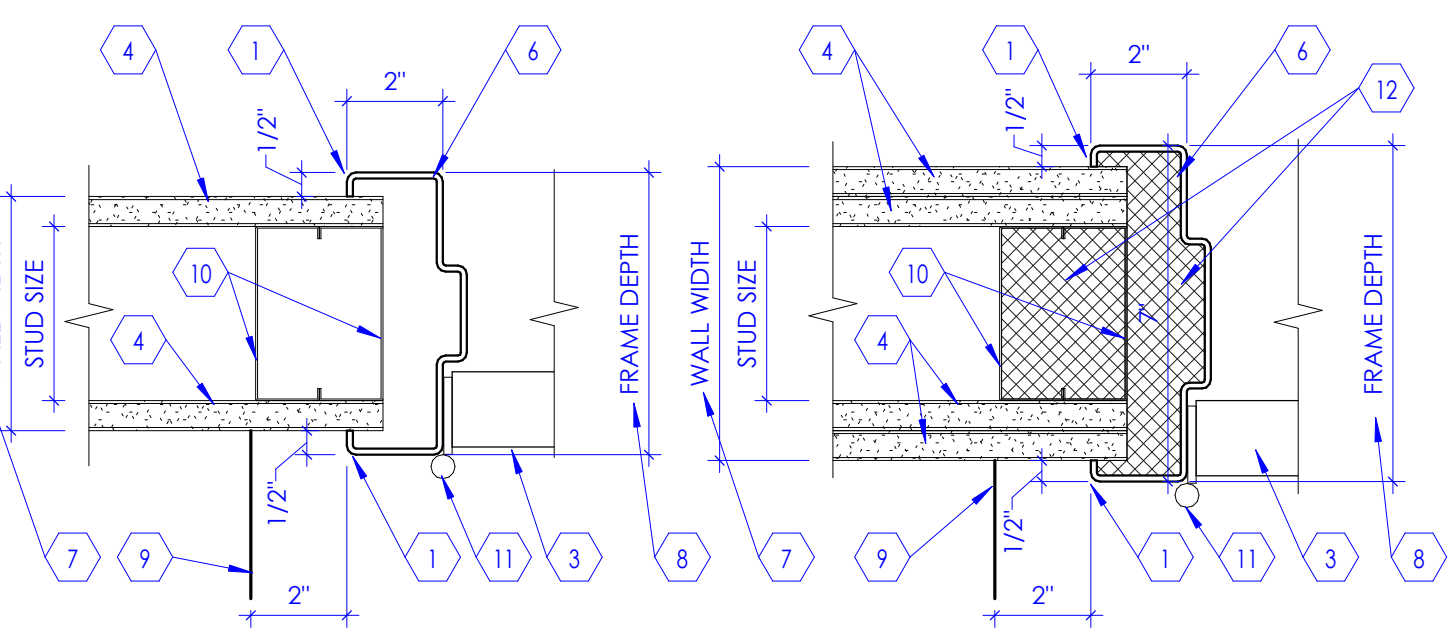


HEAD DETAIL - SECTION VIEW



JAMB DETAIL - PLAN VIEW

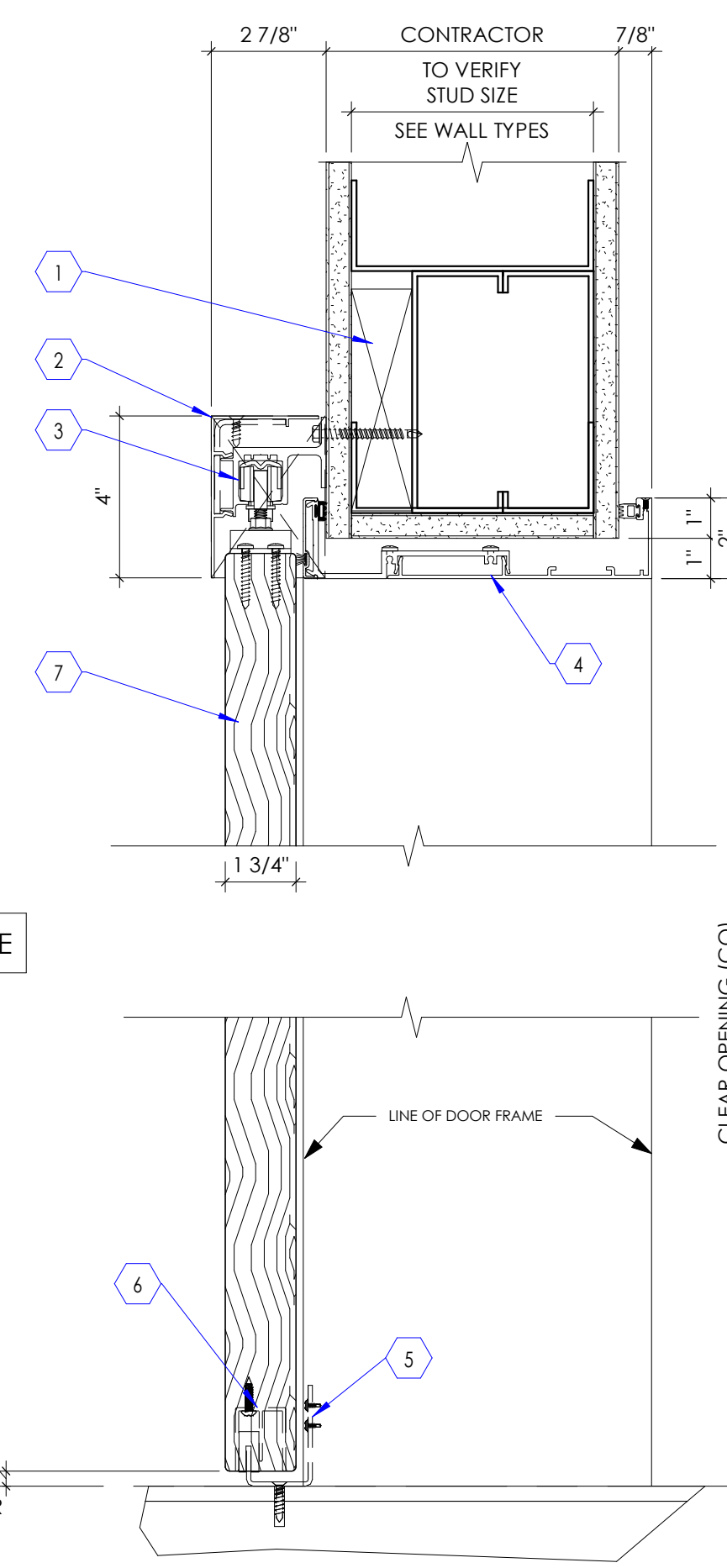
1 Door Frame in Stud Wall  
SCALE: 3" = 1'-0"

**KEYED NOTES**

1. CONTINUOUS SEALANT ON BOTH SIDES OF THE FRAME.
2. DOOR FRAME SEEN BEYOND.
3. DOOR, SEE DOOR SCHEDULE FOR DOOR TYPE.
4. GYPSUM BOARD, 5/8" THICK, TYPE 'X', ATTACH TO METAL STUD FRAMING, SEE WALL TYPES.
5. STEEL RUNNER (18 GAUGE) FASTENED WITH SCREWS TO STUD STUDS AT EACH END, SEE DETAIL 4/A502A.
6. HOLLOW METAL DOOR FRAME, FRAME THICKNESS VARIES WITH WALL THICKNESS, SEE FLOOR PLAN AND WALL SECTIONS, PAINT FRAME.
7. SEE WALL TYPES FOR WALL WIDTH AND STUD SIZE.
8. FRAME DEPTH SHALL BE WALL WIDTH PLUS 1".
9. LINE OF WALL, AS OCCURS.
10. PROVIDE DOUBLE METAL STUDS AT FRAME JAMBS, WALL ENDS, ETC., PROVIDE STEEL STRAPS (6" HIGH 16 GAUGE STRAPS AT 2'-0" O.C.) SEE DETAIL 7/A502A.
11. DOOR HINGE AS OCCURS, SEE DOOR AND HARDWARE SCHEDULE, SEE FLOOR PLAN FOR DOOR SWING.
12. 4 LBS MINERAL WOOL INSULATION AT DOOR FRAMES, KING STUDS AND HEADERS, TYPICAL AT ALL SLEEP ROOMS.

**KEYED NOTES**

1. 2 X 6 X CONT. FIRE TREATED WOOD BLOCKING FOR THE FULL LENGTH OF VALANCE PLUS 6" ON EITHER SIDE.
2. VALANCE WITH END CAPS PER MFR.
3. CLOSER & CARRIAGE TRACK PER MFR.
4. ALUMINUM DOOR FRAME PER MFR.
5. BOTTOM TRACK PER MFR.
6. SILL GUIDE PER MFR.
7. DOOR, SEE DOOR SCHEDULE, FINISH TO MATCH ALL NEW DOORS IN THE PROJECT.



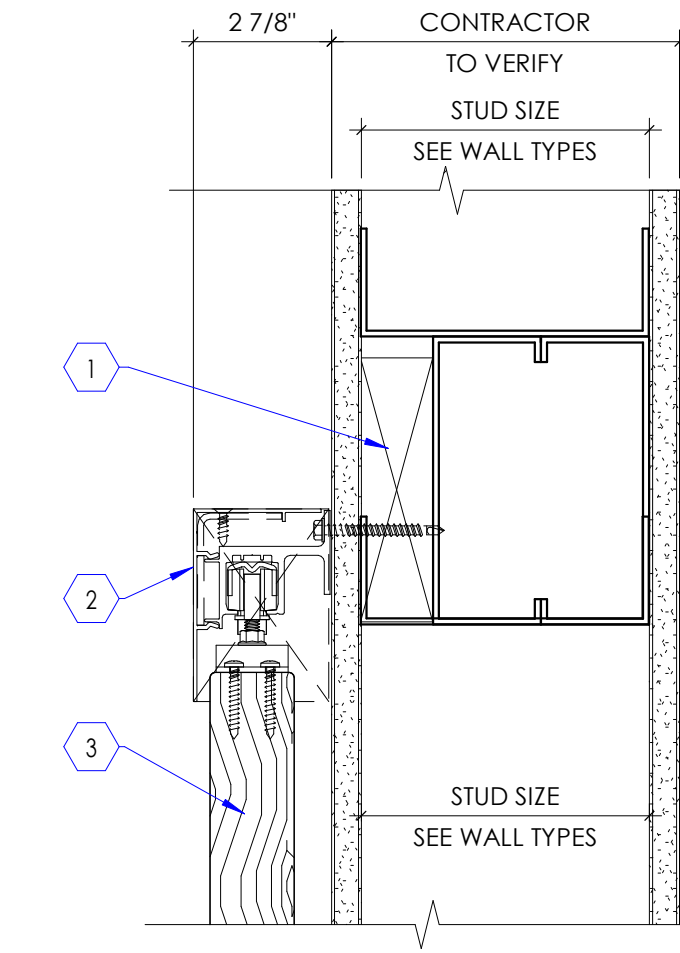
CORRIDOR SIDE

ROOM SIDE

2 Barn Door Detail Section Head and Sill  
SCALE: 3" = 1'-0"

**KEYED NOTES**

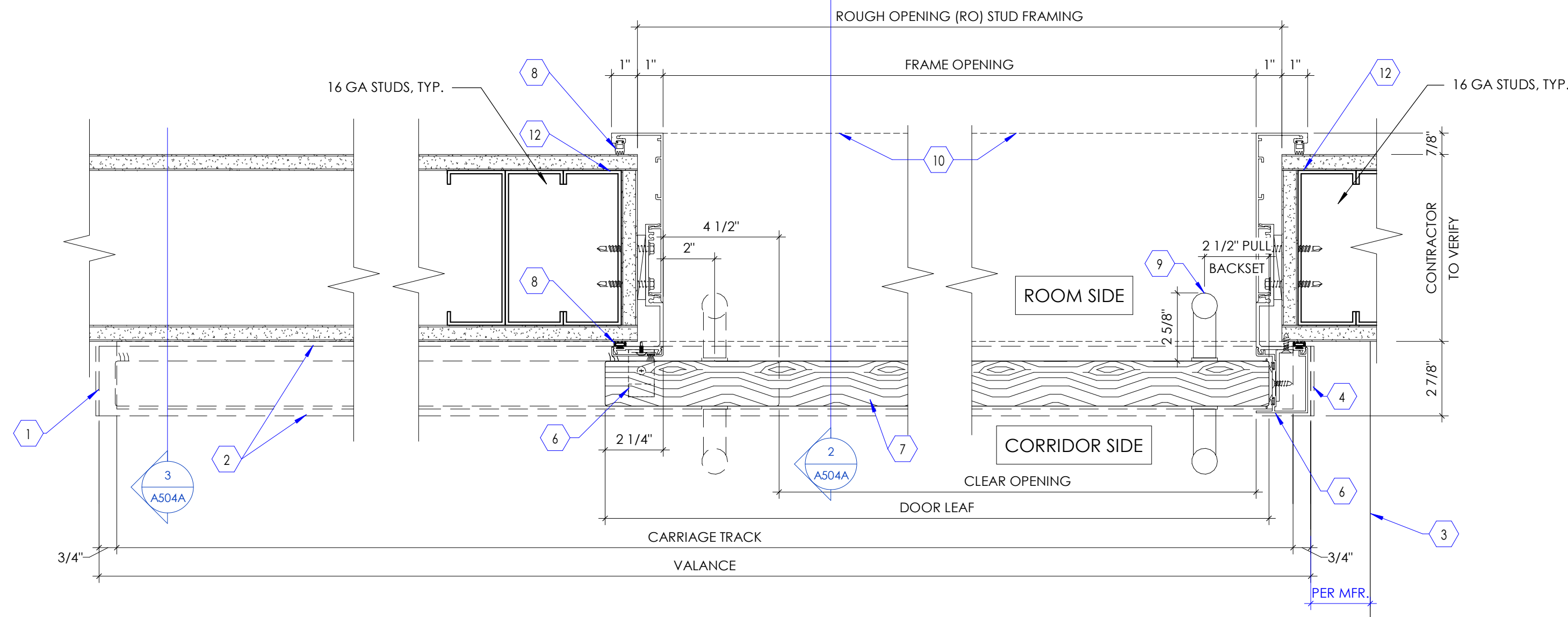
1. 2 X 6 X CONT. FIRE TREATED WOOD BLOCKING FOR THE FULL LENGTH OF VALANCE PLUS 6" ON EITHER SIDE.
2. VALANCE WITH END CAPS PER MFR.
3. DOOR, SEE DOOR SCHEDULE, FINISH TO MATCH ALL NEW DOORS IN THE PROJECT.



3 Barn Door Frame at Wall  
SCALE: 3" = 1'-0"

**KEYED NOTES**

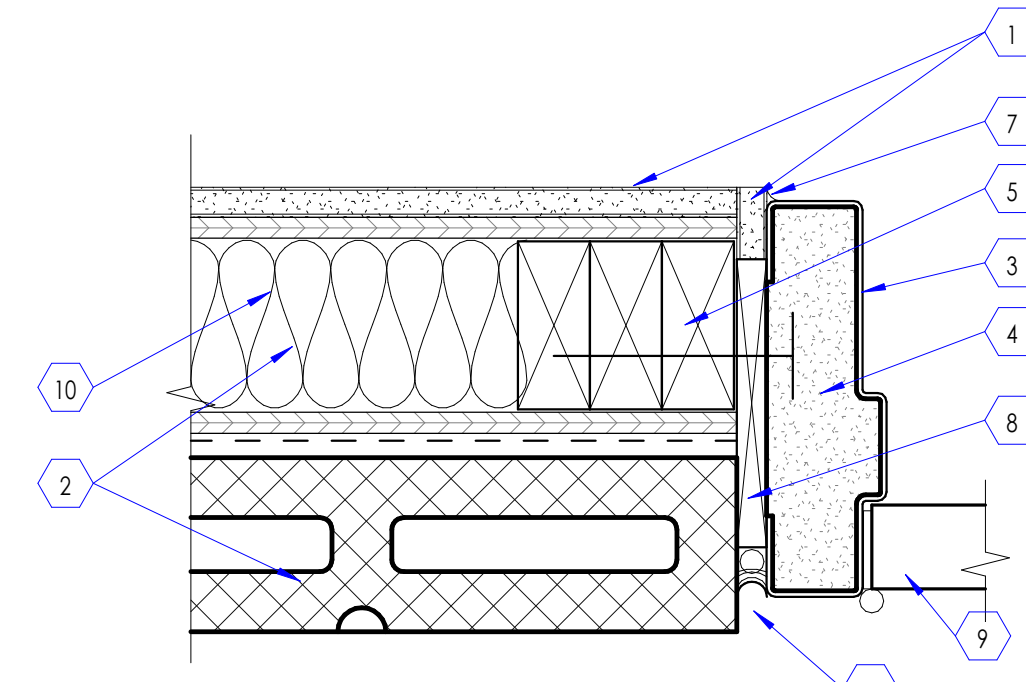
1. VALANCE WITH END CAPS PER MFR.
2. LINE OF VALANCE ABOVE.
3. FACE OF COLUMN FURRING AS OCCURS.
4. ALUMINUM DOOR FRAME PER MFR.
5. BOTTOM TRACK PER MFR.
6. SILL GUIDE PER MFR.
7. DOOR, SEE DOOR SCHEDULE, FINISH TO MATCH ALL NEW DOORS IN THE PROJECT.
8. EPDM GASKET BOTH SIDES PER MFR.
9. BACK TO BACK 1" LADDER PULLS.
10. LINE OF FRAME ABOVE.
11. STILE POCKET PER MFR.
12. FOR JAMB FRAMING CONDITION SEE DETAIL 7/A502A, PROVIDE 16 GA STUDS AT JAMBS AS OPPOSITE TO 16GA AS CALLED OUT ON DETAIL 7/A502A.



4 Barn Door Plan View Detail  
SCALE: 3" = 1'-0"

**KEYED NOTES**

1. NEW 5/8" THICK, TYPE 'X' GYPSUM BOARD FROM FINISHED FLOOR TO DECK ABOVE.
2. EXISTING EXTERIOR WALL FRAMING AND BRICK VENEER.
3. HOLLOW METAL DOOR AND FRAME, SEE DOOR SCHEDULE, ATTACH DOOR FRAME WITH REQUIRED CLIPS AND FASTENERS PER DOOR FRAME MANUFACTURERS RECOMMENDATIONS, GROUT FRAME, PAINT DOOR AND FRAME.
4. GROUT FRAME.
5. WOOD STUDS AT DOOR OPENINGS, ATTACH STUDS TOGETHER WITH STEEL STRAPS.
6. PROVIDE CONTINUOUS CAULKING WITH BACKER ROD AS REQUIRED, VERIFY CAULK COLOR WITH ARCHITECT.
7. INTERIOR CAULKING AND SEALANT, TYPICAL ALL SIDES.
8. CONTINUOUS SHIM AS REQUIRED.
9. DOOR AS SCHEDULED.
10. NEW KRAFT FACED BATT INSULATION FOR THE FULL DEPTH OF THE CAVITY.

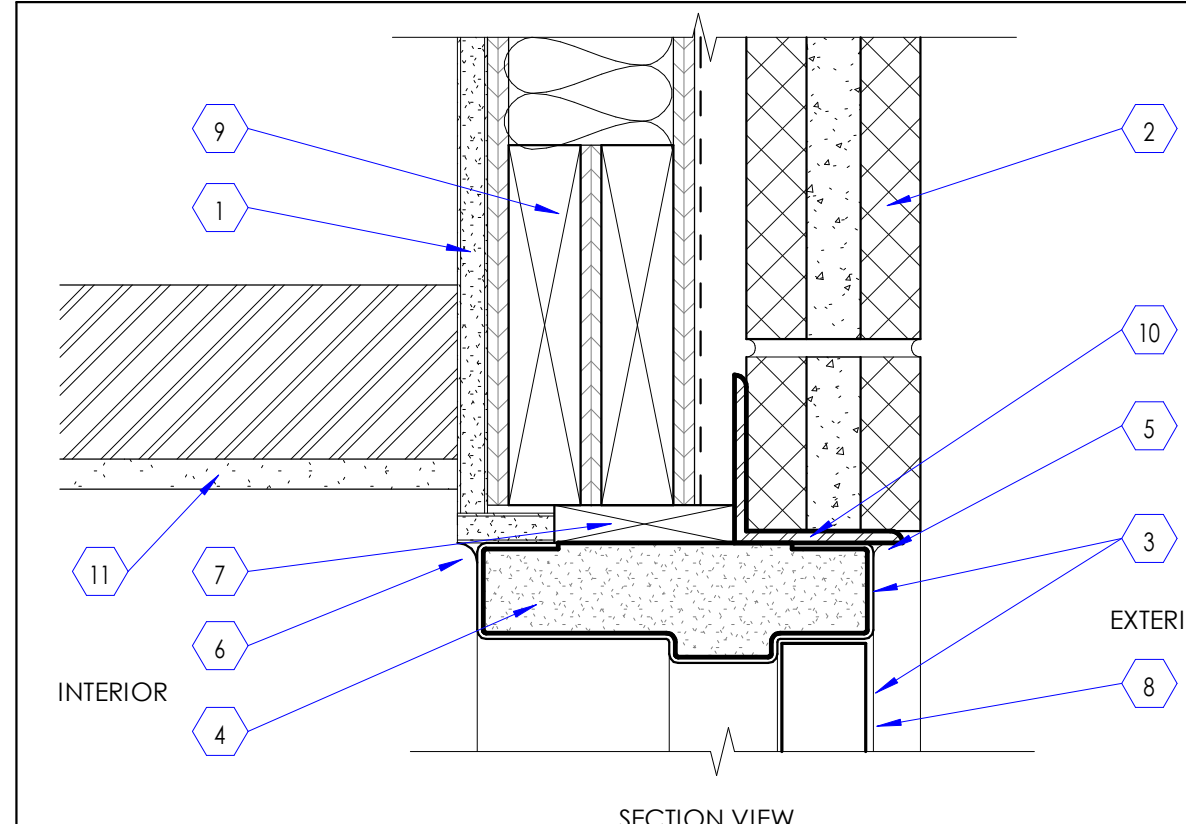


PLAN VIEW

5 Door Jamb Detail at Exterior Hollow Metal Frame  
SCALE: 3" = 1'-0"

**KEYED NOTES**

1. NEW 5/8" THICK, TYPE 'X' GYPSUM BOARD FROM FINISHED FLOOR TO DECK ABOVE.
2. NEW EXTERIOR BRICK VENEER TO MATCH ADJACENT EXISTING, SEE SPECIFICATIONS.
3. HOLLOW METAL DOOR AND FRAME, SEE DOOR SCHEDULE, ATTACH DOOR FRAME WITH REQUIRED CLIPS AND FASTENERS PER DOOR FRAME MANUFACTURERS RECOMMENDATIONS, PAINT DOOR AND FRAME.
4. GROUT FRAME.
5. PROVIDE CONTINUOUS CAULKING WITH BACKER ROD AS REQUIRED, VERIFY CAULK COLOR WITH ARCHITECT.
6. INTERIOR CAULKING AND SEALANT, TYPICAL ALL SIDES.
7. CONTINUOUS SHIM AS REQUIRED.
8. DOOR AS SCHEDULED.
9. NEW STRUCTURAL HEADER, SEE STRUCTURAL DRAWINGS.
10. NEW STEEL LINTEL, SEE STRUCTURAL DRAWINGS.
11. NEW GYPSUM BOARD CEILING, SEE DETAIL 5/A503A.

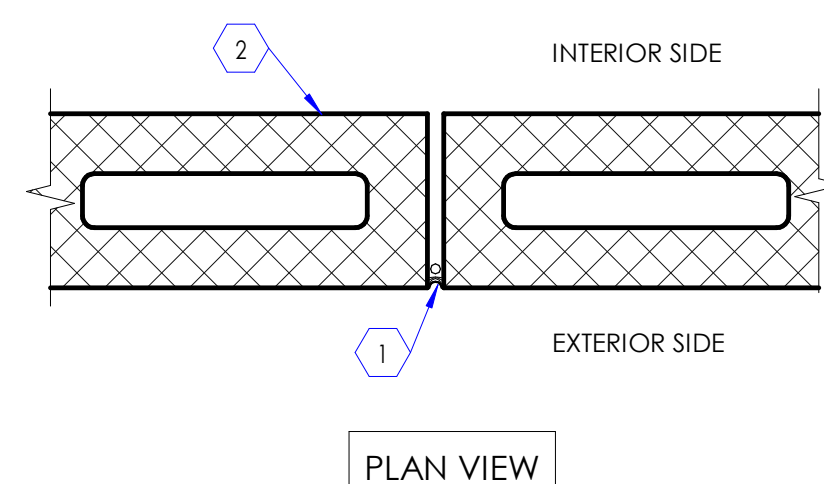


SECTION VIEW

6 Door Head Detail at Exterior Hollow Metal Frame  
SCALE: 3" = 1'-0"

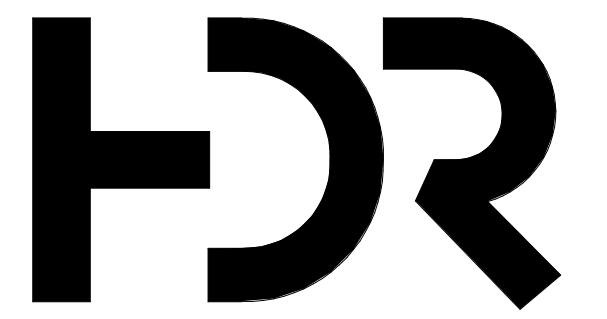
**KEYED NOTES**

1. PROVIDE CONTINUOUS CAULKING WITH BACKER ROD, CAULKING COLOR SHALL BE SELECTED BY ARCHITECT.
2. BRICK VENEER AS SCHEDULED.



PLAN VIEW

7 Brick Veneer Control Joint  
SCALE: 3" = 1'-0"



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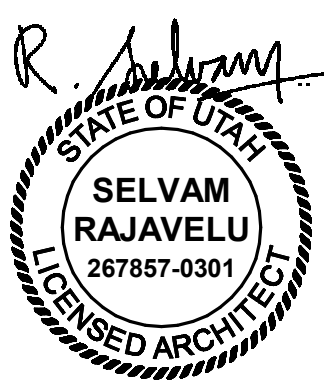


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Plumbing Engineer VAN BOERUM & FRANK  
Interior Designer RUBY THORP  
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Wayfinding

Sheet Reviewer Author

MARK DATE DESCRIPTION

Project Number 10173823  
Original Issue 11/6/20



Sheet Name  
Door & Window Details

Sheet Number  
A504A

Project Status  
100% Construction Documents





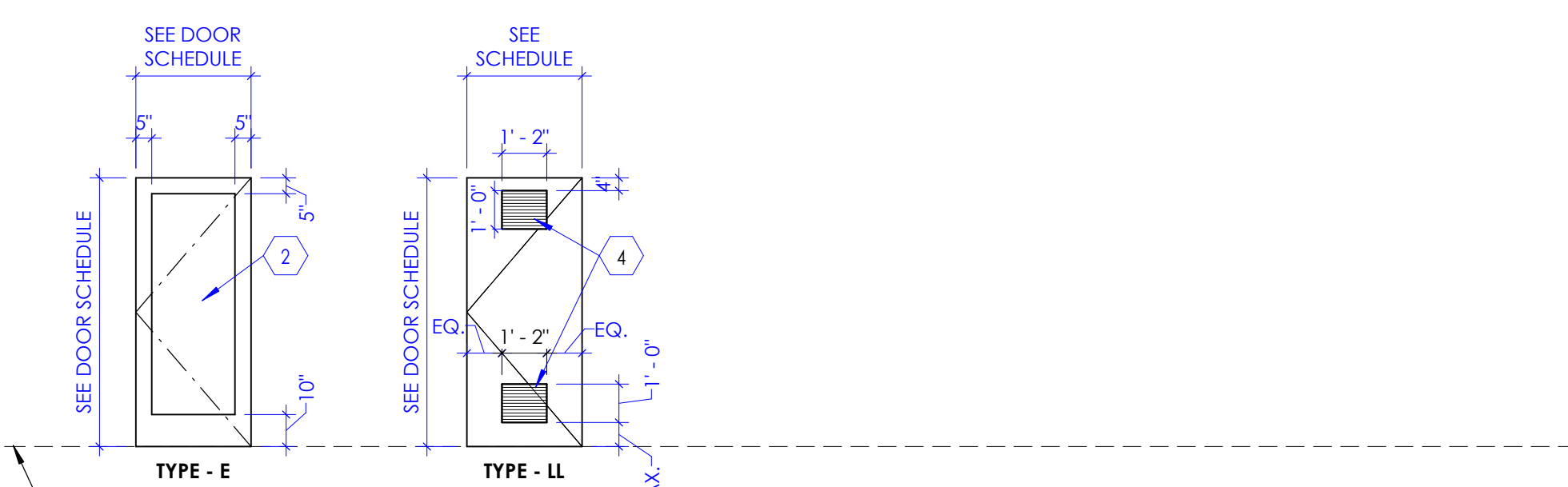
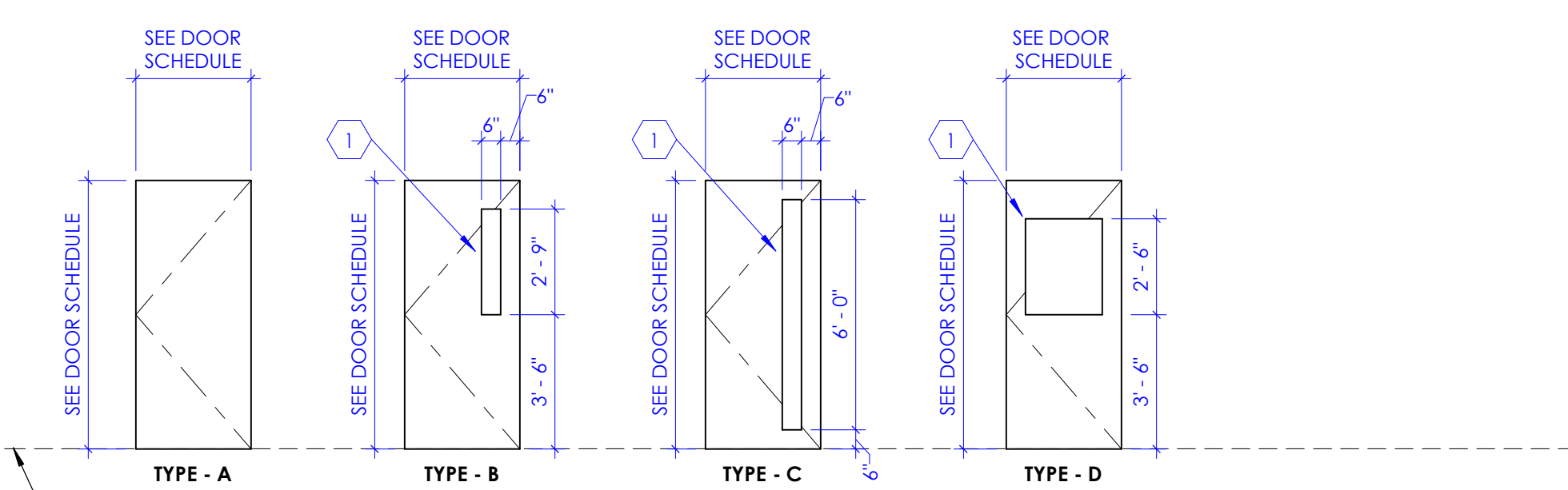






**KEYED NOTES**

- VISION PANEL, GLAZING IN VISION PANEL SHALL BE 1/4" THICK, CLEAR, TEMPERED. GLAZING FOR WOOD DOOR, PROVIDE WOOD TRIM FRAME FLUSH WITH THE FACE OF THE DOOR. AROUND THE VISION PANEL OPENING, STAIN AND SPECIES OF WOOD TRIM SHALL MATCH WOOD DOOR. FOR HOLLOW METAL DOOR, PROVIDE METAL TRIM AROUND VISION PANEL. GLAZING SHALL BE FIRE RATED IF DOORS ARE REQUIRED TO BE FIRE RATED.
- FOR EXTERIOR DOORS OF THIS TYPE, GLAZING SHALL BE TINTED, INSULATED, TEMPERED, LOW E, AND 1" THICK. FOR INTERIOR DOORS OF THIS TYPE, GLAZING SHALL BE CLEAR, TEMPERED AND 1/4" THICK.
- STAINLESS STEEL WELDED WIRE MESH (15 GAUGE) ATTACHED TO DOOR. PROVIDE FRAME AROUND THE OPENING IN DOOR TO SECURE THE MESH IN PLACE.
- METAL LOUVER IN DOOR FOR VENTILATION.



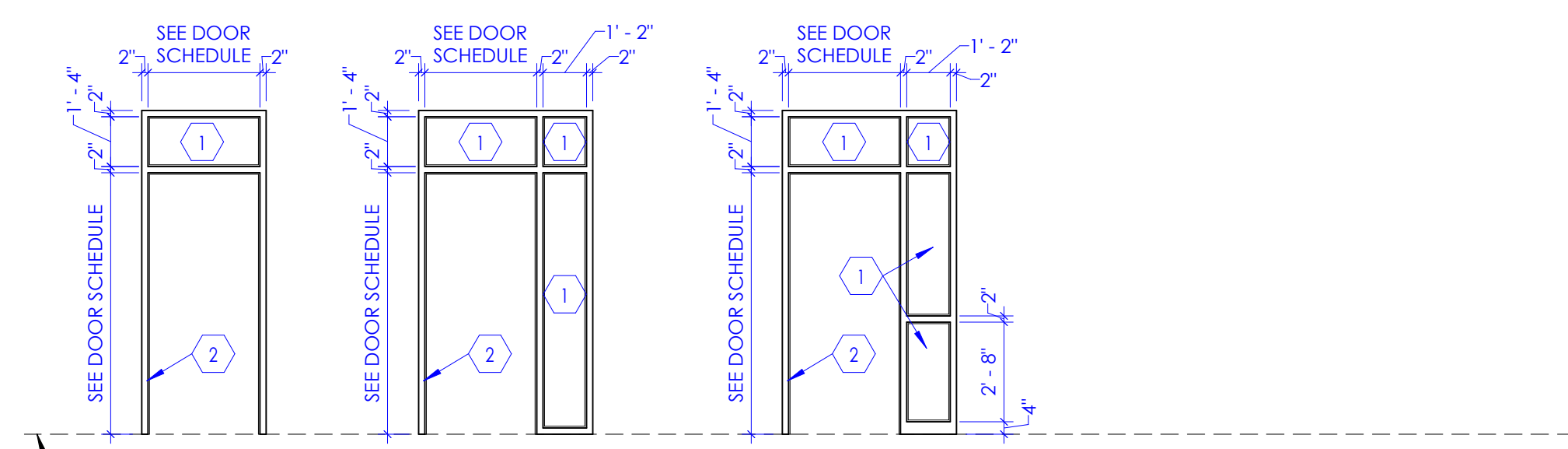
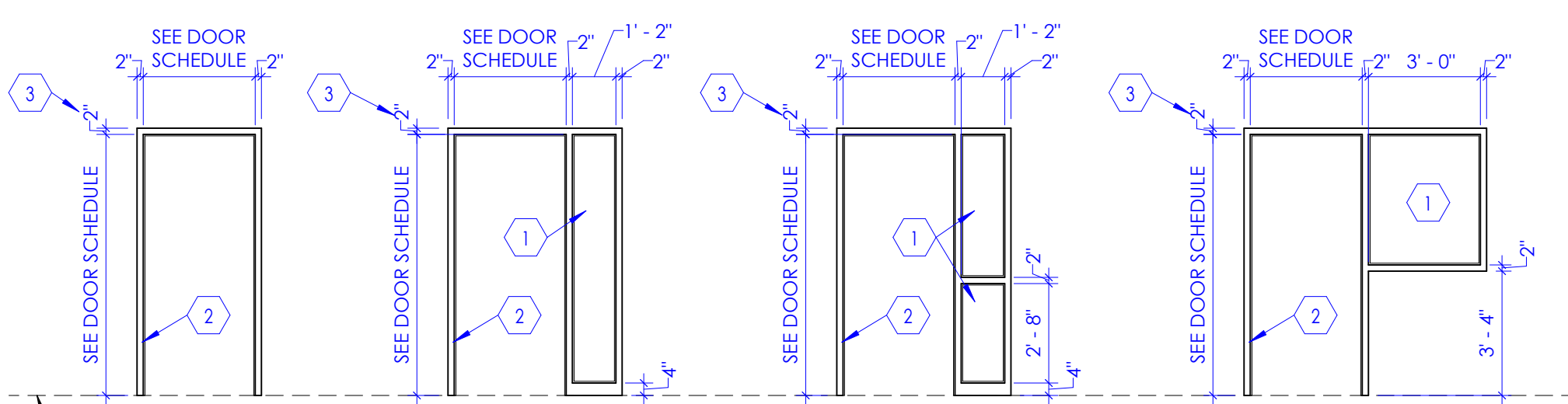
**1 Door Types**

NOTE: REFER TO "DOOR SCHEDULE" TABLE FOR DOOR TYPES REQUIRED FOR THIS PROJECT. SOME DOOR TYPE ELEVATIONS INDICATED ABOVE, MAY NOT BE APPLICABLE TO THIS PROJECT.

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

**KEYED NOTES**

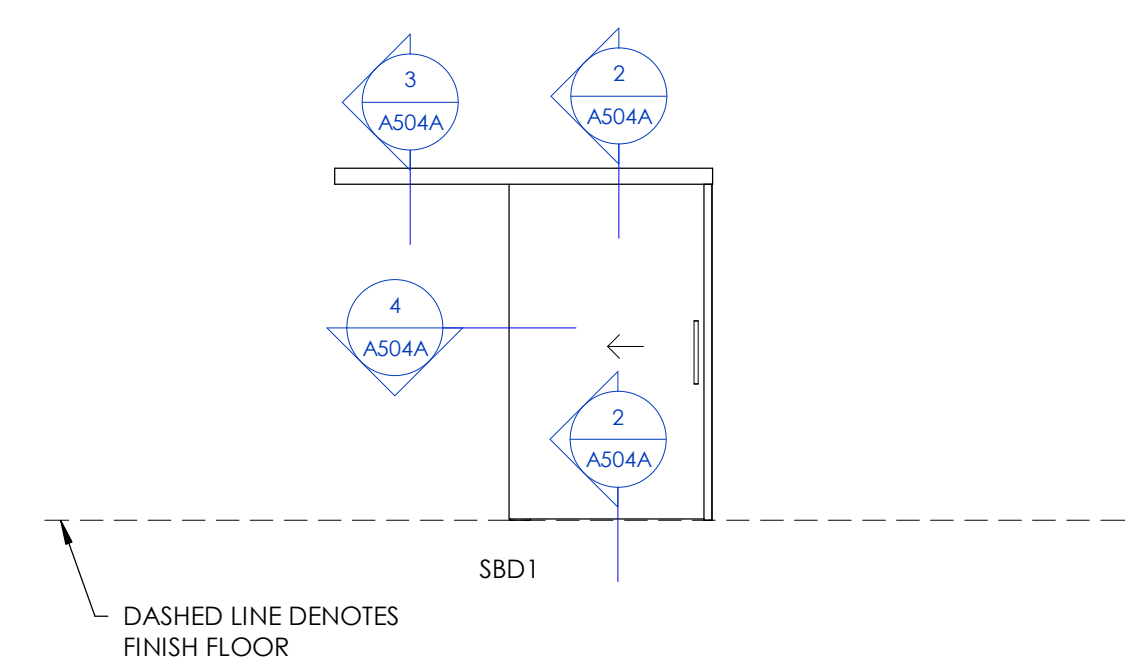
- GLAZING SHALL BE CLEAR, TEMPERED, AND 1/4" THICK.
- DOOR FRAME: SEE DOOR SCHEDULE.
- WHERE DOOR OCCURS AT MASONRY WALL (8" HIGH, C.M.U. BLOCKS), AND WITH A TYPICAL DOOR HEIGHT OF 7'-0", USE 4" FRAME AS FRAME HEAD INSTEAD OF THE STANDARD 2" FRAME.



**2 Frame Types**

NOTE: REFER TO "DOOR SCHEDULE" FOR FRAME TYPES REQUIRED FOR THIS PROJECT. SOME FRAME TYPE ELEVATIONS INDICATED ABOVE MAY NOT BE APPLICABLE TO THIS PROJECT.

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



**3 Sliding Barn Door Types**

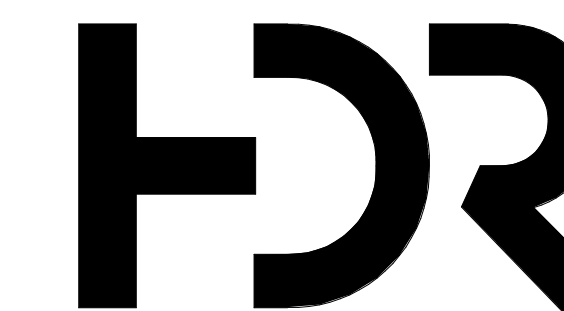
SCALE: 3/8" = 1'-0"

**DOOR SCHEDULE**

DOOR #	# OF PANELS	WIDTH		DOOR SIZE				FRAME			DETAILS			DOOR #	FIRE RATING (MINUTES)	HARDWARE GROUP	COMMENTS
		W1	W2	HEIGHT	THICKNESS	MATERIAL	TYPE (1/A601A)	TYPE (2/A601A)	DEPTH	MATERIAL	JAMB	HEAD	THRESHOLD				
A101	1	3'-0"		7'-10"	EXIST	ALUM	EXIST	EXIST	EXIST	ALUM	EXIST	A603A	A101				CR. INSTALL CARD READER ON MULLION OF EXISTING ALUMINUM STOREFRONT DOOR
A102	1	3'-0"		7'-0"	1 3/4"	WD	A	1	5 7/8"	HM	1/A504A	1/A504A	A603A	A102	4		
A103	1	3'-0"		7'-0"	1 3/4"	WD	A	1	5 7/8"	HM	1/A504A	1/A504A	A603A	A103	1		CR
A104	1	3'-0"		7'-0"	1 3/4"	WD	B	1	5 7/8"	HM	1/A504A	1/A504A	A603A	A104	8		
A105	1	3'-0"		7'-0"	1 3/4"	WD	B	1	5 7/8"	HM	1/A504A	1/A504A	A603A	A105	3		CR
A106	1	3'-0"		7'-0"	1 3/4"	WD	A	1	5 7/8"	HM	1/A504A	1/A504A	A603A	A106	5.1		
A107	1	3'-0"		7'-0"	1 3/4"	WD	A	1	5 7/8"	HM	1/A504A	1/A504A	A603A	A107	45	2	CR
A108	1	3'-0"		7'-0"	1 3/4"	WD	A	1	5 7/8"	HM	1/A504A	1/A504A	A603A	A108	7		
A109A	1	3'-7 1/4"		7'-0"	PER MFG.	WD	A	SBD1	PER MFG.	AL	4/A504A	2/A504A	A603A	A109A	10		
A109B	1	3'-7 1/4"		7'-0"	PER MFG.	WD	A	SBD1	PER MFG.	AL	4/A504A	2/A504A	A603A	A109B	10		
A110	1	3'-6"		7'-0"	1 3/4"	WD	A	1	5 7/8"	HM	1/A504A	1/A504A	A603A	A110	45	2.1	CR
A111	1	3'-0"		7'-0"	1 3/4"	WD	A	1	7 1/8"	HM	1/A504A	1/A504A	A603A	A111	6		
A112	1	3'-0"		7'-0"	1 3/4"	WD	A	1	7 1/8"	HM	1/A504A	1/A504A	A603A	A112	9		INTEGRATED SOUND CONTROL DOOR ASSEMBLY, STC 50 RATING
A113	1	3'-0"		7'-0"	1 3/4"	WD	A	1	7 1/8"	HM	1/A504A	1/A504A	A603A	A113	6		
A114	1	3'-0"		7'-0"	1 3/4"	WD	A	1	7 1/8"	HM	1/A504A	1/A504A	A603A	A114	9		INTEGRATED SOUND CONTROL DOOR ASSEMBLY, STC 50 RATING
A115	1	3'-0"		7'-0"	1 3/4"	WD	A	1	7 1/8"	HM	1/A504A	1/A504A	A603A	A115	6		
A116	1	3'-0"		7'-0"	1 3/4"	WD	A	1	7 1/8"	HM	1/A504A	1/A504A	A603A	A116	9		INTEGRATED SOUND CONTROL DOOR ASSEMBLY, STC 50 RATING
A117	1	3'-0"		7'-0"	1 3/4"	WD	A	1	7 1/8"	HM	1/A504A	1/A504A	A603A	A117	6		
A118	1	3'-0"		7'-0"	1 3/4"	WD	A	1	7 1/8"	HM	1/A504A	1/A504A	A603A	A118	9		INTEGRATED SOUND CONTROL DOOR ASSEMBLY, STC 50 RATING
A119	1	3'-4"		6'-11"	1 3/4"	HM	LL	1	6 1/4"	HM	5/A504A	6/A504A	A603A	A119	5		
A121	1	3'-0"		7'-0"	1 3/4"	WD	A	1	5 7/8"	HM	1/A504A	1/A504A	A603A	A121	1		CR

**COMMENTS**

- INFORMATION FOR THE FIRST COMMENT
- INFORMATION FOR THE SECOND COMMENT
- INFORMATION FOR THE THIRD COMMENT
- INFORMATION FOR THE FORTH COMMENT



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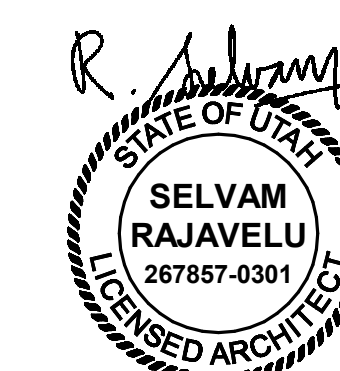


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**Project Architect** FRANK PENROSE  
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**Interior Designer** RUBY THORP  
**Equipment Planner** ROBERT GRIESCHE  
**Wayfinding**

**Sheet Reviewer** Author

**MARK DATE DESCRIPTION**

**Project Number** 10173823  
**Original Issue** 11/6/20



**Sheet Name**  
Door Schedule

**Sheet Number**  
**A601A**

**Project Status**  
100% Construction Documents





























SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
<b>REFERENCE AND LINE SYMBOLS</b>	
01	DETAIL INDICATOR: A5 INDICATES DETAIL NUMBER, E-501 INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
02	ELEVATION OR SECTION INDICATOR, EXTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
03	ELEVATION OR SECTION INDICATOR, INTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
04	ROOM IDENTIFIER WITH ROOM NAME AND NUMBER.
05	KEYNOTE INDICATOR.
06	REVISION INDICATOR.
07	EQUIPMENT INDICATOR.
08	MECHANICAL EQUIPMENT INDICATOR: "XX" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "XMDP" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
09	BREAK, STRAIGHT: TO BREAK PARTS OF DRAWING
10	BREAK, ROUND
11	MATCH LINE INDICATOR: CENTER, EXTRA WIDE LINE.
12	NEW LINE: MEDIUM LINE.
13	HIDDEN FEATURES LINE: HIDDEN, THIN LINE
14	EXISTING TO REMAIN LINE: THIN LINE.
15	DEMOLITION LINE: DASHED, MEDIUM LINE
16	PROPERTY LINE: DASHED, WIDE LINE.
17	CONTRACT LIMIT LINE: DASHDOT, WIDE LINE.
18	ELECTRICAL EQUIPMENT INDICATOR: "XXX" INDICATES TYPE OF EQUIPMENT OR EQUIPMENT ID. "EP-X" IDENTIFIES MECHANICAL EQUIPMENT BEING SERVED. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
19	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.
<b>WIRING DEVICES</b>	
02	RECEPTACLE, DUPLEX, NEMA 5-20R.
03	RECEPTACLE, DUPLEX, ABOVE COUNTER: NEMA 5-20R.
04	RECEPTACLE, DUPLEX, CEILING: NEMA 5-20R.
06	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, DRINKING FOUNTAIN: CONCEAL WATER COOLER RECEPTACLE BEHIND WATER COOLER. SEE MECHANICAL/PLUMBING SHOP DRAWINGS FOR INSTALLATION REQUIREMENTS.
08	RECEPTACLE, DUPLEX, SWITCHED: NEMA 5-20R.
11	RECEPTACLE, DUPLEX, WEATHERPROOF: NEMA 5-20R.
12	RECEPTACLE, DUPLEX, HOSPITAL GRADE: NEMA 5-20R.
14	RECEPTACLE, DUPLEX ON EMERGENCY POWER: NEMA 5-20R.
15	RECEPTACLE, DUPLEX, CONNECTED TO UPS: NEMA 5-20R.
16	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
17	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE: NEMA 5-20R.
18	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
19	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WEATHERPROOF: NEMA 5-20R.
20	RECEPTACLE, DUPLEX, RECESSED: NEMA 5-20R.
22	RECEPTACLE, QUADRAPLEX: NEMA 5-20R.
23	RECEPTACLE, QUADRAPLEX ON EMERGENCY POWER: NEMA 5-20R.
24	RECEPTACLE, QUADRAPLEX, HOSPITAL GRADE: NEMA 5-20R.
25	RECEPTACLE, QUADRAPLEX, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
26	RECEPTACLE, QUADRAPLEX, CONNECTED TO UPS: NEMA 5-20R.
27	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
28	RECEPTACLE, SPECIAL PURPOSE. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
29	RECEPTACLE, SPECIAL PURPOSE ON EMERGENCY POWER. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
33	MULTI-OUTLET ASSEMBLY: NEMA 5-20R.
36	FLUSH FLOOR BOX: "F" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
37	POWER POLE: "P" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
38	FLUSH FIRE RATED POKE THRU: "F" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
39	SWITCH, DIMMER.
40	SWITCH, SINGLE POLE ("X" INDICATES FIXTURES CONTROLLED).
41	SWITCH, DOUBLE POLE ("X" INDICATES FIXTURES CONTROLLED).
42	SWITCH, THREE-WAY ("X" INDICATES FIXTURES CONTROLLED).
43	SWITCH, FOUR-WAY ("X" INDICATES FIXTURES CONTROLLED).
45	SWITCH, KEY OPERATED.
52	RECEPTACLE, DUPLEX, TAMPER RESISTANT: NEMA 5-20R.
55	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, CONNECTED TO UPS: NEMA 5-20R.
56	RECEPTACLE, HOSPITAL GRADE, SINGLE PLEX, WITH USB OUTLET
57	RECEPTACLE, DUPLEX, RECESSED, NEMA 5-20R, AUTOMATICALLY CONTROLLED THROUGH TIME OR OCCUPANCY BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD)
58	RECEPTACLE, QUADRAPLEX, RECESSED, NEMA 5-20R, AUTOMATICALLY CONTROLLED THROUGH TIME OR OCCUPANCY BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD)
59	INDICATES A RECEPTACLE IS AUTOMATICALLY CONTROLLED THROUGH TIME OR OCCUPANCY BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD)

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
<b>WIRING METHODS</b>	
01	WIRING.
02	WIRING TURNED UP OR TOWARDS OBSERVER.
03	WIRING TURNED DOWN OR AWAY FROM OBSERVER.
04	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. USE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN THE ELECTRICAL SPECIFICATIONS.
05	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. NUMBER IN BOX REFERS TO THE CONDUCTOR AND CONDUIT SCHEDULE. FOR BRANCH WIRING USE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN THE ELECTRICAL SPECIFICATIONS.
08	WIRING AND/OR RACEWAY: THIN LINE: WHERE "X" = CATV = CABLE TELEVISION NC = NURSE CALL CCTV = CLOSED CIRCUIT P = POWER TELEVISION RC = RIGID CONDUIT FA = FIRE ALARM S = SOUND FO = FIBER OPTICS T = TELEPHONE I = INTERCOM TV = TELEVISION
OTHERS AS NOTED IN OTHER SCHEDULES. RACEWAYS AND WIRING SHALL BE SIZED AS SHOWN AND/OR SPECIFIED.	
09	LOW VOLTAGE WIRING: DIVIDE, MEDIUM LINE.
10	CONDUIT STUB: DIMENSION RECORD DRAWINGS AND MARK
11	CONDUCTOR & CONDUIT ("CC") SCHEDULE INDICATOR. REFER TO ONE-LINE DIAGRAM.
12	ADA ACCESS PUSH PLATE
13	JUNCTION BOX.
14	JUNCTION BOX, SYSTEMS FURNITURE COMMUNICATION CONNECTION
15	JUNCTION BOX, SECURITY SYSTEM, PROVIDE CONDUIT AND ROUGH-IN PER SECURITY DRAWINGS.
18	PULL BOX.
21	EARTH GROUND (ONE-LINE DIAGRAM).
22	JUNCTION BOX, CEILING.
23	LADDER RACK.
25	MECHANICAL EQUIPMENT CONNECTION. REFER TO EQUIPMENT SCHEDULE FOR REQUIREMENTS.
<b>ELECTRICAL POWER AND DISTRIBUTION</b>	
01	FUSE WITH RATING (ONE-LINE DIAGRAM).
02	DISCONNECT, FUSED (ONE-LINE DIAGRAM).
03	DISCONNECT, NONFUSED (ONE-LINE DIAGRAM).
07	CIRCUIT BREAKER, MOLDED CASE (ONE-LINE DIAGRAM).
08	CIRCUIT BREAKER, MOLDED CASE WITH SHUNT TRIP (ONE-LINE DIAGRAM).
10	CIRCUIT BREAKER, SOLID STATE (ONE-LINE DIAGRAM).
11	CIRCUIT BREAKER, SOLID STATE WITH GROUND FAULT PROTECTION (ONE-LINE DIAGRAM).
16	TRANSFORMER (ONE-LINE DIAGRAM).
23	PANELBOARD (ONE-LINE DIAGRAM).
23	PANELBOARD WITH MAIN LUGS ONLY. BUS SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
24	PANELBOARD WITH MAIN CIRCUIT BREAKER. SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
25	PANELBOARD WITH MAIN AND SUB FEED CIRCUIT BREAKER (ONE-LINE DIAGRAM).
26	PANELBOARD WITH MAIN LUGS ONLY AND SURGE PROTECTION WITH CIRCUIT BREAKER (ONE-LINE DIAGRAM).
<b>STRUCTURED CABLING IHC</b>	
01	IHC COMMUNICATIONS DEVICE (1 DATA).
02	IHC COMMUNICATIONS DEVICE (1 DATA / 1 ANALOG).
03	IHC COMMUNICATIONS DEVICE (1 DATA WALL PHONE).
04	IHC COMMUNICATIONS DEVICE (2 DATA).
05	IHC COMMUNICATIONS DEVICE (3 DATA).
06	IHC COMMUNICATIONS DEVICE (4 DATA).
07	IHC COMMUNICATIONS DEVICE (6 DATA).
08	IHC COMMUNICATIONS DEVICE PHYSIOLOGICAL MONITOR (1 DATA).
09	IHC COMMUNICATIONS DEVICE WIRELESS ACCESS POINT (2 DATA).
<b>CLOCK</b>	
01	CLOCK.
02	CLOCK, SURFACE WITH WIRE GUARD.

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
<b>ELECTRICAL POWER AND DISTRIBUTION</b>	
30	CT CABINET PER UTILITY'S REQUIREMENTS (ONE-LINE DIAGRAM).
31	TRANSFER SWITCH (ONE-LINE DIAGRAM).
32	DIGITAL MULTIMETER (ONE-LINE DIAGRAM).
33	SERVICE ENTRANCE SURGE PROTECTION (ONE-LINE DIAGRAM).
35	GENERATOR, POWER (ONE-LINE DIAGRAM).
36	METER.
38	VARIABLE FREQUENCY MOTOR CONTROLLER (ONE-LINE DIAGRAM).
41	DISCONNECT SWITCH, FUSED.
42	DISCONNECT SWITCH, UNFUSED.
43	STARTER, COMBINATION WITH DISCONNECT SWITCH.
44	STARTER OR MOTOR CONTROLLER.
45	PUSHBUTTON.
46	PUSHBUTTONS, MOTOR CONTROL.
47	PANELBOARD CABINET, FLUSH MOUNTED.
48	PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.
49	PANELBOARD CABINET, SURFACE MOUNTED, 2 SECTION.
50	DISTRIBUTION PANEL OR SWITCHBOARD.
51	LIGHTING RELAY, CONTACTOR PANEL, OR DIMMING ENCLOSURE.
52	LIGHTING CONTROL STATION.
53	DIMMING ENTRY STATION OR CONTROL STATION, FLUSH MOUNTED.
55	SWITCH, TOGGLE MOTOR STARTER WITH OVERLOAD PROTECTION.
56	TRANSFORMER: NUMBER INDICATES KVA.
59	RELAY CONTACT, NORMALLY CLOSED (ONE-LINE DIAGRAM).
60	RELAY CONTACT, NORMALLY OPEN (ONE-LINE DIAGRAM).
61	SPECIALIZED TRANSFER SWITCH (ONE-LINE DIAGRAM).
69	PHASE ROTATION MONITOR (ONE-LINE DIAGRAM).
<b>LIGHTING (REFER TO FIXTURE SCHEDULE FOR SYMBOLS)</b>	
01	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
02	FIXTURE IDENTIFICATION, EMERGENCY WITH BATTERY PACK, CONNECTED TO GENERATOR AS INDICATED: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
05	EGRESS DIRECTION ARROW (EXIT SIGNS).
07	EXIT SIGN: SINGLE FACE; CEILING MOUNTED
08	EXIT SIGN: SINGLE FACE; WALL MOUNTED
09	EXIT SIGN: DOUBLE FACE; CEILING MOUNTED
10	EXIT SIGN: DOUBLE FACE; WALL MOUNTED
<b>LIGHTING CONTROL</b>	
01	OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMN-DIRECTIONAL, CEILING.
03	OCCUPANCY SENSOR, DUAL TECHNOLOGY, DIRECTIONAL.
06	VACANCY SENSOR, DUAL TECHNOLOGY, OMN-DIRECTIONAL, CEILING.
07	VACANCY SENSOR, DUAL TECHNOLOGY, WALL.
08	PHOTOCCELL.
09	TIME CLOCK.
10	HOUSE RELAY SCHEDULE INDICATOR.
11	LITE TOUCH STATION INDICATOR.
14	SWITCH/OCCUPANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
15	SWITCH/VACANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
16	DIMMER SWITCH/OCCUPANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
17	DIMMER SWITCH/VACANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
18	LOW VOLTAGE DIGITAL LIGHTING CONTROL SWITCH: LETTER "A" INDICATES ZONING WHERE SHOWN (REFER TO PLANS, SCHEDULES, AND DETAILS FOR EXACT BUTTON CONFIGURATION AND PROGRAMMING REQUIREMENTS)
19	DIGITAL LIGHTING DIMMING CONTROLLER
20	DIGITAL PLUG LOAD CONTROLLER
23	DIGITAL LIGHTING ROOM CONTROLLER
25	LIGHTING NETWORK SEGMENT MANAGER
26	LIGHTING SPACE CONTROL TYPE: X INDICATES TYPE. SEE SCHEDULE / DIAGRAM.
<b>SECURITY</b>	
01	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE.
02	ACCESS CONTROL HEADEND EQUIPMENT.
03	SECURITY CONTROL PANEL.
04	INTRUSION DETECTION HEADEND EQUIPMENT.
05	CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE.
06	CARD READER.
09	EXIT REQUEST.
10	REMOTE DOOR RELEASE BUTTON.
21	PANIC DURESS SWITCH.

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
<b>FIRE ALARM</b>	
01	FIRE SYSTEM ANNUNCIATOR.
02	FIRE ALARM CONTROL PANEL, SEMI-RECESSED.
07	CONTROL MODULE.
08	MONITOR MODULE.
09	FIRE ALARM MANUAL PULL STATION.
10	SHUT DOWN RELAY: INSTALL RELAY IN CONTROL CIRCUIT OF EQUIPMENT TO BE CONTROLLED IN THE EVENT OF A FIRE.
15	MAGNETIC DOOR HOLDER.
19	DETECTOR, SMOKE.
19	DETECTOR, SMOKE, ELEVATOR RECALL DESIGNATION.
22	DETECTOR, SMOKE, DUCT WITH HOUSING AND SAMPLING TUBE.
25	STROBE.
25	STROBE. SUBSCRIPT INDICATES CANDELA RATING.
29	ALARM, HORN/STROBE, ONE ASSEMBLY.
29	ALARM, HORN/STROBE, ONE ASSEMBLY. SUBSCRIPT INDICATES CANDELA RATING.
30	ALARM, CHIME/STROBE, ONE ASSEMBLY.
34	SPEAKER, EVACUATION.
34	SPEAKER, EVACUATION, COMBINATION STROBE.
35	DETECTOR, TAMPER SWITCH WITH VALVE: TAMPER SWITCHES SHALL BE PROVIDED AND INSTALLED WITH FIRE SPRINKLER SYSTEM AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
36	DETECTOR, TAMPER SWITCH WITH VALVE: TAMPER SWITCHES SHALL BE PROVIDED AND INSTALLED WITH FIRE SPRINKLER SYSTEM AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
37	SMOKE DAMPER.
38	FIRE AND SMOKE DAMPER.
42	ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
44	ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
44	ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
<b>TECHNOLOGY SYSTEMS</b>	
01	TECHNOLOGY SYSTEM CABLE. SEE SPECIFIC JOB EQUIPMENT LIST FOR APPLICABLE DESIGNATIONS.
EXAMPLES:	
C	CONTROL CABLE, 10 AWG, 1 CONDUCTOR, GREEN INSULATED
M	MICROPHONE CABLE
S	SPEAKER CABLE, 10 VOLT SYSTEM
Z	SPEAKER CABLE, 8 OHM SYSTEM
02	SPEAKER, CEILING MOUNTED.
21	EQUIPMENT CABINET.
22	MEDIA CONNECTION PLATE.
23	AUDIO/VISUAL OUTLET.
24	SCREEN, PROJECTION, CEILING MOUNTED.
25	PROJECTOR, CEILING MOUNTED.
26	VIDEO CONFERENCING CAMERA.
35	VOLUME CONTROL.
36	AMPLIFIER (ONE-LINE DIAGRAM).
38	POWER BRIDGE (VARIZONE DIGITAL PAGING SYSTEM).
57	TERMINATOR (VARIZONE DIGITAL PAGING SYSTEM).
<b>NURSE CALL</b>	
01	JUNCTION BOX.
02	CORRIDOR LIGHT.
03	BATHROOM PULL CORD STATION.
04	DUTY STATION.
05	EMERGENCY ASSISTANCE CALL STATION.
06	EMERGENCY ASSISTANCE CODE BLUE CALL STATION.
07	PATIENT STATION.
08	STAFF STATION.
09	TOUCH SCREEN NURSE CALL MASTER STATION.
10	ZONE LIGHT CONTROLLER.
11	NURSE CALL AREA CONTROL UNIT & POWER SUPPLIES.
<b>SECURITY</b>	
01	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE.
02	ACCESS CONTROL HEADEND EQUIPMENT.
03	SECURITY CONTROL PANEL.
04	INTRUSION DETECTION HEADEND EQUIPMENT.
05	CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE.
06	CARD READER.
09	EXIT REQUEST.
10	REMOTE DOOR RELEASE BUTTON.
21	PANIC DURESS SWITCH.

SYMBOLS LEGEND			
SYMBOL	DESCRIPTION		
<b>TV DISTRIBUTION</b>			
01	TV DISTRIBUTION CABLE, INDIVIDUAL DROPS.		
02	TV DISTRIBUTION CABLE, TRUNK.		
03	COMBINER.		
04	DIRECTIONAL COUPLER.		
05	DISTRIBUTION AMPLIFIER (ONE-LINE DIAGRAM).		
06	SPLITTER (ONE-LINE DIAGRAM).		
07	TV OUTLET.		
10	TERMINATOR, 75 OHM (TV DISTRIBUTION).		
<b>ABBREVIATIONS</b>			
NOTE: ALL ABBREVIATIONS MAY NOT BE USED.			
1P	SINGLE POLE	KV	KILOVOLT
1PH	SINGLE-PHASE	KVA	KILOVOLT AMPERE
1WAY	ONE-WAY	KVOLT	AMPERE REACTIVE
2/C	TWO-CONDUCTOR	KW	KILOWATT
2WAY	TWO-WAY	KWH	KILOWATT HOUR
3/C	THREE-CONDUCTOR	LED	LIGHT EMITTING DIODE
3WAY	THREE-WAY	LFTM	LIQUID TIGHT FLEXIBLE METAL CONDUIT
4OUT	QUADRUPLER RECEPTACLE	LFTNC	LIQUID TIGHT FLEXIBLE NONMETAL CONDUIT
4PT	FOUR-POLE DOUBLE THROW	LPS	LOW PRESSURE SODIUM
4PST	FOUR-POLE SINGLE THROW	LRA	LOCKED ROTOR AMPS
4W	FOUR-WIRE	LTG	LIGHTING
4WAY	FOUR-WAY	LV	LOW VOLTAGE
A	ABOVE COUNTER	MA TV	MASTER ANTENNA TELEVISION SYSTEM
AC	ARMORED CABLE	MCL	METAL CLAD
ADA	AMERICANS WITH DISABILITIES ACT	MCA	MINIMUM CIRCUIT AMPS
ADJ	ADJACENT	MCB	MAIN CIRCUIT BREAKER
AFF	ABOVE FINISHED FLOOR	MCC	MOTOR CONTROL CENTER
AFG	ABOVE FINISHED GRADE	MCP	MOTOR CIRCUIT PROTECTION
AIC	AMPERE INTERRUPTING CAPACITY	MDP	MAIN DISTRIBUTION PANEL
ALUM	ALUMINUM	MG	MOTOR GENERATOR
AMP	AMPERE	MH	MANHOLE
ANN	ANNUNCIATOR	MIN	MINIMUM
AP	ACCESS POINT (WIRELESS DATA)	MLO	MAIN LUGS ONLY
AR	AS REQUIRED	MOCPP	MAXIMUM OVERCURRENT PROTECTION
ASC	AMPS SHORT CIRCUIT	MNTS	NOT APPLICABLE
ATS	MANUAL TRANSFER SWITCH	NS	NORMALLY CLOSED
AV	AUDIO VISUAL	NEC	NATIONAL ELECTRICAL CODE
AWG	AMERICAN WIRE GAGE	NEMA	NATIONAL ELECTRICAL CODE MANUFACTURERS ASSOCIATION
BB	BUCK-BOOST TRANSFORMER	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CB	CIRCUIT BREAKER	NFC	NOT IN CONTRACT
CBA	CUSTOM COLOR AS SELECTED BY ARCHITECT	NIC	NORMALLY OPEN
CCTV	CLOSED CIRCUIT TELEVISION	NTS	NOT TO SCALE
CF/CI	CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED	OC	ON CENTER
CF/OI	CONTRACTOR FURNISHED/ OWNER INSTALLED	OCP	OWNER CURRENT PROTECTION
CFBA	CUSTOM FINISH AS SELECTED BY ARCHITECT	OF/CI	OWNER FURNISHED/ CONTRACTOR INSTALLED
CM	CIRCUIT	OF/OI	OWNER FURNISHED/ OWNER INSTALLED
CMT	CONSTRUCTION MANAGER	OPF	OBTAIN FROM PLANS
CON	CONDUIT	OR DR	OVERHEAD (COILING) DOOR
CO	CONVENIENCE OUTLET	OS	OVERHEAD
COF	CONTRACTING OFFICERS REPRESENTATIVE	PB	PUSHBUTTON
CP	CURRENT TRANSFORMER	PF	POWER FACTOR
CTV	CABLE TELEVISION	PH	PHASE
CU	COPPER	PNL	PANEL
DBA	DOUBLE POLE, DOUBLE THROW	PT	POTENTIAL TRANSFORMER
DS	DISCONNECT SWITCH	PTZ	PAN/TILT/ZOOM
EA	EACH	QTY	QUANTITY
EM	EMERGENCY	R	REMOVE
EMT	ELECTRICAL METALLIC TUBING	REF	REFLECTED CEILING PLAN
ENT	ELECTRIC NONMETALLIC TUBING	RMC	RIGID METAL CONDUIT
EPO	EQUIPMENT POWER OFF	RNC	RIGID NONMETAL CONDUIT
EQUIP	EQUIPMENT	RP	REVOLUTIONS PER MINUTE
EX	EXISTING	RR	REMOVE AND RELOCATE
F	FURNITURE MOUNTED	S/S	START/STOP
FA	FIRE ALARM	SCA	SHORT CIRCUIT AMPS
FCP	FIRE ALARM CONTROL PANEL	SCBA	STANDARD FINISH AS SELECTED BY ARCHITECT
FLA	FULL LOAD AMPS	SF	SQUARE FOOT (FEET)
FMC	FLEXIBLE METAL CONDUIT	SFBA	STANDARD FINISH AS SELECTED BY ARCHITECT
FOB	FREIGHT ON BOARD	SPD	SURGE PROTECTIVE DEVICE
FVNR	FULL VOLTAGE NON-REVERSING	SPDT	SINGLE POLE, DOUBLE THROW
FVR	FULL VOLTAGE REVERSING	SPEC	SPECIFICATION
G	GROUND	SPST	SINGLE POLE, SINGLE THROW
GEN	GENERATOR	ST	SINGLE THROW
GFCI	GROUND FAULT INTERRUPTER	SWBD	SWITCHBOARD
GF	GROUND FAULT PROTECTION	SWGR	SWITCHGEAR
HD	HEAVY DUTY	TL	TWIST LOCK
HOA	HAND-OFF-AUTOMATIC	TP	TELEPHONE POLE
HP	HORSE POWER	TP	TWISTED PAIR
HPF	HIGH POWER FACTOR	TTB	TELEPHONE TERMINAL BOARD
HPS	HIGH PRESSURE SODIUM	TV	TELEVISION
HV	HIGH VOLTAGE	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
HZ	HERTZ	TYF	TYPICAL
IO	INPUT/OUTPUT	UF	UNDERFLOOR
IG	ISOLATED GROUND	UGND	UNDERGROUND
IMC	INTERMEDIATE METAL CONDUIT	UPS	UNINTERRUPTIBLE

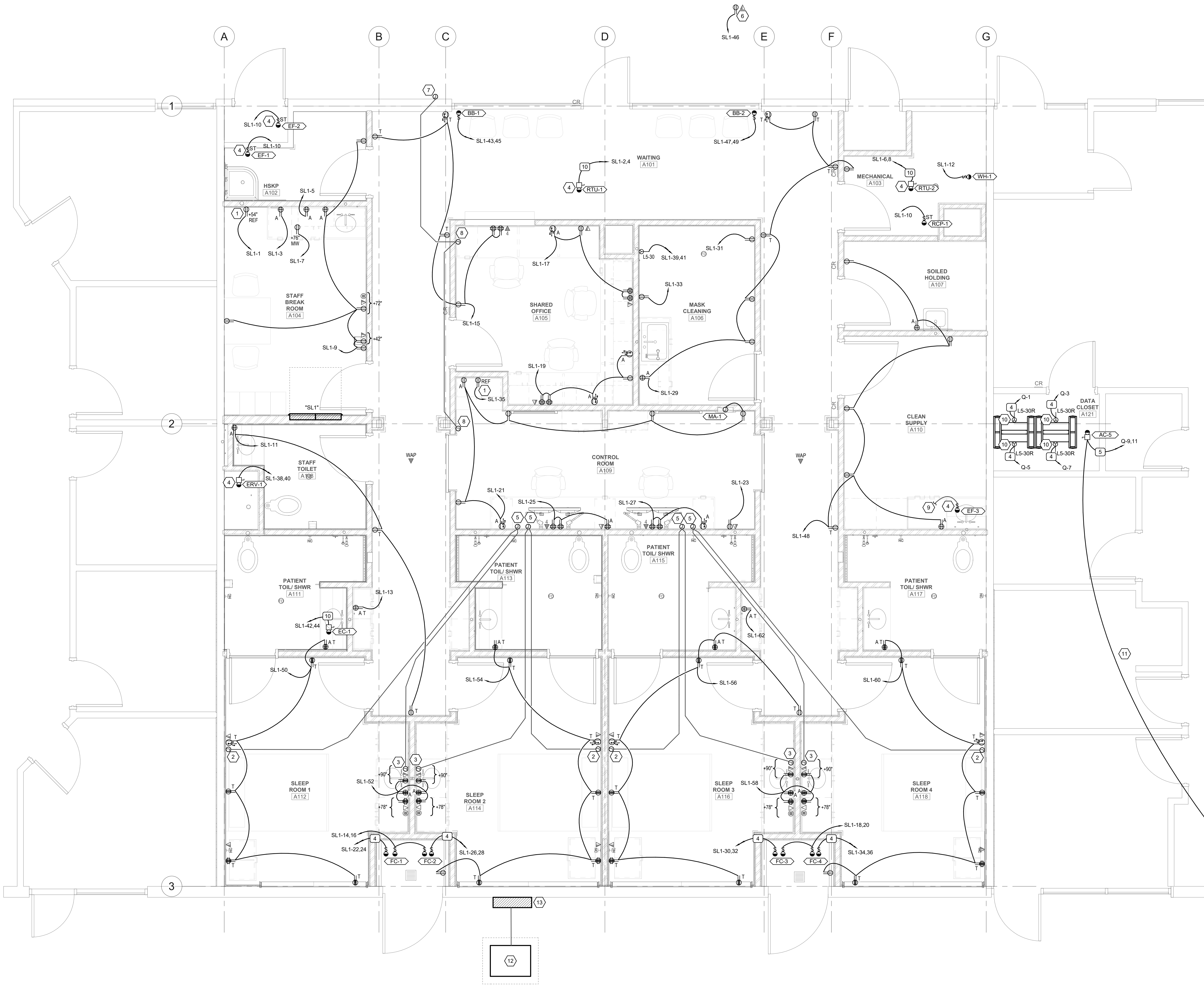












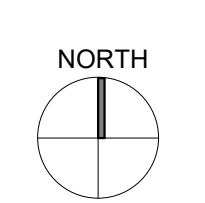
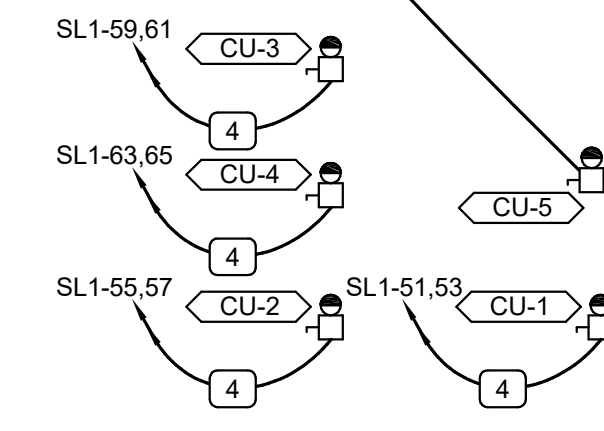
**A5** LEVEL 1 POWER PLAN  
SCALE: 3/8" = 1'-0"

**GENERAL SHEET NOTES**

- 1 PROVIDE LABELS ON ALL NEW DEVICES PER PROJECT SPECIFICATIONS CONFORMING WITH DIVISION 26 SPECIFICATIONS FOR IDENTIFICATION OF ELECTRICAL EQUIPMENT AND INTERMOUNTAIN'S DIVISION 27 SPECIFICATIONS PRIOR TO SUBSTANTIAL COMPLETION.
- 2 PROVIDE RECESSED COMBINATION SPEAKER/MICROPHONE INTERCOM STATION (LOURO'S ELECTRONICS TLM-1E). PROVIDE CONTROL CABLES BACK TO CONTROL ROOM PER MANUFACTURER INSTALLATION INSTRUCTIONS. COORDINATE EXACT MOUNTING HEIGHT WITH OWNER IN FIELD.
- 3 PROVIDE JUNCTION BOX FOR CONNECTION TO CAMERA. PROVIDE CONTROL CABLES BACK TO CONTROL ROOM.
- 4 PROVIDE MECHANICAL CONNECTION ON ROOF. COORDINATE EXACT LOCATION WITH MECHANICAL PLANS.
- 5 PROVIDE JUNCTION BOX BELOW COUNTER FOR SINGLE INTERCOM BASE STATION. PROVIDE INTERCOM BASE STATION (LOURO'S ELECTRONICS AP-1TB) AND ASSOCIATED CABLING CONNECTIONS.
- 6 RECEPTACLE AND TELE/DATA CONNECTION IN TDR FOR SECURITY SYSTEM POWER SUPPLY.
- 7 PROVIDE AIPHONE JO-DV VIDEO DOOR STATION.
- 8 PROVIDE AIPHONE GT-1M3 VIDEO TENANT STATION. PROVIDE CABLING PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 9 CONNECT POWER TO LIGHTING CIRCUIT SERVING SPACE.
- 10 MOUNT SPECIAL RECEPTACLE ON THE TOP OF DATA RACK IN SPACE. COORDINATE EXACT LOCATION IN THE FIELD.
- 11 PROVIDE ADDITIONAL CONDUIT BETWEEN INDOOR AND OUTDOOR UNIT FOR CONTROL WIRING PER MANUFACTURER INSTALLATION INSTRUCTION.
- 12 EXISTING UTILITY TRANSFORMER TO BE REMOVED AND REPLACED BY LOGAN POWER. COORDINATE REMOVAL AND REINSTALLATION WITH LOGAN POWER.
- 13 NEW METER BANK.

**SHEET KEYNOTES**

- 1 PROVIDE GFCI CIRCUIT BREAKER FOR INDICATED DEVICE.
- 2 PROVIDE RECESSED COMBINATION SPEAKER/MICROPHONE INTERCOM STATION (LOURO'S ELECTRONICS TLM-1E). PROVIDE CONTROL CABLES BACK TO CONTROL ROOM PER MANUFACTURER INSTALLATION INSTRUCTIONS. COORDINATE EXACT MOUNTING HEIGHT WITH OWNER IN FIELD.
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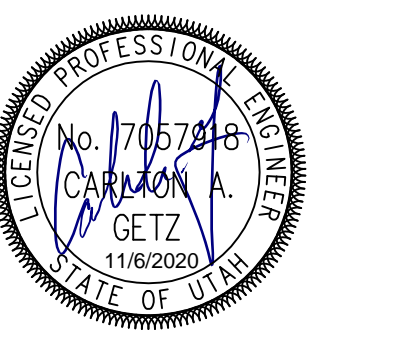
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<b>Electrical Engineer</b>	SPECTRUM
<b>Plumbing Engineer</b>	VAN BOERUM & FRANK
<b>Interior Designer</b>	RUBY THORP
<b>Equipment Planner</b>	ROBERT GRIESCHE
<b>Wayfinding</b>	

MARK	DATE	DESCRIPTION

Project Number: 10173823  
Original Issue: 11/6/20

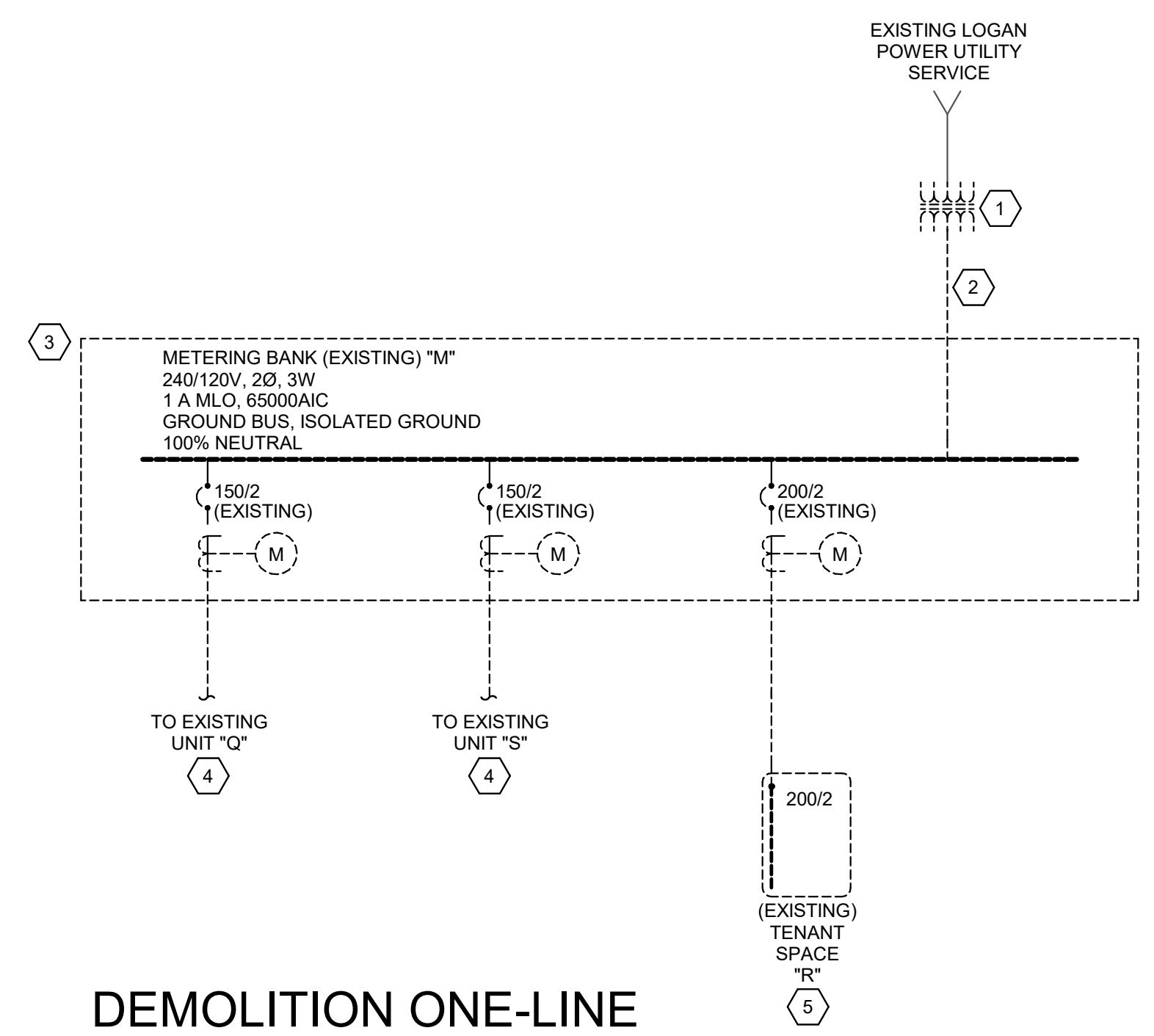


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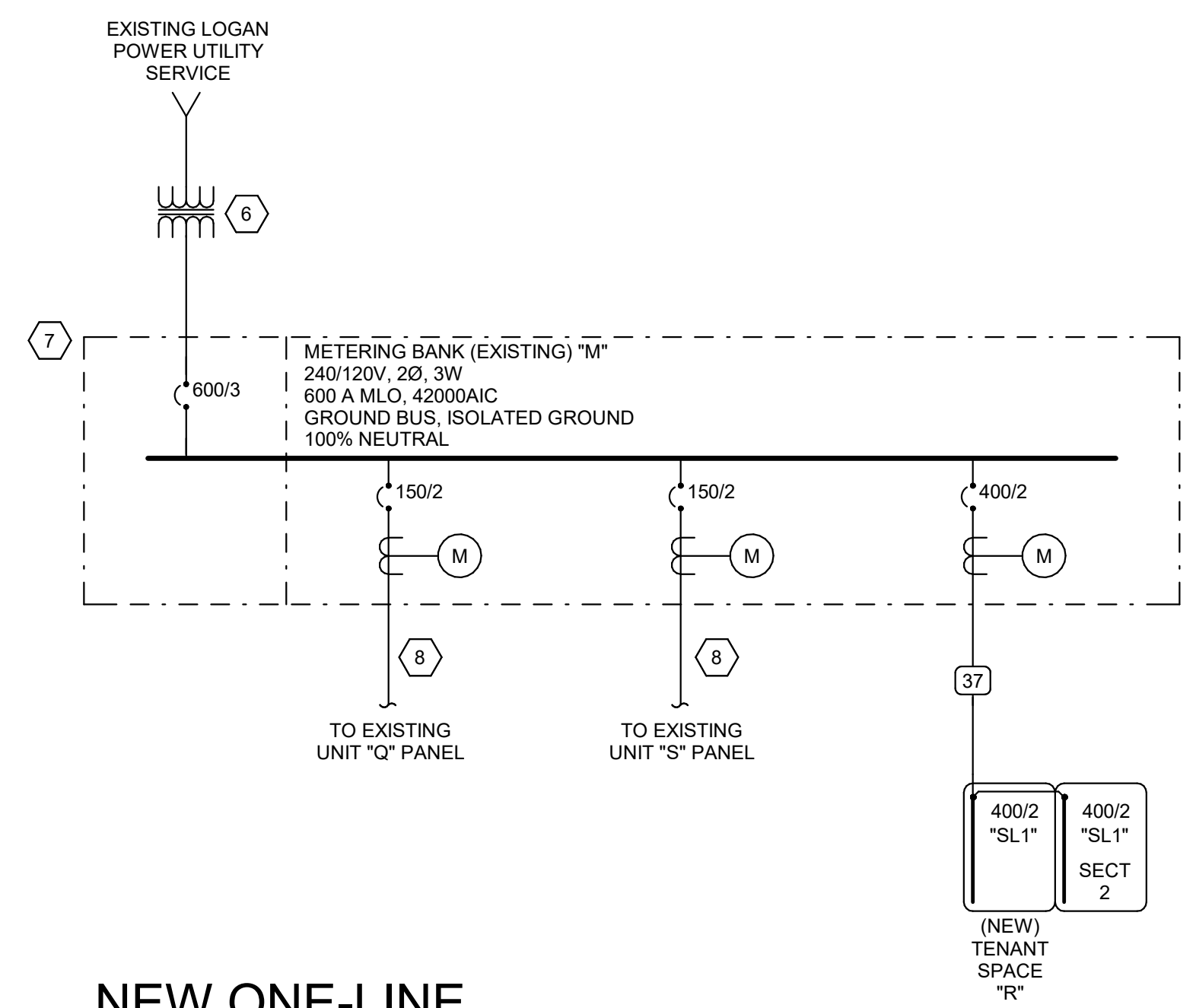
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Project Status: 100% Construction Documents

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DEMOLITION ONE-LINE



NEW ONE-LINE

SL	BUS	FAULT CURRENT
SL1		22000
ZMDPA		0

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

EQUIPMENT ID SCHEME	FIRST DIGIT - BUILDING LEVEL (0, 1, 2, ETC) SECOND DIGIT - PANEL TYPE M - MECHANICAL H - (277/480) L - (120/208) E - EMERGENCY S - STANDBY Q - EQUIPMENT U - UPS K - KITCHEN (120/208) THIRD DIGIT - BUILDING AREA (A, B, C, ETC) FOURTH DIGIT - SEQUENCE # (1,2,3,...)
LABEL FORMAT	[NAME] [SYSTEM] [VOLTAGE] [FED FROM] [SOURCE(S)]
LABEL EXAMPLE	PANEL "4L1" STANDBY POWER 120/208V FED FROM BUS-A / XFMR 4TA
BUSWAY	LABEL BUSWAY EVERY 6' WHERE EXPOSED TO VIEW AND EVERY 15' WHERE NOT EXPOSED TO VIEW
OTHER	

SYSTEM	EQUIPMENT	NAMEPLATE COLOR	
		TEXT	BACKGROUND
NORMAL POWER	ALL GEAR NOT INCLUDED BELOW	WHITE	BLACK
STANDBY POWER	MDPS1 AND ALL DOWNSTREAM GEAR, WHITE EXCEPT UPS GEAR AS NOTED	WHITE	ORANGE
EMERGENCY POWER	GDP1, GDP2, ATS-E AND ALL DOWNSTREAM GEAR	WHITE	RED
LEGALLY-REQUIRED STANDBY POWER	ATS-S AND ALL DOWNSTREAM GEAR	RED	WHITE
UPS "A" POWER	UPS-A AND ALL DOWNSTREAM GEAR	WHITE	BLUE
UPS "B" POWER	UPS-B AND ALL DOWNSTREAM GEAR	BLACK	YELLOW

BRANCH CIRCUIT CONDUCTOR AND CONDUIT SIZING TABLE

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

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

COPPER CONDUCTOR AND CONDUIT SCHEDULE

SYM	AMP	HH AMPS	CONDUIT SIZE	QTY	CONDUCTOR (NOTE 1)		IG/HH	SE	NOTES
					SIZE	G			
(1)	20	-	.75	2	12	12	12	8	2
(2)	20	-	.75	3	12	12	12	8	2,3
(3)	20	24	.75	4	12	12	12	8	2
(4)	30	-	.75	2	10	10	10	8	2
(5)	30	-	.75	3	10	10	10	8	2
(6)	30	32	.75	4	10	10	10	8	2
(7)	40	-	1	2	8	10	8	6	2
(8)	40	-	1	3	8	10	8	6	2
(9)	40	44	1	4	8	10	8	6	2
(10)	55	-	1	2	6	10	8	4	2
(11)	55	-	1	3	6	10	8	4	2
(12)	55	60	1.25	4	6	10	8	4	2
(13)	70	-	1	2	4	8	4	2	2
(14)	70	-	1.25	3	4	8	4	2	2
(15)	70	76	1.25	4	4	8	4	2	2
(16)	85	-	1.25	2	3	8	3	2	2
(17)	85	-	1.25	3	3	8	3	2	2
(18)	85	92	1.25	4	3	8	3	2	2
(19)	95	-	1.25	3	2	8	2	2	2
(20)	95	104	1.50	4	2	8	2	2	2
(21)	130	-	1.50	3	1	6	2	2	2
(22)	130	116	1.50	4	1	6	2	2	2
(23)	150	-	2	3	1/0	6	2	1/0	2
(24)	150	136	2	4	1/0	6	2	1/0	2
(25)	175	-	2	3	2/0	6	2	2/0	2
(26)	175	156	2	4	2/0	6	2	2/0	2
(27)	200	-	2	3	3/0	6	2	2/0	2
(28)	200	180	2.50	4	3/0	6	2	2/0	2
(29)	230	-	2.50	3	4/0	4	2	2/0	2
(30)	230	208	2.50	4	4/0	4	2	2/0	2
(31)	255	-	2.50	3	250	4	1	2/0	2
(32)	255	232	2.50	4	250	4	1	2/0	2
(33)	310	-	3	3	350	3	1/0	3/0	2
(34)	310	280	3	4	350	3	1/0	3/0	2
(35)	380	-	3.50	3	500	3	3/0	3/0	2
(36)	380	344	4	4	500	3	3/0	3/0	2
(37)	400	-	2 EA 2	3	3/0	3	3/0	3/0	2
(38)	400	360	2 EA 2.50	4	3/0	3	3/0	3/0	2
(39)	510	-	2 EA 2.50	3	250	1	4/0	3/0	2
(40)	510	484	2 EA 3	4	250	1	4/0	3/0	2
(41)	620	-	2 EA 3	3	350	1/0	4/0	3/0	2,4
(42)	620	560	2 EA 3	4	350	1/0	4/0	3/0	2,4
(43)	760	-	2 EA 3.50	3	500	1/0	4/0	3/0	2,4
(44)	760	688	2 EA 4	4	500	1/0	4/0	3/0	2,4
(45)	855	-	3 EA 3	3	300	2/0	4/0	3/0	2,4
(46)	855	768	3 EA 3	4	300	2/0	4/0	3/0	2,4
(47)	1000	-	3 EA 3.50	3	400	2/0	4/0	3/0	4
(48)	1000	912	3 EA 3.50	4	400	2/0	4/0	3/0	4
(49)	1140	-	3 EA 4	3	500	3/0	4/0	3/0	4
(50)	1140	1032	3 EA 4	4	500	3/0	4/0	3/0	4
(51)	1240	-	4 EA 3	3	350	3/0	4/0	3/0	4
(52)	1240	1120	4 EA 3	4	350	3/0	4/0	3/0	4
(53)	1875	1520	5 EA 4	4	400	4/0	4/0	4/0	4
(54)	2010	1824	6 EA 4	4	400	250	250	250	4
(55)	2860	2408	7 EA 4	4	500	350	350	350	4
(56)	3040	2752	8 EA 4	4	500	500	500	500	4
(57)	4180	3784	11 EA 4	4	500	500	500	500	4
(58)	-	-	5 EA 4	-	-	-	-	-	6
(59)	-	-	5	-	-	-	-	-	6
(60)	-	-	10 EA 4	-	-	-	-	-	6

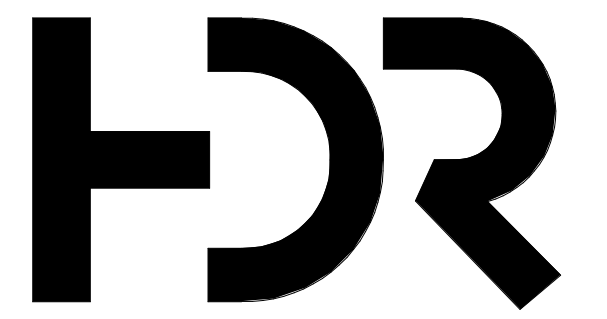
- CONDUIT AND CONDUCTOR SCHEDULE NOTES
- CONDUCTORS SHOWN ARE SHOWN FOR EACH CONDUIT WITH MODIFICATIONS AS NOTED IN NOTE 5. ALL CONDUCTORS SHOWN ARE THWN UNLESS OTHERWISE NOTED.
  - PROVIDE EQUIPMENT GROUND CONDUCTORS PER TABLE 250-122 WHEN CIRCUIT BREAKERS ARE SIZED GREATER THAN AMPERE RATINGS SHOWN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

GENERAL SHEET NOTES

- PROVIDE NEMA 3R ENCLOSURES FOR EQUIPMENT LOCATED OUTDOORS. REFER TO PLANS FOR EQUIPMENT LOCATIONS.
- REFER TO PLANS FOR CONSTRAINTS ON PHYSICAL DIMENSIONS AND CLEARANCE REQUIREMENTS OF EQUIPMENT. PROVIDE EQUIPMENT DIMENSIONS THAT FALL WITHIN THE CONSTRAINTS OF EACH SPECIFIC LOCATION.
- ALL EQUIPMENT SHALL BE CONSTRUCTED AND BRACED FOR THE SEISMIC CONDITIONS OF THE PROJECT. REFER TO ELECTRICAL SPECIFICATIONS FOR REQUIREMENTS.
- PROVIDE PERFORMANCE TESTING FOR GROUND-FAULT PROTECTION SYSTEMS ON SITE WITH A WRITTEN RECORD OF THIS TEST SUBMITTED TO THE AUTHORITY HAVING JURISDICTION PER NEC 230.96(C).

SHEET KEYNOTES

- EXISTING UTILITY TRANSFORMER TO BE REMOVED AND REPLACED BY LOGAN POWER. COORDINATE REMOVAL AND REINSTALLATION WITH LOGAN POWER.
- REMOVE EXISTING UTILITY SECONDARY FEEDERS IN COORDINATION WITH LOGAN POWER.
- EXISTING RECESSED METERING BANK TO BE REMOVED.
- REMOVE EXISTING CONDUIT AND CONDUCTORS TO EXISTING TENANT PANELBOARD. MAINTAIN EXISTING PANELBOARD DURING DEMOLITION.
- REMOVE EXISTING CONDUIT AND CONDUCTORS TO EXISTING TENANT PANELBOARD. REMOVE EXISTING TENANT PANELBOARD.
- COORDINATE INSTALLATION OF NEW 240/120 VOLT SECONDARY UTILITY TRANSFORMER WITH LOGAN POWER.
- PROVIDE NEW FREESTANDING METER BANK WITH MAIN BREAKER AND NEMA 3R ENCLOSURE.
- PROVIDE NEW FEEDER TO EXISTING TENANT PANELBOARD MAINTAINED DURING DEMOLITION AND RECONNECT.



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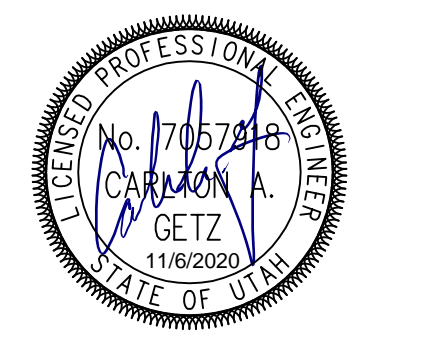


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Project Designer	ERIC MEUB
Project Architect	FRANK PENROSE
Landscape Architect	ARCSITO
Civil Engineer	GREAT BASIN
Structural Engineer	REAVELEY
Mechanical Engineer	VAN BOERUM & FRANK
Electrical Engineer	SPECTRUM
Plumbing Engineer	VAN BOERUM & FRANK
Interior Designer	RUBY THORP
Equipment Planner	ROBERT GRIESCHE
Wayfinding	

Sheet Reviewer: Author

MARK	DATE	DESCRIPTION

Project Number: 10173823  
Original Issue: 11/6/20

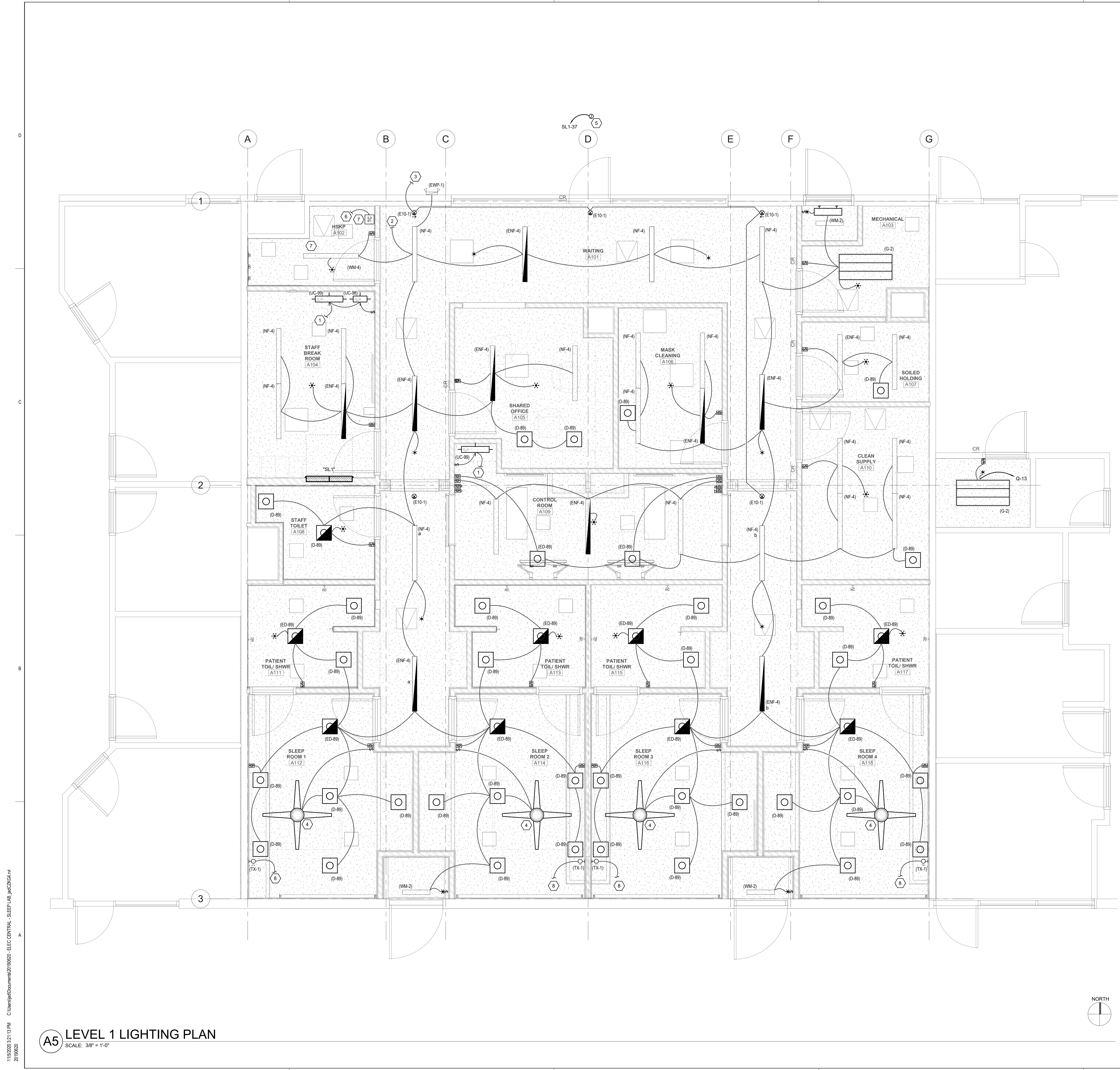


Sheet Name  
**ONE-LINE DIAGRAM -  
NORMAL**

Sheet Number  
**EPC601**

Project Status  
100% Construction Documents



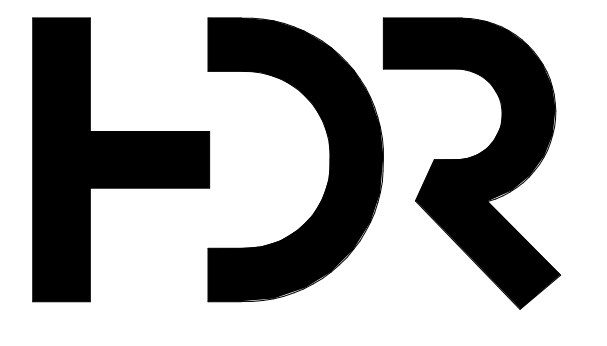


### GENERAL SHEET NOTES

1. PROVIDE LABELS ON ALL NEW DEVICES PER PROJECT SPECIFICATIONS CONFORMING WITH DIVISION 26 SPECIFICATIONS FOR IDENTIFICATION OF ELECTRICAL EQUIPMENT AND INTERMOUNTAIN'S DIVISION 27 SPECIFICATIONS PRIOR TO SUBSTANTIAL COMPLETION.
2. BASIC OCCUPANCY SENSOR APPLICATION SEQUENCE OF OPERATION: LIGHT SWITCH TURNS LIGHTS ON AND OFF. LIGHTS AUTOMATICALLY TURN OFF AFTER UNOCCUPIED PERIOD AND AUTOMATICALLY TURN ON UPON DETECTION OF MOTION.
3. BASIC VACANCY SENSOR APPLICATION SEQUENCE OF OPERATION: LOW VOLTAGE LIGHT SWITCH TURNS LIGHTS ON AND OFF. LIGHTS AUTOMATICALLY TURN OFF AFTER UNOCCUPIED PERIOD AND DO NOT AUTOMATICALLY TURN ON UPON DETECTION OF MOTION.

### SHEET KEYNOTES

1. EXTEND AND CONNECT UNDERCABINET LIGHTING TO RECEPTACLE CIRCUITING SERVING SPACE.
2. EXTEND AND CONNECT TO LIGHTING CIRCUIT SERVING ADJACENT SPACE.
3. EXTEND AND CONNECT TO EXIT SIGN LIGHTING CIRCUIT SERVING ADJACENT SPACE.
4. PRICE CEILING FAN AS AN ADD ALTERNATE.
5. PROVIDE JUNCTION BOX FOR POWER CONNECTION TO ILLUMINATED SIGNAGE. COORDINATE EXACT LOCATION WITH OWNER IN FIELD. CONNECT BRANCH CIRCUIT THROUGH TIME CLOCK FOR AUTOMATIC CONTROL.
6. EXTEND AND CONNECT TIME CLOCK TO NEAREST RECEPTACLE CIRCUITING SERVING SPACE.
7. PROVIDE DIGITAL PROGRAMMABLE ASTRONOMIC TIME CLOCK (TORK DWZ2008 OR EQUIVALENT) FOR AUTOMATIC LIGHTING CONTROL.
8. CONNECT WALL MOUNTED LIGHTING FIXTURE TO RECEPTACLE CIRCUIT SERVING SPACE.



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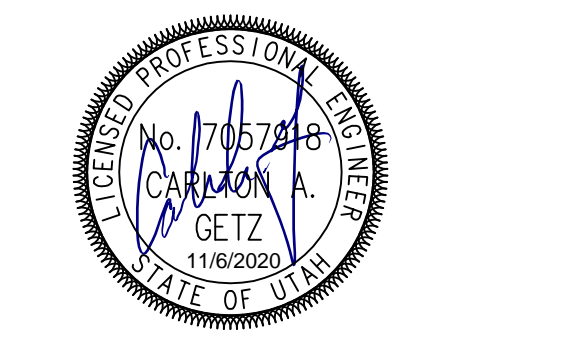


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Wayfinding	

Sheet Reviewer	Author
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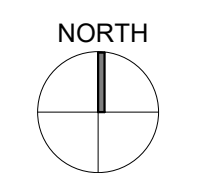


Sheet Name  
**LEVEL 1 LIGHTING PLAN**

Sheet Number  
**ELC101**

Project Status  
100% Construction Documents

**A5 LEVEL 1 LIGHTING PLAN**  
SCALE: 3/8" = 1'-0"

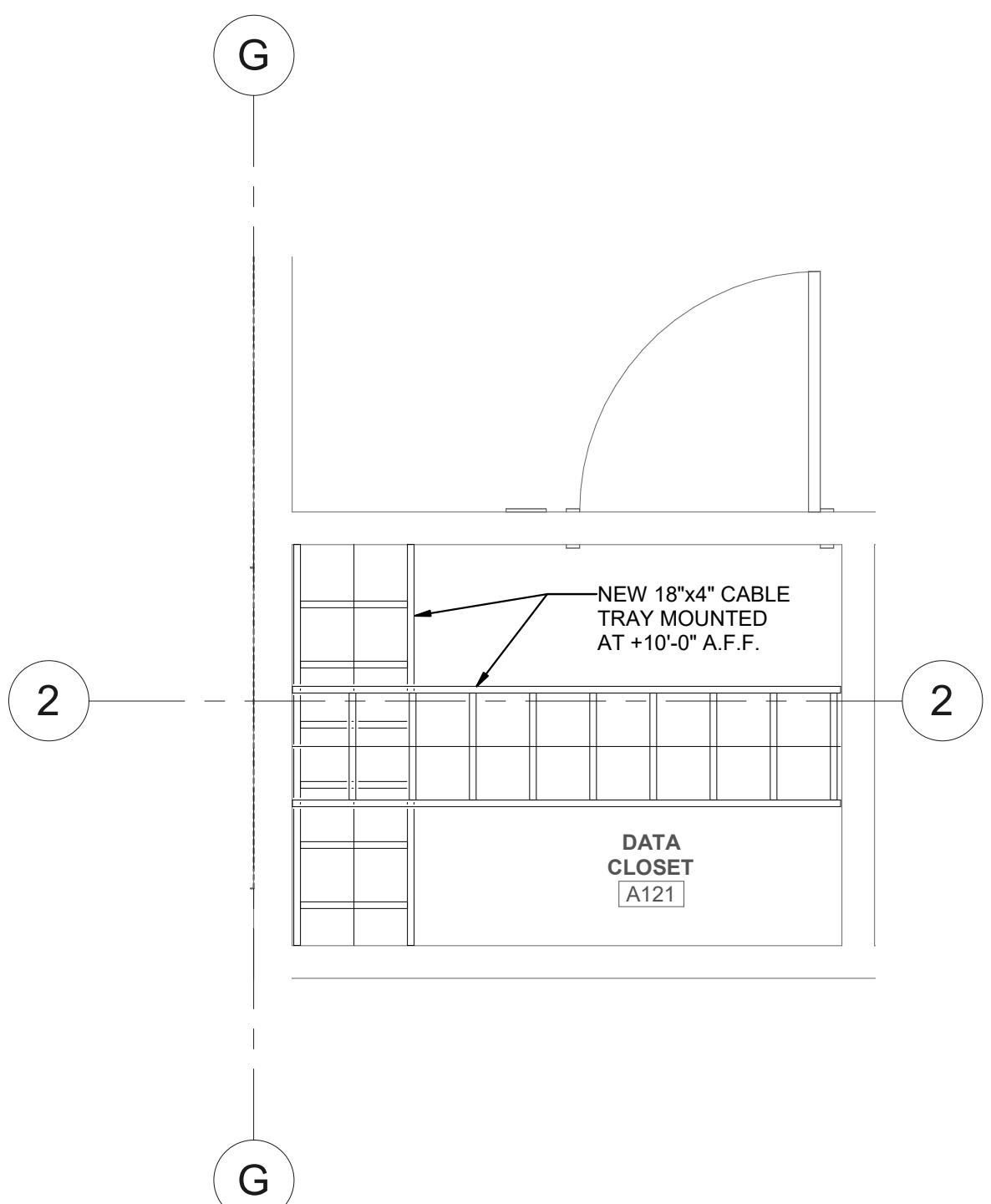


COLOR	TYPE
BLACK	TV COAX
BLUE	ANALOG PHONE
BLUE	DATA
BLUE	IP SECURITY CAMERAS
GREY	SECURITY CARD READERS
ORANGE	CLINICAL ENGINEERING / NURSE CALL
RED	FIRE SYSTEMS
RED	FORESSEER
WHITE	PUBLIC ADDRESS
YELLOW	WIRELESS
GREEN	VENDOR NETWORK

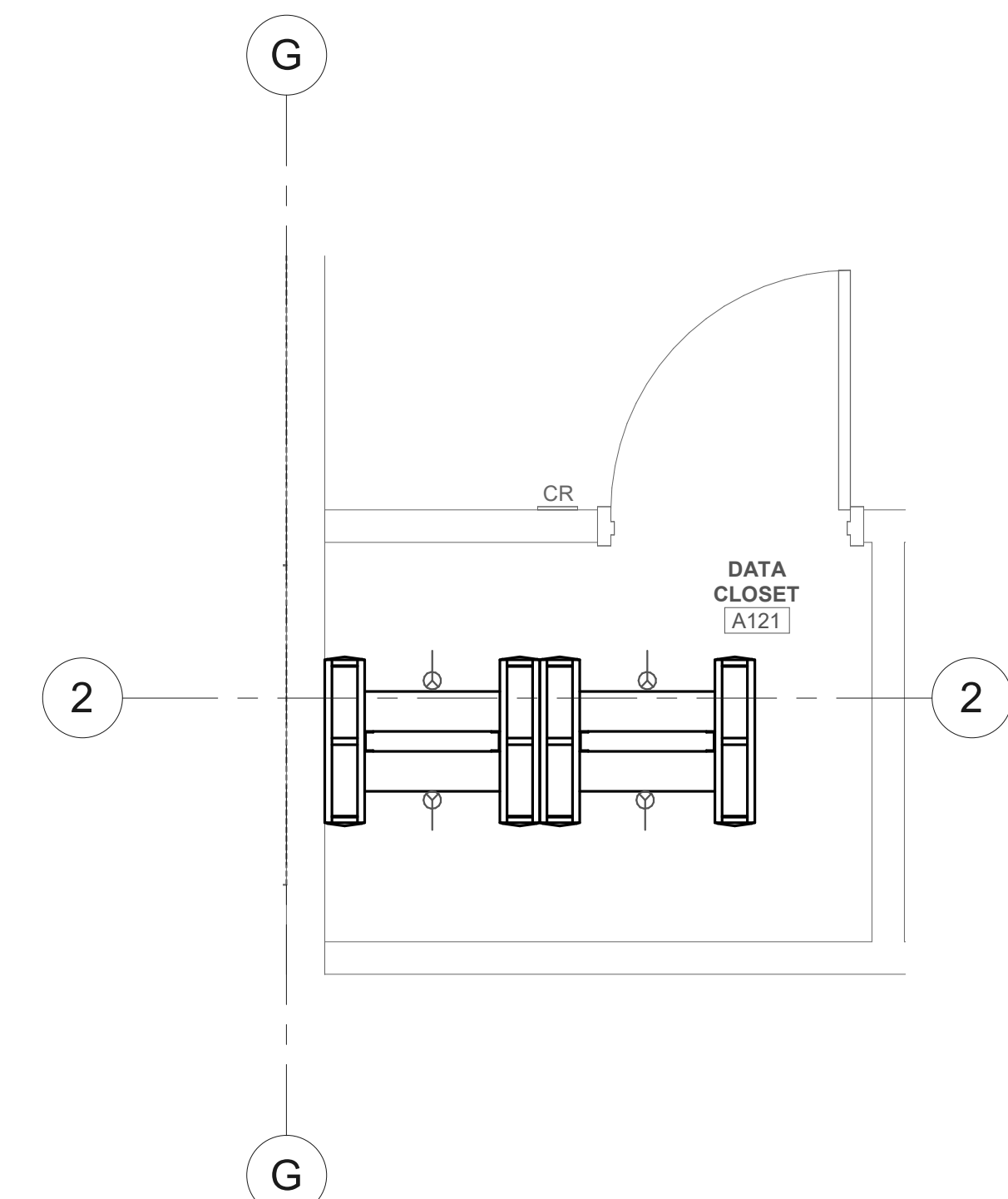
SYMBOL	ITEM DESCRIPTION	ACCEPTABLE TYPES
	STATION CABLE, DATA - CATEGORY 6A FUTP RISER, BLUE, DATA	SIEMON 9A6R4-AS-06-R1A
	STATION CABLE, DATA - CATEGORY 6A FUTP PLENUM, YELLOW, WIRELESS DATA	SIEMON 9A6P4-AS-05-R1A
	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON 10GMX-PPS04-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	DATA OUTLET, FURNITURE FACEPLATE, BLACK	SIEMON MX-UMA-01
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	BLANK MODULE, BLACK	SIEMON MX-BL-01
	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON 10GMX-PPS04-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	BLANK INSERT, WHITE	SIEMON MX-BL-02
	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 2 POSITION	SIEMON MX-SMZ2-02
	CATEGORY 6A JACK - DATA, YELLOW	SIEMON Z6A-S05
	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 1 POSITION	SIEMON MX-SM1-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
[SPP1]	48 PORT, 1RU ANGLE PATCH PANEL, WITH OUTLETS	SIEMON Z6AS-PA-48
[HWM]	HORIZONTAL WIRE MANAGERS, 4RU	PANDUIT NCM3HAEF4

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

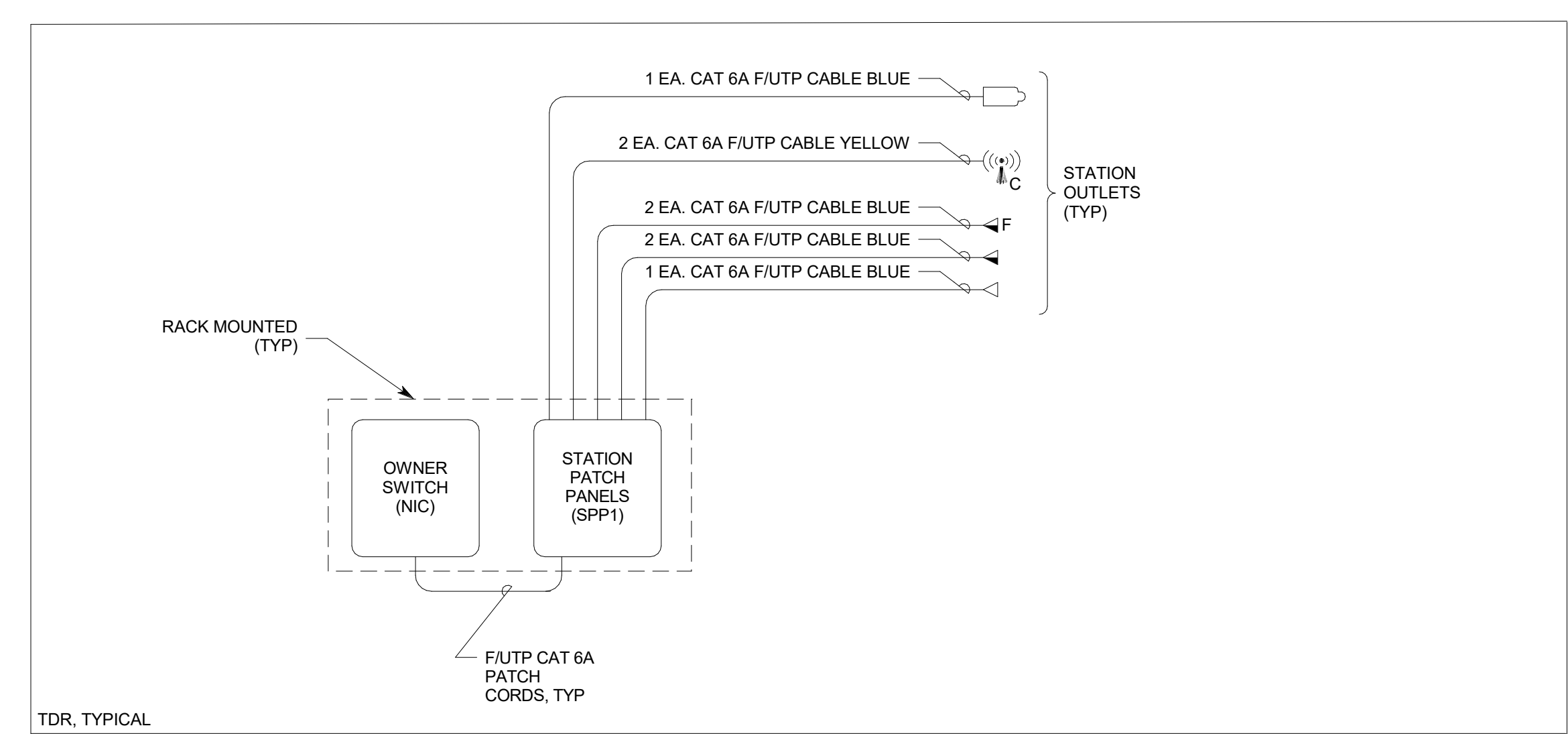
- ### GENERAL PROJECT NOTES
- UNLESS OTHERWISE NOTED, INSTALL ALL CABLE INSIDE RACEWAY SYSTEMS. WHERE RACEWAY SYSTEMS HAVE NOT BEEN PROVIDED OR SPECIFIED, INSTALL CABLE THROUGH THE SPECIFIED "CADDY" CLIPS AT THE MINIMUM INTERVALS IDENTIFIED IN THE SPECIFICATIONS. SUPPORT "CADDY" CLIPS DIRECTLY FROM THE BUILDING STRUCTURE, NOT FROM OTHER BUILDING SYSTEM SUPPORT WIRES OR CABLE.
  - 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.
  - LABEL ALL CABLE INSTALLED UNDER THIS CONTRACT REGARDLESS OF LENGTH.
  - 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.
  - IF OUTLET IS TERMINATED IN CEILING SPACE, LABEL THE 1-BAR GRID WITH THE OUTLET NUMBER FOR EASY LOCATION AND IDENTIFICATION.
  - GROUND ALL EQUIPMENT RACKS INSTALLED UNDER THIS CONTRACT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS.
  - FOR EVERY CABLE PULL SPECIFIED, COIL 15' OF EXCESS CABLE AT THE STATION END FOR FUTURE USE. NEATLY COIL 15' ABOVE THE CEILING OR BELOW FLOOR WHERE APPLICABLE.
  - PROVIDE THE QUANTITY OF PATCH PANELS REQUIRED +20% FOR THE TOTAL DATA OUTLETS SHOWN ON FLOOR PLANS FOR THE PARTICULAR LEVEL.
  - RACK SPACE ALLOCATION SHOULD BE FOLLOWED PER DRAWINGS. IF YOU HAVE A SYSTEM THAT HAS NOT RACK ALLOCATION PLEASE CALL BOE SAUSEDO AT 801-707-3805.
  - COORDINATE WITH ALL SUBS TO ENSURE THAT ALL CABLES ARE PROTECTED FROM ANY DIRECT PAINT, OR INCIDENTAL OVERSPRAY.



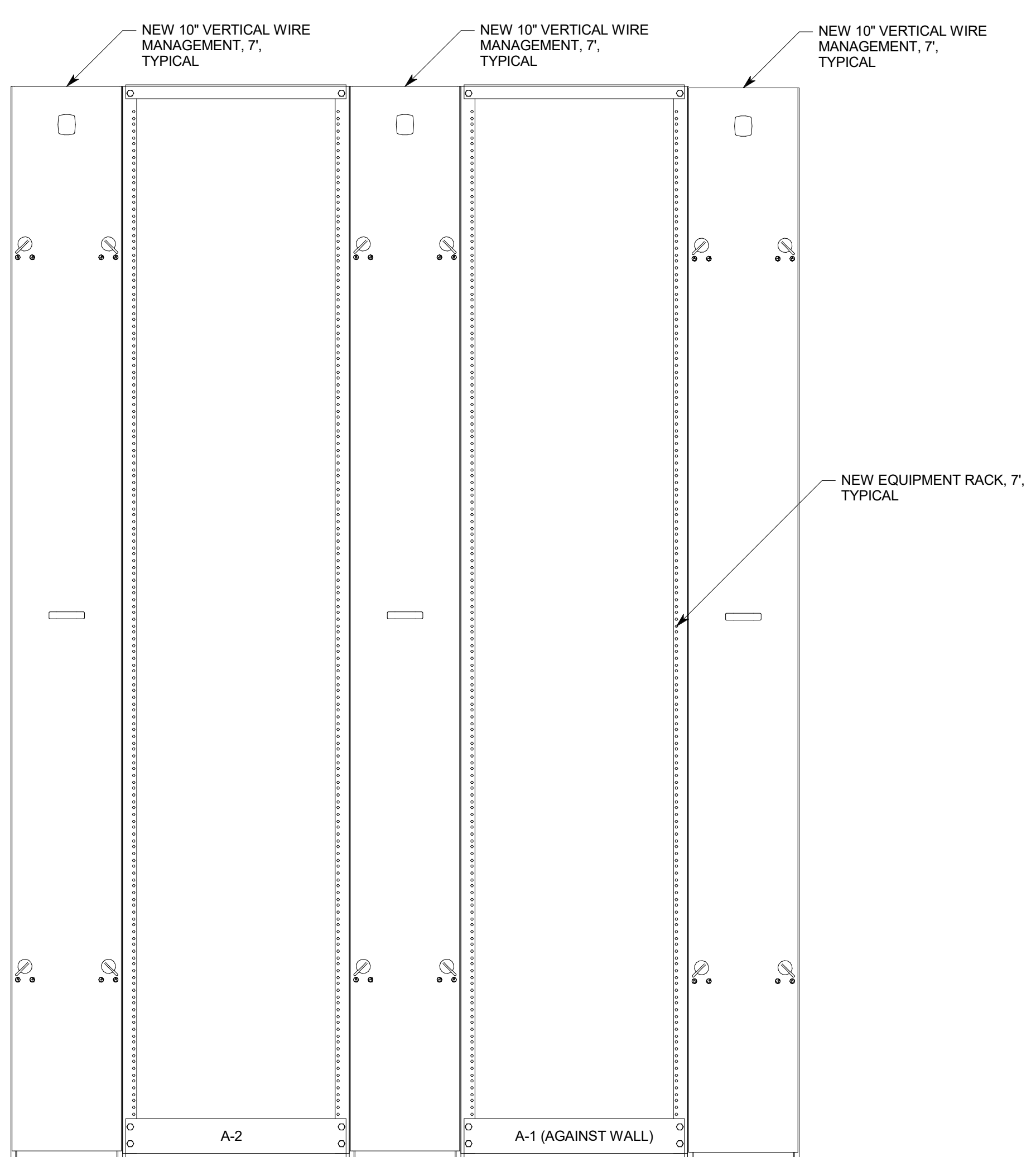
**A1 ENLARGED DATA CLOSET A121 LADDER RACK PLAN**  
SCALE: 1/2" = 1'-0"



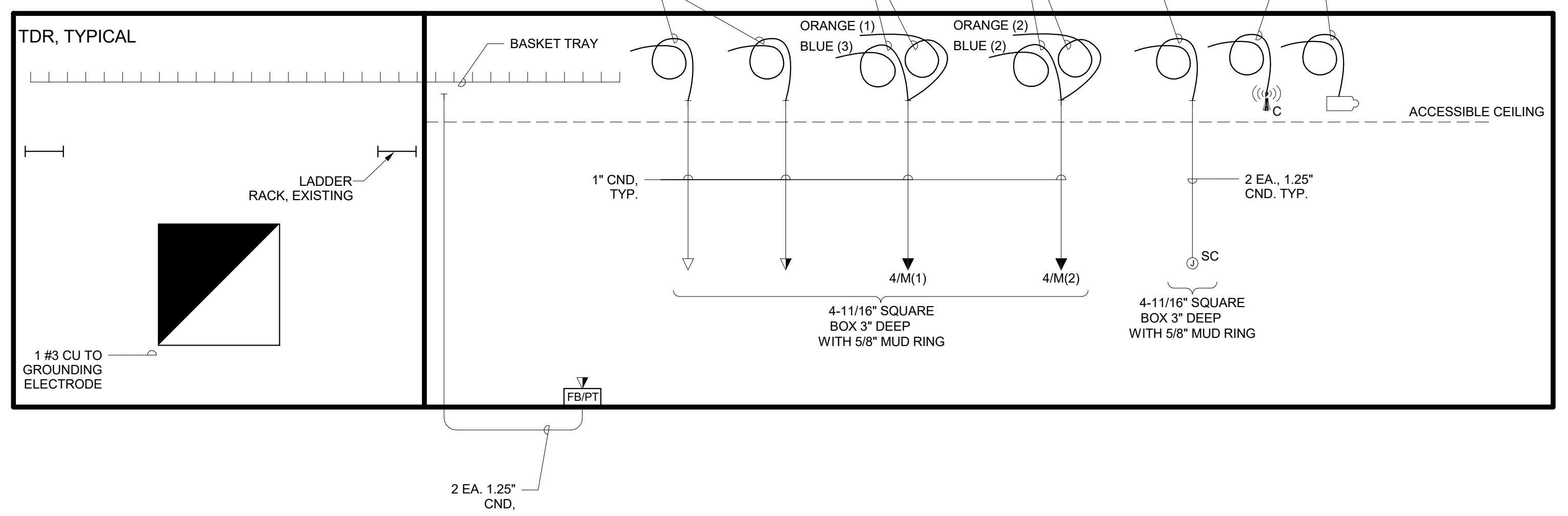
**A2 ENLARGED DATA CLOSET A121 EQUIPMENT RACK PLAN**  
SCALE: 1/2" = 1'-0"



**A3 TELECOM CABLING RISER DIAGRAM**  
NO SCALE



**A1 TELECOM RACK ELEVATION DETAIL, DATA CLOSET A121**  
NO SCALE



**A3 TELECOM CABLING CONDUIT RISER DIAGRAM**  
NO SCALE

### ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

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

### DEFINITIONS

NOTE: ALL DEFINITIONS MAY NOT BE USED.

INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS. OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.

DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", "AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.

APPROVE: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.

FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."

INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."

PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."

INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.

ELECTRONIC SYSTEMS: THE TERM "ELECTRONIC SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLE SYSTEMS, ETC...

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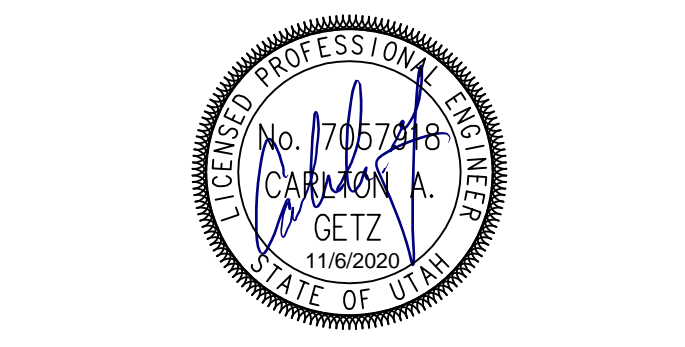


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<b>Project Architect</b>	FRANK PENROSE
<b>Landscape Architect</b>	ARCOSTIO
<b>Civil Engineer</b>	GREAT BASIN
<b>Structural Engineer</b>	REAVLEY
<b>Mechanical Engineer</b>	VAN BOERUM & FRANK
<b>Electrical Engineer</b>	SPECTRUM
<b>Plumbing Engineer</b>	VAN BOERUM & FRANK
<b>Interior Designer</b>	RUBY THORP
<b>Equipment Planner</b>	ROBERT GRESCHKE
<b>Wayfinding</b>	

**Sheet Reviewer** | SUT

MARK	DATE	DESCRIPTION

**Project Number** | 10173823  
**Original Issue** | 07/17/18



**Sheet Name**  
TELECOM SCHEDULES, NOTES, AND RISER DIAGRAMS

**Sheet Number**  
**ETC001**

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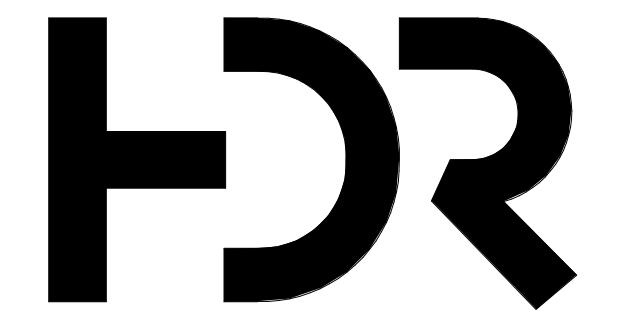






GENERAL SHEET NOTES

1 PROVIDE LABELS ON ALL NEW DEVICES PER PROJECT SPECIFICATIONS CONFORMING WITH DIVISION 26 SPECIFICATIONS FOR IDENTIFICATION OF ELECTRICAL EQUIPMENT AND INTERMOUNTAIN'S DIVISION 27 SPECIFICATIONS PRIOR TO SUBSTANTIAL COMPLETION.



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SHEET KEYNOTES

- 1 PROVIDE MULLION MOUNTED CARD READER.
- 2 MOUNT SECURITY CAMERA ON UNDERSIDE OF EXTERIOR WALKWAY CANOPY.

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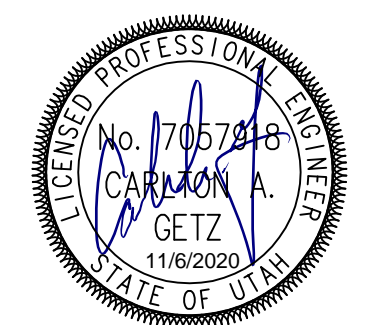


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Project Designer: ERIC MEUB  
Project Architect: FRANK PENROSE  
Landscape Architect: ARCSITO  
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Structural Engineer: REAVELEY  
Mechanical Engineer: VAN BOERUM & FRANK  
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Plumbing Engineer: VAN BOERUM & FRANK  
Interior Designer: RUBY THORP  
Equipment Planner: ROBERT GRIESCHE  
Wayfinding:

Sheet Reviewer: Author

MARK	DATE	DESCRIPTION

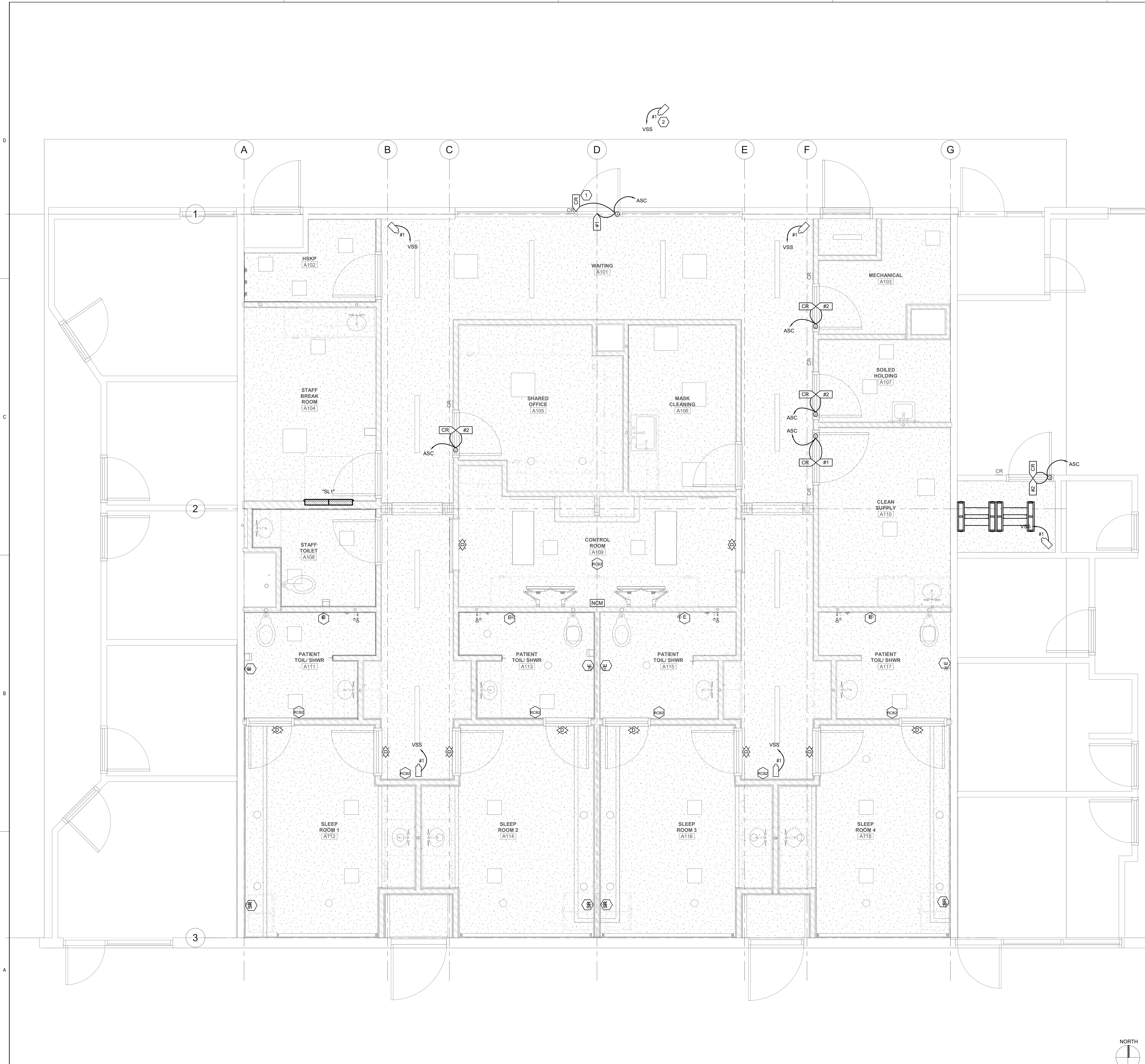
Project Number: 10173823  
Original Issue: 11/6/20



Sheet Name  
**LEVEL 1 AUXILIARY PLAN**

Sheet Number  
**EYC101**

Project Status  
100% Construction Documents

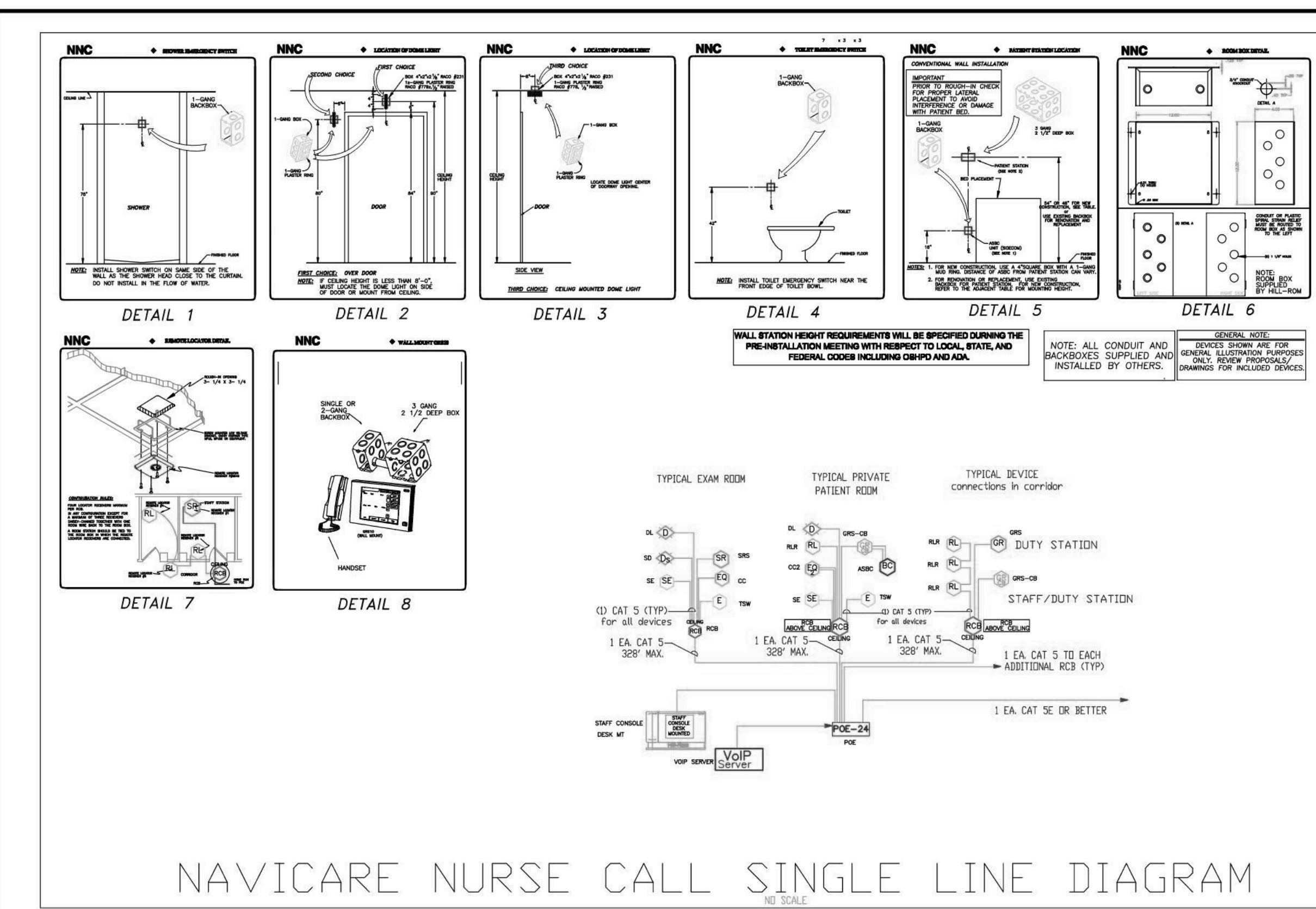


**A5 LEVEL 1 AUXILIARY PLAN**  
SCALE: 3/8" = 1'-0"

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REQUIREMENTS FOR POE  
-120-240 VAC 15 AMP MAX EMERGENCY POWER  
-1 ET CONNECTION BETWEEN THE POES

POE CONNECTIONS  
For connections between POE switches greater than the requirements for Cat5e, the switches accept SFP fiber transceivers (also known as mini-GBIC). See the NNC Install Manual for further information.

REQUIREMENTS FOR THE UPC

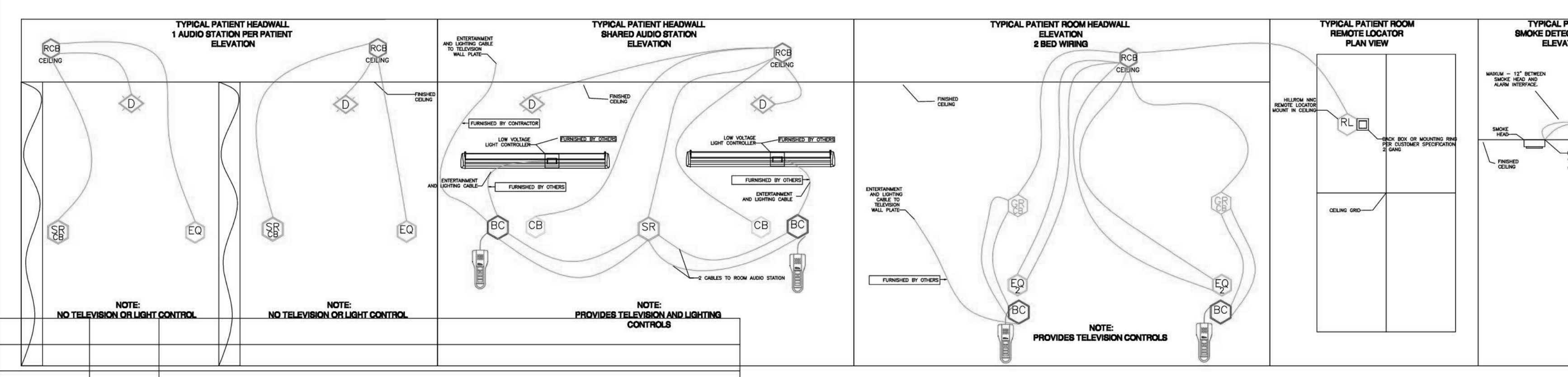
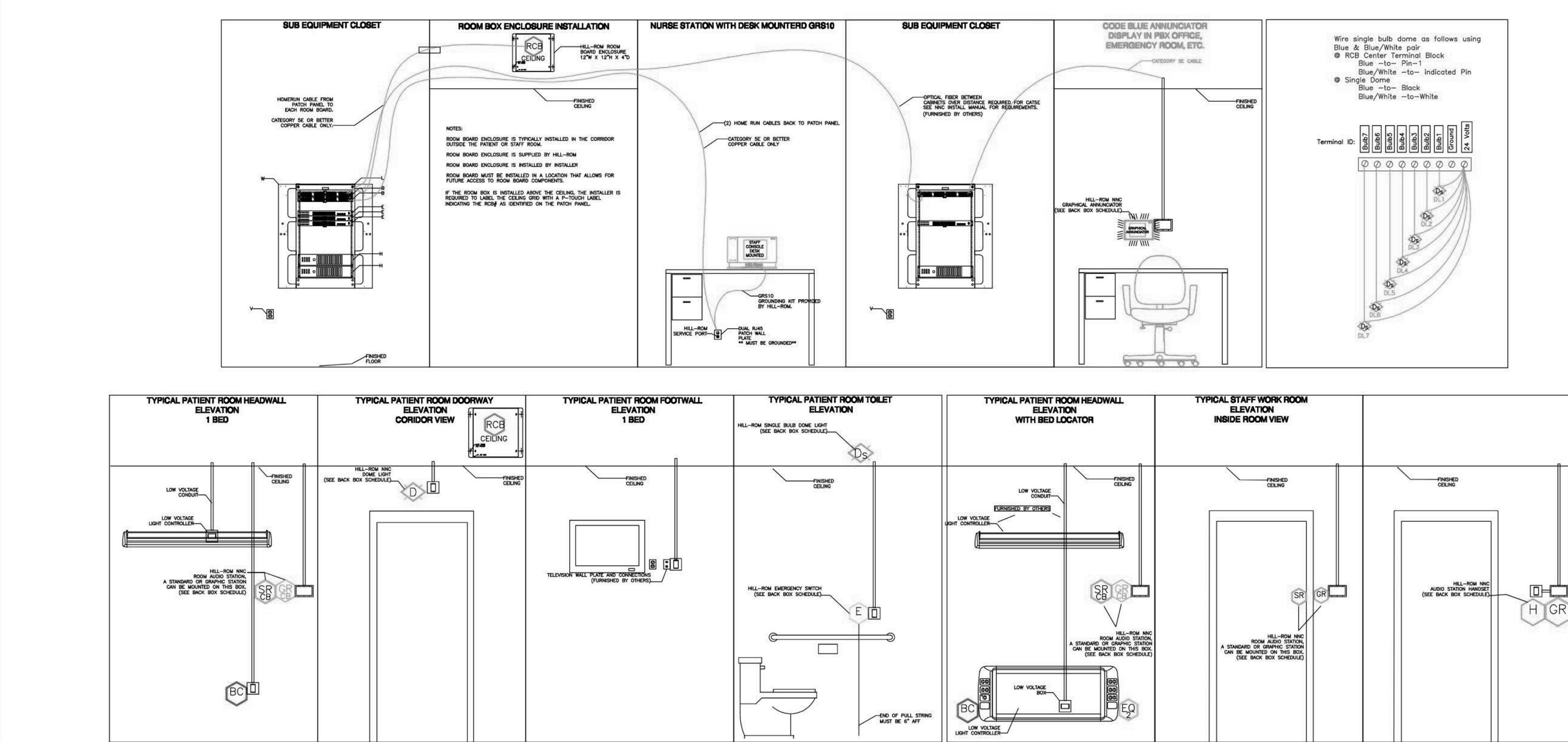
REQUIREMENTS FOR THE SERVERS  
-115 VAC 15 AMP MAX EMERGENCY POWER  
-MAX. (CROSS) 150AMP/66V EMERGENCY POWER  
-1 CAT5 WIRES BETWEEN POE AND THE SERVER

COMMUNICATION NOTES:  
1. All cabling must be plenum rated category 5e or better, 24AWG, 4 twisted pair communication cable.  
2. All cabling to be field terminated by installing contractor.  
3. Location of rough-in for all ASBC must avoid interference or damage from the patient bed.  
4. All device locations shown are for illustration purposes only, actual locations to be field determined.  
5. Hill-Rom requires AMP High Performance (Category 5e or better) RJ45 connectors for all nurse call wiring. Cable must be terminated with approved AMP termination tool and compatible die-set for the RJ45 connector selected. Since Cat5e and Cat6 dies are not cross-compatible, it is critical that the correct die be used for the chosen connector. Refer to the TE Connectivity website at www.te.com for current part numbers and compatibility lists.  
6. All termination tools are to be supplied by installing contractor.  
7. All glass walls, glass doors, and interior windows must be indicated.  
8. Any special requirements/interfaces not explicitly defined in proposal are not included.  
9. Unless otherwise noted, all non-standard devices are not UL approved.

Device Symbol	Device Name	Part Number	Mounting Options	Back Box Type (UL 514-A LISTED)	Typical Mounting Height (verify all locations with owner)	Cable requirements
GR	GRAPHICAL STAFF CONSOLE, DESK MT. (GRS10)	P2500NMC1A00	Desk	1-Gang OW Box - Must be Grounded.	18" AFF (Under desk)	2 cables to PoE Switch
AB	AUDIO STATION BED CONNECTOR (ASBC) (standard)	P2500NMC1A00 (REV A) P2500NMC1B00 (REV B)	Headwall	4" Sq Box 2 1/2" Deep w/1-Gang Mud Ring or 1-Gang 3 1/2" Deep Metal Box	18" AFF	2 Cables to the Patient Station
DL	DOOR LIGHT	P2500NMC3A00	Wall/Ceiling	4" Sq Box 2 1/2" Deep w/1-Gang Mud Ring	Center Above patient door 90" AFF	1 cable to RCB
ZL	ZONE LIGHT	P2500NMC3A00	Wall/Ceiling	4" Sq Box 2 1/2" Deep w/1-Gang Mud Ring	Center Above patient door 90" AFF	1 cable to RCB
SL	ZONE LIGHT, SINGLE BULB	P2500N1B500	Wall/Ceiling	4" Sq Box 2 1/2" Deep w/1-Gang Mud Ring	Center Above patient door 90" AFF	1 cable to RCB
KS	SWITCH, KEY SWITCH, ENABLE/DISABLE	P2514A01	Wall	4" Sq Box 2 1/2" Deep w/1-Gang Mud Ring	Variable	1 cable to RCB
H	HANDSET/CRADLE	P2516A01	Wall	4" Sq Box 2 1/2" Deep w/1-Gang Mud Ring	Height of room station	1 cable to Room Station
EQ	EQUIPMENT RECEPTACLE	P2516A07	Wall	4" Sq Box 2 1/2" Deep w/1-Gang Mud Ring	Variable on patient headwall	1 cable to RCB
EQ	EQUIPMENT RECEPTACLE TWO JACK	P2516A07	Wall	4" Sq Box 2 1/2" Deep w/1-Gang Mud Ring	Variable on patient headwall	2 cables to RCB
EQ	EQUIPMENT RECEPTACLE SIX JACK	P2516B06	Wall	3-gang Metal Box 2 1/8" Deep	Variable on patient headwall	1 cable to RCB
SW	SWITCH, CODE BLUE PUSH BUTTON SWITCH	P2520A07	Wall	4" Sq Box 2 1/2" Deep w/1-Gang Mud Ring	48" AFF	1 cable to RCB
SW	SWITCH, STAFF EMERGENCY PUSH BUTTON SWITCH	P2520A06	Wall	4" Sq Box 2 1/2" Deep w/1-Gang Mud Ring	48" AFF	1 cable to RCB
SW	SWITCH, CODE PINK PUSH BUTTON SWITCH	P2520A09	Wall	4" Sq Box 2 1/2" Deep w/1-Gang Mud Ring	48" AFF	1 cable to RCB
SW	SWITCH, DOCTORS ORDERS, WITH CANCEL	P2520A10	Wall	4" Sq Box 2 1/2" Deep w/1-Gang Mud Ring	48" AFF	1 cable to RCB
SW	SWITCH, DOCTORS ORDERS STAT, WITH CANCEL	P2520A11	Wall	4" Sq Box 2 1/2" Deep w/1-Gang Mud Ring	48" AFF	1 cable to RCB
SW	PULL SWITCH, CW, W/CANCEL	P2520A15	Wall	4" Sq Box 2 1/2" Deep w/1-Gang Mud Ring	48" AFF	1 cable to RCB
SW	PB SWITCH, CODE GREEN W/CANCEL	P2520A16	Wall	4" Sq Box 2 1/2" Deep w/1-Gang Mud Ring	48" AFF	1 cable to RCB
SW	SWITCH, BATH SWITCH, W/CANCEL, SUPERVISED	P2520B01	Wall	4" Sq Box 2 1/2" Deep w/1-Gang Mud Ring	42" AFF	1 cable to RCB
SW	SWITCH, BATH SWITCH, W/CANCEL, SUPERVISED	P2520B02	Wall	4" Sq Box 2 1/2" Deep w/1-Gang Mud Ring	78" AFF	1 cable to RCB
SW	SWITCH, STAFF EMERGENCY LEVER, SALMON, W/CANCEL, SUPERVISED	P2520B03	Wall	4" Sq Box 2 1/2" Deep w/1-Gang Mud Ring	48" AFF	1 cable to RCB
SW	SWITCH, CODE PINK SWITCH W/O CANCEL	P2520B04	Wall	4" Sq Box 2 1/2" Deep w/1-Gang Mud Ring	48" AFF	1 cable to RCB
SW	SWITCH, CODE BLUE SWITCH W/CANCEL	P2520B08	Wall	4" Sq Box 2 1/2" Deep w/1-Gang Mud Ring	48" AFF	1 cable to RCB
SW	PB SWITCH PUSH TO CALL WITH CANCEL	P2520B12	Wall	4" Sq Box 2 1/2" Deep w/1-Gang Mud Ring	48" AFF	1 cable to RCB
SW	PB SWITCH, CLEAN W / CANCEL	P2520B13	Wall	4" Sq Box 2 1/2" Deep w/1-Gang Mud Ring	48" AFF	1 cable to RCB
SW	PB SWITCH, NEEDS CLEAN W / CANCEL	P2520B14	Wall	4" Sq Box 2 1/2" Deep w/1-Gang Mud Ring	48" AFF	1 cable to RCB
RL	RLA, REMOTE LOCATOR RECEIVER	P2540B02	Ceiling	4" Sq Box 2 1/2" Deep w/1-Gang Mud Ring	48" AFF	1 cable to RCB
AI	SYSTEM ALARM INTERFACE MODULE, W/BOX W/ PIGTAILS	P2540A01	Above Ceiling	4" Sq Box 2 1/2" Deep w/ Blank Cover	1 cable to RCB	1 cable to RCB
RD	RAD - REMOTE AUDIO DEVICE	P2540N1C410	Wall	1 or 2-gang Metal Box	48" AFF	1 cable to RCB
SR	VISITOR STATION - STANDARD ROOM STATION W/VISITOR (SR)	P2580N1C1A00 (REV A) P2580N1C1B00 (REV B)	Wall	3-gang Metal Box 2 1/8" Deep	54" AFF or 48" to comply w/ OSBPO and ADA	1 cable to RCB
SR	STAFF STATION - STANDARD ROOM STATION W/O CODE (SR)	P2580N1C1A01 (REV A) P2580N1C1B01 (REV B)	Wall	3-gang Metal Box 2 1/8" Deep	54" AFF or 48" to comply w/ OSBPO and ADA	1 cable to RCB
SR	PATIENT STATION - STANDARD ROOM STATION W/ODE (SR)	P2580N1C1A11 (REV A) P2580N1C1B11 (REV B)	Wall	3-gang Metal Box 2 1/8" Deep	54" AFF or 48" to comply w/ OSBPO and ADA	1 cable to RCB
GR	GRAPHICAL ROOM STATION (GRS-8) - STAFF	P2580N1C3A00 (REV A) P2580N1C3B00 (REV B)	Wall	3-gang Metal Box 2 1/8" Deep	54" AFF or 48" to comply w/ OSBPO and ADA	1 cable to RCB
GR	GRAPHICAL ROOM STATION (GRS-8) - PATIENT	P2580N1C3A11 (REV A) P2580N1C3B11 (REV B)	Wall	3-gang Metal Box 2 1/8" Deep	54" AFF or 48" to comply w/ OSBPO and ADA	1 cable to RCB
AI	ROOM ANNUNCIATOR (RAB-10) - NO HS	P2580N1C1A00	Wall	3-gang Metal Box 2 1/8" Deep	54" AFF or 48" to comply w/ OSBPO and ADA	1 cable to RCB
AI	ROOM CONTROL BOARD (RCB) BELOW CEILING	P2580N1C1B00	Below Ceiling	3-gang OW Box 3 1/2" Deep	Surface mount above ceiling line	1 cable to PoE switch
AI	ROOM CONTROL BOARD (RCB) ABOVE CEILING	P2580N1C1B00	Above Ceiling	HS-Floor supplied 12" x 12" x 4" Steel Box Enclosure	Variable	1 cable to PoE switch
AI	POE SWITCH	P2516N1C1A24	Back/Rack	Rack Mounts into standard 19" rack, 1 Unit		See Rack-Riser diagram for details

DEVICE SYMBOL	CENTRAK NAME	PART #	BRACKETS	WORKING LOCATION	POWER	WORKING FUNCTION
CS	Centrak Star	CEN-ITK-103		Ceiling	POE.	Used to interface the tags and monitors to the IT network.
CS	Star-Timing	CEN-ITK-123		Equipment Closet	to ethernet. One needed per sub net.	Keeps everyone from talking at once.
RM	Centrak Room Monitor	CEN-ITK-313	ITA-361 9/16" ITA-362 15/16" ITA-363 5/16"	Ceiling / Wall	Battery Powered	Required to gain visibility to tags and keep a very accurate local location accuracy using IR signaling.
VM	Virtual Wall Monitor (Single)	CEN-ITK-323	ITA-371 9/16" ITA-372 15/16"	Ceiling / Wall	Battery Powered	Locating tagged assets or people that are geared to semi-private rooms and bays typically found in ED or OR units. The area of coverage is not affected by physical walls.
MD	Monitor Drop Box	CEN-ITK-383		Wall	Battery Powered	
HM	Hygiene Monitor (Dim)	CEN-ITK-373		Mounts to soap dispenser, pump, and/or sink.	Battery Powered	Automatically tracks hand hygiene, 24/7 at the caregivers level. Collects data on all events at hand washing stations.
IR	IR Regenerator	CEN-ITA-399		Ceiling / Wall		If over 5 Virtual Wall Monitors are installed, a IR Regenerator needs to be installed after the 4th VWM in Series.

TYPICAL PLACEMENT & WIRING ELEVATION DIAGRAMS



ENHANCED LOCATING - CENTRAK

NOTE - ALL METAL BOXES MUST BE GROUNDED, IF THE CONDUIT SYSTEM IS NOT GROUNDED, THE BOXES MUST BE GROUNDED BACK TO THE BUILDING STEEL. MASONRY BOXES ARE NOT REQUIRED, ALL BOXES ARE REQUIRED TO BE METAL.

THIS PLAN IS FOR REFERENCE ONLY. THIS IS DESIGNED TO SHOW DIAGRAMS THAT MAY HELP IN THE CONSTRUCTION PROCESS.

Revision Date	Revised by	Comments

Customer Information

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Enhancing Outcomes for Patients and their Caregivers

Project Information

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Drawing Information

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Sheet Number Total Sheets  
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