KEYNOTES

1. PROVIDE AND INSTALL PLUMBING FIXTURES AS SHOWN. TIE VENT, HOT WATER AND COLD WATER LINES TO EXISTING SYSTEMS AS SHOWN. PROVIDE HOT AND COLD WATER SHUT OFF VALVES AT EACH OF THE FIXTURES, TYPICAL FOR ALL PLUMBING FIXTURES.
2. THE FIRE SPRINKLER CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF THE EXISTING FIRE SPRINKLERS. ADD/REPOSITION EXISTING SPRINKLER LOCATION WITH A NEW SPRINKLER HEAD AS NECESSARY FOR THE REMODELED SPACE, INCLUDING NEW FLOOR PLAN CEILING PLAN AND CEILING HEIGHT ADJUSTMENTS, MODIFY SPRINKLER PIPING AS REQURIED, TYPICAL. REFER TO THE ARCHITECTURAL SHEETS FOR COMPLETE SCOPE OF THE PROJECT.
3. ALL SPRINKLERS IN THE REMODELED AREA ARE TO BE REPLACED WITH QUICK RESPONSE TYPE. REPLACEMENT OF SPRINKLERS SHALL EXTEND TO ALL WALLS OR SOFFIT BREAKS.
4. FIRE SPRINKLERS SHALL BE INSTALLED TO MEET NFPA 13-2016 REQUIREMENTS, TYPICAL.
5. EXISTING CAST IRON PIPING WITHIN SHELLED OR SPACE IS TO BE REMOVED AND REPLACED WITH GUARDIAN DOUBLE WALL CONTAINMENT PIPING OR APPROVED EQUIVALENT. COORDINATE NEW PIPING WITH NEW PIPING AND HVAC EQUIPMENT AND DUCTWORK.

1 P102 LEVEL 2 PLUMBING PLAN
1/8" = 1'-0"

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08.30.2022
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VBFA Project #: 22423

REV	DATE	DESCRIPTION

VCBO NUMBER: 22243
CLIENT NUMBER:
DATE: 2023.01.18

Intermountain Riverton Hospital ASC

INTERMOUNTAIN HEALTHCARE
3714 WEST 12600 SOUTH, RIVERTON, UTAH
CONFORMED SET

LEVEL 2 PLUMBING PLAN

1/11/2023 9:28:08 AM

P102

PLUMBING FIXTURE SCHEDULE

ID	FIXTURE	CW (IN)	HW (IN)	W (IN)	V (IN)	DESCRIPTION	NOTES
L-1	LAVATORY	1/2	1/2	1 1/2	1 1/2	WALL HUNG, VITREOUS CHINA, GOOSENECK FAUCET WITH WRISTBLADES	LAVATORY: KOHLER K2030, GREENWICH, 20" X 18", VITREOUS CHINA, WITH FRONT OVERFLOW, 8" CENTERS. CHICAGO 786-GN2FCXKABCP FAUCET, WITH WRIST BLADE HANDLES, GN2 RIGID/SWING GOOSENECK SPOUT WITH 0.5 GPM LAMINAR FLOW CONTROL IN SPOUT INLET. FLEXIBLE STAINLESS STEEL SUPPLIES WITH WITH LOOSE KEY ANGLE STOPS. CHICAGO 327-XCP OPEN-GRID STRAINER AND CAST BRASS P-TRAP WITH CLEAN OUT PLUG. SMITH 0700-Z CONCEALED ARM CHAIR CARRIER WITH FOOT SUPPORT. PROVIDE ADA COMPLIANT UNDER COUNTER PIPING WRAP BY TRUE-BRO, COLOR TO BE WHITE.
S-1	WORK SINK	1/2	1/2	2	2	COUNTER MOUNTED, STAINLESS STEEL, WITH WRIST BLADES	SINK: JUST SL-1815-A-GR-I-SSF 18" X 15" X 7-1/2" I.D. COUNTER MOUNT 18 GA. STAINLESS STEEL SINK WITH 3 HOLES ON 4" CENTERS DRILLING. CHICAGO 786-GN8FCXKABCP FAUCET, WITH WRIST BLADE HANDLES, GN8FC RIGID/SWING GOOSENECK SPOUT WITH 1.5 GPM LAMINAR FLOW CONTROL IN SPOUT. FLEXIBLE STAINLESS STEEL SUPPLIES WITH WITH LOOSE KEY ANGLE STOPS. CAST BRASS P-TRAP WITH CLEAN OUT PLUG
SH-1	PATIENT SHOWER	1/2	1/2	-	-	ADA, HAND HELD SHOWER HEAD	SHOWER (ADA COMPLIANT): CHICAGO 1921-VOCCP THERMOSTATIC / PRESSURE BALANCE DRAINING SHOWER VALVE WITH LEVER HANDLE; SUPPLY CHICAGO 154-LADC/LESS HEAD. SYMMONS ADACHS-1.5 WITH PAUSE CONTROL, ADJUSTBABLE HIGH LIMIT STOP SCREW, INTEGRAL SERVICE STOPS WITH CHECKS, (2) 34" SS HOSES WITH AUTOMATIC HOSE DRAIN, INLINE BREAKER, WALL CONNECTION AND ADA GRAB AND SLIDE BAR FOR HAND SHOWER MOUNTING.
FD-1	SHOWER DRAIN			2	1 1/2	SHOWER DRAIN	SHOWER DRAIN: SMITH 2005Y-CP FLOOR DRAIN WITH CAST IRON BODY AND FLASHING COLLAR WITH 6-INCH ROUND CHROME PLATED ADJUSTABLE STRAINER STRAINDER HEAD WITH SECURED GRATE. PROVIDE TRAP GUARD TYPE TRAP SEAL DEVICE.
EWC-1	ELECTRIC WATER COOLER	1/2	-	2	1 1/2	ADA, DUAL STATION, BOTTLE FILLING STATION	ELECTRIC WATER COOLER: ELKAY EZH20 LZSTL8WSSP DUAL STATION, WALL MOUNTED WITH BOTTLE FILLING STATION, BARRIER FREE, ADA ELECTRIC WATER COOLER WITH FLEXIBLE SAFETY BUBBLER, STAINLESS STEEL BOWLS AND CONTROL BUTTONS ON FRONT AND SIDES. COMPRESSOR TO BE 115V, 60 HZ WITH CAPACITY TO DELIVER AT LEAST 8.0 GPH OF 50°F WATER. 1-1/2" CAST BRASS CHROME-PLATED P-TRAPS. COORDINATE THE ADA SIDE WITH THE ARCHITECT.

(1) ALL UNDER GROUND WASTE AND VENT SHALL BE 2" OR GREATER PER DRAWINGS.

MEDICAL GAS OUTLETS SCHEDULE

SYMBOL	ROOM TYPE	# OF OUTLETS O2	MA	MV	WAGD	N20	N	CO2	PIPE DROP SIZE TO OUTLET(S) O2	MA	MV	WAGD	N20	N	CO2	REMARKS
MO-1	SEE PLANS	1	1	1	-.-	-.-	-.-	-.-	1/2	1/2	3/4	-.-	-.-	-.-	-.-	1,2
MO-2	SEE PLANS	2	1	-.-	1	1	-.-	-.-	1/2	1/2	-.-	3/4	1/2	-.-	-.-	1,2

UNLESS NOTED OTHERWISE, ALL OUTLETS ARE CHEMETRON-STYLE QUICK-CONNECTS
REFER TO ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS FOR EXACT LOCATION AND PLACEMENT OF OUTLETS.
1. PIPE DROP SIZES ARE FOR ONE SET OF OUTLETS
2. WALL MOUNTED OUTLETS

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REV	DATE	DESCRIPTION
1	10/28/2022	Addendum #01

VCBO NUMBER: 22243
CLIENT NUMBER:
DATE: 2023.01.18

Intermountain Riverton Hospital ASC

INTERMOUNTAIN HEALTHCARE
3714 WEST 12600 SOUTH, RIVERTON, UTAH
CONFORMED SET

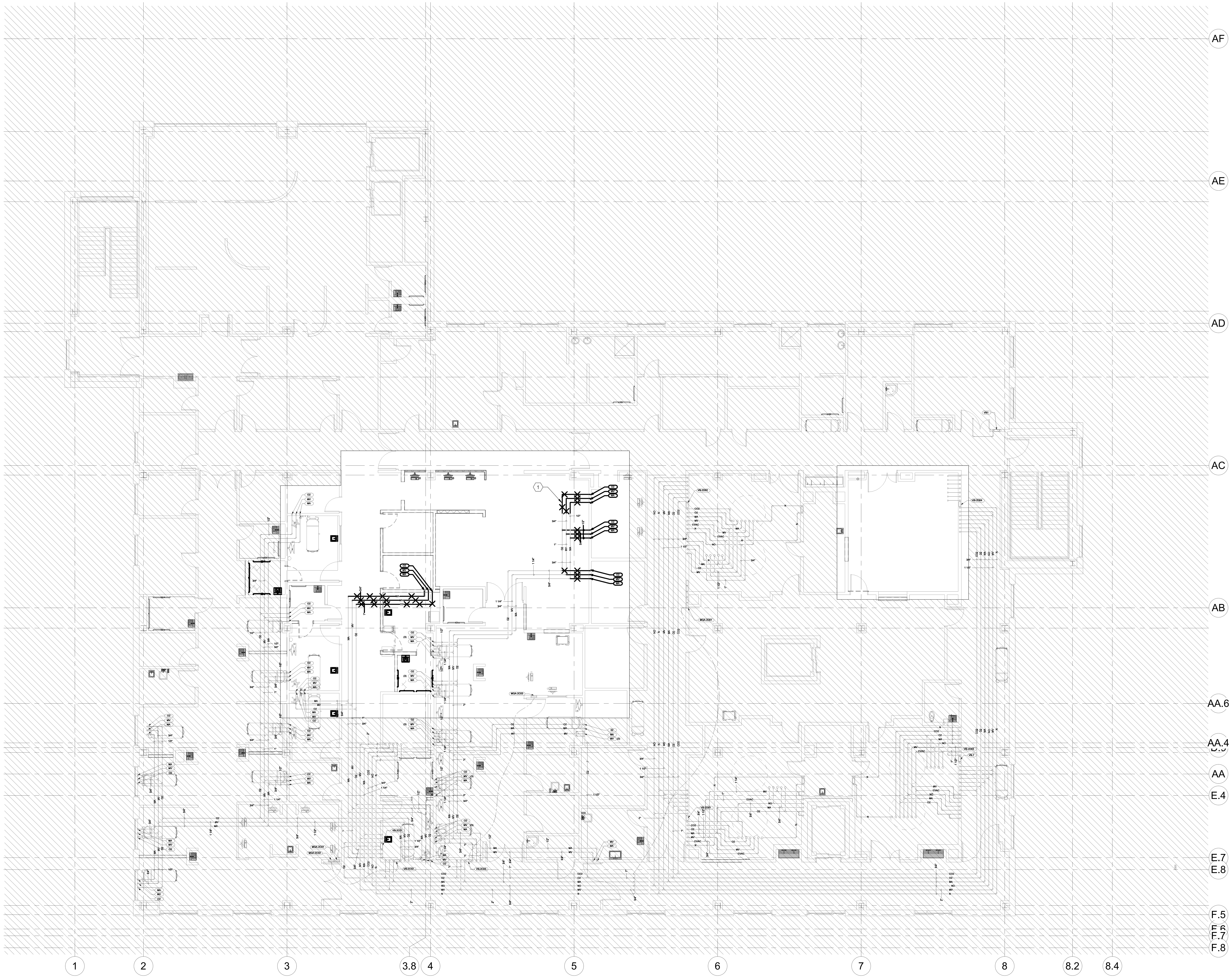
PLUMBING SCHEDULES

1/1/2023 8:28:59 AM

P601

KEYNOTES

1 EXISTING MEDICAL GAS OUTLETS AND PIPING ARE TO BE REMOVED AS SHOWN, TYPICAL.



1 LEVEL 3 PLUMBING DEMOLITION PLAN
MGD102 1/8" = 1'-0"

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INTERMOUNTAIN HEALTHCARE
3714 WEST 12600 SOUTH, RIVERTON, UTAH
CONFORMED SET

LEVEL 2 MEDICAL GAS
DEMOLITION PLAN

1/11/2023 9:29:07 AM

MGD102

KEYNOTES

1. PROVIDE AND INSTALL NEW MEDICAL GAS OUTLETS AND PIPING AS SHOWN, TYPICAL FOR ALL PRE-OP AND PACU SPACES.
2. PROVIDE AND INSTALL NITROGEN REGULATING PANEL. PANEL IS TO INCLUDE DISS NITOGEN OUTLET AND SECONDARY REMOTE OUTLET FOR NITOGEN OUTLET IN BOOM.
3. PROVIDE CONNECTION TO MEDICAL GAS BOOM AS SHOWN.
4. PROVIDE AND INSTALL MEDICAL GAS PIPES AS SHOWN. COODRINATE WITH AIR CURTAIN PLENUM, DUCTWORK, EXISTING STRUCTURAL KICKERS AND EXISTING CONDITIONS. TYPICAL.
5. MEDICAL GAS VACUUM, MEDICAL AIR AND OXYGEN PIPES ARE TO DROP DOWN CEILING AND CONNECT TO HEADWALL ASSEMBLY. SEE ARCHITECTURAL SHEETS.

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INTERMOUNTAIN HEALTHCARE
3714 WEST 12600 SOUTH, RIVERTON, UTAH
CONFORMED SET

LEVEL 2 MEDICAL GAS PLAN

1/1/2023 8:20:19 AM

MG102

1 MG102 LEVEL 3 PLUMBING PLAN
1/8" = 1'-0"

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
REFERENCE AND LINE SYMBOLS	
A5 / E-501	DETAIL INDICATOR: A5 INDICATES DETAIL NUMBER, E-501 INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
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.
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 100	ROOM IDENTIFIER WITH ROOM NAME AND NUMBER.
1	KEYNOTE INDICATOR.
1	REVISION INDICATOR.
CU-1	EQUIPMENT INDICATOR.
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.
	BREAK, STRAIGHT: TO BREAK PARTS OF DRAWING
	BREAK, ROUND
MATCH LINE / SEE XX/X-XXX	MATCH LINE INDICATOR: CENTER, EXTRA WIDE LINE.
	NEW LINE: MEDIUM LINE.
	HIDDEN FEATURES LINE: HIDDEN, THIN LINE
	EXISTING TO REMAIN LINE: THIN LINE.
	DEMOLITION LINE: DASHED, MEDIUM LINE
	PROPERTY LINE: DASHED, WIDE LINE.
	CONTRACT LIMIT LINE: DASHDOT, WIDE LINE.
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.
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.
WIRING METHODS	
	WIRING.
	WIRING TURNED UP OR TOWARDS OBSERVER.
	WIRING TURNED DOWN OR AWAY FROM OBSERVER.
A-1	SINGLE BRANCH CIRCUIT HOME RUN TO PANELBOARD WITH DEDICATED NEUTRAL CONDUCTOR. LETTER AND NUMBER NOTATION IDENTIFY PANEL AND CIRCUIT NUMBER.
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.
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.
	LOW VOLTAGE WIRING: DIVIDE, MEDIUM LINE.
	CONDUIT STUB. DIMENSION RECORD DRAWINGS AND MARK.
1	CONDUCTOR & CONDUIT ("CC") SCHEDULE INDICATOR. REFER TO ONE-LINE DIAGRAM.
HC	ADA ACCESS PUSH PLATE
	JUNCTION BOX.
C	JUNCTION BOX, CEILING.
SC	JUNCTION BOX, SYSTEMS FURNITURE COMMUNICATION CONNECTION.
SP	JUNCTION BOX, SYSTEMS FURNITURE POWER CONNECTION.
PB	PULL BOX.
A"xB" / +/-C'-D"	CABLE TRAY ABOVE ACCESSIBLE CEILING. "A" DENOTES CABLE TRAY WIDTH, "B" DENOTES CABLETRAY DEPTH. +/-C'-D" DENOTES CABLE TRAY ELEVATION ABOVE OR BELOW FINISHED SURFACE.
	LADDER RACK.
—J——J—	CABLE J-HOOKS ABOVE ACCESSIBLE CEILING.
	MECHANICAL EQUIPMENT CONNECTION. REFER TO EQUIPMENT SCHEDULE FOR REQUIREMENTS.
EV	ELECTRIC VEHICLE CHARGING STATION.
	GROUND BUSBAR. REFER TO GROUNDING RISER DIAGRAM FOR ADDITIONAL INFORMATION.

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
WIRING DEVICES	
	RECEPTACLE, SINGLE: NEMA 5-20R.
	RECEPTACLE, DUPLEX: NEMA 5-20R.
A	RECEPTACLE, DUPLEX, ABOVE COUNTER: NEMA 5-20R.
C	RECEPTACLE, DUPLEX, CEILING: NEMA 5-20R.
D	RECEPTACLE, DUPLEX, DEDICATED CIRCUIT: NEMA 5-20R.
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.
IG	RECEPTACLE, DUPLEX, ISOLATED GROUND: NEMA 5-20R.
S	RECEPTACLE, DUPLEX, SWITCHED: NEMA 5-20R.
W	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WET LABEL, "WEATHERPROOF IN USE": NEMA 5-20R.
	RECEPTACLE, DUPLEX, HOSPITAL GRADE: NEMA 5-20R.
	RECEPTACLE, DUPLEX ON EMERGENCY POWER: NEMA 5-20R.
	RECEPTACLE, DUPLEX, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
	RECEPTACLE, DUPLEX, CONNECTED TO UPS: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
WP	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WEATHERPROOF: NEMA 5-20R.
	RECEPTACLE, DUPLEX, RECESSED: NEMA 5-20R.
S	RECEPTACLE, DUPLEX, SWITCHED, RECESSED: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX ON EMERGENCY POWER: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX, HOSPITAL GRADE: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX, CONNECTED TO UPS: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
	RECEPTACLE, SPECIAL PURPOSE. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
	RECEPTACLE, SPECIAL PURPOSE ON EMERGENCY POWER. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
D	RECEPTACLE, DRYER: NEMA 14-30R.
R	RECEPTACLE, RANGE: NEMA 14-50R.
	MULTI-OUTLET ASSEMBLY: NEMA 5-20R.
D	DROP CORD. SEE DETAIL.
T	THERMOSTAT.
FB#	FLUSH FLOOR BOX. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
PP#	POWER POLE. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
PT#	FLUSH FIRE RATED POKE THRU. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
	SWITCH, DIMMER.
$ X	SWITCH, SINGLE POLE ("x" INDICATES FIXTURES CONTROLLED).
$2 X	SWITCH, DOUBLE POLE ("x" INDICATES FIXTURES CONTROLLED).
$3 X	SWITCH, THREE-WAY ("x" INDICATES FIXTURES CONTROLLED).
$4 X	SWITCH, FOUR-WAY ("x" INDICATES FIXTURES CONTROLLED).
$DS	SWITCH, DOOR.
$K	SWITCH, KEY OPERATED.
$P	SWITCH, PILOT LIGHT.
$T	SWITCH, TIMER OPERATED.
$WP	SWITCH, WEATHERPROOF.
T	RECEPTACLE, DUPLEX, TAMPER RESISTANT: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, CONNECTED TO UPS: NEMA 5-20R.
	RECEPTACLE, SINGLE PLEX, WITH USB OUTLET
	RECEPTACLE, DULEX, RECESSED, NEMA 5-20R, AUTOMATICALLY CONTROLLED THROUGH TIME OR OCCUPANCY BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD)
	RECEPTACLE, QUADRAPLEX, RECESSED, NEMA 5-20R, AUTOMATICALLY CONTROLLED THROUGH TIME OR OCCUPANCY BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD)
	INDICATES A RECEPTACLE IS AUTOMATICALLY CONTROLLED THROUGH TIME OR OCCUPANCY BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD)

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
SITE ELECTRICAL AND COMMUNICATIONS UTILITIES	
—3ØUP—	ELECTRIC LINE: THIN LINE. 1Ø = SINGLE PHASE, 2Ø = 2-PHASE, 3Ø = 3-PHASE, O = OVERHEAD, U = UNDERGROUND, P = PRIMARY, S = SECONDARY
	LIGHTNING ARRESTOR.
	UTILITY POLE.
	UTILITY, DISTRIBUTION SWITCH OR SWITCHING STATION.
E	UTILITY, PRIMARY ELECTRICAL HAND HOLE.
M	UTILITY SERVICES, MANHOLE.
C	UTILITY, COMMUNICATIONS MANHOLE.
E	UTILITY, ELECTRICAL MANHOLE.
T	UTILITY, TELEPHONE MANHOLE.
C	PRECAST CONCRETE, COMMUNICATION VAULT.
E	PRECAST CONCRETE, ELECTRICAL VAULT.
T	PRECAST CONCRETE, TELEPHONE VAULT.
TM	PRECAST CONCRETE, MANHOLE, TRANSFORMER VAULT.
TP	PRECAST CONCRETE, TRANSFORMER PAD.
H	HAND HOLE.
S	SUBSTATION.
T	TRANSFORMER.
ELECTRICAL POWER AND DISTRIBUTION	
	FUSE WITH RATING (ONE-LINE DIAGRAM).
	DISCONNECT, FUSED (ONE-LINE DIAGRAM).
	DISCONNECT, NONFUSED (ONE-LINE DIAGRAM).
	DISCONNECT WITH FUSE AND MOTOR STARTER COMBINATION (ONE-LINE DIAGRAM).
	OVERLOAD RELAY (ONE-LINE DIAGRAM).
	STARTER (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, MOLDED CASE (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, MOLDED CASE WITH SHUNT TRIP (ONE-LINE DIAGRAM).
MCP	CIRCUIT BREAKER, MOTOR CIRCUIT PROTECTION (ONE-LINE DIAGRAM).
#AF / #AT	CIRCUIT BREAKER, ADJUSTABLE TRIP. "225AF" REPRESENTS THE RATING AND "150AT" REPRESENTS THE TRIP SETTING. (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, SOLID STATE (ONE-LINE DIAGRAM).
GFP	CIRCUIT BREAKER, SOLID STATE WITH GROUND FAULT PROTECTION (ONE-LINE DIAGRAM).
	MOTOR.
	TRANSFORMER (ONE-LINE DIAGRAM).
	TRANSFORMER, CURRENT (ONE-LINE DIAGRAM).
	BATTERY (ONE-LINE DIAGRAM).
	CAPACITOR (ONE-LINE DIAGRAM).
	DELTA CONNECTION (ONE-LINE DIAGRAM).
	WYE CONNECTION (ONE-LINE DIAGRAM).
"1DPHA"	DISTRIBUTION PANELBOARD, MOTOR CONTROL CENTER, PLUG-IN BUSWAY, MEDIUM VOLTAGE SWITCHBOARD (ONE-LINE DIAGRAM).
"1H"	PANELBOARD (ONE-LINE DIAGRAM).
225/3 "1H"	PANELBOARD WITH MAIN LUGS ONLY. BUS SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
225/3 "1H"	PANELBOARD WITH MAIN CIRCUIT BREAKER. SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
225/3 "1H" 60/3	PANELBOARD WITH MAIN AND SUB FEED CIRCUIT BREAKER (ONE-LINE DIAGRAM).

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
ELECTRICAL POWER AND DISTRIBUTION	
225/3 "1H" 25/3	PANELBOARD WITH MAIN LUGS ONLY AND SURGE PROTECTION WITH CIRCUIT BREAKER (ONE-LINE DIAGRAM).
225/3 "1H" 225/3 "1H"	PANELBOARD WITH SUB FEED LUGS (ONE-LINE DIAGRAM).
225/3 "1H" "1H"	PANELBOARD WITH CIRCUIT BREAKER AND SUB FEED LUGS (ONE-LINE DIAGRAM).
	CT CABINET PER UTILITY'S REQUIREMENTS (ONE-LINE DIAGRAM).
	CT CABINET PER UTILITY'S REQUIREMENTS (ONE-LINE DIAGRAM).
	TRANSFER SWITCH (ONE-LINE DIAGRAM).
DMM	DIGITAL MULTIMETER (ONE-LINE DIAGRAM).
	EARTH GROUND (ONE-LINE DIAGRAM).
	SERVICE ENTRANCE SURGE PROTECTION (ONE-LINE DIAGRAM).
G	GENERATOR, ANNUNCIATOR (ONE-LINE DIAGRAM).
EPO	PUSH BUTTON, REMOTE EMERGENCY STOP.
G	GENERATOR, POWER (ONE-LINE DIAGRAM).
K	KIRK-KEY MECHANICAL INTERLOCK (ONE-LINE DIAGRAM)
M	METER.
BBF	BROAD BAND FILTER (ONE-LINE DIAGRAM).
VFC VFD	VARIABLE FREQUENCY MOTOR CONTROLLER (ONE-LINE DIAGRAM).
	DIODE (ONE-LINE DIAGRAM).
	DISCONNECT SWITCH, FUSED.
	DISCONNECT SWITCH, UNFUSED.
	STARTER, COMBINATION WITH DISCONNECT SWITCH.
	STARTER OR MOTOR CONTROLLER.
	PUSHBUTTON.
	PUSHBUTTONS, MOTOR CONTROL.
	PANELBOARD CABINET, FLUSH MOUNTED.
	PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.
	PANELBOARD CABINET, SURFACE MOUNTED, 2 SECTION.
DP#__	DISTRIBUTION PANEL OR SWITCHBOARD.
LP	LIGHTING RELAY, CONTACTOR PANEL, OR DIMMING ENCLOSURE.
$ST	SWITCH, TOGGLE MOTOR STARTER WITH OVERLOAD PROTECTION.
	TRANSFORMER (SEE ONE-LINE FOR SIZE)
B B	BUSWAY.
	RELAY CONTACT, NORMALLY CLOSED (ONE-LINE DIAGRAM).
	RELAY CONTACT, NORMALLY OPEN (ONE-LINE DIAGRAM).
	PUSHBUTTON, NORMALLY CLOSED (ONE-LINE DIAGRAM).
	PUSHBUTTON, NORMALLY OPEN (ONE-LINE DIAGRAM).
	PRESSURE SWITCH, CLOSE ON INCREASE (ONE-LINE DIAGRAM).
	PRESSURE SWITCH, OPEN ON INCREASE (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY CLOSED FLOAT (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY OPEN FLOAT (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY CLOSED LIMIT (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY OPEN LIMIT (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY CLOSED TEMPERATURE ACTIVATED (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY OPEN TEMPERATURE ACTIVATED (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY CLOSED TIME DELAY (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY OPEN TIME DELAY (ONE-LINE DIAGRAM).
	SWITCH, NORMALLY CLOSED FOOT OPERATED (ONE-LINE DIAGRAM).
	SWITCH, MULTIPOSITION (ONE-LINE DIAGRAM).
	SWITCH, SINGLE BREAK (ONE-LINE DIAGRAM).
	SPECIALIZED TRANSFER SWITCH (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, DRAW OUT (ONE-LINE DIAGRAM).
GESM	GENERATOR ENGINE START MONITORING SYSTEM GENERATOR MODULE (ONE-LINE DIAGRAM).
ESM	GENERATOR ENGINE START MONITORING SYSTEM ATS MODULE (ONE-LINE DIAGRAM).
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
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
C	CEILING MOUNTED
CAT	CATEGORY
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
E	ENHANCED
EA	EACH
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ENT	ELECTRIC NONMETALLIC TUBING
EPO	EMERGENCY POWER OFF
EQUIP	EQUIPMENT
ER	EQUIPMENT ROOM
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
FPP	FIBER PATCH PANEL
FVNR	FULL VOLTAGE NON-REVERSING
FVR	FULL VOLTAGE REVERSING
GEN	GENERATOR
GFCI	GROUND FAULT INTERRUPTER
GFP	GROUND FAULT PROTECTION
GIG	GIGA HERTZ
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
HWM	HORIZONTAL WIRE MANAGEMENT
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
OE	OWNER ELECTRONICS
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
PNM	PLENUM
PR	PAIR
PS	POWER SUPPLY
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
RPP	RISER PATCH PANEL
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
SPP	STATION PATCH PANEL
SPST	SINGLE POLE, SINGLE THROW
ST	SINGLE THROW
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TL	TWIST LOCK
TP	TELEPHONE POLE
TP	TWISTED PAIR
TR	TELECOMMMUNICATIONS ROOM
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
VWM	VERTICAL WIRE MANAGEMENT
W/	WITH
W/O	WITHOUT
WP	WEATHERPROOF
WPP	WIRELESS PATCH PANEL
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 ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
801.575.8800
VCBO.COM

LICENSED PROFESSIONAL ENGINEER No. 185978 PETER E. JOHANSEN STATE OF UTAH
01/18/23

REV | DATE | DESCRIPTION

VCBO NUMBER: 22240
CLIENT NUMBER: 10014193
DATE: 2023.01.18

RIVERTON - DUAL USE AMBULATORY SURGERY CENTER

INTERMOUNTAIN HEALTHCARE
3741 WEST 12600 SOUTH, RIVERTON, UTAH
CONFORMED SET

SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTES

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EE001

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
LIGHTING	
(W-3)	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
(W-3E)	FIXTURE IDENTIFICATION: EMERGENCY LIGHTING FIXTURE WITH BATTERY PACK AND/ OR GENERATOR AND/ OR CENTRALIZED INVERTER AND/ OR CENTRALIZED UPS CONNECTION AS INDICATED IN PLANS. (W-3E) INDICATES FIXTURE TYPE AS SCHEDULED.
EM	EMERGENCY.
NL	NIGHT LIGHT: DO NOT SWITCH.
	EGRESS DIRECTION ARROW (EXIT SIGNS).
	EXIT SIGN: SINGLE FACE; CEILING MOUNTED
	EXIT SIGN: SINGLE FACE; WALL MOUNTED
	EXIT SIGN: DOUBLE FACE; CEILING MOUNTED
	EXIT SIGN: DOUBLE FACE; WALL MOUNTED
LIGHTING CONTROL	
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL.
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, DIRECTIONAL.
P	PHOTOCELL.
P	PHOTOCELL, WALL MOUNTED.
	VACANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
	VACANCY SENSOR, DUAL TECHNOLOGY, WALL.
	CEILING FAN.
	SWITCH/OCCUPANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
	SWITCH/VACANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
	DIMMER SWITCH/OCCUPANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
	DIMMER SWITCH/VACANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
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)
RC	DIGITAL LIGHTING ROOM CONTROLLER
DC	DIGITAL LIGHTING DIMMING CONTROLLER
LC	DIGITAL PLUG LOAD CONTROLLER
LS	LIGHTING NETWORK SWITCH.
NR	LIGHTING NETWORK ROUTER.
SM	LIGHTING NETWORK SEGMENT MANAGER
NB	LIGHTING NETWORK BRIDGE
ET	LIGHTING EMERGENCY TRANSFER DEVICE
L X	LIGHTING SPACE CONTROL TYPE. X INDICATES TYPE. SEE SCHEDULE / DIAGRAM.
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
FIRE ALARM	
FAA	FIRE ALARM ANNUNCIATOR PANEL.
FACP	FIRE ALARM CONTROL PANEL, SEMI-RECESSED.
FATC	FIRE ALARM TERMINAL CABINET: NAC, SLC, SPEAKER CIRCUITS; AMPLIFIERS, BATTERIES
HVAC	CONTROL PANEL FOR HVAC: SMOKE CONTROL, STAIR PRESSURIZATION.
EVAC	VOICE EVACUATION PANEL.
PRE	PRE-ACTION CONTROL PANEL.
MIC	REMOTE VOICE EVACUATION MICROPHONE.
FPC	FIRE PUMP CONTROLLER.
JPC	JOCKEY PUMP CONTROLLER.
C	AUTOMATIC DOOR CLOSERS: DOOR CLOSERS SHALL BE FURNISHED WITH DOOR HARDWARE AND CONNECTED BY FIRE ALARM INSTALLER.
CM	CONTROL MODULE.
MM	MONITOR MODULE.
F	FIRE ALARM MANUAL PULL STATION.
R	SHUT DOWN RELAY: INSTALL RELAY IN CONTROL CIRCUIT OF EQUIPMENT TO BE CONTROLLED IN THE EVENT OF A FIRE.
FS	WATER FLOW SWITCH. FLOW SWITCHES SHALL BE PROVIDED AND INSTALLED BY FIRE SPRINKLER CONTRACTOR AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
VS	VALVE SUPERVISORY SWITCH, TAMPER SWITCH. TAMPER SWITCHES SHALL BE PROVIDED AND INSTALLED BY FIRE SPRINKLER CONTRACTOR AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
PS	PRESSURE SUPERVISORY SWITCH. PRESSURE SWITCHES SHALL BE PROVIDED AND INSTALLED BY FIRE SPRINKLER CONTRACTOR AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS..
	MAGNETIC DOOR HOLDER.
	DETECTOR, SMOKE.
H	DETECTOR, SMOKE, WALL MOUNTED.
A	DETECTOR, SMOKE WITH AUXILIARY CONTACT.
BR	DETECTOR, SMOKE, BEAM RECEIVER.
BT	DETECTOR, SMOKE, BEAM TRANSMITTER.
E	DETECTOR, SMOKE, ELEVATOR RECALL DESIGNATION.
G	DETECTOR, SMOKE WITH GUARD.
R	DETECTOR, SMOKE, RESIDENTIAL.
S	DETECTOR, SMOKE WITH STROBE.
RS	DETECTOR, SMOKE, RESIDENTIAL WITH SOUNDER BASE.
AS	DETECTOR, SMOKE, AIR SAMPLING SYSTEM PORT LOCATION.
	DETECTOR, SMOKE, DUCT WITH HOUSING AND SAMPLING TUBE.
SD	SMOKE DAMPER. 120V POWER FROM ELECTRICAL SYSTEM.
FSD	COMBINATION FIRE/SMOKE DAMPER. 120V POWER FROM ELECTRICAL SYSTEM.
RTS	REMOTE ALARM INDICATING AND TEST SWITCH.
	DETECTOR, HEAT.
CO	DETECTOR, CARBON MONOXIDE.
	STROBE, WALL MOUNTED.
75	STROBE, WALL MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
WP	ALARM, HORN/SPEAKER, WALL MOUNTED, WEATHERPROOF.
	ALARM, HORN/STROBE, WALL MOUNTED, ONE ASSEMBLY.
75	ALARM, HORN/STROBE, WALL MOUNTED, ONE ASSEMBLY. SUBSCRIPT INDICATES CANDELA RATING.
C	ALARM, CHIME/STROBE, WALL MOUNTED, ONE ASSEMBLY.
G	ALARM, HORN/STROBE WITH GUARD, WALL MOUNTED, ONE ASSEMBLY.
M	ALARM, MINI HORN/STROBE, WALL MOUNTED, ONE ASSEMBLY.
	SPEAKER, WALL MOUNTED, EVACUATION.
	SPEAKER, WALL MOUNTED, EVACUATION, COMBINATION STROBE.
75	SPEAKER, WALL MOUNTED, EVACUATION, COMBINATION STROBE. SUBSCRIPT INDICATES CANDELLA RATING.
75	ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
75	ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
75	SPEAKER/STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	SPEAKER, CEILING MOUNTED.
75	ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	BELL, ELECTRIC, 120V FROM ELECTRICAL SYSTEM OR 24V FROM FIRE ALARM SYSTEM

SYMBOLS LEGEND

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

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SYMBOLS LEGEND

EE002

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	

COPPER PATCH CORD SCHEDULE

(CATEGORY 5E CABLES W/RJ-45 CONNECTORS)

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

FIBER PATCH CORD SCHEDULE

(SINGLE-MODE W/LC CONNECTORS)

LENGTH (METER)	COLOR	QUANTITY	UNIT COST (EACH)
3	YELLOW	4	-
5	YELLOW	4	-

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	

CLINICAL ENGINEERING PATCH CORD SCHEDULE

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

LENGTH (METER)	COLOR	QUANTITY	UNIT COST (EACH)
5'	ORANGE	70% OF TOTAL PORTS IN TDR'S	
7'	ORANGE	30% 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 F/UTP RISER, DATA, BLUE	SIEMON 9A6R4-A5-06-R1A
	STATION CABLE, DATA - CATEGORY 6A F/UTP RISER, CLINICAL ENGINEERING/ MONITORING, ORANGE	SIEMON 9A6R4-A5-02-R1A
	STATION CABLE, DATA - CATEGORY 6A F/UTP RISER, WIRELESS, YELLOW	SIEMON 9A6R4-A5-05-R1A
	STATION CABLE, DATA - CATEGORY 6A F/UTP RISER, SECURITY, BLUE	SIEMON 9A6P4-A5-06-R1A
	FIBER OPTIC CABLE, SINGLE-MODE, 24 STRAND, INDOOR/OUTDOOR, BLACK	SIEMON 9CD8P024L-E201A
▽	VOICE OUTLET, SINGLE GANG FACEPLATE, WHITE W/ WALL HUNG PHONE MOUNTING STUDS, ONE POSITION W/ CATEGORY 6A INSERT	SIEMON MX-WP-Z6AS-SS
M ▽ MC ▽	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION ("C" = CEILING, "M = MONITORING")	SIEMON 10GMX-FPS04-02
	CATEGORY 6A JACK - CLINICAL ENGINEERING/ MONITORING, ORANGE	SIEMON Z6A-S09
	BLANK INSERT, WHITE	SIEMON MX-BL-02
▽ A ▽	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION ("A" = ABOVE COUNTER)	SIEMON 10GMX-FPS04-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	BLANK INSERT, WHITE	SIEMON MX-BL-02
M ▽	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION ("M" = MONITORING)	SIEMON 10GMX-FPS04-02
	CATEGORY 6A JACK - CLINICAL ENGINEERING/ MONITORING, ORANGE	SIEMON Z6A-S09
	BLANK INSERT, WHITE	SIEMON MX-BL-02
4C ▼	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION ("C" = CEILING)	SIEMON 10GMX-FPS04-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
C	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 2 POSITION ("C" = CEILING)	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
RPP1	48 PORT, 2RU ANGLE PATCH PANEL, 110 STYLE	SIEMON HD5-48A
CEPP1	48 PORT, 1RU ANGLED PATCH PANEL WITH OUTLETS	SIEMON Z6AS-PA-48
NCPP1	48 PORT, 2RU ANGLE PATCH PANEL, 110 STYLE	SIEMON HD5-48A
	FIBER PATCH PANEL, 3RU	SIEMON RIC3-48E-01
FPP1	FIBER SPLICE CASSETTE, 12 FIBER, LC CONNECTOR	SIEMON RSC12-LCUSMA1
	BLANK ADAPTER PLATE, BLACK	SIEMON RIC-F-BLNK-01
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 - 24", BLACK WITH ALL REQUIRED MOUNTING ACCESSORIES	CHATSWORTH 10250-724
	CABLE RUNWAY - 18", BLACK WITH ALL REQUIRED MOUNTING ACCESSORIES	CHATSWORTH 10250-718
	BUTT SPLICE KIT, BLACK	CHATSWORTH 11301-701
	JUNCTION SPLICE KIT, BLACK	CHATSWORTH 11302-701
	FOOT KIT, BLACK	CHATSWORTH 11309-701
	6" CHANNEL RACK TO RUNWAY, BLACK	CHATSWORTH 12409-724
	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
	PLYWOOD BACKBOARD, 4' X 8', GRADE AC, FIRE TREATED & PAINTED	
	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'-0" OF EXCESS CABLE AT THE STATION END FOR FUTURE USE. NEATLY COIL 15'-0" 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 DOES NOT HAVE RACK ALLOCATION SPACE, 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.
11. ENSURE ALL CABLES ARE PROTECTED FROM ANY PAINT OR INCIDENTAL OVERSPRAY. COORDINATE WITH OTHER TRADES TO ENSURE CABLE IS NOT PAINTED. THIS WILL VOID THE WARRANTY.

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LICENSED PROFESSIONAL ENGINEER
No. 185978
PETER E. JOHANSEN
01/18/23

REV	DATE	DESCRIPTION

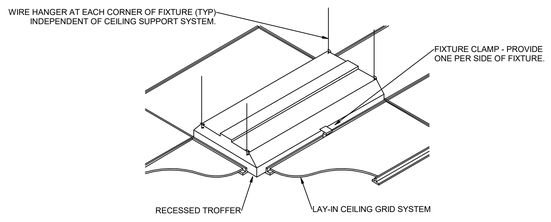
VCBO NUMBER: 22240
CLIENT NUMBER: 10014193
DATE: 2023.01.18

RIVERTON - DUAL USE AMBULATORY SURGERY CENTER

INTERMOUNTAIN HEALTHCARE
3741 WEST 12600 SOUTH, RIVERTON, UTAH
CONFORMED SET

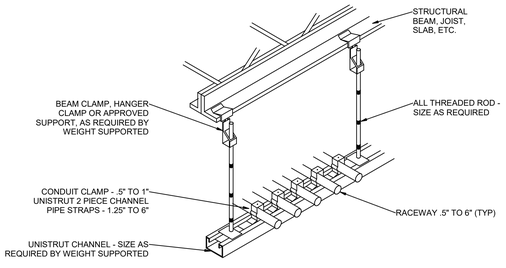
TELECOM SCHEDULES AND NOTES

EE003



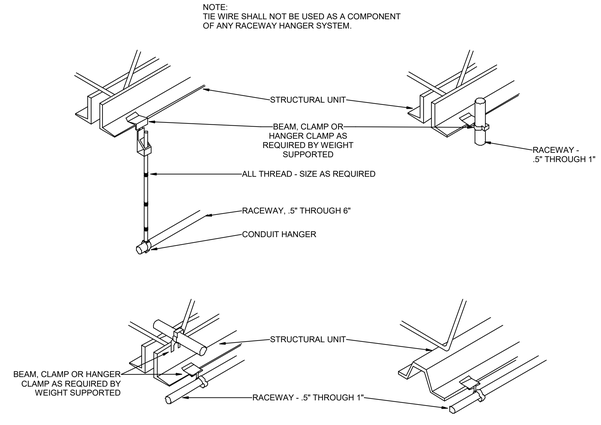
B1 RECESSED FIXTURE MOUNTING DETAIL

SCALE: NTS



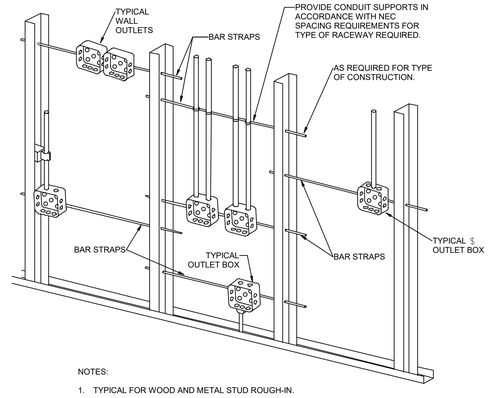
A1 TYPICAL CONDUIT RACK DETAIL

SCALE: NTS



A3 TYPICAL RACEWAY SUPPORT METHODS DETAIL

SCALE: NTS



NOTES:

1. TYPICAL FOR WOOD AND METAL STUD ROUGH-IN.
2. PLASTER RINGS NOT SHOWN.
3. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND WITH ALL APPLICABLE SHOP DRAWINGS.
4. 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: NTS

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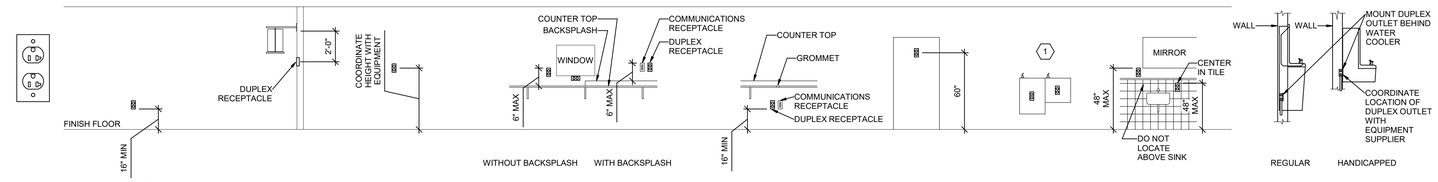
ELECTRICAL DETAILS

EE501

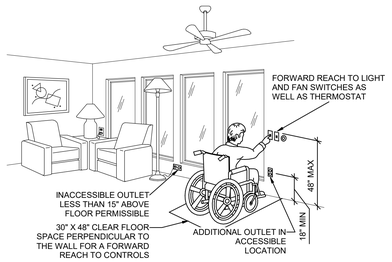


DUPLEX RECEPTACLES | GENERAL USE: NO SPECIAL REQUIREMENTS | WALL BRACKET TV | DEDICATED RECEPTACLE FOR SPECIAL EQUIPMENT | RECEPTACLES ABOVE COUNTER (WITHOUT BACKSPLASH / WITH BACKSPLASH) | RECEPTACLES BELOW COUNTER | FULL HEIGHT REFRIGERATORS AND VENDING MACHINES | DRINKING FOUNTAIN | TILE WALLS | DRINKING FOUNTAIN - SIDE ELEVATIONS (REGULAR / HANDICAPPED)

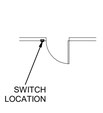
REFER TO ARCHITECTURAL ELEVATIONS FOR PLACEMENT OF OUTLETS.

E2 RECEPTACLE MOUNTING DETAILS

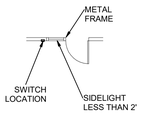
SCALE: NTS



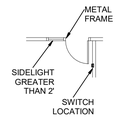
SWITCHES



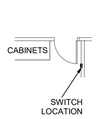
STANDARD DOOR



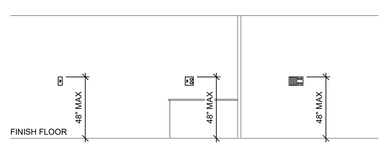
DOOR WITH SIDELIGHT LESS THAN 2'



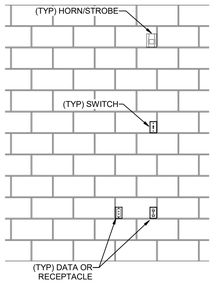
DOOR WITH SIDELIGHT GREATER THAN 2'



DOOR WITH NO PLACE FOR SWITCH AT LATCH SIDE



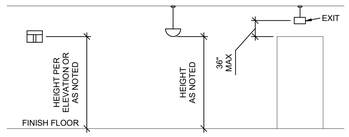
GENERAL USE: ADA | COMBINATION 48" MAX PLATE FOR SWITCH AND RECEPTACLE IN RESIDENTIAL BATHROOM | LIGHTING CONTROL STATION



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

D2 ADA DETAIL

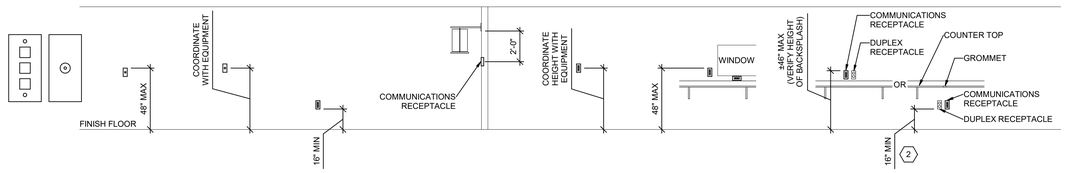
SCALE: NTS



WALL MOUNTED LIGHT FIXTURE | PENDANT LIGHT FIXTURE | PENDANT EXIT SIGNS

D3 SWITCH MOUNTING DETAILS

SCALE: NTS



COMMUNICATION RECEPTACLES | WALL PHONE | PAY PHONE | GENERAL USE: NO SPECIAL REQUIREMENTS | WALL BRACKET TV | DEDICATED RECEPTACLE FOR SPECIAL EQUIPMENT | ABOVE COUNTER - TYPICAL | RECEPTACLES ABOVE OR BELOW COUNTER

C1 CMU DEVICE MOUNTING ALIGNMENT DETAIL

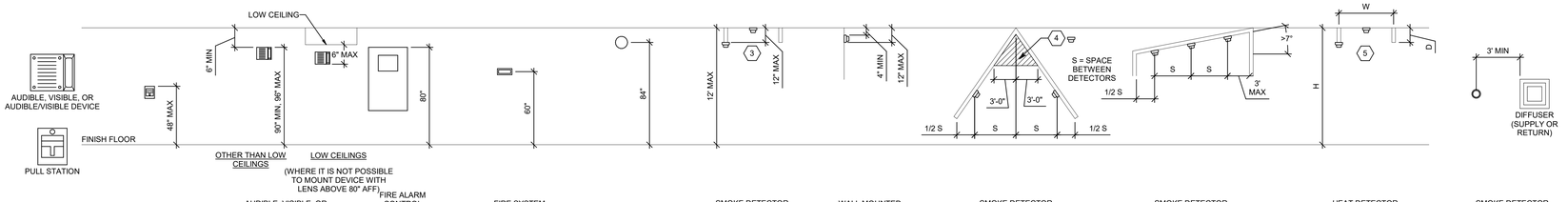
SCALE: NTS

C2 LIGHTING MOUNTING DETAILS

SCALE: NTS

C3 COMMUNICATIONS MOUNTING DETAILS

SCALE: NTS



OTHER THAN LOW CEILINGS | LOW CEILINGS (WHERE IT IS NOT POSSIBLE TO MOUNT DEVICE WITH LENS ABOVE 80" AFF)

FIRE ALARM | PULL STATION | AUDIBLE, VISIBLE, OR AUDIBLE/VISIBLE DEVICE | FIRE ALARM CONTROL PANEL "FCP" | FIRE SYSTEM ANNUNCIATOR "FSA" | BELL | SMOKE DETECTOR BETWEEN BEAMS | WALL MOUNTED SMOKE DETECTOR | SMOKE DETECTOR ON SLOPED CEILING (PEAKED) | SMOKE DETECTOR ON SLOPED CEILING (SHED) | HEAT DETECTOR BETWEEN BEAMS | SMOKE DETECTOR ADJACENT TO SUPPLY AIR

B1 FIRE ALARM MOUNTING DETAILS

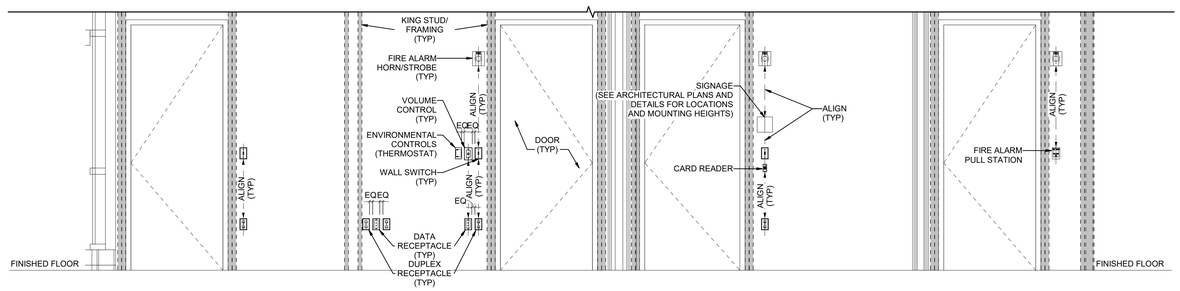
SCALE: NTS

FOR LESS THAN 24" SEPARATION, PROVIDE LISTED SOUND AND FIRE PUTTY PADS

BOXES ON OPPOSITE SIDES OF WALL

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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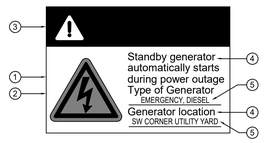
TYPICAL MOUNTING HEIGHT DETAILS

EE701

Autodesk Docs://22240 - Intermountain Riverton Hospital /ASC/220334 ELEC CENTRAL.rvt



1. LABEL TO BE PROVIDED THAT IS TO BE 4" X REQUIRED LENGTH X 1/16" LAMINATED 2-PLY PLASTIC LAMACOID. LETTERS SHALL BE FORMED BY ENGRAVING OUTER WHITE PLY, EXPOSING BLACK PLY BENEATH. LABEL SHALL BE INSTALLED AT THE SERVICE ENTRANCE EQUIPMENT.
2. LABEL IS TO BE MOUNTED USING DOUBLE SIDED ADHESIVE TAPE COVERING THE BACK OF THE LABEL.
3. FIRST LINE: LETTERING IS TO BE 1/2" HIGH, CENTERED.
4. SECOND SET OF LINES: LETTERING IS TO BE 3/8" HIGH, CENTERED, AND FORMATTED AS SHOWN.
5. THIRD SET OF LINES: LETTERING TO BE 3/16" HIGH, CENTERED, AND FORMATTED AS SHOWN. UPDATE TYPE OF GENERATOR AND GENERATOR LOCATIONS FOR ACTUAL PROJECT VALUES.

C1 SERVICE ENTRANCE EQUIPMENT GENERATOR SIGNAGE LABEL

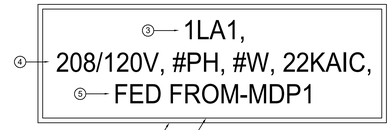
SCALE: NTS

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. LABEL SHALL BE INSTALLED AT THE NORMAL POWER SOURCE EQUIPMENT.
2. LABEL IS TO BE MOUNTED USING DOUBLE SIDED ADHESIVE TAPE COVERING THE BACK OF THE LABEL.
3. FIRST LINE: LETTERING IS TO BE 1/2" HIGH, CENTERED.
4. SECOND SET OF LINES: LETTERING IS TO BE 1/4" HIGH, CENTERED, AND FORMATTED AS SHOWN.

C2 GENERATOR GROUNDING LABEL

SCALE: NTS

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.

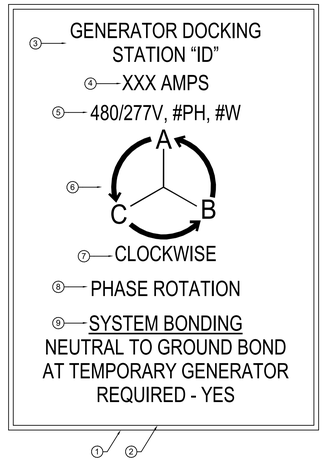
D4 TYPICAL PANELBOARD/SWITCHBOARD LABEL

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.

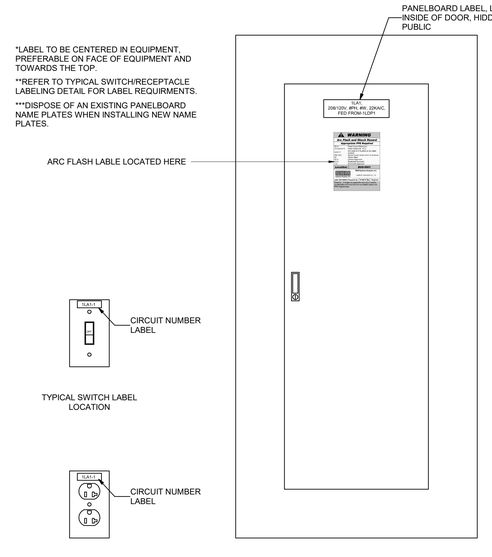
A1 GENERATOR DOCKING STATION LABEL

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/SWITCHBOARD LABELING LOCATION DETAIL

SCALE: NTS

VCBO ARCHITECTURE
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801.575.8800
VCBO.COM

LICENSED PROFESSIONAL ENGINEER
No. 185978
PETER E. JOHANSEN
01/18/23

REV	DATE	DESCRIPTION

VCBO NUMBER:	22240
CLIENT NUMBER:	10014193
DATE:	2023.01.18

RIVERTON - DUAL USE AMBULATORY SURGERY CENTER

INTERMOUNTAIN HEALTHCARE
3741 WEST 12600 SOUTH, RIVERTON, UTAH
CONFORMED SET

TYPICAL LABELING DETAILS

EE702

SHEET KEYNOTES

1 CONTRACTOR TO ROUTE 2 EA., 4" CND FROM NEW TDR 1D40 TO "HH-1" FOR CABLE PATHWAY. COORDINATE BEST ROUTE WITH OTHER TRADES.

12600 SOUTH STREET

3600 WEST STREET

"HH-1"

"HH-2"

2 EA., 4" CND W/ 3 EA., 1.25" INNERDUCT IN EA. CND.

EXISTING 4 EA., 4" CND

LOT A

LOT B

LOT C

LOT D

LOT E

LOT F

LOT G

LOT H

LOT K

LOT L

LOT M

LOT N

PCMC

EXISTING HOSPITAL

CUP

HELIPAD

E.D. AMBULANCE ENTRANCE

DATA CENTER

LOADING DOCK

INPATIENT CARE CENTER ENTRY

MAIN ENTRY

ED ENTRY

AMBULANCE ENTRY

NEW ENTRY

TDR 1D40

BOLLARD TYP.

TOTAL = 132

Proposed CUP Expansion Bldg. Height 1 story

Grounds Bldg Bldg. Height 1 story

Proposed Cooling Tower Expansion

Cooling Towers

Gen Meter

Oxygen Tank Enclosure

OXYGEN DELIVERY

"EXISTING TELECOM HAND HOLE"

EXISTING 4 EA., 4" CND

NORTH

A1 TELECOM SITE PLAN

SCALE: 1" = 50'-0"

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TELECOM SITE PLAN

ES101

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A1 DEMOLITION POWER PLAN - LEVEL 01

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

NORTH

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

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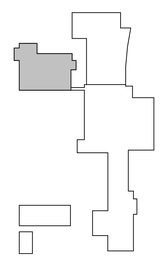
13 CONTRACTOR TO TRACE AND LABEL ALL EXISTING LOADS TO REMAIN, THAT ARE CURRENTLY FED FROM PANELS THAT ARE BEING DEMOLISHED IN THIS PHASE. THESE LOADS TO BE RE-FED FROM NEW PANELS IN NEXT PHASE.

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

SHEET KEYNOTES

KEY PLAN



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INTERMOUNTAIN HEALTHCARE
3741 WEST 12600 SOUTH, RIVERTON, UTAH
CONFORMED SET

DEMOLITION POWER PLAN - LEVEL 01

EDP101

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A1 DEMOLITION POWER PLAN - LEVEL 02

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

NORTH

GENERAL SHEET NOTES

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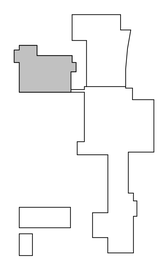
SHEET KEYNOTES

1 RELOCATE PAGING SPEAKER TO CORRIDOR CEILING.

2 REMOVE A/V CONNECTIONS BETWEEN NURSE STATION AND WAITING ROOM TV, AND TELEVISION IN PR-OR1.

KEY PLAN



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LICENSED PROFESSIONAL ENGINEER
No. 185978
PETER E. JOHANSEN
01/18/23

REV	DATE	DESCRIPTION
1	10/20/22	Addendum #01

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RIVERTON - DUAL USE AMBULATORY SURGERY CENTER

INTERMOUNTAIN HEALTHCARE
3741 WEST 12600 SOUTH, RIVERTON, UTAH
CONFORMED SET

DEMOLITION POWER PLAN - LEVEL 02

EDP102

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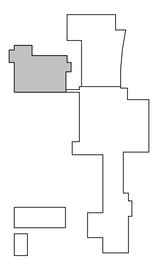

A1 DEMOLITION LIGHTING PLAN - LEVEL 01

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

NORTH

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PETER E. JOHANSEN
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INTERMOUNTAIN HEALTHCARE
3741 WEST 12600 SOUTH, RIVERTON, UTAH
CONFORMED SET

DEMOLITION LIGHTING PLAN - LEVEL 01

EDL101

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A1 DEMOLITION LIGHTING PLAN - LEVEL 02

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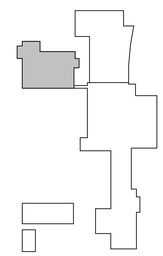

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DEMOLITION LIGHTING PLAN - LEVEL 02

EDL102

Autodesk Docs://22240 - Intermountain Riverton Hospital ASC/220334 ELEC CENTRAL.rvt

A1 POWER PLAN - LEVEL 01

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

NORTH

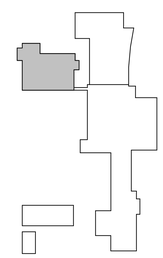
GENERAL SHEET NOTES

SHEET KEYNOTES

1 THE ROW OF RACKS SHALL HAVE FOUR NEMA L6-30R RACK MOUNTED RECEPTACLES AND TWO NEMA L5-20R RACK MOUNTED RECEPTACLES, WITH THE NEMA L5-20R RECEPTACLES MOUNTED IN THE CENTER OF THE ROW. FOR THE L6-30R RECEPTACLES USE #10 THWN WIRE SIZE AND FEED FROM 30/2 CIRCUIT BREAKERS IN UPS PANEL.

2 CIRCUIT INDOOR UNIT WITH OUTDOOR CONDENSING UNIT.

KEY PLAN



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POWER PLAN - LEVEL 01

EP101

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CLIENT:						JOB: UU ACC OR EXPSION						8/18/2022	CIRCUITS:	32
PANEL ID:	P20R2	MOUNT:	FLUSH			TYPE: BOLT-ON	BOLT-ON		120 VOLT 1 PHASE 3 WIRE ISOLATION PANEL					
45	AMPERE MAIN		BREAKER			LOCATION:						PANEL SIZE:	72"Hx32"Wx12"D	
ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR, LINE ISOLATION MONITORS, 7.5 KVA, 208-120 VOLT TRANSFORMERS, INDICATOR ALARMS, INDICATOR LIGHTS, STAINLESS STEEL COVER (BOTH PANEL SECTIONS UNDER COMMON COVER)														
EXISTING A SECTION POWER								SECTION 1						
CIR #	O/C PROT AMP	POLE	OUTLETS LTG	CO'S	PWR	DESCRIPTION	LCL KVA	LOAD KVA	LCL KVA	DESCRIPTION	OUTLETS LTG	CO'S	PWR	O/C PROT AMP	POLE	CIR #
1	20	2		2		EQUIP BOOM	0.4	0.8	0.4	EAST WALL PLGS		2		20	2	2
3	20	2		2		EQUIP BOOM	0.4	1.2	0.8	EAST WAL PLGS		4		20	2	4
5	20	2		2		ANESTHESIA BOOM	0.4	0.8	0.4	SOUTH WALL PLGS		2		20	2	6
7	20	2		3		NURSE CHART STN	0.6	1.2	0.6	WRK STN PLGS		3		20	2	8
9	20	2				SPARE	0	0.6	0.6	WEST WALL PLGS		3		20	2	10
11	20	2				SPARE	0	0	0	SPARE				20	2	12
13	20	2				SPARE	0	0	0	SPARE				20	2	14
15	20	2				SPARE	0	0	0	SPARE				20	2	16
TOTALS:			KVA					**4.6**	TOTAL KVA							**4.6**
			AMPS					**38**	AVERAGE AMPS							**19**

PANEL ID:	P20R2	MOUNT:	FLUSH			TYPE: BOLT-ON	BOLT-ON		120 VOLT 1 PHASE 3 WIRE ISOLATION PANEL					
45	AMPERE MAIN		BREAKER			LOCATION:						PANEL SIZE:	72"Hx32"Wx12"D	
ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR, LINE ISOLATION MONITORS, 7.5 KVA, 208-120 VOLT TRANSFORMERS, INDICATOR ALARMS, INDICATOR LIGHTS, STAINLESS STEEL COVER (BOTH PANEL SECTIONS UNDER COMMON COVER)														
EXISTING B SECTION POWER								SECTION 2						
CIR #	O/C PROT AMP	POLE	OUTLETS LTG	CO'S	PWR	DESCRIPTION	LCL KVA	LOAD KVA	LCL KVA	DESCRIPTION	OUTLETS LTG	CO'S	PWR	O/C PROT AMP	POLE	CIR #
1	20	2		3		EQUIP BOOM	0.6	1	0.4	EAST WALL PLGS		2		20	2	2
3	20	2		3		EQUIP BOOM	0.6	1	0.4	SOUTH WALL PLGS		2		20	2	4
5	20	2		2		ANESTHESIA BOOM	0.4	0.8	0.4	SOUTH WALL PLGS		2		20	2	6
7	20	2		2		ANESTHESIA BOOM	0.4	0.8	0.4	WRK STN PLGS		2		20	2	8
9	20	2		3		NURSE CHART STNS	0.4	0.4	0	SPARE				20	2	10
11	20	2				SPARE	0	0	0	SPARE				20	2	12
13	20	2				SPARE	0	0	0	SPARE				20	2	14
15	20	2				SPARE	0	0	0	SPARE				20	2	16
TOTALS:			KVA					**4**	TOTAL KVA							**4**
			AMPS					**33**	AVERAGE AMPS							**17**
WIRING:														
NOTE														

GENERAL SHEET NOTES

1 ALL RECEPTACLES TO BE HOSPITAL GRADE TAMPER PROOF. THE O.R. ROOM AND NURSE STATION DOES NOT NEED TO BE TAMPER PROOF.

SHEET KEYNOTES

1 ELAPSED TIME CLOCK AND RESET BUTTON.

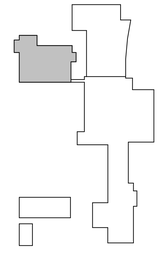
2 CONTRACTOR TO REPLACE LIM CONTROL PANEL IN SCHNEIDER SQUARE D ISOLATION PANEL. THE LEAKAGE CURRENT DISPLAY IS INACCURATE.

3 PROVIDE A ANNUNCIATOR PANEL AND CONNECT TO EXISTING SQUARE D ISOLATION PANEL.

4 POWER AND DATA TO ANESTHESIA BOOM. CONTRACTOR TO INSTALL AND TERMINATE DATA CABLING.

5 POWER AND DATA TO EQUIPMENT BOOM. CONTRACTOR TO INSTALL AND TERMINATE DATA CABLING.

KEY PLAN



VCBO ARCHITECTURE
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LICENSED PROFESSIONAL ENGINEER
No. 185978
PETER E. JOHANSEN
01/18/23

REV	DATE	DESCRIPTION
1	10/20/22	Addendum #01

VCBO NUMBER:	22240
CLIENT NUMBER:	10014193
DATE:	2023.01.18

RIVERTON - DUAL USE AMBULATORY SURGERY CENTER

INTERMOUNTAIN HEALTHCARE
3741 WEST 12600 SOUTH, RIVERTON, UTAH
CONFORMED SET

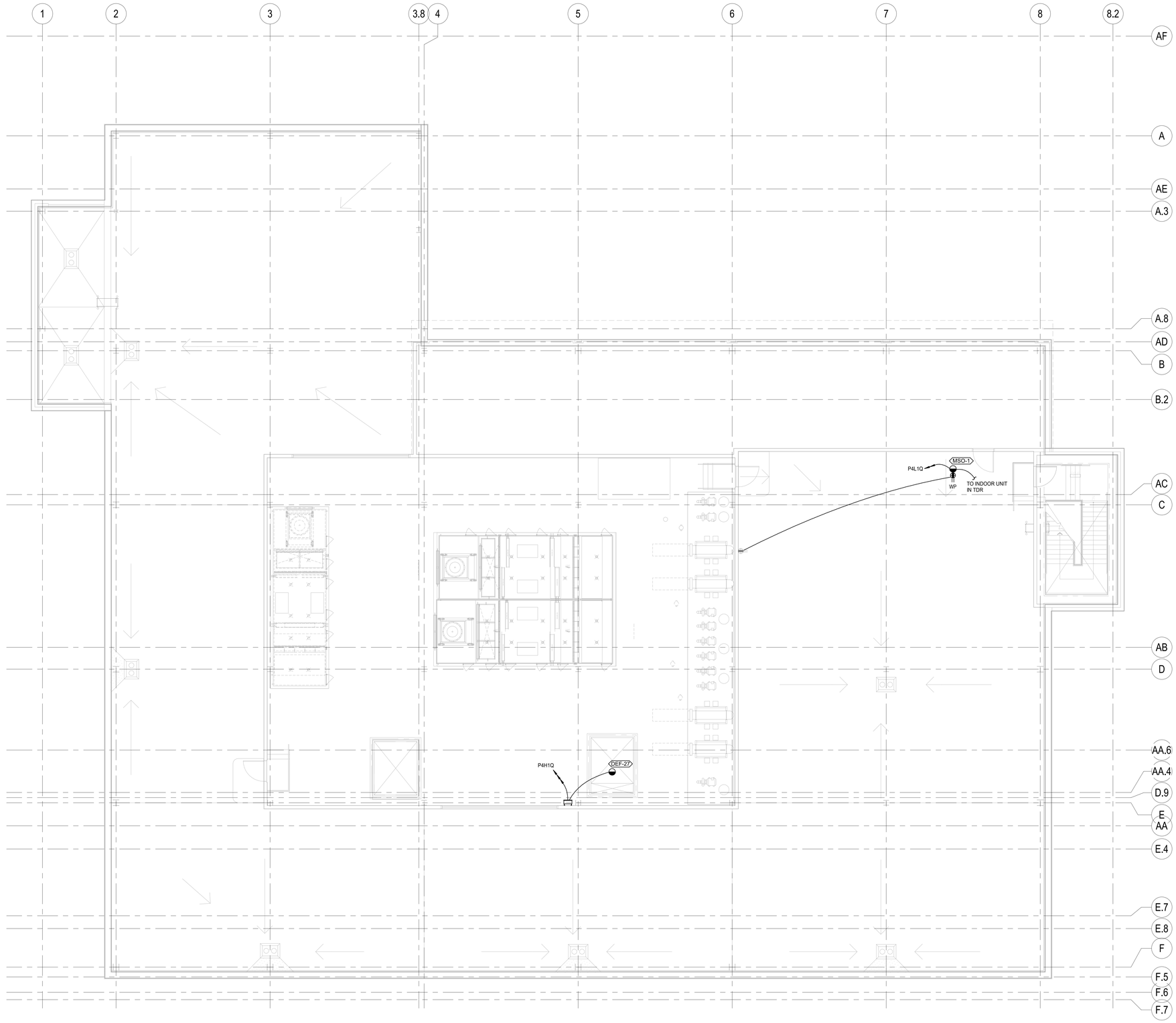
POWER PLAN - LEVEL 02

EP102

A1 POWER PLAN - LEVEL 02

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

NORTH



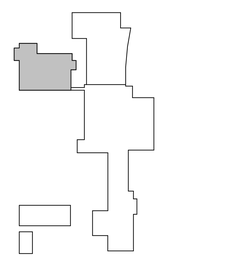
A1 POWER PLAN - LEVEL 04
SCALE: 1/8" = 1'-0"

NORTH

GENERAL SHEET NOTES

SHEET KEYNOTES

KEY PLAN



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LICENSED PROFESSIONAL ENGINEER
No. 185978
PETER E. JOHANSEN
01/18/23

REV	DATE	DESCRIPTION

VCBO NUMBER:	22240
CLIENT NUMBER:	10014193
DATE:	2023.01.18

RIVERTON - DUAL USE AMBULATORY SURGERY CENTER

INTERMOUNTAIN HEALTHCARE
3741 WEST 12600 SOUTH, RIVERTON, UTAH
CONFORMED SET

POWER PLAN - LEVEL 04

EP104

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EQUIPMENT SCHEDULE

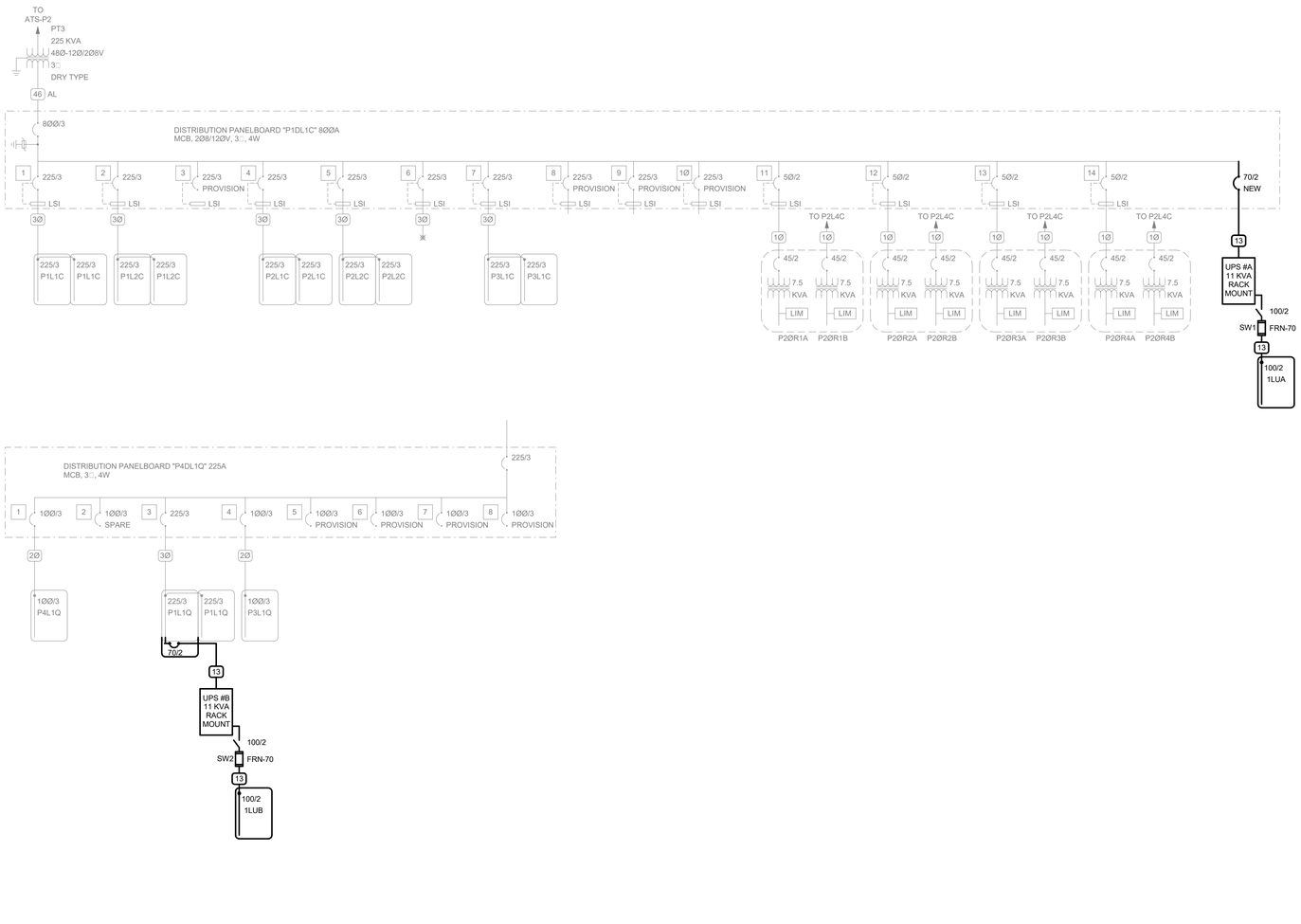
MARK	QTY	ITEM DESCRIPTION	LOAD DATA							WIRE AND CONDUIT SIZE	COND. AND CONDUIT SCHED.	OVERCURRENT PROTECTION			DISCONNECT			STARTER DATA														NOTES	MARK
			HP	kW	MCA	FLA	VOLT	PH	Hz			FURN BY	DEVICE	LOCATION	FURN BY	DEVICE	LOCATION	FURN BY	DEVICE	LOCATION	SIZE	SPEED	CTRL VOLT	SELECTOR SWITCH	PUSH BUTTON	PILOT LAMP	NORMALLY OPEN CONTACTS	NORMALLY CLOSED CONTACTS	PHASE FAILURE RELAY	SCHEMATIC REFERENCE	REMOTE CTRL		
DEF-27		EXHASUST FN LEVEL 4 PENTHOUSE	2			3.4	480	3	60	3 #12, #12 GR 0.75" CND	2	E	20A/3P CB	PANEL	E	30A/3P FRN 6	ADJ TO EQUIP	Q	VFD															DEF-27
CPEF-1		EXHASUST FN LEVEL 1 SHELL SPACE	1				208	2	60	3 #12, #12 GR 0.75" CND	2	E	20A/3P CB	PANEL	E	30A/3P FRB 10	W/ VFD	Q	VFD														1	CPEF-1
MSI-1		INDOOR OUTDOOR ON ROOF			1 11		208 208	1 1	60 60	3 #12, #12 GR 0.75" CND	2	E	20A/2P CB	PANEL	E	30A/2P FRN 20	ADJ TO EQUIP																2	MSI-1

NOTES:

1. PROVIDE WITH VFD BY DIV 23 0000. INSTALL IN ELEC ROOM.
2. INDOOR UNIT CIRCUITED WITH OUTDOOR CONDENSING UNIT

EQUIPMENT SCHEDULE KEY

E	DIVISION 16
Q	FURNISHED WITH THE EQUIPMENT
*	COORDINATE WITH THE DIVISION 15 TEMPERATURE CONTROL INSTALLER
**	AUTOMATIC CONTROL WIRING BY DIVISION 15



PANEL: "1LUA"

VOLTS/PHASE/WIRE:	PANEL SIZE & TYPE:	MAIN SIZE AND TYPE:	FED FROM:	CABINET:	LOCATION:	NOTES:
120/208V, 1Ø/, 1 PH 3 WIRE	22" W x 6" D, BOLT-ON	100 AMPERE		SURFACE	TDR 1D40	

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

CKT NO	OCP AMP	OCP POLE	OCP BKR	LOAD (kVA) LTG	LOAD (kVA) PWR	LOAD (kVA) CO	DESCRIPTION	PHASE LOAD A	PHASE LOAD B	DESCRIPTION	LOAD (kVA) CO	LOAD (kVA) PWR	LOAD (kVA) LTG	OCP BKR	OCP POLE	OCP AMP	CKT NO
1	30	2		0.0	2.1	0.0	POWER TDR 1D40	1.0	0.0	SPARE	0.0	0.0	0.0	--	1	20	2
3	--	--	--	--	--	--	--		1.0	SPARE	0.0	0.0	0.0	--	1	20	4
5	30	2		0.0	2.1	0.0	POWER TDR 1D40	1.0	0.0	SPARE	0.0	0.0	0.0	--	1	20	6
7	--	--	--	--	--	--	--		1.0	SPARE	0.0	0.0	0.0	--	1	20	8
9	20	1		0.0	1.2	0.0	POWER TDR 1D40	1.2	0.0	SPARE	0.0	0.0	0.0	--	1	20	10
11									0.0	SPARE	0.0	0.0	0.0	--	1	20	12
13								0.0		SPARE	0.0	0.0	0.0	--	1	20	14
15									0.0	SPARE	0.0	0.0	0.0	--	1	20	16
17								0.0		SPARE	0.0	0.0	0.0	--	1	20	18
19									0.0	SPARE	0.0	0.0	0.0	--	1	20	20
21								0.0		SPARE	0.0	0.0	0.0	--	1	20	22
23									0.0	SPARE	0.0	0.0	0.0	--	1	20	24
25								0.0		SPARE	0.0	0.0	0.0	--	1	20	26
27									0.0	SPARE	0.0	0.0	0.0	--	1	20	28
29								0.0		SPARE	0.0	0.0	0.0	--	1	20	30
31									0.0	SPARE	0.0	0.0	0.0	--	1	20	32
33								0.0		SPARE	0.0	0.0	0.0	--	1	20	34
35									0.0	SPARE	0.0	0.0	0.0	--	1	20	36
37								0.0		SPARE	0.0	0.0	0.0	--	1	20	38
39									0.0	SPARE	0.0	0.0	0.0	--	1	20	40
41								0.0		SPARE	0.0	0.0	0.0	--	1	20	42
TOTALS:							CONNECTED kVA PER PHASE	**3**	**2**	CONNECTED TOTAL kVA =	**5**						
							CONNECTED AMPS PER PHASE	**30**	**20**	AVERAGE CONNECTED AMPS PER PHASE =	**26**						

NEC DIVERSIFIED LOAD CALCULATIONS

LIGHTING & CONTINUOUS LOADS: - 100% CONNECTED LOAD PLUS 25% — DIVERSIFIED TOTAL kVA = **5**
RECEPTACLES: - FIRST 10kVA @ 100%, REMAINDER @ 50% — AVERAGE AMPS PER PHASE = **26**
ALL OTHER LOADS @ 100% : **5.4 kVA** - MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC

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

PANEL: "1LUB"

VOLTS/PHASE/WIRE:	PANEL SIZE & TYPE:	MAIN SIZE AND TYPE:	FED FROM:	CABINET:	LOCATION:	NOTES:
120/208V, 1Ø/, 1 PH 3 WIRE	22" W x 6" D, BOLT-ON	100 AMPERE		SURFACE	TDR 1D40	

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

CKT NO	OCP AMP	OCP POLE	OCP BKR	LOAD (kVA) LTG	LOAD (kVA) PWR	LOAD (kVA) CO	DESCRIPTION	PHASE LOAD A	PHASE LOAD B	DESCRIPTION	LOAD (kVA) CO	LOAD (kVA) PWR	LOAD (kVA) LTG	OCP BKR	OCP POLE	OCP AMP	CKT NO
1	30	2		0.0	2.1	0.0	POWER TDR 1D40	1.0	0.0	SPARE	0.0	0.0	0.0	--	1	20	2
3	--	--	--	--	--	--	--		1.0	SPARE	0.0	0.0	0.0	--	1	20	4
5	30	2		0.0	2.1	0.0	POWER TDR 1D40	1.0	0.0	SPARE	0.0	0.0	0.0	--	1	20	6
7	--	--	--	--	--	--	--		1.0	SPARE	0.0	0.0	0.0	--	1	20	8
9	30	2		0.0	2.1	0.0	POWER TDR 1D40	1.0	0.0	SPARE	0.0	0.0	0.0	--	1	20	10
11	--	--	--	--	--	--	--		1.0	SPARE	0.0	0.0	0.0	--	1	20	12
13								0.0		SPARE	0.0	0.0	0.0	--	1	20	14
15									0.0	SPARE	0.0	0.0	0.0	--	1	20	16
17								0.0		SPARE	0.0	0.0	0.0	--	1	20	18
19									0.0	SPARE	0.0	0.0	0.0	--	1	20	20
21								0.0		SPARE	0.0	0.0	0.0	--	1	20	22
23									0.0	SPARE	0.0	0.0	0.0	--	1	20	24
25								0.0		SPARE	0.0	0.0	0.0	--	1	20	26
27									0.0	SPARE	0.0	0.0	0.0	--	1	20	28
29								0.0		SPARE	0.0	0.0	0.0	--	1	20	30
31									0.0	SPARE	0.0	0.0	0.0	--	1	20	32
33								0.0		SPARE	0.0	0.0	0.0	--	1	20	34
35									0.0	SPARE	0.0	0.0	0.0	--	1	20	36
37								0.0		SPARE	0.0	0.0	0.0	--	1	20	38
39									0.0	SPARE	0.0	0.0	0.0	--	1	20	40
41								0.0		SPARE	0.0	0.0	0.0	--	1	20	42
TOTALS:							CONNECTED kVA PER PHASE	**3**	**3**	CONNECTED TOTAL kVA =	**6**						
							CONNECTED AMPS PER PHASE	**30**	**30**	AVERAGE CONNECTED AMPS PER PHASE =	**30**						

NEC DIVERSIFIED LOAD CALCULATIONS

LIGHTING & CONTINUOUS LOADS: - 100% CONNECTED LOAD PLUS 25% — DIVERSIFIED TOTAL kVA = **6**
RECEPTACLES: - FIRST 10kVA @ 100%, REMAINDER @ 50% — AVERAGE AMPS PER PHASE = **30**
ALL OTHER LOADS @ 100% : **6.2 kVA** - MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC

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

A1 PARTIAL ONE-LINE DIAGRAM
SCALE: NTS

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VCBO.COM

LICENSED PROFESSIONAL ENGINEER
No. 185978
PETER E. JOHANSEN
01/18/23

REV	DATE	DESCRIPTION

VCBO NUMBER: 22240
CLIENT NUMBER: 1001419
DATE: 2023.01.18

RIVERTON - DUAL USE AMBULATORY SURGERY CENTER

INTERMOUNTAIN HEALTHCARE
3741 WEST 12600 SOUTH, RIVERTON, UTAH
CONFORMED SET

ONE-LINE DIAGRAM
EP601

GENERAL SHEET NOTES

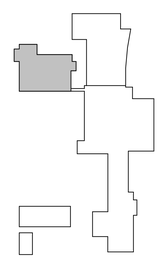
SHEET KEYNOTES

1 CONNECT TO EXISTING EGRESS LIGHTING CIRCUIT.

2 RECONNECT TO CIRCUIT WHICH PREVIOUSLY FED SHELL SPACE.

NORTH

KEY PLAN



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INTERMOUNTAIN HEALTHCARE
3741 WEST 12600 SOUTH, RIVERTON, UTAH
CONFORMED SET

LIGHTING PLAN - LEVEL 01

EL101

A1 LIGHTING PLAN - LEVEL 01
SCALE: 1/8" = 1'-0"

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GENERAL SHEET NOTES

SHEET KEYNOTES

1 PROVIDE KEYED SWITCH TO TEST BATTERY PACKS IN OR SURGERY FIXTURES.

2 PROVIDE BATTERY PACK IN 2X4 SURGERY FIXTURE.

3 CIRCUIT NEW LIGHTS TO CIRCUIT FEEDING EVS E2811.

4 CIRCUIT AND CONTROL OR TROFFERS AND CAN LIGHTS SEPARATELY.

5 REPLACE LIGHT FIXTURE AND LIGHTING CONTROLS IN SPACE. RE-USE EXISTING CIRCUITS.

KEY PLAN

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LIGHTING PLAN - LEVEL 02

EL102

A1 LIGHTING PLAN - LEVEL 02
SCALE: 1/8" = 1'-0"

NORTH

Autodesk Docs://22240 - Intermountain Riverton Hospital ASC/220334 ELEC CENTRAL.rvt

INTERIOR LIGHTING FIXTURE SCHEDULE

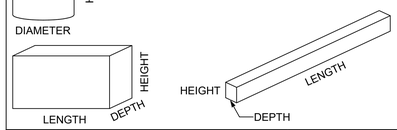
ABBREVIATIONS

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 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-6)	6" ROUND, RECESSED LED LENSED DOWNLIGHT, WET LOCATION, REGRESSED LENS, WHITE REFLECTOR, WHITE TRIM FINISH	-	-	-	0' - 6"	CR	LED	3500K		0-10V DIMMING (<1%)	120/277	23	-	2000			-		GOTHAM (EVO-35/20-6WR-WD-MVOLT-EZ10)		
(E10-1)	<varies>	<varies>	<varies>	<varies>	<varies>	<varies>	<varies>	<varies>		<varies>	<varies>	<varies>		0			<varies>		<varies>	<varies>	<varies>
(EGF-100)	2' X 4' LED SURGICAL TROFFER WITH EMERGENCY BATTERY PACK, PROVIDE FLANGE KIT	4' - 0"	2' - 0"			CR	LED	3500K		0-10V DIMMING (10%)	120/277	200		16000			FLANGE KIT		KENNAL (M4SEDI-14-76L35K-DCC-DV-2F-PAH-ASYM(LEL))	KURTZON (ML-EF-5-2X4-3-LEDH-35-277-1/CIR)	
(G-1)	2' X 2' LED FLAT PANEL, GRID LAY-IN	2' - 0"	2' - 0"	-	-	CR	LED	4000K		0-10V DIMMING (10%)	120/277	40	-	3400			-		VIVIDLEDS (VVDES2240-35-UNV-WH-D1)		
(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)		
(GF-100)	2' X 4' LED SURGICAL TROFFER, PROVIDE FLANGE KIT	4' - 0"	2' - 0"			CR	LED	3500K		0-10V DIMMING (10%)	120/277	200		16000			FLANGE KIT		KENNAL (M4SEDI-14-76L35K-DCC-DV-2F-PAH-ASYM(LEL))	KURTZON (ML-EF-5-2X4-3-LEDH-35-277-1/CIR)	
(NF-3)	4" X 3' LINEAR RECESSED SLOT, GRID MOUNT	3' - 0"	0' - 4"	-	-	CR	LED	4000K		0-10V DIMMING (10%)	120/277	24	-	2000			-		PINNACLE (E4A-835-3'-GX-U-OL1-1-W)		
(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-4H)	4" X 4' LINEAR RECESSED SLOT, GRID MOUNT, HIGH OUTPUT	4' - 0"	0' - 4"	-	-	CR	LED	4000K		0-10V DIMMING (10%)	120/277	44	-	3000			-		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)		
(SA-1)	4' LED STRIP LIGHT, WHITE FINISH	4' - 0"				CS	LED	4000K		NO DIMMING	120/277	42	WH	3000							
(UC-5)		2' - 0"	0' - 4"	-	-		LED	4000K		ELV DIMMING	120/277	8		600					DAY-BRITE (LINCS10E-L28-935-UNV-WHG-DIM)	KENALL (AUCLED-1-MW-11L35K-24-277)	

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LICENSED PROFESSIONAL ENGINEER
No. 185978
PETER E. JOHANSEN
01/18/23

REV	DATE	DESCRIPTION

VCBO NUMBER: 22240
CLIENT NUMBER: 10014193
DATE: 2023.01.18

RIVERTON - DUAL USE AMBULATORY SURGERY CENTER

INTERMOUNTAIN HEALTHCARE
3741 WEST 12600 SOUTH, RIVERTON, UTAH
CONFORMED SET

INTERIOR LIGHTING FIXTURE SCHEDULE

EL601

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LIGHTING/SPACE CONTROL TYPE SCHEDULE

WIRING LEGEND

- ——— LINE VOLTAGE WIRING
- - - - - 0-10V WIRING
- -·-·- CAT5E CABLING
- ——— WIRING BY OTHERS
- —o—o— TMP SEGMENT NETWORK CABLING

APPROVED MANUFACTURERS

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

LIGHTING CONTROL ID

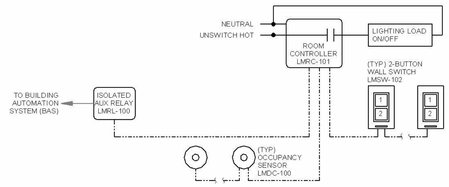
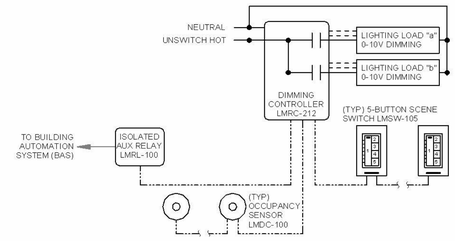
1. # = NUMBER OF ZONES
2. D = DIMMING, S = SWITCHING
3. P = DAYLIGHT PHOTOCELL
4. L = PLUG LOAD CONTROLLER
5. # = INSTANCE

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
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"	-	-	-	-	

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LIGHTING CONTROL SCHEDULES

EL602

A1 TELECOM PLAN - LEVEL 01

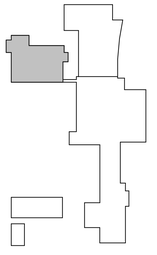
SCALE: 1/8" = 1'-0"

NORTH

SHEET KEYNOTES

1 TERMINATE DATA DEVICE CABLE INTO NEW TDR 1D40. USE CONDUIT FROM DEVICE TO TDR.

KEY PLAN



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TELECOM PLAN - LEVEL 01

ET101

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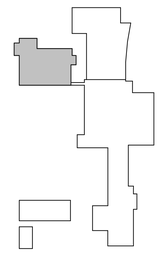
SHEET KEYNOTES

1 MOUNT WIRELESS ACCESS POINT DATA DEVICE IN TILE CEILING ACCORDING TO DETAIL C2/ET502.

KEY PLAN



A1 TELECOM PLAN - LEVEL 02
SCALE: 1/8" = 1'-0"

NORTH

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TELECOM PLAN - LEVEL 02

ET102

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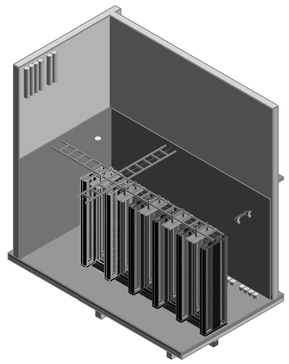
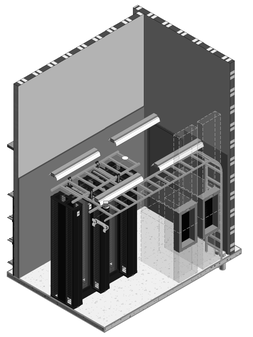
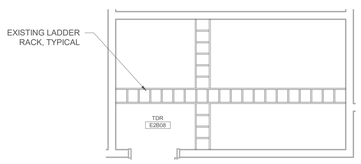


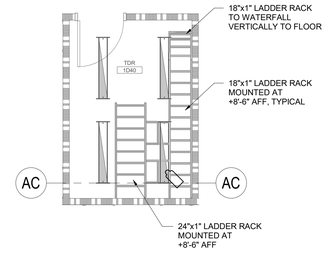
C3 ENLARGED TDR E2B08 ISOMETRIC PLAN
SCALE:



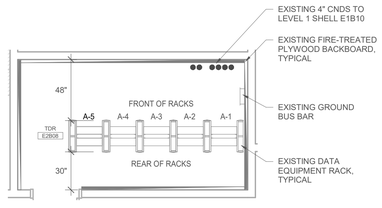
C5 ENLARGED TDR 1D40 ISOMETRIC PLAN
SCALE:



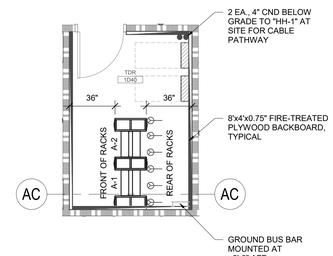
B3 ENLARGED TDR E2B08 LADDER RACK PLAN
SCALE: 1/4" = 1'-0"



B5 ENLARGED TDR 1D40 LADDER RACK PLAN
SCALE: 1/4" = 1'-0"



A3 ENLARGED TDR E2B08 EQUIPMENT RACK PLAN
SCALE: 1/4" = 1'-0"



A5 ENLARGED TDR 1D40 EQUIPMENT RACK PLAN
SCALE: 1/4" = 1'-0"

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ENLARGED TELECOM PLANS

ET401

DATA DEVICE DROP SCHEDULE - TDR E2B08

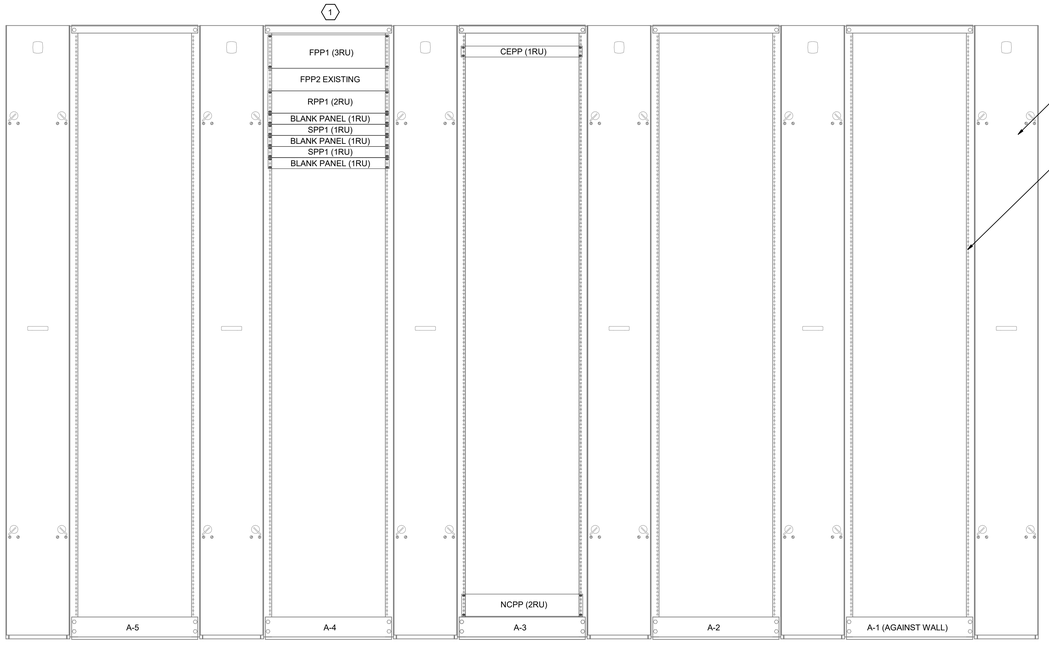
DATA DEVICE TYPE	DETAIL LOCATION	COMM ROOM LOCATION	TOTAL BY FLOOR	Num of Drops
LEVEL 02				
CEILING DATA (4-DROP)	SEE DETAIL A6/ET502	TDR E2B08	2	8
CEILING DATA - CAMERA (1-DROP)	SEE DETAIL C5/ET502	TDR E2B08	2	2
CEILING DATA - MONITORING (1-DROP)	SEE DETAIL B6/ET502	TDR E2B08	2	2
CEILING WIRELESS ACCESS POINT (2-DROP)	SEE DETAIL C6/ET502	TDR E2B08	4	8
WALL DATA (2-DROP)	SEE DETAIL A5/ET502	TDR E2B08	18	36
WALL DATA - ABOVE COUNTER (2-DROP)	SEE DETAIL A5/ET502	TDR E2B08	1	2
WALL DATA - PHONE (1-DROP)	SEE DETAIL B5/ET502	TDR E2B08	1	1
Grand total			30	59

DATA DEVICE DROP SCHEDULE - TDR 1D40

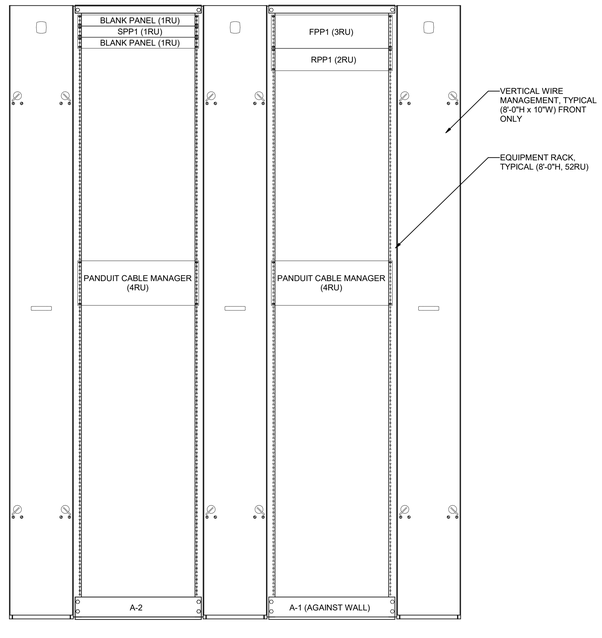
DATA DEVICE TYPE	DETAIL LOCATION	COMM ROOM LOCATION	TOTAL BY FLOOR	Num of Drops
LEVEL 01				
CEILING DATA - CAMERA (1-DROP)	SEE DETAIL C5/ET502	TDR 1D40	3	3
WALL DATA (2-DROP)	SEE DETAIL A5/ET502	TDR 1D40	1	2
Grand total			4	5

SHEET KEYNOTES

1 CONTRACTOR TO COORDINATE FINAL TERMINATION LOCATION OF RACK MOUNTED EQUIPMENT WITH OWNER AFTER DEMOLITION.



A1 EQUIPMENT RACK ELEVATION DETAIL, LEVEL 02, TDR E2B08
SCALE: NTS



A4 EQUIPMENT RACK ELEVATION DETAIL, LEVEL 01, TDR E1D40
SCALE: NTS

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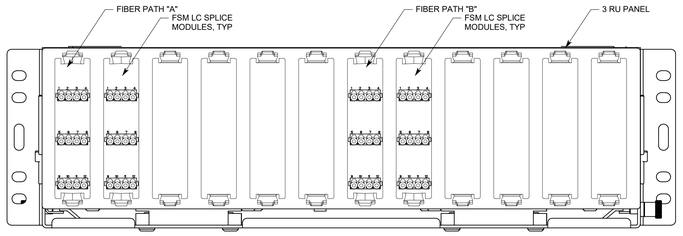
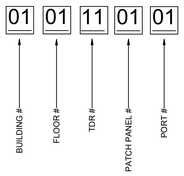
TELECOM EQUIPMENT RACK ELEVATIONS

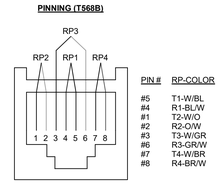
ET501



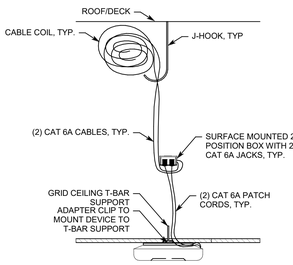
D3 FIBER PATCH PANEL (FPP1) DETAIL
SCALE: NTS



D5 TYPICAL CABLE ID EXAMPLE DETAIL
SCALE: NTS

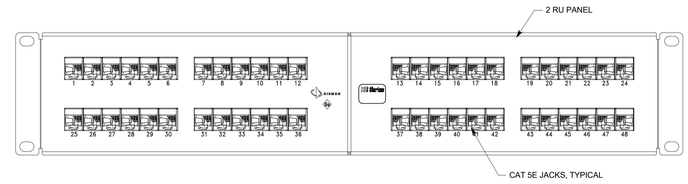


D6 TYPICAL VOICE/DATA OUTLET PINNING DETAIL
SCALE: NTS

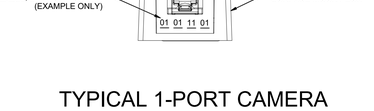


T-BAR MOUNT

C2 WIRELESS ACCESS POINT MOUNTING DETAIL (T-BAR)
SCALE: NTS

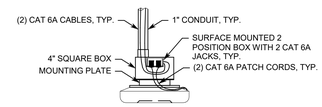


C3 RISER PATCH PANEL (RPP1) DETAIL
SCALE: NTS



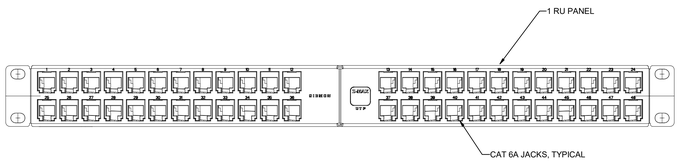
C5 TYPICAL 1-PORT CAMERA DATA OUTLET DETAIL
SCALE: NTS

C6 TYPICAL 2-PORT WIRELESS ACCESS POINT DETAIL
SCALE: NTS

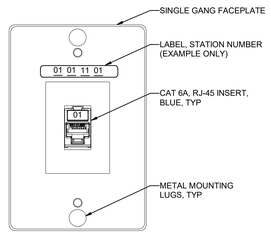


OPEN CEILING MOUNT

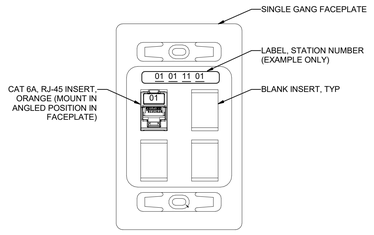
B2 WIRELESS ACCESS POINT MOUNTING DETAIL (OPEN CEILNG)
SCALE: NTS



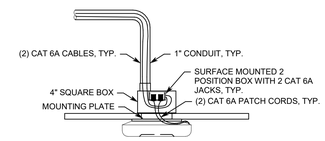
B3 STATION PATCH PANEL (SPP1) DETAIL
SCALE: NTS



B5 TYPICAL 1-PORT WALL PHONE OUTLET DETAIL
SCALE: NTS

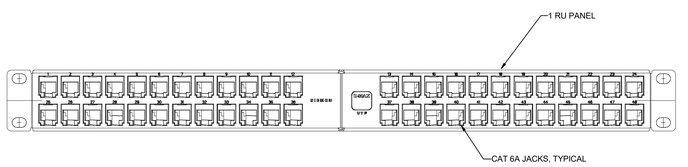


B6 TYPICAL 1-PORT PHYS MON CEILING DATA OUTLET
SCALE: NTS

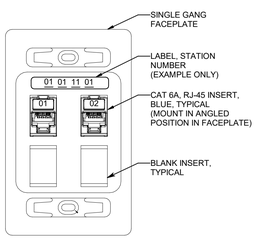


HARD-LID CEILING MOUNT

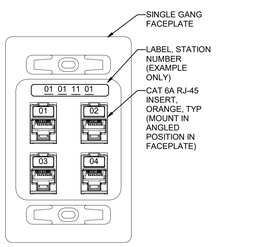
A2 WIRELESS ACCESS POINT MOUNTING DETAIL (HARD-LID CEILING)
SCALE: NTS



A3 CLINICAL ENGINEERING PANEL (CEPP1) DETAIL
SCALE: NTS



A5 TYPICAL 2-PORT WALL DATA OUTLET DETAIL
SCALE: NTS



A6 TYPICAL 4-PORT CEILING DATA OUTLET DETAIL
SCALE: NTS

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TELECOM DETAILS

ET502

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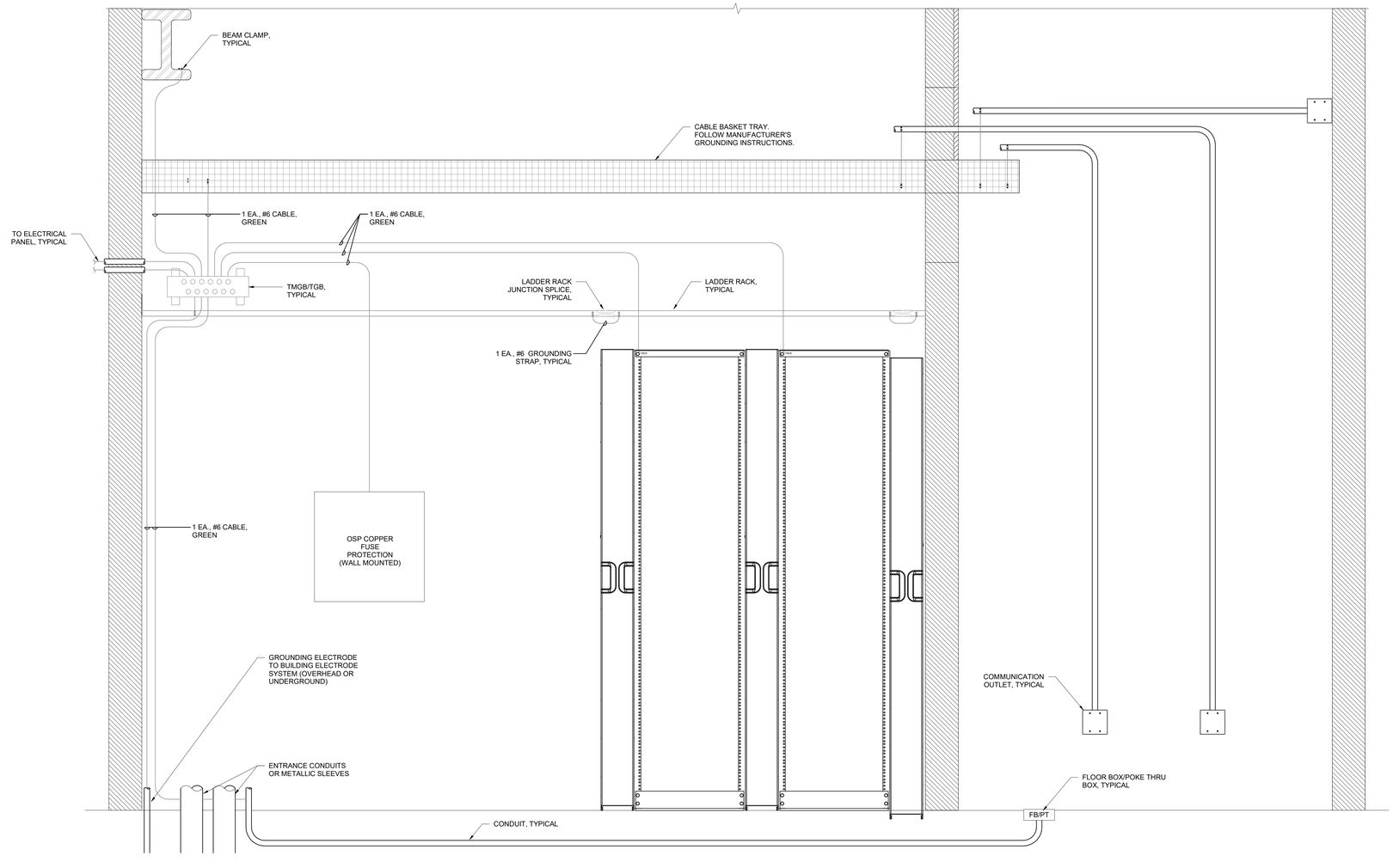
GENERAL NOTES:

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 PART NUMBER 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 TYPICAL TELECOM EQUIPMENT RACK GROUNDING DETAIL

SCALE: NTS

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
801.575.8800
VCBO.COM

LICENSED PROFESSIONAL ENGINEER
No. 185978
PETER E. JOHANSEN
01/18/23

REV	DATE	DESCRIPTION

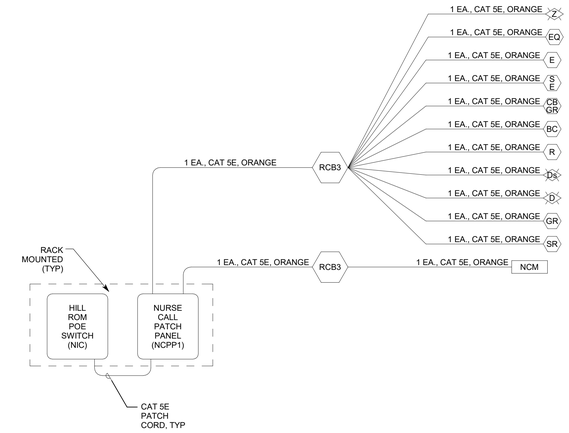
VCBO NUMBER:	22240
CLIENT NUMBER:	10014193
DATE:	2023.01.18

RIVERTON - DUAL USE AMBULATORY SURGERY CENTER

INTERMOUNTAIN HEALTHCARE
3741 WEST 12600 SOUTH, RIVERTON, UTAH
CONFORMED SET

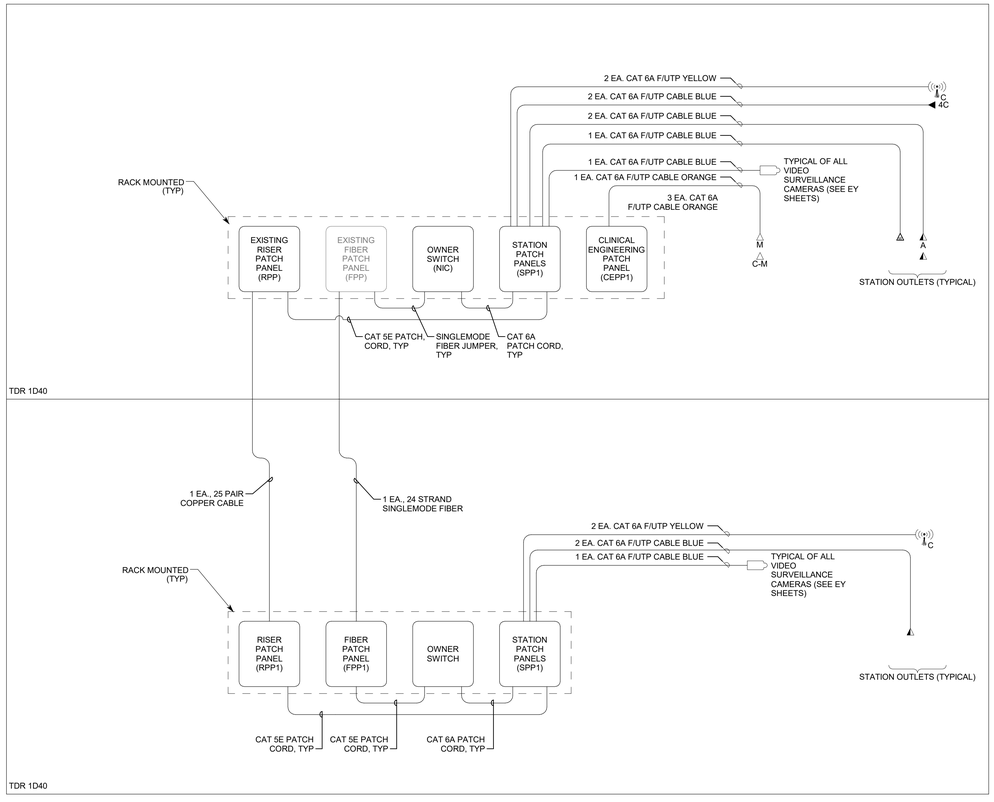
TELECOM EQUIPMENT RACK GROUNDING DETAIL

ET503



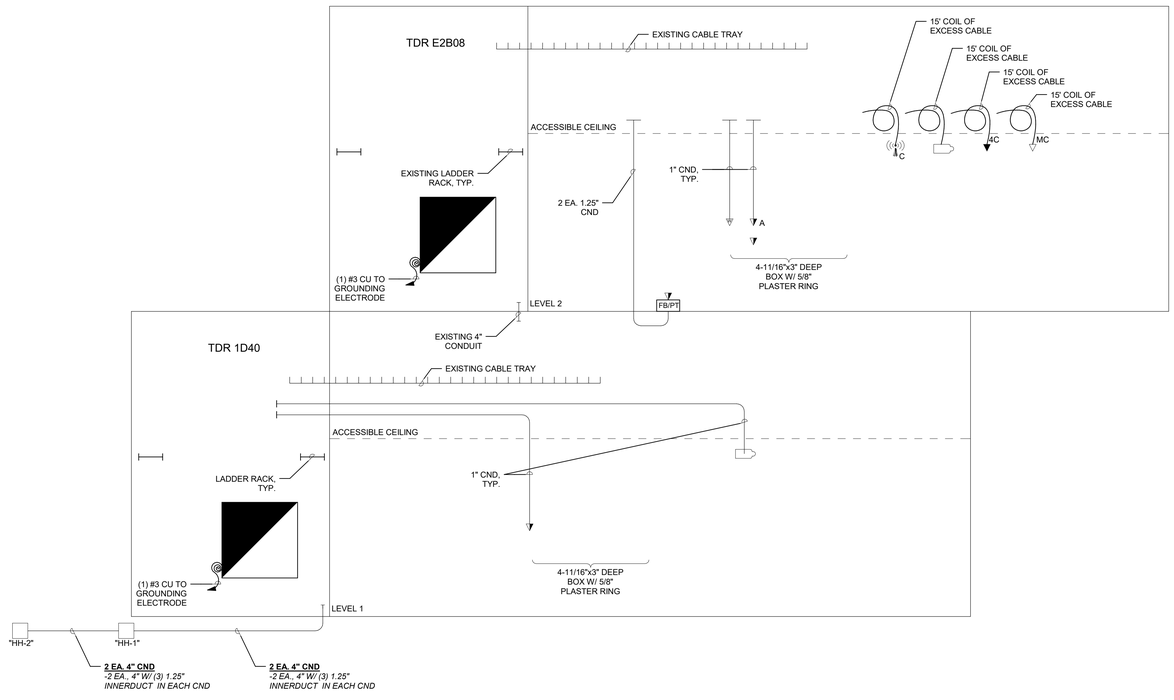
D5 TELECOM CABLE RISER DIAGRAM

SCALE: NTS



A1 TELECOM CABLE RISER DIAGRAM

SCALE: NTS



A4 TELECOM CONDUIT RISER DIAGRAM

SCALE: NTS

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INTERMOUNTAIN HEALTHCARE
3741 WEST 12600 SOUTH, RIVERTON, UTAH
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TELECOM RISER DIAGRAMS

ET601

A1 SECURITY PLAN - LEVEL 01

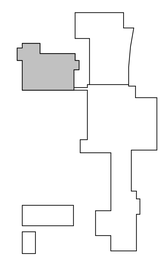
SCALE: 1/8" = 1'-0"

NORTH

GENERAL SHEET NOTES

SHEET KEYNOTES

KEY PLAN



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INTERMOUNTAIN HEALTHCARE
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SECURITY PLAN - LEVEL 01

FY101

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A1 SECURITY PLAN - LEVEL 02

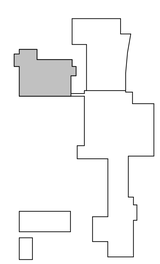
SCALE: 1/8" = 1'-0"

NORTH

GENERAL SHEET NOTES

SHEET KEYNOTES

KEY PLAN



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REV	DATE	DESCRIPTION
1	10/20/22	Addendum #01

VCBO NUMBER: 22240
CLIENT NUMBER: 10014193
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RIVERTON - DUAL USE AMBULATORY SURGERY CENTER

INTERMOUNTAIN HEALTHCARE
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SECURITY PLAN - LEVEL 02

FY102

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1/20/2023 2:27:25 PM

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

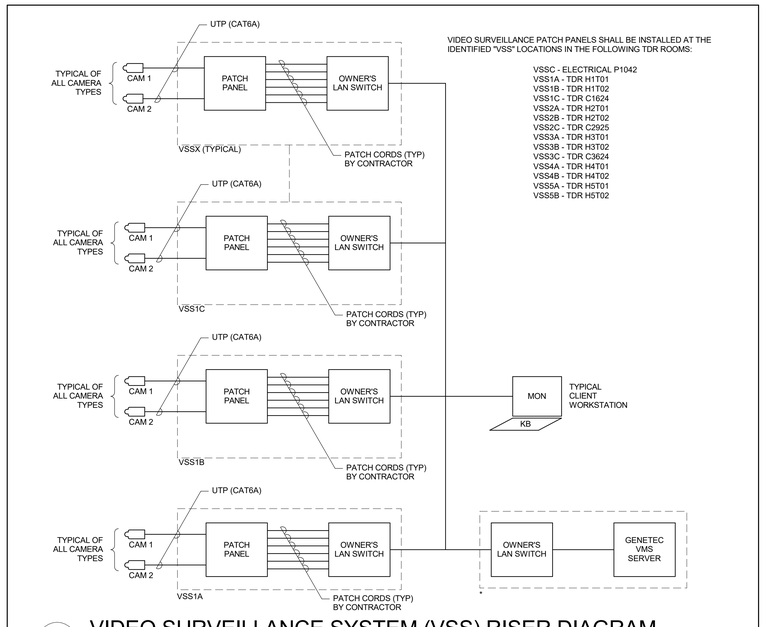
VSS CAMERA/ENCLOSURE ROUGH-IN SCHEDULE

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.



A2 VIDEO SURVEILLANCE SYSTEM (VSS) RISER DIAGRAM

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

A4 ACCESS CONTROL SYSTEM (ACS) DIAGRAM

NO SCALE

VCBO ARCHITECTURE
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PETER E. JOHANSEN
01/18/23

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INTERMOUNTAIN HEALTHCARE
3741 WEST 12600 SOUTH, RIVERTON, UTAH
CONFORMED SET

SECURITY DETAILS & DIAGRAMS

EY601

A1 SYSTEMS PLAN - LEVEL 01
SCALE: 1/8" = 1'-0"

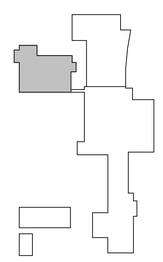
NORTH

GENERAL SHEET NOTES

SHEET KEYNOTES

1 RELOCATE PAGING SPEAKER FROM EXISTING TDR.

KEY PLAN



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INTERMOUNTAIN HEALTHCARE
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CONFORMED SET

SYSTEMS PLAN - LEVEL 01

EC101

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10/20/2023 4:47 AM

A1 SYSTEMS PLAN - LEVEL 02
SCALE: 1/8" = 1'-0"

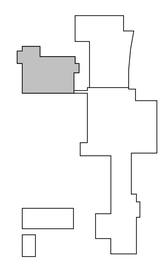
NORTH

GENERAL SHEET NOTES

1 TELEVISION COAX RECEPTACLES TO BE RELOCATED TO NEW LOCATION. RUN NEW CABLE FROM EXISTING DIRECT COUPLERS LOCATED ABOVE CEILING TO NEW RECEPTACLE LOCATIONS. SEE SHEET EDP102 FOR CURRENT LOCATION.

SHEET KEYNOTES

KEY PLAN



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SYSTEMS PLAN - LEVEL 02

EC102

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SYMBOL SCHEDULE

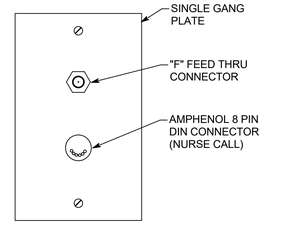
TV DISTRIBUTION: REFER TO SECTION 16780 FOR DEVICE SELECTION AND INSTALLATION REQUIREMENTS IF NOT OTHERWISE NOTED. REFER TO RELATED SPECIFICATIONS, AND ARCHITECTURAL ELEVATIONS, FOR ACTUAL LOCATIONS.

SYMBOL	DESCRIPTION	QTY	ACCEPTABLE TYPES
TV	EQUIPMENT RACK SYSTEMS TV - TV DISTRIBUTION	OFP	BLONDER TONGUE RACK - RR2180
2P 4P	MULTI PORT SPLITTER 2 PORT, 4 PORT	OFP	BLONDER TONGUE XRS SERIES
DA	BROADBAND DISTRIBUTION AMPLIFIER	OFP	BLONDER TONGUE BIDA 75A-43
DC (X)	DIRECTIONAL COUPLER (MULTI PORT)	OFP	BLONDER TONGUE SRT, SRT-2A, SRT-4A, SRT-8A
	TV OUTLET	OFP	SEE DETAIL
	RF TERMINATOR	OFP	75 OHM TERMINATOR
MOD	MODULATOR (RF INPUT)	OFP	BLONDER TONGUE AP 60-860A
MOD	MODULATOR (A/V INPUT)	OFP	BLONDER TONGUE AM-60-550
PAD	ATTENUATOR	OFP	BLONDER TONGUE FAF/FAM SERIES
COMBINER	CHANNEL COMBINER	OFP	BLONDER TONGUE OC SERIES (PASSIVE)
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER	OFP	EFI PT-2000

A/R = AS REQUIRED
OFP = OBTAIN FROM PLANS

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
ISC	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
EC	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
DL	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
ZL	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
CBP	HILL-ROM	P2520A07	CODE BLUE PUSH BUTTON SWITCH	RACO 561 BACK BOX,	REFER TO ELEVATION
NSP	HILL-ROM	P2520A07	CODE PINK PUSH BUTTON SWITCH	RACO 561 BACK BOX,	REFER TO ELEVATION
PBC	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
SEB	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
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	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
RTLS 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
RTLS 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
RTLS 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



NOTES:

1. PROVIDE AMPHENOL CONNECTOR ON TV PLATES IN PATIENT ROOMS. NON-PATIENT LOCATIONS HAVE THE "F" CONNECTOR ONLY. CABLE TERMINATION TO AMPHENOL CONNECTOR WILL BE BY NURSE CALL INSTALLER.

A6 TV OUTLET PLATE DETAIL
NO SCALE

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SYSTEMS DETAILS & DIAGRAMS

EC601

A1 FIRE ALARM PLAN - LEVEL 01

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

NORTH

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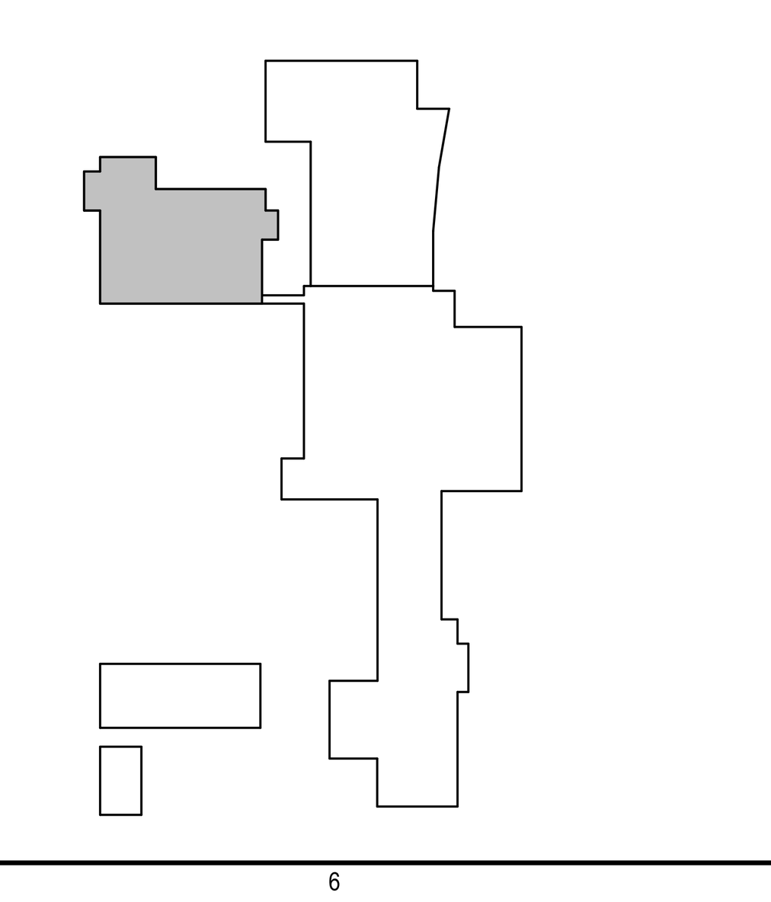
GENERAL SHEET NOTES

⬡ SHEET KEYNOTES

KEY PLAN



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3741 WEST 12600 SOUTH, RIVERTON, UTAH

CONFORMED SET

FIRE ALARM PLAN - LEVEL 01

1/11/2023 6:12:31 AM

FA101

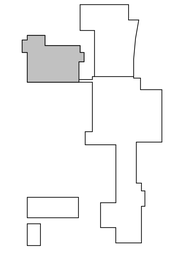
A1 FIRE ALARM PLAN - LEVEL 02
SCALE: 1/8" = 1'-0"

NORTH

GENERAL SHEET NOTES

SHEET KEYNOTES

KEY PLAN



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