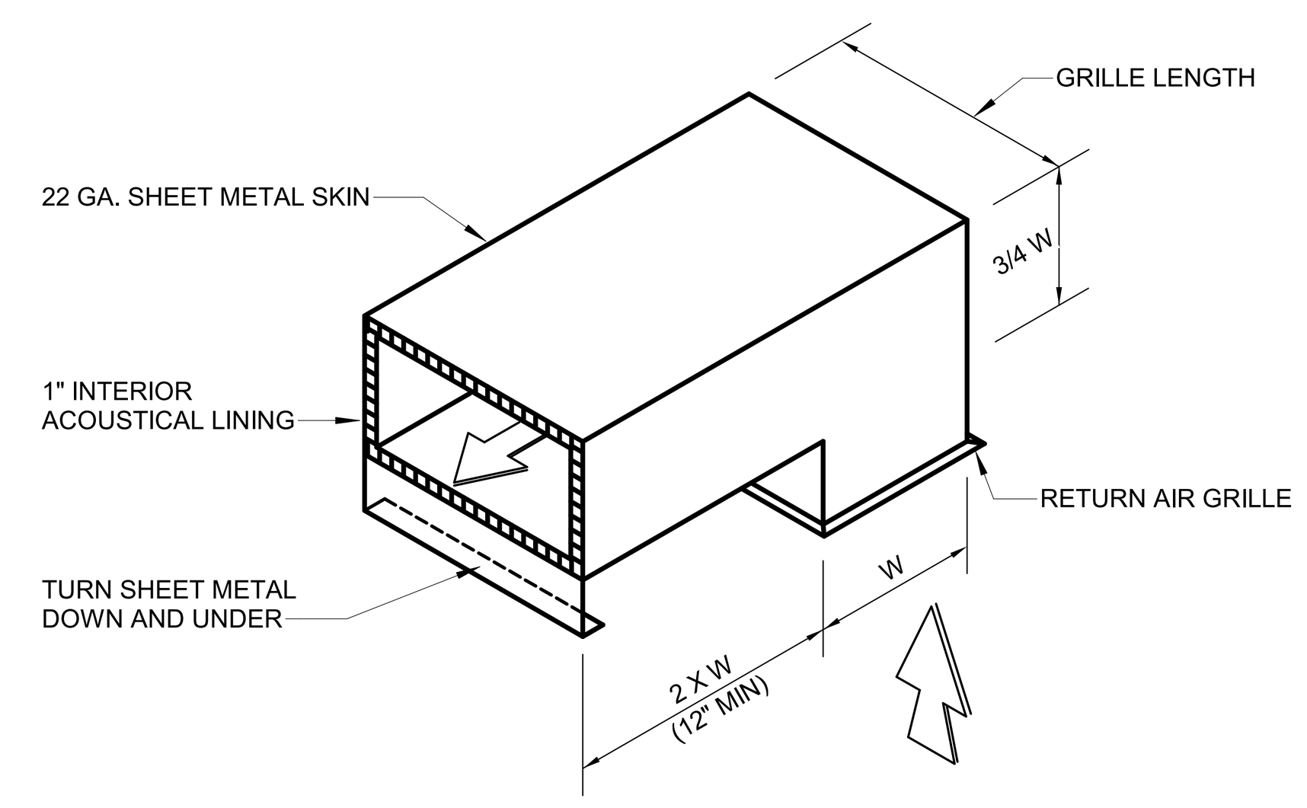
1 M601



TYPICAL DUCT PENETRATION AT ROOF DETAIL

SCALE: NTS

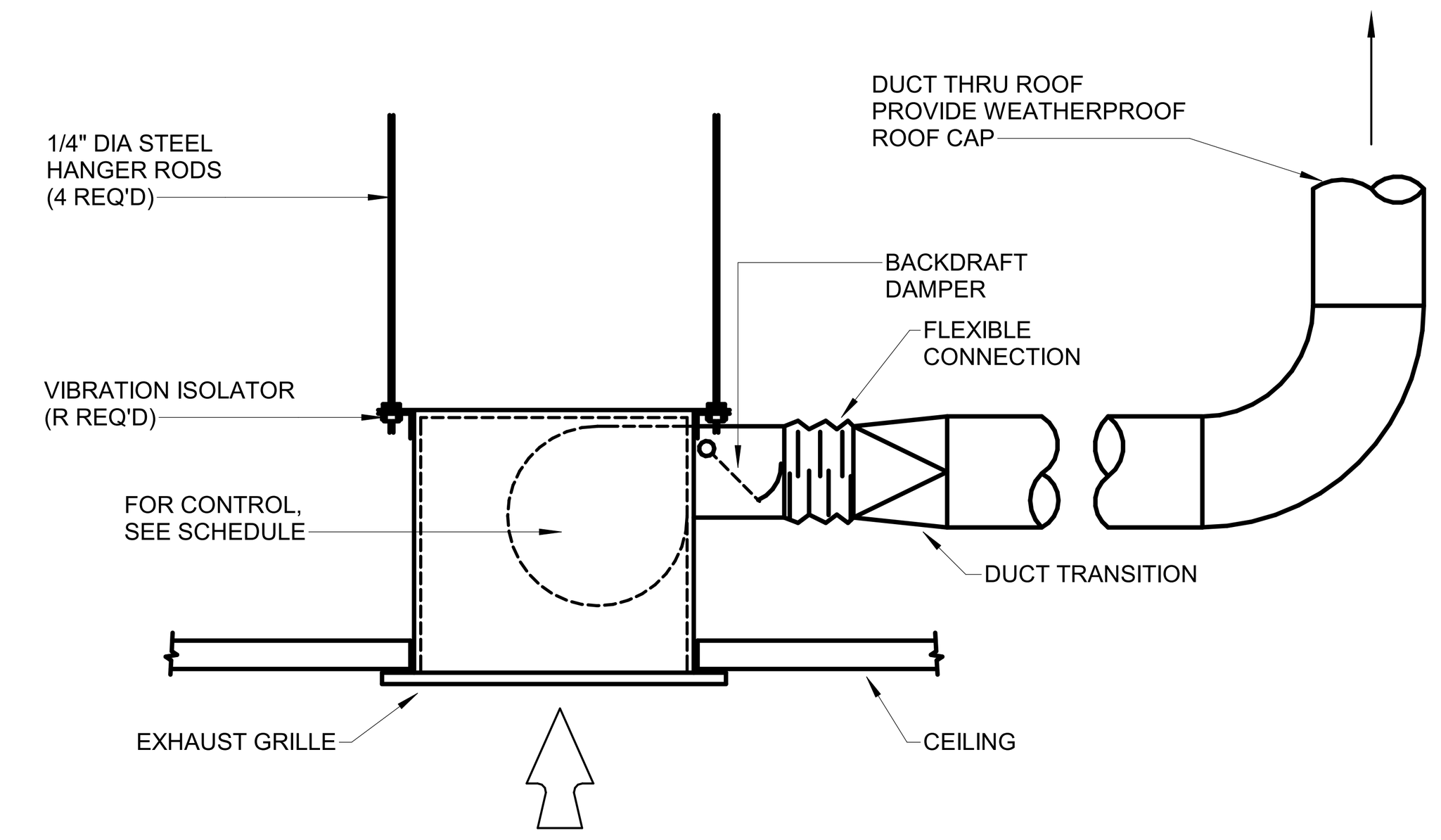
10 M601



SOUND BOOT DETAIL

SCALE: NTS

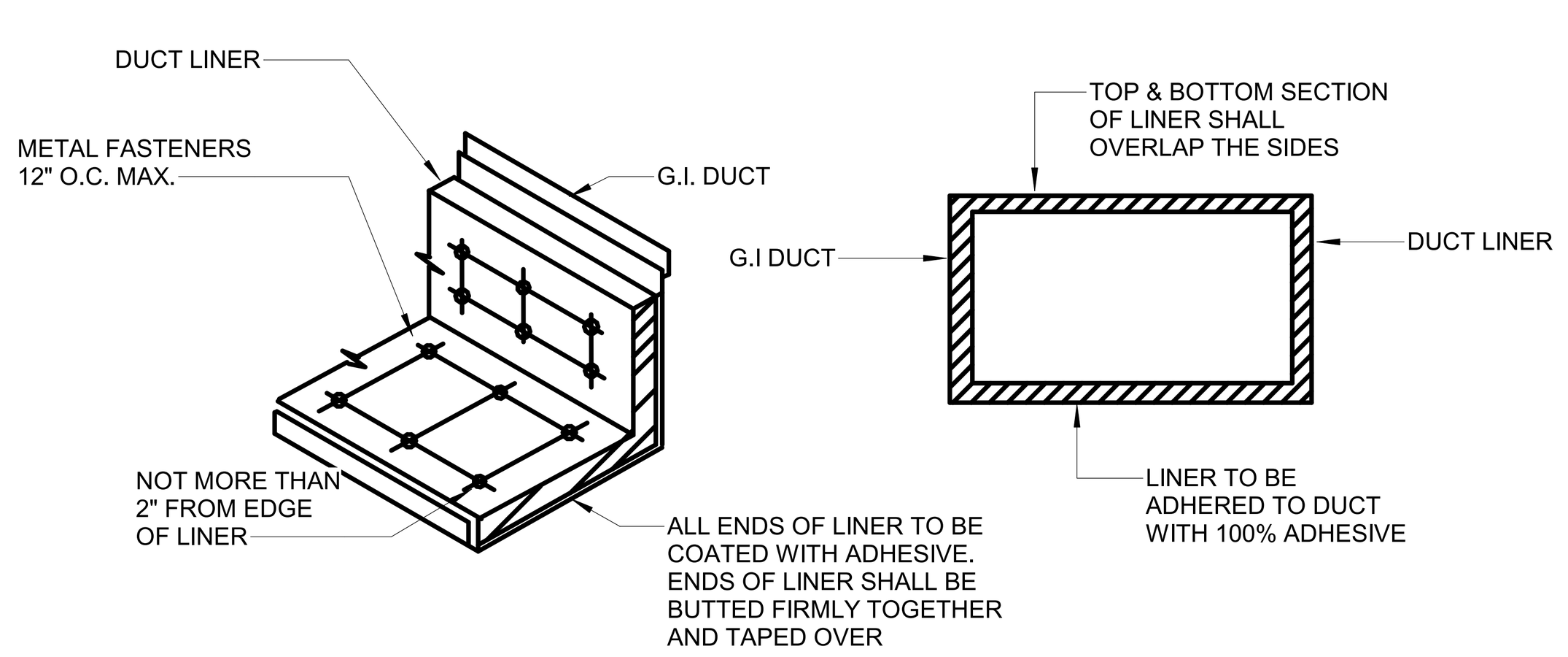
6 M601



CEILING EXHAUST FAN DETAIL

SCALE: NTS

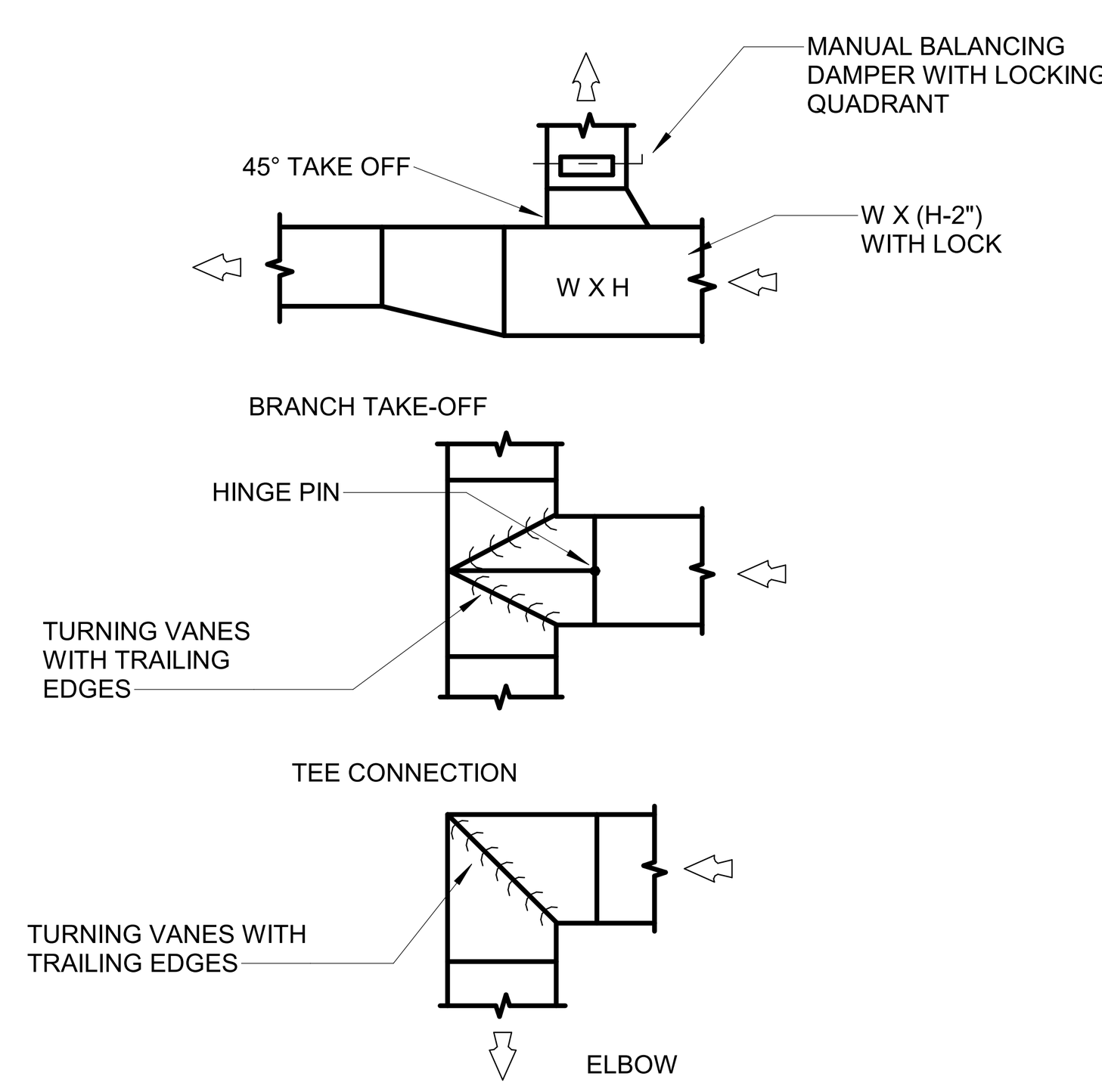
2 M601



DUCT LINER DETAIL

SCALE: NTS

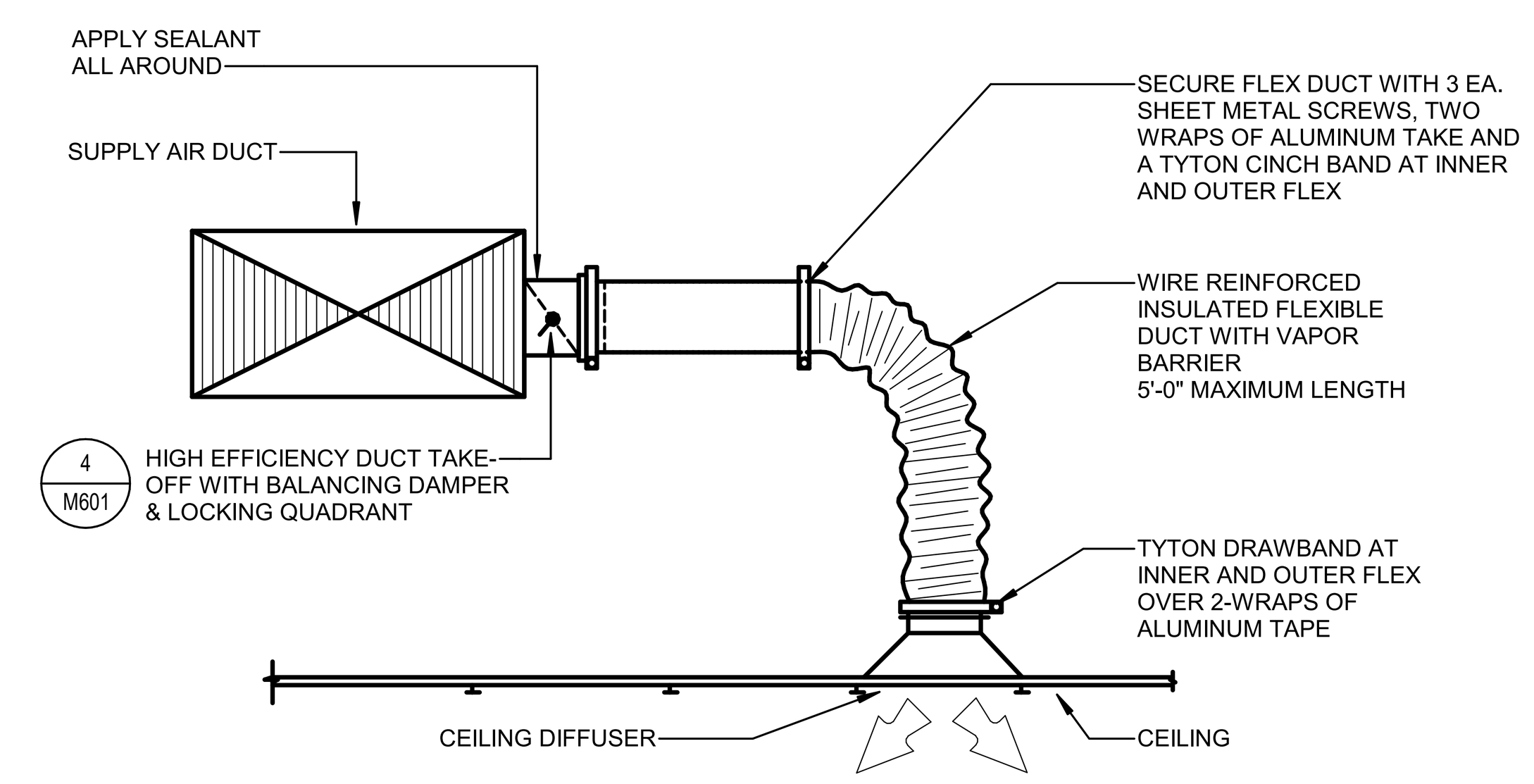
11 M601



LOW PRESSURE DUCT DETAIL

SCALE: NTS

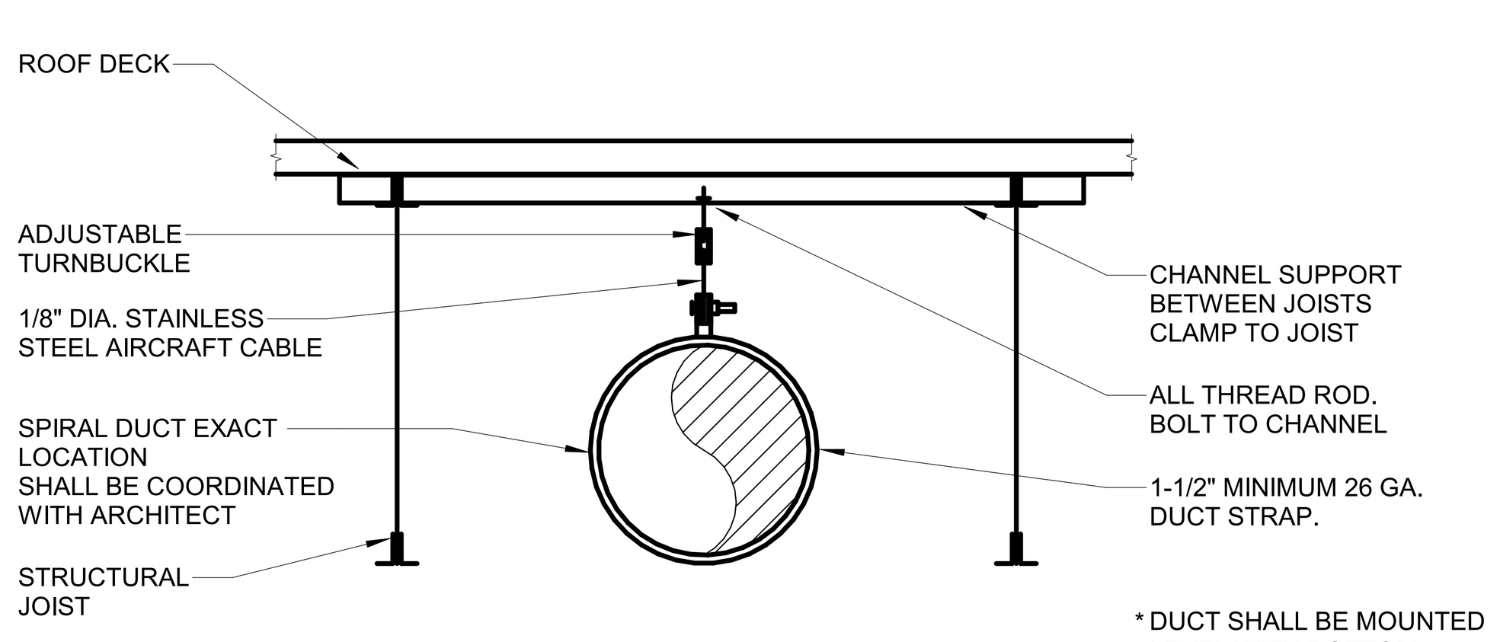
7 M601



CEILING DIFFUSER DETAIL

SCALE: NTS

3 M601

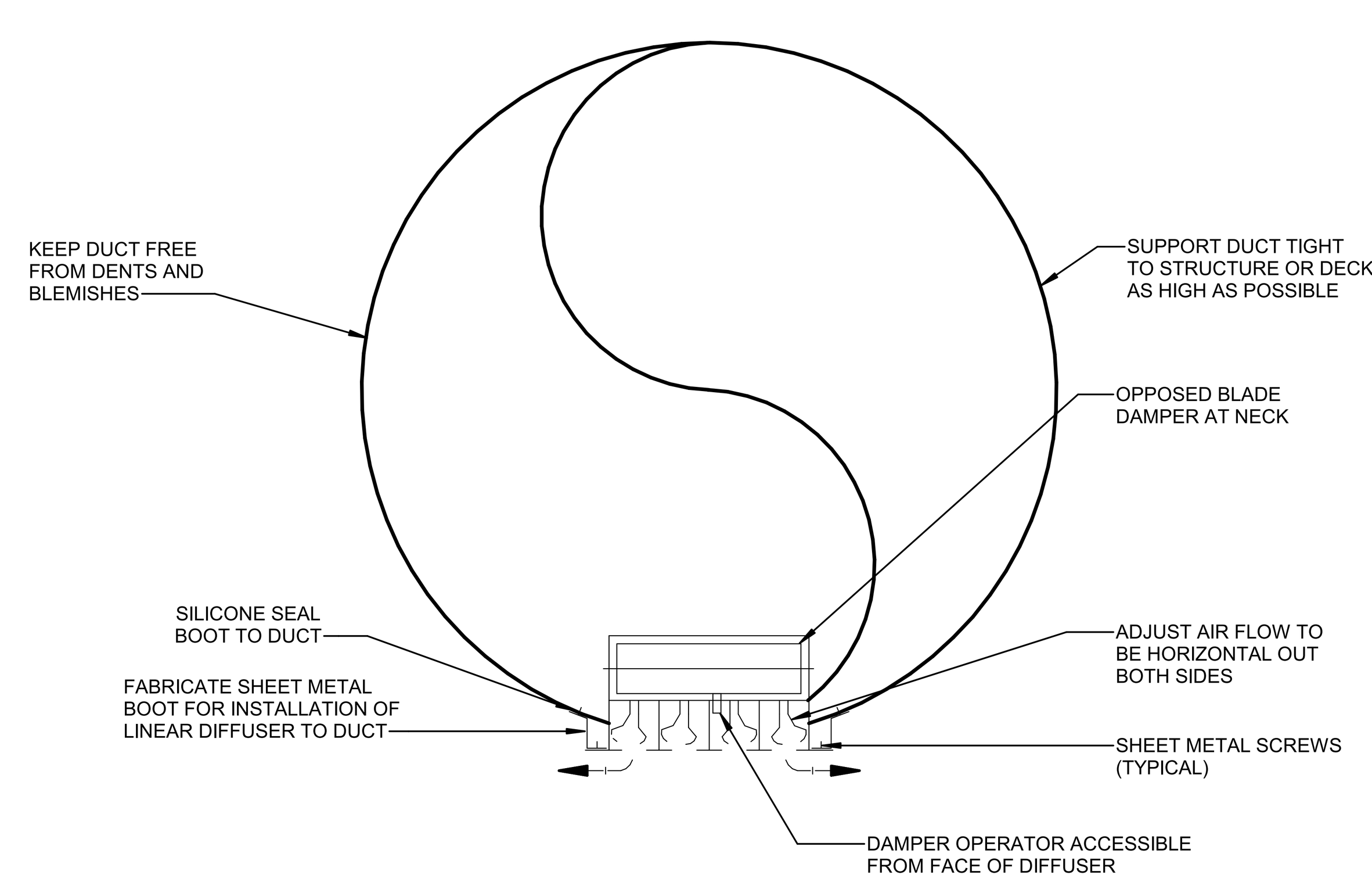


* DUCT SHALL BE MOUNTED LEVEL WITH BOTTOM CHORD OF JOIST, OR AS DIRECTED BY ARCHITECT.

EXPOSED SPIRAL DUCT HANGER DETAIL

SCALE: NTS

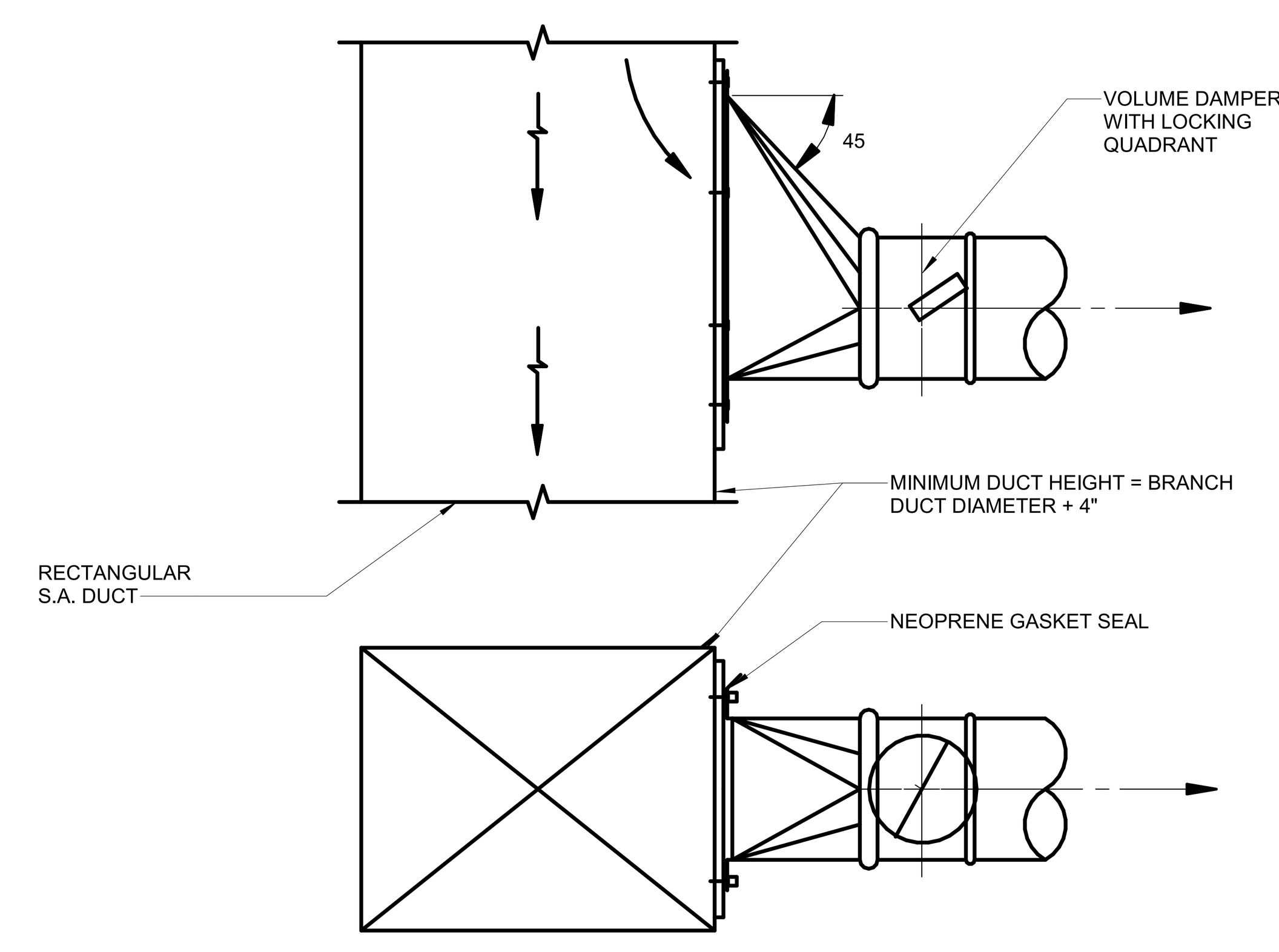
12 M601



LINEAR SLOT DIFFUSER DETAIL

SCALE: NTS

8 M601



45 DEG. HIGH EFFICIENCY TAKE-OFF

SCALE: NTS

4 M601

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MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
www.mhtn.com

OLSEN & PETERSON
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PARK CITY SCHOOL DISTRICT

PARK CITY SCHOOL DISTRICT

TREASURE MOUNTAIN SPORTS COMPLEX

1750 KEARNS BLVD
PARK CITY, UT 84060

SEAL

LICENSED PROFESSIONAL ENGINEER #334524-2202 JAMES AUSTIN BERRETT UTAH

MHTN PROJECT NO. 2017559

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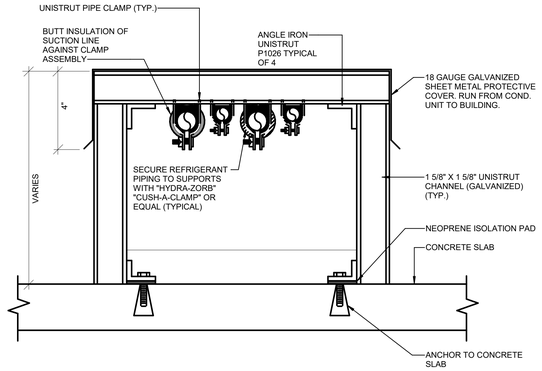
M601

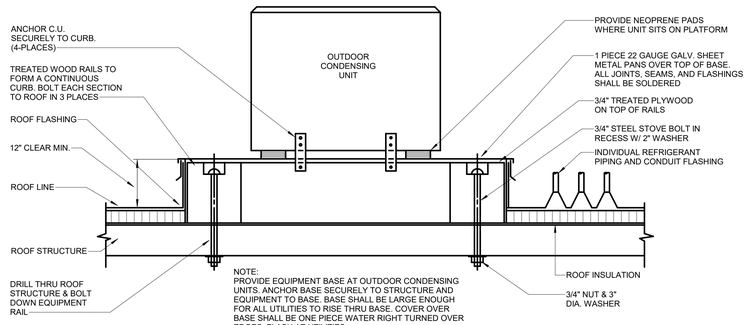
Autodesk Docs://2025507 PC Sport Complex/M24 2025507 PCHS Athletic Complex - Support Buildings.rvt
5/9/2025 6:40:43 PM



EXTERIOR REFRIGERANT PIPE SUPPORT DETAIL

SCALE: NTS

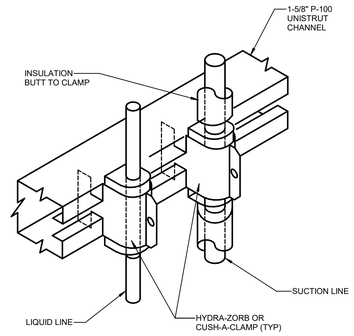
8 / M602



AC OUTDOOR UNIT ON ROOF DETAIL

SCALE: NTS

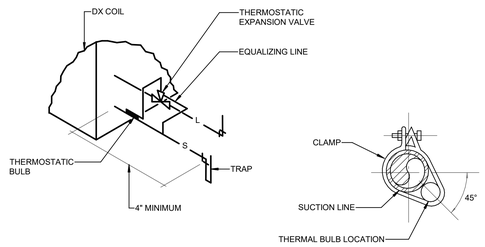
5 / M602



REFRIGERANT PIPE SUPPORT DETAIL

SCALE: NTS

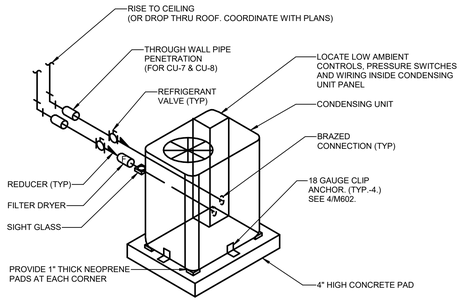
1 / M602

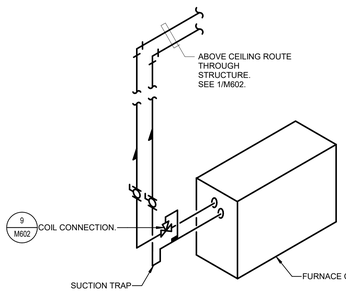


REFRIGERANT COIL CONNECTION DETAIL

SCALE: NTS

9 / M602

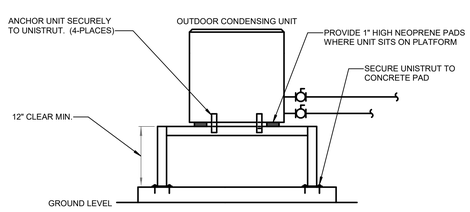




REFRIGERANT PIPING DETAIL

SCALE: NTS

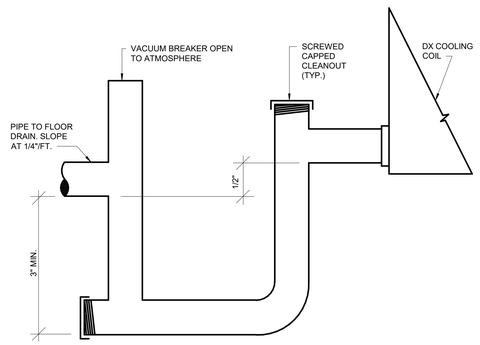
6 / M602



AC OUTDOOR UNIT DETAIL

SCALE: NTS

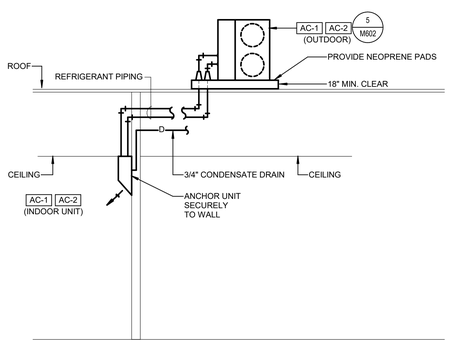
2 / M602



COOLING COIL CONDENSATE DRAIN DETAIL

SCALE: NTS

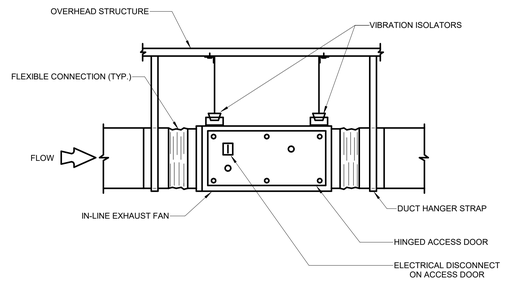
3 / M602



ROOM AC UNIT DETAIL

SCALE: NTS

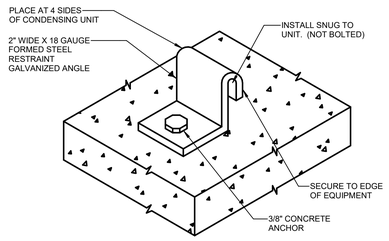
7 / M602



IN-LINE EXHAUST FAN DETAIL

SCALE: NTS

10 / M602



CONDENSING UNIT RESTRAINT

SCALE: NTS

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MHTN ARCHITECTS
MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
www.mhtn.com

OLSEN & PETERSON consulting engineers, inc.
14 East 2700 South, Salt Lake City, UT 84115
Phone: (801) 485-4848 Fax: (801) 467-3331

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TREASURE MOUNTAIN SPORTS COMPLEX

1750 KEARNS BLVD
PARK CITY, UT 84060

SEAL

LICENSED PROFESSIONAL ENGINEER
6334524-2202
JAMES AUSTIN BERRETT
5/12/2025
UTAH

MHTN PROJECT NO. 2017559

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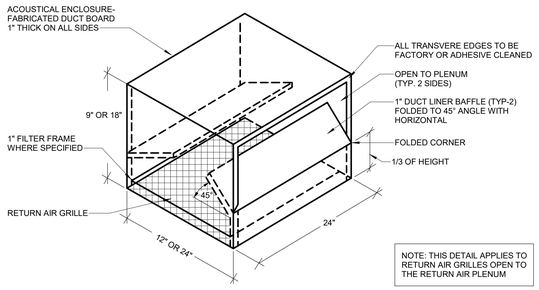
M602

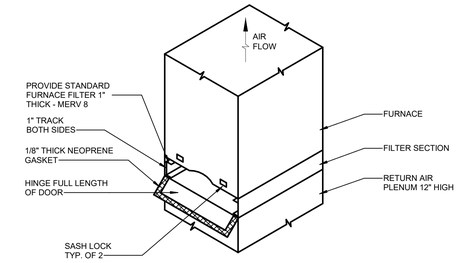
RETURN TO SHEET INDEX



RETURN AIR BOOT DETAIL

SCALE: NTS

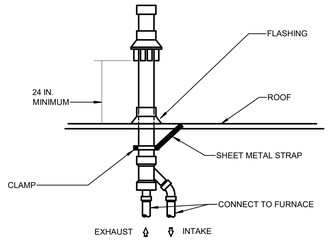
7 / M603



FURNACE FILTER SECTION DETAIL

SCALE: NTS

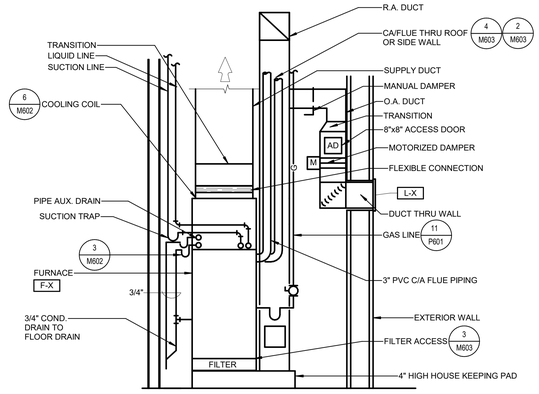
3 / M603



CONCENTRIC FURNACE VENT THRU ROOF DETAIL

SCALE: NTS

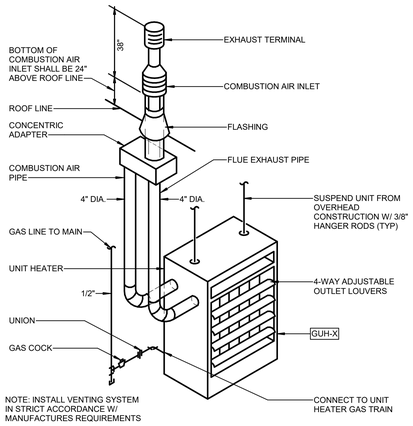
4 / M603



TYPICAL UPFLOW FURNACE DETAIL

SCALE: NTS

5 / M603

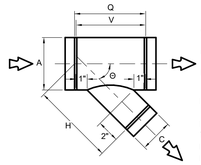


GAS FIRED UNIT HEATER PIPING SCHEMATIC

SCALE: NTS

6 / M603

STRAIGHT LATERAL



DIMENSIONS:

$V = \frac{C}{SIN\ \Theta} + 2$

$Q = \frac{C}{2 \times SIN\ \Theta} + \frac{A}{2 \times TAN\ \Theta} + 1$

$H = \frac{A}{2 \times SIN\ \Theta} + \frac{C}{2 \times TAN\ \Theta} + 2$

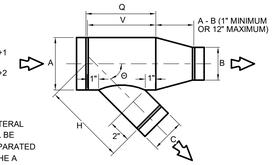
MAXIMUM C = A

NOTE: IF THERE ARE TWO LATERAL TAPS (C & D) BOTH TAPS WILL BE IN LINE ON ONE SIDE AND SEPARATED BY 2 INCHES (PARALLEL TO THE A CENTERLINE)

$V = \frac{C + D}{SIN\ \Theta} + 2$

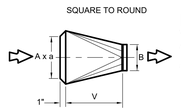
MAXIMUM C OR D = A

EXPANDING STRAIGHT LATERAL



TEES & LATERALS

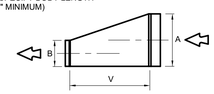
SQUARE TO ROUND



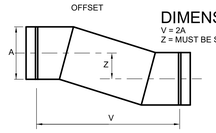
DIMENSIONS:
V = 12, 24, 36, OR 48
A = MAJOR AXIS OF RECTANGULAR SIDE
a = MINOR AXIS OF RECTANGULAR SIDE

ECCENTRIC EXPANDER

DIMENSIONS:
V = SPECIFY BODY LENGTH (4" MINIMUM)



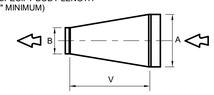
OFFSET



DIMENSIONS:
V = 2A
Z = MUST BE SPECIFIED

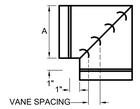
CONCENTRIC EXPANDER

DIMENSIONS:
V = SPECIFY BODY LENGTH (1" MINIMUM)



OFFSETS, REDUCERS AND EXPANDERS

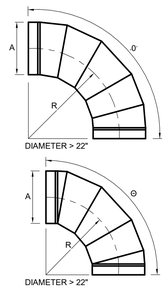
MITERED 90° ELBOW



A (INCHES)	NUMBER OF VANES
3 - 9 1/2	2
10 - 12 1/2	3
13 - 19	4
20 - 60	5
OVER 60	12" MAX. SPACING

NOTE: MITERED ELBOW FITTING TO BE USED WHERE INDICATED ON CONTRACT DRAWINGS.

GORED ELBOW



Θ ANGLE	NUMBER OF GORES
0 - 35°	2
36 - 71°	3
72 - 90°	5

FOR ELBOWS WHERE 0EXCEEDS 90° ADD ONE GORE FOR EACH ADDITIONAL 18° OR FRACTION THEREOF.

DIMENSIONS:
R = 1.5A

ELBOW

NOTE: DUCT TAPS WILL NOT BE ALLOWED.

SPIRAL DUCT FITTING DETAILS

SCALE: NTS

8 / M603

SCHEDULE FOR TYPICAL CONNECTIONS TO STRUCTURAL SUPPORTING MEMBERS

TYPE	MAX. LOAD CAPACITY POUNDS	PHILLIPS REDHEAD ANCHORS TO CONC. LT. WT.	PHILLIPS REDHEAD ANCHORS TO CONC. HARD ROCK	CONC. CAST-IN PLACE INSERT	BOLT OF STL. BM. CLAMP
I	500	3/8"	3/8"	3/8"	3/8"
I I	1000	1/2"	3/8"	1/2"	3/8"
I I I	1500	5/8"	3/8"	1/2"	3/8"
I V	2000	3/4"	1/2"	5/8"	1/2"
V	3000	2.5/8"	2.1/2"	2.1/2"	5/8"
V I	4000	2.3/4"	2.5/8"	2.5/8"	5/8"

TYPE	SPREADER SIZE	BOLT THRU WOOD	SPAN-CRETE ROD	ANGLE TO SUPPORTING STRUCTURAL MEMBER	ROD SIZE FOR PIPES
I	C4 X 5.4	1/2"	3/8"	3 X 2 X 1/4" X 0'-3" LLH	1/2" DIA.
I I	C5 X 6.7	3/4"	3/8"	3.1/2 X 2.1/2 X 5/16 X 0'-3" LLH	1/2" DIA.
I I I	C6 X 8.5	***	1/2"	3.1/2 X 2.1/2 X 7/16 X 0'-4" LLH	5/8" DIA.
I V	C8 X 11.5	***	1/2"	5 X 3 X 1/2 X 0'-4" LLH	3/4" DIA.
V	C9 X 13.4	****		2 - 3.1/2 X 2.1/2 X 7/16 X 0'-4"	7/8" DIA.
V I	C10 X 15.3			2 - 5 X 3.1/2 X 0'-4"	7/8" DIA.

NOTES:

FOR SLABS LESS THAN 5" THICK ONLY, THIN SLAB INSERTS MAY BE USED.

FOR USE W/ CONC. CAST-IN PLACE INSERTS OR PHILLIP REDHEAD IN HARD ROCK ONLY

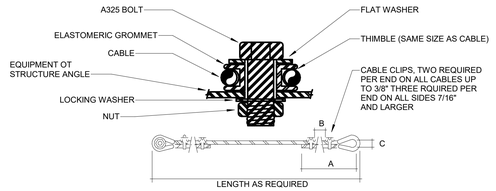
FOR USE WITH CONC. CAST-IN PLACE INSERTS ONLY.

WHERE TYPE III CONNECTIONS ARE REQUIRED FOR WOOD SYSTEMS, TYPE II CONNECTIONS SHALL BE USED WITH REDUCED RESTRAINT SPACING TO 20 FT. O.C. WHERE TYPE IV CONNECTIONS ARE REQUIRED FOR WOOD SYSTEMS, TYPE II CONNECTIONS SHALL BE USED WITH REDUCED RESTRAINT SPACING TO 15 FT. O.C. WHERE TYPE V CONNECTIONS ARE REQUIRED FOR WOOD SYSTEMS, TYPE II CONNECTIONS SHALL BE USED WITH REDUCED RESTRAINT SPACING TO 10 FT. O.C.

THE MECHANICAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE STRUCTURAL ENGINEER AND THEN TO THE MECHANICAL ENGINEER, SHOWING CONNECTION TYPE AND LOCATION OF ALL RESTRAINT CONNECTIONS TO THE STRUCTURE.

FOR ESSENTIAL FACILITIES WHERE CONCRETE ANCHOR BOLTS OF THE "REDHEAD" EXPANSION TYPE ARE LOADED IN PULL OUT, 50 PERCENT OF THE BOLTS (ALTERNATE BOLTS IN ANY GROUP ARRANGEMENT) SHALL BE PROOF TESTED TO TWICE THE ALLOWABLE LOAD. IF THERE ARE FAILURES, THE IMMEDIATELY ADJACENT BOLTS MUST THEN ALSO BE TESTED.

"HILTI" AND "RAMSET" ANCHORS ARE EQUAL SUBSTITUTES FOR "REDHEAD".



NOTES:

1. CABLE, THIMBLES, CLIPS, GROMMETS & FLAT WASHERS ARE TO BE FURNISHED BY RESTRAINT MANUFACTURER. ALL OTHER HARDWARE TO BE PROVIDED BY CONTRACTOR.
2. ENTIRE SYSTEM TO BE EQUAL TO AMBER BOOTH.
3. CABLE CLIPS MUST BE ORIENTED AS SHOWN WITH SHORT END OF CABLE ON THE CURVED PART OF THE CLIP.

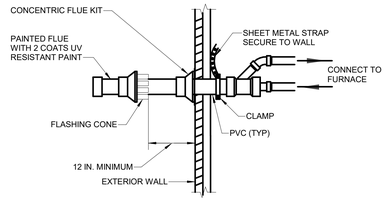
CABLE SCHEDULE

CABLE DIA.	CABLE DESIGN	A	B	C	BOLT SIZE	ALLOWABLE LOAD (lbf)	BREAKING STRENGTH (lbf)
1/8"	7x19 GALV.	5.1/4"	1.5/8"	5/8"	3/8"	660	2000
3/16"	7x19 GALV.	5.3/4"	1.5/8"	5/8"	3/8"	1400	4200
1/4"	7x19 GALV.	6.3/4"	1.5/8"	11/16"	3/8"	2330	7000
5/16"	7x19 GALV.	7.3/8"	1.5/8"	13/16"	5/8"	3260	9800
3/8"	7x19 GALV.	8.7/8"	1.5/8"	1"	5/8"	4800	14400
7/16"	6x9 IWRC	17"	1.5/8"	1"	5/8"	5920	17800
1/2"	6x9 IWRC	18"	1.5/8"	1.1/8"	3/4"	7660	23000

CABLE RESTRAINT DETAIL

SCALE: NTS

1 / M603



CONCENTRIC FURNACE VENT THRU WALL DETAIL

SCALE: NTS

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MHTN
ARCHITECTS
MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
www.mhtn.com

OLSEN & PETERSON
consulting engineers, inc.
14 East 2700 South, Salt Lake City, UT 84115
Phone: (801) 486-4646 Fax: (801) 467-2531

PARK CITY SCHOOL DISTRICT

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TREASURE MOUNTAIN SPORTS COMPLEX

1750 KEARNS BLVD
PARK CITY, UT 84060

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MHTN PROJECT NO. 2017559

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M603

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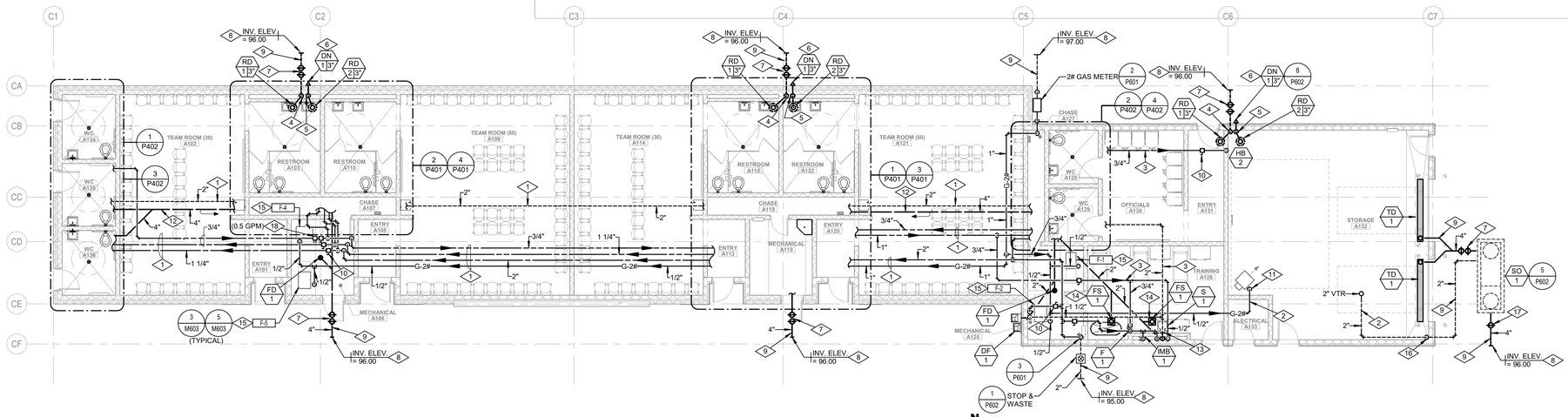
REFERENCE NOTES

#	
1	PIPING TO RUN EXPOSED HIGH AT STRUCTURE. (TYPICAL) COORDINATE WITH STRUCTURE AND ALL TRADES.
2	PIPING RUNS EXPOSED HIGH AT STRUCTURE. COORDINATE WITH CRANE RAIL & ALL TRADES.
3	PIPING TO RUN ABOVE CEILING. COORDINATE WITH STRUCTURE & ALL TRADES.
4	PRIMARY ROOF DRAIN TO DROP TIGHT AT WALL TO BELOW FLOOR.
5	SECONDARY ROOF DRAIN TO DROP TIGHT AT WALL TO 32" AFF. CENTER IN BLOCK COURSE.
6	CENTER DN-1 IN BLOCK COURSE.
7	DOUBLE CLEANOUT TO GRADE (TYPICAL) SEE DETAIL 6/P601.
8	TERMINATE PIPING 5'-0" BEYOND BUILDING LINE. DIVISION 22 CONTRACTOR TO MAKE FINAL CONNECTION TO SITE UTILITIES. COORDINATE LOCATION & INVERT WITH CIVIL DRAWINGS & SITE UTILITY CONTRACTOR.
9	PIPING TO RUN BELOW GRADE.
10	LINE SIZE BALL VALVE (TYPICAL). VALVE MUST BE ACCESSIBLE.
11	GAS TO EQUIPMENT, SEE DETAIL 11/P601.
12	PIPING RUNS BELOW FLOOR. COORDINATE ROUTING WITH STRUCTURAL FOOTINGS. (TYPICAL)
13	WALL CLEANOUT. (WCO) SEE DETAIL 8/P601.
14	COORDINATE EXACT LOCATION OF FLOOR SINK WITH EQUIPMENT PROVIDED.
15	CONDENSATE TO DRAIN INDIRECT TO FLOOR DRAIN.
16	VENT PIPING RISE FROM BELOW GRADE TO AS HIGH AS POSSIBLE.
17	SINGLE CLEANOUT TO GRADE. SEE DETAIL 9/P602.
18	CALIBRATED BALANCING VALVE ON HOT WATER RECIRCULATING LINE. BALANCE FLOW TO GPM SHOWN.



FIRST FLOOR PLUMBING PLAN

0 4' - 0" 8' - 0" 16' - 0"

SCALE: 1/8" = 1'-0"

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MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
www.mhtn.com

OLSEN & PETERSON consulting engineers, inc.
14 East 2700 South, Salt Lake City, UT 84115
Phone: (801) 485-4848 Fax: (801) 467-2525

PARK CITY SCHOOL DISTRICT

PARK CITY SCHOOL DISTRICT

TREASURE MOUNTAIN SPORTS COMPLEX

1750 KEARNS BLVD
PARK CITY, UT 84060

SEAL

LICENSED PROFESSIONAL ENGINEER
6354524-2202
JAMES AUSTIN BERRETT
UTAH

MHTN PROJECT NO. 2017559

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

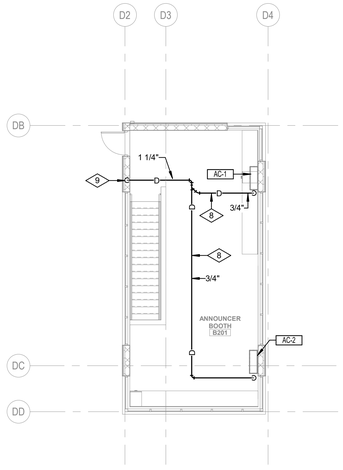
NO.	DATE	DESCRIPTION

ISSUE
BID PACKAGE #1
MAY 12, 2025

SHEET NAME
PLUMBING FLOOR PLAN - TREASURE SUPPORT

SHEET NUMBER
P101A

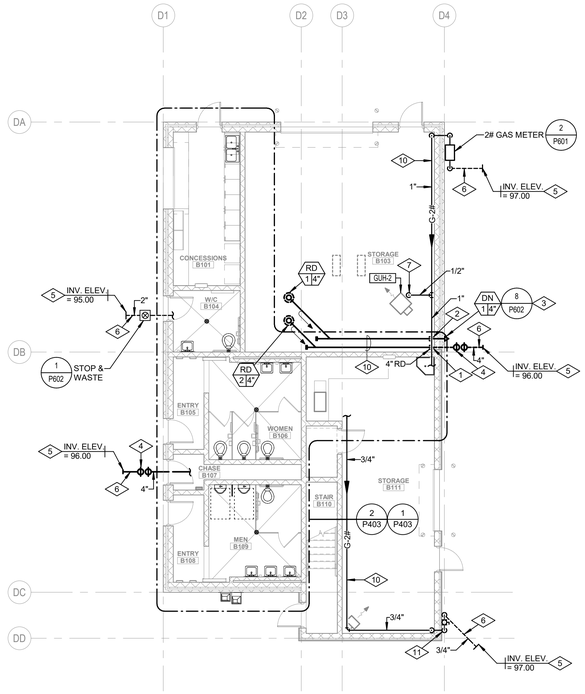
RETURN TO SHEET INDEX



SECOND FLOOR PLUMBING PLAN - PRESS BOX

0 4' - 0" 8' - 0" 16' - 0"

SCALE: 1/8" = 1'-0"



FIRST FLOOR PLUMBING PLAN - PRESS BOX

0 4' - 0" 8' - 0" 16' - 0"

SCALE: 1/8" = 1'-0"

REFERENCE NOTES

1. PRIMARY ROOF DRAIN TO DROP TIGHT AT WALL TO BELOW FLOOR.
2. SECONDARY ROOF DRAIN TO DROP TIGHT AT WALL TO 32" AFF. CENTER IN BLOCK COURSE.
3. CENTER DN-1 IN BLOCK COURSE.
4. DOUBLE CLEANOUT TO GRADE (TYPICAL) SEE DETAIL 6/P601.
5. TERMINATE PIPING 5'-0" BEYOND BUILDING LINE. DIVISION 22 CONTRACTOR TO MAKE FINAL CONNECTION TO SITE UTILITIES. COORDINATE LOCATION & INVERT WITH CIVIL DRAWINGS & SITE UTILITY CONTRACTOR.
6. PIPING TO RUN BELOW GRADE.
7. GAS TO EQUIPMENT. SEE DETAIL 11/P601.
8. CONDENSATE DRAIN PIPING TO RUN ABOVE CEILING AS HIGH AS POSSIBLE.
9. CONDENSATE DRAIN TO DROP IN WALL DOWN TO FLOOR BELOW. INSTALL ON WARM SIDE OF INSULATION.
10. PIPING TO RUN EXPOSED HIGH AT STRUCTURE. (TYPICAL) COORDINATE WITH STRUCTURE AND ALL TRADES.
11. DROP DOWN TO 32" AFF & PROVIDE LOCK-OUT GAS RATED BALL VALVE.

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ARCHITECTS
MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
www.mhtn.com

OLSEN & PETERSON
consulting engineers, inc.
14 East 2700 South, Salt Lake City, UT 84115
Phone: (801) 485-4848 Fax: (801) 467-2525

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TREASURE MOUNTAIN SPORTS COMPLEX

1750 KEARNS BLVD
PARK CITY, UT 84060

SEAL:

LICENSED PROFESSIONAL ENGINEER
6334524-2202
JAMES
AUSTIN
BERRETT
5/12/2025
UTAH

MHTN PROJECT NO. 2017559

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REVISIONS
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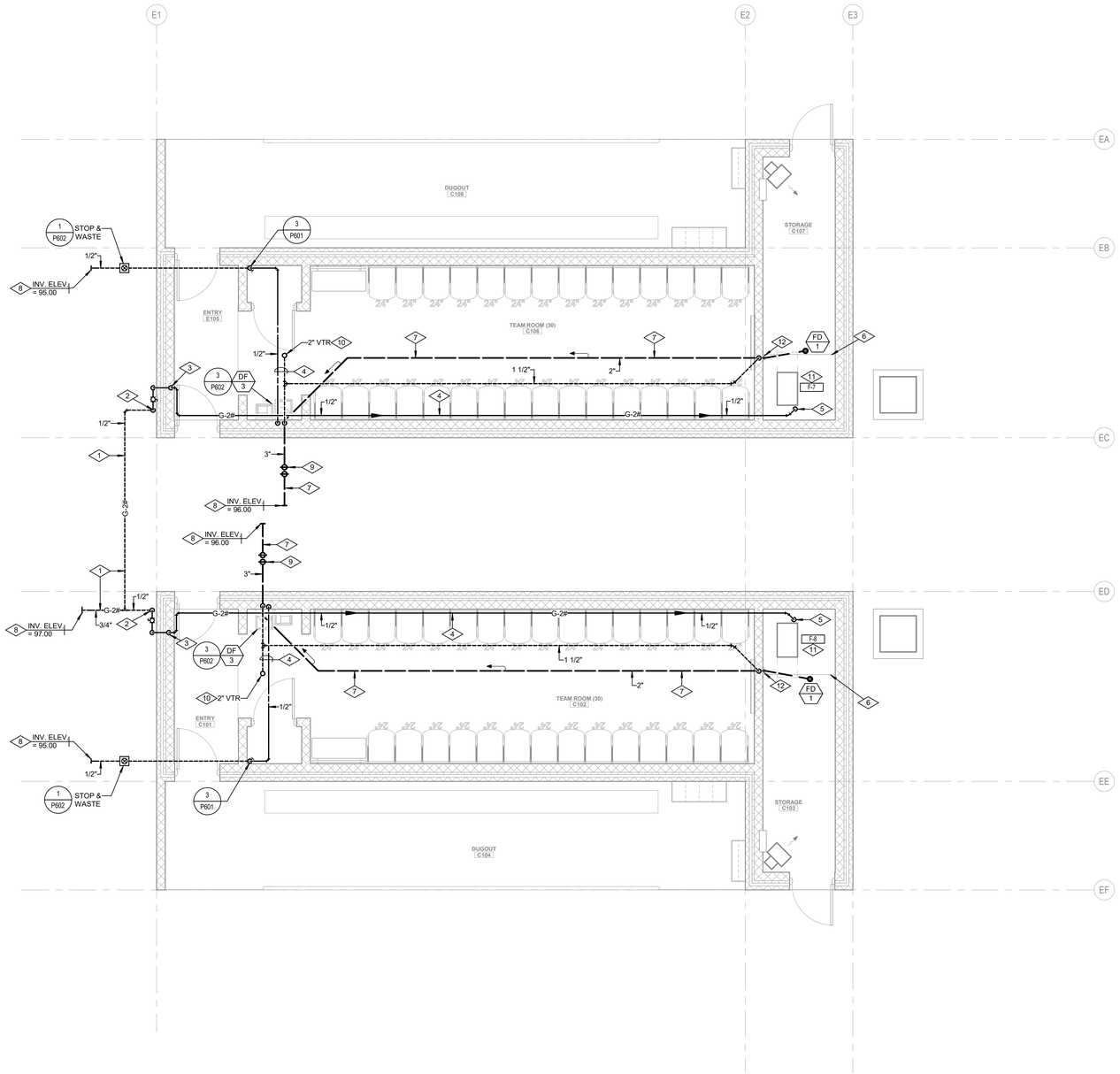
SHEET NAME
PLUMBING
FLOOR PLANS -
PRESS BOX

SHEET NUMBER
P101B

RETURN TO SHEET INDEX



REFERENCE NOTES

1. GAS PIPING RUNS BELOW GRADE. 36" BELOW GRADE MINIMUM. (TYPICAL)
2. RISE UP TO 32" AFF & PROVIDE LOCK-OUT GAS RATED BALL VALVE.
3. RISE IN WALL.
4. PIPING TO RUN EXPOSED HIGH & TIGHT AT STRUCTURE. (TYPICAL)
5. GAS TO EQUIPMENT. SEE DETAIL 11/P601.
6. 4" CONCRETE HOUSEKEEPING PAD.
7. PIPING TO RUN BELOW GRADE.
8. TERMINATE PIPING 5'-0" BEYOND BUILDING LINE. DIVISION 22 CONTRACTOR TO MAKE FINAL CONNECTION TO SITE UTILITIES. COORDINATE LOCATION & INVERT WITH CIVIL DRAWINGS & SITE UTILITY CONTRACTOR.
9. DOUBLE CLEANOUT TO GRADE (TYPICAL) SEE DETAIL 6/P601.
10. VENT THRU ROOF. SEE DETAIL 9/P601. MAINTAIN 10'-0" FROM ALL O.A. INTAKES.
11. CONDENSATE TO DRAIN INDIRECT TO FLOOR DRAIN.
12. WALL CLEANOUT (WCO) (TYPICAL). SEE DETAIL 8/P601.

FIRST FLOOR PLUMBING PLAN

0 2' - 0" 4' - 0" 8' - 0"

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

N

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MHTN Architects, Inc.
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Salt Lake City, Utah 84101
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Phone: (801) 485-4848 Fax: (801) 467-2525

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1750 KEARNS BLVD
PARK CITY, UT 84060

SEAL

#334524-2202
JAMES AUSTIN BERRETT
5/12/25
LICENSED PROFESSIONAL ENGINEER
UTAH

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SHEET NAME
PLUMBING FLOOR PLANS - TEAM ROOM/ DUGOUT

SHEET NUMBER
P101C

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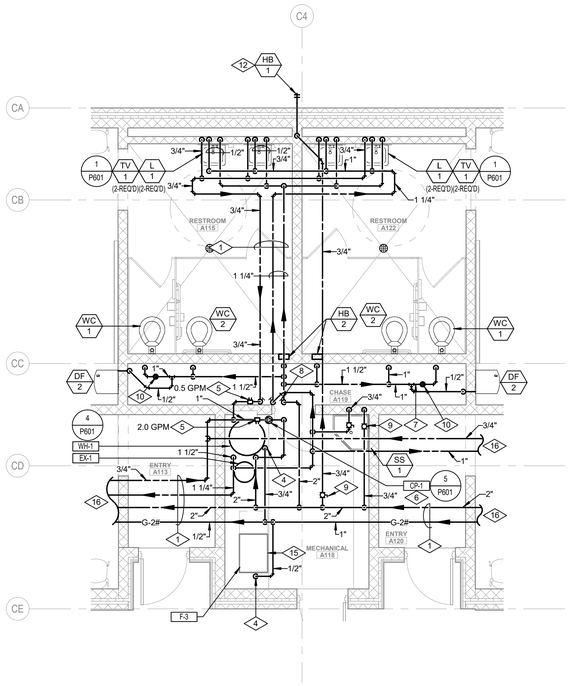
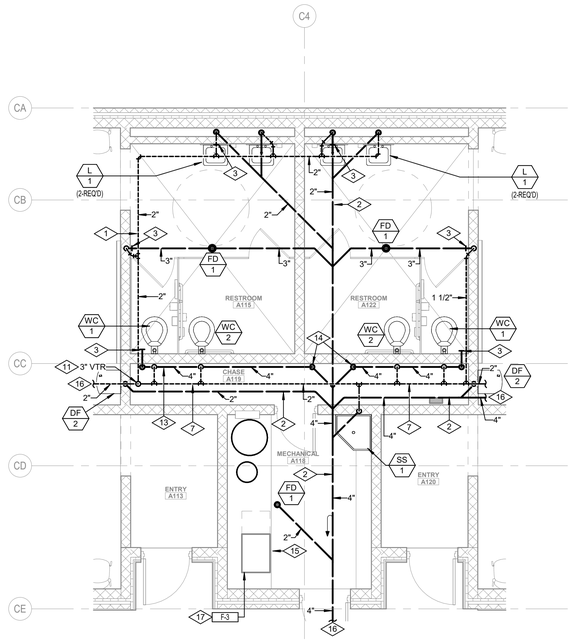


3 ENLARGED PLUMBING PLAN

WATER SUPPLY

0 2' - 0" 4' - 0" 8' - 0"

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

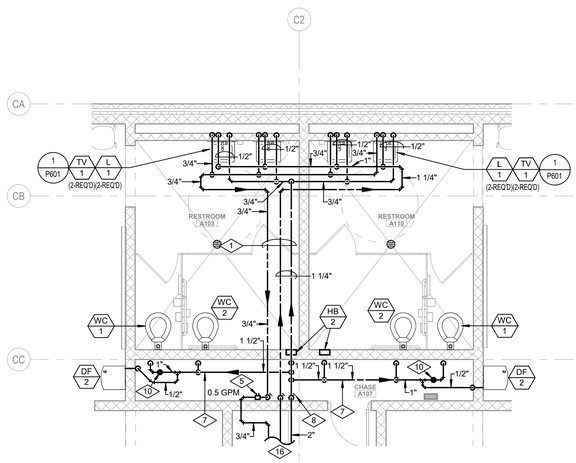


1 ENLARGED PLUMBING PLAN

WASTE & VENT

0 2' - 0" 4' - 0" 8' - 0"

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

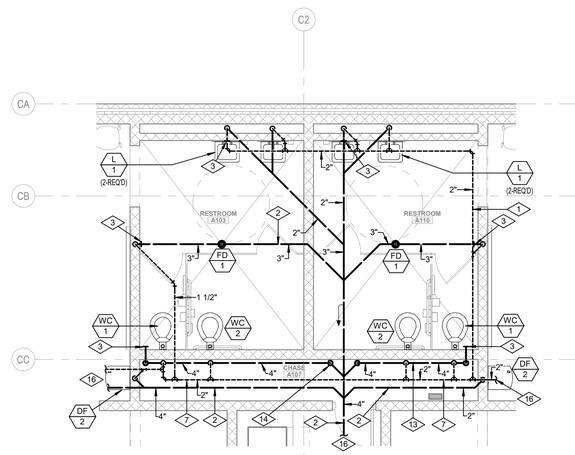


4 ENLARGED PLUMBING PLAN

WATER SUPPLY

0 2' - 0" 4' - 0" 8' - 0"

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



2 ENLARGED PLUMBING PLAN

WASTE & VENT

0 2' - 0" 4' - 0" 8' - 0"

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

REFERENCE NOTES

#	
1	PIPING TO RUN AS HIGH AS POSSIBLE ABOVE CEILING. COORDINATE ROUTING WITH ALL TRADES (TYPICAL)
2	PIPING TO RUN BELOW FINISHED FLOOR. COORDINATE ROUTING WITH STRUCTURAL FOOTINGS (TYPICAL)
3	WALL CLEANOUT (WCO) (TYPICAL). SEE DETAIL 8/P601.
4	GAS CONNECTION TO EQUIPMENT, SEE DETAIL 11/P601.
5	CALIBRATED BALANCING VALVE ON HOT WATER RECIRCULATING LINE. BALANCE FLOW TO GPM SHOWN.
6	SET AT 60" AFF.
7	ALL HORIZONTAL PIPING RUN IN PLUMBING CHASE SHALL BE INSTALLED 7'-0" MINIMUM ABOVE FINISHED FLOOR.
8	LINE SIZE BALL VALVE IN VERTICAL DROP. VALVES MUST BE ACCESSIBLE. MOUNT VALVES AT 6'-6" ABOVE FINISHED FLOOR.
9	LINE SIZE BALL VALVE (TYPICAL). VALVE MUST BE ACCESSIBLE.
10	WATER HAMMER ARRESTOR. (TYPICAL)
11	VENT THRU ROOF. SEE DETAIL 9/P601. MAINTAIN 10'-0" FROM ALL O.A. INTAKES.
12	CENTER IN BLOCK COURSE. MOUNT AT 32" AFF.
13	RUN TIGHT AT WALL TO ALLOW CHASE ACCESS.
14	DROP TO BELOW FLOOR.
15	4" CONCRETE HOUSEKEEPING PAD.
16	SEE SHEET P101A FOR CONTINUATION.
17	CONDENSATE TO DRAIN INDIRECT TO FLOOR DRAIN.

MHTN ARCHITECTS
MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
www.mhtn.com

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14 East 2700 South, Salt Lake City, UT 84115
Phone: (801) 485-4848 Fax: (801) 467-2525

PARK CITY SCHOOL DISTRICT

TREASURE MOUNTAIN SPORTS COMPLEX

1750 KEARNS BLVD
PARK CITY, UT 84060

SEAL

MHTN PROJECT NO. 2017559

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REVISIONS
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SHEET NAME
ENLARGED PLUMBING PLANS - TREASURE SUPPORT

SHEET NUMBER
P401

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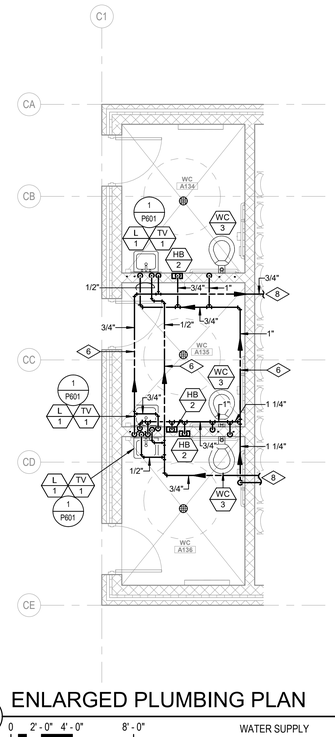
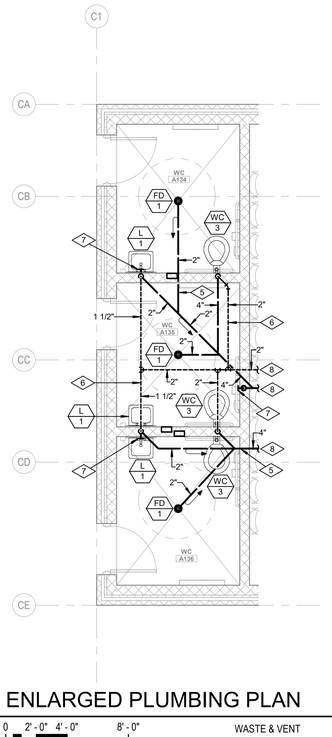


3 ENLARGED PLUMBING PLAN

WATER SUPPLY

0 2' - 0" 4' - 0" 8' - 0"

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

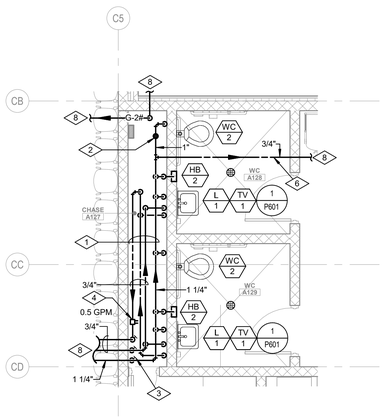


1 ENLARGED PLUMBING PLAN

WASTE & VENT

0 2' - 0" 4' - 0" 8' - 0"

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

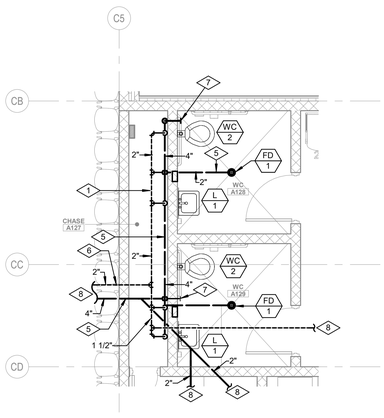


4 ENLARGED PLUMBING PLAN

WATER SUPPLY

0 2' - 0" 4' - 0" 8' - 0"

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



2 ENLARGED PLUMBING PLAN

WASTE & VENT

0 2' - 0" 4' - 0" 8' - 0"

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

REFERENCE NOTES

1. ALL HORIZONTAL PIPING RUN IN PLUMBING CHASE SHALL BE INSTALLED 7'-0" MINIMUM ABOVE FINISHED FLOOR.
2. WATER HAMMER ARRESTOR. (TYPICAL)
3. LINE SIZE BALL VALVE IN VERTICAL DROP. VALVES MUST BE ACCESSIBLE. MOUNT VALVES AT 6'-6" ABOVE FINISHED FLOOR.
4. CALIBRATED BALANCING VALVE ON HOT WATER RECIRCULATING LINE. BALANCE FLOW TO GPM SHOWN.
5. PIPING TO RUN BELOW FINISHED FLOOR. COORDINATE ROUTING WITH STRUCTURAL FOOTINGS (TYPICAL)
6. PIPING TO RUN AS HIGH AS POSSIBLE ABOVE CEILING. COORDINATE ROUTING WITH ALL TRADES (TYPICAL)
7. WALL CLEANOUT (WCO) (TYPICAL). SEE DETAIL 8/P601.
8. SEE SHEET P101A FOR CONTINUATION.

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MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
www.mhtn.com

OLSEN & PETERSON consulting engineers, inc.
14 East 2700 South, Salt Lake City, UT 84115
Phone: (801) 485-4646 Fax: (801) 467-2525

PARK CITY SCHOOL DISTRICT

PARK CITY SCHOOL DISTRICT

TREASURE MOUNTAIN SPORTS COMPLEX

1750 KEARNS BLVD
PARK CITY, UT 84060

SEAL

MHTN PROJECT NO. 2017559

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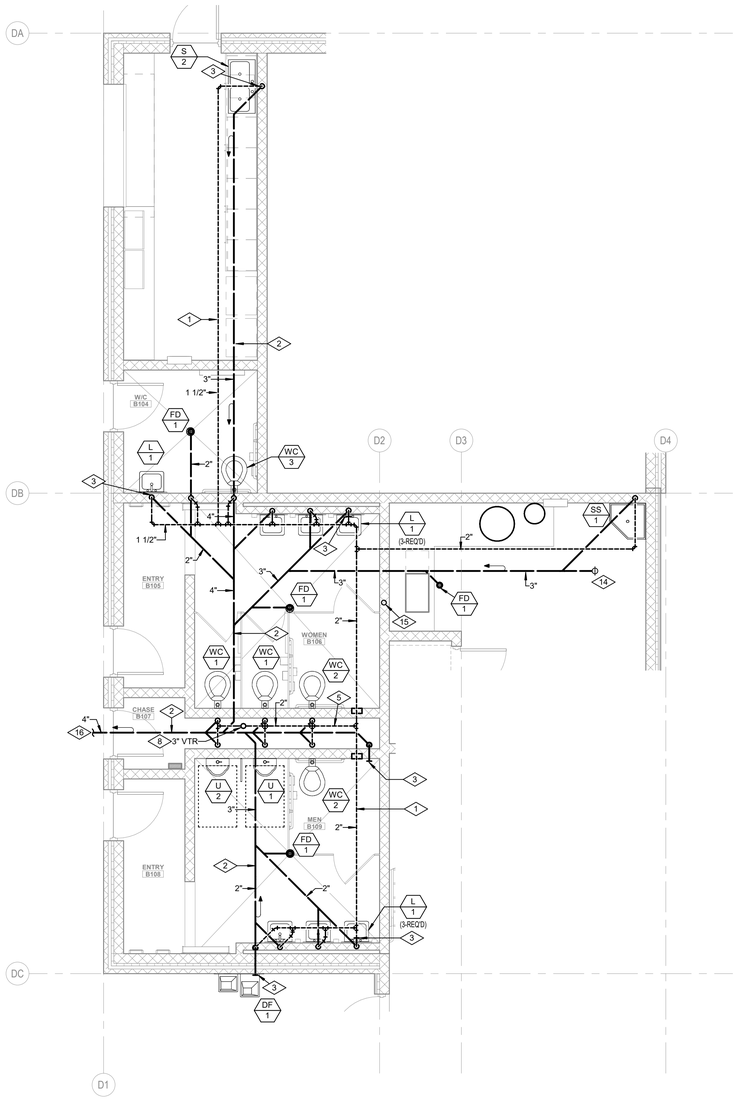
ENLARGED PLUMBING PLANS - TREASURE SUPPORT

SHEET NUMBER
P402

RETURN TO SHEET INDEX

REFERENCE NOTES

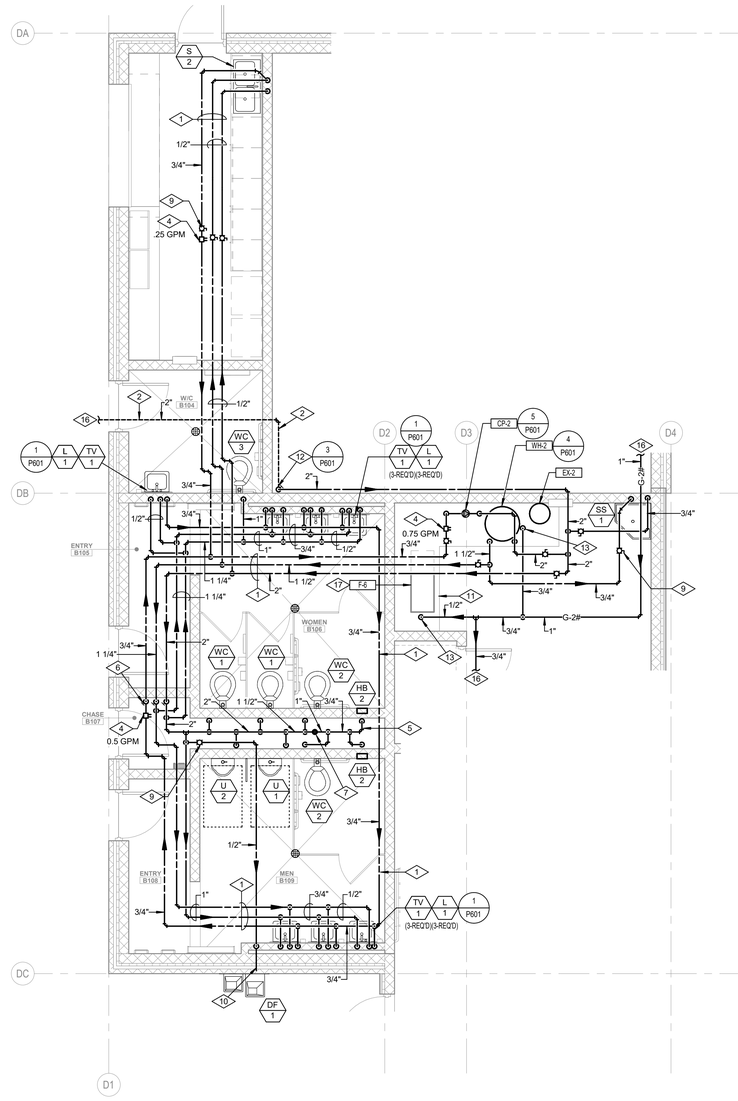
#	
1	PIPING TO RUN AS HIGH AS POSSIBLE ABOVE CEILING. COORDINATE ROUTING WITH ALL TRADES (TYPICAL)
2	PIPING TO RUN BELOW FINISHED FLOOR. COORDINATE ROUTING WITH STRUCTURAL FOOTINGS (TYPICAL)
3	WALL CLEANOUT (WCO) (TYPICAL). SEE DETAIL 8/P601.
4	CALIBRATED BALANCING VALVE ON HOT WATER RECIRCULATING LINE. BALANCE FLOW TO GPM SHOWN.
5	ALL HORIZONTAL PIPING RUN IN PLUMBING CHASE SHALL BE INSTALLED 7'-0" MINIMUM ABOVE FINISHED FLOOR.
6	LINE SIZE BALL VALVE IN VERTICAL DROP. VALVES MUST BE ACCESSIBLE. MOUNT VALVES AT 6"-6" ABOVE FINISHED FLOOR.
7	WATER HAMMER ARRESTOR. (TYPICAL)
8	VENT THRU ROOF. (VTR) SEE DETAIL 9/P601. MAINTAIN 10'-0" FROM ALL O.A. INTAKES.
9	LINE SIZE BALL VALVE (TYPICAL). VALVE MUST BE ACCESSIBLE.
10	PROVIDE DRAIN AT DF-3 STOP FOR WINTERIZATION. SEE DETAIL 3/P602.
11	4" CONCRETE HOUSEKEEPING PAD.
12	RISE UP TO PRV.
13	GAS CONNECTION TO EQUIPMENT. SEE DETAIL 11/P601.
14	FLOOR CLEANOUT (FCO) SEE DETAIL 7/P601.
15	DRAIN CONDENSATE INDIRECT TO FLOOR DRAIN FD-1.
16	SEE SHEET P101B FOR CONTINUATION.
17	CONDENSATE TO DRAIN INDIRECT TO FLOOR DRAIN.



2 ENLARGED PLUMBING PLAN — WASTE & VENT

0 2' - 0" 4' - 0" 8' - 0"

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



1 ENLARGED PLUMBING PLAN — WATER SUPPLY

0 2' - 0" 4' - 0" 8' - 0"

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

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Telefax (801) 595-6717
www.mhtn.com

OLSEN & PETERSON consulting engineers, inc.
14 East 2700 South, Salt Lake City, UT 84115
Phone: (801) 485-4848 Fax: (801) 467-2531

PARK CITY SCHOOL DISTRICT

TREASURE MOUNTAIN SPORTS COMPLEX

1750 KEARNS BLVD
PARK CITY, UT 84060

SEAL

LICENSED PROFESSIONAL ENGINEER #334524-2202 JAMES AUSTIN BERRETT 5/12/25 UTAH

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ENLARGED PLUMBING PLANS - PRESS BOX

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PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE	WASTE	VENT	C.W.	H.W.	TEMPERED WATER	NOTES (1)
WC 1	WATER CLOSET	4"	2"	1"	--	--	WALL MOUNTED MANUAL FLUSH VALVE
WC 2	WATER CLOSET	4"	2"	1"	--	--	WALL MOUNTED - ADA MANUAL FLUSH VALVE
WC 3	WATER CLOSET	4"	2"	1"	--	--	FLOOR MOUNTED - ADA MANUAL FLUSH VALVE
U 1	URINAL	2"	2"	3/4"	--	--	WALL MOUNTED MANUAL FLUSH VALVE
U 2	URINAL	2"	2"	3/4"	--	--	WALL MOUNTED - ADA MANUAL FLUSH VALVE
L 1	LAVATORY	1 1/2"	1 1/2"	--	--	1/2"	WALL HUNG - ADA
S 1	SINK	1 1/2"	1 1/2"	1/2"	1/2"	--	COUNTER MOUNTED SS
S 2	SINK	1 1/2"	1 1/2"	1/2"	1/2"	--	COUNTER MOUNTED 2- COMPARTMENT SS
F 1	FILL FAUCET	--	--	3/4"	3/4"	--	THERAPY TUBS
SS 1	SERVICE SINK	3"	2"	3/4"	3/4"	--	FLOOR TYPE
DF 1	DRINKING FOUNTAIN (ADA)	1 1/2"	1 1/2"	1/2"	--	--	WALL MOUNTED EXTERIOR - BI LEVEL ADA - WITH BOTTLE FILLER
DF 2	DRINKING FOUNTAIN	1 1/2"	1 1/2"	1/2"	--	--	WALL MOUNTED - SINGLE LEVEL WITH BOTTLE FILLER
DF 3	DRINKING FOUNTAIN (ADA)	1 1/2"	1 1/2"	1/2"	--	--	WALL MOUNTED - BI LEVEL ADA - WITH BOTTLE FILLER
HB 1	HOSE BIBB	--	--	3/4"	--	--	EXTERIOR - NON FREEZE
HB 2	HOSE BIBB	--	--	3/4"	--	--	INTERIOR WALL BOX WITH VACUUM BREAKER
HB 3	HOSE BIBB	--	--	3/4"	--	--	W/ INTEGRAL VACUUM BREAKER
IMB 1	ICE MAKER BOX	--	--	1/2"	--	--	WALL BOX WITH SHUT-OFF VALVE
TV 1	TEMPERING VALVE	--	--	1/2"	1/2"	--	UNDER LAV MOUNTED ASSE 1070
FD 1	FLOOR DRAIN	2"	1 1/2"	--	--	--	WITH DEEP SEAL P-TRAP
FS 1	FLOOR SINK	3"	2"	--	--	--	WITH DEEP SEAL P-TRAP
TD 1	TRENCH DRAIN	4"	2"	--	--	--	--
SO 1	SAND/OIL INTERCEPTOR	4"	2"	--	--	--	SEE DETAIL 5/P602
RD 1/P	PRIMARY ROOF DRAIN	--	--	--	--	--	SEE PLAN FOR SIZES (2)
RD 2/P	SECONDARY ROOF DRAIN	--	--	--	--	--	SEE PLAN FOR SIZES (2)
DN 1/P	DOWNSPOUT NOZZLE	--	--	--	--	--	SEE PLAN FOR SIZES

NOTES:

1. CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL PLUMBING FIXTURES ACCORDING TO ARCHITECTURAL DRAWINGS PRIOR TO ANY ROUGH-IN OR INSTALLATION WORK, CONNECT 1/2" C.W. AND 1/2" H.W. PIPING TO EACH FAUCET LOCATED ON SINK.
2. ROOF DRAIN LOCATIONS SHALL BE COORDINATED WITH ARCHITECTURAL ROOF PLAN.

PLUMBING EQUIPMENT SCHEDULE

WH-1 & WH-2 — WATER HEATER: GAS FIRED, PACKAGED TYPE, 125,000 BTUH INPUT, 145 GALLONS PER HOUR RECOVERY THRU 100°F TEMP. RISE. HEATER SHALL BE 60 GALLON, FACTORY INSULATED HOT WATER STORAGE TANK WITH ASME RATED GLASS LINED TANK. HEATER SHALL BE SUITABLE FOR PVC VENTING, COMPLETE WITH P & T RELIEF VALVE, GAS TRAIN, FACTORY WIRED AND TESTED. UPPER & LOWER LIMIT OPERATING THERMOSTATS, COMBINATION HIGH AND LOW PRESSURE SAFETY CONTROLS, ROOF VENT TERMINATION KIT, LOW WATER CUT-OFF, & ALL CONTROLS FOR AUTOMATIC OPERATION. SET AT 120°F. CSD-1 COMPLIANT.
MANUFACTURER: BRADFORD WHITE
MODEL: EF-60T-125E-3NA (92% EFFICIENT)

CP-1 — PUMP: IN-LINE RECIRCULATING, 120°F. WATER, 2 GPM AT 10 FT. HEAD, 1/6 H.P., 120/1/60, 3300 RPM, 3/4" CONNECTIONS. ALL BRONZE CONSTRUCTION.
MANUFACTURER: BELL & GOSSETT
MODEL: PL-36

CP-2 — PUMP: IN-LINE RECIRCULATING, 120°F. WATER, 0.75 GPM AT 10 FT. HEAD, 1/6 H.P., 120/1/60, 3300 RPM, 3/4" CONNECTIONS. ALL BRONZE CONSTRUCTION.
MANUFACTURER: BELL & GOSSETT
MODEL: PL-36

EX-1 & EX-2 — EXPANSION TANK: BLADDER TYPE, 120°F DOMESTIC HOT WATER, 6.4 GAL. TOTAL VOLUME, 3.2 GALLONS ACCEPTANCE VOLUME. FACTORY AIR CHARGE 55 PSI, 12" DIA. x 18" HIGH. COMPLETE WITH STEEL SHELL AND HEAVY DUTY BUTYL DIAPHRAGM.
MANUFACTURER: AMTROL
MODEL: AST-12

PLUMBING PIPING LEGEND

DESCRIPTION	SYMBOL
WASTE (BELOW GRADE)	
VENT	
COLD WATER	
HOT WATER	
HOT WATER RECIRCULATING	
GAS (2 LB)	G 2#
PRIMARY ROOF DRAIN	RD
SECONDARY ROOF DRAIN	SRD

MHTN ARCHITECTS
MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
www.mhtn.com

OLSEN & PETERSON consulting engineers, inc.
14 East 2700 South, Salt Lake City, UT 84115
Phone: (801) 485-4848 Fax: (801) 467-2525

PARK CITY SCHOOL DISTRICT

PARK CITY SCHOOL DISTRICT
TREASURE MOUNTAIN SPORTS COMPLEX
1750 KEARNS BLVD
PARK CITY, UT 84060

SEAL:

LICENSED PROFESSIONAL ENGINEER
6334524-2202
JAMES AUSTIN BERRETT
5/12/2025
UTAH

MHTN PROJECT NO. 2017559

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION

ISSUE
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SHEET NAME
PLUMBING SCHEDULES

SHEET NUMBER
P501

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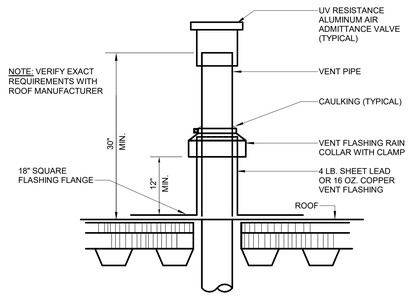
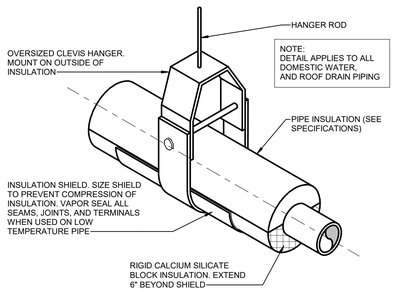


VENT THRU ROOF DETAIL

SCALE: NTS

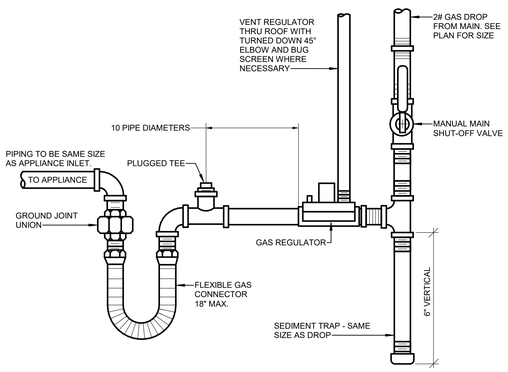
9 / P601



PIPE SUPPORT DETAIL (PLUMBING)

SCALE: NTS

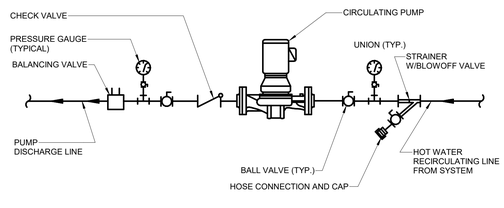
10 / P601



TYPICAL GAS CONNECTION TO EQUIPMENT

SCALE: NTS

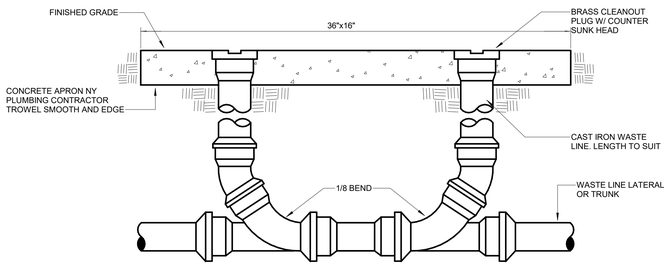
11 / P601



SINGLE CIRCULATING PUMP DETAIL

SCALE: NTS

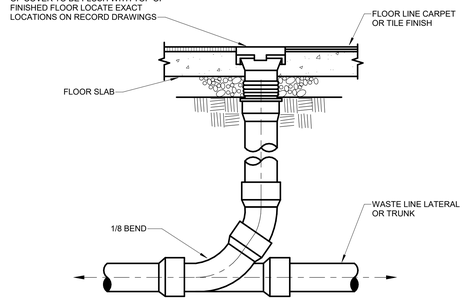
5 / P601



DOUBLE CLEANOUT TO GRADE DETAIL

SCALE: NTS

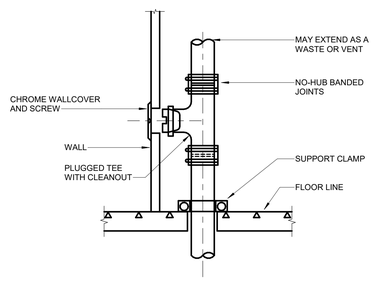
6 / P601



FLOOR CLEANOUT DETAIL

SCALE: NTS

7 / P601



WALL CLEANOUT DETAIL

SCALE: NTS

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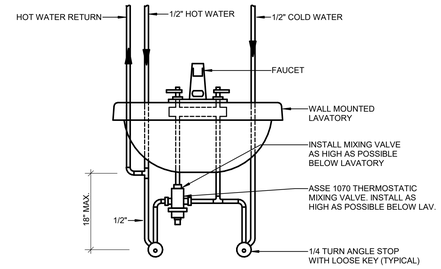
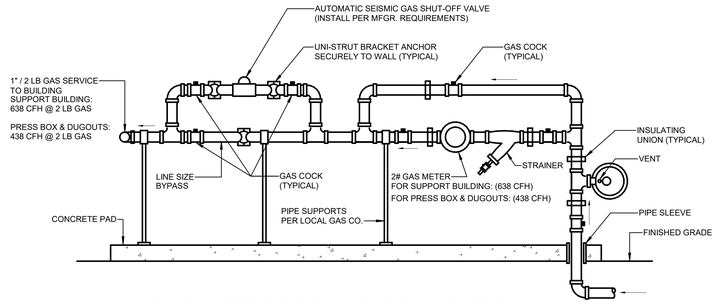


PUBLIC LAVATORY PIPING DETAIL

SCALE: NTS

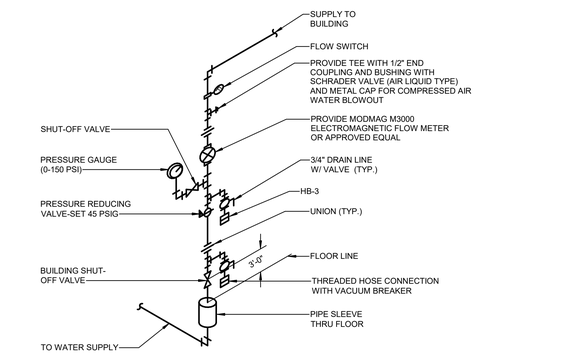
1 / P601



GAS METER SERVICE CONNECTION DETAIL

SCALE: NTS

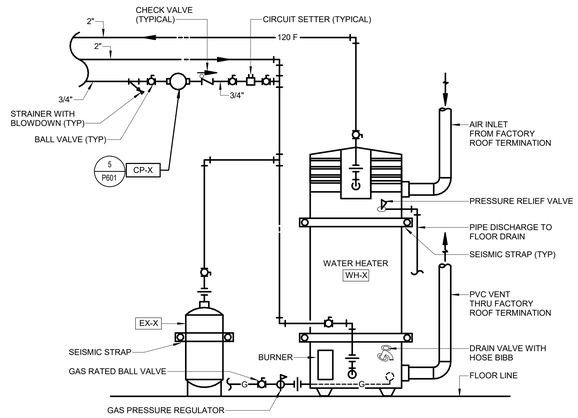
2 / P601



WATER PRESSURE REDUCING STATION

SCALE: NTS

3 / P601



120 DEG. F. GAS FIRED WATER HEATER DETAIL

SCALE: NTS

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MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
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SEAL

LICENSED PROFESSIONAL ENGINEER #334524-2202 JAMES AUSTIN BERRETT 5/12/25 UTAH

MHTN PROJECT NO. 2017559

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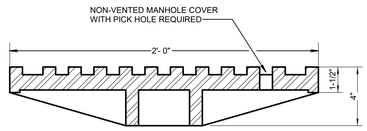
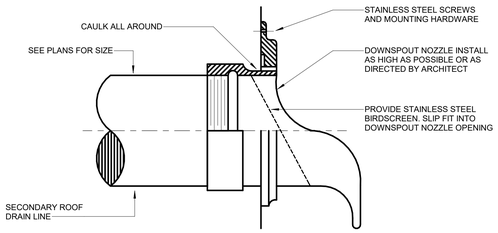


MANHOLE COVER

SCALE: NTS

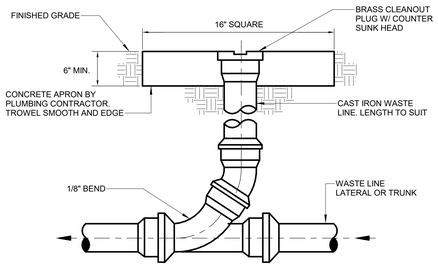
7 / P602



DOWNSPOUT NOZZLE DETAIL

SCALE: NTS

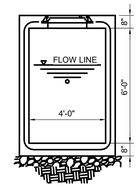
8 / P602



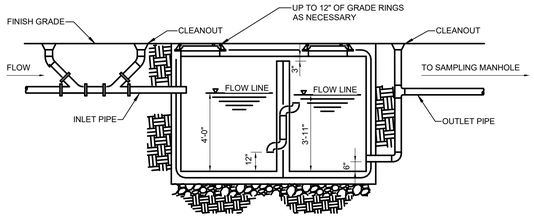
SINGLE CLEANOUT TO GRADE DETAIL

SCALE: NTS

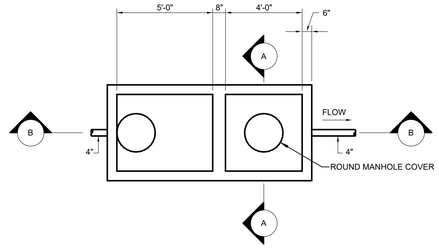
9 / P602



SECTION A



SECTION B



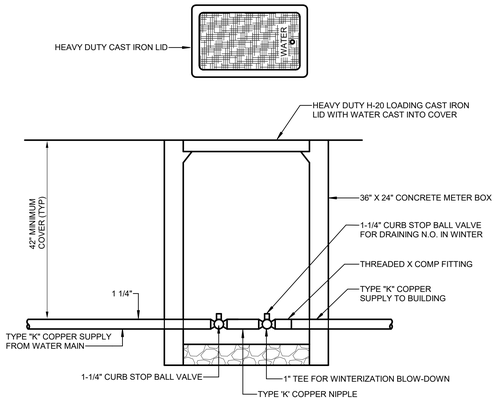
PLAN C

NOTES:
1. PIPING, CLEANOUT CONFIGURATION, SIZE AND TYPE OF PIPING MATERIAL AS PER CITY OR SANITARY DISTRICT. INSPECTION BY SANITARY DISTRICT PRIOR TO BACKFILLING IS REQUIRED.
2. INTERCEPTOR PIPING AND OTHER ASSOCIATED PIPING CHANGES THAT ARE NECESSARY TO INSTALL INTERCEPTOR MUST BE IN ACCORDANCE WITH LOCAL REGULATIONS.
3. INTERCEPTOR MUST BE PROPERLY VENTED, INDEPENDENT OF OTHER FACTORS, IN ACCORDANCE WITH UNIFORM PLUMBING CODE STANDARDS. VENTED INSIDE BUILDING WITH INDEPENDENT VENT AWAY FROM VTR AIR INTAKES.
4. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI.
5. REINFORCEMENT STEEL SHALL BE ASTM A615 GRADE 60.
6. THE CONCRETE COVER OVER REINFORCEMENT STEEL SHALL BE A MINIMUM OF 1-1/2 INCHES.
7. THE STRUCTURE SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE OF UTAH.
8. THE STRUCTURE SHALL BE DESIGNED FOR THE FOLLOWING LOADING CRITERIA:
   A) WALLS DESIGNED FOR A SATURATED EQUIVALENT FLUID AT-REST SOIL PRESSURE OF 90 PCF PLUS TRUCK SURCHARGES.
   B) TRUCK LOADING USING AN AASHTO H-20 TRUCK LOAD.
9. MANWAY FRAME & COVER SHALL BE A TRAFFIC TYPE CASTING FOR H-20 TRUCK LOAD.
10. THE INLET PIPE SHALL BE AT AN ELEVATION 1" HIGHER THAN THE OUTLET PIPE.
11. WHERE THE SEWER LINE ALREADY EXISTS, THE SEWER INVERT INTO AND OUT OF THE INTERCEPTOR SHALL BE 4'-0" ABOVE THE INTERCEPTOR FLOOR.
12. THE BAFFLE IN THE INTERCEPTOR SHALL BE WITHIN 3" OF THE CEILING. BAFFLE WILL HAVE TO BE RAISED WITH EXTENSION OF BOX.
13. COVERS SHALL BE CIRCULAR AND BE SOLID.
14. SANITARY WASTE FROM TOILETS MUST NOT BE PLUMBED THROUGH THE INTERCEPTOR.
15. INTERCEPTOR MUST BE LOCATED IN SUCH A MANNER THAT IT IS READILY ACCESSIBLE FOR CLEANING.
16. GROUT ALL PIPE INTO AND OUT OF BOX FLUSH WITH OUTSIDE.
17. GROUT ALL WINDOW AND KNOCK OUT FLUSH WITH OUTSIDE OF BOX.
18. GROUT ANY SPALDS FROM KNOCKOUTS.
19. 12" OF GRADE RINGS IS ALL THAT CAN BE USED. IF YOU NEED MORE TO GET GRADE, THEN ENTIRE BOX MUST BE RAISED.

600 GALLON SAND/OIL SEPARATOR DETAIL - SO-1

SCALE: NTS

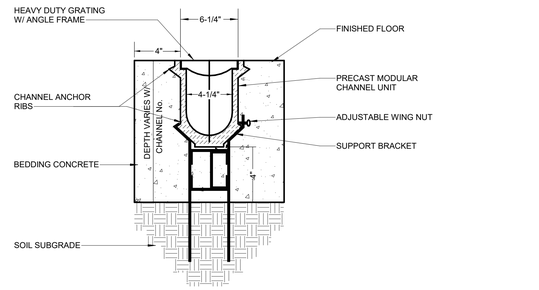
5 / P602



BUILDING SHUT-OFF AND BLOWOUT DETAIL

SCALE: NTS

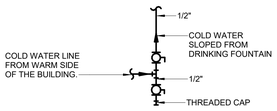
1 / P602



PRECAST TRENCH DRAIN DETAIL

SCALE: NTS

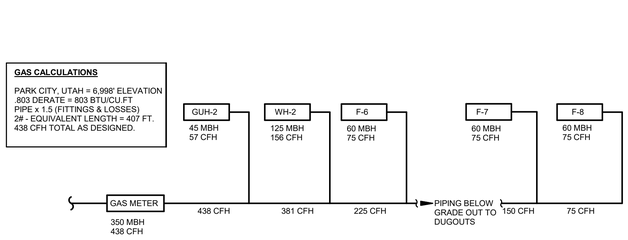
2 / P602



DRINKING FOUNTAIN STOP & WASTE

SCALE: NTS

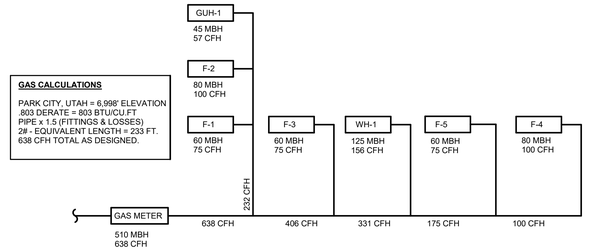
3 / P602



PRESS BOX & DUGOUTS GAS PIPING SCHEMATIC

SCALE: NTS

6 / P602



TREASURE SUPPORT GAS PIPING SCHEMATIC

SCALE: NTS

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MHTN ARCHITECTS
MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
www.mhtn.com

OLSEN & PETERSON
consulting engineers, inc.
14 East 2700 South, Salt Lake City, UT 84115
Phone: (801) 485-4646 Fax: (801) 467-2021

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LIGHTING SYMBOLS

1. LIGHT FIXTURE SYMBOLS ARE GENERAL IN NATURE AND MAY BE SHOWN ON THE DRAWINGS IN VARIOUS SIZES AND SHAPES. REFER TO THE LIGHT FIXTURE SCHEDULE FOR SPECIFICATION INFORMATION.
2. ARROWS INDICATE AIMING DIRECTION.

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	ARM-MOUNTED SINGLE-HEAD LIGHT FIXTURE AND POLE	AS SPECIFIED OR DETAILED	
	ARM-MOUNTED DOUBLE-HEAD LIGHT FIXTURE AND POLE	AS SPECIFIED OR DETAILED	
	POST-TOP SINGLE-HEAD, LIGHT FIXTURE AND POLE	AS SPECIFIED OR DETAILED	
	WALL-MOUNTED FIXTURE	AS SPECIFIED OR DETAILED	REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHT
	LIGHT BOLLARD	AS SPECIFIED OR DETAILED	
	FLOOD LIGHT	AS SPECIFIED OR DETAILED	
	RECESSED WALL FIXTURE OR STEP LIGHT	AS SPECIFIED OR DETAILED	REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHT
	LIGHT FIXTURES	AS SPECIFIED OR DETAILED	
	WALL-MOUNTED LINEAR LIGHT FIXTURE	AS SPECIFIED OR DETAILED	
	LINEAR WALL WASHER	AS SPECIFIED OR DETAILED	
	RECESSED DOWN LIGHT	AS SPECIFIED OR DETAILED	
	RECESSED WALL-WASHER OR DIRECTIONAL DOWNLIGHT	AS SPECIFIED OR DETAILED	
	SURFACE OR PENDANT-MOUNTED LIGHT FIXTURE	AS SPECIFIED OR DETAILED	
	TRACK OR MONO-POINT LIGHT FIXTURE	AS SPECIFIED OR DETAILED	
	WALL SCONCE	AS SPECIFIED OR DETAILED	
	LINEAR PENDANT LIGHT FIXTURE	CEILING	
	EGRESS LIGHT FIXTURE	AS SPECIFIED OR DETAILED	THIS IS AN EXAMPLE OF AN EGRESS LIGHT FIXTURE. EGRESS LIGHT FIXTURES ARE HALF-SHADED DIAGONALLY
	EMERGENCY (NON-EGRESS) LIGHT FIXTURE	AS SPECIFIED OR DETAILED	THIS IS AN EXAMPLE OF AN EMERGENCY (NON-EGRESS) LIGHT FIXTURE. EMERGENCY FIXTURES ARE FULLY-SHADED.
	CEILING MOUNTED EXIT SIGN	CEILING	DARKENED PORTION OF SIGN INDICATES FACE(S). ARROW(S) INDICATE CHEVRON DIRECTION(S)
	WALL-MOUNTED EXIT SIGN	WALL ABOVE DOOR	
	WALL-MOUNTED EXIT SIGN W/ EMERGENCY LIGHT FIXTURE	WALL ABOVE DOOR	
IN	CEILING MOUNTED IN USE SIGN	CEILING	
IN	WALL-MOUNTED IN USE SIGN	WALL ABOVE DOOR	
TC	TIME CLOCK		
	EMERGENCY LIGHT FIXTURE	AS NOTED	
P	ELECTRIC PHOTOCELL	N/A	MOUNT ON ROOF FACING NORTH SKY
XXXX	LIGHT FIXTURE CALLOUT (LETTER DENOTES FIXTURE TYPE)		

FIRE ALARM SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
T	BEAM DETECTOR - TRANSMITTER	4" BELOW CEILING TO TOP OF DETECTOR	
R	BEAM DETECTOR - RECEIVER	4" BELOW CEILING TO TOP OF DETECTOR	
EOL	END OF LINE RESISTOR	PER MANUF. REC.	
T	TAMPER SWITCH	AT VALVE	
W	WATER FLOW INDICATOR	ON FIRE RISER	
FSD	FIRE/SMOKE DAMPER		
X	HEAT DETECTOR	CEILING	SUBSCRIPT INDICATES SPECIFIC REQUIREMENTS/OPTIONS: 'SB': DEVICE WITH SOUNDER BASE
CO X	CARBON MONOXIDE DETECTOR		
X	SMOKE DETECTOR		
X	HEAT DETECTOR	WALL MOUNTED: MAX 12" FROM BOTTOM OF CEILING	'R' DEVICE WITH ADDRESSABLE RELAY 'RES' DEVICE HAS 120V. SMOKE ALARM W/BATTERY BACKUP
CO X	CARBON MONOXIDE DETECTOR		
X	SMOKE DETECTOR		
D	DUCT SMOKE DETECTOR	SIDE OF DUCT	
F	FIRE ALARM MANUAL STATION		
Z	CONTROL MODULE	AT DEVICE(S) TO BE CONTROLLED	
I	MONITOR MODULE	AT DEVICE(S) TO MONITOR	
R	FAN SHUTDOWN RELAY	AT CONTROL PANEL	
D	MAGNETIC DOOR HOLDER	COORDINATE WITH DOOR INSTALLER	COORDINATE WITH DOOR INSTALLER; SUBSCRIPT 'F' INDICATES TO MOUNT AT FLOOR LEVEL
WF	WATER FLOOD CONTROL	FLOOR	
H	AUDIO HORN	INDOOR - REFER TO TYPICAL ADA AND EQUIPMENT MOUNTING HEIGHT DETAIL. OUTDOOR - 120" FROM FINISH FLOOR TO LENS.	SUBSCRIPT 'WP' INDICATES THAT A WEATHER PROOF BACK BOX IS REQ. NUMERIC SUBSCRIPT INDICATES CANDELA RATING OF STROBE (I.E. - 15, 75, 110)
	FIRE ALARM VISUAL STROBE		
	CONCEAL FIRE ALARM VISUAL STROBE		
	FIRE ALARM AUDIO/VISUAL HORN/STROBE		
	CONCEAL FIRE ALARM AUDIO/VISUAL HORN/STROBE		
	CEILING MOUNTED FIRE ALARM AUDIO/VISUAL HORN/STROBE		
	CONCEAL CEILING MOUNTED FIRE ALARM AUDIO/VISUAL HORN/STROBE		
S	FIRE ALARM AUDIO SPEAKER		
S	CEILING MOUNTED FIRE ALARM AUDIO SPEAKER		
	FIRE ALARM AUDIO/VISUAL SPEAKER/STROBE		
	CONCEAL FIRE ALARM AUDIO/VISUAL SPEAKER/STROBE		
	CONCEALED CEILING MOUNTED FIRE ALARM AUDIO/VISUAL SPEAKER/STROBE		
F	FIRE FIGHTERS TELEPHONE JACK	+48"	
	FIRE PROTECTION SPRINKLER RISER BELL	+90"	FURNISHED BY FIRE PROTECTION CONTRACTOR AND INSTALLED AND CONNECTED BY DIV. 26
FACP	FIRE ALARM CONTROL PANEL		
ASD	ASD CONTROL PANEL		

WIRING DEVICE SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	SPLIT-WIRED DUPLEX RECEPTACLE	+18"	
	SIMPLEX RECEPTACLE	+18"	
	DUPLEX RECEPTACLE	+18"	
	FOURPLEX RECEPTACLE	+18"	
	125/250V RECEPTACLE	+18"	RANGE – NEMA 14-50R DRYER – NEMA 14-30R
	GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE	+18"	
	GROUND FAULT CIRCUIT INTERRUPTER FOURPLEX RECEPTACLE	+18"	
	EMERGENCY DUPLEX RECEPTACLE	+18"	
	EMERGENCY FOURPLEX RECEPTACLE	+18"	
	DUPLEX RECEPTACLE W/(2) 3.1A, 5VDC USB PORTS	+18"	
	MULTI-OUTLET ASSEMBLY	4" ABOVE BACKSPLASH	
	POWER / TELEPHONE POLE	FLOOR/CEILING	
(4-PLEX)	CORD DROP	REFER TO FLOOR PLANS	REFER TO DETAIL. REFER TO PLANS.
(4-PLEX)	CORD REEL	REFER TO FLOOR PLANS	REFER TO DETAIL. REFER TO PLANS.
(5-20R)	SPECIAL PURPOSE OUTLET	+18"	SUBSCRIPT IN PARENTHESIS INDICATES NEMA CONFIGURATION IF SHOWN. REFER TO DRAWINGS AND/OR EQUIPMENT SCHEDULES. CONFIRM EXACT CONFIGURATION WITH OWNER PRIOR TO INSTALLATION.

FLOOR BOX DEVICES

SYMBOL	DESCRIPTION	MOUNTING
B#	FLOOR BOX - REFER TO SUBSCRIPT AND FLOOR BOX SCHEDULE FOR MORE INFORMATION	
P	PROVIDE 4" SQUARE DEEP OUTLET BOX AND ELECTRICAL CONNECTIONS TO SYSTEMS FURNITURE. COORDINATE SYSTEM FURNITURE WIRING REQUIREMENTS AND OUTLET BOX LOCATIONS WITH SYSTEM FURNITURE SUPPLIER/INSTALLER PRIOR TO ROUGH-IN. WHIP FROM OUTLET BOX TO SYSTEMS FURNITURE TO BE PROVIDED BY SYSTEM FURNITURE INSTALLER.	
C	PROVIDE BOX WITH GROMMETTED COVER PLATE FOR COMMUNICATION CABLING SIZE BOX PER NEC. COORDINATE PLACEMENT OF OUTLET BOXES IN WALLS AND COLUMNS WITH SYSTEM FURNITURE SUPPLIER/INSTALLER PRIOR TO ROUGH-IN. EXTEND CONDUIT WITH NYLON PULL ROPE TO ACCESSIBLE CEILING SPACE. REFER TO TELECOM RISER DIAGRAM FOR CONDUIT SIZING TERMINATE CONDUIT IN CEILING SPACE WITH A NYLON BUSHING.	
P#	POKE THROUGH - REFER TO SUBSCRIPT AND FLOOR BOX SCHEDULE FOR MORE INFORMATION.	
	MULTI-SERVICE POKE-THRU WITH FURNITURE FEED CONNECTIONS. (POWER, COMMUNICATIONS AND A/V)	FLOOR
P	"TOMBSTONE" (LEGRAND 525) OUTLET BOX WITH FURNITURE FEED CONNECTIONS. (POWER ONLY)	FLOOR
C	"TOMBSTONE" (LEGRAND 525) OUTLET BOX WITH FURNITURE FEED CONNECTIONS. (COMMUNICATIONS ONLY)	FLOOR

LIGHTING CONTROLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	SINGLE-POLE TOGGLE SWITCH	+48"	
a	SINGLE-POLE TOGGLE SWITCH	+48"	"a" LOWER CASE LETTER SPECIFIES ZONE
3	THREE-WAY TOGGLE SWITCH	+48"	
4	FOUR-WAY TOGGLE SWITCH	+48"	
K	KEY-OPERATED SINGLE-POLE TOGGLE SWITCH	+48"	
P	SINGLE-POLE TOGGLE SWITCH WITH PILOT LIGHT	+48"	
DIM	DIMMER SWITCH	+48"	RATE DIMMER SWITCH FOR MAXIMUM POSSIBLE WATTAGE
TIM	TIMER SWITCH	+48"	
OS	OCCUPANCY SENSOR WALL SWITCH	+48"	
D OS	OCCUPANCY SENSOR WALL SWITCH WITH DIMMING	+48"	
XYZ LV#	LOW VOLTAGE SWITCH	+48"	REFER TO SWITCH DETAILS FOR MORE INFORMATION "#" SPECIFIES TYPE
3PM	3-POSITION MOMENTARY CONTACT SWITCH	+48"	REFER TO DETAIL UP-ON; CENTER-NEUTRAL; DOWN-OFF
3PN	3-POSITION MAINTAINED CONTACT SWITCH	+48"	UP-ON; CENTER-OFF; DOWN-ON
a	OCCUPANCY SENSOR	CEILING	"a" LOWER CASE SPECIFIES ZONE
a	WALL MOUNTED OCCUPANCY SENSOR	+48"	"a" LOWER CASE SPECIFIES ZONE
	DAYLIGHT SENSOR	CEILING	"a" LOWER CASE LETTER SPECIFIES ZONE
CP# LV#K	LOW-VOLTAGE SWITCH CONNECTED TO LIGHTING CONTROL PANEL	+48"	CP# REPRESENTS LIGHTING CONTROL PANEL IDENTIFIER LV# SPECIFIES TYPE K INDICATES KEYED SWITCH REFER TO SWITCH DETAILS FOR MORE INFORMATION
CP#	OCCUPANCY SENSOR CONNECTED TO LIGHTING CONTROL PANEL	CEILING	CP# REPRESENTS LIGHTING CONTROL PANEL IDENTIFIER
CP#	DAYLIGHT SENSOR CONNECTED TO LIGHTING CONTROL PANEL	CEILING	CP# REPRESENTS LIGHTING CONTROL PANEL IDENTIFIER
LC OO	LIGHTING CONTROL SEQUENCE OF OPERATIONS IDENTIFIER		REFER TO SEQUENCE OF OPERATIONS SCHEDULE FOR ADDITIONAL INFORMATION
PDLZ	PRIMARY DAYLIGHT ZONE		
SDLZ	SECONDARY DAYLIGHT ZONE		

BRANCH CIRCUITING SYMBOLS

SYMBOL	DESCRIPTION	REMARKS
	BRANCH CIRCUIT HOME RUN TO PANEL	ARROWS: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS REQUIRED.
	BRANCH CIRCUITING (U.N.O.) CONTINUATION	
	CONDUIT STUB-IN	CAP AND MARK
	INCOMING SERVICE	
	UNDERGROUND FEEDER	
	JUNCTION BOX	MOUNT AS NOTED. SUBSCRIPT 'F' INDICATES TO PROVIDE A FLOOR BOX WITH BLANK COVERPLATE.
	BRANCH CIRCUITING (U.N.O.) TURNED UP OR TOWARDS OBSERVER.	
	BRANCH CIRCUITING (U.N.O.) TURNED DOWN OR AWAY FROM OBSERVER.	
	2 CIRCUIT, BRANCH CIRCUIT HOME RUN TO PANEL	ARROWS: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS REQUIRED.
	3 CIRCUIT, 4 WIRE BRANCH CIRCUIT HOME RUN TO PANEL	ARROWS: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS REQUIRED.

GENERAL SYMBOLS

SYMBOL	DESCRIPTION	REMARKS
XX	KEYED NOTE	
1 E-1	DETAIL REFERENCE	TOP NUMBER INDICATES DETAIL NUMBER; BOTTOM LETTER-NUMBER INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN; WHERE NOT SPECIFICALLY REFERENCED, DETAIL IS GENERAL IN NATURE AND SHALL APPLY WHERE APPLICABLE.
2 E-2	ELEVATION REFERENCE	TOP NUMBER INDICATES ELEVATION NUMBER; BOTTOM LETTER-NUMBER INDICATES WHERE ELEVATION IS SHOWN.
3 E-2	SECTION REFERENCE	TOP NUMBER INDICATES ELEVATION NUMBER; BOTTOM LETTER-NUMBER INDICATES WHERE ELEVATION IS SHOWN.
100	ARCHITECTURAL ROOM NUMBER	
AHU 1	EQUIPMENT NAME / NUMBER	TOP NUMBER ABBREVIATES EQUIPMENT NAME OR TYPE; BOTTOM NUMBER INDICATES EQUIPMENT NUMBER. REFER TO EQUIPMENT SCHEDULE.
1	REVISION NUMBER	USED TO DENOTE CHANGES EITHER ISSUED BY ADDENDUM OR DURING CONSTRUCTION AND TO DENOTE RECORD DRAWING CHANGES.
	REVISION CLOUD	USED TO DENOTE AREAS, DEVICES, EQUIPMENT DETAILS, ETC. AFFECTED BY THE REVISION.
	BREAKLINE	USED TO BREAK DRAWINGS.
LCD-###	LIGHTING CONTROL WIRING DIAGRAM CALLOUT	

ELECTRONIC SYSTEM GENERAL SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
PANEL NAME	ELECTRONIC SYSTEM PANELBOARD (SURFACE MOUNT)	TOP AT 72"	ELECTRONIC SYSTEMS MAY INCLUDE BUT ARE NOT SPECIFICALLY LIMITED TO, TELEPHONE, DATA, TELEVISION, LIGHTING CONTROL, CLOCKS, FIRE ALARM, ACCESS CONTROL, SECURITY, CCTV, SOUND SYSTEM, NURSE CALL, OR INTERCOM.
PANEL NAME	ELECTRONIC SYSTEM PANELBOARD (FLUSH MOUNT)	TOP AT 72"	
	ELECTRONIC SYSTEM TERMINAL BOARD	TOP AT 72"	
	TWO POST DATA RACK		
	FOUR POST DATA RACK		
	FLOOR MOUNTED DATA CABINET		
	LARGE DATA CABINET		
	WALL MOUNTED DATA CABINET		

EQUIPMENT AND CONTROL SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
T	MANUAL STARTER WITH THERMAL OVERLOAD(S)	AT EQUIPMENT	
	ELECTRIC MOTOR		
	NON-FUSED DISCONNECT SWITCH	+60"	
F	FUSED DISCONNECT SWITCH	+60"	
	CIRCUIT BREAKER AND ENCLOSURE	+60"	
	MAGNETIC STARTER	+60"	
	COMBINATION MAGNETIC STARTER / FUSED DISCONNECT	+60"	
	COMBINATION MAGNETIC STARTER / NON-FUSED DISCONNECT	+60"	
	COMBINATION MAGNETIC STARTER / MOTOR CIRCUIT PROTECTOR (MCP)	+60"	
VFD	COMBINATION VARIABLE FREQUENCY DRIVE / MOTOR CIRCUIT PROTECTOR (MCP)	FLOOR OR WALL AS SPECIFIED	TOP AT +72" IF WALL MOUNTED
	LOW-VOLTAGE SYSTEM CONTROL PANEL	TOP AT +72"	SEE FLOOR PLANS AND RISER DIAGRAMS FOR ADDITIONAL INFORMATION.
	LOAD CENTER (SURFACE-MOUNTED)	TOP AT +72"	14"W X 3"D
	LOAD CENTER (FLUSH-MOUNTED)	TOP AT +72"	14"W X 3"D
	LIGHTING AND APPLIANCE PANELBOARD (SURFACE-MOUNTED)	TOP AT +72"	20"W X 6"D
	LIGHTING AND APPLIANCE PANELBOARD (FLUSH-MOUNTED)	TOP AT +72"	20"W X 6"D
	POWER DISTRIBUTION PANELBOARD	WALL OR RACK MOUNTED	THESE SYMBOLS ARE GENERAL IN NATURE AND MAY VARY IN SIZE AND SHAPE TO SUIT APPLICATION. CROSS HATCHING INDICATES "MAIN PANELBOARD (OR SWITCHBOARD)" NAME IS INDICATED IN SEMI-QUOTES (I.E. 'L2A', 'MDP')
	SWITCHBOARD	PAD MOUNTED	
T-#	WET TYPE TRANSFORMER	PAD MOUNT	
T-#	DRY TYPE TRANSFORMER	PAD MOUNT	
T-#	DRY TYPE TRANSFORMER	WALL MOUNT	
	METER BASE	TOP AT +72"	
PB	PULL BOX		
	UTILITY POLE		
	OPEN - STOP - CLOSE SWITCH	+60"	FURNISH SWITCH UNLESS FURNISHED BY ANOTHER DIVISION. INSTALL AND CONNECT COMPLETE. REFER TO RELATED SPECIFICATION SECTIONS.
T	HVAC THERMOSTAT	+60"	PROVIDED BY DIVISION 23
	HAND - OFF - AUTO SWITCH	+60"	
GF	GROUND FAULT PROTECTION		
E	ELECTRIC VEHICLE CAR CHARGING STATION	FLOOR	
S	PAD MOUNTED UTILITY SWITCHGEAR		
SE	PAD MOUNTED UTILITY SECTIONALIZER		

INTRUSION DETECTION SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
MD	MOTION DETECTOR	CEILING	SUBSCRIPT DENOTES DEGREES OF MONITORED AREA
D	DURESS PUSH-BUTTON	BELOW DESK	
OHS	OVERHEAD MAGNETIC CONTACT DOOR SWITCH	DOOR	
	MAGNETIC CONTACT DOOR SWITCH	DOOR	
	GLASS BREAK DETECTOR	CEILING	
	SIREN	+90"	
REX	REQUEST FOR EXIT	DOOR	
PANEL NAME	INTRUSION DETECTION CONTROL PANEL	TOP AT +72"	

ELECTRICAL SYMBOL SCHEDULE GENERAL NOTES

1. MOUNT ALL OUTLETS, DEVICES, AND EQUIPMENT AT HEIGHTS INDICATED BELOW, UNLESS NOTED OTHERWISE ON THE DRAWINGS. UNLESS NOTED OTHERWISE, HEIGHTS ARE GIVEN FROM FINISHED FLOOR TO CENTER OF OUTLET BOX.
2. WHERE OUTLETS, DEVICES, AND EQUIPMENT ARE NOTED BY SUBSCRIPTS, REFER TO ABBREVIATION SCHEDULE FOR DEFINED REQUIREMENTS.
3. WHERE OUTLETS, DEVICES AND EQUIPMENT ARE NOTED BY THE SUBSCRIPT 'A', MOUNT AT 4" ABOVE COUNTER. IF COUNTER HAS A BACK SPLASH, MOUNT AT 4" ABOVE BACK SPLASH. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS AND COORDINATE WITH CASEWORK SUPPLIER.
4. NOT ALL ELECTRICAL SYMBOLS MAY BE USED.

ABBREVIATION SCHEDULE

NOTE: NOT ALL ABBREVIATIONS MAY BE USED.

A	ABOVE COUNTER	LS	LONG-TIME, SHORT-TIME
A	AMP OR AMPS	LSI	LONG-TIME, SHORT-TIME INSTANTANEOUS
ACC	ACCESS CONTROL	LSIG	LONG-TIME, SHORT-TIME INSTANTANEOUS GROUND FAULT
ADJ	ADJACENT	LTG	LIGHTING
AFF	ABOVE FINISHED FLOOR	MBJ	MAIN BONDING JUMPER
AHJ	AUTHORITY HAVING JURISDICTION	MCA	MINIMUM CIRCUIT AMPS
AL	ALUMINUM	MCB	MAIN CIRCUIT BREAKER
ATS	AUTOMATIC TRANSFER SWITCH	MLO	MAIN LUGS ONLY
AUX	AUXILIARY	MV	MEDIUM VOLTAGE
AWG	AMERICAN WIRE GAUGE	MW	MICROWAVE
BAS	BUILDING AUTOMATION SYSTEM	NC	NORMALLY CLOSED
BLDG	BUILDING	NEC	NATIONAL ELECTRIC CODE
C	CONDUIT	NIC	NOT IN CONTRACT
CB	CIRCUIT BREAKER	NL	NIGHT LIGHT
CKT	CIRCUIT	NO	NORMALLY OPEN
CLG	CEILING	NTS	NOT TO SCALE
CO	CONVENIENCE OUTLETS	OC	ON CENTER(S)
COMM	COMMUNICATIONS	OCP	OVER CURRENT PROTECTION
CU	COPPER	OCPD	OVER CURRENT PROTECTION DEVICE
(D)	DEMOLISH	PA	PUBLIC ADDRESS
DAS	DISTRIBUTED ANTENNA SYSTEM	PH	PHASE
(E)	EXISTING	PV	PHOTOVOLTAIC
EA	EACH	PWR	POWER
EG	EQUIPMENT GROUND	QTY	QUANTITY
EGC	EQUIPMENT GROUNDING CONDUCTOR	R	REMOVE
ELEC	ELECTRICAL	REF	REFRIGERATOR
EM	EMERGENCY	REQ	REQUIREMENTS
EMT	ELECTRIC METALLIC TUBING	RGC	RIGID GALVANIZED METALLIC CONDUIT
ENT	ELECTRIC NONMETALLIC TUBING	RMC	RIGID METAL CONDUIT
EQUIP	EQUIPMENT	RMP	ROCKY MOUNTAIN POWER
EWC	ELECTRIC WATER COOLER	RNC	RIGID NONMETALLIC CONDUIT
EXP	EXPLOSION PROOF	(RR)	REMOVE AND RELOCATE
FA	FIRE ALARM	S	SURFACE MOUNTED
FACP	FIRE ALARM CONTROL PANEL	SBJ	SYSTEM BONDING JUMPER
FLA	FULL LOAD AMPS	SCP	SECURITY CONTROL PANEL
FMC	FLEXIBLE METAL CONDUIT	SFL	SUB-FEED LUGS
FO	FIBER OPTIC	SPD	SURGE PROTECTIVE DEVICE
FOB	FREIGHT ON BOARD	SS	SURGE SUPPRESSION
FTL	FEED-THROUGH LUGS	SSBJ	SUPPLY SIDE BONDING JUMPER
GEC	GROUNDING ELECTRODE CONDUCTOR	TGB	TELECOMMUNICATION GROUNDING BUS BAR
GND	GROUND CONDUCTOR	TMGB	TELECOMMUNICATION MAIN GROUNDING BUS BAR
H	HOSPITAL GRADE	TR	TAMPER RESISTANT
HOA	HAND-OFF-AUTO	TTB	TELEPHONE TERMINAL BOARD
HP	HORSE POWER	TYP	TYPICAL
HZ	HORIZONTALLY MOUNTED	UF	UNDER FLOOR
IBT	INTERSYSTEM BONDING TERMINATION BAR	UG	UNDERGROUND
ID	INTRUSION DETECTION	UNO	UNLESS NOTED OTHERWISE
IG	ISOLATED GROUND	USB	UNIVERSAL SERIAL BUS
IMC	INTERMEDIATE METAL CONDUIT	VSS	VIDEO SURVEILLANCE SYSTEM
INS	INSULATED	W/	WITH
ISO	ISOLATED	WO/	WITHOUT
KCML	KILO CIRCULAR MIL	WP	WEATHER PROOF
KVA	KILO VOLT AMPERES	WR	WEATHER RESISTANT
KW	KILOWATTS	XFMR	TRANSFORMER
LFNC	LIQUID-TIGHT NONMETAL CONDUIT		

SHEET INDEX

GENERAL PROJECT NOTES

1. DIVISION 26000 CONTRACTOR IS RESPONSIBLE FOR READING AND APPLYING WHAT IS IN THE SPECIFICATIONS TO THIS PROJECT. ANYTHING THAT IS NOT INCLUDED ON THE PROJECT THAT IS CALLED OUT IN THE SPECIFICATION SHALL BE LISTED ON THE SUBSTANTIAL COMPLETION PUNCHLIST. THE CONTRACTOR WILL BE REQUIRED TO REMEDY THESE DEFICIENCIES WITHOUT ADDITIONAL COSTS TO OWNER. THERE WILL BE NO EXCEPTIONS.
2. THE CONTRACTOR MAY SCHEDULE A PRE-CONSTRUCTION MEETING. AT THEIR DISCRETION, WITH THE ELECTRICAL ENGINEER TO REVIEW THE DRAWINGS AND SPECIFICATIONS. THE MEETING SHALL BE A MAXIMUM OF ONE HOUR AND SHALL TAKE PLACE AT THE ENGINEER'S OFFICE.
3. THE FOLLOWING ITEMS ARE SOME OF THE REQUIREMENTS THAT ARE LISTED IN THE SPECIFICATIONS. THESE ITEMS ARE NOT ALL INCLUSIVE AND THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE TO ALL REQUIREMENTS OF THE SPECIFICATIONS:
   A. INSULATED THROAT CONNECTORS OR PLASTIC BUSHINGS SHALL BE UTILIZED FOR ALL CONDUIT SIZED USED ON THIS PROJECT.
   B. THE CONTRACTOR IS RESPONSIBLE FOR UPSIZING CONDUCTORS FOR VOLTAGE DROP PER THE NEC REGARDLESS OF WHETHER IT IS SHOWN ON THE PLANS OR NOT.
   C. THE CONTRACTOR SHALL LABEL ALL ELECTRICAL EQUIPMENT AS IT IS CALLED OUT IN THE SPECIFICATIONS.
   D. THE CONTRACTOR SHALL PROVIDE SEISMIC SUPPORT AND BRACING FOR ALL LIGHT FIXTURES AND ELECTRICAL EQUIPMENT AS REQUIRED BY APPLICABLE LOCAL AND NATIONAL CODES.
4. THE CONTRACTOR SHALL FOLLOW THE PANELBOARD SCHEDULES AS INDICATED IN THE DRAWINGS. EACH CIRCUIT BREAKER HAS BEEN ASSIGNED TO SPECIFIC AREA OF THE BUILDING. NO DEVIATION WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE ELECTRICAL ENGINEER.
5. THE CONTRACTOR SHALL INSTALL THE WIRE SIZES AS CALLED OUT ON THE ONE-LINE DIAGRAM, EQUIPMENT SCHEDULES, VOLTAGE DROP TABLES, AND ELECTRICAL SPECIFICATIONS. HOWEVER, THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE WIRE IS SIZED LARGE ENOUGH TO ALLOW FOR VOLTAGE DROP.
6. THE CONTRACTOR SHALL VERIFY ALL MECHANICAL OVERCURRENT DEVICES FOR THE ACTUAL MECHANICAL EQUIPMENT SUPPLIED ON THE JOB, PRIOR TO RELEASE OF ANY ELECTRICAL DISTRIBUTION EQUIPMENT. CONTACT THE ELECTRICAL ENGINEER WITH ANY DISCREPANCIES.
7. THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING THE BID, AND SHALL EXAMINE ALL PHYSICAL CONDITIONS WHICH MAY BE MATERIAL TO THE PERFORMANCE OF HIS WORK. NO ADDITIONAL PAYMENTS WILL BE ALLOWED TO THE CONTRACTOR AS A RESULT OF EXTRA WORK MADE NECESSARY BY HIS FAILURE TO DO SO. ANY CASE OF DISCREPANCY OR LACK OF CLARITY SHALL BE PROMPTLY IDENTIFIED TO THE OWNER'S REPRESENTATIVE AND THE ENGINEER FOR CLARIFICATION.

MHTN ARCHITECTS
MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
www.mhtn.com

ENVISION ENGINEERING
240 E. MORRIS AVE. SUITE 200
SALT LAKE CITY, UT 84115
P. (801) 534-1130
www.envisioneng.com
ENV:2025-041.00

PCSD PARK CITY SCHOOL DISTRICT

PARK CITY SCHOOL DISTRICT
TREASURE MOUNTAIN SPORTS COMPLEX
1750 KEARNS BLVD
PARK CITY, UT 84060

SEAL

2025/05/12

MHTN PROJECT NO. 2017559

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION

ISSUE
BID SET #1
MAY 12, 2025

SHEET NAME
GENERAL NOTES AND SYMBOLS LISTS

SHEET NUMBER
EG001

RETURN TO SHEET INDEX

TELEPHONE / DATA SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
▷	TELEPHONE OUTLET	+18"	
▶	DATA OUTLET	+18"	
▶	COMBINATION TELEPHONE/DATA OUTLET	+16"	
▬	TELEPHONE TERMINAL BOARD	TOP AT 72"	
)))	WIRELESS ACCESS POINT	CEILING	
))) W	WIRELESS ACCESS POINT	SEE PLANS	
E	EMERGENCY PHONE	SEE PLANS	

AREA OF REFUGE SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
TC	TWO WAY COMMUNICATION CALL STATION		
TM	TWO WAY MASTER		

ONE-LINE SYMBOLS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
'A'	LIGHTING AND APPLIANCE PANEL BOARD	'A'	DISTRIBUTION PANEL	'A'	LOAD CENTER
	CIRCUIT BREAKER		CIRCUIT BREAKER ENCLOSED		SPARE
	NORMALLY OPEN CONTACT		NORMALLY CLOSED CONTACT		THERMAL OVERLOAD
	MOTOR	K	KEY INTERLOCK	C	RELAY COIL
	DISCONNECT SWITCH		DISCONNECT SWITCH FUSED	SPD	SURGE SUPPRESSION DEVICE
	FUSED SWITCH		COMBINATION MCP STARTER WITH THERMAL OVERLOAD		COMBINATION FUSIBLE STARTER WITH THERMAL OVERLOAD
	MUSHROOM PUSH BUTTON	PF	PHASE FAILURE RELAY	M	METER
	AUTOMATIC TRANSFER SWITCH		GROUND		CURRENT TRANSFORMER
	TRANSFORMER		GUTTER	G	GENERATOR
GND N	GROUND AND NEUTRAL		STANDARD SWITCHED WAY		GROUND RODS
	POWER FACTOR CORRECTION CAPACITOR & ENCLOSURE		CT CABINET		PULLING SECTION
	CAM LOCK MALE		CAM LOCK FEMALE		LIGHTNING PROTECTION
	COLD WATER PIPE		BUILDING STEEL		CONCRETE ENCASED ELECTRODE
	ISOLATION AUTOMATIC TRANSFER SWITCH				MAIN SWITCHBOARD
	BUS BAR				GROUND SLEEVE

ACCESS CONTROL SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
REX	REQUEST-TO-EXIT MOTION DETECTOR	CEILING	
S	ELECTROMAGNETIC DOOR STRIKE	DOOR	
SS	SEISMIC SENSOR	DOOR	
D	MAGNETIC DOOR CONTACT SWITCH	DOOR	
M	MAGNETIC LOCK	DOOR	
OHS	OVERHEAD SECURITY	DOOR	
OHD	OVERHEAD DOOR CONTACT	DOOR	
EH	ELECTRIFIED HINGE	DOOR	
EL	ELECTRIFIED LEVER	DOOR	
EP	ELECTRIFIED PANIC HARDWARE	DOOR	
G	GLASS BREAK HARDWARE	CEILING/WALL	
PS	POWER SUPPLY	CEILING/WALL	
IL	INTEGRATED LOCK	+46"	
PP	PUSH PLATE FOR AUTOMATIC DOOR OPERATOR	+46"	
ADO	AUTOMATIC DOOR OPERATOR	DOOR	
KP	KEYPAD	+48"	
CK	CARD READER / KEYPAD	+48"	
MK	MAGNETIC STRIP CARD READER / KEYPAD	+48"	
CR	CARD READER	+48"	
MR	MAGNETIC STRIP CARD READER	+48"	
AUTO	AUTOMATIC SLIDING DOOR	DOOR	

SIGNAL BELL SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
B	BELL/CHIME	+90"	
	BUZZER	+90"	
	SIGNAL BELL PUSH BUTTON	+48"	

NURSE CALL SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	PATIENT STATION	+48"	
	EMERGENCY PULL STATION	+48"	
C	CODE BLUE STATION	+48"	
2	DOUBLE PATIENT STATION	+48"	
SS	STAFF STATION	+48"	
DS	DUTY STATION	+48"	
	DOME LIGHT	6" ABOVE DOOR	SUBSCRIPT 'C' INDICATES CEILING MOUNTED
MAS	MASTER STATION CONSOLE	DESK	

TELEVISION SYSTEM SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	TELEVISION OUTLET	+18"	
	ANTENNA	ROOF	

LIGHTNING PROTECTION SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	UNIVERSAL AIR TERMINAL		
	MECHANICAL TYPE CABLE TO CABLE CONNECTION		
	EXOTHERMIC TYPE CABLE TO CABLE CONNECTION		
	EXOTHERMIC TYPE CABLE TO GROUND ROD CONNECTION		
	BOND TO TYPICAL BODY OF INDUCTANCE		
TR	THRU-ROOF PENETRATION		

TELEVISION DISTRIBUTION SYSTEM EQUIPMENT LIST

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
2P			2-PORT BLONDER TONGUE SXRS-2
4P			4-PORT BLONDER TONGUE SXRS-4
DA	BROADBAND DISTRIBUTION AMPLIFIER		BLONDER TONGUE BIDA 75R-30
	WALL TAP PLATE		BLONDER TONGUE VERSTATAP SERIES MODEL V-1GF-FT W/ COVER PLATE.
DC 4	DIRECTIONAL COUPLER, 4 PORT (W/ DB ATTENUATION VALUE)		BLONDER TONGUE SERIES SDC-4
DC 1	DIRECTIONAL COUPLER, SINGLE PORT (W/ DB ATTENUATION VALUE)		BLONDER TONGUE SERIES SRT
	COAXIAL CABLE, HORIZONTAL DROP		RG-6 (PLENUM-RATED)
	COAXIAL CABLE, TRUNK LINE		RG-11 (MOISTURE-RESISTANT)
	RF TERMINATOR		75 OHM TERMINATOR

DESCRIPTION

1. TERMINATE ALL UNUSED SPLITTER AND DIRECTIONAL COUPLER PORTS WITH 75 OHM TERMINATION CONNECTORS.
2. ALL T.V. OUTLETS SHALL HAVE A VIDEO SIGNAL LEVEL OUTLET OF AT LEAST +5DBMV.
3. AT EACH TELEVISION OUTLET, PROVIDE 4" SQUARE OUTLET BOX WITH 3/4" CONDUIT TO CEILING SPACE ROUTE PLENUM-RATED CABLE THROUGH CONDUIT TO DIRECTIONAL COUPLERS IN DATA ROOMS.

INTERCOM SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
IC	INTERCOM MASTER STATION	+60"	SUBSCRIPT 'S' INDICATES DESK MOUNTING
IM	INTERCOM STATION	+60"	
S	SPEAKER - WALL RECESSED MOUNTED	HEIGHT AS NOTED	IF SHOWN, SUBSCRIPT INDICATES TYPE
S	SPEAKER - CLG RECESSED MOUNTED	CEILING	
S WP	RECESSED WEATHERPROOF EXTERIOR WALL-MOUNTED SPEAKER	+90"	
V	VOLUME CONTROL SWITCH	+48"	
#	SCHOOL INTERCOM EQUIPMENT CABINET	+72" TO TOP OF CABINET	NUMBER INDICATES EQUIPMENT CABINET NUMBER
CS	CALL SWITCH	+48"	
PMI	REMOTE PROGRAM & MICROPHONE INTERFACE	MILLWORK	

CLOCK SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
C	CLOCK	CEILING	IF SHOWN, SUBSCRIPT INDICATES TYPE.
C	WALL-MOUNTED CLOCK	+90"	
C	COMBINATION CLOCK/SPEAKER	+90"	
MC	MASTER CLOCK	+60"	

PUBLIC SAFETY RADIO 'DAS' SYSTEM SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	INTERIOR ANTENNA	CEILING	
	ANTENNA	WALL	
	SPLITTER	+6'-0" ON WALL	
	ANTENNA ROOF	ROOF	
	DAS BI-DIRECTIONAL AMPLIFIER (BDA)	RACK	
	DAS CABLE	CEILING	

VIDEO SURVEILLANCE SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	BULLET STYLE VIDEO SURVEILLANCE CAMERA	SEE PLANS	SUBSCRIPT DENOTES DEGREES OF MONITORED AREA
	BULLET STYLE VIDEO SURVEILLANCE CAMERA	WALL	
	DOME STYLE VIDEO SURVEILLANCE CAMERA	SEE PLANS	
	DOME STYLE VIDEO SURVEILLANCE CAMERA	WALL	

MHTN ARCHITECTS
MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
www.mhtn.com

ENVISION ENGINEERING
240 E. MORRIS AVE. SUITE 200
SALT LAKE CITY, UT 84115
P. (801) 534-1130
www.envisioneng.com
ENV:2025-041.00

PARK CITY SCHOOL DISTRICT

TREASURE MOUNTAIN SPORTS COMPLEX

1750 KEARNS BLVD
PARK CITY, UT 84060

SEAL

REGISTERED PROFESSIONAL ENGINEER
DAVID P. WHITTON
No.264397
STATE OF UTAH
2025/05/12

MHTN PROJECT NO. 2017559

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REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD. USE REFLECT LAST REVISION DATE.

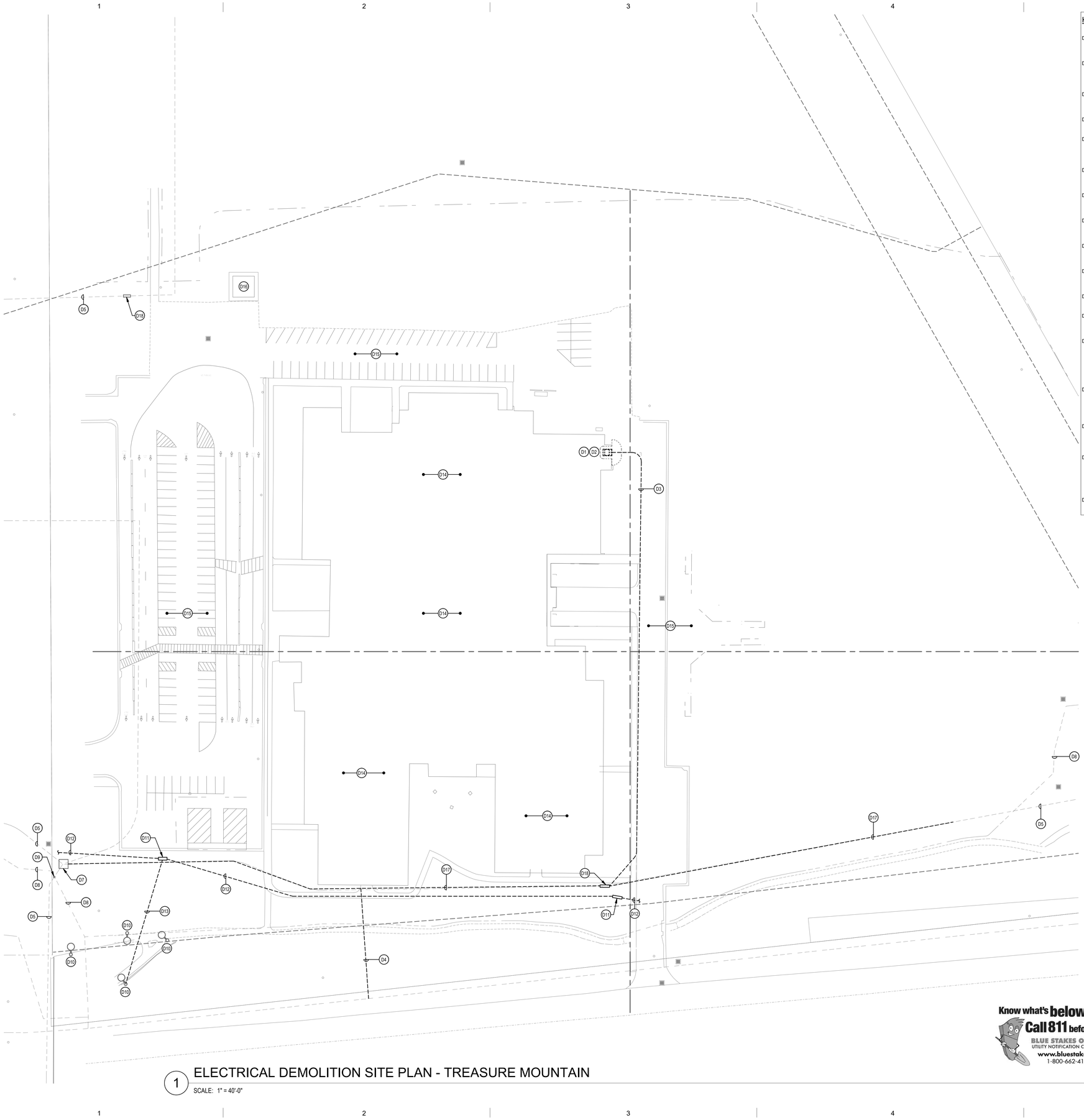
NO	DATE	DESCRIPTION

ISSUE
BID SET #1
MAY 12, 2025

SHEET NAME
SYMBOL LISTS

SHEET NUMBER
EG002

RETURN TO SHEET INDEX



1 ELECTRICAL DEMOLITION SITE PLAN - TREASURE MOUNTAIN

SCALE: 1" = 40'-0"

KEYED NOTES (#)

D1 EXISTING ROCKY MOUNTAIN POWER TRANSFORMER TO BE REMOVED BY ROCKY MOUNTAIN POWER. COORDINATE ALL WORK WITH ROCKY MOUNTAIN POWER.

D2 EXISTING METER TO BE REMOVED BY ROCKY MOUNTAIN POWER. CONTRACTOR TO REMOVE METER BASE, CONDUCTORS AND ALL ASSOCIATED CONDUIT COMPLETELY. COORDINATE ALL WORK WITH ROCKY MOUNTAIN POWER.

D3 EXISTING PRIMARY CONDUCTORS TO BE REMOVED BY ROCKY MOUNTAIN POWER. ABANDON UNDERGROUND CONDUIT IN PLACE. COORDINATE ALL WORK WITH ROCKY MOUNTAIN POWER.

D4 EXISTING COMMUNICATIONS CABLING TO BE REMOVED BY THE PROVIDER. CONFIRM ALL REQUIREMENTS WITH THE SERVICE PROVIDER.

D5 EXISTING ROCKY MOUNTAIN POWER BELOW GRADE DISTRIBUTION TO REMAIN IN PLACE. PROTECT FROM DAMAGE DURING ALL PHASES OF THE CONSTRUCTION. ANY DAMAGE DONE TO THE DISTRIBUTION SHALL BE REPAIRED.

D7 EXISTING ROCKY MOUNTAIN POWER SWITCH TO REMAIN IN PLACE. PROTECT FROM DAMAGE DURING ALL PHASES OF THE CONSTRUCTION. ANY DAMAGE DONE TO THE SWITCH SHALL BE REPAIRED.

D8 EXISTING LUMEN BELOW GRADE DISTRIBUTION TO REMAIN IN PLACE. PROTECT FROM DAMAGE DURING ALL PHASES OF THE CONSTRUCTION. ANY DAMAGE DONE TO THE DISTRIBUTION SHALL BE REPAIRED.

D9 EXISTING LUMEN PEDESTAL TO REMAIN IN PLACE. PROTECT FROM DAMAGE DURING ALL PHASES OF THE CONSTRUCTION. ANY DAMAGE DONE TO THE PEDESTAL SHALL BE REPAIRED.

D10 EXISTING LIGHTING TO REMAIN IN PLACE. PROTECT FROM DAMAGE DURING ALL PHASES OF THE CONSTRUCTION. ANY DAMAGE DONE TO THE PEDESTAL SHALL BE REPAIRED

D11 EXISTING PCSD IN GRADE FIBER OPTIC JUNCTION BOX TO BE REMOVED. COORDINATE ALL WORK WITH PCSD PRIOR TO THE START OF THE CONSTRUCTION.

D12 EXISTING PCSD FIBER OPTIC NETWORK DISTRIBUTION CABLING BE REMOVED BY PCSD. EXISTING CONDUIT TO BE ABANDONED IN PLACE.

D13 EXISTING FIBER OPTIC CABLING TO CCTV CAMERAS TO BE REMOVED BY PCSD. EXISTING CONDUIT TO REMAIN IN PLACE TO THE GREATEST EXTEND POSSIBLE.

D14 PCSD TO REMOVE ALL EQUIPMENT, DEVICES, ACCESS CONTROL DEVICES / PANELS, INTRUSION DETECTION SYSTEM DEVICES / PANELS, FIRE ALARM SYSTEM DEVICES / PANELS, CCTV EQUIPMENT, DATA EQUIPMENT TO THE OWNER PRIOR TO THE DEMOLITION. COORDINATE WITH THE OWNER THAT ALL EQUIPMENT HAS BEEN REMOVED PRIOR TO THE BUILDING DEMOLITION STARTING. COORDINATE BUILDING DEMOLITION SCHEDULE WITH THE OWNER AND GENERAL CONTRACTOR.

D15 REMOVE AND RETURN OR DISPOSE OF ALL SITE LIGHTING AND POLE BASES COMPLETELY. CONFIRM WITH THE OWNER IF THEY WANT ANY OF THE SITE LIGHTING RETURNED PRIOR TO THE START OF THE DEMOLITION. ALL BELOW GRADE CONDUIT TO BE ABANDONED IN PLACE. REMOVE ALL CONDUCTORS COMPLETELY.

D16 DISCONNECT POWER FROM EXISTING BUILDING. IT IS UNKNOWN WHERE THIS BUILDING IS FED FROM. REMOVE EXISTING FEEDER CONDUCTORS TO THE SOURCE COMPLETELY, ABANDON BELOW GRADE CONDUIT IN PLACE.

D17 EXISTING ROCKY MOUNTAIN POWER MEDIUM VOLTAGE FEED TO BE REMOVED AND RELOCATED. COORDINATE ALL WORK WITH ROCKY MOUNTAIN POWER PRIOR TO ANY WORK BEING DONE. SEE ES101 FOR NEW BUSINESS HOURS AND ON WEEKENDS AND BE RESTORED BY THE FOLLOWING BUSINESS DAY. SCHEDULE ALL POWER OUTAGES WITH THE OWNER SEVEN (7) DAYS PRIOR TO THE OUTAGE.

D18 EXISTING ROCKY MOUNTAIN POWER GROUND SLEEVE TO BE REMOVED BY ROCKY MOUNTAIN POWER. COORDINATE ALL WORK WITH ROCKY MOUNTAIN POWER PRIOR TO THE START OF THE DEMOLITION.

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ROCKY MOUNTAION POWER REP:
INDIANA ESPINOZA
Tele: 385.302.8603
Email: INDIANA.ESPINOZA@PACIFICCORP.COM

CENTURYLINK REP:
KORBY WHITING
Tele: 385.208.6724
Email: KORBY.WHITING@LUMEN.COM

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MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
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ENVISION ENGINEERING
240 E. MORRIS AVE. SUITE 200
SALT LAKE CITY, UT 84115
P. (801) 534-1130
www.envisioneng.com
ENV:2025-041.00

PARK CITY SCHOOL DISTRICT

TREASURE MOUNTAIN SPORTS COMPLEX

1750 KEARNS BLVD
PARK CITY, UT 84060

SEAL

REGISTERED PROFESSIONAL ENGINEER
DAVID P. WHITTON
No.264397
STATE OF UTAH
2025/05/12

MHTN PROJECT NO. 2017559

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD. USE REFLECT LAST REVISION DATE.

NO	DATE	DESCRIPTION

ISSUE
BID SET #1
MAY 12, 2025

SHEET NAME
ELECTRICAL DEMOLITION SITE PLAN - TREASURE MTN

SHEET NUMBER
ESD101

RETURN TO SHEET INDEX

Autodesk Docs://2025007 PC Sport Complex/E24 20250507 PCHS Athletic Complex.rvt
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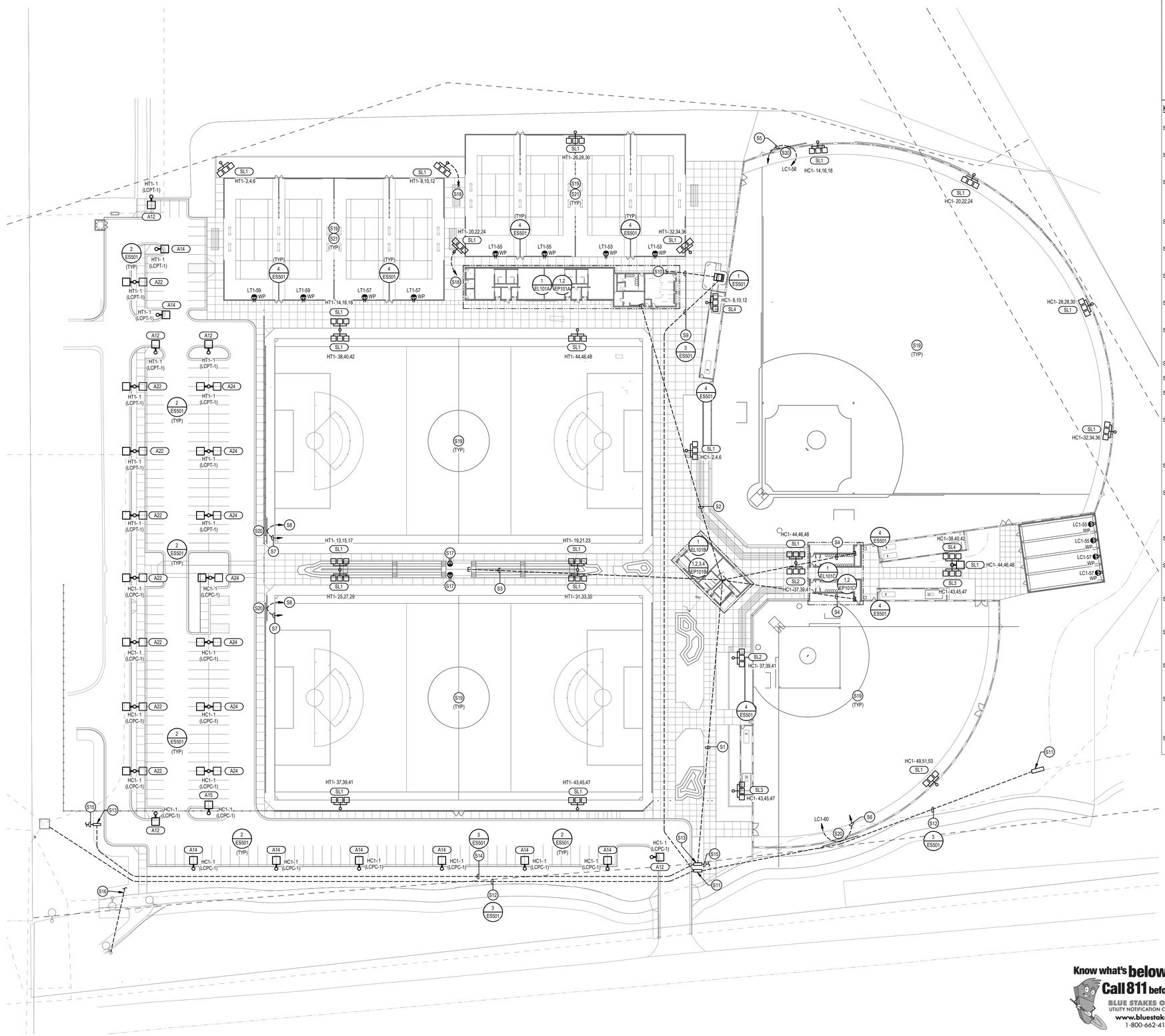

1 ELECTRICAL SITE PLAN - TREASURE FIELDS

SCALE: 1" = 40'-0"

SITE GENERAL NOTES:

1. PROVIDE ALL REQUIRED BACKFILLING, ETC. FOR ALL CONDUITS, PROVIDE REQUIRED BACKFILL MATERIAL AS DIRECTED BY EACH UTILITY.
2. COORDINATE ALL LOCATIONS AND ROUTING WORK IN THE FIELD.
3. ROUTE CONDUITS A MINIMUM OF 6" BELOW THE BUILDING FLOOR SLAB.
4. MINIMUM CONDUIT FOR SITE WORK SHALL BE 1".
5. CONDUIT ROUTING SHOWN IS SCHEMATIC AND FOR CLARIFICATION COORDINATE LOCATION WITH ALL AFFECTED TRADES.
6. PROVIDE A MINIMUM OF 12" SEPARATION BETWEEN POWER AND COMMUNICATION CONDUITS.
7. ALL CONDUITS THAT EXTEND THROUGH CONCRETE SHALL BE GRC OR HDPE OR FIBERGLASS AND WRAPPED WITH TWO (2) LAYERS OF PVC TAPE.
8. ALL ELBOWS THAT ARE UNDER THE FINISHED GRADE SHALL BE GRC OR HDPE OR FIBERGLASS AND WRAPPED WITH TWO (2) LAYERS OF PVC TAPE.
9. ALL SITE LIGHTING AND SITE BRANCH CIRCUITS TO BE MINIMUM #10 AWG COPPER. UPSIZE CONDUIT AND WIRE FURTHER AS REQUIRED FOR VOLTAGE DROP. TO MAINTAIN NO MORE THAN 5% FROM SERVICE TO THE FARTHEST DEVICE.

KEYED NOTES (#)

S1 EXTEND A 4" CONDUIT WITH THREE 1" INTERDUCTS FROM LOCATION SHOWN TO ELEC B112 (PRESS BOX) FOR PCSD NETWORK. SEE EP601 FOR FIBER OPTIC CABLE REQUIREMENTS.

S2 EXTEND A 4" CONDUIT WITH THREE 1" INTERDUCTS FROM ELEC B112 (PRESS BOX) TO ELEC A133 (SUPPORT BUILDING) FOR PCSD NETWORK. SEE EP601 FOR FIBER OPTIC CABLE REQUIREMENTS.

S3 EXTEND TWO (2) 2" CONDUITS FROM ELECT B112 (PRESS BOX) TO THE SOCCER PRESS BOX LOCATION. EXTEND ONE CONDUIT INTO EACH PRESS BOX. COORDINATE STUB LOCATION WITHIN EACH PRESS BOX WITH THE OWNER AND PRESS BOX SUPPLIER / INSTALLER PRIOR TO EXTENDING CONDUITS.

S4 EXTEND ONE (1) 2" CONDUIT FROM ELECT B112 (PRESS BOX) TO THE DUGOUT LOCATION SHOWN. COORDINATE STUB LOCATION AT THE DUGOUT WITH THE OWNER PRIOR TO ANY ROUGH-IN.

S5 EXTEND A 1-1/2" CONDUIT FROM THE SCOREBOARD TO THE BASEBALL DESK LOCATION ON THE SECOND FLOOR OF THE PRESS BOX BUILDING. CONFIRM STUB LOCATION WITH THE OWNER PRIOR TO ANY ROUGH-IN.

S6 EXTEND A 1-1/2" CONDUIT FROM THE SCOREBOARD TO THE SOFTBALL DESK LOCATION ON THE SECOND FLOOR OF THE PRESS BOX BUILDING. CONFIRM STUB LOCATION WITH THE OWNER PRIOR TO ANY ROUGH-IN.

S7 EXTEND A 1-1/2" CONDUIT FROM THE SCOREBOARD TO THE ASSOCIATED SOCCER FIELD PRESS BOX. CONFIRM STUB LOCATION WITH THE OWNER AND PRESS BOX SUPPLIER / INSTALLER PRIOR TO ANY ROUGH-IN.

S8 PRESS BOX ELECTRICAL PANEL IS PROVIDED WITH THE PRESS BOX. CONNECT TO AVAILABLE 20A, 1 POLE BREAKER IN THE PRESS BOX ASSOCIATED WITH THIS FIELD. NOTE THE ACTUAL BREAKER USED ON THE REDLINES AS-BUILT DRAWINGS.

S9 SEE ONE-LINE DIAGRAM FOR CONDUIT REQUIREMENTS.

S10 SEE SHEET EP101A FOR CONTINUATION.

S11 NEW ROCKY MOUNTAIN POWER GROUND SLEEVE. COORDINATE EXACT LOCATION, WORK AND INSTALLATION WITH ROCKY MOUNTAIN POWER PRIOR TO THE START OF THE CONSTRUCTION.

S12 EXTEND 4" CONDUIT (OR SIZE AS DIRECTED BY ROCKY MOUNTAIN POWER) TO LOCATION AS SHOWN. COORDINATE ALL REQUIREMENTS AND ROUTING PATH WITH ROCKY MOUNTAIN POWER PRIOR TO ANY WORK BEING DONE. ALL POWER OUTAGES SHALL TAKE PLACE AFTER BUSINESS DAY. SCHEDULE ALL POWER OUTAGES WITH THE OWNER SEVEN (7) DAYS PRIOR TO THE OUTAGE.

S13 NEW 24"X36" CONCRETE IN GRADE JUNCTION BOX FOR PCSD FIBER OPTIC NETWORK. CONFIRM JUNCTION BOX SIZE WITH PCSD PRIOR TO ORDERING.

S14 EXTEND TWO (2) 4" CONDUITS BETWEEN THE NEW FIBER OPTIC IN GRADE JUNCTION BOXES. PROVIDE THREE (3) 1-1/2" INTERDUCTS IN ONE OF CONDUITS. PROVIDE PULL ROPES IN ALL INTERDUCTS AND THE EMPTY 4" CONDUIT. ALL ELBOWS SHALL BE LONG SWEEPING FOR FIBER OPTIC INSTALLATION. COORDINATE INSTALLATION CLEARANCE REQUIREMENTS WITH ROCKY MOUNTAIN POWER.

S15 PCSD TO INTERCEPT AND EXTEND THE EXISTING TWO(2)-4" CONDUITS TO THE NEW FIBER OPTIC IN GRADE JUNCTION BOX LOCATION. COORDINATE ALL WORK WITH PCSD PRIOR TO THE START OF CONSTRUCTION.

S16 INTERCEPT THE EXISTING FIBER OPTIC CONDUITS AND EXTEND TO THE NEW WEST IN GRADE JUNCTION BOX. CONDUIT IS ASSUMED TO BE 1", CONTRACTOR TO FIELD VERIFY PRIOR TO THE START OF THE CONSTRUCTION. FIBER CABLING TO BE INSTALLED BY PCSD.

S17 POWER FOR AV RACK. CONFIRM EXACT LOCATION IN THE FIELD PRIOR TO ANY ROUGH-IN. PRESS BOX ELECTRICAL PANEL IS PROVIDED WITH THE PRESS BOX. CONNECT TO AVAILABLE 20A, 1 POLE BREAKER IN PANEL ASSOCIATED WITH THE PRESS BOX.

S18 EXTEND A 1" CONDUIT WITH #10 FROM THE PUSH BUTTON ON THE POLE TO THE CONTROL PANEL IN STORAGE A132. PROVIDE TERMINATIONS AT THE PUSH BUTTON AND CONTROL PANEL. COORDINATE ALL WORK WITH MUSCO PRIOR TO ANY ROUGH-IN.

S19 ROUTE SPORTS LIGHTING BRANCH CIRCUIT THROUGH THE SPORTS LIGHTING CONTROL PANEL. SEE POWER PLANS FOR CONTROL PANEL LOCATIONS. CONFIRM ALL INSTALLATION REQUIREMENTS WITH MUSCO PRIOR TO ANY ROUGH-IN.

S20 SCOREBOARD FURNISHED BY OTHERS WITH POWER CONNECTIONS BY DIV 26. PROVIDE ALL REQUIRED DISCONNECTS, GROUNDING AND CONNECTIONS AS REQUIRED BY THE MANUFACTURE AND NEC. CONFIRM ALL REQUIREMENTS WITH THE EQUIPMENT MANUFACTURE AND ARCHITECT PRIOR TO ANY ROUGH-IN.

S21 DO NOT ROUTE ANY CONDUITS THROUGH THE POST TENSION TENNIS COURT SLAB. COORDINATE ALL CONDUIT ROUTING WITH THE GENERAL CONTRACTOR PRIOR TO ANY ROUGH-IN.

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www.bluestakes.org
1-800-662-4111

ROCKY MOUNTAION POWER REP:
INDIANA ESPINOZA
Tele: 385.302.8603
Email: INDIANA.ESPINOZA@PACIFICCORP.COM

CENTURYLINK REP:
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Tele: 385.208.6724
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MHTN Architects, Inc.
280 South 400 West, Suite 250
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Telephone (801) 595-6700
Telefax (801) 595-6717
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ENVISION ENGINEERING
240 E. MORRIS AVE. SUITE 200
SALT LAKE CITY, UT 84115
P. (801) 534-1130
www.envisioneng.com
ENV:2025-041.00

PARK CITY SCHOOL DISTRICT

TREASURE MOUNTAIN SPORTS COMPLEX

1750 KEARNS BLVD
PARK CITY, UT 84060

SEAL

LICENSED PROFESSIONAL ENGINEER
DAVID P. WHITTON
No.264397
STATE OF UTAH
2025/05/12

MHTN PROJECT NO. 2017559

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REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION

ISSUE
BID SET #1
MAY 12, 2025

SHEET NAME
ELECTRICAL SITE PLAN - TREASURE FIELDS

SHEET NUMBER
ES101

RETURN TO SHEET INDEX

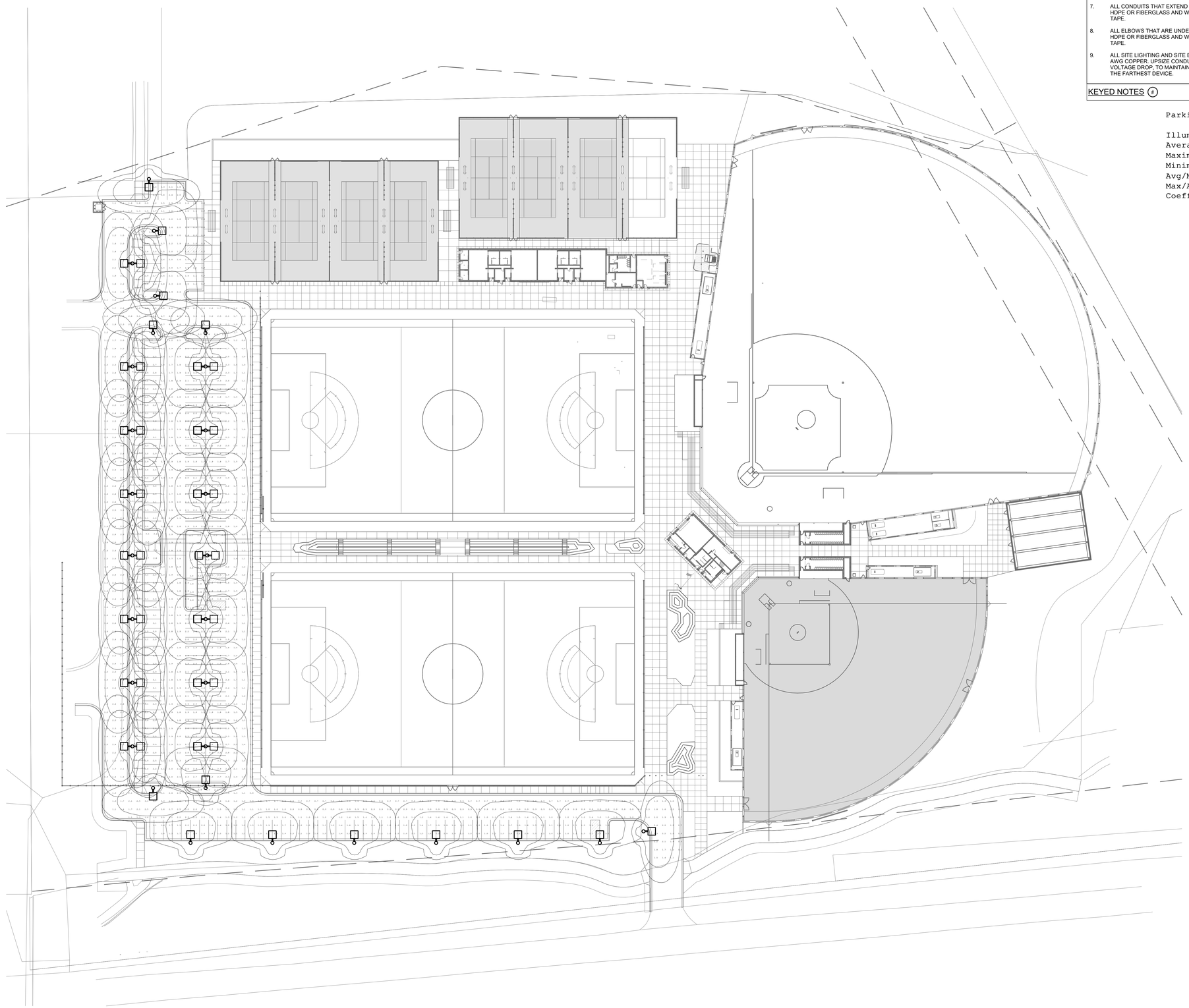
SITE GENERAL NOTES:

1. PROVIDE ALL REQUIRED BACKFILLING, ETC. FOR ALL CONDUITS, PROVIDE REQUIRED BACKFILL MATERIAL AS DIRECTED BY EACH UTILITY.
2. COORDINATE ALL LOCATIONS AND ROUTING WORK IN THE FIELD.
3. ROUTE CONDUITS A MINIMUM OF 6" BELOW THE BUILDING FLOOR SLAB.
4. MINIMUM CONDUIT FOR SITE WORK SHALL BE 1".
5. CONDUIT ROUTING SHOWN IS SCHEMATIC AND FOR CLARIFICATION COORDINATE LOCATION WITH ALL AFFECTED TRADES.
6. PROVIDE A MINIMUM OF 12" SEPARATION BETWEEN POWER AND COMMUNICATION CONDUITS.
7. ALL CONDUITS THAT EXTEND THROUGH CONCRETE SHALL BE GRC OR HDPE OR FIBERGLASS AND WRAPPED WITH TWO (2) LAYERS OF PVC TAPE.
8. ALL ELBOWS THAT ARE UNDER THE FINISHED GRADE SHALL BE GRC OR HDPE OR FIBERGLASS AND WRAPPED WITH TWO (2) LAYERS OF PVC TAPE.
9. ALL SITE LIGHTING AND SITE BRANCH CIRCUITS TO BE MINIMUM #10 AWG COPPER. UPSIZE CONDUIT AND WIRE FURTHER AS REQUIRED FOR VOLTAGE DROP. TO MAINTAIN NO MORE THAN 5% FROM SERVICE TO THE FARTHEST DEVICE.

KEYED NOTES (#)

ParkingLot

Illuminance (Fc)
Average = 2.04
Maximum = 5.0
Minimum = 0.6
Avg/Min Ratio = 3.40
Max/Avg Ratio = 2.45
Coeff. of Variation = 0.42



1 ELECTRICAL SITE ILLUMINTION PLAN - TREASURE FIELDS

SCALE: 1" = 40'-0"

MHTN ARCHITECTS
MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
www.mhtn.com

ENVISION ENGINEERING
240 E. MORRIS AVE. SUITE 200
SALT LAKE CITY, UT 84115
P. (801) 534-1130
www.envisioneng.com
ENV:2025-041.00

PARK CITY SCHOOL DISTRICT

TREASURE MOUNTAIN SPORTS COMPLEX

1750 KEARNS BLVD
PARK CITY, UT 84060

SEAL

REGISTERED PROFESSIONAL ENGINEER
DAVID P. WHITTON
No.264397
STATE OF UTAH

2025/05/12

MHTN PROJECT NO. 2017559

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REVISIONS
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NO	DATE	DESCRIPTION

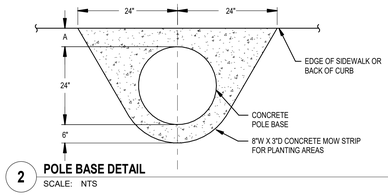
ISSUE
BID SET #1
MAY 12, 2025

SHEET NAME
SITE ILLUMINTION PLAN - TREASURE FIELDS

ES102

RETURN TO SHEET INDEX

NOTE: DESIGN SHOWN FOR CONCRETE POLE BASE IS SHOW FOR INFORMATIONAL PURPOSES ONLY TO CONVEY THE NECESSARY REQUIREMENTS. CONTRACTOR SHALL BE REQUIRED TO PROVIDE A POLE BASE DESIGN AND ASSOCIATED STRUCTURAL CALCULATIONS AND SUBMIT THEM AS A DEFERRED SUBMITTAL FOR REVIEW. THE DESIGN SHALL BE STAMPED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF UTAH, AND SHALL BE BASED UPON THE ACTUAL POLES, FIXTURES, SOIL CONDITIONS, WIND SPEED, ETC.

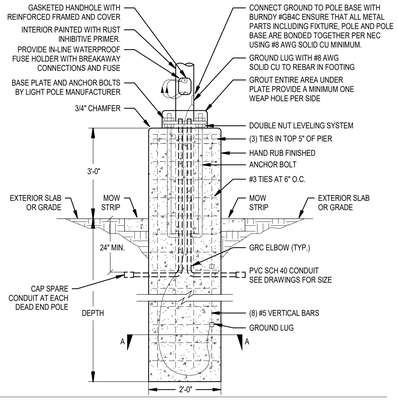


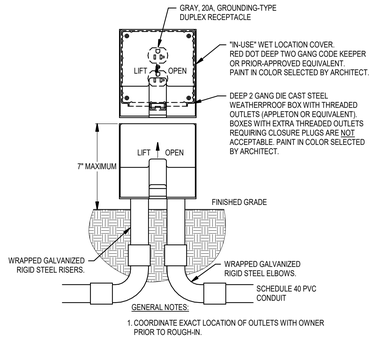
2 POLE BASE DETAIL
SCALE: NTS

SECTION A-A

POLE HEIGHT	FTG DEPTH (V ult = 115 MPH)	FTG DEPTH (V ult = 150 MPH)
8'-0"	4'-0"	4'-0"
12'-0"	4'-0"	5'-0"
20'-0"	5'-0"	6'-0"
30'-0"	6'-0"	7'-0"
40'-0"	6'-0"	8'-0"

DESIGN CRITERIA:
IBC
Ss = 2.0, SOIL SITE CLASS D
LATERAL SOIL BRG = 100 PS/FT
ASSUMED 4.0 FT? AT TOP POLE



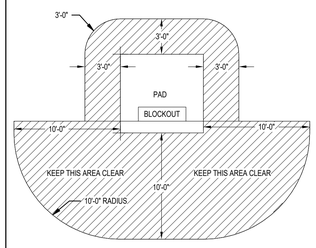


4 WATERPROOF IN-USE DUPLEX RECEPTACLE MOUNTING DETAILS
SCALE: NTS

TRANSFORMER	DIMENSIONS					
RATING	A	B	C	D	E	SI #
75-750 KVA	56"	48"	44"	42"	56"	7992600
1000-2500 KVA	84"	54"	72"	48"	62"	7992958

TRANSFORMER PADVAULT DIMENSION CHART (2.4-25 KV)

COORDINATE ALL REQUIREMENTS WITH RMP. REFER TO RMP PUBLICATION ZG-521 FOR ADDITIONAL INFORMATION.

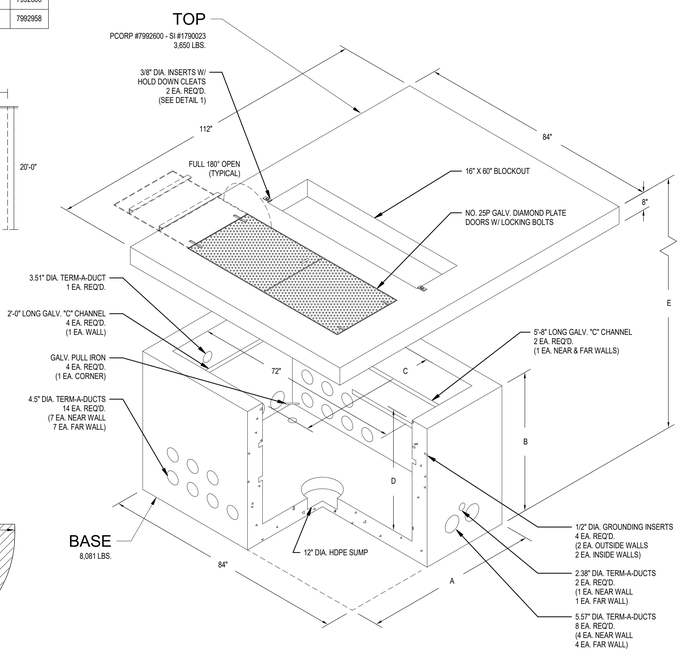


NOTE: TRANSFORMER PAD CLEARANCES

- TRANSFORMERS IN EQUIPMENT YARDS MUST MEET ADDITIONAL REQUIREMENTS.
- SEE RMP ESR WHITEPAPER FOR ADDITIONAL INFORMATION.

NOTES:

1. COORDINATE ALL REQUIREMENTS WITH ROCKY MOUNTAIN POWER PRIOR TO INSTALLATION. REFER TO ROCKY MOUNTAIN POWER DOCUMENTS GV 001 AND ZG 301 FOR GENERAL INFORMATION REGARDING EQUIPMENT BASES AND INSTALLATION REQUIREMENTS.
2. REBAR REFER TO ROCKY MOUNTAIN POWER MATERIAL SPECIFICATION ZG 531 FOR ADDITIONAL INFORMATION ON PRE-CAST PAD VAULTS.



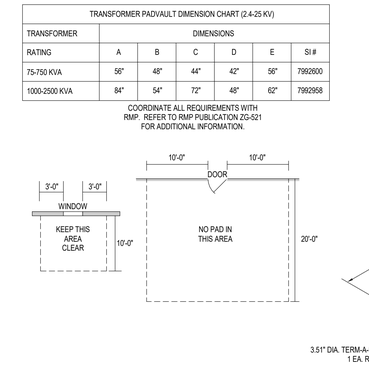
1 ROCKY MOUNTAIN POWER TRANSFORMER PAD VAULT
SCALE: NTS

TRENCHING GENERAL NOTES:

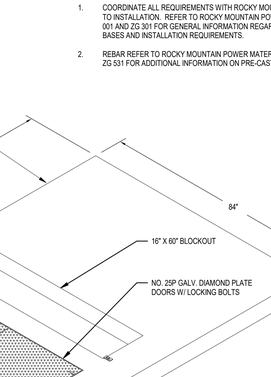
1. PROVIDE PULL 1/4" NYLON ROPES IN ALL CONDUITS.
2. IN JOINT USE TRENCHES, HORIZONTAL AND VERTICAL SEPARATION BETWEEN CONDUIT SHALL BE MAINTAINED BY INSTALLING HIGH IMPACT SPACERS WITH HORIZONTAL INTERVALS OF EIGHT FEET.
3. ALL MARKER TAPE SHALL CONTAIN #10 TRACER WIRE.
4. VERIFY ALL REQUIREMENTS WITH NV ENERGY PRIOR TO TRENCHING.

TRENCHING KEYED NOTES:

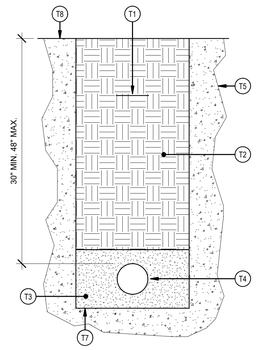
1. MARKER TAPE WITH TRACER WIRE LABELED, "CAUTION BURIED ELECTRIC CONDUITS BELOW" DIRECTLY OVER POWER CONDUITS 6" MINIMUM BELOW GRADE.
2. CLEAN BACKFILL CONTAINING NO ROCKS LARGER THAN 4" DIA.
3. BACKFILL MATERIAL WITHIN 4" TO 6" OF CONDUIT SHALL PASS THROUGH A 3/4" SLEVE FRAME OR SAND WITHOUT ANY SHARP OR FOREIGN OBJECTS.
4. ALL CONDUITS SHOWN SHALL BE SCHEDULE 40 PVC; SEE ES101 AND ONE-LINE DIAGRAMS FOR SIZES.
5. UNDISTURBED EARTH.
6. MARKER TAPE WITH TRACER WIRE LABELED, "CAUTION BURIED DATA/COMMUNICATION CONDUIT BELOW" DIRECTLY OVER DATA/COMMUNICATION CONDUITS.
7. TRENCHES SHALL BE A UNIFORM DEPTH FOR ENTIRE LENGTH OF TRENCH SO CONDUITS CAN SIT FLAT (HORIZONTAL) WITH THE GROUND.
8. FINISHED GRADE.



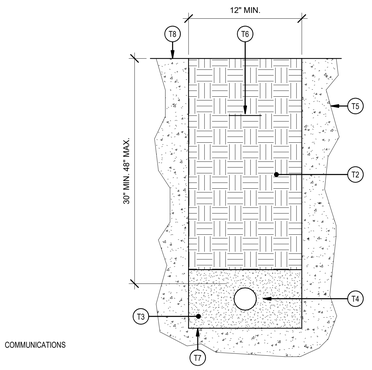
SITE LIGHTING AND POWER BRANCH CIRCUITS



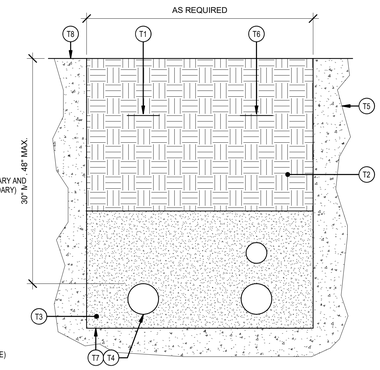
UTILITY (SECONDARY POWER)



UTILITY POWER (PRIMARY POWER)



COMMUNICATIONS



RMP (PRIMARY AND SECONDARY)
UTILITY (JOINT USE)

3 TRENCHING DETAILS
SCALE: NTS

MHTN ARCHITECTS
MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
www.mhtn.com

ENVISION ENGINEERING
240 E. MORRIS AVE. SUITE 200
SALT LAKE CITY, UT 84115
P. (801) 534-1130
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TREASURE MOUNTAIN SPORTS COMPLEX

1750 KEARNS BLVD
PARK CITY, UT 84060

SEAL

REGISTERED PROFESSIONAL ENGINEER
DAVID P. WHITTON
No.264397
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NO	DATE	DESCRIPTION

ISSUE
BID SET #1
MAY 12, 2025

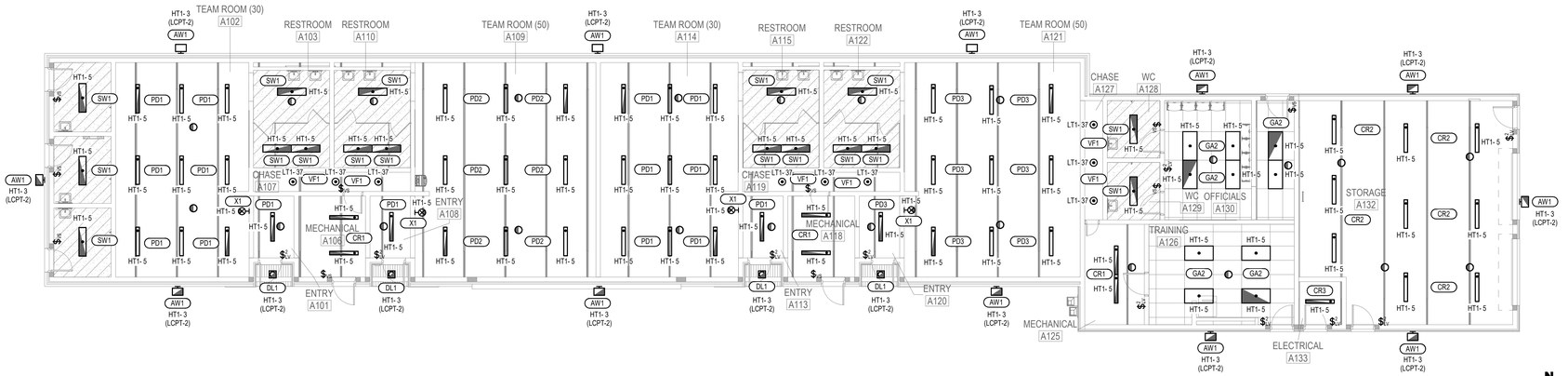
SHEET NAME
ELECTRICAL SITE PLAN DETAILS

SHEET NUMBER
ES501

RETURN TO SHEET INDEX

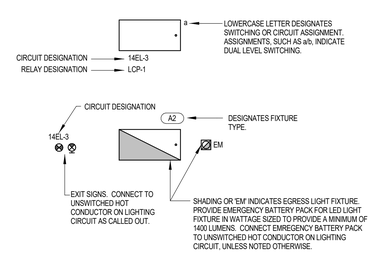
LIGHTING GENERAL NOTES:

1. REFER TO LIGHTING DETAILS SHEETS FOR TYPICAL CONTROL WIRING DIAGRAMS. PROVIDE COMPLETE SYSTEM WITH ALL REQUIRED CONDUIT, WIRING, SWITCHES, SENSORS, POWER PACK, ETC.
2. LOCATE POWER PACKS AND ROOM CONTROLLERS ABOVE ACCESSIBLE CEILING NEAR ROOM ENTRANCES.
3. CONFIRM ALL LOCATIONS OF LIGHT FIXTURES WITH ARCHITECT PRIOR TO INSTALLATION.
4. PROVIDE UNSWITCHED HOT FOR ALL EMERGENCY LIGHTS AND BATTERY PACKS.
5. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE UPSIZED FOR VOLTAGE DROP WHETHER SHOWN OR NOT. VOLTAGE DROP FROM A PANELBOARD TO ANY ELECTRICAL DEVICE SHALL BE MAXIMUM 3%.
6. SEE POWER PLAN FOR ADDITIONAL LIGHTING CONTROL REQUIREMENTS.



1 LIGHTING PLAN - TREASURE SUPPORT

SCALE: 1/8" = 1'-0"



TYPICAL LIGHT FIXTURE CONVENTION

SCALE: NONE

MHTN ARCHITECTS
MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
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TREASURE MOUNTAIN SPORTS COMPLEX

1750 KEARNS BLVD
PARK CITY, UT 84060

SEAL

2025/05/12

MHTN PROJECT NO. 2017559

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION

ISSUE
BID SET #1
MAY 12, 2025

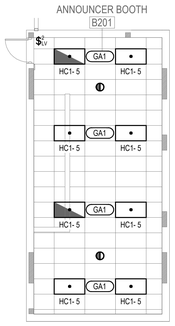
SHEET NAME
LIGHTING PLANS - TREASURE SUPPORT

SHEET NUMBER
EL101A

RETURN TO SHEET INDEX

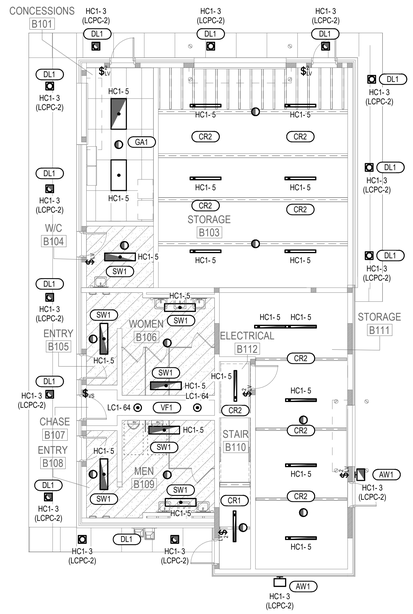
LIGHTING GENERAL NOTES:

1. REFER TO LIGHTING DETAILS SHEETS FOR TYPICAL CONTROL WIRING DIAGRAMS. PROVIDE COMPLETE SYSTEM WITH ALL REQUIRED CONDUIT, WIRING, SWITCHES, SENSORS, POWER PACK, ETC.
2. LOCATE POWER PACKS AND ROOM CONTROLLERS ABOVE ACCESSIBLE CEILING NEAR ROOM ENTRANCES.
3. CONFIRM ALL LOCATIONS OF LIGHT FIXTURES WITH ARCHITECT PRIOR TO INSTALLATION.
4. PROVIDE UNSWITCHED HOT FOR ALL EMERGENCY LIGHTS AND BATTERY PACKS.
5. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE UPSIZED FOR VOLTAGE DROP WHETHER SHOWN OR NOT. VOLTAGE DROP FROM A PANELBOARD TO ANY ELECTRICAL DEVICE SHALL BE MAXIMUM 3%.
6. SEE POWER PLAN FOR ADDITIONAL LIGHTING CONTROL REQUIREMENTS.



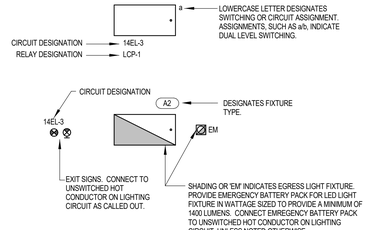
2 LIGHTING PLANS - SECOND FLOOR, PRESS BOX

SCALE: 1/8" = 1'-0"



1 LIGHTING PLANS - PRESS BOX

SCALE: 1/8" = 1'-0"



TYPICAL LIGHT FIXTURE CONVENTION

SCALE: NONE

MHTN ARCHITECTS
MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
www.mhtn.com

ENVISION ENGINEERING
240 E. MORRIS AVE. SUITE 200
SALT LAKE CITY, UT 84115
P. (801) 534-1130
www.envisioneng.com
ENV:2025-041.00

PARK CITY SCHOOL DISTRICT

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ISSUE
BID SET #1
MAY 12, 2025

SHEET NAME
LIGHTING PLANS - PRESS BOX

SHEET NUMBER
EL101B

RETURN TO SHEET INDEX

LIGHTING GENERAL NOTES:

1. REFER TO LIGHTING DETAILS SHEETS FOR TYPICAL CONTROL WIRING DIAGRAMS. PROVIDE COMPLETE SYSTEM WITH ALL REQUIRED CONDUIT, WIRING, SWITCHES, SENSORS, POWER PACK, ETC.
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3. CONFIRM ALL LOCATIONS OF LIGHT FIXTURES WITH ARCHITECT PRIOR TO INSTALLATION.
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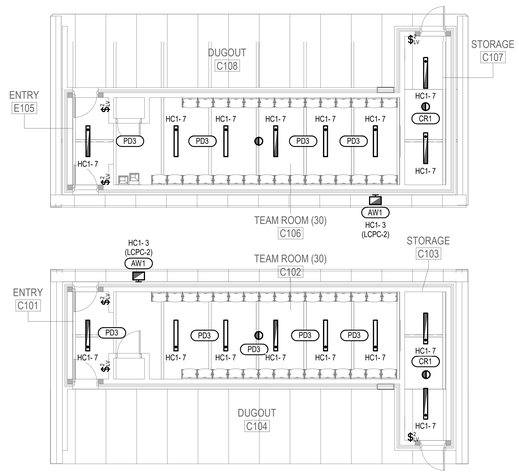
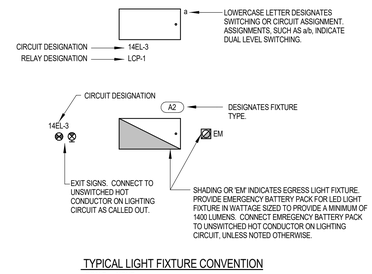


1 LIGHTING PLAN - TEAMROOM / DUGOUT

SCALE: 1/8" = 1'-0"



TYPICAL LIGHT FIXTURE CONVENTION

SCALE: NONE

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SALT LAKE CITY, UT 84115
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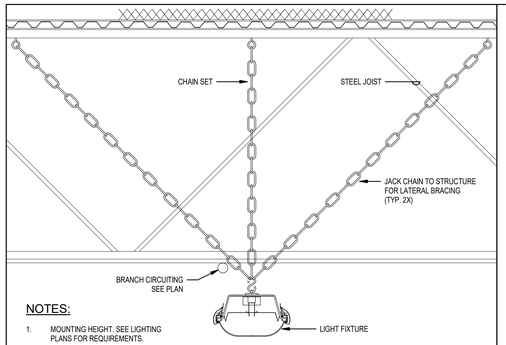
MAY 12, 2025

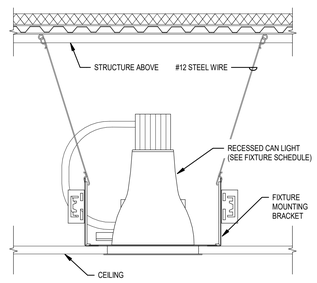
SHEET NAME
LIGHTING PLANS - TEAMROOM / DUGOUT

SHEET NUMBER
EL101C

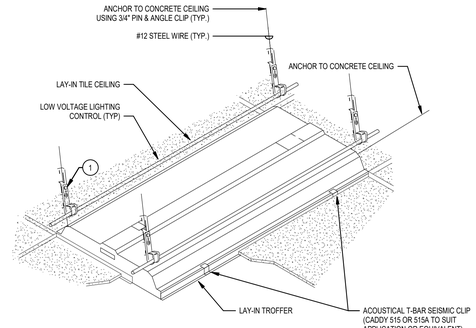
RETURN TO SHEET INDEX



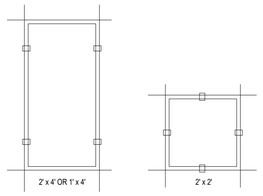
3 TYPICAL CHAIN HUNG LIGHT FIXTURE MOUNTING DETAIL
SCALE: NTS



2 TYPICAL RECESSED CAN GYPSUM CEILING MOUNTING DETAIL
SCALE: NTS

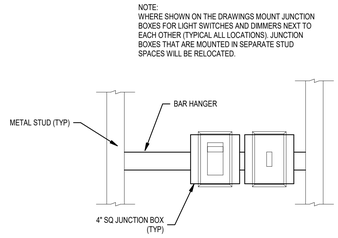


1 PROVIDE J-HOOKS WITH ROD/WIRE CLIP (CADDY 124ZM OR APPROVED EQUIVALENT) IN QUANTITIES AS MAY BE REQUIRED FOR ROUTING OF LOW VOLTAGE LIGHTING CONTROL CABLES. INSTALL SUPPORTS AND CLIPS 12" ABOVE RECESSED LAY-IN LIGHT FIXTURES. SECURE CABLES AT A SPACING OF NOT MORE THAN 60" ON CENTERS. SUPPLEMENT WITH J-HOOKS SUSPENDED CABLES AT A SPACING OF NOT MORE THAN 60" ON CENTERS. SUPPLEMENT WITH J-HOOKS SUSPENDED BY ALL-THREAD AS MAY BE REQUIRED TO MEET SPACING CRITERIA. INSTALLATION SHALL MEET ALL APPLICABLE REQUIREMENTS OF THE NEC 300.11. ALL CABLES SHALL BE ROUTED IN A NEAT WORKMANLIKE MANNER PARALLEL AND PERPENDICULAR TO CEILING GRIDS.

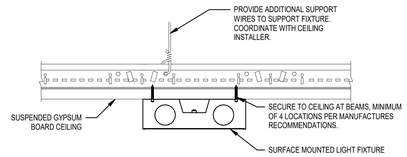


SUPPORT CLIP ARRANGEMENT DIAGRAMS

1 TYPICAL LAY-IN GRID LIGHT FIXTURE MOUNTING DETAIL
SCALE: NTS



5 TYPICAL JUNCTION BOX MOUNTING DETAIL
SCALE: NTS



4 SURFACE MOUNTED LIGHT FIXTURE DETAIL
SCALE: NTS

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MAY 12, 2025

SHEET NAME
LIGHTING DETAILS

SHEET NUMBER
EL501

RETURN TO SHEET INDEX

LIGHT FIXTURE GENERAL NOTES

1. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF LIGHT FIXTURES. BRING ALL DISCREPANCIES OF LOCATIONS AND QUANTITIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING.
2. CONFIRM MOUNTING HEIGHTS AND LOCATIONS OF ALL LIGHT FIXTURES WITH ARCHITECTURAL ELEVATIONS AND / OR ARCHITECT.
3. REFER TO THE SPECIFICATIONS FOR OTHER LIGHT FIXTURE REQUIREMENTS.
4. CONFIRM AVAILABLE MOUNTING DEPTHS OF ALL LIGHT FIXTURES AND COMPARE WITH DEPTHS SHOWN ON SHOP DRAWINGS. BRING ALL POTENTIAL CONFLICT AREAS TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO RELEASE.
5. ALL LIGHT FIXTURES ARE TO BE 3500K FOR INTERIOR APPLICATIONS AND 4000K FOR EXTERIOR APPLICATIONS, UNLESS OTHERWISE NOTED IN THE FIXTURE DESCRIPTION.
6. ALL LIGHT FIXTURES ARE TO BE A MINIMUM OF 80 CRI UNLESS OTHERWISE NOTED IN THE FIXTURE DESCRIPTION.
7. ALL LED SOURCES MUST MEET L80 AT 50,000 HRS MINIMUM UNLESS OTHERWISE NOTED.
8. CONFIRM ALL MOUNTING REQUIREMENTS WITH ARCHITECT PRIOR TO RELEASE.
9. ALL LIGHT FIXTURES ARE TO HAVE AN EFFICACY OF 80 LUMENS PER WATT MINIMUM.

BIDDING REQUIREMENTS

1. BID ONLY PRODUCTS THAT ARE SPECIFIED OR APPROVED BY ADDENDUM.
2. PACKAGING OF LIGHT FIXTURES WITH OTHER SYSTEMS IS NOT ALLOWED AND MUST BE BID SEPARATELY. I.E. LIGHT FIXTURES, THEATRICAL LIGHTING, SPORTS LIGHTING AND ALL LIGHTING CONTROLS.
3. WHEN ONLY ONE PRODUCT IS APPROVED FOR BIDDING, THE PRICE FOR THAT ITEM SHALL BE BROKEN OUT SEPARATELY WHEN SUBMITTING PRICING TO VARIOUS DISTRIBUTORS AND / OR CONTRACTOR.
4. WHEN A CONTRADICTION EXISTS BETWEEN A SPECIFIC MODEL NUMBER AND THE DESCRIPTION, THE DESCRIPTION SHALL GOVERN.

LIGHT FIXTURE PRIOR APPROVAL REQUIREMENTS

1. PRIOR APPROVAL IS REQUIRED BEFORE BIDDING THIS PROJECT.
2. PRIOR APPROVALS SHALL BE SUBMITTED TO THE ELECTRICAL ENGINEER'S OFFICE AT LEAST (8) WORKING DAYS BEFORE BID TIME. PRIOR APPROVALS RECEIVED AFTER THIS TIME PERIOD SHALL BE REJECTED.
3. ITEMS THAT ARE SUBMITTED AND HAVE BEEN APPROVED WILL BE LISTED IN THE ADDENDUM(S). VERBAL APPROVALS WILL NOT BE GIVEN ON ANY ITEM.
4. IT IS NOT THE RESPONSIBILITY OF THE ELECTRICAL ENGINEER TO NOTIFY THE SUBMITTING PARTY OF ERRORS IN THE SUBMITTAL. NOTIFICATION OF ERRORS BY THE ELECTRICAL ENGINEER PRIOR TO ISSUANCE OF THE ADDENDUM(S) MAY NOT BE GIVEN.
5. PRIOR APPROVALS SHALL CONSIST OF CUT SHEETS DESCRIBING THE PRODUCTS BEING SUBMITTED AS EQUIVALENTS. ALL SPECIFICATION INFORMATION SHALL BE CLEARLY MARKED. PRODUCTS WITHOUT PHOTOMETRIC DATA WILL NOT BE APPROVED.
6. LIGHTING PACKAGES WILL BE REVIEWED FOR GENERAL PROJECT COMPLIANCE ONLY. AN IN-DEPTH REVIEW OF ANY ALTERNATE FIXTURES WILL BE DONE DURING THE SUBMITTAL REVIEW PROCESS. ANY FIXTURES THAT ARE NOT TRULY EQUAL, AND / OR DO NOT COMPLY WITH ALL OF THE REQUIREMENTS CONTAINED IN THE CONTRACT DOCUMENTS, WILL NOT BE APPROVED. IF EQUIMENT IS DISAPPROVED FOR BIDDING, CONTRACTOR SHALL SUPPLY SPECIFIED EQUIPMENT AT NO EXTRA COST TO THE OWNER.

LCPC

RELAY	ELECTRICAL INFO		LOCATION	CONTROL	PROGRAMMING	DIMMING
	PANEL	CKT				
LCPC-1	HC1	1	PARKING LIGHTING - SOUTH	PHOTOCELL	B	50%
LCPC-2	HC1	3	OUTDOOR PRESS BOX LIGHTING	PHOTOCELL	A	NONE
LCPC-3			SPARE			
LCPC-4			SPARE			

PROGRAMMING	LOAD DESCRIPTION	PROGRAM REQUIREMENTS
A	EXTERIOR BUILDING LIGHTS	DUSK ON - 11:00 PM OFF / 6:00 AM ON - DAWN OFF
B	PARKING LOT LIGHTS	DUSK ON - 9:00 PM DIM TO 50% / 11:00 PM OFF, 6:00 AM ON - DAWN OFF
C		
D		
E		
F		
G		
H		

GENERAL NOTES:
1. PROGRAM SYSTEM TO MEET REQUIREMENTS OF IBC & IECC.
2. CONFIRM SWITCHING SCHEME WITH OWNER PRIOR TO PROGRAMMING SYSTEM.
3. INCLUDE A FINE TUNING VISIT WITHIN 3 MONTHS OF BUILDING OCCUPANCY AT OWNER'S REQUEST TO MAKE MINOR ADJUSTMENTS.
4. PROVIDE METAL STRIP BARRIER TO DIVIDE THE EMERGENCY LIGHTING FROM NORMAL LIGHTING.

LCPT

RELAY	ELECTRICAL INFO		LOCATION	CONTROL	PROGRAMMING	DIMMING
	PANEL	CKT				
LCPT-1	HT1	1	PARKING LIGHTING - NORTH	PHOTOCELL	B	50%
LCPT-2	HT1	3	OUTSIDE TREASURE SUPPORT LIGHTING	PHOTOCELL	A	NONE
LCPT-3			SPARE			
LCPT-4			SPARE			

PROGRAMMING	LOAD DESCRIPTION	PROGRAM REQUIREMENTS
A	EXTERIOR BUILDING LIGHTS	DUSK ON - 11:00 PM OFF / 6:00 AM ON - DAWN OFF
B	PARKING LOT LIGHTS	DUSK ON - 9:00 PM DIM TO 50% / 11:00 PM OFF, 6:00 AM ON - DAWN OFF
C		
D		
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H		

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LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	LIGHT SOURCE	ELECTRICAL		APPROVED MANUFACTURERS	CATALOG NUMBER	COMMENTS/NOTES
			VOLTAGE	LOAD			
A12	SINGLE HEAD PARKING LOT POLE LIGHT 1 HEAD POLE MOUNTED ALUMINUM FIXTURE 16' TALL STEEL POLE STANDARD COLOR BY ARCHITECT MOTION SENSOR DISTRIBUTION TYPE: T2M	LAMP TYPE: LED LUMENS: 5,862 DIMMING: 0-10V COLOR TEMP: 3000K	277 V	45	LITHONIA MCGRAW-EDISION GARDCO	DSX0LED-P2-30K-80CRI-T2M-MVOLT-PIR-DMG-SSS-16-4C-DM19AS-SCBA GALN-SA1B-730-U-T2-SCBA-DIM-DM10-SSP16-4-11-F-DM10-BC(MCGR,KW) OPF-S-PO3-830-T2M-AR1-UNV-HB-STANDARD FINISH-SSS-CB-4-11-16	
A14	SINGLE HEAD PARKING LOT POLE LIGHT 1 HEAD POLE MOUNTED ALUMINUM FIXTURE 16' TALL STEEL POLE STANDARD COLOR BY ARCHITECT MOTION SENSOR DISTRIBUTION TYPE: T4M	LAMP TYPE: LED LUMENS: 6,018 DIMMING: 0-10V COLOR TEMP: 3000K	277 V	45	LITHONIA MCGRAW-EDISION GARDCO	DSX0LED-P2-30K-80CRI-T4M-MVOLT-PIR-DMG-SSS-16-4C-DM19AS-SCBA GALN-SA1B-730-U-T4W-SCBA-DIM-DM10--SSP16-4-11-F-DM10-BC(MCGR,KW) OPF-S-P03-830-T4M-AR1-UNV-HB-STANDARD FINISH-SSS-CB-4-11-16	
A15	SINGLE HEAD PARKING LOT POLE LIGHT 1 HEAD POLE MOUNTED ALUMINUM FIXTURE 16' TALL STEEL POLE STANDARD COLOR BY ARCHITECT MOTION SENSOR DISTRIBUTION TYPE: T5M	LAMP TYPE: LED LUMENS: 6.192 DIMMING: 0-10V COLOR TEMP: 3000K	277 V	45	LITHONIA MCGRAW-EDISION GARDCO	DSX0LED-P2-30K-80CRI-T5M-MVOLT-PIR-DMG-SSS-16-4C-DM19AS-SCBA GALN-SA1B-730-U-5WQ-SCBA-DIM-DM10-SSP15-4-11-F-DM10-BC(MCGR,KW) OPF-S-P03-830-T5M-AR1-UNV-HB-STANDARD FINISH-SSS-CB-4-11-16	
A22	DOUBLE HEAD PARKING LOT POLE LIGHT 2 HEADS POLE MOUNTED ALUMINUM FIXTURE 16' TALL STEEL POLE STANDARD COLOR BY ARCHITECT MOTION SENSOR DISTRIBUTION TYPE: T2M	LAMP TYPE: LED LUMENS: 5,862 DIMMING: 0-10V COLOR TEMP: 3000K	277 V	90	LITHONIA MCGRAW-EDISION GARDCO	(2)-DSX0LED-P2-30K-80CRI-T2M-MVOLT-PIR-DMG-(1)-SSS-16-4C-DM19AS-SCBA (2)-GALN-SA1B-730-U-T2-SCBA-DIM-DIM2180-(1)-SSP16-4-11-F-DIM2180-BC(MCGR,KW) (2)-OPF-S-P03-830-T2M-AR1-UNV-HB-STANDARD FINISH-(1)-SSS-CB-4-11-16	
A24	DOUBLE HEAD PARKING LOT POLE LIGHT 2 HEADS POLE MOUNTED ALUMINUM FIXTURE 16' TALL STEEL POLE STANDARD COLOR BY ARCHITECT MOTION SENSOR DISTRIBUTION TYPE: T4M	LAMP TYPE: LED LUMENS: 6,018 DIMMING: 0-10V COLOR TEMP: 3000K	277 V	90	LITHONIA MCGRAW-EDISION GARDCO	(2)-DSX0LED-P2-30K-80CRI-T4M-MVOLT-PIR-DMG-(1)-SSS-16-4C-DM19AS-SCBA (2)-GALN-SA1B-730-U-T4W-SCBA-DIM-DM10-(1)-SSP16-4-11-F-DM10-BC(MCGR,KW) (2)-OPF-S-P03-830-T4M-AR1-UNV-HB-STANDARD FINISH-(1)-SSS-CB-4-11-16	
AW1	EXTERIOR WALL PACK MOUNTING: WALL ALUMINUM STANDARD COLOR BY ARCHITECT MOTION SENSOR WET LOCATION	LAMP TYPE: LED LUMENS: 1,200 DIMMING: 0-10V COLOR TEMP: 3000K	277 V	7	LITHONIA PERFORMANCE IN LIGHTING GARDCO	WDGE2LED-P1-30K-80CRI-VW-MVOLT-SRM-DMG-NLTAIR2PIR SH1-10-80-3K-UNV-0-10V-OCC GWS-A01-830-T3M-UNV-STANDARD FINISH	PROVIDE COLD WEATHER RATED BATTERY PACK (-20 DEGREE C) FOR ALL EXTERIOR EM LIGHTS CONFIRM EXACT MOUNTING HEIGHT WITH THE ARCHITECT PRIOR TO ANY ROUGH-IN
CR1	SUSPENDED LINEAR MOUNTING: 3.5' SUSPENDED CABLE COLD ROLLED STEEL STANDARD COLOR BY ARCHITECT ROUND DIFFUSED LENSE	LAMP TYPE: LED LUMENS 3000 DIMMING: 0-10V COLOR TEMP: 4000K	277 V	19	LITHONIA METALUX DAY-BRITE	CLX-L48-3000LM-HEF-RDL-MVOLT-GZ10-40K-90CRI-ZACFP120 4SNX-31SL-LW-UNV-L940-CD1-UY-TOGGLE-10-2PK FSS-4-30L-840-UNV-DIM-DACHxx	
CR2	SUSPENDED LINEAR MOUNTING: 3.5' SUSPENDED CABLE COLD ROLLED STEEL STANDARD COLOR BY ARCHITECT ROUND DIFFUSED LENSE	LAMP TYPE: LED LUMENS 4000 DIMMING: 0-10V COLOR TEMP: 4000K	277 V	42	LITHONIA METALUX DAY-BRITE	CLX-L48-4000LM-HEF-RDL-MVOLT-GZ10-40K-90CRI-ZACFP120 4SNX-41SL-LW-UNV-L940-CD1-UY-TOGGLE-10-2PK FSS-4-40L-840-UNV-DIM-DACHxx	
CR3	SUSPENDED LINEAR MOUNTING: 3.5' SUSPENDED CABLE COLD ROLLED STEEL STANDARD COLOR BY ARCHITECT ROUND DIFFUSED LENSE	LAMP TYPE: LED LUMENS:5000 DIMMING: 0-10V COLOR TEMP: 4000K	277 V	42	LITHONIA METALUX DAY-BRITE	CLX-L48-5000LM-HEF-RDL-MVOLT-GZ10-40K-90CRI-ZACFP120 4SNX-51SL-LW-UNV-L940-CD1-UY-TOGGLE-10-2PK FSS450L840-UNV-DIM-DACHxx	
DL1	6" APERATURE RECESSED DOWNLIGHT MOUNTING: RECESSED GALVANIZED STEEL STANDARD COLOR BY ARCHITECT	LAMP TYPE: LED LUMENS: 500 DIMMING: 0-10V COLOR TEMP: 3000K	277 V	6	LITHONIA HALO LIGHTOLIER	LDN6-30/05-LO6-MVOLT HC605D010-HM60525830-61MDH M6RDL05F930WCDZ10U6RNSR	PROVIDE EMERGENCY BATTERY INTEGRATED WITH THE FIXTURE
GA1	2'X4' FLAT PANEL RECESSED ALUMINUM STANDARD COLOR BY ARCHITECT	LAMP TYPE: LED LUMENS: 4000 DIMMING: 0-10V COLOR TEMP: 4000K	277 V	37	LITHONIA METALUX DAY-BRITE	CPX-2X4-4000LM-80CRI-40K-SWL-MIN1-MVOLT 24CGTX-40-L840 2FPZ40L840-4-DS-UNV-DIM	PROVIDE EMERGENCY BATTERY INTEGRATED WITH THE FIXTURE
GA2	2'X4' FLAT PANEL RECESSED ALUMINUM STANDARD COLOR BY ARCHITECT	LAMP TYPE: LED LUMENS: 3000 DIMMING: 0-10V COLOR TEMP: 4000K	277 V	25	LITHONIA METALUX DAY-BRITE	CPX-2X4-3000LM-80CRI-40K-SWL-MIN1-MVOLT 24CGTX-30-L840 2FPZ30L840-4-DS-UNV-DIM	PROVIDE EMERGENCY BATTERY INTEGRATED WITH THE FIXTURE
PD1	4' SUSPENDED LINEAR MOUNTING: SUSPENDED ALUMINUM STANDARD COLOR BY ARCHITECT VANDAL RESISTANT	LAMP TYPE: LED LUMENS: 2800 DIMMING: 0-10V COLOR TEMP: 4000K	277 V	31	PACO NULITE AXIS	LGL-4F-P-28-9-40-MV-L5-D1 RXT-P-D-FF-07-H-40-UNV-D-1-1-SR-36-4 EX2PD-700-90-CTRGBW40-SO-4-UNV-CT-SASL(3')	PROVIDE EMERGENCY BATTERY INTEGRATED WITH THE FIXTURE
PD2	4' SUSPENDED LINEAR MOUNTING: SUSPENDED ALUMINUM STANDARD COLOR BY ARCHITECT VANDAL RESISTANT	LAMP TYPE: LED LUMENS: 4000 DIMMING: 0-10V COLOR TEMP: 4000K	277 V	40	PACO NULITE AXIS	LGL-4F-P-40-9-40-MV-L5-D1 RXT-P-D-FF-10-H-40-UNV-D-1-1-SR-36-4 EX2PD-700-1000-CTRGBW40-SO-4-UNV-CT-SASL(3')	PROVIDE EMERGENCY BATTERY INTEGRATED WITH THE FIXTURE
PD3	4' SUSPENDED LINEAR MOUNTING: SUSPENDED ALUMINUM STANDARD COLOR BY ARCHITECT VANDAL RESISTANT	LAMP TYPE: LED LUMENS: 3600 DIMMING: 0-10V COLOR TEMP: 4000K	277 V	40	PACO NULITE AXIS	LGL-4F-P-36-9-40-MV-L5-D1 RXT-P-D-FF-09-H-40-UNV-D-1-1-SR-36-4 EX2PD-900-90-CTRGBW40-SO-4-UNV-CT-SASL(3')	PROVIDE EMERGENCY BATTERY INTEGRATED WITH THE FIXTURE
SL1	SPORTS LIGHTING POLES, HEADS AND POLE BASES ARE FURNISHED BY THE OWNER AND INSTALLED, WIRED, AND CONNECTED BY THE CONTRACTOR. PROVIDE BRANCH CIRCUIT AND ALL CONNECTIONS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.		480 V	8314	MUSCO		COORDINATE INSTALLATION WITH SPORTS LIGHTING SYSTEM SUPPLIER. SEE SPORTS LIGHTING SHOP DRAWINGS.
SL2	SPORTS LIGHTING POLES, HEADS AND POLE BASES ARE FURNISHED BY THE OWNER AND INSTALLED, WIRED, AND CONNECTED BY THE CONTRACTOR. PROVIDE BRANCH CIRCUIT AND ALL CONNECTIONS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.		480 V	9977	MUSCO		COORDINATE INSTALLATION WITH SPORTS LIGHTING SYSTEM SUPPLIER. SEE SPORTS LIGHTING SHOP DRAWINGS.
SL3	SPORTS LIGHTING POLES, HEADS AND POLE BASES ARE FURNISHED BY THE OWNER AND INSTALLED, WIRED, AND CONNECTED BY THE CONTRACTOR. PROVIDE BRANCH CIRCUIT AND ALL CONNECTIONS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.		480 V	13302	MUSCO		COORDINATE INSTALLATION WITH SPORTS LIGHTING SYSTEM SUPPLIER. SEE SPORTS LIGHTING SHOP DRAWINGS.
SL4	SPORTS LIGHTING POLES, HEADS AND POLE BASES ARE FURNISHED BY THE OWNER AND INSTALLED, WIRED, AND CONNECTED BY THE CONTRACTOR. PROVIDE BRANCH CIRCUIT AND ALL CONNECTIONS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.		480 V	12471	MUSCO		COORDINATE INSTALLATION WITH SPORTS LIGHTING SYSTEM SUPPLIER. SEE SPORTS LIGHTING SHOP DRAWINGS.
SW1	1'x4' SURFACE WRAPAROUND MOUNTING: SURFACE ALUMINUM STANDARD COLOR BY ARCHITECT	LAMP TYPE: LED LUMENS: 2,507 DIMMING: 0-10V COLOR TEMP: 4000K	277 V	25	VISION KENALL NEW STAR LIGHTING	VPF12-4FT-MIN10-2500LM-40K-MVOLT-OP-SCBA MLHA12-48-F-SCBA-PP-25L40K-DCC-DV-DL V1C4N-L140-1C-RW-UN-WH	PROVIDE EMERGENCY BATTERY INTEGRATED WITH THE FIXTURE
VF1	4.5" DIAMETER JELLY JAR DOWNLIGHT MOUNTING: CEILING ALUMINUM	LAMP TYPE: LED LUMENS: 800 COLOR TEMP: 4000K	120 V	14	LITHONIA HALO STONCO	OVTLED-P1-40K-120-DNA VT0840L VCXL-14-NW-G1-8	
X1	EXIT SIGN MOUNTING: UNIVERSAL ALUMINUM STANDARD COLOR BY ARCHITECT TAMPER PROOF	LAMP TYPE: LED	277 V	2	LITHONIA SURE-LITES EXITRONIX	LV-S-1-R-120/277-UM UX71SD VEX-WP-TRH-1-LB-WH	

MHTN ARCHITECTS
MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
www.mhtn.com

ENVISION ENGINEERING
240 E. MORRIS AVE. SUITE 200
SALT LAKE CITY, UT 84115
P (801) 534-1130
www.envisioneng.com
ENV:2025-041.00

PARK CITY SCHOOL DISTRICT

PARK CITY SCHOOL DISTRICT

TREASURE MOUNTAIN SPORTS COMPLEX

1750 KEARNS BLVD
PARK CITY, UT 84060

SEAL
REGISTERED PROFESSIONAL ENGINEER
DAVID P. WHITTON
No.264397
STATE OF UTAH
2025/05/12

MHTN PROJECT NO. 2017559

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

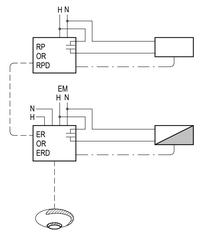
NO. △	DATE	DESCRIPTION

ISSUE
BID SET #1
MAY 12, 2025

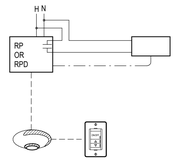
SHEET NAME
LIGHT FIXTURE SCHEDULE

SHEET NUMBER
EL601

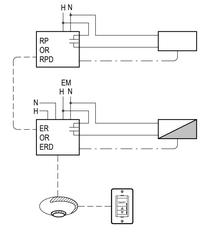
RETURN TO SHEET INDEX



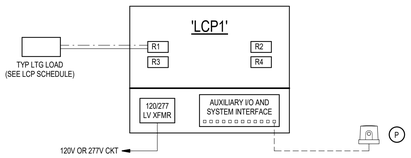
3 TYPICAL LARGE RESTROOM - LOW VOLTAGE WIRING DIAGRAM
SCALE: NTS



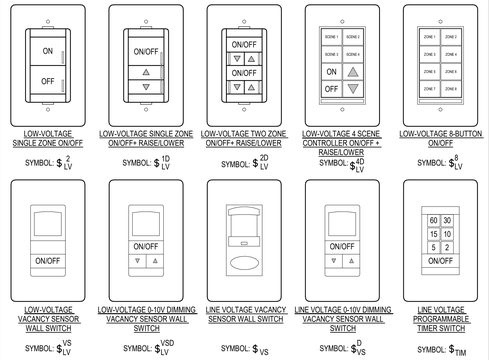
2 TYPICAL ROOM - LOW VOLTAGE WIRING DIAGRAM
SCALE: NTS



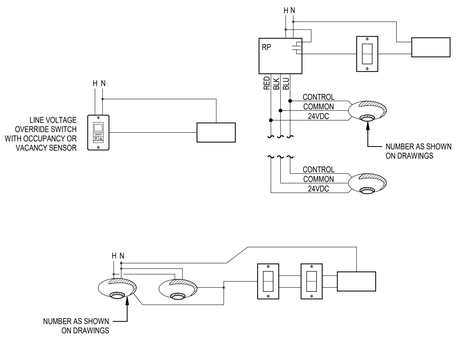
1 ROOM WITH EMERGENCY LIGHTS - LOW VOLTAGE WIRING DIAGRAM
SCALE: NTS



6 LCP RISER DIAGRAM
SCALE: NTS



5 STD LIGHTING CONTROL WALL SWITCH DETAILS
SCALE: NTS



4 TYPICAL LINE VOLTAGE WIRING DIAGRAM
SCALE: NTS

LIGHTING WIRING DIAGRAMS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	LINE VOLTAGE LIGHT SWITCH	+48"	
	LINE VOLTAGE LIGHT SWITCH	+48"	
	LOW VOLTAGE LIGHT SWITCH (REFER TO LOW VOLTAGE LIGHTING CONTROL WALL SWITCH DETAILS AND FLOOR PLANS)	+48"	
	WALL MOUNT GRAPHIC TOUCH PAD CONTROLLER	+48"	
	OCCUPANCY SENSOR	CEILING	
	DAYLIGHT SENSOR	CEILING	
a	NORMAL POWER LIGHTING LOAD	CEILING	"a" LOWER CASE LETTER SPECIFIES ZONE
a	EMERGENCY POWER LIGHTING LOAD	CEILING	"a" LOWER CASE LETTER SPECIFIES ZONE
H N XX	RP: RELAY PACK RPD: DIMMING RELAY PACK RC: RECEPTACLE LOAD CONTROLLER	ABOVE ACCESSIBLE CEILING	RELAYS MAY BE COMBINED IN ROOM CONTROLLER OR POWER PACKS.
EM H N N H EXX	ER: EMERGENCY RELAY PACK ERD: EMERGENCY DIMMING RELAY PACK	ABOVE ACCESSIBLE CEILING	RELAYS MAY BE COMBINED IN ROOM CONTROLLER OR POWER PACKS. MUST BE UL 924 RATED FOR EMERGENCY LOADS.
	3/4"C WITH LIGHTING BRACH CIRCUIT WIRING		
	3/4"C WITH 0-10V DIMMING WIRING		
	3/4"C WITH CAT 5 CABLING		

LIGHTING CONTROL NOTES

1. PROGRAMMING SHALL BE COMPLETED PRIOR TO SUBSTANTIAL COMPLETION.
2. MODIFY PROGRAMMING AND PRESET SCENES AS REQUESTED BY OWNER.
3. PROVIDE FINE TUNING PROGRAMMING MODIFICATIONS AS REQUESTED BY OWNER WITHIN 6 MONTHS AFTER BUILDING OCCUPANCY.
4. IN ADDITION TO PRESET SCENES PROVIDE INDIVIDUAL CONTROL FOR EACH ZONE.
5. ALL WIRING DIAGRAMS ARE GENERAL IN NATURE. SPECIFIC CONFIGURATION AND QUANTITIES DUE TO MANUFACTURER AVAILABILITY WILL VARY. PROVIDE ALL REQUIRED PARTS OF THE SYSTEM TO PERFORM AS INTENDED.
6. NOT ALL DEVICES SHOWN ON WIRING DIAGRAMS MIGHT BE REQUIRED. REFER TO FLOOR PLANS FOR DEVICE QUANTITY AND DEVICE TYPES.
7. PROVIDE SEPARATE RELAYS FOR DAYLIGHT ZONES SHOWN ON DRAWINGS.
8. ROOM CONTROLLERS OR POWER PACKS WITH MULTIPLE RELAYS INCLUDED MAY BE PROVIDED IN LIEU OF SEPARATE RELAYS SHOWN.
9. LIGHTING CONTROL DIAGRAMS AS SHOWN ARE FOR BASIC CONCEPT AND LAYOUT. LIGHTING CONTROLS SYSTEM SUPPLIER TO PROVIDE INSTALLATION DRAWINGS THAT REFLECT THE ACTUAL INSTALLATION REQUIREMENTS, WIRING DIAGRAMS, AND ALL REQUIRED DEVICES.

LIGHTING CONTROL SYSTEM REQUIREMENTS:

STANDALONE LOW VOLTAGE LIGHTING CONTROL SYSTEMS: PROVIDE DIGITAL STANDALONE LOW VOLTAGE LIGHTING CONTROL SYSTEMS IN THE FOLLOWING ROOMS/AREAS:

- TEAM ROOMS
- TRAINING ROOM
- OFFICALS ROOM
- ANNOUNCER BOOTH
- BUILDING EXTERIOR
- RESTROOMS
- CONCESSIONS
- EQUIPMENT STORAGE ROOMS
- STORAGE ROOMS

THE SYSTEMS SHALL INCLUDE, BUT IS NOT LIMITED TO CEILING-MOUNTED OCCUPANCY SENSORS, LIGHT LEVELS SENSORS, LOW VOLTAGE CONTROL WALL SWITCHES, RELAY PACKS/ROOM CONTROLLERS, LOW VOLTAGE CABLES, PROGRAMMING, ETC.

PROVIDE RELAY PACKS/ROOM CONTROLLERS IN TYPES AND RATINGS AS MAY BE REQUIRED FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM WHETHER SHOWN ON THE DRAWINGS OR NOT. WHERE RELAY PACKS ARE SERVING LOADS IN HIGH CEILING AREAS, LOCATE POWER PACKS IN THE ELECTRICAL ROOM WHERE LINE VOLTAGE WIRING IS ORIGINATING FROM.

OCCUPANCY SENSORS SHALL BE SET FOR "MANUAL ON - AUTO OFF" IN THE FOLLOWING SPACES:

- TEAM ROOMS
- TRAINING ROOM
- ANNOUNCER BOOTH
- CONCESSIONS
- EQUIPMENT STORAGE

OCCUPANCY SENSORS SHALL BE SET FOR "AUTO ON - AUTO OFF" IN THE FOLLOWING SPACES:

- RESTROOMS
- STORAGE ROOMS

ALL LOW VOLTAGE LIGHTING CONTROL SWITCHES SHALL HAVE EACH SCENE NAME SILKSCREENED ONTO THE FRONT OF THE SWITCH IN BLACK LETTERS. COORDINATE SCENE NAME WITH ARCHITECT/OWNER.

COORDINATE WITH OWNER/ARCHITECT ON PROGRAMMING SCENES (PER ZONING SHOWN ON DRAWINGS), TASK TUNING, ETC. EACH STANDALONE SYSTEM SHALL BE PROGRAMMED TO REVERT BACK TO ITS NORMAL "ON" POSITION ONE HOUR AFTER SELECTING A SCENE OR RAISING OR LOWERING A LIGHTING ZONE.

LINE-VOLTAGE LIGHTING CONTROL SYSTEM: PROVIDE LINE-VOLTAGE LIGHTING CONTROL SYSTEMS IN THE FOLLOWING ROOMS/AREAS:

WALL BOX OCCUPANCY SENSORS:
CUSTODIANS

SET OCCUPANCY SENSOR TO HAVE A 10 MINUTE DELAY

OCCUPANCY SENSORS: PLEASE NOTE THAT ELECTRICAL DRAWINGS INDICATE LOCATIONS OF OCCUPANCY SENSORS IN APPROXIMATE LOCATIONS AND QUANTITIES. PROVIDE OCCUPANCY SENSORS IN LOCATIONS, QUANTITIES, AND TYPES AS RECOMMENDED BY THE MANUFACTURE. PROVIDE COMPLETE PRODUCT DATA AND SHOP DRAWINGS INDICATING THE PROPOSED TYPES, COVERAGE PATTERNS, LOCATIONS, AND QUANTITIES. COORDINATE THE LOCATION OF ALL DEVICES WITH CEILING GRIDS, LIGHT FIXTURES, CEILING DIFFUSERS, SPRINKLER HEADS, ETC.

ZONING REQUIREMENTS: IT IS PERMISSIBLE FOR ZONES OF LIGHT FIXTURES TO BE CONTROLLED BY COMMON POWER PACKS IN LIEU OF INDIVIDUAL POWER PACKS FOR EACH LIGHT FIXTURE EXCEPT AS FOLLOWS:

1. EGRESS LIGHT FIXTURES IN EACH ZONE SHALL BE PROVIDED WITH A RELAY PACK/ROOM CONTROLLER UL 924 LISTED FOR EMERGENCY OPERATIONS. SEE EMERGENCY OPERATIONS BELOW.
2. EACH ROOM OR AREA SHALL BE CONSIDERED A SEPARATE ZONE, UNLESS NOTED OTHERWISE. PLEASE NOTE THAT SOME ROOMS HAVE MULTIPLE ZONES. REFER TO THE LIGHTING PLANS FOR DELINEATED LIGHTING ZONES.
3. DIFFERENT LIGHT FIXTURE TYPES IN EACH ZONE SHALL HAVE SEPARATE POWER PACKS.
4. POWER PACKS SHALL BE RATED IN AMPERAGES AND VOLTAGES AS MAY BE REQUIRED TO SUIT APPLICATION.
5. PROVIDE A MINIMUM OF AT LEAST 10% EXTRA POWER PACKS OF EACH SIZE AND TYPE UTILIZED AND ZONE AS MAY BE DIRECTED BY THE ELECTRICAL ENGINEER.

TASK TUNING:

SET THE DEFAULT (MAXIMUM) LIGHT LEVELS TO SUIT THE PARTICULAR TASK OR USE OF A WORKSPACE AS FOLLOWS:

FUNCTION / SPACE ILLUMINANCE (AVG. FOOTCANDLES)	
TEAM ROOMS	35 FC
TRAINING ROOM	35 FC
OFFICIALS	35 FC
ANNOUNCER BOOTH	35 FC
EQUIPMENT STORAGE ROOMS	30 FC
STORAGE ROOMS	10 FC
LARGE RESTROOMS:	15 FC
SMALL TOILET ROOMS:	15 FC
CONCESSIONS	50 FC

VALUES INDICATED ABOVE ARE AVERAGE FOOTCANDLE LEVELS ON THE TASK SURFACE. TAKE METER READING AT THE COMPLETION OF THE PROJECT AS MAY BE REQUIRED TO APPROPRIATELY TUNE EACH SPACE; METER TO BE FURNISHED BY LIGHTING CONTROL SUPPLIER.

LUMEN MAINTENANCE: WHERE AVAILABLE AS A STANDARD FEATURE, PROVIDE LIGHT FIXTURES WITH AN 80% LUMEN MAINTENANCE FEATURE. IF THIS FEATURE IS NOT AVAILABLE, PLEASE INDICATE THIS IS AN EXCEPTION ON THE BID FORM.

DIMMING LEADS: PROVIDE DIMMING LEADS TO ALL FIXTURES THAT HAVE THE FOLLOWING:

1. STAND ALONE LOW-VOLTAGE LIGHTING CONTROL SYSTEMS.
3. EXTERIOR LIGHTING
4. ANYWHERE TASK TUNING IS REQUIRED.

EMERGENCY OPERATION (BATTERY PACKS): PROVIDE A UL 924 LISTED 1400 LUMEN, 90 MINUTE EMERGENCY BATTERY PACK (BODINE B50, OR APPROVED EQUAL). REFER TO FLOOR PLANS, LIGHTING DETAILS, AND LIGHT FIXTURES SCHEDULE. ALL EGRESS LIGHT FIXTURES SHALL BE SWITCHED OFF WITH OTHER NORMAL-POWERED LIGHT FIXTURES DURING NORMAL OPERATION, BUT POWERED "FULL ON" DURING AN EMERGENCY OPERATION.

LOW VOLTAGE CABLES: PROVIDE CABLES IN TYPES AND SIZES IN ACCORDANCE WITH ALL MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS. **ALL CABLES SHALL BE FACTORY TERMINATED OR INSTALLED AND WARRANTED BY THE DATA SYSTEM INTEGRATOR.** CABLES SHALL BE PLENUM RATED AND SUPPORTED BY J-HOOKS ATTACHED TO LIGHT FIXTURE DROP WIRES AT 12" ABOVE RECESSED LAY-IN LIGHT FIXTURES. SECURE CABLES AT A SPACING OF NOT MORE THAN 60" ON CENTERS. PROVIDE J-HOOKS SUPPORTED FROM ALL-THREAD AS MAY BE REQUIRED TO MEET SPACING CRITERIA. INSTALLATION SHALL MEET ALL APPLICABLE REQUIREMENTS OF THE NEC 300.11. ALL CABLES SHALL BE ROUTED IN A NEAT WORKMANLIKE MANNER PARALLEL AND/OR PERPENDICULAR TO CEILING GRIDS.

FIXTURE REQUIREMENTS: LIGHTING CONTROL SYSTEM WILL NOT BE ACCEPTED IF DIGITAL OR ADDRESSABLE LIGHT FIXTURES ARE USED. ALL LIGHT FIXTURES SHALL BE CONTROLLED THROUGH POWER PACKS OR ROOM CONTROLLERS. DIRECTLY CONNECTING UTP TO FIXTURES WILL NOT BE ALLOWED.

SHOP DRAWINGS AND PRODUCT DATA:

PRODUCT DATA: PROVIDE PRODUCT DATA FOR ALL SYSTEM COMPONENTS CLEARLY DELINEATING THE DEVICES WHICH ARE TO BE PROVIDED.

SHOP DRAWINGS: PROVIDE 1/8" SCALED 30" X 42" AUTOCAD DRAWINGS SHOWING THE LIGHTING CONTROL SYSTEM DEVICES PLACED ON THE CEILING AND FLOOR PLANS. OBTAIN FLOOR AND CEILING PLANS FROM THE ARCHITECT. DRAWINGS SHALL INCLUDE COMPLETE LINE AND LOW VOLTAGE INTERCONNECTION REQUIREMENTS. PROVIDE SEPARATE LINE AND LOW VOLTAGE DRAWINGS AS MAY BE REQUIRED FOR CLARITY. LOW VOLTAGE DRAWING SHALL INCLUDE LENGTHS OF ALL CABLES. INCLUDE COMPLETE WIRING DIAGRAMS, ONE-LINE DIAGRAMS, DETAILS, ETC.

PROGRAMMING SCHEDULES: PROVIDE COMPLETE SEQUENCING AND PROGRAMMING SCHEDULES FOR ALL DEVICES, ZONES, AND SCENES.

RECORD DRAWINGS: AT THE COMPLETION OF THE PROJECT, PROVIDE UPDATED SHOP DRAWINGS INCLUDING ALL CHANGES MADE DURING CONSTRUCTION. INDICATE EXACT LOCATION BY DIMENSION OF ALL POWER PACKS AND OTHER DEVICES MOUNTED ABOVE ACCESSIBLE CEILINGS.

WARRANTY: WARRANTY ALL WORK INCLUDING PARTS AND LABOR FOR A PERIOD OF ONE YEAR.

PROGRAMMING: PROGRAMING ALL SYSTEMS AS DIRECTED BY THE ELECTRICAL ENGINEER. MEET WITH THE ELECTRICAL ENGINEER AT THEIR OFFICE PRIOR TO PREPARATION OF SHOP DRAWINGS TO DISCUSS SPECIFIC PROGRAMMING AND ZONING REQUIREMENTS. EACH NETWORKED OR STANDALONE SYSTEM SHALL BE PROGRAMMED TO REVERT BACK TO ITS NORMAL "ON" POSITION ONE HOUR AFTER SELECTING A SCENE OR RAISING OR LOWERING A LIGHTING ZONE.

COMMISSIONING: COMMISSION EACH PORTION OF THE LIGHTING CONTROL SYSTEMS AT THE COMPLETION OF THE PROJECT TO VERIFY THAT THE SYSTEM PERFORMS AS INTENDED. COORDINATE COMMISSION SERVICES WITH COMMISSIONING AGENT. ASSIST THE OWNER IN PROGRAMMING AND MAPPING THE SYSTEM FOR INTEGRATION INTO THE BACNET BUILDING MANAGEMENT SYSTEM TO THEIR SATISFACTION.

RETRO - COMMISSIONING: DURING THE ONE YEAR WARRANTY PERIOD, PROVIDE RETRO-COMMISSIONING SERVICES AT SIX MONTH AND ONE YEAR MARKS. PROVIDE AT LEAST 4 HOURS OF COMMISSIONING SERVICE FOR EACH OF THE FOUR RETRO-COMMISSIONING PERIODS. THIS WILL INCLUDE MEETING WITH THE OWNER TO RECEIVE FEEDBACK ON THE SYSTEM AND MAKING CHANGES TO THE SYSTEM INCLUDING PROGRAMMING, TASK TUNING, ETC.

TRAINING: PROVIDE EIGHT HOURS OF TRAINING FROM A FACTORY TRAINED AND CERTIFIED TECHNICIAN AT THE COMPLETION OF THE PROJECT. SCHEDULE TRAINING WITH THE OWNER.

BIDDING REQUIREMENTS (OWNER SPECIFIC MANUFACTURERS): BIDDERS SHALL BREAK OUT THE LIGHT FIXTURE PACKAGE SEPARATE FROM THE LIGHTING CONTROL SYSTEM. ALL SPECIAL FEATURES PERTAINING TO LIGHTING CONTROLS ASSOCIATED WITH THE LIGHT FIXTURES SHALL BE CONSIDERED LIGHTING CONTROLS. BIDDERS WHO DO NOT CONFORM TO THIS REQUIREMENT MAY BE DISQUALIFIED.

MHTN ARCHITECTS
MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
www.mhtn.com

ENVISION ENGINEERING
240 E. MORRIS AVE. SUITE 200
SALT LAKE CITY, UT 84115
P. (801) 534-1130
www.envisioneng.com
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PARK CITY SCHOOL DISTRICT

TREASURE MOUNTAIN SPORTS COMPLEX

1750 KEARNS BLVD
PARK CITY, UT 84060

SEAL

2025/05/12

MHTN PROJECT NO. 2017559

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

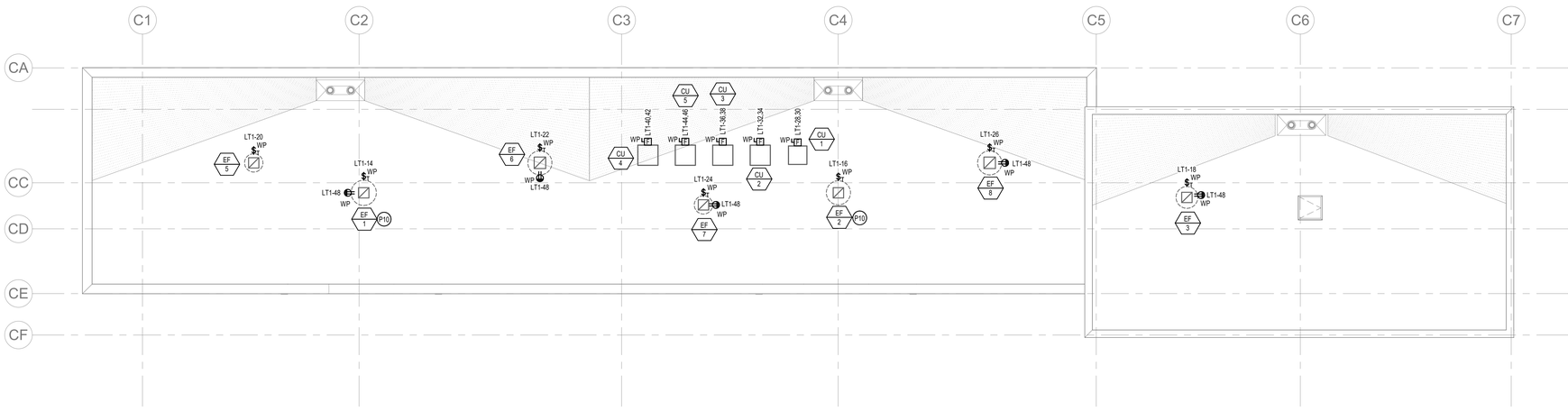
NO.	DATE	DESCRIPTION

ISSUE
BID SET #1
MAY 12, 2025

SHEET NAME
LIGHTING CONTROLS

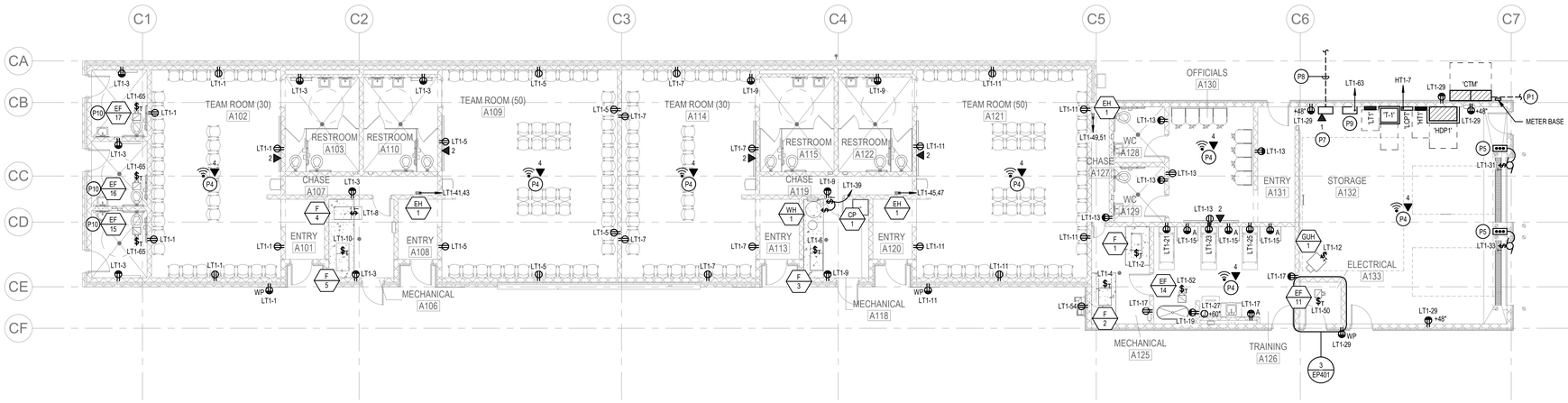
SHEET NUMBER
EL602

RETURN TO SHEET INDEX



2 ROOF POWER PLAN - TREASURE SUPPORT

SCALE: 1/8" = 1'-0"



1 FIRST POWER FLOOR PLAN - TREASURE SUPPORT

SCALE: 1/8" = 1'-0"

POWER GENERAL NOTES:

1. ALL 120V, 20AMP OUTLETS THAT ARE WITHIN 6' OF ANY SINK SHALL BE GFCI.
2. THE DIVISION 26 CONTRACTOR SHALL DETERMINE THE EXACT ROUTING OF ALL CONDUITS IN THE FIELD. THIS PLAN REPRESENTS A SCHEMATIC REPRESENTATION OF DEVICE LOCATIONS AND CONDUIT RUNS.
3. PROVIDE A MINIMUM OF 12" SEPARATION BETWEEN POWER AND COMMUNICATIONS CONDUITS.
4. ALL CONDUITS THAT EXTEND THROUGH CONCRETE SHALL BE GALVANIZED RIGID CONDUIT AND SHALL BE WRAPPED WITH TWO (2) LAYERS OF PVC TAPE.
5. ALL ELBOWS THAT EXTEND THROUGH CONCRETE SHALL BE GALVANIZED RIGID CONDUIT AND WRAPPED WITH TWO (2) LAYERS OF PVC TAPE.
6. CONTRACTOR SHALL PROVIDE ALL RACEWAYS AND JUNCTION BOXES FOR HVAC CONTROLS, THERMOSTATS, ETC. REFER TO THE MECHANICAL DRAWINGS AND SPECIFICATIONS. COORDINATE WORK WITH THE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
7. ROUTE BELOW GRADE CONDUIT A MINIMUM OF 6" BELOW THE GRAVEL BASE.
8. CONTRACTOR SHALL COORDINATE ALL WALL MOUNTED DEVICE, FIXTURE AND EQUIPMENT HEIGHTS AND LOCATIONS WITH THE ARCHITECT PRIOR TO ANY ROUGH-IN.
9. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE UPSIZED FOR VOLTAGE DROP WHETHER SHOWN OR NOT. VOLTAGE DROP FROM A PANELBOARD TO ANY ELECTRICAL DEVICE SHALL BE MAXIMUM 3%.

KEYED NOTES (#)

P1 SEE ES101 FOR CONTINUATION AND ONE-LINE DIAGRAM FOR CONDUIT REQUIREMENTS.

P4 WIRELESS ACCESS POINT IS FURNISHED AND INSTALLED BY THE OWNER. CABLING IS PROVIDED BY THE CONTRACTOR. PROVIDE CABLE QUANTITY AS SHOWN COIL 30' OF CABLE ABOVE CEILING. CONFIRM EXACT MOUNTING LOCATIONS WITH THE OWNER PRIOR TO ANY ROUGH-IN. WHERE DATA IS INSTALLED ABOVE A LAY-IN CEILING, PROVIDE LABEL ON T-BAR BELOW JACK LOCATION WITH CABLE LABEL.

P5 DOOR CONTROLS ARE FURNISHED BY THE DOOR SUPPLIER AND INSTALLED AND CONNECTION BY THE CONTRACTOR.

P7 IRRIGATION CONTROLLER. IT IS ASSUMED THIS WILL HAVE A PLUG IN POWER CONNECTION. CONFIRM WITH THE IRRIGATION CONTRACTOR PRIOR TO ANY ROUGH-IN.

P8 EXTEND THREE (3) 2" CONDUITS FROM THE IRRIGATION CONTROLLER TO THE LANDSCAPE AREA AS DETERMINED BY THE IRRIGATION CONTRACTOR. CONFIRM EXACT STUB LOCATION PRIOR TO ANY ROUGH-IN.

P9 MUSCO SPORTS LIGHTING CONTROL PANEL IS FURNISHED BY THE OWNER AND INSTALLED AND CONNECTED AND TERMINATED BY THE ELECTRICAL CONTRACTOR. COORDINATE ALL INSTALLATION REQUIREMENTS WITH MUSCO PRIOR TO ANY ROUGH-IN.

P10 SWITCH WITH LIGHTS. SEE LIGHTING PLAN FOR CIRCUIT AN CONTROL REQUIREMENTS. PROVIDE AN ADDITIONAL 120V POWER PACK TO CONTROL THE EXHAUST FAN WITH THE 277V LIGHTS.

DATA/COMMUNICATIONS SYMBOLS LEGEND:

WIFI ACCESS POINT LOCATION — QTY. OF CAT. 6 CABLES. PROVIDE 15' LOOP ABOVE CEILING

DATA LOCATION — QTY. OF CAT. 6 CABLES (TYP).

DATA ELEVATION WITH DROP QTY. (TYP)

TYPICAL OUTLET CONVENTION

A1-40 — DESIGNATION OF CIRCUIT. WIRE COMPLETE.

A1-40/G — ISOLATED GROUND CIRCUIT.

A1-40 / L6-30 — DESIGNATION OF CIRCUIT. WIRE COMPLETE. PLUG TYPE. VERIFY EXACT PLUG TYPE WITH OWNER / EQUIPMENT SUPPLIER.

PROVIDE 4-11/16" SQUARE, 2-1/8" DEEP JUNCTION BOX WITH SINGLE GANG PLASTER RING AND EXTEND 1" CONDUIT TO THE ACCESSIBLE CEILING SPACE TERMINATE CONDUIT IN CEILING SPACE WITH A NYLON BUSHING.

RECEPTACLE ELEVATION (TYP)

MHTN ARCHITECTS
MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
www.mhtn.com

ENVISION ENGINEERING
240 E. MORRIS AVE. SUITE 200
SALT LAKE CITY, UT 84115
P. (801) 534-1130
www.envisioneng.com
ENV:2025-041.00

PARK CITY SCHOOL DISTRICT

TREASURE MOUNTAIN SPORTS COMPLEX

1750 KEARNS BLVD
PARK CITY, UT 84060

SEAL

2025/05/12

MHTN PROJECT NO. 2017559

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

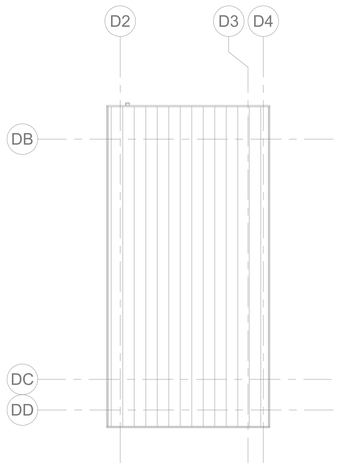
NO	DATE	DESCRIPTION

ISSUE
BID SET #1
MAY 12, 2025

SHEET NAME
POWER PLANS - TREASURE SUPPORT

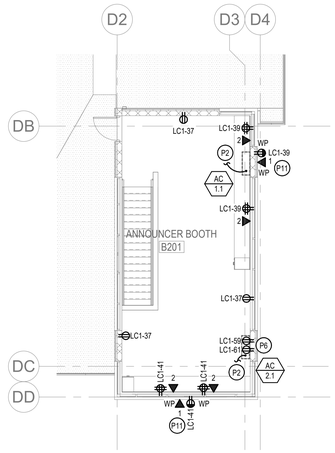
SHEET NUMBER
EP101A

RETURN TO SHEET INDEX



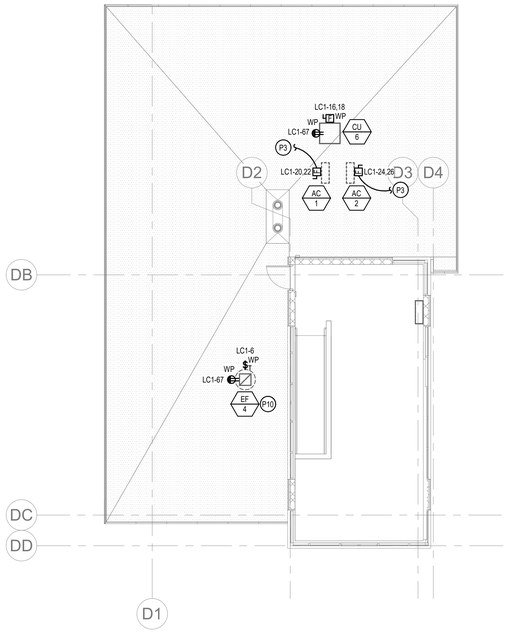
4 UPPER ROOF POWER PLAN - PRESS BOX

SCALE: 1/8" = 1'-0"



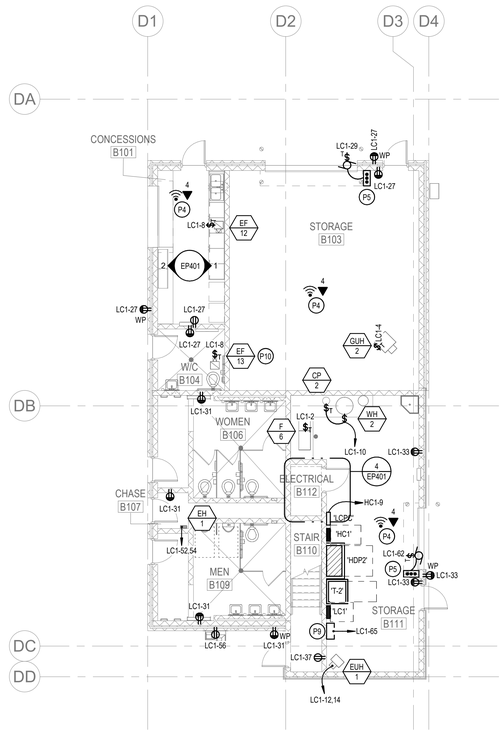
2 SECOND FLOOR POWER PLAN - PRESS BOX

SCALE: 1/8" = 1'-0"



3 ROOF POWER PLAN - PRESS BOX

SCALE: 1/8" = 1'-0"



1 FIRST FLOOR POWER PLAN - PRESS BOX

SCALE: 1/8" = 1'-0"

POWER GENERAL NOTES:

1. ALL 120V, 20AMP OUTLETS THAT ARE WITHIN 6' OF ANY SINK SHALL BE GFCI.
2. THE DIVISION 26 CONTRACTOR SHALL DETERMINE THE EXACT ROUTING OF ALL CONDUITS IN THE FIELD. THIS PLAN REPRESENTS A SCHEMATIC REPRESENTATION OF DEVICE LOCATIONS AND CONDUIT RUNS.
3. PROVIDE A MINIMUM OF 12" SEPARATION BETWEEN POWER AND COMMUNICATIONS CONDUITS.
4. ALL CONDUITS THAT EXTEND THROUGH CONCRETE SHALL BE GALVANIZED RIGID CONDUIT AND SHALL BE WRAPPED WITH TWO (2) LAYERS OF PVC TAPE.
5. ALL ELBOWS THAT EXTEND THROUGH CONCRETE SHALL BE GALVANIZED RIGID CONDUIT AND WRAPPED WITH TWO (2) LAYERS OF PVC TAPE.
6. CONTRACTOR SHALL PROVIDE ALL RACEWAYS AND JUNCTION BOXES FOR HVAC CONTROLS, THERMOSTATS, ETC. REFER TO THE MECHANICAL DRAWINGS AND SPECIFICATIONS. COORDINATE WORK WITH THE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
7. ROUTE BELOW GRADE CONDUIT A MINIMUM OF 6" BELOW THE GRAVEL BASE.
8. CONTRACTOR SHALL COORDINATE ALL WALL MOUNTED DEVICE, FIXTURE AND EQUIPMENT HEIGHTS AND LOCATIONS WITH THE ARCHITECT PRIOR TO ANY ROUGH-IN.
9. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE UPSIZED FOR VOLTAGE DROP WHETHER SHOWN OR NOT. VOLTAGE DROP FROM A PANELBOARD TO ANY ELECTRICAL DEVICE SHALL BE MAXIMUM 3%.

KEYED NOTES (#)

P2 UP TO OUTDOOR UNIT ON ROOF.

P3 DOWN TO INDOOR UNIT BELOW.

P4 WIRELESS ACCESS POINT IS FURNISHED AND INSTALLED BY THE OWNER. CABLING IS PROVIDED BY THE CONTRACTOR. PROVIDE CABLE QUANTITY AS SHOWN COIL 30' OF CABLE ABOVE CEILING. CONFIRM EXACT MOUNTING LOCATIONS WITH THE OWNER PRIOR TO ANY ROUGH-IN. WHERE DATA IS INSTALLED ABOVE A LAY-IN CEILING, PROVIDE LABEL ON T-BAR BELOW JACK LOCATION WITH CABLE LABEL.

P5 DOOR CONTROLS ARE FURNISHED BY THE DOOR SUPPLIER AND INSTALLED AND CONNECTION BY THE CONTRACTOR.

P6 POWER FOR AV RACK. MOUNT RECEPTACLE SO THEY ARE WITHIN THE AV RACK. CONFIRM EXACT LOCATION AND HEIGHT WITH THE AV SYSTEM INSTALLER PRIOR TO ANY ROUGH-IN.

P9 MUSCO SPORTS LIGHTING CONTROL PANEL IS FURNISHED BY THE OWNER AND INSTALLED AND CONNECTED AND TERMINATED BY THE ELECTRICAL CONTRACTOR. COORDINATE ALL INSTALLATION REQUIREMENTS WITH MUSCO PRIOR TO ANY ROUGH-IN.

P10 SWITCH WITH LIGHTS. SEE LIGHTING PLAN FOR CIRCUIT AN CONTROL REQUIREMENTS. PROVIDE AN ADDITIONAL 120V POWER PACK TO CONTROL THE EXHAUST FAN WITH THE 277V LIGHTS.

P11 POWER AND DATA FOR HUDDLE CAMERA. CONFIRM EXACT MOUNTING HEIGHT AND LOCATION WITH THE OWNER PRIOR TO THE START OF THE CONSTRUCTION.

WIFI ACCESS POINT LOCATION — QTY. OF CAT. 6 CABLES. PROVIDE 15' LOOP ABOVE CEILING

DATA LOCATION — QTY. OF CAT. 6 CABLES (TYP).

DATA ELEVATION WITH DROP QTY. (TYP)

DATA/COMMUNICATIONS SYMBOLS LEGEND:

A1-40 — DESIGNATION OF CIRCUIT. WIRE COMPLETE.

A1-40/IG — ISOLATED GROUND CIRCUIT.

A1-40 / L6-30 — DESIGNATION OF CIRCUIT. WIRE COMPLETE. PLUG TYPE. VERIFY EXACT PLUG TYPE WITH OWNER / EQUIPMENT SUPPLIER.

PROVIDE 4-11/16" SQUARE, 2-1/8" DEEP JUNCTION BOX WITH SINGLE GANG PLASTER RING AND EXTEND 1" CONDUIT TO THE ACCESSIBLE CEILING SPACE TERMINATE CONDUIT IN CEILING SPACE WITH A NYLON BUSHING.

RECEPTACLE ELEVATION (TYP)

TYPICAL OUTLET CONVENTION

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PARK CITY SCHOOL DISTRICT

TREASURE MOUNTAIN SPORTS COMPLEX

1750 KEARNS BLVD
PARK CITY, UT 84060

SEAL

LICENSED PROFESSIONAL ENGINEER
DAVID P. WHITTON
No.264397
STATE OF UTAH
2025/05/12

MHTN PROJECT NO. 2017559

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD. USE REFLECT LAST REVISION DATE.

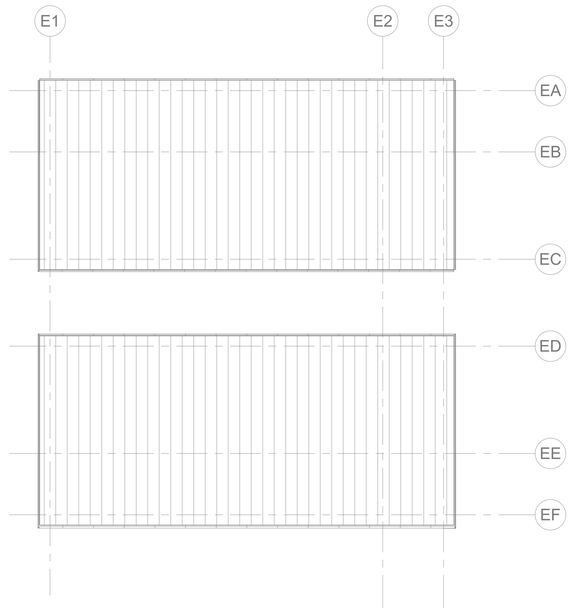
NO	DATE	DESCRIPTION

ISSUE
BID SET #1
MAY 12, 2025

SHEET NAME
POWER PLANS - PRESS BOX

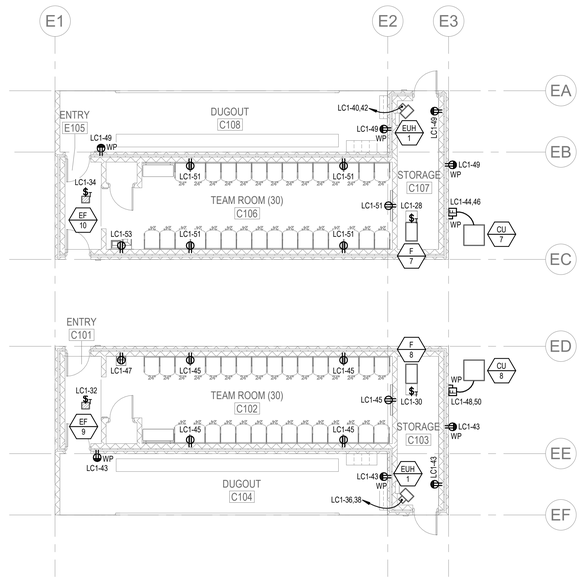
SHEET NUMBER
EP101B

RETURN TO SHEET INDEX



2 ROOF POWER PLAN - TEAMROOM/DUGOUT

SCALE: 1/8" = 1'-0"



1 FIRST FLOOR POWER PLAN - TEAMROOM/DUGOUT

SCALE: 1/8" = 1'-0"

POWER GENERAL NOTES:

1. ALL 120V, 20AMP OUTLETS THAT ARE WITHIN 6' OF ANY SINK SHALL BE GFCI.
2. THE DIVISION 26 CONTRACTOR SHALL DETERMINE THE EXACT ROUTING OF ALL CONDUITS IN THE FIELD. THIS PLAN REPRESENTS A SCHEMATIC REPRESENTATION OF DEVICE LOCATIONS AND CONDUIT RUNS.
3. PROVIDE A MINIMUM OF 12" SEPARATION BETWEEN POWER AND COMMUNICATIONS CONDUITS.
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6. CONTRACTOR SHALL PROVIDE ALL RACEWAYS AND JUNCTION BOXES FOR HVAC CONTROLS, THERMOSTATS, ETC. REFER TO THE MECHANICAL DRAWINGS AND SPECIFICATIONS. COORDINATE WORK WITH THE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
7. ROUTE BELOW GRADE CONDUIT A MINIMUM OF 6" BELOW THE GRAVEL BASE.
8. CONTRACTOR SHALL COORDINATE ALL WALL MOUNTED DEVICE, FIXTURE AND EQUIPMENT HEIGHTS AND LOCATIONS WITH THE ARCHITECT PRIOR TO ANY ROUGH-IN.
9. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE UPSIZED FOR VOLTAGE DROP WHETHER SHOWN OR NOT. VOLTAGE DROP FROM A PANELBOARD TO ANY ELECTRICAL DEVICE SHALL BE MAXIMUM 3%.

WIFI ACCESS POINT LOCATION — 2 — QTY. OF CAT. 6 CABLES. PROVIDE 15' LOOP ABOVE CEILING

DATA LOCATION — 2,1 — 1 — QTY. OF CAT. 6 CABLES (TYP).

DATA ELEVATION WITH DROP QTY. (TYP)

DATA/COMMUNICATIONS SYMBOLS LEGEND:

A1-40 — DESIGNATION OF CIRCUIT. WIRE COMPLETE.

A1-40/IG — ISOLATED GROUND CIRCUIT.

A1-40 / L6-30 — DESIGNATION OF CIRCUIT. WIRE COMPLETE. PLUG TYPE. VERIFY EXACT PLUG TYPE WITH OWNER / EQUIPMENT SUPPLIER.

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TYPICAL OUTLET CONVENTION

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PARK CITY, UT 84060

SEAL

2025/05/12

MHTN PROJECT NO. 2017559

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REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD. USE REFLECT LAST REVISION DATE.

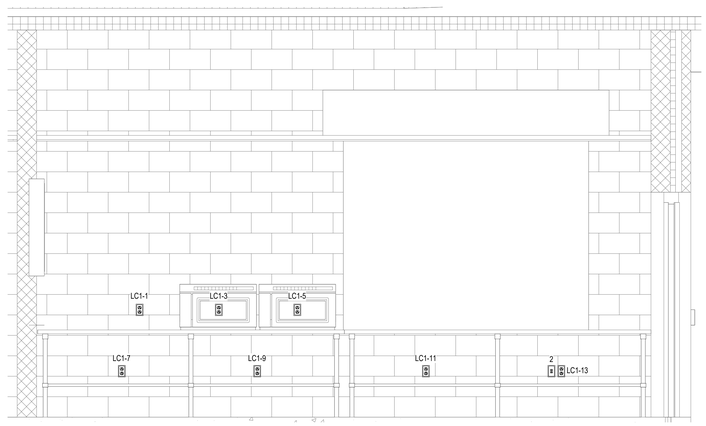
NO	DATE	DESCRIPTION

ISSUE
BID SET #1
MAY 12, 2025

SHEET NAME
POWER PLANS - TEAMROOM / DUGOUT

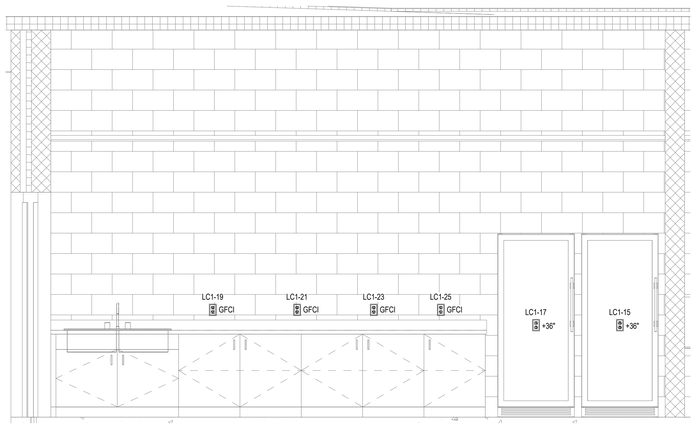
SHEET NUMBER
EP101C

RETURN TO SHEET INDEX



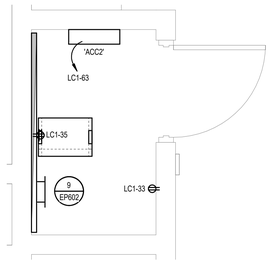
2 WEST CONCESSIONS ELEVATION

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



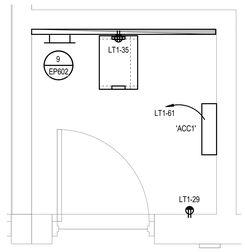
1 EAST CONCESSIONS ELEVATION

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



4 ENLARGED ELEC B112 - POWER PLAN

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



3 ENLARGED ELECTRICAL ROOM A133 - POWER PLAN

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

POWER GENERAL NOTES:

1. ALL 120V, 20AMP OUTLETS THAT ARE WITHIN 6' OF ANY SINK SHALL BE GFCI.
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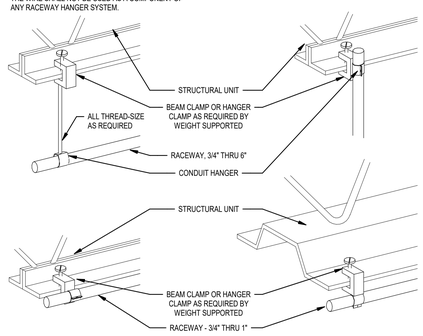
SHEET NAME
ENLARGED POWER PLANS

SHEET NUMBER
EP401

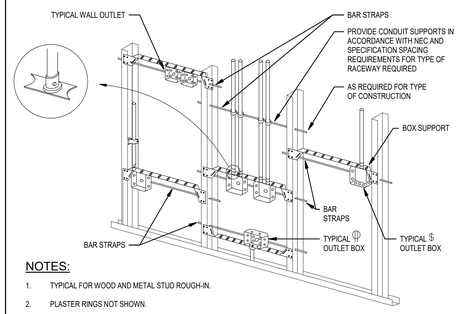
RETURN TO SHEET INDEX

NOTES:

1. THE WIRE SHALL NOT BE USED AS A COMPONENT OF ANY RACEWAY HANGER SYSTEM.



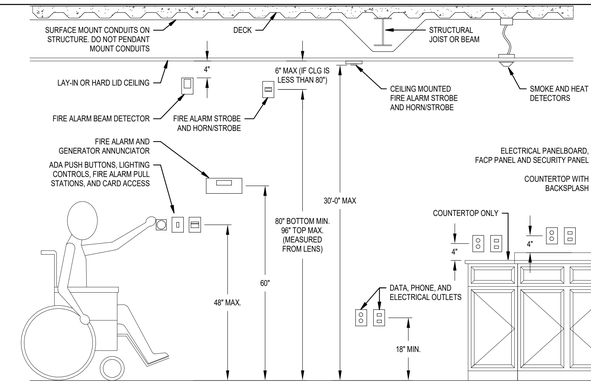
3 TYPICAL SINGLE RACEWAY SUPPORT DETAILS
SCALE: NTS



NOTES:

1. TYPICAL FOR WOOD AND METAL STUD ROUGH-IN.
2. PLASTER RINGS NOT SHOWN.
3. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS, AND WITH ALL APPLICABLE SHOP DRAWINGS.
4. OUTLETS ON OPPOSITE SIDES OF FIRE RATED WALLS OR PARTITIONS IN THE SAME STUD SPACE MUST BE SEPARATED BY A MINIMUM OF 24" HORIZONTAL DISTANCE.

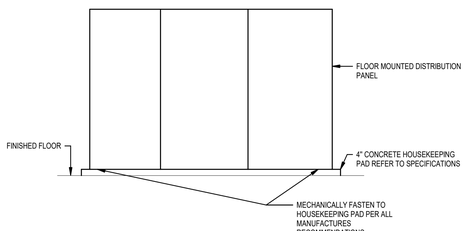
2 TYPICAL ROUGH-IN REQUIREMENTS
SCALE: NTS



NOTES:

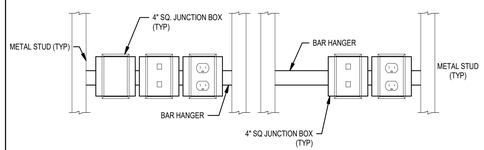
1. MOUNT ALL OUTLETS, DEVICES, AND EQUIPMENT AT HEIGHTS INDICATED BELOW, UNLESS NOTED OTHERWISE ON THE DRAWINGS. UNLESS NOTED OTHERWISE, HEIGHTS ARE GIVEN FROM FINISHED FLOOR TO CENTER OF OUTLET BOX.
2. WHERE OUTLETS, DEVICES AND EQUIPMENT ARE NOTED BY THE SUBSCRIPT 'A', MOUNT AT 4" ABOVE COUNTER. IF COUNTER HAS A BACK SPLASH, MOUNT AT 4" ABOVE BACK SPLASH. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS AND COORDINATE WITH CASEWORK SUPPLIER.

1 TYPICAL ADA AND EQUIPMENT MOUNTING HEIGHT DETAIL
SCALE: NTS

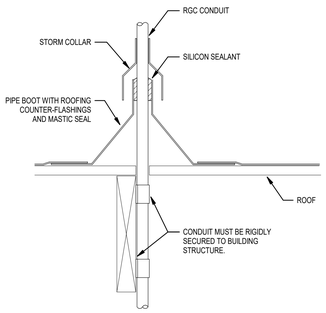


7 FLOOR MOUNTED DISTRIBUTION PANEL SUPPORT / MOUNTING DETAIL
SCALE: NTS

NOTE:
WHERE SHOWN ON THE DRAWINGS MOUNT JUNCTION BOXES FOR DEVICES, DATA/COMM , A/V AND SYSTEM FURNITURE CONNECTIONS NEXT TO EACH OTHER (TYPICAL ALL LOCATIONS). JUNCTION BOXES THAT ARE MOUNTED IN SEPARATE STUD SPACES WILL BE RELOCATED.



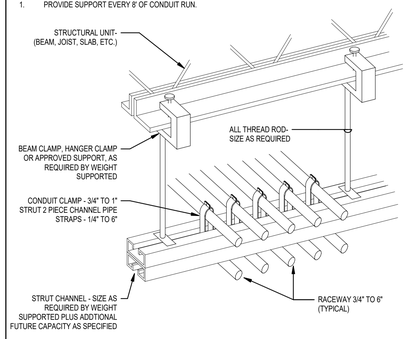
6 TYPICAL JUNCTIONBOX MOUNTING DETAIL
SCALE: NTS



5 CONDUIT THROUGH ROOF FLASHING DETAIL
SCALE: NTS

NOTES:

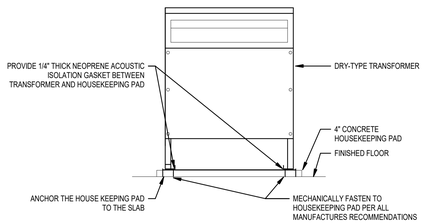
1. PROVIDE SUPPORT EVERY 8' OF CONDUIT RUN.



4 TYPICAL MULTIPLE RACEWAY SUPPORT DETAIL
SCALE: NTS

NOTES:

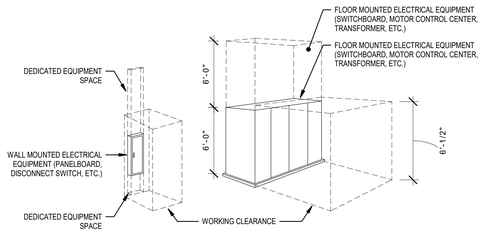
1. APPROVED ANCHORED SYSTEMS ARE: HILTI HVA OR HIT-1, OR EQUIVALENT FROM RAMSET OR EPCON.
2. ANCHOR THE HOUSEKEEPING PAD TO THE SLAB WITH (1) #4 REBAR AT EACH CORNER OF BASE, (MIN 3" COVERAGE FROM EDGE) 3" INTO SLAB AND HOUSEKEEPING PAD.



10 PAD MOUNTED TRANSFORMER DETAIL
SCALE: NTS

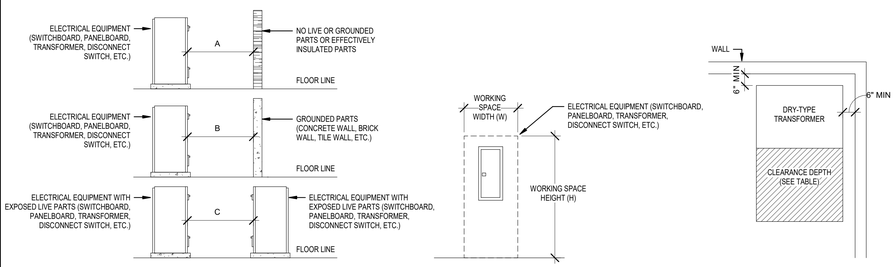
NOTES:

1. NO PIPING, DUCTS, LEAK PROTECTION APPARATUS, OR OTHER EQUIPMENT FOREIGN TO ELECTRICAL INSTALLATION SHALL BE LOCATED IN DEDICATED EQUIPMENT SPACE (MECHANICAL DUCTS AND PIPES, SPRINKLER PIPES, ETC.).
2. IF AREA ABOVE DEDICATED EQUIPMENT SPACE CONTAINS FOREIGN SYSTEMS, A PROTECTIVE EQUIPMENT MUST BE PROVIDED TO AVOID DAMAGE TO THE ELECTRICAL EQUIPMENT FROM CONDENSATION, LEAKS, OR BREAKS IN SUCH FOREIGN SYSTEMS.



9 TYPICAL ELECTRICAL EQUIPMENT DEDICATED SPACE REQUIREMENTS
SCALE: NTS

NOMINAL VOLTAGE TO GROUND	TYP SYSTEM VOLTAGES	DEPTH A	DEPTH B	DEPTH C	WIDTH W	HEIGHT H
0-150	208V, 3PH, 4W 240V, 1PH, 3W	3'-0"	3'-0"	3'-0"	WIDTH OF EQUIPMENT OR 30", WHICHEVER IS GREATER. WORK SPACE SHALL PERMIT AT LEAST A 90 DEGREE OPENING OF EQUIPMENT DOORS OR HINGED PANELS.	FROM GRADE, FLOOR, OR PLATFORM TO A HEIGHT OF 6'-6" OR HEIGHT OF EQUIPMENT, WHICHEVER IS GREATER. CONCRETE PADS SHALL BE PERMITTED TO EXTEND NOT MORE THAN 6" BEYOND FRONT OF ELECTRICAL EQUIPMENT.
151-600	480V, 3PH, 4W	3'-0"	3'-6"	4'-0"		



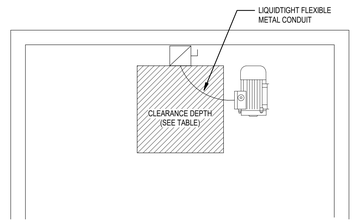
WORKING SPACE DEPTH | WORKING SPACE WIDTH AND HEIGHT | TRANSFORMER CLEARANCE

8 TYPICAL ELECTRICAL EQUIPMENT WORKING CLEARANCE REQUIREMENTS
SCALE: NTS

NOMINAL VOLTAGE TO GROUND	TYP SYSTEM VOLTAGES	DEPTH A	DEPTH B	DEPTH C	WIDTH W	HEIGHT H
0-150	208V, 3PH, 4W 240V, 1PH, 3W	3'-0"	3'-0"	3'-0"	WIDTH OF EQUIPMENT OR 30", WHICHEVER IS GREATER. WORK SPACE SHALL PERMIT AT LEAST A 90 DEGREE OPENING OF EQUIPMENT DOORS OR HINGED PANELS.	FROM GRADE, FLOOR, OR PLATFORM TO A HEIGHT OF 6'-6" OR HEIGHT OF EQUIPMENT, WHICHEVER IS GREATER. CONCRETE PADS SHALL BE PERMITTED TO EXTEND NOT MORE THAN 6" BEYOND FRONT OF ELECTRICAL EQUIPMENT.
151-600	480V, 3PH, 4W	3'-0"	3'-6"	4'-0"		

NOTES:

1. DISCONNECT MUST BE LOCATED WITHIN SIGHT OF MECHANICAL EQUIPMENT IT SUPPLIES.
2. CONTRACTOR SHALL COORDINATE LOCATION OF DISCONNECT WITH MECHANICAL CONTRACTOR TO ELIMINATE OBSTACLES SUCH AS DUCTS, PIPES, MECHANICAL EQUIPMENT, CONCRETE PADS, ETC. IN FRONT OF DISCONNECT.
3. NO FOREIGN APPARATUS SHALL BE PRESENT IN THE DISCONNECT DEDICATED SPACE (BELOW DISCONNECT AND 6'-0" ABOVE DISCONNECT).
4. IF DUE TO OBSTACLES DISCONNECT CANNOT BE INSTALLED ON WALL, PROVIDE STRUT RACK.



11 TYPICAL MOTOR DISCONNECT-CONTROLLER CLEARANCE REQUIREMENTS
SCALE: NTS

MHTN ARCHITECTS
MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
www.mhtn.com

ENVISION ENGINEERING
240 E. MORRIS AVE. SUITE 200
SALT LAKE CITY, UT 84115
P. (801) 534-1130
www.envisioneng.com
ENV:2025-041.00

PARK CITY SCHOOL DISTRICT

TREASURE MOUNTAIN SPORTS COMPLEX

1750 KEARNS BLVD
PARK CITY, UT 84060

SEAL

REGISTERED PROFESSIONAL ENGINEER
DAVID P. WHITTON
No.264397
STATE OF UTAH

2025/05/12

MHTN PROJECT NO. 2017559

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD. USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION

ISSUE
BID SET #1
MAY 12, 2025

SHEET NAME
POWER DETAILS

SHEET NUMBER
EP501

RETURN TO SHEET INDEX

DATA GENERAL NOTES:

1. CONTRACTOR TO VERIFY ALL COMMUNICATIONS AND DATA REQUIREMENTS WITH PARK CITY SCHOOL DISTRICT.
2. CONTRACTOR TO PROVIDE ALL RACKS, PATCH PANELS AND PATCH CABLES AS REQUIRED FOR A COMPLETE INSTALLATION.
3. CONTRACTOR TO PROVIDE FIBER BREAK OUT BOXES AS DIRECTED BY PARK CITY SCHOOL DISTRICT. MOUNT IN LOCATION AS DIRECTED BY PARK CITY SCHOOL DISTRICT. CONTRACTOR TO TERMINATE ALL FIBERS IN THE BREAKOUT BOX IN THE MDF AND IDF ROOMS.
4. CONTRACTOR IS RESPONSIBLE FOR TESTING ALL CABLES AND CONNECTIONS TO ENSURE EIA/TIA STANDARDS ARE MET. PROVIDE A WRITTEN REPORT TO PARK CITY SCHOOL DISTRICT FOR EACH CABLE TESTED.
5. CONTRACTOR TO PROVIDE PATCH CABLES AS FOLLOWS:

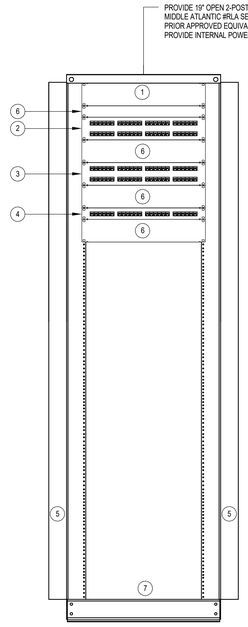
   VLAN (ORANGE) 6"
   ROUTER TO SWITCH, SWITCH TO SWITCH (YELLOW) 6"
   TELEPHONES TO PORT, POE PORT TO PUNCH DOWN (GREEN) 7'
   TEACHER MACHINE TO PORT (BLUE) 7'
   CCTV CAMERAS (PURPLE/VILOT) 6"
   STUDENT MACHINE TO PORT (BLACK) 7'
   SERVER TO SWITCH (WHITE) 7'
   LCD OR PROJECTOR (BROWN) 7'
   CONTRACTOR TO PROVIDE 1 PATCH CABLE, AS NOTED ABOVE, PER JACK +10% SPARE
   COORDINATE ALL REQUIREMENTS WITH PARK CITY SCHOOL DISTRICT.
6. THE DATA/COMM. SYSTEM SUPPLIER SHALL PROVIDE COMPUTER DRAFTED SHOP DRAWINGS OF THE ENTIRE DATA/COMM. SYSTEM USING FLOOR PLANS PROVIDED BY THE ENGINEER. SHOP DRAWINGS TO INCLUDE PLANS, SECTIONS, ELEVATIONS, FINAL DEVICE LOCATIONS, CONDUIT SIZE AND ROUTING AND ALL CABLE TYPES. TYPICAL RISERS WILL NOT BE ACCEPTED.
7. CABLE LABELING SHALL BE AS FOLLOWS:
   D = DATA
   W = WIFI
   C = CCTV
   (e.g. D01, W05, C07)
   CONFIRM ALL LABELING WITH PARK CITY SCHOOL DISTRICT PRIOR TO PULLING AND LABELING CABLES.
8. ALL DATA AND COMMUNICATION CABLES SHALL BE TERMINATED AND LABELED AT BOTH ENDS. PROVIDE LABELING AS DIRECTED BY PARK CITY SCHOOL DISTRICT.
9. ALL CABLING THAT IS NOT IN CONDUIT OR CABLE TRAY SHALL BE A MINIMUM OF 5' FROM ANY LIGHT FIXTURE.
10. INSTALL WIRING IN RACEWAYS AND CABLE TRAYS EXCEPT WITHIN CONSOLES, CABINETS, DESK, AND COUNTERS AND ACCESSIBLE SUSPENDED CEILING SPACES. WHERE CABLES ARE ROUTED IN ACCESSIBLE SUSPENDED CEILINGS, SECURE AND SUPPORT CABLES WITH J-HOOKS AT INTERVALS NOT EXCEEDING 30 INCHES (760 MM). INSTALL EXPOSED CABLES PARALLEL AND PERPENDICULAR TO SURFACES OR EXPOSED STRUCTURAL MEMBERS, AND FOLLOW SURFACE CONTOURS. USE UL-LISTED PLENUM CABLE THROUGHOUT THE ENTIRE SYSTEM.
11. ALL CABLES SHALL BE PLENUM RATED.
12. THE DATA/COMM. SYSTEM SUPPLIER SHALL PROVIDE COMPUTER DRAFTED SHOP DRAWINGS OF THE ENTIRE DATA/COMM. SYSTEM USING FLOOR PLANS PROVIDED BY THE ENGINEER. SHOP DRAWINGS TO INCLUDE PLANS, SECTIONS, ELEVATIONS, FINAL DEVICE LOCATIONS, CONDUIT SIZE AND ROUTING AND ALL CABLE TYPES. TYPICAL RISERS WILL NOT BE ACCEPTED.
13. ALL PATCH PANELS SHALL BE FULLY POPULATED, EMPTY SPACES IN PATCH PANELS WILL NOT BE ACCEPTED.

NOTE:

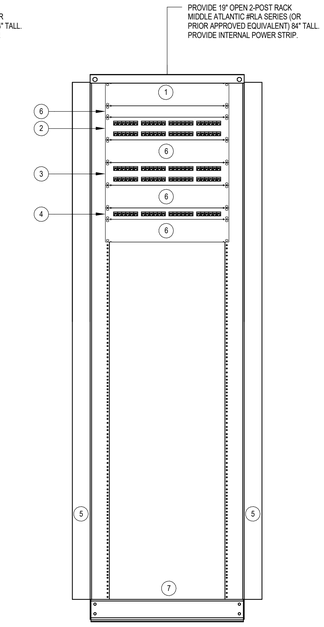
1. CONTRACTOR SHALL SCHEDULE A PRE-INSTALL MEETING WITH THE SCHOOL DISTRICT AND ENGINEER FOR REVIEW OF THE INSTALLATION OF THE SYSTEM PRIOR TO ANY ROUGH-IN AND PRIOR TO SUBMITTAL SUBMISSION. IF THE CONTRACTOR DOES NOT SCHEDULE A PRE-INSTALL MEETING, THE CONTRACTOR SHALL MAKE ANY AND ALL CHANGES TO THE SYSTEM AS DIRECTED BY THE SCHOOL DISTRICT AT NO ADDITIONAL COST TO THE DISTRICT.
2. RACK LAYOUT ARE FOR BASIC CONCEPT AND LAYOUT. DATA SYSTEM INSTALLER SHALL PROVIDE ALL EQUIPMENT AS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM TO COMPLY WITH THE SPECIFICATIONS AND OWNER REQUIREMENTS.
3. DATA CONTRACTOR SHALL LAYOUT RACKS AS DIRECTED BY THE OWNER. PROVIDE SPACE FOR OWNER PROVIDED ACTIVE EQUIPMENT.
4. DATA CONTRACTOR SHALL PROVIDE ALL REQUIRED PATCH PANELS AND WIRE MANAGEMENT FOR AV SYSTEM. COORDINATE ALL WORK AND REQUIREMENTS WITH THE AV INSTALLER.

KEYED NOTES: (#)

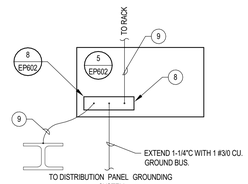
1. FIBER OPTIC LIU. COORDINATE SIZE AND ALL REQUIREMENTS WITH PARK CITY SCHOOL DISTRICT.
2. 48 PORT CAT. 6 PATCH PANEL FOR DATA. CONTRACTOR TO VERIFY AND PROVIDE EXACT QUANTITY OF PATCH PANELS REQUIRED FOR A COMPLETE INSTALLATION.
3. 48 PORT CAT. 6 PATCH PANEL FOR WIFI. CONTRACTOR TO VERIFY AND PROVIDE EXACT QUANTITY OF PATCH PANELS REQUIRED FOR A COMPLETE INSTALLATION.
4. 24 PORT CAT. 6 PATCH PANEL FOR CCTV. CONTRACTOR TO VERIFY AND PROVIDE EXACT QUANTITY OF PATCH PANELS REQUIRED FOR A COMPLETE INSTALLATION.
5. VERTICAL WIRE MANAGER. PROVIDE MIDDLE ATLANTIC #VCD SERIES SINGLE DUCT WIRE MANAGEMENT (OR PRIOR APPROVED EQUIVALENT)
6. OWNER PROVIDED EQUIPMENT.
7. MECHANICALLY FASTEN RACK TO FLOOR A MINIMUM FOUR (4)
8. COPPER GROUND BUS. SEE DETAIL ON SHEET EP602.
9. PROVIDE A #6 MINIMUM GROUNDING CONDUCTOR TO LOCATIONS AS SHOWN.
10. TERMINATE FIBERS USING LC TYPE CONNECTORS (UNLESS OTHERWISE DIRECTED BY THE OWNER) IN FIBER OPTIC LIU. CONTRACTOR SHALL TEST ALL FIBERS TO INSURE OWNER REQUIREMENTS ARE MET. IF A SINGLE FIBER FAILS THE TESTING THE ENTIRE CABLE SHALL BE REPLACED WITH NEW.
11. CONFIRM ALL TERMINATION LOCATIONS AND REQUIREMENTS IN THE EXISTING MDF WITH THE OWNER PRIOR TO ANY ROUGH-IN.



2 ELECTRICAL B112 RACK DETAILS
SCALE: NONE



1 ELECTRICAL A133 RACK DETAILS
SCALE: NONE



3 GROUNDING RISER DIAGRAM TYPICAL
SCALE: NONE

GENERAL NOTES:

1. PROVIDE GROUNDING AND BONDING OF I.T. ROOMS, SERVER ROOM, RACKS AND CABLE TRAY PER THE FOLLOWING STANDARDS AND REQUIREMENTS: ANSI J-STD-607-A, ANSI/TIA/EIA-568-B-1.2, NEC, IEEE, BICSI AND OWNERS IT DEPARTMENT.
2. TERMINATE ALL CONDUITS WITH NYLON BUSHINGS ON BOTH ENDS.

PATCH CABLE COLORS:

WIRELESS ACCESS POINT - GREEN
CCTV - GREEN
INTERCOM - PURPLE
DATA - BLUE

SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
CONFIRM ALL LENGTHS WITH THE DISTRICT PRIOR ORDERING.

CABLE JACKET / JACK COLORS:

WIRELESS ACCESS POINT - GREEN
LIGHTING CONTROLS - WHITE
CCTV - GREEN
INTERCOM / AV - PURPLE
DATA - BLUE

JACK COLORS APPLY TO PATCH PANEL AND FIELD JACKS

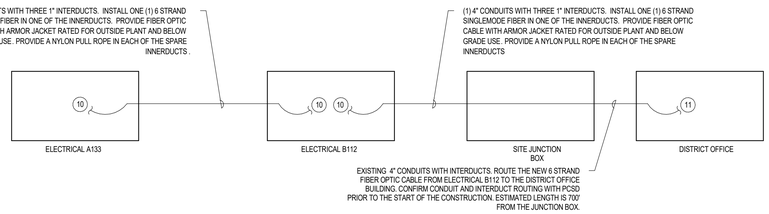
ALL JACK COLORS SHALL BE APPROVED BY THE OWNER PRIOR TO ORDERING. SEE SPECIFICATION FOR SAMPLE REQUIREMENTS.

FIBER OPTIC CONNECTORS:

LC TYPE

RACK LAYOUT ARE FOR BASIC CONCEPT AND LAYOUT. DATA SYSTEM INSTALLER SHALL PROVIDE ALL EQUIPMENT AS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM TO COMPLY WITH THE SPECIFICATIONS AND OWNER REQUIREMENTS.

THE DATA SYSTEM INTEGRATOR AND ELECTRICAL CONTRACTOR SHALL DETERMINE THE BEST ROUTING AND MDF/IDF ROOM TO EXTEND THE UTP CABLING TO. ALL UTP CABLING SHALL MEET THE LENGTH REQUIREMENTS AS REQUIRED BY BICSI AND MANUFACTURE. SEE GENERAL NOTE #6.



4 CONDUIT AND BACKBONE RISER DIAGRAM
SCALE: NONE

MHTN ARCHITECTS
MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
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ENVISION ENGINEERING
240 E. MORRIS AVE. SUITE 200
SALT LAKE CITY, UT 84115
P. (801) 534-1130
www.envisioneng.com
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PARK CITY SCHOOL DISTRICT

TREASURE MOUNTAIN SPORTS COMPLEX

1750 KEARNS BLVD
PARK CITY, UT 84060

SEAL

2025/05/12

MHTN PROJECT NO. 2017559

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

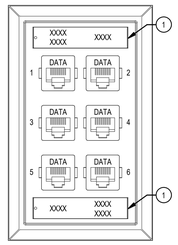
NO	DATE	DESCRIPTION

ISSUE
BID SET #1
MAY 12, 2025

SHEET NAME
DATA RISERS AND RACK DETAILS

SHEET NUMBER
EP601

RETURN TO SHEET INDEX



◀ #X

WHERE:
X : NUMBER OF DROPS (CABLES) AND COMPLETED JACKS.

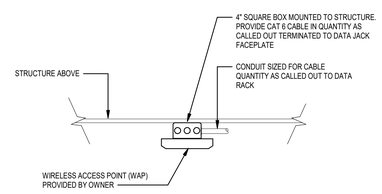
KEYED NOTES: (#)

1. PROVIDE A MACHINE PRINTED LABEL PERMANENTLY FIXED TO THE FACEPLATE. FORMAT SHALL BE "FA-AN" WHERE THE LABEL MATCHES THE PATCH PANEL/IDC LABEL FOR EXAMPLE "1A-B01" = TELECOM ROOM A, PATCH PANEL B, PORT 01.

GENERAL NOTES:

1. THE DETAILS INDICATED ON THE DRAWINGS ARE NOT INTENDED TO IMPLY SPECIFIC MANUFACTURERS OR OUTLET TYPES. THEY ARE MERELY INTENDED TO DESCRIBE THE DESIGN INTENT. THOSE MANUFACTURERS LISTED IN THE SPECIFICATIONS MAY BE USED. IT IS UNDERSTOOD THAT EQUIPMENT MAY VARY SLIGHTLY BY MANUFACTURER.
2. REFER TO OUTLET DETAILS FOR ALL PORT QUANTITIES AND FACEPLATE TYPES.

4 OUTLET LABELING REQUIREMENTS KEY PLAN
SCALE: NTS

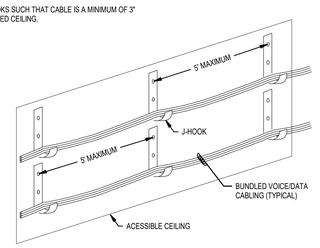


(CEILING OPEN TO STRUCTURE)

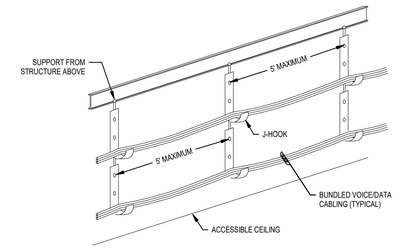
3 OPEN CEILING STRUCTURE MOUNTED WAP DETAIL
SCALE: NTS

NOTE:

1. MOUNT J-HOOKS SUCH THAT CABLE IS A MINIMUM OF 3" ABOVE FINISHED CEILING.



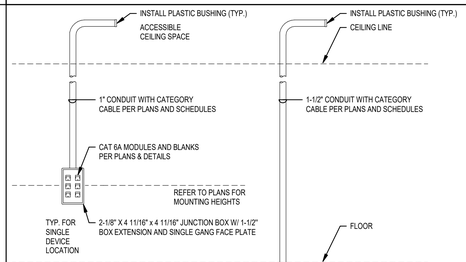
2 TYPICAL WALL MOUNTED J-HOOK DETAIL
SCALE: NTS



NOTE:

1. MOUNT J-HOOKS SUCH THAT CABLE IS A MINIMUM OF 3" ABOVE FINISHED CEILING.

1 TYPICAL STRUCTURE MOUNTED J-HOOK DETAIL
SCALE: NTS



NOTES:

1. EXTEND ALL CONDUIT INTO ACCESSIBLE CEILING SPACE. INSTALL ELBOW FACING TOWARDS CABLE TRAY. REAM AND BUSH ALL CONDUIT ENDS TO PREVENT CABLE DAMAGE DURING PULL. ROUTE CONDUIT DIRECTLY TO CABLE TRAY UNLESS ABOVE ACCESSIBLE LAY-IN CEILING.
2. IF PATHWAY GOES IN OR BELOW GROUND FLOOR SLAB, PROVIDE WITH CABLING SUITABLE FOR WET LOCATION INSTALLATIONS.
3. CONDUIT SIZES MAY NEED TO BE INCREASED DEPENDING ON TOTAL NUMBER OF CABLES INSTALLED. SEE CONDUIT SIZING CHART TO DETERMINE IF LARGER CONDUIT IS REQUIRED. SIZES INDICATED ARE MINIMUMS.

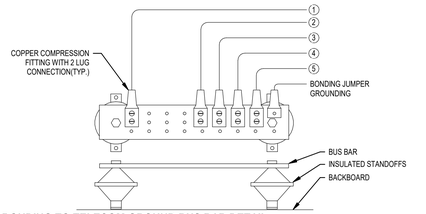
7 VOICE/DATA ROUGH-IN DETAIL
SCALE: NTS

NOTE:

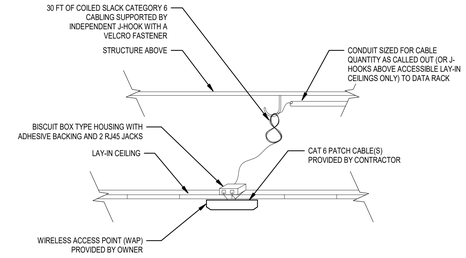
1. THE GROUND BUS BAR WILL BE PROVIDED AS PART OF THE BASE PROJECT.
2. THIS DETAIL SHOWS WHAT IS TYPICAL TO BOND TO THE GROUND BUS BAR IN EACH COMMUNICATIONS CLOSET OR DISTRIBUTION ROOM.
3. PROVIDE CONNECTION TO GROUND BUS BAR WITH DOUBLE HOLE TERMINAL BLOCKS.
4. PROVIDE GROUND WIRE ACCORDING TO GROUND WIRE LENGTH CHART.
5. PROVIDE GREEN STRANDED GROUND CONDUCTORS WITH SIZES AS INDICATED.

KEYED NOTES:

1. 6 AWG OR LARGER BONDING CONDUCTOR TO EACH CONDUIT, WATER PIPE, AND DUCT ENTERING ROOM.
2. 6 AWG OR LARGER BONDING CONDUCTOR TO EACH COMPUTER OR TELECOMMUNICATIONS CABINET, RACK, OR FRAME. DO NOT BOND RACKS, CABINETS, AND FRAMES SERIALLY.
3. 6 AWG OR LARGER BONDING CONDUCTOR TO EACH LADDER, CABLE TRAY, AND CABLE WIREWAY IN OR ENTERING THE ROOM.
4. 4 AWG OR LARGER BONDING CONDUCTOR TO EXPOSED BUILDING STEEL IN THE ROOM.
5. 6 AWG OR LARGER BONDING CONDUCTOR TO HVAC EQUIPMENT.



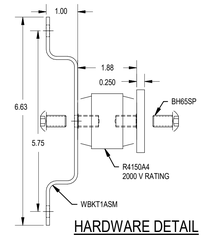
6 BONDING TO TELECOM GROUND BUS BAR DETAIL
SCALE: NTS



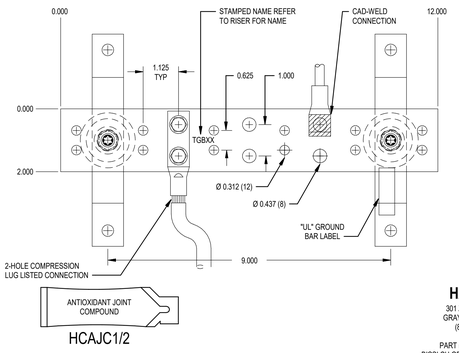
5 HARD LID DROPPED CEILING MOUNTED WAP DETAIL
SCALE: NTS

NOTES:

1. SUPPORT FROM WALL 12 INCHES ABOVE FINISHED GRADE, UNLESS NOTED OTHERWISE.
2. PROVIDE IN EACH TELECOMMUNICATIONS ROOM.
3. EXTEND BONDING CONDUCTOR BACK TO 'TMGB' AND CONNECT TO TELECOMMUNICATIONS BONDING BACKBONE.
4. SEE SPECIFICATION SECTION 260452 FOR DETAILS. PROVIDE MANUFACTURER AND PART NUMBER INDICATED OR APPROVED EQUIVALENT.



HARDWARE DETAIL



HCAJC1/2

HARGER
301 ZIEGLER DRIVE
GRAYSLAKE, IL 60030
(847) 548-8700

PART NO. GBI14212TGB
BICSI CU GROUND BAR ASSEMBLY

8 TELECOMMUNICATIONS GROUNDING BUS BAR - TGB
SCALE: NTS

MHTN ARCHITECTS
MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
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ENVISION ENGINEERING
240 E. MORRIS AVE. SUITE 200
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P. (801) 534-1130
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PARK CITY SCHOOL DISTRICT

TREASURE MOUNTAIN SPORTS COMPLEX

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SEAL

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MHTN PROJECT NO. 2017559

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REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

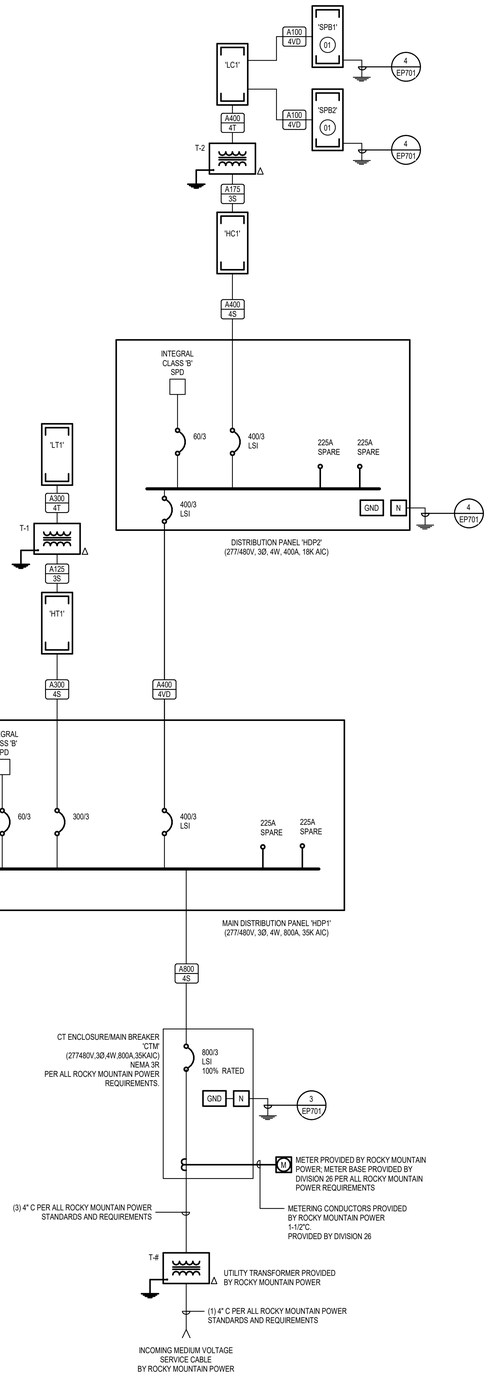
NO	DATE	DESCRIPTION

ISSUE
BID SET #1
MAY 12, 2025

SHEET NAME
DATA DETAILS

SHEET NUMBER
EP602

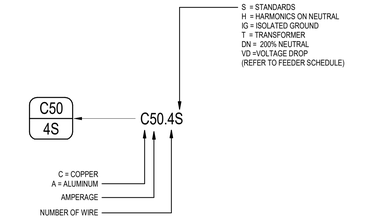
RETURN TO SHEET INDEX



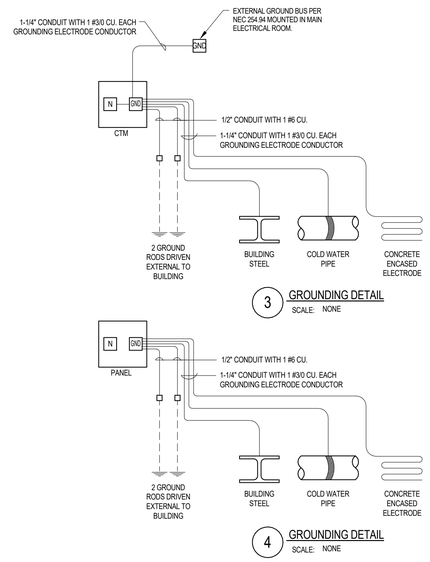
1 ONE-LINE DIAGRAM
SCALE: **12" = 1'-0"**

FEEDER SCHEDULE

FEEDER	TYPE	# OF SETS	CONDUIT DIAMETER	CONDUCTOR #	CONDUCTOR SIZE	EQ GND COND	ISOLATED GROUND	SYSTEM BONDING
A100	4VD	1	3	4	250	4	-	-
A125	3S	1	2	3	2/0	6	-	-
A175	3S	1	2	3	4/0	6	-	-
A300	4S	1	3-1/2	4	500	4	-	-
A300	4T	1	3-1/2	4	500	-	-	2
A400	4S	2	2-1/2	4	250	3	-	-
A400	4T	2	2-1/2	4	250	-	-	1/0
A400	4VD	2	3	4	300	2	-	-
A800	4S	4	2-1/2	4	250	1/0	-	-



2 FEEDER DETAIL
SCALE: NTS



3 GROUNDING DETAIL
SCALE: NONE

4 GROUNDING DETAIL
SCALE: NONE

Service XFMR	Line-to-Line Secondary Voltage "E1"	Available Let-thru short-circuit Current Fault Current at Sec. of XFMR I(S.C) = I(f.l.) x M	KVA		%Z	FLA of "Xfmr" I(f.l.) = KVA x 1000 / E1 x √3	M = 100 / %Z
UT-1	480	16023	750		5.63	902	17.76

Panel Name	Feeder Length in Feet "L"	Upstream Available Fault Current "I(s.c.)" (Amps)	Wire Size	Cable Type (1/C, 3/C)	Wire Type (CU or AL)	Conduit Type	Constant C (Based on Wire and Conduit) "C"	Line-to-Line Voltage "E1"	Number of Parallel Conductors "n"	F = √3 x L x I(s.c.) / n x C x E1	M = 1 / 1 + F	Available Fault Current at Panel = M x I(s.c.)	Panel Shall be Full or Series Rated	SUGGESTED AIC RATING (AMPS)
CTM	54	16023	250	1/C	AL	PVC	12862	480	4	0.0607	0.9428	15,106	Full	18,000
HDP1	11	15108	250	1/C	AL	PVC	12862	480	4	0.0117	0.9885	14,932	Full	18,000
HT1	9	14932	500	1/C	AL	EMT	18756	480	1	0.0259	0.9748	14,556	Full	18,000
LT1	9	12819	500	1/C	AL	EMT	18756	208	1	0.0512	0.9513	12,195	Full	18,000
HDP2	322	14932	300	1/C	AL	PVC	14923	480	2	0.5813	0.6324	9,443	Full	14,000
HC1	10	9443	250	1/C	AL	EMT	12122	480	2	0.0141	0.9861	9,312	Full	14,000
LC1	9	12659	250	1/C	AL	EMT	12122	208	2	0.0391	0.9623	12,182	Full	18,000
SPB1	282	12182	250	1/C	AL	PVC	12862	208	1	2.2241	0.3102	3,778	Full	10,000
SPB2	282	12182	250	1/C	AL	PVC	12862	208	1	2.2241	0.3102	3,778	Full	10,000

TRANSFORMER SCHEDULE

NAME	KVA	WINDING MATERIAL	PRIMARY VOLTAGE	PRIMARY CONNECTION	SECONDARY VOLTAGE	SECONDARY CONNECTION	GROUNDING ELECTRODE CONDUCTOR SIZE	GROUNDING ELECTRODE CONDUCTOR TYPE	GROUNDING ELECTRODE CONDUCTOR K FACTOR	ELECTRO-STATIC SHIELD	MIN EFFECIENCY RATING	MOUNTING	NEMA RATING	REMARKS
T-1	75	ALUMINUM	480 V	DELTA	208/120	WYE	#2	CU	K1	NO	CSL-3	FLOOR	NEMA 1	
T-2	112.5	ALUMINUM	480 V	DELTA	208/120	WYE	#1/0	CU	K1	NO	CSL-3	FLOOR	NEMA 1	

GENERAL ONE-LINE NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL VERIFY THE AVAILABLE FAULT CURRENT WITH THE OWNER PRIOR TO BIDDING AND PROVIDE EQUIPMENT RATING ACCORDINGLY. SUBMIT FAULT CURRENT CALCULATIONS WITH SHOP DRAWINGS SUBMITTAL.
2. PROVIDE FULL LENGTH VERTICAL BUSSING IN ALL SWITCHBOARDS, DISTRIBUTION PANELBOARDS, AND PANELBOARDS.
3. COORDINATE SPACE WITH ALL OTHER TRADES TO MAINTAIN ALL CODE-REQUIRED CLEARANCES.

SELECTIVE COORDINATION REQUIREMENTS:

A. CONTRACTOR SHALL PROVIDE ALL OF THE FOLLOWING FOR EMERGENCY, LEGALLY REQUIRED STANDBY, OPTIONAL STANDBY, AND NORMAL POWER SYSTEMS:
   a. FAULT CURRENT ANALYSIS.
   b. ARC-FLASH STUDY.
   c. SELECTIVE COORDINATION STUDY AND SETTINGS OF ALL ADJUSTABLE TRIP OVERCURRENT PROTECTION DEVICES.

B. THE POWER SYSTEMS MUST BE SELECTIVELY COORDINATED (DOWN TO THE SMALLEST OVERCURRENT PROTECTIVE DEVICE) TO THE FOLLOWING LEVELS:
   a. EMERGENCY SYSTEM TO 0.1 SECONDS
   b. LEGALLY REQUIRED SYSTEM TO 0.1 SECONDS
   c. OPTIONAL STANDBY SYSTEM TO 1 SECOND
   d. NORMAL POWER SYSTEM TO EXTENT POSSIBLE

C. CONTRACTOR SHALL PROVIDE ELECTRONIC SOLID STATE ADJUSTABLE TRIP (LSI) CIRCUIT BREAKERS, AND/OR CIRCUIT BREAKERS WITH LARGER FRAME SIZES AS NECESSARY TO ENSURE PROPER SELECTIVE COORDINATION. REFER TO SPECIFICATIONS FOR ADDITIONAL SELECTIVE COORDINATION REQUIREMENTS ON EMERGENCY, LEGALLY REQUIRED STANDBY, AND OPTIONAL STANDBY POWER SYSTEMS.

D. A PRELIMINARY SELECTIVE COORDINATION STUDY AND DEVICE SETTINGS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL. NO ELECTRICAL EQUIPMENT SUBMITTAL SHALL BE SUBMITTED FOR APPROVAL PRIOR TO SUBMITTING THE PRELIMINARY SELECTIVE COORDINATION STUDY AND DEVICE SETTINGS OF THE PROPOSED ELECTRICAL DISTRIBUTION EQUIPMENT AND ASSOCIATED OVERCURRENT DEVICES. THE STUDY SHALL BE SUBMITTED FOR REVIEW BY THE ELECTRICAL ENGINEER AND OWNER TO ENSURE CONFORMANCE TO THE CONSTRUCTION DOCUMENTS. NO ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE RELEASED UNTIL THE SELECTIVE COORDINATION STUDY SHOWS PROPER COORDINATION OF ALL SYSTEM ELEMENTS.

E. AT THE END OF THE PROJECT A COMPLETE FAULT CURRENT, ARC-FLASH, AND SELECTIVE COORDINATION STUDY SHALL BE SUBMITTED FOR REVIEW. NO ARC FLASH LABELS SHALL BE APPLIED TO ANY EQUIPMENT UNTIL THE STUDY IS REVIEWED AND ACCEPTED.

F. ONCE PRELIMINARY SELECTIVE COORDINATION STUDY IS COMPLETED, THE WITHSTAND RATING FOR THE AUTOMATIC TRANSFER SWITCHES (ATS) SHALL BE COORDINATED WITH THE SPECIFIC BREAKERS FEEDING ATS THAT ARE PROVIDED.

G. CONTRACTOR SHALL ADJUST PROTECTIVE DEVICE SETTINGS ACCORDING TO RECOMMENDED SETTINGS PROVIDED BY THE FINAL COORDINATION STUDY. FIELD ADJUSTMENTS SHALL BE COMPLETED BEFORE THE PUNCH LIST WALKTHROUGH.

FEEDER GENERAL NOTES:

1. CONTRACTOR SHALL REVIEW ONE-LINE DIAGRAM AND CONFIRM FEEDER WIRE SIZES. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER PRIOR TO BID. IF DISCREPANCIES EXIST, CONTRACTOR SHALL PROVIDE CORRECT WIRE SIZE BASED ON ACTUAL BREAKER SIZE AND ANY VOLTAGE DROP ADJUSTMENTS. SEE NEC 210.19, 215.2, 250.112, AND 310,15.
2. ALL GROUNDING WIRES SHOWN IN FEEDER SCHEDULE ARE COPPER WIRES.
3. ALL SYSTEM BONDING JUMPER CONDUCTORS SHOWN ARE TO BE RUN IN EACH PARALLEL FEEDER SET

KEYED NOTES (#)

01 ELECTRICAL PANEL IS PROVIDED WITH THE SOCCER PRESS BOX. CONFIRM ALL CONNECTION REQUIREMENTS AND EXACT LOCATION WITH THE PRESS BOX INSTALLER PRIOR TO ANY ROUGH-IN.

MHTN ARCHITECTS
MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
www.mhtn.com

ENVISION ENGINEERING
240 E. MORRIS AVE. SUITE 200
SALT LAKE CITY, UT 84115
P. (801) 534-1130
www.envisioneng.com
ENV:2025-041.00

PARK CITY SCHOOL DISTRICT

TREASURE MOUNTAIN SPORTS COMPLEX

1750 KEARNS BLVD
PARK CITY, UT 84060

SEAL

REGISTERED PROFESSIONAL ENGINEER
DAVID P. WHITTON
No.264397
STATE OF UTAH
2025/05/12

MHTN PROJECT NO. 2017559

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO △	DATE	DESCRIPTION

ISSUE
BID SET #1
MAY 12, 2025

SHEET NAME
ONE-LINE DIAGRAM

SHEET NUMBER
EP701

RETURN TO SHEET INDEX

DISTRIBUTION BOARD LOAD SUMMARY

BOARD NAME: HDP1

VOLTAGE: 480/277 Wye
PHASE: 3
WIRES: 4

CKT#	LOAD DESCRIPTION	A	B	C	LOAD AMP	KEYED NOTE
1	PANEL 'HT1'	60.77 kVA	62.34 kVA	65.11 kVA	226 A	
2	PANEL 'HDP2'	89.78 kVA	85.43 kVA	89.75 kVA	319 A	
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
	TOTAL CONNECTED LOAD:	150545 VA	147770 VA	154860 VA		
	TOTAL CONNECTED CURRENT:	545 A	533 A	561 A		

TYPE	LOAD CLASSIFICAITON	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
P	PANEL	0 VA	0.00%	0 VA
R	RECEPTACLE	31164 VA	66.04%	20582 VA
L	LIGHTING	270436 VA	125.00%	338044 VA
C	CONTINUOUS	0 VA	0.00%	0 VA
E	EQUIPMENT	69160 VA	100.00%	69160 VA
M	Motor	75515 VA	101.76%	76841 VA
K	KITCHEN	6900 VA	70.00%	4830 VA
O	Other	0 VA	0.00%	0 VA

DISTRIBUTION BOARD TOTALS

TOTAL CONNECTED LOAD: 453175 VA
25% OF LARGEST MOTOR:
TOTAL ESTIMATED DEMAND LOAD: 509458 VA
TOTAL CONNECTED CURRENT: 545 A
TOTAL ESTIMATED DEMAND CURRENT: 613 A

KEYED NOTES:

DISTRIBUTION BOARD LOAD SUMMARY

BOARD NAME: HDP2

VOLTAGE: 480/277 Wye
PHASE: 3
WIRES: 4

CKT#	LOAD DESCRIPTION	A	B	C	LOAD AMP	KEYED NOTE
1	PANEL 'HC1'	89.78 kVA	85.43 kVA	89.75 kVA	319 A	
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
	TOTAL CONNECTED LOAD:	89776 VA	85428 VA	89752 VA		
	TOTAL CONNECTED CURRENT:	327 A	308 A	326 A		

TYPE	LOAD CLASSIFICAITON	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
P	PANEL	0 VA	0.00%	0 VA
R	RECEPTACLE	13380 VA	87.37%	11690 VA
L	LIGHTING	144235 VA	125.00%	180293 VA
C	CONTINUOUS	0 VA	0.00%	0 VA
E	EQUIPMENT	66140 VA	100.00%	66140 VA
M	Motor	34302 VA	102.41%	35128 VA
K	KITCHEN	6900 VA	70.00%	4830 VA
O	Other	0 VA	0.00%	0 VA

DISTRIBUTION BOARD TOTALS

TOTAL CONNECTED LOAD: 264956 VA
25% OF LARGEST MOTOR:
TOTAL ESTIMATED DEMAND LOAD: 298082 VA
TOTAL CONNECTED CURRENT: 319 A
TOTAL ESTIMATED DEMAND CURRENT: 359 A

KEYED NOTES:

PANELBOARD SCHEDULE

PANEL NAME: HT1

MOUNTING: SURFACE
ENCLOSURE: NEMA 1
DOOR TYPE: DOOR-IN-DOOR
VOLTAGE: 480/277 Wye
PHASE: 3
WIRES: 4
Min. A.I.C. RATING: 35K
LOCATION: STORAGE C132
MAIN TYPE: MLO
BUS RATING: 400 A
MCB RATING: NONE
BUS MATERIAL: ALUMINUM
FEED FROM: HDP1
SPD: CAT A
NEUTRAL RATING: 100%
ISOLATED GROUND: NONE

BRANCH BREAKERS

KEYED NOTE	CIRCUIT DESCRIPTION	AMP	POLE	LOAD TYPE	CKT #	A		B		C		CKT #	LOAD TYPE	POLE	AMP	CIRCUIT DESCRIPTION	KEYED NOTE
	PARKING LIGHTING - NORTH	20 A	1	L	1	855 VA	2771 VA					2	L	3	30 A	TENNIS WST COURT NTH LTG	
	OUTSIDE TREASURE LIGHTING	20 A	1	L	3			108 VA	2771 VA			4	--	--	--	--	--
	TREASURE SUPPORT LTG	20 A	1	L	5					8718 VA	2771 VA	6	--	--	--	--	--
	PANEL "LCPT"	20 A	1	E	7	500 VA	2771 VA					8	L	3	30 A	TENNIS WST COURT NTH LTG	
	-SPARE-	20 A	1	--	9			0 VA	2771 VA			10	--	--	--	--	--
	-SPARE-	20 A	1	--	11					0 VA	2771 VA	12	--	--	--	--	--
	SOCCER NTH FIELD STH LTG	30 A	3	L	13	2771 VA	2771 VA					14	L	3	30 A	TENNIS WST COURT STH LTG	
--	--	--	--	--	15			2771 VA	2771 VA			16	--	--	--	--	--
--	--	--	--	--	17					2771 VA	2771 VA	18	--	--	--	--	--
	SOCCER NTH FIELD STH LTG	30 A	3	L	19	2771 VA	2771 VA					20	L	3	30 A	TENNIS EST COURT STH LTG	
--	--	--	--	--	21			2771 VA	2771 VA			22	--	--	--	--	--
--	--	--	--	--	23					2771 VA	2771 VA	24	--	--	--	--	--
	SOCCER STH FIELD NTH LTG	30 A	3	L	25	2771 VA	2771 VA					26	L	3	30 A	TENNIS EST COURT NTH LTG	
--	--	--	--	--	27			2771 VA	2771 VA			28	--	--	--	--	--
--	--	--	--	--	29					2771 VA	2771 VA	30	--	--	--	--	--
	SOCCER STH FIELD NTH LTG	30 A	3	L	31	2771 VA	2771 VA					32	L	3	30 A	TENNIS EST COURT STH LTG	
--	--	--	--	--	33			2771 VA	2771 VA			34	--	--	--	--	--
--	--	--	--	--	35					2771 VA	2771 VA	36	--	--	--	--	--
	SOCCER STH FIELD STH LTG	30 A	3	L	37	2771 VA	2771 VA					38	L	3	30 A	SOCCER NTH FIELD NTH LTG	
--	--	--	--	--	39			2771 VA	2771 VA			40	--	--	--	--	--
--	--	--	--	--	41					2771 VA	2771 VA	42	--	--	--	--	--
	SOCCER STH FIELD STH LTG	30 A	3	L	43	2771 VA	2771 VA					44	L	3	30 A	SOCCER NTH FIELD NTH LTG	
--	--	--	--	--	45			2771 VA	2771 VA			46	--	--	--	--	--
--	--	--	--	--	47					2771 VA	2771 VA	48	--	--	--	--	--
	TRANSFORMER T-1	125 A	3	M;...	49	20616...	0 VA					50	--	1	20 A	-SPARE-	
--	--	--	--	--	51			23436...	0 VA			52	--	1	20 A	-SPARE-	
--	--	--	--	--	53					17592...	0 VA	54	--	1	20 A	-SPARE-	
	-SPARE-	20 A	1	--	55	0 VA	0 VA					56	--	1	20 A	-SPARE-	
	-SPARE-	20 A	1	--	57			0 VA	0 VA			58	--	1	20 A	-SPARE-	
	-SPARE-	20 A	1	--	59					0 VA	0 VA	60	--	1	20 A	-SPARE-	

	A	B	C
TOTAL CONNECTED LOAD PER PHASE (VA)	60769 VA	62342 VA	65108 VA
TOTAL CONNECTED CURRENT PER PHASE (AMPS)	219 A	226 A	236 A

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
EQUIPMENT	3020 VA	100.00%	3020 VA		
LIGHTING	126201 VA	125.00%	157751 VA	**Total Conn. Load:**	188218 VA
Motor	41214 VA	103.22%	42540 VA	**25% OF LARGEST MOTOR:**	
RECEPTACLE	17784 VA	78.12%	13892 VA	**Total Est. Demand:**	217203 VA
				Total Conn. Current:	226 A
				Total Est. Demand Current:	261 A

PANELBOARD SCHEDULE

PANEL NAME: HC1

MOUNTING: SURFACE
ENCLOSURE: NEMA 1
DOOR TYPE: DOOR-IN-DOOR
VOLTAGE: 480/277 Wye
PHASE: 3
WIRES: 4
Min. A.I.C. RATING: 18K
LOCATION: STORAGE D111
MAIN TYPE: MLO
BUS RATING: 400 A
MCB RATING: NONE
BUS MATERIAL: ALUMINUM
FEED FROM: HDP2
SPD: CAT A
NEUTRAL RATING: 100%
ISOLATED GROUND: NONE

BRANCH BREAKERS

KEYED NOTE	CIRCUIT DESCRIPTION	AMP	POLE	LOAD TYPE	CKT #	A		B		C		CKT #	LOAD TYPE	POLE	AMP	CIRCUIT DESCRIPTION	KEYED NOTE
	PARKING LIGHTING - SOUTH	20 A	1	L	1	1125 VA	2771 VA					2	L	3	30 A	BASEBALL STH WST FEILD LTG	
	OUTDOOR PRESS BOX LTG	20 A	1	L	3			106 VA	2771 VA			4	--	--	--	--	--
	INDOOR PRESS BOX LTG	20 A	1	L	5					2742 VA	2771 VA	6	--	--	--	--	--
	INDOOR DUGOUT'S LTG	20 A	1	L	7	2224 VA	4157 VA					8	L	3	30 A	BASEBALL MID FIELD LTG	
	PANEL 'LCPC'	20 A	1	E	9			500 VA	4157 VA			10	--	--	--	--	--
	-SPARE-	20 A	1	--	11					0 VA	4157 VA	12	--	--	--	--	--
	-SPARE-	20 A	1	--	13	0 VA	2771 VA					14	L	3	30 A	BASEBALL NTH FILED LTG	
	-SPARE-	20 A	1	--	15			0 VA	2771 VA			16	--	--	--	--	--
	-SPARE-	20 A	1	--	17					0 VA	2771 VA	18	--	--	--	--	--
	-SPARE-	20 A	1	--	19	0 VA	2771 VA					20	L	3	30 A	BASEBALL NTH MID FIELD LTG	
	-SPARE-	20 A	1	--	21			0 VA	2771 VA			22	--	--	--	--	--
	-SPARE-	20 A	1	--	23					0 VA	2771 VA	24	--	--	--	--	--
	-SPARE-	20 A	1	--	25	0 VA	2771 VA					26	L	3	30 A	BASEBALL STH MID FIELD LTG	
	-SPARE-	20 A	1	--	27			0 VA	2771 VA			28	--	--	--	--	--
	-SPARE-	20 A	1	--	29					0 VA	2771 VA	30	--	--	--	--	--
	-SPARE-	20 A	1	--	31	0 VA	2771 VA					32	L	3	30 A	BASEBALL STH FIELD LTG	
	-SPARE-	20 A	1	--	33			0 VA	2771 VA			34	--	--	--	--	--
	-SPARE-	20 A	1	--	35					0 VA	2771 VA	36	--	--	--	--	--
	SOFTBALL NTH WST FIELD LTG	30 A	3	L	37	6651 VA	4157 VA					38	L	3	30 A	BASEBALL MID FIELD LTG	
--	--	--	--	--	39			6651 VA	4157 VA			40	--	--	--	--	--
--	--	--	--	--	41					6651 VA	4157 VA	42	--	--	--	--	--
	SOFTBALL MID FIELD LTG	30 A	3	L	43	8868 VA	5543 VA					44	L	3	30 A	BASEBALL STH EST FIELD LTG	
--	--	--	--	--	45			8868 VA	5543 VA			46	--	--	--	--	--
--	--	--	--	--	47					8868 VA	5543 VA	48	--	--	--	--	--
	SOFTBALL STH EST FIELD LTG	30 A	3	L	49	2771 VA	40424...					50	M;...	3	175 A	TRANSFORMER T-2	
--	--	--	--	--	51			2771 VA	38819...			52	--	--	--	--	--
--	--	--	--	--	53					2771 VA	41006...	54	--	--	--	--	--

	A	B	C
TOTAL CONNECTED LOAD PER PHASE (VA)	89776 VA	85428 VA	89752 VA
TOTAL CONNECTED CURRENT PER PHASE (AMPS)	327 A	308 A	326 A

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
EQUIPMENT	66140 VA	100.00%	66140 VA		
KITCHEN	6900 VA	70.00%	4830 VA	**Total Conn. Load:**	264956 VA
LIGHTING	144235 VA	125.00%	180293 VA	**25% OF LARGEST MOTOR:**	
Motor	34302 VA	102.41%	35128 VA	**Total Est. Demand:**	298082 VA
RECEPTACLE	13380 VA	87.37%	11690 VA	**Total Conn. Current:**	319 A
				Total Est. Demand Current:	359 A

MECHANICAL EQUIPMENT SCHEDULE

UNIT NAME		DESCRIPTION	ELECTRICAL INPUT				AMPS	FEEDER					NOTE	STARTER/DISCONNECT/CONNECTION TO UNIT					ENCLOSURE	REMARKS
										WIRE					OCP		DISCONNECT			
TYPE	No.		LOAD	TYPE	VOLTS	PHASE		QTY	CONDUIT SIZE	QTY	SIZE	EQPT GND		STARTER SIZE	SIZE	POLE	SIZE	POLE		
AC	1	HEAT PUMP (OUTDOOR UNIT)	13	MCA	208 V	1	13 A	1	3/4"	2	12	12	10A	-	20	2	30	2	NEMA 3R	
AC	1.1	HEAT PUMP (INDOOR UNIT)	1	MCA	208 V	1	1 A	1	3/4"	2	12	12	12A	-	-	-	-	-	NEMA 1	POWERED FROM OUTDOOR UNIT
AC	2	HEAT PUMP (OUTDOOR UNIT)	13	MCA	208 V	1	13 A	1	3/4"	2	12	12	10A	-	20	2	30	2	NEMA 3R	
AC	2.1	HEAT PUMP (INDOOR UNIT)	1	MCA	208 V	1	1 A	1	3/4"	2	12	12	12A	-	-	-	-	-	NEMA 1	POWERED FROM OUTDOOR UNIT
CP	1	CIRCULATION PUMP	0.1667	HP	120 V	1	4.4 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1	
CP	2	CIRCULATION PUMP	0.1667	HP	120 V	1	4.4 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1	
CU	1	CONDENSING UNIT	10	MCA	208 V	1	10 A	1	3/4"	2	12	12	10A	-	20	2	30	2	NEMA 3R	
CU	2	CONDENSING UNIT	25.5	MCA	208 V	1	25.5 A	1	3/4"	2	8	10	10A	-	40	2	60	2	NEMA 3R	
CU	3	CONDENSING UNIT	20.9	MCA	208 V	1	20.9 A	1	3/4"	2	8	10	10A	-	35	2	60	2	NEMA 3R	
CU	4	CONDENSING UNIT	25.5	MCA	208 V	1	25.5 A	1	3/4"	2	8	10	10A	-	40	2	60	2	NEMA 3R	
CU	5	CONDENSING UNIT	20.9	MCA	208 V	1	20.9 A	1	3/4"	2	8	10	10A	-	35	2	60	2	NEMA 3R	
CU	6	CONDENSING UNIT	10	MCA	208 V	1	10 A	1	3/4"	2	12	12	10A	-	20	2	30	2	NEMA 3R	
CU	7	CONDENSING UNIT	13.6	MCA	208 V	1	13.6 A	1	3/4"	2	12	12	10A	-	20	2	30	2	NEMA 1	
CU	8	CONDENSING UNIT	13.6	MCA	208 V	1	13.6 A	1	3/4"	2	12	12	10A	-	20	2	30	2	NEMA 1	
EF	1	EXHAUST FAN	0.125	HP	120 V	1	4.4 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1	SWITCH WITH LIGHTS
EF	2	EXHAUST FAN	0.125	HP	120 V	1	4.4 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1	SWITCH WITH LIGHTS
EF	3	EXHAUST FAN	0.125	HP	120 V	1	4.4 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1	SWITCH WITH LIGHTS
EF	4	EXHAUST FAN	0.125	HP	120 V	1	4.4 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1	SWITCH WITH LIGHTS
EF	5	EXHAUST FAN	0.24	KVA	120 V	1	2 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1	
EF	6	EXHAUST FAN	0.25	HP	120 V	1	5.8 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1	
EF	7	EXHAUST FAN	0.24	KVA	120 V	1	2 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1	
EF	8	EXHAUST FAN	0.25	HP	120 V	1	5.8 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1	
EF	9	EXHAUST FAN	0.33	HP	120 V	1	7.2 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1	
EF	10	EXHAUST FAN	0.33	HP	120 V	1	7.2 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1	
EF	11	EXHAUST FAN	0.24	KVA	120 V	1	2 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1	
EF	12	EXHAUST FAN	0.1667	HP	120 V	1	4.4 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1	
EF	13	EXHAUST FAN	0.24	KVA	120 V	1	2 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1	SWITCH WITH LIGHTS
EF	14	EXHAUST FAN	0.33	HP	120 V	1	7.2 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1	
EF	15	EXHAUST FAN	0.24	KVA	120 V	1	2 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1	SWITCH WITH LIGHTS
EF	16	EXHAUST FAN	0.24	KVA	120 V	1	2 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1	SWITCH WITH LIGHTS
EF	17	EXHAUST FAN	0.24	KVA	120 V	1	2 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1	SWITCH WITH LIGHTS
EH	1	ELECTRIC WALL HEATER	4.8	FLA	208 V	1	4.8 A	1	3/4"	2	12	12	12A	-	-	-	-	-	NEMA 1	DISCONNECT BY MECHANICAL
EUH	1	ELECTRIC UNIT HEATER	15.9	FLA	208 V	1	15.9 A	1	3/4"	2	12	12	12A	-	-	-	-	-	NEMA 1	DISCONNECT BY MECHANICAL
F	1	FURNACE	10.1	FLA	120 V	1	10.1 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1	
F	2	FURNACE	10.1	FLA	120 V	1	10.1 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1	
F	3	FURNACE	10.1	FLA	120 V	1	10.1 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1	
F	4	FURNACE	10.1	MCA	120 V	1	10.1 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1	
F	5	FURNACE	10.1	FLA	120 V	1	10.1 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1	
F	6	FURNACE	10.1	FLA	120 V	1	10.1 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1	
F	7	FURNACE	10.1	FLA	120 V	1	10.1 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1	
F	8	FURNACE	10.1	FLA	120 V	1	10.1 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1	
GUH	1	GAS UNIT HEATER	0.03	HP	120 V	1	4.4 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1	
GUH	2	GAS UNIT HEATER	0.03	HP	120 V	1	4.4 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1	
WH	1	WATER HEATER, GAS FIRED	5	FLA	120 V	1	5 A	1	3/4"	2	12	12	14A	-	20	1	30	1	NEMA 1	
WH	2	WATER HEATER, GAS FIRED	5	FLA	120 V	1	5 A	1	3/4"	2	12	12	14A	-	20	1	30	1	NEMA 1	

PANELBOARD SCHEDULE

PANEL NAME: LT1

MOUNTING: SURFACE
ENCLOSURE: NEMA 1
DOOR TYPE: DOOR-IN-DOOR
VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4
Min. A.I.C. RATING: 22K
LOCATION: STORAGE C132
MAIN TYPE: MCB
BUS RATING: 400 A
MCB RATING: 300 A
BUS MATERIAL: ALUMINUM
FEED FROM: T-1
SPD: NONE
NEUTRAL RATING: 100%
ISOLATED GROUND: NONE

BRANCH BREAKERS

KEYED NOTE	CIRCUIT DESCRIPTION	AMP	POLE	LOAD TYPE	CKT #	A		B		C		CKT #	LOAD TYPE	POLE	AMP	CIRCUIT DESCRIPTION	KEYED NOTE
	TEAM ROOM (30) A102 C.O.	20 A	1	CO	1	1260 VA	1212 VA					2	M	1	20 A	FURNACE F-1	
	RM A103, A106, A107, A110 C.O.	20 A	1	CO	3			1260 VA	1212 VA			4	M	1	20 A	FURNACE F-2	
	TEAM ROOM (50) A109 C.O.	20 A	1	CO	5					1080 VA	1212 VA	6	M	1	20 A	FURNACE F-3	
	TEAM ROOM (30) A114 C.O.	20 A	1	CO	7	1080 VA	1212 VA					8	M	1	20 A	FURNACE F-4	
	RM A115, A118, A119, A122 C.O.	20 A	1	CO	9			720 VA	1212 VA			10	M	1	20 A	FURNACE F-5	
	TEAM ROOM (50) A121 C.O.	20 A	1	CO	11					1260 VA	528 VA	12	M	1	20 A	UNIT HEATER GHU-1	
	RM'S A127 - A131 C.O.	20 A	1	CO	13	1080 VA	528 VA					14	M	1	20 A	EXHAUST FAN EF-1	
	TRAINING A126 COUNTER C.O.	20 A	1	CO	15			540 VA	528 VA			16	M	1	20 A	EXHAUST FAN EF-2	
	TRAINING A126 STH WALL C.O.	20 A	1	CO	17					540 VA	528 VA	18	M	1	20 A	EXHAUST FAN EF-3	
	TRAINING THERAPY TUB C.O.	20 A	1	CO	19	744 VA	240 VA					20	M	1	20 A	EXHAUST FAN EF-5	
	TRAINING WHIRPOOL C.O.	20 A	1	CO	21			960 VA	696 VA			22	M	1	20 A	EXHAUST FAN EF-6	
	TRAINING WHIRPOOL C.O.	20 A	1	CO	23					960 VA	240 VA	24	M	1	20 A	EXHAUST FAN EF-7	
	TRAINING WHIRPOOL C.O.	20 A	1	CO	25	960 VA	696 VA					26	M	1	20 A	EXHAUST FAN EF-8	
	TRAINING ICE MACHINE C.O.	20 A	1	CO	27			1560 VA	1040 VA			28	M	2	20 A	CONDENSING UNIT CU-1	
	STORAGE A132 C.O.	20 A	1	CO	29					1080 VA	1040 VA	30	--	--	--	--	--
	STORAGE NTH OVERHEAD DR	30 A	1	M	31	1920 VA	2652 VA					32	M	2	40 A	CONDENSING UNIT CU-2	
	STORAGE STH OVERHEAD DR	30 A	1	M	33			1920 VA	2652 VA			34	--	--	--	--	--
	DATA RACK C.O.	20 A	1	CO	35					360 VA	2174 VA	36	M	2	35 A	CONDENSING UNIT CU-3	
	CHASE A127, A119, A107 LTG	20 A	1	L	37	126 VA	2174 VA					38	--	--	--	--	--
	CIRCULATION PUMP CP-1	20 A	1	M	39			1128 VA	2652 VA			40	M	2	40 A	CONDENSING UNIT CU-4	
	WALL HEATER EH-1	20 A	2	M	41					499 VA	2652 VA	42	--	--	--	--	--
--	--	--	--	--	43	499 VA	2174 VA					44	M	2	35 A	CONDENSING UNIT CU-5	
	WALL HEATER EH-1	20 A	2	M	45			499 VA	2174 VA			46	--	--	--	--	--
--	--	--	--	--	47					499 VA	900 VA	48	CO	1	20 A	ROOF C.O.	
	WALL HEATER EH-1	20 A	2	M	49	499 VA	240 VA					50	M	1	20 A	EXHAUST FAN EF-11	
--	--	--	--	--	51			499 VA	864 VA			52	M	1	20 A	EXHAUST FAN EF-14	
	TENIS COURT EAST C.O.	20 A	1	CO	53					360 VA	600 VA	54	E	1	20 A	TREASURE WATER COOLER	1
	TENIS COURT MID EAST C.O.	20 A	1	CO	55	360 VA	0 VA					56	--	1	20 A	-SPARE-	
	TENIS COURT MID WEST C.O.	20 A	1	CO	57			360 VA	0 VA			58	--	1	20 A	-SPARE-	
	TENIS COURT WEST C.O.	20 A	1	CO	59					360 VA	0 VA	60	--	1	20 A	-SPARE-	
	PANEL 'ACC1'	20 A	1	E	61	960 VA	0 VA					62	--	1	20 A	-SPARE-	
	SPORTS LTG CONTROL PANEL	20 A	1	E	63			960 VA	0 VA			64	--	1	20 A	-SPARE-	
	MOTOR	20 A	1	M	65					720 VA	0 VA	66	--	1	20 A	-SPARE-	
	-SPARE-	20 A	1	--	67	0 VA	0 VA					68	--	1	20 A	-SPARE-	
	-SPARE-	20 A	1	--	69			0 VA	0 VA			70	--	1	20 A	-SPARE-	
	-SPARE-	20 A	1	--	71					0 VA	0 VA	72	--	1	20 A	-SPARE-	

	A	B	C
TOTAL CONNECTED LOAD PER PHASE (VA)	20616 VA	23436 VA	17592 VA
TOTAL CONNECTED CURRENT PER PHASE (AMPS)	176 A	199 A	147 A

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
EQUIPMENT	2520 VA	100.00%	2520 VA		
LIGHTING	126 VA	125.00%	158 VA	**Total Conn. Load:**	61644 VA
Motor	41214 VA	103.22%	42540 VA	**25% OF LARGEST MOTOR:**	
RECEPTACLE	17784 VA	78.12%	13892 VA	**Total Est. Demand:**	59109 VA
				Total Conn. Current:	171 A
				Total Est. Demand Current:	164 A

PANELBOARD SCHEDULE

PANEL NAME: LC1

MOUNTING: SURFACE
ENCLOSURE: NEMA 1
DOOR TYPE: DOOR-IN-DOOR
VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4
Min. A.I.C. RATING: 22K
LOCATION: STORAGE D111
MAIN TYPE: MCB
BUS RATING: 400 A
MCB RATING: 400 A
BUS MATERIAL: ALUMINUM
FEED FROM: T-2
SPD: NONE
NEUTRAL RATING: 100%
ISOLATED GROUND: NONE

BRANCH BREAKERS

KEYED NOTE	CIRCUIT DESCRIPTION	AMP	POLE	LOAD TYPE	CKT #	A		B		C		CKT #	LOAD TYPE	POLE	AMP	CIRCUIT DESCRIPTION	KEYED NOTE
	CONCESSIONS MICROWAVE	20 A	1	K	1	1500 VA	1212 VA					2	M	1	20 A	FURNACE F-6	
	CONCESSIONS MICROWAVE	20 A	1	K	3			1500 VA	528 VA			4	M	1	20 A	UNIT HEATER GUH-2	
	CONCESSIONS MICROWAVE	20 A	1	K	5					1500 VA	528 VA	6	M	1	20 A	EXHAUST FAN EF-4	
	CONCESSIONS STH C.O.	20 A	1	CO	7	180 VA	768 VA					8	M	1	20 A	EXHAUST FANS EF-12, EF-13	
	CONCESSIONS STH MID C.O.	20 A	1	CO	9			180 VA	1128 VA			10	M	1	20 A	WATER HEATER WH-2	
	CONCESSIONS NTH MID C.O.	20 A	1	CO	11					180 VA	1654 VA	12	M	2	20 A	UNIT HEATER EUH-1	
	CONCESSIONS NTH C.O.	20 A	1	CO	13	180 VA	1654 VA					14	--	--	--	--	--
	CONCESSIONS REFRIGE C.O.	20 A	1	K	15			1200 VA	1040 VA			16	M	2	20 A	CONDENSING UNIT CU-6	
	CONCESSIONS REFRIGE C.O.	20 A	1	K	17					1200 VA	1040 VA	18	--	--	--	--	--
	CONCESSIONS NTH C.O.	20 A	1	CO	19	180 VA	1352 VA					20	M	2	20 A	SPLIT SYSTEM AC-1	
	CONCESSIONS NTH MID C.O.	20 A	1	CO	21			180 VA	1352 VA			22	--	--	--	--	--
	CONCESSIONS STH MID C.O.	20 A	1	CO	23					180 VA	1352 VA	24	M	2	20 A	SPLIT SYSYEM AC-2	
	CONCESSIONS STH C.O.	20 A	1	CO	25	180 VA	1352 VA					26	--	--	--	--	--
	RM'S B101, B103, B104 C.O.	20 A	1	CO	27			900 VA	1212 VA			28	M	1	20 A	FURNACE F-7	
	CONCESSIONS OVERHEAD DR	30 A	1	E	29					1920 VA	1212 VA	30	M	1	20 A	FURNACE F-8	
	RESTROOMS B106, B109 C.O.	20 A	1	CO	31	720 VA	864 VA					32	M	1	20 A	EXHAUST FAN EF-9	
	STORAGE B111 C.O.	20 A	1	CO	33			720 VA	864 VA			34	M	1	20 A	EXHAUST FAN EF-10	
	DATARACK C.O.	20 A	1	CO	35					360 VA	1654 VA	36	M	2	20 A	UNIT HEATER EUH-1	
	ANNOUNCER BOOTH B201 C.O.	20 A	1	CO	37	720 VA	1654 VA					38	--	--	--	--	--
	ANNOUNCER B201 EST C.O.	20 A	1	CO	39			900 VA	1654 VA			40	M	2	20 A	UNIT HEATER EUH-1	
	ANNOUNCER B201 STH C.O.	20 A	1	CO	41					900 VA	1654 VA	42	--	--	--	--	--
	DUGOUT C104 C.O.	20 A	1	CO	43	720 VA	1414 VA					44	M	2	20 A	CONDENSING UNIT CU-7	
	TEAM ROOM (30) C102 C.O.	20 A	1	CO	45			900 VA	1414 VA			46	--	--	--	--	--
1	TEAM ROOM C102 WATER CL	20 A	1	E	47					600 VA	1414 VA	48	M	2	20 A	CONDENSING UNIT CU-8	
	DUGOUT C108 C.O.	20 A	1	CO	49	720 VA	1414 VA					50	--	--	--	--	--
	TEAM ROOM (30) C106 C.O.	20 A	1	CO	51			900 VA	499 VA			52	M	2	20 A	WALL HEATER EH-1	
1	TEAM ROOM C106 WATER CL	20 A	1	E	53					600 VA	499 VA	54	--	--	--	--	--
	BATTING CAGE C.O.	20 A	1	CO	55	360 VA	600 VA					56	E	1	20 A	PRESS BOX WATER COOLER	1
	BATTING CAGE C.O.	20 A	1	CO	57			360 VA	1200 VA			58	E	1	20 A	BASEBALL SCOREBOARD C.O.	
	ANNOUNCER AV RACK C.O.	20 A	1	CO	59					1200 VA	1200 VA	60	E	1	20 A	SOFTBALL SCOREBOARD C.O.	
	ANNOUNCER AV RACK C.O.	20 A	1	CO	61	1200 VA	1920 VA					62	M	1	30 A	PRESS BOX OVERHEAD DR	
	PANEL 'ACC2'	20 A	1	E	63			960 VA	28 VA			64	L	1	20 A	CHASE B107 LIGHTING	
	SPORTS LTG CONTROL PANEL	20 A	1	E	65					960 VA	9600 VA	66	E	3	100 A	PANEL 'SPB1'	
	ROOF C.O.	20 A	1	CO	67	360 VA	9600 VA					68	--	--	--	--	--
	-SPARE-	20 A	1	--	69			0 VA	9600 VA			70	--	--	--	--	--
	-SPARE-	20 A	1	--	71					0 VA	9600 VA	72	E	3	100 A	PANEL 'SPB2'	
	-SPARE-	20 A	1	--	73	0 VA	9600 VA					74	--	--	--	--	--
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	-SPARE-	20 A	1	--	81			0 VA	0 VA			82	--	1	20 A	-SPARE-	
	-SPARE-	20 A	1	--	83					0 VA	0 VA	84	--	1	20 A	-SPARE-	

	A	B	C
TOTAL CONNECTED LOAD PER PHASE (VA)	40424 VA	38819 VA	41006 VA
TOTAL CONNECTED CURRENT PER PHASE (AMPS)	339 A	323 A	344 A

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
EQUIPMENT	65640 VA	100.00%	65640 VA		
KITCHEN	6900 VA	70.00%	4830 VA	**Total Conn. Load:**	120250 VA
LIGHTING	28 VA	125.00%	35 VA	**25% OF LARGEST MOTOR:**	
Motor	34302 VA	102.41%	35128 VA	**Total Est. Demand:**	117323 VA
RECEPTACLE	13380 VA	87.37%	11690 VA	**Total Conn. Current:**	334 A
				Total Est. Demand Current:	326 A

PANELBOARD SCHEDULE KEYED NOTE:

1. PROVIDE CLASS A GROUND FAULT INTERRUPTER TYPE CIRCUIT BREAKER.
2. PROVIDE ARC FAULT CIRCUIT INTERRUPTER TYPE CIRCUIT BREAKER.
3. PROVIDE 30 MILLIAMPERE EQUIPMENT GROUND FAULT PROTECTOR TYPE CIRCUIT BREAKER.
4. PROVIDE SHUNT TRIP CIRCUIT BREAKER WITH 120 V COIL.
5. PROVIDE HACR RATED CIRCUIT BREAKER.
6. PROVIDE HANDLE CLAMP FOR HOLDING CIRCUIT BREAKER IN THE "ON" OR "OFF" POSITION.
7. PROVIDE SWITCHING RATED CIRCUIT BREAKER.
8. PROVIDE NEW CIRCUIT BREAKER IN EXISTING PANELBOARD (WHERE PANEL IS LABELED AS EXISTING) OF SAME MANUFACTURER AND A.I.C. RATING AS EXISTING.
9. EXISTING LOAD.

STARTER/DISCONNECT/CONNECTION AT UNIT NOTES:

1. MANUAL STARTER WITH THERMAL OVERLOAD
2. MANUAL STARTER WITH THERMAL OVERLOAD PROTECTION & LOW VOLTAGE RELAY / CONTACTOR FOR ATC CONTROL.
3. COMBINATION MAGNETIC STARTER / FUSED DISCONNECT
4. COMBINATION MAGNETIC STARTER / MOTOR CIRCUIT PROTECTOR (MCP)
5. COMBINATION MAGNETIC STARTER / NON-FUSED DISCONNECT.
6. COMBINATION VARIABLE FREQUENCY DRIVE / MOTOR CIRCUIT PROTECTOR (MCP)
7. MAGNATIC STARTER
8. REDUCED VOLTAGE STARTER
9. NON-FUSED DISCONNECT SWITCH
10. FUSED DISCONNECT SWITCH
11. ENCLOSED CIRCUIT BREAKER
12. DIRECT CONNECTION
13. DUPLEX RECEPTACLE OUTLET
14. TOGGLE SWITCH
15. SPECIAL PURPOSE OUTLET
16. PILOT SWITCH
17. FUSED ELEVATOR SWITCH
18. MOTOR RATED SWITCH
19. CONTROL PANEL

A. FURNISHED, INSTALLED & CONNECTED UNDER DIVISION 26.
B. FURNISHED & INSTALLED UNDER ANOTHER DIVISION REQUIRING CONNECTIONS UNDER DIVISION 26
C. FURNISHED UNDER ANOTHER DIVISION BUT INSTALLED AND CONNECTED UNDER DIVISION 26
D. FURNISHED, INSTALLED & CONNECTED UNDER ANOTHER DIVISION
E. FURNISHED BY OWNER, INSTALLED & CONNECTED BY DIVISION 26

GENERAL NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE AND SIZE FEEDER, STARTER, DISCONNECT AND OVERCURRENT PROTECTION IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OF ACTUAL EQUIPMENT SUPPLIED.
2. ALL CONDUCTORS USED SHALL BE COPPER.
3. ELECTRICAL CONTRACTOR SHALL REVIEW MECHANICAL DRAWINGS FOR ANY ADDITIONAL REQUIREMENTS PRIOR TO BID.
4. ELECTRICAL CONTRACTOR SHALL REVIEW OTHER TRADE SUBMITTALS FOR ANY EQUIPMENT REQUIRING CONNECTION BY ELECTRICAL CONTRACTOR AND COORDINATE ALL REQUIREMENTS PRIOR TO ROUGH-IN.
5. SIZE ALL FUSES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

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MHTN
ARCHITECTS
MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
www.mhtn.com

ENVISION
ENGINEERING
240 E. MORRIS AVE. SUITE 200
SALT LAKE CITY, UT 84115
P (801) 534-1130

www.envisioneng.com

ENV:2025-041.00

pcsd
PARK CITY SCHOOL DISTRICT

PARK CITY SCHOOL DISTRICT

TREASURE MOUNTAIN SPORTS COMPLEX

1750 KEARNS BLVD
PARK CITY, UT 84060

SEAL
DAVID P. WHITTON
No.264397
2025/05/12

MHTN PROJECT NO. 2017559

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

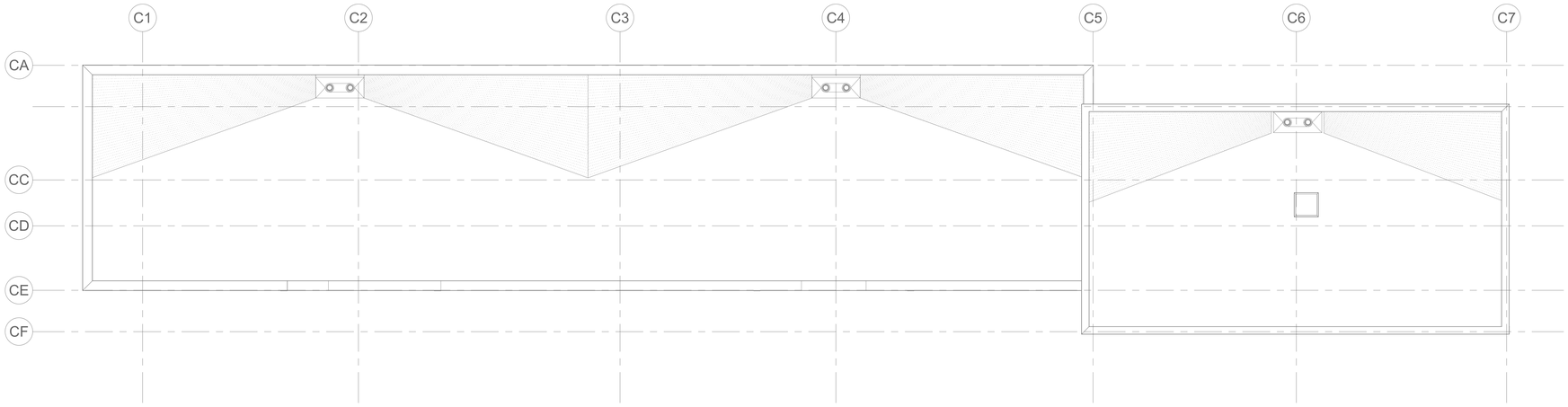
NO.△	DATE	DESCRIPTION

ISSUE
BID SET #1
MAY 12, 2025

SHEET NAME
PANEL SCHEDULES

SHEET NUMBER
EP801

RETURN TO SHEET INDEX

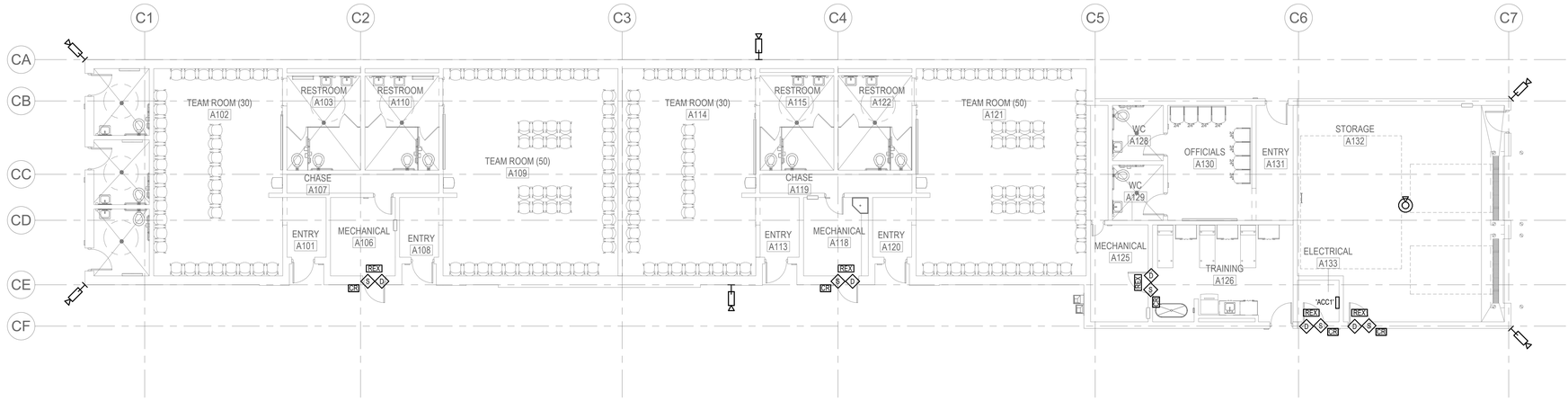


2 ROOF SYSTEMS PLAN - TREASURE SUPPORT

SCALE: 1/8" = 1'-0"

SYSTEMS GENERAL NOTES:

1. COORDINATE ALL WALL MOUNTED LOCATIONS WITH THE ARCHITECT.
2. DO NOT LOCATE ANY EQUIPMENT OR DEVICES BEHIND DOORS OR SHELVING. REFER TO THE ARCHITECTURAL DRAWINGS FOR SHELVING LOCATIONS.
3. THE DIVISION 28 CONTRACTOR SHALL DETERMINE THE EXACT ROUTING OF ALL CONDUITS IN THE FIELD. THIS PLAN REPRESENTS A SCHEMATIC REPRESENTATION OF DEVICE LOCATIONS.
4. ALL CONDUITS THAT TERMINATE ABOVE THE CEILING SHALL TERMINATE WITH NYLON BUSHING.
5. CCTV CAMERAS, MOUNTS, ETC ARE FURNISHED BY THE OWNER AND INSTALLED AND CONNECTED BY THE CONTRACTOR. COORDINATE ALL WORK WITH THE OWNER PRIOR TO THE START OF THE DEMOLITION.
6. CONTRACTOR SHALL COORDINATE ALL ACCESS CONTROL ROUGH-IN REQUIREMENTS WITH THE OWNER. ACCESS CONTROL SYSTEM SUPPLIER AND DOOR HARDWARE SUPPLIER PRIOR TO THE START OF THE CONSTRUCTION.



1 FIRST SYSTEMS FLOOR PLAN - TREASURE SUPPORT

SCALE: 1/8" = 1'-0"

MHTN ARCHITECTS
MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
www.mhtn.com

ENVISION ENGINEERING
240 E. MORRIS AVE. SUITE 200
SALT LAKE CITY, UT 84115
P. (801) 534-1130
www.envisioneng.com

ENV:2025-041.00

PARK CITY SCHOOL DISTRICT

TREASURE MOUNTAIN SPORTS COMPLEX

1750 KEARNS BLVD
PARK CITY, UT 84060

SEAL

REGISTERED PROFESSIONAL ENGINEER
DAVID P. WHITTON
No.264397
STATE OF UTAH

2025/05/12

MHTN PROJECT NO. 2017559

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD. USE REFLECT LAST REVISION DATE.

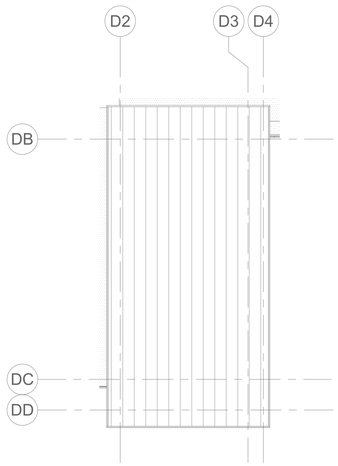
NO	DATE	DESCRIPTION

ISSUE
BID SET #1
MAY 12, 2025

SHEET NAME
SYSTEMS PLANS - TREASURE SUPPORT

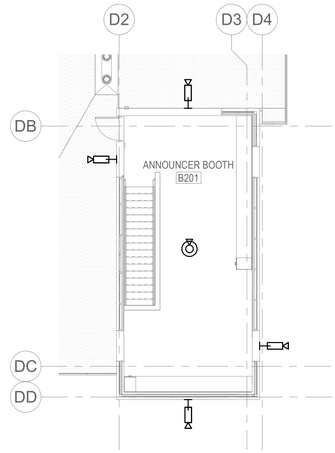
SHEET NUMBER
EY101A

RETURN TO SHEET INDEX



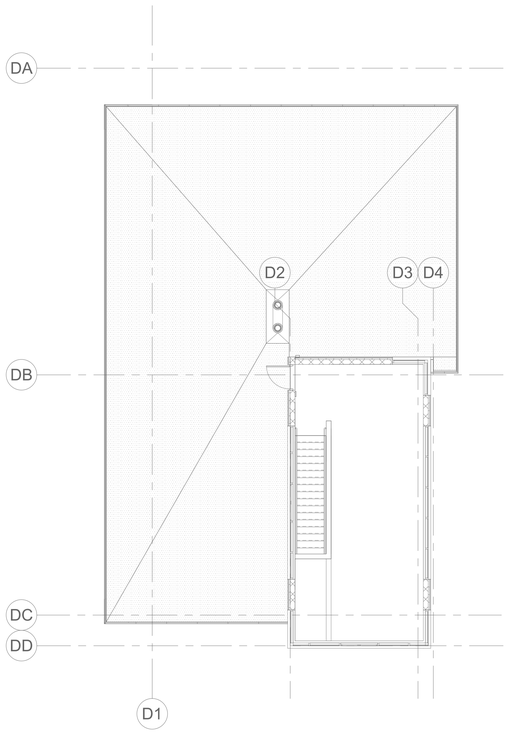
4 UPPER ROOF SYSTEMS PLAN - PRESS BOX

SCALE: 1/8" = 1'-0"



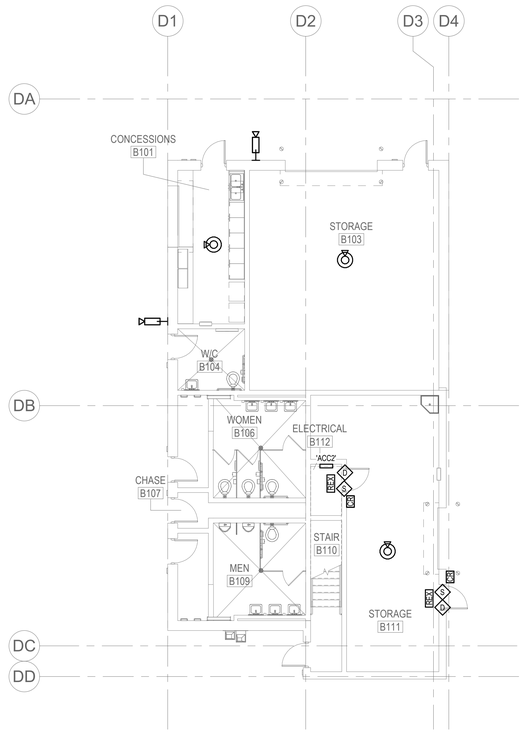
2 SECOND FLOOR SYSTEMS PLAN - PRESS BOX

SCALE: 1/8" = 1'-0"



3 ROOF SYSTEMS PLAN - PRESS BOX

SCALE: 1/8" = 1'-0"



1 FIRST FLOOR SYSTEM PLAN - PRESS BOX

SCALE: 1/8" = 1'-0"

SYSTEMS GENERAL NOTES:

1. COORDINATE ALL WALL MOUNTED LOCATIONS WITH THE ARCHITECT.
2. DO NOT LOCATE ANY EQUIPMENT OR DEVICES BEHIND DOORS OR SHELVING. REFER TO THE ARCHITECTURAL DRAWINGS FOR SHELVING LOCATIONS.
3. THE DIVISION 28 CONTRACTOR SHALL DETERMINE THE EXACT ROUTING OF ALL CONDUITS IN THE FIELD. THIS PLAN REPRESENTS A SCHEMATIC REPRESENTATION OF DEVICE LOCATIONS.
4. ALL CONDUITS THAT TERMINATE ABOVE THE CEILING SHALL TERMINATE WITH NYLON BUSHING.
5. CCTV CAMERAS, MOUNTS, ETC ARE FURNISHED BY THE OWNER AND INSTALLED AND CONNECTED BY THE CONTRACTOR. COORDINATE ALL WORK WITH THE OWNER PRIOR TO THE START OF THE DEMOLITION.
6. CONTRACTOR SHALL COORDINATE ALL ACCESS CONTROL ROUGH-IN REQUIREMENTS WITH THE OWNER. ACCESS CONTROL SYSTEM SUPPLIER AND DOOR HARDWARE SUPPLIER PRIOR TO THE START OF THE CONSTRUCTION.

KEYED NOTES (#)

MHTN ARCHITECTS
MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
www.mhtn.com

ENVISION ENGINEERING
240 E. MORRIS AVE. SUITE 200
SALT LAKE CITY, UT 84115
P. (801) 534-1130
www.envisioneng.com
ENV:2025-041.00

PARK CITY SCHOOL DISTRICT

TREASURE MOUNTAIN SPORTS COMPLEX

1750 KEARNS BLVD
PARK CITY, UT 84060

SEAL

REGISTERED PROFESSIONAL ENGINEER
DAVID P. WHITTON
No.264397
STATE OF UTAH

2025/05/12

MHTN PROJECT NO. 2017559

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD. USE REFLECT LAST REVISION DATE.

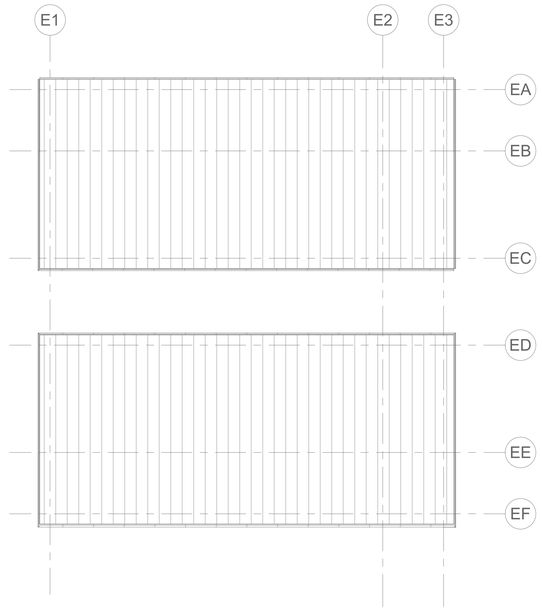
NO	DATE	DESCRIPTION

ISSUE
BID SET #1
MAY 12, 2025

SHEET NAME
SYSTEMS PLANS - PRESS BOX

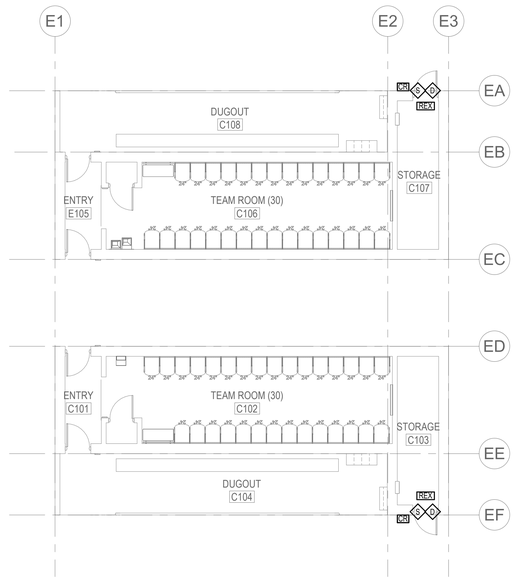
SHEET NUMBER
EY101B

RETURN TO SHEET INDEX



2 ROOF SYSTEMS PLAN - TEAMROOM/DUGOUT

SCALE: 1/8" = 1'-0"



1 FIRST FLOOR SYSTEMS PLAN - TEAMROOM/DUGOUT

SCALE: 1/8" = 1'-0"

SYSTEMS GENERAL NOTES:

1. COORDINATE ALL WALL MOUNTED LOCATIONS WITH THE ARCHITECT.
2. DO NOT LOCATE ANY EQUIPMENT OR DEVICES BEHIND DOORS OR SHELVING. REFER TO THE ARCHITECTURAL DRAWINGS FOR SHELVING LOCATIONS.
3. THE DIVISION 28 CONTRACTOR SHALL DETERMINE THE EXACT ROUTING OF ALL CONDUITS IN THE FIELD. THIS PLAN REPRESENTS A SCHEMATIC REPRESENTATION OF DEVICE LOCATIONS.
4. ALL CONDUITS THAT TERMINATE ABOVE THE CEILING SHALL TERMINATE WITH NYLON BUSHING.
5. CCTV CAMERAS, MOUNTS, ETC ARE FURNISHED BY THE OWNER AND INSTALLED AND CONNECTED BY THE CONTRACTOR. COORDINATE ALL WORK WITH THE OWNER PRIOR TO THE START OF THE DEMOLITION.
6. CONTRACTOR SHALL COORDINATE ALL ACCESS CONTROL ROUGH-IN REQUIREMENTS WITH THE OWNER, ACCESS CONTROL SYSTEM SUPPLIER AND DOOR HARDWARE SUPPLIER PRIOR TO THE START OF THE CONSTRUCTION.

KEYED NOTES (x)

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Telefax (801) 595-6717
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SEAL

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No.264397
STATE OF UTAH
2025/05/12

MHTN PROJECT NO. 2017559

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REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD. USE REFLECT LAST REVISION DATE.

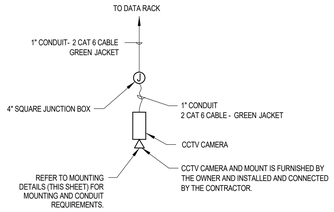
NO	DATE	DESCRIPTION

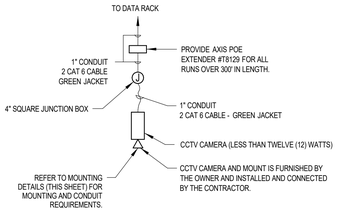
ISSUE
BID SET #1
MAY 12, 2025

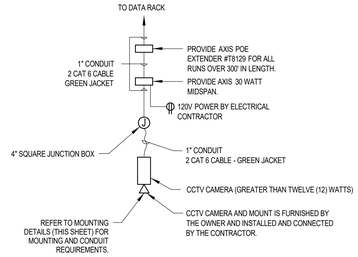
SHEET NAME
SYSTEMS PLANS - TEAMROOM / DUGOUT

SHEET NUMBER
EY101C

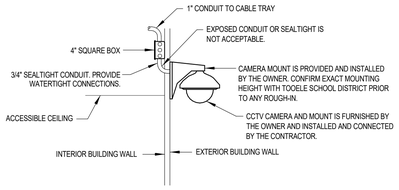
RETURN TO SHEET INDEX



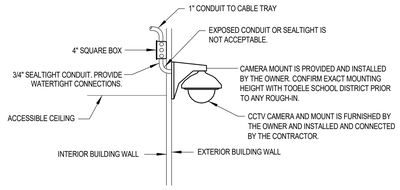




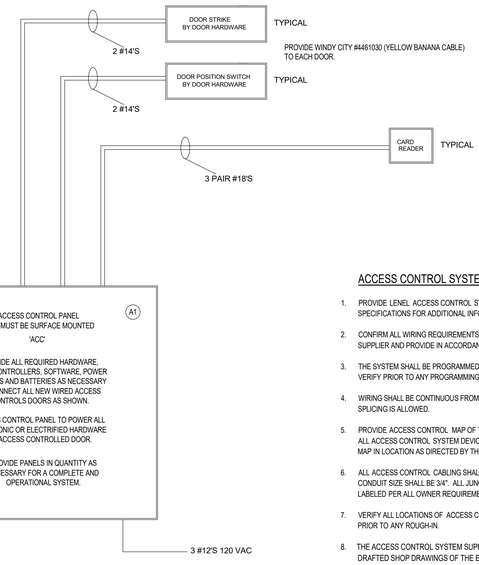
2 CCTV CAMERA WIRING DETAIL
SCALE: NONE



4 EXTERIOR CORNER MOUNTED CAMERA DETAIL
SCALE: NONE



3 EXTERIOR WALL MOUNTED CAMERA DETAIL
SCALE: NONE



1 TYPICAL ACCESS CONTROL SYSTEM RISER DIAGRAM
SCALE: NONE

ACCESS CONTROL KEYED NOTES: (A#)

1. CONTRACTOR SHALL CONFIRM ALL WIRING REQUIREMENTS WITH THE ACCESS CONTOL SYSTEMS SUPPLIER PRIOR TO ANY ROUGH-IN OF THE SYSTEM. IF THE CONTRACTOR FAILS TO COORDINATE WITH THE ACCESS CONTOL SYSTEM SUPPLIER ALL WIRING WILL BE REPLACED WITH THE CORRECT WIRING AT NO ADDITIONAL COST TO THE OWNER.

NOTE:
CONTRACTOR SHALL SCHEDULE A PRE-INSTALL MEETING WITH THE SCHOOL DISTRICT AND ENGINEER FOR REVIEW OF THE INSTALLATION OF THE ACCESS CONTROL SYSTEM, FIRE ALARM SYSTEM, SECURITY SYSTEM AND CCTV SYSTEM PRIOR TO ANY ROUGH-IN AND PRIOR TO SUBMITTAL SUBMISSION. IF THE CONTRACTOR DOES NOT SCHEDULE A PRE-INSTALL MEETING, THE CONTRACTOR SHALL MAKE ANY AND ALL CHANGES TO THE SYSTEM AS DIRECTED BY THE SCHOOL DISTRICT AT NO ADDITIONAL COST TO THE DISTRICT.

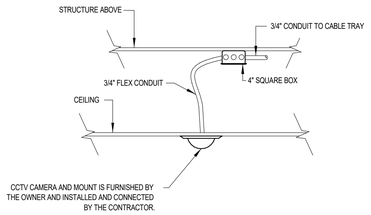
SYSTEMS INSTALLERS
ACCESS CONTROL SYSTEM:
CONVERGINT TECHNOLOGIES - TIM DENNY
801.977.8705

ACCESS CONTROL SYSTEM GENERAL NOTES:

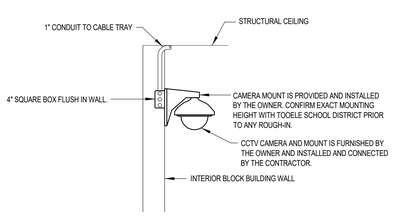
1. PROVIDE LENEL ACCESS CONTROL SYSTEM. REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION .
2. CONFIRM ALL WIRING REQUIREMENTS WITH ACCESS CONTROL SYSTEM SUPPLIER AND PROVIDE IN ACCORDANCE THEREWITH.
3. THE SYSTEM SHALL BE PROGRAMMED PER ALL OWNERS REQUIREMENTS. VERIFY PRIOR TO ANY PROGRAMMING .
4. WIRING SHALL BE CONTINUOUS FROM ONE DEVICE TO ANOTHER. NO SPLICING IS ALLOWED.
5. PROVIDE ACCESS CONTROL MAP OF THE BUILDING SHOWING ALL ACCESS CONTROL SYSTEM DEVICES , INCLUDING EXISTING . LOCATE MAP IN LOCATION AS DIRECTED BY THE OWNER.
6. ALL ACCESS CONTROL CABLING SHALL BE RUN IN CONDUIT. MINIMUM CONDUIT SIZE SHALL BE 3/4". ALL JUNCTION BOXES SHALL BE PAINTED AND LABELED PER ALL OWNER REQUIREMENTS .
7. VERIFY ALL LOCATIONS OF ACCESS CONTROL DEVICES WITH THE OWNER PRIOR TO ANY ROUGH-IN.
8. THE ACCESS CONTROL SYSTEM SUPPLIER SHALL PROVIDE COMPUTER DRAFTED SHOP DRAWINGS OF THE ENTIRE ACCESS CONTROL SYSTEM USING FLOOR PLANS PROVIDED BY THE ENGINEER. SHOP DRAWINGS TO INCLUDE PLANS, SECTIONS, ELEVATIONS, FINAL DEVICE LOCATIONS, CONDUIT SIZE AND ROUTING AND ALL CONDUCTOR SIZES. TYPICAL RISERS AND COPYING AND SUBMITTING THE CONTRACT DOCUMENTS WILL NOT BE ACCEPTED.
9. INSTALL CABLES IN RACEWAYS AND CABLE TRAYS EXCEPT ABOVE LAY-IN TILE ACCESSIBLE CEILINGS. INSTALL CABLES IN RACEWAY WHERE ROUTED IN CONSOLES, CABINETS, DESKS, AND COUNTERS. INSTALL CABLING WITH HORIZONTAL AND VERTICAL CABLE GUIDES IN TELECOMMUNICATIONS SPACES WITH TERMINATING HARDWARE AND INTERCONNECTION EQUIPMENT. WHERE CABLES ARE ROUTED ABOVE ACCESSIBLE LAY-IN TILE SUSPENDED CEILINGS, SECURE AND SUPPORT CABLES WITH J-HOOKS A MINIMUM OF 8 INCHES (200 MM) ABOVE CEILINGS AND NOT MORE THAN 60 INCHES (1524 MM) APART; CABLE SHALL NOT BE RUN THROUGH STRUCTURAL MEMBERS OR IN CONTACT WITH PIPES, DUCTS, OR OTHER POTENTIALLY DAMAGING ITEMS. INSTALL CABLES IN OPEN CEILINGS (FINISHED AND UNFINISHED) IN RACEWAYS. WHERE RACEWAYS ARE INSTALLED IN FINISHED CEILINGS, PAINT RACEWAYS TO MATCH THE COLOR OF THE SURROUNDING SURFACE.
10. REFER TO EY SHEETS FOR QUANTITIES AND LOCATIONS OF DEVICES.
11. PROVIDE WINDY CITY #4461030 (YELLOW BANANA CABLE) TO EACH DOOR.

GENERAL NOTES:

1. ALL DOOR POSITION SWITCHES, DOOR CONTACT SWITCHES, MAGNETIC DOOR HOLDERS, ELECTRIC STRIKES, ETC ARE FURNISHED BY THE DOOR HARDWARE SUPPLIER AND INSTALLED AND CONNECTED BY THE ELECTRICAL CONTRACTOR. COORDINATE ALL WORK WITH THE DOOR HARDWARE SUPPLIER. SEE DOOR HARDWARE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. ALL CARD READERS, DOOR RELEASE BUTTON, LOCK DOWN / DURESS BUTTONS, ETC ARE FURNISHED BY THE ACCESS CONTROL SYSTEM SUPPLIER AND INSTALLED AND CONNECTED BY THE ELECTRICAL CONTRACTOR. COORDINATE ALL WORK WITH THE ACCESS CONTROL SYSTEM SUPPLIER. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.



6 INTERIOR CEILING MOUNTED CAMERA DETAIL
SCALE: NONE



5 INTERIOR WALL MOUNTED CAMERA DETAIL
SCALE: NONE

ACCESS CONTROL COORDINATION REQUIREMENTS:

CODE REFERENCES AND REQUIREMENTS:
NFPA 101 - LIFE SAFETY CODE
• 7.2.1.5.6(5) REQUIRES THAT LOSS OF POWER WILL UNLOCK THE ELECTRICALLY CONTROLLED DOOR HARDWARE.
7.2.1.6.2.(4) REQUIRES THAT ACTIVATION OF THE BUILDING FIRE ALARM SYSTEM UNLOCK ALL DOORS LOCATED IN THE PATH OF EGRESS.
NFPA 80 - FIRE DOORS AND OTHER OPENING PROTECTIVES 2016 NFPA 60 - FIRE DOORS AND OTHER OPENING PROTECTIVES
• 6.1.3.4 REQUIRES THAT POWER OPERATED FIRE DOORS HAVE A RELEASING DEVICE TO AUTOMATICALLY RELEASE POWER UPON FIRE ALARM.
• 6.4.4.3.3 REQUIRES THAT FIRE RATED DOORS BE POSITIVELY LATCHED TO MAINTAIN THE FIRE RATING, ALL ELECTRIC STRIKES USED IN FIRE RATED DOORS MUST BE FAIL SECURE.
IBC - INTERNATIONAL BUILDING CODE
• 1010.1.9.8 REQUIRES ELECTROMAGNETICALLY LOCKED DOORS HAVE A SENSOR RELEASE SWITCH EITHER AUTOMATIC OR BY A READILY ACCESSIBLE WALL MOUNTED PUSHBUTTON TO RELEASE THE LOCK WITHIN 5' OF THE DOOR.

TO ENSURE A COMPLETE AND OPERATING ACCESS CONTROL SYSTEM AND TO ELIMINATE DELAYS, INSUFFICIENT OR UNNECESSARY WORK BY ALL OF THE ENTITIES INVOLVED, THE FOLLOWING STEPS SHALL BE COMPLETED. THE FAILURE TO DO SO RESULTING IN ADDED COSTS AND LOST TIME WILL BE BORN SOLELY BY THE CONTRACTOR. NO ADDITIONAL PAYMENTS WILL BE MADE BY THE OWNER TO COVER WORK DESCRIBED BELOW.

DURING THE BIDDING PROCESS:
1. THE ELECTRICAL CONTRACTOR SHALL REVIEW THE FLOORPLAN DRAWINGS AND DETAILS ON THIS SHEET. THE FLOORPLANS WILL INDICATE WHICH DOORS HAVE ACCESS CONTROL EQUIPMENT REQUIRING ROUGH-IN, DEVICE LOCATIONS REQUIRING JUNCTION BOXES WILL BE SHOWN ON THE FLOORPLANS, BUT ALL CONDUIT AND HARDWARE REQUIREMENTS CAN ONLY BE DETERMINED BY REFERRING TO THE SPECIFIC DOOR ROUGH-IN DETAILS AND THE ARCHITECTURAL DOOR HARDWARE SPECIFICATION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION.
2. THE ELECTRICAL CONTRACTOR SHALL REVIEW THE ARCHITECTURAL DOOR HARDWARE SCHEDULE, DOOR HARDWARE SPECIFICATIONS, AND DEFINED EGRESS PATHS. IDENTIFY ACCESS CONTROLLED DOORS LOCATED IN FIRE RATED WALLS AND IN PATHS OF EGRESS REQUIRING ADDITIONAL CONTROL DEVICES.
3. THE ELECTRICAL CONTRACTOR SHALL VERIFY WHICH DOORS USING AN ELECTRIFIED EXIT DEVICE WILL REQUIRE 120V AT THE DOOR. THIS IS MANUFACTURER SPECIFIC AND MUST BE CONFIRMED WITH THE GENERAL CONTRACTOR ACCORDING TO WHICH HARDWARE SUPPLIER BEING USED.

POST-BID, DURING THE SUBMITTAL PROCESS:
1. DURING THE SUBMITTAL PROCESS, THE ELECTRICAL CONTRACTOR SHALL REVIEW THE APPROVED DOOR HARDWARE SUBMITTAL TO CONFIRM THE FINAL HARDWARE SETS PRIOR TO ANY ROUGH-IN. ANY QUESTIONS SHALL BE ISSUED BY FORMAL RFI.
2. MEET WITH THE ACCESS CONTROL VENDOR TO REVIEW ALL FINAL INTEGRATION AND ROUGH-IN REQUIREMENTS. ONLY AFTER CONFIRMING THE FINAL DOOR HARDWARE AND ACCESS CONTROL SYSTEM REQUIREMENTS SHALL ANY ROUGH-IN WORK BEGIN.

ACCESS DOOR ROUGH-IN GENERAL NOTES:

1. THE DOOR DETAILS SHOWN BELOW ARE GENERAL ROUGH-IN DETAILS AND NOT ALL DEVICES SHOWN MAY BE PRESENT FOR EACH DOOR. CONTRACTOR SHALL REFER TO THE DOOR HARDWARE SCHEDULE IN THE ARCHITECTS DRAWINGS AND SPECS TO DETERMINE WHAT DEVICES ARE PRESENT FOR EACH DOOR REQUIRING CARD ACCESS DOOR EQUIPMENT.
2. NOT ALL DOOR STYLE DETAILS SHOWN BELOW MAY BE INCLUDED IN THE PROJECT.
3. ALL CONDUIT SHALL BE CONCEALED UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS.
4. THE DOOR ROUGH-IN INFORMATION SHOWN ON THESE DRAWINGS ARE SCHEMATIC IN NATURE AND CANNOT ACCOUNT FOR ALL SPECIFIC VENDOR REQUIREMENTS, OR ACTUAL DOOR HARDWARE PROVIDED. COORDINATE SPECIFIC LOCATIONS WITH SECURITY CONTRACTOR AND APPROVED DOOR HARDWARE SCHEDULES PRIOR TO ROUGH-IN. CONTRACTOR IS RESPONSIBLE FOR A COMPLETE CONDUIT RACEWAY SYSTEM AT THE DOOR AND BACK TO LOCAL ELECTRICAL ROOM.
5. IF REX IS NOT INCLUDED IN DOOR HANDLE OR EXIT DEVICE, PROVIDE BOX FOR WALL MOUNTED REX DEVICE. VERIFY WITH DOOR HARDWARE PRIOR TO ROUGH-IN.
6. PROVIDE CONDUIT AND DEVICE BACK BOX ROUGH-IN AT ALL CARD READER DOOR LOCATIONS. CONDUIT SHALL BE 3/4" UNLESS OTHERWISE NOTED AND ALL BOXES SHALL BE 4 SQUARE WITH A SINGLE GANG MUD RING FOR DEVICES OR JUST A SINGLE GANG BOX IF INSTALLED AT THE DOOR FRAME.
7. A SINGLE FIRE ALARM CONTROL MODULE MAY BE USED TO CONTROL THE POWER TO MULTIPLE DOORS IF COORDINATED WITH THE ACCESS CONTROL SYSTEM VENDOR TO WIRE DOORS SEPARATE FROM OTHER DOORS TOGETHER ON THE SAME POWER SUPPLY LOOP.
8. IF NO ACCESSIBLE CEILING SPACE IS NEAR THE CONTROLLED DOOR, ALL CONDUITS ARE TO BE RUN CONTINUOUS TO THE DOOR ACCESS CONTROL PANEL UNLESS A LOCATION IS DETERMINED TO BE ACCEPTABLE TO THE ENGINEER PRIOR TO INSTALLATION.

CCTV GENERAL NOTES:

1. CCTV CAMERAS, MOUNTS, ETC ARE FURNISHED BY THE OWNER AND INSTALLED AND CONNECTED BY THE CONTRACTOR. PROVIDE A 25' COIL OF AT EACH CAMERA LOCATION.
2. COORDINATE ALL CAMERA LOCATIONS, WIRING AND ROUGH-IN REQUIREMENTS WITH OWNER AND SUPPLIER PRIOR TO ROUGH-IN.
3. INSTALL CABLES IN RACEWAYS AND CABLE TRAYS EXCEPT ABOVE LAY-IN TILE ACCESSIBLE CEILINGS. INSTALL CABLES IN RACEWAY WHERE ROUTED IN CONSOLES, CABINETS, DESKS, AND COUNTERS. INSTALL CABLING WITH HORIZONTAL AND VERTICAL CABLE GUIDES IN TELECOMMUNICATIONS SPACES WITH TERMINATING HARDWARE AND INTERCONNECTION EQUIPMENT. WHERE CABLES ARE ROUTED ABOVE ACCESSIBLE LAY-IN TILE SUSPENDED CEILINGS, SECURE AND SUPPORT CABLES WITH J-HOOKS A MINIMUM OF 8 INCHES (200 MM) ABOVE CEILINGS AND NOT MORE THAN 60 INCHES (1524 MM) APART; CABLE SHALL NOT BE RUN THROUGH STRUCTURAL MEMBERS OR IN CONTACT WITH PIPES, DUCTS, OR OTHER POTENTIALLY DAMAGING ITEMS. INSTALL CABLES IN OPEN CEILINGS (FINISHED AND UNFINISHED) IN RACEWAYS. WHERE RACEWAYS ARE INSTALLED IN FINISHED CEILINGS, PAINT RACEWAYS TO MATCH THE COLOR OF THE SURROUNDING SURFACE.
4. ALL CABLING NOT SPECIFICALLY IDENTIFIED IN THE RISER DIAGRAM SHALL BE MANUFACTURER RECOMMENDED CABLING.
5. REFER TO SYSTEMS PLANS FOR CAMERA LOCATIONS.
6. EACH CAMERA TO HAVE A TWO (2) DEDICATED CABLE DROPS BACK TO DATA ROOM.
7. ALL CABLING SHALL BE PLENUM RATED.
8. CONTRACTOR TO TERMINATE AND TEST ALL CABLING (INCLUDING ALL CAMERA CABLING AND ANY FIBER OPTIC CABLES) AT CANERA AND DATA RACK AS DIRECTED BY THE OWNER. CONFIRM ALL TERMINATION TYPES WITH THE OWNER PRIOR TO ANY TERMINATIONS AND TESTING. CONFIRM ALL TERMINATION LOCATIONS WITH THE OWNER PRIOR TO TERMINATING ANY CABLING.

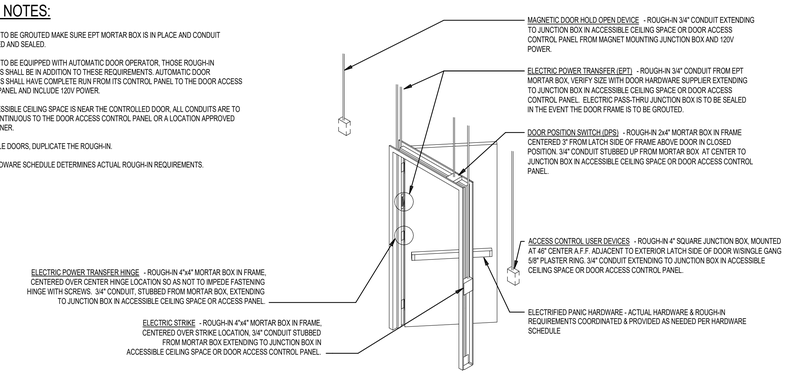
CCTV EQUIPMENT GENERAL NOTES:

1. CONFIRM ALL MOUNTING LOCATIONS AND HEIGHTS WITH THE OWNER PRIOR TO ANY ROUGH-IN.
2. CONTRACTOR TO INSTALL ALL CABLING AS CALLED OUT.
3. ALL CABLING SHALL BE CAT 6, PLENUM, YELLOW JACKET UNLESS NOTED OTHERWISE.
4. CONTRACTOR TO INSTALL OWNER FURNISHED EQUIPMENT.
5. SEE POWER AND SYSTEMS PLANS FOR ADDITIONAL REQUIREMENTS.
6. CONTRACTOR SHALL INSTALL CCTV NVR AND SOFTWARE AND PROGRAM PER THE OWNERS DIRECTION.

CCTV MOUNTING DIAGRAMS AS SHOWN ARE FOR BASIC CONCEPT AND LAYOUT. CONTRACTOR SHALL COORDINATE ALL ROUGH-IN REQUIREMENTS WITH THE OWNER PRIOR TO ANY ROUGH-IN.

GENERAL NOTES:

1. IF DOOR IS TO BE GROUTED MAKE SURE EPT MORTAR BOX IS IN PLACE AND CONDUIT CONNECTED AND SEALED.
2. IF DOOR IS TO BE EQUIPPED WITH AUTOMATIC DOOR OPERATOR, THOSE ROUGH-IN PROVISIONS SHALL BE IN ADDITION TO THESE REQUIREMENTS. AUTOMATIC DOOR OPERATORS SHALL HAVE COMPLETE RUN FROM ITS CONTROL PANEL TO THE DOOR ACCESS CONTROL PANEL AND INCLUDE 120V POWER.
3. IF NO ACCESSIBLE CEILING SPACE IS NEAR THE CONTROLLED DOOR, ALL CONDUITS ARE TO BE RUN CONTINUOUS TO THE DOOR ACCESS CONTROL PANEL OR A LOCATION APPROVED BY THE OWNER.
4. FOR DOUBLE DOORS, DUPLICATE THE ROUGH-IN.
5. DOOR HARDWARE SCHEDULE DETERMINES ACTUAL ROUGH-IN REQUIREMENTS.



7 TYPICAL BOX AND CONDUIT REQUIREMENTS / ROUGH-IN DETAIL
SCALE: NONE

MHTN ARCHITECTS
MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
www.mhtn.com

ENVISION ENGINEERING
240 E. MORRIS AVE. SUITE 200
SALT LAKE CITY, UT 84115
P. (801) 534-1130
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SEAL

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MHTN PROJECT NO. 2017559

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REVISIONS
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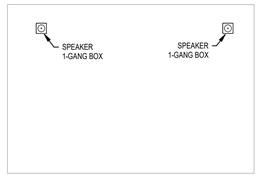
NO	DATE	DESCRIPTION

ISSUE
BID SET #1
MAY 12, 2025

SHEET NAME
SYSTEMS RISERS AND DETAILS

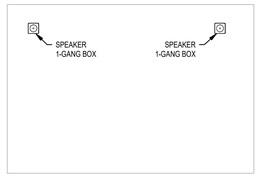
SHEET NUMBER
EY701

RETURN TO SHEET INDEX



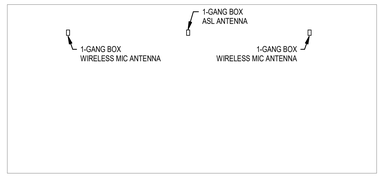
4 PRESSBOX SOCCER ELEVATION 1

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



5 PRESSBOX SOCCER ELEVATION 2

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



6 AV PRESS BOX - SOCCER ELEVATION 3

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

SPEAKER AIMING INFO (SOCCER)							
Name	Model	MH	H	V	RS	RH	DT
S1	R.566TZ	50'	98.5	-19.8	0	0	0
S2	R.566TZ	50'	81.8	-19.8	0	0	0
S3	R.566TZ	50'	140	-15	0	0	0
S4	R.566TZ	50'	40	-15	0	0	0
S5	R.25TZ	12'	+177.4	-5	0	0	0
S6	R.25TZ	12'	-2.1	-5	0	0	0
S7	R.25TZ	12'	-1.1	-5	0	0	0
S8	R.25TZ	12'	-177.4	-5	0	0	0

ABBREVIATIONS

MH= Mouting Height in ft
H = Horizontal Direction in degree
V= Vertical Direction in degree
+ = Rotate Up or Counterclockwise
- = Rotate Down or Clockwise

RS = Rotate Speaker
RH = Rotate Horn
DT= Delay time in MS

AUDIO VISUAL BALL FIELD GENERAL NOTES:

1. ADJUST SPEAKER AIMING ANGLES ON-SITE TO OPTIMIZE SOUND SYSTEM COVERAGE.
2. NO CHANGES SHALL BE MADE WITHOUT THE AV CONSULTANT'S WRITTEN CONSENT.
3. PROVIDE #6 AWG THHN WIRE W/ GREEN INSULATION FROM EACH AV EQUIPMENT CABINET TO THE NEAREST MAIN BUILDING GROUND. CONNECT GROUNDING WIRE TO BARE METAL ON EQUIPMENT CABINET.
4. COLORS OF ALL SOUND DEVICES THAT ARE EXPOSED, INCLUDING INPUT AND OUTPUT PLATES, VOLUME CONTROLS, SWITCHES, SPEAKERS, SPEAKER ENCLOSURES, SPEAKER MOUNTING HARDWARE, ETC. SHALL BE REVIEWED AND APPROVED BY OWNER PRIOR TO ORDERING.
5. CABLE ROUTES SHOWN ON DRAWINGS DO NOT ACTUALLY REFLECT THE RACEWAYS. THE RACEWAYS SHALL BE DETERMINED IN THE FIELD.
6. REFER TO RISER DIAGRAMS AND EQUIPMENT LISTS FOR THE TYPES AND NUMBERS OF WIRES REQUIRED FOR EACH AV DEVICE.
7. SETUP COMPRESSORS AND LIMITERS IN ALL OF THE DSPS TO PROTECT THE AMPLIFIERS AND SPEAKERS. ALSO, SETUP A PASSWORD ON THE DSPS, TO CONTROL THE ACCESS TO THEM. COORDINATE W. OWNER TO DETERMINE APPROPRIATE PASSWORDS.
8. EQUALIZE ALL AUDIO SYSTEMS WITH DSP PRIOR TO SYSTEM COMMISSIONING.
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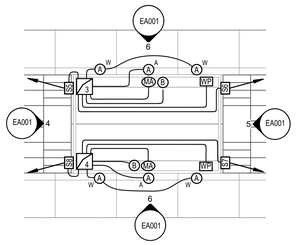
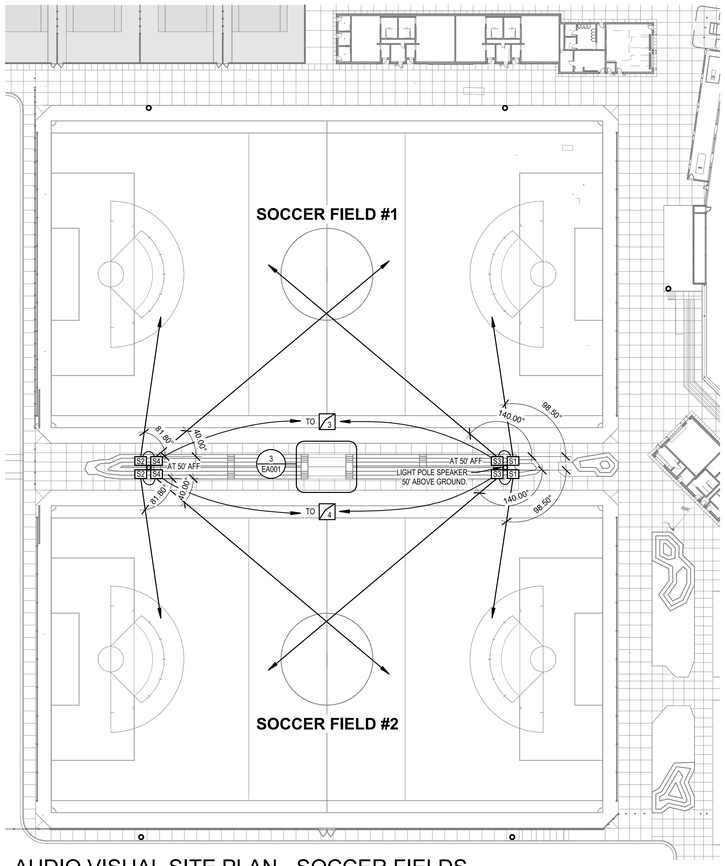
   A. FLAT WITHIN PLUS OR MINUS 2 DBA, FROM 71HZ TO 17KHZ.
   B. SLOPE DOWN ALONG AN APPROXIMATED 3 DBA PER OCTAVE SLOPE FROM 0 TO 71HZ AND 17KHZ AND UP.

KEYED NOTES (#)



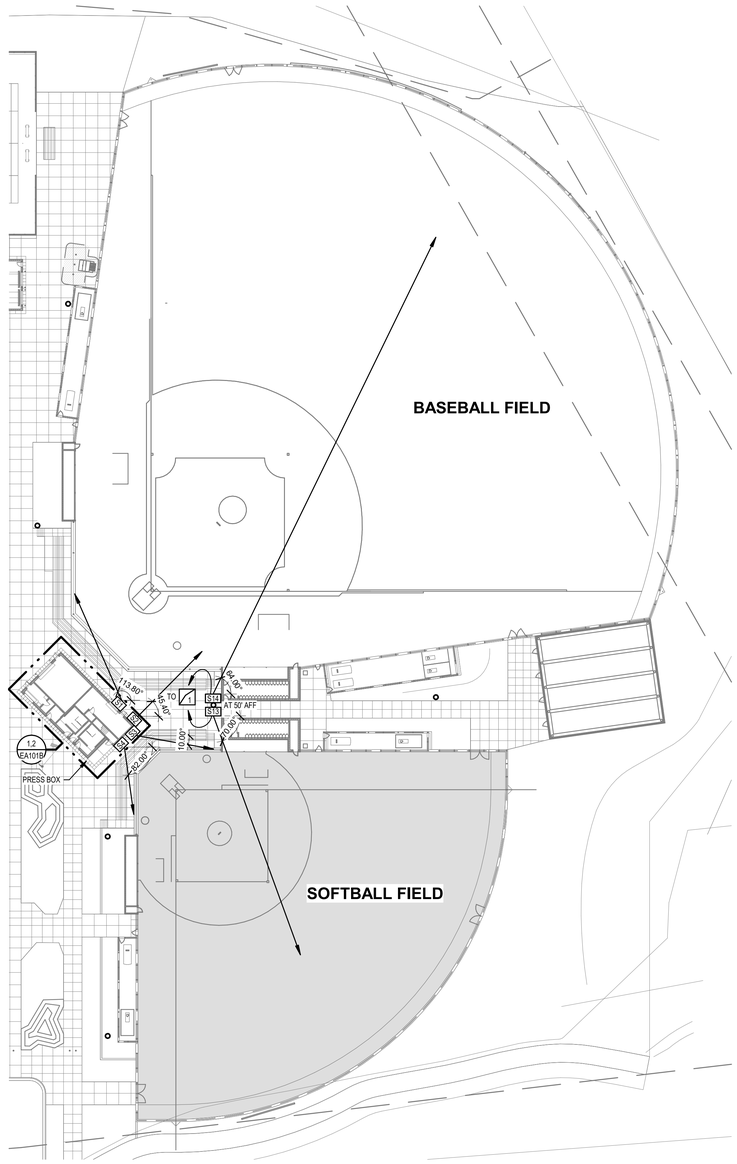
3 ENLARGED AV PRESS BOX - SOCCER FIELDS

SCALE: 1" = 10'-0"



2 AUDIO VISUAL SITE PLAN - SOCCER FIELDS

SCALE: 1" = 40'-0"



1 AUDIO VISUAL SITE PLAN - BASEBALL & SOFTBALL FIELDS

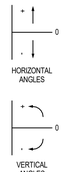
SCALE: 1" = 40'-0"

SPEAKER AIMING INFO (BASEBALL)							
Name	Model	MH	H	V	RS	RH	DT
S1	R.25-94TZ	22'	113.8	-5	0	0	0
S2	R.25-94TZ	22'	45.4	-24	0	0	0
S14	R.5-96MAX	50'	64	-10.21	0	0	0

ABBREVIATIONS

MH= Mouting Height in ft
H = Horizontal Direction in degree
V= Vertical Direction in degree
+ = Rotate Up or Counterclockwise
- = Rotate Down or Clockwise

RS = Rotate Speaker
RH = Rotate Horn
DT= Delay time in MS

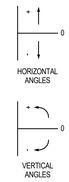


SPEAKER AIMING INFO (SOFTBALL)							
Name	Model	MH	H	V	RS	RH	DT
S3	R.25-94TZ	22'	-10	-32	0	0	0
S4	R.25-94TZ	22'	-82	32	0	0	0
S15	R.5-96MAX	50'	-70.8	-12.4	0	0	0

ABBREVIATIONS

MH= Mouting Height in ft
H = Horizontal Direction in degree
V= Vertical Direction in degree
+ = Rotate Up or Counterclockwise
- = Rotate Down or Clockwise

RS = Rotate Speaker
RH = Rotate Horn
DT= Delay time in MS



MHTN
ARCHITECTS
MHTN Architects, Inc.
280 South 400 West, Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
Telefax (801) 595-6717
www.mhtn.com

ENVISION ENGINEERING
240 E. MORRIS AVE. SUITE 200
SALT LAKE CITY, UT 84115
P. (801) 534-1130
www.envisioneng.com
ENV:2025-041.00

PARK CITY SCHOOL DISTRICT

TREASURE MOUNTAIN SPORTS COMPLEX

1750 KEARNS BLVD
PARK CITY, UT 84060

SEAL

REGISTERED PROFESSIONAL ENGINEER
DAVID P. WHITTON
No.264397
STATE OF UTAH

2025/05/12

MHTN PROJECT NO. 2017559

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE:

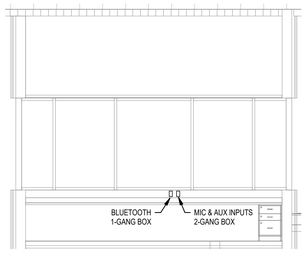
NO	DATE	DESCRIPTION

ISSUE
BID SET #1
MAY 12, 2025

SHEET NAME
AUDIO VISUAL SITE PLANS

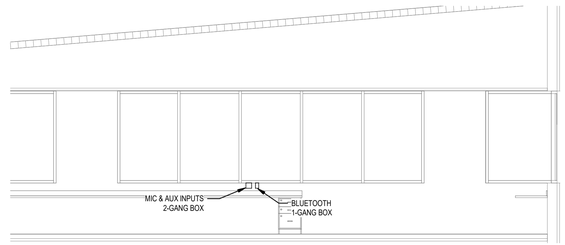
SHEET NUMBER
EA001

RETURN TO SHEET INDEX



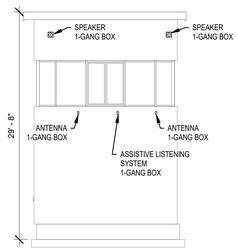
6 ENLARGED ANNOUNCER BOOTH B201 ELEVATION 1

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



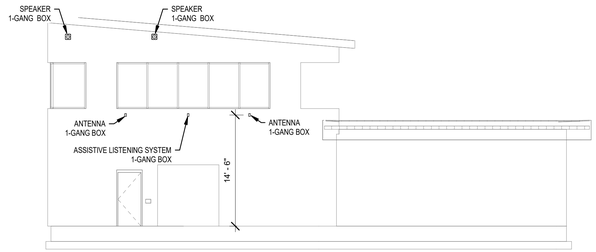
4 ENLARGED PRESSBOX ELEVATION

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



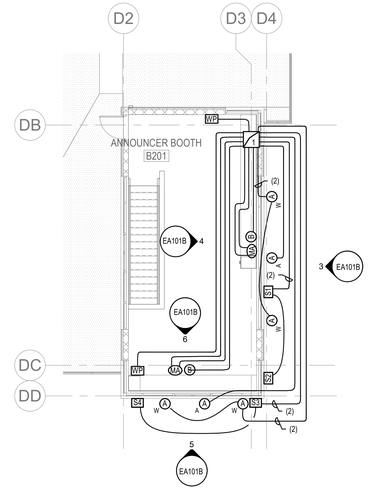
5 PRESSBOX OUTSIDE ELEVATION 2

SCALE: 1/8" = 1'-0"



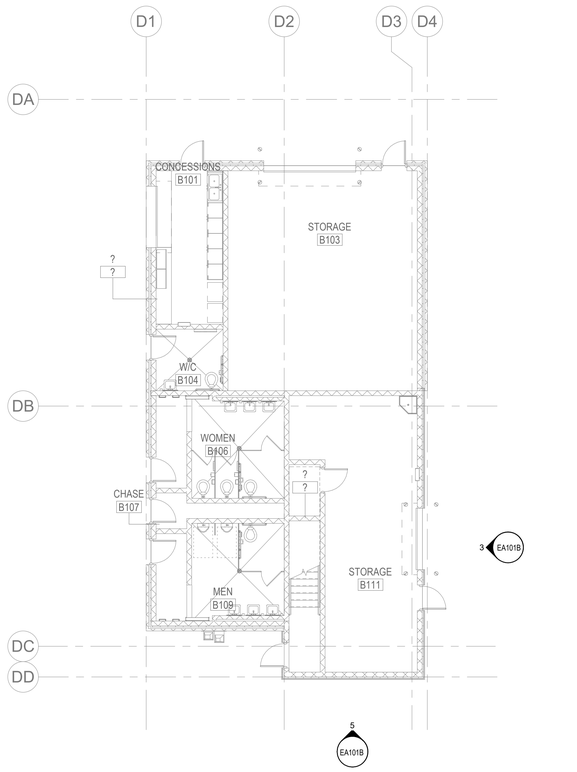
3 PRESSBOX OUTSIDE ELEVATION

SCALE: 1/8" = 1'-0"



2 SECOND FLOOR AV PLAN - PRESS BOX

SCALE: 1/8" = 1'-0"



1 FIRST FLOOR AUDIO VISUAL PLAN - PRESS BOX

SCALE: 1/8" = 1'-0"

AUDIO VISUAL BALL FIELD GENERAL NOTES:

1. ADJUST SPEAKER AIMING ANGLES ON-SITE TO OPTIMIZE SOUND SYSTEM COVERAGE.
2. NO CHANGES SHALL BE MADE WITHOUT THE AV CONSULTANT'S WRITTEN CONSENT.
3. PROVIDE #6 AWG THHN WIRE W/ GREEN INSULATION FROM EACH AV EQUIPMENT CABINET TO THE NEAREST MAIN BUILDING GROUND. CONNECT GROUNDING WIRE TO BARE METAL ON EQUIPMENT CABINET.
4. COLORS OF ALL SOUND DEVICES THAT ARE EXPOSED, INCLUDING INPUT AND OUTPUT PLATES, VOLUME CONTROLS, SWITCHES, SPEAKERS, SPEAKER ENCLOSURES, SPEAKER MOUNTING HARDWARE, ETC. SHALL BE REVIEWED AND APPROVED BY OWNER PRIOR TO ORDERING.
5. CABLE ROUTES SHOWN ON DRAWINGS DO NOT ACTUALLY REFLECT THE RACEWAYS. THE RACEWAYS SHALL BE DETERMINED IN THE FIELD.
6. REFER TO RISER DIAGRAMS AND EQUIPMENT LISTS FOR THE TYPES AND NUMBERS OF WIRES REQUIRED FOR EACH AV DEVICE.
7. SETUP COMPRESSORS AND LIMITERS IN ALL OF THE DSPS TO PROTECT THE AMPLIFIERS AND SPEAKERS. ALSO, SETUP A PASSWORD ON THE DSPS, TO CONTROL THE ACCESS TO THEM. COORDINATE W. OWNER TO DETERMINE APPROPRIATE PASSWORDS.
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   - B. SLOPE DOWN ALONG AN APPROXIMATED 3 DBA PER OCTAVE SLOPE FROM 0 TO 71HZ AND 17KHZ AND UP.

KEYED NOTES (#)

MHTN ARCHITECTS
MHTN Architects, Inc.
280 South 400 West, Suite 250
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Telephone (801) 595-6700
Telefax (801) 595-6717
www.mhtn.com

ENVISION ENGINEERING
240 E. MORRIS AVE. SUITE 200
SALT LAKE CITY, UT 84115
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PARK CITY, UT 84060

SEAL

2025/05/12

MHTN PROJECT NO. 2017559

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ISSUE
BID SET #1
MAY 12, 2025

SHEET NAME
AUDIO VISUAL PLANS - PRESS BOX

SHEET NUMBER
EA101B

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AUDIO/VIDEO EQUIPMENT LIST (SOCCER FIELD)

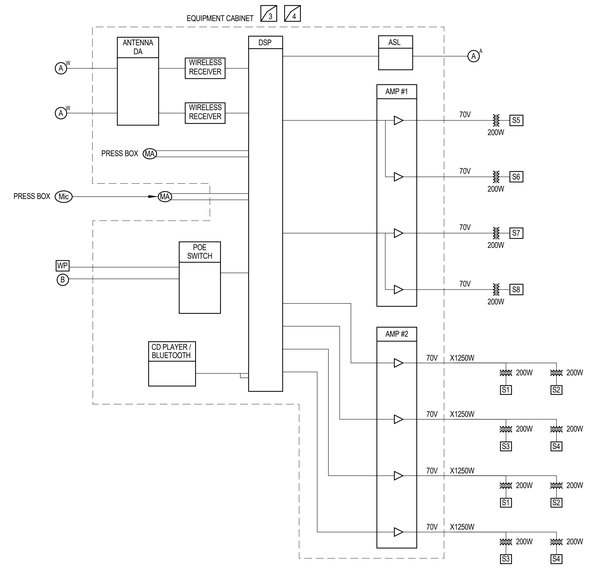
SYMBOL	DESCRIPTION	QTY/ROOM	SUPPLIER	MODEL	ROUGH-IN	CABLE
/3 /4	EQUIPMENT CABINET: 21 RU SEC WALL RACK, 22' DEEP FRONT DOOR	 1 1	MIDDLE ATLANTIC	DWR21-22PD	8"X12"X4" OR SIZE TO FIT JUNCTION BOX	
	RACK DRAWER, 3RU	1	MIDDLE ATLANTIC	UD3		
	BLANK PANEL	A/R	LOWELL	1RU, 2RU, 3RU		
	12X8 DIGITAL SIGNAL PROCESSOR	1	SYMETRIX	RADIUS NX12X8		
	ANTENNA DISTRIBUTOR	1	SHURE	UA844+SWB/LC		
	WIRELESS MICROPHONE SYSTEM	1	SHURE	QLXD14/83		
	HANDHELD	1	SHURE	QLXD24/SM58		
	LITHIUM-ION RECHARGEABLE BATTERIES FOR SHURE TRANSMITTERS	2	SHURE	SB900A		
	CHARGING STATION	1	SHURE	SBC200-US		
	POWER CONDITIONER	2	FURMAN	PL-PRO C		
	SUPERCARDIOD HH MIC	1	SHURE	BETA 58A		
	MIC CORD 50'	1	AUDIO TECHNICA	AT8314-50		
WP	ETHERNET CONTROLLER MOUNTING HARDWARE	1 A/R	SYMETRIX	T-5 GLASS	2-GANG BOX 3/4" C. TO ACCESSIBLE CEILING SPACE	WEST PENN 254246A
MA	MIC / MP3 INPUT JACK & PLATE	2 2	RDL RDL	DS-MJPT DS-J1	2-GANG BOX (2) 3/4" C. THROUGHOUT	WEST PENN 252191
	PAGING MICROPHONE, DESKTOP	1	SHURE	MX412 D/C		
	POWER STRIP	1	MIDDLE ATLANTIC	PD-915R-PL		
	POE SWITCH AND SHELF	1	HP	J9774A ARUBA 2530 8G POE+		WEST PENN 254246A
	CD PLAYER / BLUETOOTH	1	TASCAM	CD-200BT		
S2M	STEREO TO MONO	2	EXTRON	ASA 141		
A W	WIRELESS ANTENNA WITH DOOR POLE MOUNTED	2	RF VENUE	CP STAGE ANTENNA	1-GANG BOX WITH PLATE 3/4" C. THROUGHOUT	WEST PENN 2598G8
ALS A A	ASSISTIVE LISTENING SYSTEM RF TRANSMITTER REMOTE ANTENNA	 1 1	LISTEN	 LS-30-07 LA-122	 1-GANG BOX WITH PLATE 3/4" C. THROUGHOUT	 WEST PENN 25812
B	BLUETOOTH INPUT	1	SYMETRIX	XIO	FSR DESKB-1G, SECURE MOUNT THE BACK BOX ON THE COUNTERTOP	
S5 S6	SPEAKERS 90° X 60° MOUNTING HARDWARE	2 2	BIAMP CUSTOM	R.25-94TZ	1-GANG BOX 3/4" C. THROUGHOUT	WEST PENN AQ295
S7 S8	SPEAKERS 90° X 40° MOUNTING HARDWARE	2 2	BIAMP CUSTOM	R.25-94TZ	1-GANG BOX 3/4" C. THROUGHOUT	WEST PENN AQ295
AMP1	AMP 70V X 600W	1	CROWN	DCI 4/600		
AMP2	AMPLIFIER #2, 4 CH, 1250W X 70V	1	CROWN	DCI 4/1250		
S1 S2 S3 S4	SPEAKER, 60°X60° MOUNTING HARDWARE	8 8	BIAMP CUSTOM	R.566TZ	1-GANG BOX 3/4" C. THROUGHOUT	WEST PENN AQ295

A/R = AS REQUIRED

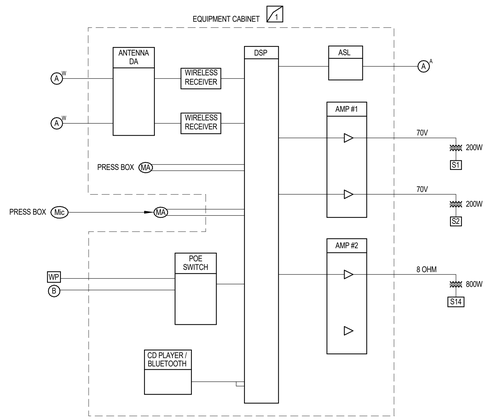
AUDIO/VIDEO EQUIPMENT LIST (BASEBALL OR SOFTBALL FIELDS)

SYMBOL	DESCRIPTION	QTY / RM	SUPPLIER	MODEL	ROUGH-IN	CABLE
/1	EQUIPMENT CABINET: SHARED 36 RU SEC WALL RACK, 22' DEEP GRASS DOOR	 1 1	MIDDLE ATLANTIC	DWR-36-22PD	12"X12"X4" OR SIZE TO FIT JUNCTION BOX	
	RACK DRAWER, 3RU	1	MIDDLE ATLANTIC	UD3		
	BLANK PANEL	A/R	LOWELL	1RU, 2RU, 3RU		
	AMPLIFIER, #1 AMPLIFIER, #2, 8 OHMS	1 1	CROWN CROWN	DCI 2/600 DCI 2/1250		
S1 S2 OR S3 S4	SPEAKER WITH YOKE MOUNT	2	BIAMP	R.25-94TZ	1-GANG BOX, WEATHERPROOF 1" C.	WEST PENN AQ296
	CD PLAYER	1	TASCAM	CD-200BT		WEST PENN 25291B
	ANTENNA DISTRIBUTOR	1	SHURE	UA844+SWB/LC		
	WIRELESS MICROPHONE SYSTEM HANDHELD AND BODY PACK	1 1	SHURE SHURE	QLXD14/93 QLXD2/SM58		
	POE SWITCH AND SHELF	1	HP	J9774A ARUBA 2530 8G POE+		WEST PENN 254246A
	LITHIUM-ION RECHARGEABLE BATTERIES FOR SHURE TRANSMITTERS	2	SHURE	SB900A		
	CHARGING STATION	1	SHURE	SBC200-US		
A W	WIRELESS ANTENNA WITH DOOR POLE MOUNTED	2	RF VENUE	CP STAGE ANTENNA	1-GANG BOX WITH PLATE 3/4" C. THROUGHOUT	WEST PENN 2598G8
	POWER STRIP	1	MIDDLE ATLANTIC	PD-915R-PL		
B	12X8 DIGITAL SIGNAL PROCESSOR	1	SYMETRIX	RADIUS 12X8		
	POWER CONDITIONER	1	FURMAN	PL-PRO C		
	SUPERCARDIOD HH MIC	1	SHURE	BETA 58A		
	MIC CORD 50'	1	AUDIO TECHNICA	AT8314-50		
WP	WALL PANEL 48" AFF	1	SYMETRIX	T-5GLASS	2-GANG 3/4" C. THROUGHOUT	WEST PENN 254246
MA	MIC / MP3 INPUT JACK & PLATE 18" AFF	2 2	RDL RDL CUSTOM	D-MJPT DS-JI 2-GANG DECOR PLATE	2 GANG 3" DEEP (2) 3/4" C. THROUGHOUT OUTLET HEIGHT	(3) WEST PENN 252191B
	STEREO TO MONO TRANSFORMER	1	EXTRON	ASA 141		
ALS	TRANSMITTER (216MHZ)	LISTEN	LS-30-07			
A A	ASISTIVE LISTNING SYSTEM ANTENNA	1	LISTEN	LA-122	1-GANG BOX 3/4" C. THROUGHOUT	WEST PENN 25812
Mic	PAGING MICROPHONE	1	SHURE	MX412D/C		
B	BLUETOOTH INPUT 18" AFF	1 1	SYMETRIX	XIO	1-GANG BOX 3/4" C. THROUGHOUT	WEST PENN 254246A
S13 OR S14	SPEAKERS, SPEAKER MOUNTING HARDWARE	1 1	BIAMP CUSTOM	R.5-96MAX	1-GANG BOX POLE MOUNT	WEST PENN AQ296

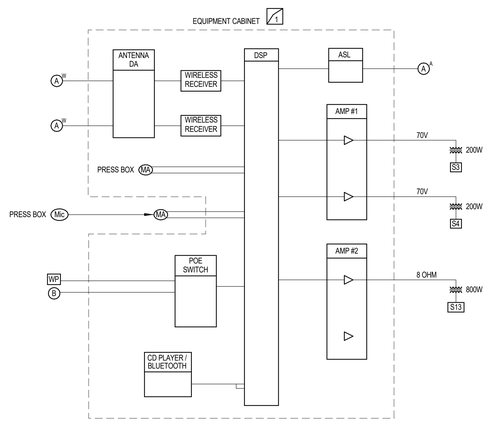
A/R = AS REQUIRED



1 AUDIO SYSTEM RISER (SOCCER FIELD)
SCALE: NONE



2 AUDIO SYSTEM RISER (BASEBALL FIELD)
SCALE: NONE



3 AUDIO SYSTEM RISER (SOFTBALL FIELD)
SCALE: NONE

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MHTN Architects, Inc.
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ISSUE
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MAY 12, 2025

SHEET NAME
AUDIO VISUAL RISER AND EQUIPMENT LISTS

SHEET NUMBER
EA701

RETURN TO SHEET INDEX