SYMBOLS LEGEND

SYMBOL	DESCRIPTION
00	**REFERENCE AND LINE SYMBOLS**
01 A5 E-501	DETAIL INDICATOR: A5 INDICATES DETAIL NUMBER, E-501 INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
02 A5 E-201	ELEVATION OR SECTION INDICATOR, EXTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
03 A5 E-201	ELEVATION OR SECTION INDICATOR, INTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
ROOM NAME 04 100	ROOM IDENTIFIER WITH ROOM NAME AND NUMBER.
05 1	KEYNOTE INDICATOR.
06 1	REVISION INDICATOR.
07 CU-1	EQUIPMENT INDICATOR.
08 X-X XMDP	MECHANICAL EQUIPMENT INDICATOR. "X-X" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "XMDP" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
09	BREAK, STRAIGHT: TO BREAK PARTS OF DRAWING
10	BREAK, ROUND
11 MATCH LINE SEE XX/X-XXX	MATCH LINE INDICATOR: CENTER, EXTRA WIDE LINE.
12	NEW LINE: MEDIUM LINE.
13	HIDDEN FEATURES LINE: HIDDEN, THIN LINE
14	EXISTING TO REMAIN LINE: THIN LINE.
15	DEMOLITION LINE: DASHED, MEDIUM LINE
16	PROPERTY LINE: DASHED, WIDE LINE.
17	CONTRACT LIMIT LINE: DASHDOT, WIDE LINE.
18 XXX EF-X	ELECTRICAL EQUIPMENT INDICATOR. "XXX" INDICATES TYPE OF EQUIPMENT OR EQUIPMENT ID. "EF-X" IDENTIFIES MECHANICAL EQUIPMENT BEING SERVED. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
19 X-X 1LA-3	EQUIPMENT INDICATOR. "X-X" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "1LA-3" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
00	**WIRING METHODS**
01	WIRING.
02	WIRING TURNED UP OR TOWARDS OBSERVER.
03	WIRING TURNED DOWN OR AWAY FROM OBSERVER.
04 A-1,3,5	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. USE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN THE ELECTRICAL SPECIFICATIONS.
05 1 A-1,3,5	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. NUMBER IN BOX REFERS TO THE CONDUCTOR AND CONDUIT SCHEDULE. FOR BRANCH WIRING USE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN THE ELECTRICAL SPECIFICATIONS.
06 A-1,3,5	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. SMALL CROSS LINES INDICATE NUMBER OF CONDUCTORS OR CABLES. LARGER CROSS LINE INDICATES EQUIPMENT GROUND. WAVY CROSS LINE INDICATES INSULATED/ ISOLATED GROUND. FOR BRANCH WIRING, CROSS LINES INDICATE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN THE ELECTRICAL SPECIFICATIONS.
07	FLEXIBLE WIRING.
08 — X —	WIRING AND/OR RACEWAY: THIN LINE. WHERE "X" = : CATV = CABLE TELEVISION CCTV = CLOSED CIRCUIT TELEVISION FA = FIRE ALARM FO = FIBER OPTICS I = INTERCOM NC = NURSE CALL P = POWER RC = RIGID CONDUIT S = SOUND T = TELEPHONE TV = TELEVISION OTHERS AS NOTED IN OTHER SCHEDULES. RACEWAYS AND WIRING SHALL BE SIZED AS SHOWN AND/OR SPECIFIED.
09	LOW VOLTAGE WIRING: DIVIDE, MEDIUM LINE.
10	CONDUIT STUB. DIMENSION RECORD DRAWINGS AND MARK.
11 1	CONDUCTOR & CONDUIT ("CC") SCHEDULE INDICATOR. REFER TO ONE-LINE DIAGRAM.
12 HC	ADA ACCESS PUSH PLATE
13 J	JUNCTION BOX.
14 J SC	JUNCTION BOX, SYSTEMS FURNITURE COMMUNICATION CONNECTION.
15 J SP	JUNCTION BOX, SYSTEMS FURNITURE POWER CONNECTION.
16	JUNCTION BOX, DUCT, UNDERFLOOR. TRIPLE, DOUBLE OR SINGLE DUCT SYSTEM AS INDICATED BY THE NUMBER OF PARALLEL LINES. DESIGNATIONS AS SHOWN FOR WIRING AND/OR RACEWAY SYMBOLS.
17	DUCT CELL FLOOR HEADER.
18 PB	PULL BOX.
19 C C	CABLE TRAY ABOVE ACCESSIBLE CEILING.
20 W W	WIREWAY.
21	EARTH GROUND (ONE-LINE DIAGRAM).
22 J C	JUNCTION BOX, CEILING.
23	LADDER RACK.
24 A A	CABLE TRAY BELOW ACCESSIBLE FLOOR.
25	MECHANICAL EQUIPMENT CONNECTION. REFER TO EQUIPMENT SCHEDULE FOR REQUIREMENTS.
26 EV	ELECTRIC VEHICLE CHARGING STATION.

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
00	**WIRING DEVICES**
01	RECEPTACLE, SINGLE: NEMA 5-20R.
02	RECEPTACLE, DUPLEX: NEMA 5-20R.
03 A	RECEPTACLE, DUPLEX, ABOVE COUNTER: NEMA 5-20R.
04 C	RECEPTACLE, DUPLEX, CEILING: NEMA 5-20R.
05 D	RECEPTACLE, DUPLEX, DEDICATED CIRCUIT: NEMA 5-20R.
06 DF	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, DRINKING FOUNTAIN: CONCEAL WATER COOLER RECEPTACLE BEHIND WATER COOLER. SEE MECHANICAL/PLUMBING SHOP DRAWINGS FOR INSTALLATION REQUIREMENTS.
07 IG	RECEPTACLE, DUPLEX, ISOLATED GROUND: NEMA 5-20R.
08 S	RECEPTACLE, DUPLEX, SWITCHED: NEMA 5-20R.
09 UC	RECEPTACLE, DUPLEX, FLOOR, UNDER CARPET: NEMA 5-20R.
10 W	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WET LABEL, "WEATHERPROOF IN USE": NEMA 5-20R.
11 WP	RECEPTACLE, DUPLEX, WEATHERPROOF: NEMA 5-20R.
12	RECEPTACLE, DUPLEX, HOSPITAL GRADE: NEMA 5-20R.
13	RECEPTACLE, DUPLEX ON EMERGENCY POWER: NEMA 5-20R.
14	RECEPTACLE, DUPLEX, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
15	RECEPTACLE, DUPLEX, CONNECTED TO UPS: NEMA 5-20R.
16	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
17	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE: NEMA 5-20R.
18	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
19 WP	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WEATHERPROOF: NEMA 5-20R.
20	RECEPTACLE, DUPLEX, RECESSED: NEMA 5-20R.
21 S	RECEPTACLE, DUPLEX, SWITCHED, RECESSED: NEMA 5-20R.
22	RECEPTACLE, QUADRAPLEX: NEMA 5-20R.
23	RECEPTACLE, QUADRAPLEX ON EMERGENCY POWER: NEMA 5-20R.
24	RECEPTACLE, QUADRAPLEX, HOSPITAL GRADE: NEMA 5-20R.
25	RECEPTACLE, QUADRAPLEX, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
26	RECEPTACLE, QUADRAPLEX, CONNECTED TO UPS: NEMA 5-20R.
27	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
28	RECEPTACLE, SPECIAL PURPOSE. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
29	RECEPTACLE, SPECIAL PURPOSE ON EMERGENCY POWER. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
30 D	RECEPTACLE, DRYER: NEMA 14-30R.
31 R	RECEPTACLE, RANGE: NEMA 14-50R.
32 C	RECEPTACLE, CLOCK HANGER: NEMA 5-15R.
33 J	MULTI-OUTLET ASSEMBLY: NEMA 5-20R.
34 D	DROP CORD. SEE DETAIL.
35 T	THERMOSTAT.
36 FB#	FLUSH FLOOR BOX. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
37 PP#	POWER POLE. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
38 PT#	FLUSH FIRE RATED POKE THRU. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
39	SWITCH, DIMMER.
40 X $	SWITCH, SINGLE POLE ("x" INDICATES FIXTURES CONTROLLED).
41 X $2	SWITCH, DOUBLE POLE ("x" INDICATES FIXTURES CONTROLLED).
42 X $3	SWITCH, THREE-WAY ("x" INDICATES FIXTURES CONTROLLED).
43 X $4	SWITCH, FOUR-WAY ("x" INDICATES FIXTURES CONTROLLED).
44 $DS	SWITCH, DOOR.
45 $K	SWITCH, KEY OPERATED.
46 $LM	SWITCH, LOW VOLTAGE MASTER.
47 $M	SWITCH, MOMENTARY.
48 $OS	SWITCH, OCCUPANCY SENSOR.
49 $P	SWITCH, PILOT LIGHT.
50 $T	SWITCH, TIMER OPERATED.
51 $WP	SWITCH, WEATHERPROOF.
52 T	RECEPTACLE, DUPLEX, TAMPER RESISTANT: NEMA 5-20R.
53	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE: NEMA 5-20R.
54	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
55	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, CONNECTED TO UPS: NEMA 5-20R.
56	RECEPTACLE, SINGLE PLEX, WITH USB OUTLET
57	RECEPTACLE, DULEX, RECESSED, NEMA 5-20R, AUTOMATICALLY CONTROLLED THROUGH TIME OR OCCUPANCY BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD)
58	RECEPTACLE, QUADRAPLEX, RECESSED, NEMA 5-20R, AUTOMATICALLY CONTROLLED THROUGH TIME OR OCCUPANCY BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD)
59	INDICATES A RECEPTACLE IS AUTOMATICALLY CONTROLLED THROUGH TIME OR OCCUPANCY BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD)

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
00	**SITE ELECTRICAL AND COMMUNICATIONS UTILITIES**
01 —3ØUP—	ELECTRIC LINE: THIN LINE. 1Ø = SINGLE PHASE, 2Ø = 2-PHASE, 3Ø = 3-PHASE, O = OVERHEAD, U = UNDERGROUND, P = PRIMARY, S = SECONDARY
02	LIGHTNING ARRESTOR.
03	UTILITY POLE.
04	UTILITY, DISTRIBUTION SWITCH OR SWITCHING STATION.
05 E	UTILITY, PRIMARY ELECTRICAL HAND HOLE.
06 M	UTILITY SERVICES, MANHOLE.
07 C	UTILITY, COMMUNICATIONS MANHOLE.
08 E	UTILITY, ELECTRICAL MANHOLE.
09 T	UTILITY, TELEPHONE MANHOLE.
10 C	PRECAST CONCRETE, COMMUNICATION VAULT.
11 E	PRECAST CONCRETE, ELECTRICAL VAULT.
12 T	PRECAST CONCRETE, TELEPHONE VAULT.
13 TM	PRECAST CONCRETE, MANHOLE, TRANSFORMER VAULT.
14 TP	PRECAST CONCRETE, TRANSFORMER PAD.
15 H	HAND HOLE.
16 S	SUBSTATION.
17 T	TRANSFORMER.
00	**ELECTRICAL POWER AND DISTRIBUTION**
01	FUSE WITH RATING (ONE-LINE DIAGRAM).
02	DISCONNECT, FUSED (ONE-LINE DIAGRAM).
03	DISCONNECT, NONFUSED (ONE-LINE DIAGRAM).
04	DISCONNECT WITH FUSE AND MOTOR STARTER COMBINATION (ONE-LINE DIAGRAM).
05	OVERLOAD RELAY (ONE-LINE DIAGRAM).
06	STARTER (ONE-LINE DIAGRAM).
07	CIRCUIT BREAKER, MOLDED CASE (ONE-LINE DIAGRAM).
08	CIRCUIT BREAKER, MOLDED CASE WITH SHUNT TRIP (ONE-LINE DIAGRAM).
09 MCP	CIRCUIT BREAKER, MOTOR CIRCUIT PROTECTION (ONE-LINE DIAGRAM).
10	CIRCUIT BREAKER, SOLID STATE (ONE-LINE DIAGRAM).
11 GFP	CIRCUIT BREAKER, SOLID STATE WITH GROUND FAULT PROTECTION (ONE-LINE DIAGRAM).
12	MOTOR.
13 L	COMBINATION RESIDENTIAL EXHAUST FAN/LIGHT.
14 F	EXHAUST FAN OUTLET.
15	HEATER, ELECTRIC RESISTANCE.
16	TRANSFORMER (ONE-LINE DIAGRAM).
17	TRANSFORMER, CURRENT (ONE-LINE DIAGRAM).
18	BATTERY (ONE-LINE DIAGRAM).
19	CAPACITOR (ONE-LINE DIAGRAM).
20	DELTA CONNECTION (ONE-LINE DIAGRAM).
21	WYE CONNECTION (ONE-LINE DIAGRAM).
22 "1H"	PANELBOARD (ONE-LINE DIAGRAM).
23 225/3 "1H"	PANELBOARD WITH MAIN LUGS ONLY. BUS SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
24 225/3 "1H"	PANELBOARD WITH MAIN CIRCUIT BREAKER. SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
25 225/3 "1H" 60/3	PANELBOARD WITH MAIN AND SUB FEED CIRCUIT BREAKER (ONE-LINE DIAGRAM).
26 225/3 "1H" 25/3	PANELBOARD WITH MAIN LUGS ONLY AND SURGE PROTECTION WITH CIRCUIT BREAKER (ONE-LINE DIAGRAM).

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
00	**ELECTRICAL POWER AND DISTRIBUTION**
30	CT CABINET PER UTILITY'S REQUIREMENTS (ONE-LINE DIAGRAM).
31	TRANSFER SWITCH (ONE-LINE DIAGRAM).
32 DMM	DIGITAL MULTIMETER (ONE-LINE DIAGRAM).
33	SERVICE ENTRANCE SURGE PROTECTION (ONE-LINE DIAGRAM).
34 G	GENERATOR, ANNUNCIATOR (ONE-LINE DIAGRAM).
35 G	GENERATOR, POWER (ONE-LINE DIAGRAM).
36 M	METER.
37 BBF	BROAD BAND FILTER (ONE-LINE DIAGRAM).
38 VFC VFD	VARIABLE FREQUENCY MOTOR CONTROLLER (ONE-LINE DIAGRAM).
39	DIODE (ONE-LINE DIAGRAM).
40	AERIAL SERVICE WEATHER HEAD (ONE-LINE DIAGRAM).
41	DISCONNECT SWITCH, FUSED.
42	DISCONNECT SWITCH, UNFUSED.
43	STARTER, COMBINATION WITH DISCONNECT SWITCH.
44	STARTER OR MOTOR CONTROLLER.
45	PUSHBUTTON.
46	PUSHBUTTONS, MOTOR CONTROL.
47	PANELBOARD CABINET, FLUSH MOUNTED.
48	PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.
49	PANELBOARD CABINET, SURFACE MOUNTED, 2 SECTION.
50 DP#__	DISTRIBUTION PANEL OR SWITCHBOARD.
51 LP	LIGHTING RELAY, CONTACTOR PANEL, OR DIMMING ENCLOSURE.
52	LIGHTING CONTROL STATION.
53	DIMMING ENTRY STATION OR CONTROL STATION, FLUSH MOUNTED.
54	CENTRAL PROCESSOR UNIT.
55 $ST	SWITCH, TOGGLE MOTOR STARTER WITH OVERLOAD PROTECTION.
56 75	TRANSFORMER: NUMBER INDICATES kVA.
57 B B	BUSWAY.
58 T T	DUCT, TROLLEY.
59	RELAY CONTACT, NORMALLY CLOSED (ONE-LINE DIAGRAM).
60	RELAY CONTACT, NORMALLY OPEN (ONE-LINE DIAGRAM).
61	PUSHBUTTON, NORMALLY CLOSED (ONE-LINE DIAGRAM).
62	PUSHBUTTON, NORMALLY OPEN (ONE-LINE DIAGRAM).
63	PRESSURE SWITCH, CLOSE ON INCREASE (ONE-LINE DIAGRAM).
64	PRESSURE SWITCH, OPEN ON INCREASE (ONE-LINE DIAGRAM).
65	SWITCH, NORMALLY CLOSED FLOAT (ONE-LINE DIAGRAM).
66	SWITCH, NORMALLY OPEN FLOAT (ONE-LINE DIAGRAM).
67	SWITCH, NORMALLY CLOSED LIMIT (ONE-LINE DIAGRAM).
68	SWITCH, NORMALLY OPEN LIMIT (ONE-LINE DIAGRAM).
69	SWITCH, NORMALLY CLOSED TEMPERATURE ACTIVATED (ONE-LINE DIAGRAM).
70	SWITCH, NORMALLY OPEN TEMPERATURE ACTIVATED (ONE-LINE DIAGRAM).
71	SWITCH, NORMALLY CLOSED TIME DELAY (ONE-LINE DIAGRAM).
72	SWITCH, NORMALLY OPEN TIME DELAY (ONE-LINE DIAGRAM).
73	SWITCH, NORMALLY CLOSED FOOT OPERATED (ONE-LINE DIAGRAM).
74	SWITCH, MULTIPOSITION (ONE-LINE DIAGRAM).
75	SWITCH, SINGLE BREAK (ONE-LINE DIAGRAM).
76	SPECIALIZED TRANSFER SWITCH (ONE-LINE DIAGRAM).
77 HC	ACCESSIBLE DOOR ENTRY PUSH PLATE OPERATOR.
78	CIRCUIT BREAKER, DRAW OUT (ONE-LINE DIAGRAM).
79 GESM	GENERATOR ENGINE START MONITORING SYSTEM GENERATOR MODULE (ONE-LINE DIAGRAM).
80 ESM	GENERATOR ENGINE START MONITORING SYSTEM ATS MODULE (ONE-LINE DIAGRAM).
81 PRM	PHASE ROTATION MONITOR (ONE-LINE DIAGRAM).

ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

1P	SINGLE POLE
1PH	SINGLE-PHASE
1WAY	ONE-WAY
2/C	TWO-CONDUCTOR
2WAY	TWO-WAY
3/C	THREE-CONDUCTOR
3WAY	THREE-WAY
4OUT	QUADRUPLE RECEPTACLE OUTLET
4PDT	FOUR-POLE DOUBLE THROW
4PST	FOUR-POLE SINGLE THROW
4W	FOUR-WIRE
4WAY	FOUR-WAY
A	ABOVE COUNTER
AC	ARMORED CABLE
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPERE INTERRUPTING CAPACITY
ALUM	ALUMINUM
AMP	AMPERE
ANN	ANNUNCIATOR
AP	ACCESS POINT (WIRELESS DATA)
AR	AS REQUIRED
ASC	AMPS SHORT CIRCUIT
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAGE
BB XFMR	BUCK-BOOST TRANSFORMER
C	CEILING MOUNTED
CATV	COMMUNITY ANTENNA TELEVISION
CB	CIRCUIT BREAKER
CCBA	CUSTOM COLOR AS SELECTED BY ARCHITECT
CCTV	CLOSED CIRCUIT TELEVISION
CF/CI	CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED
CF/OI	CONTRACTOR FURNISHED/ OWNER INSTALLED
CFBA	CUSTOM FINISH AS SELECTED BY ARCHITECT
CKT	CIRCUIT
CM	CONSTRUCTION MANAGER
CND	CONDUIT
CO	CONVENIENCE OUTLET
COR	CONTRACTING OFFICER'S REPRESENTATIVE
CP	CONTROL PANEL
CT	CURRENT TRANSFORMER
CTV	CABLE TELEVISION
CU	COPPER
dBA	UNIT OF SOUND LEVEL
DPDT	DOUBLE POLE, DOUBLE THROW
DS	DISCONNECT SWITCH
EA	EACH
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ENT	ELECTRIC NONMETALLIC TUBING
EPO	EMERGENCY POWER OFF
EQUIP	EQUIPMENT
EX	EXISTING
F	FURNITURE MOUNTED
FA	FIRE ALARM
FCP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPS
FMC	FLEXIBLE METAL CONDUIT
FOB	FREIGHT ON BOARD
FVNR	FULL VOLTAGE NON-REVERSING
FVR	FULL VOLTAGE REVERSING
GEN	GENERATOR
GFCI	GROUND FAULT INTERRUPTER
GFP	GROUND FAULT PROTECTION
GND	GROUND
HD	HEAVY DUTY
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HP	HORSE POWER
HPF	HIGH POWER FACTOR
HPS	HIGH PRESSURE SODIUM
HV	HIGH VOLTAGE
HZ	HERTZ
I/O	INPUT/ OUTPUT
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
IN/IS	INSULATED/ ISOLATED
IR	INFRARED
J-BOX	JUNCTION BOX
kV	KILOVOLT
kVA	KILOVOLT AMPERE
kVAR	KILOVOLT AMPERE REACTIVE
kW	KILOWATT
kWh	KILOWATT HOUR
LED	LIGHT EMITTING DIODE
LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT
LFNC	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
LPS	LOW PRESSURE SODIUM
LRA	LOCKED ROTOR AMPS
LTG	LIGHTING
LV	LOW VOLTAGE
MATV	MASTER ANTENNA TELEVISION SYSTEM
MAX	MAXIMUM
MC	METAL CLAD
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTION
MDP	MAIN DISTRIBUTION PANEL
MG	MOTOR GENERATOR
MH	MANHOLE
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MTS	MANUAL TRANSFER SWITCH
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFC	NATIONAL FIRE CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OCP	OVER CURRENT PROTECTION
OF/CI	OWNER FURNISHED/ CONTRACTOR INSTALLED
OF/OI	OWNER FURNISHED/ OWNER INSTALLED
OFP	OBTAIN FROM PLANS
OH DR	OVERHEAD (COILING) DOOR
OL	OVERLOAD
PB	PUSHBUTTON
PF	POWER FACTOR
PH	PHASE
PNL	PANEL
PT	POTENTIAL TRANSFORMER
PTZ	PAN/TILT/ZOOM
QTY	QUANTITY
R	REMOVE
RCP	REFLECTED CEILING PLAN
RMC	RIGID METAL CONDUIT
RNC	RIGID NONMETAL CONDUIT
RPM	REVOLUTIONS PER MINUTE
RR	REMOVE AND RELOCATE
S/S	START/STOP
SCA	SHORT CIRCUIT AMPS
SCBA	STANDARD COLOR AS SELECTED BY ARCHITECT
SF	SQUARE FOOT (FEET)
SFBA	STANDARD FINISH AS SELECTED BY ARCHITECT
SPD	SURGE PROTECTIVE DEVICE
SPDT	SINGLE POLE, DOUBLE THROW
SPEC	SPECIFICATION
SPST	SINGLE POLE, SINGLE THROW
ST	SINGLE THROW
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TL	TWIST LOCK
TP	TELEPHONE POLE
TP	TWISTED PAIR
TTB	TELEPHONE TERMINAL BOARD
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER
TYP	TYPICAL
UF	UNDERFLOOR
UGND	UNDERGROUND
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLTS
VA	VOLT AMPERE
VFC/VFD	VARIABLE FREQUENCY MOTOR CONTROLLER
W/	WITH
W/O	WITHOUT
WP	WEATHERPROOF
XFMR	TRANSFORMER

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 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, ETC...

GENERAL ELECTRICAL NOTES

1. CLARIFICATION METHODS: AT THE TIME OF BIDDING, BIDDERS SHALL FAMILIARIZE THEMSELVES WITH THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS, MISUNDERSTANDINGS, CONFLICTS, DELETIONS, DISCONTINUED PRODUCTS, CATALOG NUMBER DISCREPANCIES, DISCREPANCIES BETWEEN THE EQUIPMENT SUPPLIED AND THE INTENT OR FUNCTION OF THE EQUIPMENT, ETC, SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER IN WRITING FOR CLARIFICATION PRIOR TO ISSUANCE OF THE FINAL ADDENDUM AND BIDDING OF THE PROJECT. WHERE DISCREPANCIES OR MULTIPLE INTERPRETATIONS OCCUR, THE MOST STRINGENT (WHICH IS GENERALLY RECOGNIZED AS THE MOST COSTLY) THAT MEETS THE INTENT OF THE DOCUMENTS SHALL BE ENFORCED.
2. OWNER FURNISHED ITEMS: THE OWNER WILL FURNISH MATERIAL AND EQUIPMENT AS INDICATED IN THE CONTRACT DOCUMENTS TO BE INCORPORATED INTO THE WORK. THESE ITEMS ARE ASSIGNED TO THE INSTALLER AND COSTS FOR RECEIVING, HANDLING, STORAGE, IF REQUIRED, AND INSTALLATION ARE INCLUDED IN THE CONTRACT SUM.
   - A. THE INSTALLER'S RESPONSIBILITIES ARE THE SAME AS IF THE INSTALLER FURNISHED THE MATERIALS OR EQUIPMENT.
   - B. THE OWNER WILL ARRANGE AND PAY FOR DELIVERY OF OWNER FURNISHED ITEMS FREIGHT ON BOARD JOB SITE AND THE INSTALLER WILL INSPECT DELIVERIES FOR DAMAGE. IF OWNER FURNISHED ITEMS ARE DAMAGED, DEFECTIVE OR MISSING, DOCUMENT DAMAGED ITEMS WITH THE TRANSPORT COMPANY AND THE OWNER WILL ARRANGE FOR REPLACEMENT. THE OWNER WILL ALSO ARRANGE FOR MANUFACTURER'S FIELD SERVICES, AND THE DELIVERY OF MANUFACTURER'S WARRANTIES AND BONDS TO THE INSTALLER.
   - C. THE INSTALLER IS RESPONSIBLE FOR DESIGNATING THE DELIVERY DATES OF OWNER FURNISHED ITEMS AND FOR RECEIVING, UNLOADING AND HANDLING OWNER FURNISHED ITEMS AT THE SITE.THE INSTALLER IS RESPONSIBLE FOR PROTECTING OWNER FURNISHED ITEMS FROM DAMAGE, INCLUDING DAMAGE FROM EXPOSURE TO THE ELEMENTS, AND TO REPAIR OR REPLACE ITEMS DAMAGED AS A RESULT OF HIS OPERATIONS.
3. EXPOSED STRUCTURE AREAS (EXCLUDING MECHANICAL, ELECTRICAL, AND COMMUNICATION SPACES): INSTALL RACEWAYS BETWEEN DECK AND STRUCTURE WHEREVER POSSIBLE IN EXPOSED STRUCTURE CEILING AREAS. ROUTE RACEWAYS IN CONCEALED AREAS WHEREVER POSSIBLE. REFER ALL CONDITIONS WHERE RACEWAYS MUST BE INSTALLED WHICH CANNOT COMPLY WITH THESE REQUIREMENTS TO THE ARCHITECT.
4. SUBMITTALS: PROVIDE ORIGINAL ELECTRONIC PDF FORMAT, BOUND, BOOKMARKED (EACH SECTION AND PRODUCT), AND HIGHLIGHTED. JOB NAME AND SUBCONTRACTOR SHALL BE ON THE FRONT COVER. PREPARE INDEX OF EQUIPMENT SUBMITTED IN EACH TAB.
5. REFLECTED CEILING PLANS: COORDINATE THE LOCATION OF LIGHT FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. REFER ALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER.
6. ALL WORK SHALL BE DONE ACCORDING TO THE CURRENT NATIONAL ELECTRIC CODE (NEC), IBC, NFPA, AND IFC. COMPLIANCE AND FINAL APPROVAL IS SUBJECT TO THE ON SITE FIELD INSPECTION OF THE AHJ.

ELECTRICAL SHEET INDEX

VCBO
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LICENSED PROFESSIONAL ENGINEER
No. 185978
PETER E.
JOHANSEN
STATE OF UTAH
08/04/23

REV	DATE	DESCRIPTION

VCBO NUMBER: 20065
DATE: 08-04-2023

INTERMOUNTAIN PARK CITY HOSPITAL - SPORTS PERFORMANCE CLINIC

INTERMOUNTAIN HEALTHCARE
900 ROUND VALLEY DR, PARK CITY, UT 84060
CONSTRUCTION DOCUMENTS

SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTES

EE001-2

SYMBOLS LEGEND

	SYMBOL	DESCRIPTION
00	**LIGHTING**	
01	(W-3)	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
02	(W-3)	FIXTURE IDENTIFICATION, EMERGENCY WITH BATTERY PACK, CONNECTED TO GENERATOR AS INDICATED: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
03	EM	EMERGENCY.
04	NL	NIGHT LIGHT: DO NOT SWITCH.
05		EGRESS DIRECTION ARROW (EXIT SIGNS).
06	LV	LOW VOLTAGE LIGHTING TRANSFORMER.
07		EXIT SIGN: SINGLE FACE; CEILING MOUNTED
08		EXIT SIGN: SINGLE FACE; WALL MOUNTED
09		EXIT SIGN: DOUBLE FACE; CEILING MOUNTED
10		EXIT SIGN: DOUBLE FACE; WALL MOUNTED
00	**LIGHTING CONTROL**	
01		OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
02		OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL.
03		OCCUPANCY SENSOR, DUAL TECHNOLOGY, DIRECTIONAL.
04	U	OCCUPANCY SENSOR, ULTRASONIC, OMNI-DIRECTIONAL, CEILING.
05	R	OCCUPANCY SENSOR CONTROL RELAY.
06		VACANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
07		VACANCY SENSOR, DUAL TECHNOLOGY, WALL.
08	P	PHOTOCELL.
09	TC	TIME CLOCK.
10	HR 1	HOUSE RELAY SCHEDULE INDICATOR.
11	101 1-1-1	LITE TOUCH STATION INDICATOR.
12		CEILING FAN.
13	SP	OCCUPANCY SENSOR, SWITCH PACK.
14		SWITCH/OCCUPANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
15		SWITCH/VACANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
16		DIMMER SWITCH/OCCUPANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
17		DIMMER SWITCH/VACANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
18	a,b	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)
19	DC	DIGITAL LIGHTING DIMMING CONTROLLER
20	LC	DIGITAL PLUG LOAD CONTROLLER
21	LS	LIGHTING NETWORK SWITCH.
22	NR	LIGHTING NETWORK ROUTER.
23	RC	DIGITAL LIGHTING ROOM CONTROLLER
25	SM	LIGHTING NETWORK SEGMENT MANAGER
26	X	LIGHTING SPACE CONTROL TYPE. X INDICATES TYPE. SEE SCHEDULE / DIAGRAM.
00	**STRUCTURED CABLING**	
01	X	TELEPHONE, WALL MOUNTED ("X" INDICATES QUANTITY OF CABLES).
02		DATA CONNECTION: WIRELESS ACCESS POINT (WAP). REQUIRES (2) DATA DROPS PER DEVICE
03	W	TELEPHONE, WALL MOUNTED: WALL PHONE.
04	X	OUTLET, DATA COMMUNICATION ("X" INDICATES QUANTITY OF CABLES).
05		OUTLET, BUILDING STANDARD COMBINATION TELEPHONE/ DATA COMMUNICATION.
06		TWO-WAY EMERGENCY COMMUNICATION DEVICE PER IBC, WALL MOUNTED IN RECESSED BOX.
07		TELEPHONE TERMINAL BOARD, FIRE TREATED PLYWOOD PAINTED.
08		LAN RACK, FLOOR STANDING.
09	D	DATA CABLE, CATEGORY 6A (ONE-LINE DIAGRAM).
10	V	VOICE CABLE, CATEGORY 3 (ONE-LINE DIAGRAM).
00	**STRUCTURED CABLING IHC**	
01		IHC COMMUNICATIONS DEVICE (1 DATA).
02		IHC COMMUNICATIONS DEVICE (1 DATA / 1 ANALOG).
03		IHC COMMUNICATIONS DEVICE (1 DATA WALL PHONE).
04		IHC COMMUNICATIONS DEVICE (2 DATA).
05	3	IHC COMMUNICATIONS DEVICE (3 DATA).
06	4	IHC COMMUNICATIONS DEVICE (4 DATA).
07	6	IHC COMMUNICATIONS DEVICE (6 DATA).
08	M	IHC COMMUNICATIONS DEVICE PHYSIOLOGICAL MONITOR (1 DATA).
09	WAP	IHC COMMUNICATIONS DEVICE WIRELESS ACCESS POINT (2 DATA).

SYMBOLS LEGEND

	SYMBOL	DESCRIPTION
00	**FIRE ALARM**	
01	FSA	FIRE SYSTEM ANNUNCIATOR.
02	FCP	FIRE ALARM CONTROL PANEL, SEMI-RECESSED.
03	FPS	FIRE ALARM NOTIFICATION POWER SUPPLY.
04	FTR	FIRE ALARM TRANSPONDER OR TRANSMITTER.
05	HVA	SMOKE CONTROL PANEL.
06	C	AUTOMATIC DOOR CLOSERS: DOOR CLOSERS SHALL BE FURNISHED WITH DOOR HARDWARE AND CONNECTED TO BY FIRE ALARM INSTALLERS.
07	CM	CONTROL MODULE.
08	MM	MONITOR MODULE.
09	P	FIRE ALARM MANUAL PULL STATION.
10	R	SHUT DOWN RELAY: INSTALL RELAY IN CONTROL CIRCUIT OF EQUIPMENT TO BE CONTROLLED IN THE EVENT OF A FIRE.
11		MAGNETIC DOOR HOLDER.
12	A	FIRE SERVICE OR EMERGENCY TELEPHONE STATION, ACCESSIBLE.
13	H	FIRE SERVICE OR EMERGENCY TELEPHONE STATION, HANDSET.
14	J	FIRE SERVICE OR EMERGENCY TELEPHONE STATION, JACK.
15		DETECTOR, SMOKE.
16	A	DETECTOR, SMOKE WITH AUXILIARY CONTACT.
17	BR	DETECTOR, SMOKE, BEAM RECEIVER.
18	BT	DETECTOR, SMOKE, BEAM TRANSMITTER.
19	E	DETECTOR, SMOKE, ELEVATOR RECALL DESIGNATION.
20	G	DETECTOR, SMOKE WITH GUARD.
21	R	DETECTOR, SMOKE, RESIDENTIAL.
22		DETECTOR, SMOKE, DUCT WITH HOUSING AND SAMPLING TUBE.
23		DETECTOR, HEAT.
24		INDICATOR LAMP.
25		STROBE.
26	75	STROBE. SUBSCRIPT INDICATES CANDELA RATING.
27	WP	ALARM, HORN/SPEAKER, WEATHERPROOF.
28		ALARM, HORN/STROBE, ONE ASSEMBLY.
29	75	ALARM, HORN/STROBE, ONE ASSEMBLY. SUBSCRIPT INDICATES CANDELA RATING.
30	C	ALARM, CHIME/STROBE, ONE ASSEMBLY.
31	G	ALARM, HORN/STROBE WITH GUARD, ONE ASSEMBLY.
32	M	ALARM, MINI HORN/STROBE, ONE ASSEMBLY.
33	E	SPEAKER, EVACUATION.
34	E	SPEAKER, EVACUATION, COMBINATION STROBE.
35		DETECTOR, FLOW SWITCH: FLOW SWITCHES SHALL BE PROVIDED AND INSTALLED WITH FIRE SPRINKLER SYSTEM AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
36		DETECTOR, TAMPER SWITCH WITH VALVE: TAMPER SWITCHES SHALL BE PROVIDED AND INSTALLED WITH FIRE SPRINKLER SYSTEM AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
37	SD	SMOKE DAMPER.
38	FSD	FIRE AND SMOKE DAMPER.
39		BELL (GONG).
40	CO	DETECTOR, CARBON MONOXIDE.
41		DETECTOR, SMOKE/STROBE, RESIDENTIAL.
42	75	ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
43	75	ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
44	75	ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	TWO-WAY COMMUNICATIONS	
	2WA	TWO-WAY COMMUNICATIONS MAIN CONTROL STATION (ANNUNCIATOR)
	RCS	TWO-WAY COMMUNICATIONS REMOTE CALL STATION
		DATA CONNECTION: TWO-WAY EMERGENCY COMMUNICATION SYSTEM.

SYMBOLS LEGEND

	SYMBOL	DESCRIPTION
00	**TECHNOLOGY SYSTEMS**	
01	X	TECHNOLOGY SYSTEM CABLE. SEE SPECIFIC JOB EQUIPMENT LIST FOR APPLICABLE DESIGNATIONS. EXAMPLES: C = CONTROL CABLE G = GROUND CABLE, 10 AWG, 1 CONDUCTOR, GREEN INSULATED M = MICROPHONE CABLE S = SPEAKER CABLE, 70 VOLT SYSTEM Z = SPEAKER CABLE, 8 OHM SYSTEM
02	#	SPEAKER, CEILING MOUNTED.
03	#	SPEAKER, WALL MOUNTED.
04	4	SPEAKER, 4".
05	6	SPEAKER, 6".
06	8	SPEAKER, 8".
07	12	SPEAKER, 12".
08	B	SPEAKER, BLIND MOUNT.
09	E	SPEAKER, EXISTING.
10	H	HORN.
11	HW	HORN, WEATHER RESISTANT.
12	M	SPEAKER, MASKING.
13	R	SPEAKER, RECESSED.
14	S	SPEAKER, SURFACE.
15	XX	SPEAKER, USER DEFINED.
16		SPEAKER, HIGH FREQUENCY.
17		SPEAKER, LOW FREQUENCY.
18		SPEAKER ENCLOSURE (CLUSTER).
19		CALL SWITCH, INTERCOM.
20		MICROPHONE, TABLE OR LECTERN MOUNTED.
21		EQUIPMENT CABINET.
22		MEDIA CONNECTION PLATE.
23		AUDIO/VISUAL OUTLET.
24		SCREEN, PROJECTION, CEILING MOUNTED.
25		PROJECTOR, CEILING MOUNTED.
26	V	VIDEO CONFERENCING CAMERA.
27	CP	CONTROL PANEL.
28	M	MICROPHONE INPUT.
29	M	MICROPHONE INPUT, FLOOR MOUNTED.
30	R	REMOTE CONTROL INPUT.
31	$	POWER SWITCH.
32	S	SPEAKER SWITCH OR INPUT.
33	SV	SOURCE SWITCH/VOLUME CONTROL.
34	T	TAPE RECORD OUTPUT.
35	V	VOLUME CONTROL.
36	HC	HUB CABINET.
37	M	VIDEO MONITOR.
38	ADA	AUDIO DISTRIBUTION AMPLIFIER.
39	APP	AUDIO PATCH PANEL.
40	CP#	CONNECTION PANEL.
41	DVD	DIGITAL VERSATILE DISC (DVD) PLAYER.
42	EP	ASSISTED LISTENING EMITTER PANEL.
43	K	SIGNAL RELAY DPDT WITH SOCKET.
44	LD	LINE DRIVER (VARIZONE DIGITAL PAGING SYSTEM).
45	PAM	POWER AMP MODULE (VARIZONE DIGITAL PAGING SYSTEM).
46	RDA	RGBHV DISTRIBUTION AMPLIFIER.
47	RM	REMOTE CONTROL PANEL.
48	RMS	RGBHV MATRIX SWITCHER.
49	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER, AC LINE CONDITIONER.
50	VCR	VIDEO CASSETTE RECORDER.
51	VDA	COMPOSITE VIDEO DISTRIBUTION AMPLIFIER.
52	VMS	COMPOSITE VIDEO MATRIX SWITCHER.
53	VPP	VIDEO PATCH PANEL.
54	YMS	S-VIDEO MATRIX SWITCHER.
55	PA	AMPLIFIER (ONE-LINE DIAGRAM).
56	PB	POWER BRIDGE (VARIZONE DIGITAL PAGING SYSTEM).
57		TERMINATOR (VARIZONE DIGITAL PAGING SYSTEM).
58		DIODE (ONE-LINE DIAGRAM).
59	I/M	TRANSFORMER, ISOLATION/MATCHING (ONE-LINE DIAGRAM).
60	#W	TRANSFORMER, # WATT (ONE-LINE DIAGRAM).
61		MICROPHONE, HANDHELD (ONE-LINE DIAGRAM).
62	A	AUXILIARY INPUT.
63	IR	INFRARED SENSOR.
64	CP	HDMI FEMALE RECEPTACLE. CONTRACTOR TO RUN HDMI CABLING BETWEEN HDMI RECEPTACLES IN A ROOM.

SYMBOLS LEGEND

	SYMBOL	DESCRIPTION
00	**CLOCK**	
01	C	CLOCK.
02	C G	CLOCK, SURFACE WITH WIRE GUARD.
00	**NURSE CALL**	
01		JUNCTION BOX.
02		CORRIDOR LIGHT.
03	B	BATHROOM PULL CORD STATION.
04	D	DUTY STATION.
05	E	EMERGENCY ASSISTANCE CALL STATION.
06	E CB	EMERGENCY ASSISTANCE CODE BLUE CALL STATION.
07	P	PATIENT STATION.
08	S	STAFF STATION.
09	NCM	TOUCH SCREEN NURSE CALL MASTER STATION.
10	ZLC	ZONE LIGHT CONTROLLER.
11	CU	NURSE CALL AREA CONTROL UNIT & POWER SUPPLIES.
00	**CCTV**	
01	P	CCTV CABLE, POWER.
02	V	CCTV CABLE, VIDEO SIGNAL.
03	CCTV	CCTV HEADEND EQUIPMENT.
04	M	CCTV MONITOR.
05		CCTV CAMERA/ENCLOSURE WITH LENS, TYPICAL. SEE SCHEDULE.
06	PTZ	CCTV CAMERA WITH PAN, TILT AND ZOOM.
07	360°	PANNING CAMERA TRANSVERSE ANGLE.
00	**SECURITY**	
01	X	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE.
02	ACC	ACCESS CONTROL HEADEND EQUIPMENT.
03	CTR	SECURITY CONTROL PANEL.
04	SEC	INTRUSION DETECTION HEADEND EQUIPMENT.
05	#1	CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE.
06	CR	CARD READER.
07	KCR	KEYPAD/CARD READER COMBINATION.
08		DOOR SWITCH, BALANCED MAGNETIC CONTROL.
09	ER	EXIT REQUEST.
10	RL	REMOTE DOOR RELEASE BUTTON.
11		BELL.
12		BUZZER.
13		BUZZER, COMBINATION BELL.
14		SENSOR, BURIED VEHICULAR.
15		SENSOR, GLASS BREAK.
16		SENSOR, VOLUMETRIC.
17	CA	CONTROLLED ACCESS POINT.
18	IC	INTERCOM STATION.
19	IRU	DUAL TECHNOLOGY PASSIVE INFRARED SENSOR AND ULTRASONIC MOTION DETECTOR.
20	IR	PASSIVE INFRARED SENSOR.
21	P	PANIC DURESS SWITCH.
22	U	ULTRASONIC MOTION DETECTOR.
23	AP	ANNUNCIATOR PANEL.
24	MSI	MASTER STATION, INTERCOM.
00	**TV DISTRIBUTION**	
01	T	TV DISTRIBUTION CABLE, INDIVIDUAL DROPS.
02	TR	TV DISTRIBUTION CABLE, TRUNK.
03	CMB	COMBINER.
04	DC	DIRECTIONAL COUPLER.
05	DA	DISTRIBUTION AMPLIFIER (ONE-LINE DIAGRAM).
06	SPL	SPLITTER (ONE-LINE DIAGRAM).
07		TV OUTLET.
08		SATELLITE ANTENNA.
09		TV ANTENNA (ONE-LINE DIAGRAM).
10		TERMINATOR, 75 OHM (TV DISTRIBUTION).

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LICENSED PROFESSIONAL ENGINEER
No. 185978
PETER E. JOHANSEN
08/04/23

REV	DATE	DESCRIPTION

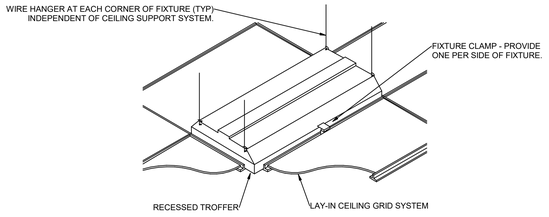
VCBO NUMBER: 20065
DATE: 08-04-2023

INTERMOUNTAIN PARK CITY HOSPITAL - SPORTS PERFORMANCE CLINIC

INTERMOUNTAIN HEALTHCARE
900 ROUND VALLEY DR, PARK CITY, UT 84060
CONSTRUCTION DOCUMENTS

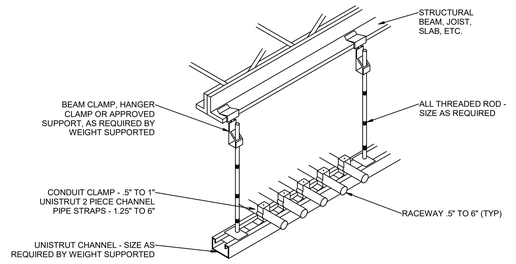
SYMBOLS LEGEND

EE002-2



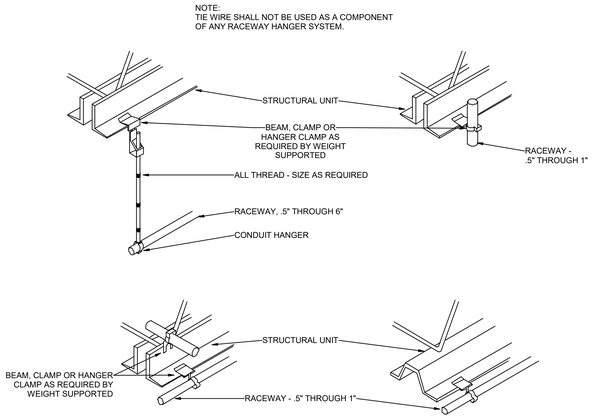
C3 RECESSED FIXTURE MOUNTING DETAIL

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



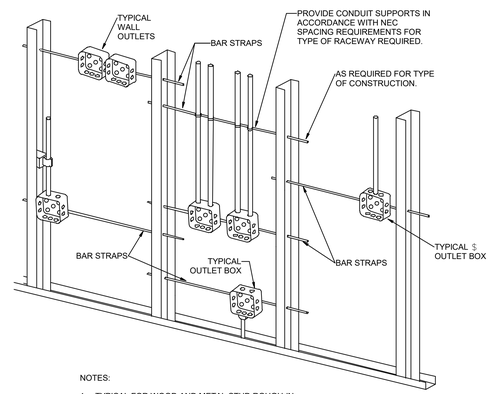
C5 TYPICAL CONDUIT RACK DETAIL

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



A3 TYPICAL RACEWAY SUPPORT METHODS DETAIL

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



NOTES:

1. TYPICAL FOR WOOD AND METAL STUD ROUGH-IN.
2. PLASTER RINGS NOT SHOWN.
3. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND WITH ALL APPLICABLE SHOP DRAWINGS.
4. IN ACCORDANCE WITH IBC 714.3.2 EXCEPTION 1, OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS IN THE SAME STUD SPACE IN A RATED FIRE SEPARATION WALL MUST BE SEPARATED BY A MINIMUM OF 24" HORIZONTAL DISTANCE OR LISTED, SOUND AND FIRE RATED PUTTY PADS SHALL BE USED ON THE OUTLET BOXES.
5. IN NON-RATED WALLS, OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS MUST BE SEPARATED BY 16" FOR SOUND ATTENUATION.

A5 TYPICAL ROUGH-IN REQUIREMENTS DETAIL

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

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LICENSED PROFESSIONAL ENGINEER
No. 185978
PETER E.
JOHANSEN
08/04/23

REV	DATE	DESCRIPTION
2	04/25/22	ADDENDUM #02

VCBO NUMBER: 20065
DATE: 08-04-2023

INTERMOUNTAIN PARK CITY HOSPITAL - SPORTS PERFORMANCE CLINIC

INTERMOUNTAIN HEALTHCARE
900 ROUND VALLEY DR, PARK CITY, UT 84060
CONSTRUCTION DOCUMENTS

ELECTRICAL DETAILS

EE501-2

BIM 360://20065 - Intermountain PKH Sports Performance Center/210392 ELEC CENTRAL.rvt

PANEL: "1L3"

VOLTS/PHASE/WIRE:	PANEL SIZE & TYPE:	MAIN SIZE AND TYPE:	FED FROM:	CABINET:	LOCATION:	NOTES:
120/208V, 3 PH 4 WIRE	22" W x 6" D, BOLT-ON	225 AMPERE		SURFACE	ELEC E-1015	

ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR — **AIC RATING:**

CKT	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	POLE	AMP	NO
1	20	1		0.0	0.0	0.9	CO BREAK ROOM 1330	0.9	1.3				CO HAND THERAPY 1303	1.3	0.0	0.0		1	20	2
3	20	1		0.0	0.0	0.2	CO BREAK ROOM 1330			0.2	0.4		CO HAND THERAPY 1303	0.4	0.0	0.0		1	20	4
5	20	1		0.0	0.0	0.4	CO BREAK ROOM 1330					0.4	0.7	CO HAND THERAPY 1303	0.7	0.0	0.0		1	20	6
7	20	1		0.0	0.2	0.0	POWER ROOM 1316	0.2	0.9					CO PELVIC / NEURO GYM 1302	0.9	0.0	0.0		1	20	8
9	20	1		0.0	0.0	0.4	CO CARDIAC REHAB 1301			0.4	1.1			CO PELVIC / NEURO GYM 1302	1.1	0.0	0.0		1	20	10
11	20	1		0.0	0.0	0.4	CO CARDIAC REHAB 1301					0.4	0.0	SPARE	--	--	--	--	1	20	12
13	20	1		0.0	0.0	0.2	CO CARDIAC REHAB 1301	0.2	0.0					SPARE	--	--	--	--	1	20	14
15	20	1		0.0	0.0	0.4	CO CARDIAC REHAB 1301			0.4	0.0			SPARE	--	--	--	--	1	20	16
17	20	1		0.0	0.0	1.4	CO CARDIAC REHAB 1301					1.4	0.0	SPARE	--	--	--	--	1	20	18
19	20	1		0.0	0.0	0.2	CO PELVIC/NEURO GYM 1302	0.2	0.0					SPARE	--	--	--	--	1	20	20
21	20	1		0.0	0.0	0.5	CO PELVIC/NEURO GYM 1302			0.5	0.0			SPARE	--	--	--	--	1	20	22
23	20	1		0.0	0.0	0.2	CO PELVIC/NEURO GYM 1302					0.2	0.0	SPARE	--	--	--	--	1	20	24
25	20	1		0.0	0.0	1.2	CO NEURO ADA EXAM 1322	1.2	0.0					SPARE	--	--	--	--	1	20	26
27	20	1		0.0	0.0	1.0	CO NEURO EXAM 1321			1.0	0.0			SPARE	--	--	--	--	1	20	28
29	20	1		0.0	0.0	0.9	CO ROOM 1313, 1310, 1320, 1319					0.9	0.0	SPARE	--	--	--	--	1	20	30
31	20	1		0.0	0.0	0.9	CO SPEECH 1311	0.9	0.0					SPARE	--	--	--	--	1	20	32
33	20	1		0.0	0.0	1.0	CO CONCUSSION ADA EXAM 1312			1.0	0.0			SPARE	--	--	--	--	1	20	34
35	20	1		0.0	0.0	1.0	CO CONCUSSION ADA EXAM 1314					1.0	0.0	SPARE	--	--	--	--	1	20	36
37	20	1		0.0	0.0	1.0	CO PELVIC ADA EXAM 1318	1.0	0.0					SPARE	--	--	--	--	1	20	38
39	20	1		0.0	0.0	1.1	CO ROOM 1316, 1317, 1310			1.1	0.0			SPARE	--	--	--	--	1	20	40
41	20	1		0.0	0.0	1.0	CO PELVIC ADA EXAM 1315					1.0	0.0	SPARE	--	--	--	--	1	20	42
43	20	1		0.0	0.0	0.7	CO ROOM E-1031, 1032	0.7	0.0					SPARE	--	--	--	--	1	20	44
45	20	1		0.0	0.0	0.9	CO SHARED WORKSTATIONS...			0.9	0.0			SPARE	--	--	--	--	1	20	46
47	20	1		0.0	0.2	0.0	POWER ROOM 1316					0.2	0.0	SPARE	--	--	--	--	1	20	48
49	20	1		0.0	0.2	0.2	CO OT KITCHEN 1304	0.4	0.0					SPARE	--	--	--	--	1	20	50
51	20	1		0.0	0.0	0.2	CO ROOM 1305, 1300			0.2	0.0			SPARE	--	--	--	--	1	20	52
53	30	2		0.0	0.0	0.0	POWER OT KITCHEN 1304					0.0	0.0	SPARE	--	--	--	--	1	20	54
55	--	--	--	--	--	--	--	0.0	0.0					SPARE	--	--	--	--	1	20	56
57	20	1		0.0	0.0	0.2	CO OT KITCHEN 1304			0.2	0.0			SPARE	--	--	--	--	1	20	58
59	20	1		0.0	0.0	0.4	CO OT KITCHEN 1304					0.4	0.0	SPARE	--	--	--	--	1	20	60
61	20	1		0.0	0.0	0.2	CO OT KITCHEN 1304	0.2	0.0					SPARE	--	--	--	--	1	20	62
63	50	2		0.0	0.0	0.0	POWER OT KITCHEN 1304			0.0	0.0			SPARE	--	--	--	--	1	20	64
65	--	--	--	--	--	--	--					0.0	0.0	SPARE	--	--	--	--	1	20	66
67	20	1		0.0	0.0	0.2	CO OT KITCHEN 1304	0.2	0.0					SPARE	--	--	--	--	1	20	68
69	20	1		0.0	0.0	0.4	CO OT KITCHEN 1304			0.4	0.0			SPARE	--	--	--	--	1	20	70
71	20	1		0.0	0.0	0.7	CO LIVE WELL GYM 1305					0.7	0.0	SPARE	--	--	--	--	1	20	72
73	20	1		0.0	0.0	0.7	CO LIVE WELL GYM 1305	0.7	0.0					SPARE	--	--	--	--	1	20	74
75	20	1		0.0	0.0	1.1	CO ROOM 1305, 1300			1.1	0.0			SPARE	--	--	--	--	1	20	76
77	20	1		0.0	0.0	0.2	CO LIVE WELL GYM 1305					0.2	0.0	SPARE	--	--	--	--	1	20	78
79	20	1		0.0	0.0	0.2	CO LIVE WELL GYM 1305	0.2	0.0					SPARE	--	--	--	--	1	20	80
81	20	1		0.0	0.0	0.7	CO LIVE WELL GYM 1305			0.7	0.0			SPARE	--	--	--	--	1	20	82
83	20	1		0.0	0.0	0.2	CO OT KITCHEN 1304					0.2	0.0	SPARE	--	--	--	--	1	20	84
TOTALS:							CONNECTED kVA PER PHASE	**9**		**9**		**8**		CONNECTED TOTAL kVA =					**26**		
							CONNECTED AMPS PER PHASE	**77**		**80**		**63**		AVERAGE CONNECTED AMPS PER PHASE =					**72**		

NEC DIVERSIFIED LOAD CALCULATIONS

LIGHTING & CONTINUOUS LOADS:
RECEPTACLES: **25.4 kVA @ 70% = 17.7 kVA**
ALL OTHER LOADS @ 100% : **0.6 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 = **18**
AVERAGE AMPS PER PHASE = **51**

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

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08/04/23

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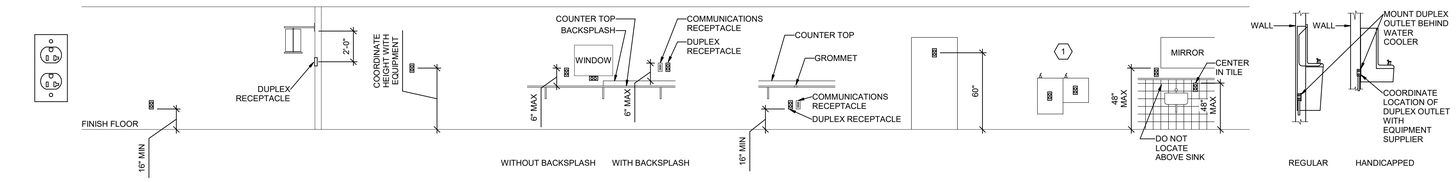
INTERMOUNTAIN PARK CITY HOSPITAL - SPORTS PERFORMANCE CLINIC

INTERMOUNTAIN HEALTHCARE
900 ROUND VALLEY DR, PARK CITY, UT 84060
CONSTRUCTION DOCUMENTS

PANEL SCHEDULES

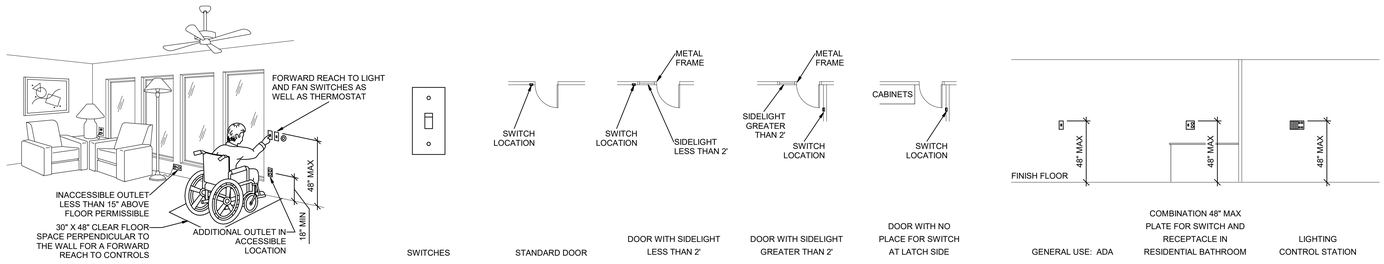
EE601-2



REFER TO ARCHITECTURAL ELEVATIONS FOR PLACEMENT OF OUTLETS.

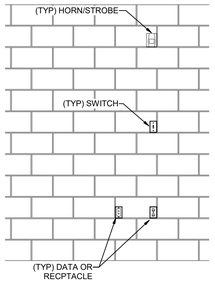
E2 RECEPTACLE MOUNTING DETAILS

SCALE: NTS



D2 ADA DETAIL

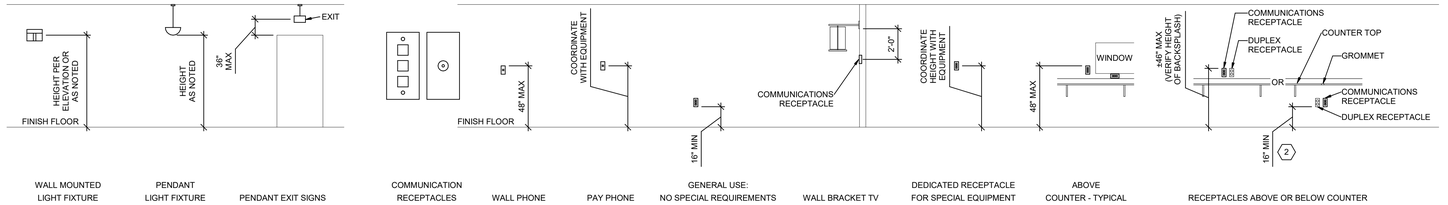
SCALE: NTS



NOTE: ALL DEVICES SHALL BE INSTALLED AND LOCATED IN THE BLOCK CONSISENTLY THROUGH OUT THE BUILDING.

D3 SWITCH MOUNTING DETAILS

SCALE: NTS

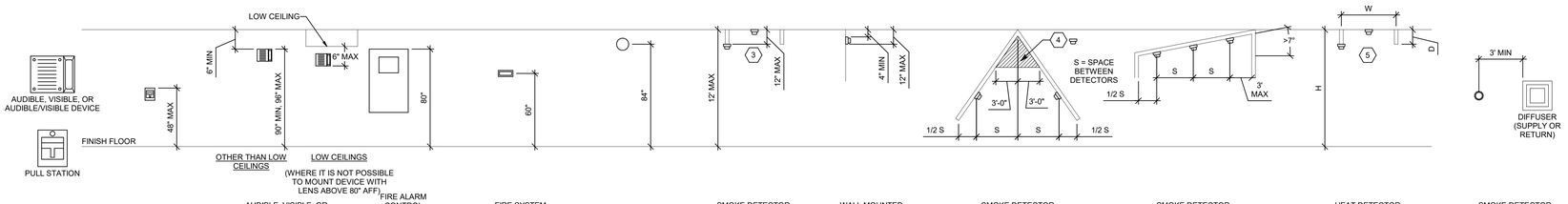


C1 CMU DEVICE MOUNTING ALIGNMENT DETAIL

SCALE: NTS

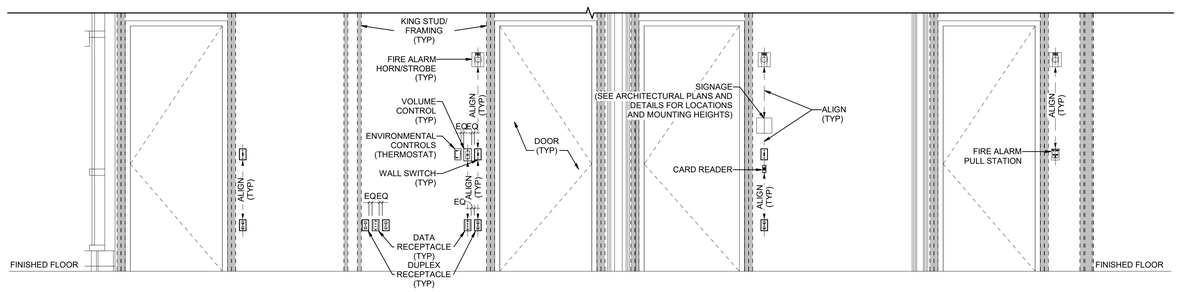
C2 LIGHTING MOUNTING DETAILS

SCALE: NTS



B1 FIRE ALARM MOUNTING DETAILS

SCALE: NTS



A1 BOX MOUNTING DETAILS

SCALE: NTS

A2 TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL

SCALE: NTS

GENERAL SHEET NOTES

1. DETERMINE MOUNTING HEIGHTS OF ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE FOLLOWING ORDER OF PRIORITY:

   1 - ELEVATIONS (ARCHITECTURAL, ELECTRICAL, MECHANICAL, ETC).

   2 - EQUIPMENT SHOP DRAWINGS.

   3 - FIELD INSTRUCTIONS.
2. LOCATE RECEPTACLES SERVING THE SAME TYPE OF USE AT A UNIFORM HEIGHT UNLESS DIRECTED OTHERWISE.
3. 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.
4. MOUNT RECEPTACLE BOXES FOR SWITCHES AND RECEPTACLES WITH LONG AXIS OF THE DEVICE VERTICAL UNLESS OTHERWISE INDICATED.
5. SET BOXES WITH PLASTER RINGS FLUSH WITH FINISHED SURFACE.
6. LOCATE BOX COVERS OR DEVICE PLATES SO THEY WILL NOT SPAN DIFFERENT TYPES OF BUILDING FINISHES EITHER VERTICALLY OR HORIZONTALLY.
7. VERIFY ALL DOOR CONDITIONS ON ARCHITECTURAL DRAWINGS PRIOR TO INSTALLING SWITCHES.
8. LOCATE WIRING DEVICES WHICH ARE ADJACENT AND ARE COMPATIBLE VOLTAGES IN ONE PLATE.
9. 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.

SHEET KEYNOTES

1. LOCATE RECEPTACLES BEHIND DRINKING FOUNTAINS.
2. REFER TO ARCHITECTURAL ELEVATIONS FOR PLACEMENT OF OUTLETS.
3. LOCATE AT BOTTOM OF BEAMS (OR JOISTS) OR AT CEILING. (REDUCE SPACING BY .5 PERPENDICULAR TO BEAM OR JOIST DIRECTION.) FOR OTHER CONDITIONS, REFER TO NFPA 72.
4. LOCATE DETECTOR ANYWHERE IN SHADED AREA BUT NOT IN TOP 4" OF PEAK.
5. LOCATE AT BOTTOM OF BEAMS IF D/H < .1 OR W/H < .4; OTHERWISE, LOCATE IN BEAM POCKET. FOR D > 4 REDUCE SPACING .33 PERPENDICULAR TO BEAMS.

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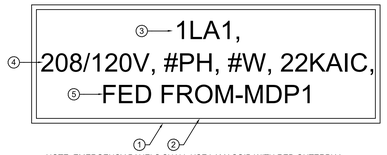
TYPICAL MOUNTING HEIGHT DETAILS

EE701-2

BIM 360://20065 - Intermountain PKH Sports Performance Center/210392 ELEC CENTRAL.rvt

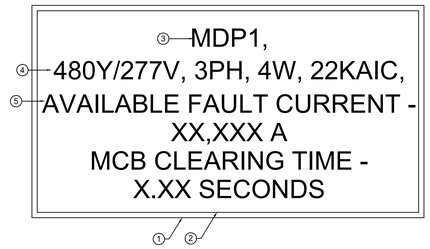
1. LABEL TO BE PROVIDED AT EACH SWITCHBOARD, PANELBOARD, DISCONNECT/STARTER. LABEL IS TO BE 3" X REQUIRED LENGTH X 1/16" LAMINATED 2-PLY PLASTIC LAMACOID. LETTERS SHALL BE FORMED BY ENGRAVING OUTER WHITE PLY, EXPOSING BLACK PLY BENEATH.
2. LABEL IS TO BE MOUNTED USING DOUBLE SIDED ADHESIVE TAPE COVERING THE BACK OF THE LABEL.
3. FIRST LINE: LETTERING IS TO BE 3/8" HIGH, CENTERED, AND FORMATTED AS SHOWN. REPLACE THE LETTER/NUMBER WITH THOSE FOUND ON THE ONE-LINE DIAGRAM.
4. SECOND 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 DEVICE.
5. THIRD LINE: LETTERING IS TO BE 3/8" HIGH, CENTERED, AND FORMATTED AS SHOWN. PROVIDE "FED FROM-" AND REPLACE MDP1 WITH THE DEVICES NAME THAT FEEDS THE PANELBOARD.



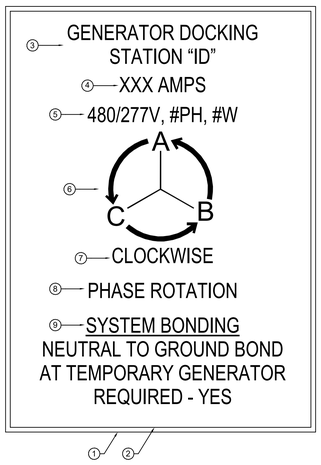
NOTE: EMERGENCY PANELS SHALL USE LAMACOID WITH RED OUTERPLY, EXPOSING WHITE LETTERING BENEATH. CONTRACTOR TO USE SAME LABEL SCHEME EXCEPT FIRST 'X' IS REPLACED WITH 'E' FOR EMERGENCY. SECOND 'X' TO BE 'L' FOR LOW OR 'H' FOR HIGH VOLTAGE (480/277V). LAST '#' TO BE REPLACED WITH LETTER INDICATING LOCATION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

D4 TYPICAL PANELBOARD/SWITCHBOARD LABEL
SCALE: NTS

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, WITH THE EQUIPMENT ID MATCHING PLANS.
4. SECOND 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.
5. THIRD & FOURTH LINE: LETTERING IS TO BE 3/8" HIGH, CENTERED, AND FORMATTED AS SHOWN. LABEL WITH ACTUAL AVAILABLE FAULT CURRENT AND ASSOCIATED CLEARING TIME.



C4 TYPICAL MAIN SERVICE EQUIPMENT/GEAR LABEL
SCALE: NTS



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

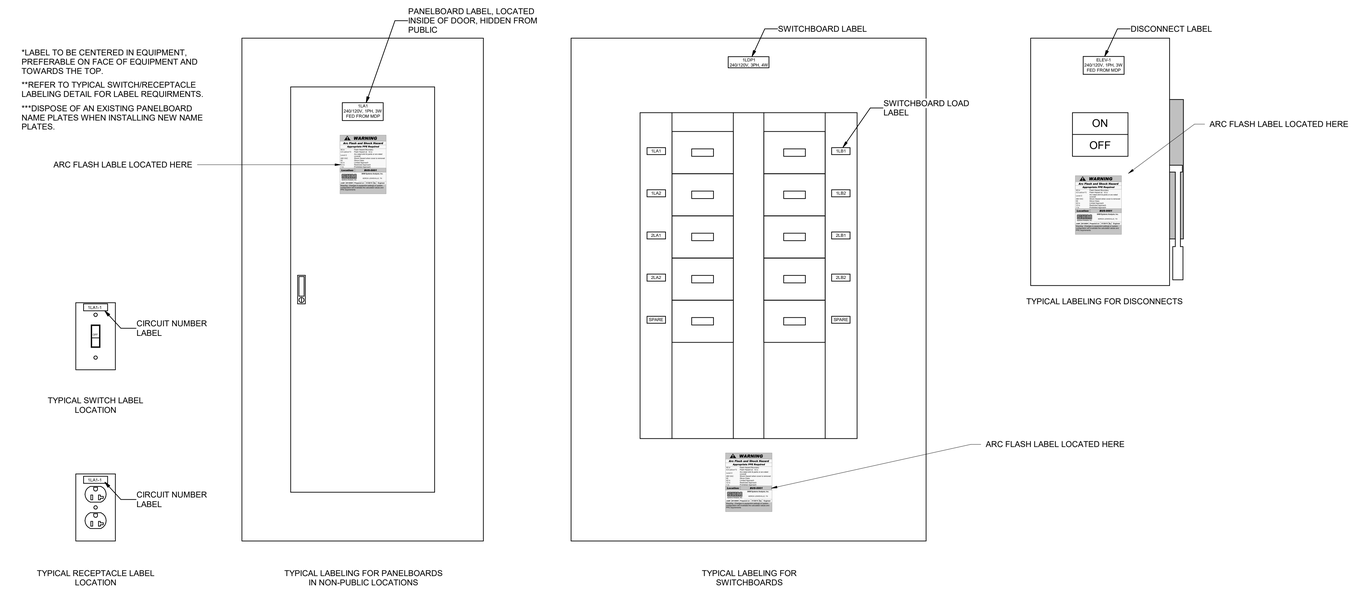
GENERAL NOTES:
- CONTRACTOR SHALL FIELD VERIFY PHASE ROTATION AND APPLY APPROPRIATE LABEL FOR ROTATION.
- LABEL TO BE PERMANENTLY AFFIXED TO EQUIPMENT
- LABEL VALUES TO BE UPDATED FOR ACTUAL EQUIPMENT INSTALLED.

A1 GENERATOR DOCKING STATION LABEL
SCALE: NTS

*LABEL TO BE CENTERED IN EQUIPMENT, PREFERABLE ON FACE OF EQUIPMENT AND TOWARDS THE TOP.

**REFER TO TYPICAL SWITCH/RECEPTACLE LABELING DETAIL FOR LABEL REQUIRMENTS.

***DISPOSE OF AN EXISTING PANELBOARD NAME PLATES WHEN INSTALLING NEW NAME PLATES.



TYPICAL SWITCH LABEL LOCATION

TYPICAL RECEPTACLE LABEL LOCATION

TYPICAL LABELING FOR PANELBOARDS IN NON-PUBLIC LOCATIONS

TYPICAL LABELING FOR SWITCHBOARDS

TYPICAL LABELING FOR DISCONNECTS

A3 TYPICAL SWITCH, RECEPTACLE AND PANELBOARD LABELING LOCATION DETAIL
SCALE: NTS

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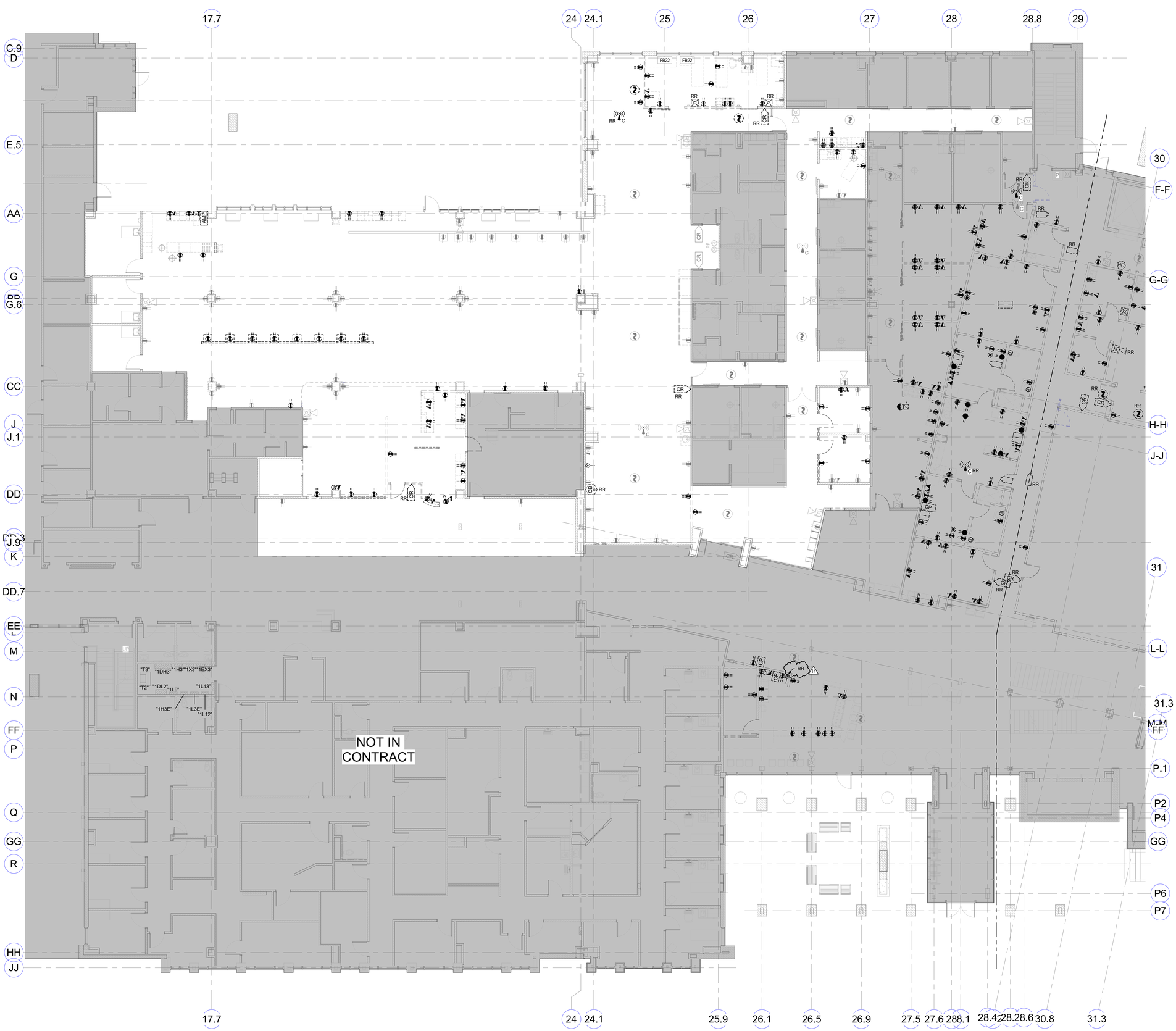
CONSTRUCTION DOCUMENTS

TYPICAL LABELING DETAILS

EE702-2



A1 FIRST FLOOR - AREA 1 - DEMOLITION POWER PLAN (PHASE 2)
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

1 UNLESS NOTED OTHERWISE REMOVE ALL LIGHTING FIXTURES DEVICES AND EQUIPMENT SHOWN DASHED. REMOVE CONDUIT AND WIRING BACK TO PANELBOARD OF ORIGIN OR TO FIRST ACTIVE DEVICE THAT REMAINS.

2 SALVAGE ALL LIGHT FIXTURES, TWIST-LOCK RECEPTACLES AND WALLPLATES, CEILING SPEAKERS AND SECURITY AND FIRE ALARM DEVICES TO OWNER. PROTECT SALVAGED EQUIPMENT FROM DAMAGE.

3 PRIOR TO SUBMITTING BID, VISIT THE SITE AND FIELD VERIFY THE EXTENT OF ELECTRICAL DEMOLITION WORK TO MEET THE INTENT OF THE BID DOCUMENTS AND INCLUDE ALL COSTS IN BID.

4 PRIOR TO REMOVAL OF ANY ELECTRICAL EQUIPMENT OR WIRING, FIELD VERIFY THAT THE EQUIPMENT OR WIRING IS INACTIVE OR NO LONGER IN USE.

5 REMOVE ALL DEVICES, RACEWAYS AND WIRING FROM WALLS TO BE REMOVED. WHERE ACTIVE RACEWAYS OCCUR IN WALLS TO BE REMOVED, RE-ROUTE THE RACEWAY WITH ASSOCIATED WIRING TO KEEP THE CIRCUIT OPERATIONAL.

6 REMOVE ALL FIRE ALARM DEVICES WHERE EXISTING WALLS AND CEILINGS ARE BEING REMOVED, WITH ASSOCIATED CONDUIT AND WIRING. EXISTING FIRE ALARM DEVICES AND SYSTEM NOT INDICATED FOR REMOVAL SHALL REMAIN ACTIVE THROUGHOUT DEMOLITION AND CONSTRUCTION UNTIL THE NEW SYSTEM IS TESTED AND OPERATIONAL. MAINTAIN ALL CLASS A FIRE ALARM INITIATING AND INDICATING LOOPS WHERE EXISTING DEVICES ARE REMOVED.

7 REMOVE ALL ABANDONED RACEWAY, CONDUIT, WIRING AND CABLING WHETHER ABANDONED PREVIOUS TO THIS PROJECT OR AS A RESULT OF THIS PROJECT. NOT ALL ABANDONED ITEMS ARE SHOWN ON THESE PLANS AND FIELD VERIFICATION OF DEMOLITION SCOPE EXTENT IS REQUIRED.

8 DEVICES MARKED "RR" ARE TO BE REMOVED AND RELOCATED PER NEW PLANS. EXTEND CIRCUITING AS REQUIRED FOR RELOCATION.

9 REFER TO ARCHITECTURAL DRAWINGS FOR REMOVAL OF MOTORS, CONDUIT, CONDUCTOR AND CONTROL WIRING ASSOCIATED WITH EXISTING MOTORIZED DOORS, PARTITIONS AND LIGHTING.

10 DEMOLISH ALL WI-FI ACCESS POINTS WHETHER SHOWN ON DRAWINGS OR NOT WITHIN SCOPE OF WORK AREA.

11 REMOVE FEEDERS FOR ALL DEMOLISHED PANELS, DISCONNETS, ETC. BACK TO SOURCE

12 ALL ITEMS INDICATED TO REMAIN SHALL BE PROTECTED DURING ALL PHASES OF CONSTRUCTION.

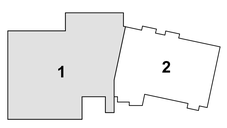
13 CONTRACTOR TO TRACE AND LABEL ALL EXISTING LOADS TO REMAIN, THAT ARE CURRENTLY FED FROM PANELS THAT ARE BEING DEMOLISHED IN THIS PHASE. THESE LOADS TO BE RE-FED FROM NEW PANELS IN NEXT PHASE.

14 ALL HVAC UNITS TO BE REMOVED BY MECHANICAL CONTRACTOR UNLESS NOTED OTHERWISE. REMOVE ALL ASSOCIATED RACEWAYS AND CONDUCTORS BACK TO SOURCE.

15 EXISTING LIGHTING CONTROL SYSTEM IS A COOPER SYSTEM.

SHEET KEYNOTES

KEY PLAN



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REV	DATE	DESCRIPTION
1	04/01/22	ADDENDUM #01
12	11/15/22	PR #012
14	02/22/23	PR #015

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INTERMOUNTAIN PARK CITY HOSPITAL - SPORTS PERFORMANCE CLINIC

INTERMOUNTAIN HEALTHCARE
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CONSTRUCTION DOCUMENTS

FIRST FLOOR - AREA 1 - DEMOLITION POWER PLAN (PHASE 2)

EDP101-2

GENERAL SHEET NOTES

1 UNLESS NOTED OTHERWISE REMOVE ALL LIGHTING FIXTURES DEVICES AND EQUIPMENT SHOWN DASHED. REMOVE CONDUIT AND WIRING BACK TO PANELBOARD OF ORIGIN OR TO FIRST ACTIVE DEVICE THAT REMAINS.

2 SALVAGE ALL LIGHT FIXTURES, TWIST-LOCK RECEPTACLES AND WALLPLATES, CEILING SPEAKERS AND SECURITY AND FIRE ALARM DEVICES TO OWNER. PROTECT SALVAGED EQUIPMENT FROM DAMAGE.

3 PRIOR TO SUBMITTING BID, VISIT THE SITE AND FIELD VERIFY THE EXTENT OF ELECTRICAL DEMOLITION WORK TO MEET THE INTENT OF THE BID DOCUMENTS AND INCLUDE ALL COSTS IN BID.

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5 REMOVE ALL DEVICES, RACEWAYS AND WIRING FROM WALLS TO BE REMOVED. WHERE ACTIVE RACEWAYS OCCUR IN WALLS TO BE REMOVED, RE-ROUTE THE RACEWAY WITH ASSOCIATED WIRING TO KEEP THE CIRCUIT OPERATIONAL.

6 REMOVE ALL FIRE ALARM DEVICES WHERE EXISTING WALLS AND CEILINGS ARE BEING REMOVED, WITH ASSOCIATED CONDUIT AND WIRING. EXISTING FIRE ALARM DEVICES AND SYSTEM NOT INDICATED FOR REMOVAL SHALL REMAIN ACTIVE THROUGHOUT DEMOLITION AND CONSTRUCTION UNTIL THE NEW SYSTEM IS TESTED AND OPERATIONAL. MAINTAIN ALL CLASS A FIRE ALARM INITIATING AND INDICATING LOOPS WHERE EXISTING DEVICES ARE REMOVED.

7 REMOVE ALL ABANDONED RACEWAY, CONDUIT, WIRING AND CABLING WHETHER ABANDONED PREVIOUS TO THIS PROJECT OR AS A RESULT OF THIS PROJECT. NOT ALL ABANDONED ITEMS ARE SHOWN ON THESE PLANS AND FIELD VERIFICATION OF DEMOLITION SCOPE EXTENT IS REQUIRED.

8 DEVICES MARKED "RR" ARE TO BE REMOVED AND RELOCATED PER NEW PLANS. EXTEND CIRCUITING AS REQUIRED FOR RELOCATION.

9 REFER TO ARCHITECTURAL DRAWINGS FOR REMOVAL OF MOTORS, CONDUIT, CONDUCTOR AND CONTROL WIRING ASSOCIATED WITH EXISTING MOTORIZED DOORS, PARTITIONS AND LIGHTING.

10 DEMOLISH ALL WI-FI ACCESS POINTS WHETHER SHOWN ON DRAWINGS OR NOT WITHIN SCOPE OF WORK AREA.

11 REMOVE FEEDERS FOR ALL DEMOLISHED PANELS, DISCONNETS, ETC. BACK TO SOURCE

12 ALL ITEMS INDICATED TO REMAIN SHALL BE PROTECTED DURING ALL PHASES OF CONSTRUCTION.

13 CONTRACTOR TO TRACE AND LABEL ALL EXISTING LOADS TO REMAIN, THAT ARE CURRENTLY FED FROM PANELS THAT ARE BEING DEMOLISHED IN THIS PHASE. THESE LOADS TO BE RE-FED FROM NEW PANELS IN NEXT PHASE.

14 ALL HVAC UNITS TO BE REMOVED BY MECHANICAL CONTRACTOR UNLESS NOTED OTHERWISE. REMOVE ALL ASSOCIATED RACEWAYS AND CONDUCTORS BACK TO SOURCE.

15 EXISTING LIGHTING CONTROL SYSTEM IS A COOPER SYSTEM.

SHEET KEYNOTES

1 RELOCATED EXISTING LIGHTING CONTROL STATION.

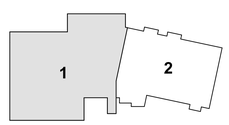
2 REMOVE AND RELOCATE LIGHTING CONTROL STATION FOR GYM.

3 REMOVE AND RELOCATE CORRIDOR LIGHTING CONTROLS.

4 RELOCATE LIGHT SWITCH FOR SHELL SPACE LIGHTING.

5 CONTRACTOR TO REMOVE CABLE TRAY AND PROVIDE NEW J-HOOKS FOR EXISTING CABLES THAT WILL REMAIN. PRESERVE AND PROTECT CABLES THAT ARE TO REMAIN IN THE AREA.

KEY PLAN



A1 FIRST FLOOR - AREA 1 - DEMOLITION LIGHTING PLAN (PHASE 2)
SCALE: 1/8" = 1'-0"

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VCBO ARCHITECTURE

08/04/23

1	04/01/22	ADDENDUM #01
12	11/15/22	PR #012

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FIRST FLOOR - AREA 1 - DEMOLITION LIGHTING PLAN (PHASE 2)

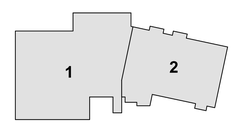
EDL101-2

A1 FIRST FLOOR - OVERALL POWER PLAN
SCALE: 1/16" = 1'-0"

GENERAL SHEET NOTES

SHEET KEYNOTES

KEY PLAN



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LICENSED PROFESSIONAL ENGINEER
No. 185978
PETER E. JOHANSEN
08/04/23

REV	DATE	DESCRIPTION

VCBO NUMBER: 20065
DATE: 08-04-2023

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FIRST FLOOR - OVERALL POWER PLAN (PHASE 2)

EP101-1-2

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NOT IN CONTRACT

A1 FIRST FLOOR - AREA 1 - POWER PLAN (PHASE 2)
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

SHEET KEYNOTES

1 CONNECT TO EXISTING CIRCUIT FEEDING RECEPTACLES.

2 RUN RACEWAY ONLY TO MDP ON GROUND FLOOR FOR FUTURE X-RAY. CB1 IS ALSO TO BE PROVIDED IN A FUTURE PROJECT.

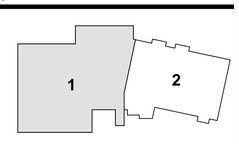
3 PROVIDE A MINIMUM SIZE 3" DEEP BY 6" WIDE WALKERDUCT CHANNEL IN FLOOR BETWEEN PIT/TREADMILL AND STATION CONTROL CABINET.

4 PROVIDE A 480 VOLT 3 PHASE 20A RECEPTACLE (NEMA L16-20R). ALSO PROVIDE A 20/3 AMP BREAKER IN EXISTING BRANCH PANEL.

5 PROVIDE A FSR PWB-100 BEHIND ALL FUTURE TV'S/MONITORS. PROVIDE ROUGH IN ONLY FOR FUTURE POWER, DATA AND HDMI CONNECTION.

B6 ENLARGED COFFEE BAR 1720A POWER PLAN
SCALE: 1/4" = 1'-0"

KEY PLAN



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08/04/23

REV	DATE	DESCRIPTION
1	04/01/22	ADDENDUM #01
2	04/25/22	ADDENDUM #02
7	09/13/22	PR #007
12	11/15/22	PR #012
14	02/22/23	PR #015

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FIRST FLOOR - AREA 1 POWER PLAN (PHASE 2)

EP101-2

GENERAL SHEET NOTES

1. ALL GROUND FAULT PROTECTION IN THE MAIN SERVICE CIRCUIT BREAKER, AND THE CIRCUIT BREAKERS IN MDP MUST BE FIELD TESTED PRIOR TO THE FACILITY BECOMING OPERATIONAL. MEET REQUIREMENTS NOTED IN NEC 230.95(C).

SHEET KEYNOTES

1. PROVIDE NEW CIRCUIT BREAKER IN MDP. GROUNDING CONDUCTOR TO BE SAME SIZE AS CURRENT CARRYING CONDUCTOR.
2. MAIN X-RAY DISCONNECT FURNISHED WITH GE EQUIPMENT.

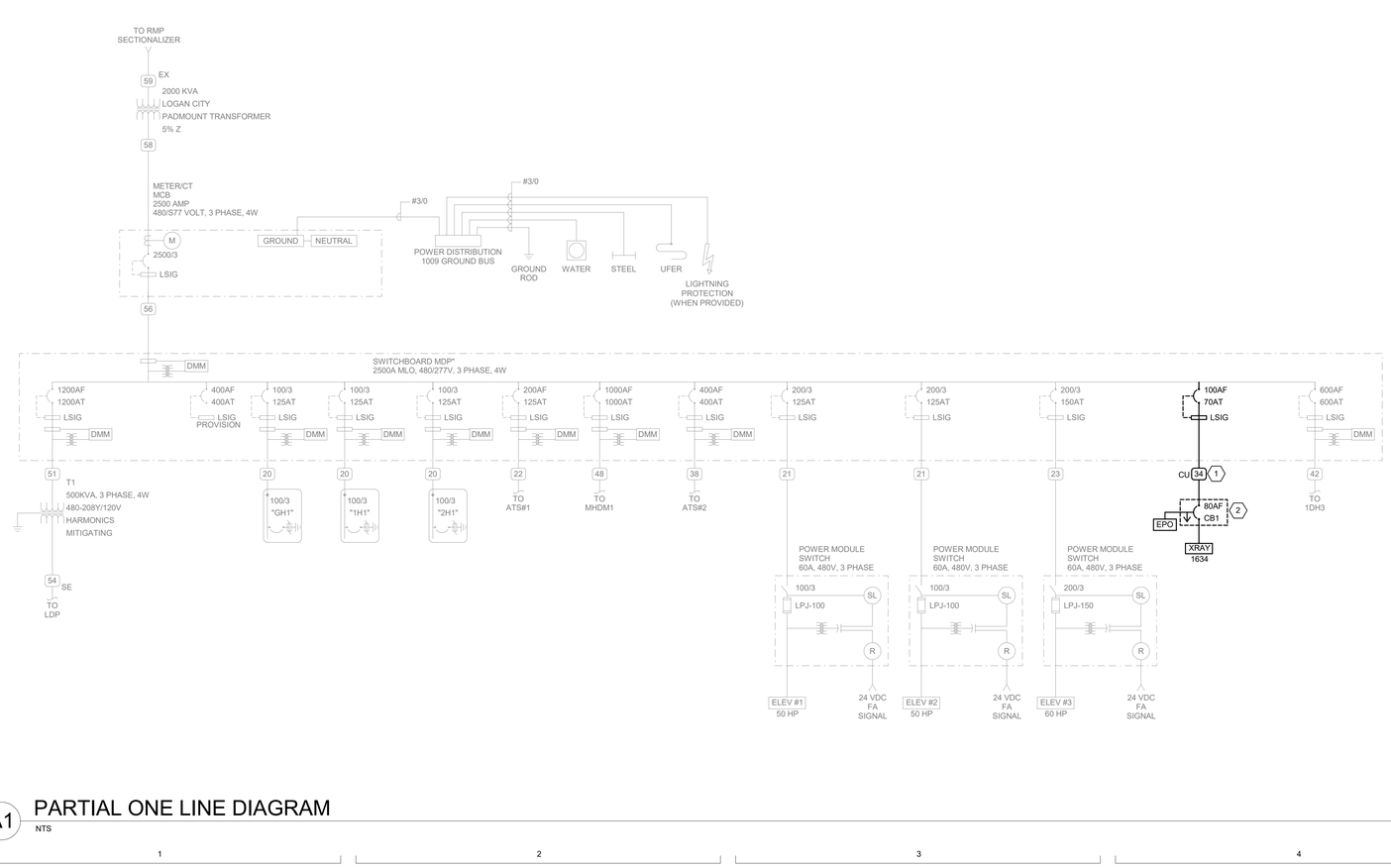
COPPER CONDUCTOR AND CONDUIT SCHEDULE

SCHEDULE NUMBER
SUBSCRIPT (NOTE 5)
(E.G. 5 /G)

SYM	AMP	HH AMPS	CONDUIT SIZE	CONDUCTOR (NOTE 1) QTY	SIZE	G	IG/HH	SE	NOTES
1	20	-	.75	2	12	12	12	8	2
2	20	-	.75	3	12	12	12	8	2,3
3	20	24	.75	4	12	12	12	8	2,3
4	30	-	.75	2	10	10	10	8	2
5	30	-	.75	3	10	10	10	8	2
6	30	32	.75	4	10	10	10	8	2
7	40	-	1	2	8	10	8	6	2
8	40	-	1	3	8	10	8	6	2
9	40	44	1	4	8	10	8	6	2
10	55	-	1	2	6	10	8	4	2
11	55	-	1	3	6	10	8	4	2
12	55	60	1.25	4	6	10	8	4	2
13	70	-	1	2	4	8	4	2	2
14	70	-	1.25	3	4	8	4	2	2
15	70	76	1.25	4	4	8	4	2	2
16	85	-	1.25	2	3	8	3	2	2
17	85	-	1.25	3	3	8	3	2	2
18	85	92	1.25	4	3	8	3	2	2
19	95	-	1.25	3	2	8	2	2	2
20	95	104	1.50	4	2	8	2	2	2
21	130	-	1.50	3	1	6	2	2	2
22	130	116	1.50	4	1	6	2	2	2
23	150	-	2	3	1/0	6	2	1/0	2
24	150	136	2	4	1/0	6	2	1/0	2
25	175	-	2	3	2/0	6	2	2/0	2
26	175	156	2	4	2/0	6	2	2/0	2
27	200	-	2	3	3/0	6	2	2/0	2
28	200	180	2.50	4	3/0	6	2	2/0	2
29	230	-	2.50	3	4/0	4	2	2/0	2
30	230	208	2.50	4	4/0	4	2	2/0	2
31	255	-	2.50	3	250	4	1	2/0	2
32	255	232	2.50	4	250	4	1	2/0	2
33	310	-	3	3	350	3	1/0	3/0	2
34	310	280	3	4	350	3	1/0	3/0	2
35	380	-	3.50	3	500	3	3/0	3/0	2
36	380	344	4	4	500	3	3/0	3/0	2
37	400	-	2 EA 2	3	3/0	3	3/0	3/0	2
38	400	360	2 EA 2.50	4	3/0	3	3/0	3/0	2
39	510	-	2 EA 2.50	3	250	1	4/0	3/0	2
40	510	464	2 EA 3	4	250	1	4/0	3/0	2
41	620	-	2 EA 3	3	350	1/0	4/0	3/0	2,4
42	620	560	2 EA 3	4	350	1/0	4/0	3/0	2,4
43	760	-	2 EA 3.50	3	500	1/0	4/0	3/0	2,4
44	760	688	2 EA 4	4	500	1/0	4/0	3/0	2,4
45	855	-	3 EA 3	3	300	2/0	4/0	3/0	2,4
46	855	768	3 EA 3	4	300	2/0	4/0	3/0	2,4
47	1000	-	3 EA 3.50	3	400	2/0	4/0	3/0	4
48	1000	912	3 EA 3.50	4	400	2/0	4/0	3/0	4
49	1140	-	3 EA 4	3	500	3/0	4/0	3/0	4
50	1140	1032	3 EA 4	4	500	3/0	4/0	3/0	4
51	1240	-	4 EA 3	3	350	3/0	4/0	3/0	4
52	1240	1120	4 EA 3	4	350	3/0	4/0	3/0	4
53	1675	1520	5 EA 4	4	400	4/0	4/0	4/0	4
54	2010	1824	6 EA 4	4	400	250	250	250	4
55	2660	2408	7 EA 4	4	500	350	350	350	4
56	3040	2752	8 EA 4	4	500	500	500	500	4
57	4180	3784	11 EA 4	4	500	500	500	500	4
58	-	-	5 EA 4	-	-	-	-	-	6
59	-	-	5	-	-	-	-	-	6
60	-	-	10 EA 4	-	-	-	-	-	6

CONDUIT AND CONDUCTOR 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. SYMBOL SUBSCRIPTS:
   - "2N": INCLUDE TWO NEUTRAL CONDUCTORS SIZED AS SCHEDULED FOR PHASE AND NEUTRAL CONDUCTORS WHERE THE CONDUCTOR IS #1/0 OR LARGER. INCLUDE A SINGLE 200% RATED CONDUCTOR THAT IS TWICE THE AMPACITY OF THE SCHEDULED PHASE AND NEUTRAL CONDUCTOR WHERE THE CONDCUTOR IS BELOW #1/0 IN SIZE.
   - "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.
   - "SE": SUBSTITUTE "SE" CONDUCTOR FOR "G" CONDUCTOR SHOWN, WHICH IS SIZED FOR THE GROUNDING OF THE SECONDARY OF THE SEPARATELY DERIVED SYSTEM.
6. RACEWAY ONLY. CONDUCTORS PROVIDED BY UTILITY.



A1 PARTIAL ONE LINE DIAGRAM
NTS

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REV	DATE	DESCRIPTION
7	09/13/22	PR #007

VCBO NUMBER: 20065
DATE: 08-04-2023

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PARTIAL ONE LINE DIAGRAM

EP601-2

A1 FIRST FLOOR - AREA 1 - LIGHTING PLAN (PHASE 2)

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

GENERAL SHEET NOTES

SHEET KEYNOTES

1 RE-CIRCUIT TO EXISTING LIGHTING CIRCUIT.

2 CIRCUIT WITH EXISTING EGRESS LIGHTING CIRCUIT .

3 CIRCUIT WITH EXISTING CIRCUIT FEEDING LIGHTING IN ADJACENT SPACE.

4 RELOCATED LIGHTING CONTROLS FOR GYM LIGHTING.

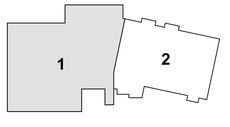
5 RELOCATED LIGHTING CONTROL FOR BACK CORRIDOR LIGHTS.

6 COPPER LIGHTING CONTROL OVERRIDE SWITCH FOR OPEN GYM LIGHTING. PROVIDE DIMMING CONTROLS.

7 CIRCUIT TO EXISTING COOPER LIGHTING CONTROL PANEL LX1.

8 PROVIDE 120 VOLT POWER TO EXAM LIGHT. CIRCUIT WITH RECEPTACLES IN PROCEDURE ROOM.

KEY PLAN



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08/04/23

REV	DATE	DESCRIPTION
1	04/01/22	ADDENDUM #01
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7	09/13/22	PR #007
8	09/19/22	PR #008

VCBO NUMBER: 20065
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FIRST FLOOR - AREA 1 - LIGHTING PLAN (PHASE 2)

EL101-2

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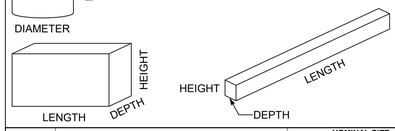
INTERIOR LIGHTING FIXTURE SCHEDULE

ABBREVIATIONS

MOUNTING

B - BASE
C - CEILING
F - FLANGE
G - GRID
P - PENDANT
PL - POLE
R - RECESSED
S - SURFACE
W - WALL



LUMINAIRE OPTIONS

ARHR - AIR RETURN AND HEAT REJECTION
DL - DAMP LOCATION
EQC - EARTHQUAKE CLIPS
F - FUSING
HLD - HINGED AND LATCHED DOOR
HS - HOUSE SIDE SHIELD
PS - PHOTOCELL SWITCH
QRS - QUARTZ RESTRIKE
ST - STATIC
WG - WIRE GUARD
WL - WET LOCATION

FINISH

MW - MATTE WHITE
BL - BLACK
SL - SILVER
GL - GOLD
CL - CLEAR
PW - PAINTED WHITE
EA - EXTRUDED ALUMINUM
S - STEEL
GS - GALVANIZED STEEL
C - CAST
CBA - COLOR BY ARCHITECT
SCBA - STANDARD COLOR BY ARCHITECT
CCA - CUSTOM COLOR BY ARCHITECT
FS 209D - MEETS FEDERAL STANDARD 209D
TP - THERMALLY PROTECTED
FL - FLUSH
R - REGRESS
M - MITERED

DIFFUSER/LENS

#A - ACRYLIC #THICK
#OA - ACRYLIC #THICK (OPAL)
GC - GLASS (CLEAR)
GO - GLASS (OPAL)
GF - GLASS (FROSTED)
SGL - SOFT GLOW LENS
HPL - HIGH PERFORMANCE LENS
DO - DROP OPAL
CGL - CONVEX GLASS LENS
S - SATIN LENS

REFLECTOR

OP - NONE/OPEN
SP - SPECULAR
SS - SEMI-SPECULAR
D - DIFFUSE (WHITE ENAMEL)
SC - SPECULAR (COLORED)
PR - PRISMATIC
FDR - FULL DEPTH REFLECTOR
DS - DIFFUSE (SEMI SPECULAR) SILVER
LI - LOW IRIDESCENT
IR - IRIDESCENT
SL - SILVER
GL - GOLD
CA - CLEAR ALZAK

NOTES

GENERAL NOTES

1. PROVIDE UNIT PRICES AND FIXTURE BRAND SELECTED FOR ADD/DELETE CHANGES FOR EACH FIXTURE TYPES SHOWN WITHIN 48 BUSINESS HOURS OF THE BID DATE. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY DISQUALIFY THE PRODUCTS AND EMPOWER THE ENGINEER TO DETERMINE FAIR VALUE FOR FIXTURE AND INSTALLATION CHANGES, WITHOUT FURTHER INPUT FROM THE CONTRACTOR OR INSTALLER.
2. CONTRACTOR ALLOWANCE PRICES ARE ACCURATE WHEN THIS JOB WAS SPECIFIED, CONTRACTOR AND ELECTRICAL DISTRIBUTOR SHALL VERIFY THIS ALLOWANCE AND REPORT ANY PROBLEMS TO THE ENGINEER BEFORE THE BID. ALLOWANCE PRICE MAY OR MAY NOT INCLUDE LAMP(S) OR FREIGHT AS NOTED, AND DO DO NOT INCLUDE ANY TAXES.
3. SUBSTITUTIONS AND/OR EQUAL FIXTURES MUST RECEIVE APPROVAL PRIOR TO BIDDING, THEY MUST BE SUBMITTED TO THE ENGINEER NO LESS THAN 2 WEEKS PRIOR TO BID OPENING.
4. SAMPLES MUST BE PROVIDED FOR ANY AND ALL FIXTURES UPON A/E REQUEST PRIOR TO RELEASING FIXTURES.
5. ALL FIXTURES SHALL BE LISTED AND APPROVED FOR THEIR INTENDED USE AND LOCATION.
6. VERIFY THE PROPER MOUNTING KITS OR ACCESSORIES TO FACILITATE INSTALLATION AS SHOWN AT EACH LOCATION ON THE DRAWINGS.
7. COMPLY WITH THE "INTERIOR LIGHTING" SECTION OF THE SPECIFICATIONS.
8. REFER TO SPECIFICATIONS FOR IMPORTANT TECHNICAL REQUIREMENTS FOR LIGHTING FIXTURES, DRIVERS, AND LAMPS.
9. ALL LIGHT FIXTURES TO BE EITHER "DLC" OR "LIGHTING FACTS" LISTED OR TO BE APPROVED BY ARCHITECT/ENGINEER AND OWNER.

		NOMINAL SIZE																MANUFACTURER (CATALOG SERIES)		
ID	DESCRIPTION	LENGTH	DEPTH	HEIGHT	DIAMETER/ APERTURE	MOUNTING	TYPE	COLOR TEMP	CRI	DRIVER CONFIGURATION	VOLTAGE	WATTS	FINISH	FIXTURE LUMENS	DIFFUSER/LENS	REFLECTOR	OPTIONS	NOTES	OPTION 1	OPTION 2	OPTION 3
(DX-1)	6" ROUND, RECESSED LED DOWNLIGHT, SEMI-SPECULAR REFLECTOR, WHITE TRIM FINISH	-	-	-	0' - 6"	CR	LED	4000K		0-10V DIMMING (10%)	120/277	19	-	1500			-		GOTHAM (EVO-35/15-6AR-WD-LSS-MVOLT-EZ10)		
(DX-2)	6" ROUND, RECESSED LED DOWNLIGHT, SEMI-SPECULAR REFLECTOR, WHITE TRIM FINISH	-	-	-	0' - 6"	CR	LED	4000K		0-10V DIMMING (10%)	120/277	23	-	2000			-		GOTHAM (EVO-35/20-6AR-WD-LSS-MVOLT-EZ10)		
(DX-4)	6" ROUND, RECESSED LED SHOWER DOWNLIGHT, LENSED, WHITE TRIM FINISH	-	-	-	0' - 6"	CR	LED	4000K		0-10V DIMMING (10%)	120/277	19	-	1500			-		IC04ADJ 40 15 AR T40 LSS 45D UNV GZ1	LITON-LHAJLD415C035UE -DUN T40 L4A471SWF	
(E3-1)	X-RAY IN USE LIGHT	-	-	-	-	UNV	LED					0	-	0			-		KENALL (METMSU MW R X-RAY IN USE DT)	LITHONIA (LQM P W 1 R 120-277 SW16 X-RAY IN USE)	
(E10-1)	EXIT SIGN, EDGE LIT LED ACRYLIC, SINGLE FACE, GREEN LETTERING, BRUSHED ALUMINUM FINISH, UNIVERSAL MOUNTING	-	-	-	-	UNV	LED	GREEN		NO DIMMING	120/277	3		0			AC ONLY		DUAL-LITE (LECDGWA)	EVENLITE (TEX-AC-G-2M)	CHLORIDE (44RLU-2-G)
(E10-2)	EXIT SIGN, EDGE LIT LED ACRYLIC, DUAL FACE, GREEN LETTERING, BRUSHED ALUMINUM FINISH, UNIVERSAL MOUNTING	-	-	-	-	UNV	LED	GREEN		NO DIMMING	120/277	3	-	0			AC ONLY		DUAL-LITE (LECDGWA)		
(G-2)	2' X 4' LED FLAT PANEL, GRID LAY-IN	4' - 0"	2' - 0"	-	-	CR	LED	4000K		0-10V DIMMING (10%)	120/277	50	-	4300			-		VIVIDLEDS (VVDES2450-35-V27-WH-D1)		
(G-3)	2' X 4' LED FLAT PANEL, GRID LAY-IN	4' - 0"	2' - 0"	-	-	CR	LED	4000K		0-10V DIMMING (10%)	120/277	60	-	6700			-		VIVIDLEDS (VVDES2461-35-V27-WH-D1)		
(GS-1)	2' X 2' LED TROFFER, EDGE LIT PANELS, GRID LAY-IN	2' - 0"	2' - 0"	-	-	CR	LED	4000K		0-10V DIMMING (10%)	120/277	29	-	3400			-		METALUX (22EN-LD2-25-UNV-L835-CD1-U)	LEDALITE (4111-D1-ST-L-8B-D-S-7-2-E))	
(GS-2)	2' X 4' LED TROFFER, EDGE LIT PANELS, GRID LAY-IN	4' - 0"	2' - 0"	-	-	CR	LED	4000K		0-10V DIMMING (10%)	120/277	38	-	4300			-		METALUX (24EN-LD2-45-UNV-L835-CD1-U)	LEDALITE (4224-D1-ST-L-8B-D-S-7-2-E)	
(GS-2F)	2' X 4' LED TROFFER, EDGE LIT PANELS, FLANGE MOUNT	4' - 0"	2' - 0"	-	-	CR	LED	4000K		0-10V DIMMING (10%)	120/277	38	-	4300			FLANGE KIT		METALUX (24EN-LD2-45-UNV-L835-CD1-U)	LEDALITE (4224-D1-ST-L-8B-D-S-7-2-E)	
(GS-3)	2' X 4' LED TROFFER, EDGE LIT PANELS, GRID LAY-IN	4' - 0"	2' - 0"	-	-	CR	LED	4000K		0-10V DIMMING (10%)	120/277	38	-	4300			-		METALUX (24EN-LD2-45-UNV-L835-CD1-U)	LEDALITE (4224-D1-ST-L-8B-D-S-7-2-E)	
(NF-4)	4" X 4' LINEAR RECESSED SLOT, GRID MOUNT	4' - 0"	0' - 4"	-	-	CR	LED	4000K		0-10V DIMMING (10%)	120/277	24	-	2000			-		PINNACLE (E4A-835-4'-GX-U-OL1-1-W)		
(NF-4F)	4" X 4' LINEAR RECESSED SLOT, FLANGE KIT	4' - 0"	0' - 4"	-	-	CR	LED	4000K		0-10V DIMMING (10%)	120/277	24	-	2000			-		PINNACLE (E4A-835-4'-GX-U-OL1-1-W)		
(NF-6)	4" X 6' LINEAR RECESSED SLOT, GRID MOUNT	6' - 0"	0' - 4"	-	-	CR	LED	4000K		0-10V DIMMING (10%)	120/277	36	-	3000			-		PINNACLE (E4A-835-6'-GX-U-OL1-1-W)		
(UC-5)		2' - 0"	0' - 4"	-	-		LED	4000K		ELV DIMMING	120/277	8		600					DAY-BRITE (LINCS100E-L28-935-UNV-WHG-DIM)	KENALL (AUCLED-1-MW-11L35K-24-277)	
(WS-2)	2' LED VANITY LIGHT, SATIN CHROME FINISH, 2.25" WIDE	2' - 0"	0' - 2.25"	-	-	WS	LED	4000K		NO DIMMING	120/277	19	-	2000			-		EDGE LIGHT (TW12-S11-1RE-24*-35K-CH)	EUREKA (3541-24"G-LED-17.40-120/277-SC-WH)	LBL (LW496-OP-XX-LED-277)

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LICENSED PROFESSIONAL ENGINEER
No. 185978
PETER E. JOHANSEN
08/04/23

REV	DATE	DESCRIPTION
5	08/04/22	RFI #005
7	09/13/22	PR #007

VCBO NUMBER: 20065
DATE: 08-04-2023

INTERMOUNTAIN PARK CITY HOSPITAL - SPORTS PERFORMANCE CLINIC

INTERMOUNTAIN HEALTHCARE
900 ROUND VALLEY DR, PARK CITY, UT 84060
CONSTRUCTION DOCUMENTS

INTERIOR LIGHTING FIXTURE SCHEDULE

EL601-2

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LIGHTING/SPACE CONTROL TYPE SCHEDULE

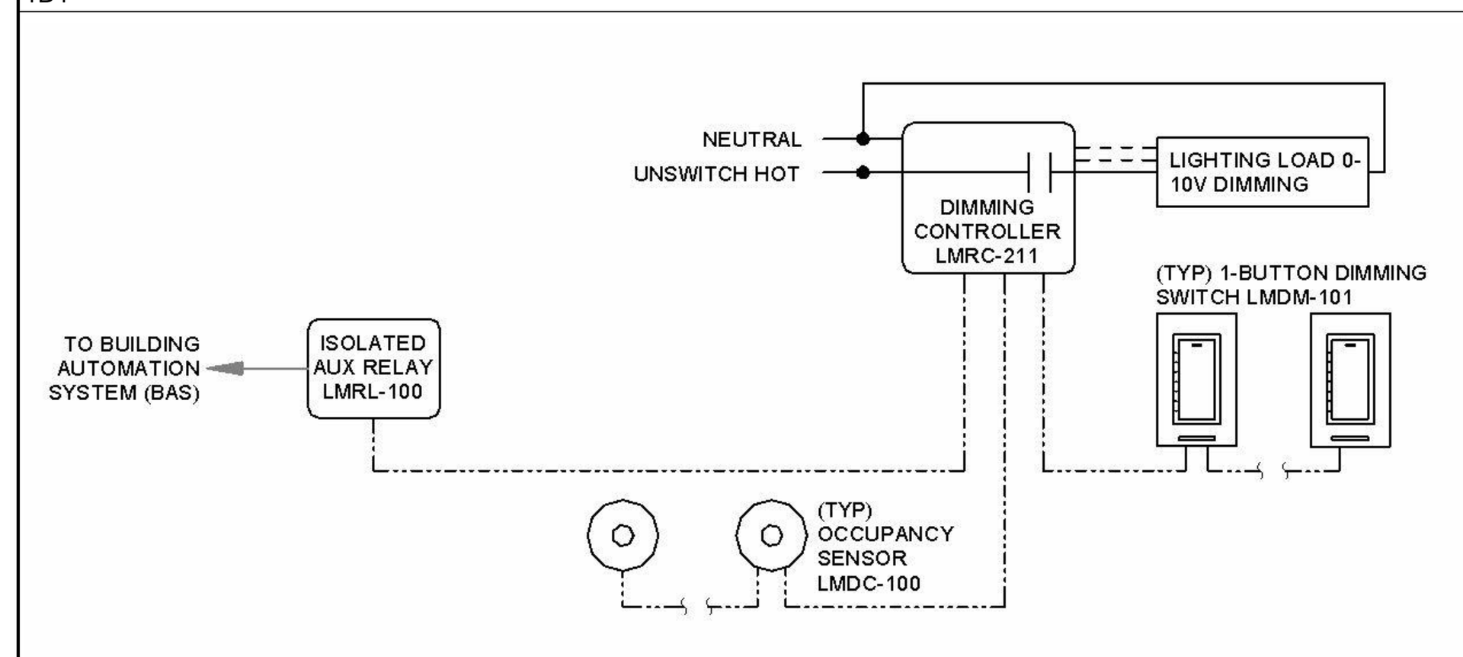
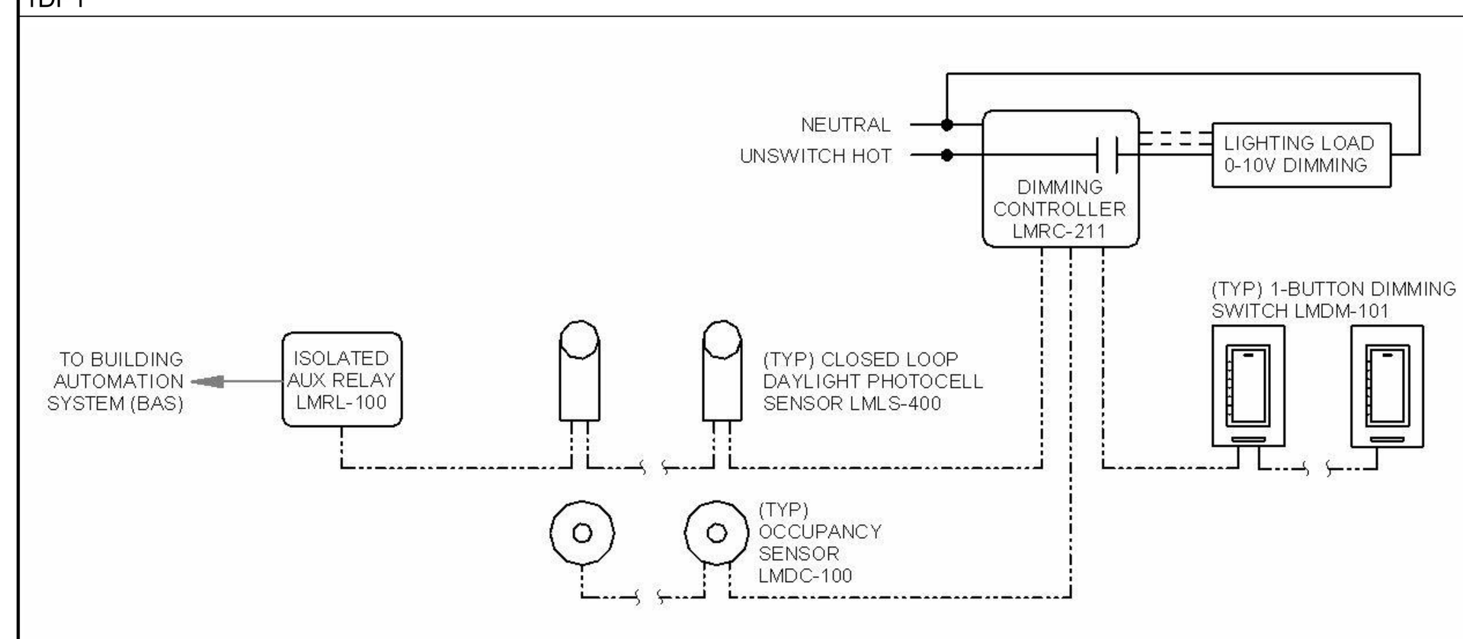
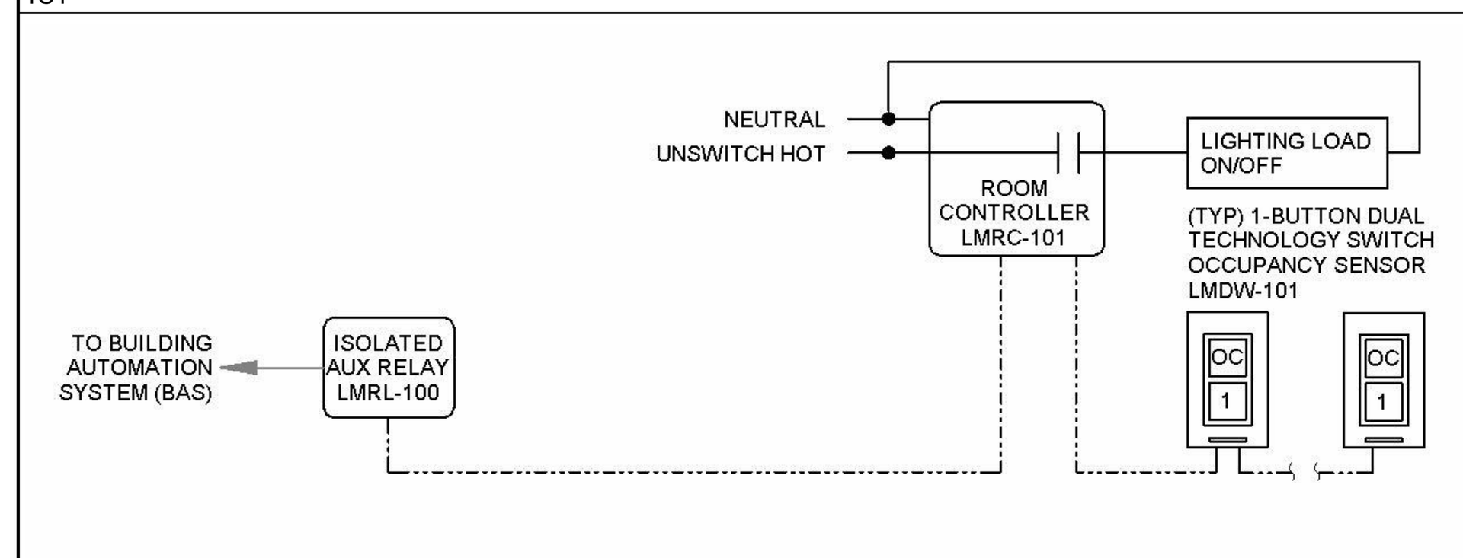
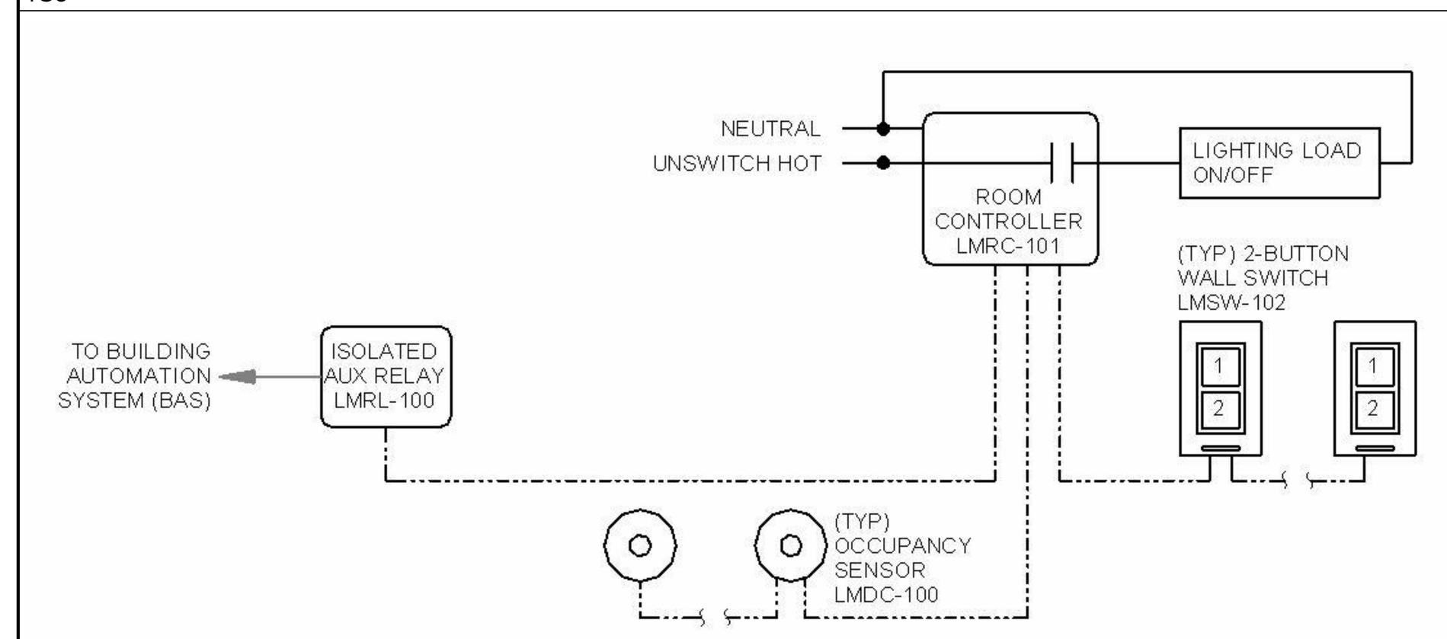
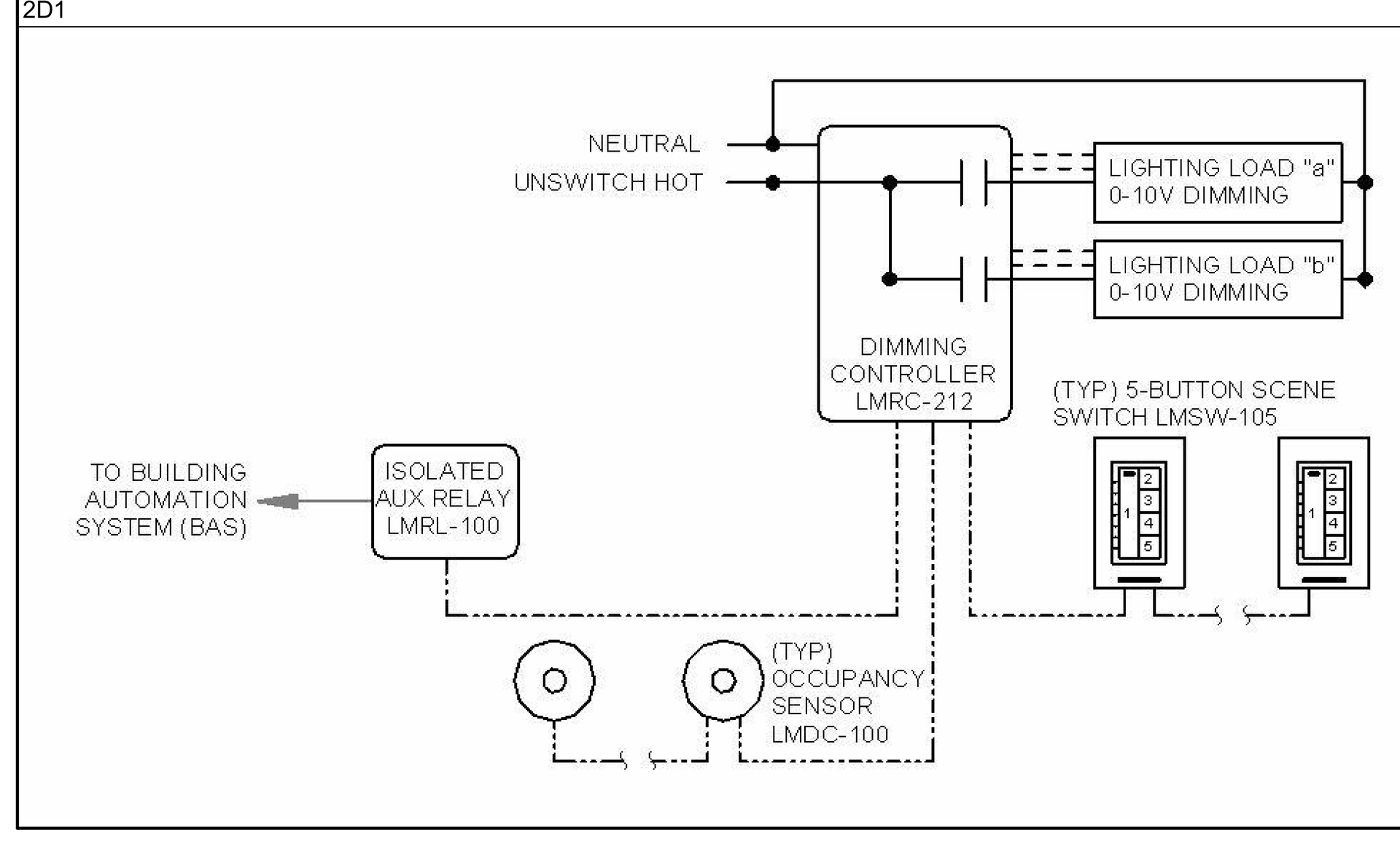
WIRING LEGEND
- LINE VOLTAGE WIRING
- 0-10V WIRING
- CAT5E CABLING
- WIRING BY OTHERS
- TMP SEGMENT NETWORK CABLING

APPROVED MANUFACTURERS
1. WATTSTOPPER (BASIS OF DESIGN)
2. NLIGHT
3. HUBBELL BUILDING AUTOMATION
4. GREENGATE

LIGHTING CONTROL ID
1. # = NUMBER OF ZONES
2. D = DIMMING, S = SWITCHING
3. P = DAYLIGHT PHOTOCELL
4. L = PLUG LOAD CONTROLLER
5. # = INSTANCE

GENERAL NOTES
1. COORDINATE INITIAL PROGRAMMING WITH OWNER AND MODIFY CONTROL TIMES AND OPERATION AS REQUESTED BY OWNER.
2. PROVIDE FINE TUNING PROGRAMMING AND ADJUSTMENTS UPON REQUEST BY OWNER WITHIN FIRST 6 MONTHS AFTER SUBSTANTIAL COMPLETION.
3. PROVIDE CUSTOMIZED ENGRAVED PERMANENT BUTTON LABELS ON EACH SWITCH, LABEL TO MATCH BUTTON LABEL ID OR AS DIRECTED BY OWNER.
4. PART NUMBERS SHOWN ARE BASED ON WATTSTOPPER AS THE BASIS OF DESIGN. ALL APPROVED MANUFACTURERS ARE SUBJECT TO MEETING ALL FUNCTIONS AND CAPABILITIES OF THE BASIS OF DESIGN SYSTEM AND PRODUCTS. FAILURE TO MEET THESE SHALL REQUIRE THE CONTRACTOR TO PROVIDE A SYSTEM THAT DOES AT NOT ADDITIONAL COST.

GENERAL NOTES
5. REFER TO PLANS FOR LOCATIONS AND QUANTITIES OF DEVICES.
6. INSTALL ONE OF EACH CONTROL TYPE WITH PROGRAMMING, ADJUST, AND OBTAIN OWNERS APPROVAL PRIOR TO PROGRAMMING THE REMAINING CONTROLS.
7. WIRING MAY VARY BETWEEN MANUFACTURERS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE REQUIRED WIRING THAT WILL BOTH MEET THE MANUFACTURERS REQUIREMENTS AND MATCH WITH THE SHOWN SYSTEM.
8. PROVIDE COMPLETE SHOP DRAWING SUBMITTALS INCLUDING OCCUPANCY SENSOR LAYOUT AND COVERAGE PATTERNS. PROVIDE ADDITIONAL SENSORS AS REQUIRED FOR 100% COVERAGE OF SPACES WITH OCCUPANCY SENSOR CONTROL.

ID	DETAIL	LIGHTS ON CONTROL	LIGHTS OFF CONTROL	LIGHTING CONTROL TYPE	DAYLIGHT SENSOR SETTING (FC)	TIME DELAY TO OFF (MIN.)	BAS AUX RELAY SIGNAL	PLUG LOAD CONTROLLER	NETWORKED CONTROLS	BUTTON_1	BUTTON_2	BUTTON_3	BUTTON_4	BUTTON_5	BUTTON_6	BUTTON_7	BUTTON_8	BUTTON_9	NOTES
1D1		MANUAL & OCCUPANCY	MANUAL OR OCCUPANCY	DIMMING 0-10V	-	15	RELAY CLOSED ON OCCUPANCY	-	-	FUNCTION: PRESS TOP-ON, HOLD TOP-RAISE LABEL ID: TOP- "ON/RAISE" BOTTOM-"OFF/ LOWER"	-	-	-	-	-	-	-	-	
1DP1		MANUAL & OCCUPANCY	MANUAL OR OCCUPANCY	DIMMING 0-10V	30	15	RELAY CLOSED ON OCCUPANCY	-	-	FUNCTION: PRESS TOP-ON, HOLD TOP-RAISE LABEL ID: TOP- "ON/RAISE" BOTTOM-"OFF/ LOWER"	-	-	-	-	-	-	-	-	
1S1		MANUAL & OCCUPANCY	MANUAL OR OCCUPANCY	ON/OFF	-	15	RELAY CLOSED ON OCCUPANCY	-	-	FUNTION: PRESS-ON PRESS-OFF LABEL ID:"ON/OFF"	-	-	-	-	-	-	-	-	
1S3		MANUAL & OCCUPANCY	MANUAL OR OCCUPANCY	ON/OFF	-	15	RELAY CLOSED ON OCCUPANCY	-	-	FUNCTION: PRESS-ON LABEL ID: "ON"	FUNCTION: PRESS-OFF LABEL ID: "OFF"	-	-	-	-	-	-	-	
2D1		MANUAL & OCCUPANCY	MANUAL OR OCCUPANCY	DIMMING 0-10V	-	15	RELAY CLOSED ON OCCUPANCY	-	-	TOGGLE PRESS TOP-ON, PRESS BOTTOM-OFF, HOLD TOP-RAISE, HOLD BOTTOM-"OFF/ LOWER"	FUNCTION: PRESS- PRESET SCENE #01 ZONE "a" 75% ZONE "b" 75% LABEL ID: "PRE #1"	FUNCTION: PRESS- PRESET SCENE #02 ZONE "a" 0% ZONE "b" 50% LABEL ID: "PRE #2"	FUNCTION: PRESS- SELECT ZONE "a" FOR DIMMING LABEL ID: "ZONE a"	FUNCTION: PRESS- SELECT ZONE "b" FOR DIMMING LABEL ID: "ZONE b"	-	-	-	-	

Detail 1D1:

Detail 1DP1:

Detail 1S1:

Detail 1S3:

Detail 2D1:

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LICENSED PROFESSIONAL ENGINEER No. 185978 PETER E. JOHANSEN 08/04/23

REV	DATE	DESCRIPTION

VCBO NUMBER: 20065
DATE: 08-04-2023

INTERMOUNTAIN PARK CITY HOSPITAL - SPORTS PERFORMANCE CLINIC

INTERMOUNTAIN HEALTHCARE
900 ROUND VALLEY DR, PARK CITY, UT 84060
CONSTRUCTION DOCUMENTS

LIGHTING CONTROL SCHEDULES

EL602-2

CABLE/OUTLET COLOR SCHEDULE

COLOR	TYPE
BLUE	ANALOG PHONE
BLUE	DATA
BLUE	IP SECURITY CAMERAS
ORANGE	CLINICAL ENGINEERING / NURSE CALL
YELLOW	WIRELESS
GREEN	VENDOR NETWORK

COPPER PATCH CORD SCHEDULE

(CATEGORY 6A F/UTP CABLES W/RJ-45 CONNECTORS)

LENGTH (FEET)	COLOR	QUANTITY	UNIT COST (EACH)
5'	BLUE	20% OF TOTAL PORTS IN TDR'S	
7'	BLUE	60% OF TOTAL PORTS IN TDR'S	
10'	BLUE	20% OF TOTAL PORTS IN TDR'S	

STATION PATCH CORD SCHEDULE

(CATEGORY 6A F/UTP CABLES W/RJ-45 CONNECTORS)

LENGTH (FEET)	COLOR	QUANTITY	UNIT COST (EACH)
7'	BLUE	40% OF TOTAL PORTS IN TDR'S	
10'	BLUE	40% OF TOTAL PORTS IN TDR'S	
15'	BLUE	20% OF TOTAL PORTS IN TDR'S	

WIRELESS PATCH CORD PATCH CORD SCHEDULE

(CATEGORY 6A F/UTP W RJ/45 CONNECTORS

LENGTH (METER)	COLOR	QUANTITY	UNIT COST (EACH)
7'	YELLOW	100% OF TOTAL PORTS IN TDR'S	

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.

SYMBOL	ITEM DESCRIPTION	ACCEPTABLE TYPES
	STATION CABLE, DATA - CATEGORY 6A FUTP RISER, DATA, BLUE	SIEMON 9A6R4-A5-06-R1A
	STATION CABLE, DATA - CATEGORY 6A FUTP PLENUM, WIRELESS, YELLOW	SIEMON 9A6P4-A5-05-R1A
	STATION CABLE, DATA - CATEGORY 6A FUTP PLENUM, SECURITY, BLUE	SIEMON 9A6P4-A5-06-R1A
A	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 2 POSITION ("A" = ABOVE COUNTER)	SIEMON 10GMX-FPS02-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	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
C	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 2 POSITION	SIEMON MX-SMZ2-02
	CATEGORY 6A JACK - WIRELESS, YELLOW	SIEMON Z6A-S05
	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 1 POSITION	SIEMON MX-SMZ1-02
	CATEGORY 6A JACK - SECURITY, BLUE	SIEMON Z6A-S06
SPP1	48 PORT, 1RU ANGLE PATCH PANEL WITH OUTLETS	SIEMON Z6AS-PA-48
HWM	HORIZONTAL WIRE MANAGERS, 4RU	PANDUIT NCMHAEF4
VWM	VERTICAL WIRE MANAGERS, DOUBLE SIDED, BLACK, 10" WIDE x 8'-0" HIGH	CHATSWORTH 40096-715
	EQUIPMENT RACK 19" WIDE x 8'-0" HIGH, 52RU, BLACK	CHATSWORTH 55053-715
	CABLE RUNWAY - 12", BLACK WITH ALL REQUIRED MOUNTING ACCESSORIES	CHATSWORTH 10250-712
	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
	TRIANGLE BRACKETS, BLACK	CHATSWORTH 11746-724
	END CLOSING KIT, CABLE RUNWAY, BLACK	CHATSWORTH 11700-724
	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
	TELECOMMUNICATIONS MAIN GROUNDING BUS BAR	-
	TELECOMMUNICATIONS GROUNDING BUS BAR	-

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

GENERAL PROJECT NOTES

1. UNLESS OTHERWISE NOTED, INSTALL ALL CABLE INSIDE 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 IN ALL AIR PLENUMS. IF A PLENUM RATED CABLE IS NOT SPECIFIED, PROVIDE THE PLENUM RATED EQUIVALENT TO THE SPECIFIED CABLE.
3. LABEL ALL CABLE INSTALLED UNDER THIS CONTRACT REGARDLESS OF LENGTH.
4. 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.
5. IF OUTLET IS TERMINATED IN CEILING SPACE, LABEL THE T-BAR GRID WITH THE OUTLET NUMBER FOR EASY LOCATION AND IDENTIFICATION.
6. GROUND ALL EQUIPMENT RACKS INSTALLED UNDER THIS CONTRACT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS.
7. FOR EVERY CABLE PULL SPECIFIED, COIL 15' OF EXCESS CABLE AT THE STATION END FOR FUTURE USE. NEATLY COIL 15' ABOVE THE CEILING OR BELOW FLOOR WHERE APPLICABLE.
8. PROVIDE THE QUANTITY OF PATCH PANELS REQUIRED +20% FOR THE TOTAL DATA OUTLETS SHOWN ON FLOOR PLANS FOR THE PARTICULAR LEVEL.
9. RACK SPACE ALLOCATION SHOULD BE FOLLOWED PER DRAWINGS. IF YOU HAVE A SYSTEM THAT HAS NOT RACK ALLOCATION PLEASE CALL BOE SAUSEDO AT 801-707-3805.
10. ALL DATA LOCATIONS ARE NOT SHOWN IN ET SHEETS. REFER TO ENLARGED POWER PLANS FOR DATA LOCATIONS IF NOT SHOWN ON ET SHEETS.

ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

A	AUGMENTED
CAT	CATEGORY
E	ENHANCED
EA	EACH
ER	EQUIPMENT ROOM
FPP	FIBER PATCH PANEL
GIG	GIGA HERTZ
HWM	HORIZONTAL WIRE MANAGEMENT
NIC	NOT IN CONTRACT
OE	OWNER ELECTRONICS
PNM	PLENUM
PR	PAIR
PS	POWER SUPPLY
RPP	RISER PATCH PANEL
SPP	STATION PATCH PANEL
TC	TELECOMMUNICATIONS ROOM
TYP	TYPICAL
VWM	VERTICAL WIRE MANANGEMENT

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.

APPROVE: 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.

ELECTRONIC SYSTEMS: THE TERM "ELECTRONIC 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 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, ETC...

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LICENSED PROFESSIONAL ENGINEER
No. 185978
PETER E. JOHANSEN
08/04/23

REV	DATE	DESCRIPTION

VCBO NUMBER: 20065
DATE: 08-04-2023

INTERMOUNTAIN PARK CITY HOSPITAL - SPORTS PERFORMANCE CLINIC

INTERMOUNTAIN HEALTHCARE
900 ROUND VALLEY DR, PARK CITY, UT 84060
CONSTRUCTION DOCUMENTS

TELECOM SCHEDULES AND NOTES

ET001-2

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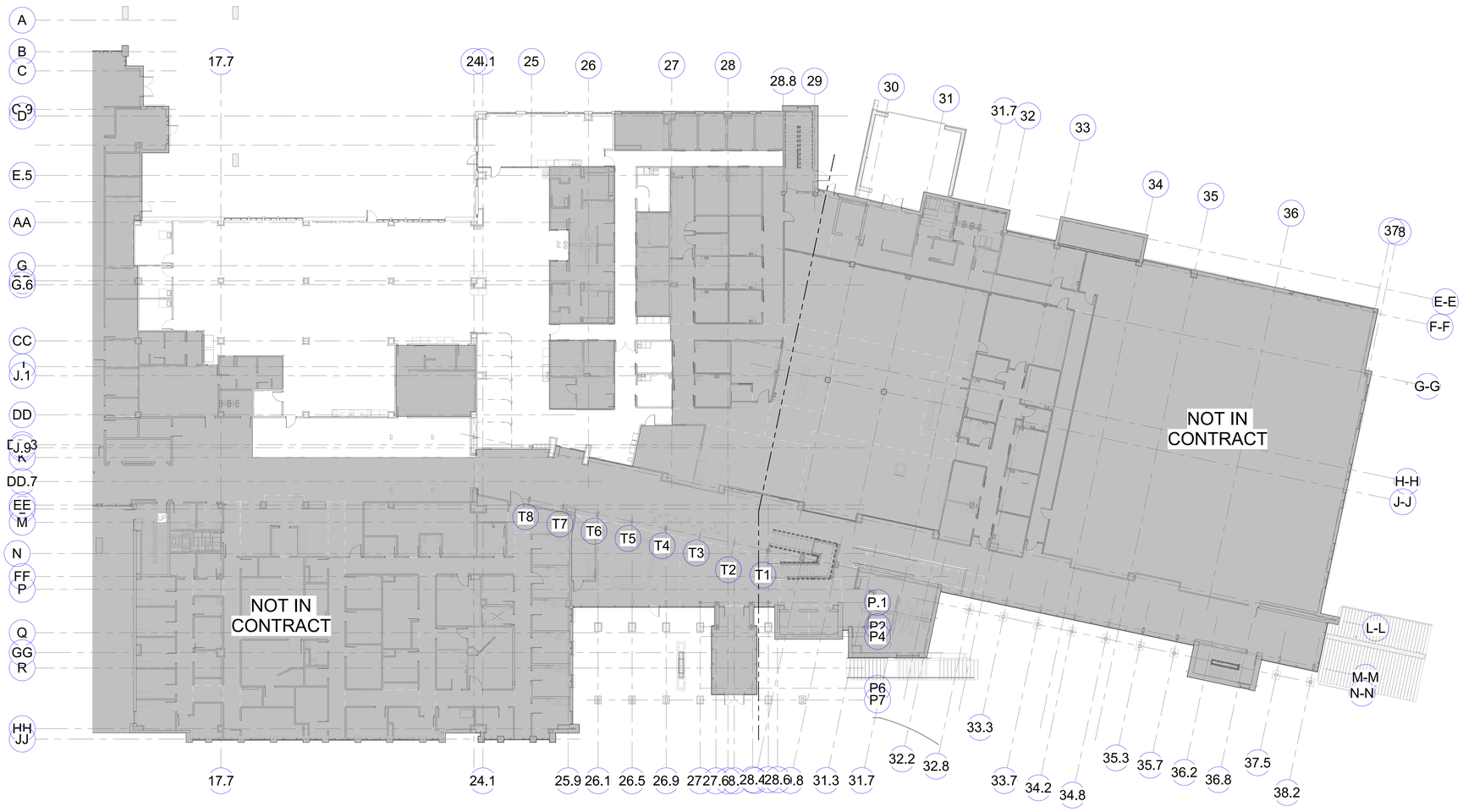
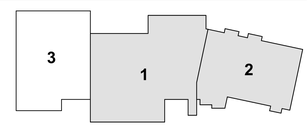


A1 FIRST FLOOR - OVERALL TELECOM PLAN
SCALE: 1/16" = 1'-0"

GENERAL SHEET NOTES

SHEET KEYNOTES

KEY PLAN



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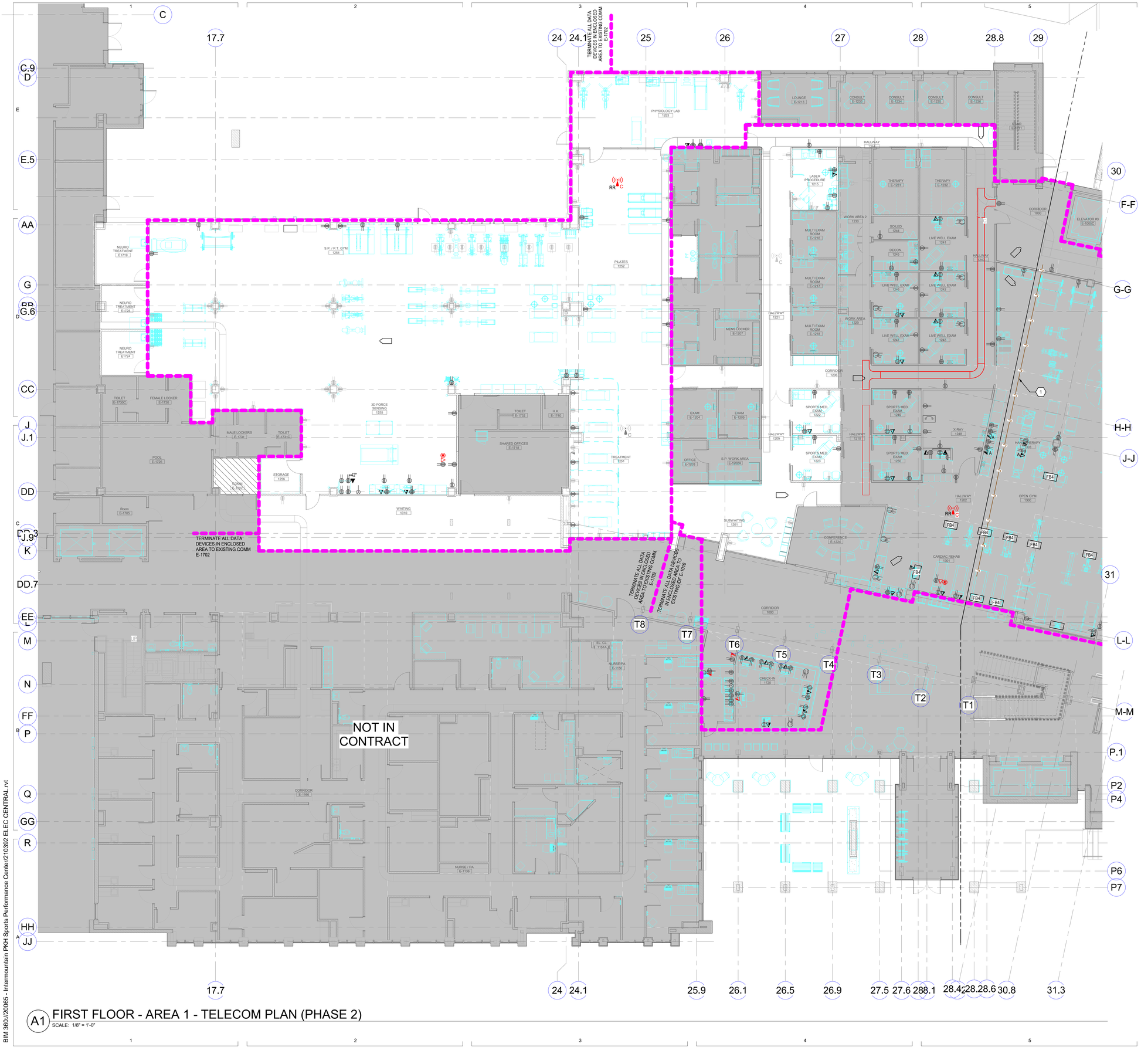
INTERMOUNTAIN PARK CITY HOSPITAL - SPORTS PERFORMANCE CLINIC

INTERMOUNTAIN HEALTHCARE
900 ROUND VALLEY DR, PARK CITY, UT 84060
CONSTRUCTION DOCUMENTS

FIRST FLOOR - OVERALL TELECOM PLAN (PHASE 2)

ET101.1-2

BIM 360://20065 - Intermountain PKH Sports Performance Center/210392 ELEC CENTRAL.rvt



A1 FIRST FLOOR - AREA 1 - TELECOM PLAN (PHASE 2)

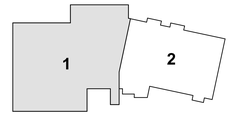
SCALE: 1/8" = 1'-0"

BIM 360://20065 - Intermountain PKH Sports Performance Center/210392 ELEC CENTRAL.rvt

SHEET KEYNOTES

1 CONTRACTOR TO REMOVE CABLE TRAY AND PROVIDE NEW J-HOOKS FOR EXISTING CABLES THAT WILL REMAIN. PRESERVE AND PROTECT CABLES THAT ARE TO REMAIN IN THE AREA.

KEY PLAN



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LICENSED PROFESSIONAL ENGINEER
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08/04/23

REV	DATE	DESCRIPTION
1	04/01/22	ADDENDUM #01
12	11/15/22	PR #012

VCBO NUMBER: 20065
DATE: 08-04-2023

INTERMOUNTAIN PARK CITY HOSPITAL - SPORTS PERFORMANCE CLINIC

INTERMOUNTAIN HEALTHCARE
900 ROUND VALLEY DR, PARK CITY, UT 84060
CONSTRUCTION DOCUMENTS

FIRST FLOOR - AREA 1 - TELECOM PLAN (PHASE 2)

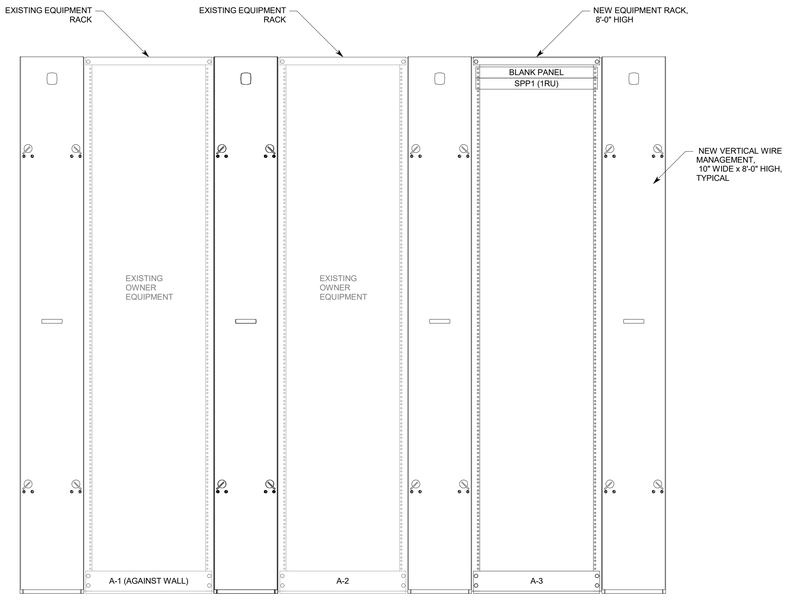
ET101-2

DATA DEVICE DROP SCHEDULE - EX. COMM E-1702

DATA DEVICE TYPE	DETAIL LOCATION	COMM ROOM LOCATION	TOTAL BY FLOOR	Num of Drops
FIRST FLOOR				
CEILING DATA - CAMERA (1-DROP)		COMM E-1702	1	1
WALL DATA (2-DROP)		COMM E-1702	3	6
WALL DATA (3-DROP)		COMM E-1702	1	3
Grand total			5	10

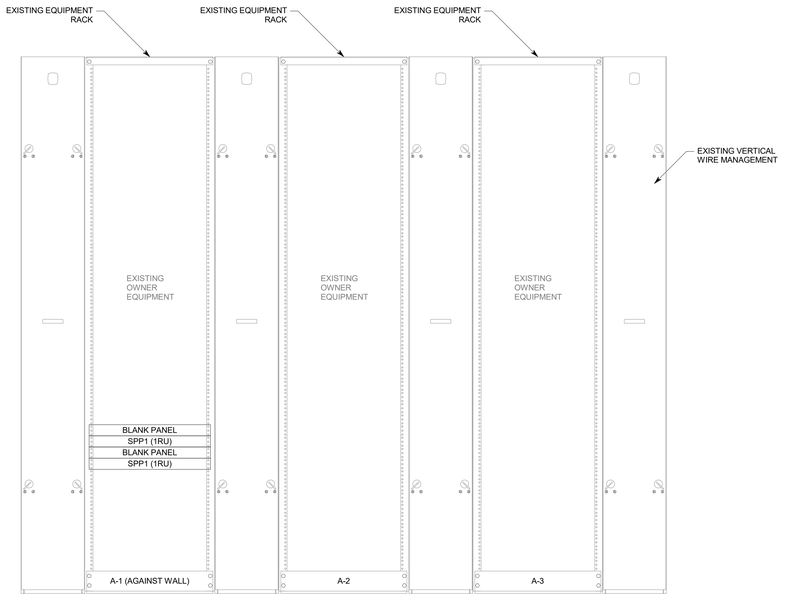
DATA DEVICE DROP SCHEDULE - TDR E-1016

DATA DEVICE TYPE	DETAIL LOCATION	COMM ROOM LOCATION	TOTAL BY FLOOR	Num of Drops
FIRST FLOOR				
CEILING DATA - CAMERA (1-DROP)		IDF E-1016	12	12
FLOOR DATA (2-DROP)		IDF E-1016	1	2
WALL DATA (2-DROP)		IDF E-1016	45	90
WALL DATA (3-DROP)		IDF E-1016	1	3
WALL DATA - ABOVE COUNTER (2-DROP)		IDF E-1016	7	14
Grand total			66	121



A4 TELECOM RACK ELEVATION DETAIL, LEVEL 1, EXISTING DATA E-1702

NO SCALE



A4 TELECOM RACK ELEVATION DETAIL, LEVEL 1, TDR E-1016

NO SCALE

VCBO ARCHITECTURE
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VCBO.COM

LICENSED PROFESSIONAL ENGINEER
No. 185978
PETER E. JOHANSEN
08/04/23

REV	DATE	DESCRIPTION

VCBO NUMBER: 20065
DATE: 08-04-2023

INTERMOUNTAIN PARK CITY HOSPITAL - SPORTS PERFORMANCE CLINIC

INTERMOUNTAIN HEALTHCARE
900 ROUND VALLEY DR, PARK CITY, UT 84060
CONSTRUCTION DOCUMENTS

TELECOM EQUIPMENT RACK ELEVATIONS

ET501-2

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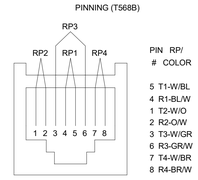
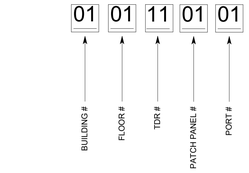


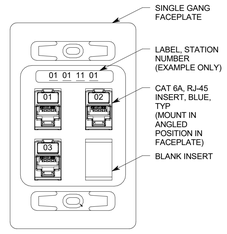
D5 TYPICAL VOICE-DATA OUTLET PINNING DETAIL

NO SCALE



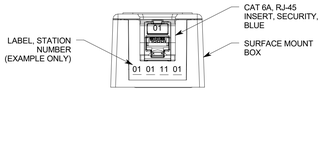
D6 CABLE ID EXAMPLE DETAIL

NO SCALE



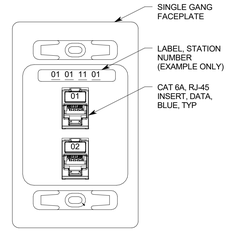
C5 TYPICAL 3-PORT DATA OUTLET

NO SCALE



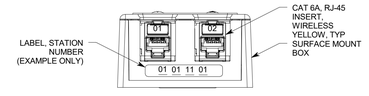
C6 TYPICAL 1-PORT CAMERA DATA OUTLET

NO SCALE



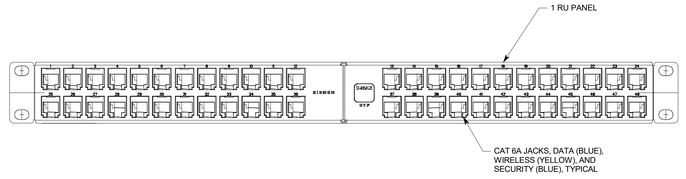
B5 TYPICAL 2-PORT WALL DATA OUTLET

NO SCALE



B6 TYPICAL 'WAP' CEILING DATA OUTLET

NO SCALE



A5 STATION PATCH PANEL, (SPP1)

NO SCALE

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INTERMOUNTAIN PARK CITY HOSPITAL - SPORTS PERFORMANCE CLINIC

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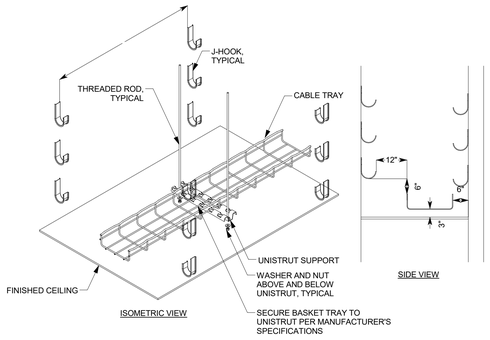
900 ROUND VALLEY DR, PARK CITY, UT 84060
CONSTRUCTION DOCUMENTS

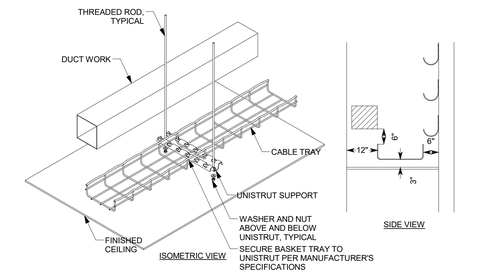
TELECOM DETAILS

ET502-2



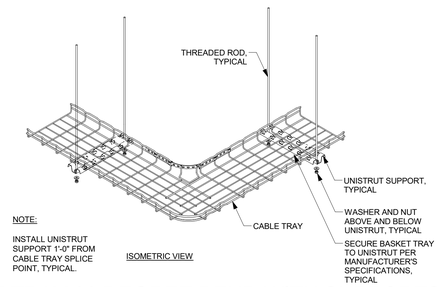
D3 TYPICAL CABLE TRAY WITH J-HOOK INSTALL

NO SCALE



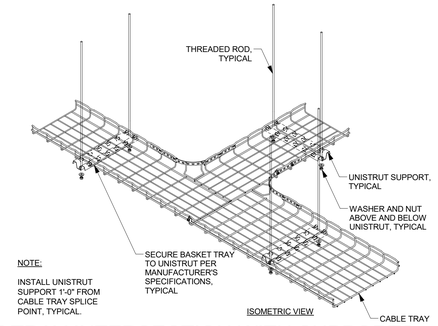
C3 TYPICAL CABLE TRAY WITH PARALLEL OBSTRUCTION

NO SCALE



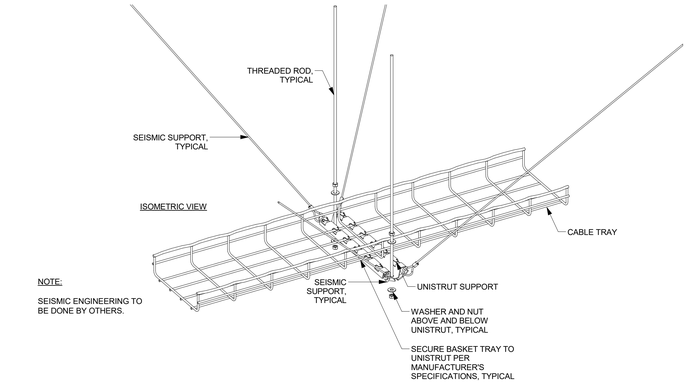
B3 CABLE TRAY 90 DEGREE BEND WITH SUPPORTS

NO SCALE



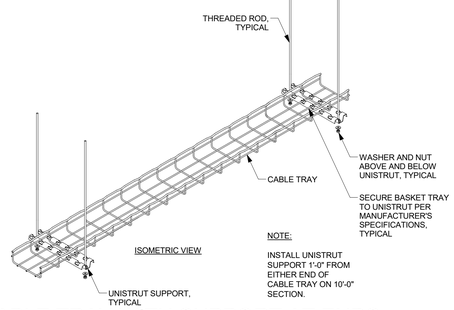
A3 CABLE TRAY INTERSECTION WITH SUPPORTS

NO SCALE



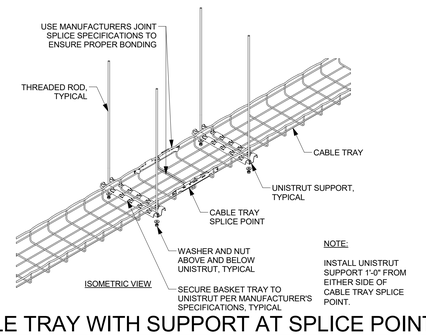
D5 CABLE TRAY WITH SEISMIC SUPPORTS

NO SCALE



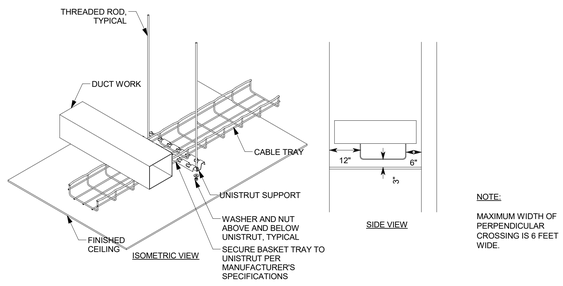
C5 10' CABLE TRAY WITH SUPPORT AT ENDS

NO SCALE



B5 CABLE TRAY WITH SUPPORT AT SPLICE POINT

NO SCALE



A5 TYPICAL CABLE TRAY WITH PERPENDICULAR CROSSING

NO SCALE

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LICENSED PROFESSIONAL ENGINEER
No. 185978
PETER E. JOHANSEN
08/04/23

REV	DATE	DESCRIPTION

VCBO NUMBER: 20065
DATE: 08-04-2023

INTERMOUNTAIN PARK CITY HOSPITAL - SPORTS PERFORMANCE CLINIC

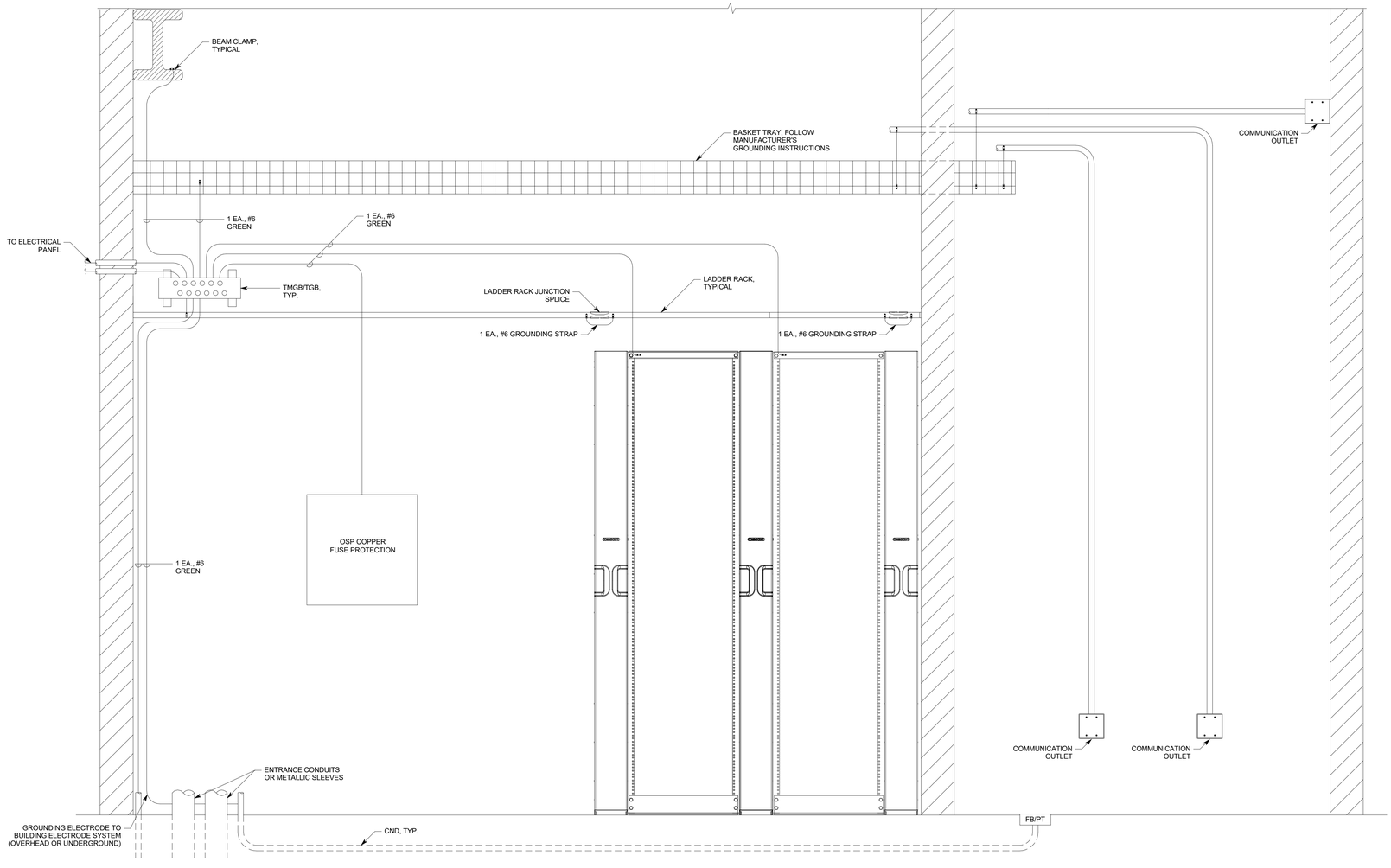
INTERMOUNTAIN HEALTHCARE
900 ROUND VALLEY DR, PARK CITY, UT 84060
CONSTRUCTION DOCUMENTS

TELECOM DETAILS

ET503-2

GENERAL NOTES:

1. ALL LOW VOLTAGE COMMUNICATIONS CONDUIT SHALL BE GROUNDED TO BASKET TRAY OR TELECOMMUNICATIONS GROUNDING BUS BAR.
2. "TMGB" SHOULD BE 1/4"x4"x24".
3. "TGB" SHOULD BE 1/4"x2"x24".
4. EMT CONDUIT GROUNDING CLAMP SHOULD BE ELECTROLYTIC CAST BRONZE. PANDUIT PART NUMBER GPL-"X"-"X", OR EQUAL.
5. RIGID CONDUIT GROUND CLAMP SHOULD BE O-Z/GEDNEY BLG-XXXX, OR HBLG-XXXX, OR EQUAL.
6. GROUNDING LUGS SHOULD BE TWO HOLE LONG BARREL LUGS. PANDUIT PART NUMBER LCC6, OR EQUAL.



A2 TELECOM EQUIPMENT RACK GROUNDING DETAIL

NO SCALE

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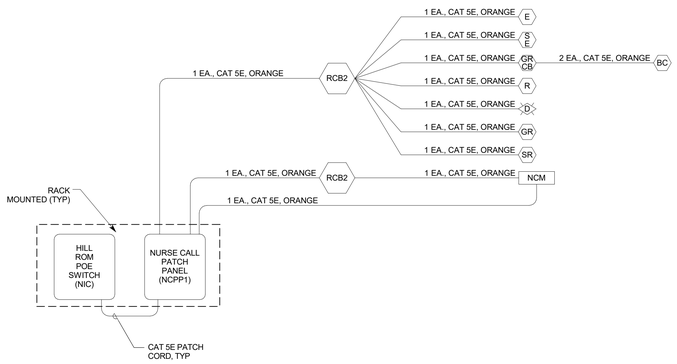
INTERMOUNTAIN PARK CITY HOSPITAL - SPORTS PERFORMANCE CLINIC

INTERMOUNTAIN HEALTHCARE
900 ROUND VALLEY DR, PARK CITY, UT 84060
CONSTRUCTION DOCUMENTS

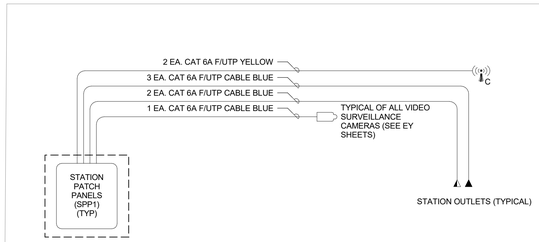
TELECOM EQUIPMENT RACK GROUNDING DETAIL

ET504-2

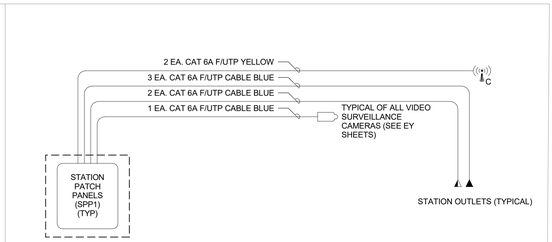


C1 TYPICAL NURSE CALL RISER DIAGRAM

NO SCALE



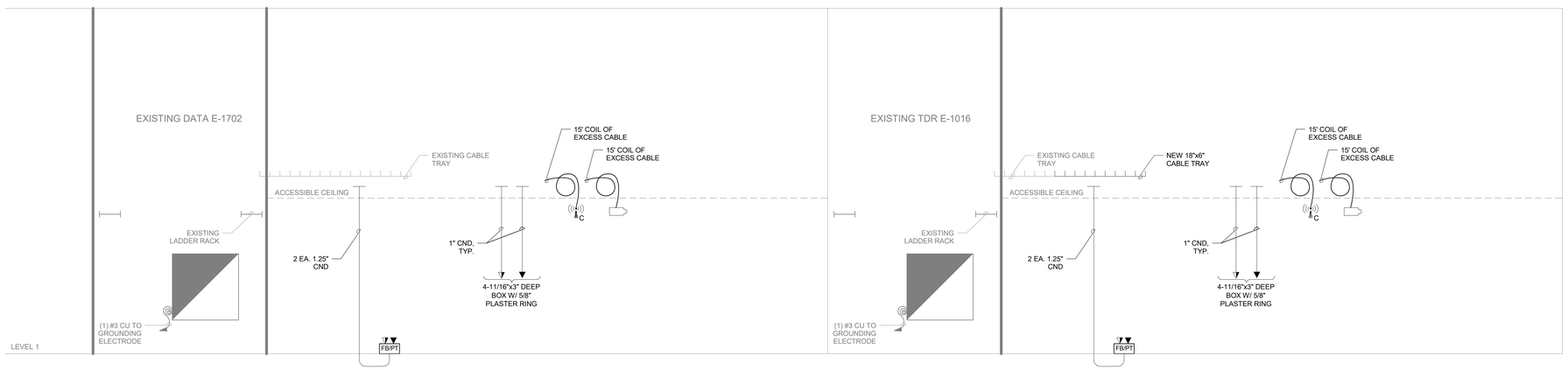
LEVEL 1, EXISTING DATA E-1702



LEVEL 1, EXISTING TDR E-1016

C3 TELECOM CABLE RISER DIAGRAM

NO SCALE



A2 TELECOM CONDUIT RISER DIAGRAM

NO SCALE

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08/04/23

REV	DATE	DESCRIPTION

VCBO NUMBER: 20065
DATE: 08-04-2023

INTERMOUNTAIN PARK CITY HOSPITAL - SPORTS PERFORMANCE CLINIC

INTERMOUNTAIN HEALTHCARE
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CONSTRUCTION DOCUMENTS

TELECOM RISER DIAGRAMS

ET601-2

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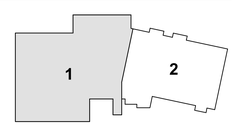
A1 FIRST FLOOR - AREA 1 - SECURITY PLAN (PHASE 2)
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

SHEET KEYNOTES

KEY PLAN



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LICENSED PROFESSIONAL ENGINEER
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08/04/23

REV	DATE	DESCRIPTION
2	04/25/22	ADDENDUM #02
4	08/03/22	PR #004

VCBO NUMBER: 20065
DATE: 08-04-2023

INTERMOUNTAIN PARK CITY HOSPITAL - SPORTS PERFORMANCE CLINIC

INTERMOUNTAIN HEALTHCARE
900 ROUND VALLEY DR, PARK CITY, UT 84060
CONSTRUCTION DOCUMENTS

FIRST FLOOR - AREA 1 - SECURITY PLAN (PHASE 2)

EY101-2

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VSS CAMERA SCHEDULE

TYPE	INTERIOR (INT)/ EXTERIOR (EXT)	DESCRIPTION	AXIS MODEL #
1	INT	FIXED DOME, VARIFOCAL, CEILING MOUNT	P3375-V
2	INT	FIXED DOME, VARIFOCAL, WALL MOUNT	P3375-V
3	EXT	FIXED DOME, VARIFOCAL, WALL MOUNT	Q3515-LVE
4	INT/EXT	FIXED DOME, CEILING MOUNT (360°)	P3717-PLE
5	INT/EXT	FIXED DOME, CEILING MOUNT (180°)	P3807-PVE
6	INT	FIXED DOME, CEILING MOUNT DRUG DISPENSER	M3067-P0808-001
7	EXT	PARAPET MOUNT ARM, PAN TILT ZOOM	Q6075-E
8	INT	FIXED DOME, CEILING MOUNT DUEL LENS	P3715-PVE

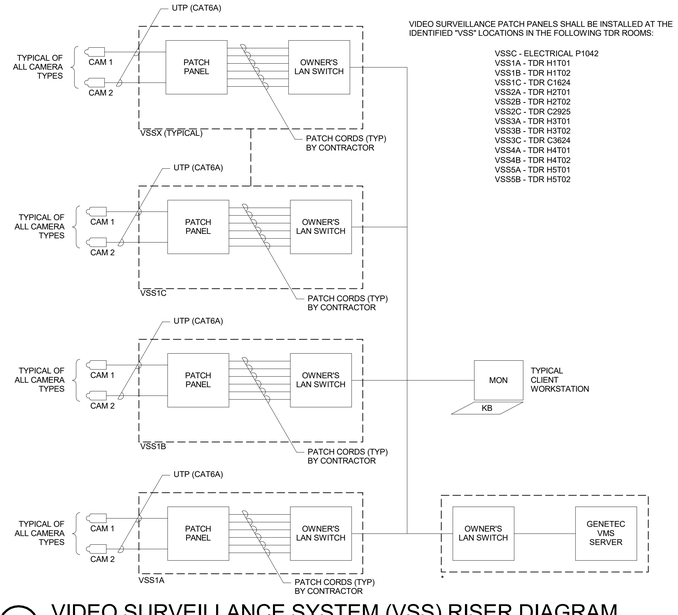
VSS CAMERA/ENCLOSURE ROUGH-IN SCHEDULE

DESCRIPTION	INCLUDES
INTERIOR CAMERA - FIXED DOME (CEILING MOUNTED)	* JUNCTION BOX ABOVE ACCESSIBLE CEILING WITH 1" CONDUIT TO VSS
INTERIOR CAMERA - FIXED DOME (WALL MOUNTED)	* JUNCTION BOX AT +90" ABOVE FINISHED FLOOR, WITH 1" CONDUIT BACK TO VSS
EXTERIOR CAMERA - FIXED DOME (WALL MOUNTED)	* JUNCTION BOX AT +120" ABOVE FINISHED FLOOR, WITH 1" CONDUIT BACK TO VSS

SECURITY EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION	MOUNTING *	ROUGH-IN	QTY	ACCEPTABLE TYPES
CR	CARD READER	40"	4SQ W/ 1G RING	OFP	SEE SECTION 281300
CR/KP	CARD READER OR KEYPAD CONTROLLED (EMT/AMBULANCE)	40"	4SQ W/ 1G RING	OFP	PROVIDE HID READER WITH HES 660 SERIES LOCKSET
CR/MS	CARD READER OR MAG STRIP CONTROLLED (PUBLIC ENTRY TO PATIENT FLOORS)	40"	4SQ W/ 1G RING	OFP	
CR/PP	CARD READER AND PIN PAD CONTROLLED (BEHAVIORAL HEALTH)	40"	4SQ W/ 1G RING	OFP	
CRF	CARD READER FOR FRIDGE AND/OR FREEZER	40"	4SQ W/ 1G RING	OFP	
#1	CARD ACCESS DOOR TYPE, TYPICAL. REFER TO CARD ACCESS DOOR TYPE SCHEDULE.	SEE SCHEDULE	SEE SCHEDULE	OFP	REFER TO CARD ACCESS DOOR TYPE SCHEDULE & SECTION 281300
CI	DOOR MONITOR - CONTACT INDICATOR SWITCH	SEE SCHEDULE	SEE SCHEDULE	OFP	SEE SECTION 281300
AH	APERIO HUB (IP)	CEILING	1G BOX	OFP	PROVIDE APERIO HUB MODEL AH-40-IN2-NNNN
CR	WIRELESS READER AND LOCKSET FOR MED CABINET	ON CABINET	PER MANUF.	OFP	PROVIDE HES K100 WIRELESS READER/LOCKSET
I	IP INTERCOM WALL STATION	54"	3-GANG VERTICAL BOX	OFP	PROVIDE AXIS A8004-VE NETWORK VIDEO DOOR STATION
1	VSS CAMERA/ENCLOSURE TYPE, TYPICAL. REFER TO VSS CAMERA/ENCLOSURE TYPE SCHEDULE.	SEE SCHEDULE	SEE SCHEDULE	OFP	SEE VSS CAMERA/ENCLOSURE TYPE SCHEDULE
P	DURESS BUTTON	UNDER COUNTER J-BOX - 18"	4SQ W/ 1G RING	OFP	SEE SECTION 281600
ACS	CARD ACCESS CONTROLLERS & PWR SUPPLIES	72"	4"x4" GUTTER & STUBS A/R	A/R	SEE SECTION 281300
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER "TVSS"	AS NOTED	A/R	A/R	
VSS	VIDEO SURVEILLANCE SYSTEM	RACK MOUNTED			COORDINATE WITH OWNER

* COORDINATE MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS BEFORE INSTALLATION.



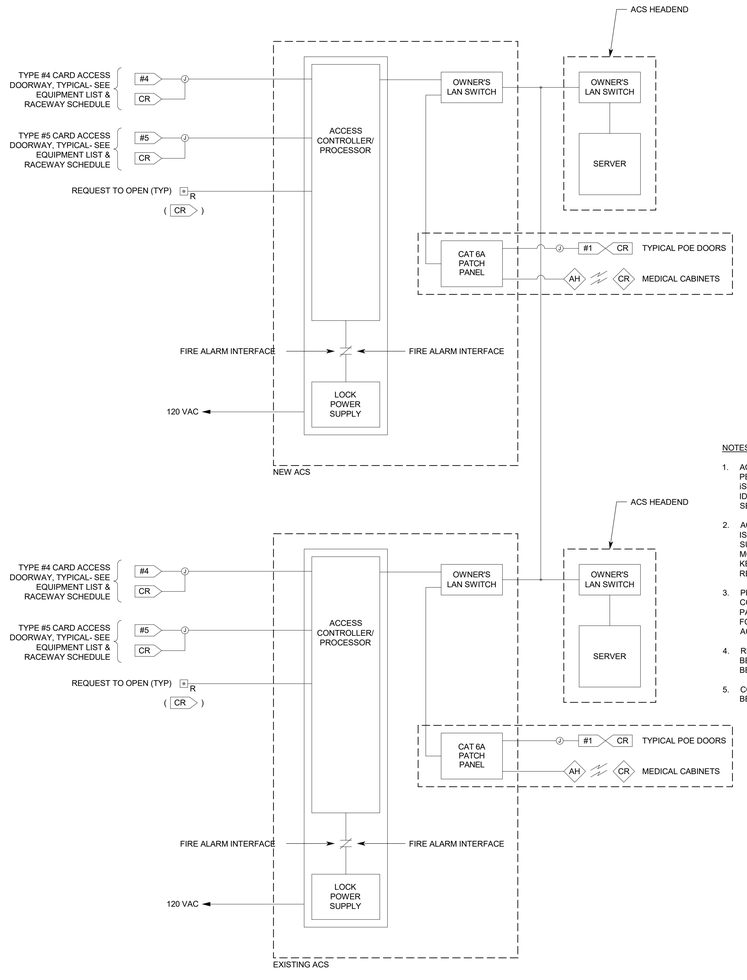
VIDEO SURVEILLANCE PATCH PANELS SHALL BE INSTALLED AT THE IDENTIFIED "VSS" LOCATIONS IN THE FOLLOWING TDR ROOMS:

VSSC - ELECTRICAL P1042
VSS1A - TDR H1T01
VSS1B - TDR H1T02
VSS1C - TDR C1624
VSS2A - TDR H2T01
VSS2B - TDR H2T02
VSS2C - TDR C2925
VSS3A - TDR H3T01
VSS3B - TDR H3T02
VSS3C - TDR C3624
VSS4A - TDR H4T01
VSS4B - TDR H4T02
VSS5A - TDR H5T01
VSS5B - TDR H5T02

A2 VIDEO SURVEILLANCE SYSTEM (VSS) RISER DIAGRAM

NO SCALE - FOR REFERENCE ONLY - SEE ET SHEETS FOR WIRING INFORMATION

ACS SYSTEM RISER (TYP. EACH BULDING/FLOOR)



NOTES:

1. ACCESS CONTROL SYSTEM BASED UPON MULTIPLE CARD READERS PER ACCESS CONTROLLER/PROCESSOR. PROVIDE QUANTITY OF iSTAR PRO AND iSTAR ULTRA CONTROLLER'S PER ACS BASED ON IDENTIFIED ACCESS READER LOCATIONS SHOWN IN THE EY SHEET SERIES, PLUS 20%.
2. ACCESS CONTROLLER "ACS" INDICATED SHALL INCLUDE ANY ISOLATION MODULES, BUFFER MODULES, EXTERNAL POWER SUPPLIES, INPUT/OUTPUT MODULES, OR FORMAT CONVERTER MODULES (NOT SHOWN) REQUIRED TO SUPPORT CARD READER OR KEYPAD TYPES INDICATED, FOR COMPLETE AND FUNCTIONING CARD READER AND DOOR CONTROL.
3. PROVIDE SEPARATE WIRE PAIRS FOR REQUEST TO EXIT AND DOOR CONTACT INDICATOR, FROM ACCESS DOOR TO ACCESS CONTROLLER PANEL. SINGLE PAIR, FROM ACCESS DOOR TO CONTROLLER PANEL, FOR REQUEST TO EXIT AND DOOR CONTACT INDICATOR, NOT ACCEPTABLE.
4. REQUEST TO EXIT AND DOOR CONTACT INDICATOR CIRCUITS SHALL BE SUPERVISED FOR OPEN CIRCUIT OR SHORT CIRCUIT FAULTS BETWEEN THE DEVICE CONTACTS AND ACCESS CONTROLLER.
5. CONTRACTOR TO PROVIDE ADDITIONAL CONTROLLERS FOR THE BE SUPERVISED FOR OPEN CIRCUIT OR SHORT CIRCUIT FAULTS

A4 ACCESS CONTROL SYSTEM (ACS) DIAGRAM

NO SCALE

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08/04/23

REV	DATE	DESCRIPTION
4	08/03/22	PR #004

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INTERMOUNTAIN PARK CITY HOSPITAL - SPORTS PERFORMANCE CLINIC

INTERMOUNTAIN HEALTHCARE
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CONSTRUCTION DOCUMENTS

SECURITY DETAILS AND RISERS DIAGRAMS

EY601-2

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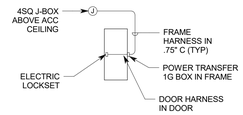
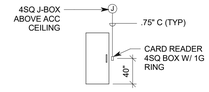
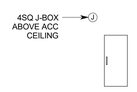
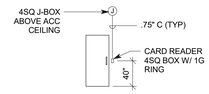
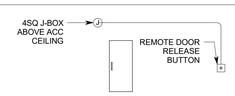
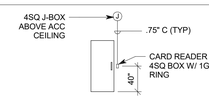
NOTES

1. PROVIDE RACEWAY AND EQUIPMENT AS INDICATED FOR CARD ACCESS DOOR TYPE INDICATED. REFER TO SECTION 281300 AND CARD ACCESS LOCK CONTROL DETAILS FOR ADDITIONAL REQUIREMENTS.
2. PROVIDE CONCEALED .75" C TYPICAL FOR LINES SHOWN TO DEVICE BOXES ON PROTECTED SIDE AND UNPROTECTED SIDE ELEVATIONS.
3. CONFIRM CORRECT CARD ACCESS DOOR RACEWAY, LOCK VOLTAGE, AND EXIT SWITCH CURRENT RATING (2 AMPS MIN.) WITH DIV. 8 FURNISHED CARD ACCESS DOOR HARDWARE PER DIV. 8 DOOR HARDWARE SPECIFICATIONS.
4. LOCATE CARD READER BOX AS INDICATED ON FLOOR PLANS. RACEWAY AND BOXES BY DIV. 26. REFER TO 281300 FOR CARD ACCESS SYSTEM REQUIREMENTS.
5. DOUBLE 4SQ J-BOX ON PROTECTED SIDE OF DOORWAY (SIDE OPPOSITE OF CARD READER) ABOVE ACCESSIBLE CEILING OR IN OTHER ACCESSIBLE LOCATION. PROVIDE COVER FOR J-BOX.
6. ELECTRIC LOCKING HARDWARE (MAG LOCKS, ELECTRIC STRIKES, POWER TRANSFER HINGES, ETC.) BY DIV 8. REVIEW DOOR HARDWARE FURNISHED AND VERIFY LOCK VOLTAGES AND OPERATIONAL FUNCTIONALITY OF LOCKS. CONTACT ENGINEER WITH QUESTIONS OR CONCERNS.

ABBREVIATIONS

1G	=	1-GANG OR SINGLE GANG
4SQ	=	FOUR SQUARE JUNCTION BOX
AO	=	AUTO OPENER
A/R	=	AS REQUIRED
ACC	=	ACCESSIBLE
ACS	=	ACCESS CONTROL SYSTEM CONTROLLER
ADA	=	ASSISTED DISABILITY OPENER
AED	=	ELECTRIC EXIT DEVICE/CR COMBO ON DOOR
AEL	=	ELECTRIC LOCK/CR COMBO ON DOOR
C	=	CONDUIT
CI	=	DOOR CONTACT INDICATOR SWITCH
CR	=	CARD READER
CR/MS	=	CARD READER/MAG STRIPE
DH	=	DOOR HARNESS
DBL	=	DOUBLE
DED	=	DELAYED EXIT DEVICE
DIR	=	DIRECTION
ED	=	EXIT DEVICE
EH	=	ELECTRIC HINGE
EL	=	ELECTRIC LOCKSET
ES	=	ELECTRIC STRIKE
EDL	=	ELECTRIC DEADLATCH
EED	=	ELECTRIFIED EXIT DEVICE
ELC	=	EMERGENCY LOCK CONTROL
EPT	=	ELECTRIC POWER TRANSFER
FA	=	FIRE ALARM SYSTEM
FH	=	FRAME HARNESS
HDWR	=	HARDWARE
IDS	=	INTRUSION DETECTION SYSTEM
KS	=	KEY SWITCH
LS	=	LOCK INDICATOR SWITCH IN HARDWARE
LX	=	PANIC HARDWARE LATCH POSITION SWITCH
L/PS	=	LOCK POWER SUPPLY
MD	=	MOTION DETECTOR
ML	=	ELECTROMAGNETIC LOCK
OCC	=	OCCUPANCY
OFP	=	OBTAIN FROM PLANS
PB	=	PUSH BUTTON RELEASE
PH	=	PANIC HARDWARE
PP	=	PUSH PAD ACTUATOR
PS	=	POWER SUPPLY
PED	=	POE EXIT DEVICE
PEL	=	POE ELECTRIC LOCKSET
PWR	=	POWER
QTY	=	QUANTITY
RS	=	REMOTE OPEN SWITCH
REX	=	REQUEST TO EXIT SWITCH/FUNCTION
TLC	=	TIME/SYSTEM LOCK CONTROL
TYP	=	TYPICAL
W/	=	WITH

CARD ACCESS DOOR TYPE SCHEDULE

DOOR TYPE #	SYMBOL	DESCRIPTION	PROTECTED SIDE ELEVATION	UNPROTECTED SIDE ELEVATION	LOCK TYPE(S)	DIVISION OF WORK AND COMMENTS
TYPE 1	 HARDWARE SETS: 1.0	SINGLE DOOR, 1 CARD READER HINGE POWER TRANSFER			ELECTRIC LOCKSET	SECURITY CONTRACTOR PROVIDES: • CR HARDWARE CONTRACTOR PROVIDES: • EL, EH, L/PS, FH, DH LOCK CONTROLLED BY: • CR
TYPE 2	 HARDWARE SETS: 9.0	SINGLE DOOR, 1 CARD READER COORDINATE REQUIREMENTS WITH DOOR MFG.				SECURITY CONTRACTOR PROVIDES: • CR HARDWARE CONTRACTOR PROVIDES: • HW BY DOOR MFG LOCK CONTROLLED BY: • CR
TYPE 3	 HARDWARE SETS: 9.0	SINGLE DOOR, 1 CARD READER COORDINATE REQUIREMENTS WITH DOOR MFG.				SECURITY CONTRACTOR PROVIDES: • CR, PB HARDWARE CONTRACTOR PROVIDES: • HW BY DOOR MFG LOCK CONTROLLED BY: • CR, PB

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LICENSED PROFESSIONAL ENGINEER
No. 185978
PETER E. JOHANSEN
STATE OF UTAH
08/04/23

REV	DATE	DESCRIPTION

VCBO NUMBER: 20065
DATE: 08-04-2023

INTERMOUNTAIN PARK CITY HOSPITAL - SPORTS PERFORMANCE CLINIC

INTERMOUNTAIN HEALTHCARE
900 ROUND VALLEY DR, PARK CITY, UT 84060
CONSTRUCTION DOCUMENTS

ACCESS CONTROL DOOR TYPE SCHEDULE

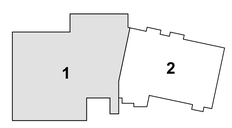
EY602-2

A1 FIRST FLOOR - AREA 1 - SYSTEMS PLAN (PHASE 2)
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

SHEET KEYNOTES

KEY PLAN



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LICENSED PROFESSIONAL ENGINEER
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PETER E. JOHANSEN
08/04/23

REV	DATE	DESCRIPTION
12	11/15/22	PR #012

VCBO NUMBER: 20065
DATE: 08-04-2023

INTERMOUNTAIN PARK CITY HOSPITAL - SPORTS PERFORMANCE CLINIC

INTERMOUNTAIN HEALTHCARE
900 ROUND VALLEY DR, PARK CITY, UT 84060
CONSTRUCTION DOCUMENTS

FIRST FLOOR - AREA 1 - SYSTEMS PLAN (PHASE 2)

EC101-2

BIM 360://20065 - Intermountain PKH Sports Performance Center/210392 ELEC CENTRAL.rvt

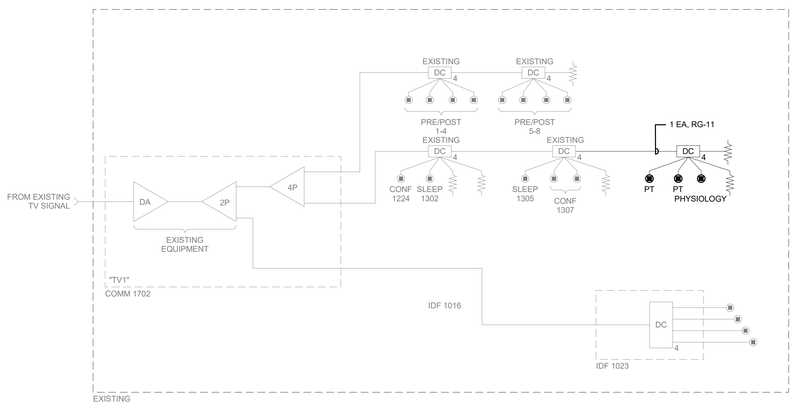
NURSE CALL SYMBOL LIST

SYMBOL	MANUF.	PART #	DESCRIPTION	BACKBOX	BOX MOUNTING HEIGHT
NCM	HILL-ROM	P2500NNC1B00	STAFF CONSOLE, DESK MOUNT	STEEL CITY 58371 3/4R, RACO 561, OR ANY OTHER SINGLE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS
NCM W	HILL-ROM	P2594NNC3A00	STAFF CONSOLE, WALL MOUNT	STEEL CITY 58371 3/4R, RACO 561, OR ANY OTHER SINGLE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS
GA	HILL-ROM	P2594NNC3B00	GRAPHICAL ANNUNCIATOR	STEEL CITY 58371 3/4R, RACO 561, OR ANY OTHER SINGLE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS
BC	HILL-ROM	P2505NNC1B00	AUDIO STATION BED CONNECTOR (ASBC)	GARVIN 52181-3/4, WITH GARVIN 52C13 RING, OR ANY OTHER 4" SQUARE 3.5" DEEP BACK BOX WITH SINGLE GANG MUD RING.	REFER TO ELEVATION DRAWINGS
EQ	HILL-ROM	P2516A01	EQUIPMENT RECEPTACLE, WITH CALL CORD	STEEL CITY 58371 3/4R, RACO 561, OR ANY OTHER SINGLE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS
DL	HILL-ROM	P2506NNC1B00	DOME LIGHT, SINGLE LED	RACO 231, WITH RACO 778 RING, OR ANY OTHER 4" SQUARE 2 1/8" DEEP BACK BOX.	REFER TO ELEVATION DRAWINGS
D	HILL-ROM	P2506NNC8A00-D	ICON BASED-LIGHT LED DOME LIGHT	STEEL CITY CYLE-3/4, RACO 591, OR ANY OTHER 3.5" DEEP SINGLE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS
Z	HILL-ROM	P2506NNC8A00-7	ICON BASED-LIGHT LED ZONE LIGHT	STEEL CITY CYLE-3/4, RACO 591, OR ANY OTHER 3.5" DEEP SINGLE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS
POE-24	HILL-ROM	P2519NNC1A24	POE SWITCH		REFER TO ELEVATION DRAWINGS
CB DB	HILL-ROM	P2520A07	CODE BLUE PUSH BUTTON SWITCH	RACO 561 BACK BOX,	REFER TO ELEVATION
CB PB	HILL-ROM	P2520A07	CODE PINK PUSH BUTTON SWITCH	RACO 561 BACK BOX,	REFER TO ELEVATION
PC B	HILL-ROM	P2520A07	PUSH FOR ASSISTANCE PUSH BUTTON SWITCH	RACO 561 BACK BOX, OR ANY OTHER 2.5" DEEP SINGLE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS
SE B	HILL-ROM	P2520A08	STAFF EMERGENCY PUSH BUTTON SWITCH	RACO 561 BACK BOX, OR ANY OTHER 2.5" DEEP SINGLE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS
E	HILL-ROM	P2520B01	BATH SWITCH, W/CANCEL, SUPERVISED	RACO 561 BACK BOX, OR ANY OTHER 2.5" DEEP SINGLE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS
E	HILL-ROM	P2520B02	BATH SWITCH, W/O CANCEL, SUPERVISED	RACO 561 BACK BOX, OR ANY OTHER 2.5" DEEP SINGLE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS
UPS, APC Rackmount Non-Seismic	HILL-ROM	P2521B02	UPS, RACK MOUNTABLE, 2U - NON-SEISMIC		REFER TO ELEVATION DRAWINGS
CB SR	HILL-ROM	P2594NNC1B01	STAFF STATION - STANDARD ROOM STATION W/ CODE	STEEL CITY GW-225G, RACO 691 OR ANY OTHER 2.5" DEEP, TWO OR THREE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS
SR	HILL-ROM	P2594NNC1B01	STAFF STATION - STANDARD ROOM STATION W/O CODE	STEEL CITY GW-225G, RACO 691 OR ANY OTHER 2.5" DEEP, TWO OR THREE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS
GR	HILL-ROM	P2594NNC2C00	GRAPHICAL ROOM STATION (GRS) - STAFF	STEEL CITY GW-225G, RACO 691 OR ANY OTHER 2.5" DEEP, TWO OR THREE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS
GR GS	HILL-ROM	P2594NNC2C11	GRAPHICAL ROOM STATION (GRS) - PATIENT	STEEL CITY GW-225G, RACO 691 OR ANY OTHER 2.5" DEEP, TWO OR THREE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS
RAD	HILL-ROM	P2594NNC4A10	REMOTE AUDIO DEVICE	STEEL CITY GW-225G, RACO 691 OR ANY OTHER 2.5" DEEP, TWO OR THREE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS
RCB2	HILL-ROM	P2599NNC2A00	RCB2 ROOM CONTROL BOARD	STEEL CITY GW-235G, RACO 696 OR ANY OTHER 3.5" DEEP, TWO OR THREE GANG BACK BOX.	REFER TO ELEVATION DRAWINGS
Room Staff	HILL-ROM	RTLS-CLOSED	RTLS - STAFF LOCATING LOCATION-CLOSED AREA	STEEL CITY GW-225G, RACO 691 OR ANY OTHER TWO GANG BACK BOX.	REFER TO ELEVATION DRAWINGS
Room Staff	HILL-ROM	RTLS-OPEN	RTLS - STAFF LOCATING LOCATION-GLASS/OPEN AREA	STEEL CITY GW-225G, RACO 691 OR ANY OTHER TWO GANG BACK BOX.	REFER TO ELEVATION DRAWINGS
Room Staff	HILL-ROM	RTLS-BAY	RTLS - STAFF LOCATING LOCATION-BAY	STEEL CITY GW-225G, RACO 691 OR ANY OTHER TWO GANG BACK BOX.	REFER TO ELEVATION DRAWINGS
	HILL-ROM		PILLOW SPEAKEKER, REQUIRES ASBC.		
R	CURBELL	MAP985A	REMOTE ENTERTAINMENT STATION	STEEL CITY GW-225C, RACO 691 OR ANY OTHER TWO GANG BACK BOX.	REFER TO ELEVATION DRAWINGS

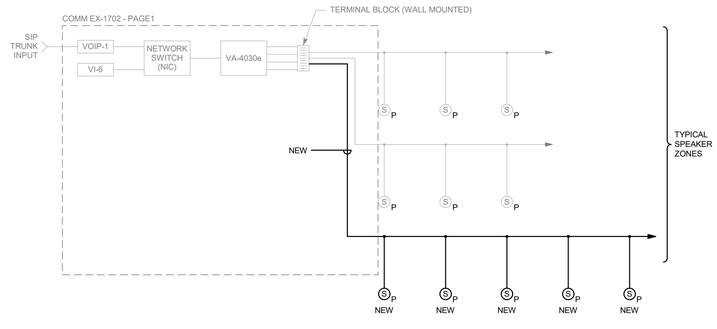
TV DISTRIBUTION SYSTEM EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION	QUANTITY	ACCEPTABLE TYPES
#P	MULTI PORT SPLITTER	OFP OFP	2-PORT BLONDER TONGUE SXRS-2 4-PORT BLONDER TONGUE SXRS-4
DA	BROADBAND DISTRIBUTION AMPLIFIER	1	BLONDER TONGUE RMDA 750-30
	TV OUTLET	OFP	BLONDER TONGUE MODEL V-1GF-FT WITH COVER PLATE
TR	COAXIAL CABLE, TRUNK	A/R	RG-11 (SEE SPECIFICATIONS)
DC 2	MULTI-POST DIRECTIONAL COUPLER	OFP	BLONDER TONGUE SRT 2A, 4A, AND 8A SERIES
DC	DIRECTIONAL COUPLER/WALL TAP PLATE	OFP	BLONDER TONGUE VERSATAP SERIES MODEL V-3889 SERIES
	RF TERMINATOR	OFP	75 OHM TERMINATOR
T	COAXIAL CABLE	A/R	RG-6 (SEE SPECIFICATIONS)

MANUFACTURER'S NAMES AND TELEPHONE NUMBERS ARE LISTED IN THE SPECIFICATIONS.
A/R = AS REQUIRED. OFP = OBTAIN FROM PLANS.



A2 TV DISTRIBUTION SYSTEM DIAGRAM
NO SCALE



NOTE:

1. PAGING SYSTEM BASED ON BIAMP VOCIA PLATFORM.
2. SYSTEM REQUIRES "SIP TRUNK" FROM EXISTING VOIP TELEPHONE CALL MANAGER.
3. ZONE DETERMINATION SHALL BE DETERMINED BY HOSPITAL.

A5 EXISTING OVERHEAD PAGING SYSTEM DIAGRAM
NO SCALE

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INTERMOUNTAIN HEALTHCARE
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CONSTRUCTION DOCUMENTS

SYSTEMS RISER DIAGRAMS

EC601-2

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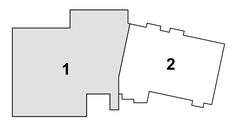
GENERAL SHEET NOTES

SHEET KEYNOTES

KEY PLAN



A1 FIRST FLOOR - AREA 1 - FIRE ALARM PLAN (PHASE 2)

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

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FIRST FLOOR - AREA 1 - FIRE ALARM PLAN (PHASE 2)

FA101-2

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