

REVISION NO.	DESCRIPTION	DATE

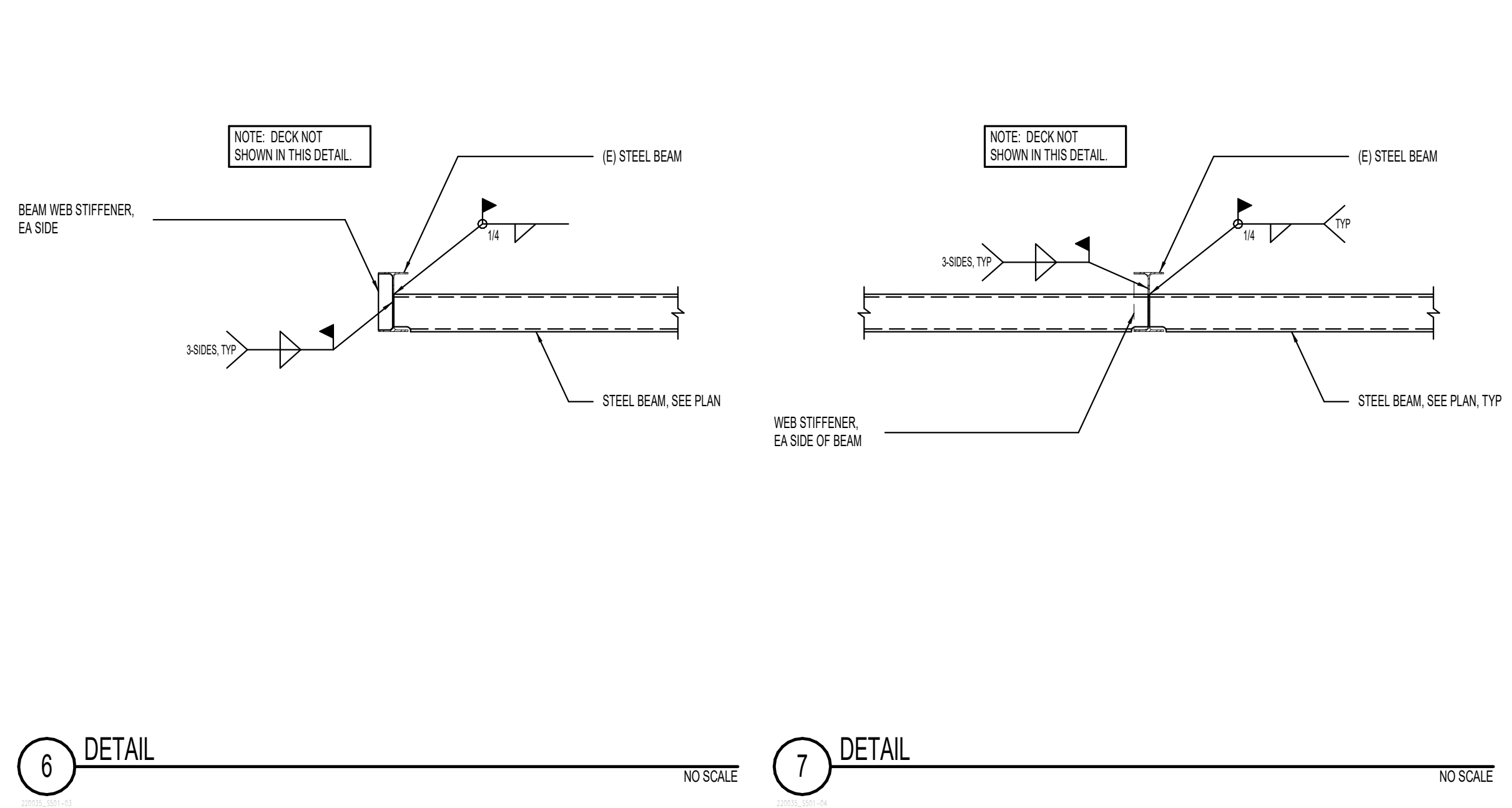
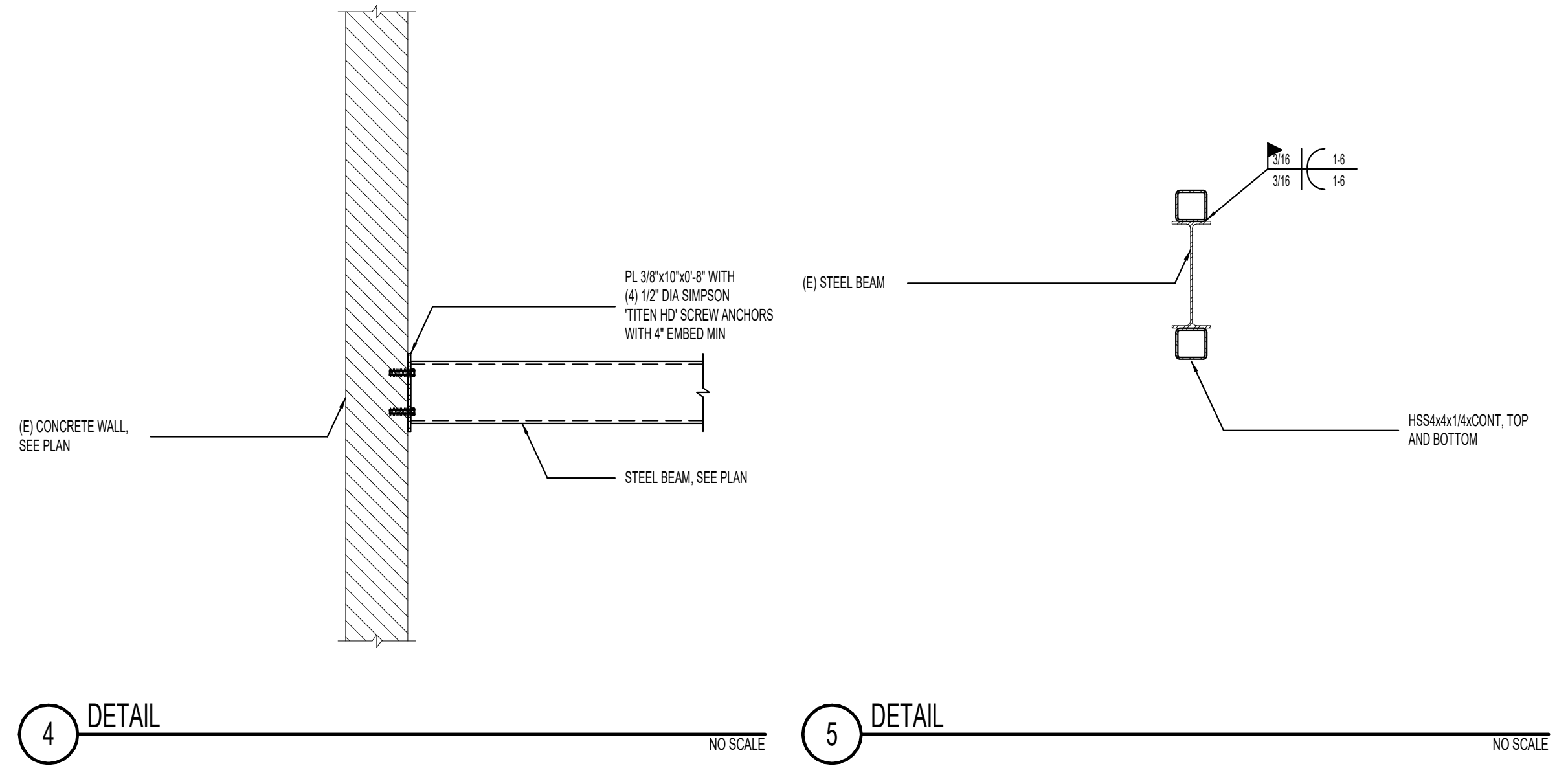
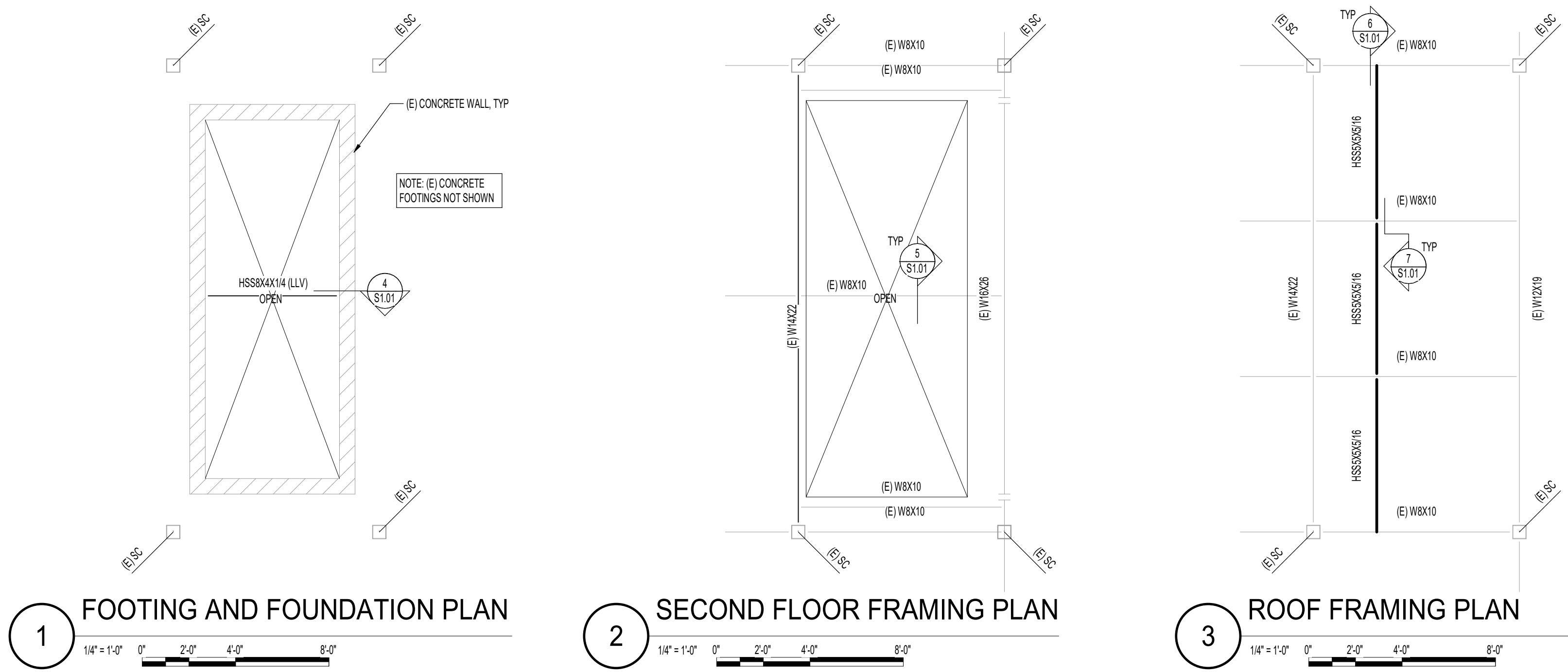
HKS PROJECT NUMBER  
**220035**

DATE  
**xx/xx/xx**

ISSUE  
**CONSTRUCTION DOCUMENTS**

SHEET TITLE  
**STRUCTURAL PLANS**

SHEET NO.  
**S1.01**



### LEGEND OF MARKS AND ABBREVIATIONS

AB	ANCHOR BOLT(S)	k	KIP(S) = 1000 POUNDS
ABV	ABOVE	KLF	KIPS PER LINEAL FOOT
ALT	ALTERNATE	KSF	KIPS PER SQUARE FOOT
APPROX	APPROXIMATE		
ARCH	ARCHITECT(URAL)	LBS	POUNDS
		LF	LINEAL FOOT
BLDG	BUILDING	LLH	LONG LEG HORIZONTAL
BLW	BELOW	LLV	LONG LEG VERTICAL
BM	BEAM	LSH	LONG SIDE HORIZONTAL
BOT	BOTTOM	LSV	LONG SIDE VERTICAL
BRG	BEARING		
BTWN	BETWEEN	MAX	MAXIMUM
		MECH	MECHANICAL
CC	CENTER-TO CENTER	MFR	MANUFACTURER
CGS	CENTER OF GROSS STEEL	MIN	MINIMUM
C.J.	CONST/CONTROL JOINT	MISC	MISCELLANEOUS
COL	COLUMN		
CONC	CONCRETE	NIC	NOT IN CONTRACT
CONST	CONSTRUCTION	NTS	NOT TO SCALE
CTR	CENTER		
CW-x	CONCRETE WALL	O.C.	ON CENTER
		O.F.	OUTSIDE FACE
DB	DECK BEARING	OPNG	OPENING
DBA	DEFORMED BAR ANCHOR	OPP	OPPOSITE
DBE	DECK BEARING ELEVATION		
DBL	DOUBLE	PAF	POWDER-ACTUATED FASTENER
DET	DETAIL	PCF	POUNDS PER CUBIC FOOT
DIA	DIAMETER	PL	PLATE
DIM	DIMENSION	PLF	POUNDS PER LINEAL FOOT
DN	DOWN	PNL	PANEL
DWG	DRAWING	PSF	POUNDS PER SQUARE FOOT
DWL	DOWEL	PSI	POUNDS PER SQUARE INCH
		PT	POINT
(E)	EXISTING		
EA	EACH	REINF	REINFORCING
E.F.	EACH FACE	REQD	REQUIRED
E.J.	EXPANSION JOINT	R.D.	ROOF DRAIN
ELEC	ELECTRICAL	RTU	ROOF TOP UNITS
ELEV	ELEVATION		
E.O.D.	EDGE OF DECK	SHT	SHEET
E.O.S.	EDGE OF SLAB	SI	SPECIAL INSPECTION
EQUIP	EQUIPMENT	SIM	SIMILAR
EQ	EQUAL	SMU	SUSPENDED MECHANICAL UNITS
E.W.	EACH WAY	SOG	SLAB-ON-GRADE
EXST	EXISTING	SQ	SQUARE
EXP	EXPANSION	STAG	STAGGERED
EXT	EXTERIOR	STD	STANDARD
		STL	STEEL
FC-x	CONTINUOUS FOOTING MARK	STR	STRUCTURAL
F.D.	FLOOR DRAIN	STS	SELF TAPPING SCREWS
FDN	FOUNDATION		
F.F.	FINISHED FLOOR	T&B	TOP AND BOTTOM
FR-x	RECTANGULAR FOOTING	TEMP	TEMPERATURE
FS-x	SQUARE FOOTING MARK	THDS	THREADS
FT	FOOT	T.O.	TOP OF
FTG	FOOTING	TOC	TOP OF CONCRETE
FTS-x	THICKENED SLAB MARK	TOD	TOP OF DECK
		TOF	TOP OF FOOTING
GA	GAUGE	TOS	TOP OF STEEL
GALV	GALVANIZED	TOW	TOP OF WALL
GSN	GENERAL STRUCTURAL NOTES	TYP	TYPICAL
HB	HORIZONTAL BRIDGING	UNO	UNLESS NOTED OTHERWISE
HORIZ	HORIZONTAL		
HSA	HEADED STUD ANCHOR	VERT	VERTICAL
HT	HEIGHT		
		W/	WITH
		WT	WALL THICKNESS
ICC	INTERNATIONAL CODE COUNCIL	WWF	WELDED WIRE FABRIC
IBC	INTERNATIONAL BUILDING CODE	WWM	WELDED WIRE MESH
I.F.	INSIDE FACE		
IN.	INCH		
INT	INTERIOR		
JT	JOINT		
JST	JOIST		

**FRAMING PLAN NOTES**

- VERIFY ALL FLOOR OPENINGS FOR MECHANICAL, SHAFTS, STAIRS, ETC. WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
- COORDINATE SIZE AND LOCATION OF ALL MECHANICAL OPENINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
- FIELD VERIFY ALL ELEMENTS AND REPORT ANY DIFFERENCES TO EOR BEFORE BEGINNING WORK.

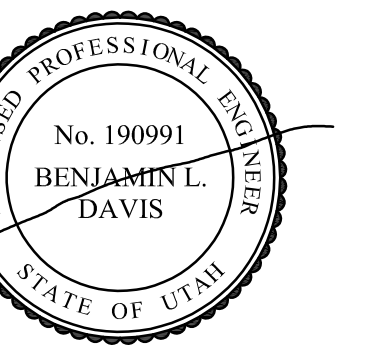
**MARKS AND SYMBOLS LEGEND**

	SECTION MARK
	SHEET NUMBER
	INDICATES EXISTING WALL







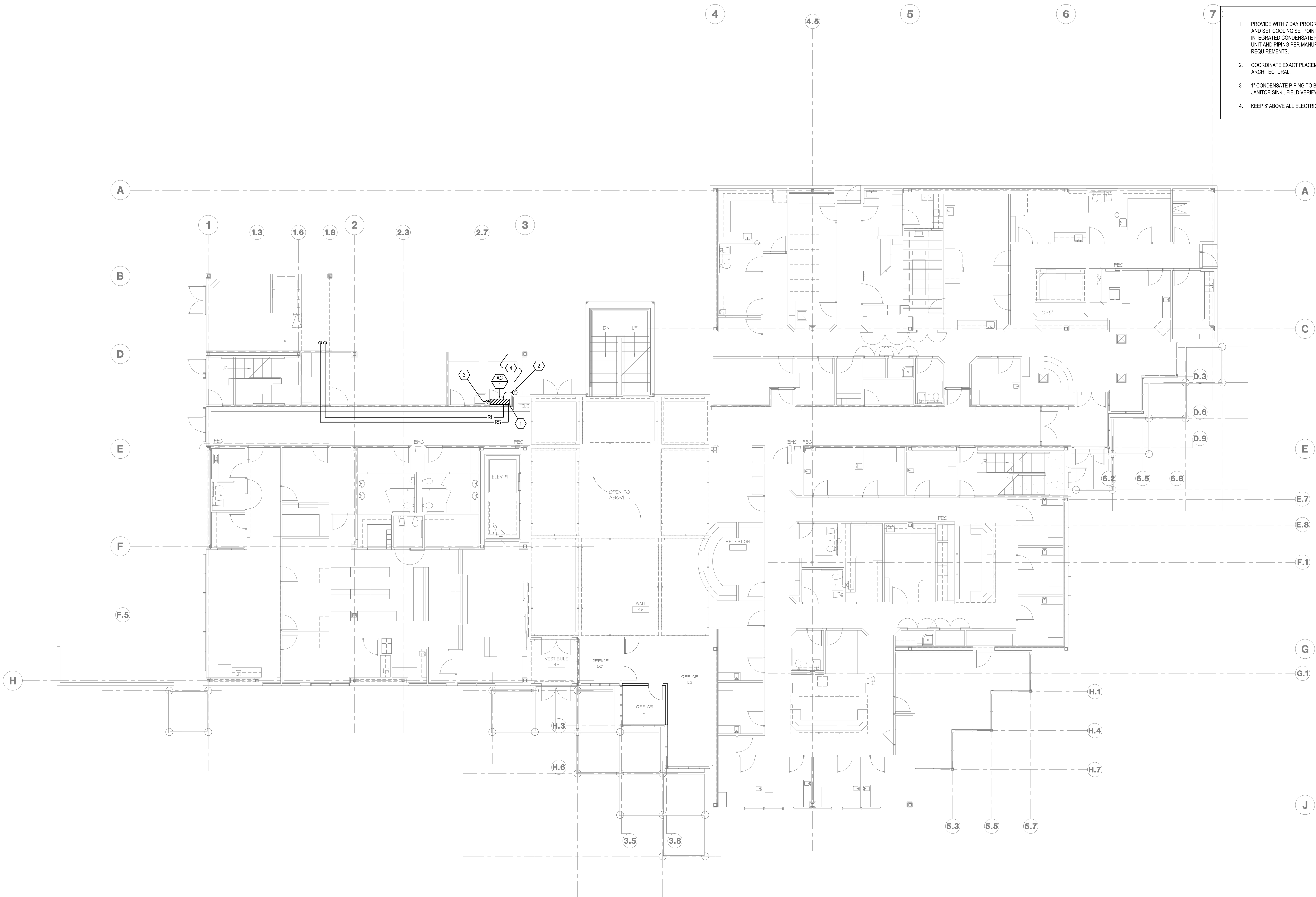


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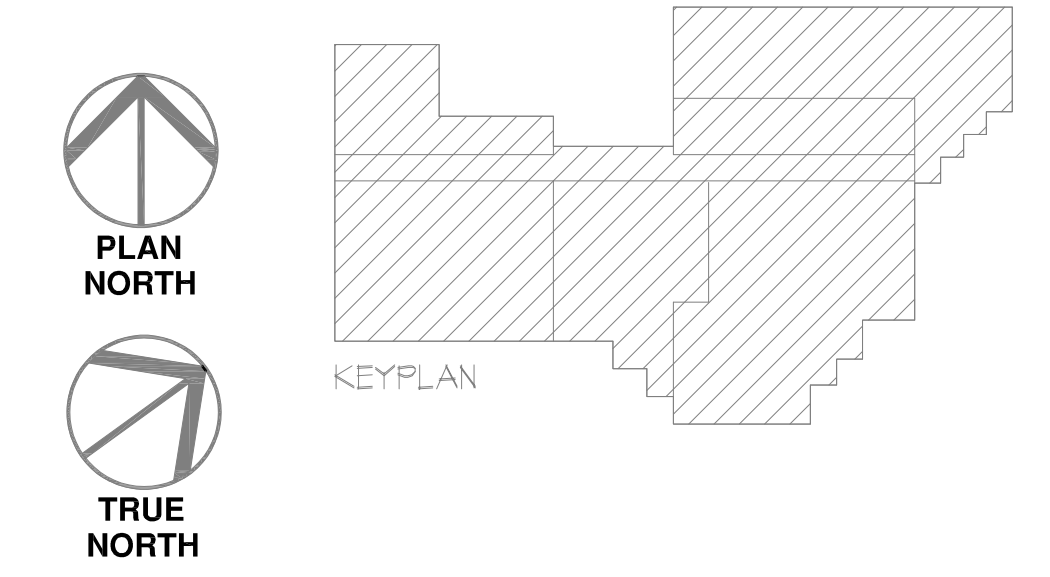
HKS PROJECT NUMBER  
**PROJECT NUMBER**  
DATE  
**17 JANUARY, 2022**  
ISSUE  
**CONSTRUCTION DOCUMENTS**  
**LEVEL 1 ELEVATOR EQUIPMENT ROOM MECHANICAL PLAN**

**# KEYED NOTES**

1. PROVIDE WITH 7 DAY PROGRAMMABLE THERMOSTAT AND SET COOLING SETPOINT TO 72F. SUPPLY UNIT WITH INTEGRATED CONDENSATE PUMP AND PIPING. INSTALL UNIT AND PIPING PER MANUFACTURER'S REQUIREMENTS.
2. COORDINATE EXACT PLACEMENT OF T-STAT WITH ARCHITECTURAL.
3. 1" CONDENSATE PIPING TO BE ROUTED DOWN TO JANITOR SINK. FIELD VERIFY EXACT ROUTING.
4. KEEP 6" ABOVE ALL ELECTRICAL EQUIPMENT CLEAR.



**1 LEVEL 1 ELEVATOR EQUIPMENT ROOM MECHANICAL PLAN**  
M101 SCALE: 1/8" = 1'-0"  
0' 8' 16'

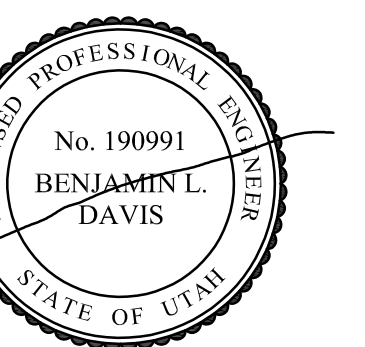




## Intermountain Layton Clinic Elevator Project

2017 University Park Blvd, Layton, Utah

**OWNER**  
INTERMOUNTAIN HEALTHCARE  
36 SOUTH STATE STREET  
SALT LAKE CITY, UTAH 84111



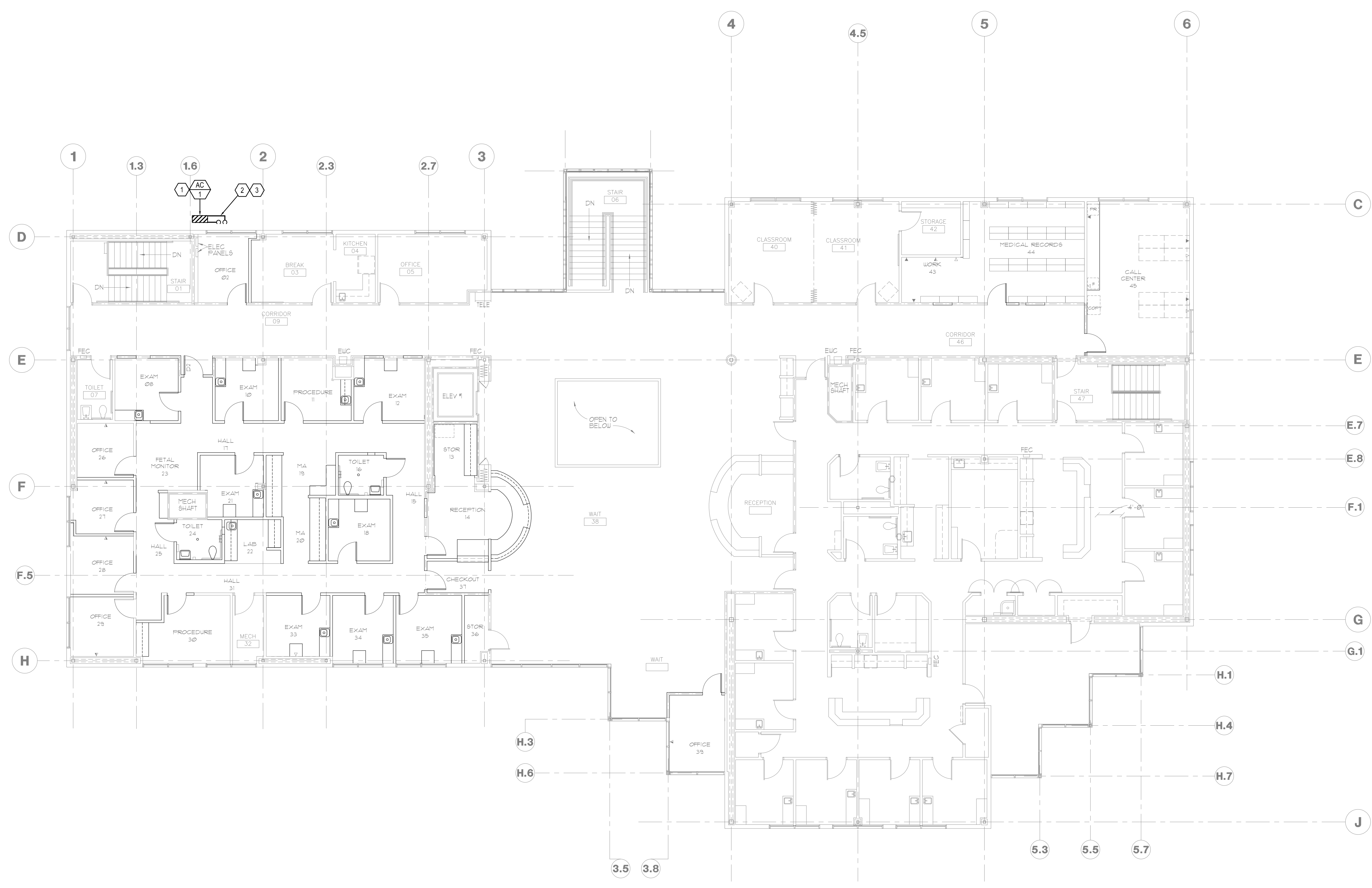
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SHEET TITLE  
**LEVEL 2 ELEVATOR EQUIPMENT ROOM MECHANICAL PLAN**  
SHEET NO.

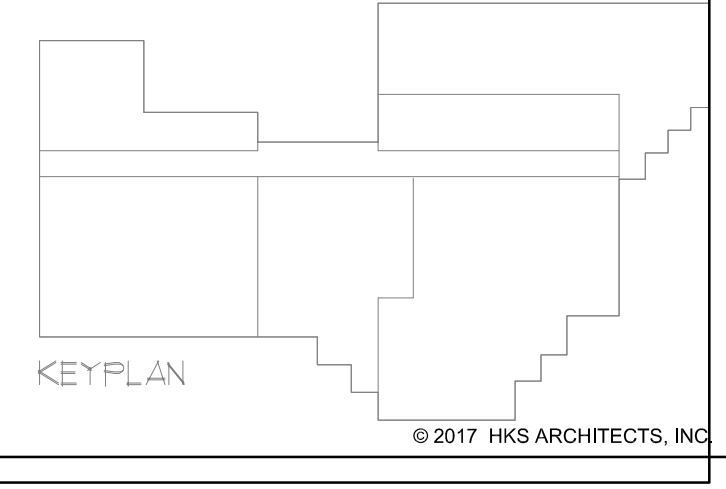
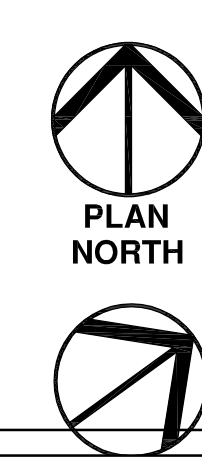
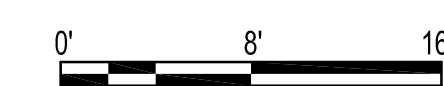
**M102**

### # KEYED NOTES

1. OUTDOOR UNIT TO MOUNTED ON ROOF. SEE SCHEDULES AND DETAILS M501.
2. PIPE REPRESENTS ALL PIPES BETWEEN INDOOR UNITS AND OUTDOOR UNITS. LINESET PENETRATES WALL AND ROUTES THROUGH CEILING SPACE TO UNITS IT SERVES. PROVIDE REFRIGERANT PIPING SIZING PER MANUFACTURERS RECOMMENDATIONS AND SYSTEM REQUIREMENTS. ROUTE REFRIGERANT PIPING UNIFORMLY. ELBOWS TO BE LONG SWEEP 90 DEGREE ANGLES TO NOT KINK REFRIGERANT PIPING. FIELD VERIFY EXACT ROUTING.
3. CONTRACTOR TO VERIFY AC-1 LOCATIONS WITH OWNER. CONTRACTOR TO FIELD VERIFY EXACT ROUTING LENGTHS BOTH HORIZONTAL AND VERTICAL WITH MANUFACTURERS RECOMMENDATIONS AND SYSTEM REQUIREMENTS.



**1 LEVEL 2 ELEVATOR EQUIPMENT ROOM MECHANICAL PLAN**  
M102 SCALE: 1/8" = 1'-0"



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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. "X-X" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "XMP" 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. "EF-X" INDICATES MECHANICAL EQUIPMENT BEING SERVED. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
19	EQUIPMENT INDICATOR. "X-X" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "ILA-3" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
<b>WIRING METHODS</b>	
01	WIRING.
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 TV    P = POWER TELEVISION 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.
20	WIREWAY.
21	EARTH BONDING (ONE-LINE DIAGRAM).
22	JUNCTION BOX, CEILING.
25	LADDER RACK.
24	CABLE TRAY BELOW ACCESSIBLE FLOOR.
25	MECHANICAL EQUIPMENT CONNECTION. REFER TO EQUIPMENT SCHEDULE FOR REQUIREMENTS.
<b>TECHNOLOGY SYSTEMS</b>	
01	TECHNOLOGY SYSTEM CABLE. SEE SPECIFIC JOB EQUIPMENT LIST FOR APPLICABLE DESIGNATIONS. EXAMPLES: C = CONTROL CABLE G = GROUND CABLE, 10 AWG, 1 CONDUCTOR, GREEN I = INSULATED M = MICROPHONE CABLE S = SPEAKER CABLE, 70 VOLT SYSTEM Z = SPEAKER CABLE, 8 OHM SYSTEM
02	SPEAKER, CEILING MOUNTED.
03	SPEAKER, WALL MOUNTED.
12	SPEAKER, MASKING.
13	SPEAKER, RECESSED.
21	EQUIPMENT CABINET.
22	MEDIA CONNECTION PLATE.
23	AUDIO/VISUAL OUTLET.
40	CONNECTION PANEL.
49	TRANSIENT VOLTAGE SURGE SUPPRESSOR, AC LINE CONDITIONER.
55	AMPLIFIER (ONE-LINE DIAGRAM).
56	POWER BRIDGE (VARIZONE DIGITAL PAGING SYSTEM).
57	TERMINATOR (VARIZONE DIGITAL PAGING SYSTEM).
59	TRANSFORMER, ISOLATION/MATCHING (ONE-LINE DIAGRAM).
60	TRANSFORMER, # WATT (ONE-LINE DIAGRAM).

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
<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.
13	RECEPTACLE, DUPLEX ON EMERGENCY POWER. NEMA 5-20R.
14	RECEPTACLE, DUPLEX, HOSPITAL GRADE ON EMERGENCY POWER. NEMA 5-20R.
15	RECEPTACLE, DUPLEX, CONNECTED TO UPS. NEMA 5-20R.
16	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER. NEMA 5-20R.
17	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE. NEMA 5-20R.
18	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE ON EMERGENCY POWER. NEMA 5-20R.
19	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WEATHERPROOF. 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.
27	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER. NEMA 5-20R.
28	RECEPTACLE, SPECIAL PURPOSE. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
29	RECEPTACLE, SPECIAL PURPOSE ON EMERGENCY POWER. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
30	RECEPTACLE, DRYER. NEMA 14-30R.
31	RECEPTACLE, RANGE. NEMA 14-50R.
32	RECEPTACLE, CLOCK HANGER. NEMA 5-15R.
33	MULTI-OUTLET ASSEMBLY. NEMA 5-20R.
34	DROP CORD. SEE DETAIL.
35	THERMOSTAT.
36	FLUSH FLOOR BOX. "F" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
38	FLUSH FLOOR 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).
44	SWITCH, DOOR.
45	SWITCH, KEY OPERATED.
47	SWITCH, MOMENTARY.
51	SWITCH, WEATHERPROOF.
53	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE. NEMA 5-20R.
54	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE ON EMERGENCY POWER. NEMA 5-20R.
56	RECEPTACLE, 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)
<b>LIGHTING</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.
03	EMERGENCY.
05	EGRESS DIRECTION ARROW (EXIT SIGNS).
06	LOW VOLTAGE LIGHTING TRANSFORMER.
07	EXIT SIGN: SINGLE FACE, CEILING MOUNTED
08	EXIT SIGN: SINGLE FACE, WALL MOUNTED
09	EXIT SIGN: DOUBLE FACE, CEILING MOUNTED
10	EXIT SIGN: DOUBLE FACE, WALL MOUNTED
<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).

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
<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).
04	DISCONNECT WITH FUSE AND MOTOR STARTER COMBINATION (ONE-LINE DIAGRAM).
07	CIRCUIT BREAKER, MOLDED CASE (ONE-LINE DIAGRAM).
08	CIRCUIT BREAKER, MOLDED CASE WITH SHUNT TRIP (ONE-LINE DIAGRAM).
09	CIRCUIT BREAKER, MOTOR CIRCUIT PROTECTION (ONE-LINE DIAGRAM).
10	CIRCUIT BREAKER, SOLID STATE (ONE-LINE DIAGRAM).
11	CIRCUIT BREAKER, SOLID STATE WITH GROUND FAULT PROTECTION (ONE-LINE DIAGRAM).
12	MOTOR.
16	TRANSFORMER (ONE-LINE DIAGRAM).
22	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).
26	PANELBOARD WITH MAIN AND SUB FEED CIRCUIT BREAKER (ONE-LINE DIAGRAM).
25	PANELBOARD WITH MAIN LUGS ONLY AND SURGE PROTECTION WITH CIRCUIT BREAKER (ONE-LINE DIAGRAM).
<b>FIRE ALARM</b>	
01	FIRE SYSTEM ANNUNCIATOR.
02	FIRE ALARM CONTROL PANEL, SEMI-RECESSED.
03	FIRE ALARM NOTIFICATION POWER SUPPLY.
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.
11	MAGNETIC DOOR HOLDER.
15	DETECTOR, SMOKE.
22	DETECTOR, SMOKE, DUCT WITH HOUSING AND SAMPLING TUBE.
23	DETECTOR, HEAT.
25	STROBE.
26	STROBE. SUBSCRIPT INDICATES CANDELA RATING.
27	ALARM, HORN/SPEAKER, WEATHERPROOF.
28	ALARM, HORN/STROBE, ONE ASSEMBLY.
29	ALARM, HORN/STROBE, ONE ASSEMBLY. SUBSCRIPT INDICATES CANDELA RATING.
30	ALARM, CHIME/STROBE, ONE ASSEMBLY.
31	ALARM, HORN/STROBE WITH GUARD, ONE ASSEMBLY.
32	ALARM, MINI HORN/STROBE, ONE ASSEMBLY.
35	DETECTOR, FLOW SWITCH. FLOW SWITCHES SHALL BE PROVIDED AND INSTALLED WITH FIRE SPRINKLER SYSTEM AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
36	DETECTOR, TAMPER SWITCH WITH VALVE. TAMPER SWITCHES SHALL BE PROVIDED AND INSTALLED WITH FIRE SPRINKLER SYSTEM AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
37	SMOKE DAMPER.
38	FIRE AND SMOKE DAMPER.
40	DETECTOR, CARBON MONOXIDE.
41	DETECTOR, SMOKE/STROBE, RESIDENTIAL.
42	ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
43	ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
44	ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.

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).
33	SERVICE ENTRANCE SURGE PROTECTION (ONE-LINE DIAGRAM).
34	GENERATOR, ANNUNCIATOR (ONE-LINE DIAGRAM).
35	GENERATOR, POWER (ONE-LINE DIAGRAM).
36	METER.
37	VARIABLE FREQUENCY MOTOR CONTROLLER (ONE-LINE DIAGRAM).
41	DISCONNECT SWITCH, FUSED.
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	TRANSFORMER. NUMBER INDICATES KVA.
70	SPECIALIZED TRANSFER SWITCH (ONE-LINE DIAGRAM).
77	ACCESSIBLE DOOR ENTRY PUSH PLATE OPERATOR.
78	CIRCUIT BREAKER, DRAW OUT (ONE-LINE DIAGRAM).
<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.
11	NURSE CALL AREA CONTROL UNIT & POWER SUPPLIES.
<b>SECURITY</b>	
04	INTRUSION DETECTION HEADEND EQUIPMENT.
05	CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE.
06	CARD READER.
07	KEYPAD/CARD READER COMBINATION.
08	EXIT REQUEST.
10	REMOTE DOOR RELEASE BUTTON.
21	PANIC DURESS SWITCH.
22	ULTRASONIC MOTION DETECTOR.
<b>LIGHTING CONTROL</b>	
01	OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
02	OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL.
05	OCCUPANCY SENSOR CONTROL RELAY.
06	VACANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
07	VACANCY SENSOR, DUAL TECHNOLOGY, WALL.
08	PHOTOCELL.
09	TIME CLOCK.
10	HOUSE RELAY SCHEDULE INDICATOR.
18	LOW VOLTAGE DIGITAL LIGHTING CONTROL SWITCH. LETTER "a,b" INDICATES ZONING WHERE SHOWN (REFER TO PLANS, SCHEDULES, AND DETAILS FOR EXACT BUTTON CONFIGURATION AND PROGRAMMING REQUIREMENTS).
19	DIGITAL LIGHTING DIMMING CONTROLLER.
25	LIGHTING NETWORK SEGMENT MANAGER.
26	LIGHTING SPACE CONTROL TYPE. X INDICATES TYPE. SEE SCHEDULE / DIAGRAM.

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

### DEFINITIONS

NOTE: ALL DEFINITIONS MAY NOT BE USED.

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

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

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

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

INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING







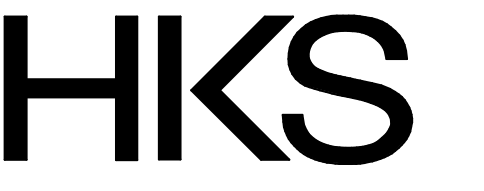




GENERAL SHEET NOTES

SHEET KEYNOTES

- 1 PROVIDE 480V, 100A/3P LOCKABLE DISCONNECT WITH LPJ-70 FUSE, 30A/1P LOCKABLE DISCONNECT FOR CAB LIGHTING AND CONTROLS AND A DATA LINE FOR ELEVATOR #2.
- 2 EXISTING EQUIPMENT ON NORTH WALL TO BE DEMOLISHED. EXISTING ELEVATOR DISCONNECTS AND CONTROL PANEL TO BE RELOCATED PER NEW PLANS. REFER TO NEW PLANS AND ELEVATOR SHOP DRAWINGS.
- 3 PROVIDE 480V, 100A/3P LOCKABLE DISCONNECT WITH LPJ-70 FUSE, 30A/1P LOCKABLE DISCONNECT FOR CAB LIGHTING AND CONTROLS AND A DATA LINE FOR ELEVATOR #1. INTERCEPT EXISTING FEEDERS FOR ELEVATOR #1 AND ROUTE TO THE NEW DISCONNECT LOCATION.



**ARCHITECT**  
 HKS ARCHITECTS, INC.  
 90 SOUTH 400 WEST, SUITE 110  
 SALT LAKE CITY, UT, 84101

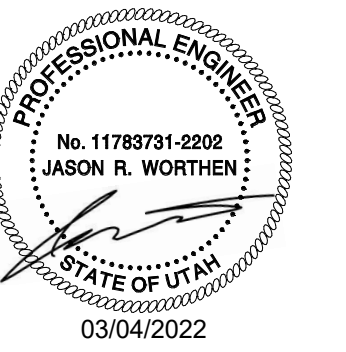
**MECHANICAL ENGINEER**  
 VBFA  
 181 EAST 5600 SOUTH, SUITE 200  
 MURRAY, UTAH 84107

**ELECTRICAL ENGINEER**  
 SPECTRUM ENGINEERS  
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Intermountain Layton Clinic  
Elevator Project

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**OWNER**  
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REVISION NO.	DESCRIPTION	DATE

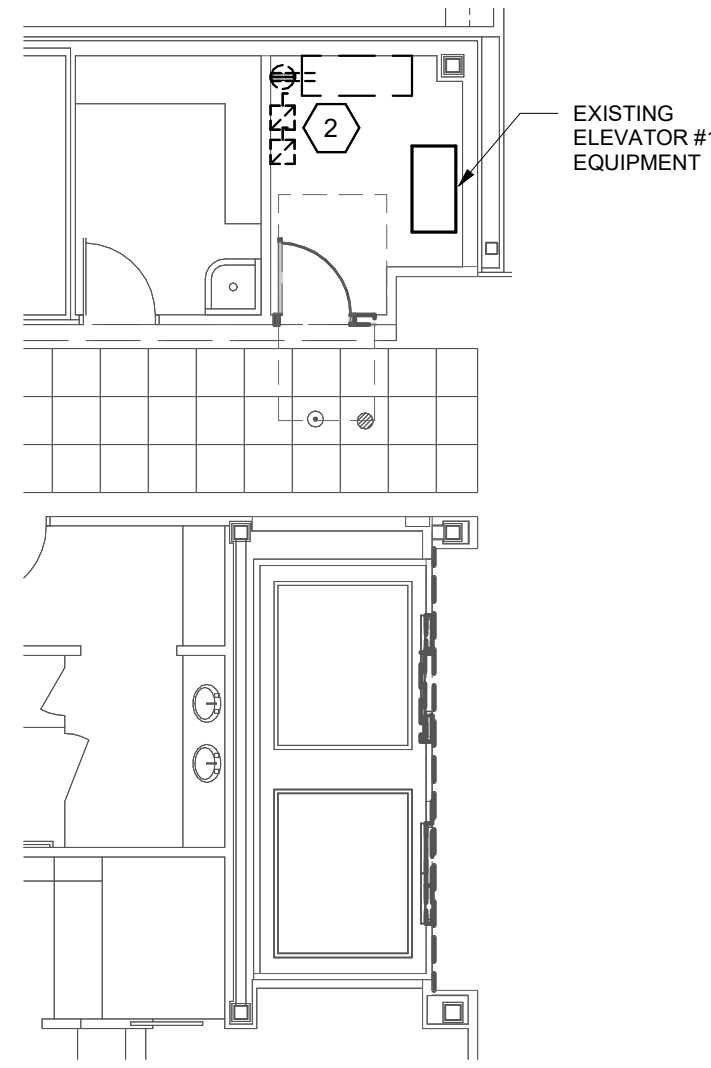
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DATE  
**03/04/2022**

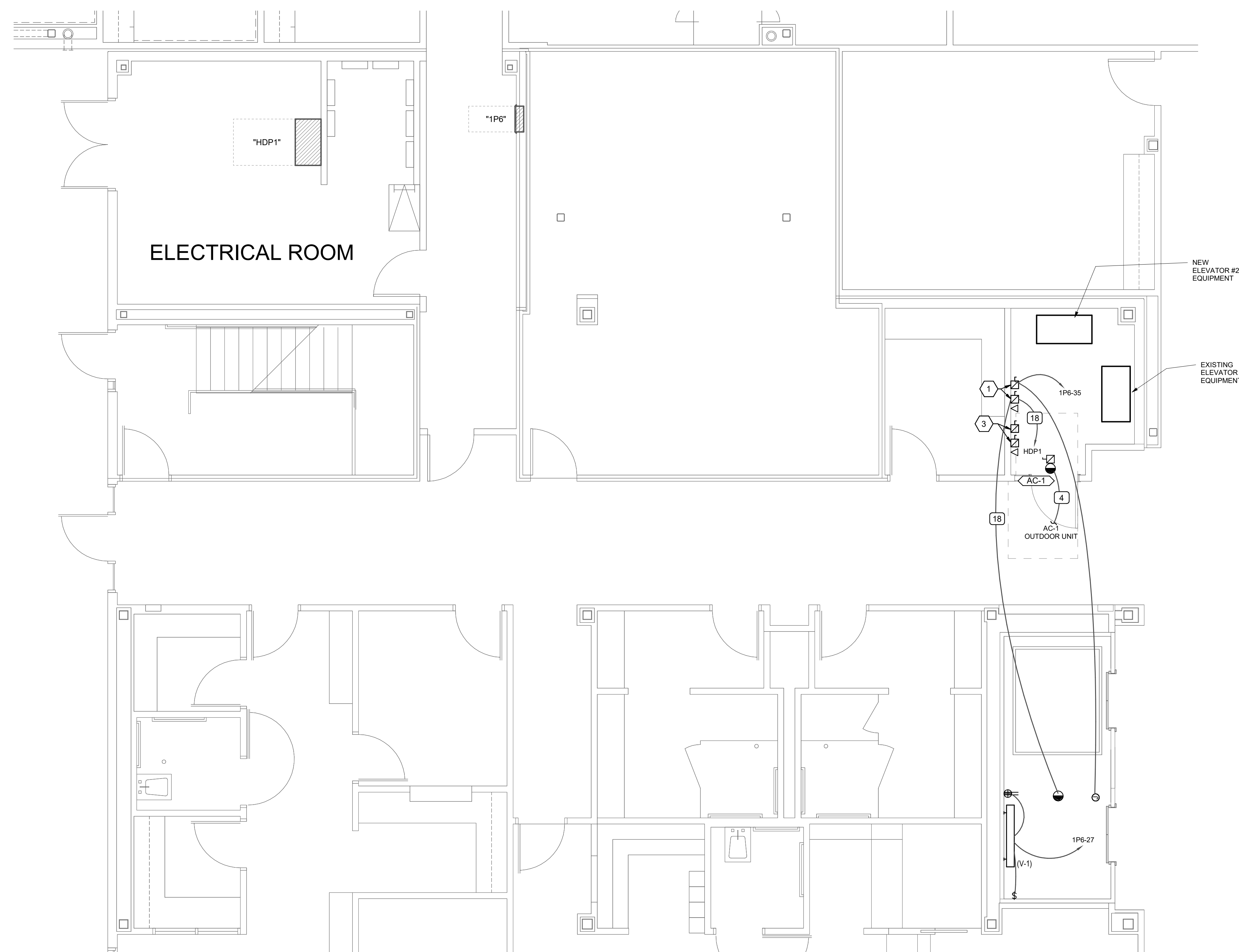
ISSUE  
**CONSTRUCTION DOCUMENTS**

SHEET TITLE  
**LEVEL 1 ELECTRICAL PLANS**

SHEET NO.  
**EP101**



**2 LEVEL 1 ELECTRICAL DEMOLITION PLAN**  
 SCALE: 1/8" = 1'-0"



**1 LEVEL 1 ELECTRICAL PLAN**  
 SCALE: 1/4" = 1'-0"

PLOT DATE: 3/2/2022 6:42:27 AM TEMPLATE VERSION: 3.0.0.20170623





















