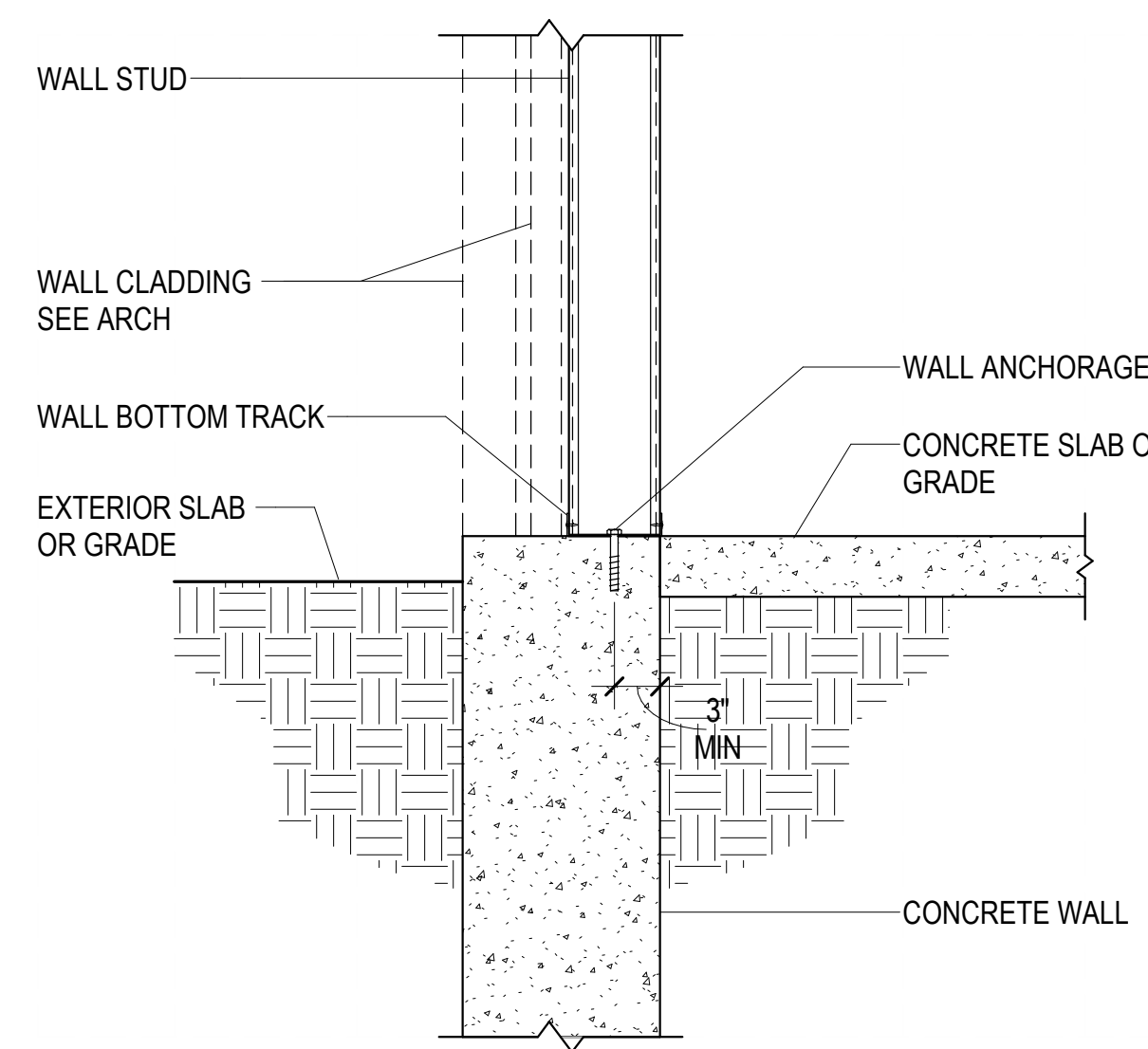
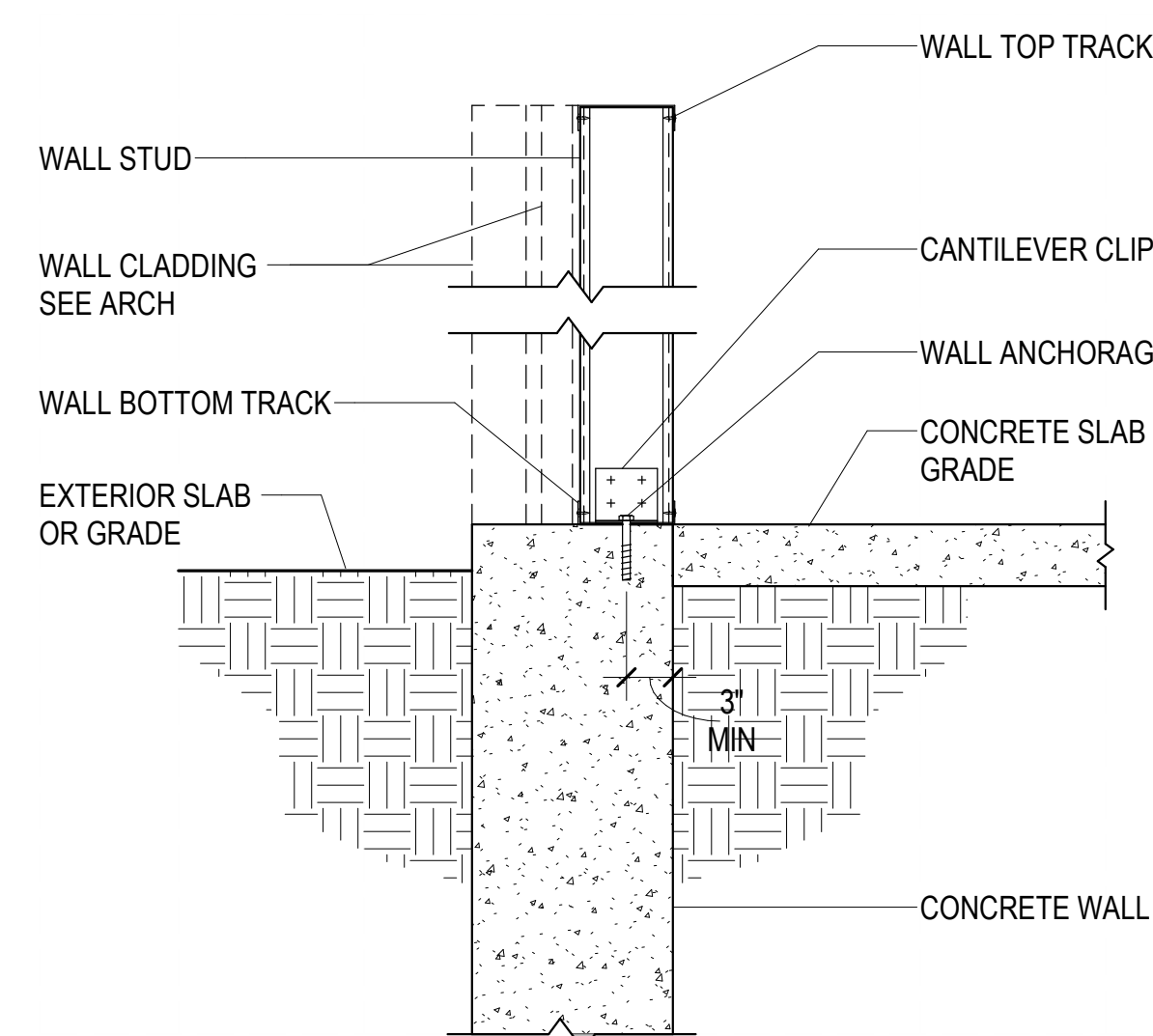




D1 TYPICAL STEEL STUD WALL DETAIL AT CONCRETE WALL
SW506 NO SCALE

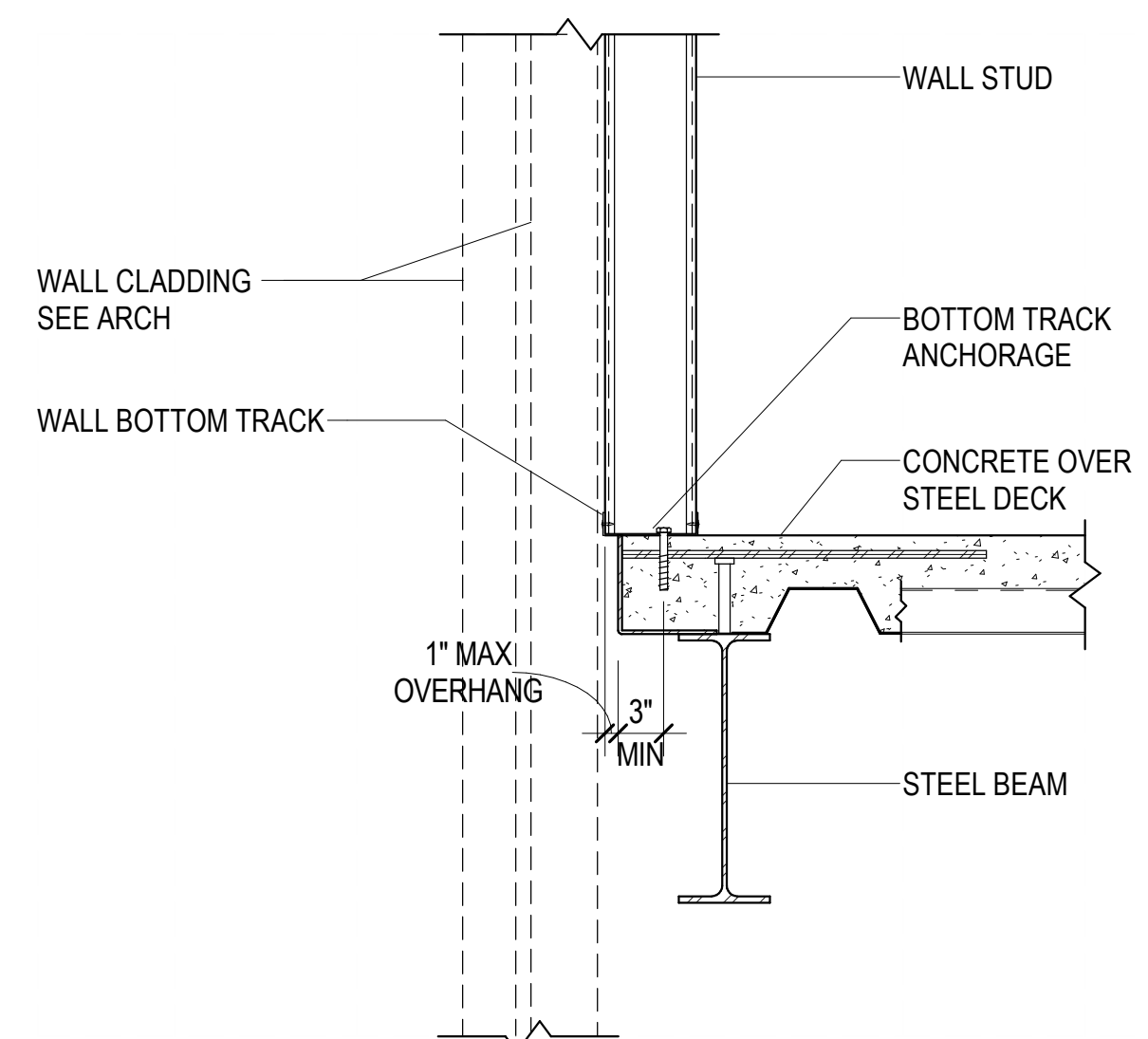


CANTILEVERED STEEL STUD WALL DETAIL AT CONCRETE WALL

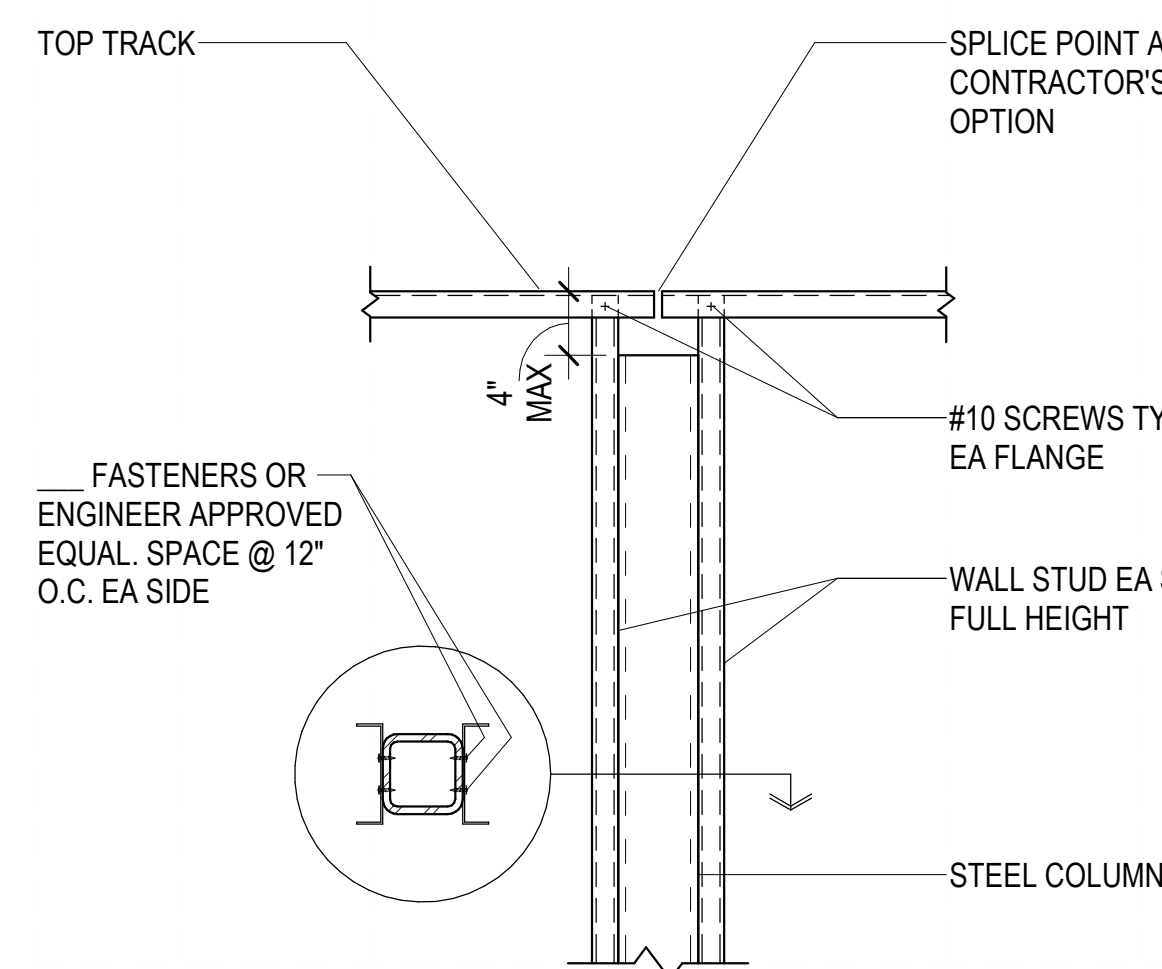
D2

SW506

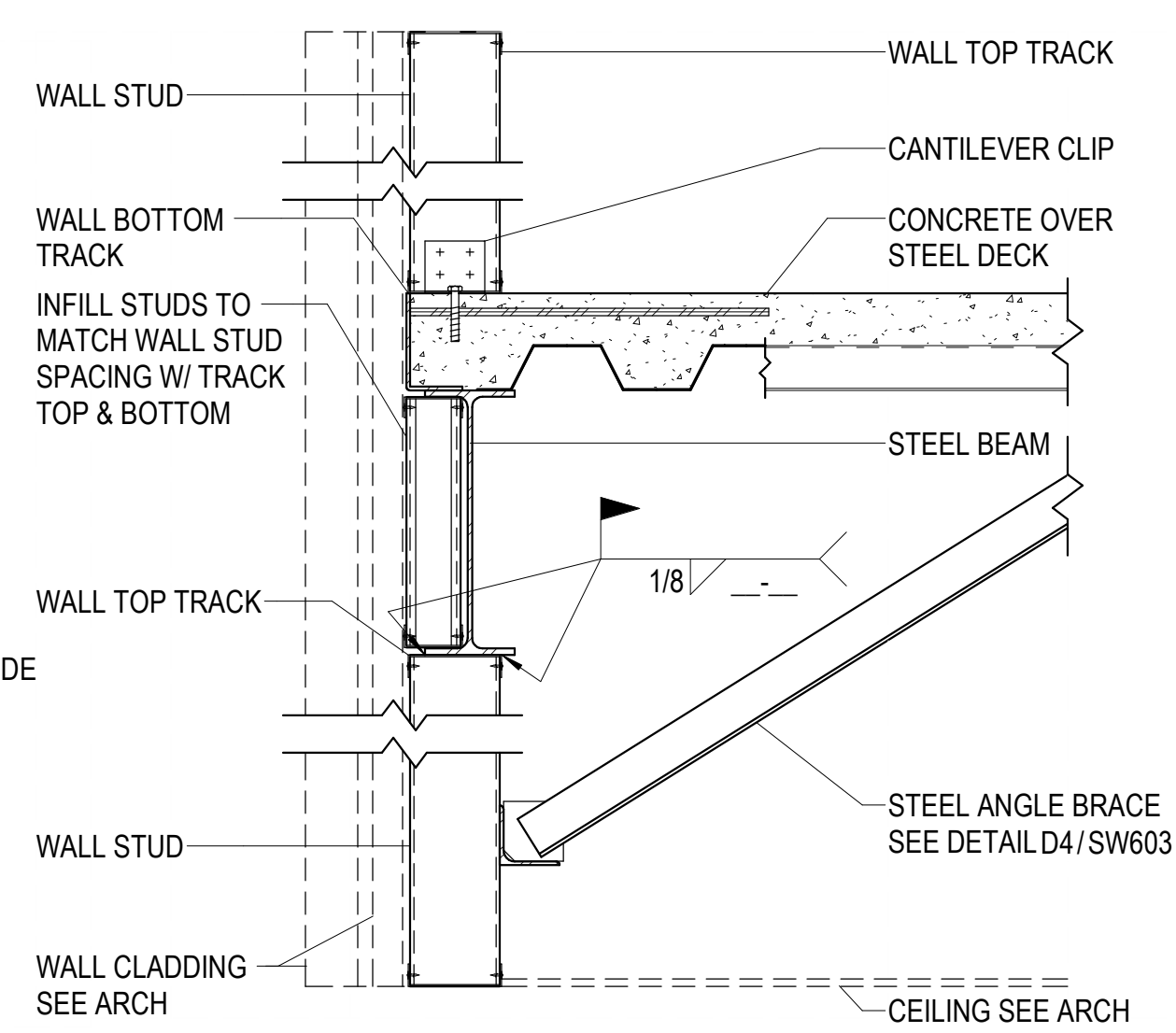
NO SCALE



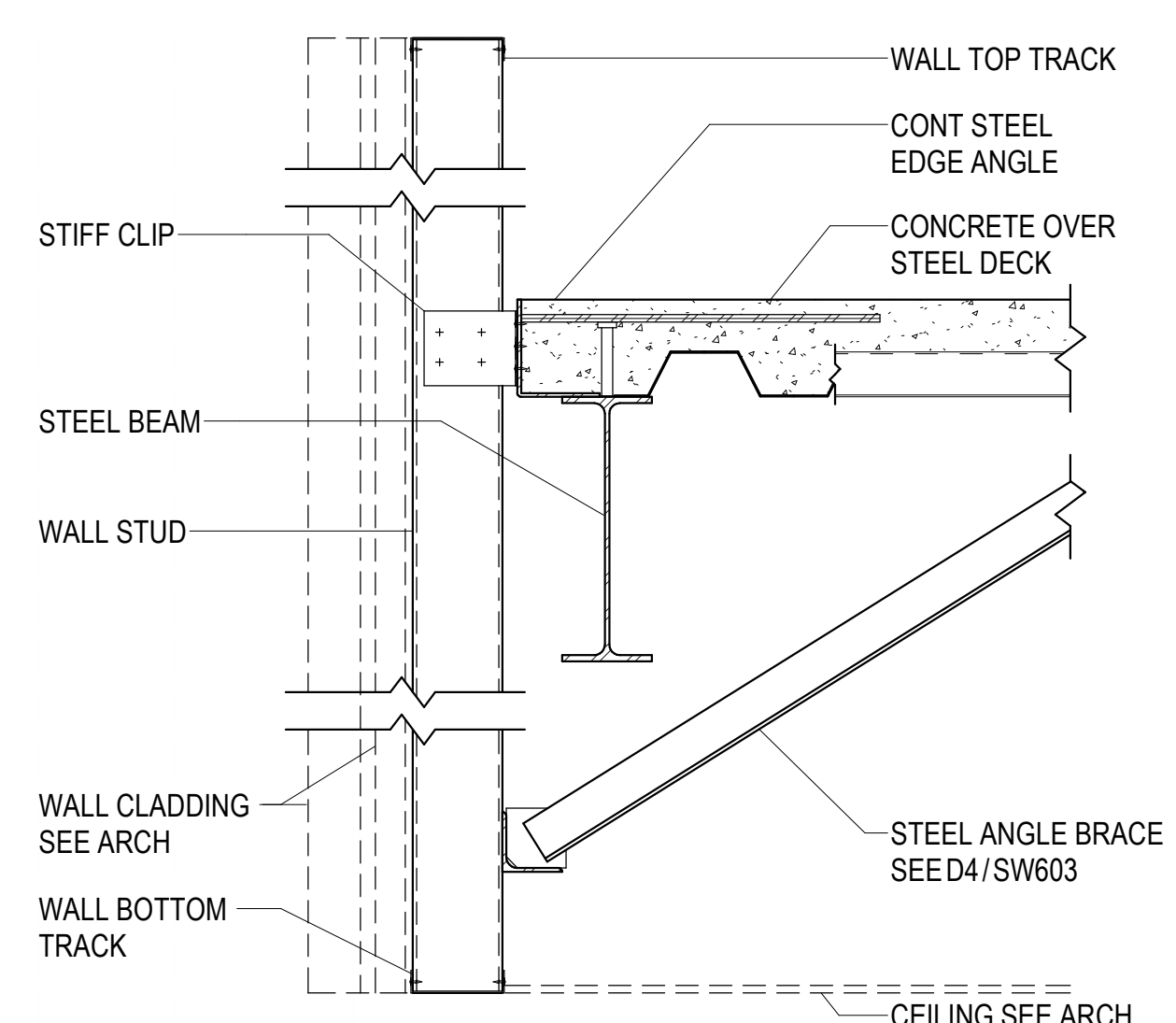
C1 TYPICAL STEEL STUD WALL BASE DETAIL
SW506 NO SCALE



D3 WALL TRACK CONNECTION TO CLADDING SUPPORT POST
SW506 NO SCALE



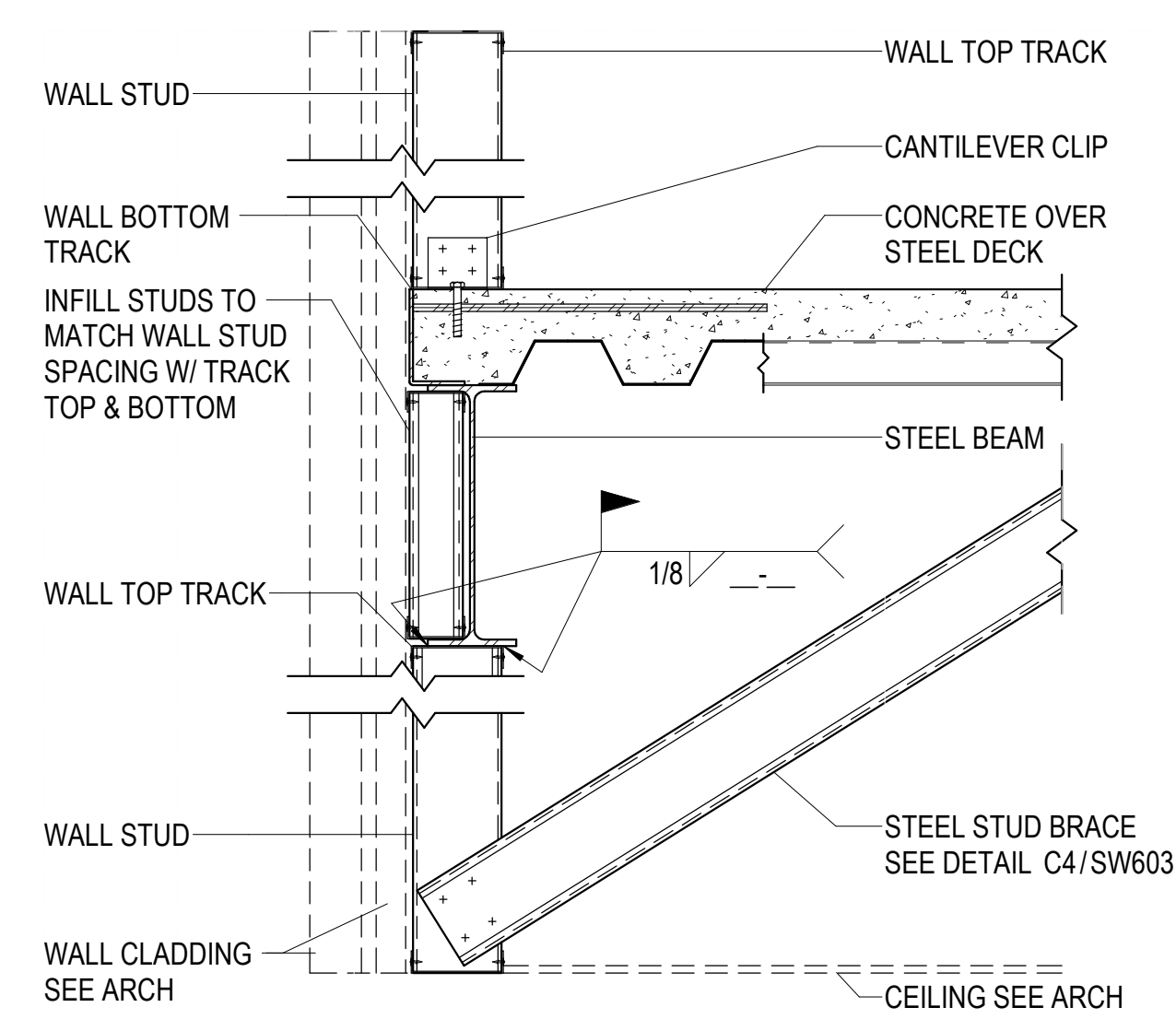
D4 STEEL STUD WALL DETAIL - OPENING BRACED TO DECK
NO SCALE



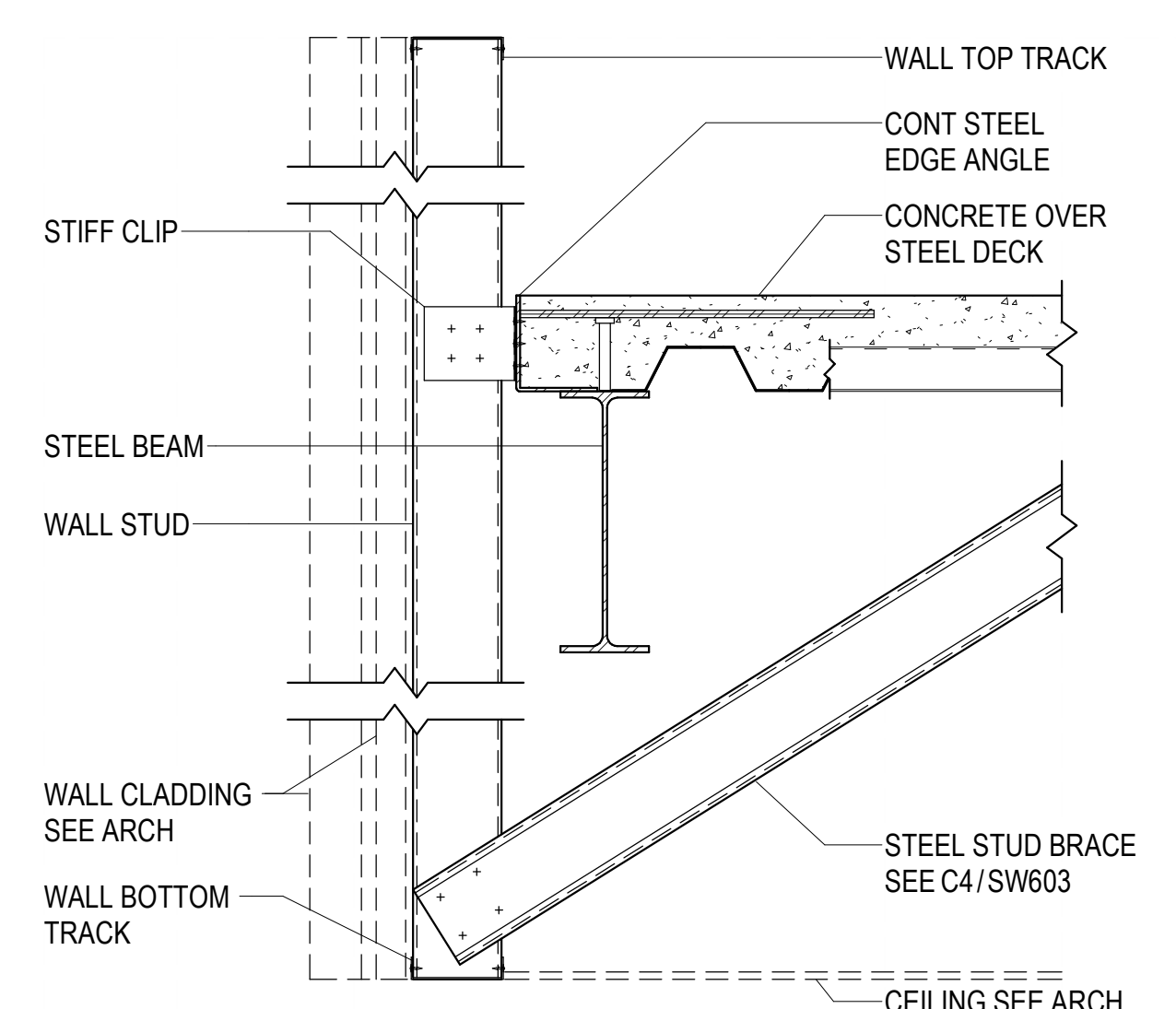
STEEL STUD WALL BYPASS DETAIL AT OPENING BRACED
TO DECK

C4
SW506

NO SCALE

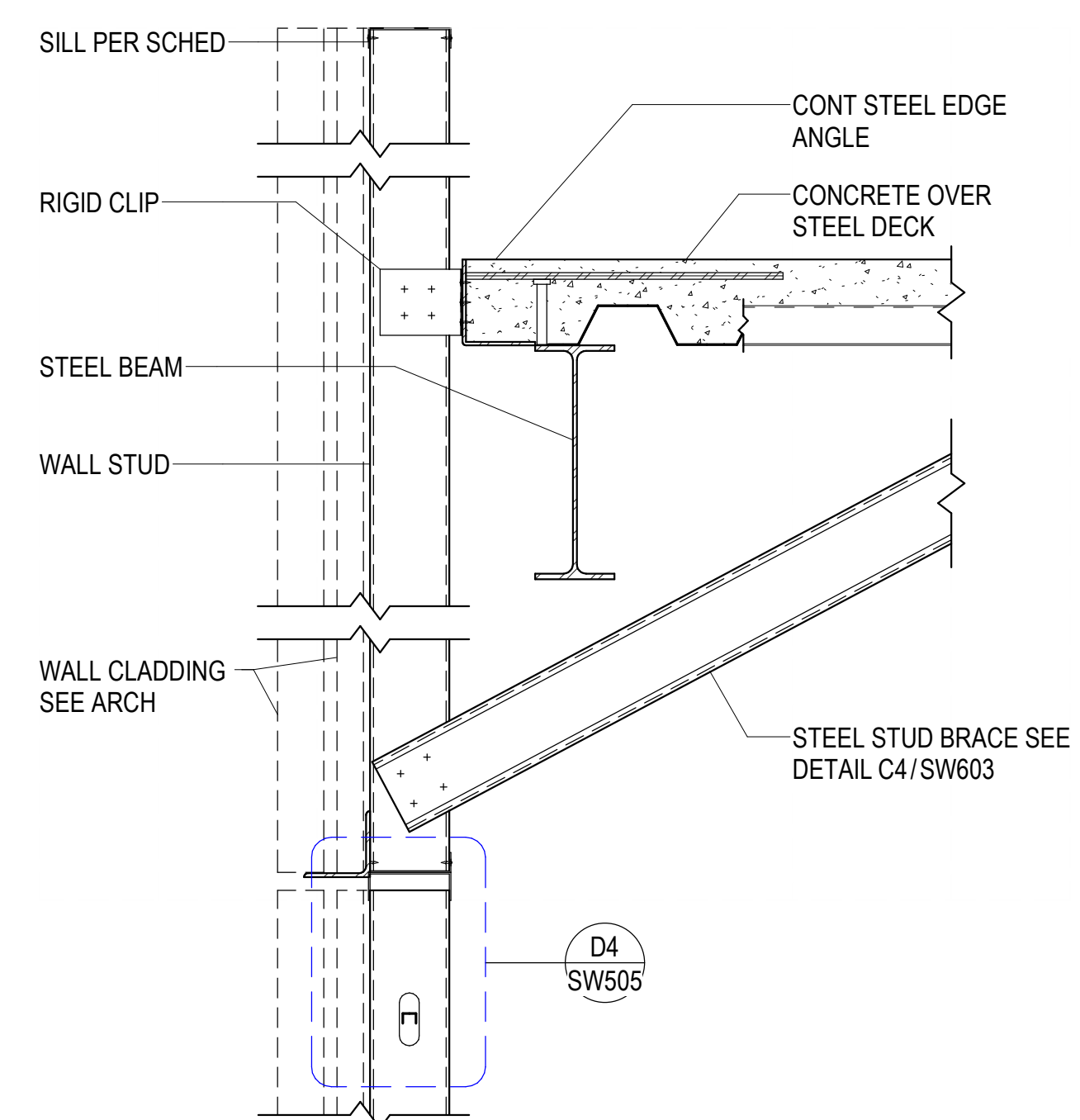


D5 STEEL STUD WALL DETAIL - OPENING BRACED TO DECK
SW506 NO SCALE



STEEL STUD WALL BYPASS DETAIL AT FRAMED OPENING
BRACED TO DECK

C5
SW506 NO SCALE



B5 STEEL STUD WALL BYPASS DETAIL - BRACED TO DECK
SW506 NO SCALE

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M/P/FP ENGINEER
RESOLUT GROUP
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MURRAY, UTAH 84107

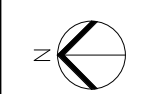
E/T ENGINEER
LYNK ENGINEERS
324 SOUTH STATE STREET, SUITE 400
SALT LAKE CITY, UTAH 84111



**UTAH VALLEY SPORTS
PERFORMANCE CENTER**

SEAL & SIGNATURE

KEY PLAN



REVISION		
NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER

27487.000

DATE
08/26/2026

ISSUE
DESIGN DEVELOPMENT

SHEET TITLE

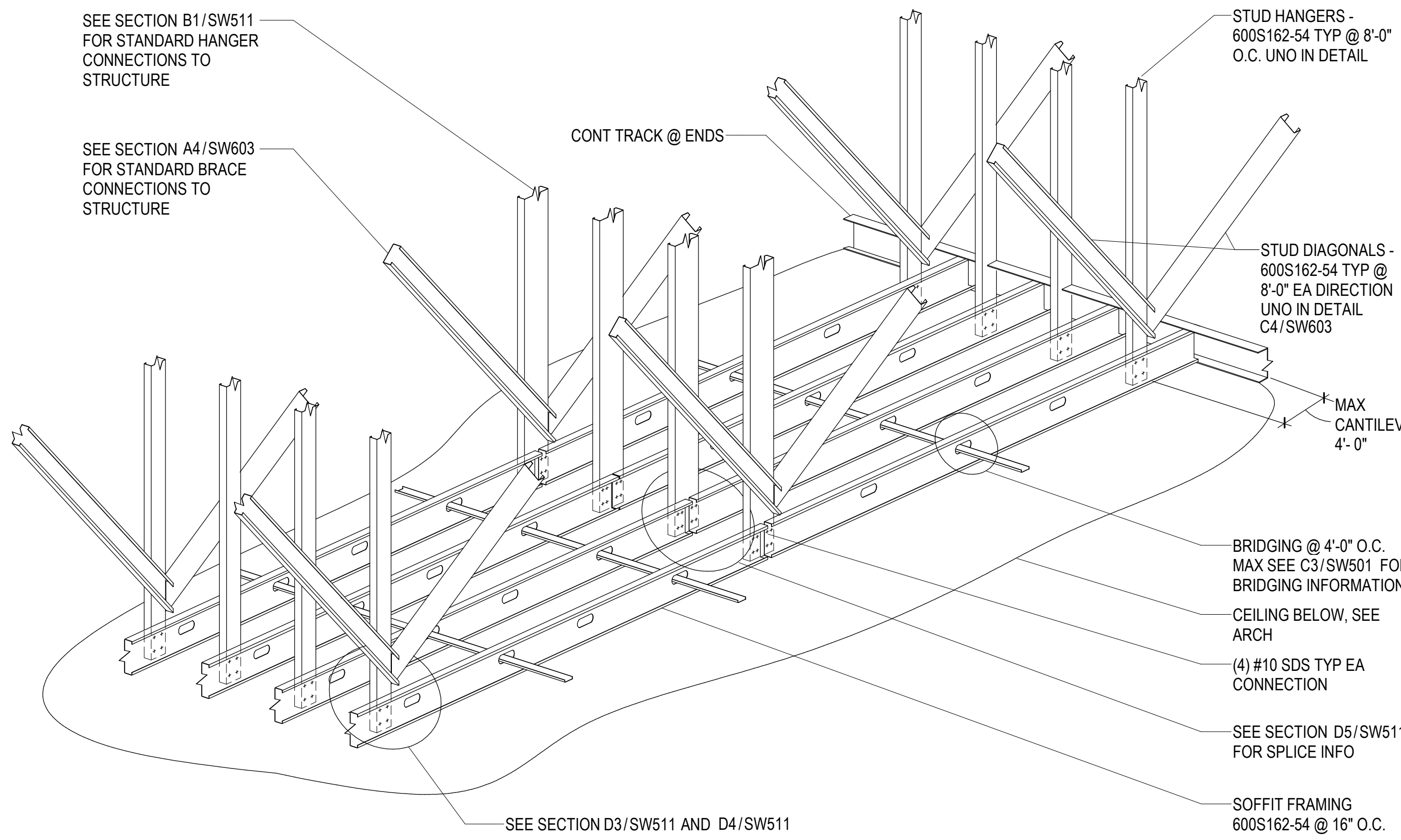
**EXTERIOR STEEL STUD
DETAILS**

SHEET NO.

SW506

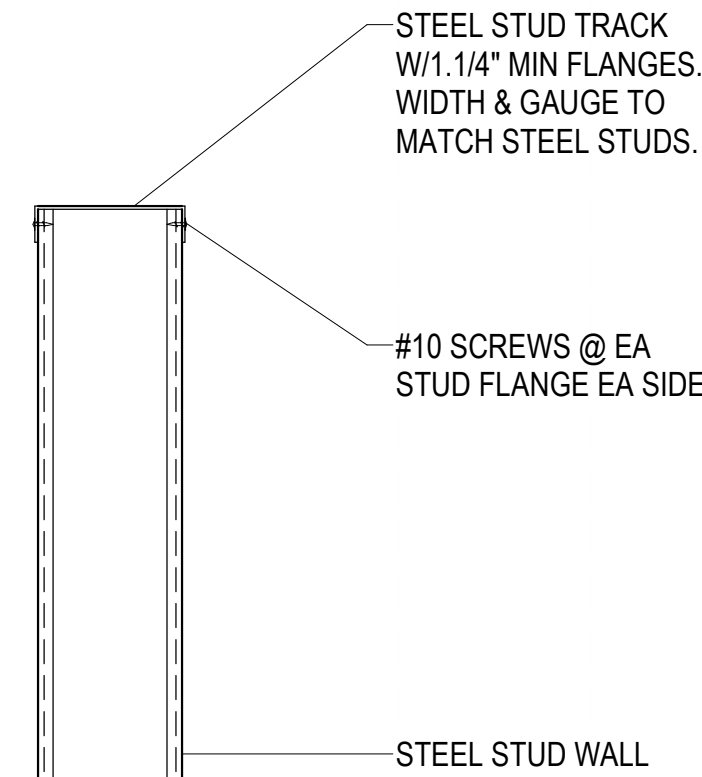
HKS, INC.

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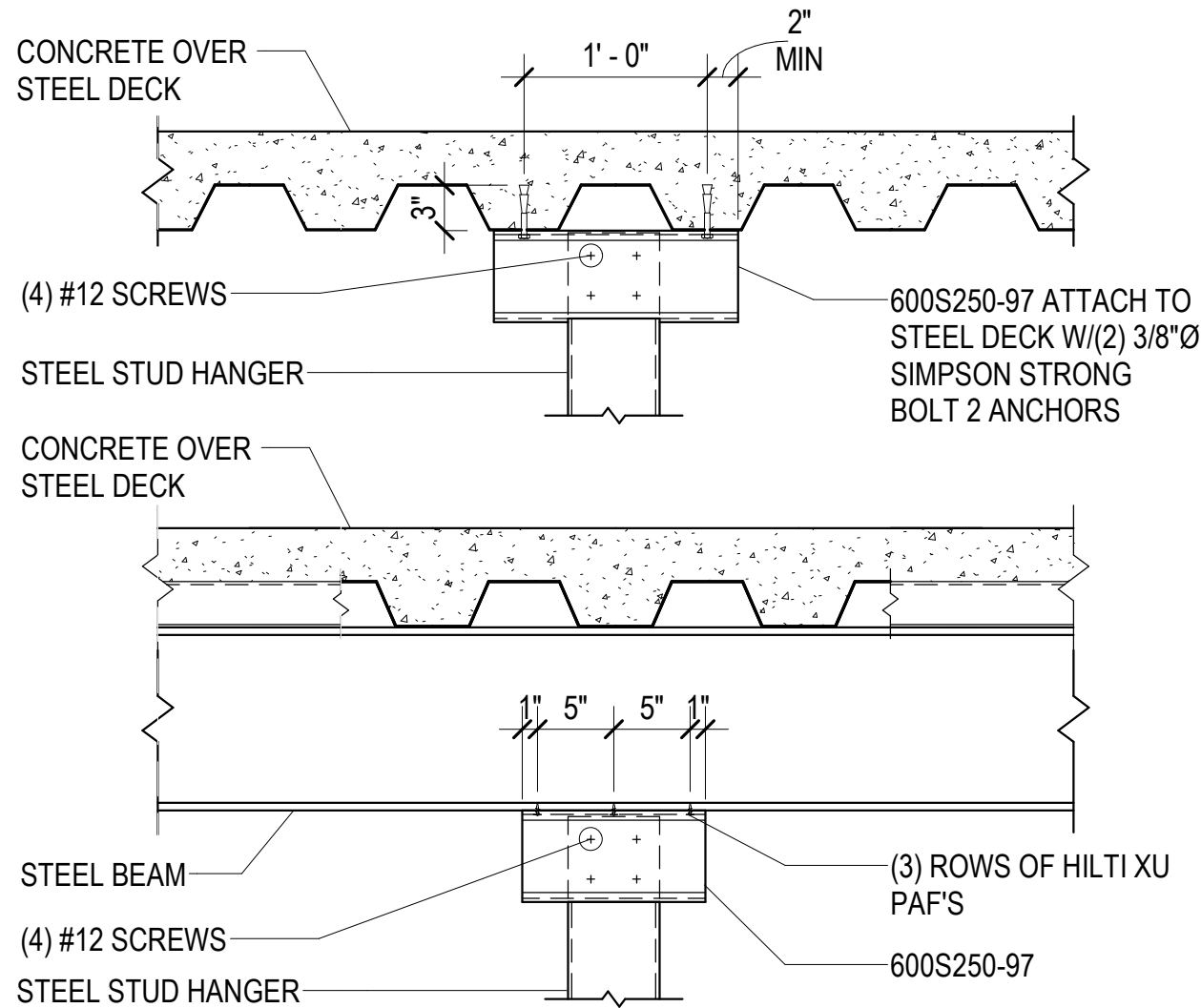


D1 TYPICAL SOFFIT FRAMING DETAIL
SW511/ NO SCALE

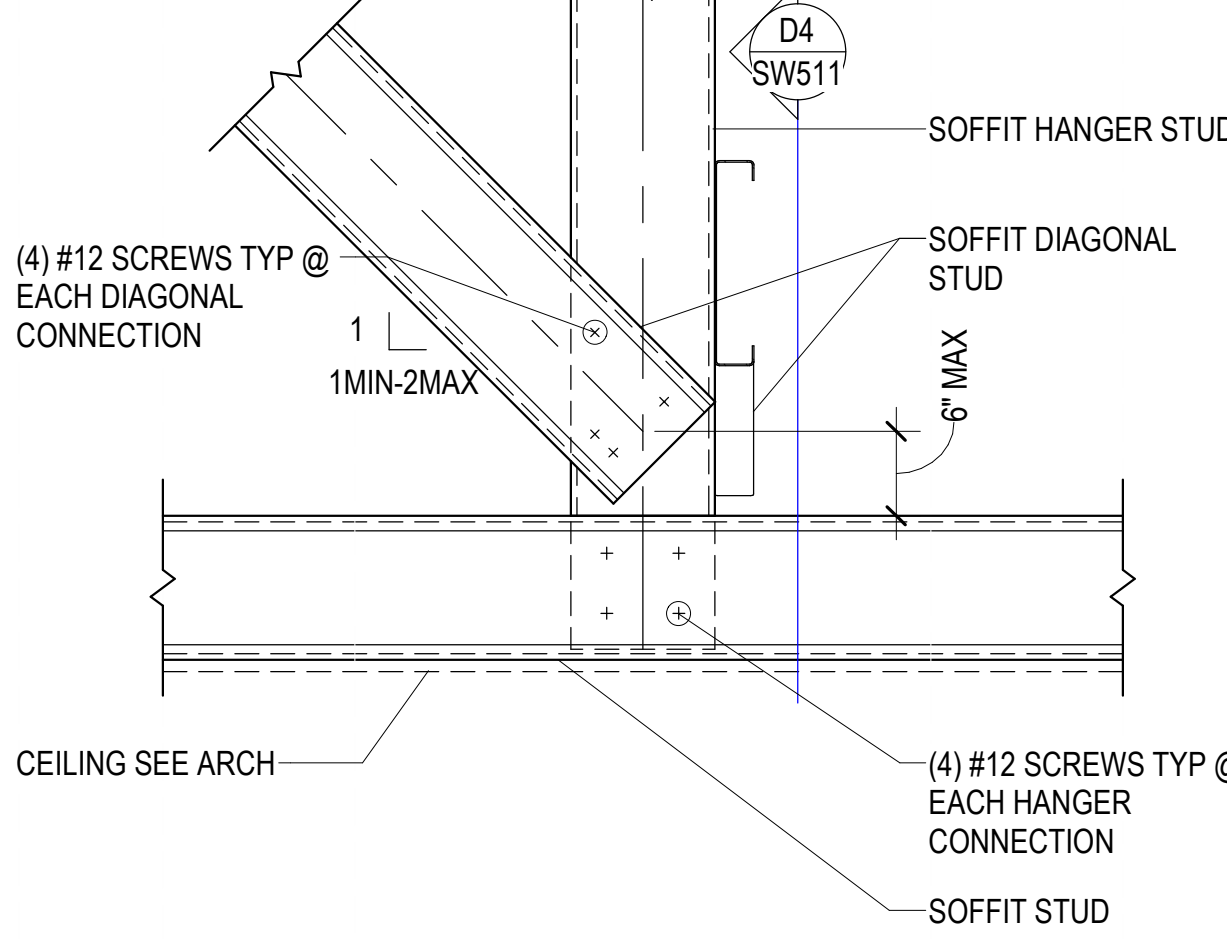
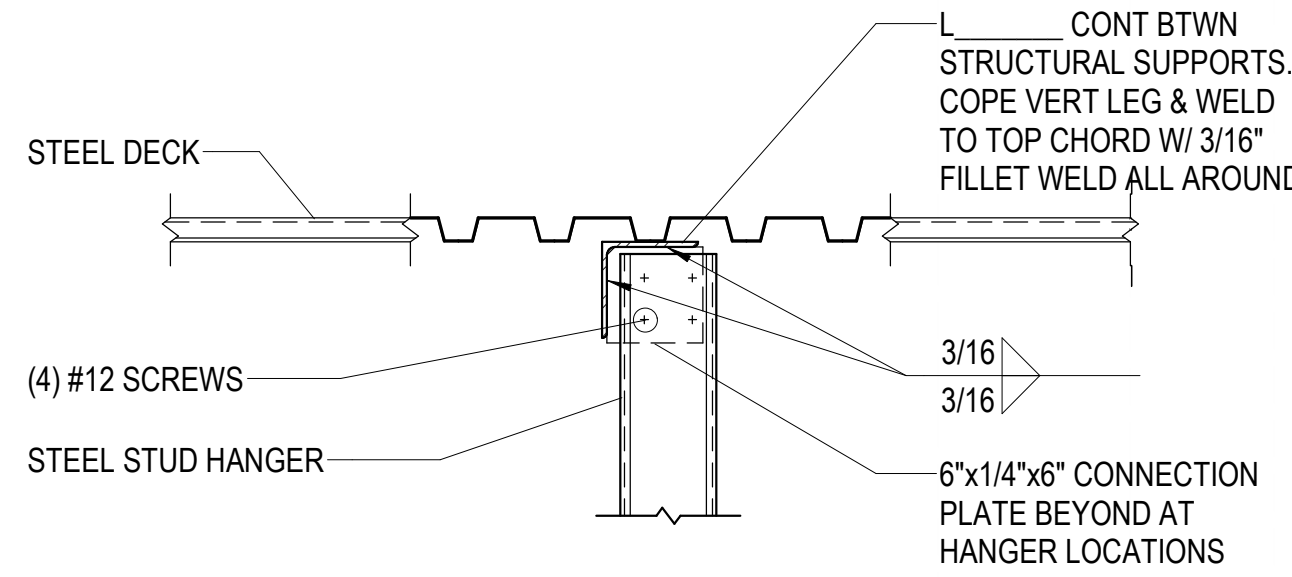
COLD FORMED SOFFIT FRAMING SCHEDULE		
MAX UNBRACED SPAN (LENGTH)	STUD SIZE	STUD SPACING
7'-0"	362S162-43	16" O.C.
NOTES: 1. PROVIDE INTERMEDIATE VERTICAL SUPPORTS AT SOFFIT FRAMING PER DETAIL D1/SW511 AS REQ'D TO MEET MAX UNBRACED SPAN LENGTH PER SCHEDULE. 2. INSTALL JOIST BRIDGING OR FLAT STRAPS @ 4'-0" O.C. SIM TO DETAIL C3/SW501 AT JOIST SOFFIT FRAMING, TYP.		



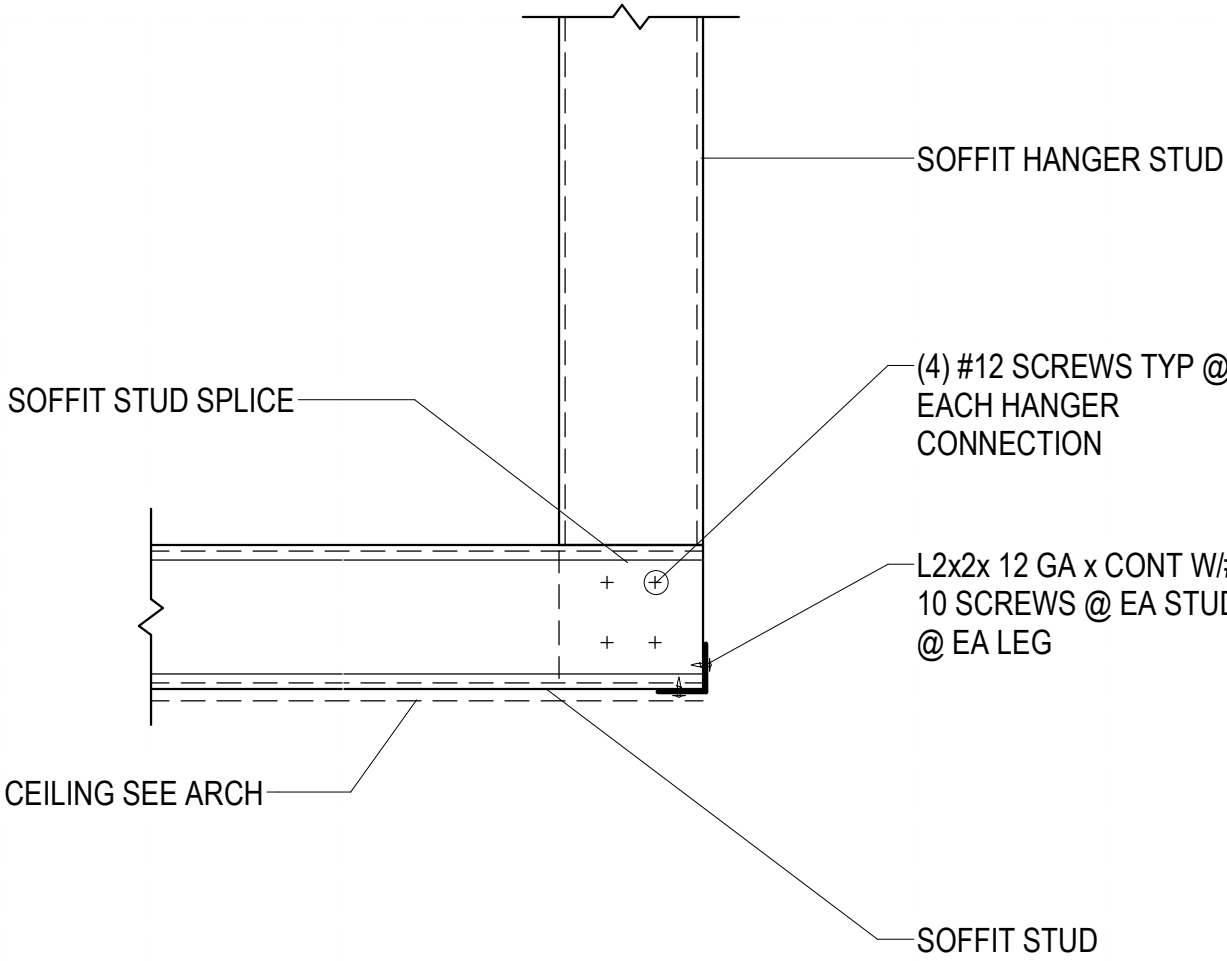
C2 TYPICAL STEEL CLOSURE TRACK DETAIL
SW511/ NO SCALE



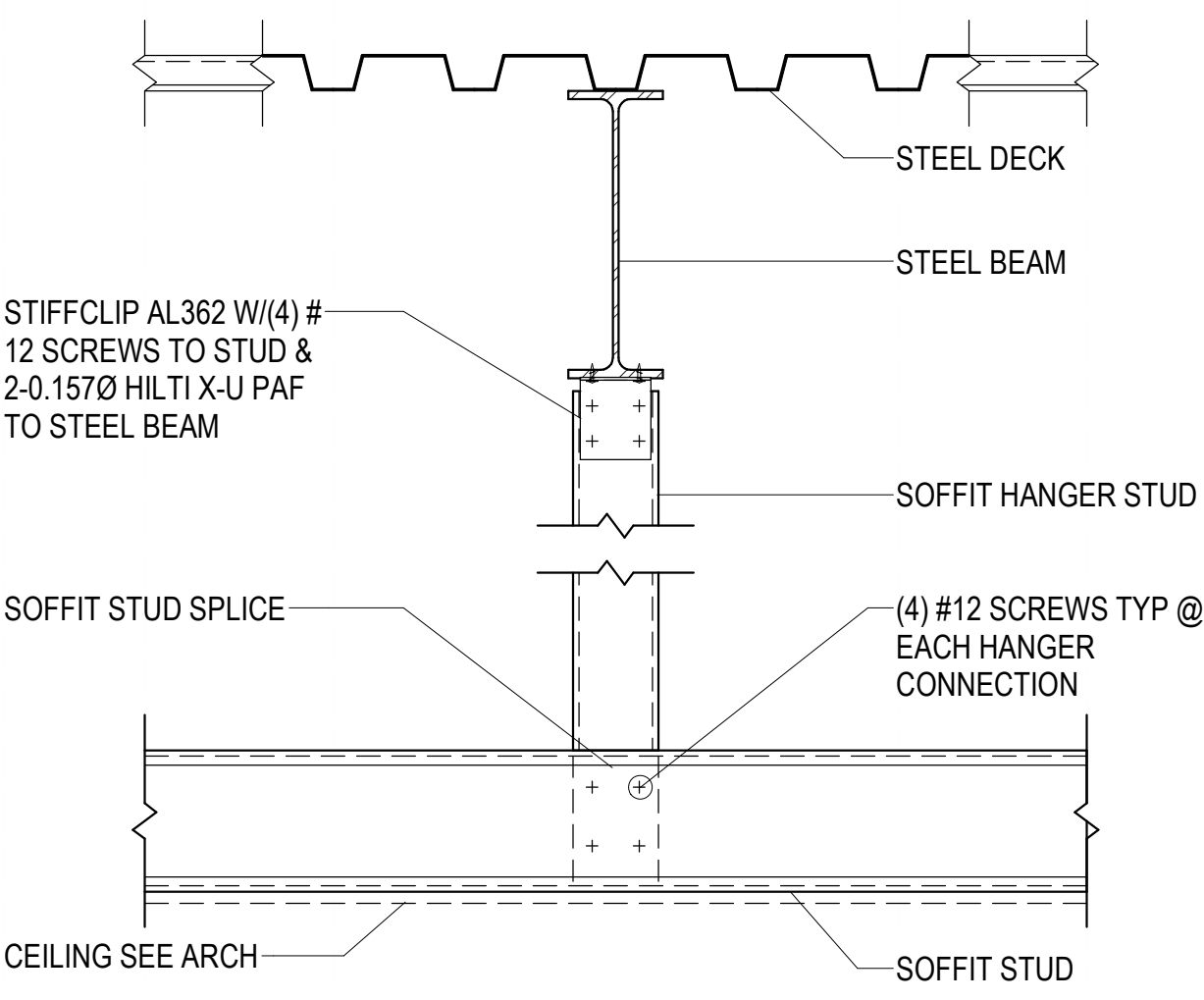
B1 TYPICAL STEEL STUD HANGER CONNECTION TO STEEL BEAM/DECK
SW511/ NO SCALE



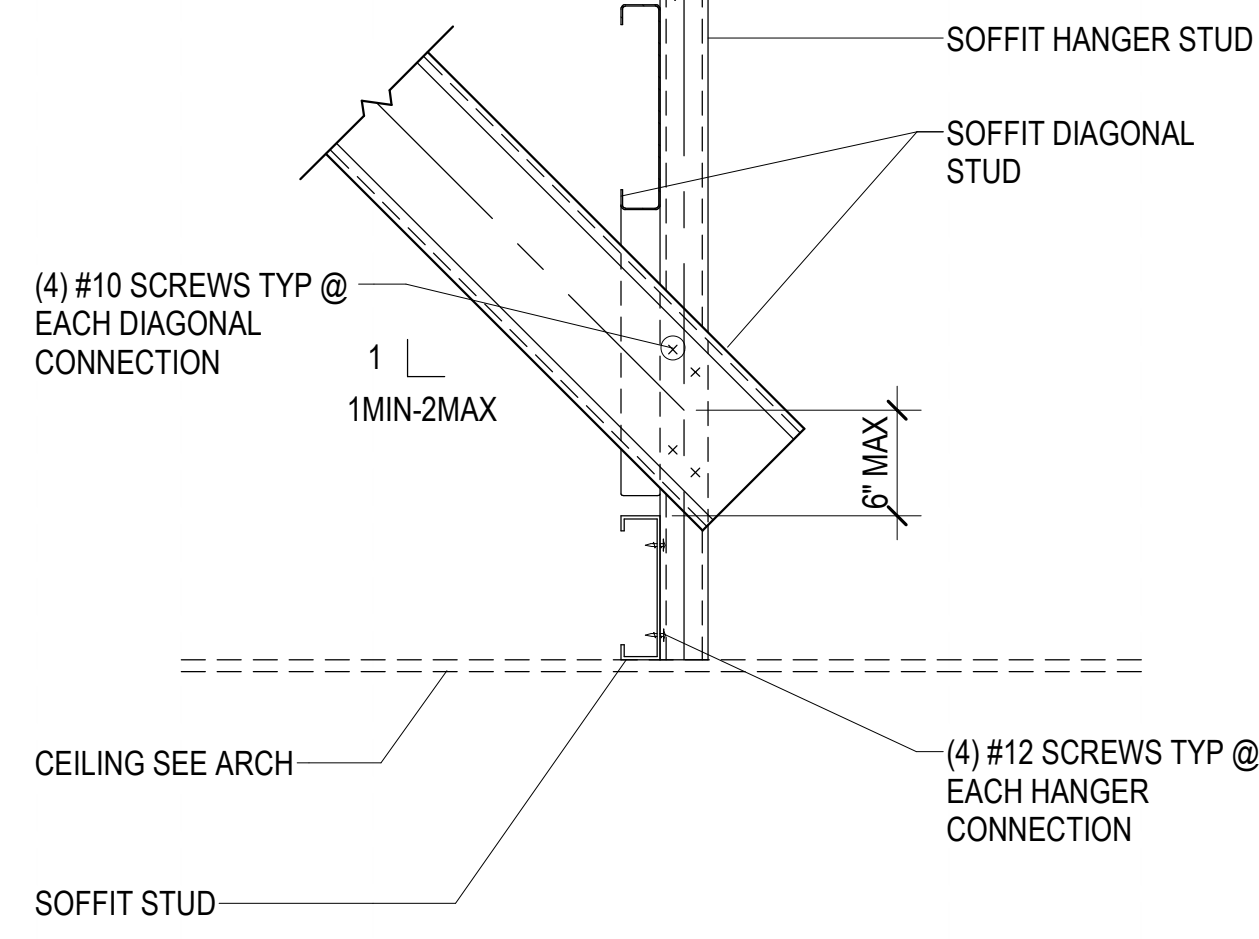
D3 TYPICAL HANGER CONNECTION WITH DIAGONAL BRACE
SW511/ NO SCALE



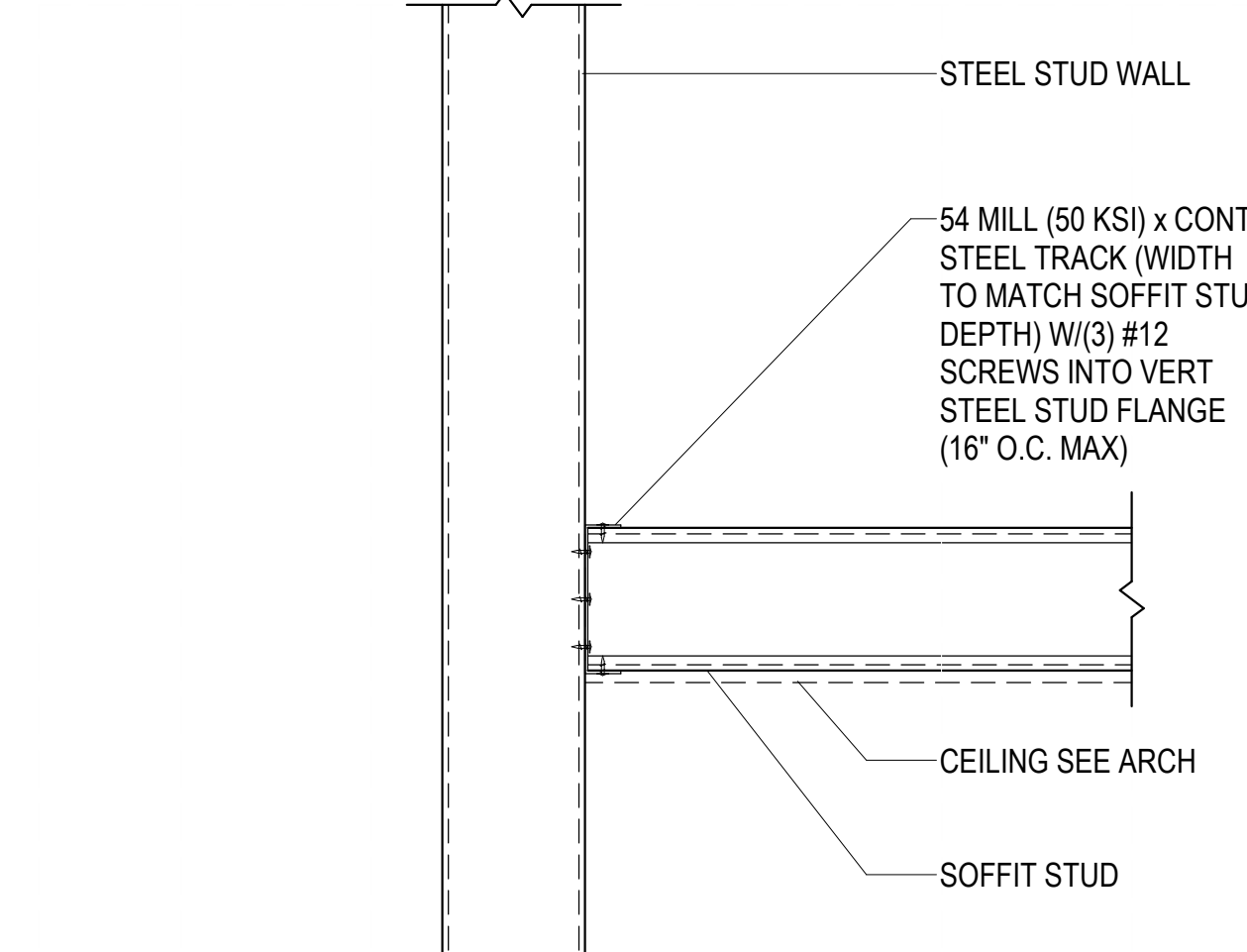
C3 TYPICAL SOFFIT STUD SPLICE DETAIL
SW511/ NO SCALE



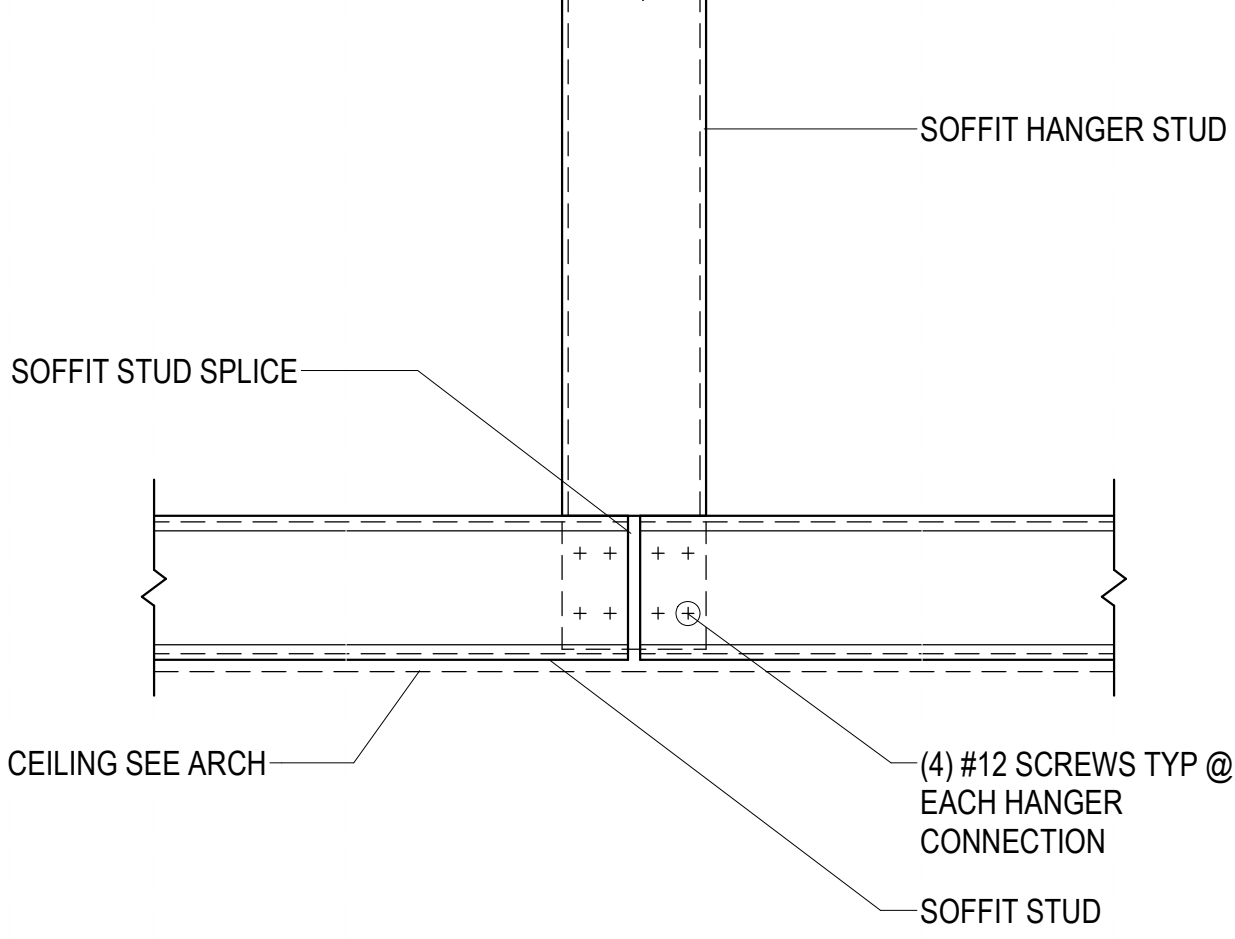
B3 TYPICAL SOFFIT STUD SUPPORT DETAIL
SW511/ NO SCALE



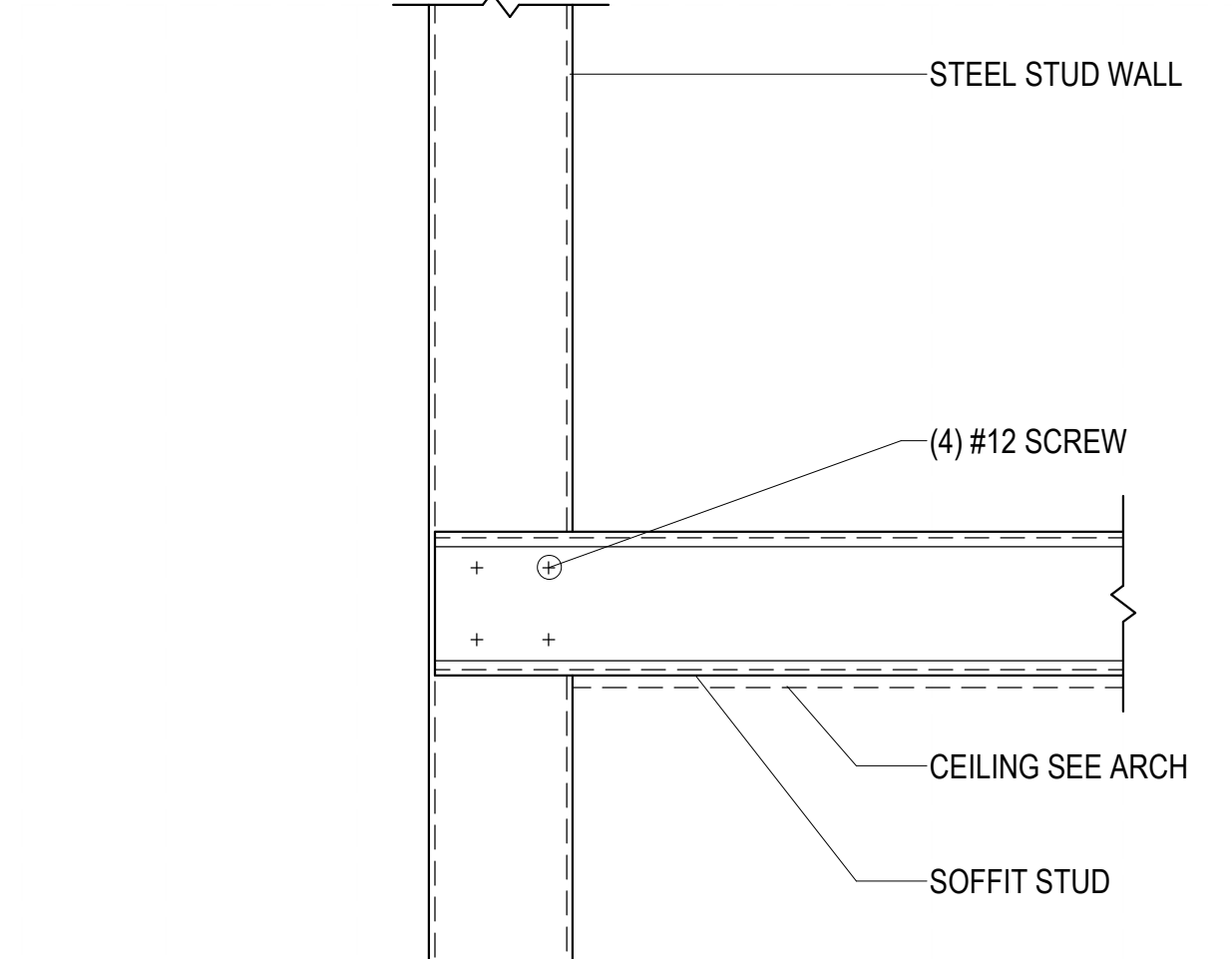
D4 TYPICAL HANGER CONNECTION WITH DIAGONAL BRACE
SW511/ NO SCALE



C4 TYPICAL SOFFIT STUD SPLICE DETAIL
SW511/ NO SCALE



D5 TYPICAL SOFFIT STUD SPLICE DETAIL
SW511/ NO SCALE



C5 TYPICAL SOFFIT STUD SPLICE DETAIL
SW511/ NO SCALE

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SALT LAKE CITY, UTAH 84101

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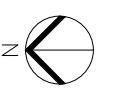
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MURRAY, UTAH 84107

E/T ENGINEER
LYNK ENGINEERS
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Intermountain Health
UTAH VALLEY SPORTS
PERFORMANCE CENTER
PROJECT ADDRESS: WEST 880 NORTH, 200 WEST PROVO, UTAH 84604

SEAL & SIGNATURE

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DATE
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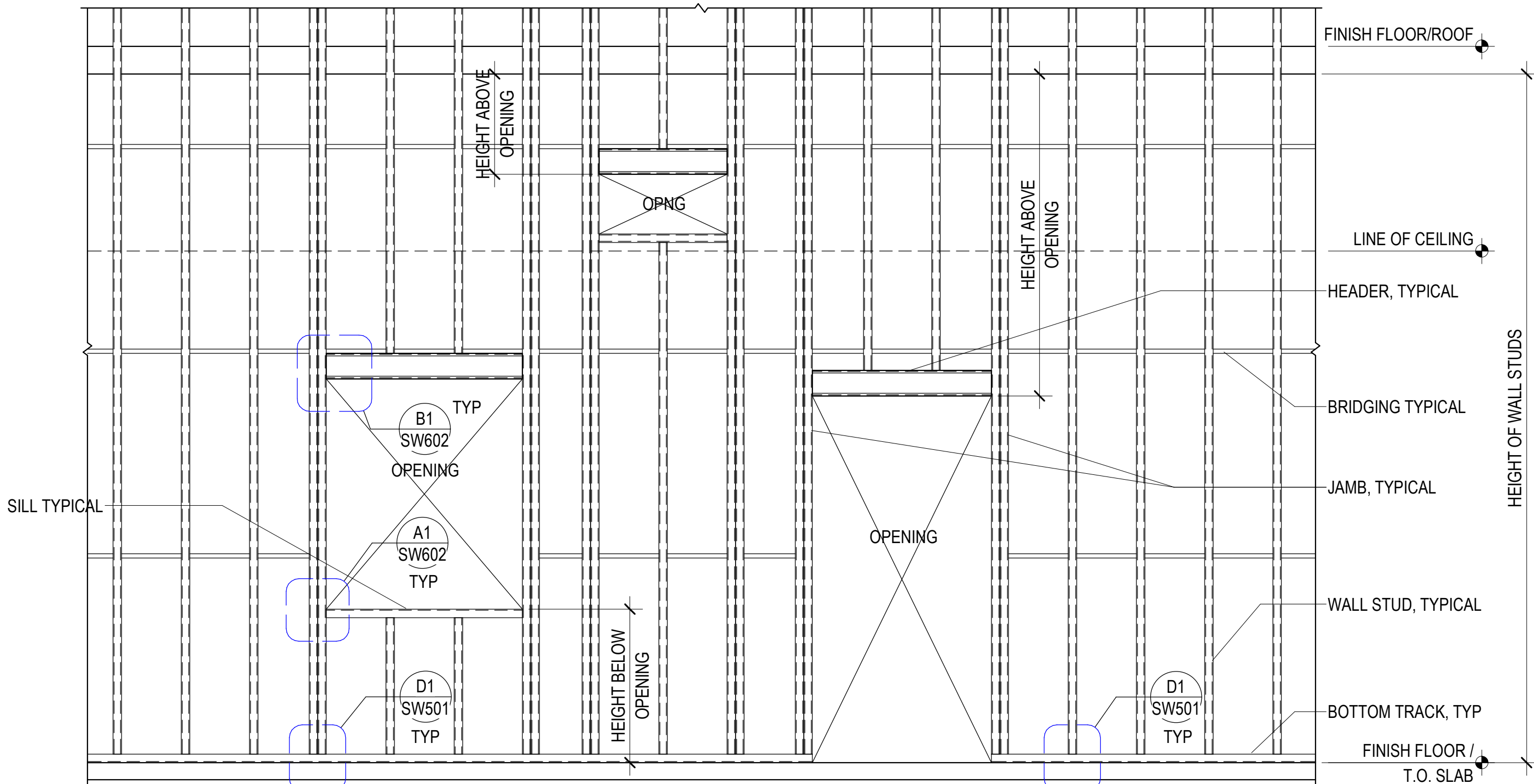
ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
EXTERIOR STEEL STUD
DETAILS (SOFFIT
FRAMING)

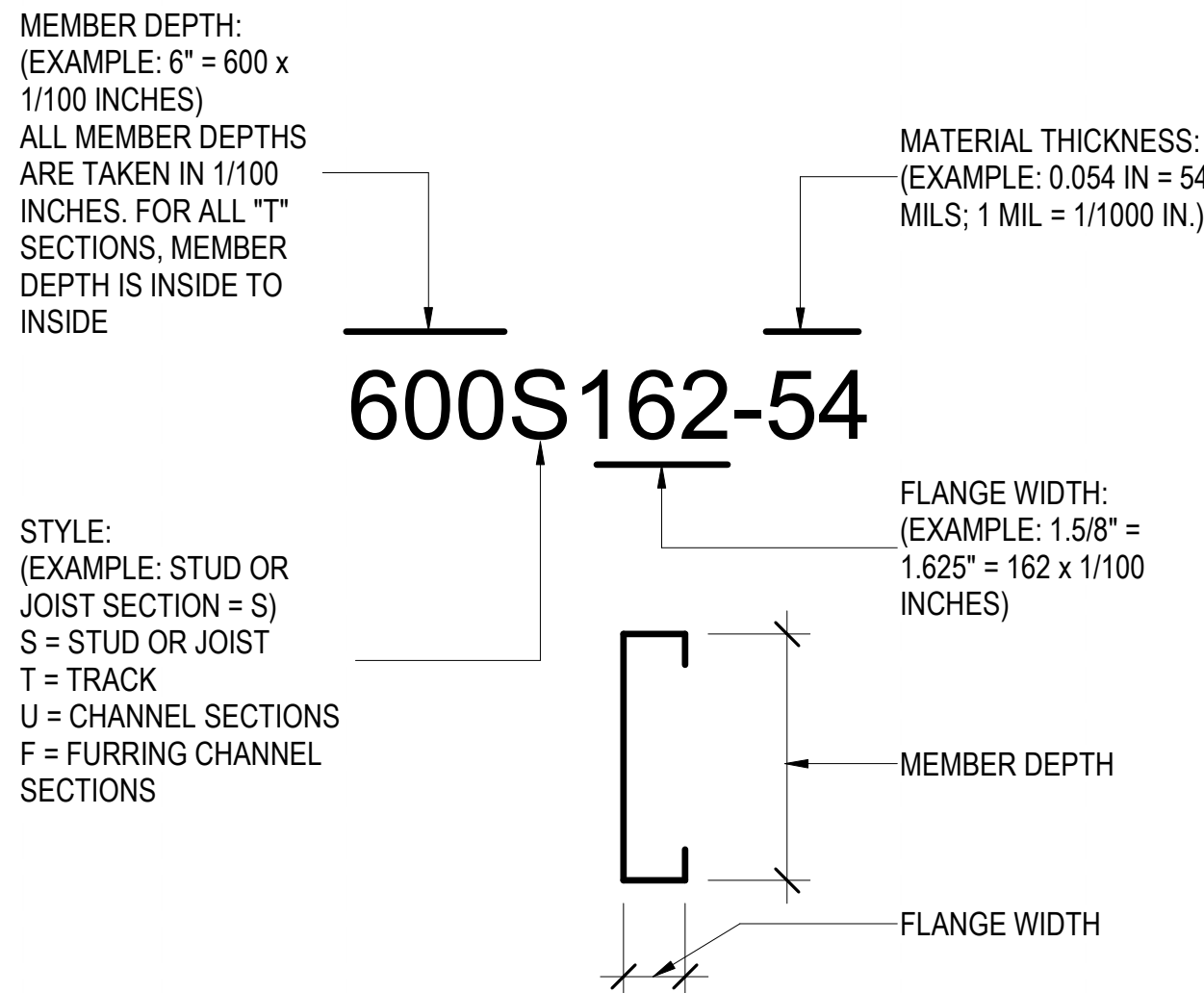
SHEET NO.

SW511

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TEMPLATE VERSION:



D1
SW601 / TYPICAL EXTERIOR WALL AND OPENING FRAMING ELEVATION
NO SCALE



A1
SW601 / STEEL STUD MANUFACTURERS ASSOCIATION - NOMENCLATURE
NO SCALE

NON-LOAD BEARING EXTERIOR STEEL STUD FRAMING SCHEDULE								
WALL								
WALL TAG	STUD SIZE AND SPACING	TOP CONNECTION				BASE CONNECTION		BRIDGING
		TOP TRACK		TOP CLIP		TRACK TYPE	ANCHORAGE	
		TYPE	ANCHORAGE	TYPE	ANCHORAGE			
1	600S162-54 @ 16" O.C.	600S250-97 DEEP LEG DRIFT TRACK	TO STEEL: () 0.157Ø x 1.1/4" PAF @ _" O.C. TO COLD FORMED: () #10 SCREWS @ _" O.C. TO WOOD: () _Ø SCREWS @ _" O.C.			600T125-54	TO CONCRETE: () 0.157Ø x 1.1/4" PAF @ _" O.C. TO STEEL: () 0.157Ø x 1.1/4" PAF @ _" O.C.	REQUIRED @ 4'-0" O.C. VERTICAL SPACING
2	600S162-54 @ 16" O.C.	600S250-97 DEEP LEG DRIFT TRACK	TO STEEL: () 0.157Ø x 1.1/4" PAF @ _" O.C. TO COLD FORMED: () #10 SCREWS @ _" O.C. TO WOOD: () _Ø SCREWS @ _" O.C.			600T125-54	TO CONCRETE: () 0.157Ø x 1.1/4" PAF @ _" O.C. TO STEEL: () 0.157Ø x 1.1/4" PAF @ _" O.C.	REQUIRED @ 4'-0" O.C. VERTICAL SPACING
NOTES: 1. CONTRACTOR MAY CHOOSE BETWEEN THE SCREWED OR WELDED JAMB OPTIONS. 2. CONFIGURE STUD/TRACK COMBINATIONS FOR JAMBS, HEADERS AND SILLS PER TYPICAL DETAILS. 3. FILL ALL HOLES IN CONNECTION HARDWARE WITH: HILTI X-U FASTENERS W/ 1.1/2" EMBEDMENT TO STRUCTURAL CONCRETE, HILTI X-U 15 FASTENERS TO STRUCTURAL STEEL, AND #12 SCREWS TO LIGHT GAUGE STEEL, OR ENGINEER APPROVED EQUIVALENT, U.N.O.								

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MURRAY, UTAH 84107

E/T ENGINEER
LYNK ENGINEERS
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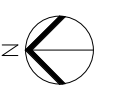
Intermountain
Health

UTAH VALLEY SPORTS
PERFORMANCE CENTER

PROJECT ADDRESS: WEST 880 NORTH, 200 WEST PROVO, UTAH 84604

SEAL & SIGNATURE

KEY PLAN



REVISION
NO. DESCRIPTION DATE

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27487.000

DATE

08/26/2026

ISSUE

DESIGN DEVELOPMENT

SHEET TITLE

EXTERIOR STUD WALL
SCHEDULES & DETAILS

SHEET NO.

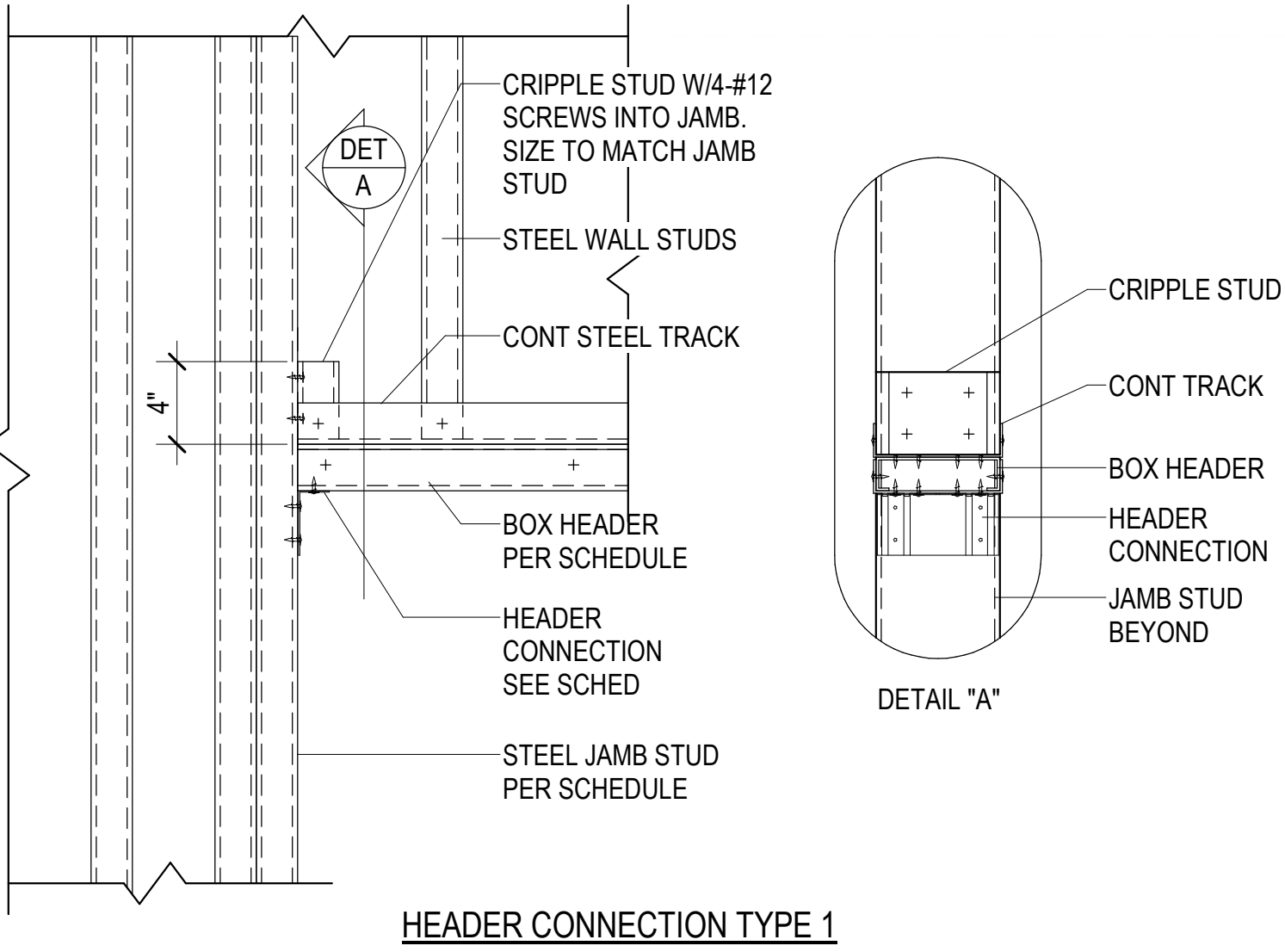
SW601

NON-LOAD BEARING EXTERIOR STEEL STUD OPENING SCHEDULE								
TYPE	HEADER INFORMATION			JAMB INFORMATION			SILL INFORMATION	
	HEADER TYPE	STUD(S)	TRACK(S)	JAMB TYPE	STUD(S)	TRACK(S)	SILL TYPE	STUD(S)

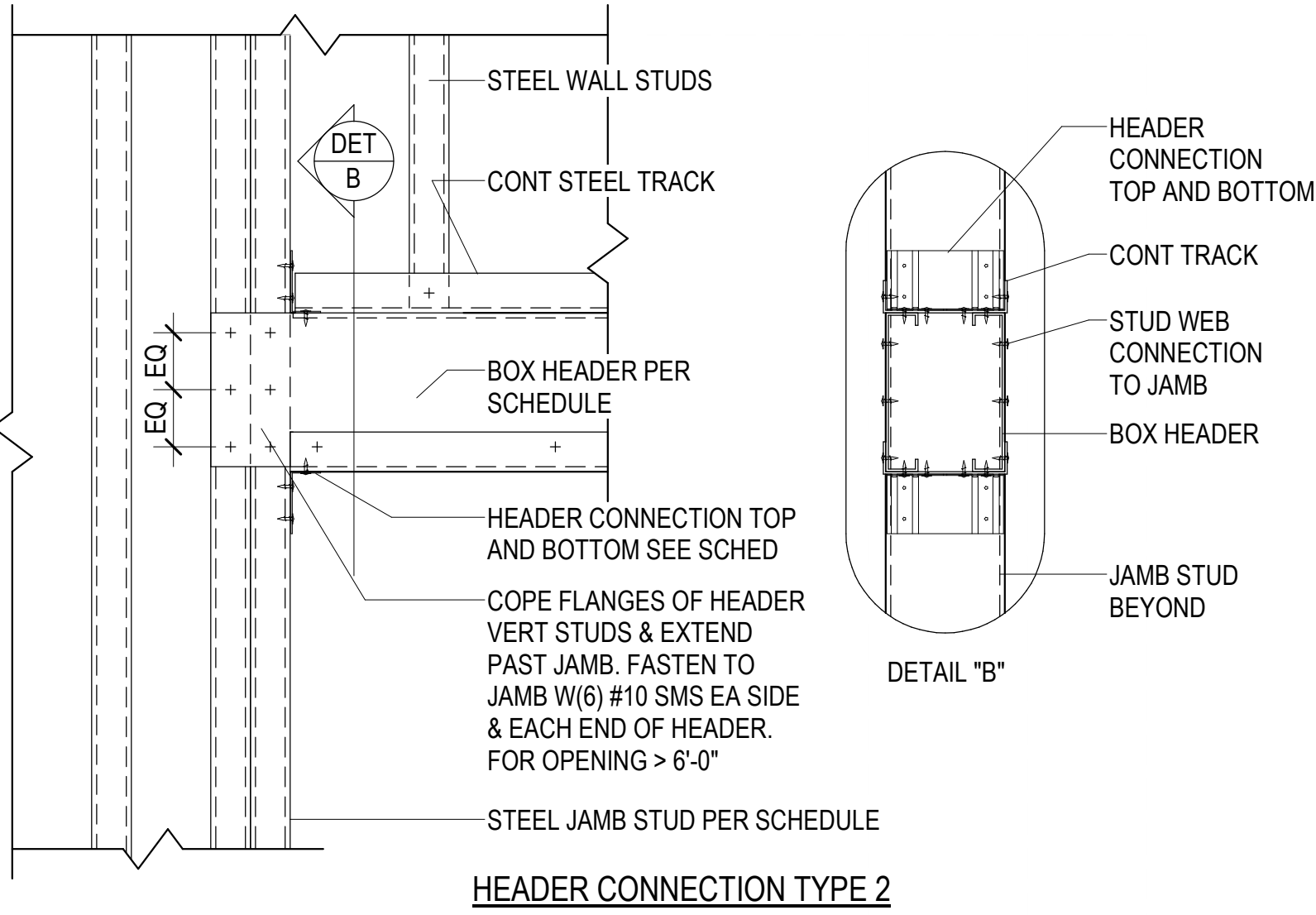
- NOTES:
- CONTRACTOR MAY CHOOSE BETWEEN THE SCREWED OR WELDED JAMB OPTIONS.
 - CONFIGURE STUD/TRACK COMBINATIONS FOR JAMBS, HEADERS AND SILLS PER TYPICAL DETAILS.
 - SEE DETAIL B1/SW602 FOR TYPICAL HEADER TO JAMB CONNECTION.
 - SEE DETAIL A1/SW602 FOR TYPICAL SILL TO JAMB CONNECTION.

NON-LOAD BEARING EXTERIOR STEEL JAMB STUD CONNECTION SCHEDULE				
TYPE	JAMB STUD CONNECTIONS			
	CONNECTION AT BASE	CONNECTION AT BYPASS	CONNECTION AT TOP	COMMENTS
A	2-STIFFCLIP AL600	--	2-DRIFTCLIP DSL600	--

- NOTES:
- SEE DETAIL D1/SW501 FOR TYPICAL JAMB STUD CONFIGURATION AND FASTENING AT BASE CONNECTION.
 - CONNECTION CLIPS SHALL BE CONNECTED TO CONCRETE W/1/2"Ø HILTI KWIK HUS-EQ SCREW ANCHORS (3" MIN EMBEDMENT DEPTH) PER CLIP. FILL ALL HOLES IN CONNECTION HARDWARD W/#12 SCREWS TO LIGHT GAUGE STEEL AND W/HILTI X-U (Ø.1570) FASTENERS TO STRUCTURAL STEEL.
 - SEE DETAIL B1/SW602 FOR TYPICAL HEADER TO JAMB CONNECTION. SEE DETAIL A1/SW602 FOR TYPICAL SILL TO JAMB CONNECTION.

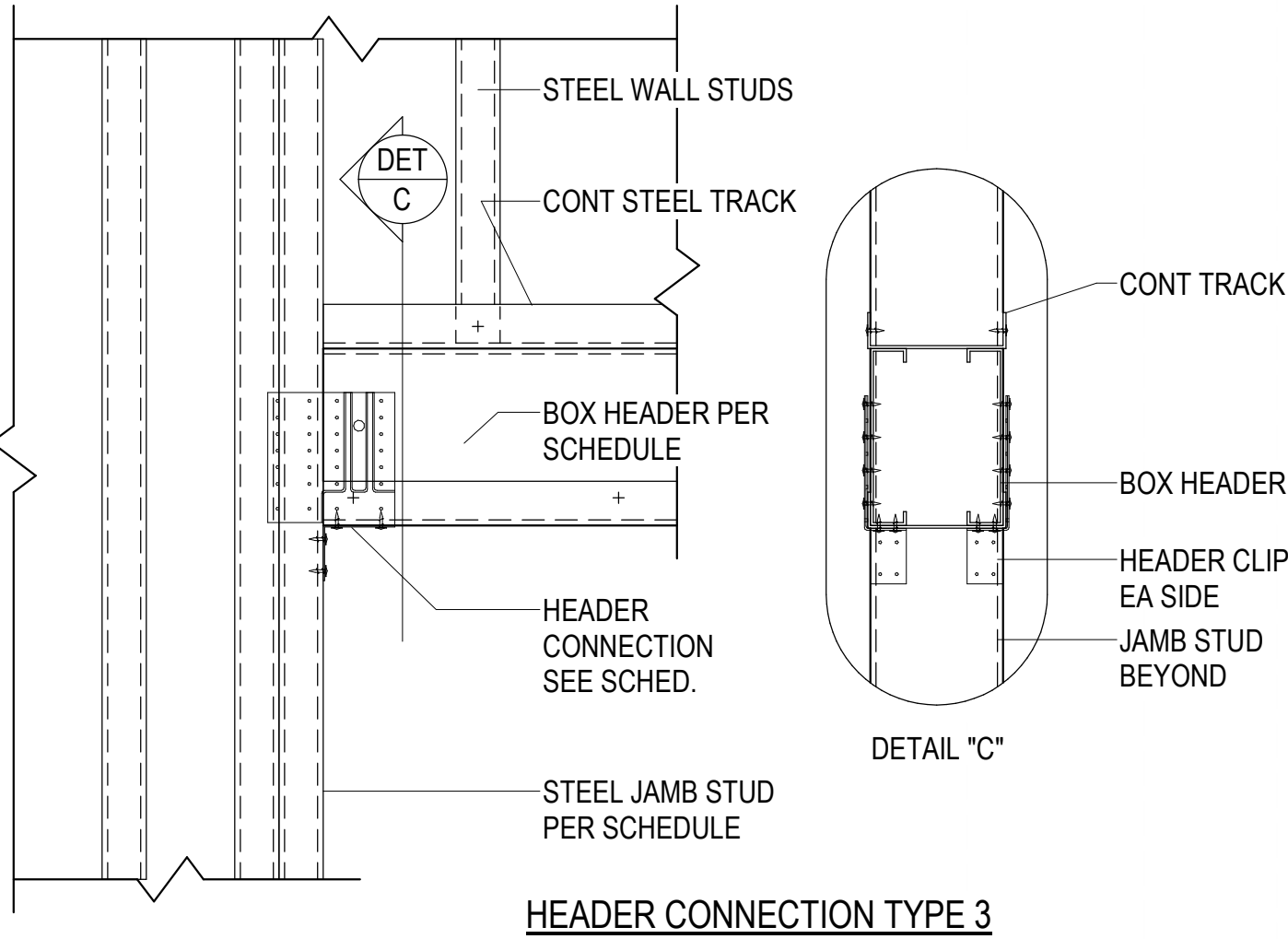


HEADER CONNECTION TYPE 1



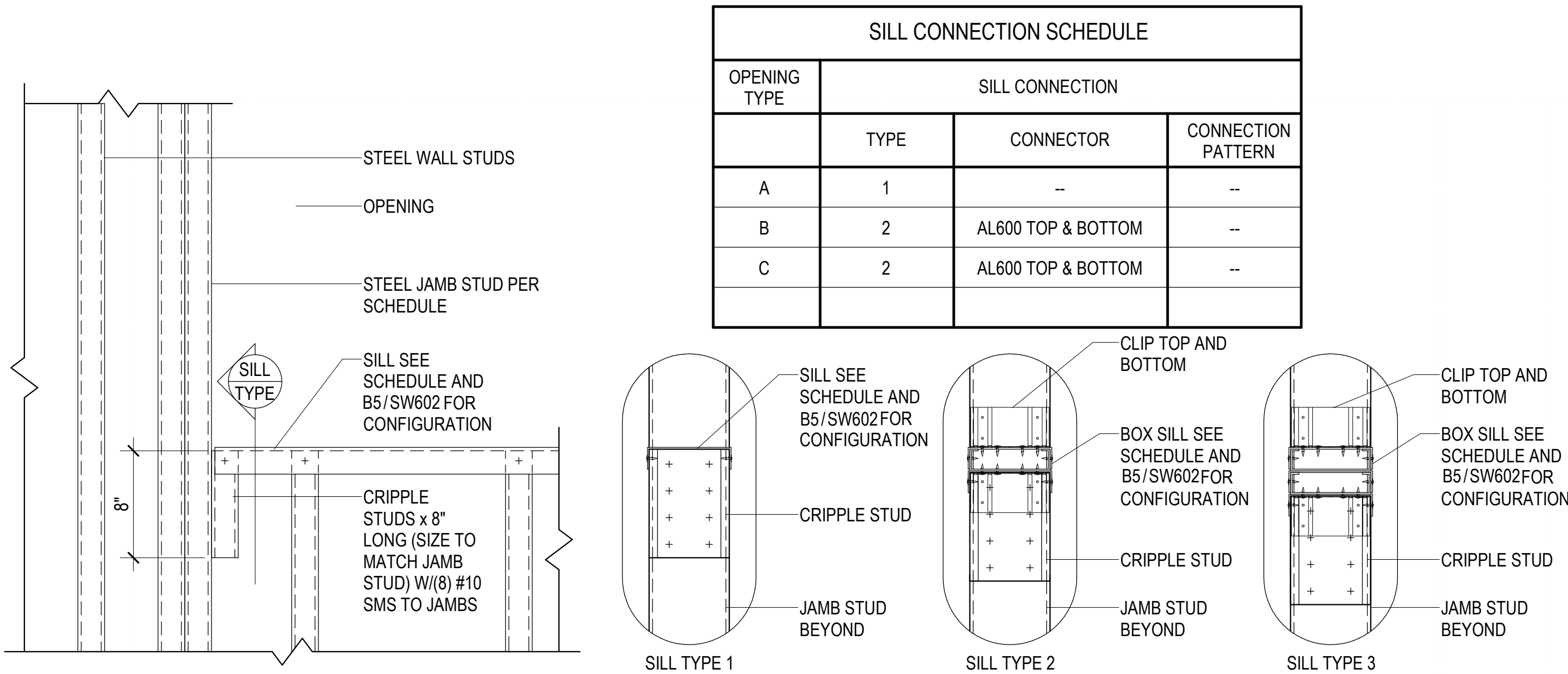
HEADER CONNECTION TYPE 2

OPENING TYPE	HEADER CONNECTION		
	TYPE	CONNECTOR	CONNECTION PATTERN
A	1	AL600 BOTTOM	--
B	2	AL600 TOP & BOTTOM	--
C	3	SHH3/54 EA SIDE	--

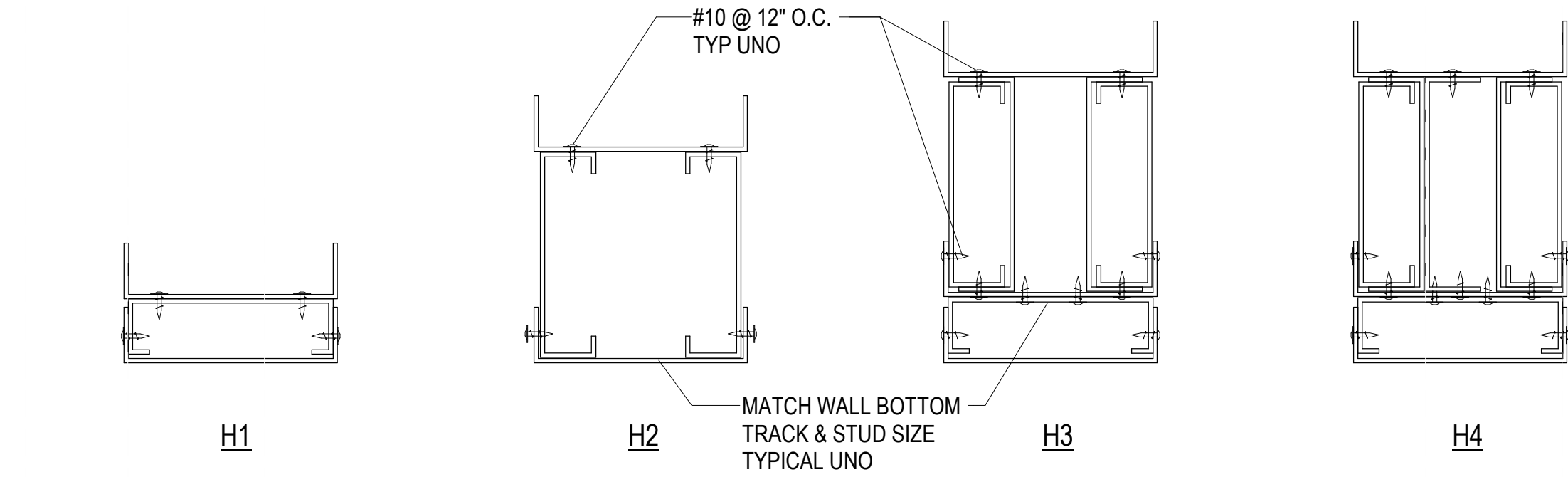


HEADER CONNECTION TYPE 3

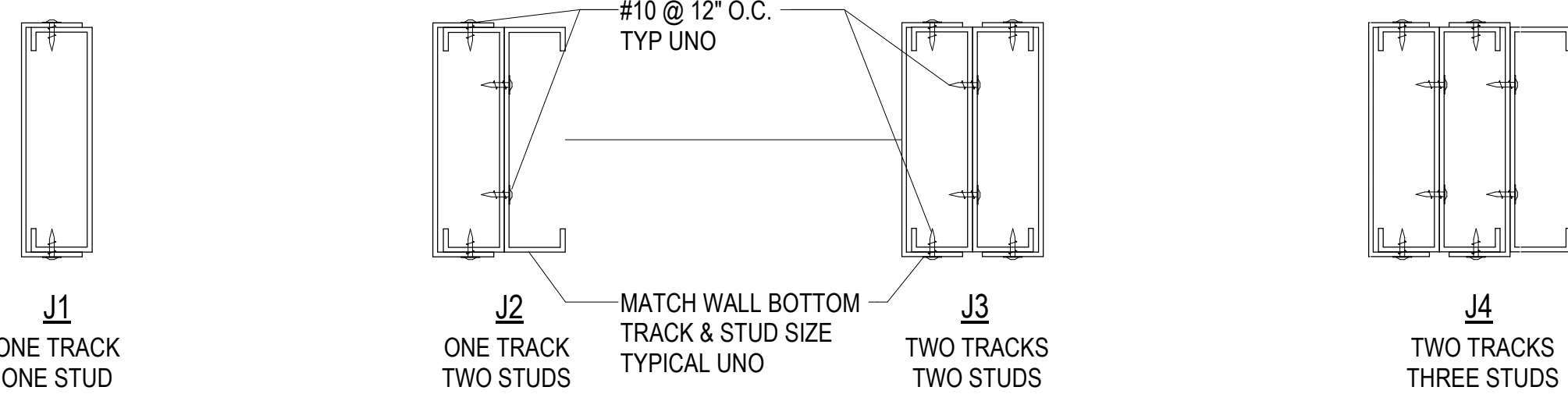
B1 TYPICAL STEEL STUD HEADER CONNECTION DETAIL
SW602/ NO SCALE



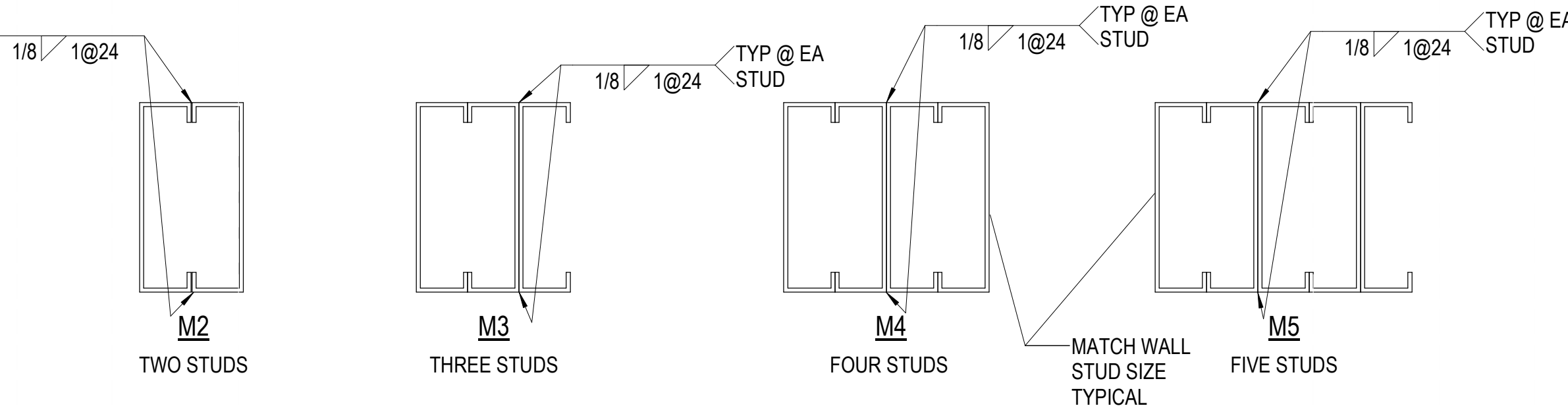
A1 TYPICAL STUD SILL CONNECTION DETAIL
SW602/ NO SCALE



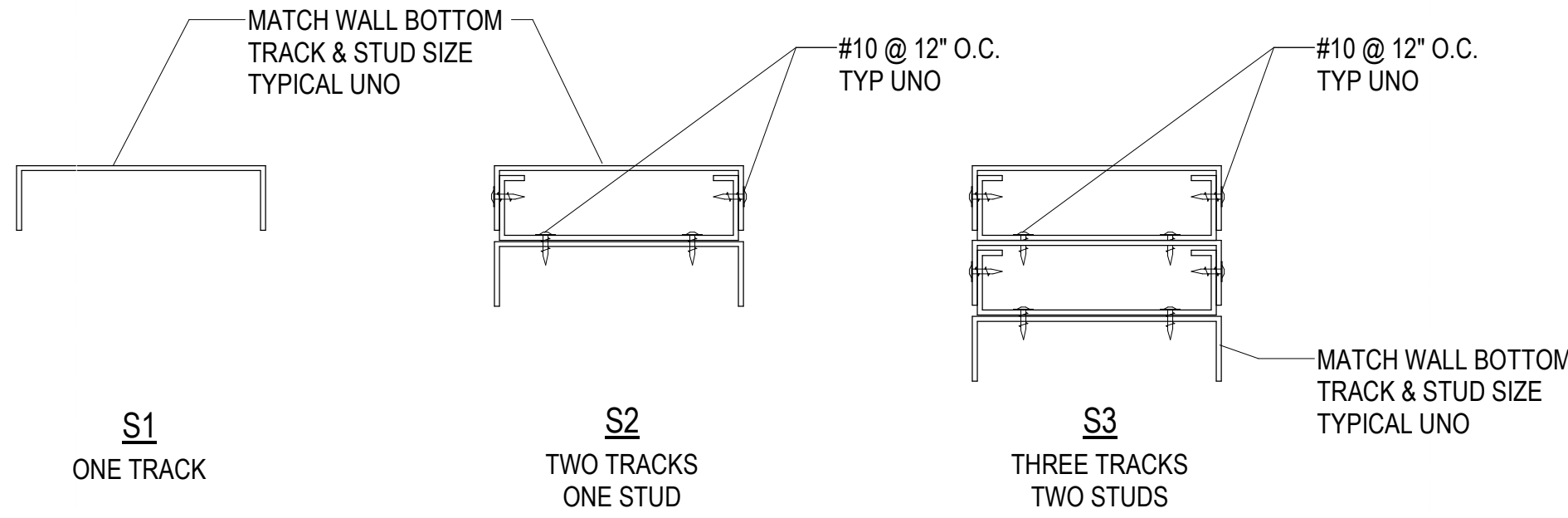
E5 TYPICAL STEEL STUD HEADER SECTIONS
SW602/ NO SCALE



D5 TYPICAL STEEL STUD JAMB SECTIONS
SW602/ NO SCALE

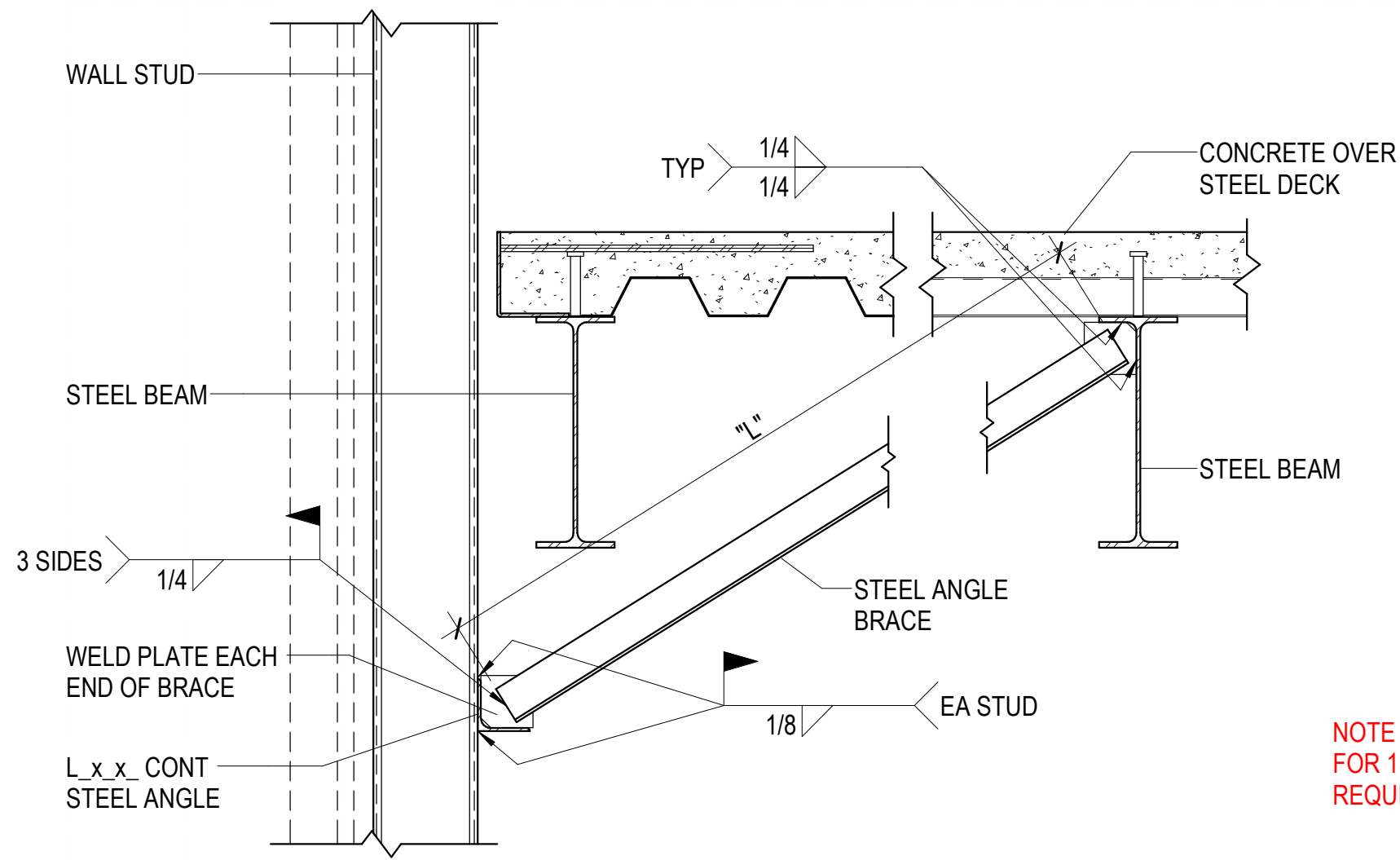


C5 TYPICAL WELDED STEEL STUD JAMB SECTIONS
SW602/ NO SCALE



B5 TYPICAL STEEL STUD SILL SECTIONS
SW602/ NO SCALE

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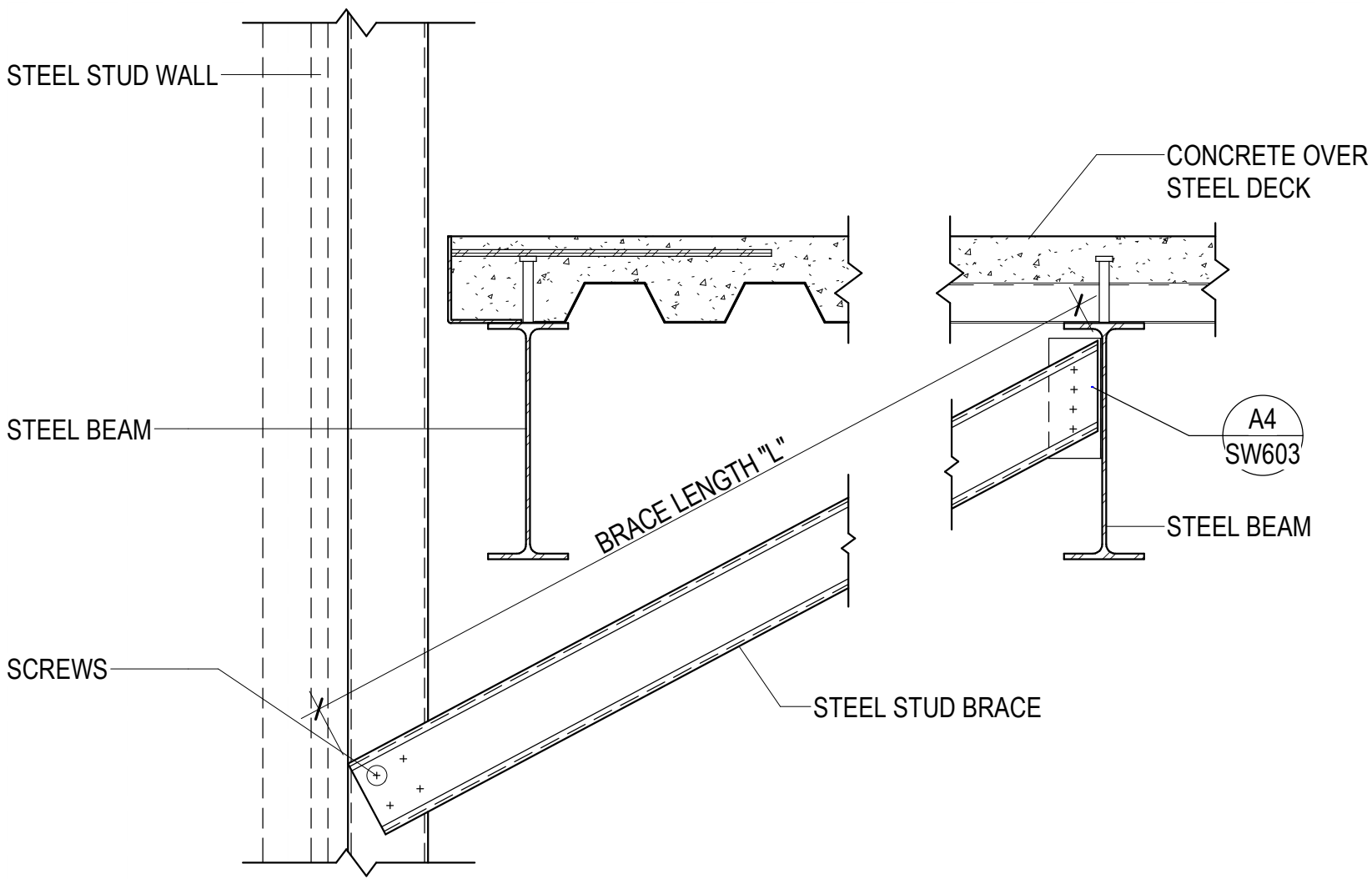


STEEL ANGLE BRACE SCHEDULE		
BRACE LENGTH "L"	STEEL ANGLE BRACE SIZE	WELD PLATE SIZE
UP TO 4'-0"	L3x3x1/4	4"x1/4"x4"
4'-0" TO 8'-0"	L3.1/2x3.1/2x5/16	5"x3/8"x5"
8'-0" TO 12'-0"	(2) L2.1/2x2.1/2x1/4	4"x3/8"x4"
OVER 12'-0"	(2) L3x3x1/4	5"x3/8"x5"

NOTE:
1. WHERE DOUBLE ANGLES ARE USED PROVIDE 3"x3/8" SPACER PLATES AT THIRD POINTS.

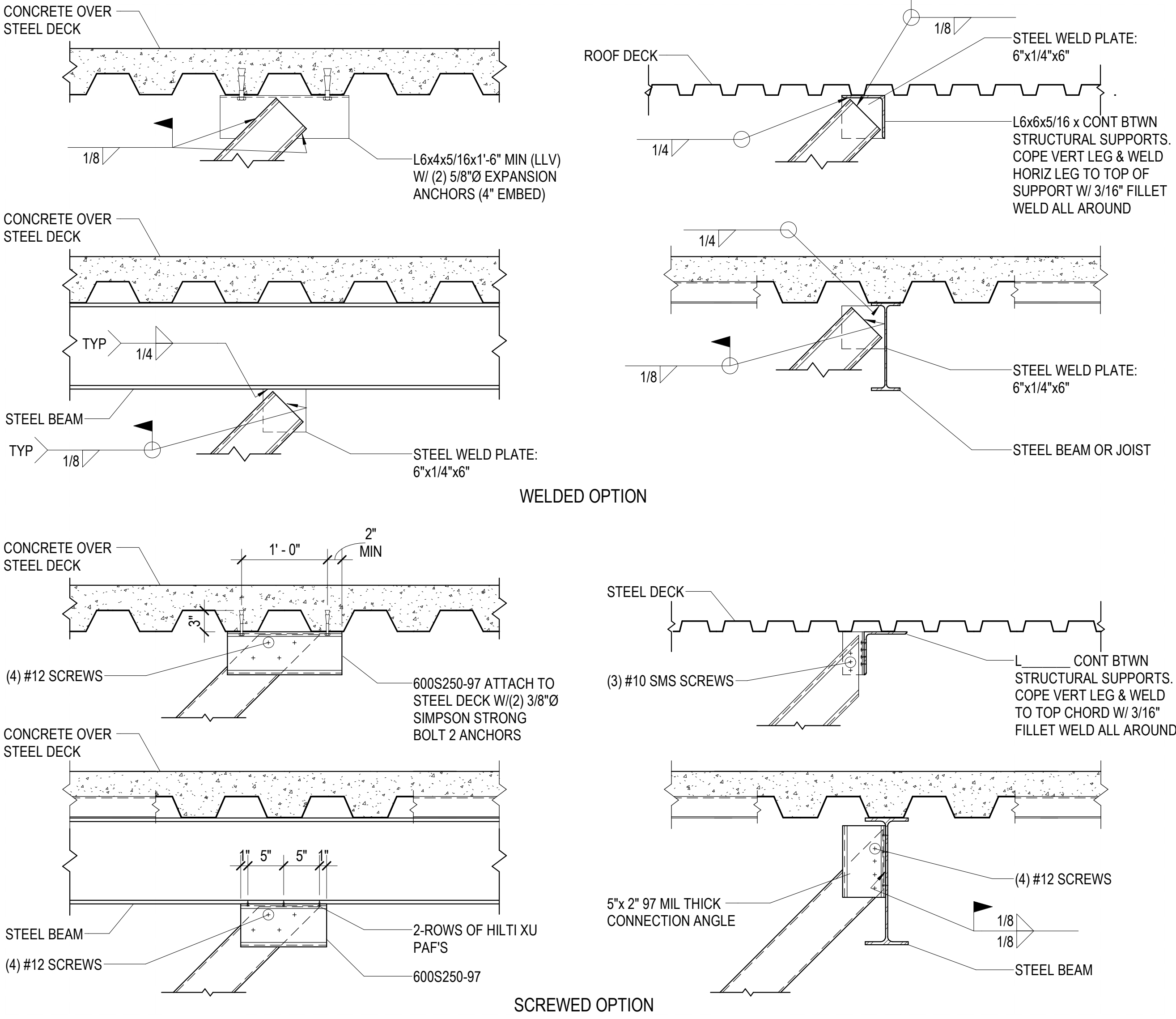
NOTE TO ENGINEER: THE BRACES IN THE SCHEDULE ARE DESIGNED FOR 15K COMPRESSION. BRACE SIZES SHOULD BE ADJUSTED AS REQUIRED. REMOVE THIS NOTE PRIOR TO ISSUING DRAWINGS !

D4 STEEL ANGLE BRACE SCHEDULE
SW603/ NO SCALE



STEEL STUD BRACE SCHEDULE		
BRACE LENGTH "L"	STEEL STUD BRACE SIZE	# / SIZE OF SCREWS TO STUD FRAMING
UP TO 4'-0"	362S162-43	(4) #12
4'-0" TO 8'-0"	362S162-43	(4) #12
8'-0" TO 12'-0"	362S162-54	(4) #12
OVER 12'-0"	362S200-54	(4) #12

C4 STEEL STUD BRACE SCHEDULE
SW603/ NO SCALE



A4 TYPICAL STEEL STUD BRACE CONNECTION TO STEEL BEAM/DECK
SW603/ NO SCALE

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STRUCTURAL ENGINEER
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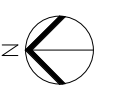
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UTAH VALLEY SPORTS
PERFORMANCE CENTER
PROJECT ADDRESS: WEST 880 NORTH, 200 WEST PROVO, UTAH 84604

SEAL & SIGNATURE

KEY PLAN



REVISION NO.	DESCRIPTION	DATE
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HKS PROJECT NUMBER
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ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
EXTERIOR STEEL STUD
SCHEDULES AND
DETAILS

SHEET NO.

SW603

GENERAL PLAN SYMBOLS	
	PLAN REVISION NUMBER
	DETAIL NUMBER ON SHEET
	SHEET NUMBER WHERE DETAIL IS PLACED
	KEYNOTE SYMBOL
	CONTINUATION SYMBOL
	POINT WHERE NEW CONNECTS TO EXISTING
	POINT WHERE EXISTING IS TO BE DEMOLISHED
	ROOM NAME / NUMBER
	AREA BEING DEMOLISHED
	AREA NOT IN CONTRACT
ABBREVIATIONS	
Ø ABV AC ADD AFF AFUE ALT AP ARSH BFF BLV BTU/h CAP CFM CLG CO CW DA DN DW EAT ELEC EQUIP EWC EWT EA EXIST F FOO FED FOC FLA FO FOV FOR FOS FS FPM FS FT FTR GAL GF GC GPM GW HB HMP HTR HW HYD IND IN INV LB/Hr LAT LPG	ROUND ABOVE AIR CONDITIONING AREA DRAIN ADDENDUM ABOVE FINISHED FLOOR ANNUAL FUEL UTILIZATION EFFICIENCY ALTERNATE ACCESS PANEL ARCHITECT/ARCHITECTURAL BELOW FINISHED FLOOR BELOW BRITISH THERMAL UNITS BRITISH THERMAL UNITS PER HOUR CAPACITY CUBIC FEET PER MINUTE CEILING CLEAN OUT COLD WATER DEGREE DRY BULB DIAMETER DOWN DISTILLED WATER EACH ENTERING AIR TEMPERATURE ELECTRICAL EQUIPMENT ELECTRIC WATER COOLER ENTERING WATER TEMPERATURE EXHAUST AIR EXISTING DEGREES FAHRENHEIT FLOOR CLEAN OUT FLOOR DRAIN FIRE DEPARTMENT CONNECTION FLOOR FUEL OIL FUEL OIL VENT FUEL OIL RETURN FUEL OIL SUPPLY FEET PER MINUTE FLOOR SINK FOOT/FEET FIN TUBE RADIATION GALLON GAS FIRED GENERAL CONTRACTOR GALLONS PER MINUTE GREASE WASTE HOSE BIB HORSE POWER HEATING HEATER HOT WATER HYDRANT INDIRECT INCH INVERT LB/POUND POUNDS PER HOUR LEAVING AIR TEMPERATURE LOW PRESSURE LIQUEFIED PETROLEUM GAS
LVR LWT MA MAX MBH MOF MD MECH MPR MN MISC MTR MUJA NC NC NIC NO NO NTS O OA ORD PD PIV PLB PRESS PSI R RCP RD REC RED RH RLA RPM RW SA SAN SF SD SH SP SP STM T TDR TEMP TYP UG VAC V VAV VENT VTR W WBD WH	LOUVER LEAVING WATER TEMPERATURE MIXED AIR MAXIMUM ONE THOUSAND BTU PER HOUR ONE THOUSAND CUBIC FEET NOTORIZED DAMPER MECHANICAL MANUFACTURER MINIMUM MISCELLANEOUS NOTOR MAKE-UP AIR NOISE CRITERIA NORMALLY CLOSED NOT IN CONTRACT NUMBER NORMALLY OPEN NOT TO SCALE OXYGEN OUTSIDE AIR OVERFLOW ROOF DRAIN PRESSURE DROP POST INDICATOR VALVE PLUMBING PRESSURE POUNDS PER SQUARE INCH POUNDS PER SQUARE INCH GAUGE THROW PATTERN DUCT RISER RETURN AIR RADIANT CEILING PANEL ROOF DRAIN RECESSED REDUCER RELATIVE HUMIDITY RELIEF AIR FUEL OIL REVOLUTIONS PER MINUTE RAIN WATER SQUARE FOOT SUPPLY AIR SANITARY SQUARE FOOT SMOKE DAMPER SURFACE MOUNT STANDPIPE STATIC PRESSURE STEAM THERMOSTAT TEMPERATURE DROP TRENCH DRAIN TEMPERATURE TYPICAL UNDERGROUND VACUUM VENT VARIABLE AIR VOLUME VENTILATION VENT THROUGH ROOF WASTE WET BULB WALL HYDRANT
EQUIPMENT ABBREVIATIONS	
AC ACCU AHU AS B CH CT CUH CHWP DBP DC DCP EDF	AIR CONDITIONING UNIT AIR COOLING CONDENSING UNIT AIR HANDLING UNIT AIR SEPARATOR BOILER CHILLER COOLING TOWER CABINET UNIT HEATER CHILLED WATER PUMP DOMESTIC WATER BOOSTER PUMP DUCT MOUNTED COOL DOMESTIC WATER CIRCULATING PUMP EXHAUST FAN ELECTRIC DUCT COOL
ET EWH FCU FP GRV HWP HRU PRV RE RTU SP UH WH	EXPANSION TANK ELECTRIC WATER HEATER FAN COIL UNIT FIRE PUMP GREASE INTERCEPTOR GRAVITY ROOF VENTILATOR HEATING WATER PUMP HEAT RECOVERY UNIT POWER ROOF VENTILATOR RETURN EXHAUST FAN ROOFTOP UNIT SLUMP PUMP UNIT HEATER WATER HEATER
NOTE ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET. THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.	

HVAC SYMBOLS	
	SQ. DUCT SIZE (WIDTH X HEIGHT)
	OVAL DUCT SIZE (WIDTH X HEIGHT)
	ROUND DUCT SIZE (DIAMETER)
	EXISTING DUCT TO REMAIN
	DUCT TO BE DEMOLISHED
	SUPPLY AIR - LOW PRESSURE
	SUPPLY AIR - MEDIUM PRESSURE
	VENTILATION AIR
	OUTDOOR AIR
	RETURN AIR
	TRANSFER AIR
	RELIEF AIR
	GENERAL EXHAUST DUCT
	LABORATORY HOOD
	FLUE GAS VENT
	COMBUSTION AIR
	RECT. SUPPLY DUCT RISE / DROP
	RECT. RETURN DUCT RISE / DROP
	ROUND RETURN DUCT RISE / DROP
	RECT. EXHAUST DUCT RISE / DROP
	ROUND EXHAUST DUCT RISE / DROP
GRILLES, REGISTER, DIFFUSERS	
	SQ. CEILING DIFFUSER
	ROUND CEILING DIFFUSER
	SIDEWALL SUPPLY GRILLE
	LINEAR DIFFUSER
	SIDEWALL RETURN GRILLE
	CEILING RETURN GRILLE
MECHANICAL EQUIPMENT	
	UNIT IDENTIFY
	NOMINAL COOLING CAPACITY
	HEATING CAPACITY
	OPERATING WEIGHT
	DESIGN AIRFLOW RATE
	DESIGN WATER FLOW
	BOTTOM OF EQUIPMENT HEIGHT
	EXISTING TO REMAIN EQUIPMENT
	EXISTING RELOCATED EQUIPMENT
DAMPER TYPES	
	MANUAL DAMPER
	MOTORIZED (ATO) DAMPER
	BACKDRAFT DAMPER
	SMOKE DAMPER
	FIRE DAMPER
	COMB. FIRE/SMOKE DAMPER
	HIGH EFFICIENCY TAKEOFF (HET)

MECHANICAL PIPING SYMBOLS	
	NOMINAL PIPE SIZE
	ABOVE GROUND PIPING
	BELOW GROUND PIPING
	PIPE SLOPE (WHEN APPLICABLE)
	EXISTING PIPE TO REMAIN
	PIPE TO BE DEMOLISHED
	CHILLED-WATER RETURN
	CHILLED-WATER SUPPLY
	CHILLED-WATER RETURN
	CHILLED-WATER SUPPLY
	CONDENSATE DRAIN
	CONDENSER-WATER RETURN
	CONDENSER-WATER SUPPLY
	GLYCOL HEATING-WATER RETURN
	GLYCOL HEATING-WATER SUPPLY
	GROUND LOOP-WATER RETURN
	GROUND LOOP-WATER SUPPLY
	HOT-WATER RETURN
	HOT-WATER SUPPLY
	NET ENERGY LOOP RETURN
	NET ENERGY LOOP SUPPLY
	NATURAL GAS
	LIQUID PROPANE
	REFRIGERANT LIQUID
	REFRIGERANT GAS
	REFRIGERANT DISCHARGE
	LOW PRESSURE STEAM
	CONDENSATE RETURN (LOW PRESSURE)
	PUMPED CONDENSATE
	HIGH PRESSURE STEAM
	CONDENSATE RETURN (HIGH PRESSURE)
	PIPE RISE / DROP
VALVE TYPES	
	SHUT-OFF
	BALANCING VALVE
	BUTTERFLY VALVE
	CHECK VALVE
	ALTERNATE CHECK VALVE
	CIRCUIT SETTER
	GATE VALVE
	GLOBE VALVE
	LOCKED SHIELD VALVE
	PRESSURE REDUCING VALVE
	QUICK OPENING VALVE
	FLUID STRAINER
	ELEC. CONTROL VALVE
	3-WAY ELEC. VALVE
	EMERGENCY GAS SHUT-OFF
	PLUG VALVE
	GAS SHUT-OFF COCK
	GAS REGULATOR
MECHANICAL DEVICES	
	UNIT IDENTIFY
	TEMPERATURE SENSOR
	TEMP. HUMIDITY SENSOR
	TEMP. CO2 SENSOR
	THERMISTAT
	HUMIDISTAT
	HUMIDITY SENSOR
	CARBON DIOXIDE DETECTOR
	CARBON MONOXIDE DETECTOR
	HYDROGEN GAS DETECTOR
	HAZARDOUS GAS DETECTOR
	NITROGEN DIOXIDE DETECTOR
	OXYGEN GAS DETECTOR

PROJECT REQUIREMENTS	
1 GENERAL	THE PROJECT GENERAL NOTES APPLY TO ALL DISCIPLINES.
2 REMOVE	REMOVE ALL VALUED PIPING, DUCTWORK, EQUIPMENT, AND ACCESSORIES.
3 MECHANICAL	THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS FOR PLUMBING AND MECHANICAL SYSTEMS WITHIN THE SCOPE OF WORK SPACE AND WITHIN CLOSE PROXIMITY TO THE SCOPE OF WORK SPACE. THE CONTRACTOR WILL FIELD VERIFY AS MUCH AS IS REASONABLE BEFORE THE FINAL BID. AFTER THE FINAL BID THE CONTRACTOR WILL NOTIFY THE OWNER, ARCHITECT, AND MECHANICAL DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF EXISTING CONDITIONS THAT MAY AFFECT THE DESIGN.
4 REMOVE	THE MECHANICAL CONTRACTOR SHALL PERFORM SERVICE AND REPAIR ON THE EXISTING EQUIPMENT AND ITS ACCESSORIES AS FOLLOWS: CLEAN ALL COILS, REPLACE THE FILTERS AND BELTS, INSPECT, REPAIR, OR REPLACE THE ECONOMIZERS, DRIVERS AND FAN BEARINGS, MOTORS, CONTROL COMPONENTS, VALVES, AND ANY OTHER ITEM NECESSARY FOR A COMPLETE AND PROPER OPERATING SYSTEM. THIS CONTRACTOR SHALL ALSO VISIT THE SITE, PRIOR TO FINAL BIDDING, AND VERIFY ALL EXISTING SITE CONDITIONS, PROVIDE ALL MATERIAL AND COMPONENTS AS NEEDED TO BRING THE UNITS TO FULL COMPLIANCE OF THE OWNER'S CRITERIA AND LOCAL AUTHORITY HAVING JURISDICTION.
5	WHERE FLOOR DRAINS OCCUR WITH THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BODY BY SEALING DRAIN OPENING PRIOR TO START OF WORK. UNSEAL DRAINS AT COMPLETION OF CONSTRUCTION.
6	COORDINATE INSTALLATION OF PIPING, DUCTWORK, CONDUIT, LIGHTS, CABLE TRAY, STRUCTURE, EQUIPMENT, CEILING, ARCHITECTURAL COMPONENTS, AND ANYTHING ELSE PERTAINING TO THE PROJECT TO PREVENT CONFLICTS.
7	THE CONTRACTOR SHALL BE FAMILIAR WITH ALL THE CONDITIONS BOTH EXISTING AND THOSE ILLUSTRATED BY THESE DOCUMENTS AND THOSE OF OTHER DISCIPLINES, INCLUDING, BUT NOT LIMITED TO ARCHITECTURAL, CIVIL, ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT.
8 CODE	FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE, INTERNATIONAL MECHANICAL CODE, AND INTERNATIONAL PLUMBING CODE.
9	LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING.
10	ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF.
11	COORDINATE INSTALLATION OF DUCTWORK, PIPING AND MECHANICAL EQUIPMENT WITH NEC CLEARANCES INCLUDING THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT. NO PIPING OR DUCTWORK TO RUN OVER ELECTRICAL PANELS, VFD'S OR MCC'S. PROTECT EQUIPMENT WITH 4'-0" DEEP ZONE IN FRONT OF PANELS, VFD'S AND MCC'S. PROVIDE PANS IF REQUIRED UNDER PIPING.
12	FIRE SEAL AROUND DUCT AND PIPING PENETRATIONS OF FIRE RATED WALLS. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING AND SEALING ALL PENETRATIONS IN FIRE AND SMOKE RATED PARTITIONS TO MAINTAIN RATINGS. REFER TO SPECIFICATION.
13	PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES AND DUCTS THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF.
14	TRANSITION PIPING AND DUCTWORK SIZES TO MATCH THE SIZE OF EQUIPMENT CONNECTION. REFER TO PLUMBING SERIES DRAWINGS FOR GAS PIPING.
15	ALL PIPE AND DUCT SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN.
16	FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE SEGMENTS, REFER TO DETAILS, SCHEDULES, AND SPECIFICATIONS.
17	INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.
18	MECHANICAL CONTRACTOR SHALL ENSURE THAT ALL EQUIPMENT IS PROVIDED AND INSTALLED WITH CLEARANCES PER MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR SHALL MAINTAIN PROPER SERVICE SPACE FOR COIL PULLS, GAS DEVICES, MAINTENANCE ACCESS, ETC.
19	INSTALL EXPOSED PIPING AND DUCTWORK AS HIGH AS PRACTICAL, IN ROOMS WITHOUT CEILINGS.
20	LOCATIONS OF PIPING, DUCTWORK AND EQUIPMENT, AS INDICATED ON THE DRAWINGS, ARE NOT LIMITED TO OFFSETS AND TRANSITIONS. NEW DUCTWORK, PIPING AND EQUIPMENT SHALL BE COORDINATED WITH STRUCTURE, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUIT, PLUMBING, MECHANICAL, AND FIRE PROTECTION PIPING, MEDICAL GASES, ALL OTHER TRACES AND ALL OTHER EXISTING CONDITIONS TO AVOID INTERFERENCE IN THE FIELD.
21	THE CONTRACTOR SHALL INFORM THE DESIGNER OF ANY PROPOSED DEVIATIONS FROM THE CONTRACT DOCUMENTS.
22	IF CONTRACTOR ENCOUNTERS MATERIAL, WHICH MAY CONTAIN ASBESTOS, IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE OWNER.
23	FOR CONTRACTOR ENCOUNTERS MATERIAL, WHICH MAY CONTAIN ASBESTOS, IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE OWNER.
24	DETAILS REFERENCE ALL SHEETS.
25	INSTALL ALL PIPING AND DUCTWORK WITHOUT FORCING OR SPRINGING.
26	ROUTE DOMESTIC WATER, FIRE PROTECTION, SANITARY WASTE, ROOF DRAIN, CAMPUS CHILLED OR HOT WATER, AND ANY OTHER UTILITY SERVICES TO SITE UTILITIES 5'-0" FROM BUILDING UNLESS NOTED OTHERWISE. REFER TO PLAN.
27	LOCATE VALVING, ACCESSORIES, AND EQUIPMENT IN ACCESSIBLE LOCATIONS, WHERE LOCATED ABOVE HARD CEILING PROVIDE AN ACCESS DOOR IN CEILING. MINIMUM ACCESS DOOR SIZE OF 24" X 36". COORDINATE EXACT LOCATION AND STYLE WITH ARCHITECT. EQUIPMENT SHALL BE LOCATED IN THE CEILING CAVITY. DO NOT CANE SAFELY SERVICED FROM SOMEONE STANDING ON A LADDER PLACED BELOW THE CEILING ACCESS.
28	WHERE VALVING, ACCESSORIES, OR EQUIPMENT IS LOCATED IN A WALL, PROVIDE AN APPROPRIATELY SIZED ACCESS DOOR. COORDINATE ACCESS DOOR SIZE, LOCATION, AND STYLE WITH ARCHITECT.
29	CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.
30	CONTRACTOR TO PROVIDE DELEGATED DESIGN OR SEISMIC BRACING AS A DEFERRED SUBMITTAL. SEE SPECIFICATION 23.564 - VIBRATION AND SEISMIC CONTROLS FOR HVAC.
31	CONTRACTOR TO PROVIDE BIM COORDINATION AND VIRTUAL DESIGN AND CONSTRUCTION SERVICES TO A XXX LEVEL OF DETAIL. SEE SPECIFICATION 23.099-BIM COORDINATION.
HVAC GENERAL NOTES	
1	COORDINATE EXACT PLACEMENT OF DIFFUSERS, GRILLES, AND REGISTERS WITH ARCHITECTURAL REFLECTED CEILING PLAN. TYPICAL.
2	SEE DETAIL FOR DIFFUSER CONNECTIONS TO DUCTWORK, TYPICAL.
3	BRANCH DUCTWORK SHALL BE SIZED TO MATCH THE NECK INLET SIZE OF THE DIFFUSERS, REGISTER OR GRILLE IT SERVES UNLESS NOTED OTHERWISE, TYPICAL.
4	COORDINATE EXACT MOUNTING LOCATION OF ALL THERMOSTATS WITH LATEST REVISION OF ARCHITECTURAL, ELEVATION AND FURNISHINGS PLANS, TYPICAL.
5	THE MECHANICAL CONTRACTOR SHALL PROVIDE FIRE, SMOKE OR COMBINATION FIRE/SMOKE DAMPERS AT ALL LOCATIONS SHOWN ON THE CONTRACT DOCUMENTS AND AS REQUIRED TO MEET THE INTEGRITY OF ALL SMOKE AND FIRE PARTITIONS. THE CONTRACTOR SHALL REFER TO THE LATEST ARCHITECTURAL LIFE SAFETY PLANS FOR ALL FIRE AND SMOKE PARTITION LOCATIONS. DAMPERS ARE TO BE PROVIDED WITH SHUT-OFF SWITCH AT EACH LOCATION.
6	PROVIDE AND INSTALL TURNING VANES IN ALL SQUARE LOW PRESSURE DUCTWORK AT ELBOWS OR TEES, TYPICAL.
7	INSTALL ALL TERMINAL BOXES IN EASILY ACCESSIBLE AND SERVICEABLE LOCATIONS, MEETING ALL MANUFACTURER'S REQUIRED CLEARANCES ON EACH SIDE. SEE DETAILS, TYPICAL.
8	DUCTWORK SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. REFER TO MECHANICAL SPECIFICATIONS FOR EXTENT OF DUCT INSULATION AND LINER AND ADJUST SHEET METAL DIMENSION.
9	PROVIDE AND INSTALL REMOTE DAMPER OPERATORS FOR ALL DAMPERS INSTALLED ABOVE INACCESSIBLE CEILING, SEE MECHANICAL SPECIFICATIONS FOR EQUIPMENT REQUIREMENTS, TYPICAL.
10	PROVIDE AND INSTALL HIGH EFFICIENCY TAKE OFF FITTINGS AND BALANCING DAMPER AT EACH BRANCH CONNECTIONS TO LOW PRESSURE DUCTWORK. PROVIDE BALANCING DAMPERS AT EACH BRANCH TAKE OFF TO SERVE DIFFUSER OR GRILLE AS WELL AS WHERE INDICATED.
11	PROVIDE AND INSTALL HIGH EFFICIENCY OR CONICAL TAKE-OFFS AT ALL BRANCH CONNECTIONS TO MEDIUM PRESSURE DUCTWORK.
12	WHERE DUCTWORK CROSSES, SUPPLY DUCTWORK IS USUALLY BELOW RETURN AND EXHAUST DUCT. RETURN DUCTWORK IS USUALLY BELOW EXHAUST DUCTS.
13	AT LOCATIONS WHERE DIFFUSERS OR GRILLES ARE UNDER DUCTWORK, CONTRACTOR TO FABRICATE TRANSITION BOOT FROM FLEX CONNECTION TO DIFFUSER OR GRILLE WITH BALANCING DAMPER, TYPICAL.
14	THE MECHANICAL CONTRACTOR SHALL PROVIDE CEILING MOUNTED ACCESS DOORS FOR ALL FIRE, SMOKE AND COMBINATION FIRE/SMOKE DAMPERS INSTALLED ABOVE INACCESSIBLE CEILING. FIELD VERIFY EXACT INSTALLATION LOCATIONS PRIOR TO COMMENCING WORK AND COORDINATE INSTALLATIONS WITH LATEST ARCHITECTURAL, REFLECTED CEILING PLANS.
15	ALL VAV BOXES TO HAVE HEAT COILS, EXCEPT AS NOTED. PROVIDE EQUIPMENT TAG TO MATCH SCHEDULE. PROVIDE A MINIMUM OF TWO DUCT DIAMETERS OF STRAIGHT ROUND DUCT TO INLET OF VAV BOX. BOX SHALL BE HARD CONNECTED (CONICAL) TO MEDIUM PRESSURE DUCT, TYPICAL.
16	PROVIDE ACCESS DOORS TO ACCESS VAV BOX CONTROLS ABOVE HARD CEILINGS. PROVIDE MINIMUM 24" X 24".
17	FLEX DUCT IS REQUIRED FOR ALL DIFFUSERS AND GRILLES INSTALLED IN LAY IN CEILINGS, FOR DIFFUSERS AND GRILLES IN HARD LID CEILINGS. THE DUCTWORK SHALL BE EXTENDED ALL THE WAY TO THE DIFFUSER AND SHALL BE CONNECTED WITH A HARD CONNECTION OR A FLEX DUCT CONNECTION WITH A MUD RING AND LAY-IN DIFFUSER AS SHOWN ON PLANS.
18	THE CONTRACTOR SHALL INFORM THE DESIGNER OF ANY PROPOSED DEVIATIONS FROM THE CONTRACT DOCUMENTS.
19	PROVIDE ACCESS TO ALL TEMPERATURE CONTROLS ABOVE CEILING. LOCATE IN ACCESSIBLE LOCATION, WHERE THERE ARE HARD CEILINGS, THE CONTRACTOR SHALL PROVIDE 24" X 24" ACCESS DOOR.
20	SUPPLY AND RETURN PIPING TO COILS ARE THE SAME SIZE.
21	CONTRACTOR SHALL LOCATE AND TEMPERATURE SENSORS AT 4'-0" AFF. A MINIMUM OF 9" FROM LIGHT SWITCH, UNLESS OTHERWISE NOTED ON THE ARCHITECT'S ELEVATIONS. COORDINATE EXACT LOCATIONS WITH ARCHITECT.
22	REFER TO MECHANICAL, PIPING OR ZONING DRAWINGS FOR THERMOSTAT AND TEMPERATURE SENSOR LOCATIONS.
23	CONDENSATE DRAINS SHALL BE PROVIDED FOR ALL COOLING EQUIPMENT. CONTRACTOR SHALL ENSURE PROPER INSTALLATION AND DRAINAGE AS REQUIRED BY FEDERAL, STATE, AND LOCAL CODES. CONDENSATE PIPING SHALL BE TYPE 1" COPPER UNLESS OTHERWISE NOTED IN THE SPECIFICATIONS.
24	PROVIDE A PIPING HOUSEKEEPING PAD FOR EACH PIECE OF MECHANICAL EQUIPMENT THAT IS FLOOR MOUNTED. COORDINATE SIZES WITH MECHANICAL EQUIPMENT SELECTED.
25	ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK SHALL BE RATED FOR PRESSURE CLASS OF 2" W.G. UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.
26	THIS CONTRACTOR SHALL BE REQUIRED TO REPLACE FILTERS ON HVAC EQUIPMENT AFTER ALL DUST PRODUCING CONSTRUCTION HAS BEEN COMPLETED AND PRIOR TO THE FINAL PUNCH.
MECHANICAL PIPING GENERAL NOTES	
1	PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE PIPING SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED, AND AS REQUIRED BY CODE.
2	UNLESS OTHERWISE NOTED, ALL MECHANICAL PIPING IS OVERHEAD TO RUN ABOVE DUCTWORK AND TIGHT TO UNDERSIDE OF STRUCTURE.
3	INSTALL PIPING SO THAT ALL VALVES, STRAINERS, UNIONS, TRAPS, FLANGES, AND OTHER APPURTENANCES REQUIRING ACCESS ARE ACCESSIBLE.
4	ALL VALVES SHALL BE INSTALLED SO THAT VALVES REMAINS IN SERVICE WHEN EQUIPMENT OR PIPING ON EQUIPMENT SIDE OF VALVE IS REMOVED.
5	PROVIDE AIR VENT AT HIGH POINT OF EACH DROP IN THE HEATING AND CHILLED WATER PIPING SYSTEM.
6	ALL VALVES SHALL BE ADJUSTED FOR SMOOTH AND EASY OPERATION AND TAGGED.
7	PROVIDE ISOLATION VALVES AT EACH EXISTENCE TRANCE INTO SHED WHETHER OR NOT SHOWN.
8	COORDINATE LOCATION OF THERMOSTAT WITH ARCHITECTURAL, FURNISHING PLANS. MOUNT THERMOSTAT AT HEIGHT AS SPECIFIED ON ARCHITECTURAL PLANS OR SPECIFICATIONS.
9	ALL PIPING UTILIZED IN CONDITIONED AIR STREAMS, CONDITIONED SPACES, OR RETURN AIR PLUMBING SHALL COMPLY WITH NFPA 68A FLAME SPREAD, SMOKE DEVELOPMENT, AND FUEL CONTRIBUTION RATINGS OF 25000, RESPECTIVELY, AS WELL AS ALL APPLICABLE BUILDING CODES AND PROJECT SPECIFICATIONS.
10	WHERE NOW DEMAND RATED PIPING IS PERMITTED OR REQUIRED WITHIN CONDITIONED AIR STREAMS, CONDITIONED SPACES, OR RETURN AIR PLUMBING, IT SHALL BE INSULATED TO ACHIEVE NFPA 68A FLAME SPREAD, SMOKE DEVELOPMENT, AND FUEL CONTRIBUTION RATINGS OF 25000, RESPECTIVELY, AND SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES AND PROJECT SPECIFICATIONS.

HVAC SHEET INDEX	
M001	HVAC TITLE SHEET
MS100	LEVEL 1 MECHANICAL SITE PLAN
MH01A	LEVEL 1 MECHANICAL HVAC PLAN A
MH01B	LEVEL 1 MECHANICAL HVAC PLAN B
MH01C	LEVEL 1 MECHANICAL HVAC PLAN C
MH02A	LEVEL 2 MECHANICAL HVAC PLAN A
MH02B	LEVEL 2 MECHANICAL HVAC PLAN B
MH02C	LEVEL 2 MECHANICAL HVAC PLAN C
MH03A	ROOF MECHANICAL HVAC PLAN A
MH03B	ROOF MECHANICAL HVAC PLAN B
MH03C	ROOF MECHANICAL HVAC PLAN C
M401	MECHANICAL ENLARGED VIEWS
M601	MECHANICAL DETAILS
M602	MECHANICAL DETAILS
M603	MECHANICAL DETAILS
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M605	MECHANICAL DETAILS
M606	MECHANICAL DETAILS
M607	MECHANICAL DETAILS
M608	MECHANICAL DETAILS
M609	MECHANICAL DETAILS
M61	MECHANICAL SCHEDULES

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Project #: 251000

**UTAH VALLEY SPORTS
PERFORMANCE CENTER**

SEAL & SIGNATURE

KEY PLAN

REVISION NO.	DESCRIPTION	DATE

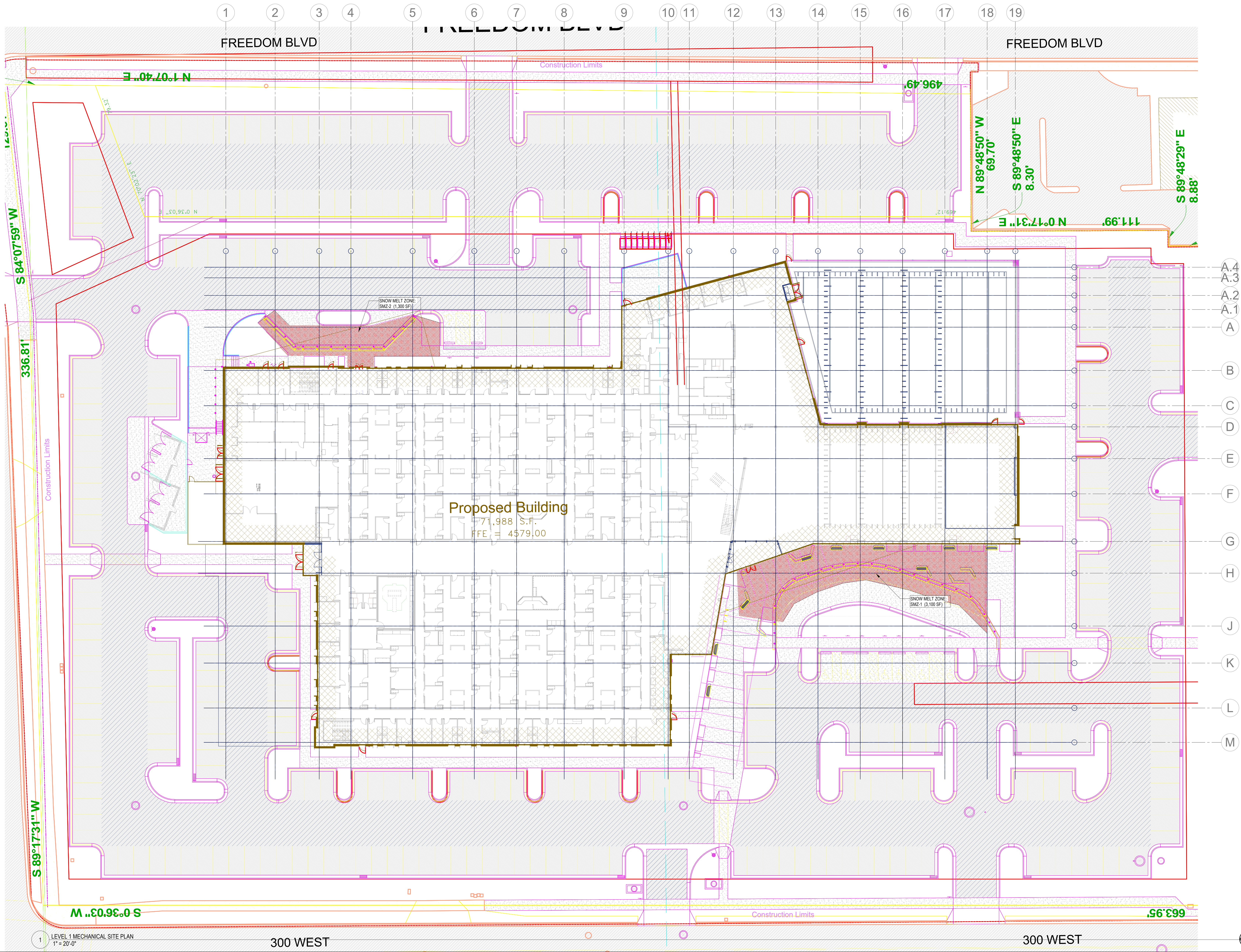
HKS PROJECT NUMBER
27487.000
DATE
8/26/2026
ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
HVAC TITLE SHEET

SHEET NO.

M001

TITLE BLOCK VERSION: 20210830
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KEYNOTES

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PROJECT ADDRESS: WEST 800 NORTH 200 WEST PROVO, UTAH 84604

SEAL & SIGNATURE

KEY PLAN



REVISION NO.	DESCRIPTION	DATE
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HKS PROJECT NUMBER
27487.000

DATE
8/26/2026

ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
LEVEL 1 MECHANICAL SITE PLAN

SHEET NO.

MS100

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KEYNOTES

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250 EAST 200 SOUTH, SUITE 1000
SALT LAKE CITY, UTAH 84111

M/P/FP ENGINEER
RESOLUT GROUP
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MURRAY, UTAH 84107

E/T ENGINEER
LYNK ENGINEERS, INC.
324 SOUTH STATE STREET, SUITE 400
SALT LAKE CITY, UTAH 84111



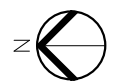
181 E 5600 S, Murray, UT 84107 | (801) 530-3148
info@resolutgroup.com | www.resolutgroup.com

Project #: 251000

Intermountain Health
UTAH VALLEY SPORTS
PERFORMANCE CENTER

SEAL & SIGNATURE

KEY PLAN



REVISION	NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
27487.000

DATE
8/26/2026

ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
**LEVEL 1 MECHANICAL
HVAC PLAN A**

SHEET NO.

MH101A

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TITLE BLOCK VERSION: 20210830
MODEL: AutoCAD Doc 27487.000 - L1 LV Sports Performance Center, 20250510.000 LV Sports Performance Center, MECH1, 2025.04
PRINT DATE: 8/26/2026 4:59:55 PM TEMPLATE VERSION: 23.0.6

KEYNOTES

HKS

ARCHITECT
HKS ARCHITECTS, INC.
90 SOUTH 400 WEST, #110
SALT LAKE CITY, UTAH 84101

CIVIL ENGINEER
GREAT BASIN ENGINEERING, INC.
5748 SOUTH 1475 EAST
OGDEN, UTAH 84403

LANDSCAPE ARCHITECT
MODHA STUDIO
145 WEST 200 SOUTH
SALT LAKE CITY, UTAH 84101

STRUCTURAL ENGINEER
REAVELEY ENGINEERS
250 EAST 200 SOUTH, SUITE 1000
SALT LAKE CITY, UTAH 84111

M/P/FP ENGINEER
RESOLUT GROUP
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MURRAY, UTAH 84107

E/T ENGINEER
LYNK ENGINEERS, INC.
324 SOUTH STATE STREET, SUITE 400
SALT LAKE CITY, UTAH 84111



Project #: 251000

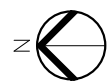


UTAH VALLEY SPORTS
PERFORMANCE CENTER

PROJECT ADDRESS: WEST 880 NORTH 200 WEST PROVO, UTAH 84604

SEAL & SIGNATURE

KEY PLAN



REVISION
NO. DESCRIPTION DATE

HKS PROJECT NUMBER
27487.000

DATE
8/26/2026

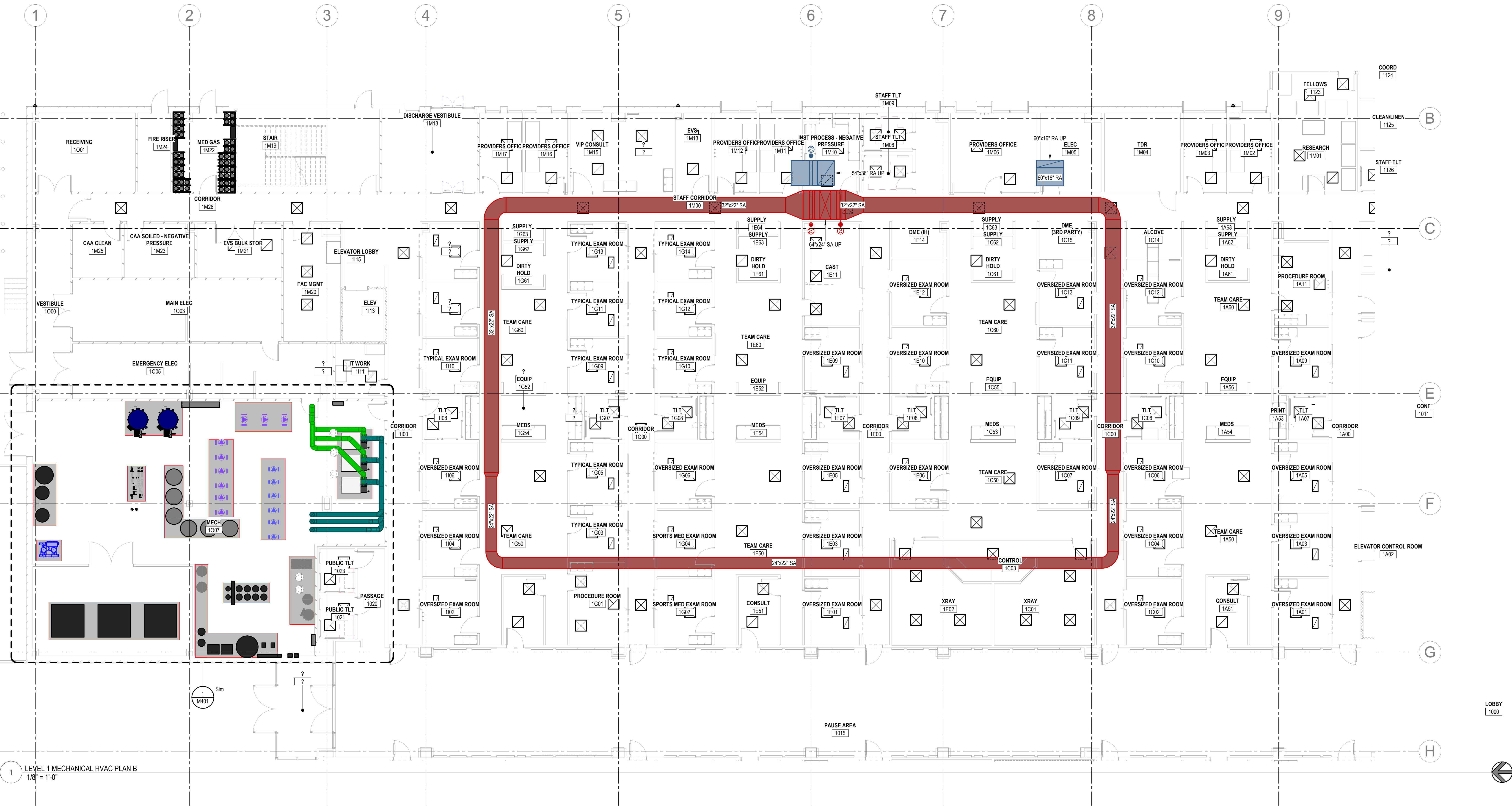
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DESIGN DEVELOPMENT

SHEET TITLE
LEVEL 1 MECHANICAL
HVAC PLAN B

SHEET NO.

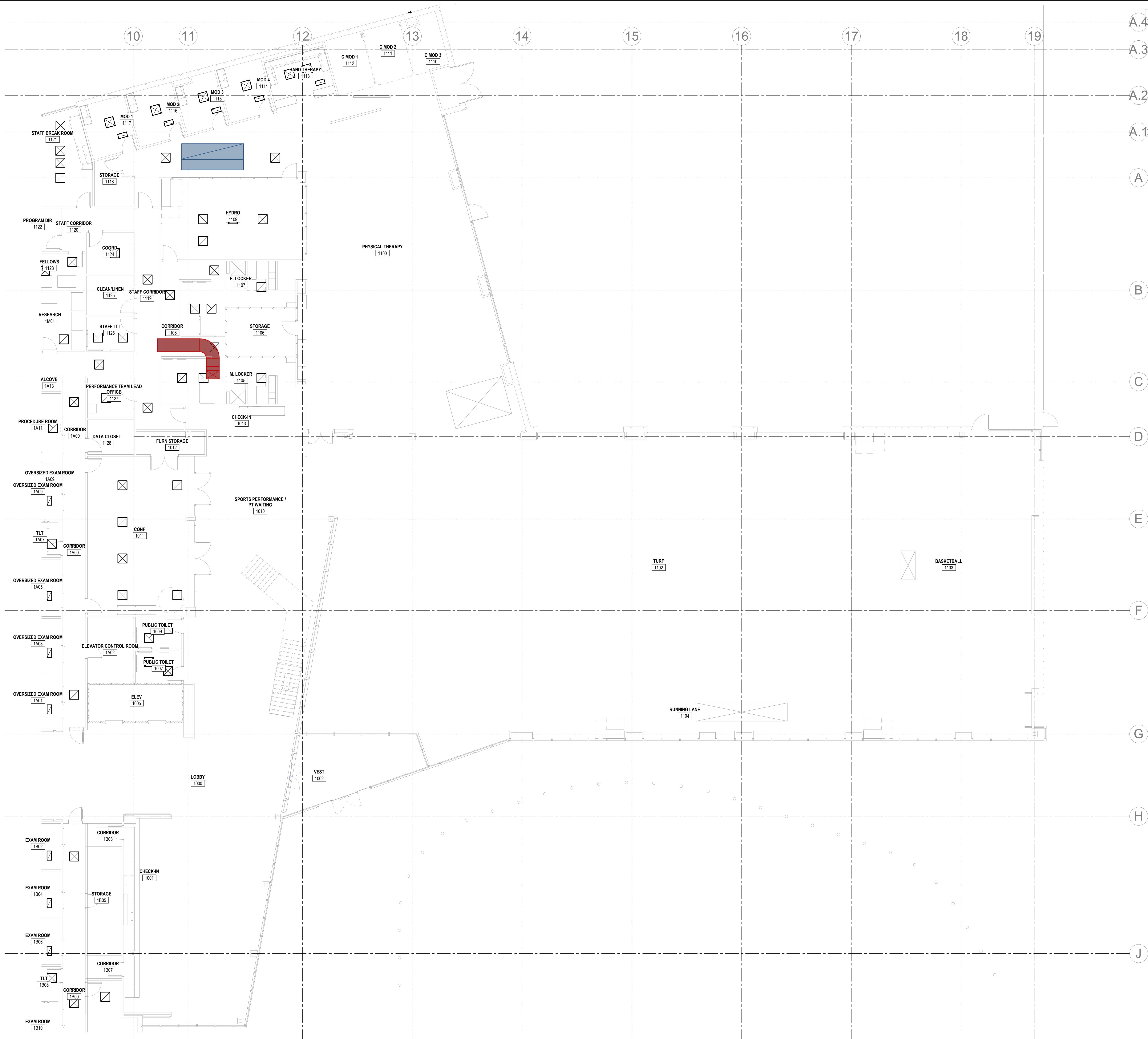
MH101B

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1 LEVEL 1 MECHANICAL HVAC PLAN B
1/8" = 1'-0"

TITLE BLOCK VERSION: 20210830
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PRINT DATE: 8/26/2026 4:59:58 PM TEMPLATE VERSION: 23.0.6



1 LEVEL 1 MECHANICAL HVAC PLAN C
1/8" = 1'-0"

KEYNOTES

HKS

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HKS ARCHITECTS, INC.
90 SOUTH 400 WEST, #110
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CIVIL ENGINEER
GREAT BASIN ENGINEERING, INC.
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OGDEN, UTAH 84403

LANDSCAPE ARCHITECT
MODHA STUDIO
145 WEST 200 SOUTH
SALT LAKE CITY, UTAH 84101

STRUCTURAL ENGINEER
REAVELEY ENGINEERS
250 EAST 200 SOUTH, SUITE 1000
SALT LAKE CITY, UTAH 84111

M/P/FP ENGINEER
RESOLUT GROUP
181 EAST 5600 SOUTH, SUITE 200
MURRAY, UTAH 84107

E/T ENGINEER
LYNK ENGINEERS/SEERS, INC.
324 SOUTH STATE STREET, SUITE 400
SALT LAKE CITY, UTAH 84111



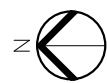
181 E 5600 S, Murray, UT 84107 | (801) 530-3148
info@resolutgroup.com | www.resolutgroup.com

Project #: 251000

Intermountain Health
**UTAH VALLEY SPORTS
PERFORMANCE CENTER**

SEAL & SIGNATURE

KEY PLAN



REVISION NO.	DESCRIPTION	DATE
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HKS PROJECT NUMBER
27487.000

DATE
8/26/2026

ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
**LEVEL 1 MECHANICAL
HVAC PLAN C**

SHEET NO.

MH101C

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5748 SOUTH 1475 EAST
OGDEN, UTAH 84403

LANDSCAPE ARCHITECT

MOB+A STUDIO
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SALT LAKE CITY, UTAH 84101

STRUCTURAL ENGINEER

REAVELEY ENGINEERS
250 EAST 200 SOUTH, SUITE 1000
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M/P/FP ENGINEER

RESOLUT GROUP
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MURRAY, UTAH 84107

E/T ENGINEER

LYNK ENGINEERS, INC.
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SALT LAKE CITY, UTAH 84111181 E 5600 S, Murray, UT 84107 | (801) 530-3148
info@resolutgroup.com | www.resolutgroup.com

Project #: 251000

UTAH VALLEY SPORTS
PERFORMANCE CENTER

PROJECT ADDRESS: WEST 880 NORTH 200 WEST PROVO, UTAH 84604

SEAL & SIGNATURE

KEY PLAN



REVISION NO.	DESCRIPTION	DATE
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HKS PROJECT NUMBER

27487.000

DATE

8/26/2026

ISSUE

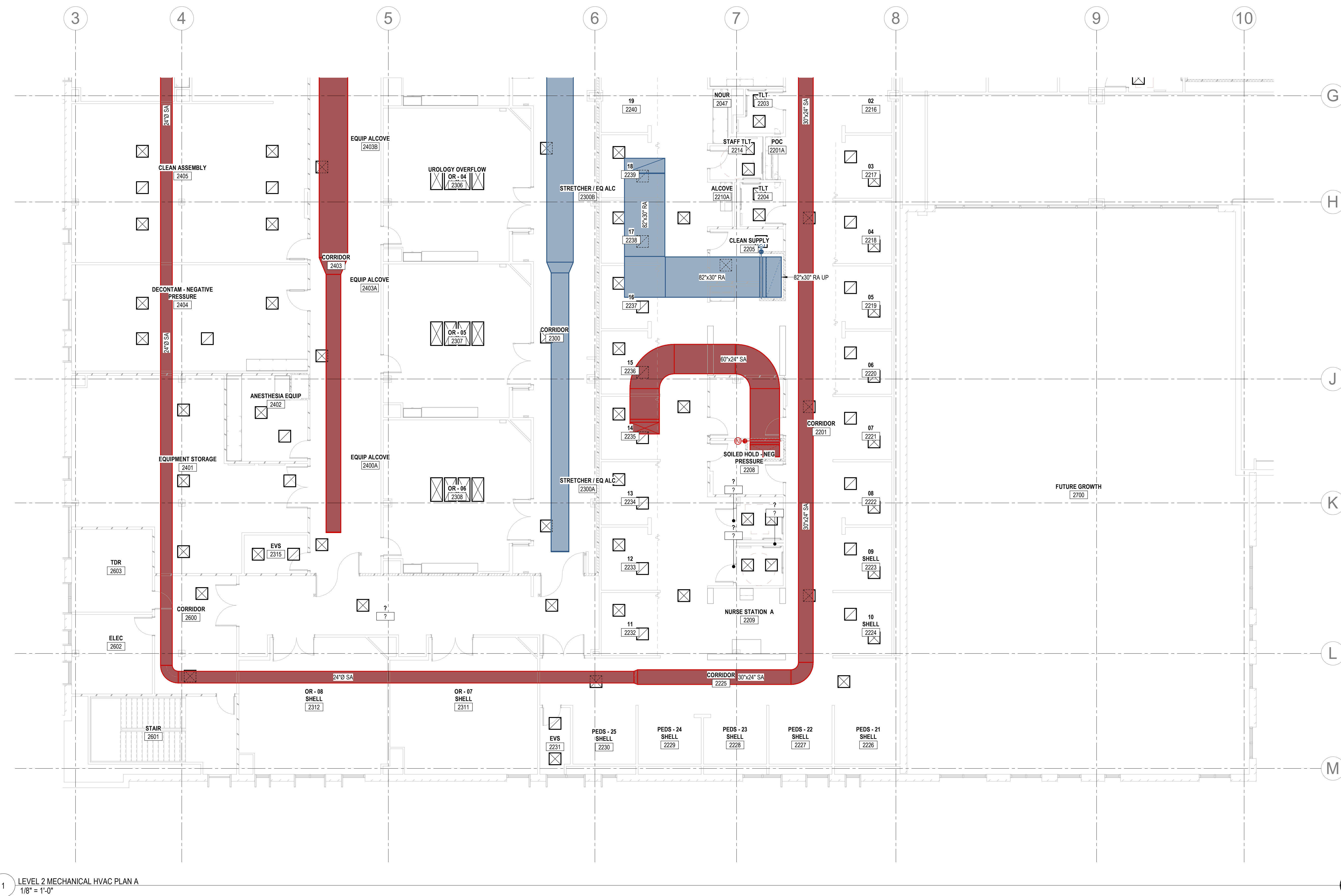
DESIGN DEVELOPMENT

SHEET TITLE

LEVEL 2 MECHANICAL
HVAC PLAN A

SHEET NO.

MH102A





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Project #: 251000

Project #: 251000

**UTAH VALLEY SPORTS
PERFORMANCE CENTER**

 Intermountain
Health

SEAL & SIGNATURE

KEY PLAN



REVISION		
NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER

27487.000

DATE
8/26/2026

ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
**LEVEL 2 MECHANICAL
HVAC PLAN B**

SHEET NO.

MH102B

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PRINT DATE: 8/26/2025 5:00:09 PM TEMPLATE VERSION: 23.0.6 MODEL: AutoDesk Docs 27487.000 - H - LV Sports Performance Center - 2025-05-10-00 - LV Sports Performance Center - MECH - 2025-04 TITLE BLOCK VERSION: 20210830



A.4
A.3

A.2

A.1

A

B

C

D

E

F

G

H

J

KEYNOTES

HKS

ARCHITECT
HKS ARCHITECTS, INC.
90 SOUTH 400 WEST, #110
SALT LAKE CITY, UTAH 84101

CIVIL ENGINEER
GREAT BASIN ENGINEERING, INC.
5748 SOUTH 1475 EAST
OGDEN, UTAH 84403

LANDSCAPE ARCHITECT
MOB+A STUDIO
145 WEST 200 SOUTH
SALT LAKE CITY, UTAH 84101

STRUCTURAL ENGINEER
REAVELEY ENGINEERS
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M/P/FP ENGINEER
RESOLUT GROUP
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MURRAY, UTAH 84107

E/T ENGINEER
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Project #: 251000



**UTAH VALLEY SPORTS
PERFORMANCE CENTER**

PROJECT ADDRESS: WEST 880 NORTH-200 WEST PROVO, UTAH 84604

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KEY PLAN



REVISION	NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
27487.000

DATE
8/26/2026

ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
**LEVEL 2 MECHANICAL
HVAC PLAN C**

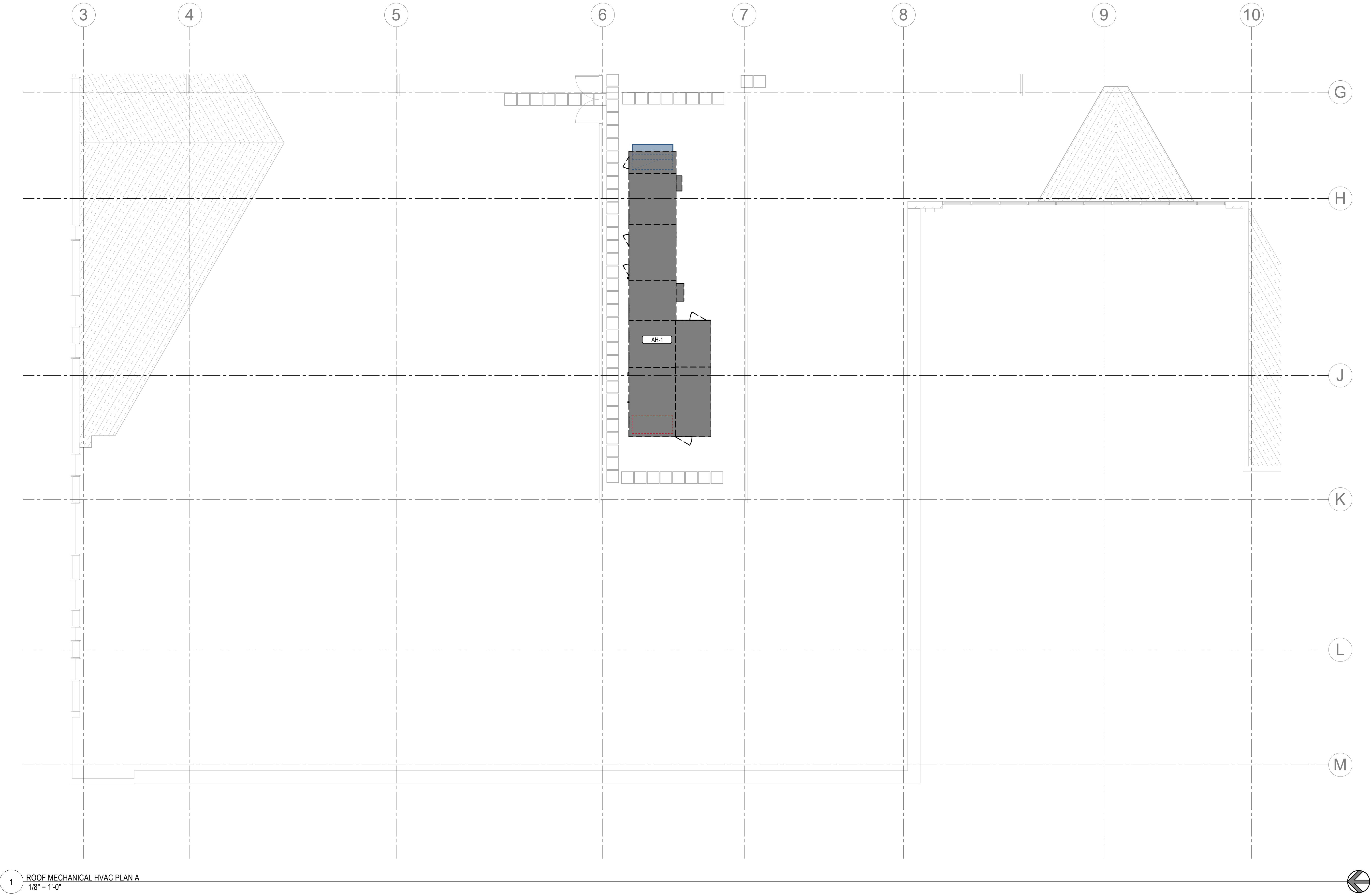
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KEYNOTES



1 ROOF MECHANICAL HVAC PLAN A
1/8" = 1'-0"

HKS

ARCHITECT
HKS ARCHITECTS, INC.
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SALT LAKE CITY, UTAH 84101

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OGDEN, UTAH 84403

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MODHA STUDIO
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RESOLUT GROUP
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Project #: 251000



**UTAH VALLEY SPORTS
PERFORMANCE CENTER**

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KEY PLAN



REVISION NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
27487.000

DATE
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DESIGN DEVELOPMENT

SHEET TITLE
**ROOF MECHANICAL
HVAC PLAN A**

SHEET NO.

MH103A

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5748 SOUTH 1475 EAST
OGDEN, UTAH 84403

LANDSCAPE ARCHITECT

MOB+A STUDIO
145 WEST 200 SOUTH
SALT LAKE CITY, UTAH 84101

STRUCTURAL ENGINEER

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250 EAST 200 SOUTH, SUITE 1000
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M/P/FP ENGINEER

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Project #: 251000

UTAH VALLEY SPORTS
PERFORMANCE CENTER

PROJECT ADDRESS: WEST 880 NORTH 200 WEST PROVO, UTAH 84604

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KEY PLAN



REVISION NO.	DESCRIPTION	DATE
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HKS PROJECT NUMBER

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DATE

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ISSUE

DESIGN DEVELOPMENT

SHEET TITLE

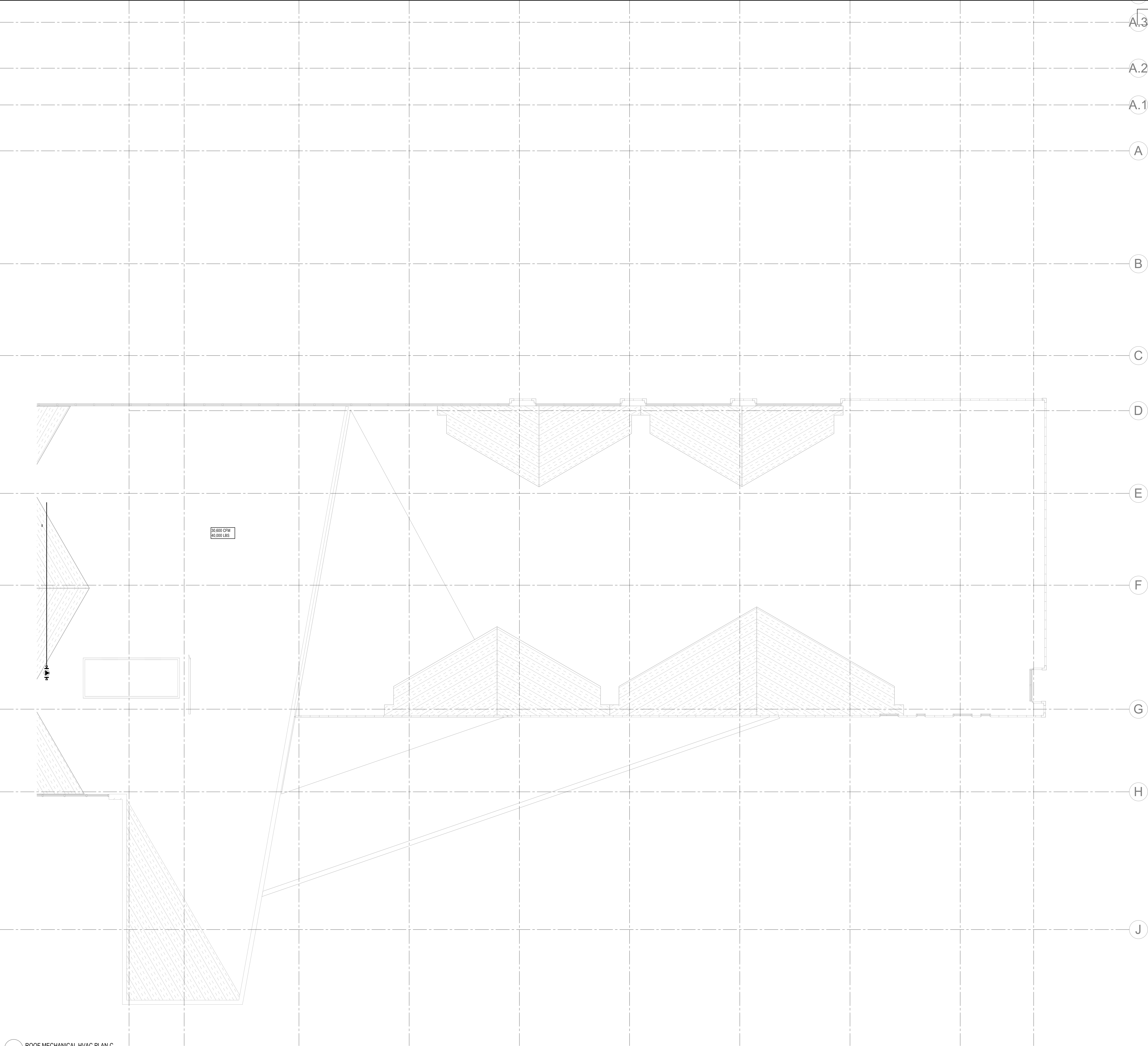
ROOF MECHANICAL
HVAC PLAN B

SHEET NO.

MH103B

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1 ROOF MECHANICAL HVAC PLAN C
1/8" = 1'-0"

A.4
A.3 KEYNOTES

A.2

A.1

A

B

C

D

E

F

G

H

J

HKS

ARCHITECT
HKS ARCHITECTS, INC.
90 SOUTH 400 WEST, #110
SALT LAKE CITY, UTAH 84101

CIVIL ENGINEER
GREAT BASIN ENGINEERING, INC.
5748 SOUTH 1475 EAST
OGDEN, UTAH 84403

LANDSCAPE ARCHITECT
MOB+A STUDIO
145 WEST 200 SOUTH
SALT LAKE CITY, UTAH 84101

STRUCTURAL ENGINEER
REAVELEY ENGINEERS
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RESOLUT GROUP
181 EAST 5600 SOUTH, SUITE 200
MURRAY, UTAH 84107

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LYNK ENGINEERS/ENGINEERS, INC.
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SALT LAKE CITY, UTAH 84111



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Project #: 251000

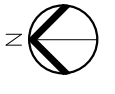


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PERFORMANCE CENTER**

PROJECT ADDRESS: WEST 880 NORTH 200 WEST PROVO, UTAH 84604

SEAL & SIGNATURE

KEY PLAN



REVISION NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
27487.000

DATE
8/26/2026

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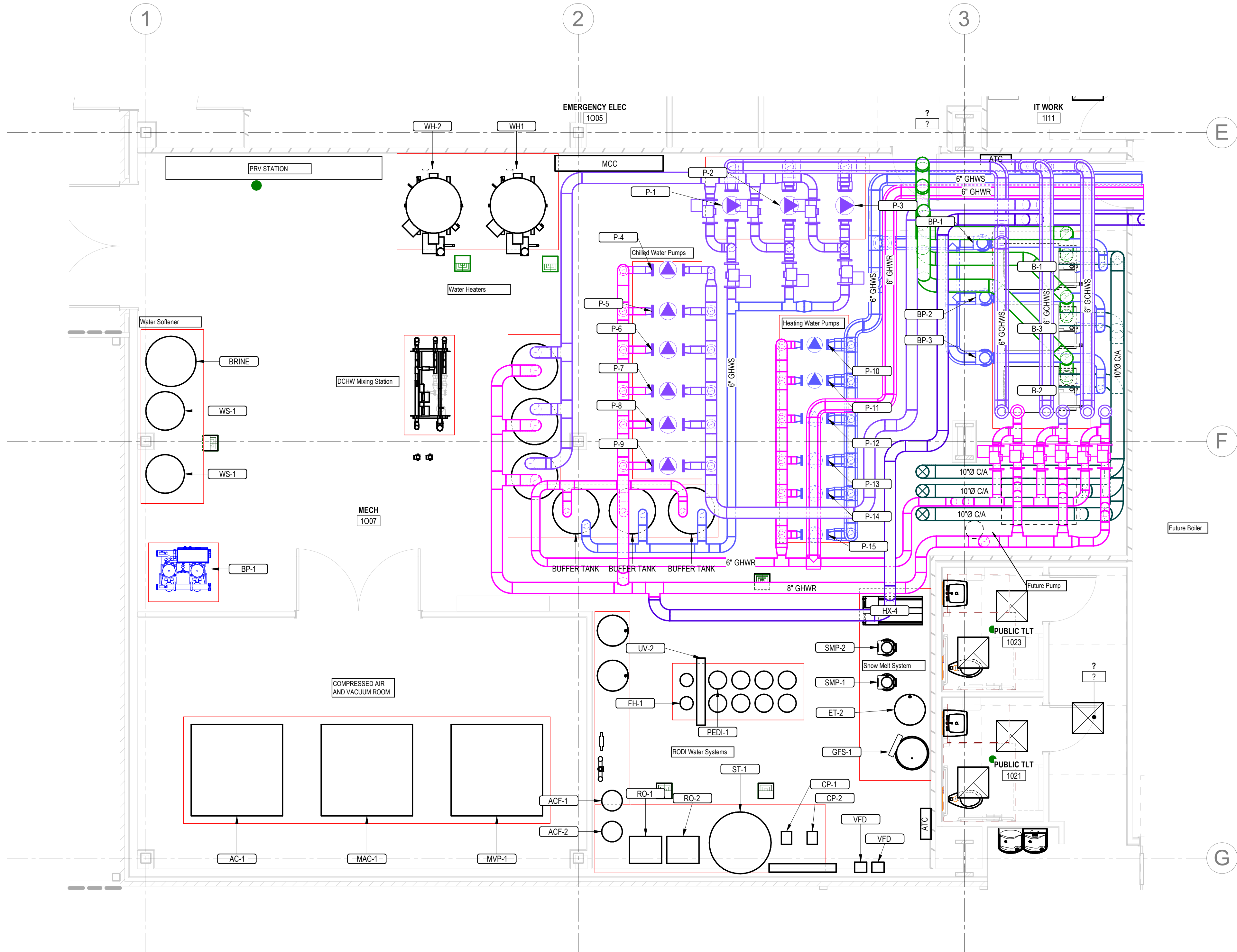
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**ROOF MECHANICAL
HVAC PLAN C**

SHEET NO.

MH103C

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1 ENLARGED MECHANICAL ROOM PLAN
1/4" = 1'-0"

KEYNOTES

HKS

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90 SOUTH 400 WEST, #110
SALT LAKE CITY, UTAH 84101

CIVIL ENGINEER
GREAT BASIN ENGINEERING, INC.
5748 SOUTH 1475 EAST
OGDEN, UTAH 84403

LANDSCAPE ARCHITECT
MOB+A STUDIO
145 WEST 200 SOUTH
SALT LAKE CITY, UTAH 84101

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REAVELEY ENGINEERS
250 EAST 200 SOUTH, SUITE 1000
SALT LAKE CITY, UTAH 84111

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181 EAST 5600 SOUTH, SUITE 200
MURRAY, UTAH 84107

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LYNK ENGINEERS, INC.
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SALT LAKE CITY, UTAH 84111



Project #: 251000

**UTAH VALLEY SPORTS
PERFORMANCE CENTER**



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KEY PLAN



REVISION NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
27487.000

DATE
8/26/2026

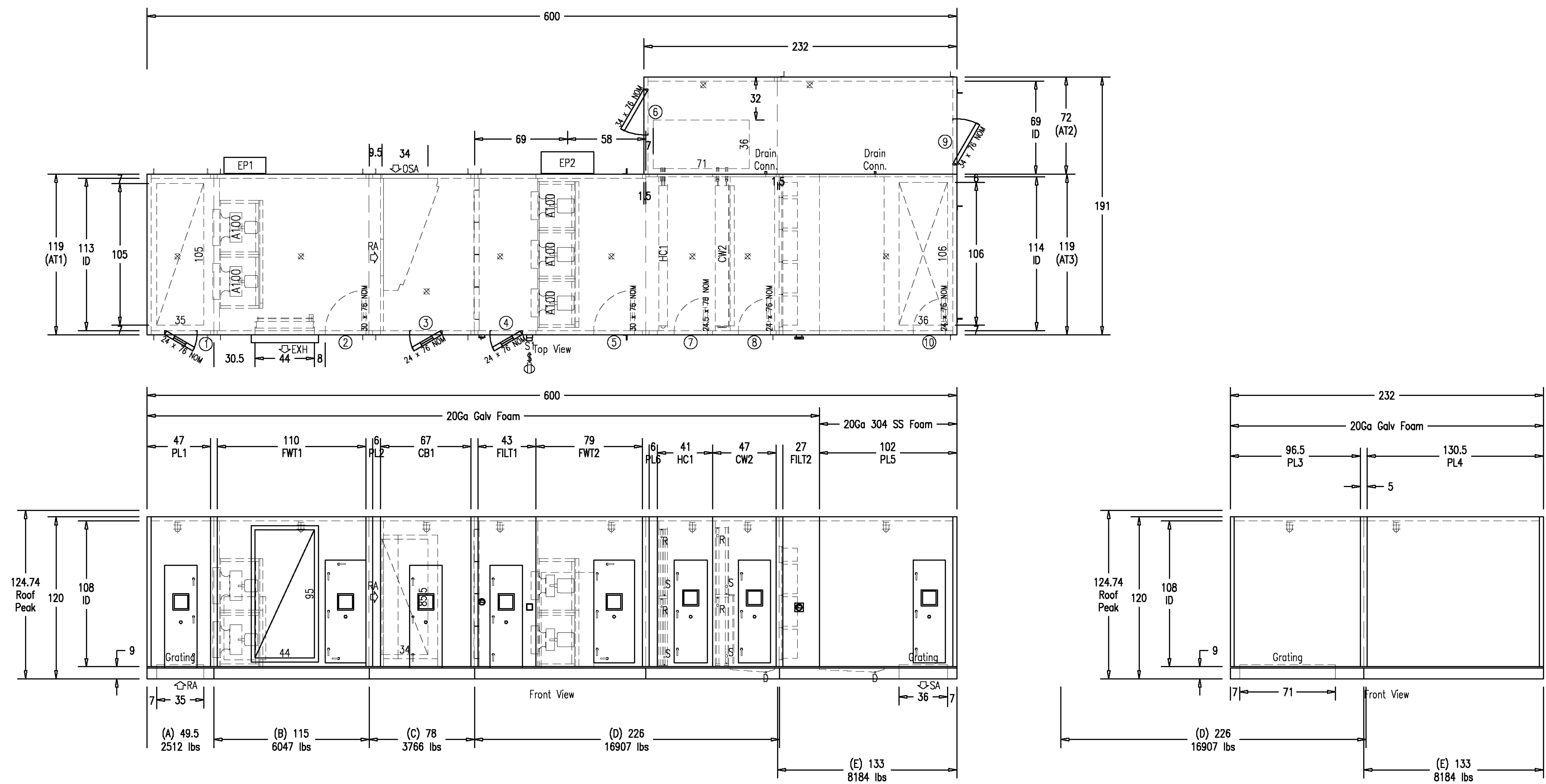
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DESIGN DEVELOPMENT

SHEET TITLE
**MECHANICAL
ENLARGED VIEWS**

SHEET NO.

M401

Preliminary



All dimensions shown in inches, Operating weights shown in pounds. Overall unit dimensions do not include lifting lugs, electrical panels, pipe connections, door handles, etc.
ITF - Integrated Frame Construction
Roof curb provided by others



106 N Industrial Blvd. (405) 817-9700
Okarche, OK 73762 www.nortekair.com

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Rev	Revision Description					Date m/d/y	
Intermountain Health Utah Valley Sports							
Unit Tag AH-3					Unit Type Weight	Disq Qty Box Qty	
Rep Firm Mechanical Products NSW: Midvale ~					37,417	5	
Rep Contact Daniel George, (801) 352-9003			Model No ITF-RDHRE71				
QUOTE #	Project ID 142865	Proj. Ver	NASDA Ver 12.1.5.3	Factory SAE	Date m/d/y 3/9/2026	Rev A	

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OGDEN, UTAH 84403

LANDSCAPE ARCHITECT
MGB+A STUDIO
145 WEST 200 SOUTH
SALT LAKE CITY, UTAH 84101

STRUCTURAL ENGINEER
REAVELEY ENGINEERS
250 EAST 200 SOUTH, SUITE 1000
SALT LAKE CITY, UTAH 84111

M/P/FP ENGINEER
RESOLUT GROUP
181 EAST 5600 SOUTH, SUITE 20
MURRAY, UTAH 84107

E/T ENGINEER
LYNK ENGINEERS/IEERS, INC
324 SOUTH STATE STREET, SUITE 400
SALT LAKE CITY, UTAH 84111



Project #: 251000

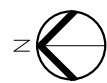
Intermountain
Health

**UTAH VALLEY SPORTS
PERFORMANCE CENTER**

Project #: 251000

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KEY PLAN



REVISION		
NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER

27487.000

DATE
8/26/2026

ISSUE
DESIGN DEVELOPMENT

SHEET TITLE

MECHANICAL DETAILS

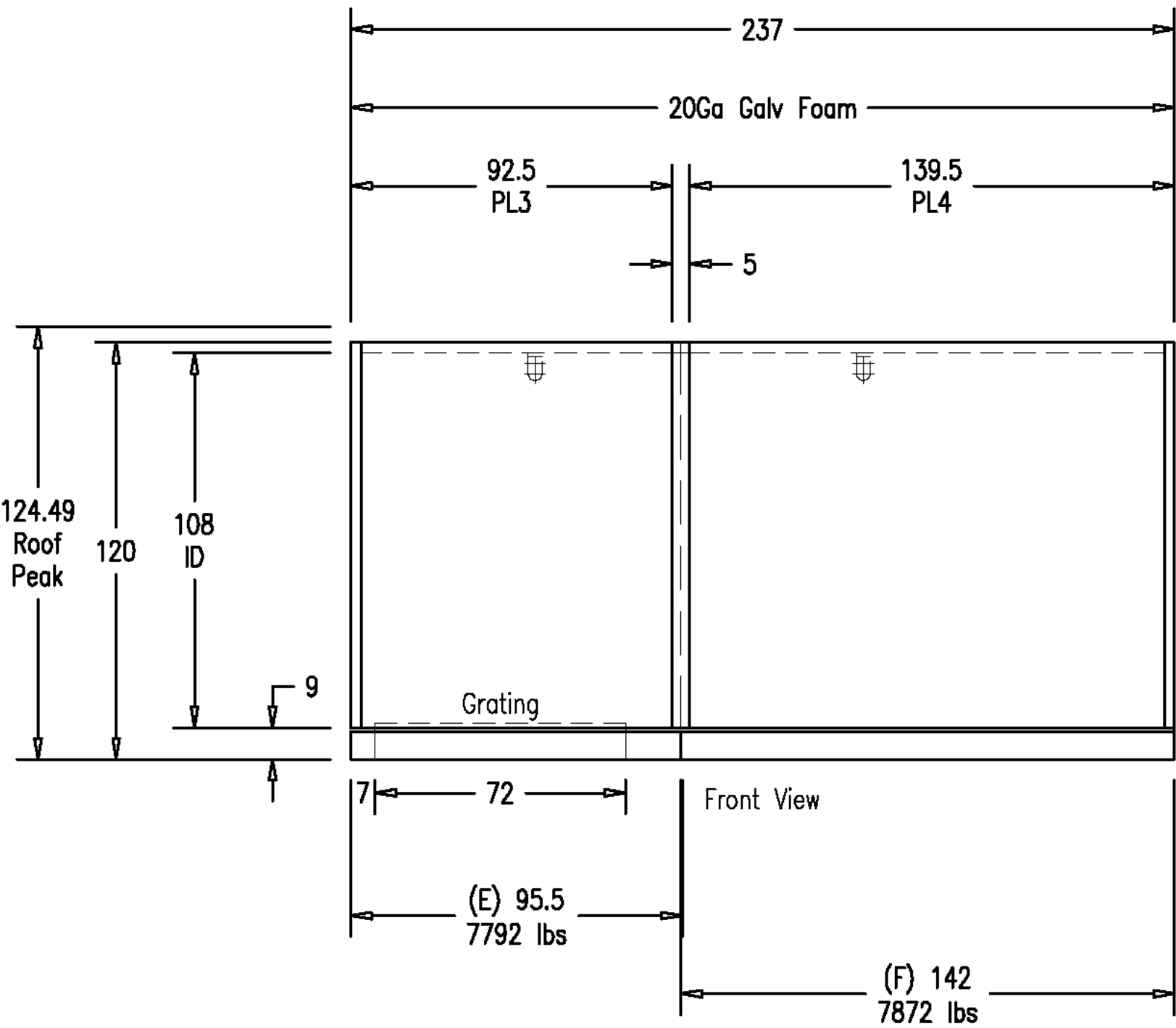
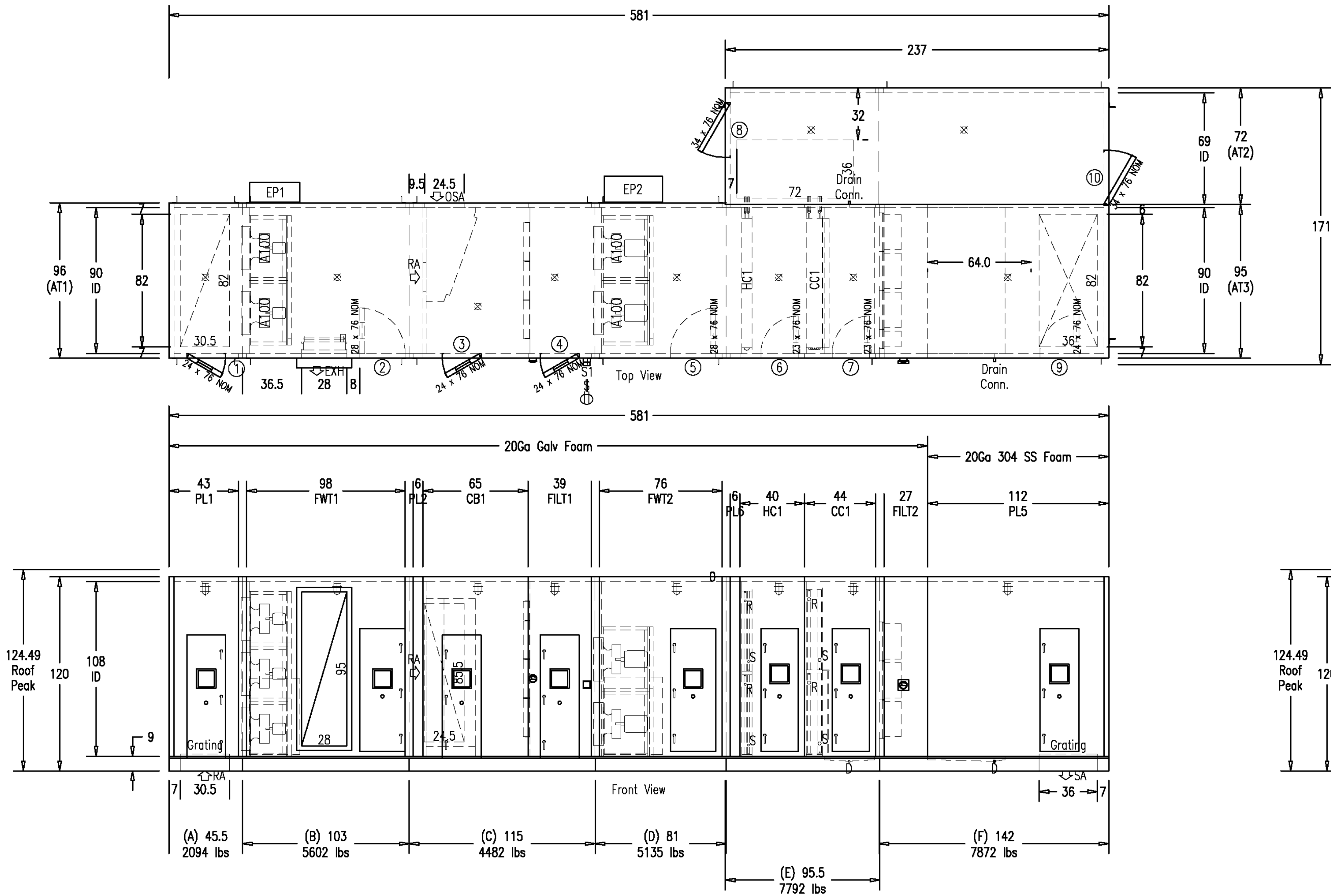
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M503

TITLE BLOCK VERSION: 20210830
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PRINT DATE: 8/26/2026 5:04:41 PM TEMPLATE VERSION: 23.0.6

Printed (yyy-mm-dd), 2026-08-03

Preliminary



All dimensions shown in inches. Operating weights shown in pounds. Overall unit dimensions do not include lifting lugs, electrical panels, pipe connections, door handles, etc.
ITF - Integrated Frame Construction
Roof curb provided by others

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TENTROL

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Rev	Revision Description	Date m/d/y
1	Intermountain Health Utah Valley Sports	
Unit Tag: AH-4		
Rep Firm: Mechanical Products NSW: Midvale ~		
Rep Contact: Daniel George, (801) 352-9003		
Model No: ITF-RDHES7		
QUOTE #	Project ID	Proj. Ver
142865	1	12.1.5.3
NASDA Ver	Factory SAE	Date m/d/y
3/9/2026		
Rev		
A		

HKS

ARCHITECT
HKS ARCHITECTS, INC.
90 SOUTH 400 WEST, #110
SALT LAKE CITY, UTAH 84101

CIVIL ENGINEER
GREAT BASIN ENGINEERING, INC.
5748 SOUTH 1475 EAST
ODDSEN, UTAH 84403

LANDSCAPE ARCHITECT
MODHA STUDIO
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RESOLUT GROUP
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Project #: 251000

**UTAH VALLEY SPORTS
PERFORMANCE CENTER**

SEAL & SIGNATURE

KEY PLAN



REVISION
NO. DESCRIPTION DATE

HKS PROJECT NUMBER
27487.000

DATE
8/26/2026

ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
MECHANICAL DETAILS

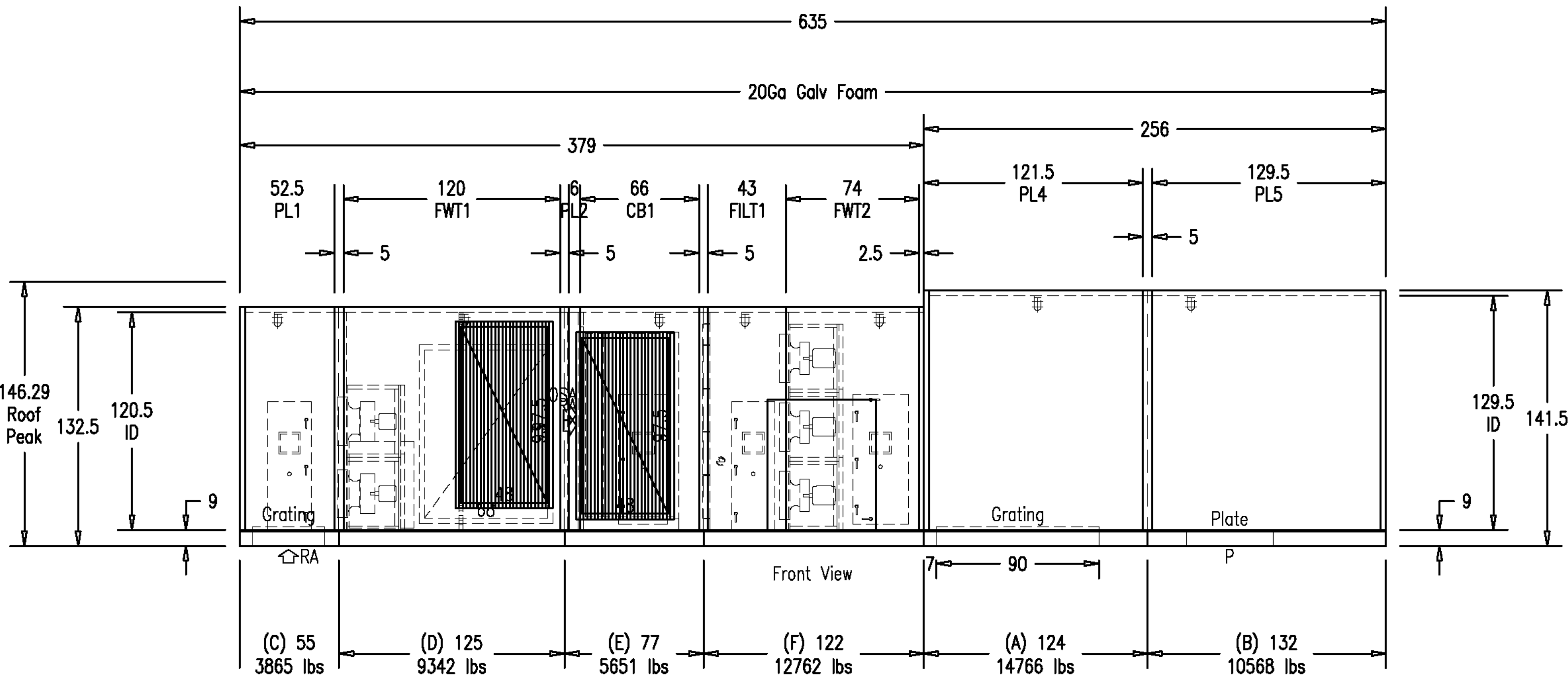
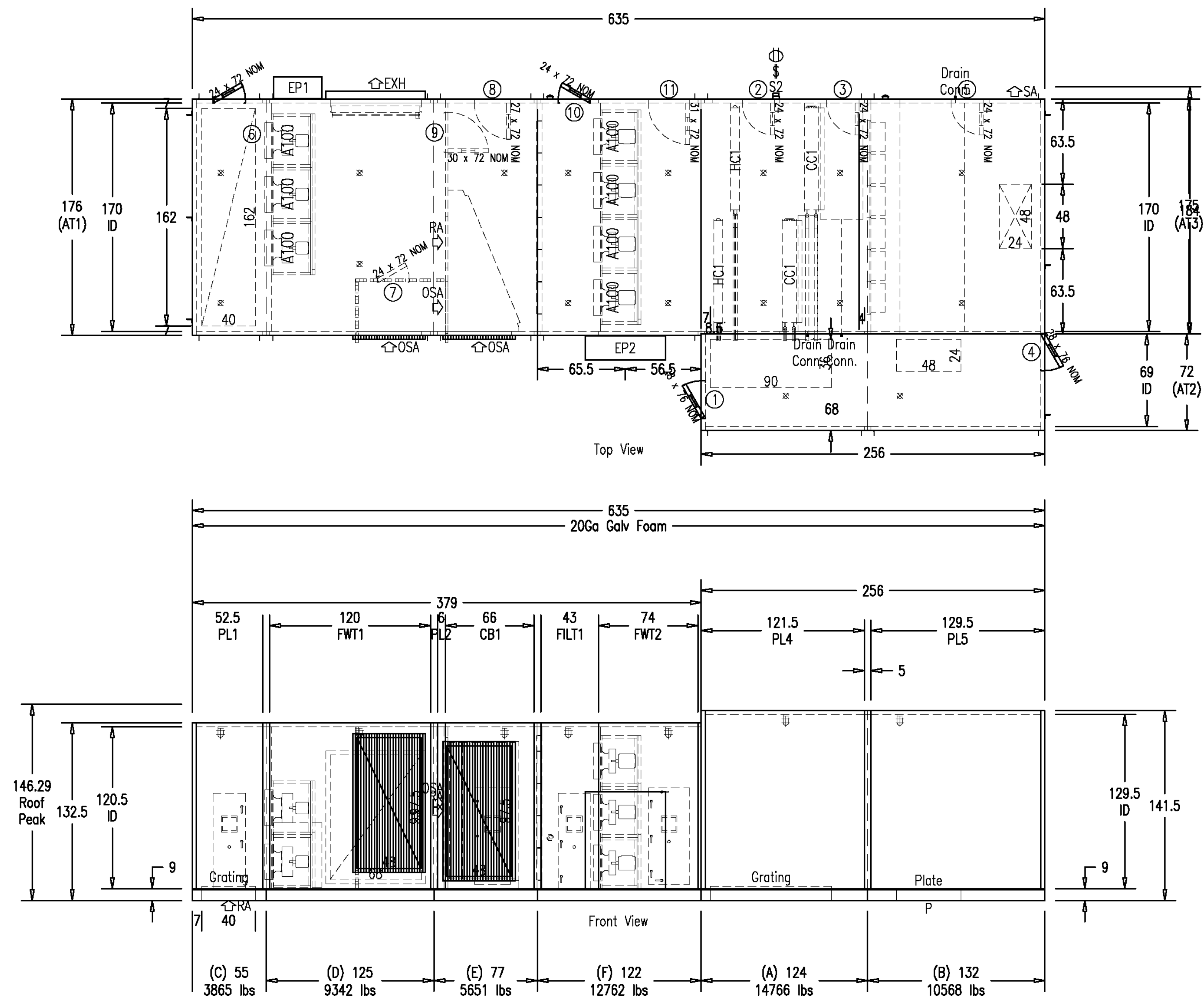
SHEET NO.

M504

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MODEL: Attached Docs 27487.M00, H-UV Sports Performance Center, 20250510.00, UVM Sports Performance Center, MECH, 2025.14
PRINT DATE: 8/26/2025 5:04:42 PM TEMPLATE VERSION: 23.0.6

Preliminary | Engineering Review Required | IBC Certified



All dimensions shown in inches. Operating weights shown in pounds. Overall unit dimensions do not include lifting lugs, electrical panels, pipe connections, door handles, etc.
ITF - Integrated Frame Construction
Roof curb provided by others
IBC Certified



105 N Industrial Blvd.
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(405) 817-9700
www.nortekair.com

Rev	Revision Description	Date m/d/y
Intermountain Health Utah Valley Sports		
Unit Tag	Unit Type	Des Qty
AH-5	Outdoor	1
Rep Firm	Weight	Box Qty
Mechanical Products NSW: Midvale ~	56,954	6
Rep Contact	Model No	
Daniel George, (801) 352-9003	ITF-RDHR130	
QUOTE #	Project ID	Proj. Ver
142865	12.1.6.0	1
NASDA Ver	Factory SAE	Date m/d/y
12.1.6.0		8/7/2026
Rev	A	

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LANDSCAPE ARCHITECT
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RESOLUT GROUP
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MURRAY, UTAH 84107

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LYNK ENGINEERS, INC.
324 SOUTH STATE STREET, SUITE 400
SALT LAKE CITY, UTAH 84111



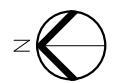
181 E 5600 S, Murray, UT 84107 | (801) 530-3148
info@resolutgroup.com | www.resolutgroup.com

Project #: 251000

Intermountain Health
**UTAH VALLEY SPORTS
PERFORMANCE CENTER**
PROJECT ADDRESS: WEST 880 NORTH, 200 WEST PROVIDENCE, UTAH 84004

SEAL & SIGNATURE

KEY PLAN



REVISION
NO. DESCRIPTION DATE

HKS PROJECT NUMBER
27487.000

DATE
8/26/2026

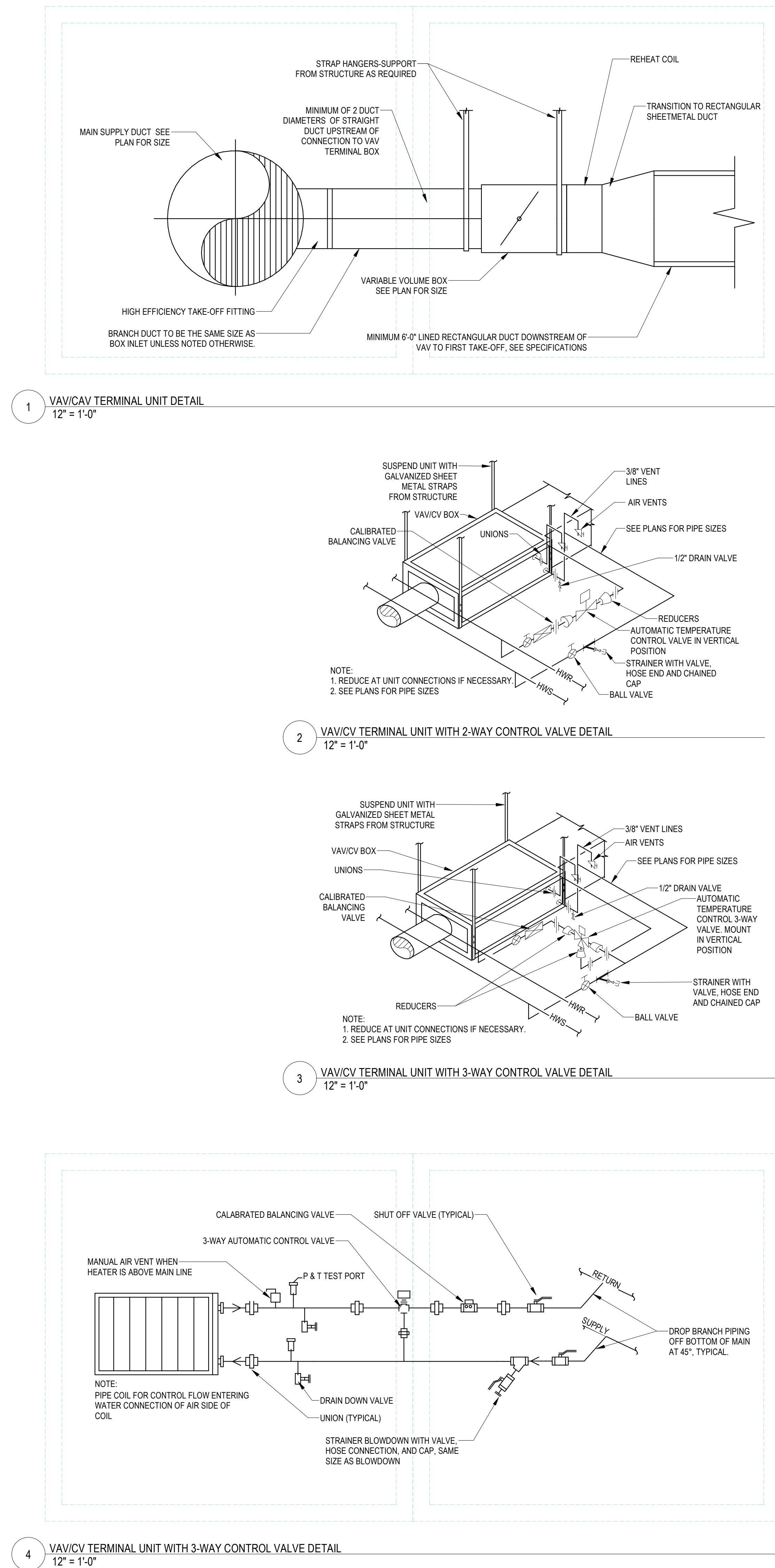
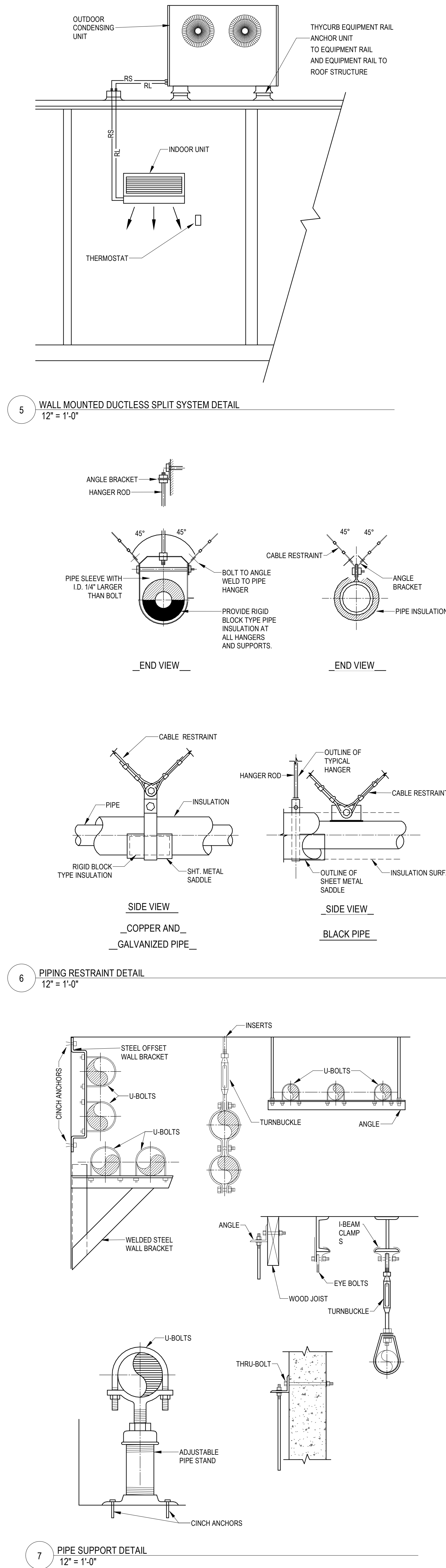
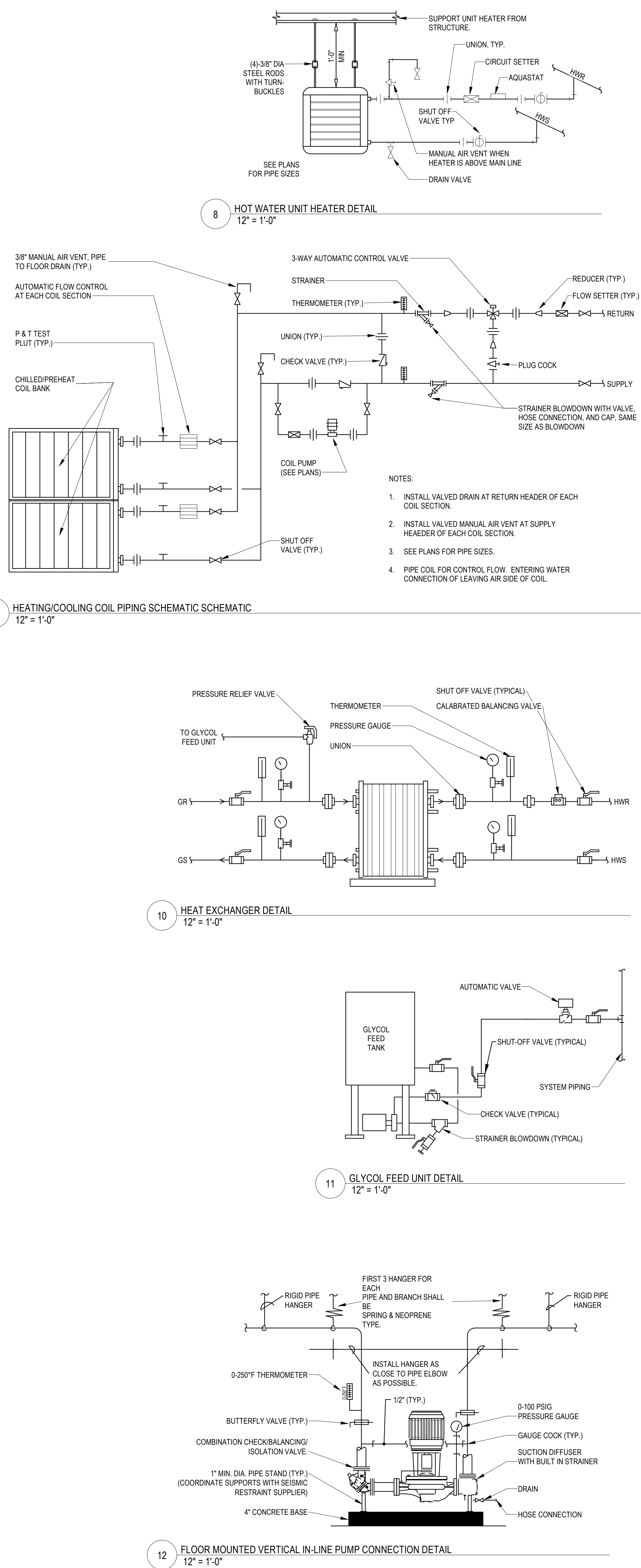
ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
MECHANICAL DETAILS

SHEET NO.

M505

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GREAT BASIN ENGINEERING, INC.
5748 SOUTH 1475 EAST
OGDEN, UTAH 84403LANDSCAPE ARCHITECT
MODHA STUDIO
145 WEST 200 SOUTH
SALT LAKE CITY, UTAH 84101STRUCTURAL ENGINEER
REAVELEY ENGINEERS
250 EAST 200 SOUTH, SUITE 1000
SALT LAKE CITY, UTAH 84111M/P/FP ENGINEER
RESOLUT GROUP
181 EAST 5600 SOUTH, SUITE 200
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LYNK ENGINEERS, INC.
324 SOUTH STATE STREET, SUITE 400
SALT LAKE CITY, UTAH 84111181 E 5600 S, Murray, UT 84107 | (801) 530-3148
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Project #: 251000

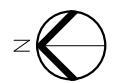


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UTAH VALLEY SPORTS
PERFORMANCE CENTER

PROJECT ADDRESS: WEST 880 NORTH, 200 WEST PROVIDO, UTAH 84604

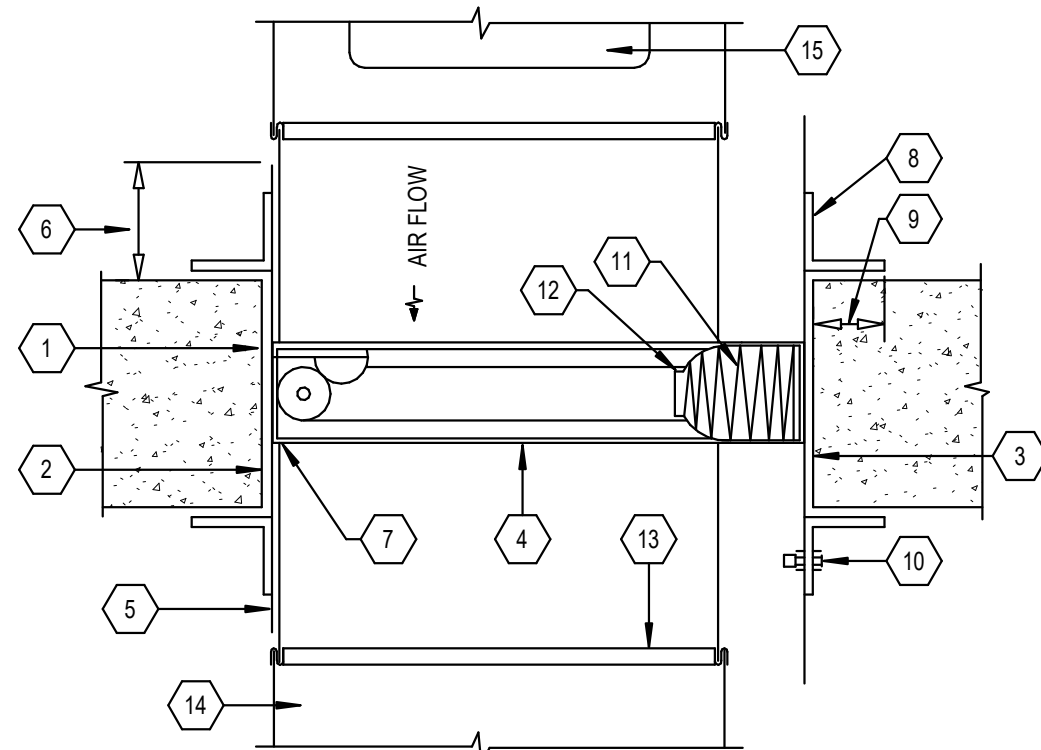
KEY PLAN

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DESIGN DEVELOPMENTSHEET TITLE
MECHANICAL DETAILS

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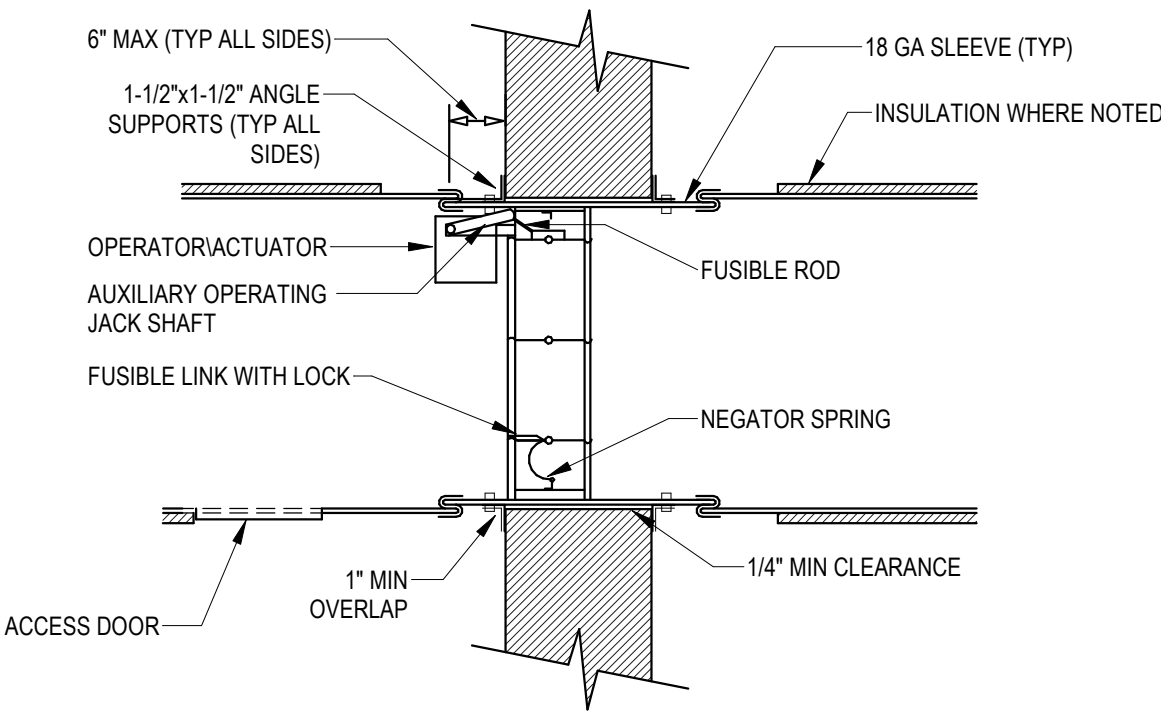
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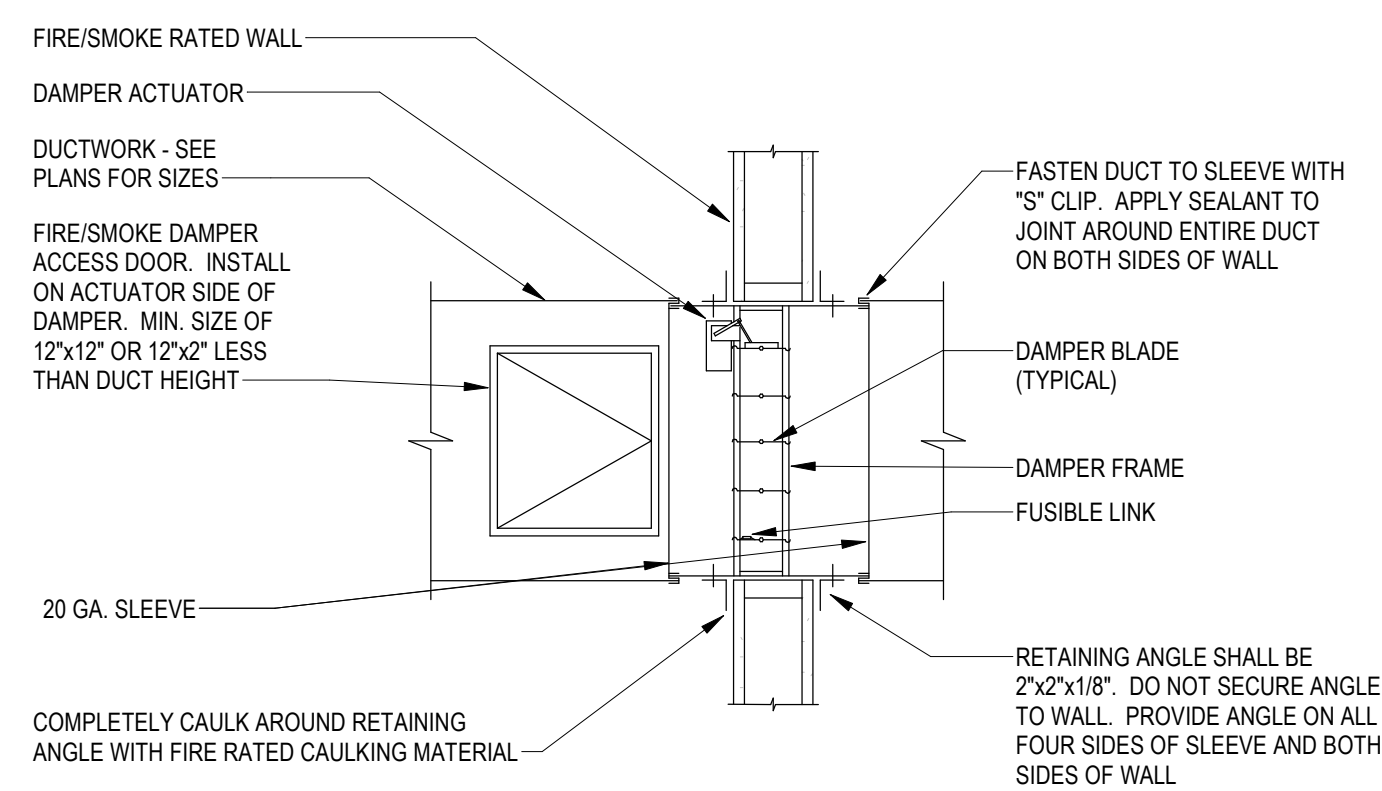


- MASONRY OPENING AS SHOWN. FOR NON-MASONRY FLOORS, OPENING PREPARED WITH DOUBLE JOIST & HEADERS.
- INTERIOR OF OPENING LINED WITH U.L. LISTED MATERIAL HAVING SAME FIRE RESISTIVE RATING AS FLOOR.
- CLEARANCE FOR THERMAL EXPANSION 1/8 INCH PER FOOT OF DUCT DIMENSION. MAX. 1/2 INCH. HALF FOR EACH SIDE.
- FIRE DAMPER-U.L. OR SMACNA LABEL. FOR HORIZONTAL INSTALLATION.
- STEEL SLEEVE. MINIMUM 14 GAGE.
- SLEEVE TO EXTEND A MINIMUM OF 3 INCHES BEYOND FLOOR LINE.
- BOLT OR WELD DAMPER TO SLEEVE. MINIMUM 1/4 INCH BOLTS OR 1/2 INCH WELDS 12 INCHES O.C. BEGIN 2 INCHES FROM CORNERS.
- RETAINING ANGLES MINIMUM 1-1/2"x1-1/2"x1/2" GA. FOR DUCTS 0-48", 2"x2"x1/8" FOR DUCT 48" ALL SIDES.
- REGARDLESS OF DUCT SIZE, MIN. OVERLAP OF PREPARED OPENING FRAMEWORK BY RETAINING ANGLES SHALL BE 1 INCH.
- RETAINING ANGLES ATTACHED TO SLEEVES WITH 1/4 INCH BOLTS OR 1/2 INCH WELDS 6 INCHES O.C. BEGIN 2 INCHES FROM CORNERS.
- FIRE DAMPER BLADES.
- U.L. FUSIBLE LINK.
- BREAKAWAY CONNECTION. SLIP TYPE: ONE #10 S.M. SCREW OR DRIVE SLIPS MAY BE USED FOR SECURING SIDES.
- DUCT.
- ACCESS DOOR.

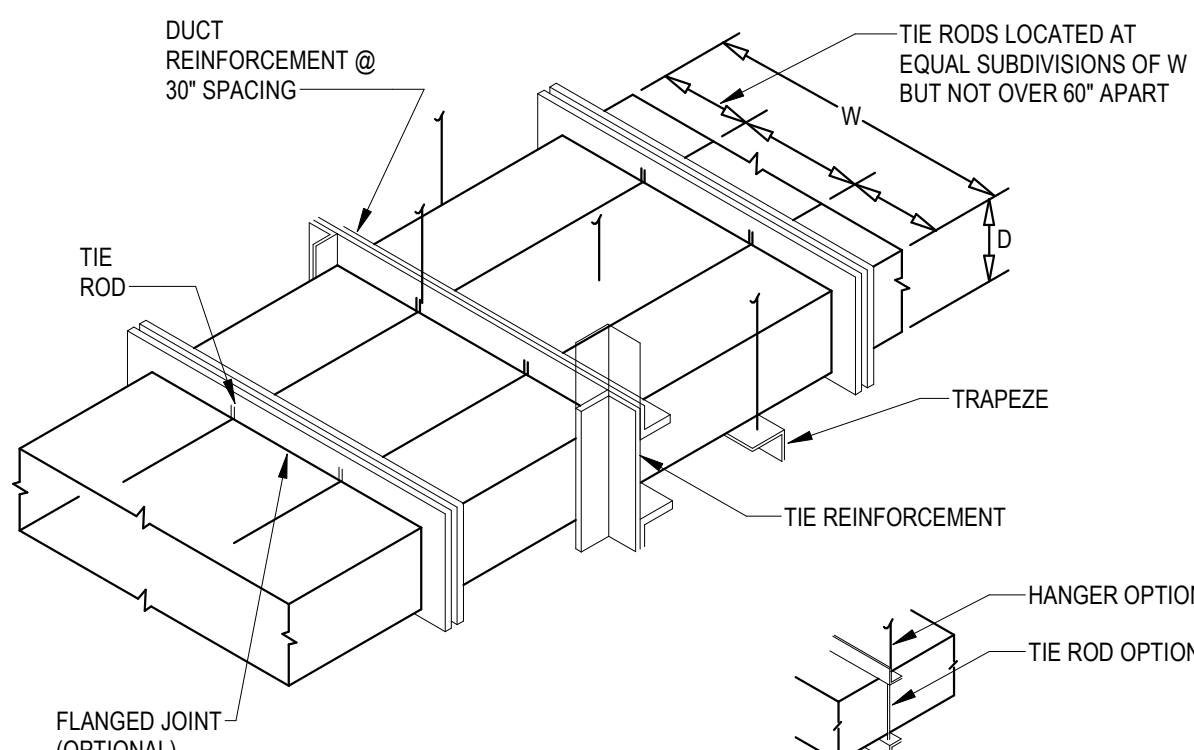
13 FIRE DAMPER THRU FLOOR DETAIL
12" = 1'-0"



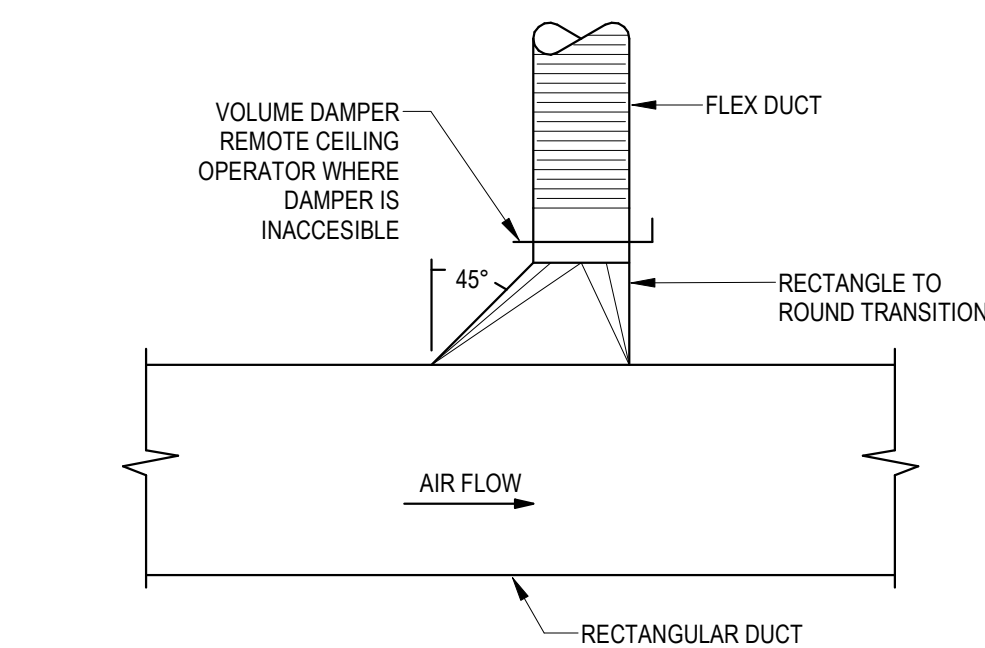
14 COMBINATION FIRE/SMOKE DAMPER DETAIL
12" = 1'-0"



15 COMBINATION FIRE/SMOKE DAMPER DETAIL
NO SCALE



10 LARGE DUCT REINFORCEMENT DETAIL
12" = 1'-0"



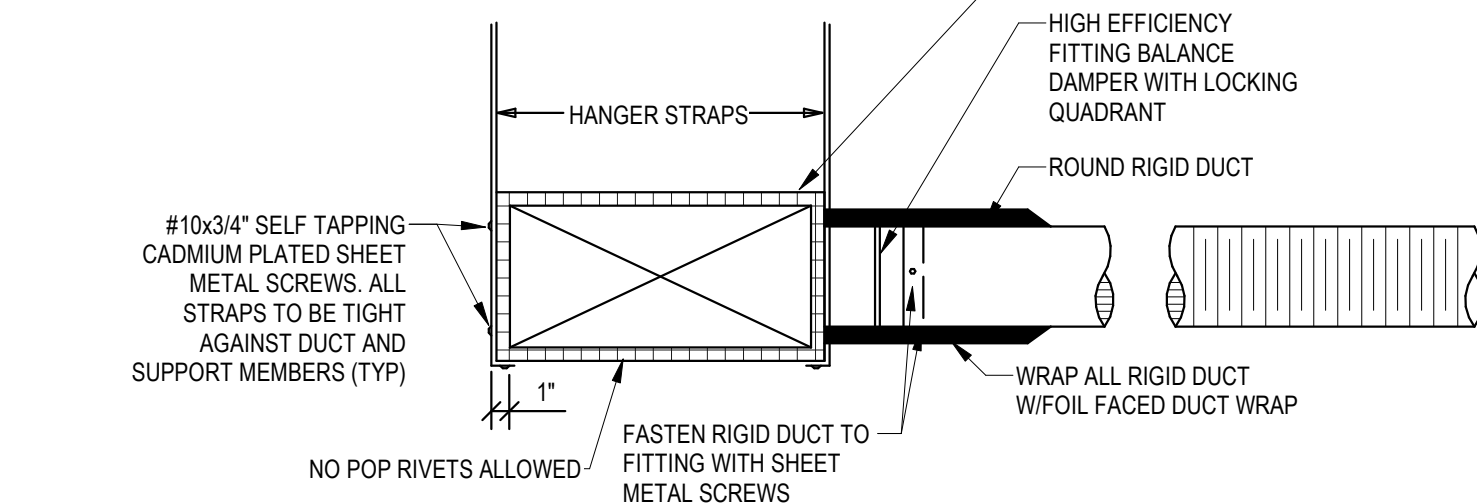
11 FLEX DUCT WITH HIGH EFFICIENCY FITTING DETAIL
12" = 1'-0"

DUCT CABLE BRACING LIST						
DUCT SIZE (MAX.)	*WT/ LIN FT (MAX.)	BOLT SIZE	HORIZONTAL ANGLE	VERTICAL ANGLE	CABLE DIA.**	CABLE DES. ANCHOR CONN. TYPE
12"	5#	3/8"	2 X 2 X 16 GA	2 X 2 X 12 GA	1/8"	7x19 GALV. I
18"	8#	3/8"	2 X 2 X 16 GA	2-1/2 X 2-1/2 X 12 GA	1/8"	7x19 GALV. I
24"	10#	3/8"	2 X 2 X 16 GA	2-1/2 X 2-1/2 X 12 GA	1/8"	7x19 GALV. I
30"	13#	3/8"	2 X 2 X 16 GA	2-1/2 X 2-1/2 X 12 GA	1/8"	7x19 GALV. I
42"	20#	3/8"	2-1/2 X 2-1/2 X 16 GA	4 X 4 X 12 GA	3/16"	7x19 GALV. II
54"	27#	3/8"	2-1/2 X 2-1/2 X 16 GA	4 X 4 X 12 GA	3/16"	7x19 GALV. II
60"	36#	3/8"	3 X 3 X 16 GA	4 X 4 X 12 GA	3/16"	7x19 GALV. III
84"	53#	3/8"	4 X 4 X 14 GA	4 X 4 X 1/4	1/4"	7x19 GALV. III
96"	80#	1/2"	4 X 4 X 12 GA	5 X 3 X 1/4	5/16"	7x19 GALV. IV

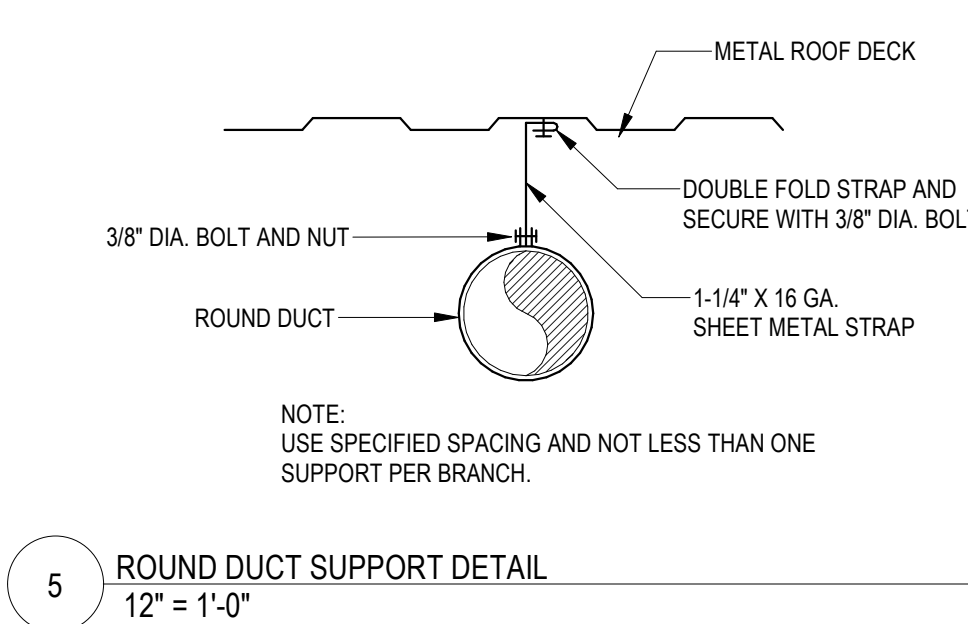
* MAXIMUM WEIGHT OF DUCTS OR COMBINATIONS OF DUCTS PER LINEAR FOOT. THE DUCTS MAXIMUM DIMENSION SHALL GOVERN WHAT BRACING IS REQUIRED. FOR ANCHOR CONNECTIONS SEE LIST. SEE DUCT BRACING DETAILS.

** TWO CABLES REQUIRED AT EACH RESTRAINT POINT. EACH CABLE TO BE INSTALLED 45° TO HORIZONTAL AND 45° TO LONGITUDINAL DIRECTION OF DUCT.

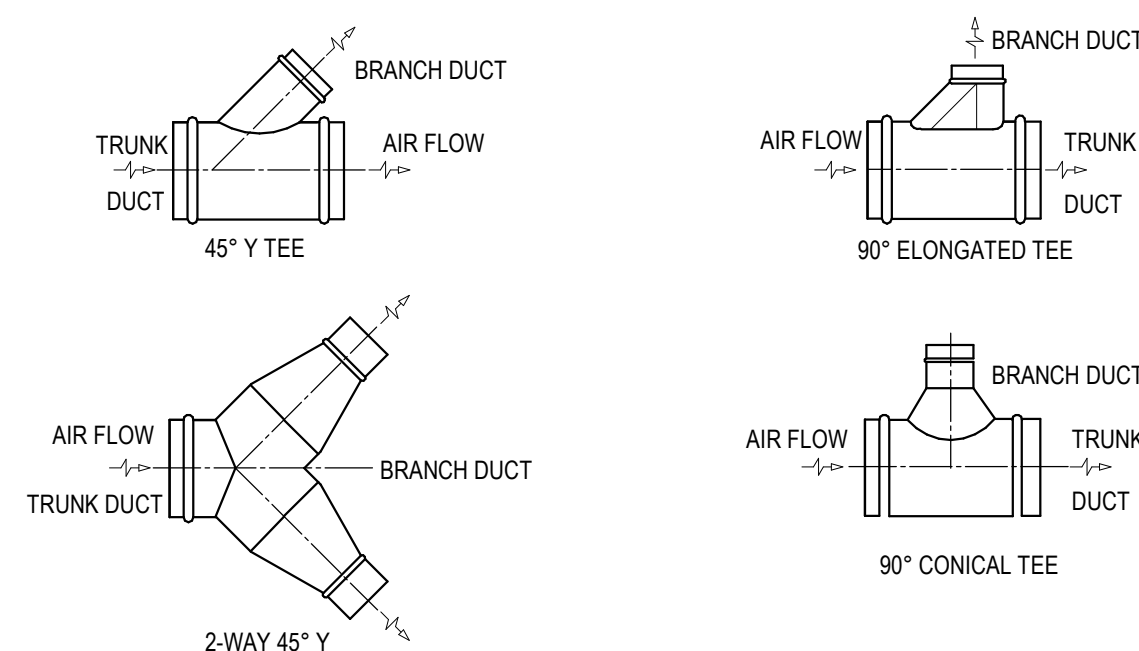
12 DUCT CABLE BRACING SCHEDULE
12" = 1'-0"



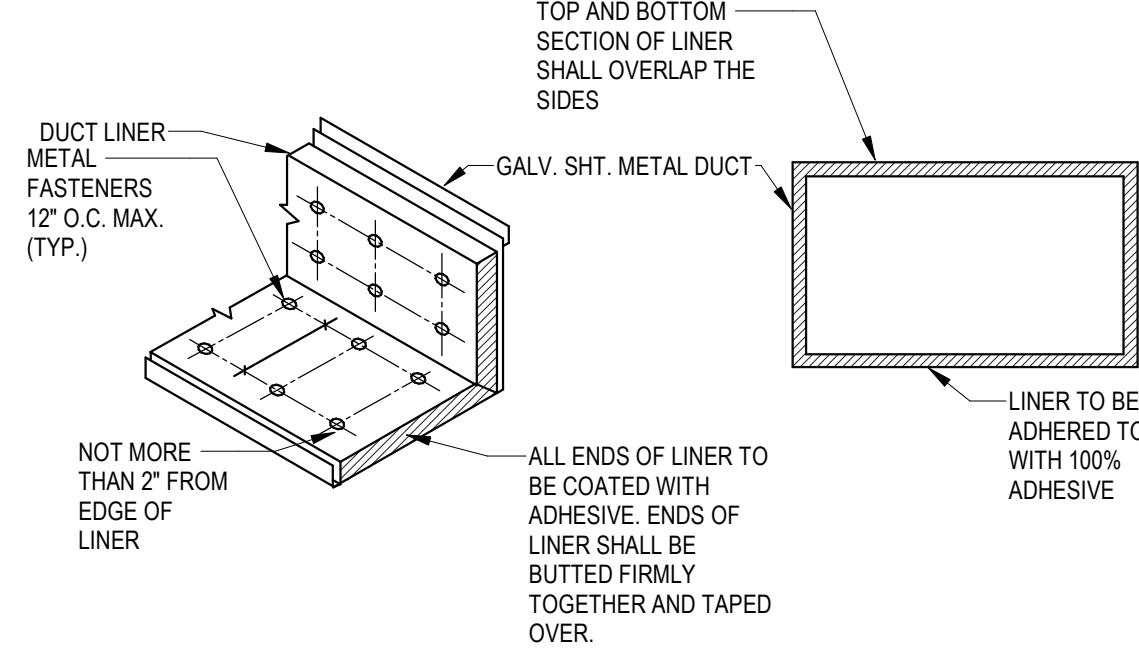
9 FLEX DUCT WITH HIGH EFFICIENCY FITTING DETAIL
12" = 1'-0"



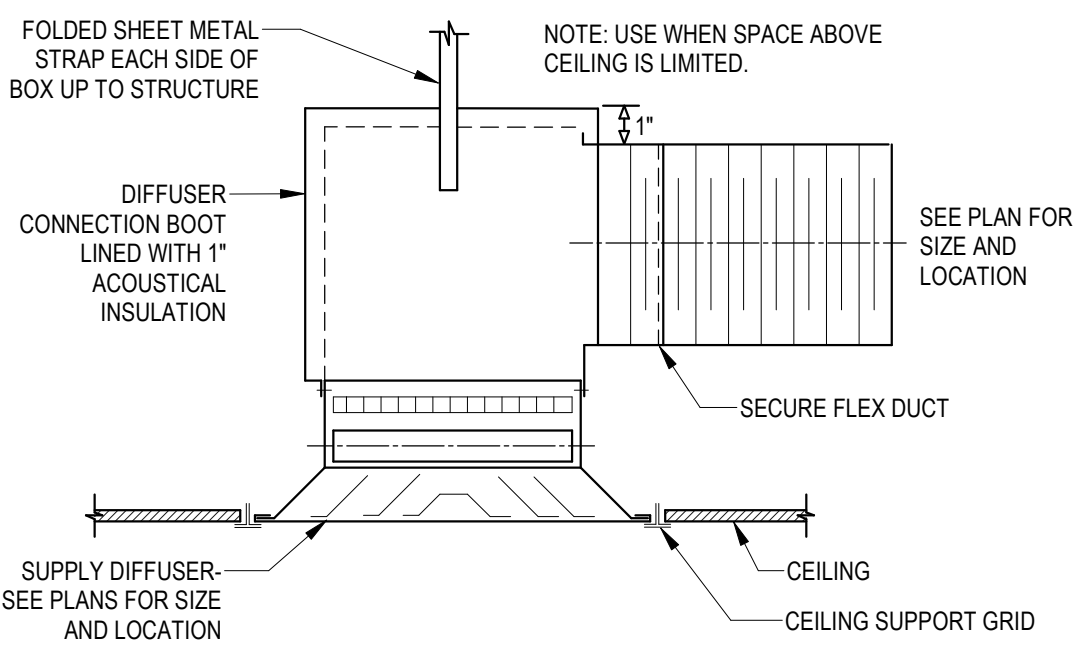
5 ROUND DUCT SUPPORT DETAIL
12" = 1'-0"



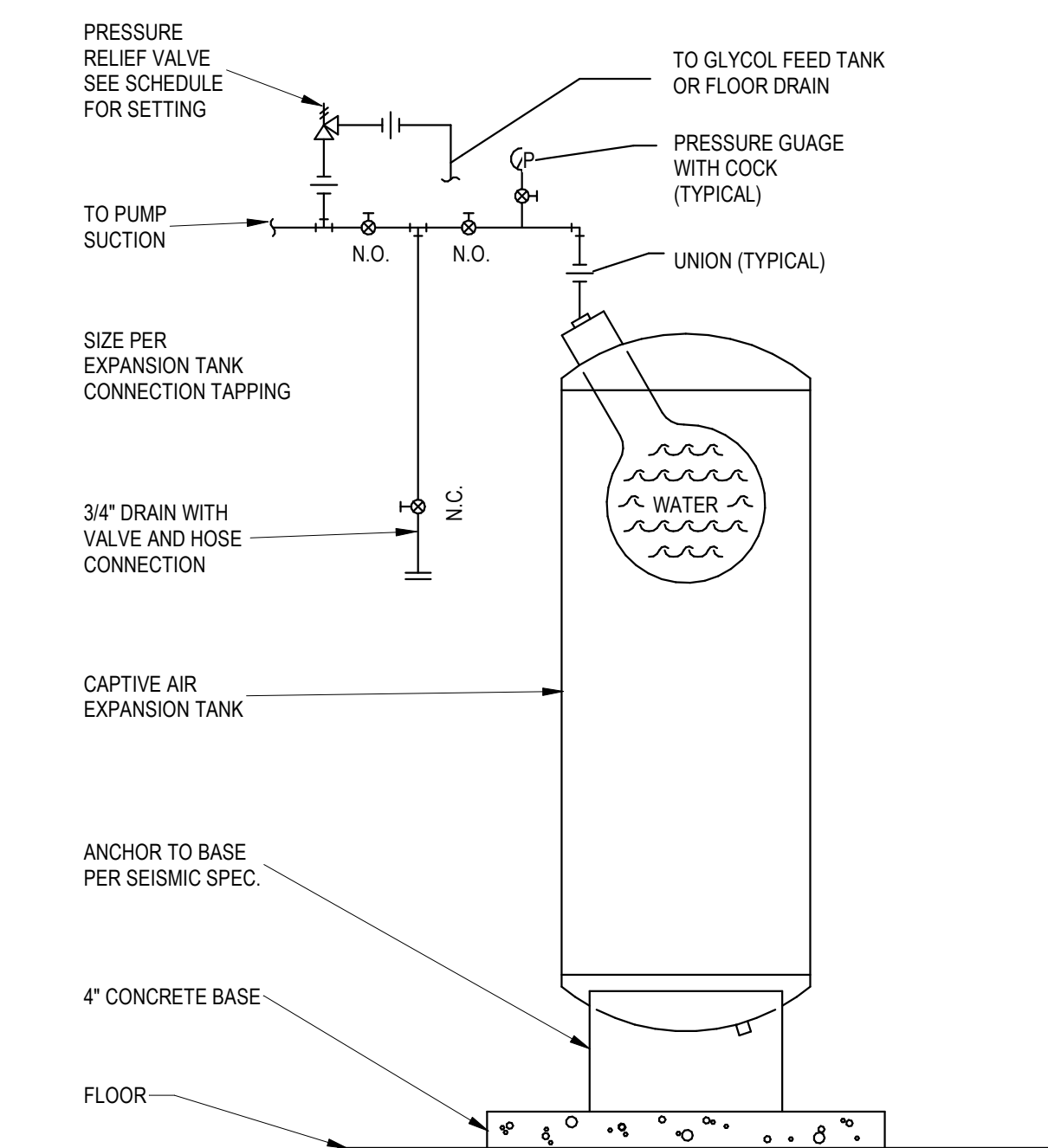
6 ROUND DUCT BRANCH TAKE-OFF DETAIL
12" = 1'-0"



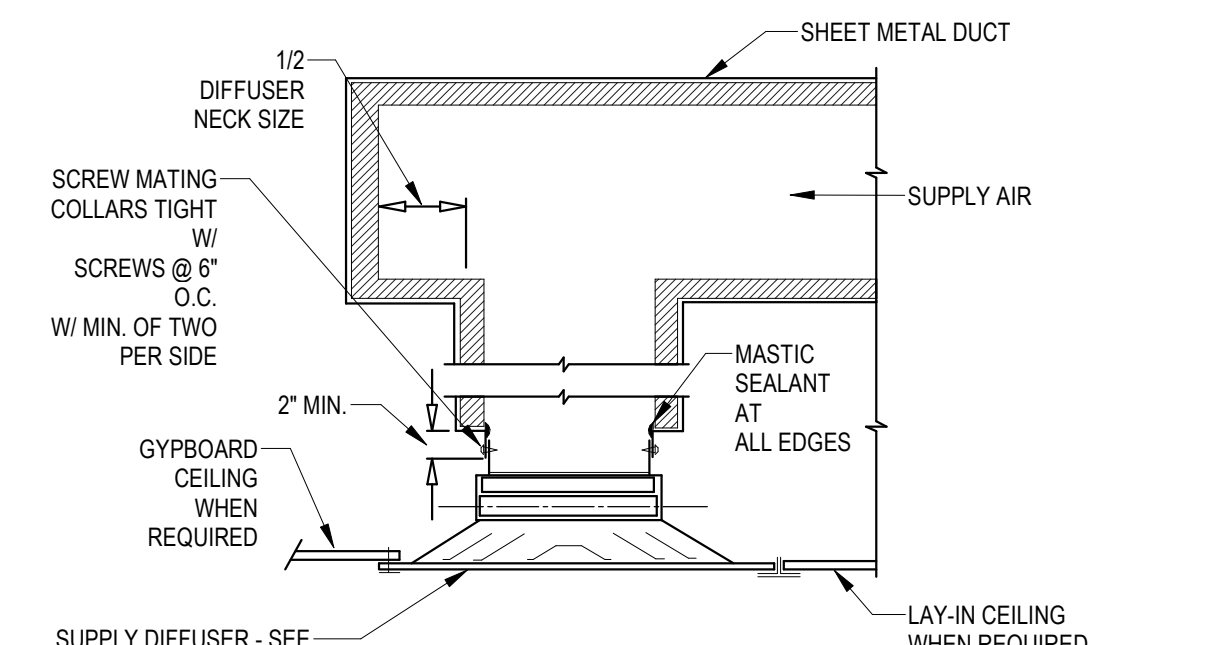
7 RECTANGULAR DUCT LINER DETAIL
12" = 1'-0"



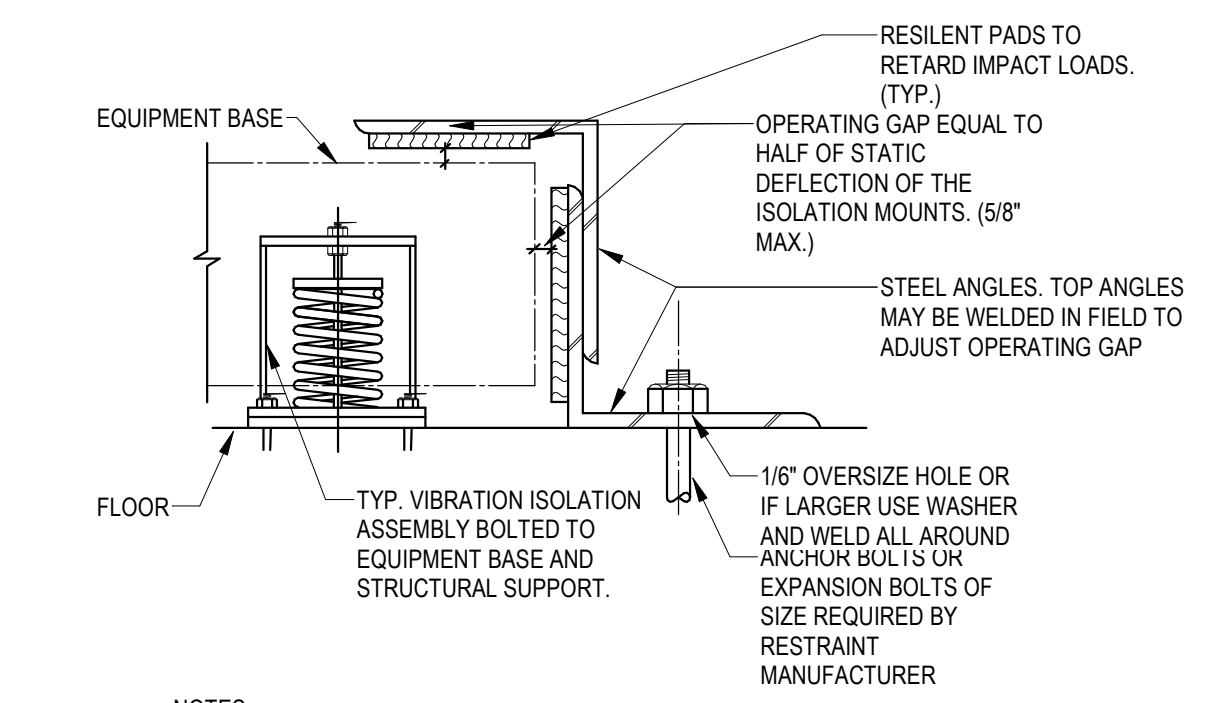
8 LIMITED SPACE DIFFUSER CONNECTION DETAIL
12" = 1'-0"



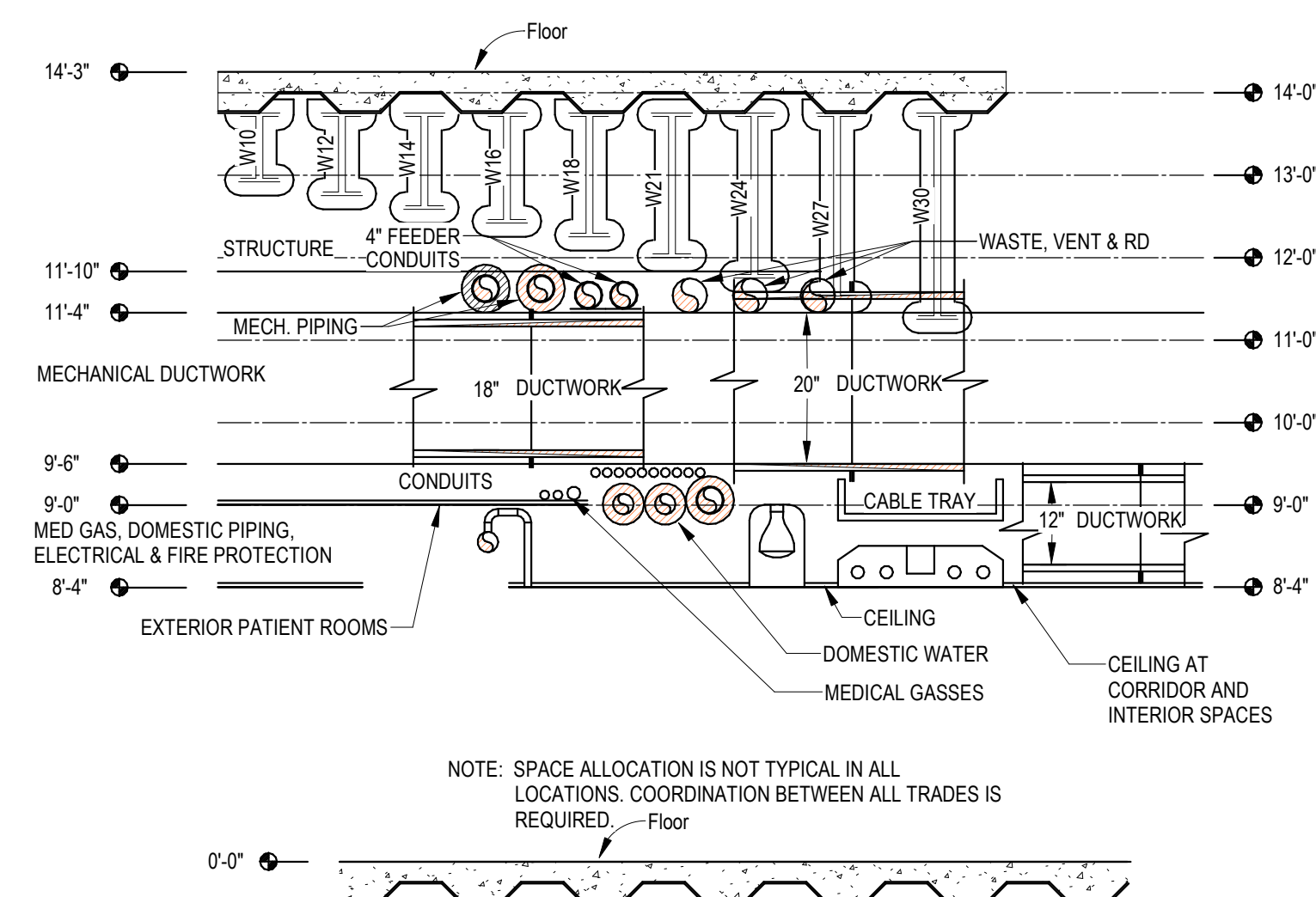
1 EXPANSION TANK DETAIL
12" = 1'-0"



2 TYPICAL EXHAUST GRILLE DETAIL
12" = 1'-0"



3 SPRING ISOLATOR RESTRAINT DETAIL
12" = 1'-0"



4 SECTION OF CEILING SPACE DETAIL
12" = 1'-0"

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M/P/F/P ENGINEER
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MURRAY, UTAH 84107

E/T ENGINEER
LYNK ENGINEERS/ENGINEERS, INC.
324 SOUTH STATE STREET, SUITE 400
SALT LAKE CITY, UTAH 84111

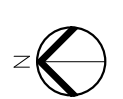
RESOLUT
181 E 5600 S, Murray, UT 84107 | (801) 530-3148
info@resolutgroup.com | resolutgroup.com

Project #: 251000

Intermountain Health
UTAH VALLEY SPORTS
PERFORMANCE CENTER
PROJECT ADDRESS: WEST 880 NORTH, 200 WEST PROVIDO, UTAH 84004

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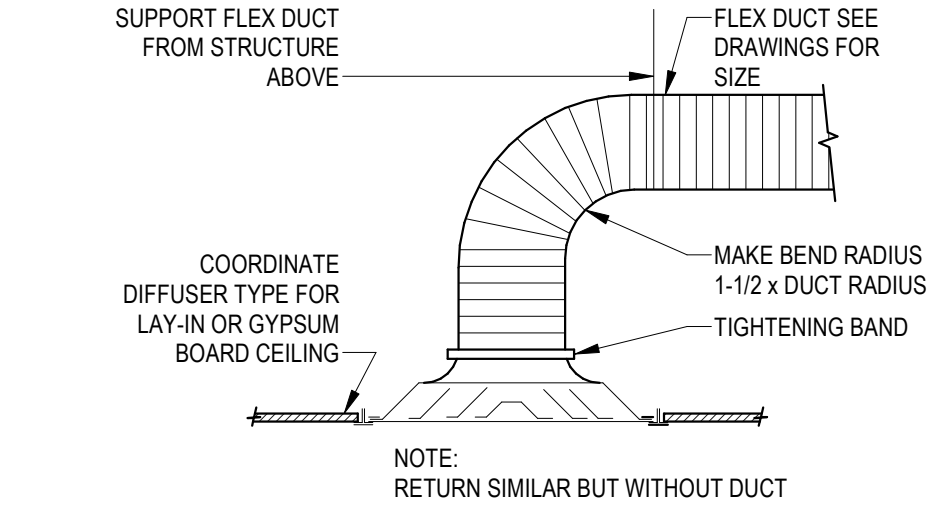
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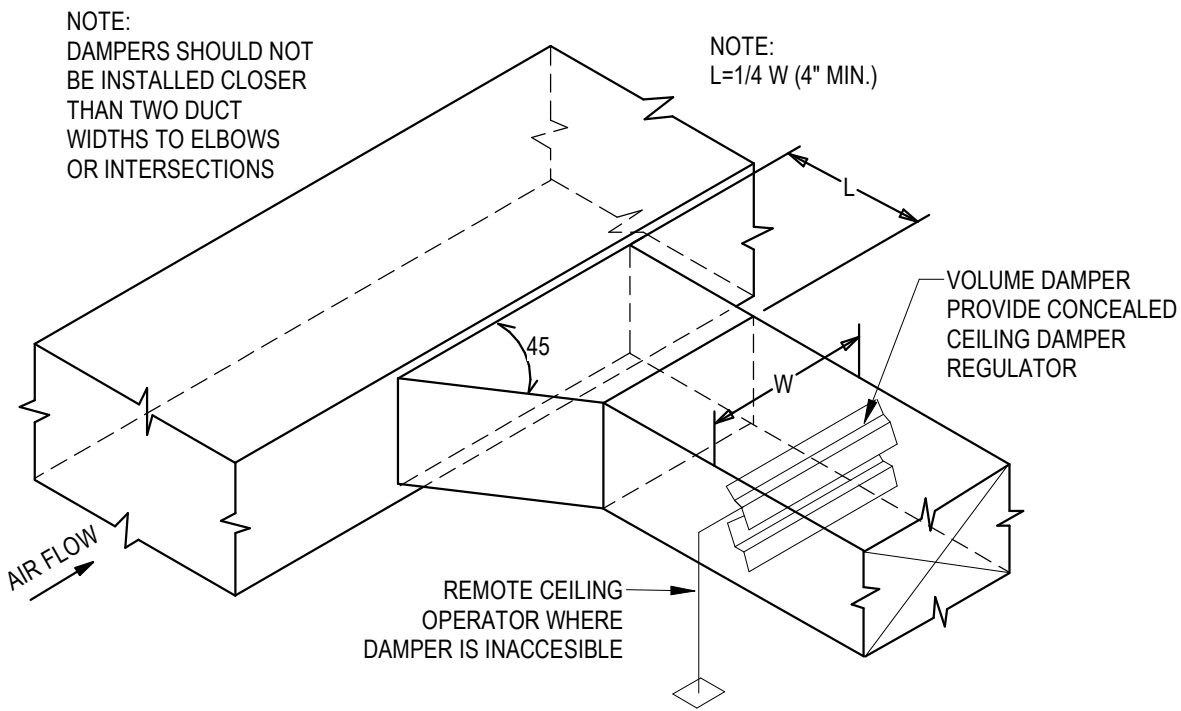
SHEET NO.

M507

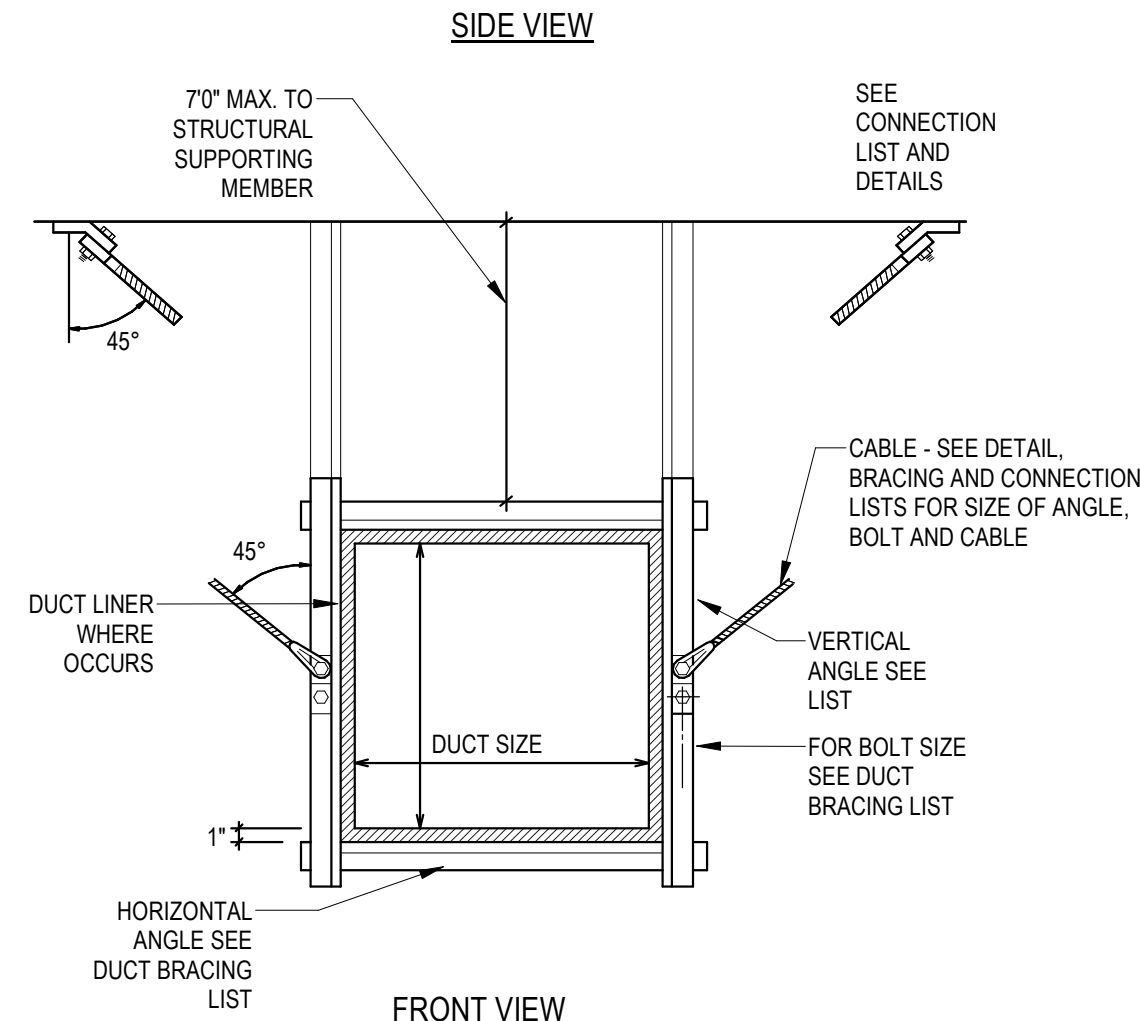
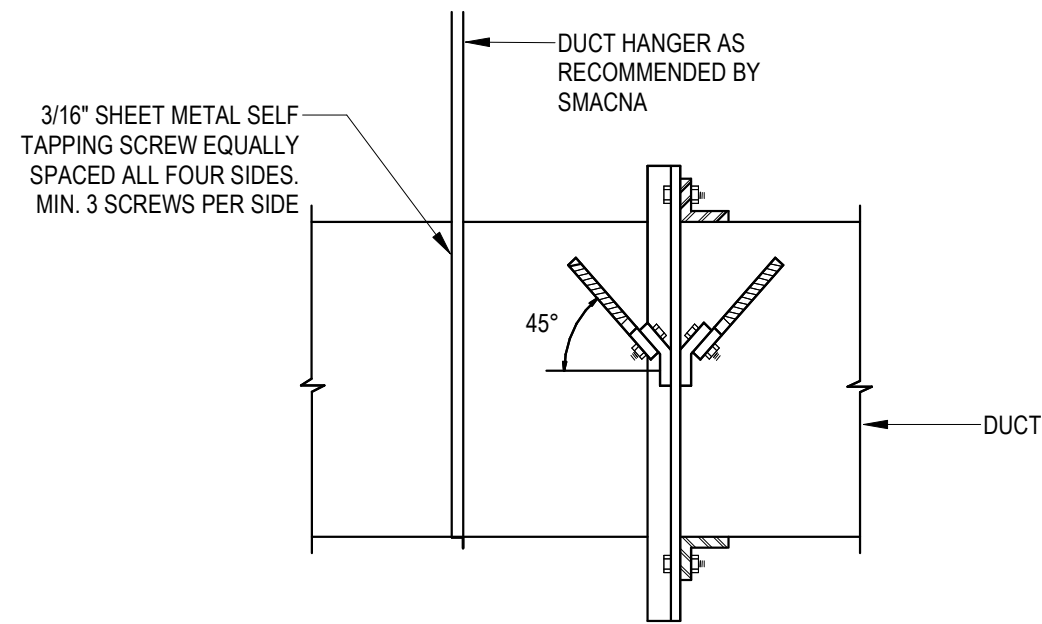
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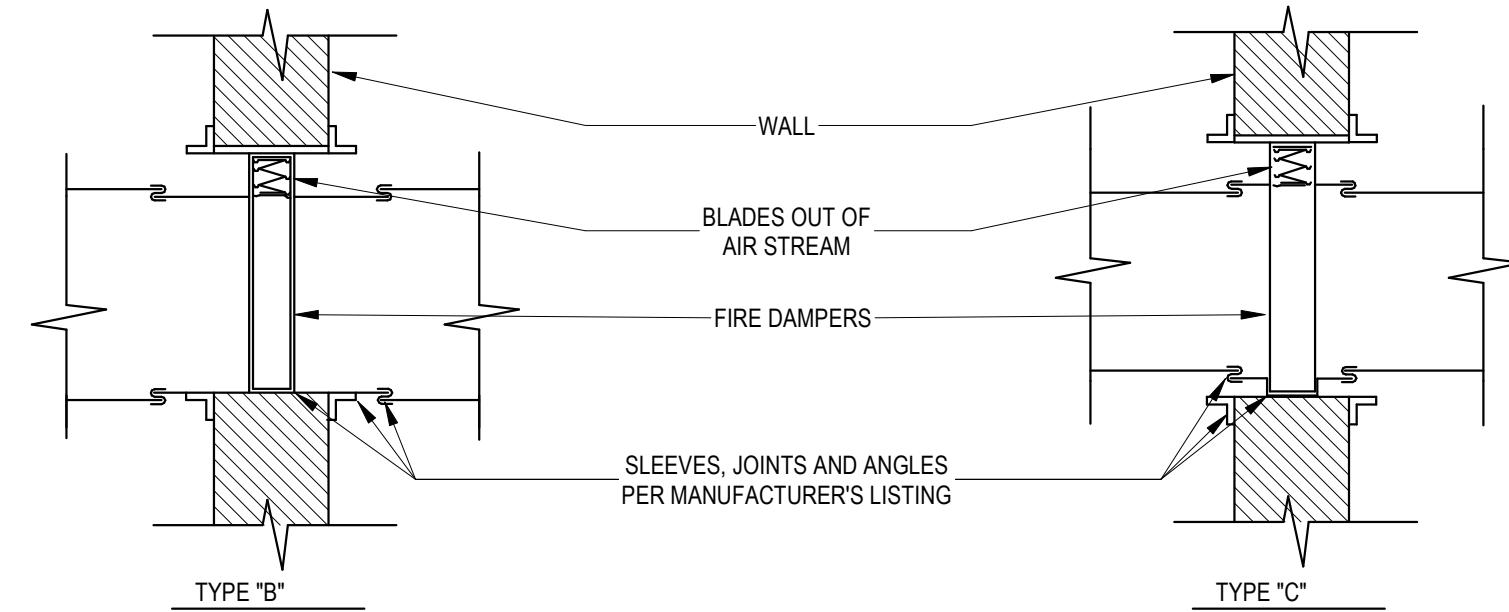
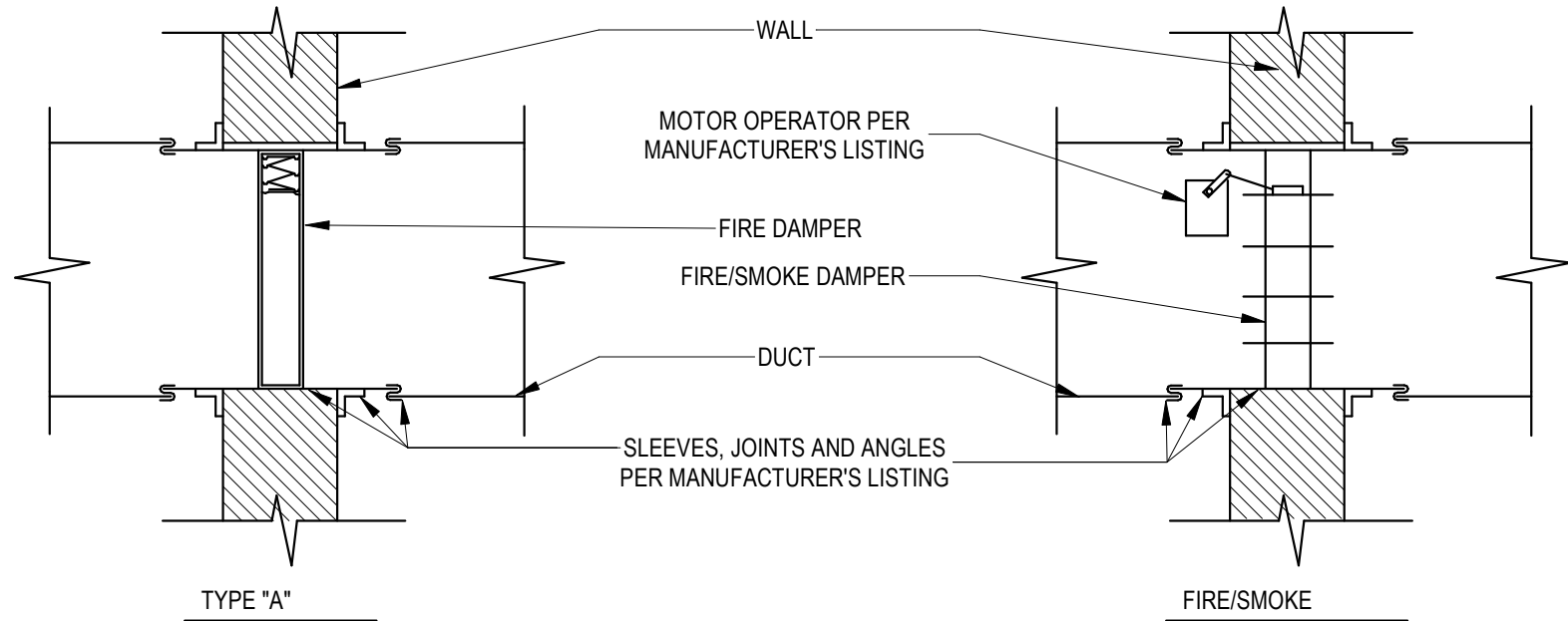
4 DIFFUSER CONNECTION DETAIL
12" = 1'-0"



1 BRANCH DUCT TAKE-OFF WITH DAMPER DETAIL
12" = 1'-0"



2 CABLE BRACING FOR RECTANGULAR DUCTS DETAIL
12" = 1'-0"



3 COMBINATION FIRE/SMOKE DAMPER DETAIL
12" = 1'-0"

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SALT LAKE CITY, UTAH 84111



Project #: 251000

Intermountain Health
UTAH VALLEY SPORTS
PERFORMANCE CENTER

PROJECT ADDRESS: WEST 880 NORTH 200 WEST PROVO, UTAH 84604

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SHEET TITLE
MECHANICAL DETAILS

SHEET NO.

M508

XX CODE FIXTURE UNIT TABLE XX					DESIGN TOTAL	
QTY	UPC	IPC	NPC	CODE FIXTURE UNIT TABLE	WSFU	DFU
244	Yes	No	No	UPC Fixture Unit Summary	244	363

DRAINAGE FIXTURE UNITS					
QTY	DESCRIPTION	PRODUCT TYPE	EMERGENCY DRAIN	EACH	TOTAL
8	Eyewash	Podestal	No	2	16
5	FLOOR DRAIN	ROUND STRAINER	No	2	10
1	FLOOR DRAIN	ROUND STRAINER	No	2	4
13	Lavatory	Counter Mount ADA	No	4	48
46	Lavatory	Counter Mount ADA	No	1	46
82	Lavatory	Counter Mount ADA	No	1	82
10	Lavatory	Counter Mount ADA	No	1	10
4	Shower Stall	Edt	No	2	8
6	Sink	Single Bowl	No	2	12
6	Sink	Single Bowl	No	2	12
7	Sink	Single Bowl	No	2	14
4	Sink	Junior	No	3	12
4	Urinal	Wall Hung	No	2	8
4	Water Cooler	Bottle Filling Station - Dual Height	No	0.5	2
Grand total: 244					363

XX WATER SUPPLY PROPERTIES XX				
STANDARD WATER DENSITY = 62.4 LB/FT ³ OR 1000 KG/M ³ STANDARD WATER SPECIFIC HEAT = 1.00 BTU/LB-°F (OR 4.187 J/G-°C) WATER SUPPLY TEMP = ESTIMATED GROUND WATER TEMP				
QTY	DENSITY	SPECIFIC HEAT	WATER TEMPERATURE	WATER SUPPLY TEMP
41	62.4 LB/FT ³	1.000 BTU/LB-°F	0 psi	40 °F

XX STORM DRAINAGE RAINFALL DESIGN XX				
QTY	DEPTH	RAINFALL DESIGN	DURATION	SURFACE AREA
PIPING FLOW PROPAGATION				
RAINFALL RATE				
SURFACE AREA				

GENERAL PLAN SYMBOLS	
	PLAN REVISION NUMBER
	DETAIL NUMBER ON SHEET
	SHEET NUMBER WHERE DETAIL IS PLACED
	KEYNOTE SYMBOL
	CONTINUATION SYMBOL
	POINT WHERE NEW CONNECTS TO EXISTING
	POINT WHERE EXISTING IS TO BE DEMOLISHED
	ROOM NAME / NUMBER
	AREA BEING DEMOLISHED
	AREA NOT IN CONTRACT

ABBREVIATIONS	
Ø	ROUND
ABV	ABOVE
AC	AIR CONDITIONING
AD	AREA DRAIN
ADD	ADDENDUM
AF	ABOVE FINISHED FLOOR
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY
ALT	ALTERNATE
AP	ACCESS PANEL
ARCH	ARCHITECT/ARCHITECTURAL
BFF	BELOW FINISHED FLOOR
BLV	BELOW
BTU	BRITISH THERMAL UNITS
BTUH	BRITISH THERMAL UNITS PER HOUR
CAP	CAPACITY
CB	CATCH BASIN
CFM	CUBIC FEET PER MINUTE
C.G.	CEILING
CO	CLEAN OUT
D	DEGREE
DB	DRY BULB
DA	DIAMETER
DN	DOWN
DW	DISTILLED WATER
EA	EACH
EAT	ENTERING AIR TEMPERATURE
ELEC	ELECTRICAL
EQUIP	EQUIPMENT
EW	ELECTRIC WATER COOLER
EW	ENTERING WATER TEMPERATURE
EIA	EXHAUST AIR
EXIST	EXISTING
F	DEGREES FAHRENHEIT
FO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FL	FLOOR
FO	FUEL OIL
FOV	FUEL OIL VENT
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FM	FEET PER MINUTE
FS	FLOOR SINK
FT	FOOT/FEET
FTR	FIN TUBE RADIATION
GAL	GALLON
GF	GAS FIRED
GM	GENERAL CONTRACTOR
GW	GREASE WASTE
HB	HOSE BIB
HP	HORSE POWER
HTG	HEATING
HTR	HEATER
HW	HOT WATER
HYD	HYDRANT
ID	INDIRECT
IN	INCH
INV	INVERT
LB	POUND
LBHR	POUNDS PER HOUR
LAT	LEAVING AIR TEMPERATURE
LP	LOW PRESSURE
LPG	LIQUEFIED PETROLEUM GAS
LVR	LOUVER
LWT	LEAVING WATER TEMPERATURE
M/A	MIXED AIR
MAX	MAXIMUM
MEH	ONE THOUSAND BTU PER HOUR
MCF	ONE THOUSAND CUBIC FEET
ME	MOTORIZED DAMPER
MECH	MECHANICAL
MFR	MANUFACTURER
MN	MINIMUM
MISC	MISCELLANEOUS
MTR	MOTOR
MUA	MAKE-UP AIR
NC	NOISE CRITERIA
NC	NORMALLY CLOSED
NC	NOT IN CONTRACT
NO	NUMBER
NO	NORMALLY OPEN
NTS	NOT TO SCALE
NTS	OUTSIDE AIR
ORD	OVERFLOW ROOF DRAIN
PD	PUMP DISCHARGE
PV	POST INDICATOR VALVE
PR	PRESSURE
PRV	PRESSURE REDUCING VALVE
PSIG	POUNDS PER SQUARE INCH GAUGE
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PSI	PRESSURE
RA	RETURN AIR
RA	RETURN AIR
RA	RELATIVE HUMIDITY
RA	RELIEF AIR
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
RV	RAIN WATER
SA	SQUARE FOOT
SA	SUPPLY AIR
SD	SQUARE FOOT
SM	SURFACE MOUNT
SP	STANDARD
SP	STATIC PRESSURE
STM	STEAM
T	THERMOSTAT
TD	TEMPERATURE DROP
TOR	THERMIST
TEMP	TEMPERATURE
TYP	TYPICAL
UG	UNDERGROUND
VAC	VACUUM
V	VENT
VAV	VARIABLE AIR VOLUME
VENT	VENTILATION
VTR	VENT THROUGH ROOF
W	WASTE
WB	WET BULB
WCO	WALL CLEAN OUT
WH	WALL HYDRANT

EQUIPMENT ABBREVIATIONS	
AC	AIR CONDITIONING UNIT
ACCU	AIR COOLING CONDENSING UNIT
AHU	AIR HANDLING UNIT
AS	AIR SEPARATOR
B	BOLLER
CH	CHILLER
CT	COOLING TOWER
CUM	CABINET UNIT HEATER
CHWP	CHILLED WATER PUMP
CHWP	DOMESTIC WATER BOOSTER PUMP
DC	DUCT MOUNTED COIL
DOP	DOMESTIC WATER CIRCULATING PUMP
EF	EXHAUST FAN
EDC	ELECTRIC DUCT COIL
ET	EXPANSION TANK
EW	ELECTRIC WATER HEATER
FCU	FAN COIL UNIT
FP	FIRE PUMP
G	GREASE INTERCEPTOR
GRV	GRAVITY ROOF VENTILATOR
HWP	HEATING WATER PUMP
HRTU	HEAT RECOVERY UNIT
HRV	POWER ROOF VENTILATOR
RE	RETURN/EXHAUST FAN
RTU	ROOF TOP UNIT
SP	SUMP PUMP
UH	UNIT HEATER
WH	WATER HEATER

EQUIPMENT ABBREVIATIONS	
AC	AIR CONDITIONING UNIT
ACCU	AIR COOLING CONDENSING UNIT
AHU	AIR HANDLING UNIT
AS	AIR SEPARATOR
B	BOLLER
CH	CHILLER
CT	COOLING TOWER
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HRTU	HEAT RECOVERY UNIT
HRV	POWER ROOF VENTILATOR
RE	RETURN/EXHAUST FAN
RTU	ROOF TOP UNIT
SP	SUMP PUMP
UH	UNIT HEATER
WH	WATER HEATER

* NOTE *

ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET. THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

PLUMBING SYMBOLS	
	NOMINAL PIPE SIZE
	ABOVE GROUND PIPING
	BELOW GROUND PIPING
	PIPE SLOPE (WHEN APPLICABLE)
	EXISTING PIPE TO REMAIN
	PIPE TO BE DEMOLISHED
	DOMESTIC COLD WATER
	NON-POTABLE WATER
	SOFT COLD WATER
	FILTERED COLD WATER
	REVERSE OSMOSIS WATER
	REVERSE OSMOSIS WATER
	DEIONIZED WATER
	DEIONIZED WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RECIRCULATION
	DOMESTIC HOT WATER RECIRCULATION 140
	NON-POTABLE HOT WATER
	SANITARY DRAIN
	SANITARY VENT
	SANITARY WET VENT
	COMBINATION W/ VENT
	CONDENSATE DRAIN
	INDIRECT DRAIN
	GREASE WASTE
	GREASE VENT
	OIL WASTE
	OIL VENT
	ACID WASTE
	ACID VENT
	FUEL OIL RETURN
	FUEL OIL SUPPLY
	PUMP DISCHARGE
	SOLAR WATER RETURN
	SOLAR WATER SUPPLY
	ROOF DRAIN
	ROOF DRAIN OVERFLOW
	CARBON DIOXIDE GAS
	HELIUM GAS
	INSTRUMENT AIR
	MEDICAL AIR
	MEDICAL VACUUM
	NITROGEN GAS
	NITROUS OXIDE GAS
	OXYGEN GAS
	WASTE ANESTHESIA GAS DISPOSAL
	COMPRESSED AIR
	NATURAL GAS
	LIQUID PROPANE
	PIPE ROSE / DROP

PLUMBING SYMBOLS	
	PIPE ACCESSORY NOTES
	CLEANOUT
	LINE CLEANOUT
	SWING CHECK
	CHECK VALVE
	ALTERNATE CHECK VALVE
	BALANCING VALVE
	CIRCUIT SETTER
	GATE VALVE
	QUICK OPENING VALVE
	BALL VALVE
	FLUID STRAINER
	EMERGENCY GAS SHUTOFF
	GAS REGULATOR
	GAS SHUT OFF COCK
	GAS REGULATOR
	THERMOSTATIC VALVE
	TRAP PRIMER
	ELEC. CONTROL VALVE
	MIXING VALVE
	EMERGENCY MIXER
	PRESSURE REDUCING VALVE
	WATER METER
	IRRIGATION METER
	DOUBLE CHECK VALVE
	REDUCED PRESSURE ZONE

PLUMBING FUTURE NOTES	
	DESIGN SIZE
	IDENTITY TYPE
	DRAINAGE FIXTURE UNITS
	FLOOR DRAIN W/ TRAP SEAL TRAP
	2" FD-3
	2" FD-3P
	2" FD-1
	3" AD-7
	6" D-1
	3" HD-1
	8" FS-4
	8" SD-12
	8" SD-1
	2000 SF
	COMBINATION DRAIN
	RAINFALL SURFACE AREA

PROJECT REQUIREMENTS	
1	REMOVE: THE PROJECT GENERAL NOTES APPLY TO ALL DISCIPLINES.
2	REMOVE: REMOVE ALL UNUSED PIPING, DUCTWORK, EQUIPMENT, AND ACCESSORIES.
3	REMOVE: THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS FOR PLUMBING AND MECHANICAL SYSTEMS WITHIN THE SCOPE OF WORK SPACE AND WITHIN CLOSE PROXIMITY TO THE SCOPE OF WORK SPACE. THE CONTRACTOR WILL FIELD VERIFY AS MUCH AS IS REASONABLY PRACTICABLE THE FINAL BUILDING AND CONTRACTOR WILL NOTIFY THE OWNER, ARCHITECT, AND MECHANICAL DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF EXISTING CONDITIONS THAT MAY AFFECT THE DESIGN.
4	REMOVE: THE MECHANICAL CONTRACTOR SHALL PERFORM SERVICE AND REPAIR ON THE EXISTING EQUIPMENT AND ITS ACCESSORIES AS FOLLOWS: CLEAN ALL COILS, REPLACE THE FILTERS AND BELTS, INSPECT, REPAIR, OR REPLACE THE ECONOMIZERS AND FAN BEARINGS, MOTORS, CONTROL COMPONENTS, VALVES, AND ANY OTHER ITEM NECESSARY FOR A COMPLETE AND PROPER OPERATING SYSTEM. THE CONTRACTOR SHALL ALSO VISIT THE SITE, PRIOR TO FINAL BIDDING, AND VERIFY ALL EXISTING SITE CONDITIONS, PROVIDE ALL MATERIAL AND COMPONENTS AS NEEDED TO BRING THE SYSTEMS TO FULL COMPLIANCE OF THE OWNER'S CRITERIA AND LOCAL AUTHORITY HAVING JURISDICTION.
5	WHERE FLOOR DRAINS OCCUR WITHIN THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN DRAINAGE PRIOR TO START OF WORK. UNSEAL DRAINS AT COMPLETION OF CONSTRUCTION.
6	COORDINATE INSTALLATION OF PIPING, DUCTWORK, CONDUIT, LIGHTS, CABLE TRAY, STRUCTURE, EQUIPMENT, CEILING, ARCHITECTURAL COMPONENTS, AND ANYTHING ELSE PERTAINING TO THE PROJECT TO PREVENT CONFLICTS.
7	THE CONTRACTOR SHALL BE FAMILIAR WITH ALL THE CONDITIONS BOTH EXISTING AND THOSE ILLUSTRATED BY THESE DOCUMENTS AND THOSE OF OTHER DISCIPLINES, INCLUDING, BUT NOT LIMITED TO ARCHITECTURAL, CIVIL, ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT.
8	CODE: FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE, INTERNATIONAL MECHANICAL CODE, AND INTERNATIONAL PLUMBING CODE.
9	LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MINIMUM ABOVE CEILING.
10	ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF.
11	COORDINATE INSTALLATION OF DUCTWORK, PIPING AND MECHANICAL EQUIPMENT WITH NEC CLEARANCES INCLUDING THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT. NO PIPING OR DUCTWORK TO RUN OVER ELECTRICAL PANELS, VENTS OR MOTORS. PROTECT EQUIPMENT WITH A 4" DEEP ZONE IN FRONT OF PANELS, VENTS AND MOTORS. PROVIDE PADS IF REQUIRED UNDER PIPING.
12	PROVIDE SEAL AND DUCT TIGHTENING PROCEDURES OF FIRE RATED WALLS. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CORKING AND SEALING ALL PENETRATIONS IN FIRE AND SMOKE RATED PARTITIONS TO MAINTAIN RATINGS. REFER TO SPECIFICATION.
13	PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES AND DUCTS THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF.
14	TRANSITION PIPING AND DUCTWORK SIZES TO MATCH THE SIZE OF EQUIPMENT CONNECTION. REFER TO PLUMBING SERIES DRAWINGS FOR GAS PIPING.
15	ALL PIPING AND DUCT SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN.
16	FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE SEGMENTS, REFER TO DETAILS, SCHEDULES, AND SPECIFICATIONS.
17	INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS AT A LEVEL OF WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.
18	MECHANICAL CONTRACTOR SHALL ENSURE THAT ALL EQUIPMENT IS PROVIDED AND INSTALLED WITH CLEARANCES PER MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR SHALL MAINTAIN PROPER SERVICE SPACE FOR COIL PULLS, GAS DEVICES, MAINTENANCE ACCESS, ETC.
19	INSTALL EXPOSED PIPING AND DUCTWORK AS HIGH AS PRACTICAL IN ROOMS WITHOUT CEILINGS. COORDINATE WITH STRUCTURE, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUIT, PLUMBING, MECHANICAL, AND FIRE PROTECTION PIPING, MEDICAL GASES, ALL OTHER TRUNKS AND ALL OTHER EXISTING CONDITIONS TO AVOID INTERFERENCE IN THE FIELD.
20	THE CONTRACTOR SHALL INFORM THE DESIGNER OF ANY PROPOSED DEVIATIONS FROM THE CONTRACT DOCUMENTS.
21	IF CONTRACTOR ENCOUNTERS MATERIAL WHICH MAY CONTAIN ASBESTOS, IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE OWNER.
22	DETAILS REFERENCE ALL SHEETS.
23	INSTALL ALL PIPING AND DUCTWORK WITHOUT FORCING OR SPRINKLING.
24	ROUTE DOMESTIC WATER, FIRE PROTECTION, SANITARY WASTE, ROOF DRAIN, CAMPUS CHILLED OR HOT WATER, AND ANY OTHER UTILITY SERVICES TO SITE UTILITIES 5'-0" FROM BUILDING. UNLESS NOTED OTHERWISE, REFER TO CIVIL PLANS.
25	LOCATE VALVING, ACCESSORIES AND EQUIPMENT AT ACCESSIBLE LOCATIONS, WHERE LOCATED ABOVE HARD CEILING PROVIDE AN ACCESS DOOR IN CEILING. MINIMUM ACCESS DOOR SIZE OF 24" X 24". COORDINATE EXACT LOCATION AND STYLE WITH ARCHITECT. EQUIPMENT SHALL BE LOCATED IN THE CEILING CAVITY (S) IT CAN BE SAFELY SERVICED FROM SOMEONE STANDING ON A LADDER PLACED BELOW THE CEILING ACCESS.
26	WHERE VALVING, ACCESSORIES, OR EQUIPMENT IS LOCATED IN A WALL, PROVIDE AN APPROPRIATELY SIZED ACCESS DOOR. COORDINATE ACCESS DOOR SIZE, LOCATION, AND STYLE WITH ARCHITECT.
27	CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.
28	CONTRACTOR TO PROVIDE DELEGATED DESIGN OF SEISMIC BRACING AS A DEFERRED SUBMITTAL. SEE SPECIFICATION 23.0548 - VIBRATION AND SEISMIC CONTROLS FOR HVAC.
29	CONTRACTOR TO PROVIDE BIM COORDINATION AND VIRTUAL DESIGN AND CONSTRUCTION SERVICES TO A 300 LEVEL OF DETAIL. SEE SPECIFICATION 23.0569 BIM COORDINATION.

PLUMBING GENERAL NOTES	
1	UNLESS OTHERWISE NOTED, PIPE AS FOLLOWS: WASTE BRANCHES: 1/4" PER FOOT; WASTE MAINS: 1/4" PER FOOT; ROOF DRAIN/ROOF DRAIN OVERFLOW: 1/8" PER FOOT. VERIFY ALL SLOPING WITH LOCAL CODES.
2	ALL WORK DONE SHALL BE PERFORMED WITH WATER CONTROL IN MIND. CONTAINMENT OF WATER IS NECESSARY TO PREVENT WATER FROM DAMAGING AREAS ON FLOORS BELOW.
3	PLUMBING DRAWINGS ARE SCHEMATIC IN NATURE. FIELD VERIFY EXACT PIPE ROUTING AND COORDINATE WITH ALL OTHER TRADES.
4	ALL PIPING IN PLUMBING SHALL BE ARRANGED TO ALLOW MAINTENANCE ACCESS.
5	NO PIPING TO RUN OVER ELECTRICAL PANELS, VENTS OR MOTORS. PROTECT EQUIPMENT WITH A DEEP ZONE IN FRONT OF PANELS, VENTS, AND MOTORS.
6	COORDINATE FAN FLOOR DRAIN AND FLOOR SINK LOCATIONS WITH COOLING COIL, EVAPORATIVE SECTION, AND HEATING COIL LOCATIONS.
7	CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.
8	PIPING AND ROUTING SHOWN, INCLUDING ALL BELOW FLOOR DECK PIPING IS APPROXIMATE. IT IS UP TO THE CONTRACTOR TO FIELD VERIFY THE EXACT LOCATION AND SIZE OF ALL PIPING. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHTS, DIMENSIONS, AND OTHER REQUIREMENTS.
9	CONTRACTOR TO VERIFY CONNECTION SIDE OF ADA FIXTURES AND ADJUST ACCORDINGLY. INSTALL FLUSH VALVES HANDLES ON WIDE SIDE OF ALL FIXTURES.
10	LOCATE ALL VENTS MINIMUM 20" AWAY FROM AIR INTAKES.
11	INSTALL ALL DOMESTIC WATER LINES BELOW DUCTWORK.
12	INSTALL A 24" X 24" ACCESS DOOR BELOW ALL ISOLATION VALVES, BALANCING VALVES AND WATER HAMMER ARRESTORS WHERE MOUNTED ABOVE HARD CEILINGS.
13	MOUNT ALL ISOLATION VALVES, CONTROL VALVES, BALANCING VALVES, ETC. NEAR CEILING HEIGHT FOR ACCESSIBILITY.
14	INSTALL ALL EQUIPMENT WITH SUFFICIENT CLEARANCE FOR MAINTENANCE PER MANUFACTURERS RECOMMENDATION.
15	COORDINATE ALL FLOOR PENETRATIONS WITH STRUCTURAL AND PROVIDE SLEEVES AS NECESSARY.
16	COORDINATE THE LOCATION OF THE FLOOR DRAIN, SHOWER DRAIN, OR FLOOR SINK WITH ARCHITECTURAL AND STRUCTURAL TYPICAL.
17	SEE PLUMBING FIXTURE SCHEDULE FOR PIPE SIZES OF WASTE, VENT AND DOMESTIC WATER TO ROOM SINGLE FIXTURE.
18	HOSE BIBS SHOWN AT LAVATORIES ARE TO BE MOUNTED AT AN ACCESSIBLE LOCATION UNDER THE LAVATORY.
19	LOCATE CIRCUIT SETTERS, VALVES, WATER HAMMER ARRESTORS, ETC. IN ACCESSIBLE LOCATIONS. PROVIDE 24" X 24" ACCESS PANEL WHERE ITEM IS LOCATED ABOVE A HARD CEILING. PROVIDE APPROPRIATELY SIZED ACCESS DOORS TO ANY OF THESE ITEMS INSTALLED IN A WALL. COORDINATE ACCESS DOOR SIZE, LOCATION, AND STYLE WITH ARCHITECT.
20	DRAIN PANS SHALL BE INSTALLED UNDER ANY PIPING THAT MAY CONTAIN WATER INSTALLED IN AN ELECTRICAL DATA IT, OR OTHER ROOM WITH SENSITIVE ELECTRICAL EQUIPMENT. THIS INCLUDES, BUT IS NOT LIMITED TO HYDROKIN, WASTE, DOMESTIC, ROOF DRAIN, ETC.
21	FIELD VERIFY LOCATION AND INVERTS OF SITE UTILITIES PRIOR TO INSTALLATION.
22	FIELD VERIFY ALL NEW WATER, WASTE AND VENT PIPING CONNECTIONS AND PROVIDE NEW CONNECTIONS AS REQUIRED FOR PROPERLY OPERATING SYSTEMS.
23	WASTE AND VENT PIPING BELOW FLOOR AND THROUGH FLOOR TO BE 2" MINIMUM.
24	INSTALL CLEANOUTS IN DRAIN PIPING AS INDICATED, AND WHERE NOT INDICATED, ACCORDING TO THE FOLLOWING:
25.1	• SIZE SAME AS DRAINAGE PIPING UP TO 4" MPS. USE 4" MPS FOR LARGER. DRAINAGE PIPING UNLESS LARGER CLEANOUT IS INDICATED.
25.2	• LOCATE AT MINIMUM INTERVALS OF 50 FT FOR PIPING 4" MPS AND SMALLER AND 100 FT FOR LARGER PIPING.
25.3	• LOCATE AT THE BASE OF EACH VERTICAL STACK.
26	ALL PIPING UTILIZED IN CONDITIONED AIR STREAMS, CONDITIONED SPACES, OR RETURN AIR DRAINS SHALL COMPLY WITH NFPA 98A FLAME SPREAD, SMOKE DEVELOPMENT, AND FUEL CONTRIBUTION OF 250/00, RESPECTIVELY, AS WELL AS ALL APPLICABLE BUILDING CODES AND PROJECT SPECIFICATIONS.
27	WHERE NON-PLUMBING PIPING IS PERMITTED OR REQUIRED WITHIN CONDITIONED AIR STREAMS, CONDITIONED SPACES, OR RETURN AIR DRAINS, IT SHALL BE INSULATED TO ACHIEVE NFPA 98A FLAME SPREAD, SMOKE DEVELOPMENT, AND FUEL CONTRIBUTION RATINGS OF 250/00, RESPECTIVELY, AND SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES AND PROJECT SPECIFICATIONS.

MEDICAL GAS GENERAL NOTES	
1	MEDICAL GAS PIPING IS TO BE RUN ABOVE THE CEILING, UNLESS NOTED OTHERWISE.
2	MEDICAL GAS PIPING IS SCHEMATIC IN NATURE. FIELD VERIFY EXACT PIPE AND COORDINATE WITH ALL OTHER TRADES.
3	MOUNT ALL SERVICE VALVES CEILING HEIGHT FOR ACCESSIBILITY.
4	ALL SERVICE VALVES SHALL BE LOCKABLE. PROVIDE FRANGIBLE LOCK FOR ALL SERVICE VALVES.
5	ALL ZONE VALVE BOXES REQUIRE SOURCE AIR FROM SIDE



1 LEVEL 1 PLUMBING UNDERFLOOR PLAN
1/16" = 1'-0"



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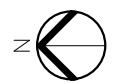


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KEY PLAN



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SHEET TITLE
**LEVEL 1 PLUMBING
UNDERFLOOR PLAN**

SHEET NO.

P100

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KEYNOTES

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DATE

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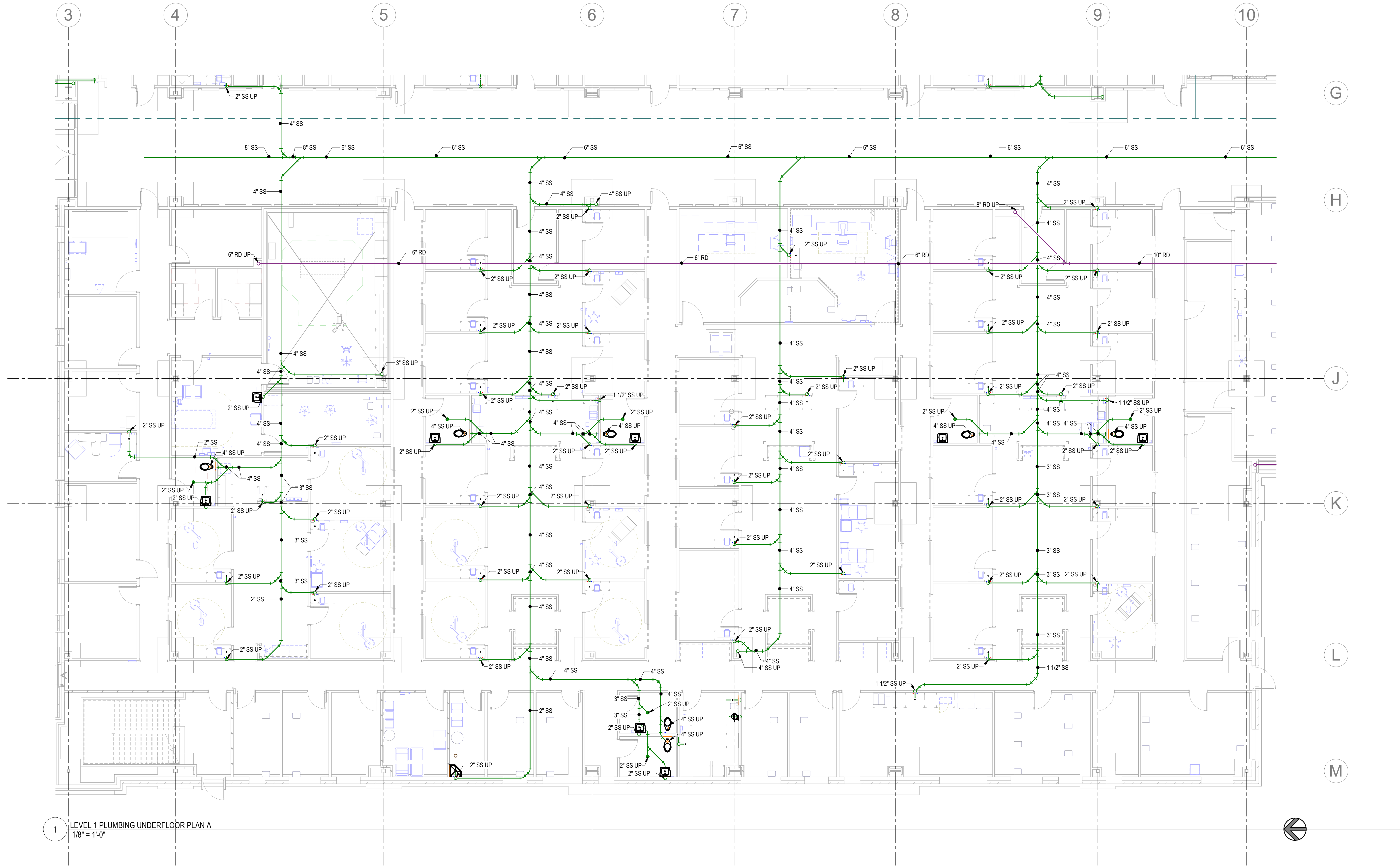
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LEVEL 1 PLUMBING
UNDERFLOOR PLAN A

SHEET NO.

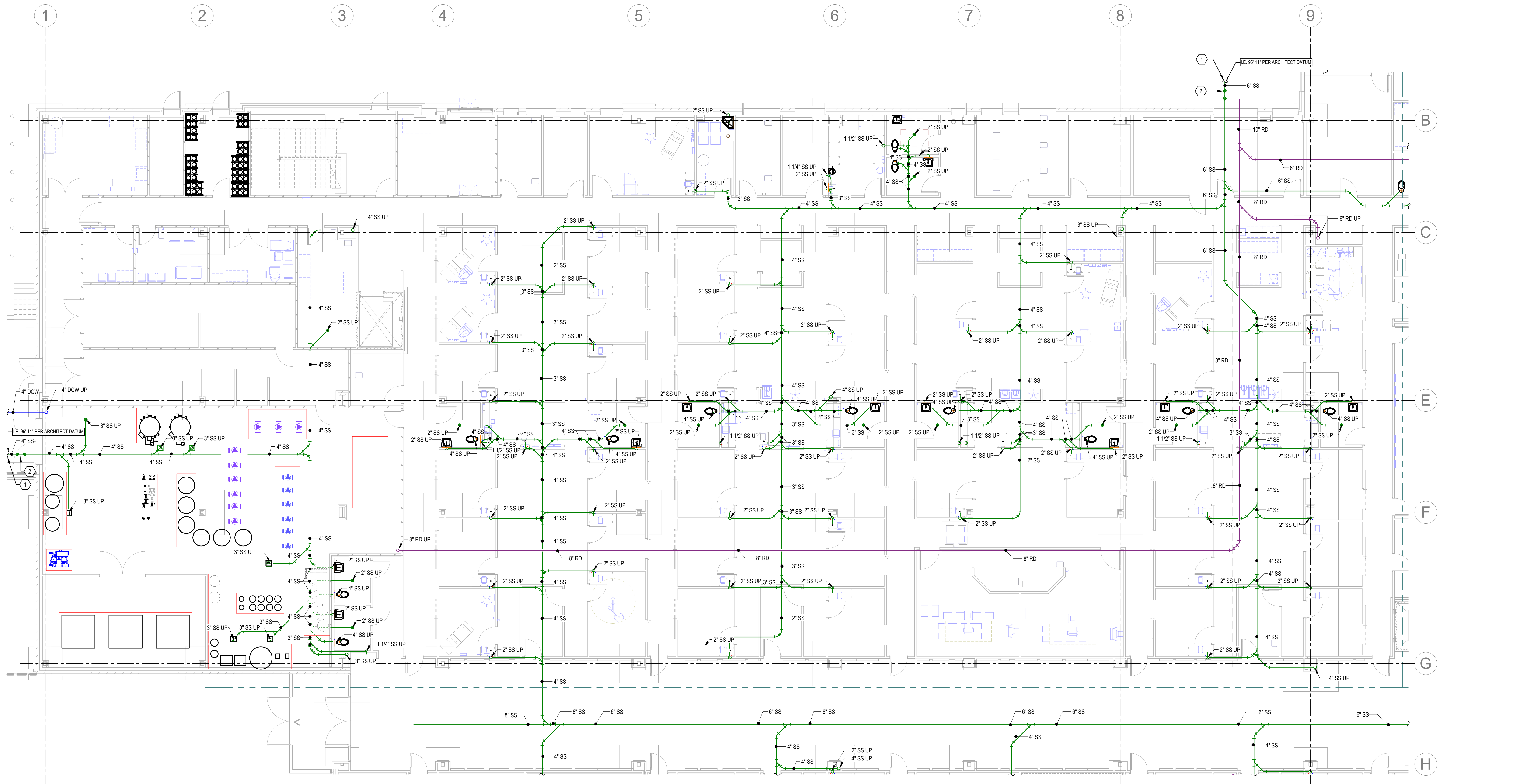
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1 LEVEL 1 PLUMBING UNDERFLOOR PLAN A
1/8" = 1'-0"

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1 LEVEL 1 PLUMBING UNDERFLOOR PLAN B
1/8" = 1'-0"

KEYNOTES

- 1 CONTINUED ON CIVIL PLANS.
- 2 RISER FOR DOUBLE CLEANOUT TO GRADE. LOCATION SHOWN HERE IS ONLY FOR COORDINATION PURPOSE. FINAL LOCATION OF DOUBLE CLEANOUT TO GRADE TO BE COORDINATED WITH CIVIL PLANS.

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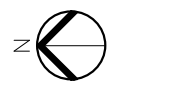
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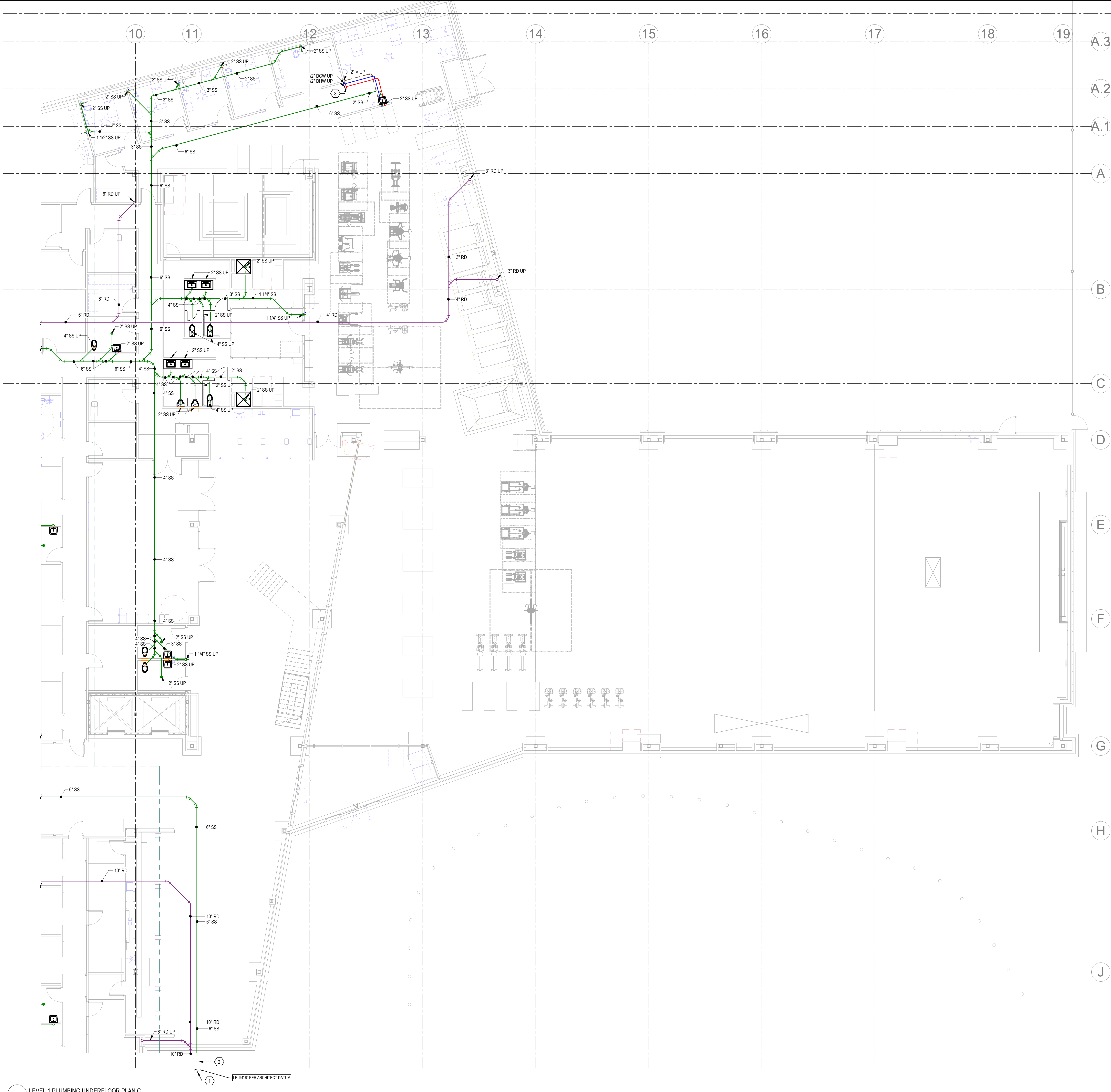
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UNDERFLOOR PLAN B**

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- KEYNOTES
1. CONTINUED ON CIVIL PLANS.
 2. RISER FOR DOUBLE CLEANOUT TO GRADE. LOCATION SHOWN HERE IS ONLY FOR COORDINATION PURPOSE. FINAL LOCATION OF DOUBLE CLEANOUT TO GRADE TO BE COORDINATED WITH CIVIL PLANS.
 3. INSTALL WATER PIPES INSIDE OF PROTECTIVE CONDUIT.

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LEVEL 1 PLUMBING
UNDERFLOOR PLAN C

SHEET NO.

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1 LEVEL 1 PLUMBING PLAN
1/16" = 1'-0"

KEYNOTES

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**LEVEL 1 PLUMBING
PLAN**

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KEYNOTES		
1	WASTE PIPES JOIN FROM OPPOSITE DIRECTIONS AND DROP NEXT TO COLUMN.	
2	COORDINATE WASTE PIPES WITH ROOF DRAIN PIPES IN THIS AREA.	

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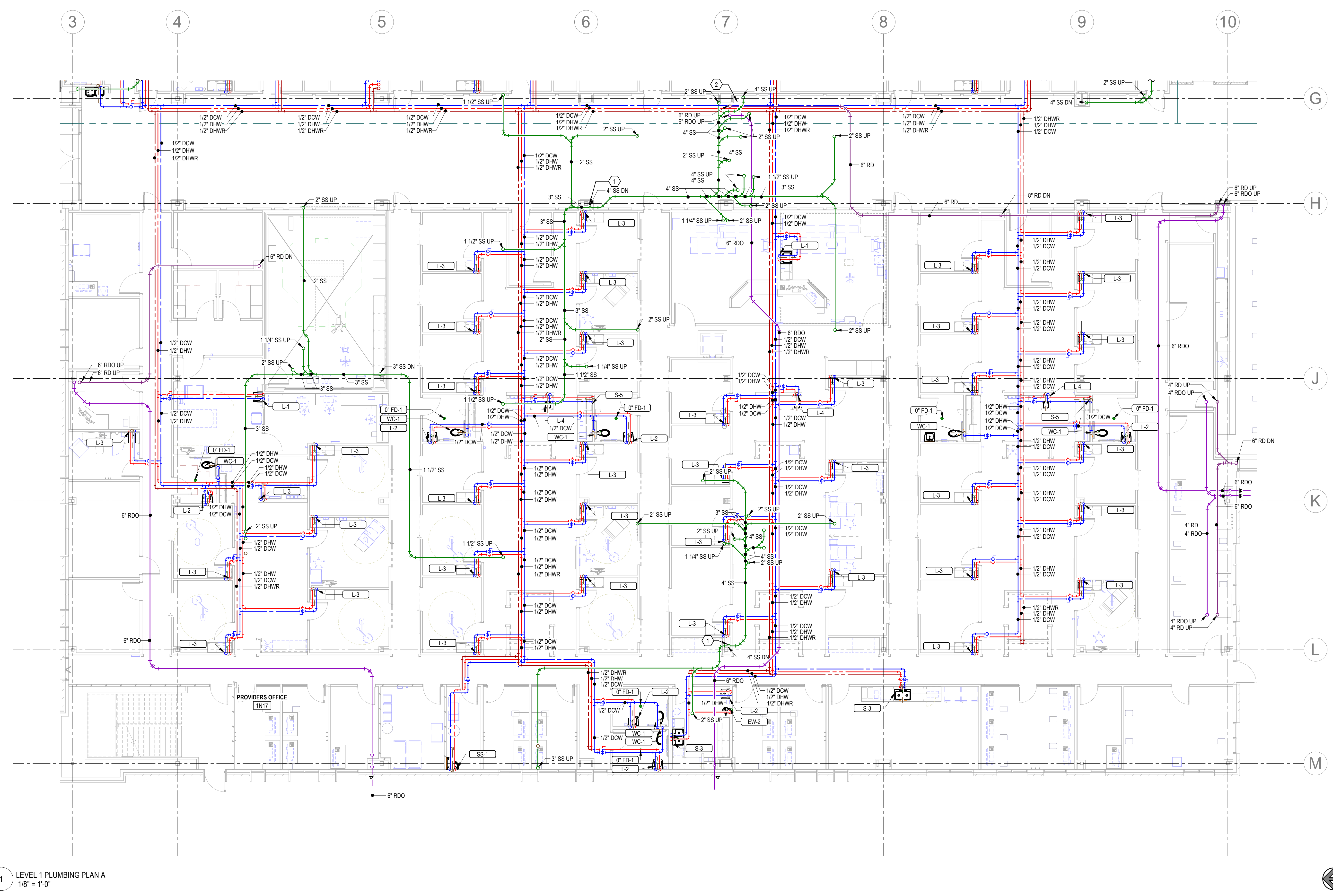
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Intermountain Health

UTAH VALLEY SPORTS PERFORMANCE CENTER

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1 LEVEL 1 PLUMBING PLAN A
1/8" = 1'-0"

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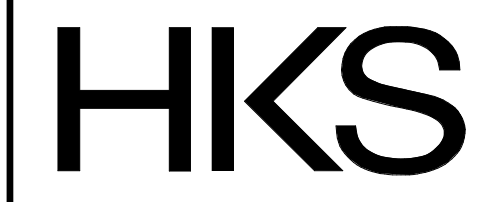
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LEVEL 1 PLUMBING PLAN A

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KEYNOTES		
1	WASTE PIPES JOIN FROM OPPOSITE DIRECTIONS AND DROP NEXT TO COLUMN	



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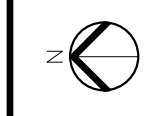
Project #: 251000

**UTAH VALLEY SPORTS
PERFORMANCE CENTER**



SEAL & SIGNATURE

KEY PLAN



REVISION	NO.	DESCRIPTION	DATE
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HKS PROJECT NUMBER
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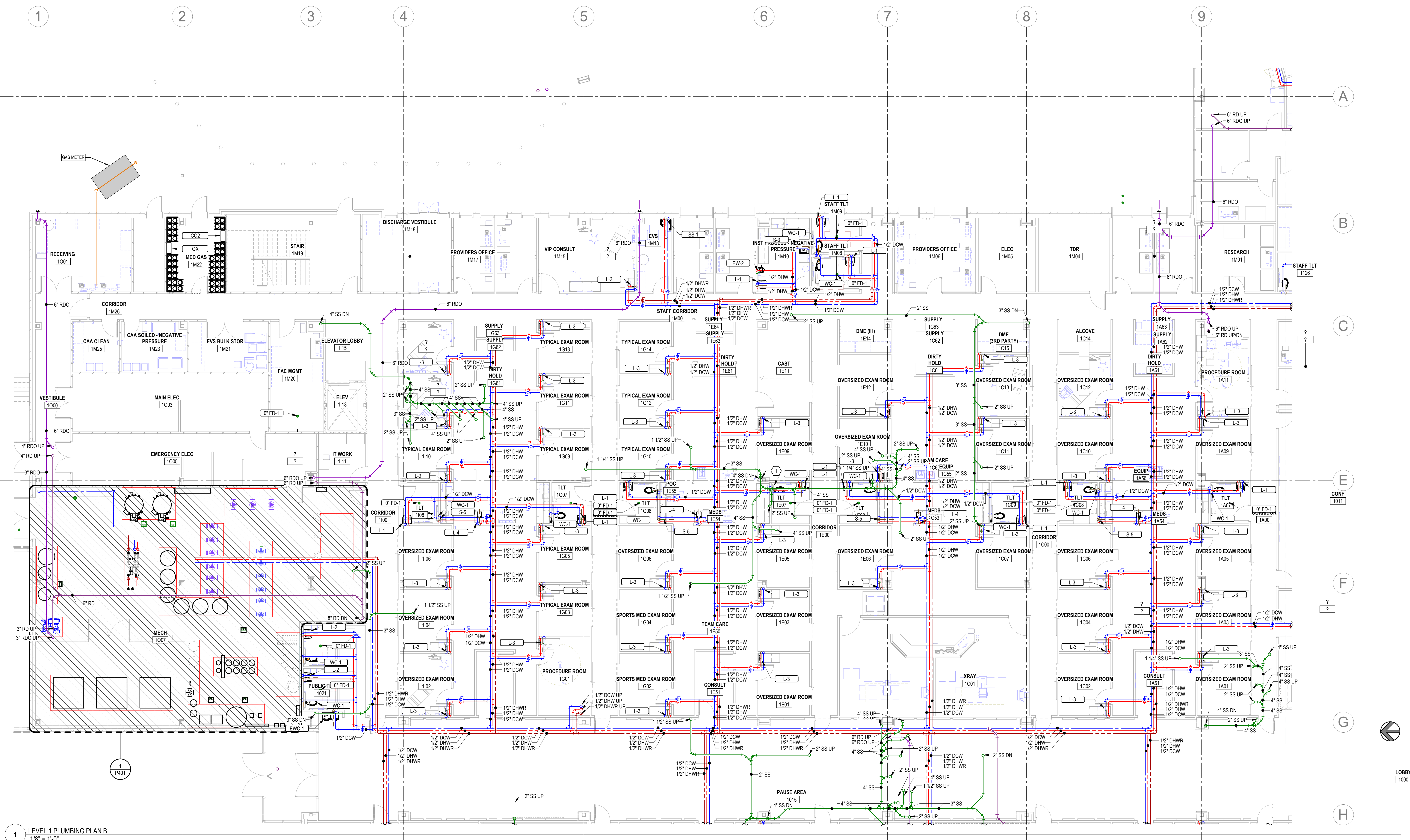
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SHEET TITLE
**LEVEL 1 PLUMBING
PLAN B**

SHEET NO.

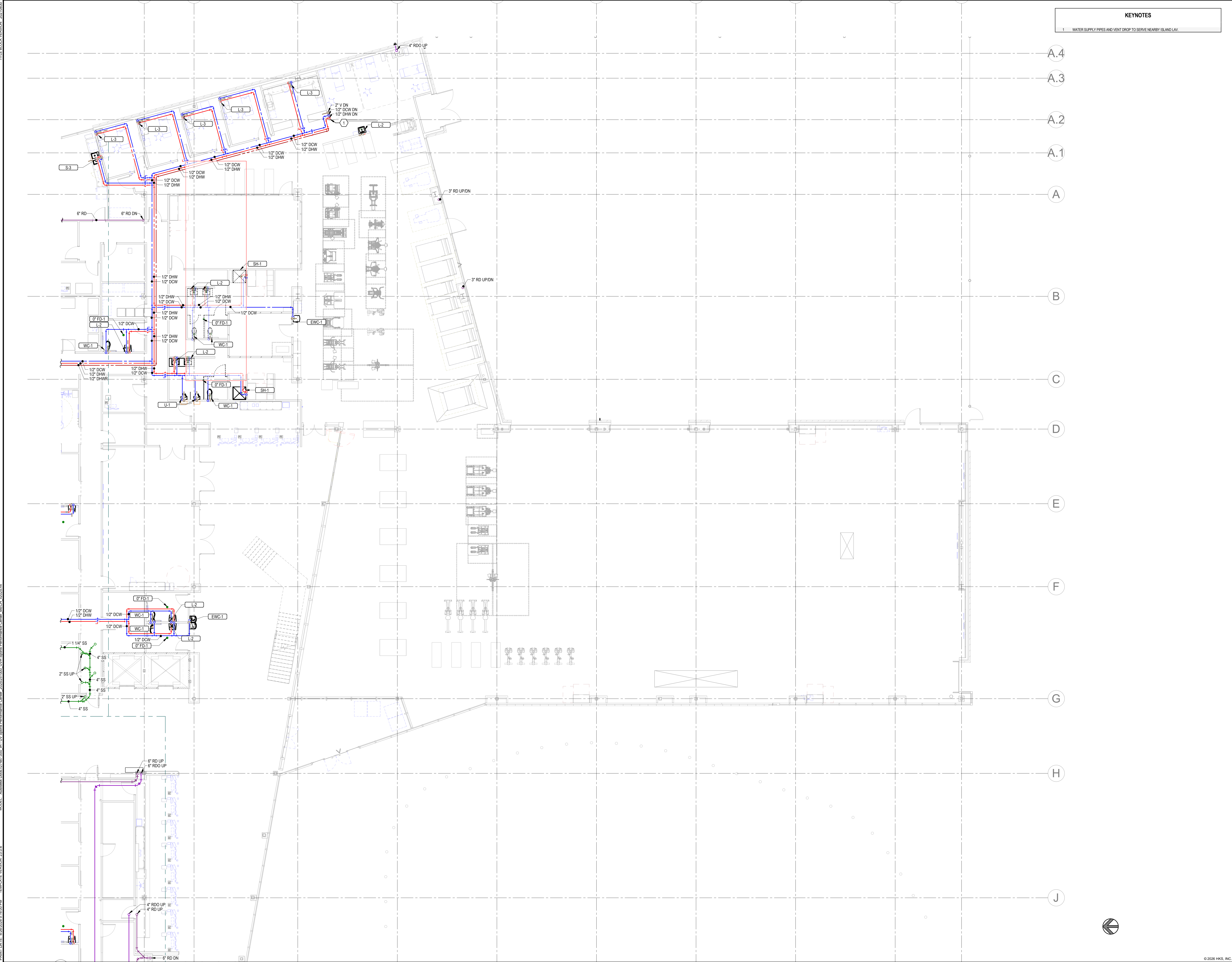
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1 LEVEL 1 PLUMBING PLAN B
1/8" = 1'-0"

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MODEL: AutoCAD Docs 27487.000_11_UV Sports Performance Center_MECH_1_2025.rvt
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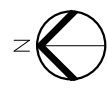
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**UTAH VALLEY SPORTS
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27487.000

DATE
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SHEET TITLE
**LEVEL 1 PLUMBING
PLAN C**

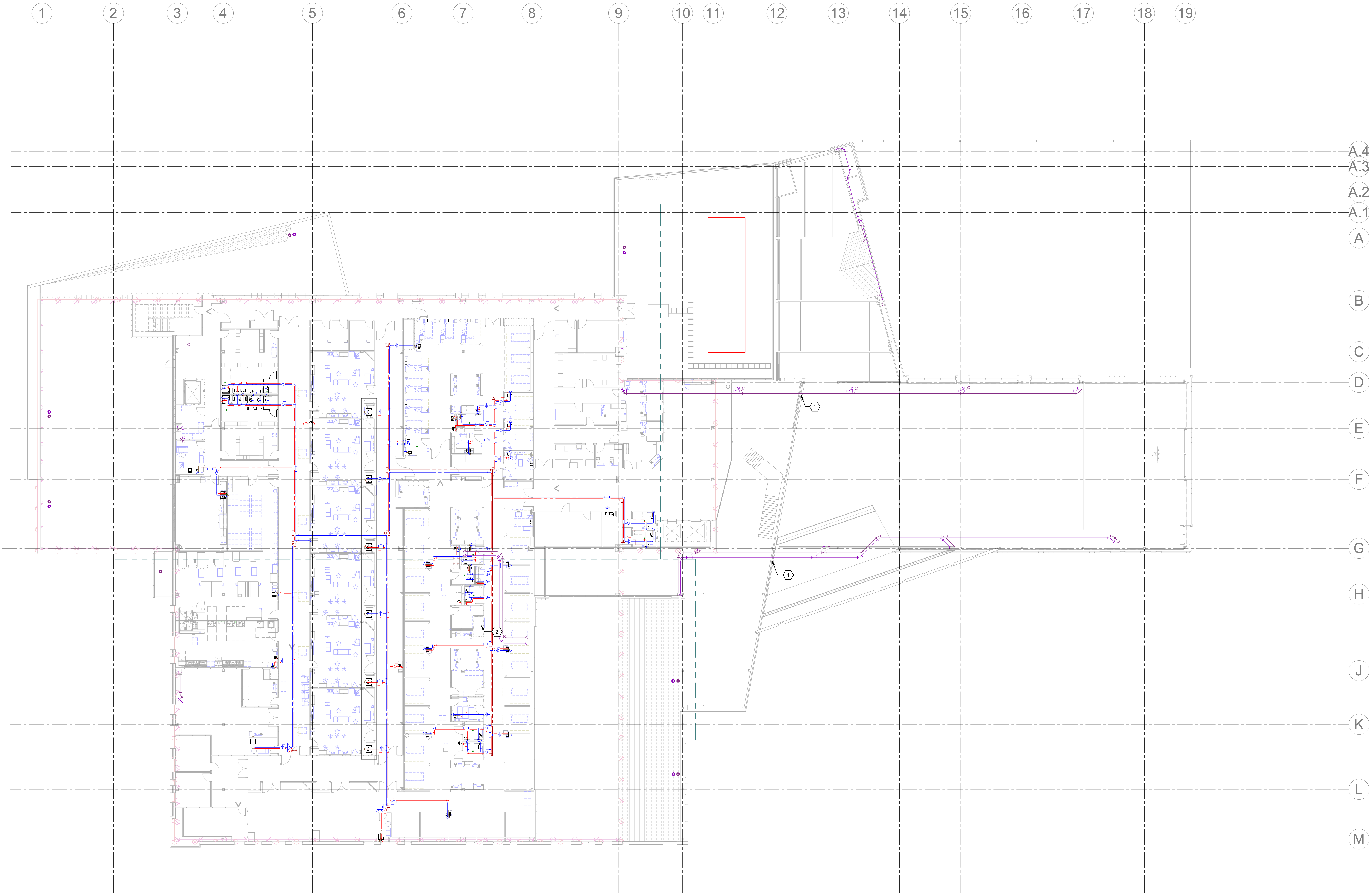
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1 LEVEL 2 PLUMBING PLAN
1/16" = 1'-0"



KEYNOTES

- COORDINATE PIPE MOVING THROUGH GLAZING WITH ARCHITECT.
- COORDINATE PIPES WITH AIR DUCTS IN CHASE.

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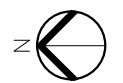


**UTAH VALLEY SPORTS
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KEY PLAN



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27487.000

DATE
8/26/2026

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SHEET TITLE
**LEVEL 2 PLUMBING
PLAN**

SHEET NO.

P102

TITLE BLOCK VERSION: 20210830
MODEL: AutoCAD Docs 27487.000_11-10 Sports Performance Center_2025051000_11-10 Sports Performance Center_MECH_1_2025.rvt
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KEYNOTES

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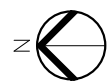


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KEY PLAN



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27487.000

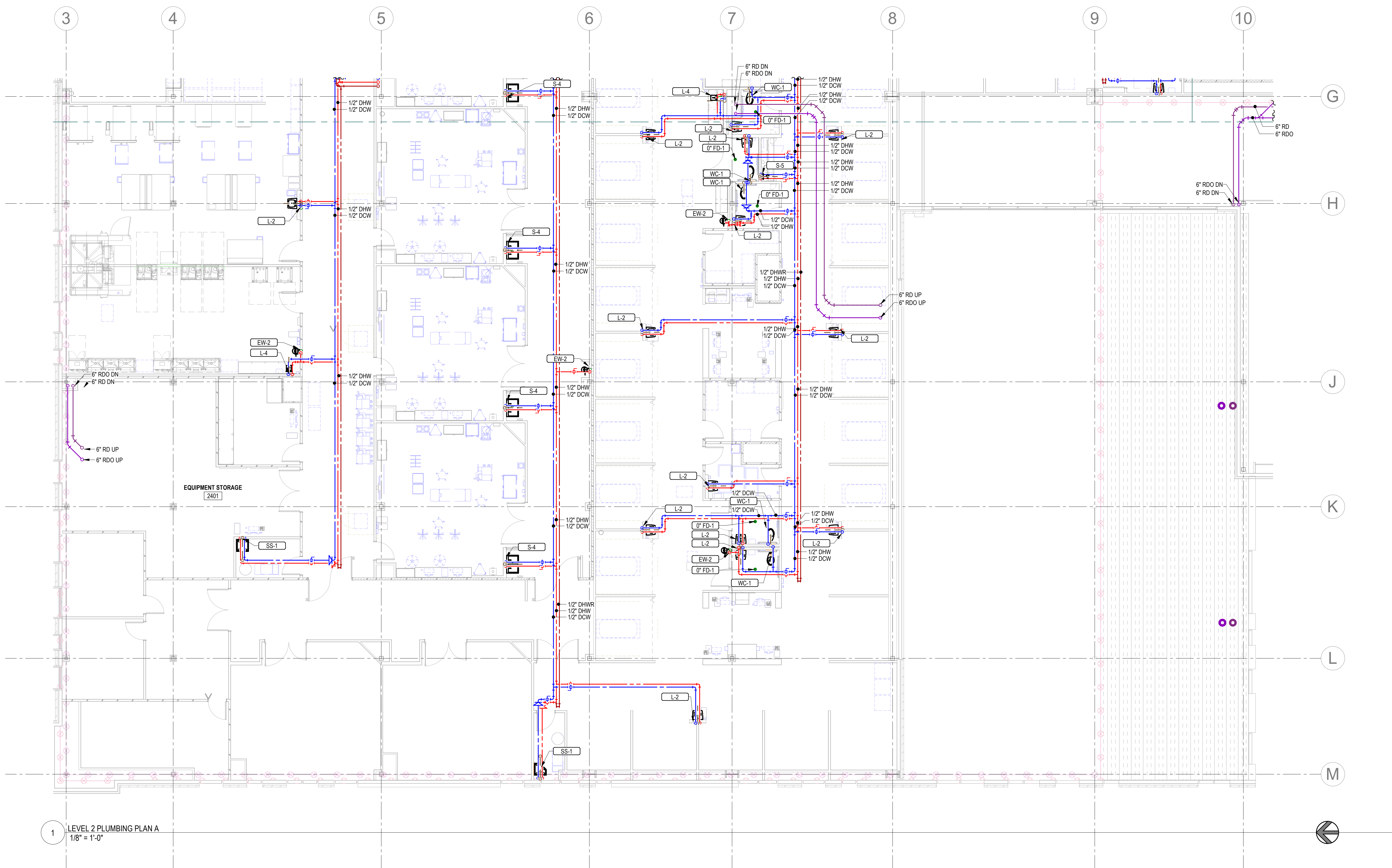
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SHEET TITLE
**LEVEL 2 PLUMBING
PLAN A**

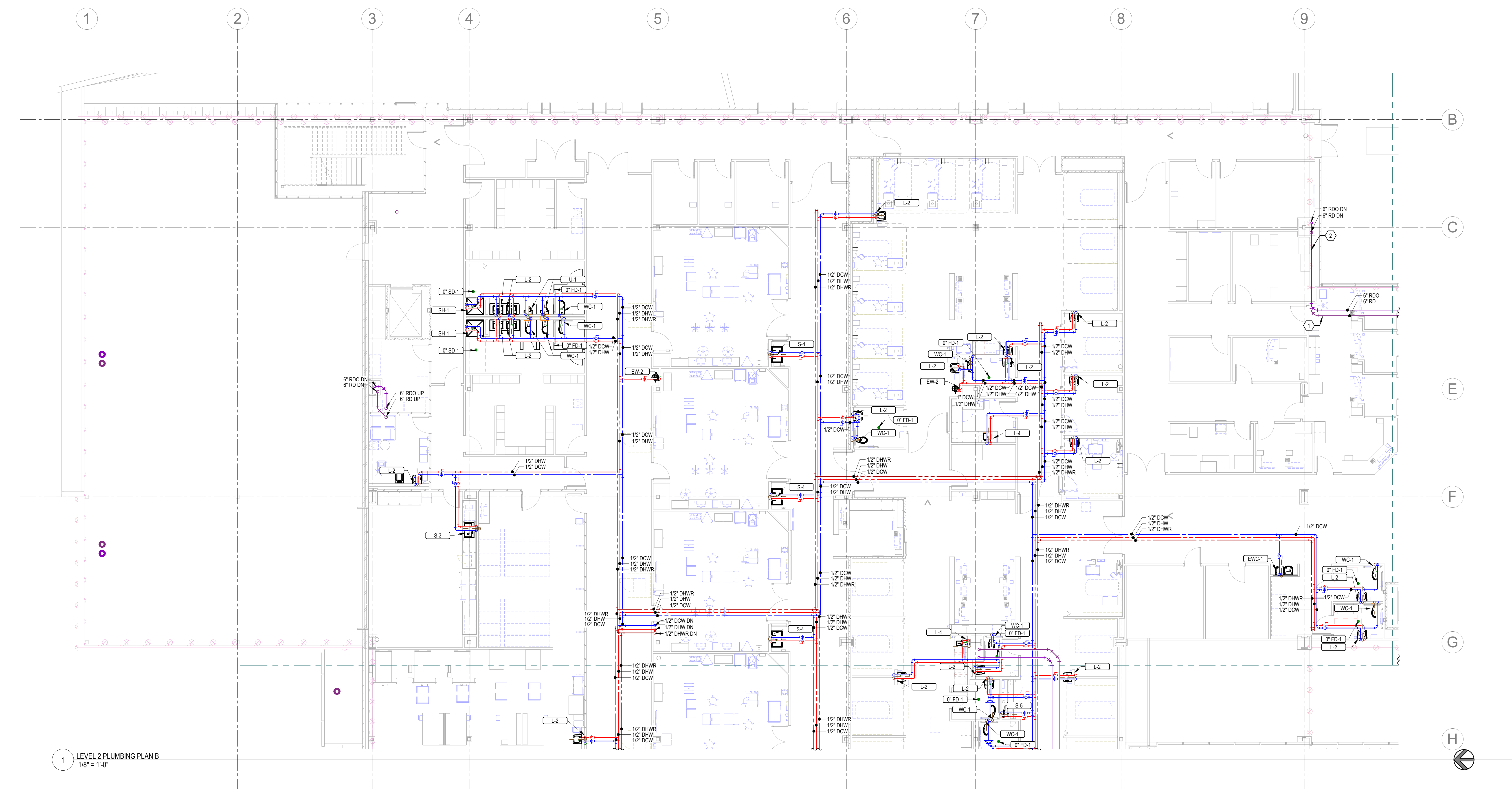
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- KEYNOTES
- MAY NEED TO DROP PRIMARY RD PIPE A FEW INCHES TO RUN OVERFLOW ABOVE.
 - RDO RUNS DIRECTLY ABOVE RD FOR RUN SHOWN BEFORE DROPPING.



1 LEVEL 2 PLUMBING PLAN B
1/8" = 1'-0"

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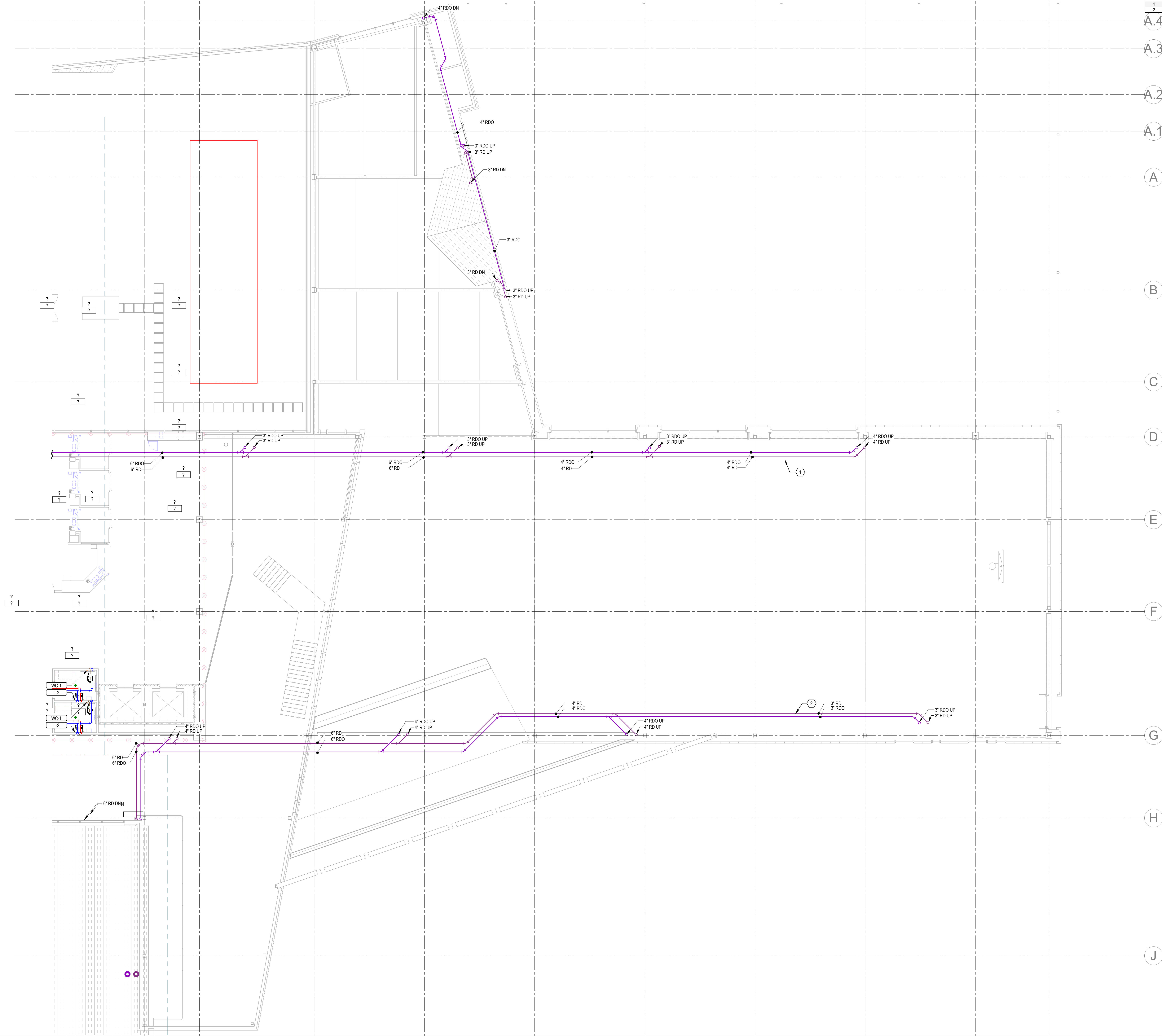
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SHEET TITLE
LEVEL 2 PLUMBING PLAN B

SHEET NO.
P102B

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PRINT DATE: 8/26/2025 5:16:27 PM TEMPLATE VERSION: 23.0.6

1 LEVEL 2 PLUMBING PLAN C
1/8" = 1'-0"



KEYNOTES

- 1 PIPES TO RUN THROUGH GRIDDERS TO MAINTAIN SUFFICIENT HEIGHT.
2 RD PIPES CAN RUN THROUGH GRIDDERS OR BENEATH THEM.

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SHEET TITLE
**LEVEL 2 PLUMBING
PLAN C**

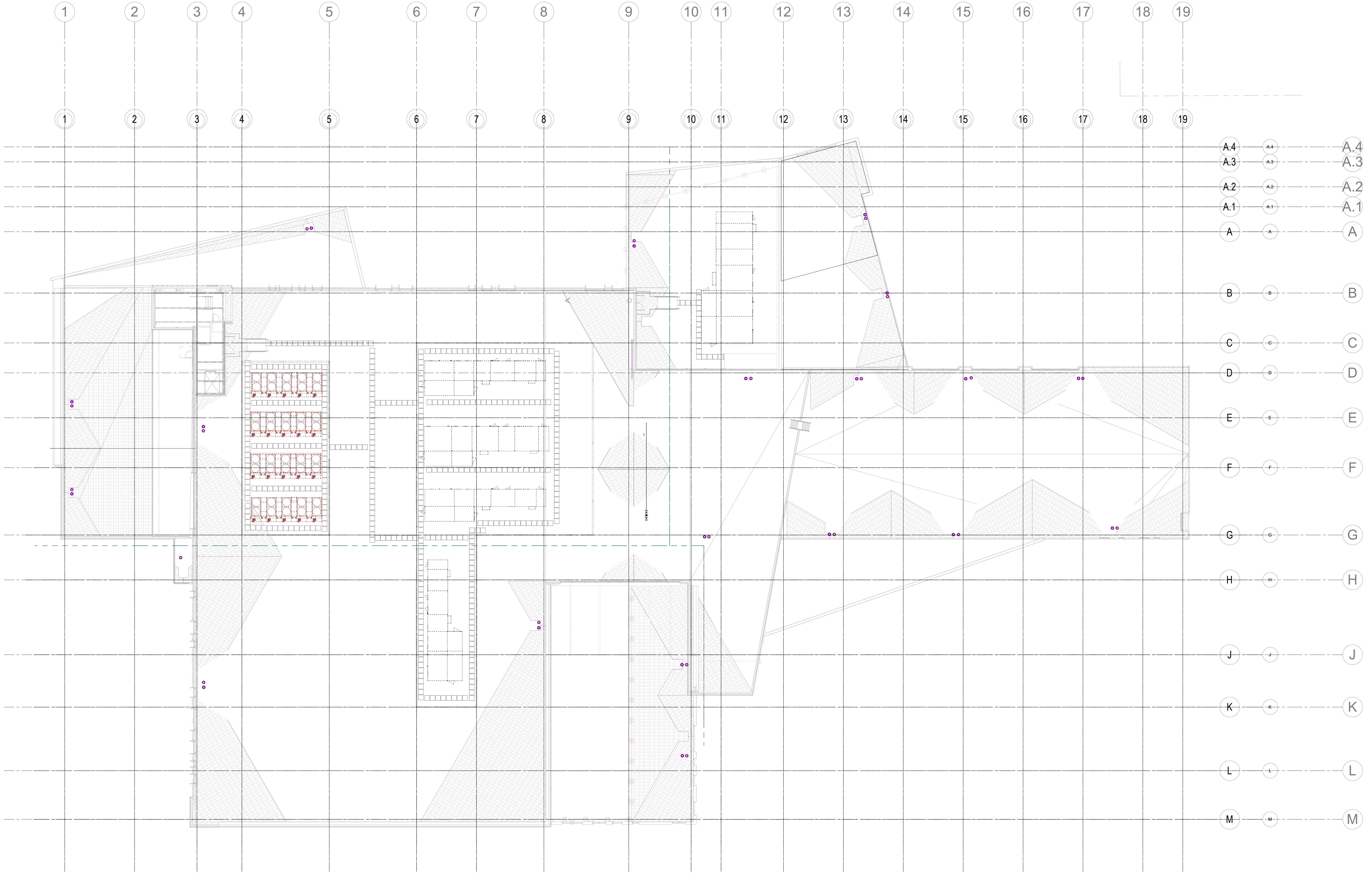
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1 ROOF PLUMBING PLAN
1/16" = 1'-0"



KEYNOTES

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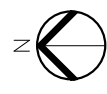


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PERFORMANCE CENTER**

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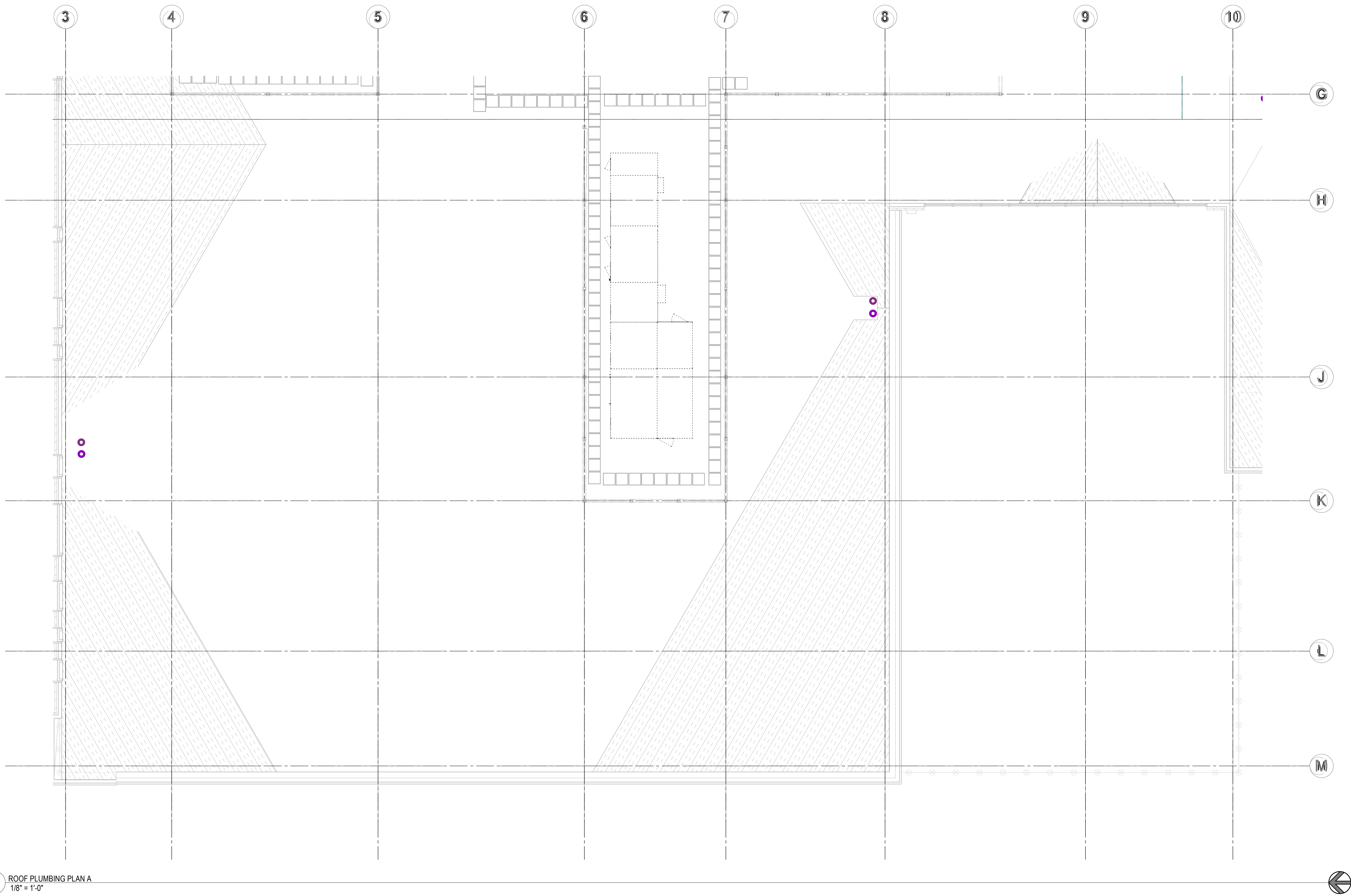
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ROOF PLUMBING PLAN

SHEET NO.

P103

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KEYNOTES



1 ROOF PLUMBING PLAN A
1/8" = 1'-0"

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Intermountain
Health
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SHEET TITLE
**ROOF PLUMBING PLAN
A**

SHEET NO.

P103A

KEYNOTES

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SHEET TITLE

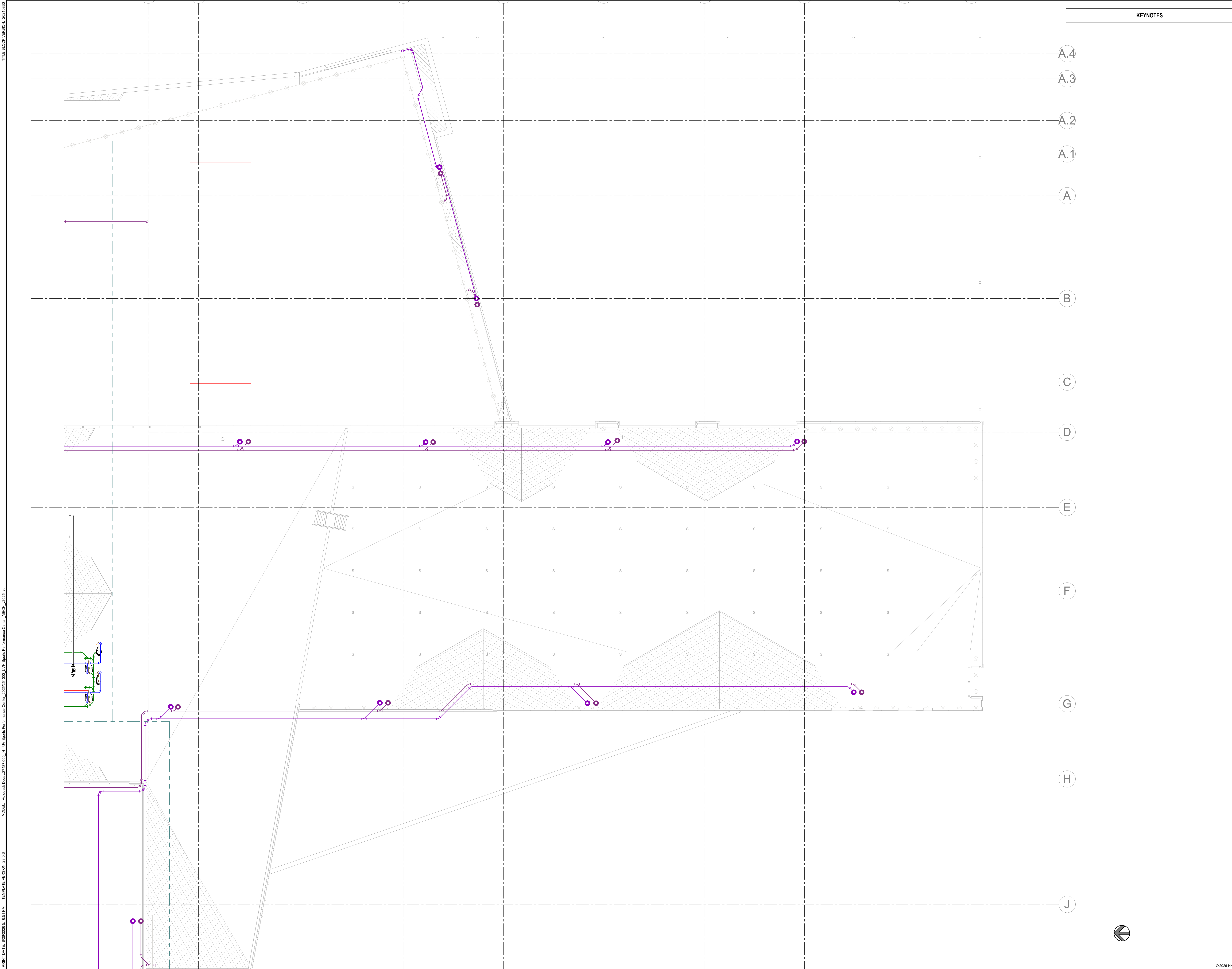
ROOF PLUMBING PLAN
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KEYNOTES

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**UTAH VALLEY SPORTS
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SEAL & SIGNATURE

KEY PLAN



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27487.000

DATE
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DESIGN DEVELOPMENT

SHEET TITLE
**ROOF PLUMBING PLAN
C**

SHEET NO.

P103C

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TITLE BLOCK VERSION: 20210830
MODEL: Abstract.Dwg (27'x42' 0.00, 11' 10" Sports Performance Center, MECH, 02/25/24
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AIR COMPRESSOR SCHEDULE													
				RECEIVER				ELECTRICAL				PHYSICAL	
ID	MANUFACTURER AND MODEL NUMBER	LOCATION	VACCOMP	MAXIMUM FLOW @ 145 PSIG (SCFM)	MAXIMUM PUMP PRESS. (PSIG)	SIZE (GAL)	RECEIVER TYPE	HEIGHT/ DIA. (IN)	MOTOR QUAN.	MOTOR SIZE EACH (HP)	MOTOR SPEED (RPM)	VOLTPH	NOTES
AC-1	POWEREX LST10A5			75	145	200	VERTICAL	-	3	10	-	460/3	1,2,3,4

1. CAPACITIES SHOWN ARE SEA-LEVEL CAPACITIES
2. COMPRESSOR TO BE ON EMERGENCY POWER.
3. COMPRESSED AIR SYSTEM TO INCLUDE FRAME, TANKS, AIR DRYERS, DEW POINT MONITORS, FILTERS, CONTROL PANEL AND STARTERS.
4. COMPRESSED AIR SYSTEM SHALL INCLUDE A PRESSURE REGULATOR AND PRESSURE GAUGE ON THE DISCHARGE. PRESSURE REGULATOR SHALL BE SET TO DISCHARGE AT 100..

MEDICAL AIR COMPRESSOR SCHEDULE													
				RECEIVER				ELECTRICAL				PHYSICAL	
ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	AIR FLOW @50PSIG (SCFM)	MAXIMUM PUMP PRESS. (PSIG)	SYSTEM PRESS. (PSIG)	SIZE (GAL)	RECEIV.. TYPE	HEIG.. DIA. (IN)	MOTOR QUAN.	MOTOR SIZE (HP)	MOTOR SPEED (RPM)	NOTES
MAC-1	POWEREX MST10B5		OILLESS...	63.2	100	55	200	VERTICAL	-	3	10	-	60/66/80 1,2,3,5,6

1. CAPACITIES SHOWN ARE SEA-LEVEL CAPACITIES
2. OILLESS ROTARY SCROLL COMPLETE WITH CONTROLS, SINGLE POINT CONNECTION, SKID MOUNTED
3. COMPRESSOR TO BE ON EMERGENCY POWER
4. INCLUDE TWO RECEIVERS, ONE WET RECEIVER AND ONE DRY RECIEVER
5. COMPRESSOR COMPLETE WITH STARTER
6. SYSTEM IS TO BE SET TO DISCHARGE 55 PSI AIR.

MEDICAL VACUUM PUMP SCHEDULE													
				RECEIVER				ELECTRICAL				PHYSICAL	
ID	MANUFACTURER AND MODEL NUMBER	LOCATION	SERVICE	TYPE	MINIMUM FLOW EA. PUMP @ 19" HG (SCFM)	SYSTEM FLOW (SCFM)	SIZE (GAL)	RECEIVER TYPE	HEIGHT/ DIA. (IN)	HP EACH MOTOR	RPM	VOLTPH	NOTES
MVP-1	POWEREX VPD10B4		VACCOMP	MEDICAL	77	77	120	VERTICAL	-	15	-	460/3	66/55/76 1,2,3,4,5

1. LUBRICATED ROTARY VANE DUPLEX PUMP PACKAGE, SINGLE POINT CONNECTION, SKID MOUNTED, ISOLATION VALVES AND SERVICE DISCONNECTS FOR EACH PUMP MOTOR.
2. CAPACITIES SHOWN ARE SEA LEVEL CAPACITIES
3. PACKAGE TO INCLUDE FRAME, TANK, FILTERS AND CONTROL PANEL.
4. PACKAGE SHALL INCLUDE STARTERS
5. PACKAGE TO BE ON EMERGENCY POWER

DOMESTIC PUMP SCHEDULE													
				RECEIVER				ELECTRICAL				PHYSICAL	
ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	FLUID RATE (GPM)	WORKING FLUID	HEAD LOSS (FT)	PUMP EFFICIENCY (%)	CONSTRUCTION	MOTOR SIZE (HP)	MOTOR BHP (HP)	MOTOR SPEED (RPM)	VOLTPH/PHZ	NOTES
RCP-1	B&G SERIES PR-34-AB	MECH	INLINE	10	WATER	10	NA	Bronze	1/6	NA	1550	115/1/60	(1)
RCP-2	B&G SERIES PR-34-AB	MECH	INLINE	10	WATER	10	NA	Bronze	1/6	NA	1550	115/1/60	(1)
CP-1	GOULDSSSV10NFAF60	MECH	VERTICAL MULTI STAGE	30	WATER	272	NA	STAINLESS...	3	NA	3500	208/3/60	(1)(2)
CP-2	GOULDSSSV10NFAF60	MECH	VERTICAL MULTI STAGE	30	WATER	272	NA	STAINLESS...	3	NA	3500	208/3/60	(1)(2)

- (1) BMS TO MONITOR AND CONTROL OPERATION OF PUMPS.
(2) PROVIDE WITH PCB VFD5 MODEL AVA20030B5FOX01

DOMESTIC EXPANSION TANK SCHEDULE										
				FLUID	PHYSICAL					
ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	WORKING FLUID	MIN. TANK/ ACCEPTANCE (GAL)	TANK SIZE (GAL)	RELIEF VALVE (PSIG)	DIA/ HEIGHT (IN)	NPT FITTING (IN)	NOTES
DET-1	AMTROL ST-30V-C	MECH	DIAPHRAGM	WATER	9	14	80	16/19	0.75	(1)(2)
DET-2	AMTROL ST-30V-C	MECH	DIAPHRAGM	WATER	9	14	80	16/19	0.75	(1)(2)

- (1) TANK LINER SUITABLE FOR POTABLE WATER
(2) ASME TANK

DOMESTIC PRV SCHEDULE									
ID	MANUF. AND MODEL NO.	LOCATION	SERVICE	TYPE	CAPACITY (GPM)	INLET	OUTLET	SIZE (IN)	NOTES
						PRESSU. (PSIG)	PRESSU. (PSIG)		
DPRV-1	WATTS LFF115-74	SEE PLANS	DOMESTIC WATER	PILOT	193	90	80	3	1, 2
DPRV-2	WATTS LFF115-74	SEE PLANS	DOMESTIC WATER	PILOT	193	90	80	3	1, 2

1. MODEL NUMBER INCLUDES THE REQUIRED LOW FLOW BYPASS WITH DIRECT ACTING PRV.
2. ONE VALVE WILL BE IN NORMALLY CLOSED BYPASS. CYCLE VALVE IN DUTY ONCE EVERY SIX MONTHS FOR VALVE LONGEVITY.

PURE WATER SYSTEM SCHEDULE													
				RECEIVER				ELECTRICAL				PHYSICAL	
ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	RO UNIT CAPACITY @ 77 F FEED WATER (GPD/GPM)	STORAGE ST-1 HPV	TOTAL FLUID CAPACITY (GAL)	DIA/ HEIGHT (IN)	FILTER SYMBOL	TYPE	MICRON RATING	FLOW RATE (GPM)	ULTRA VIOLET STERILIZERS SYMBOL	NOTES
RO-1/RO-2	REG PURE BLS 6000			6000 / 4.1	208 / 3	NORWESCO	500 EA	48 / 7.1	ACF-1/ACF-2	CARBON	0.5	UV-1	40 140 120/1 (1)(2)(3)(4)(5)(6)

- (1) ACF-1 / ACF-2 ACTIVATED CARBON. REQUIRES 120V POWER.
(2) SEE DOMESTIC PUMP SCHEDULE FOR REPRESSURE PUMPS.
(3) QTY (2) TANKS.
(4) CF-1, CF-2 SHALL BE SUBMICRON POST FILTERS SEE SPECIFICATIONS.
(5) PROVIDE EMERGENCY POWER
(6) PURE WATER SYSTEM SHALL BE FED FROM A LEONARD TM-26-LF THERMOSTATIC MIXING VALVE OR APPROVED EQUIVALENT, SET OUTPUT TEMPERATURE TO 70°F.

PLUMBING FIXTURE SCHEDULE (1 OF 2)													
ID	FIXTURE	CW (IN)	HW (IN)	W (IN)	V (IN)	DESCRIPTION	NOTES						
WC-1	ADA WATER CLOSET	1	-	4	2	FLOOR MOUNTED, MANUAL FLUSH VALVE, ADA	WATER CLOSET: KOHLER K-9657-D HIGHCLIFF ULTRA VITREOUS CHINA, FLOOR MOUNTED, ELONGATED BOWL, 1-1/2" TOP SPUD, ADA TOILET WITH K-4670-C LUSTRA OPEN-FRONT SEAT. SLOAN ROYAL-111-1.28 GPF FLUSH VALVE. INSTALL ACTUATOR ON WIDE SIDE OF FIXTURE.						
U-1	URINAL	3/4	-	2	2	WALL HUNG, 1/8 GPF	URINAL: KOHLER K-4991-ET-0 BARDON HIGH EFFICIENCY WASHOUT URINAL, VITREOUS CHINA; WALL HUNG, TOP SPUD; SLOAN 186-SMD-0.125 GPF SENSOR FLUSH VALVE; SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS.						
MV-1	MIXING VALVE	2	2	-	-	MECHANICAL ROOM	WATTS INTELLISTATION S251500VHSLP-H DIGITAL WATER TEMPERING AND RECIRCULATION SYSTEM, LEAD FREE DIGITAL CONTROL AND MONITORING SYSTEM WITH TEMPERATURE CONTROL TO +/- 2°F WITH ASSE 1017 CERTIFICATION, USER PROGRAMMABLE HIGH TEMPERATURE ALARM WITH PREDICTIVE CONTROL, FOR SYSTEM DEMAND CHANGES, IN THE EVENT OF POWER FAILURE OR LOSS OF COLD WATER SYSTEM WILL CLOSE HOT SUPPLY, SYSTEM PRE PIPED AND ASSEMBLED TO HEAVY DUTY WELDED STRUT WITH CORROSION RESISTANT COATING, FACTORY TESTED AS COMPLETE UNIT, STRAINERS SHIP LOOSE AND MUST BE INSTALLED BY CONTRACTOR AT THE JOB SITE. 120 V SINGLE PHASE POWER REQUIRED						
L-1	LAVATORY	1/2	1/2	1 1/2	1 1/2	WALL HUNG, VITREOUS CHINA, WRIST BLADES	LAVATORY: KOHLER K2031, GREENWICH, 20" X 16", VITREOUS CHINA, WALL MOUNTED LAVATORY WITH FRONT OVERFLOW, SINGLE HOLE DRILLING, PROVIDE CHICAGO 786-GN2FCABCP FAUCET WITH WRIST BLADE HANDLES, GN2FC RIGID/SWING GOOSE NECK SPOUT WITH 1.5 GPM LAMINAR FLOW CONTROL, IN SPOUT, FLEXIBLE STAINLESS STEEL SUPPLIES WITH WITH LOOSE KEY ANGLE STOPS. CHICAGO 327-XCP OPEN-GRID STRAINER AND CAST BRASS P-TRAP WITH CLEAN OUT PLUG. SMITH 0700-Z CONCEALED ARM CHAIR CARRIER WITH FOOT SUPPORT. PROVIDE ADA COMPLIANT UNDER COUNTER PIPING WRAP BY TRUE-BRO, COLOR TO BE WHITE.						
L-2	PUBLIC LAVATORY	1/2	1/2	1 1/2	1 1/2	WALL HUNG, VITREOUS CHINA, SENSOR FAUCET	LAVATORY: KOHLER K2031, GREENWICH, 20" X 16", VITREOUS CHINA, WALL MOUNTED LAVATORY WITH FRONT OVERFLOW, SINGLE HOLE DRILLING, CHICAGO 116-955 AB-1 SENSOR FAUCET WITH GOOSENECK, 0.5 GPM LAMINAR FLOW CONTROL, IN SPOUT, WATTS LFUSG-B-2 THERMOSTATIC MIXING VALVE WITH SLOAN ETF-470-A SINGLE CHECK VALVES ON HOT AND COLD LINES, FLEXIBLE STAINLESS STEEL SUPPLIES WITH WITH LOOSE KEY ANGLE STOPS. CHICAGO 327-XCP OPEN-GRID STRAINER AND CAST BRASS P-TRAP WITH CLEAN OUT PLUG. SMITH 0700-Z CONCEALED ARM CHAIR CARRIER WITH FOOT SUPPORT. PROVIDE ADA COMPLIANT UNDER COUNTER PIPING WRAP BY TRUE-BRO, COLOR TO BE WHITE.						
L-3	LAVATORY	1/2	1/2	1 1/2	1 1/2	BASIN INTEGRAL TO COUNTERTOP, WRIST BLADES	LAVATORY: (BASIN INTEGRAL WITH COUNTER TOP); PROVIDE CHICAGO 786-GN2FCABCP FAUCET WITH WRIST BLADE HANDLES, GN2FC RIGID/SWING GOOSE NECK SPOUT WITH 1.5 GPM LAMINAR FLOW CONTROL, IN SPOUT, PROVIDE CHICAGO 327-XCP OPEN-GRID STRAINER, PROVIDE FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS, 17 GA. CAST BRASS, CHROME PLATED "P" TRAP						
L-4	PUBLIC LAVATORY	1/2	1/2	1 1/2	1 1/2	BASIN INTEGRAL TO COUNTERTOP, SENSOR FAUCET	LAVATORY: (BASIN INTEGRAL WITH COUNTER TOP); PROVIDE CHICAGO 116-955 AB-1 SENSOR FAUCET WITH GOOSENECK, 0.5 GPM LAMINAR FLOW CONTROL, IN SPOUT, WATTS LFUSG-B-2 THERMOSTATIC MIXING VALVE WITH SLOAN ETF-470-A SINGLE CHECK VALVES ON HOT AND COLD LINES, FLEXIBLE STAINLESS STEEL SUPPLIES WITH WITH LOOSE KEY ANGLE STOPS. CHICAGO 327-XCP OPEN-GRID STRAINER AND CAST BRASS P-TRAP WITH CLEAN OUT PLUG. SMITH 0700-Z CONCEALED ARM CHAIR CARRIER WITH FOOT SUPPORT. PROVIDE ADA COMPLIANT UNDER COUNTER PIPING WRAP BY TRUE-BRO, COLOR TO BE WHITE.						
S-1	WORK SINK	1/2	1/2	2	1 1/2	BASIN INTEGRAL TO COUNTERTOP, WRIST BLADES	SINK (BASIN INTEGRAL TO COUNTERTOP); PROVIDE CHICAGO 786-GN2FCABCP FAUCET WITH WRIST BLADE HANDLES, GN2FC RIGID/SWING GOOSE NECK SPOUT WITH 1.5 GPM LAMINAR FLOW CONTROL, IN SPOUT, FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS, CHICAGO 327-XCP OPEN-GRID STRAINER AND CAST BRASS P-TRAP WITH CLEAN OUT PLUG.						
S-2	SINK	1/2	1/2	1 1/2	1 1/2	WALL HUNG, STAINLESS STEEL, WRIST BLADES	SINK: JUST HCL-23520-J, 19" X 23" X 4", STAINLESS STEEL, WALL MOUNTED SINK WITH 2 HOLE ON 8" CENTER DRILLING, PROVIDE CHICAGO 786-GN2FCABCP FAUCET WITH WRIST BLADE HANDLES, GN2FC RIGID/SWING GOOSE NECK SPOUT WITH 1.5 GPM LAMINAR FLOW CONTROL, IN SPOUT, FLEXIBLE STAINLESS STEEL SUPPLIES WITH WITH LOOSE KEY ANGLE STOPS. CHICAGO 327-XCP OPEN-GRID STRAINER AND CAST BRASS P-TRAP WITH CLEAN OUT PLUG. SMITH 0700-Z CONCEALED ARM CHAIR CARRIER WITH FOOT SUPPORT. PROVIDE ADA COMPLIANT UNDER COUNTER PIPING WRAP BY TRUE-BRO, COLOR TO BE WHITE.						
S-3	BREAKROOM SINK	1/2	1/2	2	1 1/2	TWO COMPARTMENT, COUNTER MOUNTED, STAINLESS STEEL, WITH WRIST BLADES	SINK (STAINLESS STEEL, COUNTER MOUNTED, DOUBLE COMPARTMENT); JUST DL-ADA-2133-A5 18 GA. TYPE 304 STAINLESS STEEL SINK, 33" X 21" X 1/4" X 5 1/2" DEEP BASIN, SELF RIMMING, 8" CENTERS, CHICAGO 786-GN2FCABCP FAUCET, WITH WRIST BLADE HANDLES, GN2FC RIGID/SWING GOOSE NECK SPOUT WITH 1.5 GPM LAMINAR FLOW CONTROL, IN SPOUT, FLEXIBLE STAINLESS STEEL SUPPLIES WITH WITH LOOSE KEY ANGLE STOPS. CHICAGO 327-XCP OPEN-GRID STRAINERS MOUNTED FLUSH WITH SINK BOTTOM. PROVIDE FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS, CAST BRASS P-TRAP WITH CLEAN-OUT PLUG.						
S-4	SURGEON SCRUB SINK	1/2	1/2	2	1 1/2	OWNER FURNISHED	ROUGH IN AND CONNECT TO OWNER FURNISHED SINK, PROVIDE SLOAN ETF-470-A CHECK VALVES ON HOT AND COLD LINES, FLEXIBLE STAINLESS STEEL SUPPLIES WITH WITH LOOSE KEY ANGLE STOPS AND CAST BRASS P-TRAP WITH CLEAN OUT PLUG.						
S-5	SAMPLE SINK	1/2	1/2	2	1 1/2	ROUND SAMPLE SINK	SINK: JUST A3905B-6-1/2" DIA. 1.0, TYPE 316 16 GA STAINLESS STEEL, ROUND, SINGLE BOWL, CUP DRIP BOWL, CAST BRASS P-TRAPS WITH CLEAN OUT PLUG AND COLD WATER FAUCET WITH GN2FCABCP 5-1/4" PLAN END GOOSENECK SPOUT WITH 1.5 GPM LAMINAR FLOW CONTROL, IN BASE OF THE SPOUT AND 317 4 WRIST BLADE HANDLES, PROVIDE FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS AND CAST BRASS P-TRAP WITH CLEAN-OUT PLUG.						
S-6	SINK	1/2	1/2	2	1 1/2	UNDERMOUNT, STAINLESS STEEL	SINK (STAINLESS STEEL, UNDERMOUNT); KOHLER K-5285 16GA. STAINLESS STEEL SINK, 32" X 18-5/16" X 9-5/16" DEEP BASIN WITH INTEGRAL DRAIN, MOEN 5923WEC SERIES FAUCET WITH 1.5 GPM LAMINAR FLOW CONTROL, IN SPOUT; KOHLER K-8801 DRAIN AND TAILPIECE, PROVIDE FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS AND CAST BRASS P-TRAP WITH CLEAN-OUT PLUG.						
S-7	UTILITY SINK	1/2	1/2	2	1 1/2	FREE STANDING SINK	SINK: JUST SB-124 27" X 27-1/2" X 12" DP, 14 GA STAINLESS STEEL, FREE STANDING WORK SINK WITH 12" BACKSPASH, PROVIDE CHICAGO MANUAL SINK FAUCET 445-ABCP, 6" S-TYPE SWING SPOUT, 2.2 GPM FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS AND CAST BRASS P-TRAP						
S-8	CAST ROOM SINK	1/2	1/2	2	1 1/2	BASIN INTEGRAL TO COUNTERTOP, WRIST BLADES, PLASTER TRAP	SINK (BASIN INTEGRAL TO COUNTERTOP); PROVIDE CHICAGO 786-GN2FCABCP FAUCET WITH WRIST BLADE HANDLES, GN2FC RIGID/SWING GOOSE NECK SPOUT WITH 1.5 GPM LAMINAR FLOW CONTROL, IN SPOUT, FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS, CHICAGO 327-XCP OPEN-GRID STRAINER, JAY R. SMITH MODEL 8710 SOLIDS INTERCEPTOR.						
S-9	WORK SINK	1/2	1/2	2	1 1/2	BASIN INTEGRAL TO COUNTERTOP, WITH FOOT CONTROLS	SINK (INTEGRAL); WRIST BLADE HANDLES, CHICAGO FAUCET 786-TWGN8FCABCP RIGID/SWING 8" GOOSE NECK SPOUT WITH 1.5 GPM LAMINAR FLOW CONTROL, IN SPOUT, FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS, CAST BRASS P-TRAPS WITH CLEAN OUT PLUG AND FLAT GRID STRAINER, PROVIDE CHICAGO 834-EPABCP FOOT CONTROLS.						
S-10	WORK SINK	1/2	1/2	2	1 1/2	BASIN INTEGRAL TO COUNTERTOP, WITH WRIST BLADES	SINK (INTEGRAL); PROVIDE CHICAGO 786-GN8FCXKABCP FAUCET, WITH WRIST BLADE HANDLES, GN8FC RIGID/SWING GOOSE NECK SPOUT WITH 1.5 GPM LAMINAR FLOW CONTROL, IN SPOUT, FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS, CAST BRASS P-TRAPS WITH CLEAN OUT PLUG AND FLAT GRID STRAINER.						
S-11	WORK SINK	1/2	1/2	2	1 1/2	COUNTER MOUNTED, STAINLESS STEEL, WITH WRIST BLADES, DEEP BASIN	SINK (STAINLESS STEEL, COUNTER MOUNTED, SINGLE COMPARTMENT); JUST SLX-2225-A-1 18 GA. TYPE 304 STAINLESS STEEL SINK, 16" X 21" X 10-1/2" DEEP BASIN, SELF RIMMING, 8" CENTERS, CHICAGO 786-GN8FCXKABCP FAUCET, WITH WRIST BLADE HANDLES, GN8FC RIGID/SWING GOOSE NECK SPOUT WITH 1.5 GPM LAMINAR FLOW CONTROL, IN SPOUT, J-35-FS OPEN-GRID STRAINER MOUNTED FLUSH WITH SINK BOTTOM. PROVIDE FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS AND CAST BRASS P-TRAP WITH CLEAN-OUT PLUG.						
S-12	SINK	1/2	1/2	2	1 1/2	COUNTER MOUNTED, STAINLESS STEEL, WRISTBLADES	SINK (STAINLESS STEEL, COUNTER MOUNTED, SINGLE COMPARTMENT); JUST SL-2118A-QR 18" X 16" X 17-1/2" D. COUNTER MOUNT, 18 GA. STAINLESS STEEL SINK WITH 2 HOLE DRILLING, PROVIDE J-35-FS OPEN-GRID STRAINER MOUNTED FLUSH WITH SINK BOTTOM. PROVIDE CHICAGO 786-GN2FCABCP FAUCET WITH WRIST BLADE HANDLES, GN2FC RIGID/SWING GOOSE NECK SPOUT WITH 1.5 GPM LAMINAR FLOW CONTROL, IN SPOUT, PROVIDE FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS AND CAST BRASS P-TRAP WITH CLEAN-OUT PLUG.						
SH-1	SHOWER	1/2	-	-	-	ADA, HAND HELD SHOWER HEAD	SHOWER (ADA COMPLIANT); CHICAGO 1921-VCCOP THERMOSTATIC / PRESSURE BALANCE DRAINING SHOWER VALVE WITH LEVER HANDLE, SUPPLY CHICAGO 154L-ADCLSS HEAD, SYMMONS ADAOHS-1.5 WITH PAUSE CONTROL, ADJUSTABLE HIGH LIMIT STOP SCREW, INTEGRAL SERVICE STOPS WITH CHECKS, (2) 3/4" SS HOSES WITH AUTOMATIC HOSE DRAIN, INLINE BREAKER, WALL CONNECTION AND ADA GRAB AND SLIDE BAR FOR HAND SHOWER MOUNTING.						
SS-1	SERVICE SINK	1/2	1/2	3	1 1/2	CORNER FLOOR MOUNTED	SERVICE SINK (FLOOR MOUNTED); KOHLER K6710, WHITBY, 28 X 28-INCH, ENAMELED CAST IRON FLOOR-MOUNTED CORNER MODEL, K9148-3" DRAIN WITH STRAINER, NO. 8804 REMOVABLE VINYL-COATED RIM GUARD, CHICAGO 88V FAUCET WITH VACUUM BREAKER, SCREWDRIVER STOPS IN SHANKS, 5 FOOT RUBBER HOSE AND 553 WALL HOOK, WATTS #7 DUAL CHECK VALVES ON HOT AND COLD LINES, INSTALLED IN CEILING ABOVE SERVICE SINK WITH ACCESS DOOR IF HARD CEILING.						
CS-1	CLINIC SINK	1	1/2	4	2	FLOOR MOUNTED, FLUSH VALVE, SPRAY HOSE, FOOT CONTROLS	KOHLER K-6676 TYRRELL FLOOR MOUNTED CLINIC SINK, CHICAGO 814-VBOP FAUCET; SLOAN REGAL 117 XL FLUSH VALVE; CHICAGO 911-GSL0777-19KCP WALL MOUNTED BEDPAN WASHER WITH FOOT PEDALS VACUUM BREAKER AND HAND HELD SPRAY HOSE, PROVIDE 10" HIGH CONCRETE BASE FOR CLINIC SINK.						
NFH-1	NON-FREEZE WALL HYDRANT	3/4	-	-	-	NON-FREEZE HYDRANT	NON-FREEZE HYDRANT, SMITH 56902P NON-FREEZE WALL HYDRANT FOR WALL THICKNESS SHOWN ON PLAN, BRONZE HYDRANT, 3/4-INCH CONNECTION WITH BRASS CASING, INTEGRAL SELF-DRAINING VACUUM BREAKER, AND LOOSE KEY						
WO-1	WATER OUTLET	1/2	-	2	1 1/2	FLUSH MOUNTED IN WALL, WATER SUPPLY, DRAIN	WATER OUTLET BOX, WATER-TITE 82148 WASHING MACHINE OUTLET BOX WITH DRAIN QUARTER TURN BALL VALVE WITH WATER ARRESTOR FOR USE WITH ICE AND SODA MACHINE. INSTALL ONLY COLD WATER BALL VALVE. NOTCH COUNTERTOP BACK-SPLASH AND INSTALL OUTLET BOX DRAIN FLUSH WITH COUNTERTOP. PROVIDE WITH PVC TRAP.						
WO-2	WATER OUTLET	1/2	1/2	3	1 1/2	FLUSH MOUNTED IN WALL, DRAIN	WATER OUTLET BOX, WATER-TITE 82148 WASHING MACHINE OUTLET BOX WITH DRAIN, QUARTER TURN BALL VALVE WITH WATER ARRESTOR. PROVIDE WITH PVC TRAP. COORDINATE MOUNTING HEIGHT WITH ARCHITECT.						
WO-3	WATER OUTLET	-	-	2	1 1/2	FLUSH MOUNTED IN WALL, DRAIN	WATER OUTLET BOX, GUY GREY WM06 T200LV WHITE POWDER COATED STEEL DRAIN OUTLET BOX (DRAIN ONLY) PROVIDE WITH PVC TRAP.						
WO-4	WATER OUTLET	1/2	-	-	-	FLUSH MOUNTED IN WALL, WATER SUPPLY ONLY	WATER OUTLET BOX, WATER-TITE 82148 WASHING MACHINE OUTLET BOX WITH DRAIN QUARTER TURN BALL VALVE WITH WATER ARRESTOR FOR USE WITH COFFEE MAKER, INSTALL ONLY COLD WATER BALL VALVE.						
HB-1	HOSE BIBB	1/2	-	-	-	HOSE BIBB WITH VACUUM BREAKER	HOSE BIBB: CHICAGO 952-12CP WALL MOUNTED SILL, WITH VACUUM BREAKER, 3/4" MALE HOSE THREAD OUTLET.						
EW-1	EMERGENCY EYEWASH	1/2	1/2	-	-	COUNTER MOUNTED, TEPID WATER	GUARDIAN G5022BP EYEWASH/DRENCH HOSE DECK MOUNTED UNITS WITH SLOAN ETF-470-A SINGLE CHECK VALVES ON HOT AND COLD LINES AND GUARDIAN G3600LF THERMOSTATIC MIXING VALVE. INSTALL THE EYEWASH/DRENCH HOSE UNIT ON THE COUNTER NEXT TO THE SINK. INSTALL THE MIXING VALVE ABOVE THE CEILING WITH THE OUTLET TEMPERATURE SET TO 75-80°F.						
EW-2	EMERGENCY EYEWASH	1/2	1/2	1 1/4	-	PEDESTAL MOUNTED, STAINLESS STEEL BOWL	GUARDIAN G1760 PEDESTAL MOUNTED STAINLESS STEEL BOWL WITH 1/2" SLOAN ETF-470-A SINGLE CHECK VALVES ON HOT AND COLD LINES AND GUARDIAN G6620 THERMOSTATIC MIXING VALVE.						
EW-1	ELECTRIC WATER COOLER	1/2	-	2	1 1/2	ADA, DUAL STATION, BOTTLE FILLING STATION	ELECTRIC WATER COOLER, ELKAY EZH20 L25TLWBSPP DUAL STATION, WALL MOUNTED WITH BOTTLE FILLING STATION, BARRIER FREE, ADA ELECTRIC WATER COOLER WITH FLEXIBLE SAFETY BUBBLER, STAINLESS STEEL BOWLS AND CONTROL BUTTONS ON FRONT AND SIDES, COMPRESSOR TO BE 115V, 60 HZ WITH CAPACITY TO DELIVER AT LEAST 8.0 GPM OF 50°F WATER, 1-1/2" CAST BRASS CHROME-PLATED P-TRAPS. COORDINATE THE ADA SIDE WITH THE ARCHITECT.						

- (1) ALL UNDER GROUND WASTE AND VENT SHALL BE 2" OR GREATER PER DRAWINGS.
(2) PROVIDE SINK COMPLETE WITH ALL MOUNTED BED PAN WASHER WITH FOOT PEDAL CONTROLS

PLUMBING FIXTURE SCHEDULE (2 OF 2)							
ID	FIXTURE	CW (IN)	HW (IN)	W (IN)	V (IN)	DESCRIPTION	NOTES
FD-1	FLOOR DRAIN	-	-	2	1 1/2	FLOOR DRAIN	FLOOR DRAIN: SMITH FIGURE 2005V-P050 FLOOR DRAIN WITH CAST IRON BODY AND FLASHING COLLAR WITH 6-INCH ROUND NICKEL BRONZE ADJUSTABLE STRAINER HEAD WITH SECURED GRATE. PROVIDE TRAP GUARD TYPE TRAP SEAL DEVICE.
FD-2	MECH ROOM DRAIN	-	-	3	2	MECH ROOM	FLOOR DRAIN (MECHANICAL ROOM): SMITH 2220Y FLOOR DRAIN WITH CAST IRON BODY AND FLASHING COLLAR WITH 8" CAST IRON GRATE AND SEDIMENT BUCKET. NO-HUB CONNECTION. TRAP GUARD TYPE TRAP SEAL DEVICE.
SD-1	SHOWER DRAIN		2	1 1/2		SHOWER DRAIN	SHOWER DRAIN: SMITH 2005V-CP FLOOR DRAIN WITH CAST IRON BODY AND FLASHING COLLAR WITH 6-INCH SQUARE CHROME PLATED ADJUSTABLE STRAINER STRAINER HEAD WITH SECURED GRATE.
FS-1	FLOOR SINK	-	SEE PL.	1 1/2		FLOOR SINK	FLOOR SINK: SMITH FIGURE 3100Y CAST IRON FLANGED RECEPTOR WITH ACID RESISTANT INTERIOR COATING, NICKEL BRONZE RIM AND SECURED 1/2 GRATE AND ALUMINUM DOME BOTTOM STRAINER.
RD-1	ROOF DRAIN	-	SEE PL.	-		ROOF DRAIN	ROOF DRAIN: SMITH FIGURE 1010Y-R-C-DIP CAST IRON BODY WITH COMBINED FLASHING CLAMP AND CAST IRON GRAVEL STOP. CAST IRON DOME, EXTENSION, SUMP RECEIVER AND UNDERDECK CLAMP.
RD-0-1	ROOF DRAIN OVERFLOW	-	SEE PL.	-		ROOF DRAIN OVERFLOW	ROOF DRAIN: SMITH FIGURE 1080Y-R-C-DIP CAST IRON BODY WITH COMBINED FLASHING CLAMP AND CAST IRON GRAVEL STOP. CAST IRON DOME, EXTENSION, SUMP RECEIVER AND UNDERDECK CLAMP. 2" WATER DAM.
RD-2	ROOF DRAIN	-	SEE PL.	-		ROOF DRAIN	ROOF DRAIN: SMITH FIGURE 1330Y-R-C-DIP CAST IRON BODY WITH COMBINED FLASHING CLAMP AND CAST IRON GRAVEL STOP. CAST IRON DOME, EXTENSION, SUMP RECEIVER AND UNDERDECK CLAMP.
RD-0-2	ROOF DRAIN OVERFLOW	-	SEE PL.	-		ROOF DRAIN OVERFLOW	ROOF DRAIN: SMITH FIGURE 1330Y-R-C-DIP CAST IRON BODY WITH COMBINED FLASHING CLAMP AND CAST IRON GRAVEL STOP. CAST IRON DOME, EXTENSION, SUMP RECEIVER AND UNDERDECK CLAMP. 2" WATER DAM.
DSK-1	DOWN SPOUT NOZZLE	-	SEE PL.	-		DOWN SPOUT NOZZLE	DOWNSPOUT NOZZLE: SMITH 1770 DOWNSPOUT NOZZLE WITH CAST BRONZE BODY AND FLANGE.

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1 LEVEL 1 PLUMBING SITE PLAN
1" = 20'-0"



KEYNOTES

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Project #: 251000



**UTAH VALLEY SPORTS
PERFORMANCE CENTER**

PROJECT ADDRESS: WEST 880 NORTH 200 WEST PROVO, UTAH 84604

SEAL & SIGNATURE

KEY PLAN



REVISION NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
27487.000

DATE
8/26/2026

ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
**LEVEL 1 PLUMBING
SITE PLAN**

SHEET NO.

PS101

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SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
SITE ELECTRICAL AND COMMUNICATIONS UTILITIES	
	ELECTRIC LINE: THIN LINE: 1Ø = SINGLE PHASE, 2Ø = 2-PHASE, 3Ø = 3-PHASE, Ø = OVERHEAD, U = UNDERGROUND, P = PRIMARY, S = SECONDARY
	LIGHTNING ARRESTOR.
	UTILITY POLE.
	UTILITY, DISTRIBUTION SWITCH OR SWITCHING STATION.
	UTILITY, PRIMARY ELECTRICAL HAND HOLE.
	UTILITY SERVICES, MANHOLE.
	UTILITY, COMMUNICATIONS MANHOLE.
	UTILITY, ELECTRICAL MANHOLE.
	UTILITY, TELEPHONE MANHOLE.
	PRECAST CONCRETE, COMMUNICATION VAULT.
	PRECAST CONCRETE, ELECTRICAL VAULT.
	PRECAST CONCRETE, TELEPHONE VAULT.
	PRECAST CONCRETE, MANHOLE, TRANSFORMER VAULT.
	PRECAST CONCRETE, TRANSFORMER PAD.
	IN-GRADE PULLBOX, HAND HOLE. OPTIONS WITH SQUARE OR ROUND CORNERS. REFER TO PLANS AND EXTERIOR PULLBOX SCHEDULE FOR ADDITIONAL INFORMATION.
	SUBSTATION.
	TRANSFORMER.
ELECTRICAL POWER AND DISTRIBUTION	
	FUSE WITH RATING (ONE-LINE DIAGRAM).
	DISCONNECT, FUSED (ONE-LINE DIAGRAM).
	DISCONNECT, NONFUSED (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER WITH SHUNT TRIP (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, MOTOR CIRCUIT PROTECTION (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, ADJUSTABLE TRIP. "IAF" REPRESENTS FRAME RATING. "IAT" REPRESENTS TRIP UNIT. (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, ADJUSTABLE TRIP CURVE. L=LONG TIME CURVE ADJUSTMENT, S=SHORT TIME CURVE ADJUSTMENT, I=INSTANTANEOUS CURVE ADJUSTMENT. G=GROUND FAULT ADJUSTMENT FULLY COMPLIANT WITH NEC 210.13, 215.10 AND 230.95. (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, SOLID STATE WITH ARC ENERGY REDUCTION SYSTEM INCLUDING ENERGY REDUCING MAINTENANCE SWITCHING WITH LOCAL STATUS INDICATOR FULLY COMPLIANT WITH NEC 240.87 (ONE-LINE DIAGRAM).
	MOTOR.
	TRANSFORMER (ONE-LINE DIAGRAM).
	WYE CONNECTION (ONE-LINE DIAGRAM).
	DISTRIBUTION PANELBOARD, MOTOR CONTROL CENTER, PLUG-IN BUSWAY, MEDIUM VOLTAGE SWITCHBOARD (ONE-LINE DIAGRAM).
	PANELBOARD (ONE-LINE DIAGRAM).
	PANELBOARD WITH MAIN LUGS ONLY. BUS SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
	PANELBOARD WITH MAIN CIRCUIT BREAKER. SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
ELECTRICAL POWER AND DISTRIBUTION	
	PANELBOARD WITH MAIN AND SUB FEED CIRCUIT BREAKER (ONE-LINE DIAGRAM).
	PANELBOARD WITH MAIN LUGS ONLY AND SURGE PROTECTION WITH CIRCUIT BREAKER (ONE-LINE DIAGRAM).
	PANELBOARD WITH SUB FEED LUGS (ONE-LINE DIAGRAM).
	PANELBOARD WITH CIRCUIT BREAKER AND SUB FEED LUGS (ONE-LINE DIAGRAM).
	CT CABINET PER UTILITY'S REQUIREMENTS (ONE-LINE DIAGRAM).
	CT CABINET PER UTILITY'S REQUIREMENTS (ONE-LINE DIAGRAM).
	TRANSFER SWITCH (ONE-LINE DIAGRAM).
	DIGITAL MULTIMETER (ONE-LINE DIAGRAM).
	EARTH GROUND (ONE-LINE DIAGRAM).
	SERVICE ENTRANCE SURGE PROTECTION (ONE-LINE DIAGRAM).
	GENERATOR, ANNUNCIATOR (ONE-LINE DIAGRAM).
	PUSH BUTTON, REMOTE EMERGENCY STOP.
	GENERATOR, POWER (ONE-LINE DIAGRAM).
	KIRK-KEY MECHANICAL INTERLOCK (ONE-LINE DIAGRAM)
	METER.
	VARIABLE FREQUENCY MOTOR CONTROLLER (ONE-LINE DIAGRAM).
	DIODE (ONE-LINE DIAGRAM).
	DISCONNECT SWITCH, FUSED.
	DISCONNECT SWITCH, UNFUSED.
	STARTER, COMBINATION WITH DISCONNECT SWITCH.
	STARTER OR MOTOR CONTROLLER.
	PUSHBUTTON.
	PUSHBUTTONS, MOTOR CONTROL.
	PANELBOARD CABINET, FLUSH MOUNTED.
	PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.
	PANELBOARD CABINET, SURFACE MOUNTED, 2 SECTION.
	DISTRIBUTION PANEL OR SWITCHBOARD.
	LIGHTING RELAY, CONTACTOR PANEL, OR DIMMING ENCLOSURE.
	SWITCH, TOGGLE MOTOR STARTER WITH OVERLOAD PROTECTION.
	TRANSFORMER (SEE ONE-LINE FOR SIZE)
	RELAY CONTACT, NORMALLY CLOSED (ONE-LINE DIAGRAM).
	RELAY CONTACT, NORMALLY OPEN (ONE-LINE DIAGRAM).
	PUSHBUTTON, NORMALLY CLOSED (ONE-LINE DIAGRAM).
	PUSHBUTTON, NORMALLY OPEN (ONE-LINE DIAGRAM).
	SWITCH, MULTIPosition (ONE-LINE DIAGRAM).
	SWITCH, SINGLE BREAK (ONE-LINE DIAGRAM).
	GENERATOR ENGINE START MONITORING SYSTEM GENERATOR MODULE (ONE-LINE DIAGRAM).
	GENERATOR ENGINE START MONITORING SYSTEM ATS MODULE (ONE-LINE DIAGRAM).
	PHASE ROTATION MONITOR (ONE-LINE DIAGRAM).

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
LIGHTING	
	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
	FIXTURE IDENTIFICATION: EMERGENCY LIGHTING FIXTURE WITH BATTERY PACK AND/ OR GENERATOR AND/ OR CENTRALIZED INVERTER AND/ OR CENTRALIZED UPS CONNECTION AS INDICATED IN PLANS. (W-3E) INDICATES FIXTURE TYPE AS SCHEDULED.
	EGRESS DIRECTION ARROW (EXIT SIGNS).
	EXIT SIGN: SINGLE FACE; CEILING MOUNTED
	EXIT SIGN: SINGLE FACE; WALL MOUNTED
	EXIT SIGN: DOUBLE FACE; CEILING MOUNTED
	EXIT SIGN: DOUBLE FACE; WALL MOUNTED
LIGHTING CONTROL	
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL.
	VACANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
	VACANCY SENSOR, DUAL TECHNOLOGY, WALL.
	SWITCH/OCCUPANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
	SWITCH/VACANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
	DIMMER SWITCH/OCCUPANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
	DIMMER SWITCH/VACANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
	LOW VOLTAGE DIGITAL LIGHTING CONTROL SWITCH: LETTER "a,b" INDICATES ZONING WHERE SHOWN (REFER TO PLANS, SCHEDULES, AND DETAILS FOR EXACT BUTTON CONFIGURATION AND PROGRAMMING REQUIREMENTS)
	PHOTOCELL.
	PHOTOCELL, WALL MOUNTED.
	CEILING FAN.
	DIGITAL LIGHTING ROOM CONTROLLER
	DIGITAL LIGHTING DIMMING CONTROLLER
	DIGITAL PLUG LOAD CONTROLLER
	LIGHTING NETWORK SWITCH.
	LIGHTING NETWORK ROUTER.
	LIGHTING NETWORK SEGMENT MANAGER
	LIGHTING NETWORK BRIDGE
	LIGHTING EMERGENCY TRANSFER DEVICE
	LIGHTING SPACE CONTROL TYPE. X INDICATES TYPE. SEE SCHEDULE / DIAGRAM.
TWO-WAY COMMUNICATIONS	
	TWO-WAY COMMUNICATIONS MAIN CONTROL STATION (ANNUNCIATOR)
	TWO-WAY COMMUNICATIONS REMOTE CALL STATION

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
FIRE ALARM	
	FIRE ALARM ANNUNCIATOR PANEL.
	FIRE ALARM CONTROL PANEL, SEMI-RECESSED.
	FIRE ALARM TERMINAL CABINET: NAC, SLC, SPEAKER CIRCUITS; AMPLIFIERS, BATTERIES
	CONTROL PANEL FOR HVAC: SMOKE CONTROL, STAIR PRESSURIZATION.
	VOICE EVACUATION PANEL.
	PRE-ACTION CONTROL PANEL.
	REMOTE VOICE EVACUATION MICROPHONE.
	FIRE PUMP CONTROLLER.
	JOCKEY PUMP CONTROLLER.
	AUTOMATIC DOOR CLOSERS: DOOR CLOSERS SHALL BE FURNISHED WITH DOOR HARDWARE AND CONNECTED BY FIRE ALARM INSTALLER.
	CONTROL MODULE.
	MONITOR MODULE.
	FIRE ALARM MANUAL PULL STATION.
	SHUT DOWN RELAY: INSTALL RELAY IN CONTROL CIRCUIT OF EQUIPMENT TO BE CONTROLLED IN THE EVENT OF A FIRE.
	WATER FLOW SWITCH. FLOW SWITCHES SHALL BE PROVIDED AND INSTALLED BY FIRE SPRINKLER CONTRACTOR AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
	VALVE SUPERVISORY SWITCH, TAMPER SWITCH. TAMPER SWITCHES SHALL BE PROVIDED AND INSTALLED BY FIRE SPRINKLER CONTRACTOR AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
	PRESSURE SUPERVISORY SWITCH. PRESSURE SWITCHES SHALL BE PROVIDED AND INSTALLED BY FIRE SPRINKLER CONTRACTOR AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS..
	MAGNETIC DOOR HOLDER.
	DETECTOR, SMOKE.
	DETECTOR, SMOKE, WALL MOUNTED.
	DETECTOR, SMOKE, ELEVATOR RECALL DESIGNATION.
	DETECTOR, SMOKE, DUCT WITH HOUSING AND SAMPLING TUBE.
	SMOKE DAMPER, 120V POWER FROM ELECTRICAL SYSTEM.
	COMBINATION FIRE/SMOKE DAMPER, 120V POWER FROM ELECTRICAL SYSTEM.
	REMOTE ALARM INDICATING AND TEST SWITCH.
	DETECTOR, HEAT.
	DETECTOR, CARBON MONOXIDE.
	STROBE, WALL MOUNTED.
	STROBE, WALL MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, HORN/SPEAKER, WALL MOUNTED, WEATHERPROOF.
	ALARM, HORN/STROBE, WALL MOUNTED, ONE ASSEMBLY. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, CHIME/STROBE, WALL MOUNTED, ONE ASSEMBLY.
	ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	BELL, ELECTRIC, 120V FROM ELECTRICAL SYSTEM OR 24V FROM FIRE ALARM SYSTEM

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
CLOCK	
	CLOCK.
	CLOCK, SURFACE WITH WIRE GUARD.
TV DISTRIBUTION	
	TV DISTRIBUTION CABLE, INDIVIDUAL DROPS.
	TV DISTRIBUTION CABLE, TRUNK.
	COMBINER.
	DIRECTIONAL COUPLER.
	DISTRIBUTION AMPLIFIER (ONE-LINE DIAGRAM).
	SPLITTER (ONE-LINE DIAGRAM).
	TV OUTLET.
	SATELLITE ANTENNA.
	TV ANTENNA (ONE-LINE DIAGRAM).
	TERMINATOR, 75 OHM (TV DISTRIBUTION).
	HDMI RECEPTACLE WITH SINGLE GANG BACKBOX AND 1.25" CONDUIT STUBBED TO ACCESSIBLE CEILING. PROVIDE 2.1 HDMI CABLE BETWEEN HDMI RECEPTACLES. "X" INDICATES QUANTITY OF HDMI PORTS WHEN GREATER THAN 1.

HKS

ARCHITECT
HKS ARCHITECTS, INC.
90 SOUTH 400 WEST, #110
SALT LAKE CITY, UTAH 84101

CIVIL ENGINEER
GREAT BASIN ENGINEERING, INC.
5745 SOUTH 1475 EAST
OGDEN, UTAH 84403

LANDSCAPE ARCHITECT
MGB+A STUDIO
145 WEST 200 SOUTH
SALT LAKE CITY, UTAH 84101

STRUCTURAL ENGINEER
REAVELEY ENGINEERS
250 EAST 200 SOUTH, SUITE 1000
SALT LAKE CITY, UTAH 84111

M/P/FP ENGINEER
RESOLUT GROUP
181 EAST 5600 SOUTH, SUITE 200
MURRAY, UTAH 84107

E/T ENGINEER
LYNK ENGINEERS/ERS, INC.
324 SOUTH STATE STREET, SUITE 400
SALT LAKE CITY, UTAH 84111

**UTAH VALLEY SPORTS
PERFORMANCE CENTER**



SEAL & SIGNATURE

KEY PLAN

REVISION		
NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
27487.000
DATE
8/26/2026
ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
SYMBOLS LEGEND

SHEET NO.

EE002

CATEGORY INSERT COLOR SCHEDULE	
INSERT COLOR	TYPE/ APPLICATION
BLUE	ANALOG PHONE DEVICES
BLUE	DATA DEVICES
BLUE	SECURITY DEVICES
ORANGE	MONITORING DEVICES
ORANGE	NURSE CALL DEVICES
RED	FORESEER DEVICES
YELLOW	WIRELESS ACCESS POINT DEVICES

DATA PATCH CORD SCHEDULE		
(CATEGORY 6A F/UTP CABLES W/ RJ-45 CONNECTORS)		
LENGTH (FEET)	COLOR	QUANTITY
5	BLUE	50% OF TOTAL PORTS IN TDR'S
7	BLUE	40% OF TOTAL PORTS IN TDR'S
10	BLUE	5% OF TOTAL PORTS IN TDR'S
15	BLUE	5% OF TOTAL PORTS IN TDR'S

WIRELESS PATCH CORD SCHEDULE		
(CATEGORY 6A F/UTP CABLES W/ RJ-45 CONNECTORS)		
LENGTH (FEET)	COLOR	QUANTITY
5	YELLOW	50% OF TOTAL PORTS IN TDR'S
7	YELLOW	40% OF TOTAL PORTS IN TDR'S
10	YELLOW	5% OF TOTAL PORTS IN TDR'S
15	YELLOW	5% OF TOTAL PORTS IN TDR'S

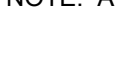
MONITORING PATCH CORD SCHEDULE		
(CATEGORY 6A F/UTP CABLES W/ RJ-45 CONNECTORS)		
LENGTH (FEET)	COLOR	QUANTITY
5	ORANGE	50% OF TOTAL PORTS IN TDR'S
7	ORANGE	40% OF TOTAL PORTS IN TDR'S
10	ORANGE	5% OF TOTAL PORTS IN TDR'S
15	ORANGE	5% OF TOTAL PORTS IN TDR'S

NURSE CALL PATCH CORD SCHEDULE		
(CATEGORY 6 UTP CABLES W/ RJ-45 CONNECTORS)		
LENGTH (FEET)	COLOR	QUANTITY
5	ORANGE	50% OF TOTAL PORTS IN TDR'S
7	ORANGE	40% OF TOTAL PORTS IN TDR'S
10	ORANGE	5% OF TOTAL PORTS IN TDR'S
15	ORANGE	5% OF TOTAL PORTS IN TDR'S

FIBER PATCH CORD SCHEDULE		
(SINGLE-MODE W/ LC CONNECTORS)		
LENGTH (METER)	COLOR	QUANTITY
3	YELLOW	4 PER TDR
5	YELLOW	4 PER TDR

EQUIPMENT/CABLE LIST

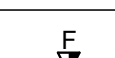
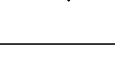
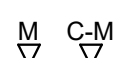
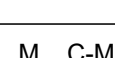
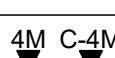
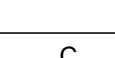
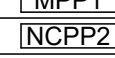
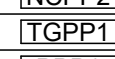
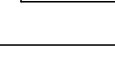
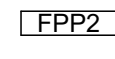
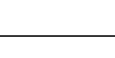
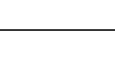
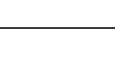
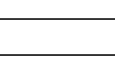
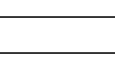
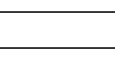
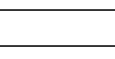
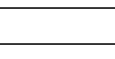
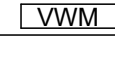
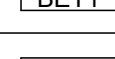
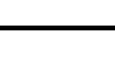
THE ITEMS INDICATED BELOW SHALL NOT BE CONSTRUED AS A "BILL OF MATERIALS". THIS LIST IDENTIFIES ITEMS OF SIGNIFICANCE USED DURING THE DESIGN OF THE CABLING INSTALLATION, WHERE THE ITEMS INDICATED ARE ONE PORTION OF AN ASSEMBLY, THE ENTIRE ASSEMBLY SHALL BE PROVIDED UNLESS OTHERWISE SPECIFIED. PROVIDE ALL MISCELLANEOUS HARDWARE AND SUPPORTS, WHICH MAY NOT BE LISTED HERE, FOR A COMPLETE INSTALLATION. COMPARE CATALOG NUMBERS WITH DESCRIPTIONS AND NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO BID. IF CATALOG NUMBERS DO NOT MATCH DESCRIPTIONS, THE DESCRIPTIONS TAKE PRECEDENCE. PROVIDE COMPLETE SUBMITTAL FOR APPROVAL PRIOR TO PURCHASING ANY EQUIPMENT OR CABLE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

SYMBOL	ITEM DESCRIPTION	ACCEPTABLE TYPES
	CABLE BASKET TRAY, GALVANIZED (REFER TO FLOOR PLANS FOR CABLE TRAY SIZING)	CABLOFIL, LEGRAND, WBT, OR COOPER B-LINE
	FIRE-RATED SLEEVES (2"x2" FOR ROOM PENETRATIONS, 4"x4" FOR J-HOOK PATHWAYS)	STI EZ PATH, HILT
	SMOKE/ ACOUSTICAL-RATED SLEEVES (2"x2" FOR ROOM PENETRATIONS, 4"x4" FOR J-HOOK PATHWAYS)	STI EZ PATH, HILT
	TRIPLE-TREE J-HOOKS (SPACE AT MAXIMUM 48" ON-CENTER)	CADDY CAT64HPSWM3
	PLYWOOD BACKBOARD, 3/4"x4"x8", GRADE AC, FIRE-TREATED & PAINTED WHITE (MOUNT 6" AFF)	
	TELECOMMUNICATIONS MAIN GROUNDING BUS BAR	

NOTE: ALL RACKS, LADDER, PATCH PANELS AND ACCESSORIES SHALL BE BLACK IN COLOR.

EQUIPMENT/CABLE LIST

THE ITEMS INDICATED BELOW SHALL NOT BE CONSTRUED AS A "BILL OF MATERIALS". THIS LIST IDENTIFIES ITEMS OF SIGNIFICANCE USED DURING THE DESIGN OF THE CABLING INSTALLATION, WHERE THE ITEMS INDICATED ARE ONE PORTION OF AN ASSEMBLY, THE ENTIRE ASSEMBLY SHALL BE PROVIDED UNLESS OTHERWISE SPECIFIED. PROVIDE ALL MISCELLANEOUS HARDWARE AND SUPPORTS, WHICH MAY NOT BE LISTED HERE, FOR A COMPLETE INSTALLATION. COMPARE CATALOG NUMBERS WITH DESCRIPTIONS AND NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO BID. IF CATALOG NUMBERS DO NOT MATCH DESCRIPTIONS, THE DESCRIPTIONS TAKE PRECEDENCE. PROVIDE COMPLETE SUBMITTAL FOR APPROVAL PRIOR TO PURCHASING ANY EQUIPMENT OR CABLE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

SYMBOL	ITEM DESCRIPTION	ACCEPTABLE TYPES
	FUTURE PATH MICRODUCT, 7-WAY W/ LOCATE WIRE, 12.7/10MM, ORANGE OUTER JACKET	DURALINE
	SMOOTH WALL HDPE INNERDUCT, 1.25" ORANGE	DURALINE OR EQUAL
	STATION CABLE - CATEGORY 6A F/UTP, RISER RATED, BLUE, DATA	SIEMON 9A6R4-A5-06-R1A
	STATION CABLE - CATEGORY 6A F/UTP, PLENUM RATED, BLUE, DATA	SIEMON 9A6P4-A5-06-R1A
	STATION CABLE - CATEGORY 6A F/UTP, RISER RATED, YELLOW, WIRELESS	SIEMON 9A6R4-A5-05-R1A
	STATION CABLE - CATEGORY 6A F/UTP, PLENUM RATED, YELLOW, WIRELESS	SIEMON 9A6P4-A5-05-R1A
	STATION CABLE - CATEGORY 6A F/UTP, RISER RATED, ORANGE, MONITORING	SIEMON 9A6R4A-A5-05-R1A
	STATION CABLE - CATEGORY 6A F/UTP, PLENUM RATED, ORANGE, MONITORING	SIEMON 9A6P4A-A5-05-R1A
	STATION CABLE - CATEGORY 6 UTP, RISER RATED, ORANGE, NURSE CALL	SIEMON 9C6R4-E3-09-RXB
	STATION CABLE - CATEGORY 6 UTP, PLENUM RATED, ORANGE, NURSE CALL	SIEMON 9C6P4-E3-09-RXA
	CATEGORY 6A F/UTP, RISER RATED, INDOOR/ OUTDOOR, TEAL	SIEMON 9A6W4-A5-12-R1A
	50 PAIR CATEGORY 3, RISER CABLE, GRAY	GENERAL CABLE 2133161 99 OR EQUAL
	50 PAIR CATEGORY 3, OSP RATED PE-89, BLACK, 22 AWG	GENERAL CABLE 7525637 OR EQUAL
	BUILDING ENTRANCE TERMINAL, 50-PAIR, 110 STYLE TERMINATION	CIRCA 1880ECAT-50
	FORESEER CABLE, 2 PAIR	BELDEN 88723
	FIBER OPTIC CABLE, SINGLE-MODE, 06 STRAND, ARMORED, PLENUM INDOOR/ OUTDOOR CABLE, BLACK	SIEMON 9B68P006D-E201A
	FIBER OPTIC CABLE, SINGLE-MODE, 06 STRAND, ARMORED, PLENUM CABLE, YELLOW	SIEMON 9B68P006D-E205A
	FIBER OPTIC CABLE, SINGLE-MODE, 12 STRAND, ARMORED, PLENUM INDOOR/ OUTDOOR CABLE, BLACK	SIEMON 9B68P012O-E201A
	FIBER OPTIC CABLE, SINGLE-MODE, 12 STRAND, ARMORED, PLENUM CABLE, YELLOW	SIEMON 9B68P012O-E205A
	FIBER OPTIC CABLE, SINGLE-MODE, 24 STRAND, ARMORED, PLENUM INDOOR/ OUTDOOR CABLE, BLACK	SIEMON 9B68P024L-E201A
	FIBER OPTIC CABLE, SINGLE-MODE, 24 STRAND, ARMORED, PLENUM CABLE, YELLOW	SIEMON 9B68P024L-E205A
	FIBER OPTIC CABLE, SINGLE-MODE, 48 STRAND, ARMORED, OUTDOOR CABLE, BLACK	SIEMON 9PFC048G-E201A
	FIBER OPTIC CABLE, SINGLE-MODE, 144 STRAND, ARMORED, OUTDOOR CABLE, BLACK	SIEMON 9PFC144G-E201A
	FIBER OPTIC CABLE, MULTI-MODE, OM3, 12 STRAND, ARMORED, RISER CABLE, AQUA	SIEMON 9B6S012O-TS-12A
	FIBER OPTIC CABLE, MINI XTEND, SINGLE-MODE, 24 STRAND, OSP, BLACK, MICRODUCT APPLICATION	CORNING 024ZM4-13F22A20
	FIBER OPTIC CABLE, SINGLE-MODE, 04 STRAND, 2 COND., 14AWG, INDOOR/ OUTDOOR CABLE, BLACK	CORNING 004ZDF-21X01M20
	VOICE OUTLET, SINGLE GANG FACEPLATE, WHITE W/ WALL HUNG PHONE MOUNTING STUDS, ONE POSITION W/ CATEGORY 6A INSERT	SIEMON MX-WP-Z6AS-SS
	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON 10GMX-FPS04-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	BLANK INSERT, WHITE	SIEMON MX-BL-02
	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON 10GMX-FPS04-02
	NOTE: FOR FLOOR BOX APPLICATIONS ONLY, USE DECORA FRAME	SIEMON MX-D4Z-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	BLANK INSERT, WHITE	SIEMON MX-BL-02
	DATA OUTLET, FURNITURE FACEPLATE, BLACK (F=FURNITURE MOUNTED)	SIEMON MX-UMA-01
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	BLANK INSERT, BLACK	SIEMON MX-BL-01
	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON 10GMX-FPS04-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	BLANK INSERT, WHITE	SIEMON MX-BL-02
	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON 10GMX-FPS04-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION (SS=STAINLESS STEEL)	SIEMON MX-FP-S-04-SS-L
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 2 POSITION	SIEMON MX-SM22-02
	CATEGORY 6A JACK - WIRELESS, YELLOW	SIEMON Z6A-S05
	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 1 POSITION (MAP=MONITORING ACCESS POINT)	SIEMON MX-SM21-02
	CATEGORY 6A JACK - MONITORING, ORANGE	SIEMON Z6A-S09
	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION (C=CEILING MOUNTED FACEPLATE)	SIEMON 10GMX-FPS04-02
	CATEGORY 6A JACK - MONITORING, ORANGE	SIEMON Z6A-S09
	BLANK INSERT, WHITE	SIEMON MX-BL-02
	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION (C=CEILING MOUNTED FACEPLATE)	SIEMON 10GMX-FPS04-02
	CATEGORY 6A JACK - MONITORING, ORANGE	SIEMON Z6A-S09
	BLANK INSERT, WHITE	SIEMON MX-BL-02
	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION (C=CEILING MOUNTED FACEPLATE)	SIEMON 10GMX-FPS04-02
	CATEGORY 6A JACK - MONITORING, ORANGE	SIEMON Z6A-S09
	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 1 POSITION	SIEMON MX-SM21-02
	CATEGORY 6A JACK - TOTGUARD DATA, ORANGE	SIEMON Z6A-S09
	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 1 POSITION	SIEMON MX-SM21-02
	CATEGORY 6A JACK - TOTGUARD DATA, ORANGE	SIEMON Z6A-S09
	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 1 POSITION (SEC=SECURITY DEVICE)	SIEMON MX-SM21-02
	CATEGORY 6A JACK - SECURITY, BLUE	SIEMON Z6A-S06
	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 2 POSITION (SEC=SECURITY DEVICE, F=FIBER)	SIEMON MX-SM22-02
	FIBER INSERT, DUPLEX LC, SINGLE-MODE	SIEMON MX-F1-LC-U-02C
	DUPLEX PHOENIX POWER CONNECTOR	CORNING 1LAN-D600-SPK-WH
	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 2 POSITION (C=CEILING MOUNTED BOX)	SIEMON MX-SM22-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE (POSITION DICTATED BY DROP QUANTITY)	SIEMON
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	BLANK INSERT, WHITE	SIEMON MX-BL-02
	("D# " = DATA DROP QUANTITY. REFER TO FLOOR PLANS AND FLOORBOX SCHEDULE/ POKE-THRU SCHEDULE FOR EXACT DATA DROP QUANTITY AND FACEPLATE GANG SIZE.)	
	BLANK FILLER PANEL, 1RU FLAT PANEL, BLACK	SIEMON PNL-BLNK-1
	48 PORT, 2RU FLAT PATCH PANEL, 110 STYLE TERMINATION	SIEMON UP6-F2-48L-RS
	48 PORT, 1RU ANGLED PATCH PANEL W/ OUTLETS - DETACHABLE REAR MANAGER	SIEMON Z6AS-PA-48
	48 PORT, 1RU ANGLED PATCH PANEL W/ OUTLETS - DETACHABLE REAR MANAGER	SIEMON Z6AS-PA-48
	48 PORT, 2RU ANGLED PATCH PANEL W/ OUTLETS	SIEMON UP6-A2-48L-RS
	48 PORT, 2RU FLAT PATCH PANEL W/ OUTLETS	SIEMON UP6-F2-48L-RS
	48 PORT, 1RU ANGLED PATCH PANEL W/ OUTLETS	SIEMON Z6AS-PA-48
	24 PORT, 1RU FLAT PATCH PANEL, 110 STYLE TERMINATION	SIEMON UP6-F1-24L-RS
	FIBER PATCH PANEL, LIGHTVERSE, 1RU, BLACK (FOR CABINET TERMINATION)	SIEMON LVE-1U-MD-P01A
	SIX POSITION, 12 STRAND, FIBER SPLICE MODULE, LC, SINGLE-MODE	SIEMON LVS12-LSUARUA1A
	BLANK ADAPTER PLATE, LIGHTVERSE, BLACK	SIEMON LVA-BLANK-01A
	FIBER PATCH PANEL, LIGHTVERSE, 2RU, BLACK	SIEMON LVE-2U-MD-P01A
	SIX POSITION, 12 STRAND, FIBER SPLICE MODULE, LC, SINGLE-MODE	SIEMON LVS12-LSUARUA1A
	BLANK ADAPTER PLATE, LIGHTVERSE, BLACK	SIEMON LVA-BLANK-01A
	FIBER PATCH PANEL, WALL MOUNT, BLACK (FOR FIRE ALARM)	SIEMON LWV-M1-01
	SIX POSITION, 12 STRAND, FIBER SPLICE MODULE, LC, SINGLE-MODE	SIEMON LVS12-LSUARUA1A
	BLANK ADAPTER PLATE, LIGHTVERSE, BLACK	SIEMON LVA-BLANK-01A
	FIBER PATCH PANEL, WALL MOUNT, BLACK (FOR STERIS)	SIEMON LWV-F4-01
	SIX POSITION, 12 STRAND, FIBER SPLICE MODULE, SC	SIEMON LVS12-SC-PYRAB1A
	BLANK ADAPTER PLATE, LIGHTVERSE, BLACK	SIEMON LVA-BLANK-01A
	PATCH CABLE, CATEGORY 6A SHIELDED, BLUE, 5 FOOT	SIEMON SP6A-S05-06
	PATCH CABLE, CATEGORY 6A SHIELDED, BLUE, 7 FOOT	SIEMON SP6A-S07-06
	PATCH CABLE, CATEGORY 6A SHIELDED, BLUE, 10 FOOT	SIEMON SP6A-S10-06
	PATCH CABLE, CATEGORY 6A SHIELDED, BLUE, 15 FOOT	SIEMON SP6A-S15-06
	PATCH CABLE, CATEGORY 6A SHIELDED, YELLOW, 5 FOOT	SIEMON SP6A-S05-05
	PATCH CABLE, CATEGORY 6A SHIELDED, YELLOW, 7 FOOT	SIEMON SP6A-S07-05
	PATCH CABLE, CATEGORY 6A SHIELDED, YELLOW, 10 FOOT	SIEMON SP6A-S10-05
	PATCH CABLE, CATEGORY 6A SHIELDED, YELLOW, 15 FOOT	SIEMON SP6A-S15-05
	PATCH CABLE, CATEGORY 6A SHIELDED, ORANGE, 5 FOOT	SIEMON SP6A-S05-09
	PATCH CABLE, CATEGORY 6A SHIELDED, ORANGE, 7 FOOT	SIEMON SP6A-S07-09
	PATCH CABLE, CATEGORY 6A SHIELDED, ORANGE, 10 FOOT	SIEMON SP6A-S10-09
	PATCH CABLE, CATEGORY 6A SHIELDED, ORANGE, 15 FOOT	SIEMON SP6A-S15-09
	PATCH CABLE, CATEGORY 6, BLUE, 5 FOOT - FOR COPPER BACKBONE PATCH	SIEMON MC6-05-06-28
	PATCH CABLE, CATEGORY 6, BLUE, 7 FOOT - FOR COPPER BACKBONE PATCH	SIEMON MC6-07-06-28
	PATCH CABLE, CATEGORY 6, BLUE, 10 FOOT - FOR COPPER BACKBONE PATCH	SIEMON MC6-10-06-28
	PATCH CABLE, CATEGORY 6, ORANGE, 5 FOOT - NURSE CALL ONLY	SIEMON MC6-05-09-28
	PATCH CABLE, CATEGORY 6, ORANGE, 7 FOOT - NURSE CALL ONLY	SIEMON MC6-07-09-28
	PATCH CABLE, CATEGORY 6, ORANGE, 10 FOOT - NURSE CALL ONLY	SIEMON MC6-10-09-28
	PATCH CABLE, CATEGORY 6, ORANGE, 15 FOOT - NURSE CALL ONLY	SIEMON MC6-15-09-28
	PATCH CABLE, FIBER, SINGLE-MODE DUPLEX W/ LC CONNECTORS, YELLOW, (XX)=LENGTH IN METERS	SIEMON FJ2-LCULCUL-(XX)
	PATCH CABLE, FIBER, MULTI-MODE DUPLEX W/ LC CONNECTORS, AQUA, (XX)=LENGTH IN METERS	SIEMON FJ2-LCULCUL-(XX)AQ
	HORIZONTAL WIRE MANAGERS, 4RU, BLACK	PANDUIT PR2HF4
	HORIZONTAL WIRE MANAGERS, FRONT ONLY, 2RU, BLACK	PANDUIT PR2HF2
	VERTICAL WIRE MANAGERS, 10" WIDTH, 8 FEET HIGH, DOUBLE SIDED, BLACK	CHATSWORTH 40096-715
	BUILDING ENTRANCE TERMINAL, CATEGORY 6A, 110 STYLE TERMINATION	SURGE GATE CAT6A-LAN
	BUILDING ENTRANCE TERMINAL, CATEGORY 6A, POE, 110 STYLE TERMINATION	SURGE GATE CAT6A-75-POE RJ45
	EQUIPMENT RACK 19" WIDTH, 8 FEET HIGH, 62 RU, BLACK	CHATSWORTH 55053-715
	CABLE RUNWAY - 24", BLACK WITH ALL REQUIRED MOUNTING ACCESSORIES	CHATSWORTH 10250-724
	CABLE RUNWAY - 18", BLACK WITH ALL REQUIRED MOUNTING ACCESSORIES	CHATSWORTH 10250-718
	BUTT SPLICE KIT, BLACK	CHATSWORTH 11301-701
	JUNCTION SPLICE KIT, BLACK	CHATSWORTH 11302-701
	FOOT KIT, BLACK	CHATSWORTH 11309-701
	6" CHANNEL RACK TO RUNWAY, BLACK	CHATSWORTH 12409-724
	18" TRIANGLE BRACKETS, BLACK	CHATSWORTH 11746-718
	24" TRIANGLE BRACKETS, BLACK	CHATSWORTH 11746-724
	END CLOSING KIT, CABLE RUNWAY, BLACK	CHATSWORTH 11703-724
	18" WALL ANGLE SUPPORT KIT, CABLE RUNWAY, BLACK	CHATSWORTH 11421-718
	24" WALL ANGLE SUPPORT KIT, CABLE RUNWAY, BLACK	CHATSWORTH 11421-724
	CABLE RUNWAY ELEVATION KIT, 6"	CHATSWORTH 10506-706
	CABLE RUNWAY RADIUS DROP	CHATSWORTH 12100-712

GENERAL TELECOM NOTES

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LANDSCAPE ARCHITECT

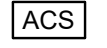
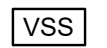
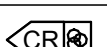
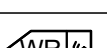
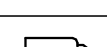
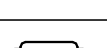
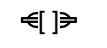
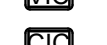
MGB+A STUDIO
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STRUCTURAL ENGINEER

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SALT LAKE CITY, UTAH 84111

M/P/FP ENGINEER

RESOLUT GROUP
181 EAST 5600 SOUTH, SUITE 200
MURRAY, UTAH 84107

SYMBOL SCHEDULE			
SYMBOL	DESCRIPTION	ROUGH-IN REQUIREMENTS	NOTES
	ACCESS CONTROL SYSTEM HEAD END	SEE EY651	
	INTRUSION DETECTION SYSTEM HEAD END	SEE EY651	
	VIDEO SURVEILLANCE SYSTEM HEAD END	SEE EY651	
	CARD READER	4SQ J-BOX W/SINGLE GANG MUD RING AT 40" AFF; 0.75" CONDUIT TO ACS	
	CARD READER MULLION MOUNTED	AT 40" AFF; SEE DETAILS	
	CARD READER POE	4SQ J-BOX W/SINGLE GANG MUD RING AT 40" AFF; 0.75" CONDUIT TO ACS	
	CARD READER WITH KEYPAD	4SQ J-BOX W/SINGLE GANG MUD RING AT 40" AFF; 0.75" CONDUIT TO ACS	
	BIOMETRIC CARD READER	4SQ J-BOX W/SINGLE GANG MUD RING AT 40" AFF; 0.75" CONDUIT TO ACS	
	ANTI-LIGATURE CARD READER	4SQ J-BOX W/SINGLE GANG MUD RING AT 40" AFF; 0.75" CONDUIT TO ACS	
	CARD READER LEVER SET AND LOCK DEVICE	CABLING ROUTED THROUGH DOOR AND TRANSFER HINGE	
	WIRELESS CARD READER		
	SINGLE-IMAGER SURVEILLANCE CAMERA	REFER TO DETAIL XX/EYXXX	REFER TO TELECOM FOR CABLING
	DUAL-IMAGER SURVEILLANCE CAMERA	REFER TO DETAIL XX/EYXXX	REFER TO TELECOM FOR CABLING
	MULTI-IMAGER SURVEILLANCE CAMERA	REFER TO DETAIL XX/EYXXX	REFER TO TELECOM FOR CABLING
	PANORAMIC 360°/180° SURVEILLANCE CAMERA	REFER TO DETAIL XX/EYXXX	REFER TO TELECOM FOR CABLING
	PTZ MULTI-IMAGER SURVEILLANCE CAMERA	REFER TO DETAIL XX/EYXXX	REFER TO TELECOM FOR CABLING
	PTZ SURVEILLANCE CAMERA	REFER TO DETAIL XX/EYXXX	REFER TO TELECOM FOR CABLING
	DOOR LOCK TYPE (NO LETTER) - GENERIC LOCK (M) - MAG LOCK (L) - LEVER SET LOCK (S) - ELECTRIC STRIKE LOCK (C) - CRASH BAR LOCK (O) - AUTO OPERATOR (G) - GATE	SEE DOOR ROUGH IN DETAIL EY551	
	DOOR CONTACT INDICATOR	SEE DOOR ROUGH IN DETAIL EY551	
	DOOR CONTACT INDICATOR - HIGH SECURITY (HS)	SEE DOOR ROUGH IN DETAIL EY551	
	REQUEST TO EXIT DEVICE (NO LETTER) - GENERIC REX (M) - MOTION REX (L) - LEVER SET REX (C) - CRASH BAR REX (D) - DELAYED EGRESS REX	SEE DOOR ROUGH IN DETAIL EY551	
	INTERCOM STATION	4SQ J-BOX W/SINGLE GANG MUD RING AT 48" AFF; 1" CONDUIT	REFER TO TELECOM FOR CABLING
	VIDEO INTERCOM STATION		
	CARD ACCESS INTERCOM STATION		
	INTERCOM MASTER STATION	4SQ J-BOX W/SINGLE GANG MUD RING AT 18" AFF UNDER COUNTER/DESK; 1" CONDUIT	REFER TO TELECOM FOR CABLING
	360° MOTION DETECTOR - CEILING MOUNTED	SINGLE GANG J-BOX; 0.75" CONDUIT	
	MOTION DETECTOR - WALL MOUNTED	SINGLE GANG J-BOX; 0.75" CONDUIT	
	MOTION DETECTOR - CORNER MOUNTED	STUB CONDUIT INTO WALL SPACE; 0.75" CONDUIT PENETRATION INTO CORNER OF WALL	
	SIREN	SINGLE GANG J-BOX; 0.75" CONDUIT	
	CONTROL BUTTON (PB) - PANIC BUTTON (LB) - LOCK DOWN (DR) - DOOR RELEASE (T) - TRANSMITTER (R) - RECEIVER	SEE DETAIL, MOUNT UNDER DESK, COORDINATE EXACT LOCATION WITH OWNER	
	WORKSTATION		COORDINATE POWER AND DATA ADJACENT TO LOCATION INDICATED ON PLANS.
	DESKTOP MONITOR FOR WORKSTATION: "XX" - MONITOR SIZE; COORDINATE WITH OWNER.		COORDINATE POWER ADJACENT TO LOCATION INDICATED ON PLANS.
	WALL MOUNTED MONITOR FOR VIDEO SURVEILLANCE AND SECURITY: "XX" - MONITOR SIZE; COORDINATE WITH OWNER.	CHIEF PAC525, PROVIDE WITH POWER IN ONE SIDE AND DATA IN OTHER SIDE. PROVIDE 1-1/4" C TO 4-11/16" BOX AT 18" AFF FOR MONITOR CABLE PASS THROUGH ADJACENT TO POWER AND DATA SERVING WORKSTATION.	HDMI OR DISPLAY PORT TO LOCAL WORKSTATION.

SECURITY CAMERA SCHEDULE												
CAMERA ID:			NOTES:					GENERAL NOTES:				
CAMERA TYPE		MOUNT	RATING	* CAMERA HAS CAPABILITY OF AUDIO OR NO AUDIO					1. ELECTRICAL CONTRACTOR SHALL REVIEW OTHER DIVISION DRAWINGS FOR ANY ADDITIONAL REQUIREMENTS PRIOR TO BID.			
X = FIXED D = DUAL-IMAGER M = MULTI-IMAGER F = FISHEYE P = PTZ Z = PTZ+MULTI-IMAGER		C = CEILING SW = SURFACE WALL W = WALL N = CORNER P = PARAPET L = POLE T = PENDANT IN = INSIDE CORNER	O = OUTDOOR I = INDOOR						2. ELECTRICAL CONTRACTOR SHALL REVIEW OTHER DIVISION SUBMITTALS FOR ANY EQUIPMENT REQUIRING CONNECTION BY ELECTRICAL CONTRACTOR AND COORDINATE ALL REQUIREMENTS PRIOR TO ROUGH-IN.			
ID	DESCRIPTION			IR	WDR	AUDIO	VANDAL	LOCATION	IP RATING	MANUFACTURER (SERIES)	NOTES	
XSWI	TYPE: 4 MP FIXED MOUNTING: SURFACE WALL FOCAL LENGTH: 2.4mm RESOLUTION: 2688 x 1512 FRAME RATE: 25/30 OPTIONS: NONE			NO	YES	NO*	IK08	INDOOR	IP42	AXIS - M3086-V		

- GENERAL AUXILIARY NOTES
- 1

PROVIDE PLENUM RATED CABLE FOR ALL SPECIFIED CABLE.
- 2

LABEL ALL CABLE INSTALLED UNDER THIS CONTRACT REGARDLESS OF LENGTH, ACCORDING TO WRITTEN SPECIFICATION.
- 3

THE EQUIPMENT LABELING IDENTIFIED ON DETAILS IN THESE DRAWINGS ARE EXAMPLES ONLY OF THE ACTUAL LABELING WHICH IS REQUIRED AS PART OF THIS CONTRACT. PRIOR TO FABRICATION, SUBMIT THE NOMENCLATURE FOR ALL LABELS TO THE OWNER FOR REVIEW. THIS REQUIREMENT INCLUDES BUT IS NOT LIMITED TO ALL CABLE LABELING, AND ALL EQUIPMENT LABELING.
- 4

COORDINATE WITH ALL SUBS TO ENSURE THAT ALL CABLE SHALL BE PROTECTED FROM ANY DIRECT PAINT OR INCIDENTAL OVERSPRAY.
- 5

CONTRACTOR SHALL REVIEW ALL DOOR HARDWARE ROUGH-IN INFORMATION AGAINST THE DOOR HARDWARE SPECIFICATION AND DOOR HARDWARE SCHEDULE TO VERIFY DOOR ROUGH-IN PRIOR TO CONSTRUCTION.
- 6

AIM CAMERAS, BACK FOCUS AND DEMONSTRATE VIEW TO OWNERS SATISFACTION, RE-AIM AND FOCUS AS REQUESTED BY OWNER.
- 7

CONNECT INTERCOM SYSTEM TO ACCESS CONTROL SYSTEM FOR REMOTE ENTRY. COORDINATE OPERATION WITH OWNER.

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Intermountain
Health

UTAH VALLEY SPORTS
PERFORMANCE CENTER

PROJECT ADDRESS: WEST 1880 NORTH, 200 WEST PROVID, UTAH 84604

SEAL & SIGNATURE

KEY PLAN

REVISION
NO. | DESCRIPTION | DATE

HKS PROJECT NUMBER
27487.000

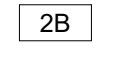
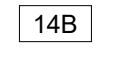
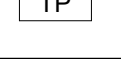
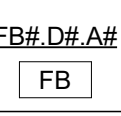
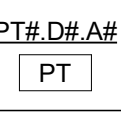
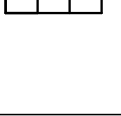
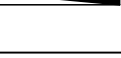
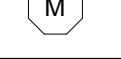
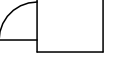
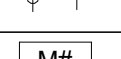
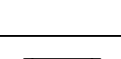
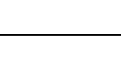
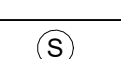
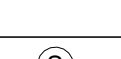
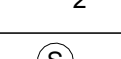
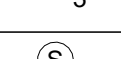
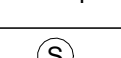
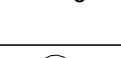
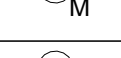
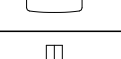
DATE
8/26/2026

ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
AUXILIARY SCHEDULES
AND NOTES

SHEET NO.
EE004

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AV RACEWAY SYSTEMS SCHEDULE		
SYMBOL	DESCRIPTION	MOUNTING (UNLESS OTHERWISE NOTED ON DRAWINGS)
	4-11/16" BOX, MAXIMUM DEPTH FOR STUD SPACE, W/ 2-GANG MUD RING, COVER EACH JUNCTION BOX WITH A BLANK PLATE.	RECESSED IN WALL/MILLWORK AT ELECTRICAL OUTLET HEIGHT UNLESS NOTED OTHERWISE ON DRAWINGS
	14.5" SQUARE JUNCTION BOX W/ COVER	RECESSED IN WALL AT 8" AFF TO THE BOTTOM OF THE BOX
	4-11/16" BOX, MAXIMUM DEPTH FOR STUD SPACE, W/ 2-GANG MUD RING, COVER EACH JUNCTION BOX WITH A BLANK PLATE.	RECESSED IN WALL AT ELECTRICAL SWITCH HEIGHT
 FB# = FLOORBOX, RECTANGULAR COVER, GANGS DH = DATA CABLES AH = AV GANGS	FLUSH FLOOR BOX "F" SHOWN ON DRAWINGS. REFER TO ELECTRICAL SCHEDULES FOR REQUIREMENTS.	FLUSH MOUNTED IN FINISHED FLOOR
 FB# = FLOORBOX, RECTANGULAR COVER, GANGS DH = DATA CABLES AH = AV GANGS	FLOOR BOX RISER DIAGRAM SYMBOL.	
 PT# = POKE-THRU GANGS DH = DATA CABLES AH = AV GANGS	FLUSH FIRE RATED POKE THRU "F" SHOWN ON DRAWINGS. REFER TO ELECTRICAL SCHEDULES FOR REQUIREMENTS.	
 PT# = POKE-THRU GANGS DH = DATA CABLES AH = AV GANGS	POKE THRU RISER DIAGRAM SYMBOL.	FLUSH MOUNTED IN FINISHED FLOOR
	LADDER RACK, 18" WIDE WITH ALL REQUIRED MOUNTING ACCESSORIES, SIDE DROP, END CAPS, ETC., MIDDLE ATLANTIC CLB-10-W18 / CLH-RSJ / CLB-TSB-W18 / CLH-HTS / CLH-ED11 / CLH-ARD-18 / CLH-RWC / CLH-RES / CLH-WRS-W18 / CLH-EC-18	AFFIXED TO WALL
	3/4" PLYWOOD, FIRE TREATED AND PAINTED, SEE SPECIFICATIONS	SURFACE MOUNTED TO WALL
	RACEWAY, 3/4" MINIMUM, SEE DIV. 26 FOR FULL REQUIREMENTS. REFER TO RISER DIAGRAMS FOR EXACT SIZES	CONCEALED BEHIND FINISHED SURFACES
	CONDUIT STUB W/ NYLON BUSHING FOR CEILING MOUNTED MICROPHONE	STUB TO WITHIN 12" OF T-BAR GRID ELEVATION
	AV EQUIPMENT RACK, FURNISHED AND INSTALLED BY THE AV CONTRACTOR	FLOOR
	AV EQUIPMENT RACK, FURNISHED AND INSTALLED BY THE AV CONTRACTOR	WALL
	VOICE/DATA EQUIPMENT RACK, FURNISHED AND INSTALLED BY THE VOICE/DATA CONTRACTOR	FLOOR
	CONDUIT STUB W/ NYLON BUSHING	
	LARGE CAPACITY JUNCTION BOX W/ FRAME & COVER, CHIEF PAC 526 FCW (FOR MONITORS)	RECESSED IN THE WALL, CENTERED HORIZONTALLY AND VERTICALLY BEHIND MONITORS WHERE SHOWN IN ARCHITECTURAL ELEVATIONS
	JUNCTION BOX, 1-GANG, FOR EMITTER PANEL	RECESSED IN THE WALL AT APPROXIMATELY 12" BELOW THE FINISHED CEILING
	JUNCTION BOX, 4-11/16" BOX W/ 2-GANG MUD RING, FOR CAMERA	RECESSED IN THE WALL AT 96" AFF
	JUNCTION BOX, 4-11/16" BOX W/ 1-GANG MUD RING, FOR CAMERA	RECESSED INTO THE FINISHED CEILING
	GUTTER, APPROXIMATELY 8" X 8" X LENGTH REQUIRED FOR COMPLIANCE WITH NEC TO TERMINATE THE SPECIFIED CONDUIT, WITH HINGED COVER	ABOVE THE LAY-IN CEILING AT AN EASILY ACCESSIBLE LOCATION
	GROUND BUS BAR, 4" X 12" X .25", COPPER W/ WALL MOUNT BRACKET, CHATSWORTH 10622-012	SURFACE MOUNTED TO WALL WHERE SHOWN IN DETAILS
	#6 THHN W/ GREEN INSULATION	
	SPEAKER ENCLOSURE FOR FULL RANGE COAXIAL SPEAKER, 6.5" DIAMETER LF AND DOME TWEETER HF, W/ MOUNTING ACCESSORIES REQUIRED FOR CEILING TYPE	RECESSED IN FINISHED CEILING
	JUNCTION BOX, 2-GANG, FOR FULL RANGE PENDENT MOUNTED, FULL RANGE SPEAKER	MOUNTED TO STRUCTURE ABOVE
	SPEAKER ENCLOSURE, FOR SUB WOOFER, 8" DRIVER W/MOUNTING ACCESSORIES REQUIRED FOR CEILING TYPE	RECESSED IN FINISHED CEILING
	JUNCTION BOX, 2-GANG, FOR SUB WOOFER PENDENT MOUNTED, FULL RANGE SPEAKER	MOUNTED TO STRUCTURE ABOVE
	SPEAKER ENCLOSURE FOR FULL RANGE COAXIAL SPEAKER, 8" DIAMETER LF AND COMPRESSION DRIVER HF, W/ MOUNTING ACCESSORIES REQUIRED FOR CEILING TYPE	RECESSED IN FINISHED CEILING
	CONDUIT STUB WITH NYLON BUSHING FOR MASKING SPEAKER EMITTER	RECESSED IN FINISHED CEILING
	JUNCTION BOX, 1-GANG FOR WALL-MOUNTED, FULL RANGE STEERABLE LINE ARRAY SPEAKER	RECESSED IN THE WALL
	JUNCTION BOX, 1-GANG, FOR WALL-MOUNTED, FULL RANGE GENERAL MEDIA SPEAKER	RECESSED IN THE WALL
	JUNCTION BOX, 4-11/16" BOX W/ 2-GANG MUD RING, FOR PROJECTOR	FLUSH IN FINISHED CEILING INSTALLED WITHIN 6" OF THE PROJECTOR MOUNT
	PROJECTION SCREEN, FURNISHED AND INSTALLED BY THE AV CONTRACTOR	FLUSH IN FINISHED CEILING

AV ROUGH-IN SHEET INDEX	
EJ101	LEVEL 1 AV ROUGH-IN PLAN
EJ601	AV ROUGH-IN SCHEDULES

GENERAL PROJECT AV NOTES	
1.	IF THE BOXES, ENCLOSURES, & CABINETS SPECIFIED ARE NOT PROVIDED FROM THE MANUFACTURER WITH THE REQUIRED KNOCK OUTS FOR THE SPECIFIED CONDUIT, FIELD CUT ALL REQUIRED KNOCK OUTS TO TERMINATE THE QUANTITY AND SIZES OF THE SPECIFIED CONDUITS.
2.	MAINTAIN MAXIMUM SEPARATION BETWEEN AV SYSTEM CONDUIT AND ALL POWER CONDUIT.
3.	INSTALL NYLON PULL STRINGS IN ALL AV SYSTEM CONDUIT.
4.	INSTALL ALL CONDUIT IN A CONCEALED FASHION. SURFACE MOUNTED CONDUIT WILL NOT BE ACCEPTED UNLESS SPECIFICALLY IDENTIFIED IN DRAWINGS.
5.	IDENTIFY ALL CONDUIT, BOXES, AND PULL STRINGS IN COMPLIANCE WITH THE SPECIFICATIONS.
6.	ABBREVIATIONS: AFF - ABOVE FINISHED FLOOR C - CONDUIT (EMT) EA - EACH TYP - TYPICAL
7.	COVER ALL INSTALLED JUNCTION BOXES, FLOOR BOX OPENINGS, AND SURFACE RACEWAY DEVICE PLATES WITH BLANK COVERS.
8.	FIRE STOP ALL PENETRATIONS THROUGH FIRE RATED SURFACES.
9.	FURNISH AND INSTALL ELECTRIC METALLIC TUBE (EMT) CONDUIT. DO NOT PROVIDE FLEXIBLE CONDUIT.
10.	INSTALL ALL RACEWAY SYSTEM EQUIPMENT IN COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS, INDUSTRY-WIDE ACCEPTED RIGGING PRACTICES AND THE SEISMIC DESIGN CODES AND STANDARDS APPLICABLE TO THE SEISMIC DESIGN CATEGORY FOR THE BUILDING GEOGRAPHICAL LOCATION. DURING THE SUBMITTAL PROCESS, PROVIDE SHOP DRAWINGS WHICH DETAIL PROPOSED MOUNTING SOLUTIONS.
11.	INSTALL ALL RACEWAY SYSTEMS IN COMPLIANCE WITH ANSI/EIA/TIA 569-B WHICH INCLUDES, BUT IS NOT LIMITED TO, ANY CONDUIT HAVING NO MORE THAN TWO 90 DEGREE BENDS.
12.	INSTALL ALL CONDUIT USING THE SHORTEST POSSIBLE ROUTE BETWEEN THE ORIGIN AND DESTINATION POINTS.
13.	REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT PLACEMENT AND COORDINATION OF ALL CEILING MOUNTED FIXTURES AND DEVICES.

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Intermountain Health
UTAH VALLEY SPORTS
PERFORMANCE CENTER

SEAL & SIGNATURE

KEY PLAN

REVISION		
NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
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DATE
8/26/2026
ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
**AV ROUGH-IN
SCHEDULE AND
GENERAL NOTES**

SHEET NO.

EE005

DAS SYSTEMS EQUIPMENT & CABLE LIST					
THE ITEMS INDICATED BELOW SHALL NOT BE CONSTRUED AS A "BILL OF MATERIALS". THIS LIST IDENTIFIES ITEMS OF SIGNIFICANCE USED DURING THE DESIGN OF THE CABLING INSTALLATION. WHERE THE ITEMS INDICATED ARE ONE PORTION OF AN ASSEMBLY, THE ENTIRE ASSEMBLY SHALL BE PROVIDED UNLESS SPECIFIED OTHERWISE. PROVIDE ALL MISCELLANEOUS HARDWARE AND SUPPORTS WHICH MAY NOT BE LISTED HERE, FOR A COMPLETE INSTALLATION. COMPARE CATALOG NUMBERS WITH DESCRIPTIONS AND NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO BID. IF CATALOG NUMBERS DO NOT MATCH DESCRIPTIONS, THE DESCRIPTIONS TAKE PRECEDENCE. PROVIDE COMPLETE SUBMITTAL FOR APPROVAL PRIOR TO PURCHASING ANY EQUIPMENT OR CABLE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.					
IDEN	TYPE	MANUFACTURER	MODEL	DESCRIPTION	LOCATION

ABBREVIATIONS			
NOTE: ALL ABBREVIATIONS MAY NOT BE USED.			
2G	SECOND GENERATION MOBILE TELECOMMUNICATIONS	MCB	MAIN CIRCUIT BREAKER
3G	THIRD GENERATION MOBILE TELECOMMUNICATIONS	MIMO	MULTIPLE INPUT / MULTIPLE OUTPUT
4G	FOURTH GENERATION MOBILE TELECOMMUNICATIONS	MIN	MINIMUM
5G	FIFTH GENERATION MOBILE TELECOMMUNICATIONS	NEC	NATIONAL ELECTRICAL CODE
A	AUGMENTED	NEC	NATIONAL ELECTRICAL CODE
AHJ	AUTHORITY HAVING JURISDICTION	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
AMPS	ADVANCED MOBILE PHONE SERVICE	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
ANN	ANNUNCIATOR	NIC	NOT IN CONTRACT
BICSI	BUILDING INDUSTRY CONSULTING SERVICES INTERNATIONAL	OE	OWNER ELECTRONICS
BTS	BASE TRANSCEIVER STATION	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
C	CEILING MOUNTED	OTDR	OPTICAL TIME DOMAIN REFLECTOMETER
CAT	CATEGORY	PCS	PERSONAL COMMUNICATIONS SERVICE
CB	CIRCUIT BREAKER	PIM	PASSIVE INTERMODULATION
CDMA	CODE DIVISION MULTIPLE ACCESS	PM	PLENUM
CND	CONDUIT	POE	POWER OVER ETHERNET
CO	CONVENIENCE OUTLET	POI	POINT OF INTERFACE
CW	CONTINUOUS WAVE	PR	PAIR
DAS	DISTRIBUTED ANTENNA SYSTEM	PS	POWER SUPPLY
DTF	DISTANCE TO FAULT	QTY	QUANTITY
E	ENHANCED	R	REMOVE
EA	EACH	RF	RADIO FREQUENCY
EM	EMERGENCY	RL	RETURN LOSS
EPO	EMERGENCY POWER OFF	RPP	RISER PATCH PANEL
ER	EQUIPMENT ROOM	RR	REMOVE AND RELOCATE
EX	EXISTING	SHF	SUPER HIGH FREQUENCY (3-30 GHz)
FCC	FEDERAL COMMUNICATIONS COMMISSION	SPP	TYPE S PATCH PANEL
FPP	FIBER PATCH PANEL	TDMA	TIME DIVISION MULTIPLE ACCESS
GHz	GIGA HERTZ (100-3000 MHz)	TR	TELECOMMUNICATIONS ROOM
GND	GROUND	TYP	TYPICAL
GSM	GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS	UHF	ULTRA HIGH FREQUENCY (300-3000 MHz)
HWM	HORIZONTAL WIRE MANAGEMENT	VHF	VERY HIGH FREQUENCY (30-300 MHz)
IDEN	INTEGRATED DIGITAL ENHANCED NETWORK	VSWR	VOLTAGE STANDING WAVE RATIO
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS	WDM	WIRELESS LOCAL LOOP
J-BOX	JUNCTION BOX	WCDMA	WIDE BAND CODE DIVISION MULTIPLE ACCESS
LMR/SMR	LAND MOBILE RADIO/SPECIALIZED MOBILE RADIO	WIMAX	WORLDWIDE INTEROPERABILITY FOR MICROWAVE ACCESS
LTE	LONG TERM EVOLUTION MOBILE BROADBAND TELECOMMUNICATIONS	WLL	WIRELESS LOCAL LOOP
		WP	WEATHERPROOF
		WPP	WIRELESS PATCH PANEL

DEFINITIONS	
NOTE: ALL DEFINITIONS MAY NOT BE USED.	
INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE. NO LIMITATION ON LOCATION IS INTENDED.	
DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", "AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.	
APPROVED: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.	
FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."	
INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."	
PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."	
INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.	
TECHNOLOGY SYSTEMS: THE TERM "TECHNOLOGY SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 75 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, ETC...	

GENERAL ELECTRICAL NOTES	
1	UNLESS OTHERWISE NOTED, INSTALL ALL CABLE OUTSIDE RACEWAY SYSTEMS. WHERE RACEWAY SYSTEMS HAVE NOT BEEN PROVIDED OR SPECIFIED, INSTALL CABLE THROUGH THE SPECIFIED "CADDY" CLIPS AT THE MINIMUM INTERVALS IDENTIFIED IN THE SPECIFICATIONS. SUPPORT "CADDY" CLIPS DIRECTLY FROM THE BUILDING STRUCTURE, NOT FROM OTHER BUILDING SYSTEM SUPPORT WIRES OR CABLE.
2	PROVIDE PLENUM RATED CABLE FOR ALL PLENUM SPACES. VERIFY THAT ANY PATHWAYS INSTALLED IN "WET OR DAMP" LOCATIONS AS DETERMINED BY THE AHJ, SUCH AS PATHWAYS UNDER THE SLAB, ARE SUITABLE FOR THOSE LOCATIONS AND THAT THE SPECIFIED CABLING SYSTEMS ARE ALSO SUITABLE FOR THOSE LOCATIONS.
3	LABEL ALL CABLE INSTALLED UNDER THIS CONTRACT REGARDLESS OF LENGTH, ACCORDING TO WRITTEN SPECIFICATION.
4	THE EQUIPMENT LISTED AND SHOWN IN THESE DRAWINGS ARE USED AS A BASIS OF DESIGN. ALL EQUIPMENT MAY NOT BE LISTED AND THIS LIST SHOULD NOT BE USED AS THE FINAL BOM TO BE USED FOR THIS SYSTEM. THE BIDDING CONTRACTOR SHOULD VERIFY ALL EQUIPMENT, ANTENNA LOCATIONS, AND EQUIPMENT MOUNTING LOCATIONS.
5	GROUND ALL EQUIPMENT RACKS/LADDER RACK, AND EQUIPMENT INSTALLED UNDER THIS CONTRACT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS AND WRITTEN SPECIFICATION.
6	COORDINATE WITH OWNER I.T. PERSONNEL ON RACK AND WALL MOUNTING LOCATIONS.
7	COORDINATE WITH ALL SUBS TO ENSURE THAT ALL CABLE SHALL BE PROTECTED FROM ANY DIRECT PAINT OR INCIDENTAL OVERSPRAY.

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
DISTRIBUTED ANTENNA SYSTEMS (DAS)	
	DEVICES COLORED AS CYAN (BLUE) ARE DESIGNATED AS NEUTRAL/HOST SYSTEM DEVICES.
	DEVICES COLORED AS RED ARE DESIGNATED AS PUBLIC SAFETY SYSTEM DEVICES.
	DAS EQUIPMENT IDENTIFICATION: (BDA001) INDICATES EQUIPMENT TYPE AS SCHEDULED. SEE "DAS EQUIPMENT/ CABLE LIST" FOR ADDITIONAL INFORMATION.
	DAS ANTENNA; OMNI-DIRECTIONAL; CEILING MOUNTED
	DAS ANTENNA; DIRECTIONAL; CEILING MOUNTED
	DAS ANTENNA; OMNI-DIRECTIONAL; WALL MOUNTED
	DAS ANTENNA; DIRECTIONAL; WALL MOUNTED
	DAS DONOR ANTENNA; DIRECTIONAL; ROOF MOUNTED
	DAS SPLITTER/COUPLER
	RF COAXIAL SURGE ARRESTOR
	DAS REPEATER
	DAS FILTER
	WEATHERHEAD
	NON-PENTRATING ROOF ANTENNA MOUNT

DAS RISER CABLE LEGEND		
CABLE	MANUFACTURER	MODEL
	COMMSCOPE	HL4RP-50
	COMMSCOPE	AL4RPV-50
	COMMSCOPE	LDF4-50A
	GENERIC	CATEGORY 6



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SEAL & SIGNATURE

UTAH VALLEY SPORTS
PERFORMANCE CENTER

KEY PLAN

REVISION		
NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
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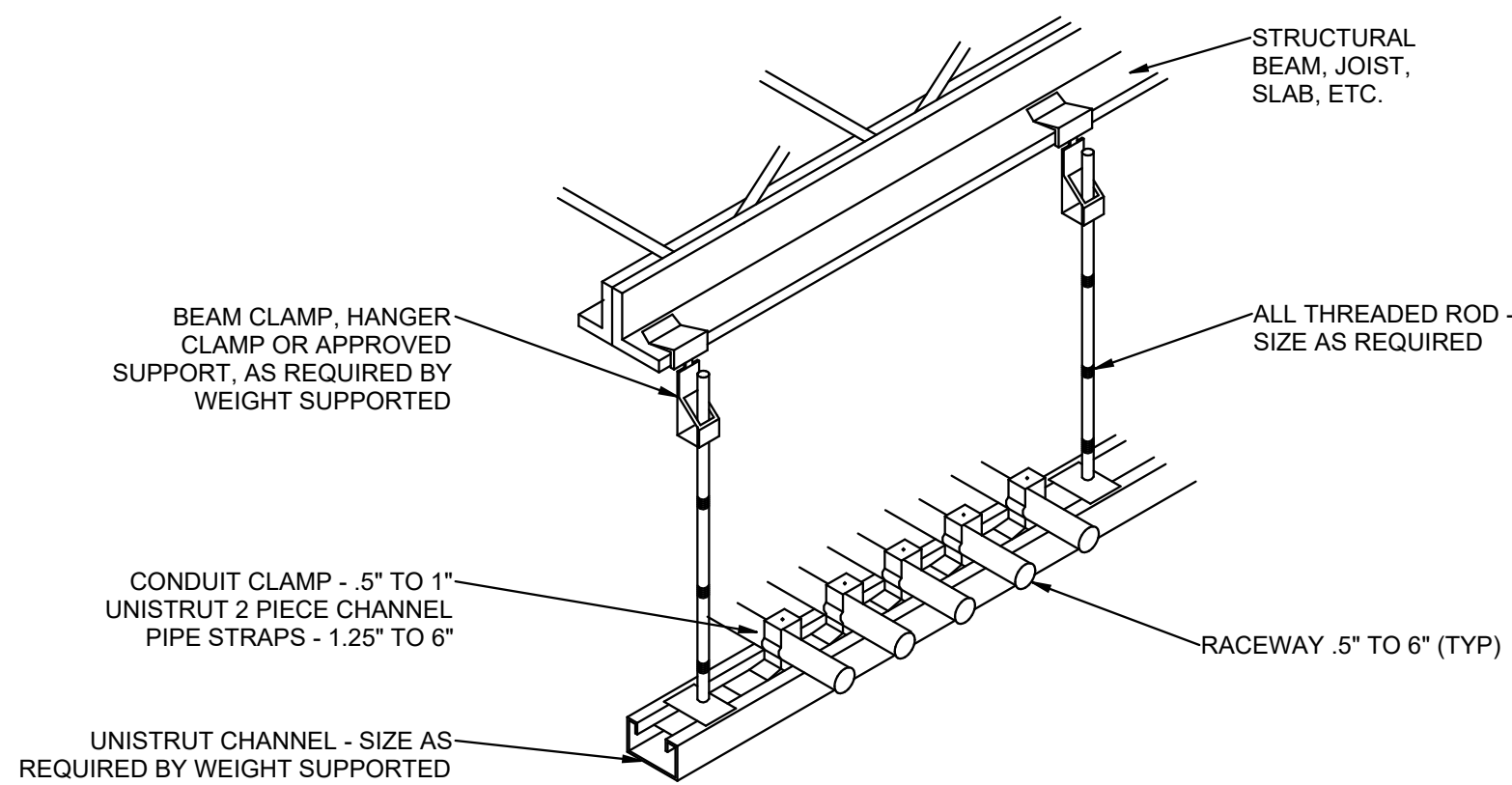
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SCHEDULES AND
GENERAL NOTES**

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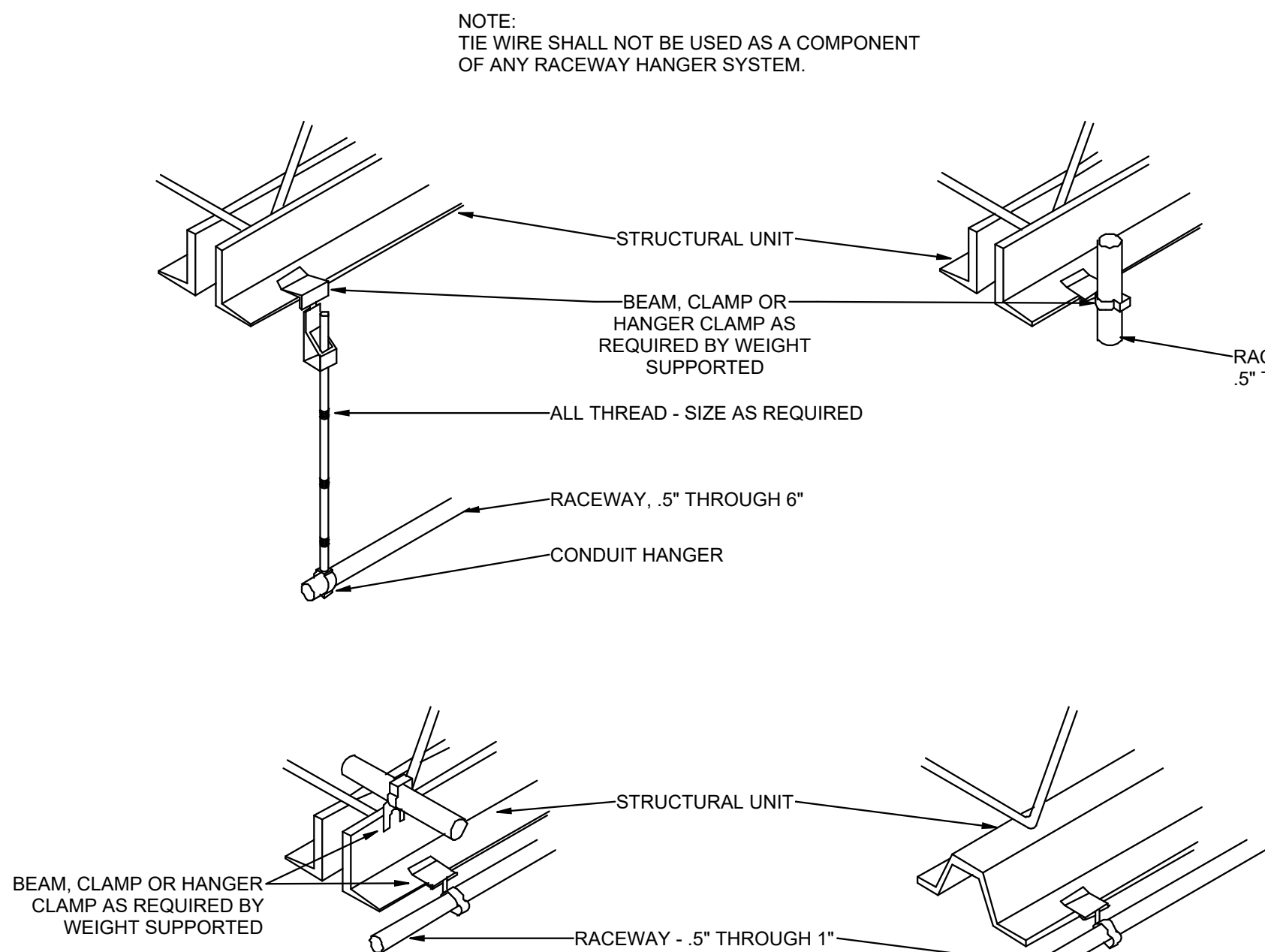
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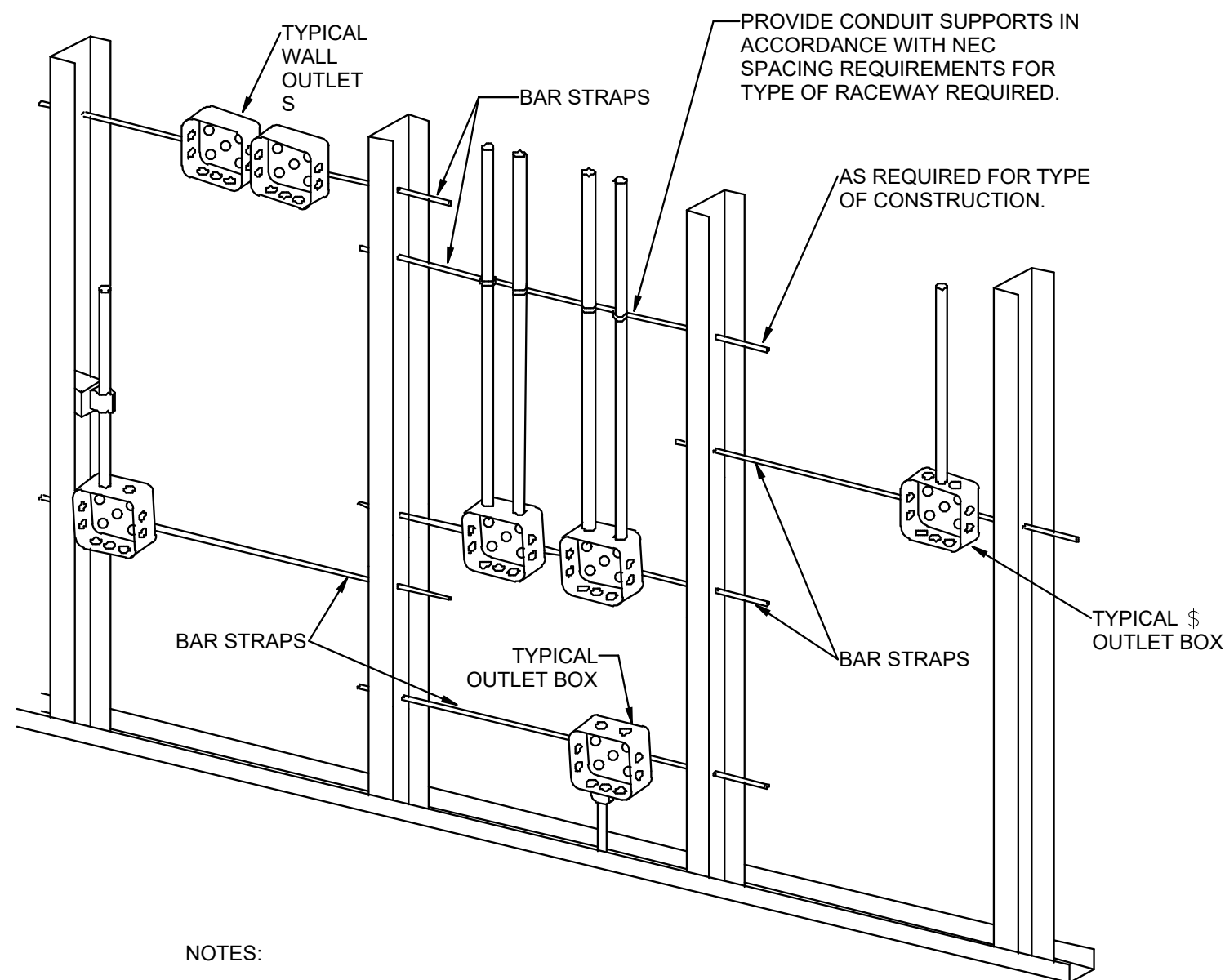
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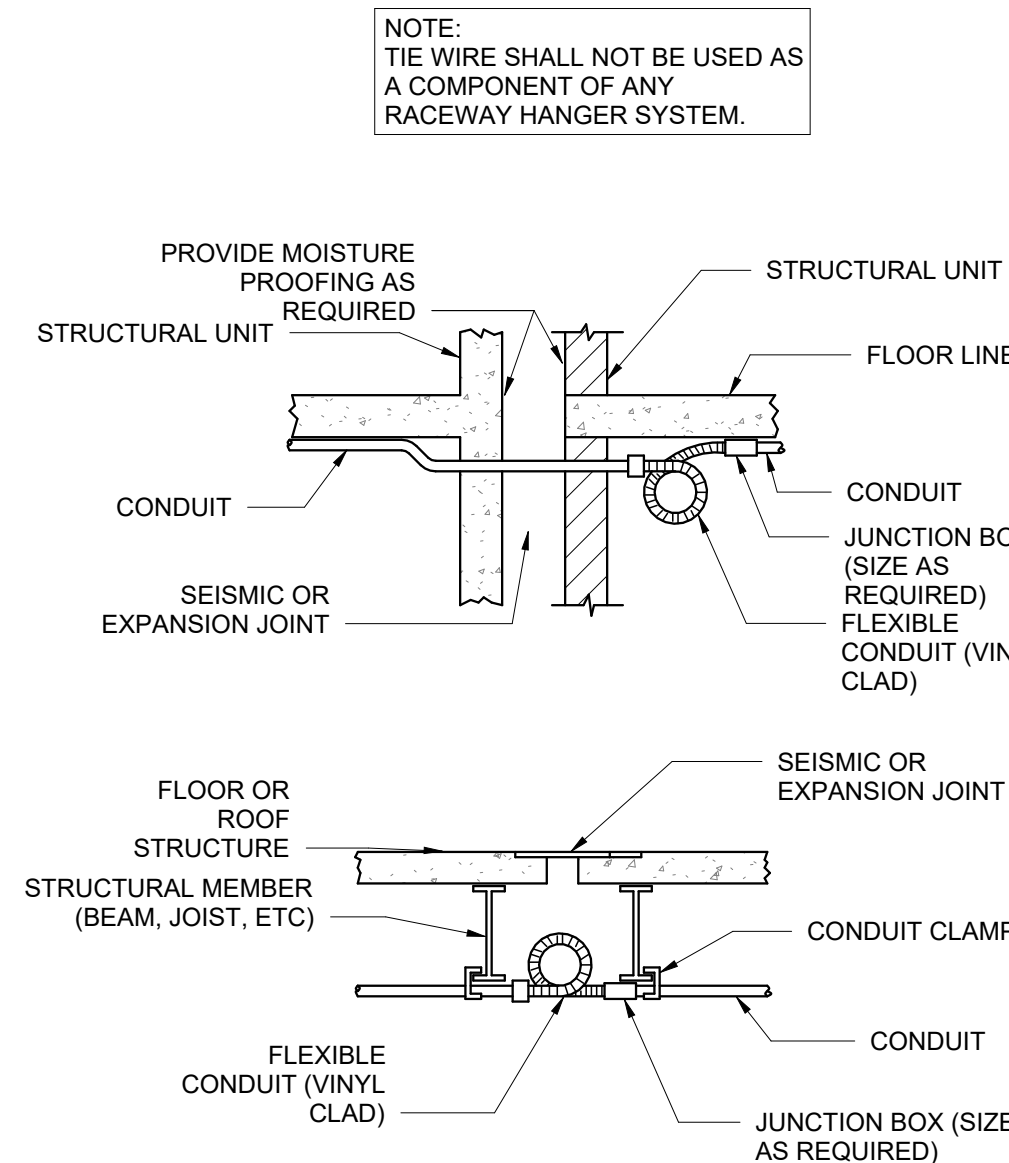
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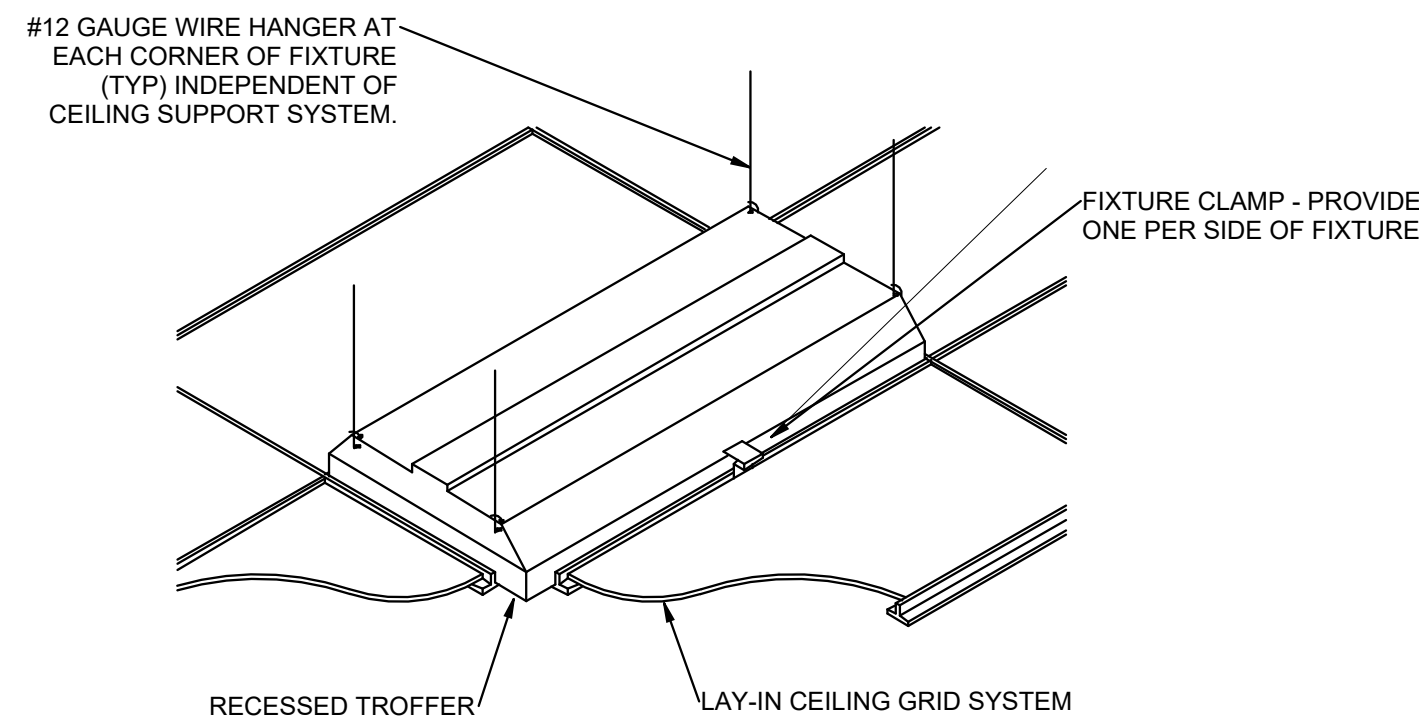
3 TYPICAL ROUGH-IN REQUIREMENTS DETAIL
SCALE: NTS



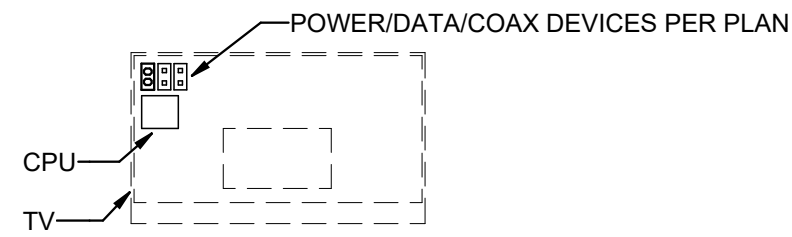
8 CONDUIT EXPANSION JOINT DETAIL
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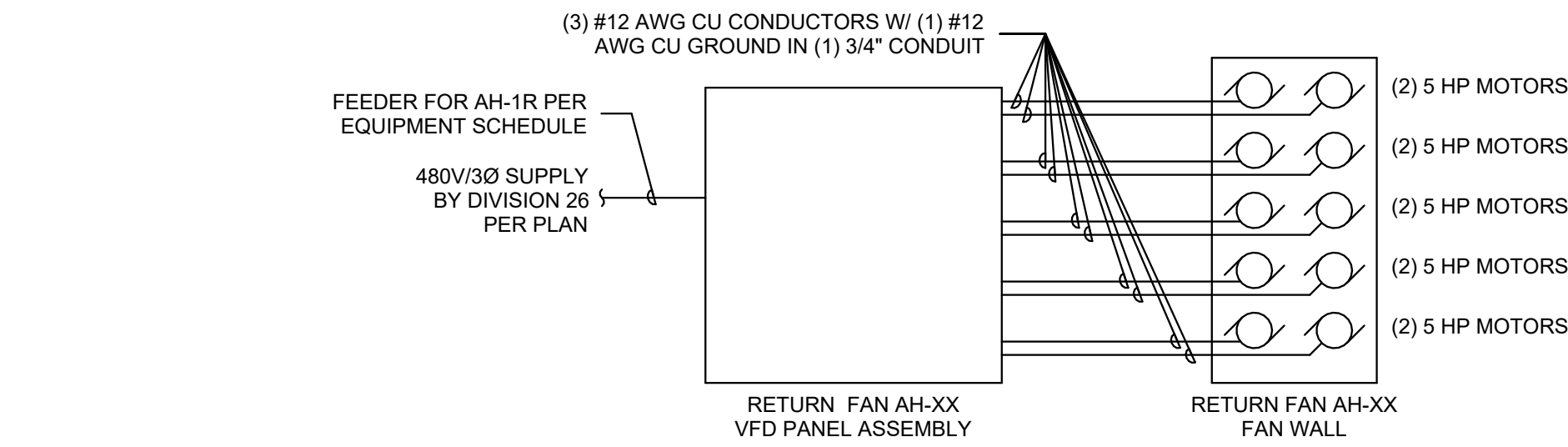
12 RECESSED FIXTURE MOUNTING DETAIL
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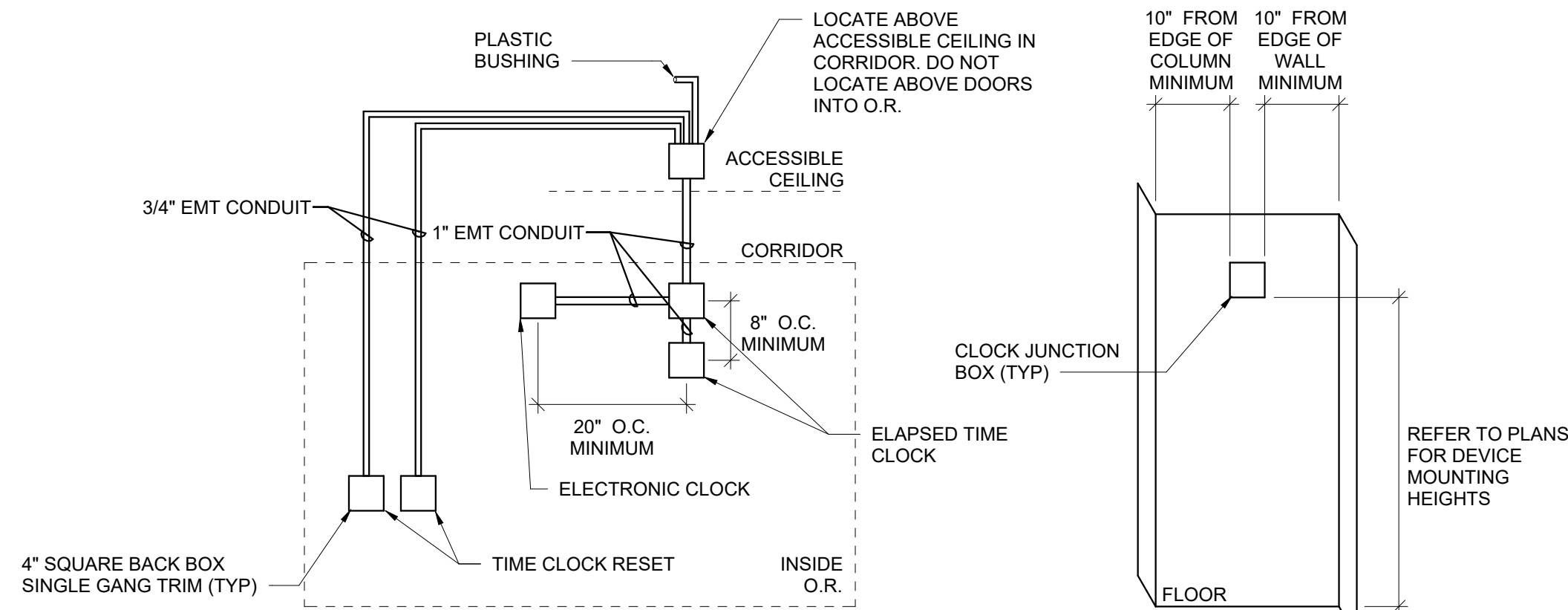
9 TV DEVICE MOUNTING DETAIL
SCALE: NTS



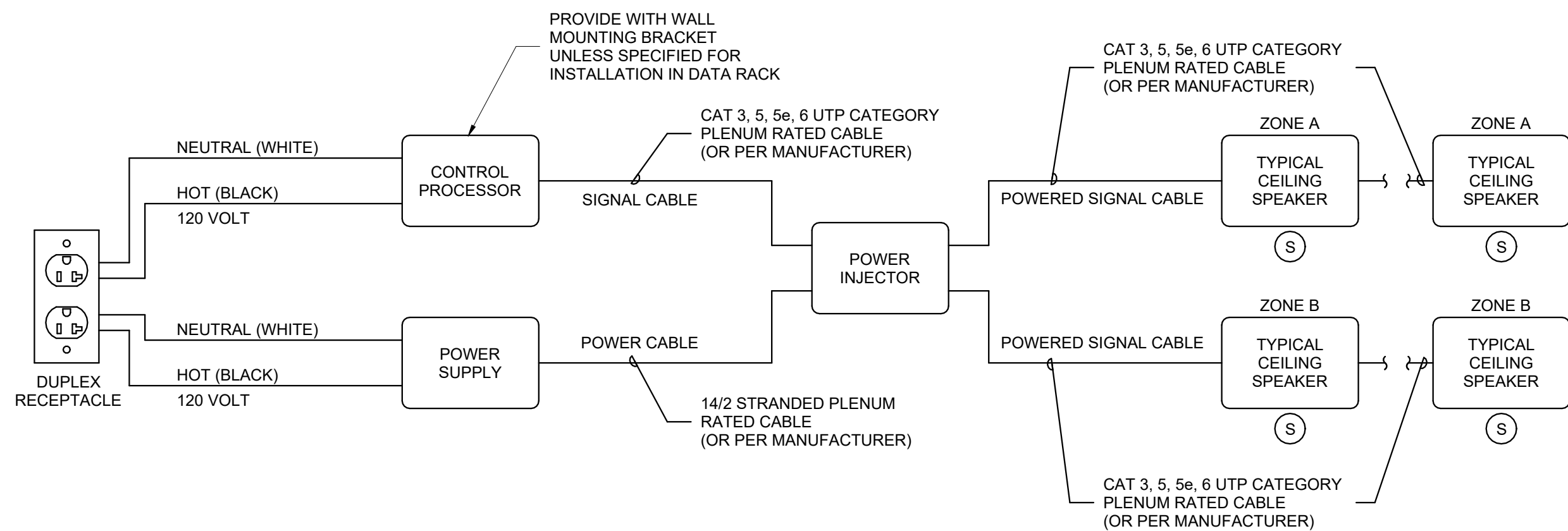
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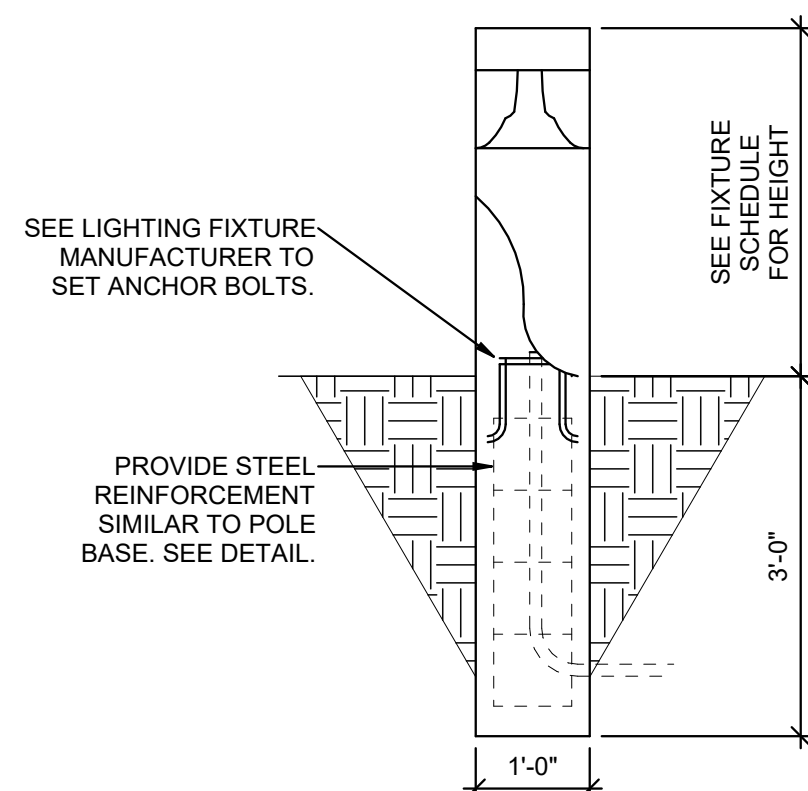
7 AIR HANDLER FAN AH-XX VFD PANEL ASSEMBLY DIAGRAM
SCALE: NTS



6 TYPICAL OPERATING ROOM ELAPSED TIME CLOCK DIAGRAM
SCALE: NTS

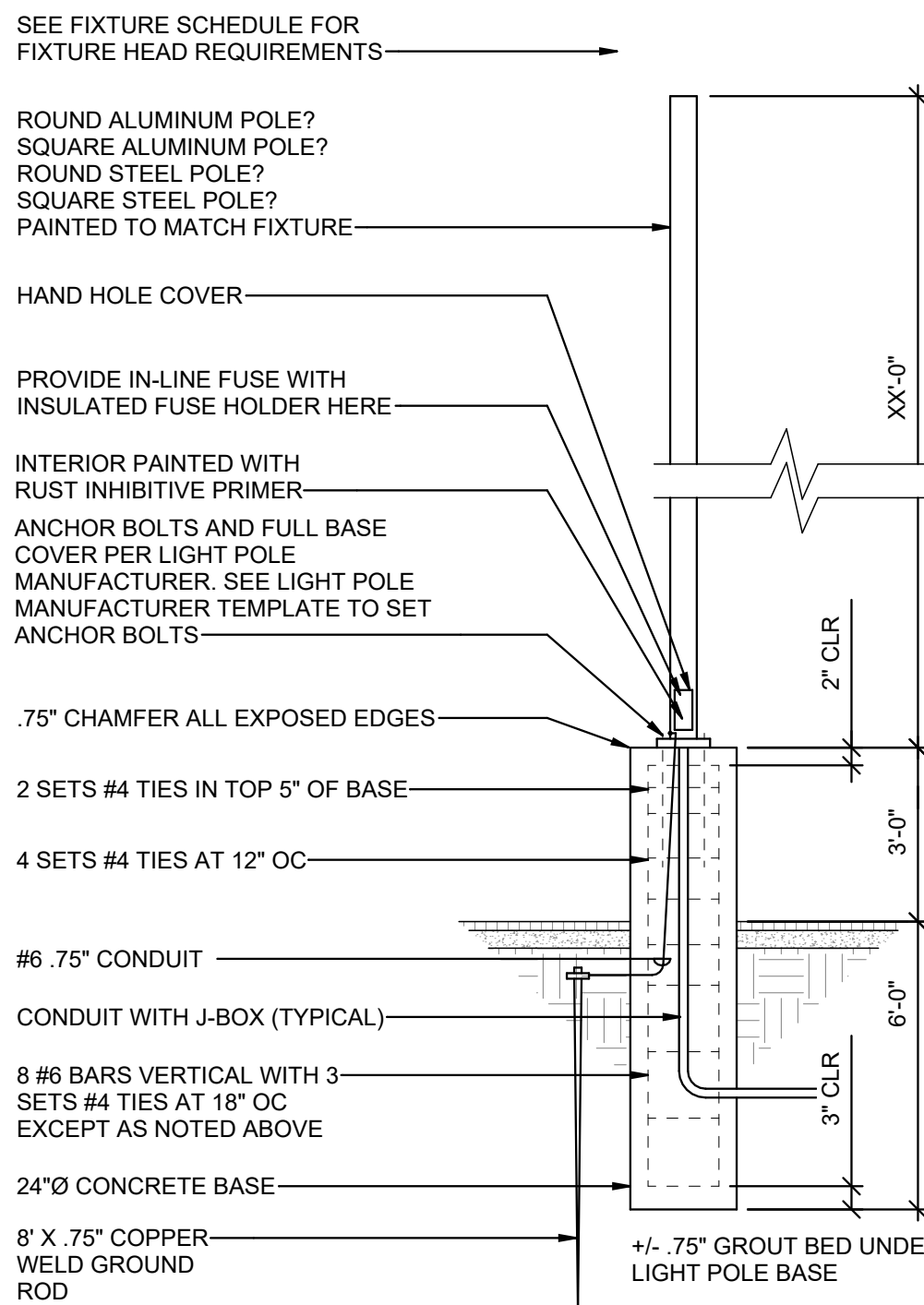


5 TYPICAL SOUND MASKING SPEAKER WIRING DIAGRAM
SCALE: NTS
*BASIS OF DESIGN IS CAMBRIDGE SOUND MANAGEMENT
**PROVIDE ALL COMPONENTS NECESSARY FOR AN EQUIVALENT, FULLY FUNCTIONAL SYSTEM IF PROVIDING OTHER THAN BASIS OF DESIGN SYSTEM.



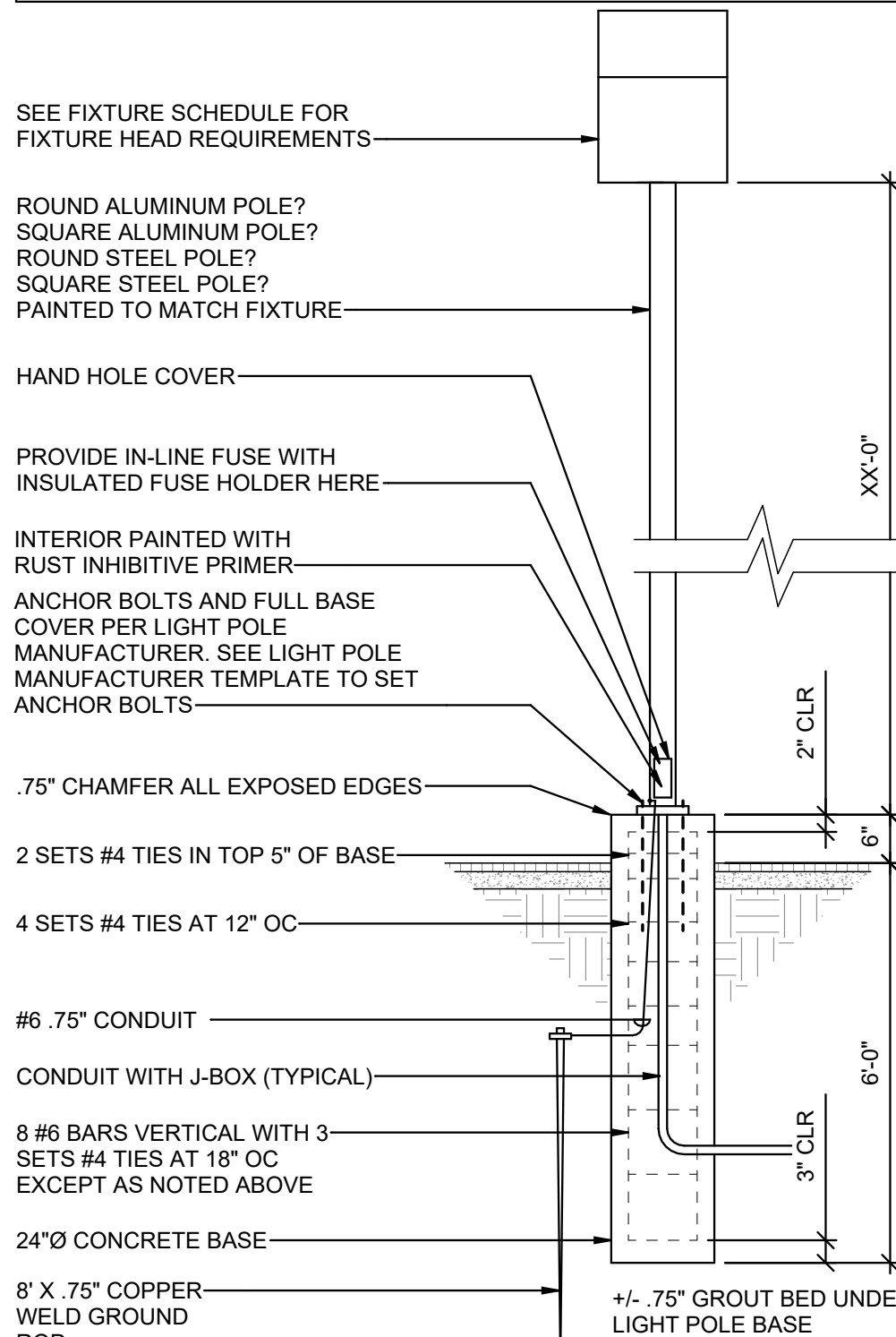
1 BOLLARD MOUNTING DETAIL
SCALE: NTS

NOTE TO ENGINEER:
FOR SQUARE POLES LESS THAN 31' OR ROUND POLES LESS THAN 26', USE TAPERED. FOR ARM MOUNT FIXTURES, USE STRAIGHT POLES. OR WATCH SIZE AT TOP OF POLE (MUST BE COMPATIBLE WITH ARM SIZE). TRY TO MATCH FIXTURE SHAPE. DON'T USE ALUMINUM POLES GREATER THAN 14'.
FOR POLES TALLER THAN 30', OR FOR MORE THAN A DOUBLE-HEAD, HAVE A STRUCTURAL ENGINEER PROVIDE CALCULATIONS AND MODIFICATIONS TO THIS STANDARD DETAIL FOR THE PARTICULAR PROJECT CONDITIONS.



2 PARKING LOT LIGHT POLE BASE DETAIL
SCALE: NTS

NOTE TO ENGINEER:
FOR SQUARE POLES LESS THAN 31' OR ROUND POLES LESS THAN 26', USE TAPERED. FOR ARM MOUNT FIXTURES, USE STRAIGHT POLES. OR WATCH SIZE AT TOP OF POLE (MUST BE COMPATIBLE WITH ARM SIZE). TRY TO MATCH FIXTURE SHAPE. DON'T USE ALUMINUM POLES GREATER THAN 14'.
FOR POLES TALLER THAN 30', OR FOR MORE THAN A DOUBLE-HEAD, HAVE A STRUCTURAL ENGINEER PROVIDE CALCULATIONS AND MODIFICATIONS TO THIS STANDARD DETAIL FOR THE PARTICULAR PROJECT CONDITIONS.



3 WALKWAY LIGHT POLE BASE DETAIL
SCALE: NTS

HKS

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MGB+A STUDIO
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STRUCTURAL ENGINEER
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M/P/FP ENGINEER
RESOLUT GROUP
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MURRAY, UTAH 84107

E/T ENGINEER
LYNK ENGINEERS, INC.
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Intermountain Health
UTAH VALLEY SPORTS
PERFORMANCE CENTER
PROJECT ADDRESS: WEST 180 NORTH, 200 WEST PROVIDENT, UTAH 8404

SEAL & SIGNATURE

KEY PLAN

REVISION
NO. DESCRIPTION DATE

HKS PROJECT NUMBER
27487.000
DATE
8/26/2026
ISSUE
DESIGN DEVELOPMENT

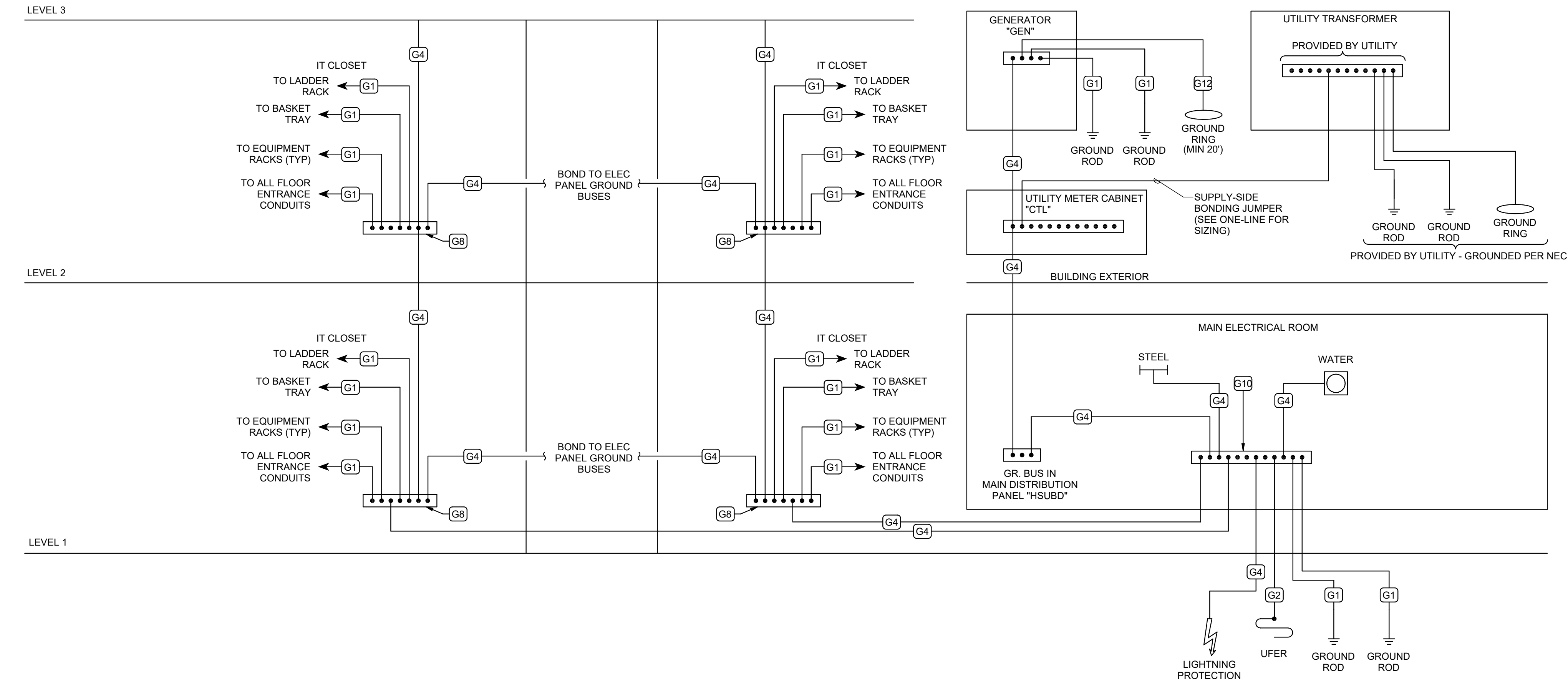
SHEET TITLE
ELECTRICAL DETAILS

SHEET NO.

EE502

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G#	GROUNDING SCHEDULE
NOTES	
1. ALL CONDUCTORS ARE INSULATED UNLESS INDICATED OTHERWISE.	
2. REFER TO ONE LINE AND ET SHEETS FOR ADDITIONAL GROUNDING REQUIREMENTS. WHERE DISCREPANCIES ARE FOUND, CONTRACTOR SHALL PROVIDE LARGEST GROUND CABLE SIZE.	
SYMBOL	SIZE / DESCRIPTION
G1	#6 CU.
G2	#4 CU.
G4	#4/0 CU.
G8	12"X2"X1/4" COPPER BUS WITH PRE-DRILLED HOLES MOUNTED ON INSULATORS IN ELECTRICAL & TELECOMM CLOSETS. PART # TMGB/TGB TYP.
G10	16"X4"X1/4" COPPER BUS WITH PRE-DRILLED HOLES MOUNTED ON INSULATORS. PART # TMGB
G12	#2 CU.



A3 GROUNDING RISER DIAGRAM
SCALE: NTS



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**UTAH VALLEY SPORTS
PERFORMANCE CENTER**



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SHEET TITLE
**GROUNDING RISER
DIAGRAM**

SHEET NO.

EE601

SHEET KEYNOTES

- 1
- BOND METAL RACEWAY.
- 2
-
- 3
- SYSTEM BONDING JUMPER BONDING TRANSFORMER X0 TERMINAL TO TRANSFORMER ENCLOSURE / GROUND BUS.
- 4
- EQUIPMENT GROUND BOND TO ENCLOSURE.
- 5
- BOND TO TRANSFORMER ENCLOSURE WITH #4/0 CU.
- 6
-
- 7
- NEUTRAL TO GROUND BOND HERE.
- 8
- COMMON BUILDING GROUNDING ELECTRODE BUS.
- 9
- BOND ALL AVAILABLE GROUNDING ELECTRODES AT BUILDING.

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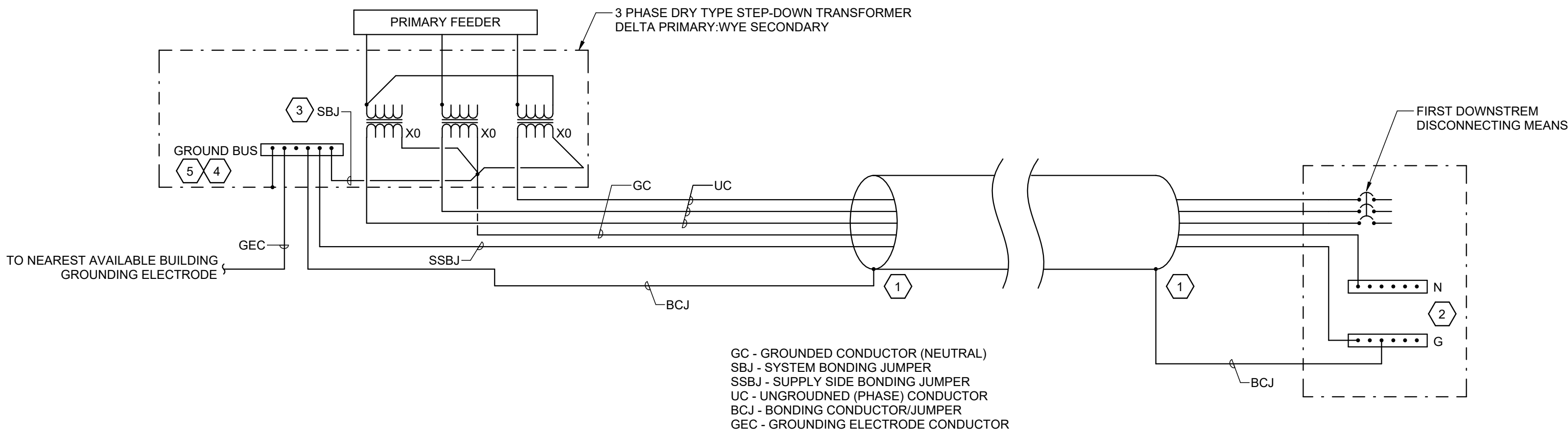
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SHEET TITLE

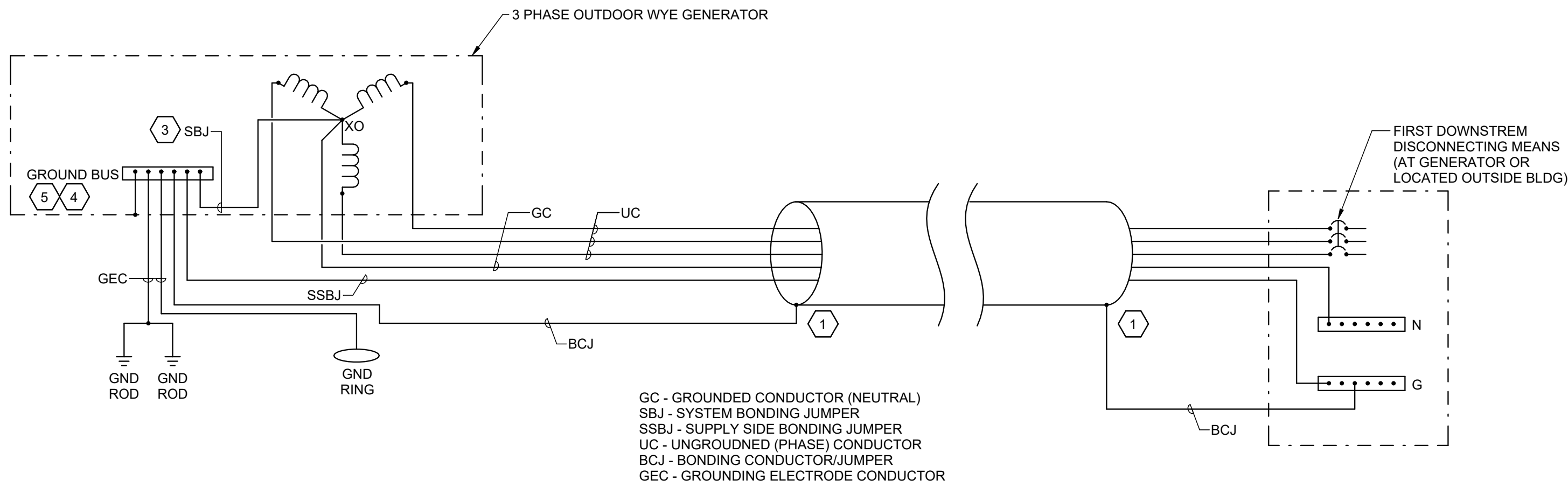
GROUNDING AND
BONDING DETAILS

SHEET NO.

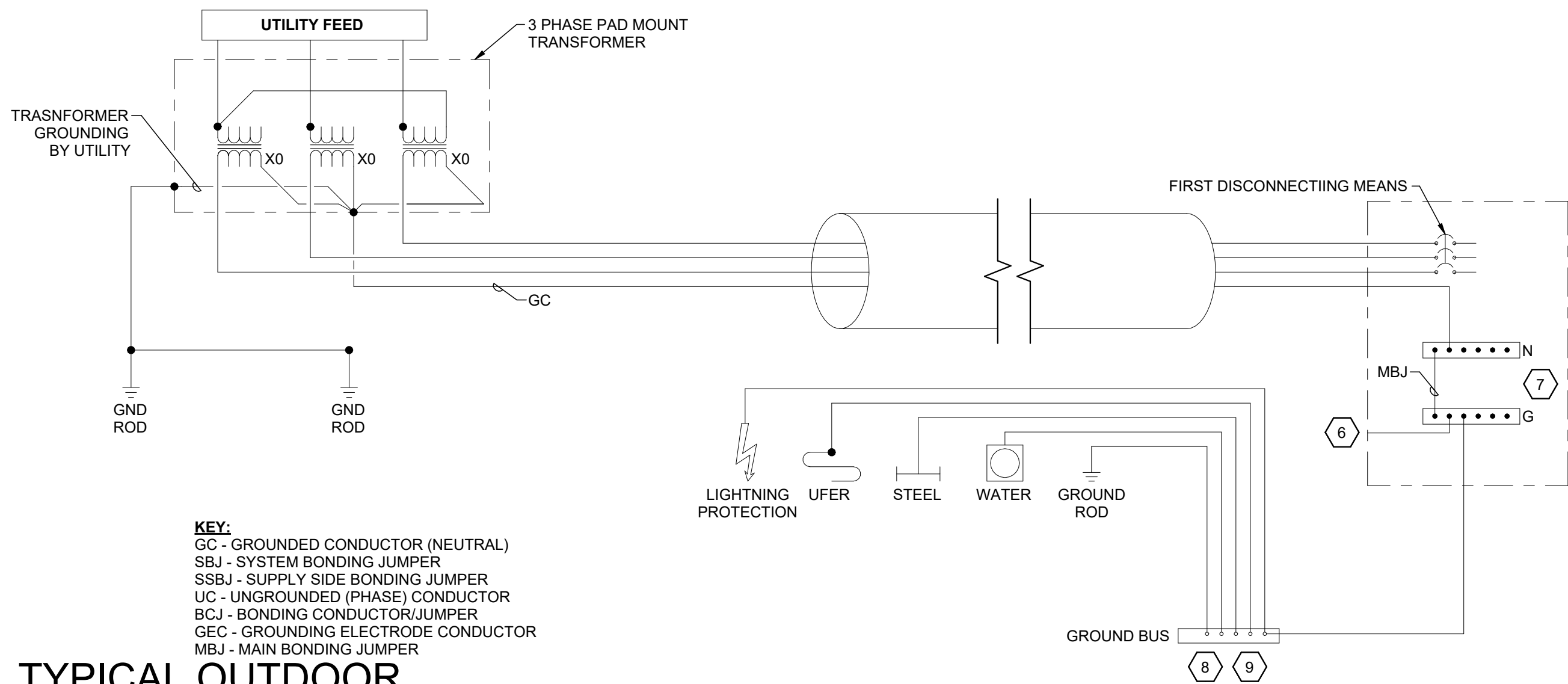
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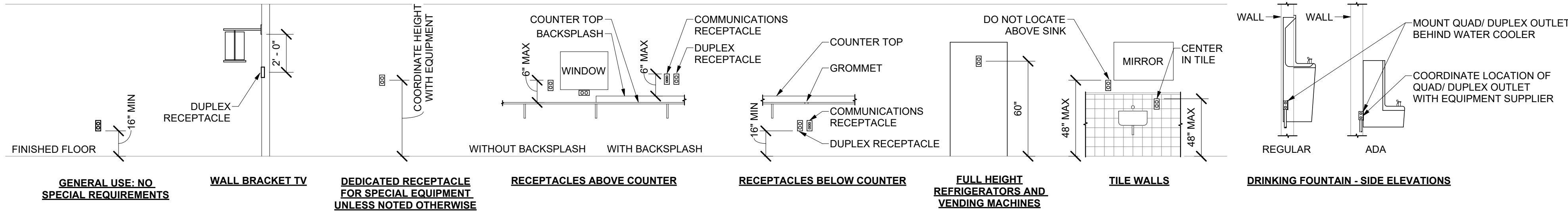
B1 TYPICAL INDOOR
STEP-DOWN TRANSFORMER SEPARATELY DERIVED SYSTEM GROUNDING AND BONDING DETAIL
SCALE: NTS



A1 TYPICAL GENERATOR SEPARATELY DERIVED SYSTEM GROUNDING AND BONDING DETAIL
SCALE: NTS



A4 TYPICAL OUTDOOR
UTILITY TRANSFORMER SEPARATELY DERIVED SYSTEM GROUNDING AND BONDING DETAIL
SCALE: NTS

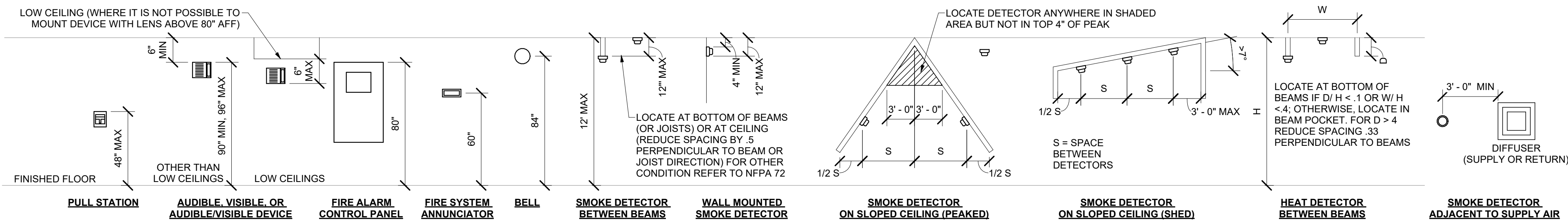


NOTE:
1. REFER TO ARCHITECTURAL ELEVATIONS FOR PLACEMENT OF OUTLETS.

- ### GENERAL SHEET NOTES
- MOUNTING HEIGHTS OF ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE FOLLOWING ORDER OF PRIORITY:
 - A - ELEVATIONS (ARCHITECTURAL, ELECTRICAL, MECHANICAL, ETC).
 - B - EQUIPMENT SHOP DRAWINGS.
 - C - FIELD INSTRUCTIONS.
 - LOCATE RECEPTACLES SERVING THE SAME TYPE OF USE AT A UNIFORM HEIGHT UNLESS DIRECTED OTHERWISE.
 - MECHANICAL, ELECTRICAL, AND COMMUNICATION ROOMS: COORDINATE LOCATION OF LIGHTING AND POWER RECEPTACLES WITH EQUIPMENT, PIPING, AND DUCTWORK. DO NOT INSTALL RECEPTACLES BEHIND EQUIPMENT OR WHERE OTHERWISE INACCESSIBLE. POSITION LIGHTING REGARDLESS OF WHERE SHOWN ON DRAWING TO PROVIDE PROPER ILLUMINATION.
 - MOUNT RECEPTACLE BOXES FOR SWITCHES AND RECEPTACLES WITH LONG AXIS OF THE DEVICE VERTICAL UNLESS OTHERWISE INDICATED.
 - SET BOXES WITH PLASTER RINGS FLUSH WITH FINISHED SURFACE.
 - LOCATE BOX COVERS OR DEVICE PLATES SO THEY WILL NOT SPAN DIFFERENT TYPES OF BUILDING FINISHES EITHER VERTICALLY OR HORIZONTALLY.
 - VERIFY ALL DOOR CONDITIONS ON ARCHITECTURAL DRAWINGS PRIOR TO INSTALLING SWITCHES.
 - LOCATE WIRING DEVICES WHICH ARE ADJACENT AND ARE COMPATIBLE VOLTAGES IN ONE PLATE.
 - WHERE DEVICES ARE LOCATED IN CLOSE PROXIMITY OF THE SAME VERTICAL PLANE, ALIGN DEVICES VERTICALLY PER THE TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL, UNLESS OTHERWISE INDICATED.

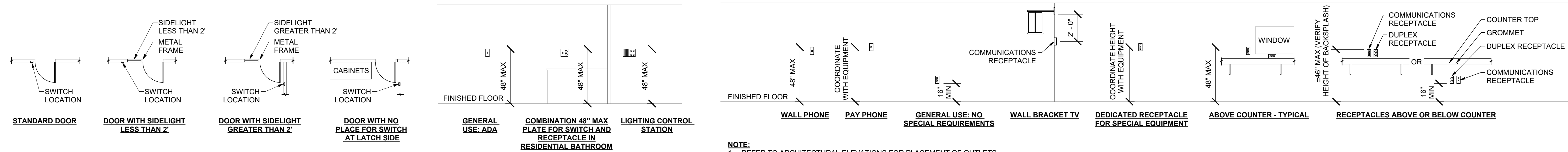
E2 RECEPTACLE MOUNTING DETAILS

SCALE: NTS



D2 FIRE ALARM MOUNTING DETAILS

SCALE: NTS



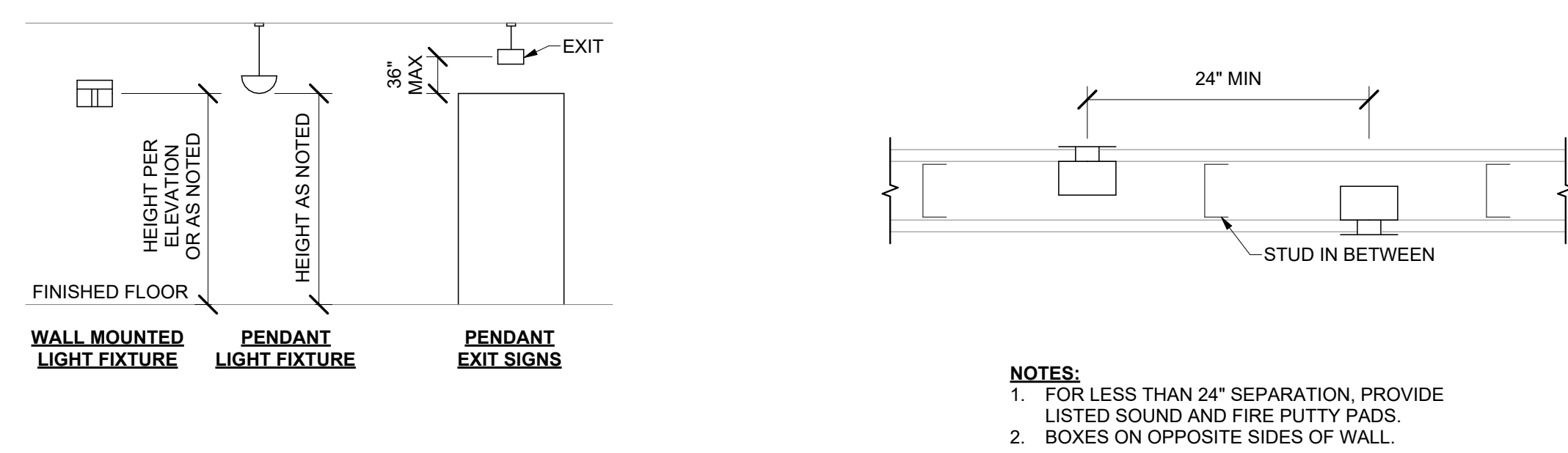
NOTE:
1. REFER TO ARCHITECTURAL ELEVATIONS FOR PLACEMENT OF OUTLETS.

C2 SWITCH MOUNTING DETAILS

SCALE: NTS

C4 COMMUNICATIONS MOUNTING DETAILS

SCALE: NTS



B2 LIGHTING MOUNTING DETAILS

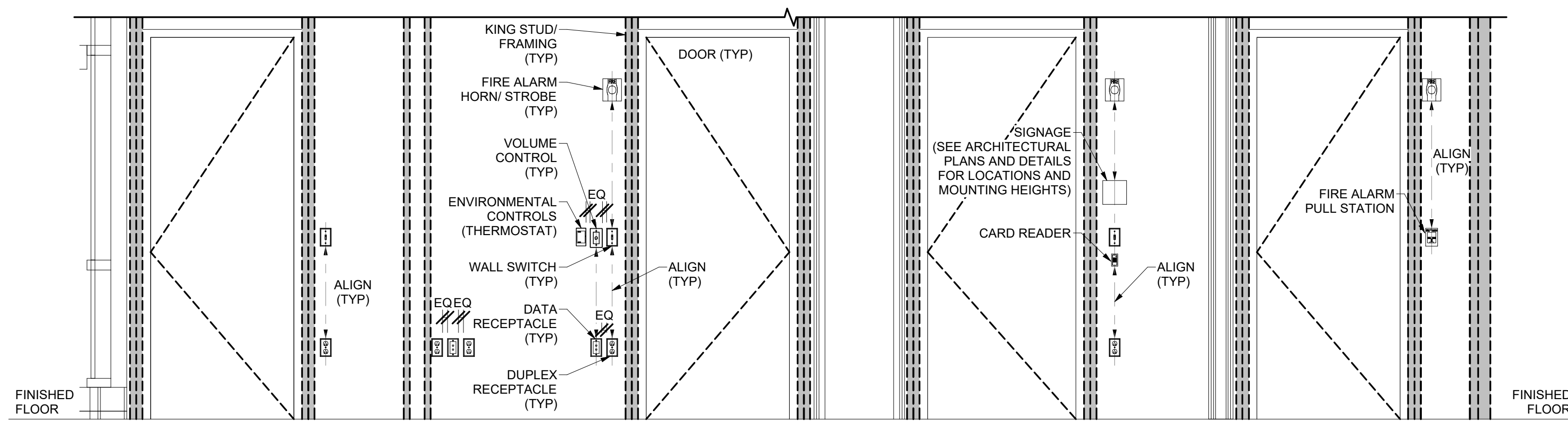
SCALE: NTS

B3 BOX MOUNTING DETAILS

SCALE: NTS

B4 TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL

SCALE: NTS



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KEY PLAN

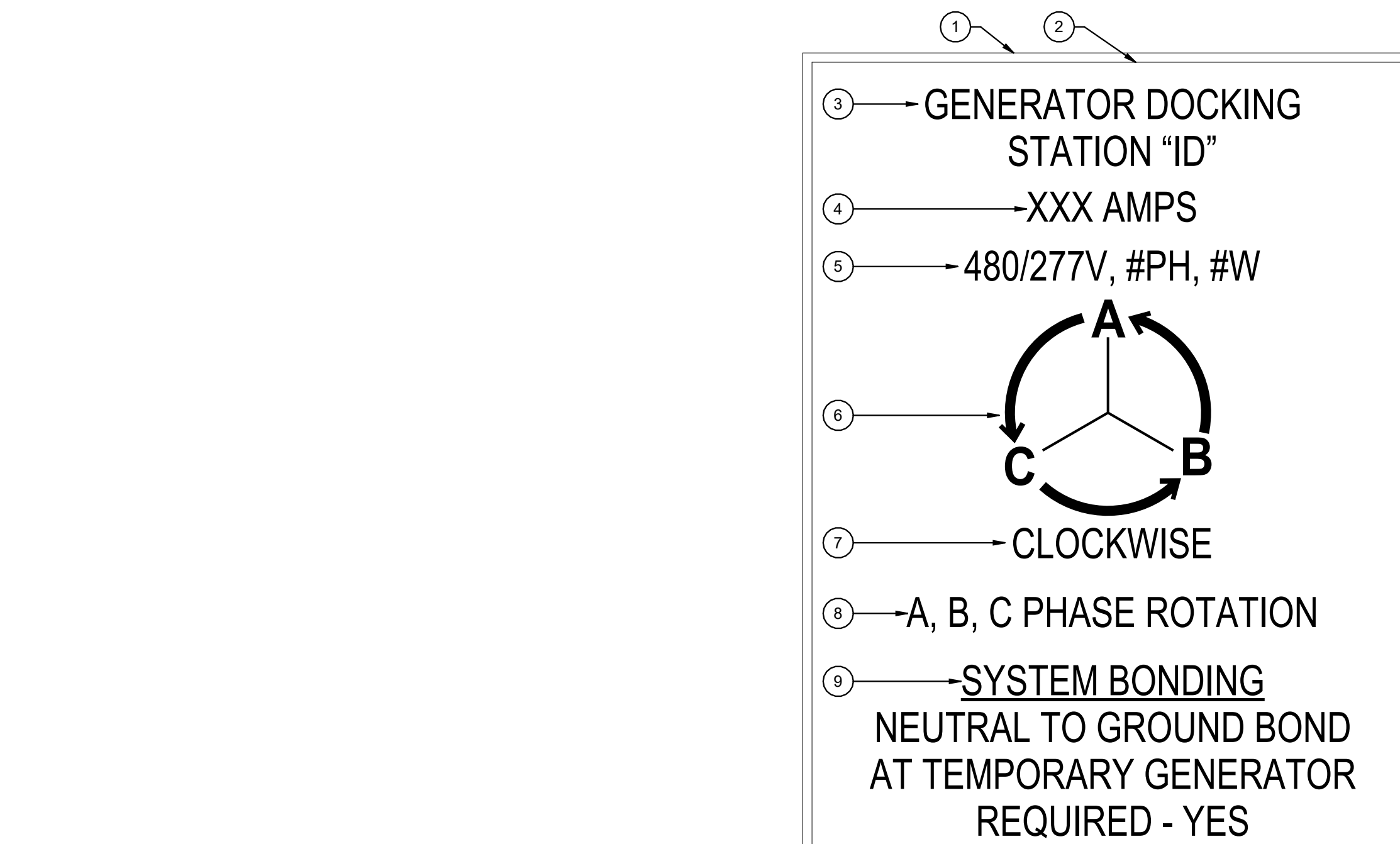
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SHEET TITLE
TYPICAL MOUNTING DETAILS

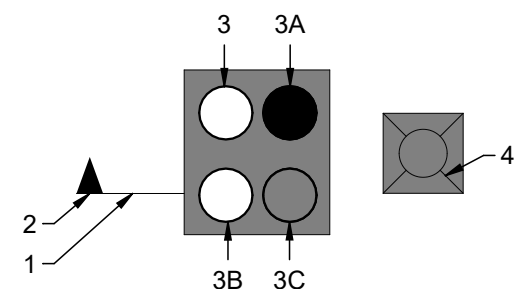
SHEET NO.

EE701



NOTES:
1. CONTRACTOR SHALL FIELD VERIFY PHASE ROTATION AND APPLY APPROPRIATE LABEL FOR ROTATION.
2. LABEL TO BE PERMANENTLY AFFIXED TO EQUIPMENT.
3. LABEL VALUES TO BE UPDATED FOR ACTUAL EQUIPMENT INSTALLED.

KEYNOTES:
1. LABEL IS TO BE SIZED APPROPRIATELY 1/16" LAMINATED 2-PLY PLASTIC LAMACOID. LETTERS SHALL BE FORMED BY ENGRAVING OUTER RED PLY, EXPOSING WHITE PLY BENEATH.
2. LABEL IS TO BE MOUNTED USING DOUBLE SIDED ADHESIVE TAPE COVERING THE BACK OF THE LABEL.
3. FIRST LINE: LETTERING IS TO BE 1/4" HIGH, CENTERED, AND FORMATTED AS SHOWN. REPLACE THE LETTER/NUMBER WITH THOSE FOUND ON THE ONE-LINE DIAGRAM.
4. SECOND LINE: LETTERING IS TO BE 1/4" HIGH, CENTERED, AND FORMATTED AS SHOWN. THE FOLLOWING SHALL BE PROVIDED: AMPACITY OF GENERATOR DOCKING STATION.
5. THIRD LINE: LETTERING IS TO BE 1/4" HIGH, CENTERED, AND FORMATTED AS SHOWN. THE FOLLOWING SHALL BE PROVIDED: VOLTAGE, PHASE, NUMBER OF WIRES.
6. FOURTH LINE: ARROW SHOULD BE SIZED APPROPRIATELY AND CENTERED. LETTERING SHALL BE 1/2" HIGH, FORMATTED AS SHOWN.
7. FIFTH LINE: LETTERING IS TO BE 1/4" HIGH, CENTERED, AND FORMATTED AS SHOWN.
8. SIXTH LINE: LETTERING IS TO BE 1/4" HIGH, CENTERED, AND FORMATTED AS SHOWN.
9. SYSTEM BONDING REQUIREMENTS LIST :
YES = FOR SEPARATELY DERIVED GENERATOR SYSTEM
NO = FOR NON-SEPARATELY DERIVED GENERATOR SYSTEM



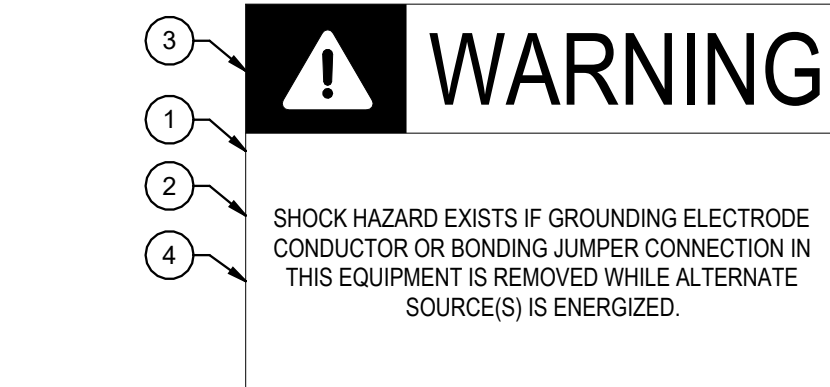
NOTES:
1. INDICATES SECTION LOCATION.
2. ARROW INDICATES THE DIRECTION DETAIL IS LOOKING ALONG DUCTBANK.
3. CIRCLES INDICATE NUMBER OF CONDUITS IN DUCTBANK.
4. DARK FILLED CONDUIT INDICATES A CONDUIT WITH NEW CABLING.
5. CONDUIT WITH NO FILL INDICATES AN EMPTY CONDUIT.
6. LIGHT FILLED CONDUIT INDICATES A CONDUIT WITH EXISTING CABLING.
7. X IN DUCTBANK INDICATES CABLING TO BE DEMOLISHED.

1 DUCTBANK SECTION LEGEND

SCALE: NTS

C2 GENERATOR DOCKING STATION LABEL

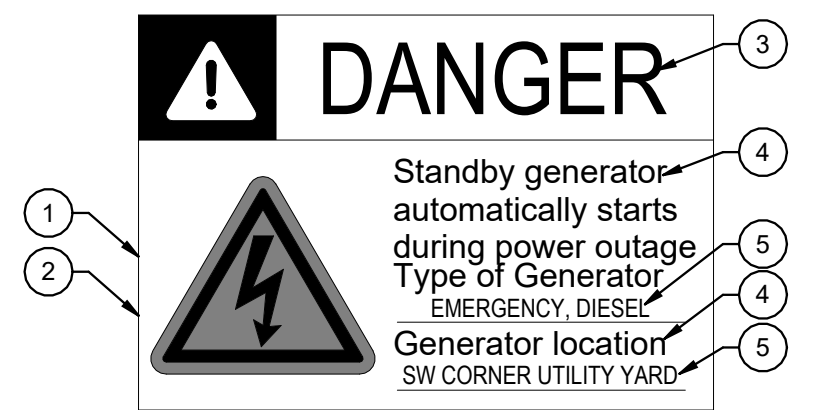
SCALE: NTS



KEYNOTES:
1. LABEL TO BE PROVIDED THAT IS TO BE 4" X REQUIRED LENGTH X 1/16" LAMINATED 2-PLY PLASTIC LAMACOID. LETTERS SHALL BE FORMED BY ENGRAVING OUTER WHITE PLY, EXPOSING BLACK PLY BENEATH. LABEL SHALL BE INSTALLED AT THE NORMAL POWER SOURCE EQUIPMENT.
2. LABEL IS TO BE MOUNTED USING DOUBLE SIDED ADHESIVE TAPE COVERING THE BACK OF THE LABEL.
3. FIRST LINE: LETTERING IS TO BE 1/2" HIGH, CENTERED, AND FORMATTED AS SHOWN.
4. SECOND SET OF LINES: LETTERING IS TO BE 1/4" HIGH, CENTERED, AND FORMATTED AS SHOWN.

D4 GENERATOR GROUNDING LABEL

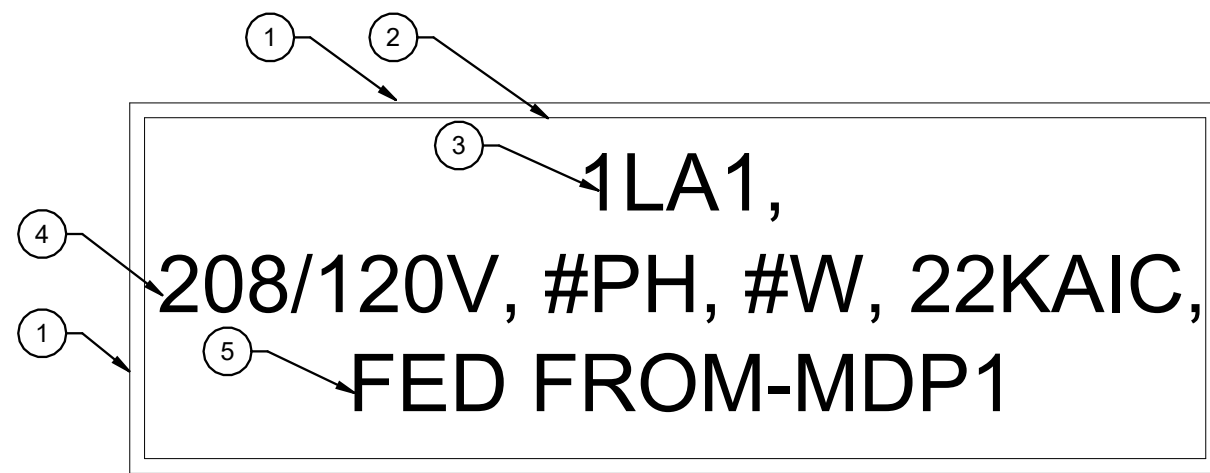
SCALE: NTS



KEYNOTES:
1. LABEL TO BE PROVIDED THAT IS TO BE 4" X REQUIRED LENGTH X 1/16" LAMINATED 2-PLY PLASTIC LAMACOID. LETTERS SHALL BE FORMED BY ENGRAVING OUTER WHITE PLY, EXPOSING BLACK PLY BENEATH. LABEL SHALL BE INSTALLED AT THE SERVICE ENTRANCE EQUIPMENT.
2. LABEL IS TO BE MOUNTED USING DOUBLE SIDED ADHESIVE TAPE COVERING THE BACK OF THE LABEL.
3. FIRST LINE: LETTERING IS TO BE 1/2" HIGH, CENTERED, AND FORMATTED AS SHOWN.
4. SECOND SET OF LINES: LETTERING IS TO BE 3/8" HIGH, CENTERED, AND FORMATTED AS SHOWN. THE FOLLOWING SHALL BE PROVIDED: VOLTAGE, PHASE, NUMBER OF WIRES, AND AIC RATING OF DEVICE.
5. THIRD LINE: LETTERING IS TO BE 3/8" HIGH, CENTERED, AND FORMATTED AS SHOWN. THE FOLLOWING SHALL BE PROVIDED: VOLTAGE, PHASE, NUMBER OF WIRES, AND AIC RATING OF GEAR.
6. FOURTH & FIFTH LINES: LETTERING IS TO BE 3/8" HIGH, CENTERED, AND FORMATTED AS SHOWN. LABEL WITH THE NUMBER OF SERVICES AS SHOWN ON THE ONE-LINE.

C4 SERVICE ENTRANCE EQUIPMENT GENERATOR SIGNAGE LABEL

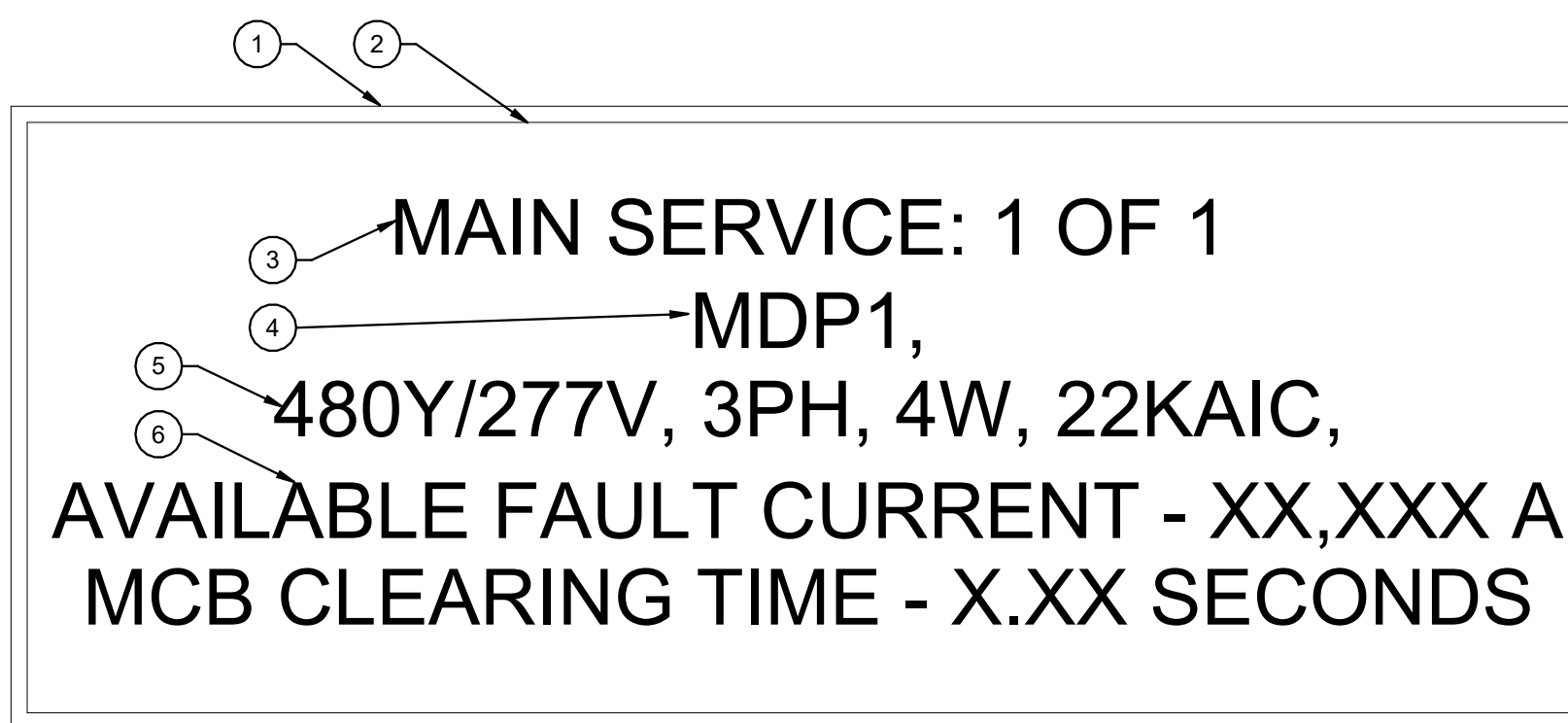
SCALE: NTS



NOTE:
1. EMERGENCY PANELS SHALL USE LAMACOID WITH RED OUTERPLY, EXPOSING WHITE LETTERING BENEATH. CONTRACTOR TO USE SAME LABEL SCHEME EXCEPT FIRST 'X' IS REPLACED WITH 'E' FOR EMERGENCY. SECOND 'X' TO BE 'L' FOR LOW OR 'H' FOR HIGH VOLTAGE (480/277V). LAST 'W' TO BE REPLACED WITH LETTER INDICATING LOCATION OF PANEL.

D5 TYPICAL PANELBOARD/SWITCHBOARD LABEL

SCALE: NTS



NOTES:
1. LABEL TO BE PROVIDED THAT IS TO BE 4" X REQUIRED LENGTH X 1/16" LAMINATED 2-PLY PLASTIC LAMACOID. LETTERS SHALL BE FORMED BY ENGRAVING OUTER WHITE PLY, EXPOSING BLACK PLY BENEATH.
2. LABEL IS TO BE MOUNTED USING DOUBLE SIDED ADHESIVE TAPE COVERING THE BACK OF THE LABEL.
3. FIRST LINE: LETTERING IS TO BE 3/8" HIGH, CENTERED, AND FORMATTED AS SHOWN. LABEL WITH THE NUMBER OF SERVICES AS SHOWN ON THE ONE-LINE.
4. SECOND LINE: LETTERING IS TO BE 3/8" HIGH, CENTERED, WITH THE EQUIPMENT ID MATCHING PLANS.
5. THIRD LINE: LETTERING IS TO BE 3/8" HIGH, CENTERED, AND FORMATTED AS SHOWN. THE FOLLOWING SHALL BE PROVIDED: VOLTAGE, PHASE, NUMBER OF WIRES, AND AIC RATING OF GEAR.
6. FOURTH & FIFTH LINES: LETTERING IS TO BE 3/8" HIGH, CENTERED, AND FORMATTED AS SHOWN. LABEL WITH ACTUAL AVAILABLE FAULT CURRENT AND ASSOCIATED CLEARING TIME.

C5 TYPICAL MAIN SERVICE EQUIPMENT/GEAR LABEL

SCALE: NTS

WARNING	
Arc Flash and Shock Risk	
Appropriate PPE Required	
3 in	Arc Flash Boundary
0.06 cal/cm ²	Incident Energy at 18 in
208 VAC	Shock Risk when cover is removed
42 in	Limited Approach
12 in	Restricted Approach
1 in	Prohibited Approach
Location:	PNL A
Device:	PD-0001
SKM Systems Analysis, Inc.	
1 Pearl St.	
Redondo Beach, CA 90277	
(310) 698-4700	
Job#: 232874	Prepared on: 05/06/24
By: Engineer	

Warning: Changes in equipment settings or system configuration will invalidate the calculated values and PPE requirements

SHADED AREAS TO BE ORANGE ALL OTHER TO BE WHITE BACKGROUND

DISTANCES IN INCHES (TYP)

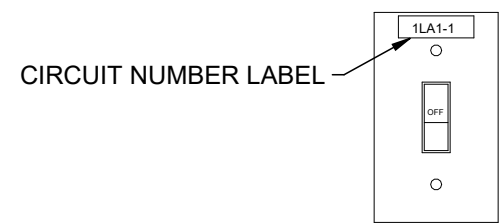
COORDINATE VOLTAGE VALUES WITH ONE-LINE

MATCH NAME OF EQUIPMENT WITH NAMES ON ONE-LINE

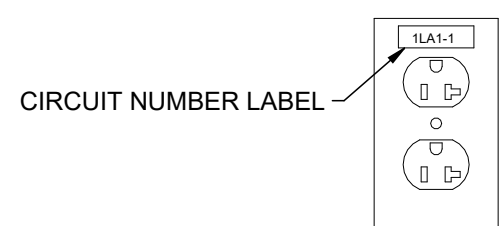
PROVIDE ADDRESS WHERE SKM ANALYSIS IS PERFORMED

PROVIDE JOB NUMBER "20140543", DATE OF ANALYSIS AND ENGINEER WHO PERFORMED STUDY

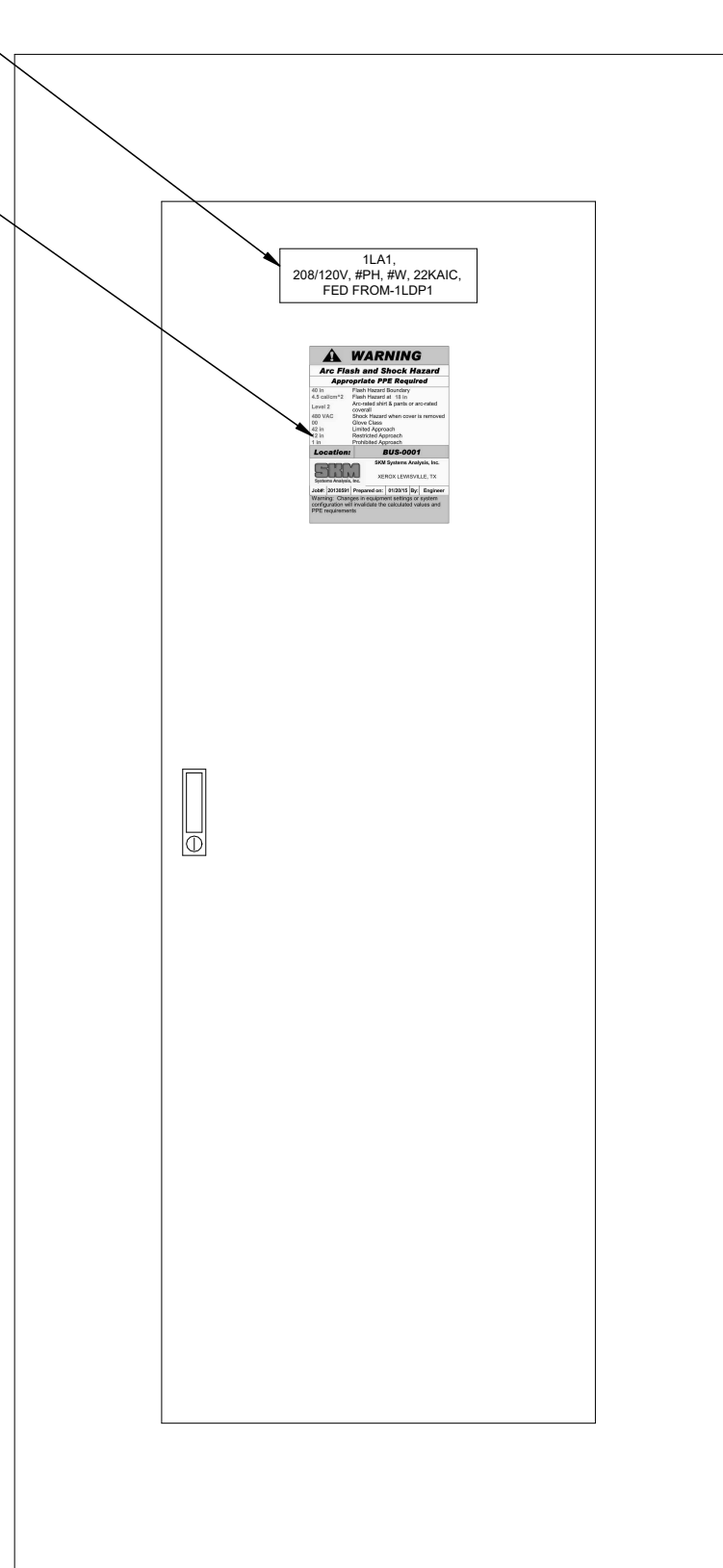
*PROVIDE ARC FLASH LABEL WITH VALUES FROM STUDY FOR ALL ELECTRICAL EQUIPMENT. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILS.



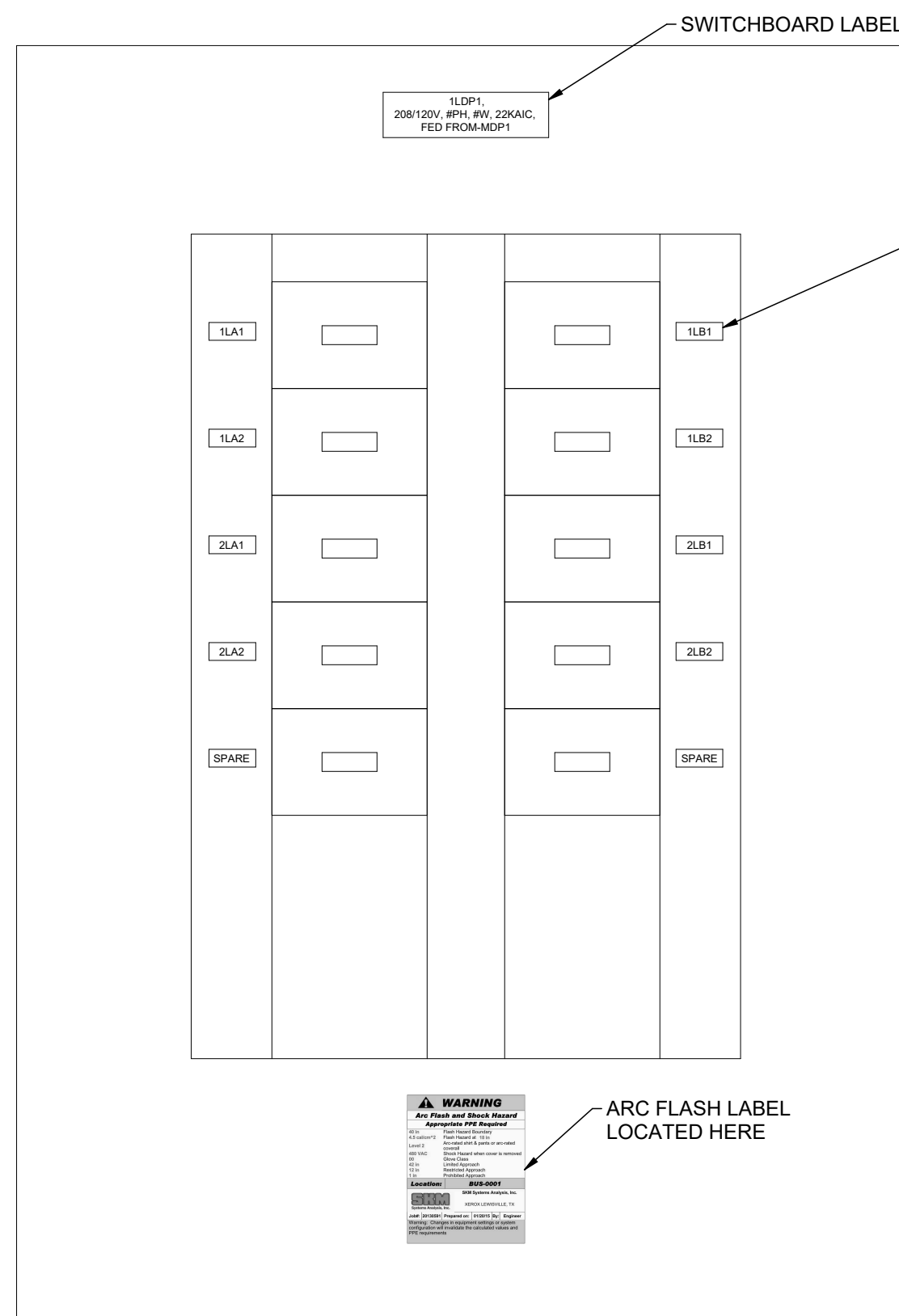
TYPICAL SWITCH LABEL LOCATION



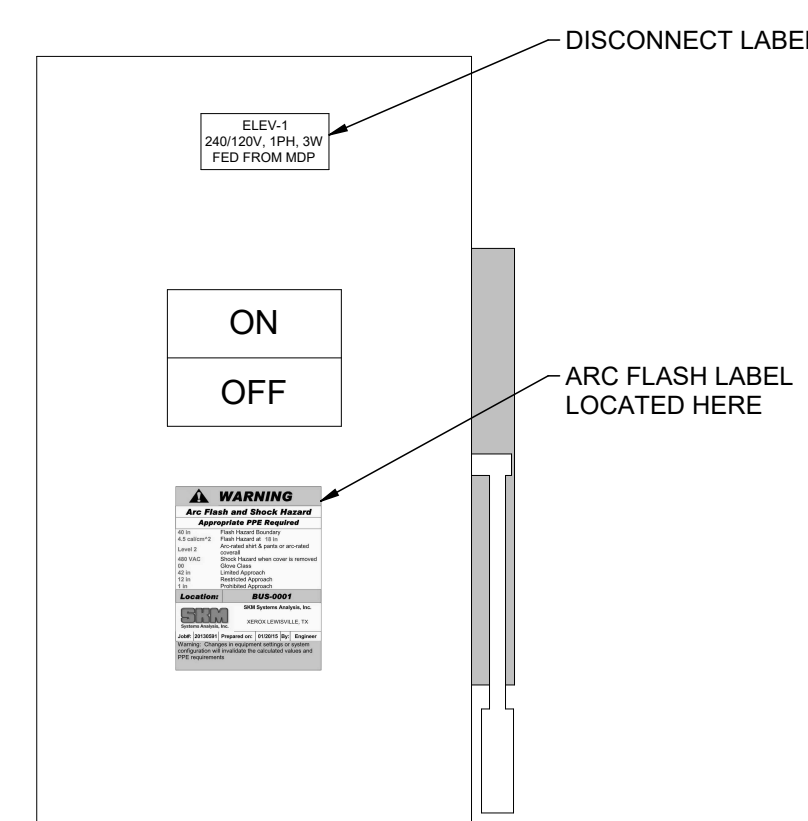
TYPICAL RECEPTACLE LABEL LOCATION



TYPICAL LABELING FOR PANELBOARDS IN NON-PUBLIC LOCATIONS



TYPICAL LABELING FOR SWITCHBOARDS



TYPICAL LABELING FOR DISCONNECTS

NOTES:
LABEL TO BE CENTERED IN EQUIPMENT, PREFERABLE ON FACE OF EQUIPMENT AND TOWARDS THE TOP.
REFER TO TYPICAL SWITCH/RECEPTACLE LABELING DETAIL FOR LABEL REQUIREMENTS.
DISPOSE OF AN EXISTING PANELBOARD NAME PLATES WHEN INSTALLING NEW NAME PLATES.

2 TYPICAL ARC FLASH LABEL

SCALE: NTS

A3 TYPICAL SWITCH, RECEPTACLE AND PANELBOARD/SWITCHBOARD LABELING LOCATION DETAIL

SCALE: NTS

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M/P/FP ENGINEER
RESOLUT GROUP
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E/ ENGINEER
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Intermountain Health
UTAH VALLEY SPORTS PERFORMANCE CENTER

SEAL & SIGNATURE

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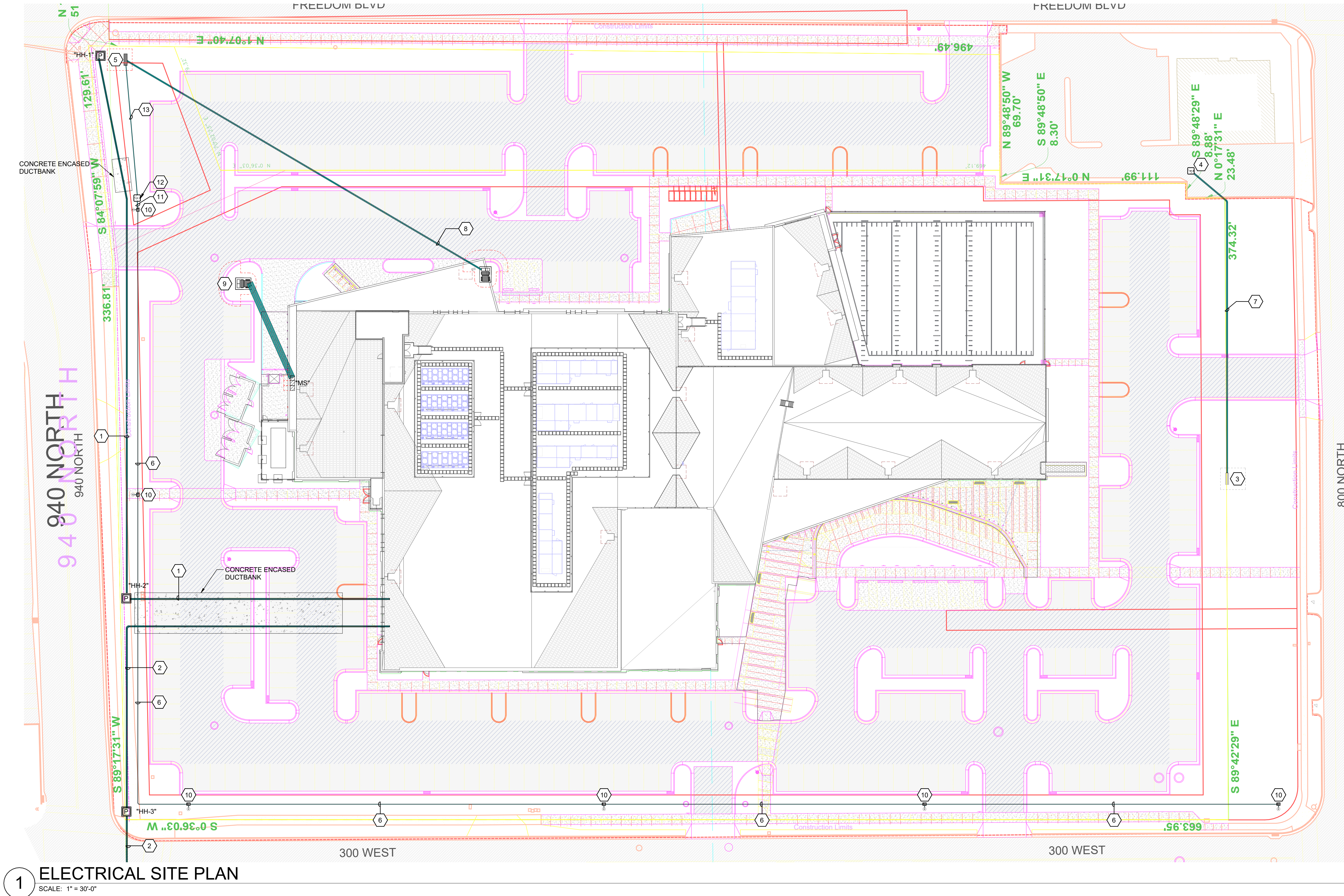
DESIGN DEVELOPMENT

SHEET TITLE

TYPICAL LABELING DETAILS

SHEET NO.

EE702



1 ELECTRICAL SITE PLAN
SCALE: 1" = 30'-0"

GENERAL SHEET NOTES

- 1 THE ELECTRICAL CONTRACTOR SHALL MEET WITH AND COORDINATE WITH ALL SERVICE PROVIDERS (POWER, COMMUNICATION, CABLE/SATELLITE, ETC.) TO THE FACILITY ON SITE PRIOR TO ANY WORK BEING PERFORMED. CONFIRM WITH EACH SERVICE PROVIDER EXACT LOCATIONS OF EQUIPMENT AND ROUTING. COMPLY WITH ALL SERVICE PROVIDER'S CURRENT STANDARDS AND REQUIREMENTS. PROVIDE THE REQUIRED EQUIPMENT, RACEWAYS, BOXES, CABLE, ETC. AS REQUIRED BY THE SERVICE PROVIDER WHETHER SHOWN ON THE DRAWINGS OR NOT.
- 2 FOR ALL LIGHT FIXTURES, POLE LIGHTS, AND ALL OTHER ELECTRICAL DEVICES THE CONTRACTOR SHALL COORDINATE EXACT LOCATION AND MOUNTING HEIGHTS WITH ARCHITECT, OWNER, ENGINEER, AND ALL OF THE CONTRACT DOCUMENTS PRIOR TO ROUGH IN AND TRENCHING.
- 3 CONTRACTOR IS RESPONSIBLE FOR ALL TRENCHING, BACKFILL, AND COMPACTION ASSOCIATED TO ALL ELECTRICAL UNDERGROUND RACEWAYS AND CABLES. COORDINATE WITH ARCHITECTURAL AND CIVIL DRAWINGS. SEE UNDERGROUND RACEWAY DETAILS FOR REQUIREMENTS FOR EACH TRENCH.
- 4 CONTRACTOR SHALL INSTALL POLE MOUNTED LIGHTS IN STRAIGHT LINES, SQUARE, AND PLUMB. COORDINATE WITH ARCHITECT AND CIVIL DRAWINGS.
- 5 THE ELECTRICAL CONTRACTOR SHALL HAVE ANY AND ALL CONCRETE POLE BASES AND SLABS REVIEWED BY A STRUCTURAL ENGINEER AND SHALL MODIFY DESIGN PER STRUCTURAL ENGINEER'S AND OR AHJ'S RECOMMENDATIONS.
- 6 PROVIDE BATTERY PACKS IN ALL EXTERIOR FIXTURES ADJACENT TO EGRESS DOORS.
- 7 PROVIDE PHOTOCELL ON NORTH SIDE OF FACILITY TO CONTROL EXTERIOR LIGHTS.
- 8 ALL EXTERIOR RECEPTACLES SHOWN SHALL BE NEMA 5-20R GFCI "WEATHER RESISTANT" RECEPTACLE WITH "WEATHER PROOF IN-USE COVER."
- 9 THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CONCRETE/ASPHALT CUTTING AND REPLACEMENT OF CONCRETE/ASPHALT TO MATCH EXISTING ASSOCIATED WITH UNDERGROUND RACEWAYS PROVIDED AS PART OF THIS PROJECT.
- 10 REFER TO PLANS FOR CONSTRAINTS ON PHYSICAL DIMENSIONS AND CLEARANCE REQUIREMENTS OF EQUIPMENT. PROVIDE EQUIPMENT DIMENSIONS THAT FALL WITHIN THE CONSTRAINTS OF EACH SPECIFIC LOCATION.
- 11 PROVIDE SERVICE RATED EQUIPMENT AT EACH SERVICE ENTRANCE.
- 12 SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT. VERIFY OR RE-CALCULATE THE AVAILABLE FAULT CURRENT AT THE SERVICE WHERE MODIFICATIONS TO THE ELECTRICAL INSTALLATION OCCUR. PLEASE INCLUDE NOTES IN THE ELECTRICAL DRAWINGS OR SUPPLY CALCULATIONS WHERE APPLICABLE. SEE NEC 110.24.(B)

SHEET KEYNOTES

- 1 CONTRACTOR TO PROVIDE AND INSTALL (4) 4" CND W/ (3) 1.25" INNERDUCT IN EACH CND.
- 2 CONTRACTOR TO PROVIDE AND INSTALL (4) 4" CND TO EXISTING VAULT W/ (2) 16/13MM MICRODUCT PATH "A" (2) 16/13MM MICRODUCT PATH "B" AND (1) 1.25" INNERDUCT IN (1) 4" CND & (3) 1.25" INNERDUCT IN (3) 4" CND.
- 3 EXISTING PROVO POWER SECTIONALIZER SWITCH.
- 4 STUB (2) 4" CONDUITS TO NEW UTILITY DOME BOX (PROVIDED AND INSTALLED BY PROVO POWER). COORDINATE EXACT LOCATION FOR CREDIT UNION UTILITY CONNECTION WITH PROVO POWER PRIOR TO EXCAVATION.
- 5 NEW PROVO POWER SECTIONALIZER SWITCH AND PAD PROVIDED AND INSTALLED BY PROVO POWER. STUB CONDUITS TO SECTIONALIZER LOCATION. EXTEND (1) SPARE 4" CONDUIT FROM SECTIONALIZER SWITCH LOCATION TO 3'-0" BEYOND SWITCH PAD AND CAP FOR FUTURE USE.
- 6 PROVIDE (1) 3" CONDUIT BETWEEN STREET LIGHT BOXES.
- 7 PROVIDE (2) 4" EMPTY CONDUITS WITH PULL STRINGS FOR CREDIT UNION PRIMARY FEEDERS (PROVIDED AND INSTALLED BY PROVO POWER).
- 8 PROVIDE (2) 4" CONDUITS FOR BUILDING UTILITY PRIMARY SERVICE (CONDUCTORS PROVIDED AND INSTALLED BY PROVO POWER).
- 9 UTILITY MEDIUM VOLTAGE TRANSFORMER PROVIDED AND INSTALLED BY PROVO POWER. PROVIDE CONCRETE TRANSFORMER PAD. COORDINATE EXACT REQUIREMENTS WITH PROVO POWER.
- 10 PROVIDE NEW IN GRADE STREET LIGHT BOX. PROVIDE (1) 2" CONDUIT FROM STREET LIGHT BOX TO STREET LIGHT POLE. REFER TO CITY OF PROVO STREET LIGHT INSTALLATION DETAILS FOR SPECIFICATION OF STREET LIGHT BOX AND INSTALLATION WIRING CONFIGURATION.
- 11 PROVIDE (1) 3" CONDUIT FROM DOME BOX TO NEW IN-GRADE STREET LIGHT BOX.
- 12 NEW DOME BOX PROVIDED AND INSTALLED BY PROVO POWER. COORDINATE CONDUIT STUB UP LOCATIONS WITH PROVO POWER.
- 13 PROVIDE (1) 3" CONDUIT WITH CONDUCTORS FROM PROVO POWER SECTIONALIZER SWITCH TO NEW DOME BOX (PROVIDED AND INSTALLED BY PROVO POWER).

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Intermountain
Health

SEAL & SIGNATURE

KEY PLAN

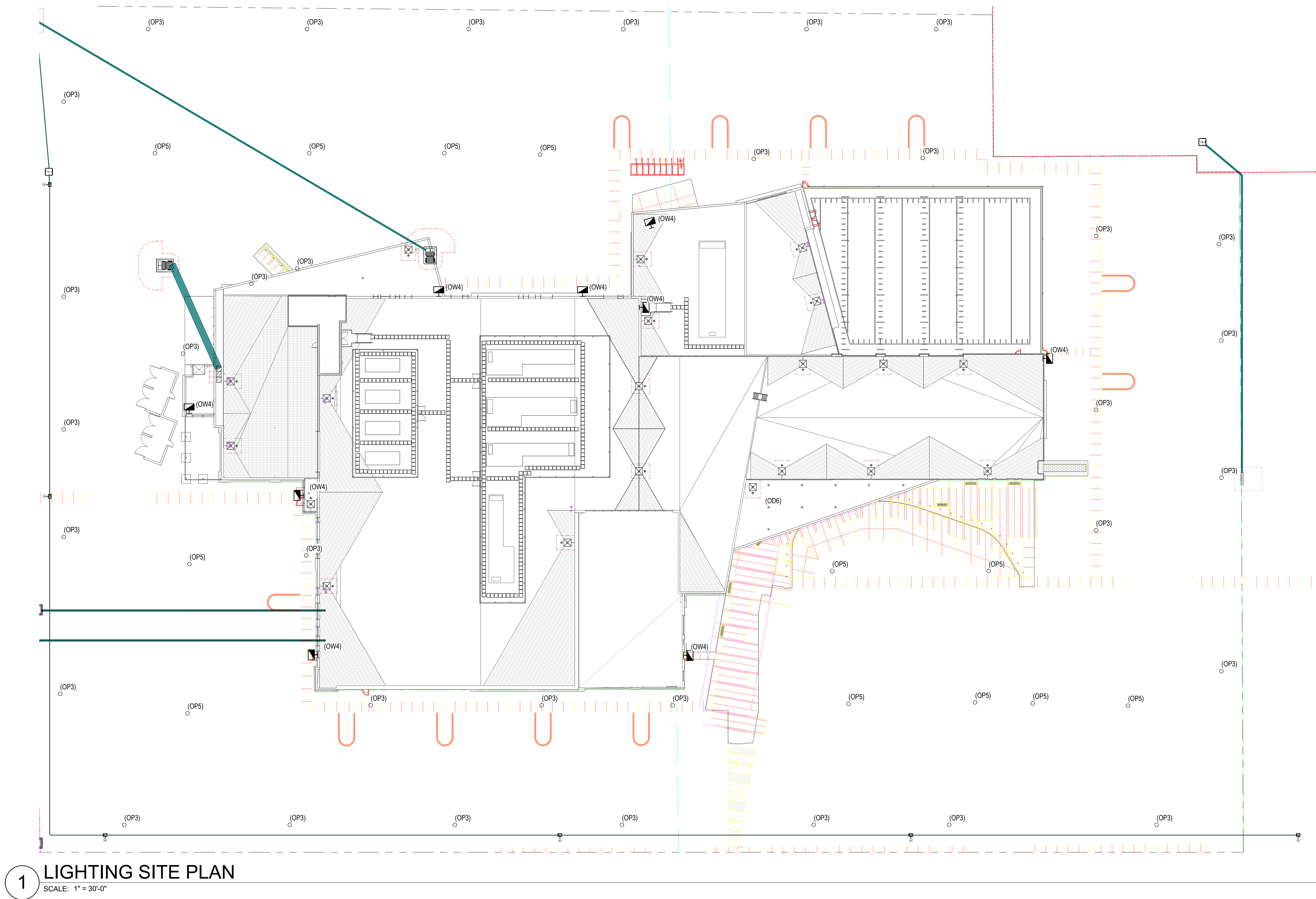
REVISION NO.	DESCRIPTION	DATE
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HKS PROJECT NUMBER
27487.000
DATE
8/26/2026
ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
ELECTRICAL SITE PLAN

SHEET NO.

ES101



1 LIGHTING SITE PLAN
SCALE: 1" = 30'-0"

GENERAL SHEET NOTES

- 1 THE ELECTRICAL CONTRACTOR SHALL MEET WITH AND COORDINATE WITH ALL SERVICE PROVIDERS (POWER, COMMUNICATION, CABLE/SATELLITE, ETC.) TO THE FACILITY ON SITE PRIOR TO ANY WORK BEING PERFORMED. CONFIRM WITH EACH SERVICE PROVIDER EXACT LOCATIONS OF EQUIPMENT AND ROUTING. COMPLY WITH ALL SERVICE PROVIDER'S CURRENT STANDARDS AND REQUIREMENTS. PROVIDE THE REQUIRED EQUIPMENT, RACEWAYS, BOXES, CABLE, ETC. AS REQUIRED BY THE SERVICE PROVIDER WHETHER SHOWN ON THE DRAWINGS OR NOT.
- 2 FOR ALL LIGHT FIXTURES, POLE LIGHTS, AND ALL OTHER ELECTRICAL DEVICES THE CONTRACTOR SHALL COORDINATE EXACT LOCATION AND MOUNTING HEIGHTS WITH ARCHITECT, OWNER, ENGINEER, AND ALL OF THE CONTRACT DOCUMENTS PRIOR TO ROUGH IN AND TRENCHING.
- 3 CONTRACTOR IS RESPONSIBLE FOR ALL TRENCHING, BACKFILL, AND COMPACTION ASSOCIATED TO ALL ELECTRICAL UNDERGROUND RACEWAYS AND CABLES. COORDINATE WITH ARCHITECTURAL AND CIVIL DRAWINGS. SEE UNDERGROUND RACEWAY DETAILS FOR REQUIREMENTS FOR EACH TRENCH.
- 4 CONTRACTOR SHALL INSTALL POLE MOUNTED LIGHTS IN STRAIGHT LINES, SQUARE, AND PLUMB. COORDINATE WITH ARCHITECT AND CIVIL DRAWINGS.
- 5 THE ELECTRICAL CONTRACTOR SHALL HAVE ANY AND ALL CONCRETE POLE BASES AND SLABS REVIEWED BY A STRUCTURAL ENGINEER AND SHALL MODIFY DESIGN PER STRUCTURAL ENGINEER'S AND OR AHJ'S RECOMMENDATIONS.
- 6 PROVIDE BATTERY PACKS IN ALL EXTERIOR FIXTURES ADJACENT TO EGRESS DOORS.
- 7 PROVIDE PHOTOCELL ON NORTH SIDE OF FACILITY TO CONTROL EXTERIOR LIGHTS.
- 8 ALL EXTERIOR RECEPTACLES SHOWN SHALL BE NEMA 5-20R GFCI "WEATHER RESISTANT" RECEPTACLE WITH "WEATHER PROOF IN-USE COVER."
- 9 THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CONCRETE/ASPHALT CUTTING AND REPLACEMENT OF CONCRETE/ASPHALT TO MATCH EXISTING ASSOCIATED WITH UNDERGROUND RACEWAYS PROVIDED AS PART OF THIS PROJECT.
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SHEET KEYNOTES

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SEAL & SIGNATURE

KEY PLAN

REVISION NO.	DESCRIPTION	DATE
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HKS PROJECT NUMBER

27487.000

DATE

8/26/2026

ISSUE

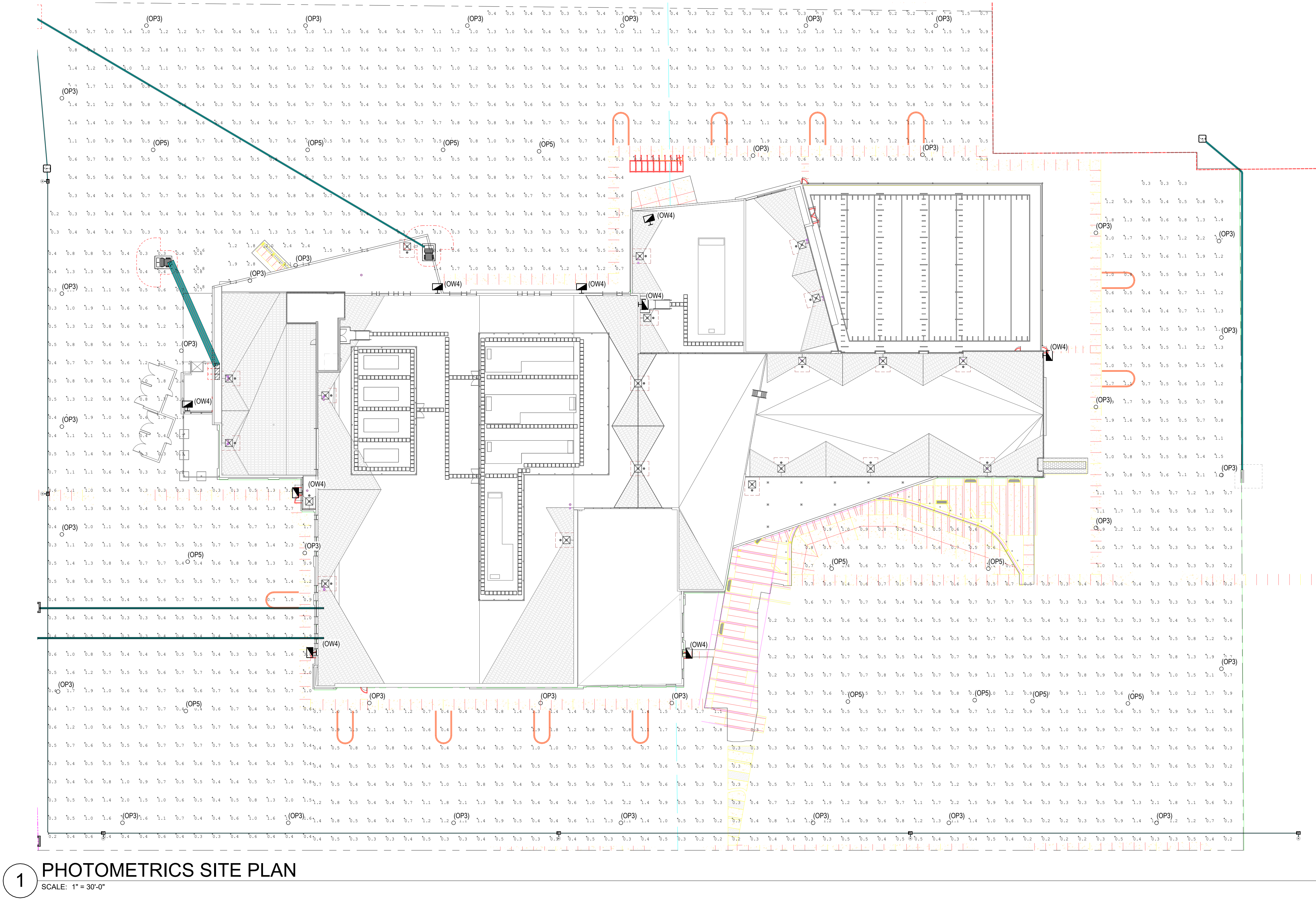
DESIGN DEVELOPMENT

SHEET TITLE

LIGHTING SITE PLAN

SHEET NO.

ES300



1 PHOTOMETRICS SITE PLAN
SCALE: 1" = 30'-0"

GENERAL SHEET NOTES

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

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Intermountain
Health
UTAH VALLEY SPORTS
PERFORMANCE CENTER

PROJECT ADDRESS: WEST 180 NORTH, 200 WEST PROVID, UTAH 84004

KEY PLAN

REVISION
NO. DESCRIPTION DATE

HKS PROJECT NUMBER
27487.000
DATE
8/26/2026
ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
**PHOTOMETRICS SITE
PLAN**

SHEET NO.

ES301

TITLE BLOCK VERSION: 20210830
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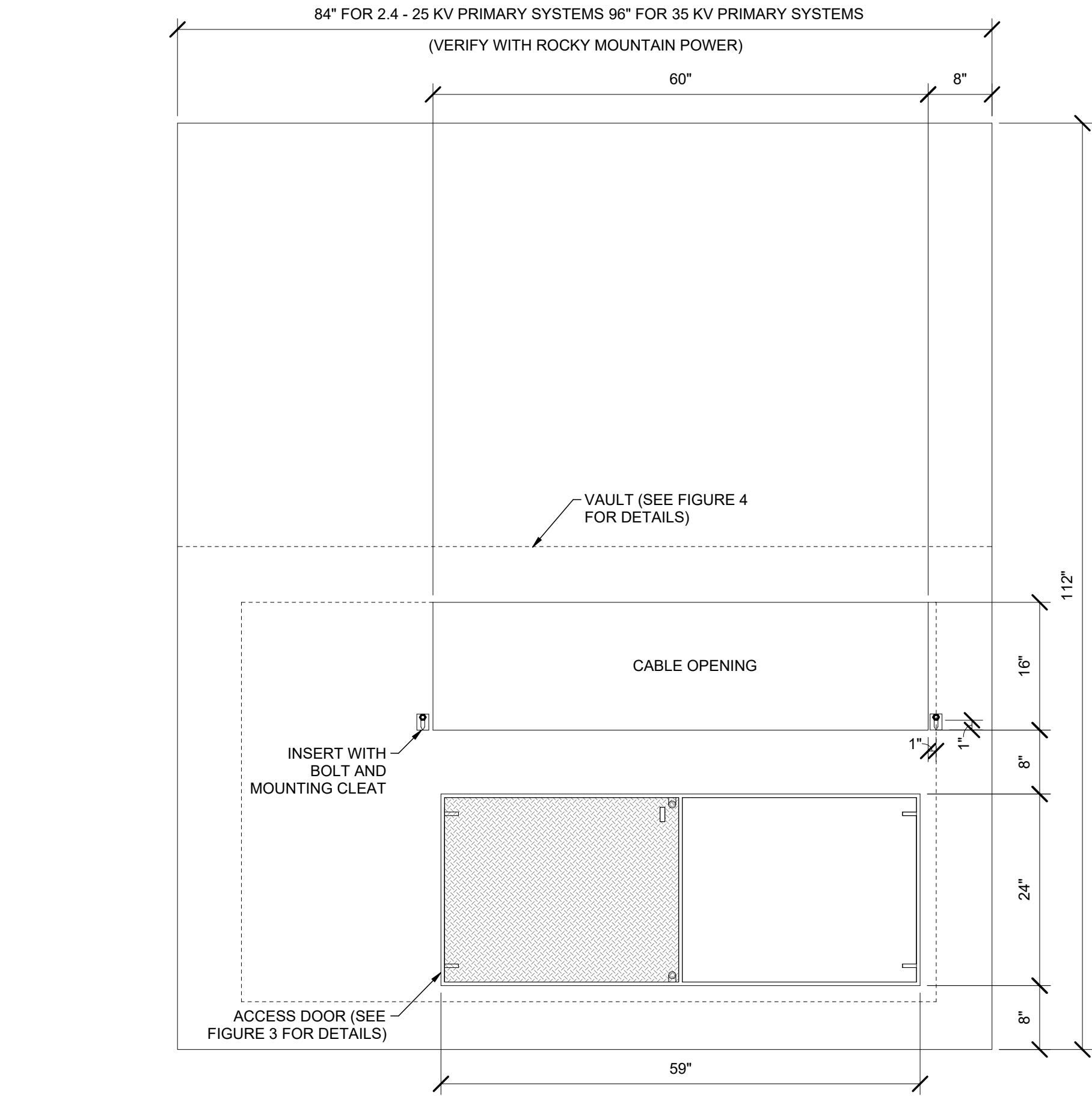


FIGURE 2 - PADVAULT PAD WITH ACCESS 84" OR 96" WIDE

2.4 - 25KV, 3-PHASE TRANSFORMER PADVAULT WITH ACCESS, STOCK ITEM 7992600-STOCK ITEM 1790023

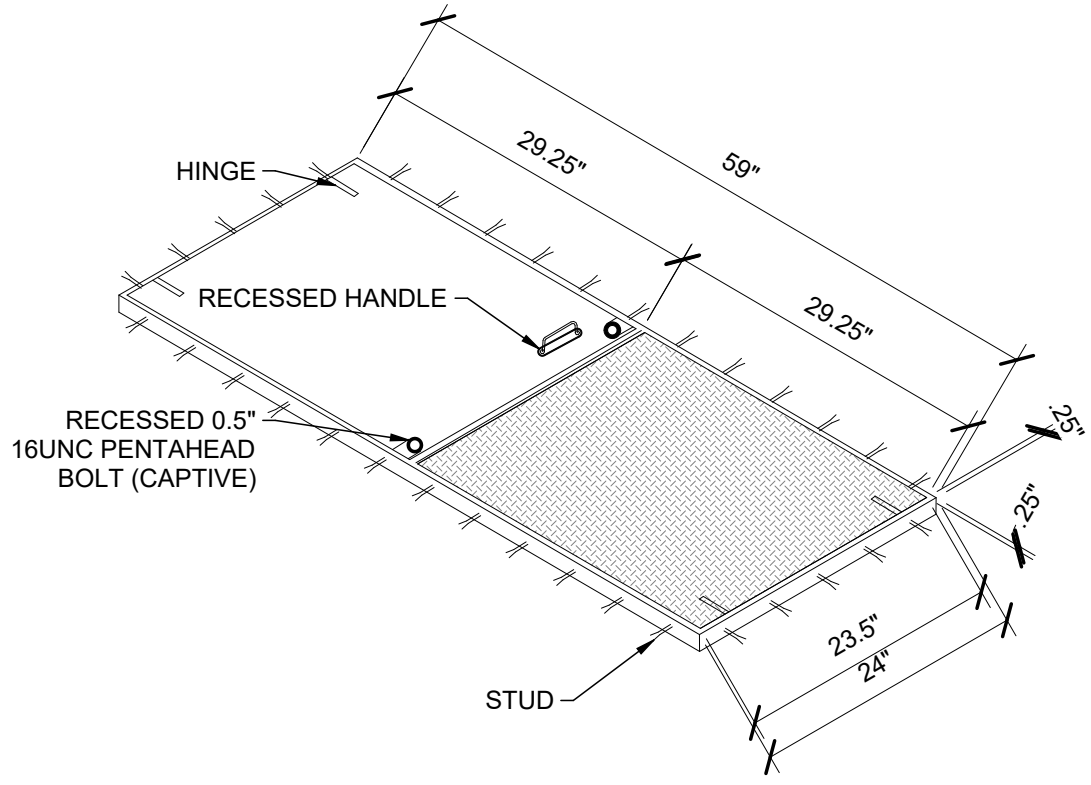
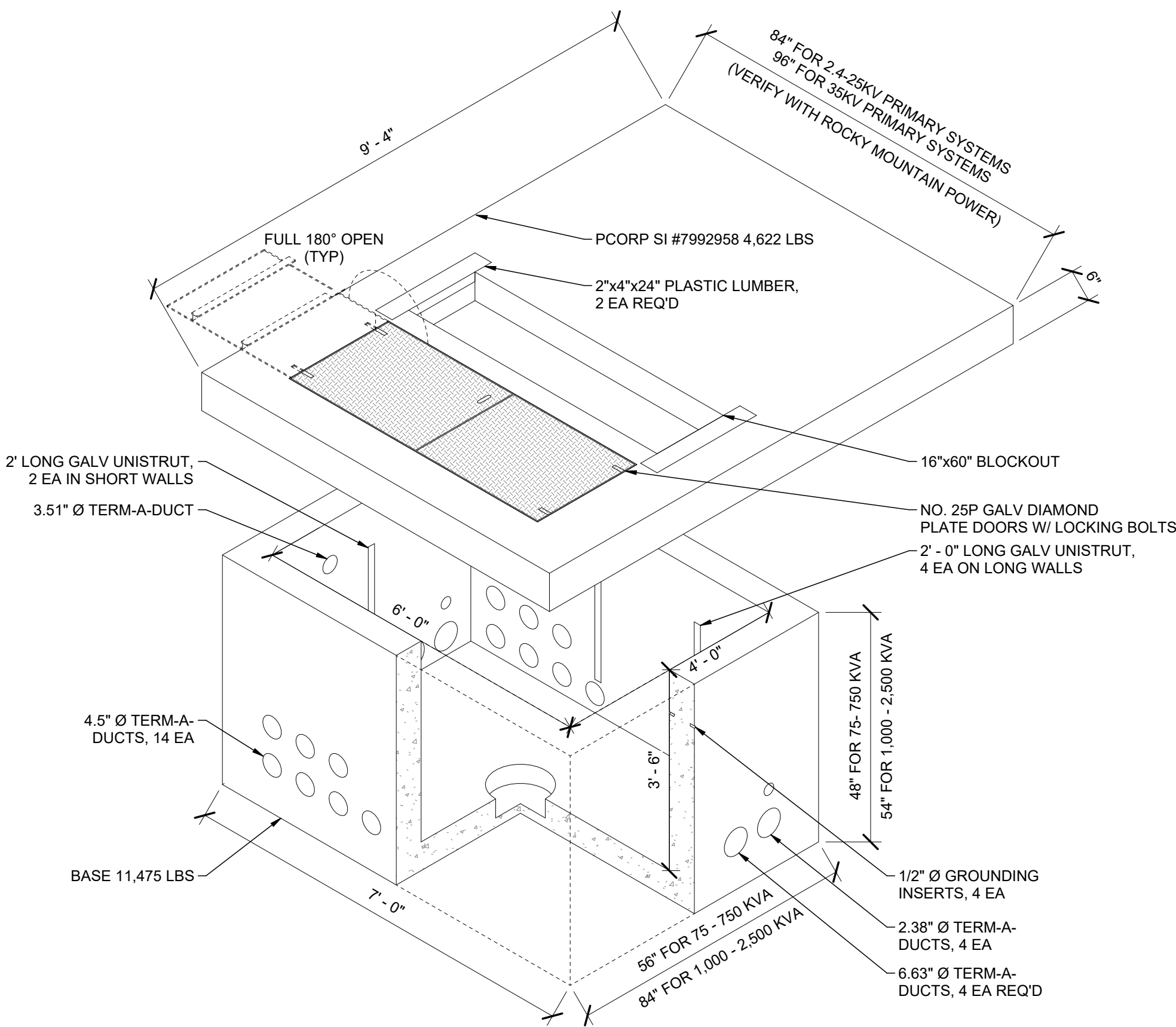
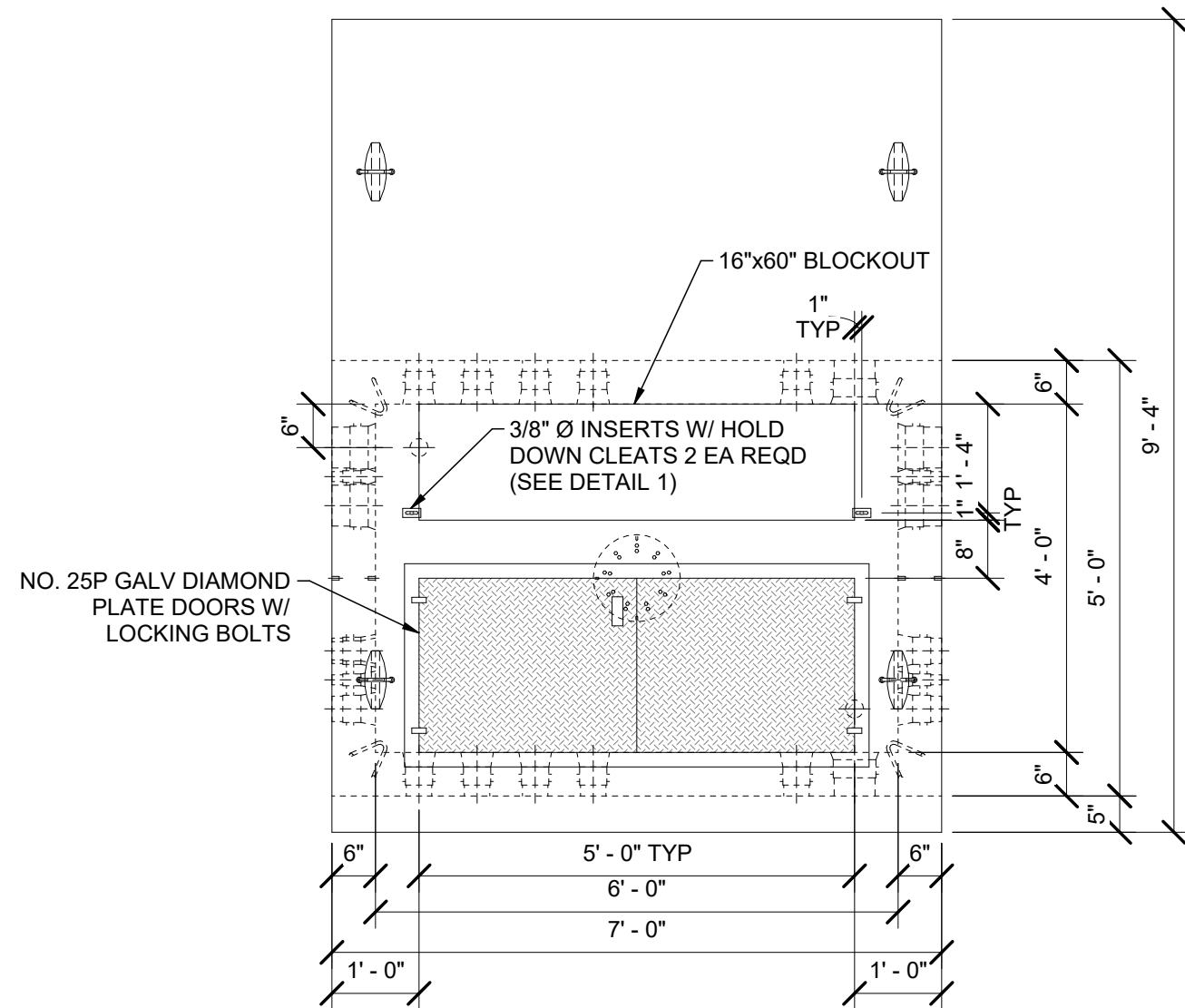
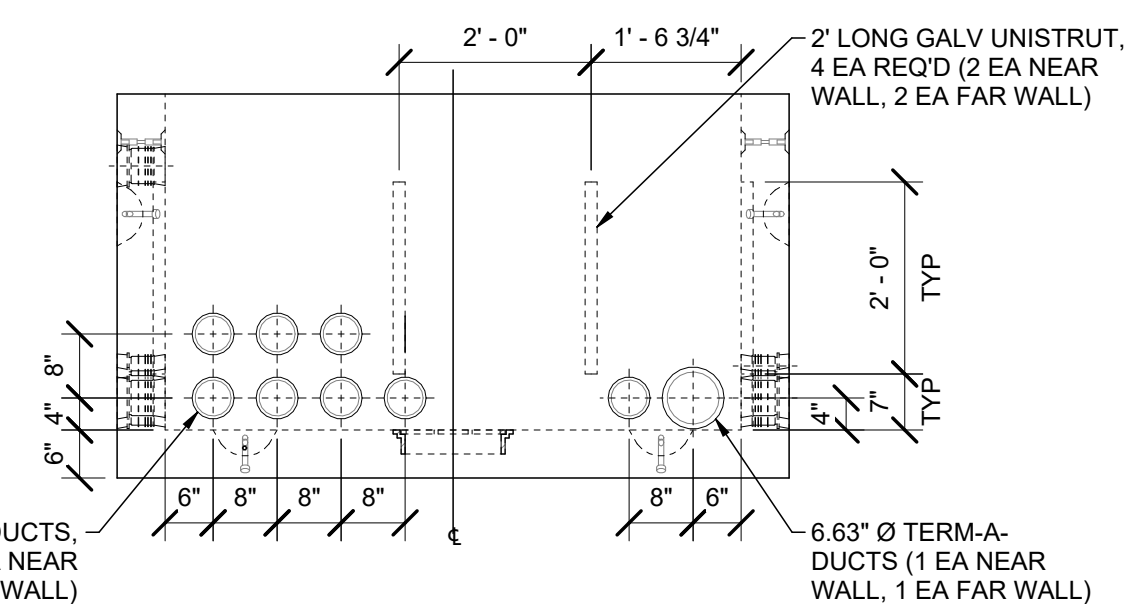


FIGURE 3 - ACCESS DOOR DETAIL

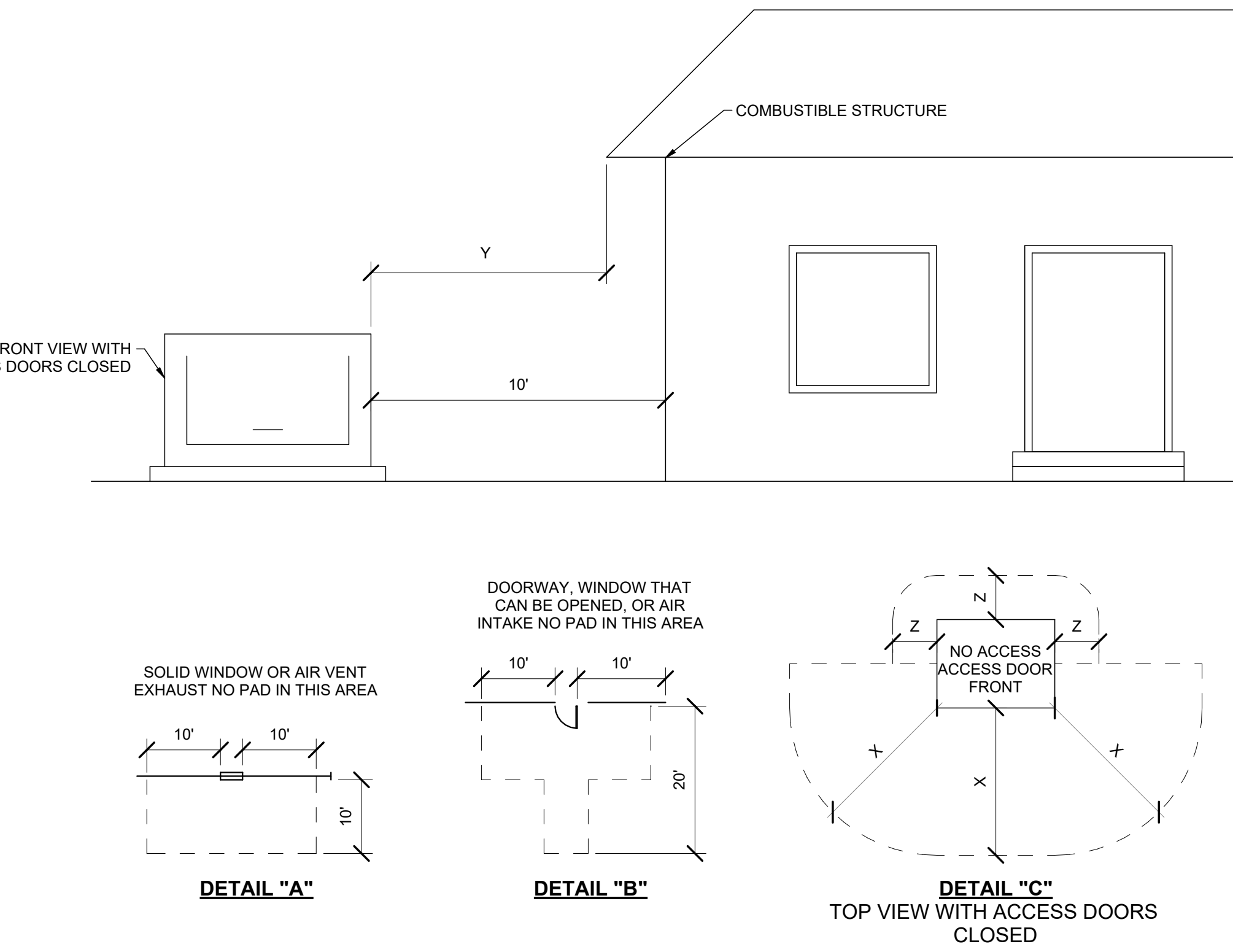


PLAN VIEW

2.4-25 KV, 3-PHASE TRANSFORMER PADVAULT WITH ACCESS
PCORP #7992600 - SI #1790023



ELEVATION VIEW



MINIMUM DISTANCE REQUIRED FROM PAD:

X = 10 FT. CLEAR AREA IN FRONT OF, ANY EQUIPMENT ACCESS DOOR OR OPENING TO ALLOW THE USE OF HOT STICKS. (SEE DIMENSIONS IN DETAIL "C". LOCATE PADMOUNTED EQUIPMENT WITH ACCESS DOORS AWAY FROM BUILDING WALLS OR OTHER BARRIERS TO ALLOW SAFE WORKING PRACTICES. IF THE EQUIPMENT ACCESS SIDE MUST FACE A WALL, ALLOW 10 FEET FOR WORKING CLEARANCE. NO VEGETATION OR TRIP HAZARDS IN THIS WORK SPACE ARE PERMITTED.)

Y = 8 FT FROM ANY STRUCTURE OR ROOF OVERHANG CONSISTING OF COMBUSTIBLE MATERIAL. 3 FT TO NON-COMBUSTIBLE STRUCTURES HAVING NO OPENINGS CLOSER THAN 10 FT.

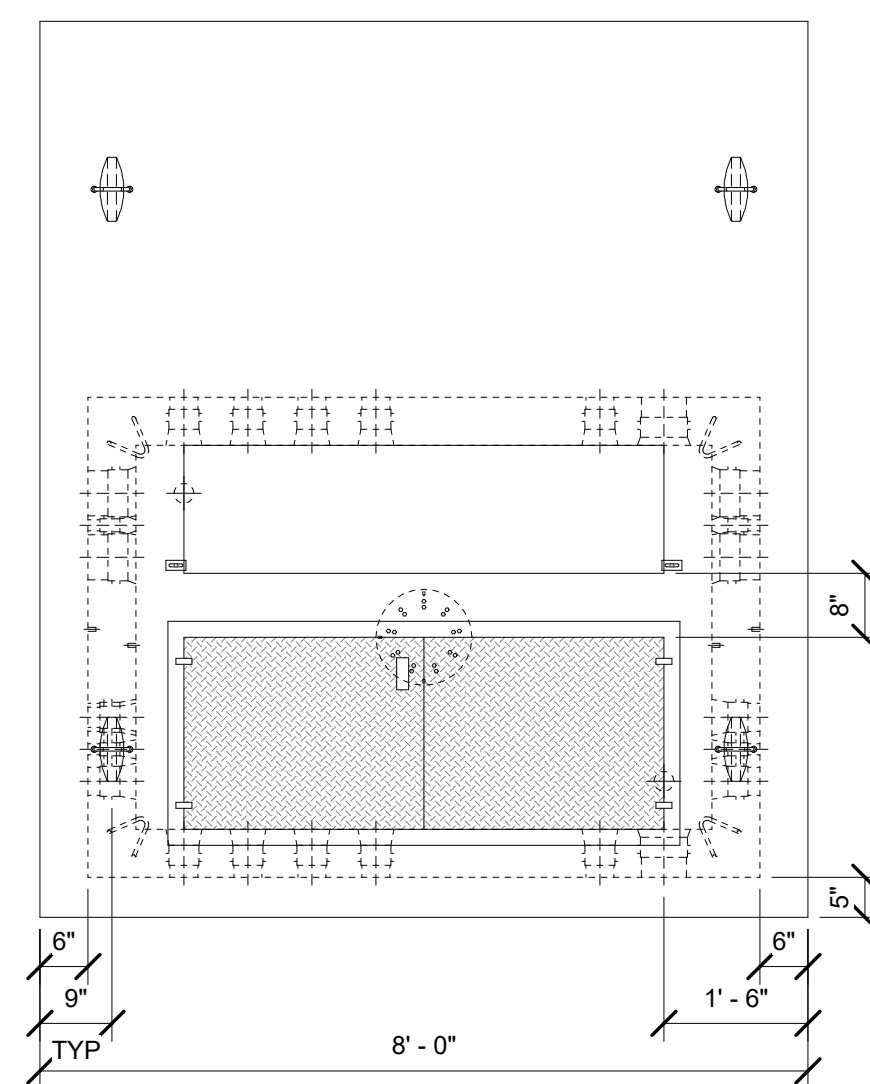
Z = 3 FT CLEAR AREA ON NON-ACCESS SIDES OF THE EQUIPMENT TO ALLOW WORK SPACE. (SEE DIMENSIONS IN DETAILS "C"). 6" FROM ANY METALLIC OBJECT INCLUDING THE METERING EQUIPMENT. AND 8" FROM ANY COMBUSTIBLE SURFACE.

CLEARANCE GENERAL NOTES:

- CLEARANCES: THE FRONT OF THE PAD SHOULD ALWAYS FACE AWAY FROM ADJACENT STRUCTURES AND BE FREE OF OBSTRUCTIONS. AT LEAST 3 FEET MUST SEPARATE THE EDGES OF THE PAD FROM ANY ADJACENT STRUCTURE. THE EDGES OF THE PAD MUST BE AT LEAST 10 FEET FROM ANY COMBUSTIBLE STRUCTURE. IF AN ADJACENT STRUCTURE HAS ANY OVERHANG OR EAVE WITHIN 27 VERTICAL FEET OF THE TOP OF THE PAD, CLEARANCES MUST BE MEASURED FROM THE OUTSIDE OF THE OVERHANGS. THE PAD MUST NOT BE PLACED IN AN AREA 10 FEET IN LINE WITH OR 10 FEET TO EITHER SIDE OF ANY WINDOW IN AN ADJACENT STRUCTURE (SEE DETAIL "A"). CLEARANCE FOR A DOOR MUST BE 20 FEET IN LINE WITH IT AND 10 FEET ON THE SIDES (SEE DETAIL "B"). PADS MUST NOT BE PLACED WITHIN 15 FEET OF ANY VALVE OR WITHIN 25 FEET OF ANY PLUMBING OR STORAGE FACILITY CONTAINING FLAMMABLE MATERIAL. NO WALLS, FENCES, OR ANY OTHER OBSTRUCTIONS WILL BE PLACED WITHIN 3 FEET OF THE SIDES OR BACK OF THE PAD, OR WITHIN 10 FEET OF THE FRONT OF THE PAD (SEE DETAIL "C"). THE AREA IN FRONT OF THE PAD MUST HAVE 10 FEET OF CLEAR, LEVEL WORKING AREA FOR MAINTENANCE OF THE TRANSFORMER. THE PAD MAY NOT BE PLACED IN LINE WITH AN AIR INTAKE WITHIN 32 VERTICAL FEET OF THE SURFACE PAD. ALSO VERTICALLY, IT MUST NOT BE PLACED WITHIN 12 FEET OF A DOOR OR WINDOW. VAULTS SHALL BE LOCATED WITHIN 15 FEET OF A GRAVELED OR PAVED SURFACE SUITABLE FOR INCIDENTAL HEAVY TRUCK ACCESS.
- BARRIERS: IF THE TRANSFORMER PAD IS TO BE LOCATED IN AREAS SUBJECT TO VEHICULAR TRAFFIC, (PARKING LOTS, DRIVEWAYS, ETC) CONTACT ROCKY MOUNTAIN POWER FOR PROTECTIVE BARRIER REQUIREMENTS.
- IF THE TRANSFORMER WILL NOT COVER THE CABLE OPENINGS ON THESE STANDARD PADS, SEAL THE SIDES OF THE CABLE OPENING TO FIT THE TRANSFORMER USING SACKRETE OR COMPARABLE.

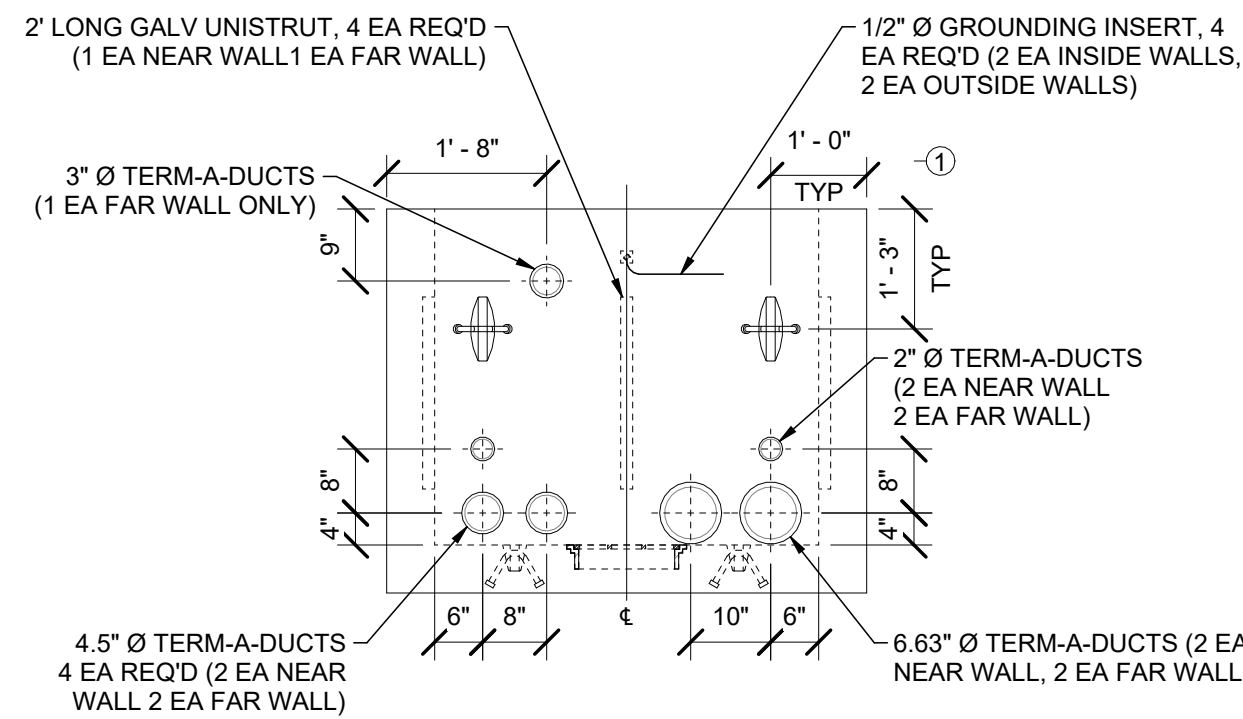
D4 TRANSFORMER CLEARANCE DETAIL

SCALE: NTS



PLAN VIEW

35 KV, 3-PHASE TRANSFORMER PADVAULT WITH ACCESS
PCORP #7992602 - SI #1700877



END VIEW

*LIFTING DEVICE TYPE & LOCATION MAY CHANGE WITHOUT NOTICE.

GENERAL SHEET NOTES

- SCOPE
THIS MATERIAL SPECIFICATION OUTLINES THE MINIMUM REQUIREMENTS FOR PADVAULTS TO BE USED IN CONJUNCTION WITH PACIFICORP-OWNED THREE-PHASE TRANSFORMERS (SEE FIGURE 1). THE MATERIAL SPECIFICATION APPLIES WHETHER THE PADVAULT IS TO BE INSTALLED BY COMPANY PERSONNEL, CONTRACTOR, CUSTOMER, OR THE SUPPLIER.
- APPLICABLE DOCUMENTS
THE LATEST REVISIONS OF THE DOCUMENTS, STANDARDS, CODES, AND REQUIREMENTS LISTED IN 2.1, PACIFICORP, AND 2.2, CODES AND STANDARDS, IN EFFECT ON THE DATE OF INVITATION TO BID APPLY TO THE EXTENT SPECIFIED HEREIN.
2.1 PACIFICORP
ZG 301 GENERAL EQUIPMENT BASE AND ENCLOSURE REQUIREMENTS
ZG 311 CONCRETE REQUIREMENTS
2.2 CODES AND STANDARDS
WESTERN UNDERGROUND COMMITTEE GUIDE 2.13, SECURITY FOR PADMOUNTED EQUIPMENT ENCLOSURES
APPLICABLE CODES
ANSI STANDARDS
IEEE STANDARDS
NEMA STANDARDS
- GENERAL
3.1 APPLICATION INFORMATION
THIS MATERIAL SPECIFICATION STATES MATERIAL AND CONSTRUCTION REQUIREMENTS THAT ARE APPLICABLE TO ALL THREE-PHASE TRANSFORMER PADVAULTS.
3.2 AUTHORIZED MATERIAL SPECIFICATION
THIS MATERIAL SPECIFICATION IS NOT CONSIDERED VALID UNTIL EACH PAGE CONTAINS THE APPROVAL SIGNATURE OR INITIALS OF THE PERSONS NAMED IN THE TITLE BLOCKS.
4. APPLICABLE STOCK ITEM NUMBERS
MATERIALS BEING SUBMITTED FOR THE FOLLOWING PACIFICORP STOCK ITEM NUMBERS ARE SUBJECT TO EVALUATION IN ACCORDANCE WITH REQUIREMENTS IN THIS MATERIAL SPECIFICATION.
7992600, PADVAULT, TRANSFORMER, 3-PHASE, 75-750 KVA
7992658, PADVAULT, TRANSFORMER, 3-PHASE, 1000-2500 KVA
- PRODUCT AND INSTALLATION REQUIREMENTS
THE PURPOSE OF A THREE-PHASE TRANSFORMER PADVAULT IS TO SUPPORT A THREE-PHASE TRANSFORMER.
5.1 PADVAULT LAYOUT
THE THREE-PHASE TRANSFORMER PADVAULT IS COMPOSED OF TWO PIECES: (1) THE PAD, AND (2) THE ENCLOSURE. UNLESS OTHERWISE APPROVED BY PACIFICORP ENGINEERING, ALL DIMENSIONS AND PLACEMENT OF HARDWARE SHALL CONFORM TO THOSE SHOWN ON THIS SHEET. THE ENCLOSURE IS COMMON TO ALL PADVAULTS COVERED BY THIS MATERIAL SPECIFICATION. ZG 531, PADVAULT-THREE-PHASE SPECIALIZING CABINET, AND ZG 551, PADVAULT-THREE-PHASE FUSING CABINET.
5.2 INSERTS
TWO .375" 16UNC STAINLESS STEEL OR NYLON THREADED INSERTS AND STAINLESS STEEL BOLTS WITH CLEATS FOR MOUNTING THE TRANSFORMER SHALL BE PLACED IN THE PAD AS SHOWN IN FIGURE 2.
5.3 PULLING ATTACHMENTS
CABLE PULLING ATTACHMENTS SHALL BE INSTALLED OPPOSITE OF EACH SET OF CONDUIT BREAKOUTS SUCH THAT BLOCKS MAY BE ATTACHED FOR A STRAIGHT CABLE PULL. PULLING ATTACHMENTS SHALL HAVE A MINIMUM PULLOUT STRENGTH OF 6000 POUNDS. ATTACHMENTS SHALL ALLOW THE ATTACHMENT OF A CLEVIS WITH A ONE-INCH DIAMETER THROUGH BOLT. PULLING ATTACHMENTS MAY BE DESIGNED BY THE MANUFACTURER TO MEET THESE REQUIREMENTS.
5.4 CONDUIT ENTRANCES
BANKS OF NINE (9) SIX-INCH SQUARE BREAKOUTS SHALL BE USED FOR CONDUIT ENTRANCES. TWO BANKS OF KNOCKOUTS SHALL BE PLACED IN EACH SIDE AND IN EACH END OF THE ENCLOSURE.
5.5 LIFTING ATTACHMENTS
ENOUGH LIFTING ATTACHMENTS SHALL BE PROVIDED TO ENSURE SAFE INSTALLATION OF ALL PIECES AT THE SITE.
ENOUGH LIFTING ATTACHMENTS SHALL BE PROVIDED TO ENSURE SAFE INSTALLATION OF ALL PIECES AT THE SITE.
5.6 INSTALLATION
THIS UNIT SHALL BE INSTALLED AT THE SITE BY THE SUPPLIER OR CONTRACTOR. ALL EARTH UNDER THE PADVAULT SHALL BE COMPACTED AND LEVEL PRIOR TO SETTING THE PADVAULT. PROVIDE 6" OF 3/4-INCH-MINUS GRAVEL BACKFILL BASE. THE JOINT BETWEEN THE PAD AND ENCLOSURE SHALL BE SEALED USING TAR OR MASTIC. THE TOP OF THE PAD SHOULD BE TWO TO FOUR INCHES ABOVE FINAL GRADE, WHEN INSTALLED.
- TESTING
6.1 TEST COMPLIANCE
PADVAULTS SUBMITTED UNDER THIS MATERIAL SPECIFICATION SHALL MEET ALL TESTS AND REQUIREMENTS CONTAINED IN ZG 301, GENERAL EQUIPMENT BASE AND ENCLOSURE REQUIREMENTS, ZG 311, CONCRETE REQUIREMENTS, AND THIS MATERIAL SPECIFICATION. PADVAULTS WILL ALSO COMPLY WITH REQUIREMENTS IN APPLICABLE NATIONAL STANDARDS.
6.2 SECURITY TEST
TRANSFORMER PADVAULTS MUST BE ABLE TO PASS THE FOLLOWING SECURITY TEST. THE SECURITY TEST IS DESIGNED TO ENSURE THAT PADMOUNTED EQUIPMENT, WHICH COMPLIES WITH WESTERN UNDERGROUND COMMITTEE GUIDE 2.13, SECURITY FOR PADMOUNTED EQUIPMENT ENCLOSURES, IS NOT COMPROMISED BY UNEVEN PAD SETTING.
WITH THE APPROPRIATE TRANSFORMER MOUNTED, ATTEMPT TO PASS A #14 AWG SOFT-DRAWN COPPER WIRE THROUGH THE INTERFACE BETWEEN THE CABINET AND PAD. IF THE WIRE CAN BE PASSED THROUGH, THE PADVAULT HAS FAILED THE TEST AND IS NOT ACCEPTABLE.
- PROVIDE AMCOR TYPE GV151 PADVAULT OR AS APPROVED OR DIRECTED BY ROCKY MOUNTAIN POWER.
8. REQUIREMENTS ARE SUBJECT TO CHANGE. SUBMIT PADVAULT TO ROCKY MOUNTAIN POWER FOR APPROVAL PRIOR TO THE PURCHASE AND INSTALLATION OF THE PADVAULT, AND INCLUDE ALL COSTS IN BID.

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Intermountain
Health

SEAL & SIGNATURE

KEY PLAN

REVISION	DESCRIPTION	DATE
NO.		

HKS PROJECT NUMBER

27487.000

DATE

8/26/2026

ISSUE

DESIGN DEVELOPMENT

SHEET TITLE

ELECTRICAL SITE
DETAILS

SHEET NO.

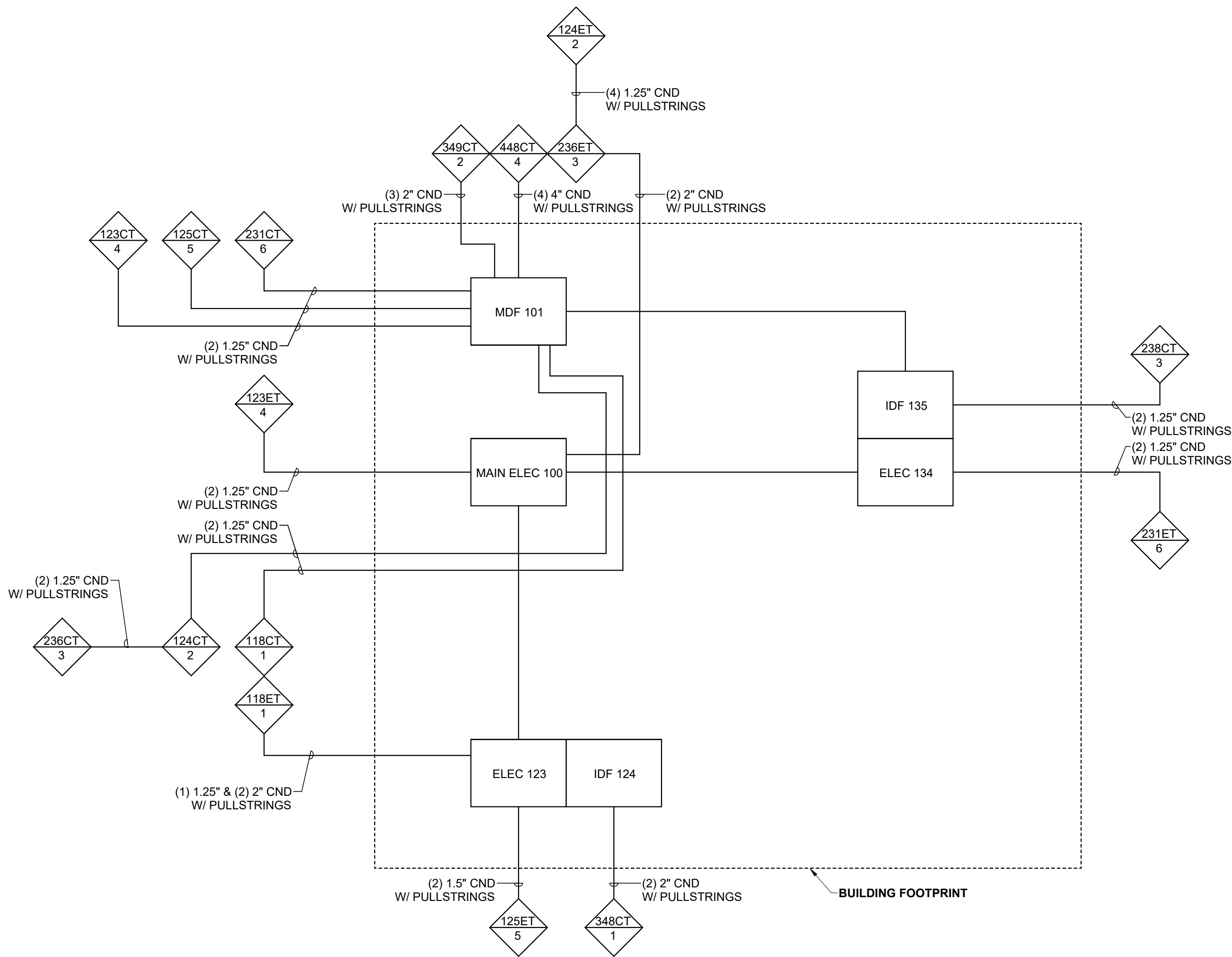
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3	448CT	<varies>

LABEL	MANUFACTURERS	CUT_SHEET
123ET	OLDCASTLE CHRISTY (B1017) HUBBELL QUAZITE SERIES APPROVED EQUAL	S:\01Spectrum\CAD\RV\T-MEP - Elec Cutsheets\Pullboxes_Ingrade\Christy_B1017.pdf
448CT	OLDCASTLE (4848) APPROVED EQUAL	S:\01Spectrum\CAD\RV\T-MEP - Elec Cutsheets\Pullboxes_Ingrade\OldcastlePolymer_4848.pdf

EXTERIOR PULLBOX SCHEDULE						
	LABELING SCHEME: FIRST - 1 = SMALL, 2 = MEDIUM, 3 = LARGE, 4 = XLARGE SECOND & THIRD DIGIT - LENGTH, NOMINAL INCHES FOURTH DIGIT - SYSTEM TYPE - E - ELECTRICAL - C - COMMUNICATIONS - M - MISC. FIFTH DIGIT - TRAFFIC TIER - BLANK - NO TRAFFIC RATING - T - TRAFFIC RATED			NOTES: 1. CONTRACTOR SHALL PROVIDE A SUBMITTAL ON ALL UNDERGROUND ENCLOSURES FOR THIS PROJECT FOR FINAL APPROVAL. 2. ALL ENCLOSURES SHALL BE UL LISTED 3. CONTRACTOR SHALL COORDINATE THE TIER RATING WITH CIVIL ENGINEER AND ARCHITECT IN THE SUBMITTAL PROCESS. 4. CONTRACTOR SHALL ADJUST THE SIZE OF THE ENCLOSURE AS REQUIRED FOR INSTALLATION. SUBMIT AN RFI OR PROVIDE SOME OTHER DOCUMENTATION SO THAT THE DESIGN TEAM AND OWNER UNDERSTAND THIS MODIFICATION PRIOR TO MOVING FORWARD WITH ADJUSTED SIZE OF ENCLOSURE. 5. PROVIDE BASIS OF DESIGN (BOD) ENCLOSURE OR PRE-APPROVED EQUAL.		
LABEL	DESCRIPTION	LENGTH (A)	WIDTH (B)	DEPTH (C)	COVER LABEL	MANUFACTURERS
123ET	DESCRIPTION: PRECAST CONCRETE PULLBOX INSTALLATION: FLUSH IN-GRADE BOX OPTIONS: OPEN BOTTOM COVER TYPE: BOLT DOWN COVER TRAFFIC TIER: TRAFFIC RATED	22"	16"	12"	"ELECTRICAL"	OLDCASTLE CHRISTY (B1017) HUBBELL QUAZITE SERIES APPROVED EQUAL
448CT	DESCRIPTION: PRECAST CONCRETE PULLBOX INSTALLATION: FLUSH IN-GRADE BOX OPTIONS: OPEN BOTTOM COVER TYPE: BOLT DOWN COVER TRAFFIC TIER: TRAFFIC RATED	45"	45"	36"	"COMMUNICATIONS"	OLDCASTLE (4848) APPROVED EQUAL



A4 PULLBOX CONDUIT RISER DIAGRAM
SCALE: NTS



ARCHITECT
HKS ARCHITECTS, INC.
90 SOUTH 400 WEST, #110
SALT LAKE CITY, UTAH 84101

CIVIL ENGINEER
GREAT BASIN ENGINEERING, INC
5746 SOUTH 1475 EAST
OGDEN, UTAH 84403

LANDSCAPE ARCHITECT
MGB+A STUDIO
145 WEST 200 SOUTH
SALT LAKE CITY, UTAH 84101

STRUCTURAL ENGINEER
REAVELEY ENGINEERS
250 EAST 200 SOUTH, SUITE 1000
SALT LAKE CITY, UTAH 84111

M/P/FP ENGINEER
RESOLUT GROUP
181 EAST 5600 SOUTH, SUITE 200
MURRAY, UTAH 84107

E/T ENGINEER
LYNK ENGINEERS/ERS, INC
324 SOUTH STATE STREET, SUITE 400
SALT LAKE CITY, UTAH 84111



**UTAH VALLEY SPORTS
PERFORMANCE CENTER**

SEAL & SIGNATURE

KEY PLAN

REVISION		
NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER

27487.000

DATE

8/26/2026

ISSUE

DESIGN DEVELOPMENT

SHEET TITLE

**PULLBOX SCHEDULE
AND RISER DIAGRAM**

SHEET NO.

ES502

PRINT DATE: 8/25/2026 4:45:13 PM TEMPLATE VERSION: 23.0.8 MODEL: Autodesk Docs\27487.000-11-UV Sports Performance Center_2025250905 - ELECTRICAL MODEL.rvt TITLE BLOCK VERSION: 20210830

◇ SHEET KEYNOTES	GENERAL SHEET NOTES

HKS

ARCHITECT
HKS ARCHITECTS, INC.
90 SOUTH 400 WEST, #110
SALT LAKE CITY, UTAH 84101

CIVIL ENGINEER
GREAT BASIN ENGINEERING, INC.
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OGDEN, UTAH 84403

LANDSCAPE ARCHITECT
MGB+A STUDIO
145 WEST 200 SOUTH
SALT LAKE CITY, UTAH 84101

STRUCTURAL ENGINEER
REAVELEY ENGINEERS
250 EAST 200 SOUTH, SUITE 1000
SALT LAKE CITY, UTAH 84111

M/P/FP ENGINEER
RESOLUT GROUP
181 EAST 5600 SOUTH, SUITE 200
MURRAY, UTAH 84107

E/T ENGINEER
LYNK ENGINEERS, INC.
324 SOUTH STATE STREET, SUITE 400
SALT LAKE CITY, UTAH 84111

Intermountain
Health
**UTAH VALLEY SPORTS
PERFORMANCE CENTER**
PROJECT ADDRESS: WEST 880 NORTH, 200 WEST PROVO, UTAH 84604

SEAL & SIGNATURE

KEY PLAN

REVISION	NO.	DESCRIPTION	DATE
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HKS PROJECT NUMBER
27487.000
DATE
8/26/2026
ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
**LEVEL 1 OVERALL
PLAN**

SHEET NO.

EP101

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1 LEVEL 1 OVERALL PLAN
SCALE: 1/16" = 1'-0"

TITLE BLOCK (VERSION: 20210803)
MODEL: Autodesk Docs (27487.000) - IT - UV Sports Performance Center - 2025050805 - ELECTRICAL MODEL
PRINT DATE: 8/26/2026 4:48:20 PM TEMPLATE VERSION: 23.6.8

○ SHEET KEYNOTES	GENERAL SHEET NOTES
1 PROVIDE (1) 3/4" CONDUIT FOR POWER CONDUCTORS TO ALCOVE ENCLOSURE 2 PROVIDE (1) 3/4" CONDUIT FOR POWER AND DATA CONDUIT PER TELECOM DETAILS STUBBED TO SUPPLY ALCOVE ENCLOSURE 3 DEVICE INTENDED TO BE USED FOR ANY ELEVATOR/PHONE CONNECTIONS TO THE NETWORK IF REQUIRED. LEAVE SUFFICIENT SLACK FOR COORDINATION OF EXACT LOCATION WITH ELEVATOR INSTALLER. 4 RECEPTACLE FOR IPAD DOCKING STATION.	

HKS

ARCHITECT
HKS ARCHITECTS, INC.
90 SOUTH 400 WEST, #110
SALT LAKE CITY, UTAH 84101

CIVIL ENGINEER
GREAT BASIN ENGINEERING, INC.
5746 SOUTH 1475 EAST
OGDEN, UTAH 84403

LANDSCAPE ARCHITECT
MGB+A STUDIO
145 WEST 200 SOUTH
SALT LAKE CITY, UTAH 84101

STRUCTURAL ENGINEER
REAVELEY ENGINEERS
250 EAST 200 SOUTH, SUITE 1000
SALT LAKE CITY, UTAH 84111

M/P/FP ENGINEER
RESOLUT GROUP
181 EAST 5600 SOUTH, SUITE 200
MURRAY, UTAH 84107

E/T ENGINEER
LYNK ENGINEERS, INC.
324 SOUTH STATE STREET, SUITE 400
SALT LAKE CITY, UTAH 84111

Intermountain
Health
UTAH VALLEY SPORTS
PERFORMANCE CENTER
PROJECT ADDRESS: WEST 180 NORTH, 200 WEST PROVIDENT, UTAH 84044

SEAL & SIGNATURE

KEY PLAN

REVISION	NO.	DESCRIPTION	DATE
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HKS PROJECT NUMBER

27487.000

DATE

8/26/2026

ISSUE

DESIGN DEVELOPMENT

SHEET TITLE

LEVEL 1 POWER PLAN -
SECTOR A

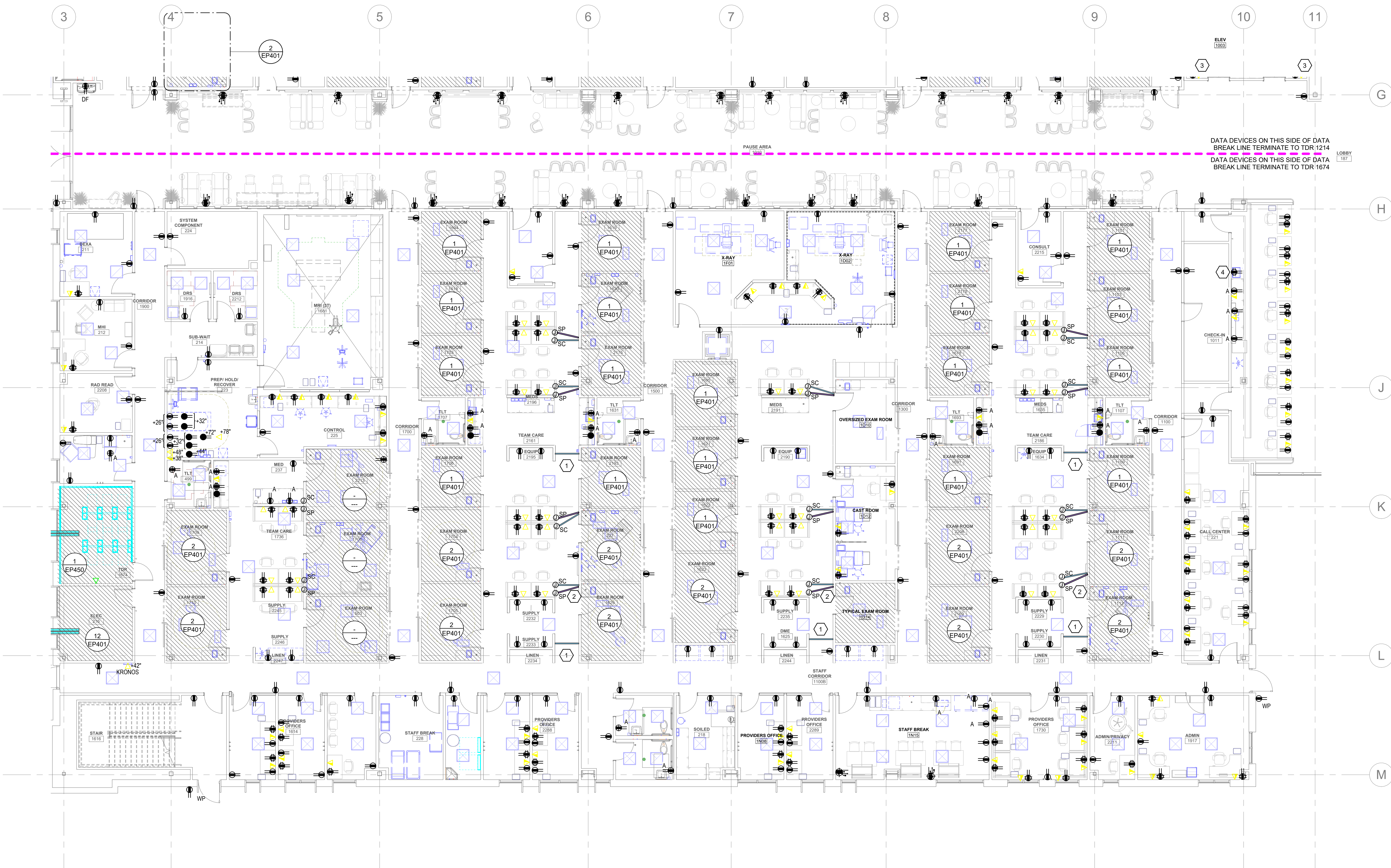
SHEET NO.

EP101A

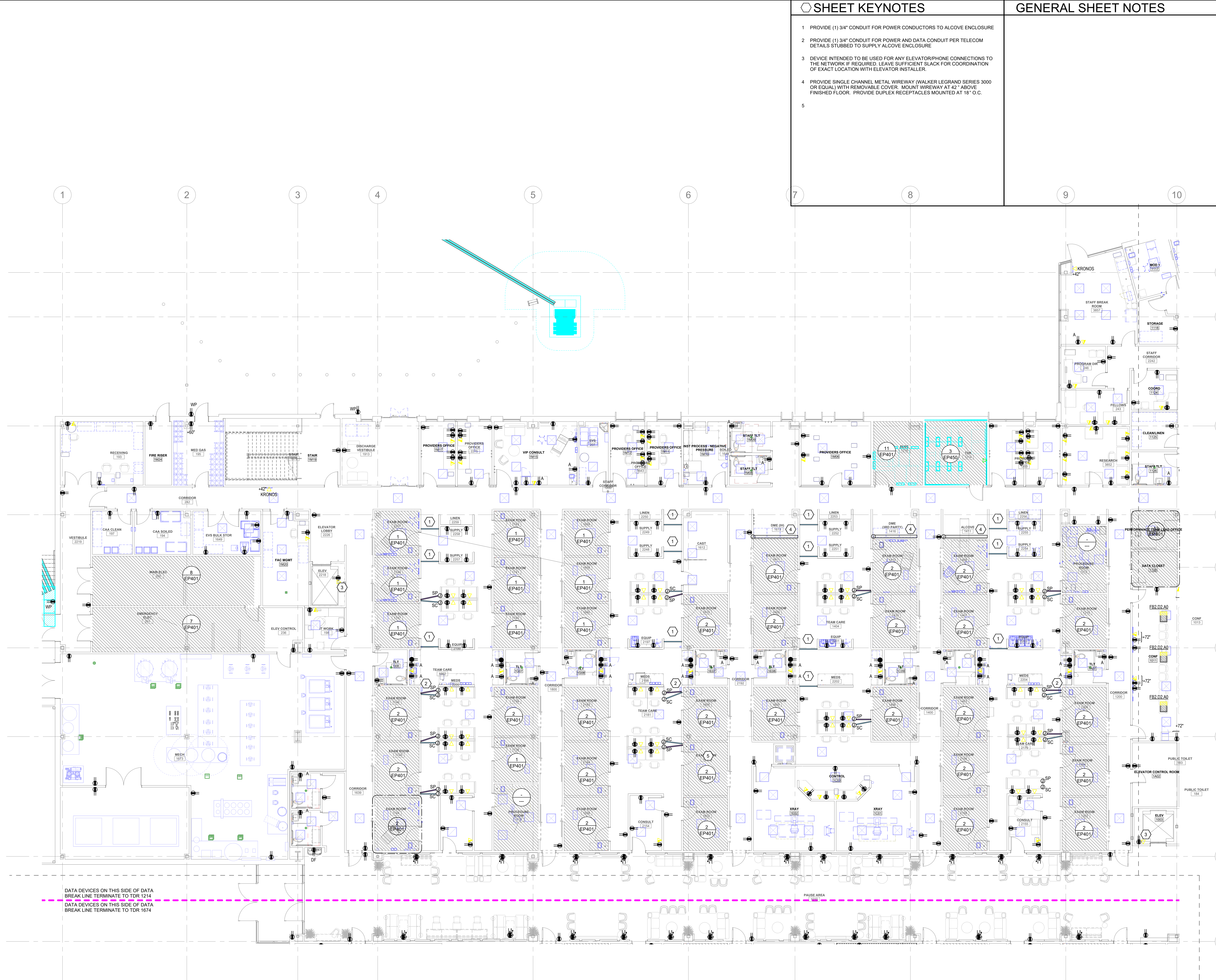
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1 LEVEL 1 POWER PLAN - SECTOR A

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



TITLE BLOCK (VERSION: 201083) MODEL: Autodesk Docs\27487.000-UT-UV Sports Performance Center_20250908- ELECTRICAL MODEL.rvt PRINT DATE: 8/26/2026 4:48:28 PM TEMPLATE VERSION: 23.6



1 LEVEL 1 POWER PLAN - SECTOR B
SCALE: 1/8" = 1'-0"

SHEET KEYNOTES	GENERAL SHEET NOTES
1 PROVIDE (1) 3/4" CONDUIT FOR POWER CONDUCTORS TO ALCOVE ENCLOSURE 2 PROVIDE (1) 3/4" CONDUIT FOR POWER AND DATA CONDUIT PER TELECOM DETAILS STUBBED TO SUPPLY ALCOVE ENCLOSURE 3 DEVICE INTENDED TO BE USED FOR ANY ELEVATOR/PHONE CONNECTIONS TO THE NETWORK IF REQUIRED. LEAVE SUFFICIENT SLACK FOR COORDINATION OF EXACT LOCATION WITH ELEVATOR INSTALLER. 4 PROVIDE SINGLE CHANNEL METAL WIREWAY (WALKER LEGRAND SERIES 3000 OR EQUAL) WITH REMOVABLE COVER. MOUNT WIREWAY AT 42" ABOVE FINISHED FLOOR. PROVIDE DUPLEX RECEPTACLES MOUNTED AT 18" O.C. 5	

HKS

ARCHITECT
HKS ARCHITECTS, INC.
90 SOUTH 400 WEST, #110
SALT LAKE CITY, UTAH 84101

CIVIL ENGINEER
GREAT BASIN ENGINEERING, INC.
5746 SOUTH 1475 EAST
OGDEN, UTAH 84403

LANDSCAPE ARCHITECT
MGB-HA STUDIO
145 WEST 200 SOUTH
SALT LAKE CITY, UTAH 84101

STRUCTURAL ENGINEER
REAVELEY ENGINEERS
250 EAST 200 SOUTH, SUITE 1000
SALT LAKE CITY, UTAH 84111

M/P/FP ENGINEER
RESOLUT GROUP
181 EAST 5600 SOUTH, SUITE 200
MURRAY, UTAH 84107

E/T ENGINEER
LYNK ENGINEERS, INC.
324 SOUTH STATE STREET, SUITE 400
SALT LAKE CITY, UTAH 84111

Intermountain Health
UTAH VALLEY SPORTS
PERFORMANCE CENTER
PROJECT ADDRESS: WEST 880 NORTH, 200 WEST PROVIDENT, UTAH 84044

SEAL & SIGNATURE

KEY PLAN

REVISION NO.	DESCRIPTION	DATE
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HKS PROJECT NUMBER
27487.000
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DESIGN DEVELOPMENT

SHEET TITLE
LEVEL 1 POWER PLAN - SECTOR B

SHEET NO.

EP101B

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1 LEVEL 1 POWER PLAN - SECTOR C
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

SHEET KEYNOTES

- 1 DEVICE INTENDED TO BE USED FOR ANY ELEVATOR/PHONE CONNECTIONS TO THE NETWORK IF REQUIRED. LEAVE SUFFICIENT SLACK FOR COORDINATION OF EXACT LOCATION WITH ELEVATOR INSTALLER.
- 2 RECEPTACLE FOR IPAD DOCKING STATION.

HKS

ARCHITECT
HKS ARCHITECTS, INC.
90 SOUTH 400 WEST, #110
SALT LAKE CITY, UTAH 84101

CIVIL ENGINEER
GREAT BASIN ENGINEERING, INC.
5746 SOUTH 1475 EAST
OGDEN, UTAH 84403

LANDSCAPE ARCHITECT
MGB+A STUDIO
145 WEST 200 SOUTH
SALT LAKE CITY, UTAH 84101

STRUCTURAL ENGINEER
REAVELEY ENGINEERS
250 EAST 200 SOUTH, SUITE 1000
SALT LAKE CITY, UTAH 84111

M/P/FP ENGINEER
RESOLUT GROUP
181 EAST 5600 SOUTH, SUITE 200
MURRAY, UTAH 84107

E/T ENGINEER
LYNK ENGINEERS, INC.
324 SOUTH STATE STREET, SUITE 400
SALT LAKE CITY, UTAH 84111

**UTAH VALLEY SPORTS
PERFORMANCE CENTER**
PROJECT ADDRESS: WEST 880 NORTH, 200 WEST PROVID, UTAH 84004



SEAL & SIGNATURE

KEY PLAN

REVISION NO.	DESCRIPTION	DATE
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HKS PROJECT NUMBER
27487.000
DATE
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ISSUE
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SHEET TITLE
LEVEL 1 POWER PLAN - SECTOR C

SHEET NO.

EP101C

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TITLE BLOCK VERSION: 20210830
MODEL: Autodesk Docs\27487.000-11-UV Sports Performance Center\2025250905- ELECTRICAL MODEL.rvt
PRINT DATE: 8/26/2026 4:48:38 PM TEMPLATE VERSION: 23.0.8

○ SHEET KEYNOTES	GENERAL SHEET NOTES

HKS

ARCHITECT
HKS ARCHITECTS, INC.
90 SOUTH 400 WEST, #110
SALT LAKE CITY, UTAH 84101

CIVIL ENGINEER
GREAT BASIN ENGINEERING, INC.
5746 SOUTH 1475 EAST
OGDEN, UTAH 84403

LANDSCAPE ARCHITECT
MGB+A STUDIO
145 WEST 200 SOUTH
SALT LAKE CITY, UTAH 84101

STRUCTURAL ENGINEER
REAVELEY ENGINEERS
250 EAST 200 SOUTH, SUITE 1000
SALT LAKE CITY, UTAH 84111

M/P/FP ENGINEER
RESOLUT GROUP
181 EAST 5600 SOUTH, SUITE 200
MURRAY, UTAH 84107

E/T ENGINEER
LYNK ENGINEERS, INC.
324 SOUTH STATE STREET, SUITE 400
SALT LAKE CITY, UTAH 84111

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UTAH VALLEY SPORTS
PERFORMANCE CENTER
PROJECT ADDRESS: WEST 880 NORTH, 200 WEST PROVO, UTAH 84604

SEAL & SIGNATURE

KEY PLAN

REVISION
NO. DESCRIPTION DATE

HKS PROJECT NUMBER
27487.000
DATE
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ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
**LEVEL 2 OVERALL
PLAN**

SHEET NO.
EP102

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1 LEVEL 2 OVERALL PLAN
SCALE: 1/16" = 1'-0"

HKS

ARCHITECT
HKS ARCHITECTS, INC.
90 SOUTH 400 WEST, #110
SALT LAKE CITY, UTAH 84101

CIVIL ENGINEER
GREAT BASIN ENGINEERING, INC.
5748 SOUTH 745 EAST
OGDEN, UTAH 84403

LANDSCAPE ARCHITECT
MGB+A STUDIO
145 WEST 200 SOUTH
SALT LAKE CITY, UTAH 84101

STRUCTURAL ENGINEER
RAVELEY ENGINEERS
259 EAST 200 SOUTH, SUITE 1000
SALT LAKE CITY, UTAH 84111

M/P/E ENGINEER
RESOLUTION GROUP
181 EAST 5600 SOUTH, SUITE 200



EP102A

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MODEL: Autodesk Docs/27487.000-11-UV Sports Performance Center_2025250985 - ELECTRICAL MODEL.rvt
PRINT DATE: 8/26/2026 4:45:50 PM TEMPLATE VERSION: 231.6

◇ SHEET KEYNOTES	GENERAL SHEET NOTES

HKS

ARCHITECT
HKS ARCHITECTS, INC.
90 SOUTH 400 WEST, #110
SALT LAKE CITY, UTAH 84101

CIVIL ENGINEER
GREAT BASIN ENGINEERING, INC.
5746 SOUTH 1475 EAST
OGDEN, UTAH 84403

LANDSCAPE ARCHITECT
MGB+A STUDIO
145 WEST 200 SOUTH
SALT LAKE CITY, UTAH 84101

STRUCTURAL ENGINEER
REAVELEY ENGINEERS
250 EAST 200 SOUTH, SUITE 1000
SALT LAKE CITY, UTAH 84111

M/P/FP ENGINEER
RESOLUT GROUP
181 EAST 5600 SOUTH, SUITE 200
MURRAY, UTAH 84107

E/T ENGINEER
LYNK ENGINEERS, INC.
324 SOUTH STATE STREET, SUITE 400
SALT LAKE CITY, UTAH 84111

Intermountain
Health
**UTAH VALLEY SPORTS
PERFORMANCE CENTER**
PROJECT ADDRESS: WEST 180 NORTH 200 WEST PROVO, UTAH 84604

SEAL & SIGNATURE

KEY PLAN

REVISION
NO. DESCRIPTION DATE

HKS PROJECT NUMBER
27487.000
DATE
8/26/2026
ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
**LEVEL 2 POWER PLAN -
SECTOR B**

SHEET NO.

EP102B

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MODEL: Autodesk Docs/27487.000_HL-UV Sports Performance Center_2025250905 - ELECTRICAL MODEL.rvt

PRINT DATE: 8/25/2026 4:45:52 PM TEMPLATE VERSION: 23128



1 LEVEL 2 POWER PLAN - SECTOR C
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

SHEET KEYNOTES



ARCHITECT
HKS ARCHITECTS, INC.
90 SOUTH 400 WEST, #110
SALT LAKE CITY, UTAH 84101

CIVIL ENGINEER
GREAT BASIN ENGINEERING, INC.
5746 SOUTH 1475 EAST
OGDEN, UTAH 84403

LANDSCAPE ARCHITECT
MGB+A STUDIO
145 WEST 200 SOUTH
SALT LAKE CITY, UTAH 84101

STRUCTURAL ENGINEER
REAVELEY ENGINEERS
250 EAST 200 SOUTH, SUITE 1000
SALT LAKE CITY, UTAH 84111

M/P/FP ENGINEER
RESOLUT GROUP
181 EAST 5600 SOUTH, SUITE 200
MURRAY, UTAH 84107

E/T ENGINEER
LYNK ENGINEERS, INC.
324 SOUTH STATE STREET, SUITE 400
SALT LAKE CITY, UTAH 84111



SEAL & SIGNATURE

KEY PLAN

REVISION		
NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
27487.000

DATE
8/26/2026

ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
LEVEL 2 POWER PLAN - SECTOR C

SHEET NO.

EP102C

TITLE BLOCK (VERSION: 20210830)
MODEL: Autodesk Docs\27487.000-11-UV Sports Performance Center_2025250905- ELECTRICAL MODEL.rvt
PRINT DATE: 8/26/2026 4:50:05 PM TEMPLATE VERSION: 231.6

○ SHEET KEYNOTES	GENERAL SHEET NOTES

HKS

ARCHITECT
HKS ARCHITECTS, INC.
90 SOUTH 400 WEST, #110
SALT LAKE CITY, UTAH 84101

CIVIL ENGINEER
GREAT BASIN ENGINEERING, INC.
5746 SOUTH 1475 EAST
OGDEN, UTAH 84403

LANDSCAPE ARCHITECT
MGB+A STUDIO
145 WEST 200 SOUTH
SALT LAKE CITY, UTAH 84101

STRUCTURAL ENGINEER
REAVELEY ENGINEERS
250 EAST 200 SOUTH, SUITE 1000
SALT LAKE CITY, UTAH 84111

M/P/FP ENGINEER
RESOLUT GROUP
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MURRAY, UTAH 84107

E/T ENGINEER
LYNK ENGINEERS, INC.
324 SOUTH STATE STREET, SUITE 400
SALT LAKE CITY, UTAH 84111

Intermountain
Health
UTAH VALLEY SPORTS
PERFORMANCE CENTER
PROJECT ADDRESS: WEST 880 NORTH, 200 WEST PROVIDENT, UTAH 8404

SEAL & SIGNATURE

KEY PLAN

REVISION
NO. DESCRIPTION DATE

HKS PROJECT NUMBER
27487.000

DATE
8/26/2026

ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
LEVEL 1 ELECTRICAL
REFLECTED CEILING
PLAN

SHEET NO.

EP201

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1 LEVEL 1 ELECTRICAL RACEWAY PLAN
SCALE: 1/16" = 1'-0"

TITLE BLOCK VERSION: 20210830
MODEL: Autodesk Docs\27487.000-11-UV Sports Performance Center_2025250905- ELECTRICAL MODEL.rvt
PRINT DATE: 8/25/2026 4:50:18 PM TEMPLATE VERSION: 231.6

◇ SHEET KEYNOTES	GENERAL SHEET NOTES

HKS

ARCHITECT
HKS ARCHITECTS, INC.
90 SOUTH 400 WEST, #110
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LANDSCAPE ARCHITECT
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STRUCTURAL ENGINEER
REAVELEY ENGINEERS
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M/P/FP ENGINEER
RESOLUT GROUP
181 EAST 5600 SOUTH, SUITE 200
MURRAY, UTAH 84107

E/T ENGINEER
LYNK ENGINEERS, INC.
324 SOUTH STATE STREET, SUITE 400
SALT LAKE CITY, UTAH 84111

Intermountain
Health
**UTAH VALLEY SPORTS
PERFORMANCE CENTER**
PROJECT ADDRESS: WEST 880 NORTH, 200 WEST PROVO, UTAH 84604

SEAL & SIGNATURE

KEY PLAN

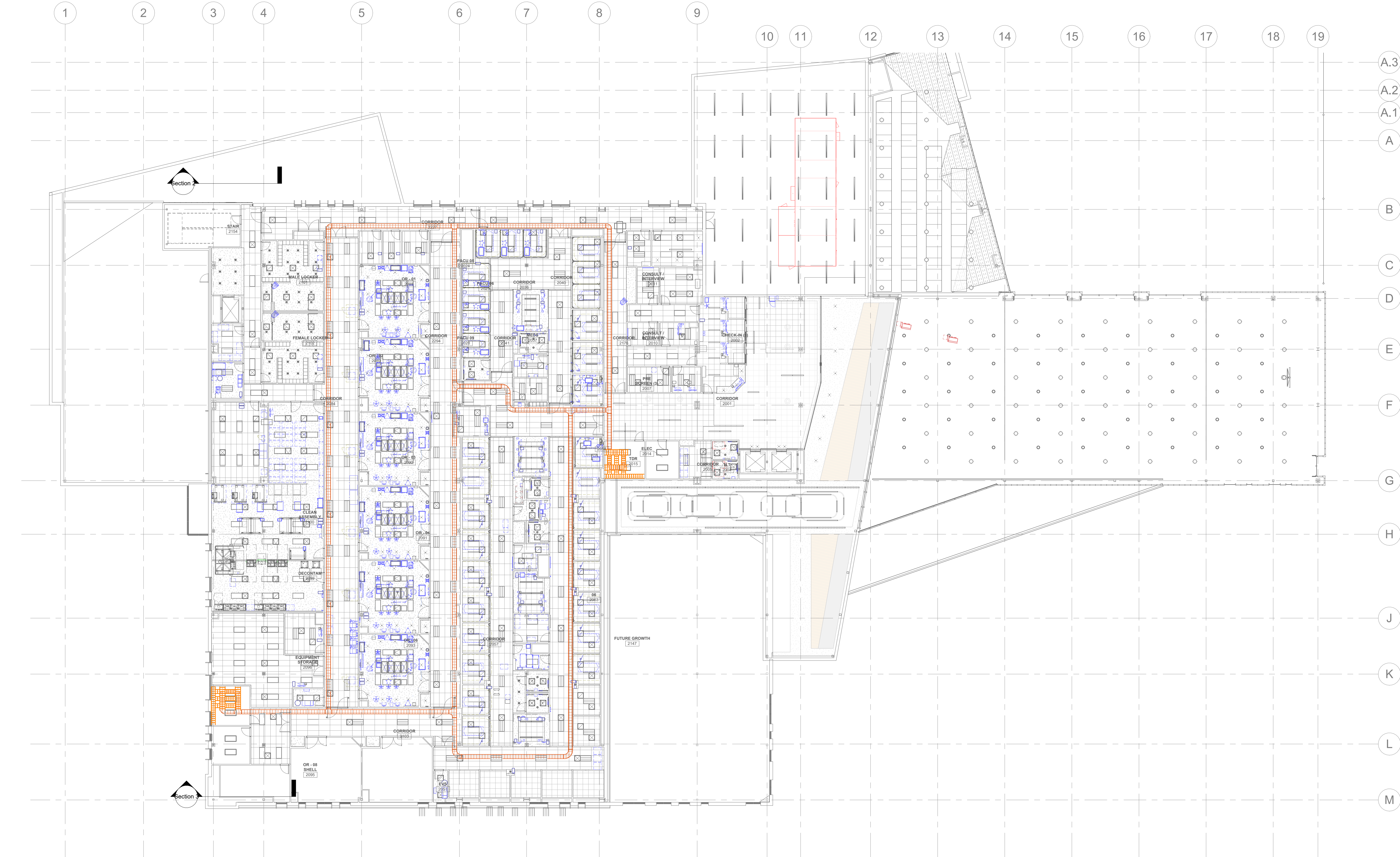
REVISION	NO.	DESCRIPTION	DATE
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HKS PROJECT NUMBER
27487.000
DATE
8/26/2026
ISSUE
DESIGN DEVELOPMENT

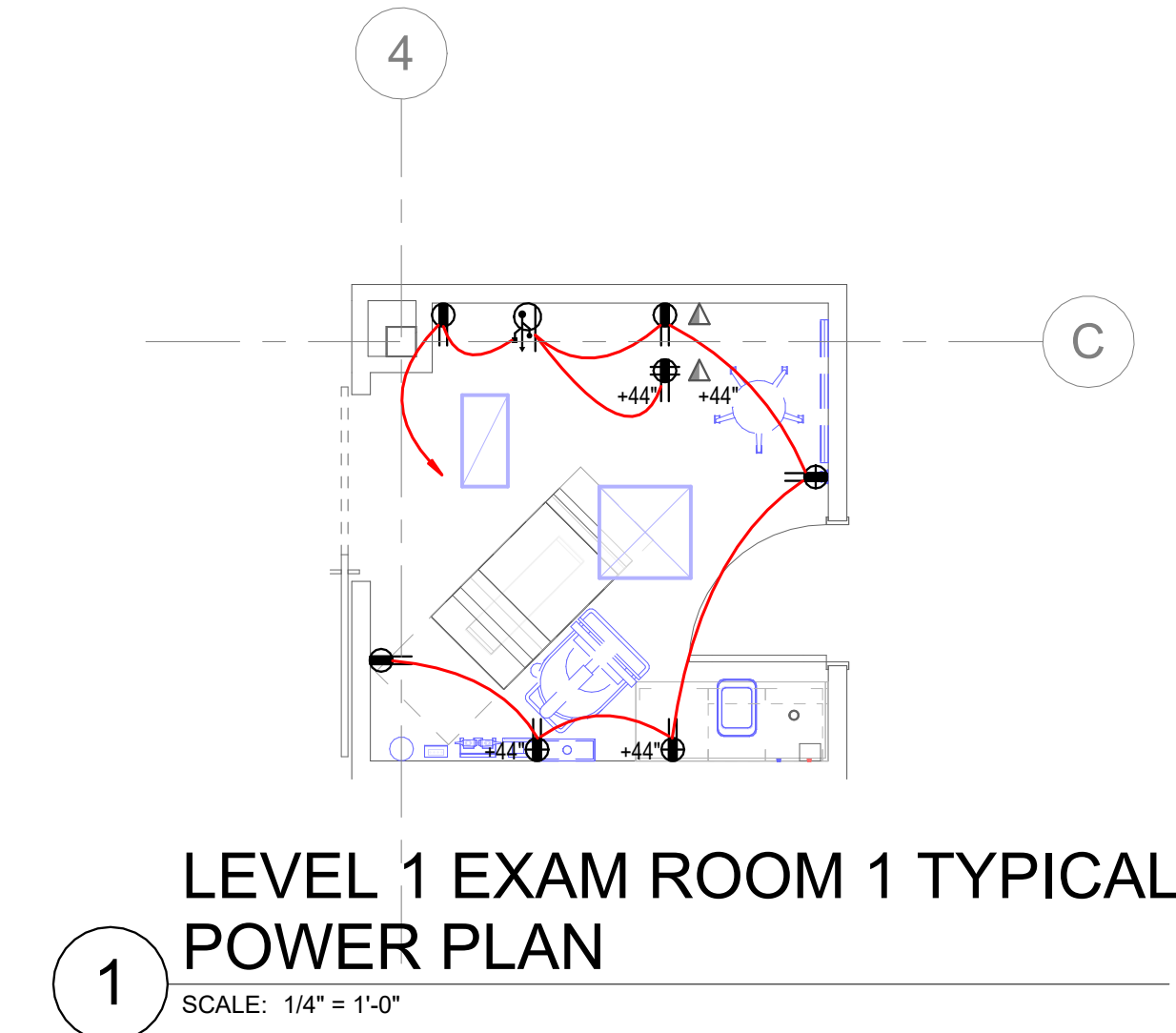
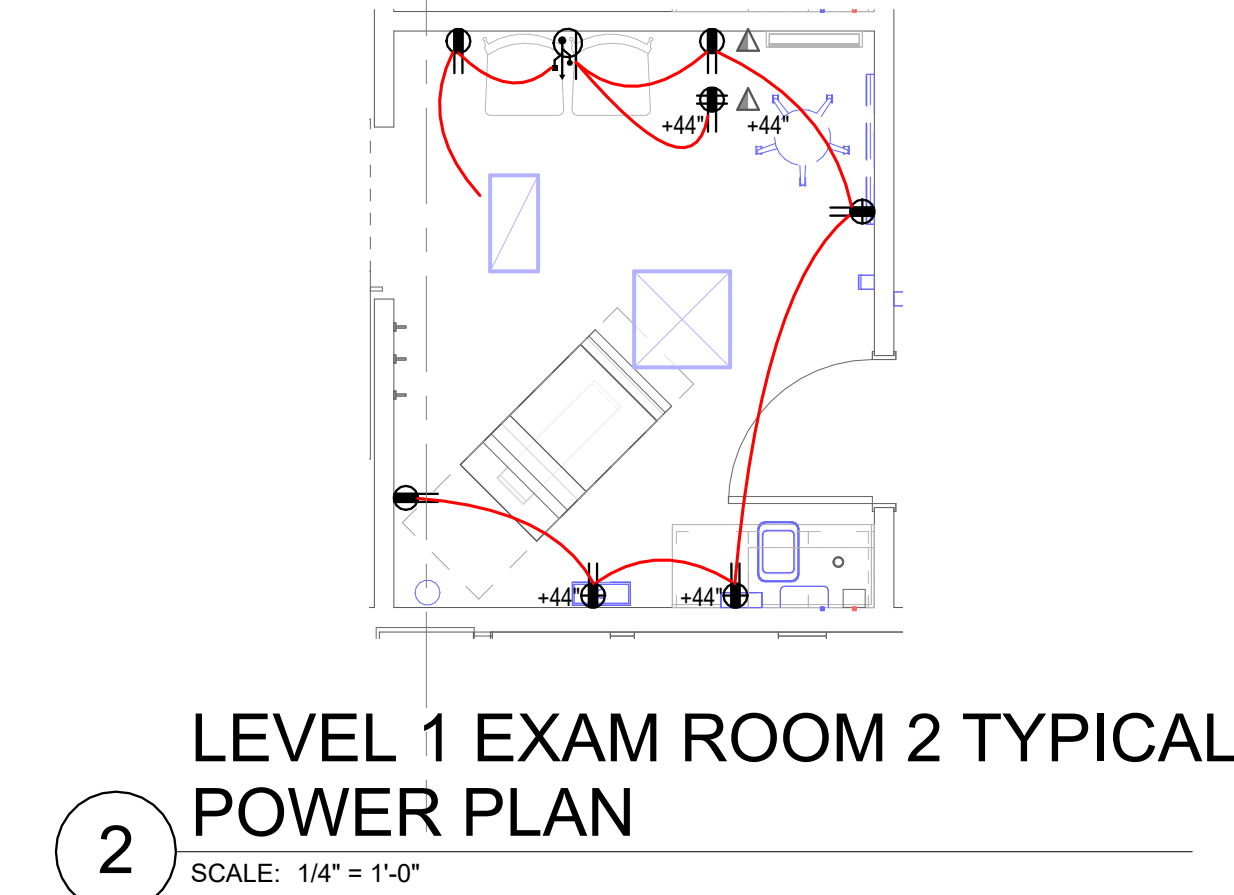
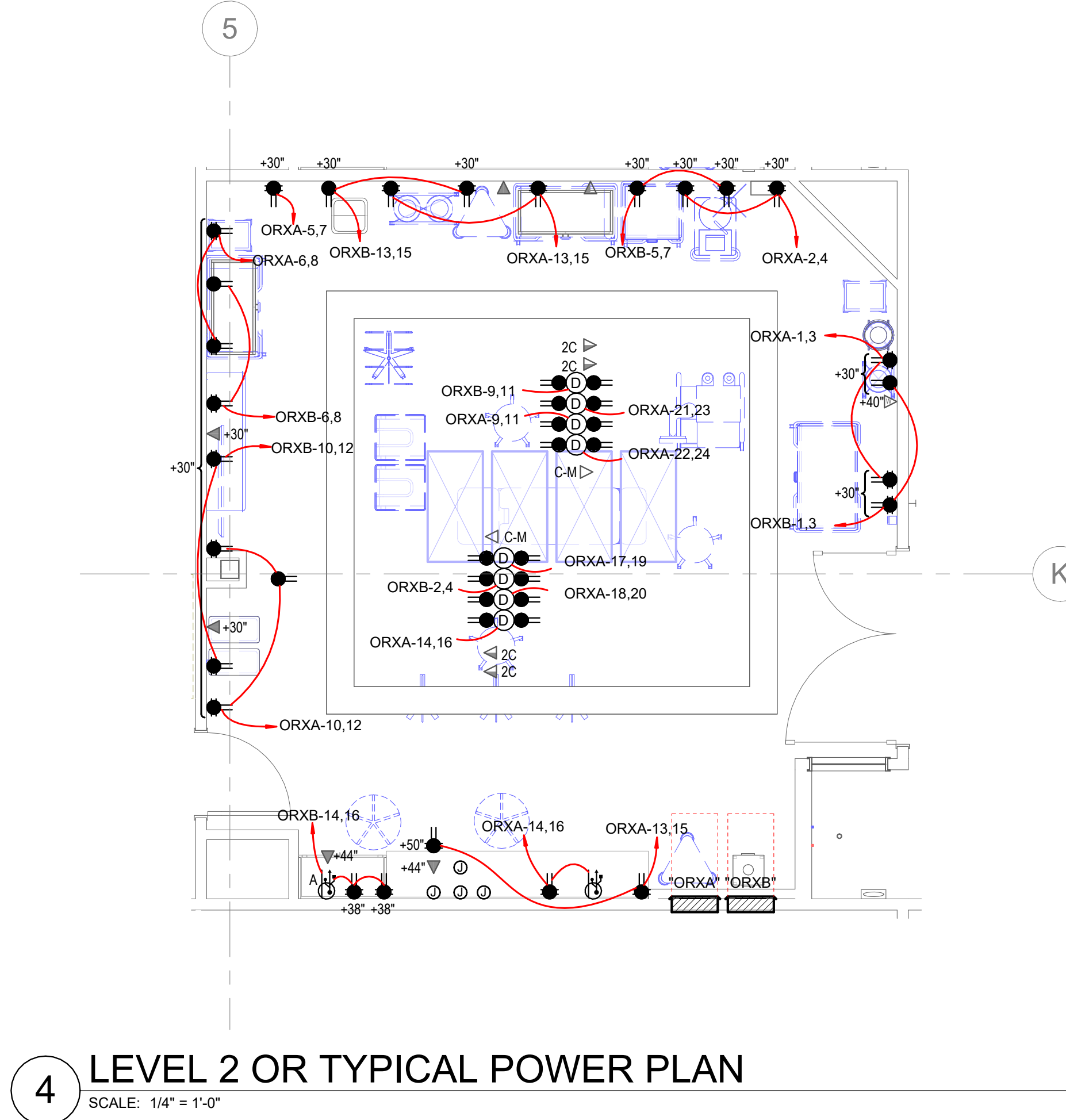
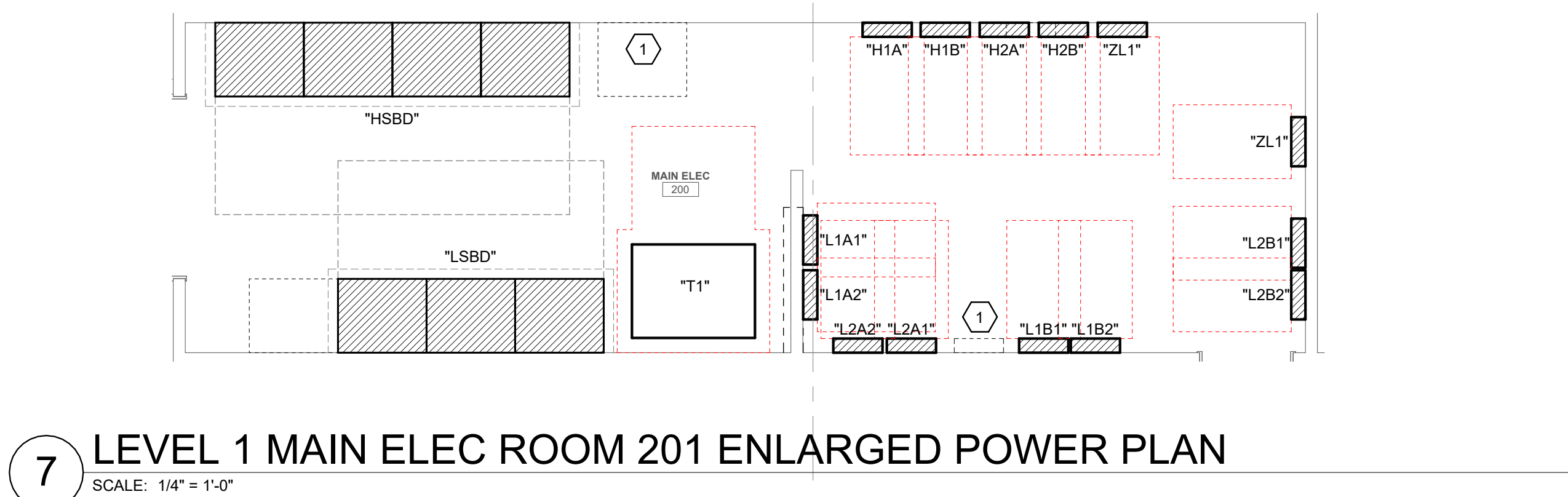
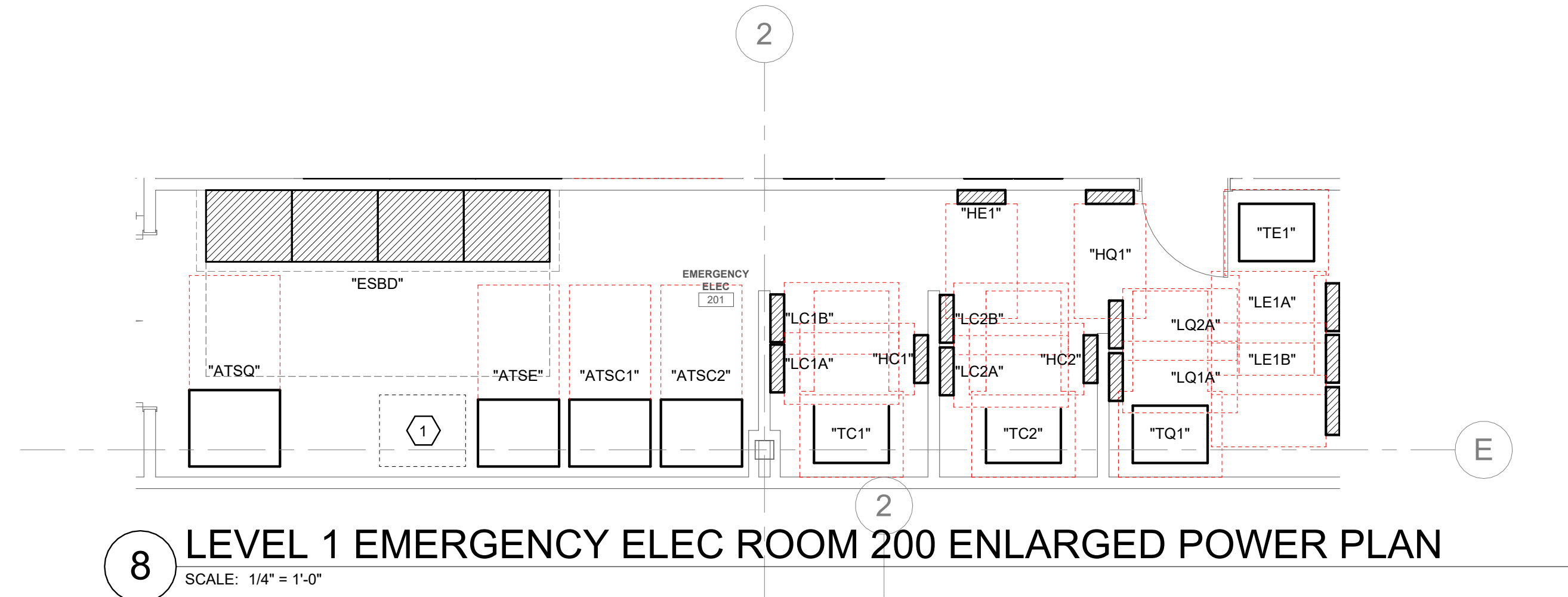
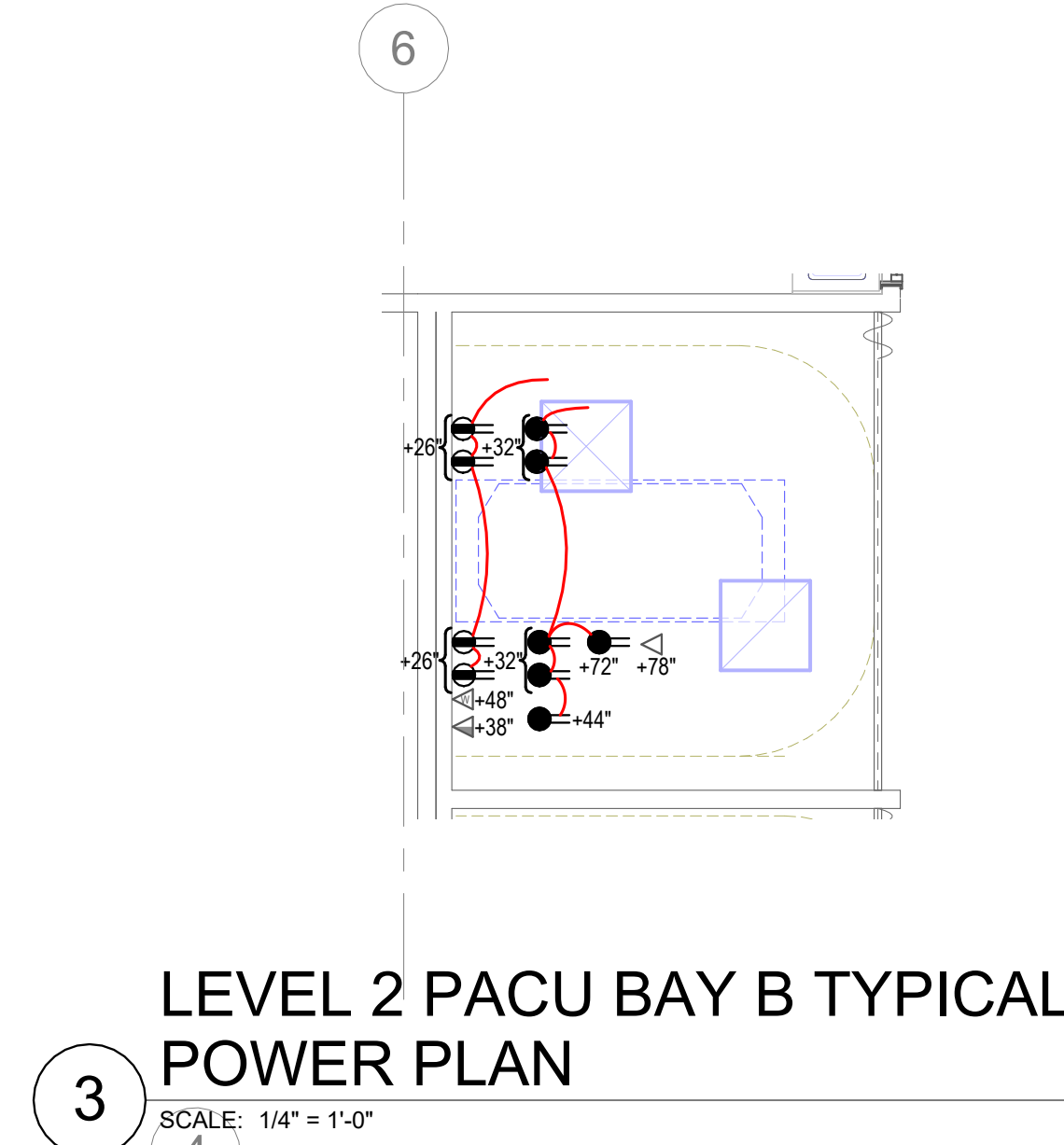
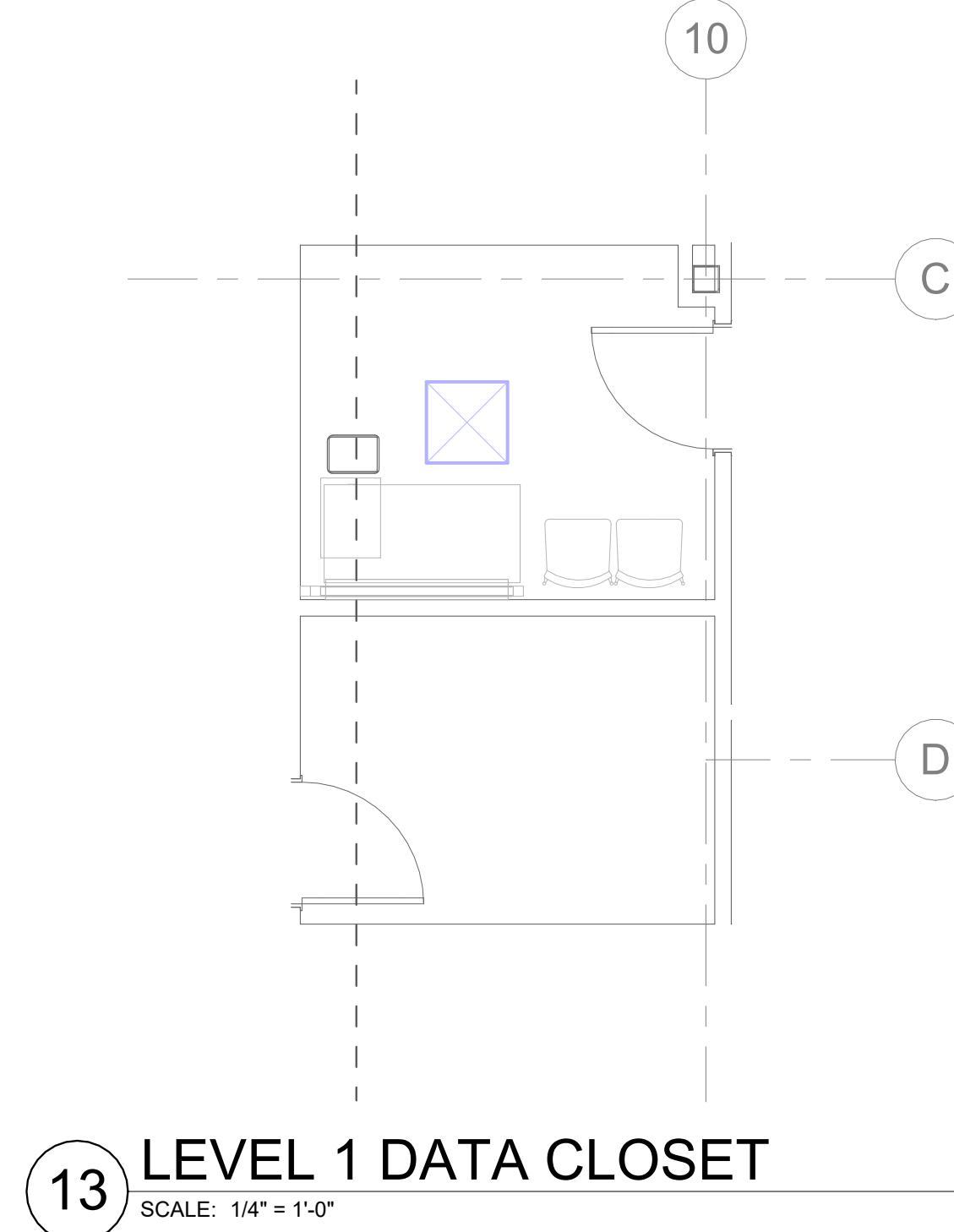
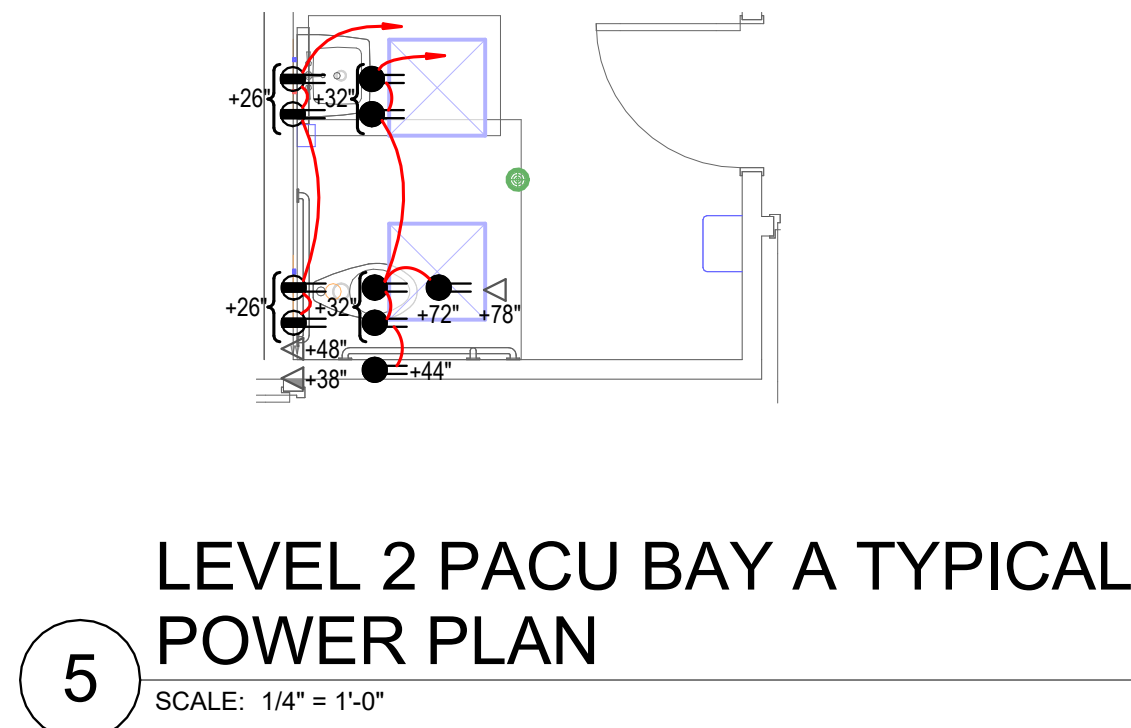
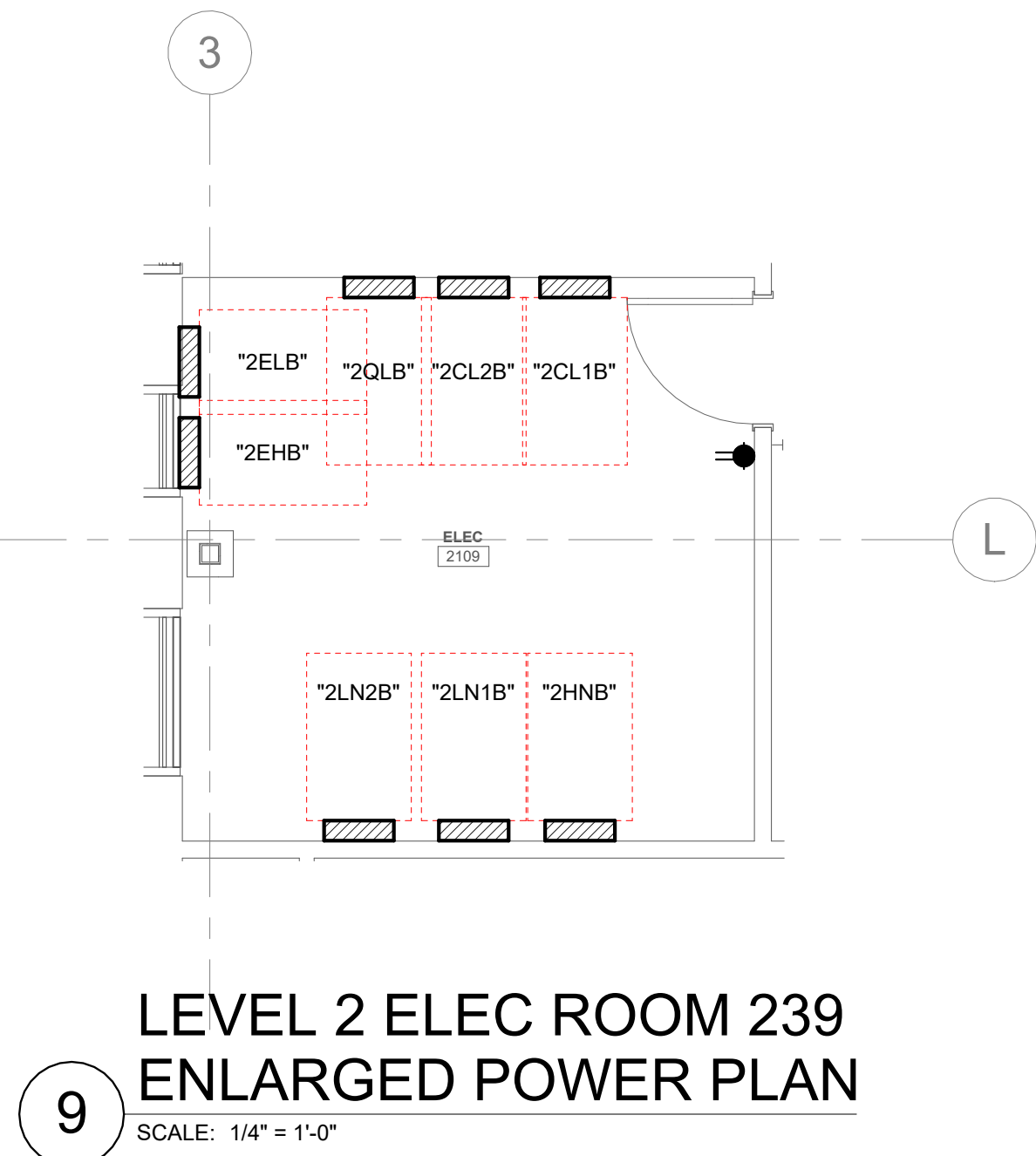
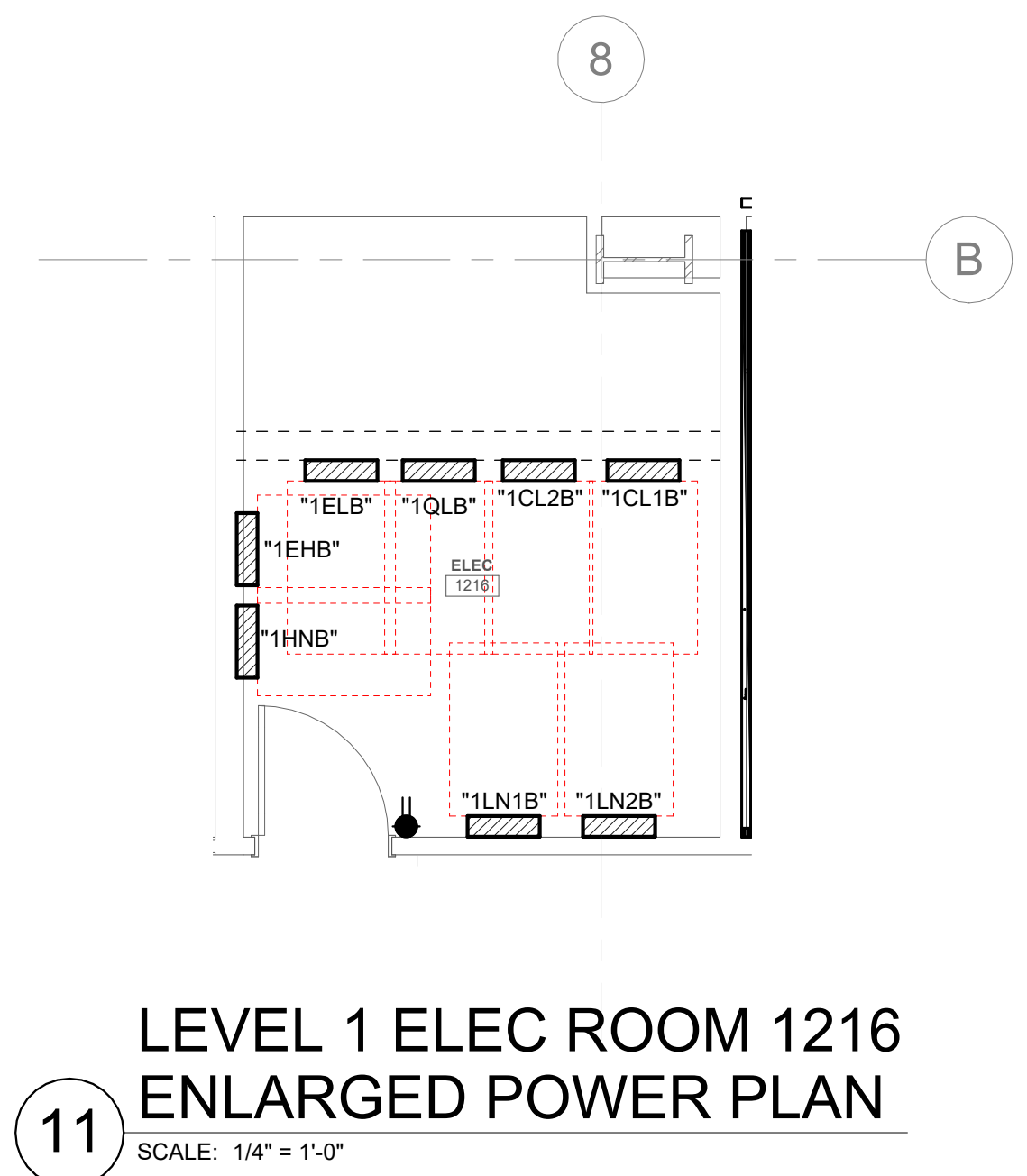
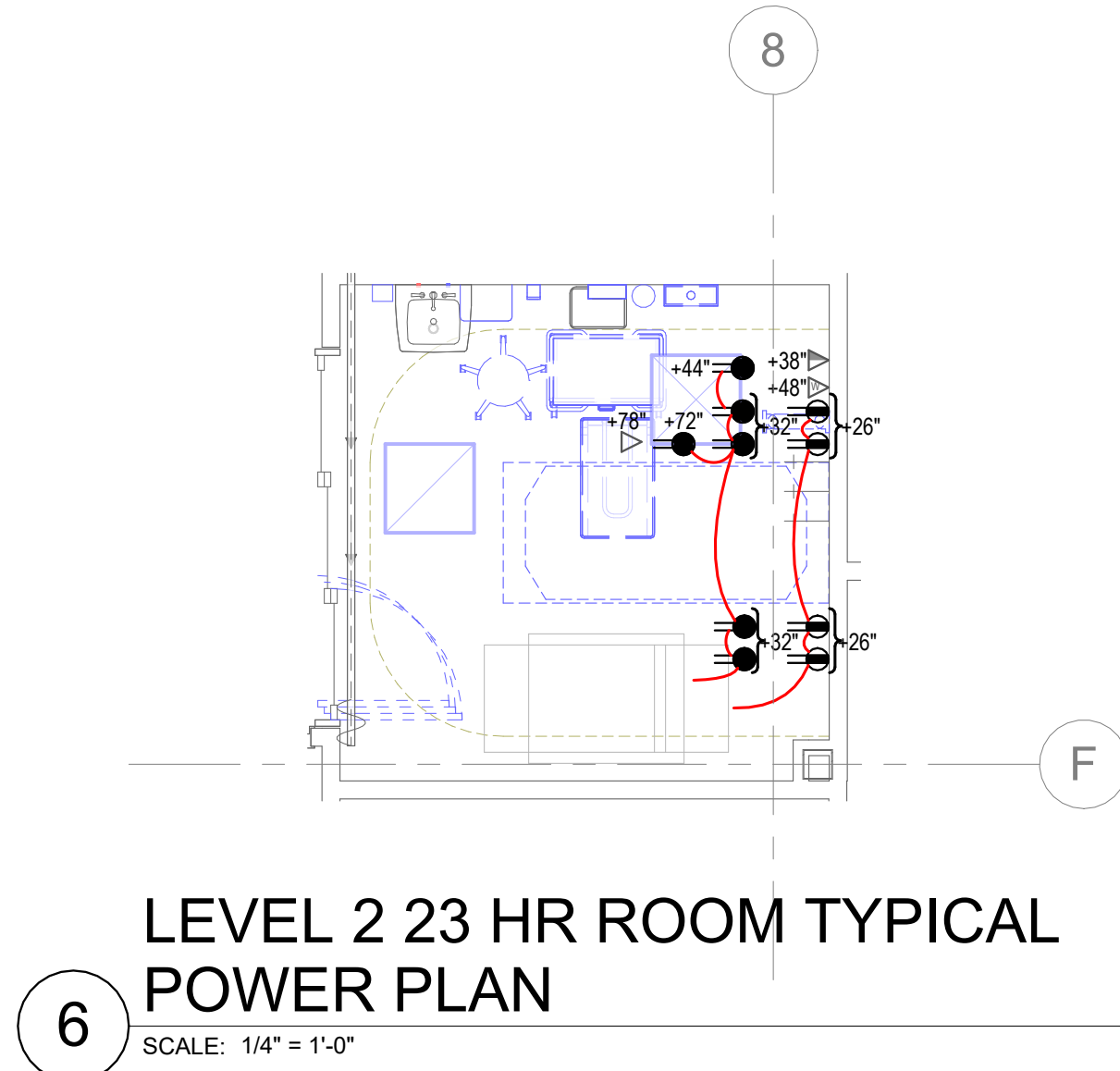
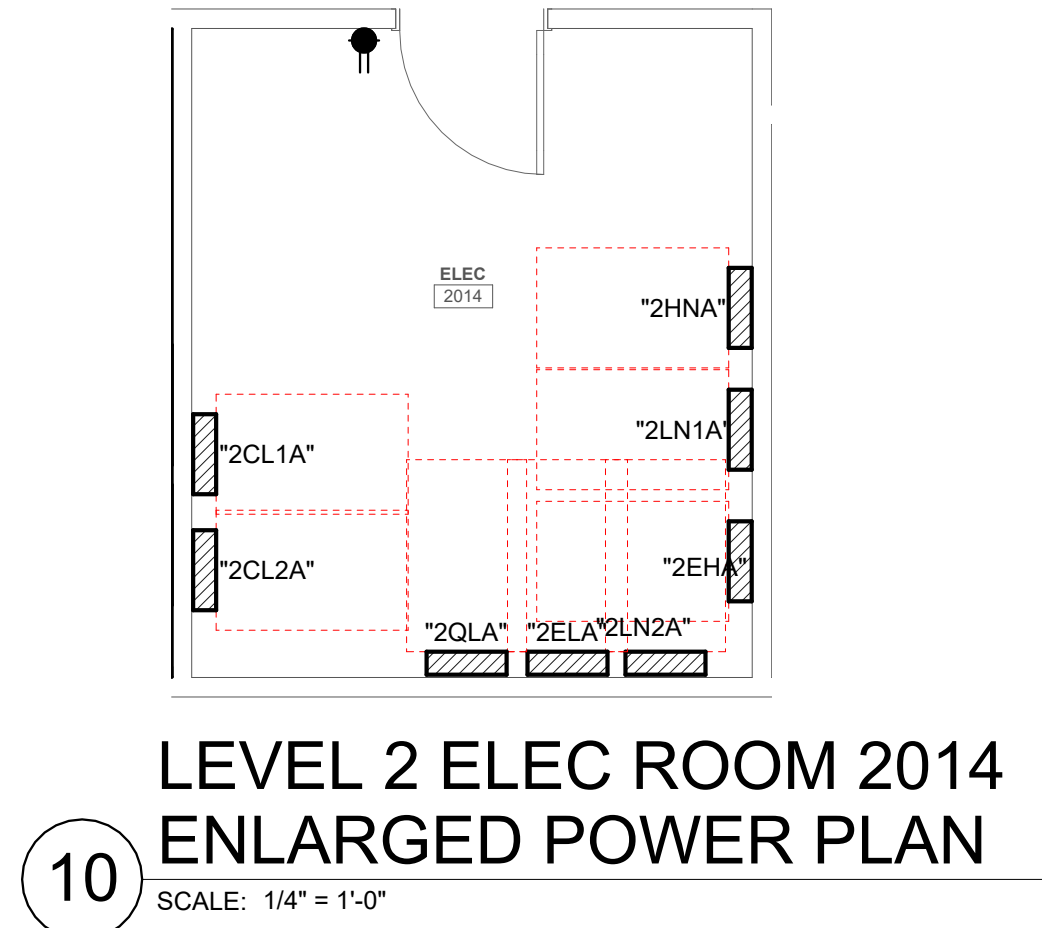
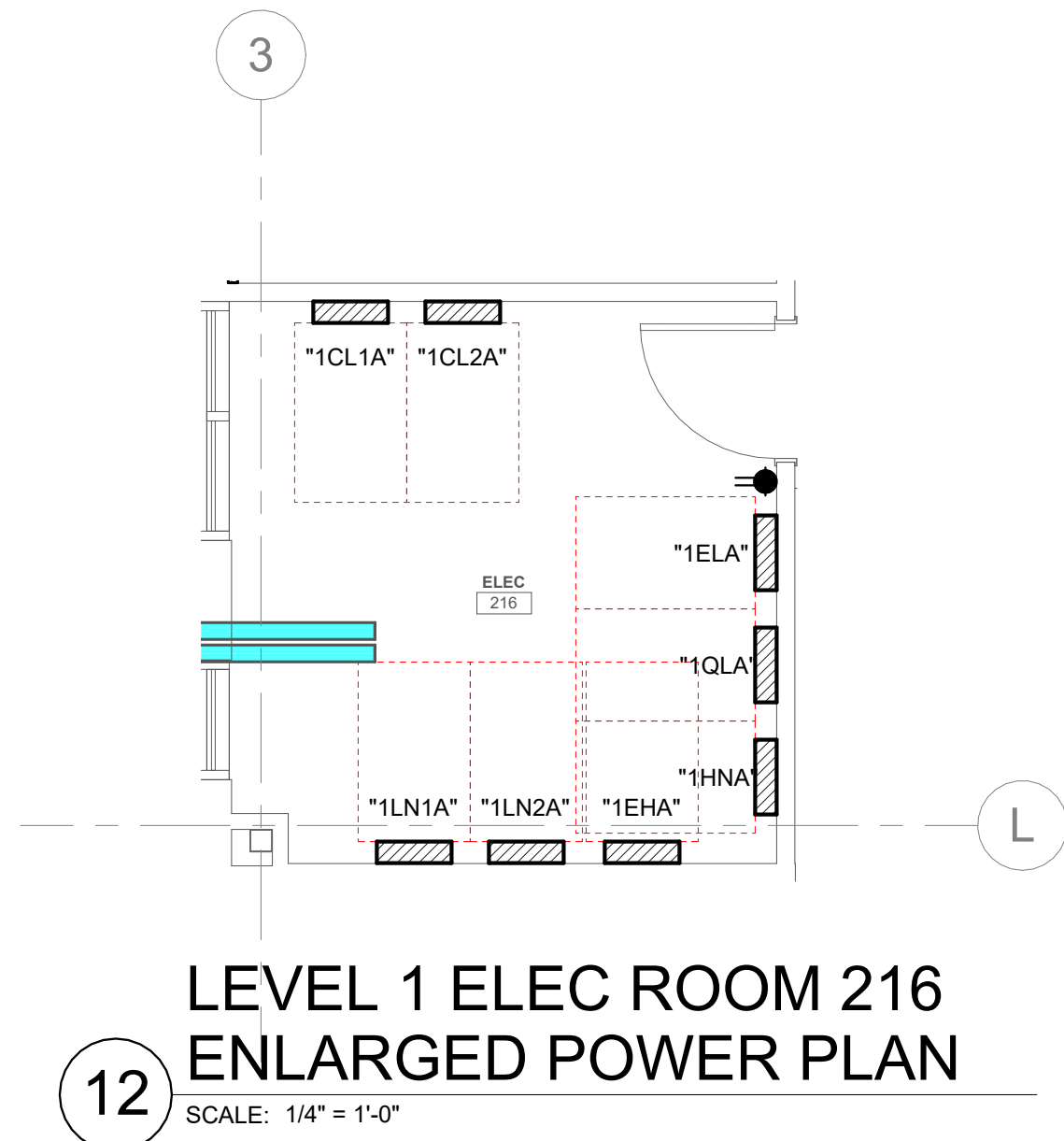
SHEET TITLE
**LEVEL 2 ELECTRICAL
REFLECTED CEILING
PLAN**
SHEET NO.

EP202

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1 LEVEL 2 ELECTRICAL RACEWAY PLAN
SCALE: 1/16" = 1'-0"



SHEET KEYNOTES
1. MAINTAIN UNOBSTRUCTED CLEAR SPACE FOR FUTURE ELECTRICAL EQUIPMENT AT INDICATED LOCATION.

GENERAL SHEET NOTES

HKS

ARCHITECT
HKS ARCHITECTS, INC.
90 SOUTH 400 WEST, #110
SALT LAKE CITY, UTAH 84101

CIVIL ENGINEER
GREAT BASIN ENGINEERING, INC.
5745 SOUTH 1475 EAST
OGDEN, UTAH 84403

LANDSCAPE ARCHITECT
MGB+A STUDIO
145 WEST 200 SOUTH
SALT LAKE CITY, UTAH 84101

STRUCTURAL ENGINEER
REAVELEY ENGINEERS
250 EAST 200 SOUTH, SUITE 1000
SALT LAKE CITY, UTAH 84111

M/P/FP ENGINEER
RESOLUT GROUP
181 EAST 5600 SOUTH, SUITE 200
MURRAY, UTAH 84107

E/T ENGINEER
LYNK ENGINEERS, INC.
324 SOUTH STATE STREET, SUITE 400
SALT LAKE CITY, UTAH 84111

Intermountain Health
UTAH VALLEY SPORTS PERFORMANCE CENTER
PROJECT ADDRESS: WEST 180 NORTH, 200 WEST PROVIDENCE, UTAH 8404

SEAL & SIGNATURE

KEY PLAN

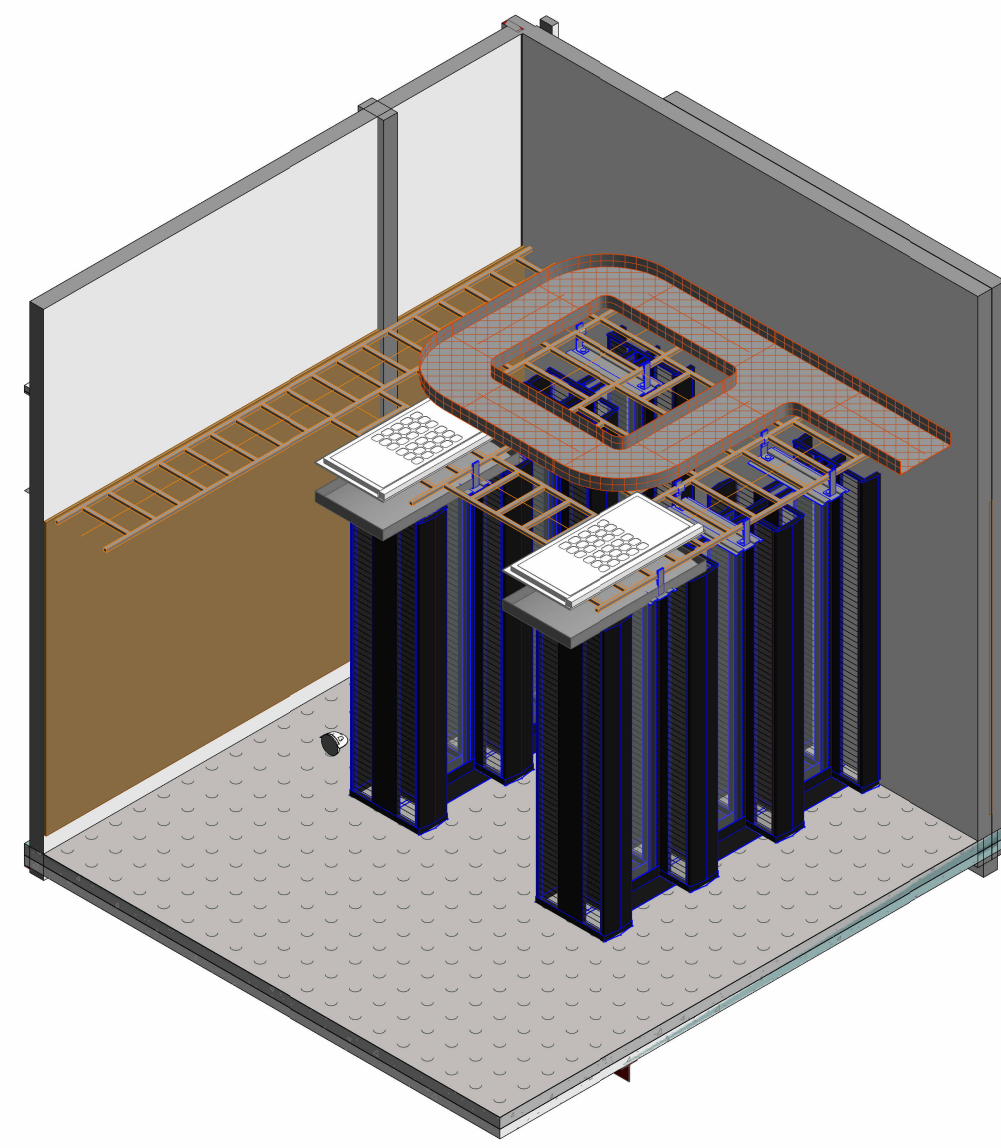
REVISION	NO.	DESCRIPTION	DATE
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HKS PROJECT NUMBER
27487.000
DATE
8/26/2026
ISSUE
DESIGN DEVELOPMENT

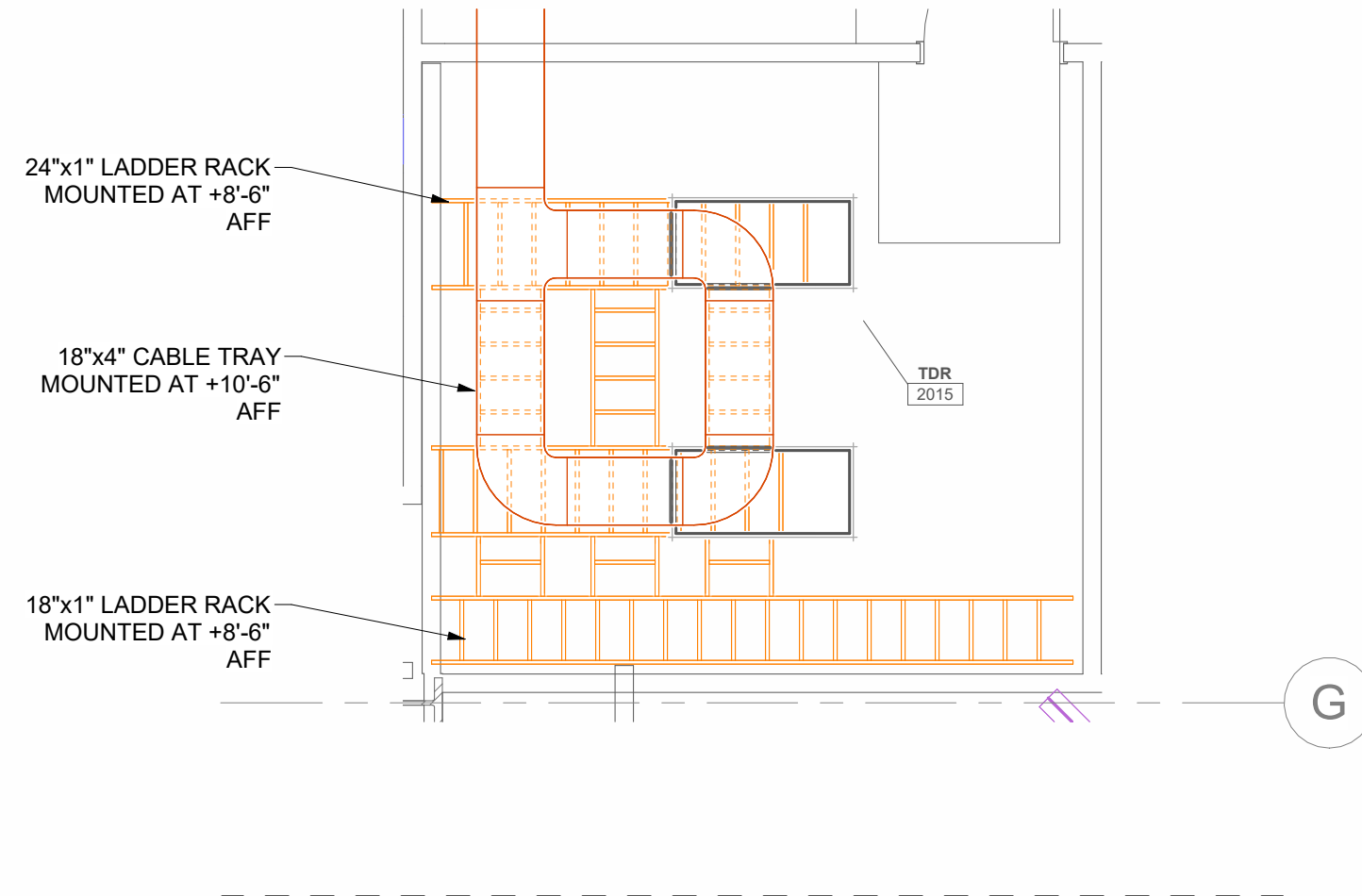
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ENLARGED POWER PLANS

SHEET NO.

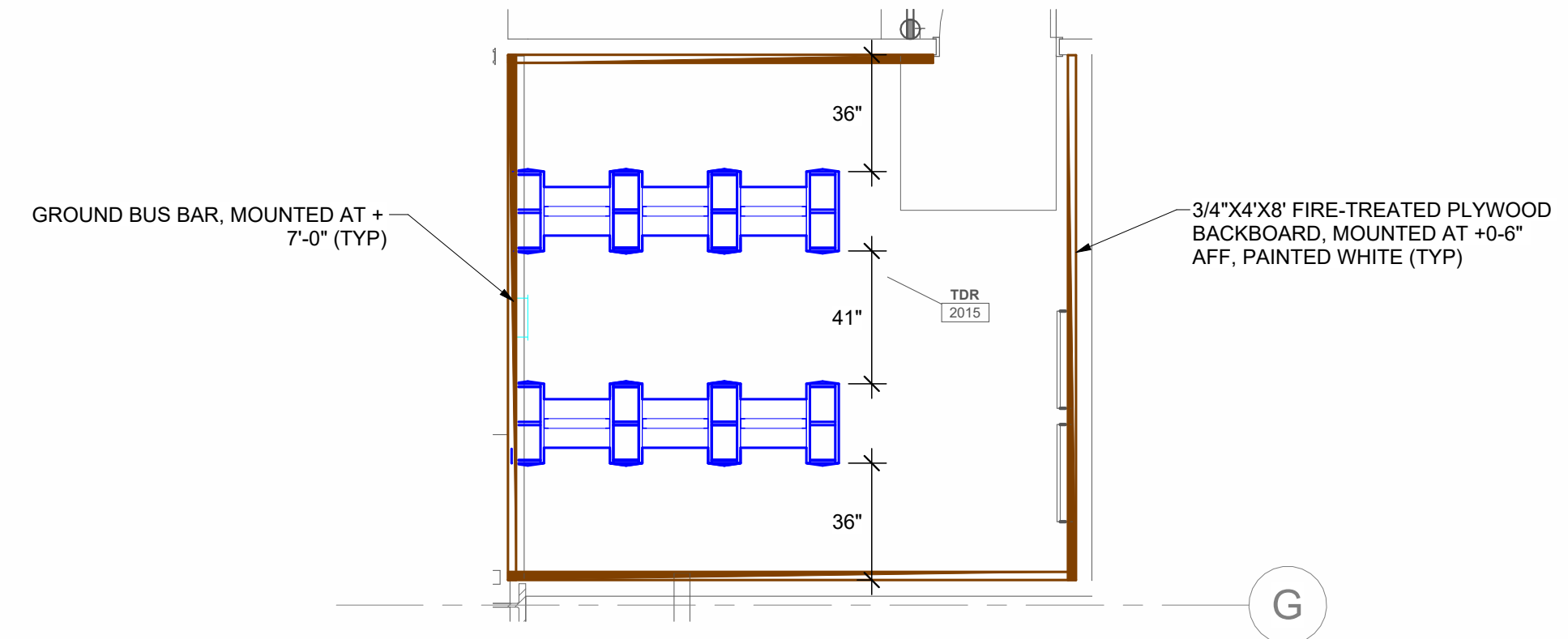
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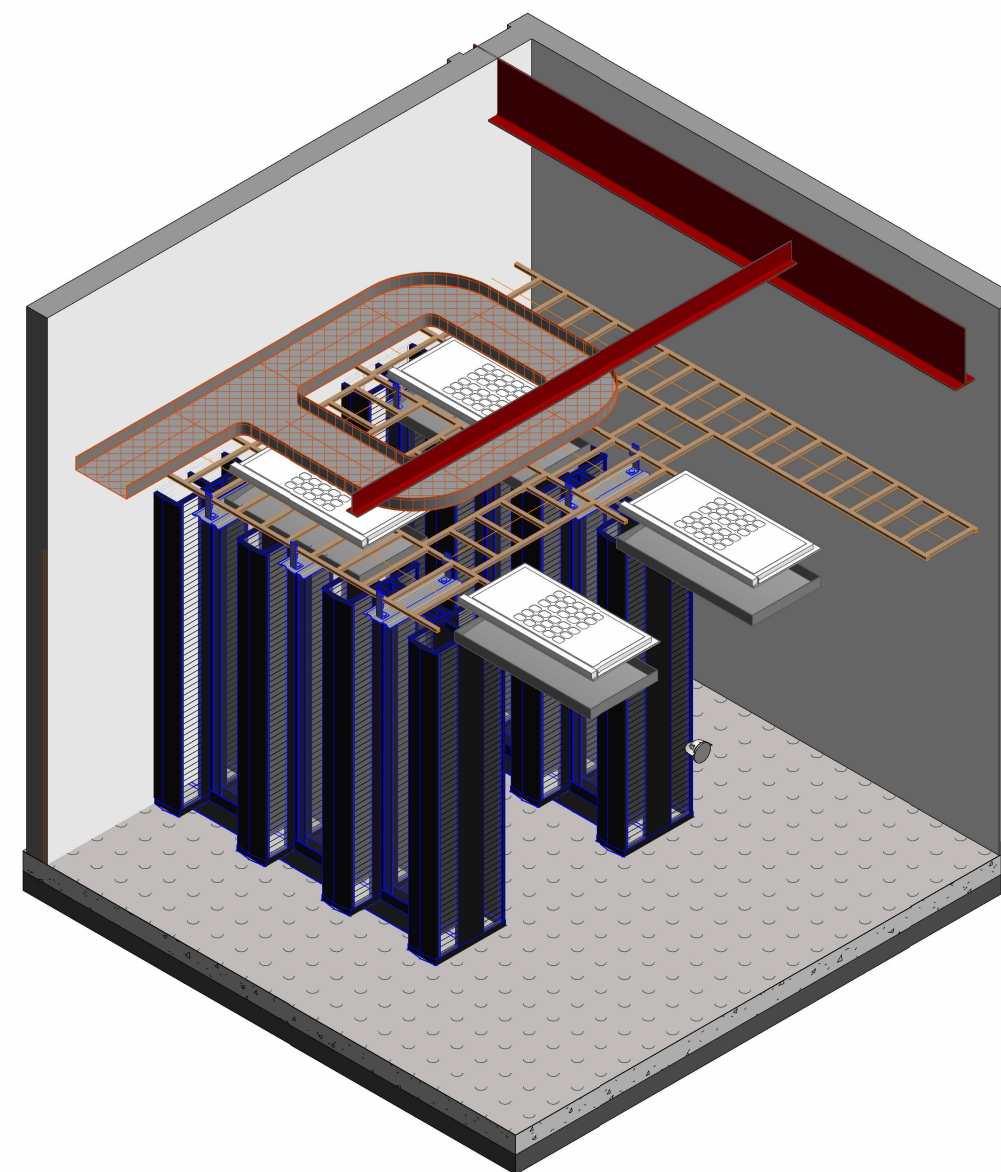
7 TELECOM ENLARGED ISOMETRIC PLAN - TDR - 2015
SCALE:



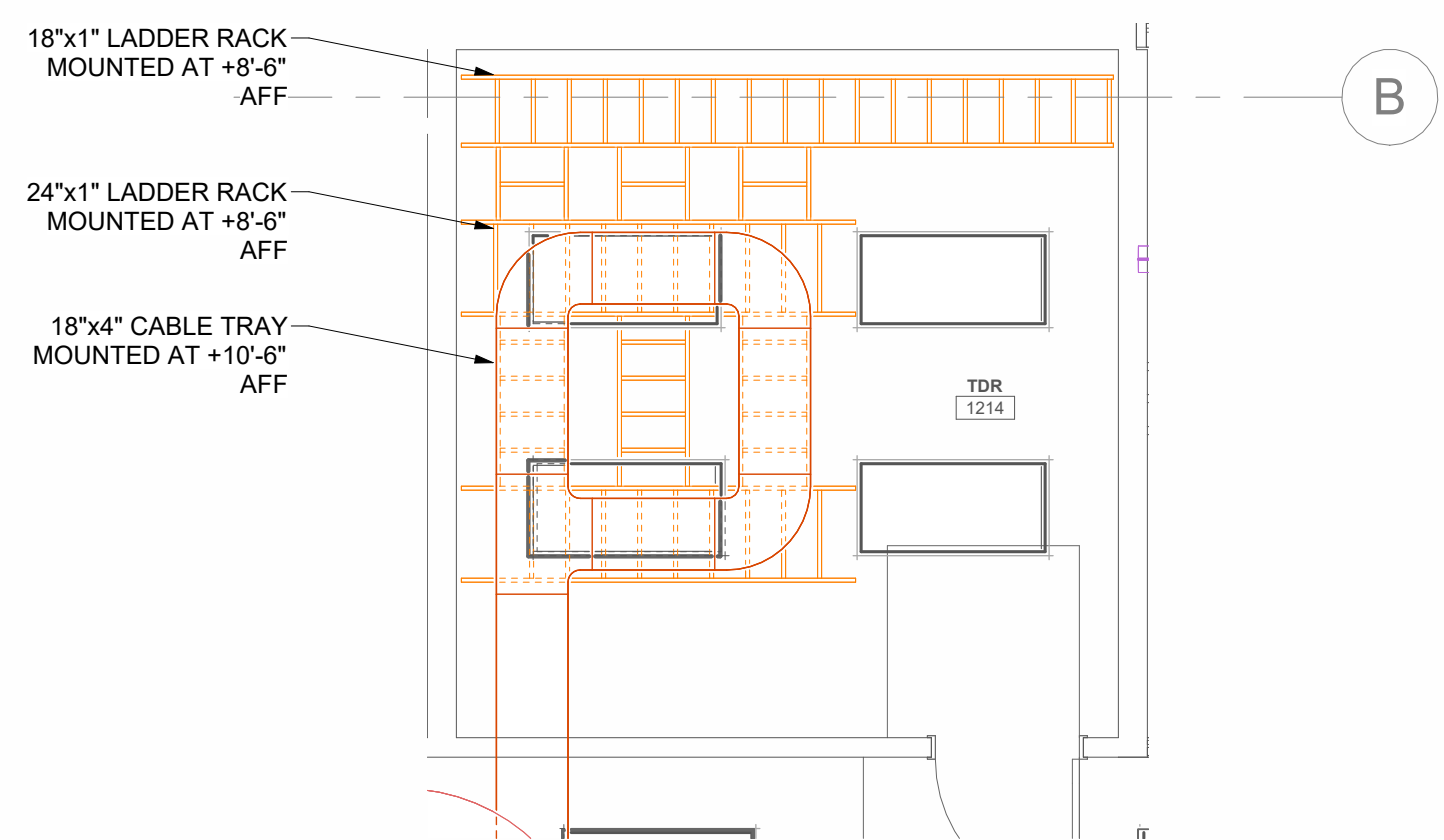
6 TELECOM ENLARGED LADDER RACK PLAN - TDR - 2015
SCALE: 1/4" = 1'-0"



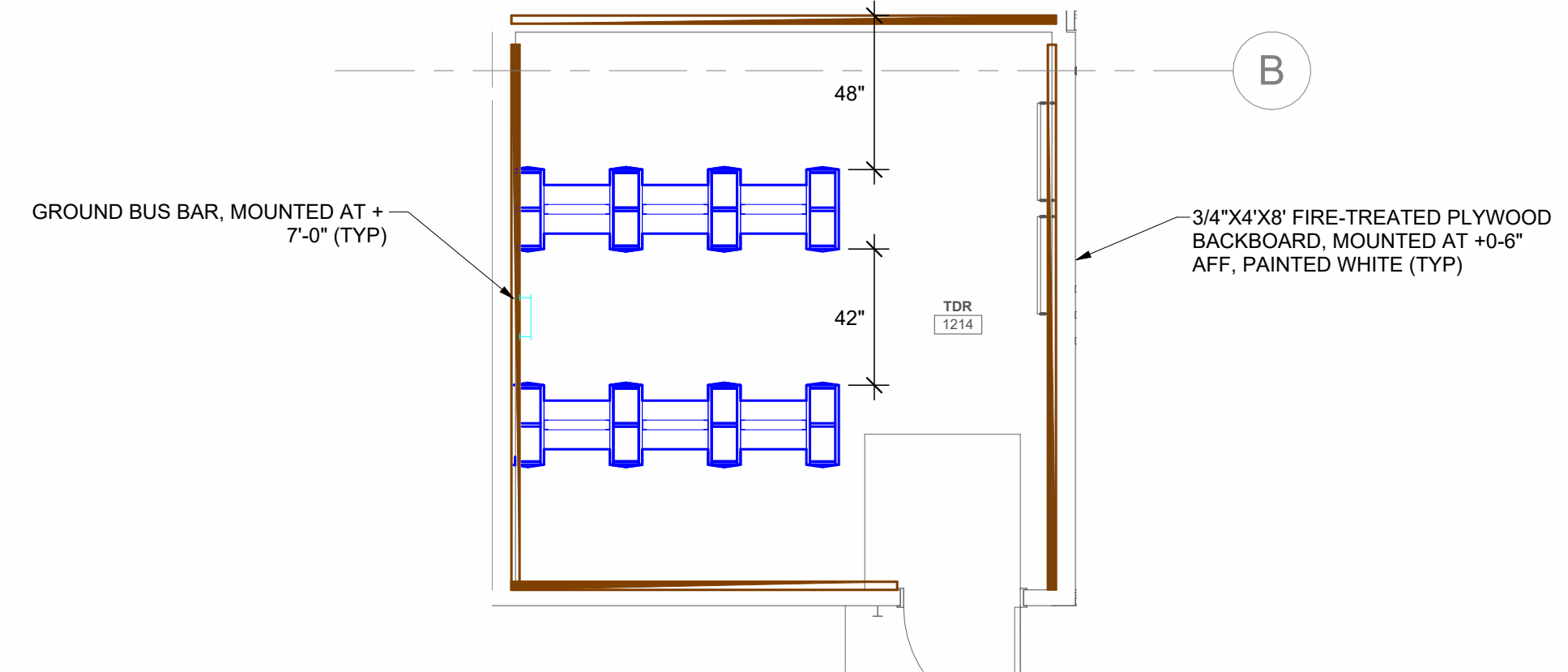
5 TELECOM ENLARGED EQUIPMENT RACK PLAN - TDR - 2015
SCALE: NTS



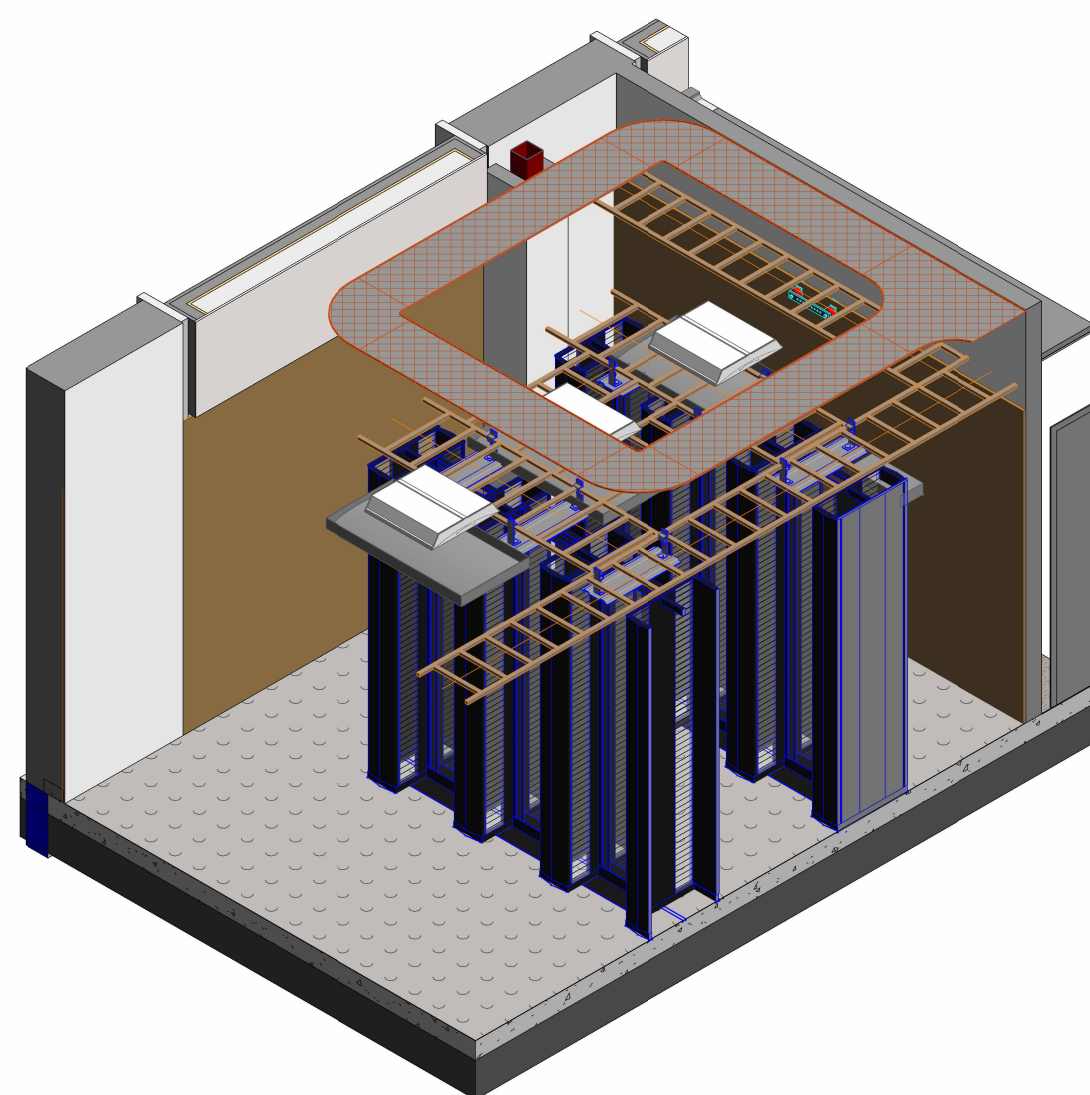
10 TELECOM ENLARGED ISOMETRIC PLAN - TDR - 1214
SCALE:



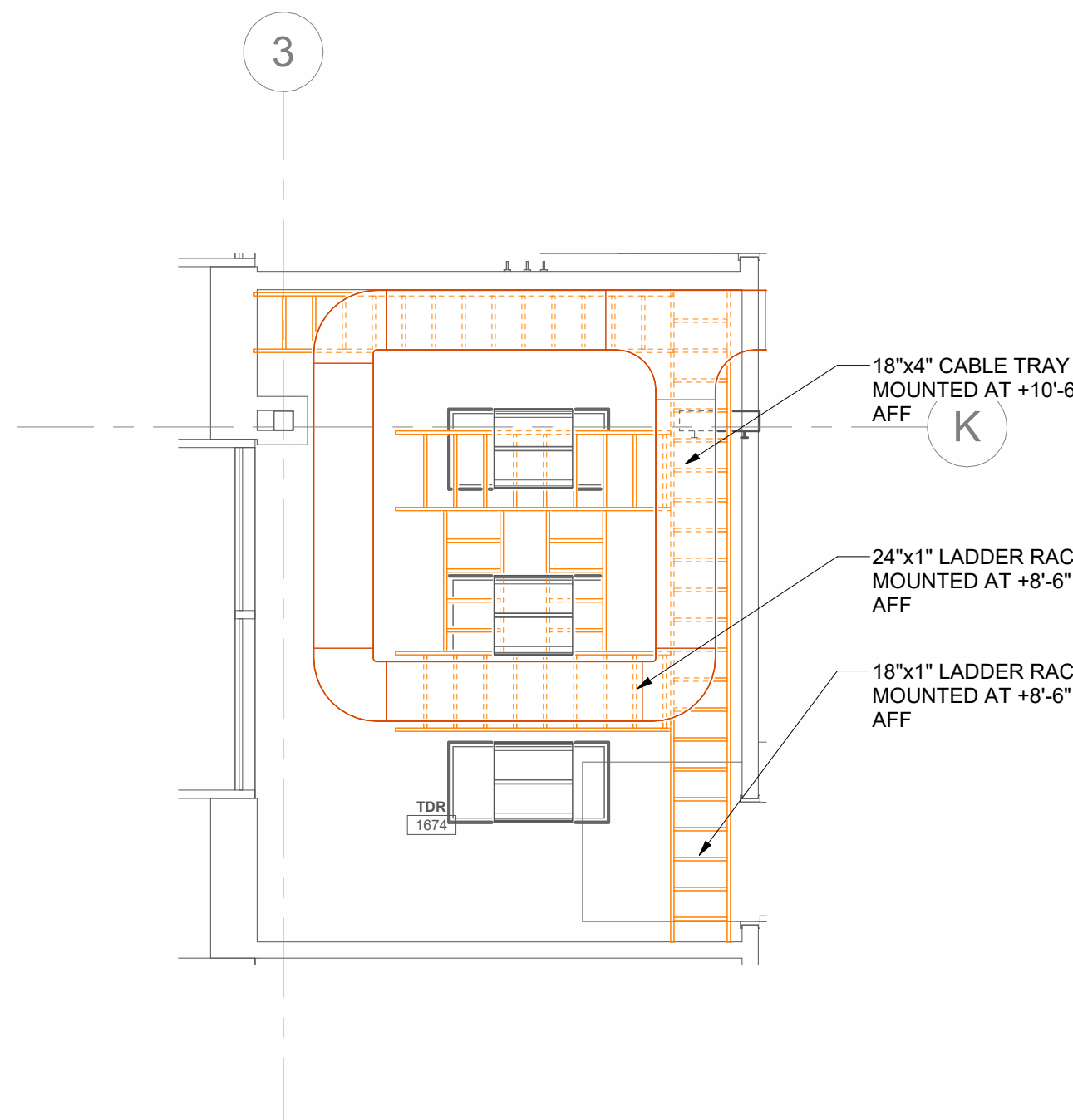
4 TELECOM ENLARGED LADDER RACK PLAN - TDR - 1214
SCALE: 1/4" = 1'-0"



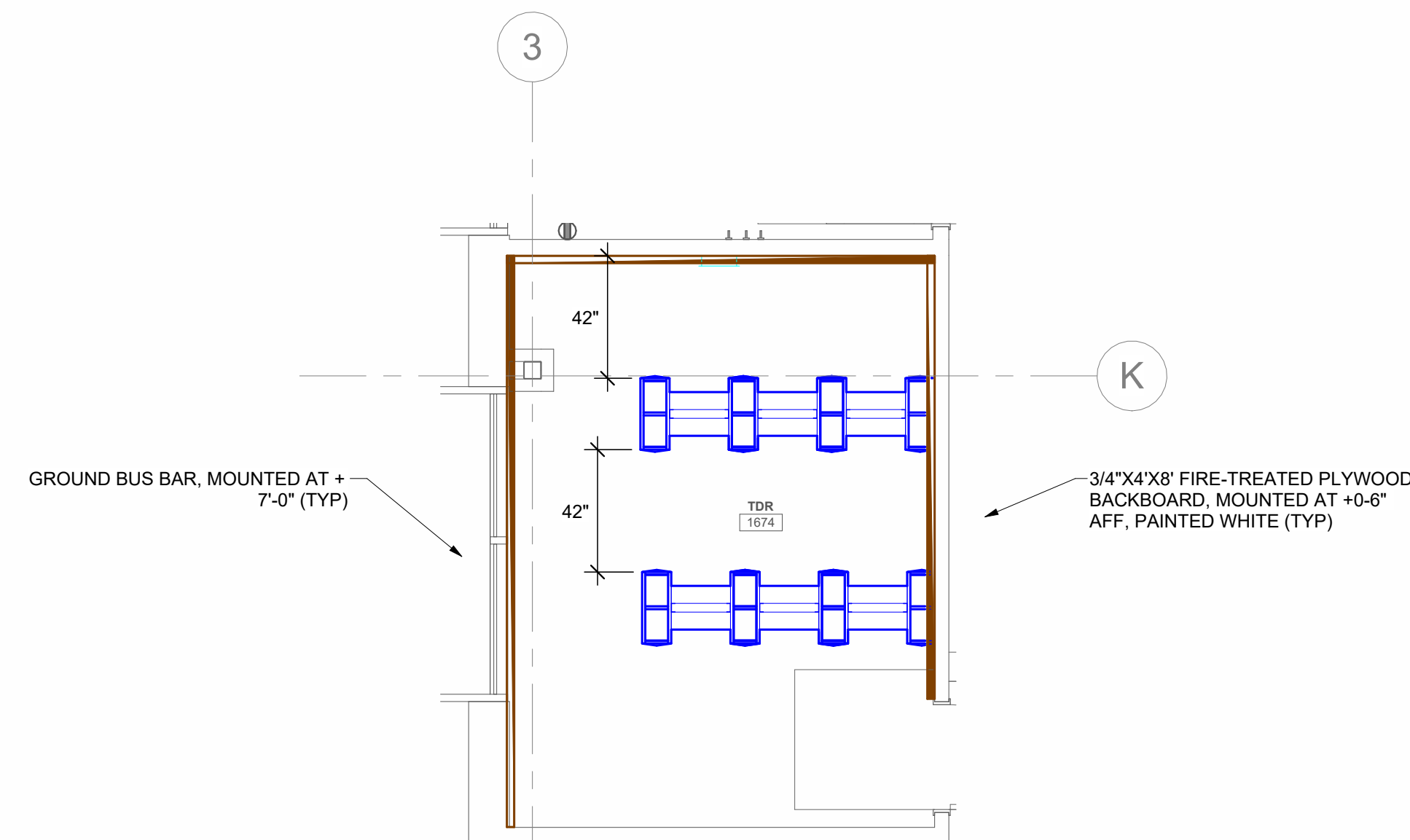
3 TELECOM ENLARGED EQUIPMENT RACK PLAN - TDR - 1214
SCALE: 1/4" = 1'-0"



8 TELECOM ENLARGED ISOMETRIC PLAN - TDR - 1674
SCALE:



2 TELECOM ENLARGED LADDER RACK PLAN - TDR - 1674
SCALE: 1/4" = 1'-0"

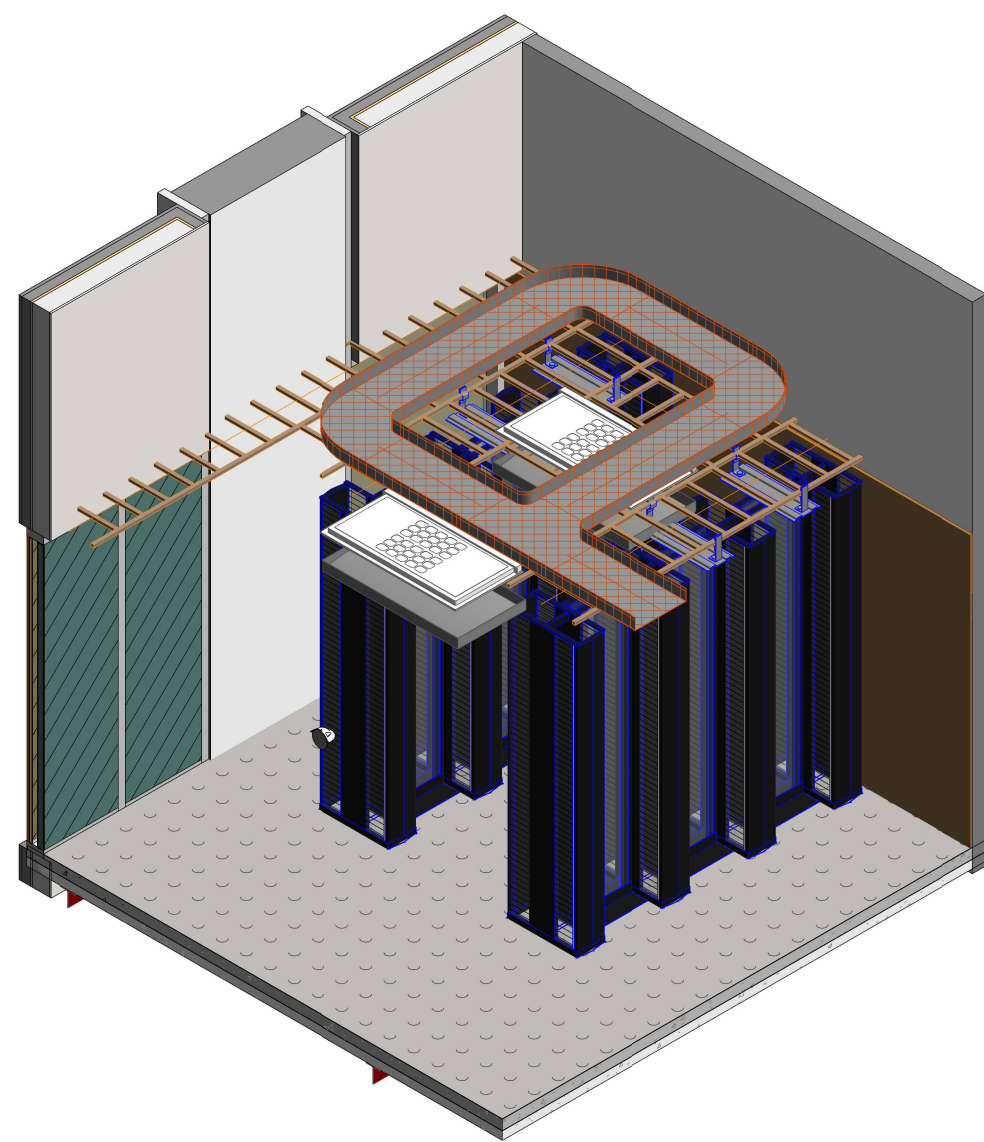


1 TELECOM ENLARGED EQUIPMENT RACK PLAN - TDR - 1674
SCALE: 1/4" = 1'-0"

4

TELECOM ENLARGED ISOMETRIC PLAN - TDR - 2161

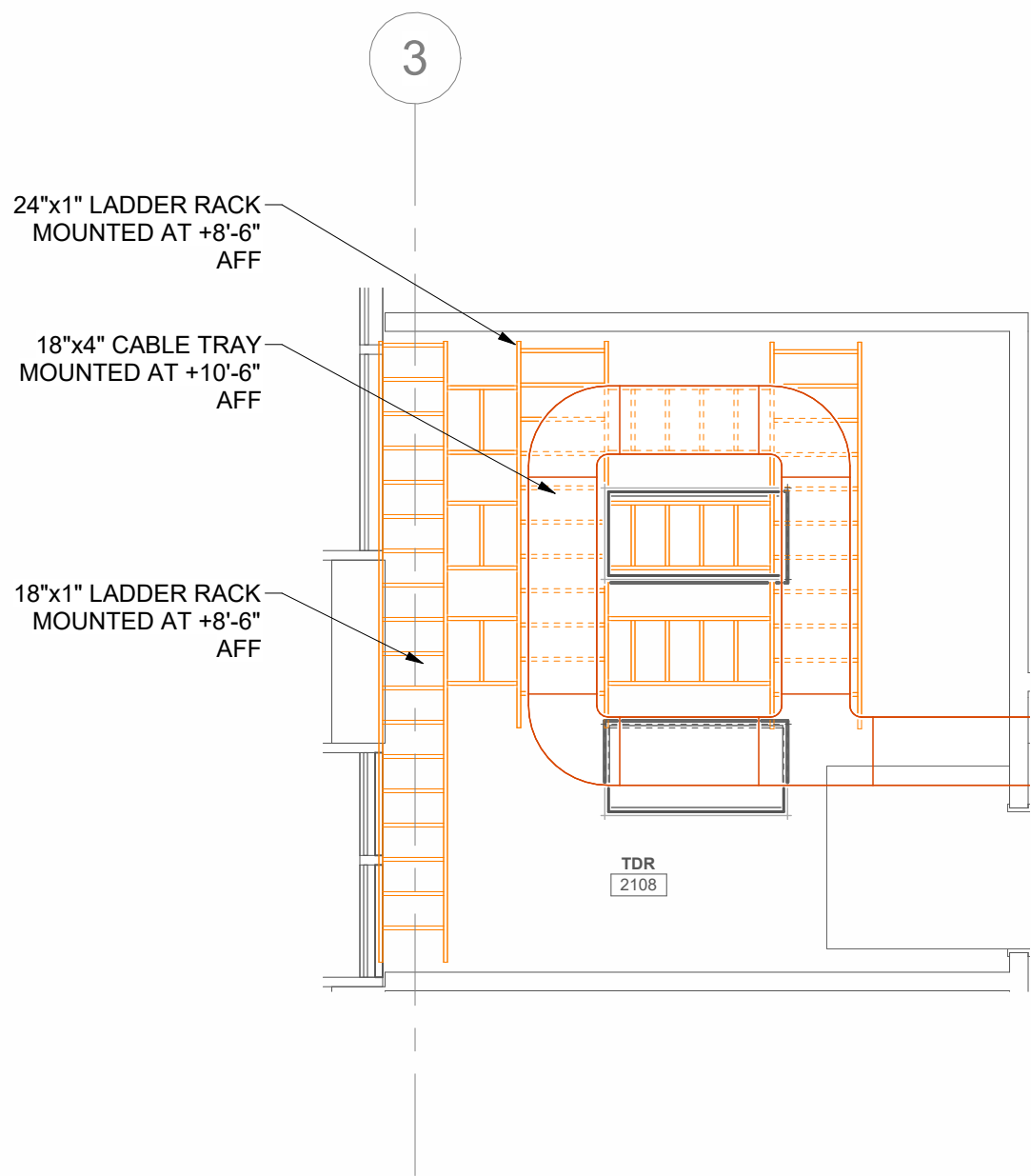
SCALE:



2

TELECOM ENLARGED LADDER RACK PLAN - TDR - 2108

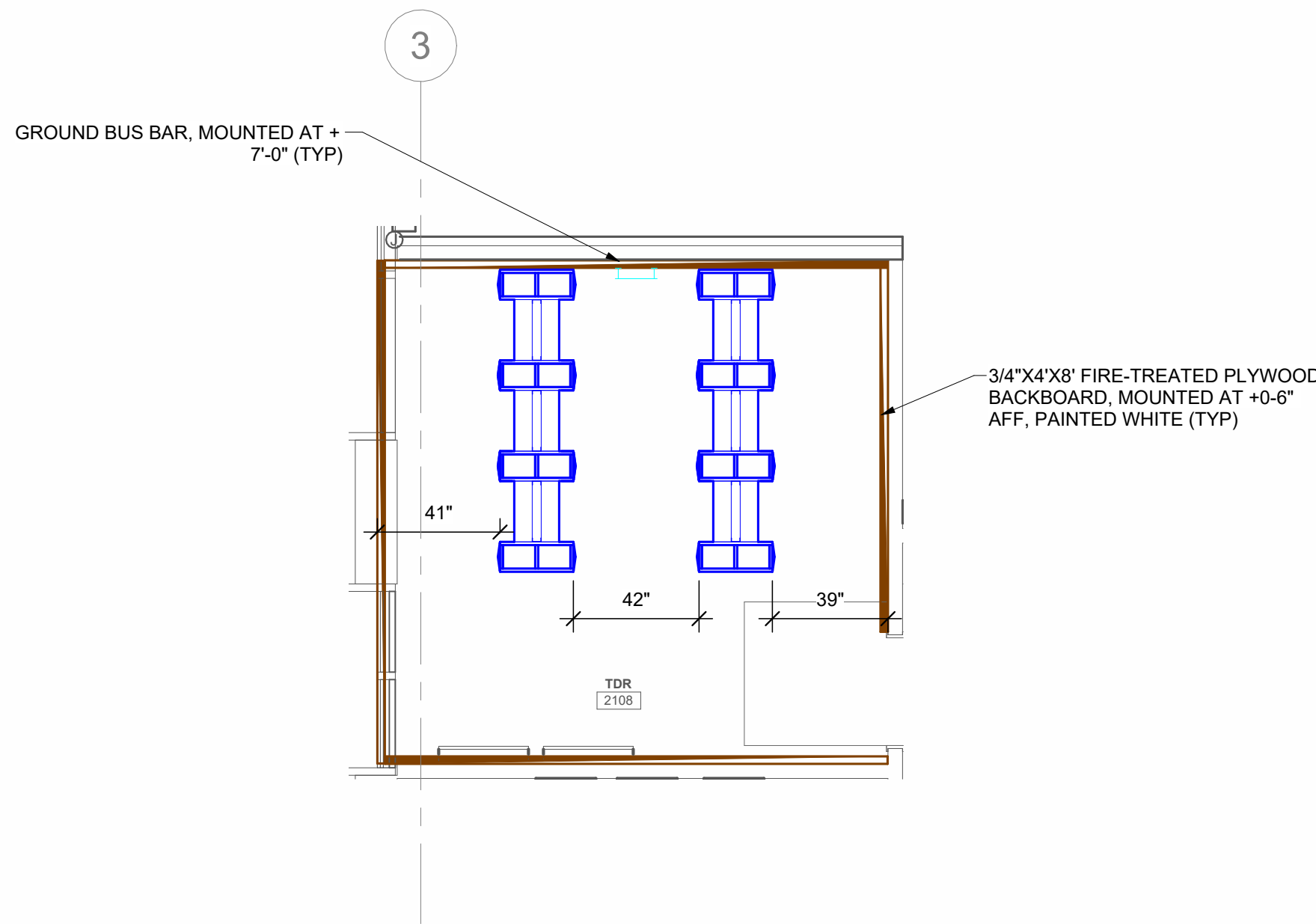
SCALE: 1/4" = 1'-0"



3

TELECOM ENLARGED EQUIPMENT RACK PLAN - TDR - 2108

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



HKS

ARCHITECT
HKS ARCHITECTS, INC.
90 SOUTH 400 WEST, #110
SALT LAKE CITY, UTAH 84101

CIVIL ENGINEER
GREAT BASIN ENGINEERING, INC.
5746 SOUTH 1475 EAST
OGDEN, UTAH 84403

LANDSCAPE ARCHITECT
MGB+A STUDIO
145 WEST 200 SOUTH
SALT LAKE CITY, UTAH 84101

STRUCTURAL ENGINEER
REAVELEY ENGINEERS
250 EAST 200 SOUTH, SUITE 1000
SALT LAKE CITY, UTAH 84111

M/P/FP ENGINEER
RESOLUT GROUP
181 EAST 5600 SOUTH, SUITE 200
MURRAY, UTAH 84107

E/T ENGINEER
LYNK ENGINEERS, INC.
324 SOUTH STATE STREET, SUITE 400
SALT LAKE CITY, UTAH 84111

Intermountain
Health
UTAH VALLEY SPORTS
PERFORMANCE CENTER

SEAL & SIGNATURE

KEY PLAN

REVISION	NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER

27487.000

DATE

8/26/2026

ISSUE

DESIGN DEVELOPMENT

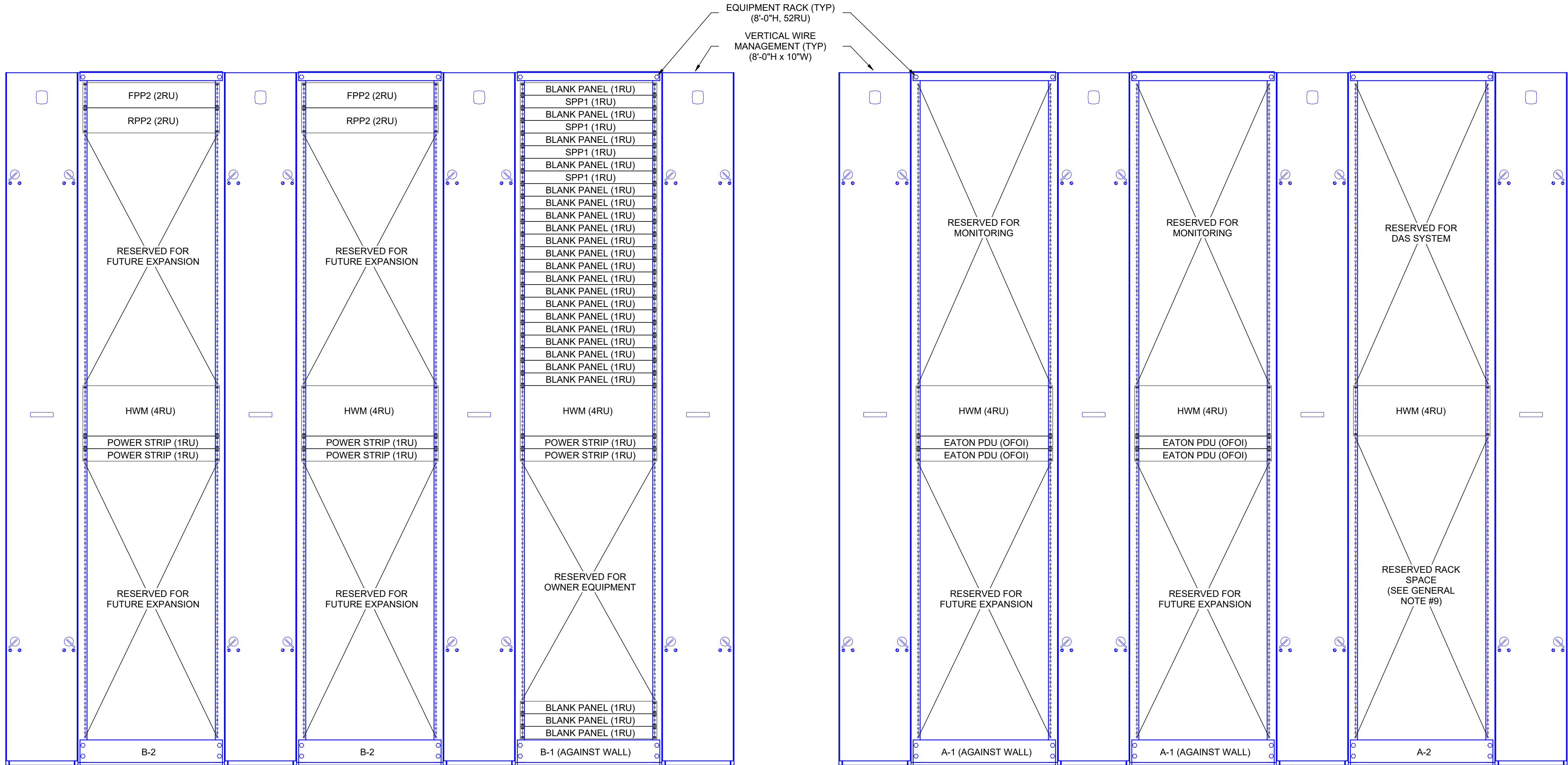
SHEET TITLE

**ENLARGED TELECOM
PLANS**

SHEET NO.

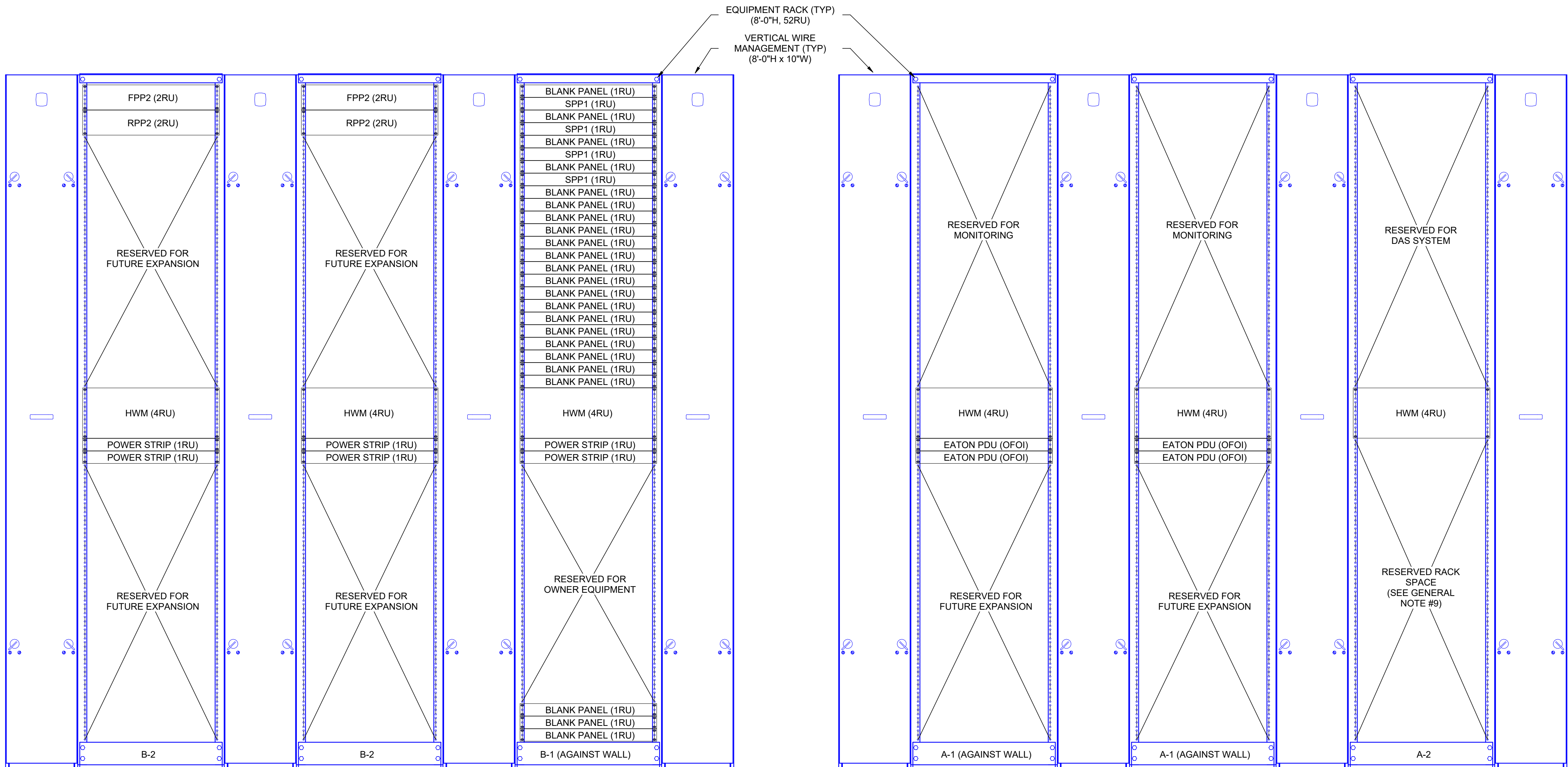
EP451

DATA DEVICE DROP SCHEDULE - TDR 1214				
DATA DEVICE TYPE	DETAIL LOCATION	COMM ROOM LOCATION	TOTAL BY FLOOR	NUM. OF DROPS



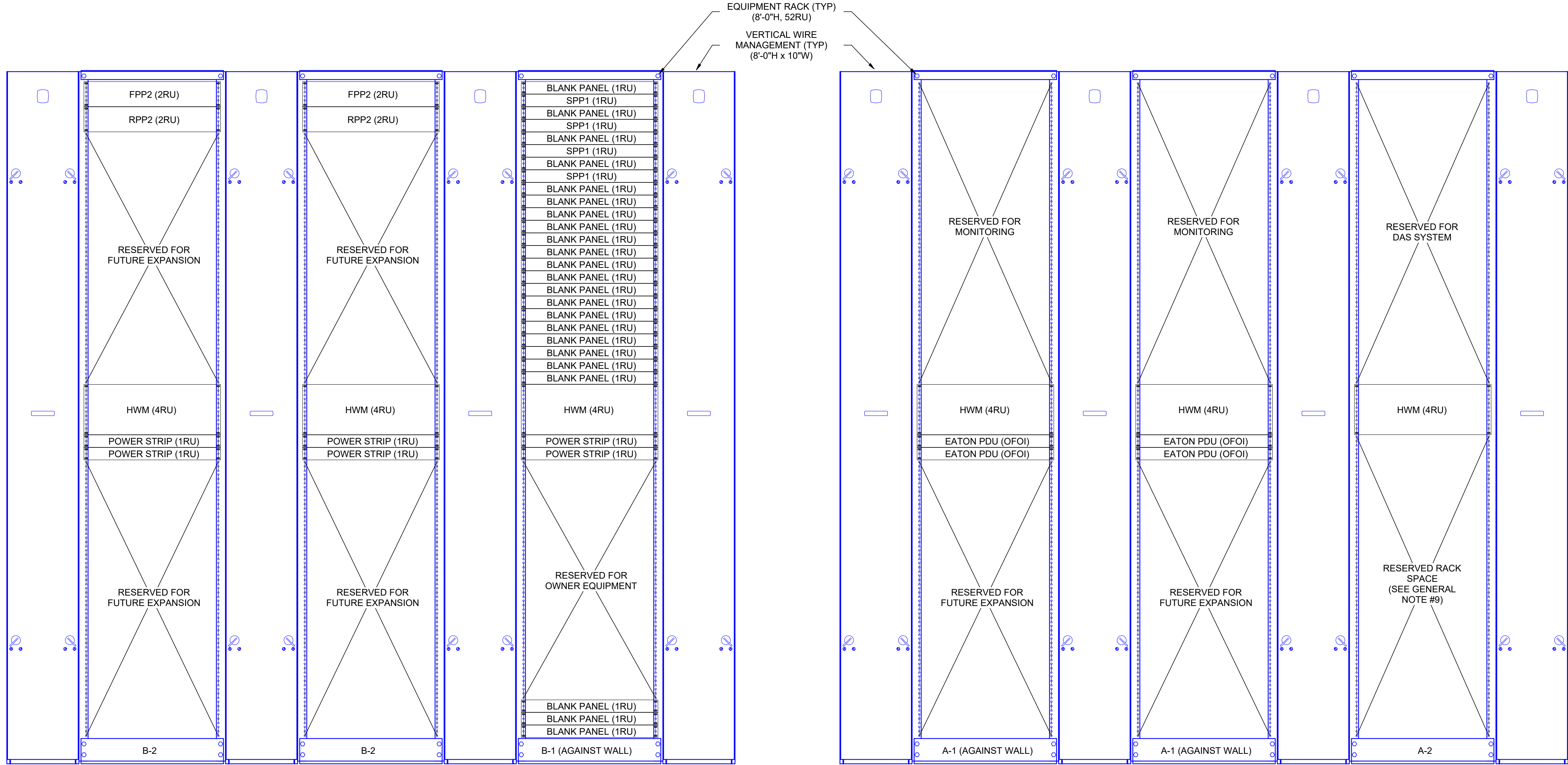
2 EQUIPMENT RACK ELEVATION DETAIL, LEVEL 01, TDR 1214
SCALE: 1/8" = 1'-0"

DATA DEVICE DROP SCHEDULE - TDR 1674				
DATA DEVICE TYPE	DETAIL LOCATION	COMM ROOM LOCATION	TOTAL BY FLOOR	NUM. OF DROPS



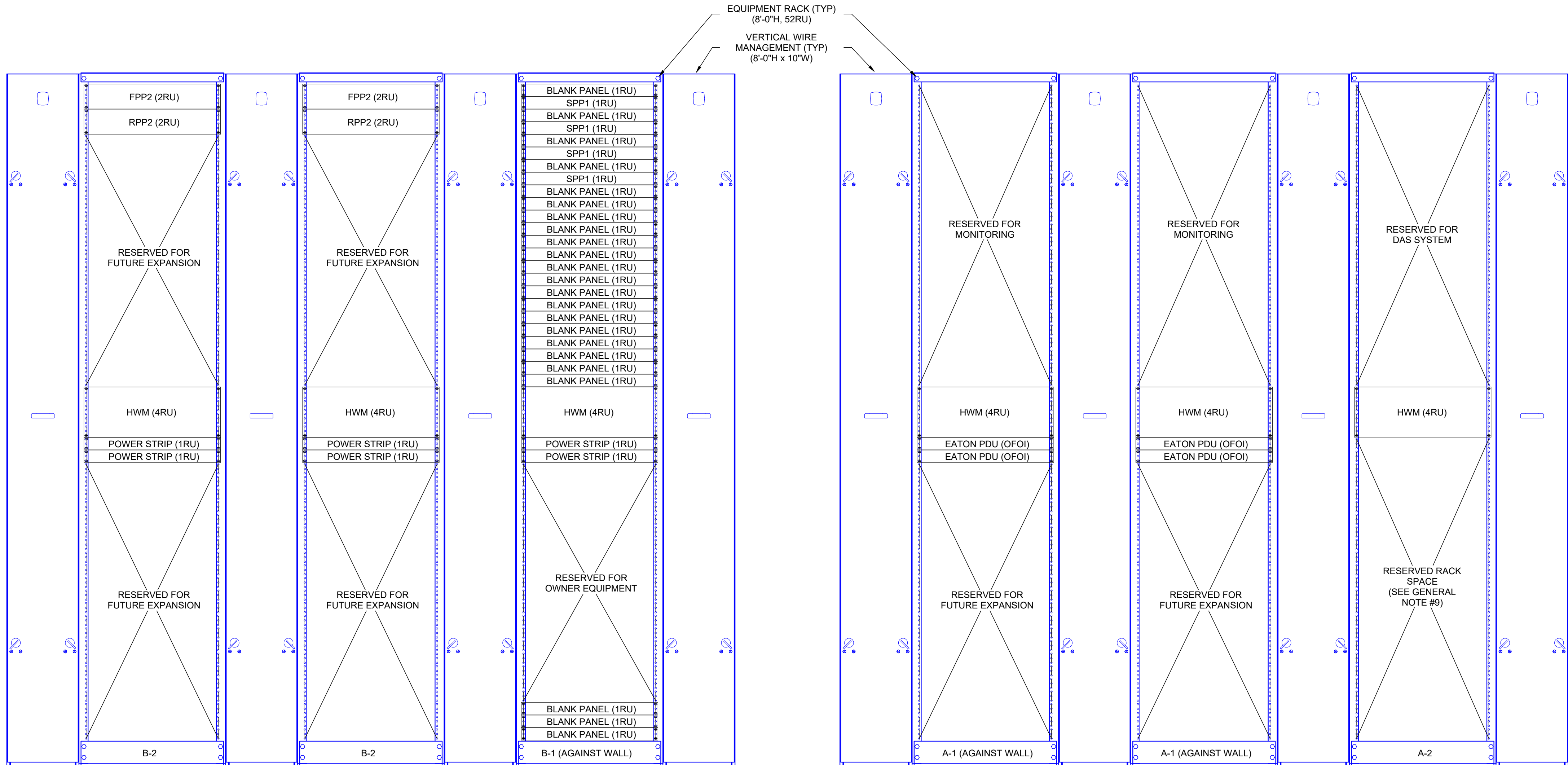
1 EQUIPMENT RACK ELEVATION DETAIL, LEVEL 01, TDR 1674
SCALE: NTS

DATA DEVICE DROP SCHEDULE - TDR 238				
DATA DEVICE TYPE	DETAIL LOCATION	COMM ROOM LOCATION	TOTAL BY FLOOR	NUM. OF DROPS

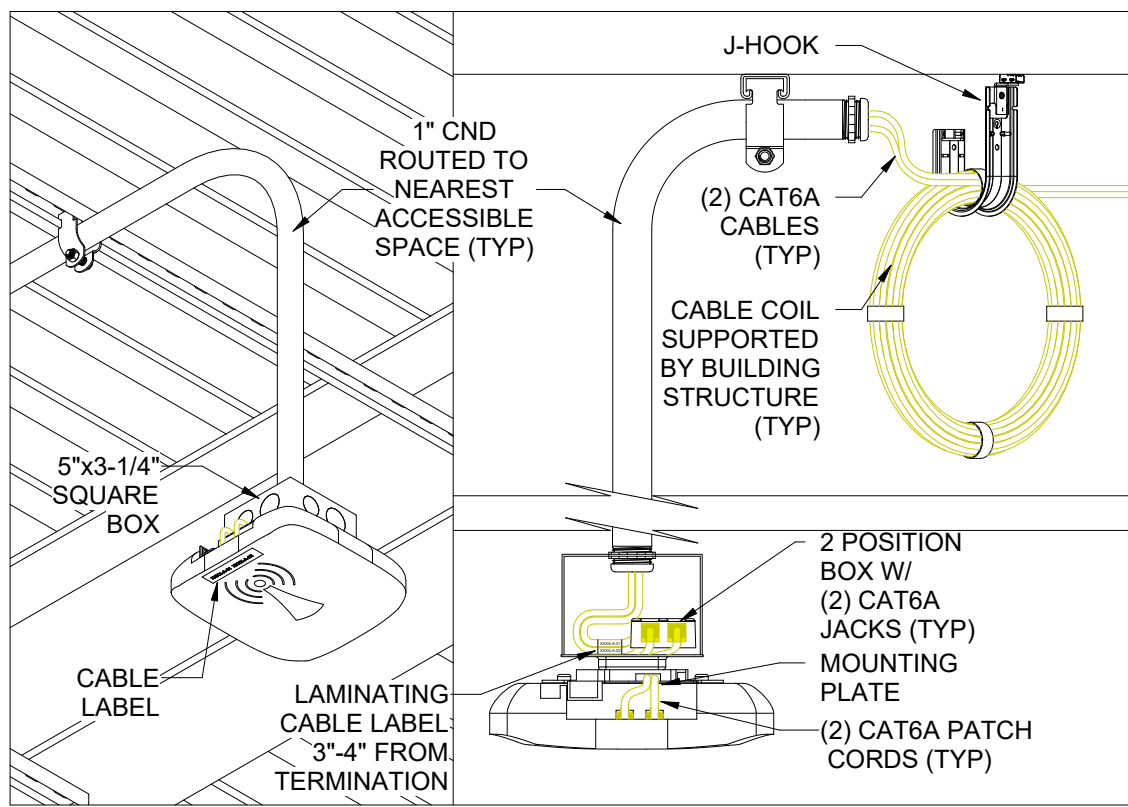


2 EQUIPMENT RACK ELEVATION DETAIL, LEVEL 02, TDR 238
SCALE: NTS

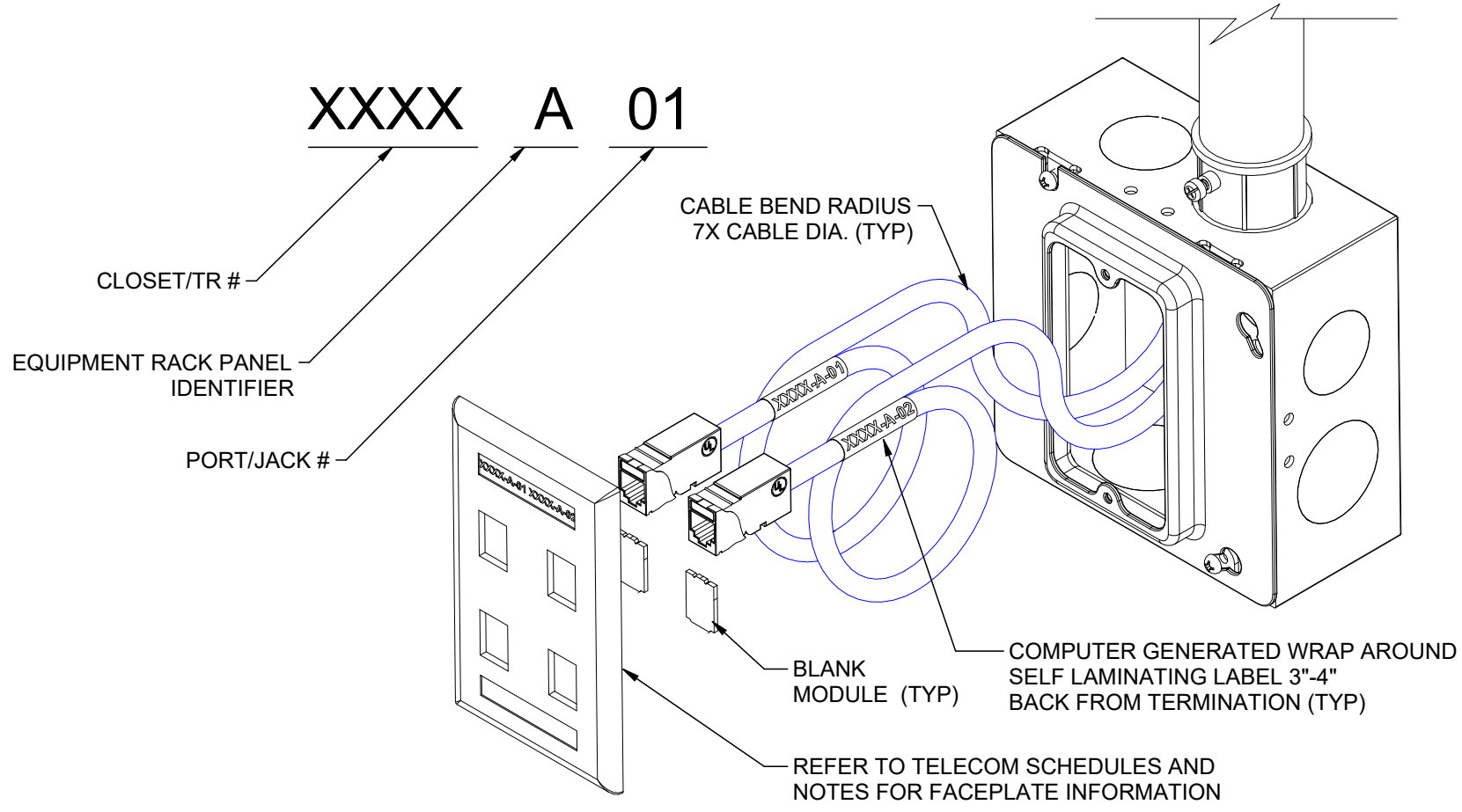
DATA DEVICE DROP SCHEDULE - TDR 2161				
DATA DEVICE TYPE	DETAIL LOCATION	COMM ROOM LOCATION	TOTAL BY FLOOR	NUM. OF DROPS



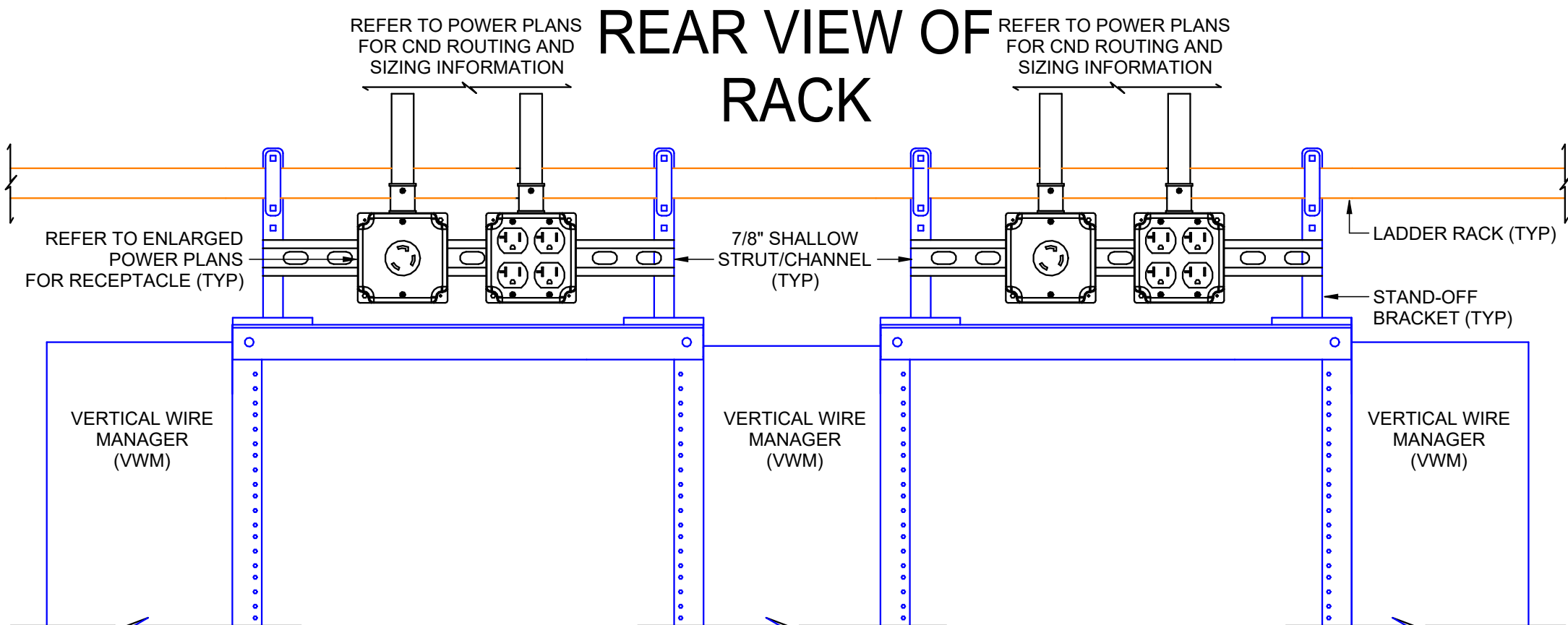
1 EQUIPMENT RACK ELEVATION DETAIL, LEVEL 02, TDR 2161
SCALE: NTS



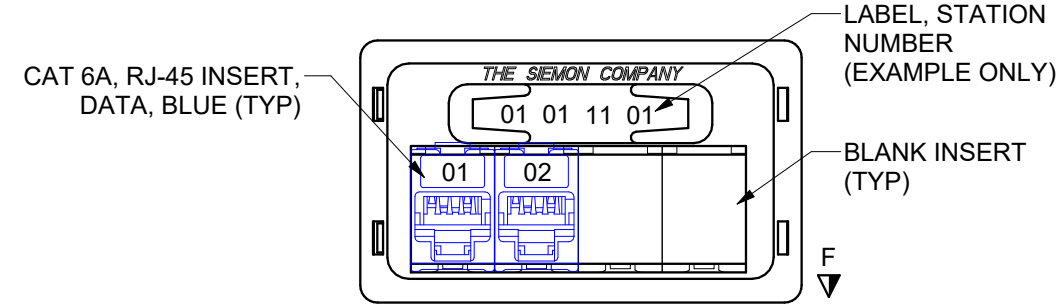
12 WIRELESS AP MOUNTING
DETAIL (OPEN CEILING)(2-DROP)
SCALE: 1/8" = 1'-0"



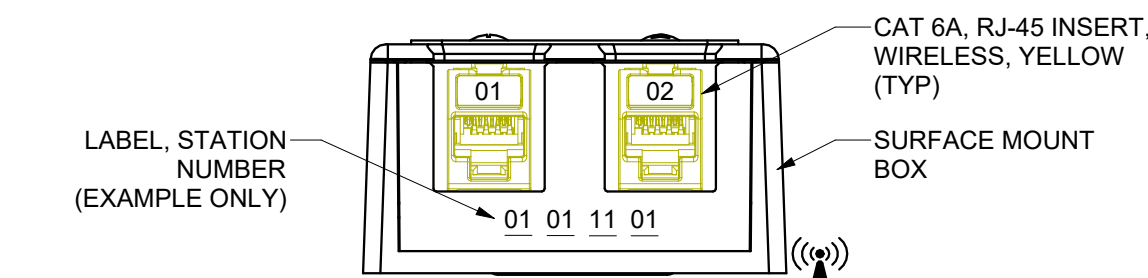
11 TYPICAL CABLE IDENTIFICATION WRAP AROUND DETAIL
SCALE: 1/8" = 1'-0"



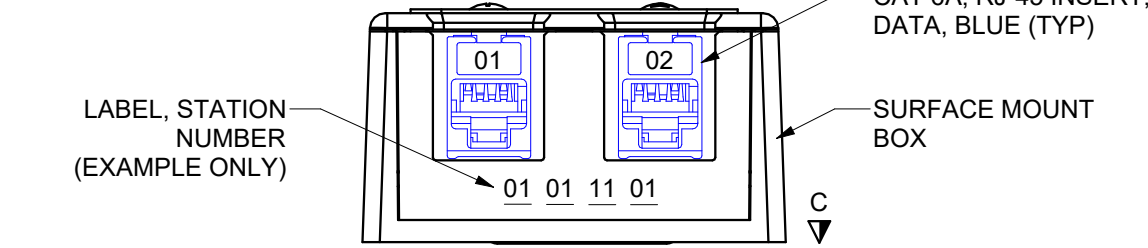
10 TYPICAL RACK POWER MOUNTING DETAIL
SCALE: 1 1/2" = 1'-0"



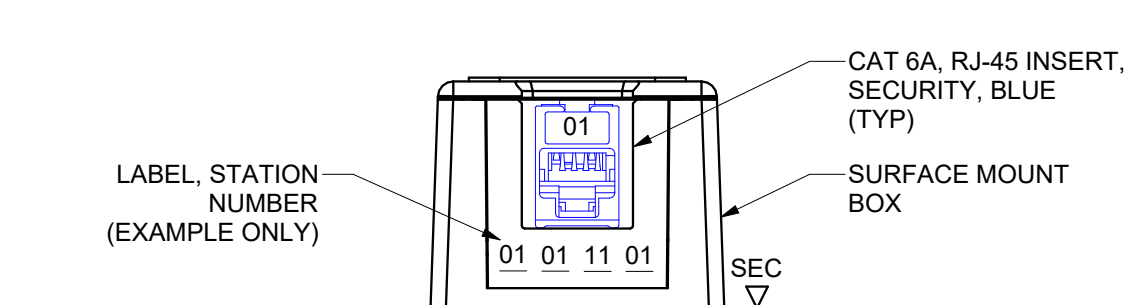
5 TYPICAL 2-PORT
FURNITURE DATA OUTLET
SCALE: 1/8" = 1'-0"



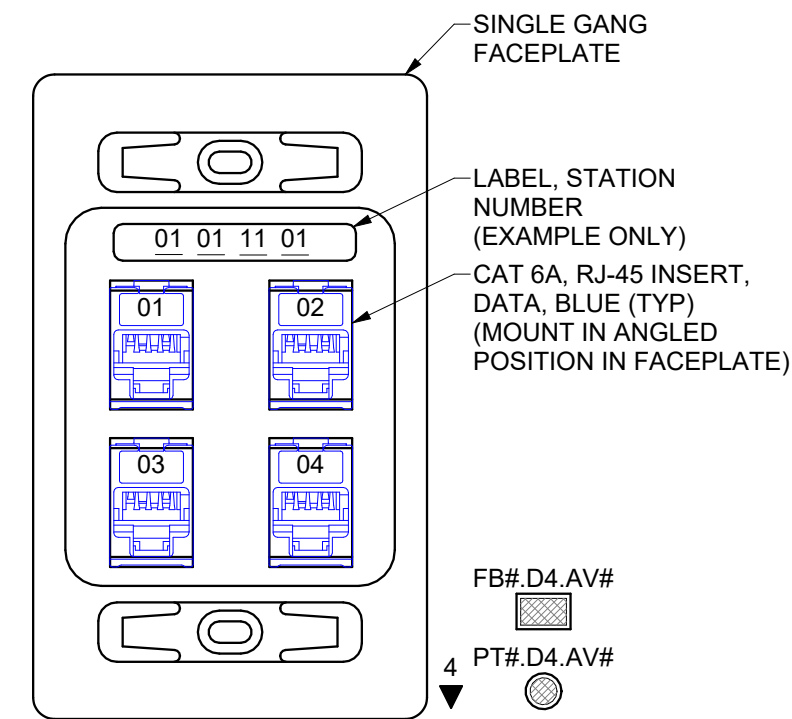
7 TYPICAL 2-PORT
WIRELESS ACCESS POINT
SCALE: 1/8" = 1'-0"



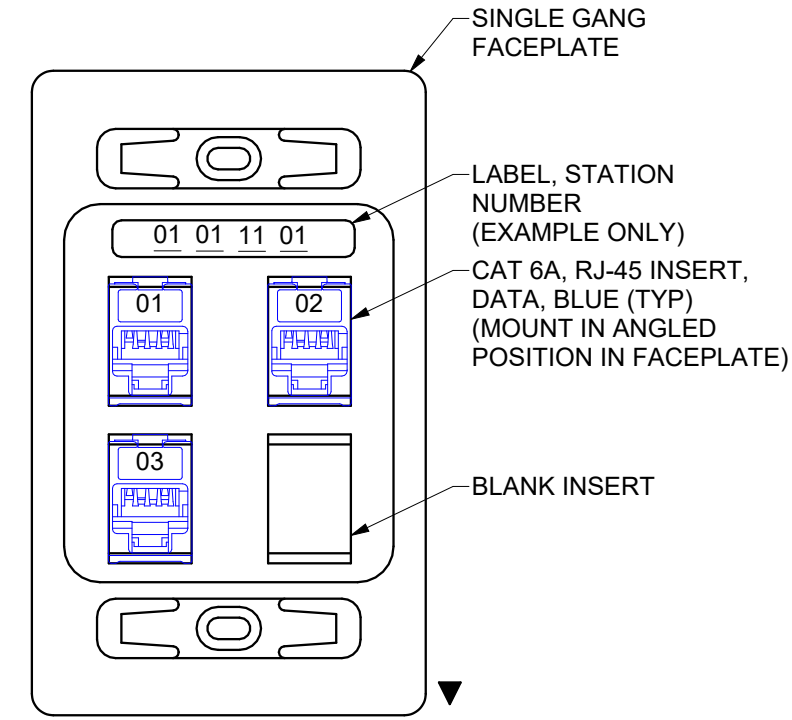
4 TYPICAL 2-PORT
CEILING DATA
SCALE: 1/8" = 1'-0"



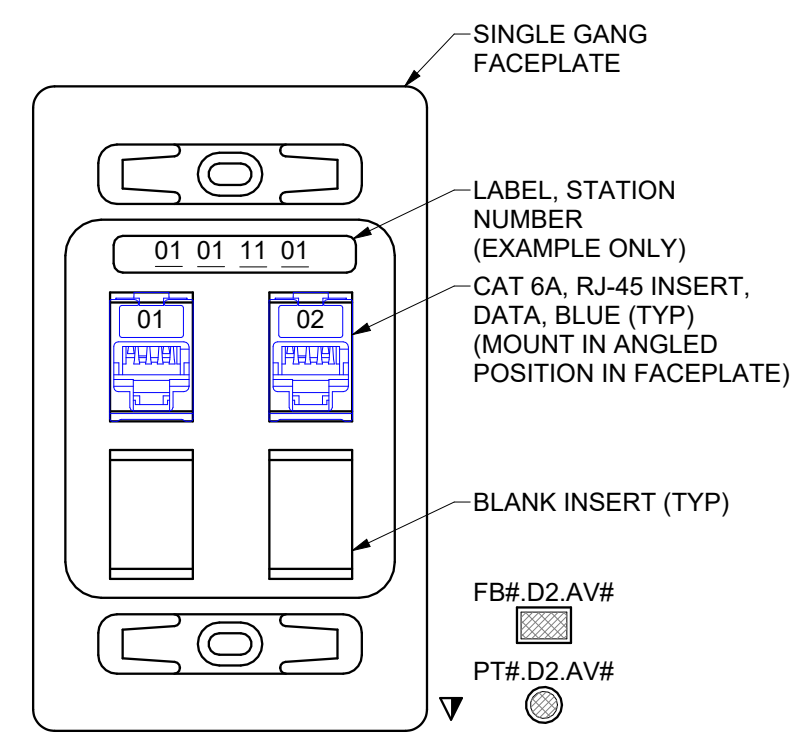
1 TYPICAL 1-PORT
CAMERA DATA OUTLET
SCALE: 1/8" = 1'-0"



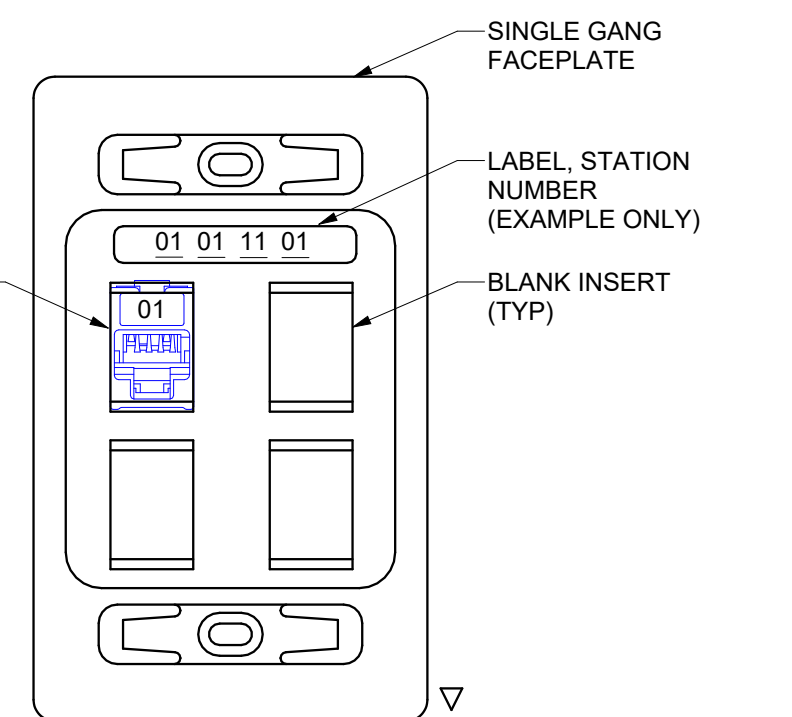
9 TYPICAL 4-PORT
WALL DATA OUTLET
SCALE: 1/8" = 1'-0"



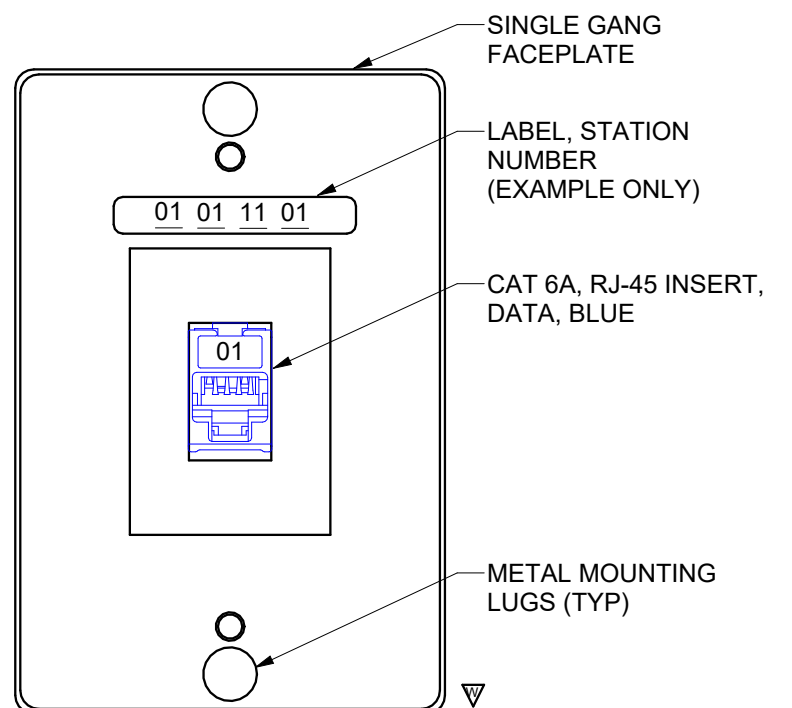
8 TYPICAL 3-PORT
WALL DATA OUTLET
SCALE: 1/8" = 1'-0"



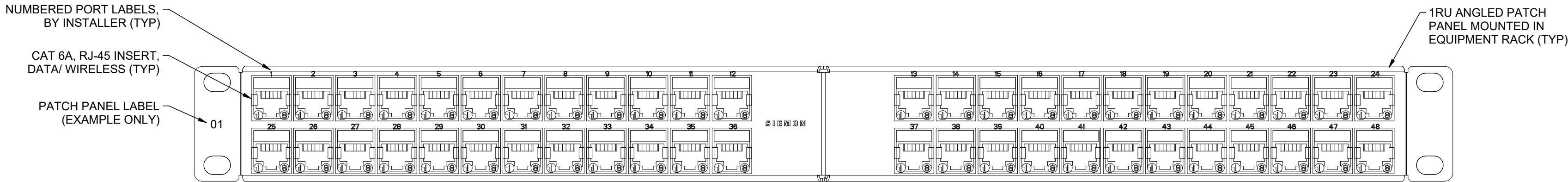
6 TYPICAL 2-PORT
WALL DATA OUTLET
SCALE: 1/8" = 1'-0"



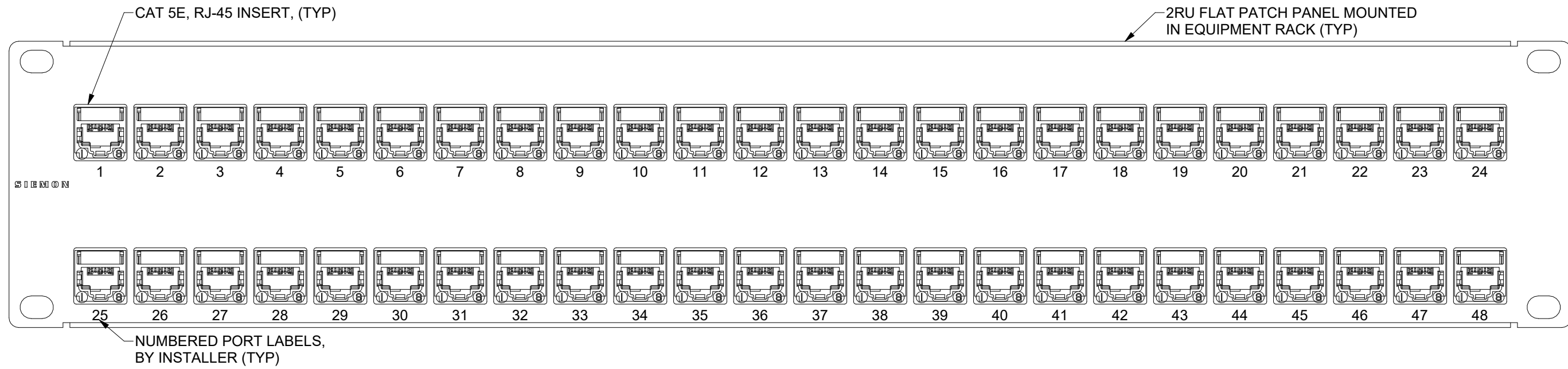
2 TYPICAL 1-PORT
WALL DATA OUTLET
SCALE: 1/8" = 1'-0"



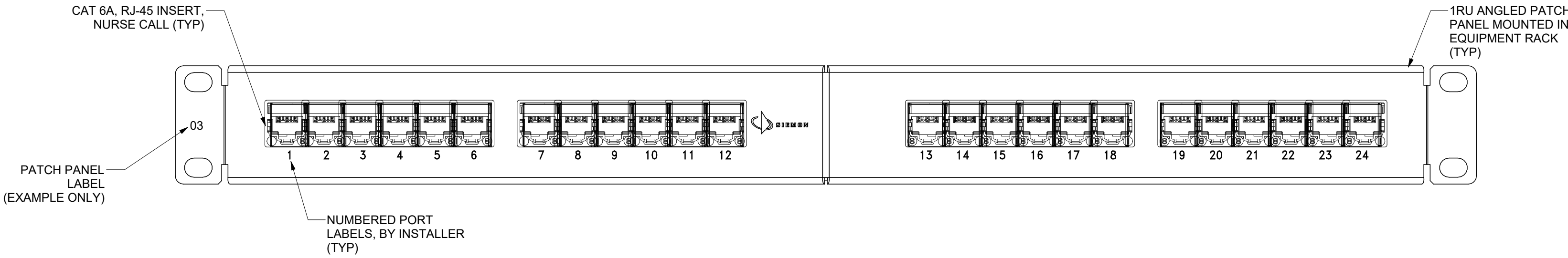
3 TYPICAL 1-PORT
WALL PHONE OUTLET
SCALE: NTS



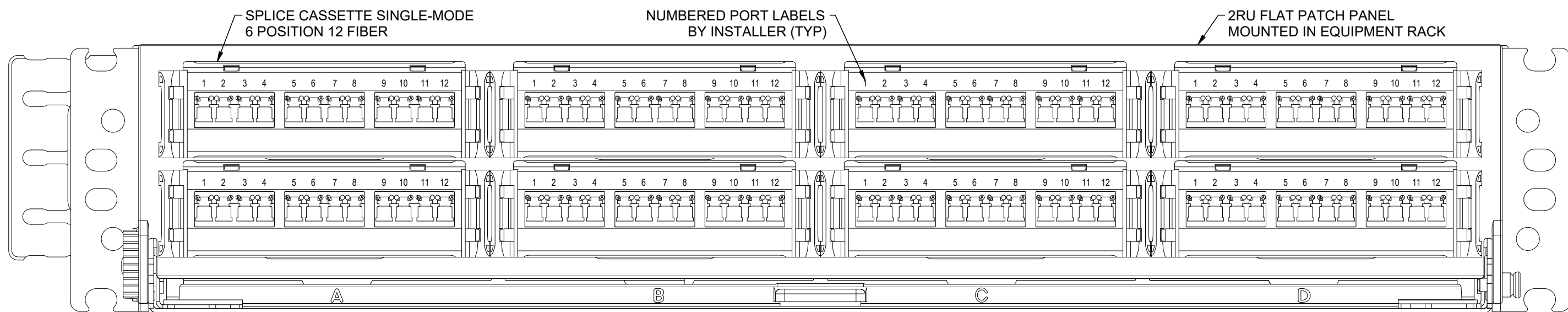
4 STATION PATCH PANEL DETAIL (SPP1)
SCALE: 1/8" = 1'-0"



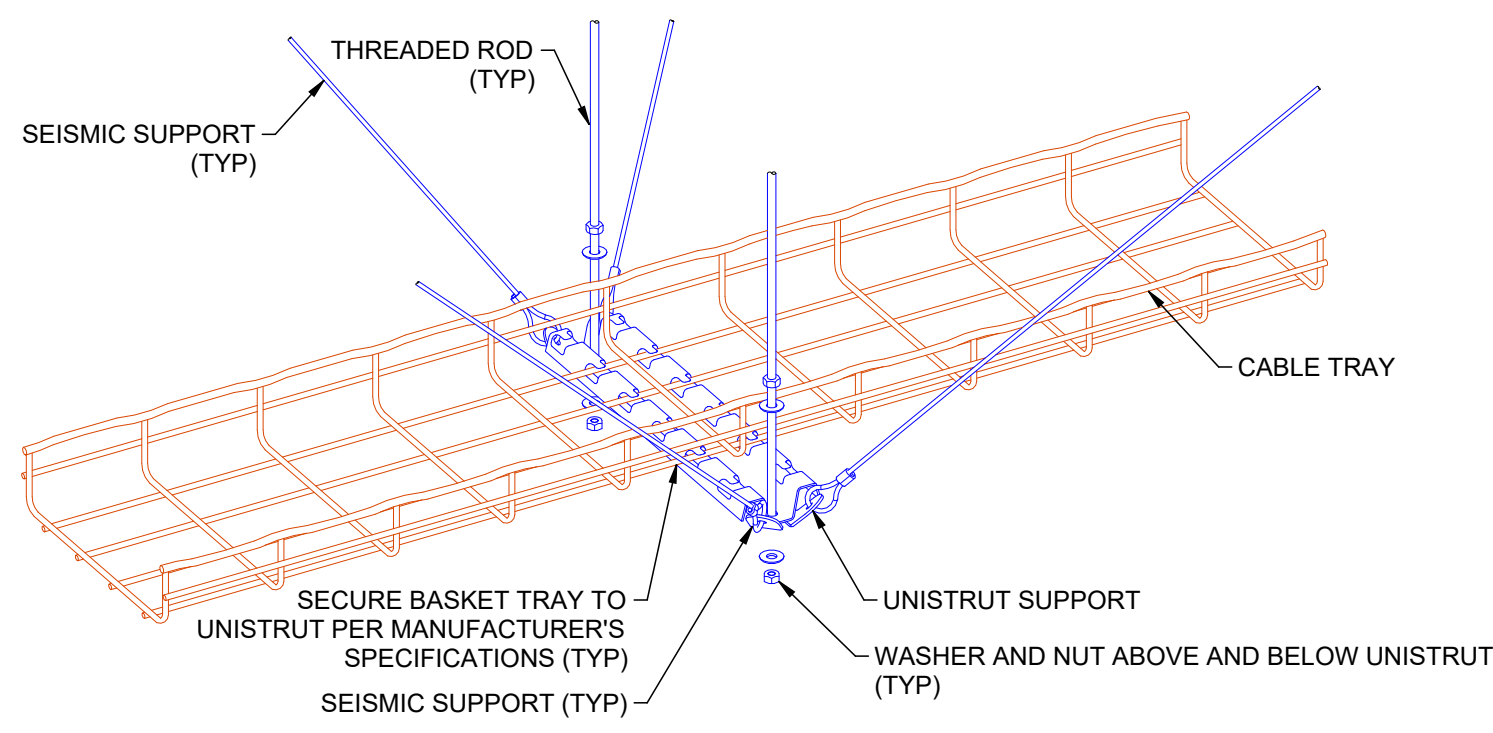
3 RISER PATCH PANEL DETAIL (RPP2)
SCALE: 1/8" = 1'-0"



2 NURSE CALL PATCH PANEL (NCPP1) DETAIL (TYP)
SCALE: 1/8" = 1'-0"



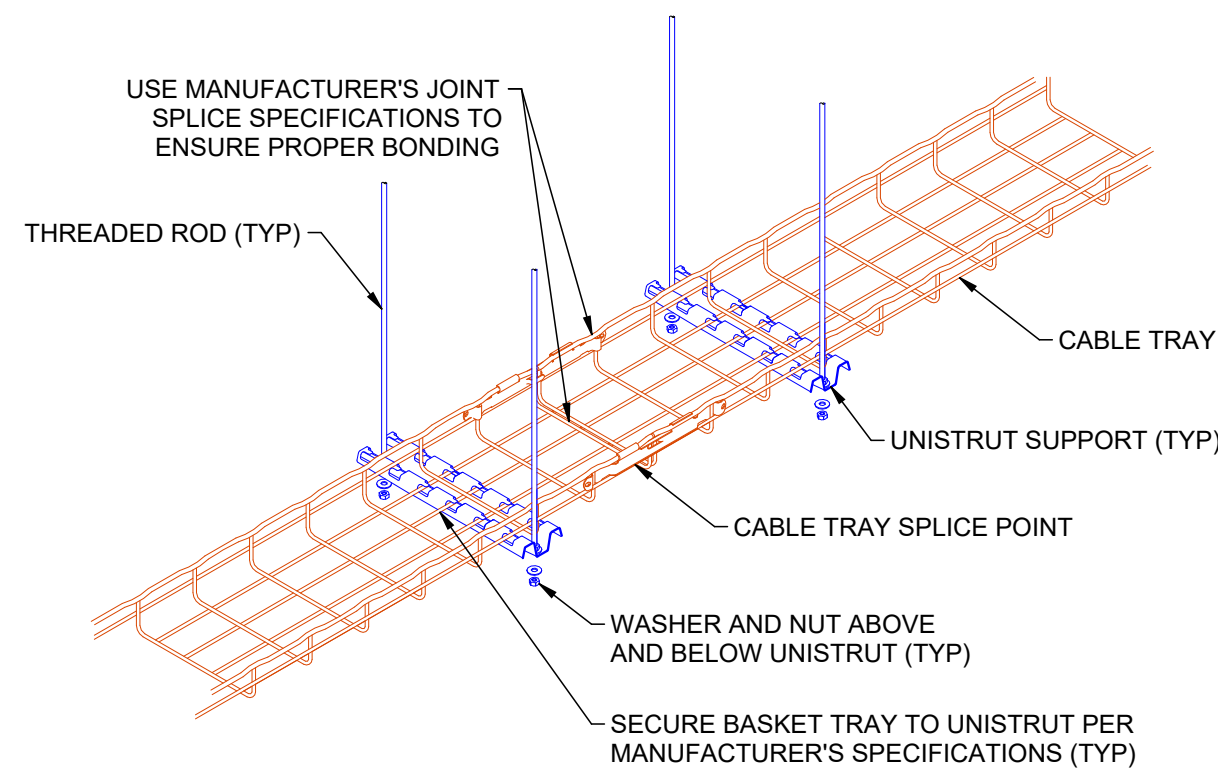
1 FIBER PATCH PANEL DETAIL (FPP2)
SCALE: 1/8" = 1'-0"



ISOMETRIC VIEW

NOTE:
1. SEISMIC ENGINEERING TO BE DONE BY OTHERS.

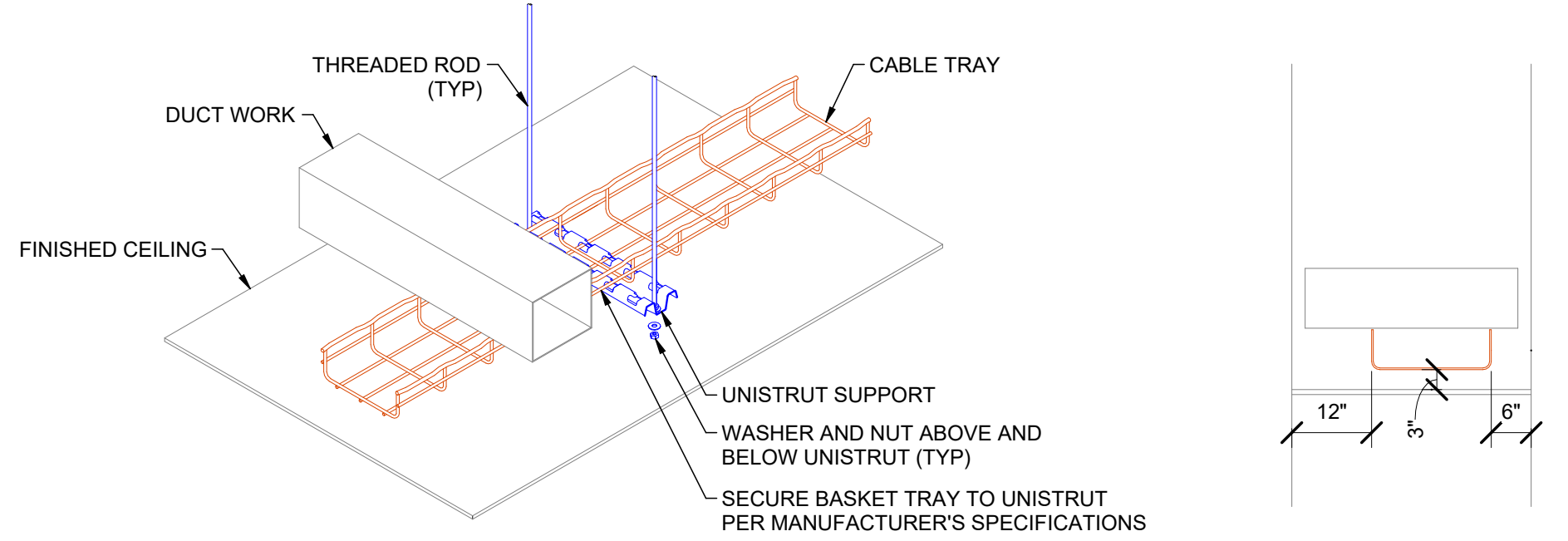
D3 TYPICAL CABLE TRAY W/ SEISMIC SUPPORTS DETAIL
SCALE: NTS



ISOMETRIC VIEW

NOTE:
1. INSTALL UNISTRUT SUPPORT 1' - 0" FROM EITHER SIDE OF CABLE TRAY SPLICE POINT.

D5 TYPICAL CABLE TRAY W/ SUPPORT AT SPLICE POINT DETAIL
SCALE: NTS

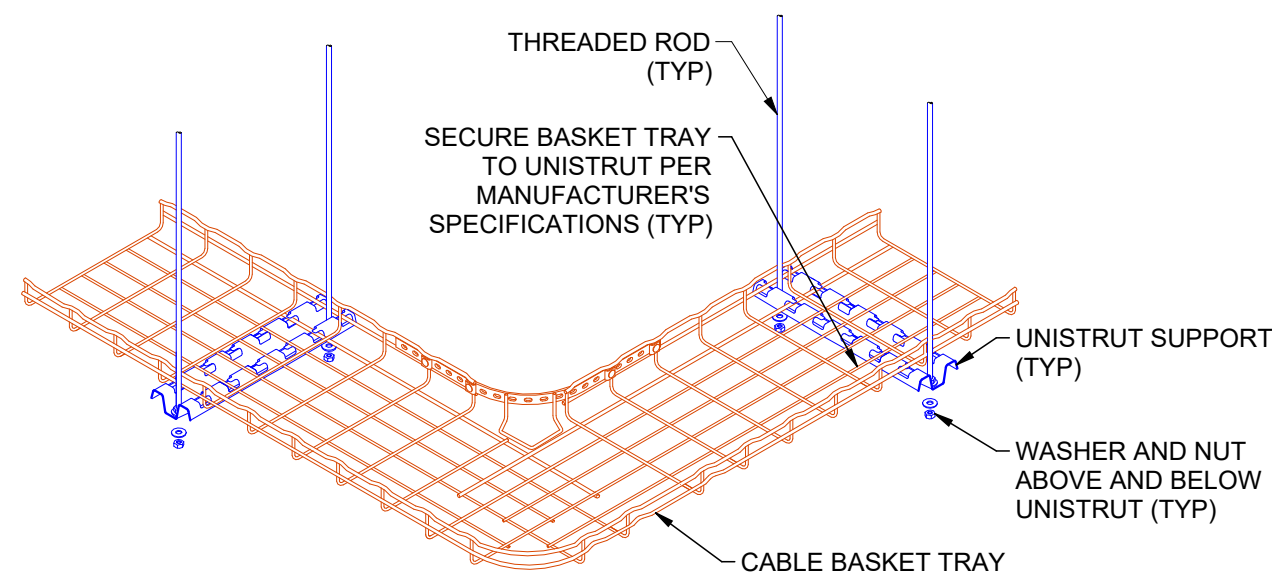


ISOMETRIC VIEW

SIDE VIEW

NOTE:
1. MAXIMUM WIDTH OF PERPENDICULAR CROSSING IS 6 FEET WIDE.

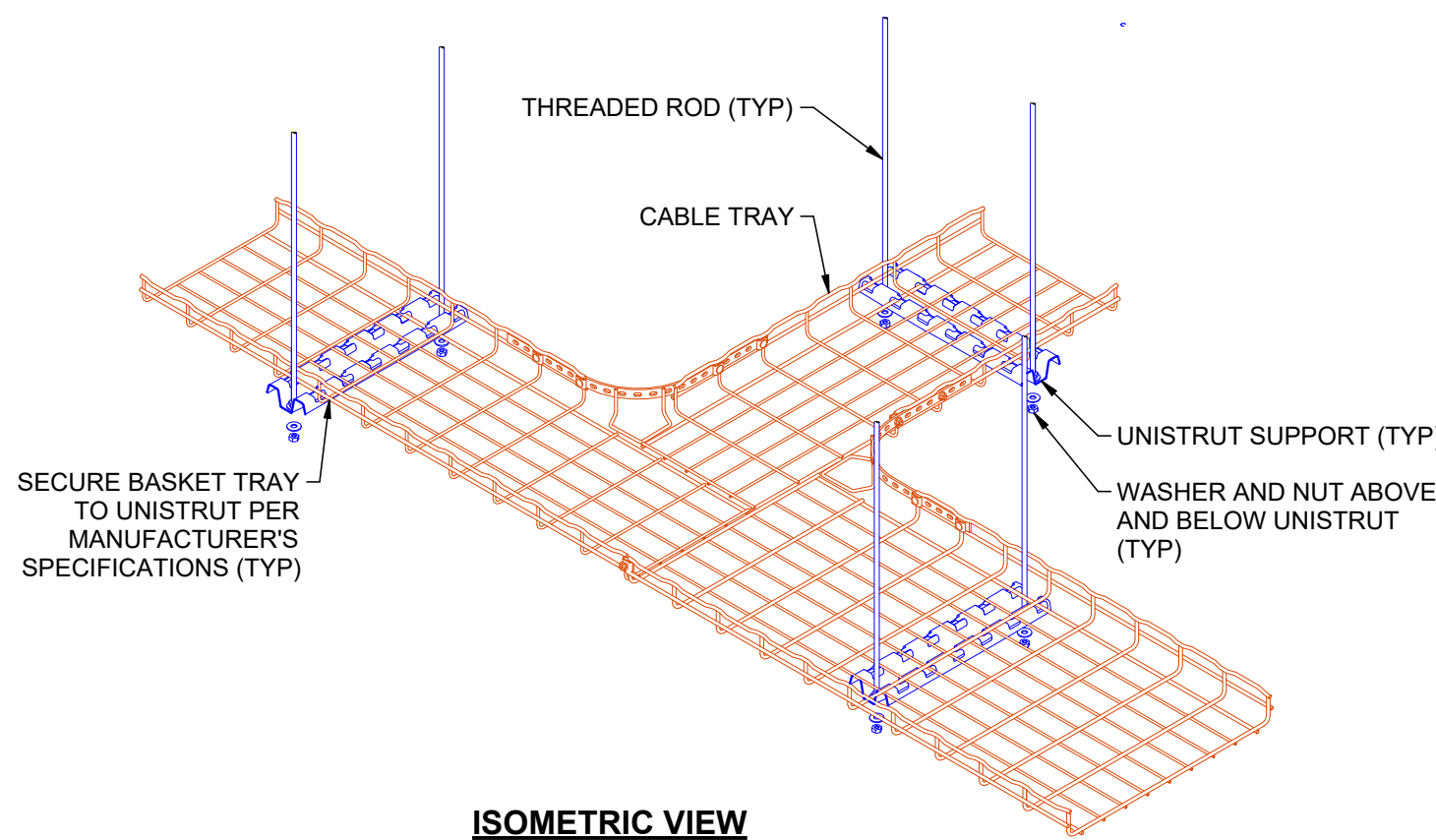
C3 TYPICAL CABLE TRAY W/ PERPENDICULAR CROSSING DETAIL
SCALE: NTS



ISOMETRIC VIEW

NOTE:
1. INSTALL UNISTRUT SUPPORT 1' - 0" FROM CABLE BASKET TRAY SPLICE POINT (TYP).

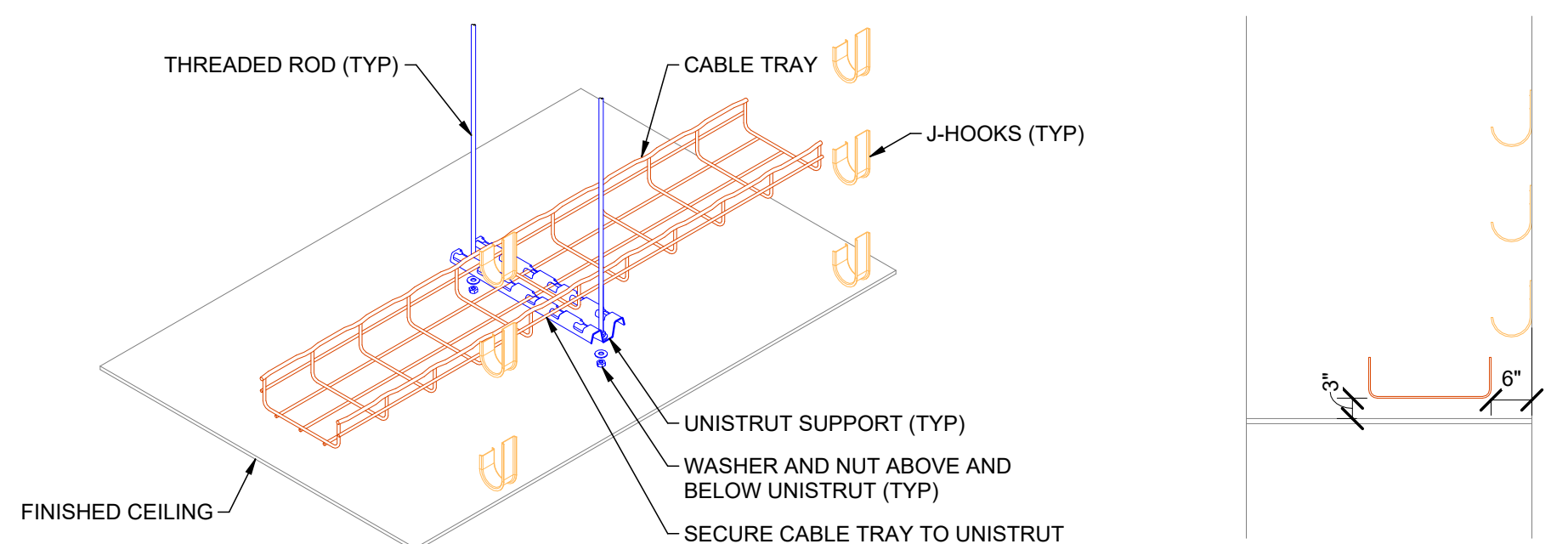
C5 TYPICAL CABLE TRAY 90 DEGREE BEND W/ SUPPORTS DETAIL
SCALE: NTS



ISOMETRIC VIEW

NOTE:
1. INSTALL UNISTRUT SUPPORT 1' - 0" FROM CABLE TRAY SPLICE POINT (TYP).

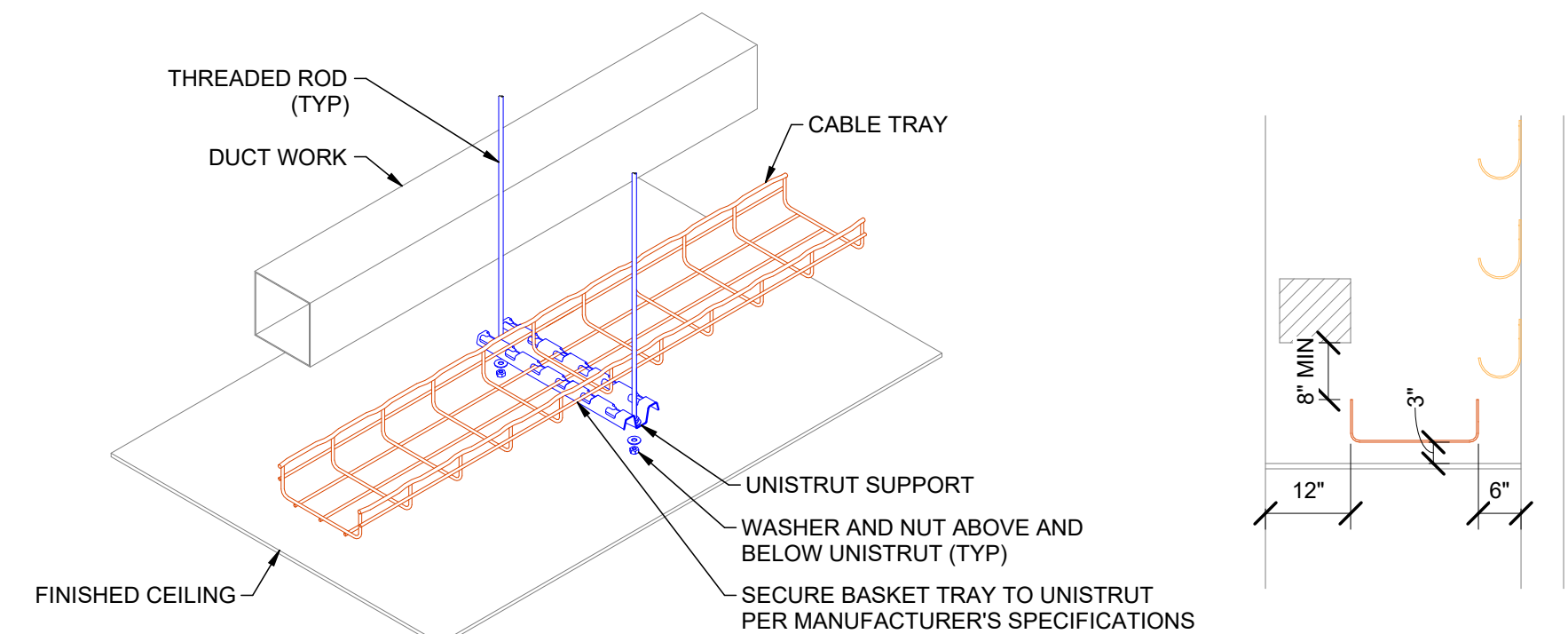
B3 TYPICAL CABLE TRAY INTERSECTION W/ SUPPORTS DETAIL
SCALE: NTS



ISOMETRIC VIEW

SIDE VIEW

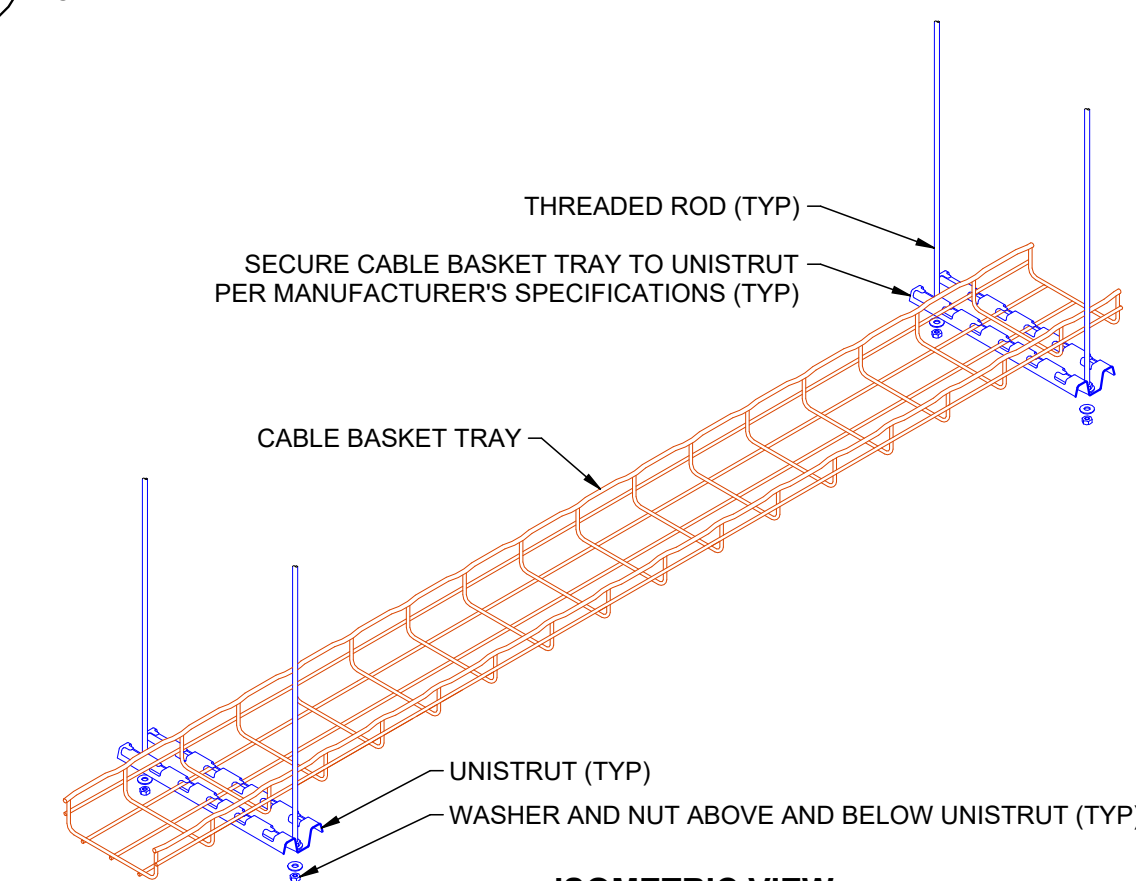
B5 TYPICAL CABLE TRAY W/ J-HOOK ABOVE DETAIL
SCALE: NTS



ISOMETRIC VIEW

SIDE VIEW

A3 TYPICAL CABLE TRAY W/ PARALLEL OBSTRUCTION DETAIL
SCALE: NTS



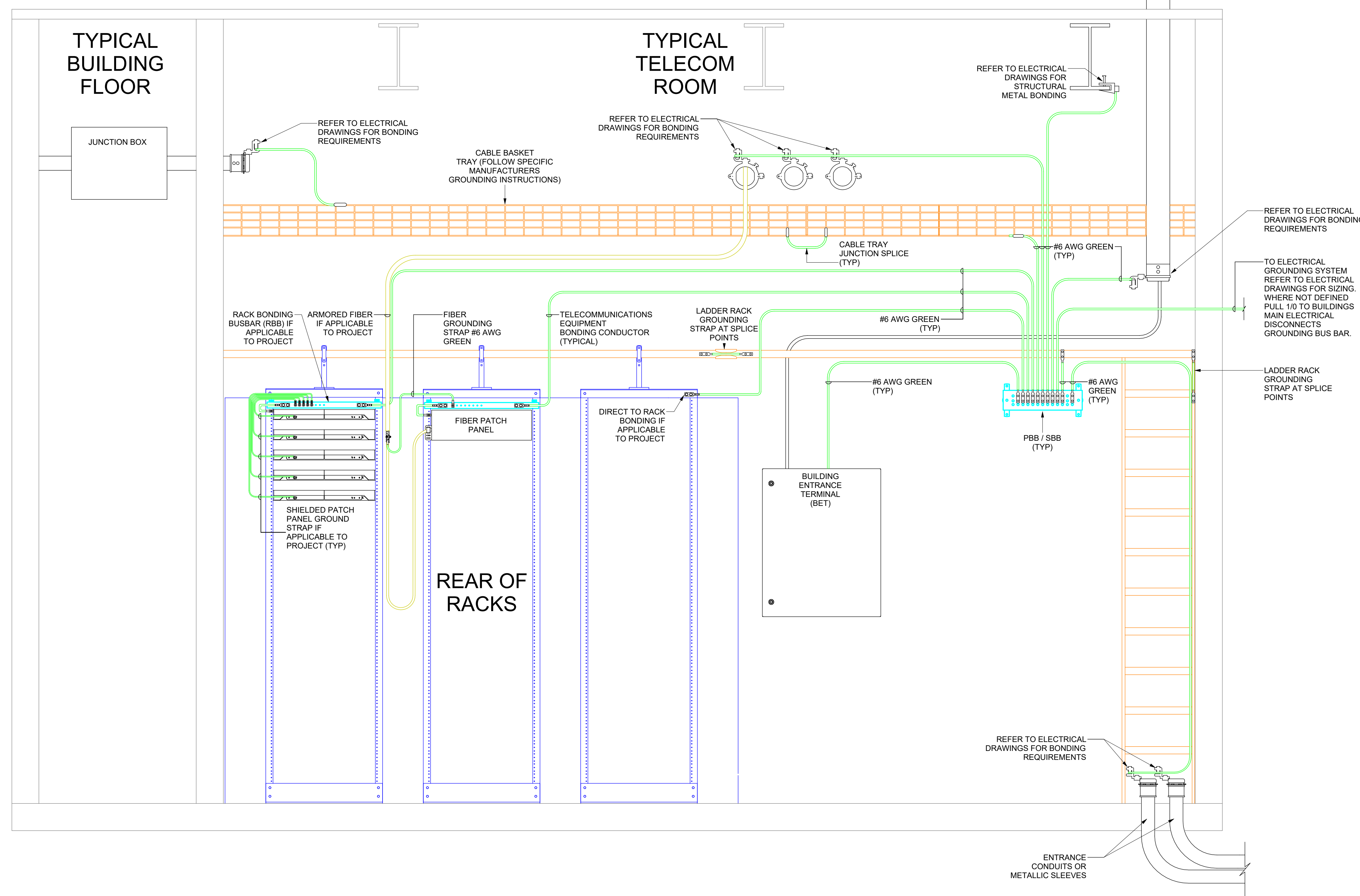
ISOMETRIC VIEW

NOTE:
1. INSTALL UNISTRUT SUPPORT 1' - 0" FROM EITHER END OF CABLE BASKET TRAY ON EACH 10' - 0" SECTION.

A5 TYPICAL 10'-0" CABLE TRAY SECTION W/ SUPPORT DETAIL
SCALE: NTS



-



A2 TELECOM EQUIPMENT GROUNDING DETAIL
SCALE: NTS

TITLE BLOCK (VERSION: 20210803)
MODEL: Autodesk Docs (27162.000) - 11.0V Sports Performance Center - 20250509M5 - ELECTRICAL MODEL.rvt
PRINT DATE: 05/25/2026 4:51:24 PM TEMPLATE (VERSION: 2316)

BRANCH CIRCUIT CONDUCTOR AND CONDUIT SIZING TABLE

CIRCUIT AMPACITY/VOLTAGE	CIRCUIT LENGTH	CONDUCTOR SIZE (PHASE, NEUTRAL AND GR)	CONDUIT SIZE
20A/120V	0' - 60'	#12 AWG	0.75" Ø
20A/120V	60' - 95'	#10 AWG	0.75" Ø
20A/120V	95' - 150'	#8 AWG	1" Ø
20A/120V	150' - 240'	#6 AWG	1.25" Ø
20A/277V	0' - 140'	#12 AWG	0.75" Ø
20A/277V	140' - 220'	#10 AWG	0.75" Ø
20A/277V	220' - 350'	#8 AWG	1" Ø
20A/277V	350' - 550'	#6 AWG	1.25" Ø

NOTES:

- WIRE SIZING IS BASED ON COPPER CONDUCTORS SUPPLYING A 20A, 120V CIRCUIT AT THE INDICATED VOLTAGE, ASSUMED TO BE 80% LOADED (16A), WITH MAXIMUM VOLTAGE DROP OF 3% AT THE LOAD.
- DOWN-SIZED WIRE AT DEVICE/LOAD AS REQUIRED AND TERMINATE CONDUCTORS IN A SAFE AND CODE COMPLIANT MANNER.
- CONDUIT SIZE IS BASED ON A MAXIMUM OF 3 CIRCUITS PER CONDUIT, EACH WITH A SEPARATE NEUTRAL CONDUCTOR.

EQUIPMENT NAMEPLATE SCHEDULE

EQUIPMENT ID SCHEME	FIRST DIGIT - BUILDING LEVEL (0, 1, 2, ETC) SECOND DIGIT - PANEL TYPE M - MECHANICAL H - (277/480) L - (120/208) E - EMERGENCY S - STANDBY Q - EQUIPMENT U - UPS K - KITCHEN (120/208)
	THIRD DIGIT - BUILDING AREA (A, B, C, ETC) FOURTH DIGIT - SEQUENCE # (1,2,3,...)
LABEL FORMAT	(NAME) [SYSTEM] [VOLTAGE] [FED FROM] [SOURCE(S)]
LABEL EXAMPLE	PANEL "4LK1" STANDBY POWER 120/208V FED FROM BUS-A / XFMR 4TA

UTILITY CONDUIT SCHEDULE

SCHEDULE NUMBER (E.G. U3600)			
NOTES:			
1. SCHEDULE IS FOR RACEWAY QTY AND SIZES ONLY. CABLING PROVIDED BY UTILITY. PROVIDE PULLSTRINGS FOR ALL EMPTY CONDUITS.			
SYM	SERVICE SIZE	VOLT	CONDUIT SIZE (*)
U2800	2800	208-480	(8) 8

FAULT CURRENT TABLE

PROVIDE FULLY RATED CIRCUIT BREAKERS IN PANELBOARDS FOR THE FAULT CURRENT SHOWN. SERIES RATINGS WITH NEXT LEVEL UPSTREAM OVERCURRENT PROTECTIVE DEVICES ARE PERMITTED SUBJECT TO FACTORY UL DOCUMENTATION OF SERIES RATING SUBMITTED TO ENGINEER. IF DEVICE OR EQUIPMENT FAULT CURRENT RATING IS NOT SHOWN, ASSUME 100,000 AIC.

BUS	FAULT CURRENT	BUS	FAULT CURRENT
1CL1A	1ELB	1QLA	
1CL1B	1HNA	1QLB	
1CL2A	1HNB	2CL1A	
1CL2B	1LN1A	2CL1B	
1EHA	1LN1B	2CL2A	
1EHB	1LN2A	2CL2B	
1ELA	1LN2B	2EHA	
		2EHB	
		2ELA	
		2ELB	
		2HNA	
		2HNB	
		2LN1A	
		2LN1B	
		2LN2A	
		2LN2B	
		2OLA	
		2OLB	
		H1A	
		H1B	
		H2A	
		H2B	
		H3C1	
		H3C2	
		H3E1	
		H3E2	
		L1A1	
		L1A2	
		L1B1	
		L1B2	
		L2A1	
		L2A2	
		L2B1	
		L2B2	
		LC1A	
		LC1B	
		LC2A	
		LC2B	
		LE1A	
		LE1B	
		LG1A	
		LG1B	
		LG2A	
		LG2B	
		ORXA	
		ORXB	
		ZL1	
		ZL1	
		ZL1	

GENERAL SHEET NOTES

- PROVIDE NEMA 3R ENCLOSURES FOR EQUIPMENT LOCATED OUTDOORS. REFER TO PLANS FOR EQUIPMENT LOCATIONS.
- REFER TO PLANS FOR CONSTRAINTS ON PHYSICAL DIMENSIONS AND CLEARANCE REQUIREMENTS OF EQUIPMENT. PROVIDE EQUIPMENT DIMENSIONS THAT FALL WITHIN THE CONSTRAINTS OF EACH SPECIFIC LOCATION.
- ALL EQUIPMENT SHALL BE CONSTRUCTED AND BRACED FOR THE SEISMIC CONDITIONS OF THE PROJECT. REFER TO ELECTRICAL SPECIFICATIONS FOR REQUIREMENTS.
- PROVIDE PERFORMANCE TESTING FOR GROUND-FAULT PROTECTION SYSTEMS ON SITE WITH A WRITTEN RECORD OF THIS TEST SUBMITTED TO THE AUTHORITY HAVING JURISDICTION PER NEC 230.95(C).

SHEET KEYNOTES

- PROVIDE 100% RATED BREAKER.
- PROVIDE FACTORY INSTALLED ARC REDUCTION BREAKER AND COMPONENTS MEETING 2017 NEC 240.87 REQUIREMENTS, INCLUDING BUT NOT LIMITED TO: ARC REDUCTION CAPABLE CIRCUIT BREAKER, ARC REDUCTION OPERATION HANDLE (ADJUSTMENT REQUIRING TOOLS OR BY POTENTIOMETER IS NOT ACCEPTABLE), AND ARC REDUCTION STATUS INDICATION LAMP.

COPPER CONDUCTOR AND CONDUIT SCHEDULE

SCHEDULE NUMBER (E.G. C3G)	
SUBSCRIPT (NOTE 5)	
CONDUCTOR AND CONDUIT SCHEDULE NOTES	
1. CONDUCTORS SHOWN ARE SHOWN FOR EACH CONDUIT WITH MODIFICATIONS AS NOTED IN NOTE 5. ALL CONDUCTORS SHOWN ARE THWN UNLESS OTHERWISE NOTED.	
2. PROVIDE EQUIPMENT GROUND CONDUCTORS PER TABLE 250-122 WHEN CIRCUIT BREAKERS ARE SIZED GREATER THAN AMPERE RATING SHOWN IN TABLE.	
3. PROVIDE #10 NEUTRALS FOR MULTIWIRE BRANCH CIRCUITS SERVING COMPUTERS.	
4. GROUND (G) CONDUCTOR MAY BE DELETED ON SERVICE ENTRANCE CONDUCTORS.	
5. RACEWAY ONLY. CONDUCTORS PROVIDED BY UTILITY.	
6. SYMBOL SUBSCRIPTS:	
"2N": INCLUDE TWO NEUTRAL CONDUCTORS SIZED AS SCHEDULED FOR PHASE AND NEUTRAL CONDUCTORS WHERE THE CONDUCTOR IS #10 OR LARGER. INCLUDE A SINGLE 200% RATED CONDUCTOR THAT IS TWICE THE AMPACITY OF THE SCHEDULED PHASE AND NEUTRAL CONDUCTOR WHERE THE CONDUCTOR IS BELOW #10 IN SIZE.	
"CI": PROVIDE CIRCUIT INTEGRITY CABLE; TYPE TWO-HOUR FIRE RESISTIVE CABLES IN CONDUIT OR PROVIDE FEEDER ENCASED IN CONCRETE.	
"FG": FULL SIZE GROUND, SIZE EQUIPMENT GROUNDING CONDUCTOR TO BE SAME SIZE AS THE PHASE CONDUCTORS.	
"HH": NEUTRAL CURRENTS EXIST DUE TO HIGH HARMONIC "NONLINEAR" LOADS. CURRENT CARRYING CONDUCTORS DERATED ACCORDINGLY. PROVIDE THE IG/HH SIZE FOR THE EQUIPMENT GROUNDING CONDUCTOR.	
"IG": INCLUDE IG (INSULATED/ISOLATED GROUND CONDUCTOR) SCHEDULED ALONG WITH THE GROUND OF EQUIPMENT GROUND CONDUCTOR.	
"MC": PROVIDE FEEDER IN METAL-CLAD CABLE; TYPE MC IN PLACE OF SINGLE CONDUCTORS IN CONDUIT.	
"SE": SUBSTITUTE "SE" CONDUCTOR FOR "G" CONDUCTOR SHOWN, WHICH IS SIZED FOR THE GROUNDING OF THE SECONDARY OF THE SEPARATELY DERIVED SYSTEM.	
"SER": PROVIDE SERVICE-ENTRANCE CABLE; TYPE SE OR SER IN PLACE OF SINGLE CONDUCTORS IN CONDUIT.	

SYM	AMP	HH AMPS	CONDUIT SIZE	CONDUCTOR (NOTE 1) QTY	CONDUCTOR (NOTE 1) SIZE	G	IG/HH	SE	NOTES
1C	20	-	0.75	2	12	12	12	8	2
2C	20	-	0.75	3	12	12	12	8	2
3C	20	24	0.75	4	12	12	12	8	2
4C	30	-	0.75	2	10	10	10	8	2
5C	30	-	0.75	3	10	10	10	8	2
6C	30	32	0.75	4	10	10	10	8	2
7C	40	-	1	2	8	10	8	6	2
8C	40	-	1	3	8	10	8	6	2
9C	40	44	1	4	8	10	8	6	2
10C	55	-	1	2	6	10	8	4	2
11C	55	-	1	3	6	10	8	4	2
12C	55	60	1.25	4	6	10	8	4	2
13C	70	-	1	2	4	8	4	2	2
14C	70	-	1.25	3	4	8	4	2	2
15C	70	76	1.25	4	4	8	4	2	2
16C	85	-	1.25	2	3	8	3	2	2
17C	85	-	1.25	3	3	8	3	2	2
18C	85	92	1.25	4	3	8	3	2	2
19C	95	-	1.25	3	2	8	2	2	2
20C	95	104	1.5	4	2	8	2	2	2
21C	130	-	1.5	3	1	6	2	2	2
22C	130	116	1.5	4	1	6	2	2	2
23C	150	-	2	3	1/0	6	2	1/0	2
28C	200	180	2.5	4	3/0	6	2	2/0	2
29C	230	210	2.5	3	4/0	4	2	2/0	2
30C	250	208	2.5	4	4/0	2	2	2/0	2
34C	310	280	3	4	350	3	1/0	3/0	2
35C	380	-	3.5	3	500	3	3/0	3/0	2
37C	400	-	2 EA 2	3	3/0	3	3/0	3/0	2
38C	400	360	2 EA 2.5	4	3/0	3	3/0	3/0	2
42C	620	560	2 EA 3	4	350	1/0	4/0	3/0	2
46C	855	768	3 EA 3	4	300	2/0	4/0	3/0	2
52C	1240	1120	4 EA 3	4	350	3/0	4/0	3/0	4
54C	2010	1824	6 EA 4	4	400	250	250	250	4
57C	4180	3784	11 EA 4	4	500	500	500	500	4

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Intermountain
Health

SEAL & SIGNATURE

KEY PLAN

REVISION
NO. DESCRIPTION DATE

HKS PROJECT NUMBER

27487.000

DATE

8/26/2026

ISSUE

DESIGN DEVELOPMENT

SHEET TITLE

**ONE-LINE DIAGRAM -
NORMAL**

SHEET NO.

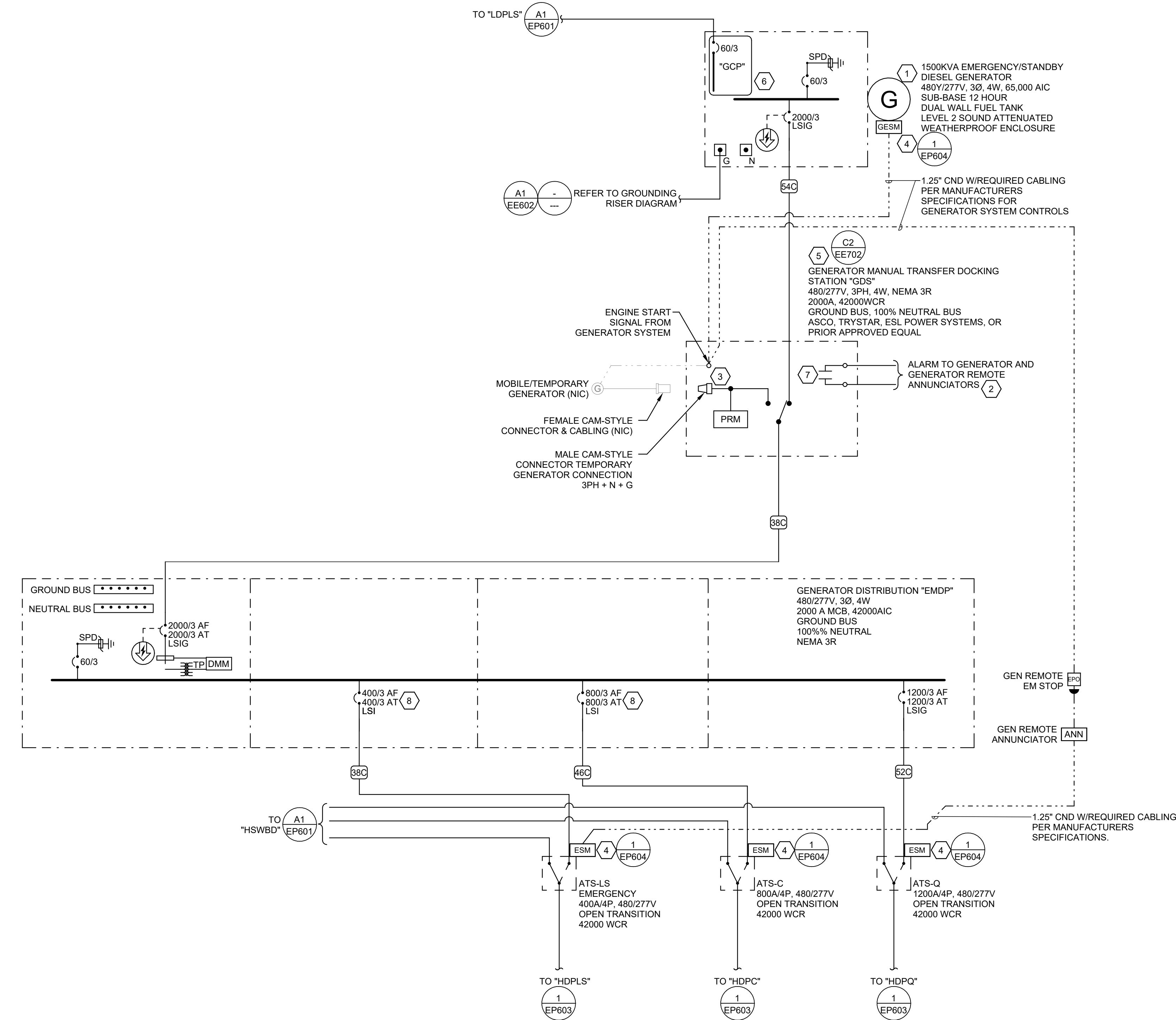
EP601

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A1

ONE-LINE DIAGRAM - NORMAL

SCALE: NTS



A3 ONE-LINE DIAGRAM - EMERGENCY - CU
SCALE: NTS

GENERAL SHEET NOTES

- 1 PROVIDE NEMA 3R ENCLOSURES FOR EQUIPMENT LOCATED OUTDOORS. REFER TO PLANS FOR EQUIPMENT LOCATIONS.
- 2 REFER TO PLANS FOR CONSTRAINTS ON PHYSICAL DIMENSIONS AND CLEARANCE REQUIREMENTS OF EQUIPMENT. PROVIDE EQUIPMENT DIMENSIONS THAT FALL WITHIN THE CONSTRAINTS OF EACH SPECIFIC LOCATION.
- 3 ALL EQUIPMENT SHALL BE CONSTRUCTED AND BRACED FOR THE SEISMIC CONDITIONS OF THE PROJECT. REFER TO ELECTRICAL SPECIFICATIONS FOR REQUIREMENTS.
- 4 PROVIDE PERFORMANCE TESTING FOR GROUND-FAULT PROTECTION SYSTEMS ON SITE WITH A WRITTEN RECORD OF THIS TEST SUBMITTED TO THE AUTHORITY HAVING JURISDICTION PER NEC 230.95(C).

SHEET KEYNOTES

- 1 MAXIMUM COMBINED OVERALL DIMENSION OF GENERATOR SOUND ATTENUATED ENCLOSURE PLUS SUB-BASE FUEL TANK SHALL NOT EXCEED ###'###" LONG X ##'###" WIDE X ##'###" TALL.
- 2 VISUAL AND AUDIBLE ALARM TO INDICATE PERMANENT GENERATOR CIRCUIT BREAKER IS IN THE OPEN POSITION AND THE PERMANENT EMERGENCY SOURCE HAS BEEN DISCONNECTED FROM THE EMERGENCY SYSTEM.
- 3 TEMPORARY GENERATOR START SIGNAL WIRING TERMINAL BLOCK, TO BE LOCATED IN DEADFRONT CONTROL SECTION OF GEAR.
- 4 GENERATOR ENGINE START SIGNAL MONITORING SYSTEM MODULE INSTALLED WITHIN GENERATOR AND ATS(S) TO MONITOR INTEGRITY OF GENERATOR START SIGNAL WIRING.
- 5 PROVIDE PERMANENT LABEL INDICATING PHASE ROTATION AND SYSTEM BONDING REQUIREMENTS PER NEC 700.3(F)(3).
- 6 PROVIDE A FACTORY MOUNTED GENERATOR POWER PANEL WITH ALL POWERED GENERATOR COMPONENTS FACTORY WIRED. THIS INCLUDES, BUT IS NOT LIMITED TO, BLOCK HEATERS, BATTERY CHARGERS, CONVENIENCE OUTLETS, CONTROL POWER, LIGHTING, ETC.
- 7 PERMANENT EMERGENCY GENERATOR CIRCUIT BREAKER POSITION INDICATION, N.O. RELAY TO CLOSE INDICATING BREAKER IS IN OPEN POSITION FOR ALARM PURPOSES.
- 8 PROVIDE A FULLY COORDINATED CIRCUIT BREAKER SOLUTION FOR THE LIFE SAFETY (EMERGENCY) AND OPTIONAL STANDBY (STANDBY) DISTRIBUTION SYSTEMS TO 0.01 SECONDS; ADJUST BREAKER SIZES, BREAKER TYPES, EQUIPMENT SIZES, FEEDER SIZES, AND OTHER EQUIPMENT AS NECESSARY AT NO ADDITIONAL COST TO THE OWNER. WHERE A FULLY COORDINATED BREAKER SOLUTION MEETING THESE REQUIREMENTS IS NOT POSSIBLE BY ANY OF THE APPROVED MANUFACTURERS, THE CONTRACTOR MAY UTILIZE FUSES IN LIEU OF CIRCUIT BREAKERS ONLY WHERE ABSOLUTELY REQUIRED. THESE CHANGES SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.

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SEAL & SIGNATURE

**UTAH VALLEY SPORTS
PERFORMANCE CENTER**

PROJECT ADDRESS: WEST 880 NORTH, 200 WEST PROVID, UTAH 84604

KEY PLAN

REVISION NO.	DESCRIPTION	DATE
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HKS PROJECT NUMBER

27487.000

DATE

8/26/2026

ISSUE

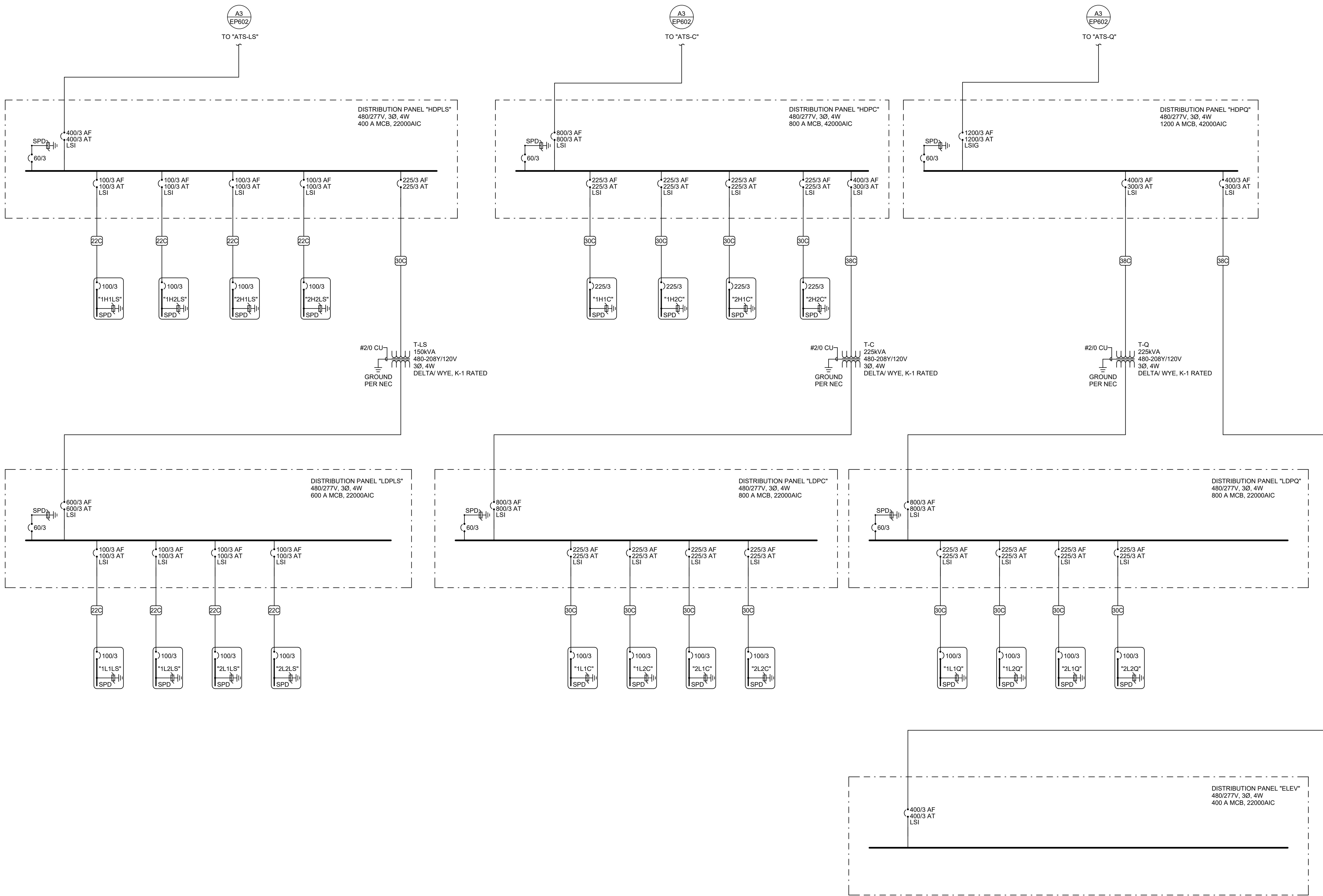
DESIGN DEVELOPMENT

SHEET TITLE

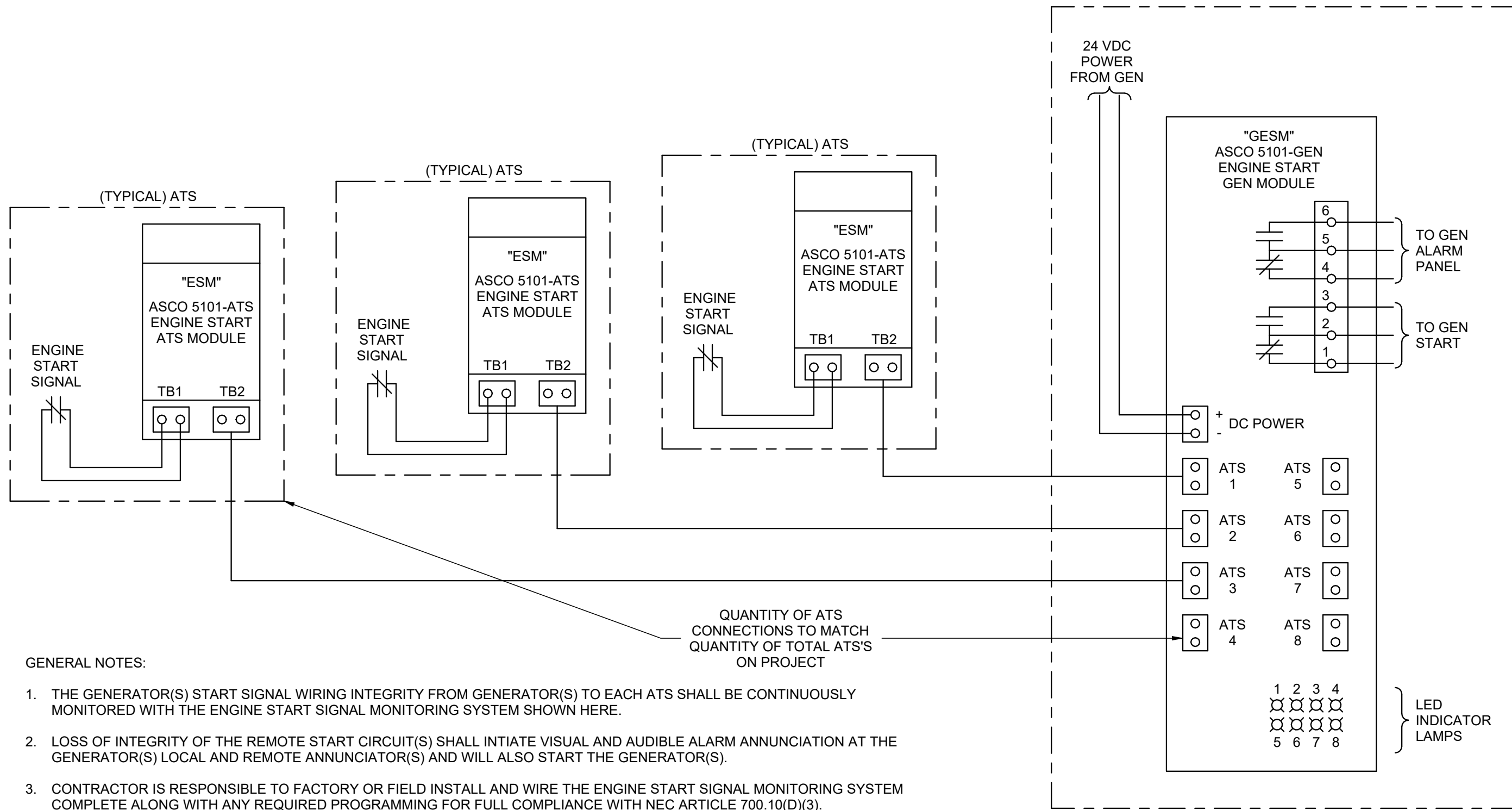
**ONE-LINE DIAGRAM -
EMERGENCY**

SHEET NO.

EP602



1 ONE-LINE DIAGRAM - EMERGENCY - CU EMER PANELS
SCALE: 1/8" = 1'-0"



1 GENERATOR ENGINE START SIGNAL MONITORING SYSTEM WIRING DIAGRAM

SCALE: NTS

HKS

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KEY PLAN

REVISION	NO.	DESCRIPTION	DATE

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27487.000
DATE
8/26/2026
ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
RISERS AND DIAGRAMS

SHEET NO.

EP604

CONDUIT (SIZE AS SCHEDULED) RIGIDLY SUPPORTED TO PREVENT MOVEMENT

OUTLET BOX W/ TWISTLOCK RECEPTACLE (AS SPECIFIED)

TWISTLOCK PLUG (AS SPECIFIED)

KELLUMS GRIPS (SIZE AS SHOWN)

TYPE SO CORD (AS SPECIFIED)

DEVICES AS SPECIFIED

SUPPORT TO STRUCTURE

CEILING

AS SPECIFIED

PLUG AND CONNECTOR EQUIPMENT LEAD WIRES

AS SPECIFIED

CONDUIT (SIZE AS SCHEDULED) RIGIDLY SUPPORTED TO PREVENT MOVEMENT

OUTLET BOX W/ TWISTLOCK RECEPTACLE (AS SPECIFIED)

TWISTLOCK PLUG (AS SPECIFIED)

SEISMIC SAFETY CHAIN OR CORD

AS SPECIFIED

BOTTOM OF JOIST OR BELOW CEILING

CONDUIT (SIZE AS SCHEDULED) RIGIDLY SUPPORTED TO PREVENT MOVEMENT

TWISTLOCK PLUG (AS SPECIFIED)

RIGIDLY SUPPORTED TO PREVENT MOVEMENT, COORDINATE WITH ARCHITECTURAL/ STRUCTURAL DRAWINGS

CORD REEL

TYPE SO CORD (AS SPECIFIED) INSTALL STOP BALL TO MEET AFF REQ.

TWISTLOCK PLUG AND CONNECTOR (AS SPECIFIED)

TYPE SO CORD (AS SPECIFIED)

DEVICES AS SPECIFIED

NOTES:

1. CONTRACTOR SHALL COORDINATE WITH OWNER, ARCHITECT, AND ENGINEER FOR ALL CORD DROPS AND CORD REELS.

DEFINITIONS:

SCBA: STANDARD COLOR AS SELECTED BY ARCHITECT

SFBA: STANDARD FINISH AS SELECTED BY ARCHITECT

LABEL	DESCRIPTION	ELECTRICAL	CABLE TYPE	SERVICE SIDE CONFIGURATION	USER SIDE CONFIGURATION	DIMENSIONS	MANUFACTURER
-------	-------------	------------	------------	----------------------------	-------------------------	------------	--------------

EQUIPMENT SCHEDULE KEY

E - DIVISION 26

O - FURNISHED WITH EQUIPMENT

* - COORDINATE WITH THE DIVISION 23 TEMPERATURE CONTROL INSTALLER

** - AUTOMATIC CONTROL WIRING BY DIVISION 23

NOTES:

1. NEMA 3R

2. TOGGLE SWITCH W/ THERMAL OVERLOAD

3. PROVIDE FUSED DISCONNECT ELEVATOR POWER MODULE WITH SHUNT TRIP

4. CONTRACTOR TO PERFORM FINAL CONNECTION TO LINE VOLTAGE THERMOSTATS

5. TOGGLE SWITCH W/BACNET INTERFACE

6. INDOOR UNITS FED FROM OUTDOOR UNIT. PROVIDE DISCONNECTS FOR BOTH.

7. PROVIDE SWITCH WITH BACNET MS/TP CAPABILITY.

8. PROVIDE LABEL ON DISCONNECT "DISCONNECT OUTDOOR UNIT PRIOR TO INDOOR."

9. LINE VOLTAGE THERMOSTAT ON WALL.

10. PROVIDE EXPLOSION PROOF DEVICES AND WIRING METHODS.

11. PROVIDE DUAL-REDUNDANT 100% RATED VFD'S FOR AIR HANDLER.

12. PROVIDE MANUAL STARTER WITH THERMAL OVERLOAD AND RELAY FOR ATC/BAS CONTROL.

ITEM NO.	QTY	DESCRIPTION	MOUNTING HEIGHT (AFF)	LOAD DATA				LOAD DATA	WIRE AND CONDUIT SIZE	CONNECTION TYPE			ELECTRICAL REMARKS
				VOLT	PHASE	AMPS	KW	HP		FURN BY	DEVICE	LABEL	
	4		+18"	120	1	10	1.2	-	2#12, 10GR 0.75" CND	E	J-BOX	-	

USE

CFG CONCRETE FLOOR, ON GRADE

CONNECTIONS

C1 RECESSED CABLE CONNECTIONS BELOW FLOOR WITH HINGED LID FOR ACCESS THAT CAN BE CLOSED WHILE IN USE.

COVER

CV1 FLANGED WITH CARPET INSERT FOR CARPET AREAS, FLANGELESS FLUSH GRAY BRUSHED ALUMINUM LID

FINISH

AL ALUMINUM

NOTES

1. PROVIDE ALL REQUIRED HARDWARE FOR COMPLETE INSTALLATION.

2. INCLUDE SEPARATION BARRIER BETWEEN SYSTEMS AND POWER.

FLOORBOX COVER SHAPE

FLOORBOX GANGS

DATA CABLES

AV GANGS

FB# D# A#

ID	DESCRIPTION	SIZE (NOMINAL)	DEVICE / GANGS					USE	CONNECTION	COVER	FINISH	MANUFACTURER (CATALOG SERIES)	NOTES
			DUPLEX	FURNITURE	DATA CABLES	DATA GANGS	AV GANGS						
FB2.D0.A0	2 GANG, POWER FLOORBOX	LENGTH:13" WIDTH: 7" DEPTH: 4"	2					CFG	C1	CV1	AL	WIREMOLD (RFB2R300G) HUBBELL (CFB2G30CRE) FSR (FL-200)	
FB2.D2.A0	2 GANG, POWER & DATA FLOORBOX	LENGTH:13" WIDTH: 7" DEPTH: 4"	1		2	1	0	CFG	C1	CV1	AL	WIREMOLD (RFB2R300G) HUBBELL (CFB2G30CRE) FSR (FL-200)	

RATINGS

2H 2-HOUR FIRE RATED, UL LISTED

CONNECTIONS

COVER

USE

FINISH

AL ALUMINUM

NOTES

1. PROVIDE ALL REQUIRED HARDWARE FOR COMPLETE INSTALLATION.

2. INCLUDE SEPARATION BARRIER BETWEEN SYSTEMS AND POWER.

POKE-THRU GANGS

DATA CABLES

AV GANGS

PT# D# A#

ID	DESCRIPTION	SIZE (NOMINAL)	CORE DRILL	DUPLEX	FURNITURE	DEVICE / GANGS			RATINGS	USE	CONNECTION	COVER	FINISH	MANUFACTURER (CATALOG SERIES)	NOTES
						DATA CABLES	DATA GANGS	AV GANGS							

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Intermountain Health
UTAH VALLEY SPORTS PERFORMANCE CENTER
PROJECT ADDRESS: WEST 180 NORTH, 200 WEST PROVO, UTAH 84604

SEAL & SIGNATURE

KEY PLAN

REVISION
NO. DESCRIPTION DATE

HKS PROJECT NUMBER
27487.000
DATE
8/26/2026
ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
ELECTRICAL DEVICE SCHEDULE

SHEET NO.

EP610

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PANEL: "H1A"

VOLTS/PHASE/WIRE:
480/277 V, 3 PH 4 WIRE

PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON

MAIN SIZE AND TYPE:
225 AMPERE MAIN LUGS

FED FROM:

CABINET:
SURFACE

LOCATION:
MAIN ELEEC 200

NEMA:

NOTES:

AIC RATING: 0

CKT NO	OCP			LOAD (kVA)		DESCRIPTION	PHASE LOAD			DESCRIPTION	LOAD (kVA)			OCP			CKT NO	
	AMP	POLE	BKR	LGT	PWR		A	B	C		CO	PWR	LGT	BKR	POLE	AMP		
1	20	1		0.0	0.0	0.0	SPARE	0.0	0.0				0.0	0.0	0.0	1	20	2
3	20	1		0.0	0.0	0.0	SPARE			0.0	0.0				0.0	1	20	4
5	20	1		0.0	0.0	0.0	SPARE					0.0	0.0		0.0	1	20	6
7	20	1		0.0	0.0	0.0	SPARE		0.0	0.0					0.0	1	20	8
9	20	1		0.0	0.0	0.0	SPARE			0.0	0.0				0.0	1	20	10
11	20	1		0.0	0.0	0.0	SPARE				0.0	0.0			0.0	1	20	12
13	20	1		0.0	0.0	0.0	SPARE		0.0	0.0					0.0	1	20	14
15	20	1		0.0	0.0	0.0	SPARE			0.0	0.0				0.0	1	20	16
17	20	1		0.0	0.0	0.0	SPARE				0.0	0.0			0.0	1	20	18
19	20	1		0.0	0.0	0.0	SPARE	0.0	0.0						0.0	1	20	20
21	20	1		0.0	0.0	0.0	SPARE			0.0	0.0				0.0	1	20	22
23	20	1		0.0	0.0	0.0	SPARE				0.0	0.0			0.0	1	20	24
25	20	1		0.0	0.0	0.0	SPARE	0.0	0.0						0.0	1	20	26
27	20	1		0.0	0.0	0.0	SPARE			0.0	0.0				0.0	1	20	28
29	20	1		0.0	0.0	0.0	SPARE				0.0	0.0			0.0	1	20	30
31	20	1		0.0	0.0	0.0	SPARE	0.0	0.0						0.0	1	20	32
33	20	1		0.0	0.0	0.0	SPARE			0.0	0.0				0.0	1	20	34
35	20	1		0.0	0.0	0.0	SPARE				0.0	0.0			0.0	1	20	36
37	20	1		0.0	0.0	0.0	SPARE		0.0	0.0					0.0	1	20	38
39	20	1		0.0	0.0	0.0	SPARE			0.0	0.0				0.0	1	20	40
41	20	1		0.0	0.0	0.0	SPARE				0.0	0.0			0.0	1	20	42

TOTALS:

CONNECTED KVA PER PHASE000

CONNECTED TOTAL KVA = 0

CONNECTED AMPS PER PHASE000

AVERAGE CONNECTED AMPS PER PHASE = 0

NEC DIVERSIFIED LOAD CALCULATIONS

LIGHTING & CONTINUOUS LOADS:

- 100% CONNECTED LOAD PLUS 25%

DIVERSIFIED TOTAL KVA = 0

RECEPTACLES:

- FIRST 10kVA @ 100%, REMAINDER @ 50%

AVERAGE AMPS PER PHASE = 0

ALL OTHER LOADS @ 100% :0.0 KVA

- MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH
- LARGEST MOTOR CALCULATED @ 125% PER NEC

BKR: GF=GFICI, GF3=30mA GFCI CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED CIRCUIT, AF=AFCI, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCI, EX=EXISTING LOADS

NOTES:

PANEL: "H2A"

VOLTS/PHASE/WIRE:
120/208V, 3 PH 4 WIRE

PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON

MAIN SIZE AND TYPE:
225 AMPERE MAIN LUGS

FED FROM:

CABINET:
SURFACE

LOCATION:
MAIN ELEC 200

NEMA:

NOTES:

AIC RATING: 0

CKT NO	OCB			LOAD (KVA)			DESCRIPTION	PHASE LOAD			DESCRIPTION	LOAD (KVA)			OCB			CKT NO
	AMP	POLE	BKR	LGT	PWR	CO		A	B	C		CO	PWR	LGT	BKR	POLE	AMP	
1																	2	
3																	4	
5																	6	
7																	8	
9																	10	
11																	12	
13																	14	
15																	16	
17																	18	
19																	20	
21																	22	
23																	24	
25																	26	
27																	28	
29																	30	
31																	32	
33																	34	
35																	36	
37																	38	
39																	40	
41																	42	

TOTALS:

CONNECTED KVA PER PHASE000

CONNECTED TOTAL KVA = 0

CONNECTED AMPS PER PHASE000

AVERAGE CONNECTED AMPS PER PHASE = 0

NEC DIVERSIFIED LOAD CALCULATIONS

LIGHTING & CONTINUOUS LOADS:

RECEPTACLES:

ALL OTHER LOADS @ 100% :0.0 KVA

- 100% CONNECTED LOAD PLUS 25%

- FIRST 10kVA @ 100%, REMAINDER @ 50%

- MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH

- LARGEST MOTOR CALCULATED @ 125% PER NEC

DIVERSIFIED TOTAL KVA = 0

AVERAGE AMPS PER PHASE = 0

BKR: GF=GFCI, GF3=30mA GFCI CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCI, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, BAL=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCI, EX=EXISTING

NOTES:

PANEL: "H1B"

VOLTS/PHASE/WIRE:

480/277 V, 3 PH 4 WIRE

PANEL SIZE & TYPE:

22" W x 6" D, BOLT-ON

MAIN SIZE AND TYPE:

225 AMPERE MAIN LUGS

FED FROM:

CABINET:

SURFACE

LOCATION:

MAIN ELEC 200

NEMA:

NOTES:

AIC RATING: 0

CKT NO	OCB		LOAD (kVA)			DESCRIPTION	PHASE LOAD			DESCRIPTION	LOAD (kVA)			OCB		CKT NO
	AMP	POLE	BKR	LTG	PWR		CO	A	B		C	CO	PWR	LTG	BKR	
1																2
3																4
5																6
7																8
9																10
11																12
13																14
15																16
17																18
19																20
21																22
23																24
25																26
27																28
29																30
31																32
33																34
35																36
37																38
39																40
41																42

TOTALS:

CONNECTED kVA PER PHASE

0

0

0

CONNECTED TOTAL kVA =

0

CONNECTED AMPS PER PHASE

0

0

0

AVERAGE CONNECTED AMPS PER PHASE =

0

NEC DIVERSIFIED LOAD CALCULATIONS

LIGHTING & CONTINUOUS LOADS:

- 100% CONNECTED LOAD PLUS 25%

DIVERSIFIED TOTAL kVA = 0

RECEPTACLES:

- FIRST 10kVA @ 100%, REMAINDER @ 50%

AVERAGE AMPS PER PHASE = 0

ALL OTHER LOADS @ 100% :

0.0 kVA

- MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH

- LARGEST MOTOR CALCULATED @ 125% PER NEC

BRK:

GF=GFCl, GF3=30mA GFCl CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCl, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCl, EX=EXISTING LOADS

NOTES:

PANEL: "H2B"

VOLTS/PHASE/WIRE:
120/208V, 3 PH 4 WIRE

PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON

MAIN SIZE AND TYPE:
225 AMPERE MAIN LUGS

FED FROM:

CABINET:
SURFACE

LOCATION:
MAIN ELEC 200

NEMA:

NOTES:

AIC RATING: 0

CKT NO	OCBP			LOAD (KVA)			DESCRIPTION	PHASE LOAD			DESCRIPTION	LOAD (KVA)			OCBP			CKT NO
	AMP	POLE	BKR	LGT	PWR	CO		A	B	C		CO	PWR	LGT	BKR	POLE	AMP	
1																		2
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39																		40
41																		42

TOTALS:

CONNECTED KVA PER PHASE000

CONNECTED TOTAL KVA =0

CONNECTED AMPS PER PHASE000

AVERAGE CONNECTED AMPS PER PHASE =0

NEC DIVERSIFIED LOAD CALCULATIONS

LIGHTING & CONTINUOUS LOADS:

RECEPTACLES:

ALL OTHER LOADS @ 100% :0.0 KVA

- 100% CONNECTED LOAD PLUS 25%

- FIRST 10kVA @ 100%, REMAINDER @ 50%

- MOTOR TONS INCLUDED IN ALL OTHER LOADS WITH

- LARGEST MOTOR CALCULATED @ 125% PER NEC

DIVERSIFIED TOTAL KVA = 0

AVERAGE AMPS PER PHASE = 0

BRK: GF=GFCI, GF3=30mA GFCI CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCI, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCI, EX=EXISTING LOADS:

ARCHITECT
HKS ARCHITECTS, INC.
90 SOUTH 400 WEST, #110
SALT LAKE CITY, UTAH 84101

CIVIL ENGINEER
GREAT BASIN ENGINEERING, INC
5746 SOUTH 1475 EAST
OGDEN, UTAH 84403

LANDSCAPE ARCHITECT
MGB+A STUDIO
145 WEST 200 SOUTH
SALT LAKE CITY, UTAH 84101

STRUCTURAL ENGINEER
REAVELEY ENGINEERS
250 EAST 200 SOUTH, SUITE 1000
SALT LAKE CITY, UTAH 84111

M/P/FP ENGINEER
RESOLUT GROUP
181 EAST 5600 SOUTH, SUITE 200
MURRAY, UTAH 84107

E/T ENGINEER
LYNK ENGINEERSEERS, INC
324 SOUTH STATE STREET, SUITE 400
SALT LAKE CITY, UTAH 84111



**UTAH VALLEY SPORTS
PERFORMANCE CENTER**

SEAL & SIGNATURE

KEY PLAN

REVISION		
NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER

27487.000

DATE _____

8/26/2026

DESIGN DEVELOPMENT

SHEET TITLE

PANEL SCHEDULES

SHEET NO.

EP615

PANEL "L1A1"

VOLTS/PHASE/WIRE:120/208V, 3 PH 4 WIRE

PANEL SIZE & TYPE:22" W x 6" D, BOLT-ON

MAIN SIZE AND TYPE:225 AMPERE MAIN LUGS

FED FROM:

CABINET:SURFACE

LOCATION:MAIN ELEC 200

NEMA:

NOTES:

AIC RATING: 0

CKT NO	AMP		POLE	BKR	OCF	LOAD (kVA)			DESCRIPTION	PHASE LOAD			DESCRIPTION	LOAD (kVA)			OCF	BKR	POLE	AMP	CKT NO
	CO	PWR				LTG	PWR	CO		A	B	C		CO	PWR	LTG					
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TOTALS:

CONNECTED KVA PER PHASE000

CONNECTED TOTAL KVA = 0

CONNECTED AMPS PER PHASE000

AVERAGE CONNECTED AMPS PER PHASE = 0

NEC DIVERSIFIED LOAD CALCULATIONS

LIGHTING & CONTINUOUS LOADS:

- 100% CONNECTED LOAD PLUS 25%

DIVERSIFIED TOTAL KVA = 0

RECEPTACLES:

- FIRST 10KVA @ 100%, REMAINDER @ 50%

AVERAGE AMPS PER PHASE = 0

ALL OTHER LOADS @ 100%: 0.0 KVA

- MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH

- LARGEST MOTOR CALCULATED @ 125% PER NEC

BKR: GF=GFCI, GF3=30mA GFCI CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCI, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF MAIN LUGS AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCI, EX=EXISTING LOAD

NOTES:

PANEL: "L1B1"

VOLTS/PHASE/WIRE:
120/208V, 3 PH 4 WIRE

PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON

MAIN SIZE AND TYPE:
225 AMPERE MAIN LUGS

FED FROM:

CABINET:
SURFACE

LOCATION:
MAIN ELEC 200

NEMA:

NOTES:

AIC RATING: 0

CKT NO	OCP			LOAD (kVA)				PHASE LOAD				LOAD (kVA)			OCP			CKT NO
	AMP	POLE	BKR	LTG	PWR	CO		DESCRIPTION	A	B		C	DESCRIPTION	CO	PWR	LTG	BKR	
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41																		42

TOTALS:

CONNECTED KVA PER PHASE000CONNECTED TOTAL KVA = 0

CONNECTED AMPS PER PHASE000AVERAGE CONNECTED AMPS PER PHASE = 0

NEC DIVERSIFIED LOAD CALCULATIONS

LIGHTING & CONTINUOUS LOADS:

- 100% CONNECTED LOAD PLUS 25%

RECEPTACLES:

- FIRST 10KVA @ 100%, REMAINDER @ 50%

ALL OTHER LOADS @ 100%:0.0 kVA

- MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH
- LARGEST MOTOR CALCULATED @ 125% PER NEC

DIVERSIFIED TOTAL KVA = 0

AVERAGE AMPS PER PHASE = 0

BKR: GF=GFCI, GF3=30mA GFCI CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCI, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCI, EX=EXISTING LOADS:

NOTES:

PANEL: "L1A2"

VOLTS/PHASE/WIRE:
120/208V, 3 PH 4 WIRE

PANEL SIZE & TYPE:
22" W x 6" D, BOLT-ON

MAIN SIZE AND TYPE:
225 AMPERE MAIN LUGS

FED FROM:

CABINET:
SURFACE

LOCATION:
MAIN ELEC 200

NEMA:

NOTES:

AIC RATING: 0

CKT NO	OCP			LOAD (KVA)			PHASE LOAD			DESCRIPTION	LOAD (KVA)			OCP			CKT NO
	AMP	POLE	BKR	LTG	PWR	CO	A	B	C		CO	PWR	LTG	BKR	POLE	AMP	
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41																42	

TOTALS:

CONNECTED KVA PER PHASE000

CONNECTED TOTAL KVA =0

CONNECTED AMPS PER PHASE000

AVERAGE CONNECTED AMPS PER PHASE =0

NEC DIVERSIFIED LOAD CALCULATIONS

LIGHTING & CONTINUOUS LOADS:

- 100% CONNECTED LOAD PLUS 25%

DIVERSIFIED TOTAL KVA = 0

RECEPTACLES:

- FIRST 10KVA @ 100%, REMAINDER @ 50%

AVERAGE AMPS PER PHASE = 0

ALL OTHER LOADS @ 100% :0.0 KVA

- MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH

- LARGEST MOTOR CALCULATED @ 125% PER NEC

BKR= GF=GFCI, GF3=30mA GFCI CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCI, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF+ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCI, EX=EXTENDING LOAD

NOTES:

PANEL: "L1B2"

VOLTS/PHASE/WIRE:120/208V, 3 PH 4 WIRE

PANEL SIZE & TYPE:22" W x 6" D, BOLT-ON

MAIN SIZE AND TYPE:225 AMPERE MAIN LUGS

FED FROM:SURFACE

CABINET:SURFACE

LOCATION:MAIN ELEC 200

NEMA:

NOTES:

AIC RATING: 0

CKT NO	OCB			LOAD (KVA)				PHASE LOAD				DESCRIPTION			LOAD (KVA)			OCB			CKT NO
	AMP	POLE	BKR	LTG	PWR	CO		DESCRIPTION	A	B		C	DESCRIPTION	CO	PWR	LTG	BKR	POLE	AMP		
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TOTALS:

CONNECTED KVA PER PHASE000

CONNECTED TOTAL KVA =0

CONNECTED AMPS PER PHASE000

AVERAGE CONNECTED AMPS PER PHASE =0

NEC DIVERSIFIED LOAD CALCULATIONS

LIGHTING & CONTINUOUS LOADS:

- 100% CONNECTED LOAD PLUS 25%

DIVERSIFIED TOTAL KVA = 0

RECEPTACLES:

- FIRST 10KVA @ 100%, REMAINDER @ 50%

AVERAGE AMPS PER PHASE = 0

ALL OTHER LOADS @ 100% :0.0 KVA

- MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH

- LARGEST MOTOR CALCULATED @ 125% PER NEC

BKR: GF=GFCI, GF3=30mA GFCI CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCI, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCI, EX=EXTENDING LOAD

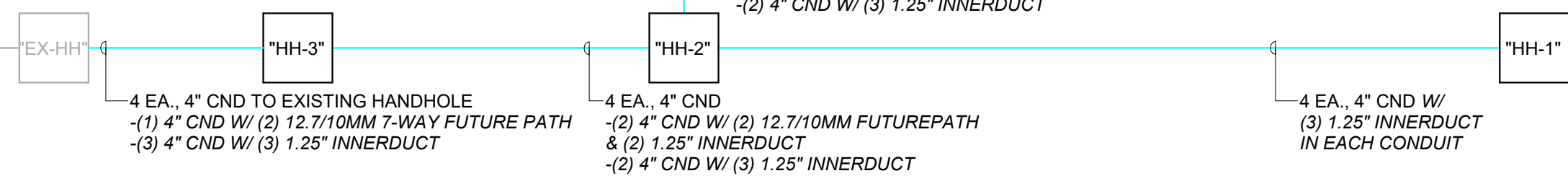
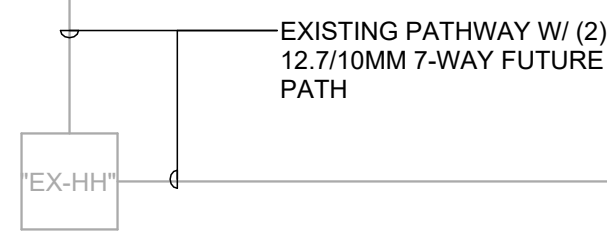
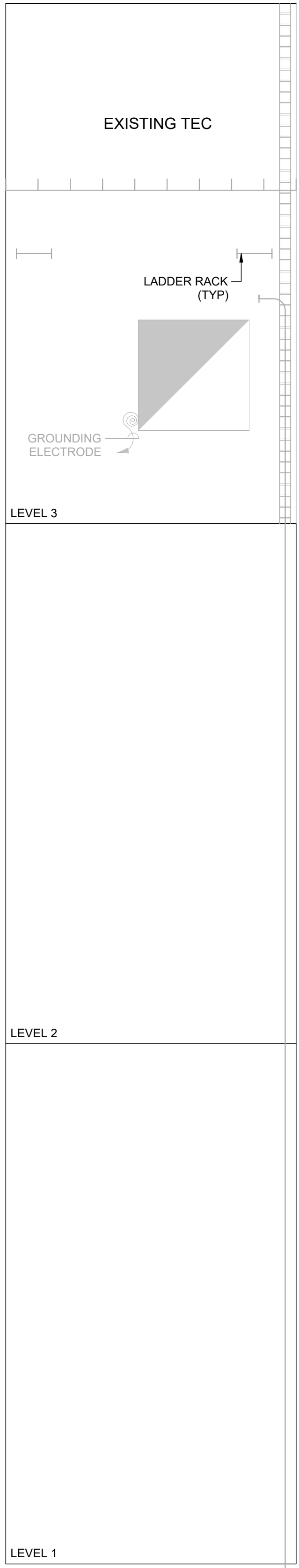
NOTES:

PANEL: "L2A1"																					
VOLTS/PHASE/WIRE:				PANEL SIZE & TYPE:				MAIN SIZE AND TYPE:				FED FROM:		CABINET:		LOCATION:		NEMA:			
120/208V, 3 PH 4 WIRE				22" W x 6" D, BOLT-ON				225 AMPERE MAIN LUGS						SURFACE		MAIN ELEC 200					
NOTES:										AIC RATING: 0											
CKT NO	OCP			LOAD (KVA)			DESCRIPTION	PHASE LOAD			DESCRIPTION	LOAD (KVA)			OCP		CKT NO				
	AMP	POLE	BKR	LTG	PWR	CO		A	B	C		CO	PWR	LTG	BKR	POLE		AMP			
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41																		42			
TOTALS:							CONNECTED KVA PER PHASE			0	0	0	CONNECTED TOTAL KVA =			0					
							CONNECTED AMPS PER PHASE			0	0	0	AVERAGE CONNECTED AMPS PER PHASE =			0					
NEC DIVERSIFIED LOAD CALCULATIONS																					
LIGHTING & CONTINUOUS LOADS:							- 100% CONNECTED LOAD PLUS 25%							DIVERSIFIED TOTAL KVA = 0							
RECEPTACLES:							- FIRST 10kVA @ 100%, REMAINDER @ 50%							AVERAGE AMPS PER PHASE = 0							
ALL OTHER LOADS @ 100% :							- MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC														
0.0 KVA																					
BKR: GF=GFCL, GF3=30mA GFCI CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCL, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCI, EX=EXISTING LOAD																					
NOTES:																					

PANEL: "L2B1"																			
VOLTS/PHASE/WIRE:				PANEL SIZE & TYPE:			MAIN SIZE AND TYPE:			FED FROM:	CABINET:	LOCATION:			NEMA:				
120/208V, 3 PH 4 WIRE				22" W x 6" D, BOLT-ON			225 AMPERE MAIN LUGS				SURFACE	MAIN ELEC 200							
NOTES:										AIC RATING: 0									
CKT NO	OCP			LOAD (kVA)			DESCRIPTION	PHASE LOAD			DESCRIPTION	LOAD (kVA)			OCP		CKT NO		
	AMP	POLE	BKR	LTG	PWR	CO		A	B	C		CO	PWR	LTG	BKR	POLE		AMP	
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TOTALS:							CONNECTED KVA PER PHASE			0	0	0	CONNECTED TOTAL KVA =			0			
							CONNECTED AMPS PER PHASE			0	0	0	AVERAGE CONNECTED AMPS PER PHASE =			0			
NEC DIVERSIFIED LOAD CALCULATIONS																			
LIGHTING & CONTINUOUS LOADS:							- 100% CONNECTED LOAD PLUS 25%							DIVERSIFIED TOTAL KVA = 0					
RECEPTACLES:							- FIRST 10kVA @ 100%, REMAINDER @ 50%							AVERAGE AMPS PER PHASE = 0					
ALL OTHER LOADS @ 100% :							- MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC												
0.0 KVA																			
BKR: GF=GFCL, GF3=30mA GFCI CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCL, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCI, EX=EXISTING LOAD																			
NOTES:																			

PANEL: "L2A2"																					
VOLTS/PHASE/WIRE: 120/208V, 3 PH 4 WIRE				PANEL SIZE & TYPE: 22" W x 6" D, BOLT-ON				MAIN SIZE AND TYPE: 225 AMPERE MAIN LUGS				FED FROM: SURFACE		CABINET: INTERLUCE		LOCATION: MAIN ELEC 200		NEMA:			
NOTES:												AIC RATING: 0									
CKT NO	OCP			LOAD (kVA)			DESCRIPTION	PHASE LOAD			DESCRIPTION	LOAD (kVA)			OCP			CKT NO			
	AMP	POLE	BKR	LTG	PWR	CO		A	B	C		CO	PWR	LTG	BKR	POLE	AMP				
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41																		42			
TOTALS:								CONNECTED KVA PER PHASE	0	0	0	CONNECTED TOTAL KVA =								0	
								CONNECTED AMPS PER PHASE	0	0	0	AVERAGE CONNECTED AMPS PER PHASE =								0	
NEC DIVERSIFIED LOAD CALCULATIONS																					
LIGHTING & CONTINUOUS LOADS:								- 100% CONNECTED LOAD PLUS 25%								DIVERSIFIED TOTAL KVA = 0					
RECEPTACLES:								- FIRST 10kVA @ 100%, REMAINDER @ 50%								AVERAGE AMPS PER PHASE = 0					
ALL OTHER LOADS @ 100% :								0.0 kVA								- MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH					
																- LARGEST MOTOR CALCULATED @ 125% PER NEC					
BKR: =GF/GFI, GF3=30mA GFCI CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCI, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCI, EX=EXISTING LOADS																					
NOTES:																					

TITLE BLOCK (VERSION: 20210830) MODEL: Absolute Docs (27487.000) - UT - UTA Sports Performance Center - 20250509085 - ELECTRICAL MODEL.rvt PRINT DATE: 8/26/2026 4:51:30 PM TEMPLATE (VERSION: 2316) © 2026 HKS, INC.

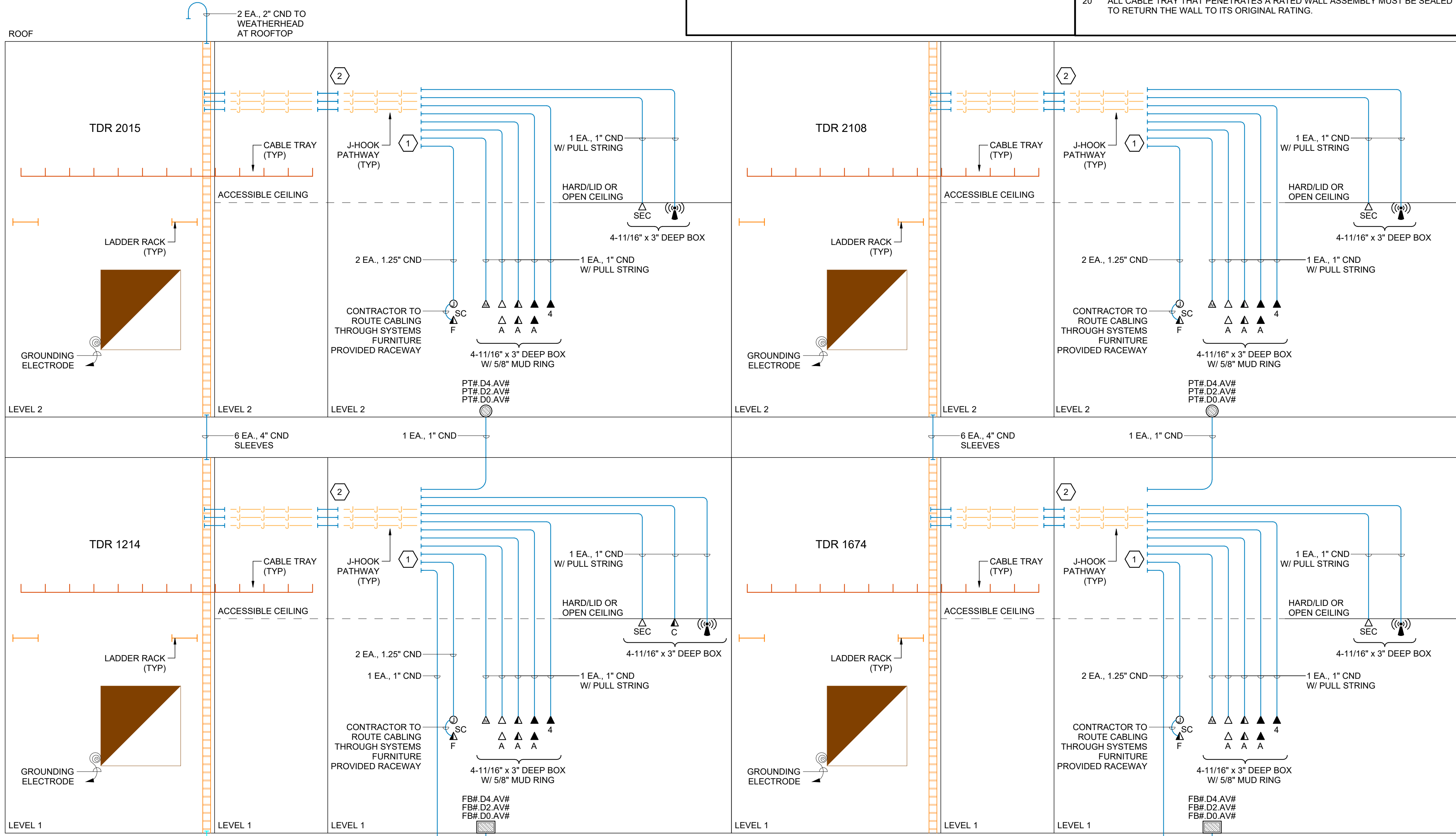


SHEET KEYNOTES

- CONTRACTOR TO STUB CONDUIT INTO ACCESSIBLE CEILING SPACE. FROM CONDUIT STUB, PROVIDE J-HOOK PATHWAY FOR REQUIRED CABLES TO CABLE TRAY. MAXIMUM SPACING OF J-HOOK TO BE 48" ON-CENTER.
- CONTRACTOR TO PROVIDE SLEEVES THROUGH ALL WALLS FOR CABLE PATHWAYS. ALL FIRE-RATED WALLS REQUIRE A FIRE-RATED SLEEVE. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. ALL SMOKE/ NON-RATED WALLS REQUIRE A CONDUIT SLEEVE WITH BUSHINGS AND ARE REQUIRED TO BE SEALED WITH FIRE-RATED CAULK AND PUTTY. CONTRACTOR TO DETERMINE FINAL NUMBER OF SLEEVES FOR PENETRATIONS THROUGH WALLS.

GENERAL SHEET NOTES

- PROVIDE PROTECTIVE BUSHING ON THE END OF ALL CONDUIT RUNS.
- IN LOCATIONS WHERE CONDUIT IS STUBBED INTO THE CEILING SPACE, THE USE OF J-HOOKS IS REQUIRED TO CARRY THE CABLE BACK TO CABLE TRAY. MAXIMUM SPACING OF J-HOOKS IS 60". ENSURE NO MORE THAN 6" OF SAG AT THE LOWEST POINT OF THE CABLE. IF SAG IS GREATER THAN 6" ADD ADDITIONAL J-HOOKS FOR SUPPORT.
- A SINGLE BEND CANNOT BE GREATER THAN 90 DEGREES.
- NO MORE THAN 180 DEGREE IN BENDS IS ALLOWED WITH PROVIDING AN ACCESSIBLE PULL BOX. PULL BOX MUST BE IN AN ACCESSIBLE CEILING SPACE FOR ONGOING SUPPORT AND MAINTENANCE.
- A SINGLE CONDUIT FOR HORIZONTAL CABLE CANNOT RUN MORE THAN 100' CONTINUOUSLY WITHOUT A PULL BOX OR AN ACCESSIBLE PULL POINT.
- TELECOMMUNICATIONS CONDUIT SHOULD NOT RUN OVER OR ADJACENT TO BOILERS, INCINERATORS, HOT WATER LINES, OR STEAM LINES.
- ALL CONDUIT MUST BE SEALED PROPERLY AFTER CABLE INSTALLATION TO ENSURE ANY RATED WALL ASSEMBLIES ARE RETURNED TO THE ORIGINAL WALL RATING.
- TELECOMMUNICATIONS WORK AREA OUTLET SHOULD BE LOCATED WITHIN 3' OF AN ELECTRICAL OUTLET AND INSTALLED AT THE SAME ELEVATION.
- THE DAISY CHAINING OF TELECOMMUNICATIONS BOXES IS NOT ALLOWED. ALL CONDUIT RUNS MUST BE DEDICATED TO ONE OUTLET LOCATION.
- ALL CONDUITS INSTALLED FOR THE USE OF BACKBONE CABLE MUST USE LONG SWEEPS.
- VERTICAL SLEEVES MUST EXTEND A MINIMUM OF 3" ABOVE THE FINISHED FLOOR BUT NO MORE THAN 6" ABOVE THE FINISHED FLOOR.
- VERTICAL SLEEVES MUST BE COORDINATED WITH THE ENLARGE TELECOM VIEWS TO ENSURE PROPER CIRCULATION SPACE IS GIVEN.
- VERTICAL SLEEVES SHOULD BE ADJACENT TO THE WALL AND IN A CORNER WHERE AT ALL POSSIBLE TO ALLOW FOR PROPER CABLE RACKING. NO MORE THAN TWO ROWS OF SLEEVES ARE ALLOWED.
- VERTICALLY MOUNTED LADDER RACK IS REQUIRED TO SUPPORT CABLE. CABLE SHOULD BE SUPPORTED IN A VERTICAL POSITION TO ENSURE CABLE DOES NOT SLIP.
- ALL VERTICAL SLEEVES MUST BE PROPERLY SEALED AFTER USE.
- ALL CONDUIT SHOULD HAVE A PULL CORD INSTALLED WITH A MINIMUM TEST RATING OF 200 LBS.
- AFTER CONDUIT INSTALLATION CONDUITS SHOULD BE LEFT CLEAN, DRY, AND UNOBSTRUCTED, REAMED AND FITTED WITH BUSHINGS, CAPPED FOR PROTECTION, AND LABELED FOR IDENTIFICATION.
- ALL CABLE TRAY INSTALLATION MUST UTILIZE TRAPEZE MOUNTING. NO CENTER HUNG SUPPORTS WILL BE ALLOWED. NO WALL MOUNTS WILL BE ALLOWED. IF TRAPEZE SUPPORTS CANNOT BE USED, A REQUEST MUST BE SUBMITTED TO ALLOW ALTERNATE MOUNTING METHODS.
- ALL CABLE TRAY MUST BE SEISMICALLY BRACED.
- ALL CABLE TRAY THAT PENETRATES A RATED WALL ASSEMBLY MUST BE SEALED TO RETURN THE WALL TO ITS ORIGINAL RATING.



TELECOM CONDUIT RISER DIAGRAM

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

ARCHITECT
HKS ARCHITECTS, INC.
90 SOUTH 400 WEST, #110
SALT LAKE CITY, UTAH 84101

CIVIL ENGINEER
GREAT BASIN ENGINEERING, INC.
5745 SOUTH 1475 EAST
OGDEN, UTAH 84403

LANDSCAPE ARCHITECT
MGB+A STUDIO
145 WEST 200 SOUTH
SALT LAKE CITY, UTAH 84101

STRUCTURAL ENGINEER
REAVELEY ENGINEERS
250 EAST 200 SOUTH, SUITE 1000
SALT LAKE CITY, UTAH 84111

M/P/FP ENGINEER
RESOLUT GROUP
181 EAST 5600 SOUTH, SUITE 200
MURRAY, UTAH 84107

E/T ENGINEER
LYNK ENGINEERS, INC.
324 SOUTH STATE STREET, SUITE 400
SALT LAKE CITY, UTAH 84111



SEAL & SIGNATURE

KEY PLAN

REVISION NO.	DESCRIPTION	DATE
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HKS PROJECT NUMBER
27487.000

DATE
8/26/2026

ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
**TELECOM CONDUIT
RISER DIAGRAM**

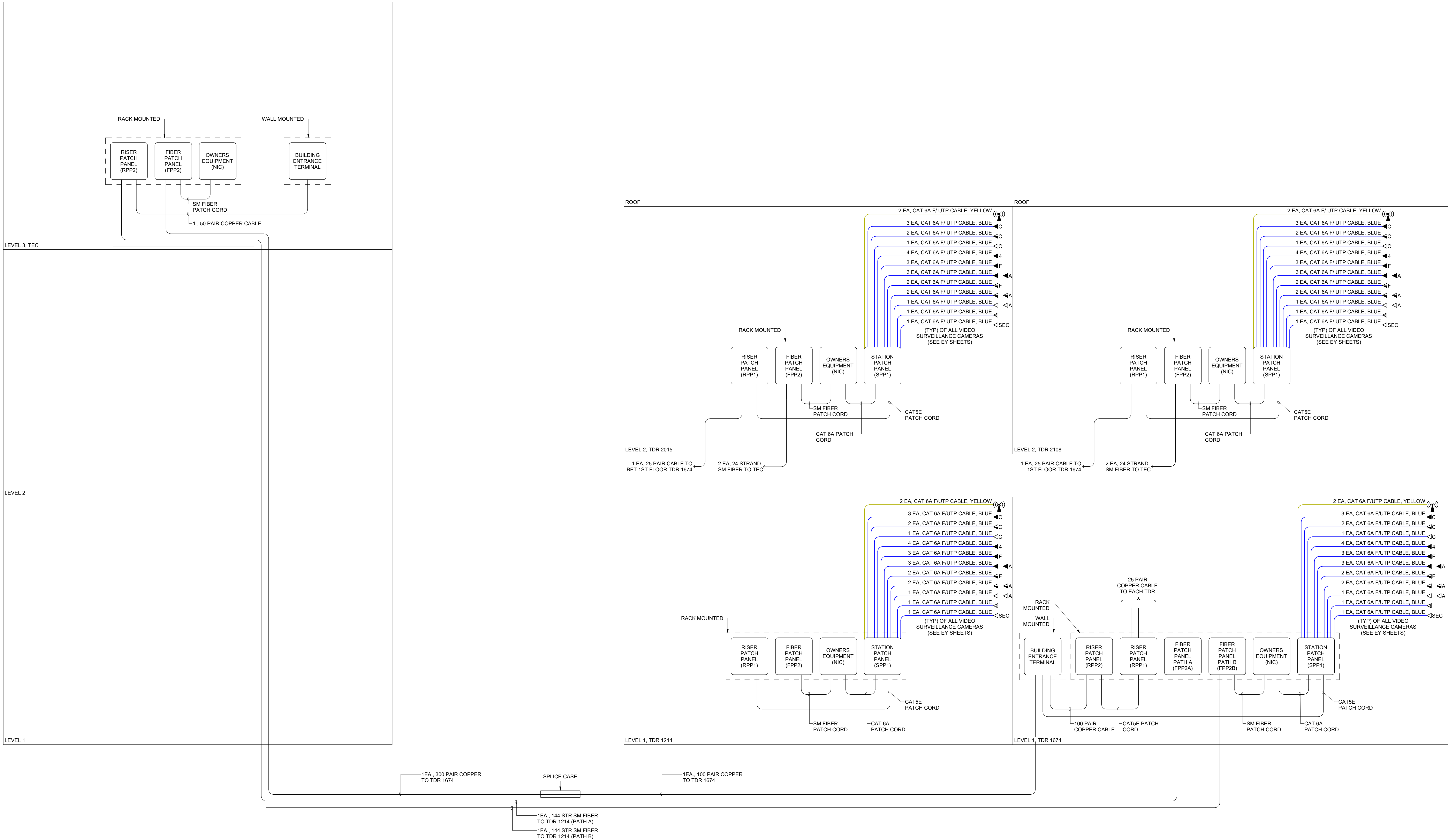
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EP650

PRINT DATE: 8/25/2026 4:51:31 PM MODEL: Autodesk Docs\27487.000-IT-UV Sports Performance Center\2025250905 - ELECTRICAL MODEL.rvt TEMPLATE VERSION: 23.0.8 TITLE BLOCK VERSION: 202108.0

1 TELECOM CABLE RISER DIAGRAM

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



HKS

ARCHITECT
HKS ARCHITECTS, INC.
90 SOUTH 400 WEST, #110
SALT LAKE CITY, UTAH 84101

CIVIL ENGINEER
GREAT BASIN ENGINEERING, INC
5746 SOUTH 1475 EAST
OGDEN, UTAH 84403

LANDSCAPE ARCHITECT
MGB+A STUDIO
145 WEST 200 SOUTH
SALT LAKE CITY, UTAH 84101

STRUCTURAL ENGINEER
REAVELEY ENGINEERS
250 EAST 200 SOUTH, SUITE 1000
SALT LAKE CITY, UTAH 84111

M/P/FP ENGINEER
RESOLUT GROUP
181 EAST 5600 SOUTH, SUITE 200
MURRAY, UTAH 84107

E/T ENGINEER
LYNK ENGINEERS, INC
324 SOUTH STATE STREET, SUITE 400
SALT LAKE CITY, UTAH 84111

Intermountain Health
UTAH VALLEY SPORTS PERFORMANCE CENTER
PROJECT ADDRESS: WEST 180 NORTH, 200 WEST PROVO, UTAH 84604

SEAL & SIGNATURE

KEY PLAN

REVISION	NO.	DESCRIPTION	DATE
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HKS PROJECT NUMBER
27487.000

DATE
8/26/2026

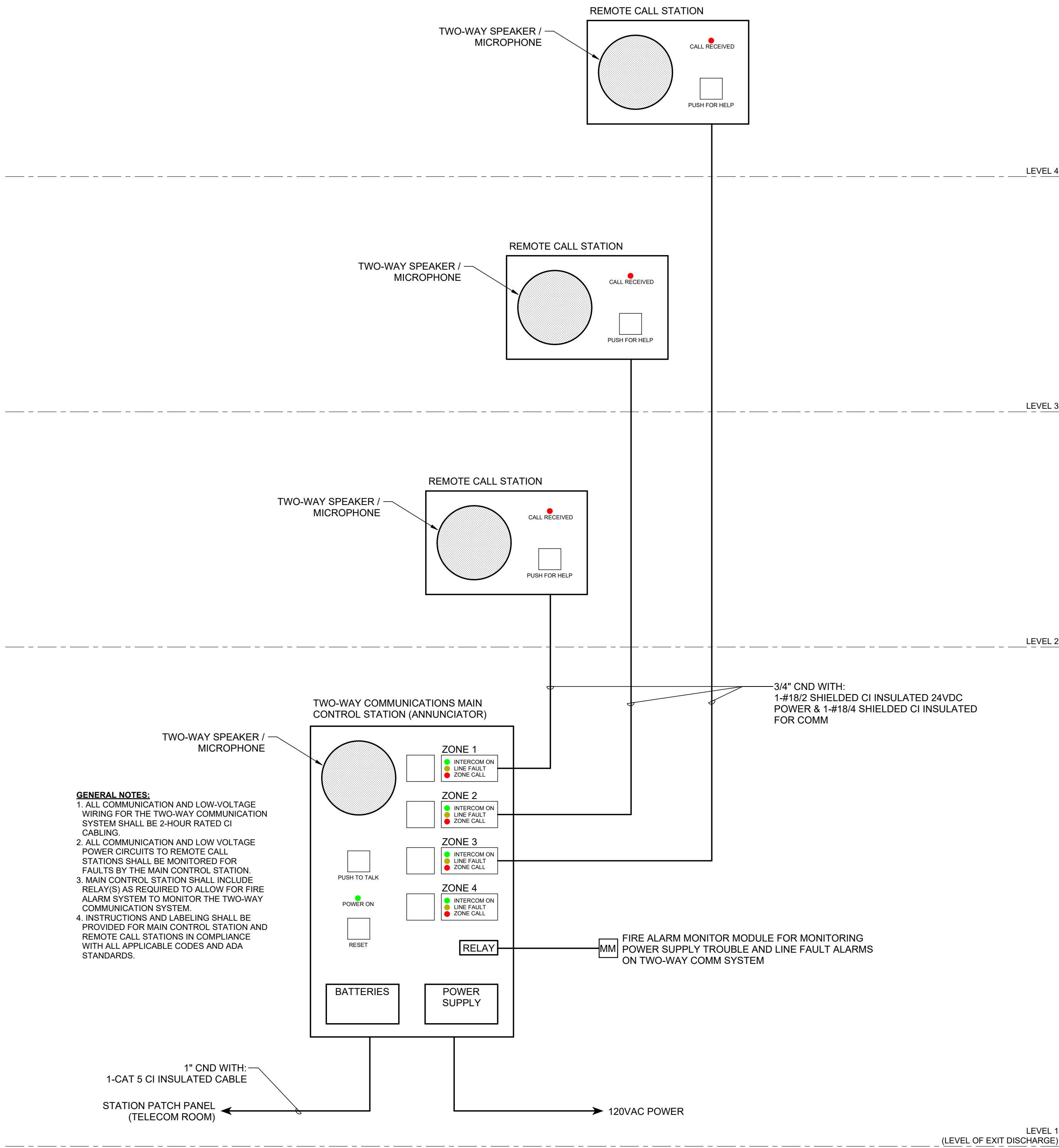
ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
TELECOM CABLE RISER DIAGRAM

SHEET NO.

EP651

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A4 TWO-WAY COMMUNICATION SYSTEM RISER DIAGRAM
SCALE: NTS



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**UTAH VALLEY SPORTS
PERFORMANCE CENTER**

PROJECT ADDRESS: WEST 880 NORTH, 200 WEST PROVO, UTAH 84604

SEAL & SIGNATURE

KEY PLAN

REVISION		
NO.	DESCRIPTION	DATE

HKS PROJECT NUMBER
27487.000

DATE
8/26/2026

ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
**TWO-WAY
COMMUNICATIONS
SYSTEM RISER
DIAGRAM**

EP652

SHEET KEYNOTES	GENERAL SHEET NOTES

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ARCHITECT
HKS ARCHITECTS, INC.
90 SOUTH 400 WEST, #110
SALT LAKE CITY, UTAH 84101

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MURRAY, UTAH 84107

E/T ENGINEER
LYNK ENGINEERS, INC.
324 SOUTH STATE STREET, SUITE 400
SALT LAKE CITY, UTAH 84111



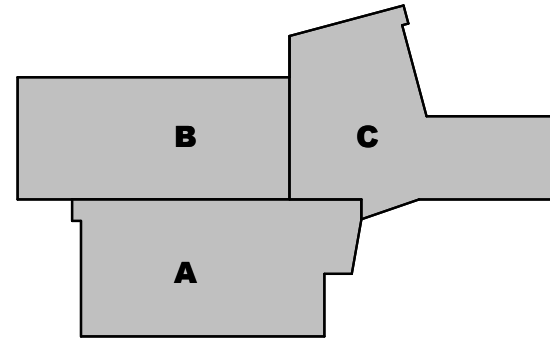
324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
www.lynkengineers.com

UTAH VALLEY SPORTS
PERFORMANCE CENTER

Intermountain
Health

SEAL & SIGNATURE

KEY PLAN



REVISION	NO.	DESCRIPTION	DATE
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HKS PROJECT NUMBER
27487.000

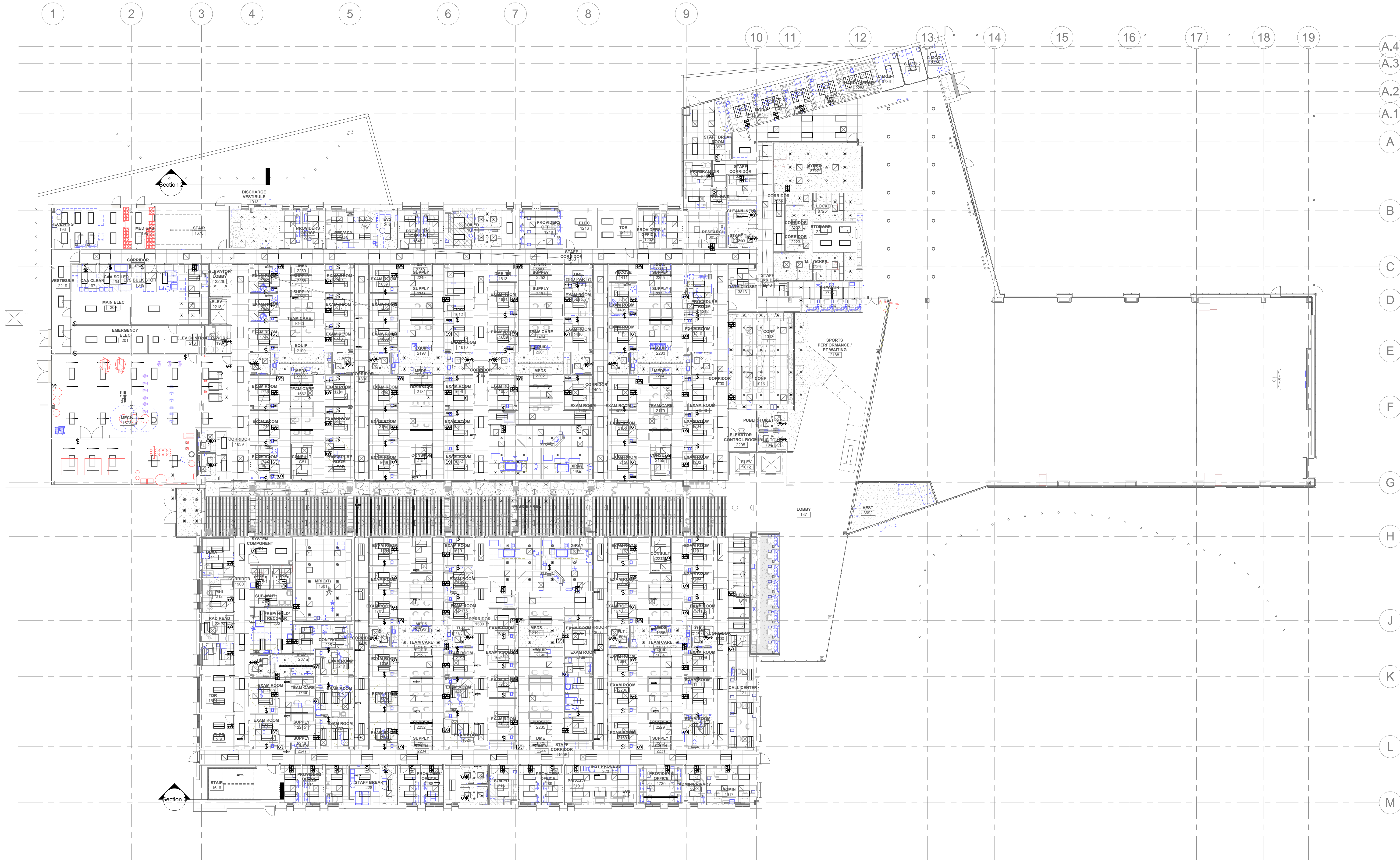
DATE
8/26/2026

ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
**LEVEL 1 OVERALL
LIGHTING PLAN**

SHEET NO.

EL101



1 LEVEL 1 LIGHTING PLAN - OVERALL
SCALE: 1/16" = 1'-0" 0 8' 16' 32'

TITLE BLOCK (VERSION: 20210830) MODEL: A:\models\27162\000_11_UV Sports Performance Center_20250905 - ELECTRICAL MODEL.rvt PRINT DATE: 8/26/2026 4:52:05 PM TEMPLATE VERSION: 231.6 © 2026 HKS, INC.

◇ SHEET KEYNOTES	GENERAL SHEET NOTES

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RESOLUT GROUP
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UTAH VALLEY SPORTS
PERFORMANCE CENTER

PROJECT ADDRESS: WEST 880 NORTH, 200 WEST PROVIDENT, UTAH 84604

SEAL & SIGNATURE

KEY PLAN

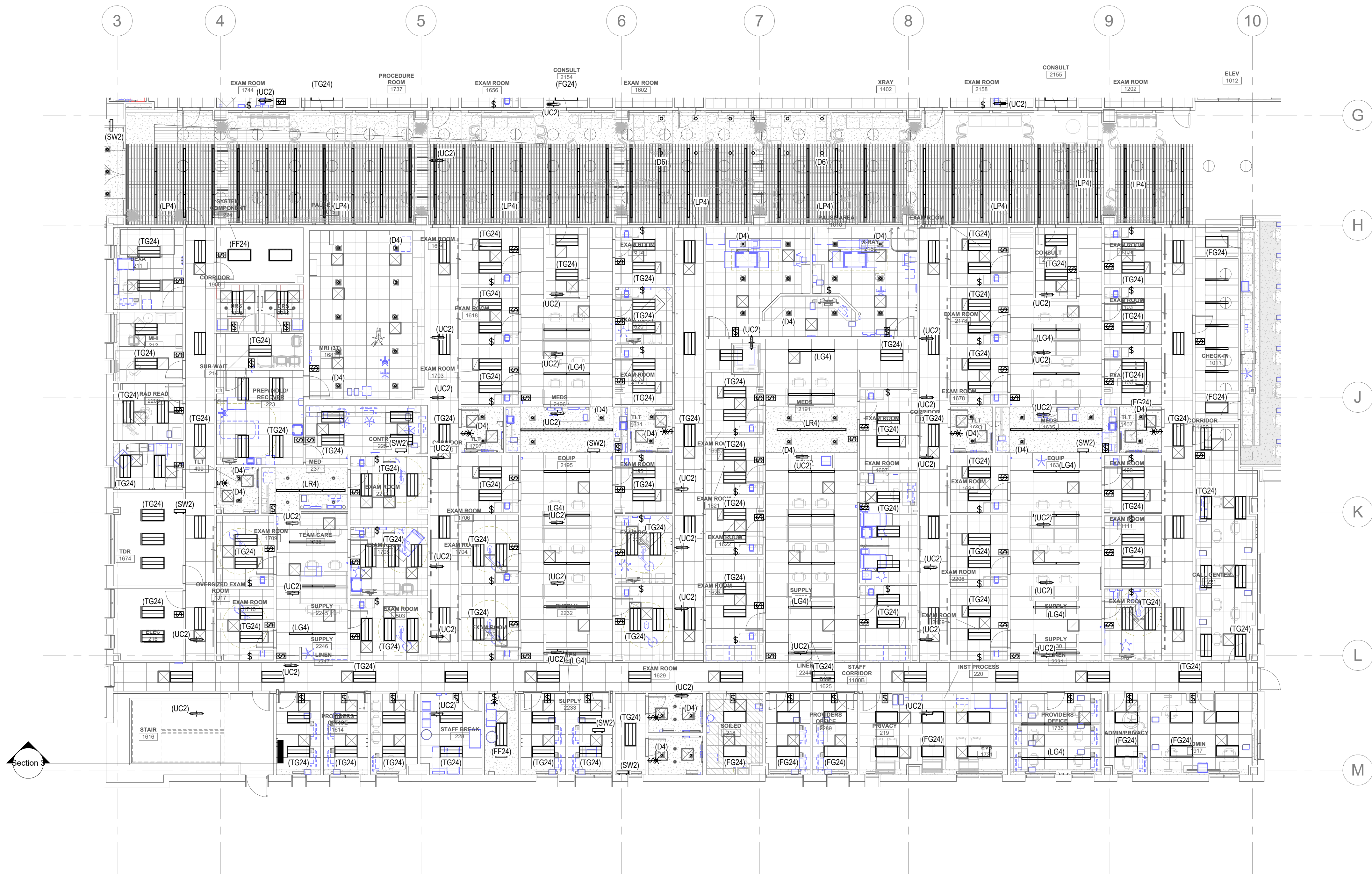
REVISION	NO.	DESCRIPTION	DATE
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HKS PROJECT NUMBER
27487.000
DATE
8/26/2026
ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
**LEVEL 1 LIGHTING
PLAN - SECTOR A**

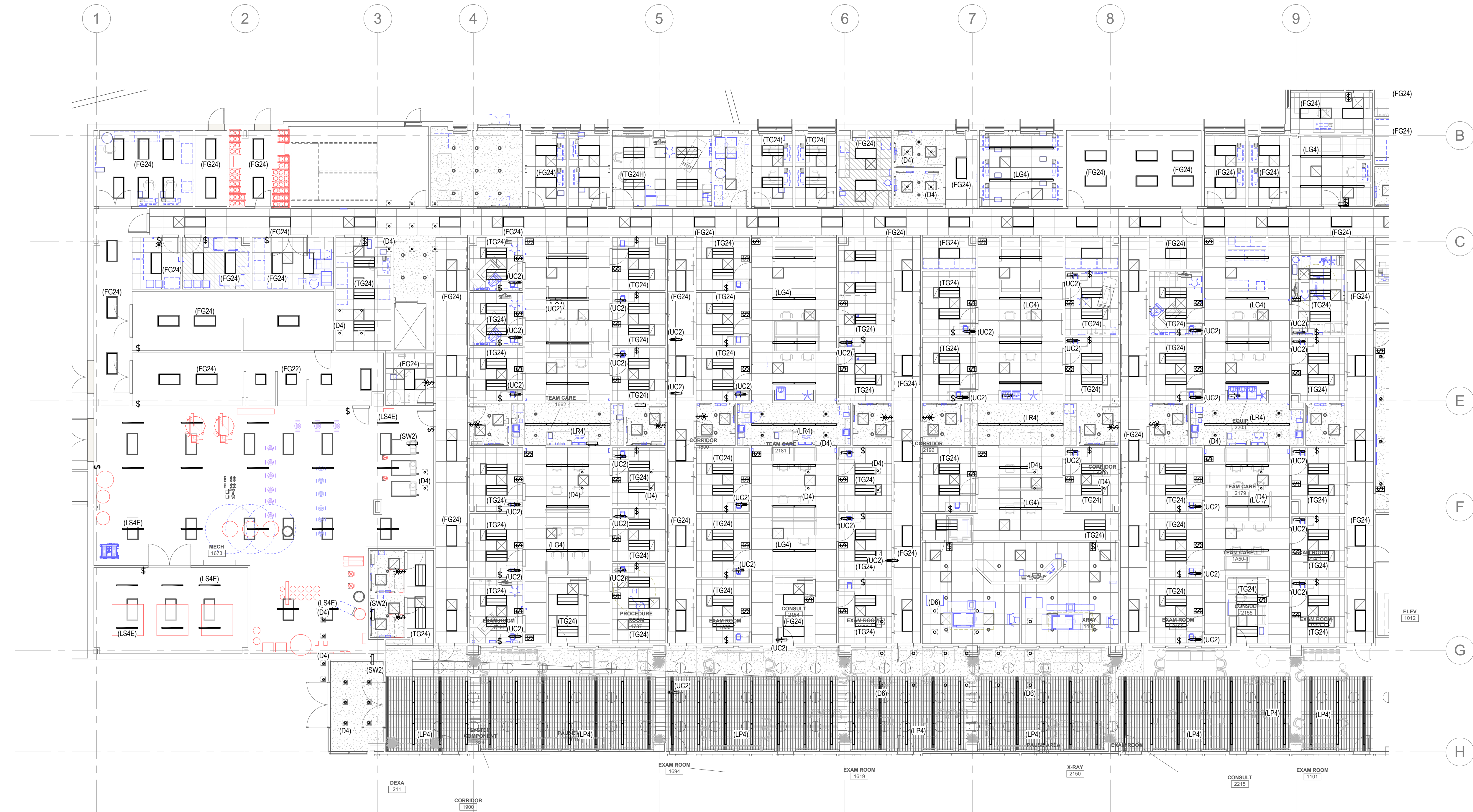
SHEET NO.

EL101A



2 LEVEL 1 LIGHTING PLAN - SECTOR A
SCALE: 3/32" = 1'-0" 8' 16' 32'

TITLE BLOCK VERSION: 20210830
MODEL: Autodesk Docs\27487.000_HL UV Sports Performance Center_2025250905 - ELECTRICAL MODEL.rvt
PRINT DATE: 8/25/2026 4:52:23 PM TEMPLATE VERSION: 231.6



2 LEVEL 1 LIGHTING PLAN - SECTOR B
SCALE: 3/32" = 1'-0"
8' 16' 32'

○ SHEET KEYNOTES	GENERAL SHEET NOTES

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STRUCTURAL ENGINEER
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SALT LAKE CITY, UTAH 84111

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RESOLUT GROUP
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MURRAY, UTAH 84107

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PERFORMANCE CENTER**
PROJECT ADDRESS: WEST 880 NORTH, 200 WEST PROVIDENT, UTAH 84004

SEAL & SIGNATURE

KEY PLAN

REVISION	NO.	DESCRIPTION	DATE
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HKS PROJECT NUMBER
27487.000

DATE
8/26/2026

ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
**LEVEL 1 LIGHTING
PLAN - SECTOR B**

SHEET NO.

EL101B

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OGDEN, UTAH 84403

LANDSCAPE ARCHITECT
MGB+A STUDIO
145 WEST 300 SOUTH
SALT LAKE CITY, UTAH 84101

STRUCTURAL ENGINEER
RAVELEY ENGINEERS
250 EAST 200 SOUTH, SUITE 1000
SALT LAKE CITY, UTAH 84111

M/P/PP ENGINEER
RESOLUTION GROUP
181 EAST 5600 SOUTH, SUITE 200



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OGDEN, UTAH 84403

LANDSCAPE ARCHITECT
MGB+A STUDIO
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SALT LAKE CITY, UTAH 84101

STRUCTURAL ENGINEER
REAVELEY ENGINEERS
250 EAST 200 SOUTH, SUITE 1000
SALT LAKE CITY, UTAH 84111

M/P/FP ENGINEER
RESOLUT GROUP
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MURRAY, UTAH 84107

E/T ENGINEER
LYNK ENGINEERS, INC.
324 SOUTH STATE STREET, SUITE 400
SALT LAKE CITY, UTAH 84111

Intermountain
Health
UTAH VALLEY SPORTS
PERFORMANCE CENTER
PROJECT ADDRESS: WEST 880 NORTH, 200 WEST PROVIDENCE, UTAH 84004

SEAL & SIGNATURE

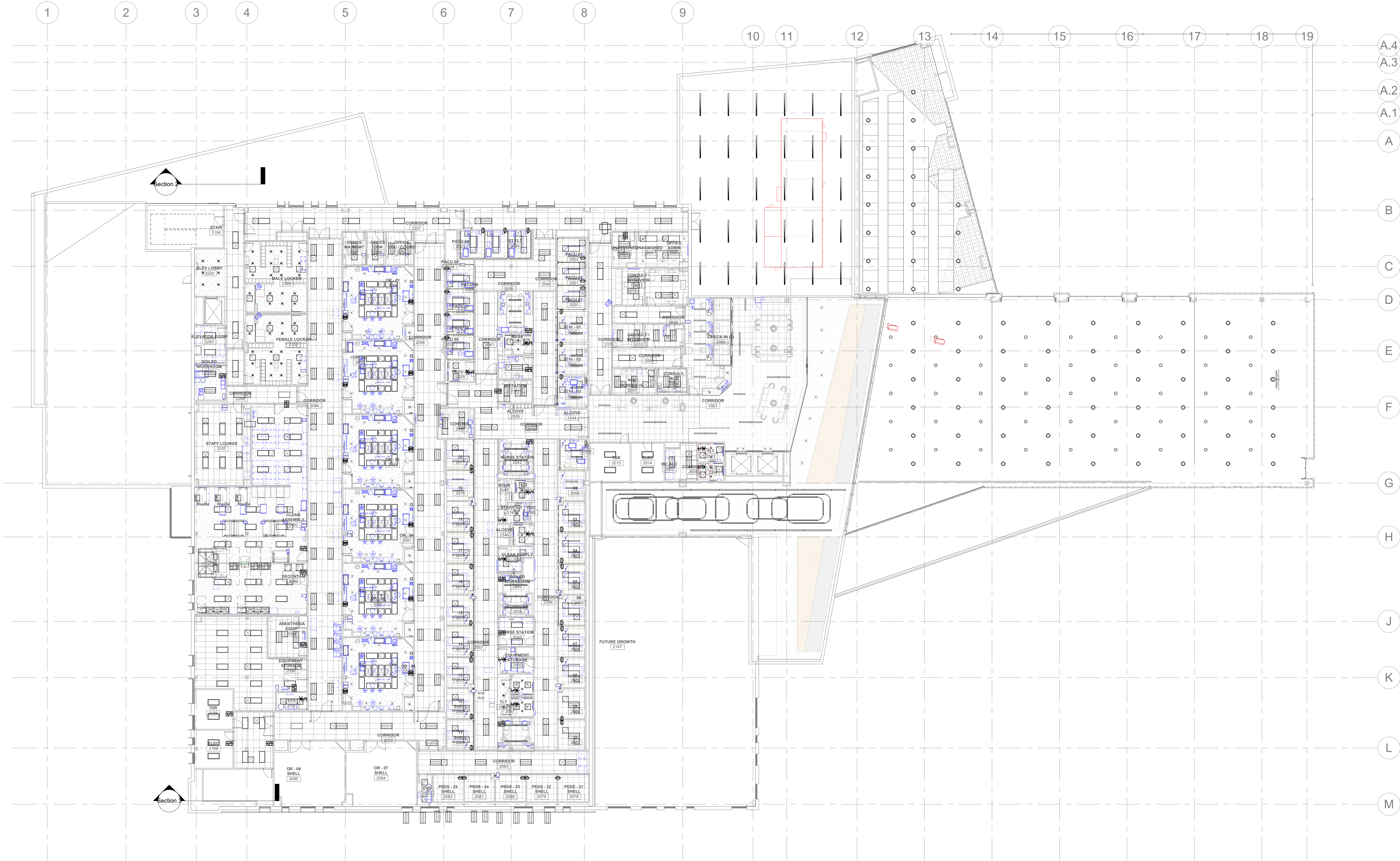
KEY PLAN

REVISION	NO.	DESCRIPTION	DATE
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HKS PROJECT NUMBER
27487.000
DATE
8/26/2026
ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
**LEVEL 2 OVERALL
LIGHTING PLAN**

SHEET NO.
EL102



1 LEVEL 2 LIGHTING PLAN - OVERALL
SCALE: 1/16" = 1'-0" 0 8' 16' 32'

◇ SHEET KEYNOTES	GENERAL SHEET NOTES

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HKS ARCHITECTS, INC.
90 SOUTH 400 WEST, #110
SALT LAKE CITY, UTAH 84101

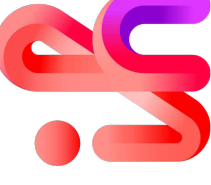
CIVIL ENGINEER
GREAT BASIN ENGINEERING, INC.
5746 SOUTH 1475 EAST
OGDEN, UTAH 84403

LANDSCAPE ARCHITECT
MGB+A STUDIO
145 WEST 200 SOUTH
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RESOLUT GROUP
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PERFORMANCE CENTER**
PROJECT ADDRESS: WEST 880 NORTH, 200 WEST PROVO, UTAH 84604

SEAL & SIGNATURE

KEY PLAN

REVISION NO.	DESCRIPTION	DATE
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HKS PROJECT NUMBER
27487.000
DATE
8/26/2026
ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
**LEVEL 2 LIGHTING
PLAN - SECTOR A**

SHEET NO.

EL102A



2 LEVEL 2 LIGHTING PLAN - SECTOR A
SCALE: 1/8" = 1'-0" 0 8' 16' 32'

○ SHEET KEYNOTES	GENERAL SHEET NOTES

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GREAT BASIN ENGINEERING, INC
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MGB+A STUDIO
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SALT LAKE CITY, UTAH 84101

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REAVELEY ENGINEERS
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M/P/FP ENGINEER
RESOLUT GROUP
181 EAST 5600 SOUTH, SUITE 200
MURRAY, UTAH 84107

E/T ENGINEER
LYNK ENGINEERSEERS, INC
324 SOUTH STATE STREET, SUITE 400
SALT LAKE CITY, UTAH 84111

**UTAH VALLEY SPORTS
PERFORMANCE CENTER**

**Intermountain
Health**

PROJECT ADDRESS: WEST 1460 NORTH 200 WEST PROVO, UTAH 84604

SEAL & SIGNATURE _____

E

KEY PLAN

F

REVISION		
NO.	DESCRIPTION	DATE

G

HKS PROJECT NUMBER

27487.000

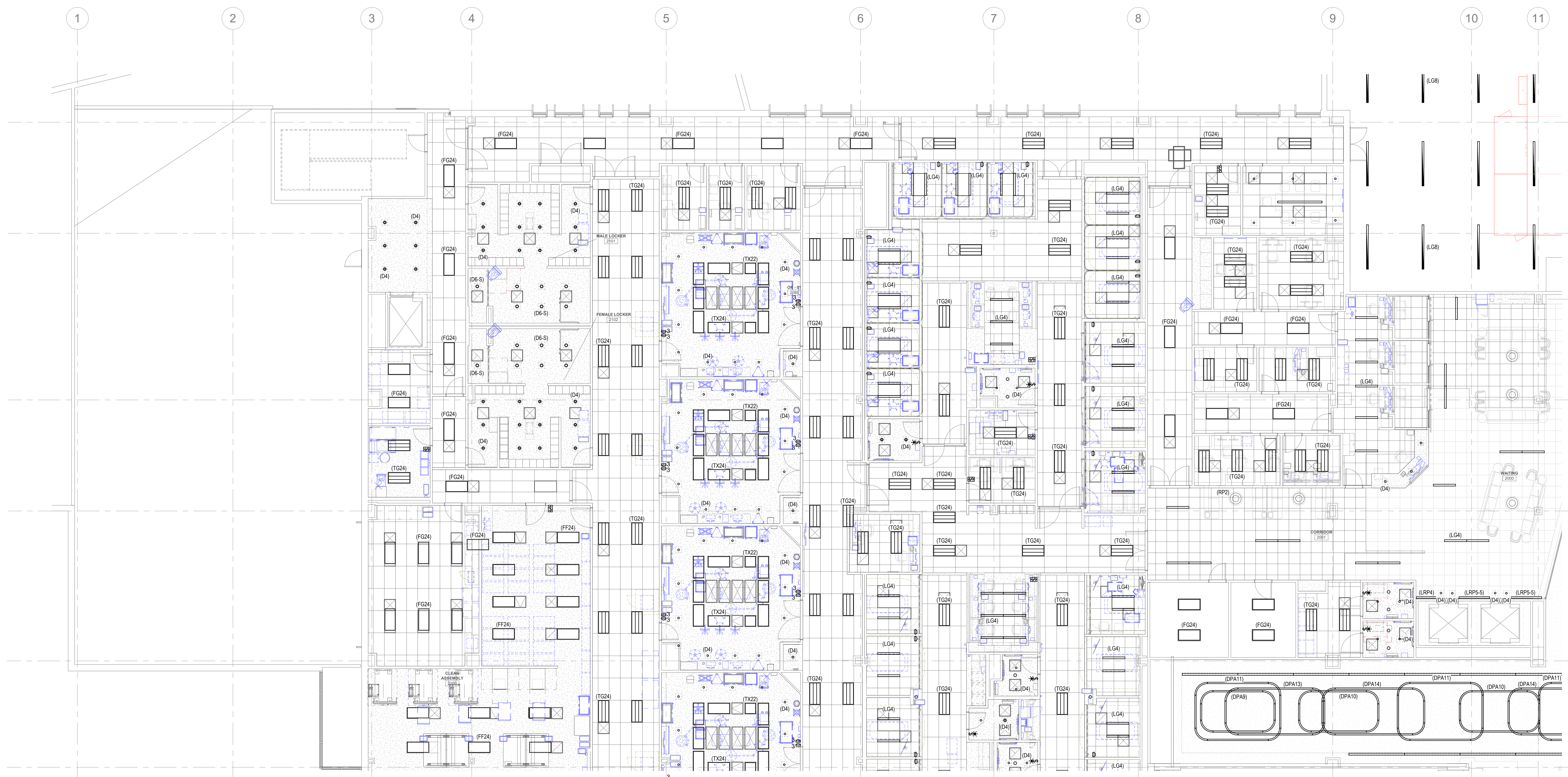
DATE _____

ISSUE
DESIGN DEVELOPMENT

SHEET TITLE
**LEVEL 2 LIGHTING
PLAN - SECTOR B**

SHEET NO.

EL102B



2 LEVEL 2 LIGHTING PLAN - SECTOR B

SCALE: 1/8" = 1'-0" 0 8' 16' 32'