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TYPICAL ABBREVIATIONS

(A)	ABOVE	FD	FLOOR DRAIN	P/C	PRECAST
AB	ANCHOR BOLT	FDN	FOUNDATION	PCWT	PLATE-CONNECTED WOOD TRUSS
ACI	AMERICAN CONCRETE INSTITUTE	FIN	FINISH, FINISHED	PEMB	PRE-ENGINEERED METAL BUILDING
ADDL	ADDITIONAL	FF	FINISHED FLOOR	PERP	PERPENDICULAR
ADJ	ADJACENT	FLG	FLANGE	PJ	PANEL JOINT
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	FLR	FLOOR	PL	PLATE (STEEL OR WOOD)
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	FOS	FACE OF STUDS	PLCS	PLACES
AISI	AMERICAN IRON AND STEEL INSTITUTE	FRP	FIRE RESISTANT TREATED PLYWOOD	PLWD	PLYWOOD
AITC	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION	FRT	FIRE RESISTANT TREATED (LUMBER)	PP	PARTIAL PENETRATION
ALT	ALTERNATE	FS	FINISH SLAB ELEVATION, FAR SIDE	PSF	POUNDS PER SQUARE FOOT
ALUM	ALUMINUM	FT OR '	FOOT, FEET	PSI	POUNDS PER SQUARE INCH
ARCH	ARCHITECT, ARCHITECTURAL	FTG	FOOTING	PSL	PARALLEL STRAND LUMBER
@	AT	FV	FIELD VERIFY	PT	PRESSURE TREATED
APPROX	APPROXIMATELY	GA	GAUGE, GAGE	P/T	POST TENSION
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	GALV	GALVANIZED	PVC	POLYVINYL CHLORIDE
ASTM	AMERICAN SOCIETY FOR TESTING MATERIAL	GEN	GENERAL	R	RADIUS
AWS	AMERICAN WELDING SOCIETY	GL	GLUE LAMINATED	RD	ROOF DRAIN, ROUND
&	AND	GLWB	GYP SUM WALL BOARD	REF	REFERENCE
		GYP	GYP SUM	REINF	REINFORCING, REINFORCEMENT, REINFORCED
(B)	BELOW	HDG	HOT DIPPED GALVANIZED	REQD	REQUIRED
BD	BOARD	HORIZ	HORIZONTAL	RO	ROUGH OPENING
BLDG	BUILDING	HP	HP STEEL SHAPE	RS	RING SHANK
BLK	BLOCK	HSB	HIGH STRENGTH BOLT		
BLKG	BLOCKING	HSS	HOLLOW STRUCTRAL SECTION	S	AMERICAN STANDARD STEEL SHAPE, SOUTH
BOD	BOTTOM OF DECK ELEVATION	HT	HEIGHT	SCHED	SCHEDULE
BM	BEAM			SEC	SECTION
BOT	BOTTOM	IBC	INTERNATIONAL BUILDING CODE	SHT	SHEET
BRG	BEARING	ID	INSIDE DIAMETER	SHTG	SHEETING
BRK	BRICK	IF	INSIDE FACE	SHTHG	SHEATHING
BSMT	BASEMENT	IMP	INSULATED METAL PANEL	SIM	SIMILAR
BTWN	BETWEEN	IN OR "	INCH	SIP	STRUCTURAL INSULATED PANEL
		INCL	INCLUDE	SLBB	SHORT LEGS BACK TO BACK
C	AMERICAN CHANNELS	INSUL	INSULATION, INSULATED, INSULATE	SMS	SHEET METAL SCREWS
CG	CENTER OF GRAVITY	INT	INTERIOR	SOG	CONCRETE SLAB ON GRADE
CJ	CONSTRUCTION JOINT			SPA	SPACE, SPACING, SPACES
CIP	CAST-IN-PLACE	JT	JOINT	SPEC	SPECIFICATION
CL	CENTER LINE	JST	JOIST	SQ	SQUARE
CJP	COMPLETE JOINT PENETRATION	K	KIP, KIPS	SSL	STAINLESS STEEL
CLR	CLEAR	KSI	KIPS PER SQUARE INCH	ST	SHORT SLOTTED HOLES
CMP	CORRUGATED METAL PIPE			STD	STRUCTURAL T FROM S SERIES SECTION
CMU	CONCRETE MASONRY UNIT	LB OR #	POUND	STIFF	STANDARD
CO	CLEANOUT, CONCRETE OPENING	LLBB	LONG LEG BACK TO BACK	STL	STIFFENER
COL	COLUMN	LLH	LONG LEGS HORIZONTAL	STRUCT	STEEL
CONC	CONCRETE	LLV	LONG LEGS VERTICAL	SUPT	STRUCTURAL
CONN	CONNECTION	LONGIT	LONGITUDINAL	SUSP	SUPPORT
CONSTR	CONSTRUCTION	LSL	LONG SLOTTED HOLES	SYMM	SUSPENDED
CONT	CONTINUOUS	LT	LIGHT		SYMMETRICAL
CONTR	CONTRACTOR	LT WT	LIGHT WEIGHT	T	TOP
CSA	CONCRETE SCREW ANCHOR	L	ANGLE	T&G	TONGUE AND GROOVE
CTJ	CONTROL JOINT, CONTRACTION JOINT	LVF	LOW VELOCITY FASTENERS	TEMP	TEMPERATURE, TEMPORARY
CTR	CENTER	LVL	LAMINATED VENEER LUMBER	THK	THICK
CU	CUBIC	M	MISCELLANEOUS SHAPE	THRU	THROUGH
		MATL	MATERIAL	TOB	TOP OF BEAM ELEVATION
DBL	DOUBLE	MAX	MAXIMUM	TOC	TOP OF CONCRETE ELEVATION,
DEPT	DEPARTMENT	MC	MISCELLANEOUS CHANNEL SECTION	TOF	TOP OF CMU ELEVATION
DET	DETAIL	MECH	MECHANICAL	TOS	TOP OF FOOTING ELEVATION
DIA, Ø	DIAMETER	MFR	MANUFACTURER	TOSH	TOP OF STEEL ELEVATION
DIAA	DRILLED-IN ADHESIVE ANCHOR	MFRG	MANUFACTURING	TOW	TOP OF SHEATHING ELEVATION
DIAB	DRILLED-IN ADHESIVE BOLT	MIN	MINIMUM	TOW	TOP OF WALL ELEVATION
DIAG	DIAGONAL	MISC	MISCELLANEOUS	TP	TOP OF PAVEMENT
DIAPH	DIAPHRAGM	MT	STRUCTURAL TEE FROM	TRANS	TRANSVERSE
DIEB	DRILLED-IN EXPANSION BOLT	MTL	M SERIES SECTION	TS	STRUCTURAL TUBE
DIM	DIMENSION		METAL	TYP	TYPICAL
DN	DOWN	N	NORTH	UL	UNDERWRITERS LABORATORY
do	DITTO	NDT	NON-DESTRUCTIVE TESTING	UON	UNLESS OTHERWISE NOTED
DP	DEEP	NF	NEAR FACE	UT	ULTRASONIC TEST
DWG	DRAWING	NIC	NOT IN CONTRACT	VERT	VERTICAL
DWL	DOWEL	No OR #	NUMBER	W	WEST, W SERIES SECTION
		NOM	NOMINAL	W/	WITH
E	EAST	NS	NEAR SIDE	W/O	WITHOUT
EA	EACH	NSG	NON-SHRINK GROUT	WD	WOOD
EF	EACH FACE	NTS	NOT TO SCALE	WHS	WELDED HEADED STUD
EL	ELEVATION (HEIGHT)	OC	ON CENTER	WP	WORK POINT
ELEC	ELECTRICAL	OD	OUTSIDE DIAMETER	WT	WEIGHT, STRUCTURAL TEE FROM W SERIES
ELEV	ELEVATOR	OF	OUTSIDE FACE	WWF	SECTION
ENGR	ENGINEER	OPNG	OPENING		WELDED WIRE FABRIC
EOD	EDGE OF DECK	OPP	OPPOSITE	YD	YARD
EQ	EQUAL	OSB	ORIENTED STRAND BOARD		
EQUIP	EQUIPMENT	OVS	OVERSIZED		
ES	EACH SIDE				
EW	EACH WAY				
EXIST, (E)	EXISTING				
EXP	EXPANSION				
EXT	EXTERIOR				




AECC561

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65% DESIGN DEVELOPMENT

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LONG TERM CARE  
EXPANSION  
911 MEALS AVE, VALDEZ, ALASKA 99686

Revisions		
No.	Description	Date

Drawn by REB	Date 10/4/2024
Checked DLB	Job No. 223131

Sheet Contents ABBREVIATIONS
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Sheet No.

S0.02

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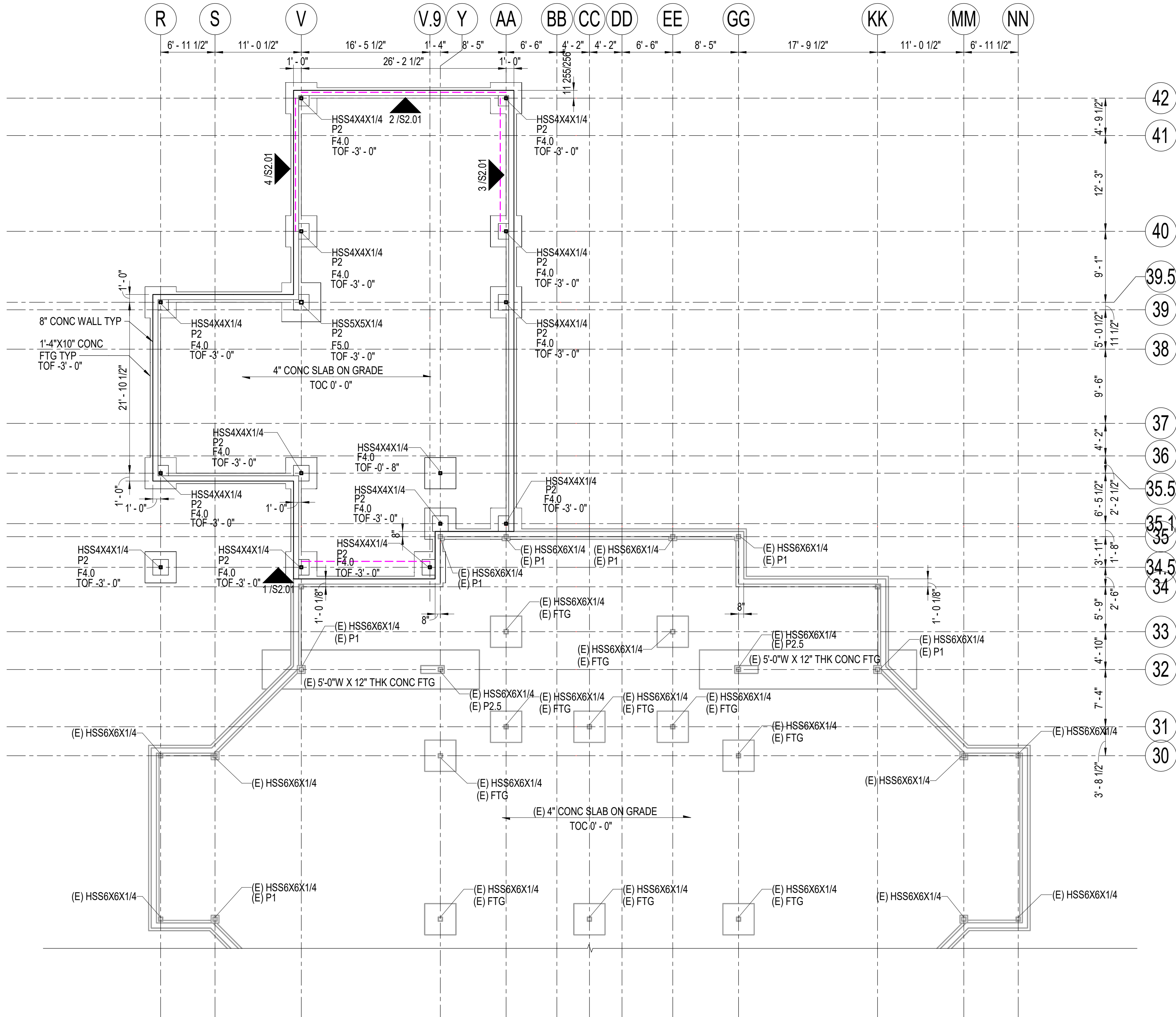
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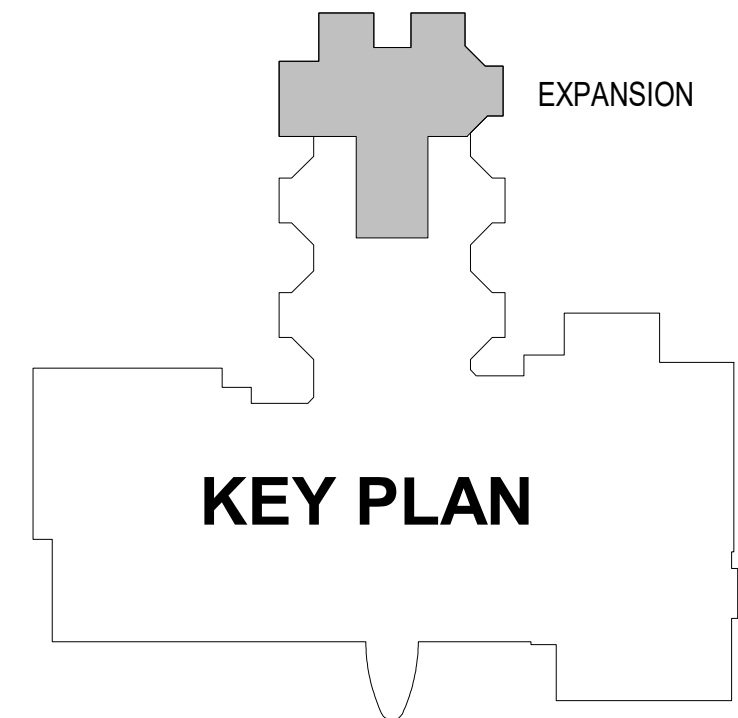
1 FOUNDATION PLAN  
1/8" = 1'-0"

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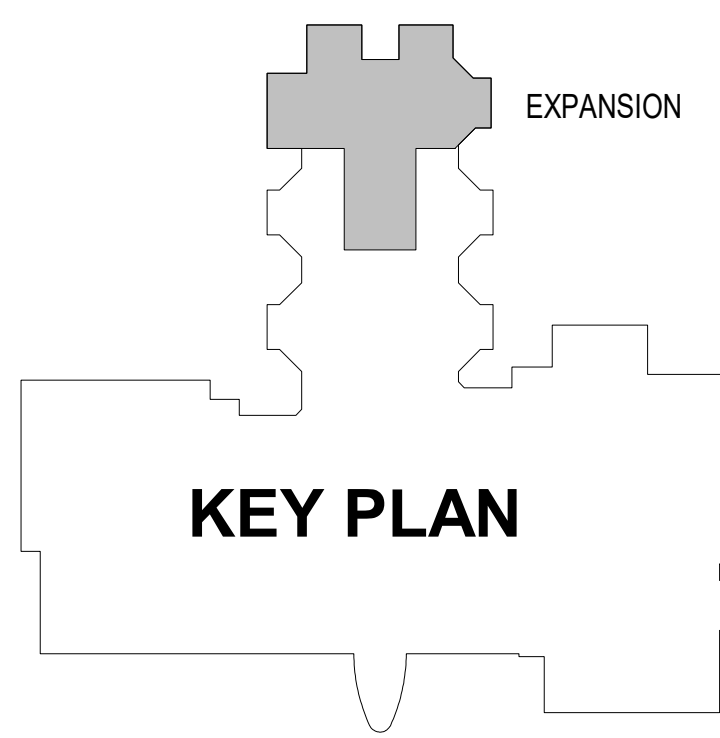
Revisions		
No.	Description	Date
1	35% UPDATES	3/12/24

Drawn by REB	Date 10/4/2024
Checked DLB	Job No. 223131

Sheet Contents  
FOUNDATION PLAN

Sheet No.  
**S1.01**





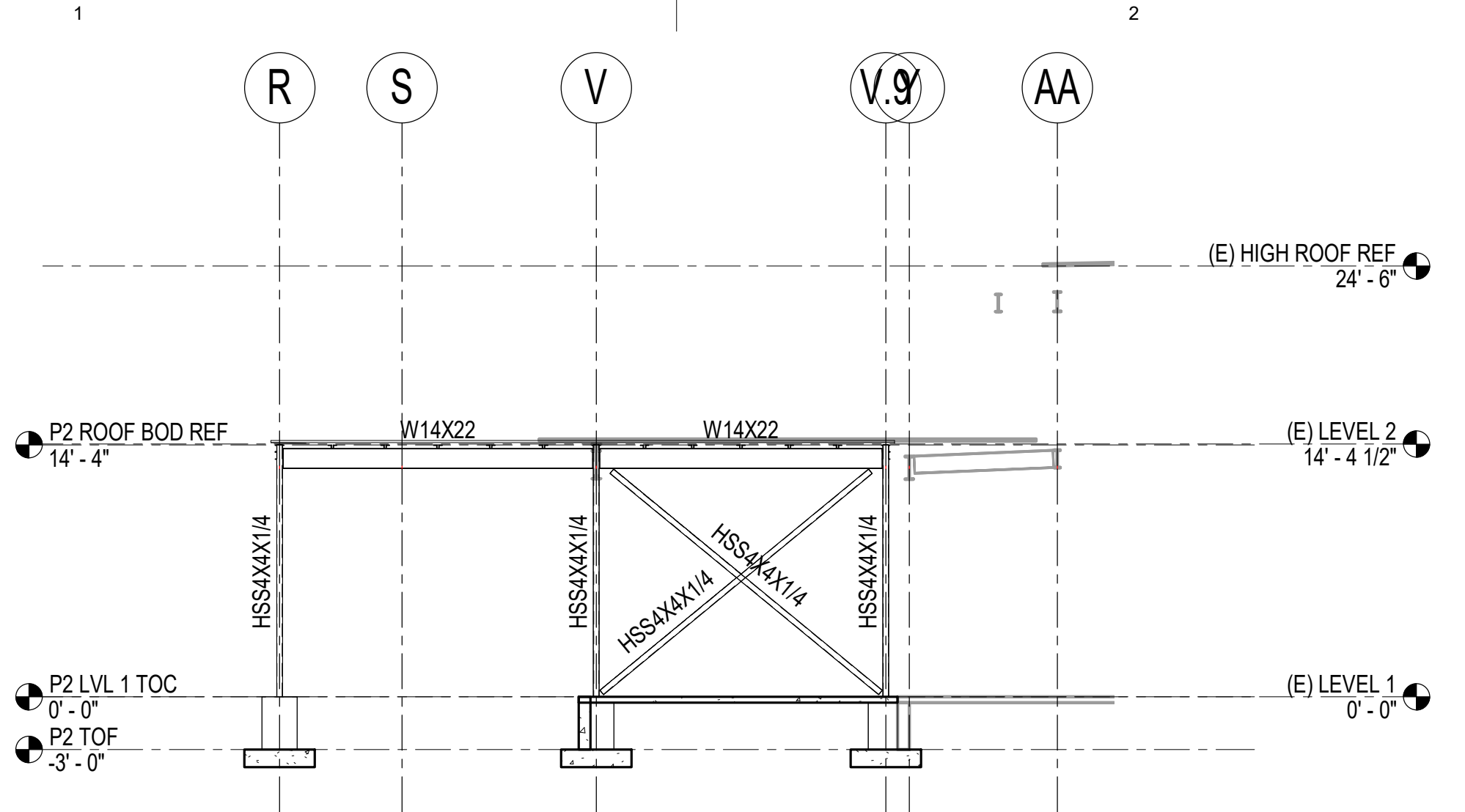
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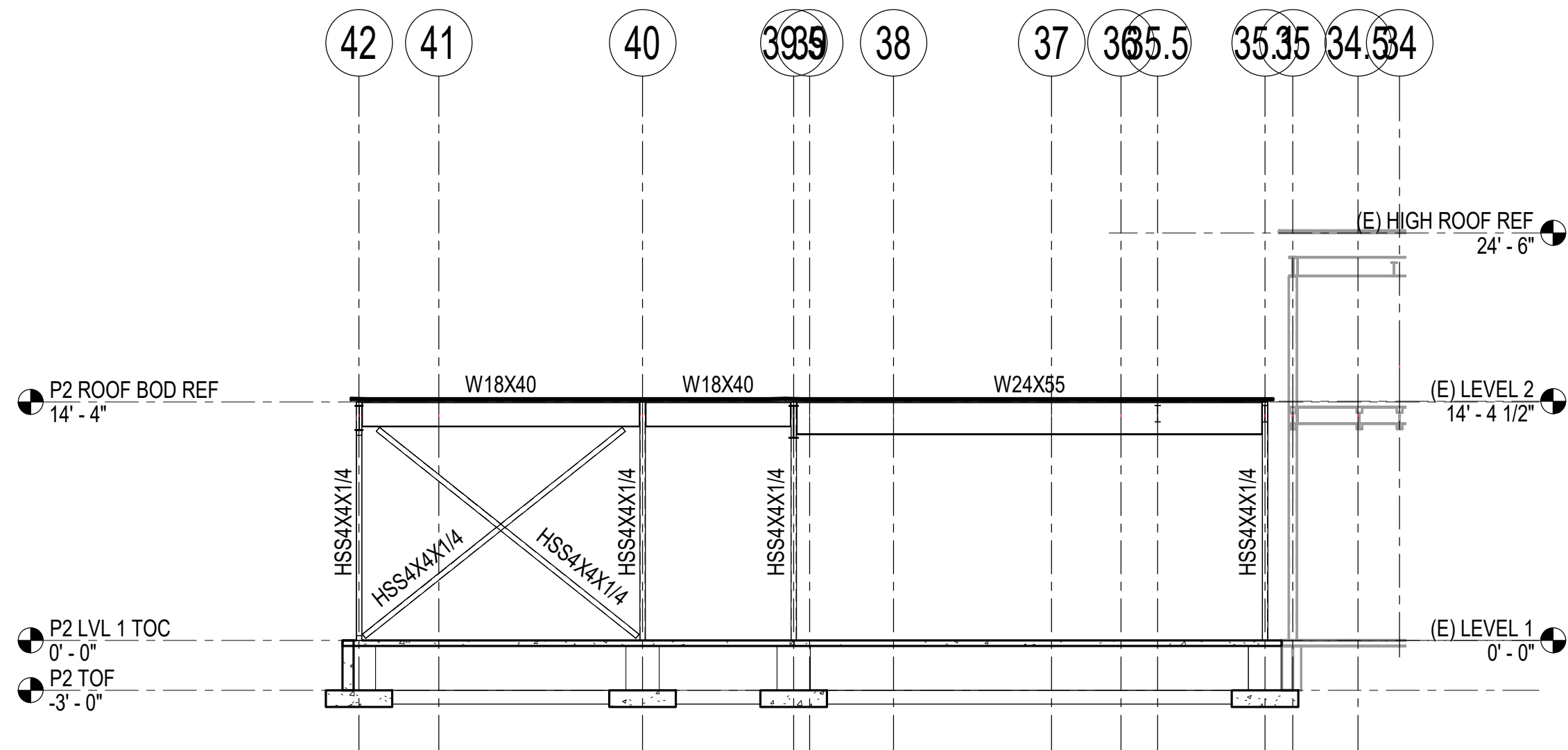
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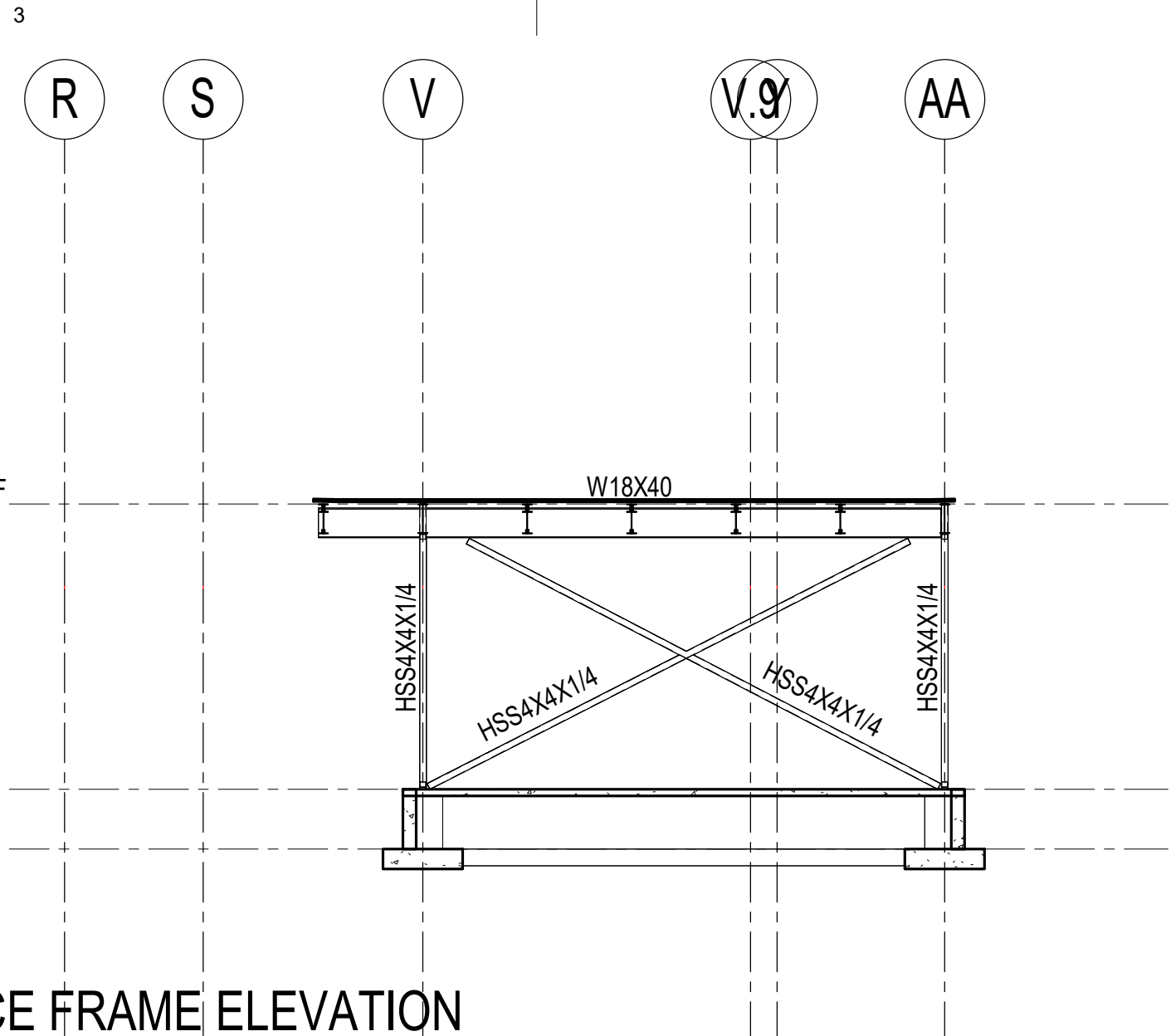
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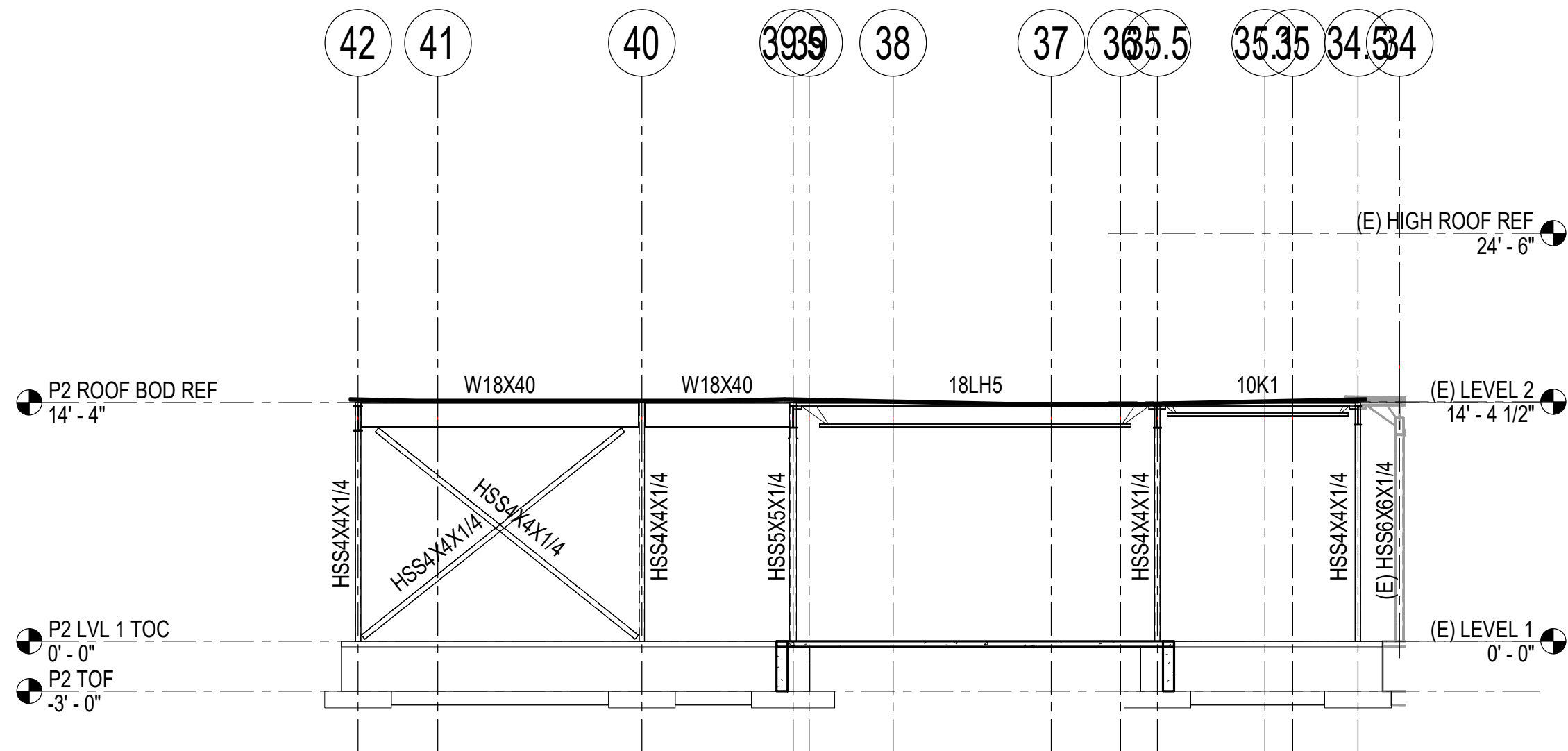
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1/8" = 1'-0"



3 GRID AA - BRACE FRAME ELEVATION  
1/8" = 1'-0"



2 GRID 42 - BRACE FRAME ELEVATION  
1/8" = 1'-0"



4 GRID V - BRACE FRAME ELEVATION  
1/8" = 1'-0"



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No.	Description	Date

Drawn by REB	Date 10/4/2024
Checked DLB	Job No. 223131

Sheet Contents  
BRACE FRAME ELEVATIONS

Sheet No.  
**S2.01**



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AIR HANDLING UNIT SCHEDULE												
SYMBOL	LOCATION	FAN SERVICE	SCFM	EXT / INT SP (IN WC)	FAN				MOTOR (HP,V,PH)	COIL NO	WEIGHT (LBS)	REMARKS, BASIS OF DESIGN
					SIZE (IN)	TYPE	RPM	BHP				
AHU-4	MECHANICAL ROOM	S/A	2,600	1.0 /3.90	16.5	PLENUM CLASS II	2,461	2.56	5,480.3 VSD	HC-4 CC-4	3,000	CUSTOM AIR HANDLING UNIT: 2" CABINET CONSTRUCTION, 3" BASE RAIL, UPPER SUPPLY BOX WITH OUTSIDE AIR AND RETURN AIR DAMPERS AND SECTION DRAIN, MERV 8 PREFILTER, MERV 13 FINAL FILTER, DX COOLING COIL SECTION WITH DRAIN, HEATING COIL, FAN SECTION, DISCHARGE PLENUM,LOWER RETURN TUNNEL: INLET PLENUM, FAN SECTION DISCHARGE PLENUM AND EXHAUST DAMPER. PROVIDE EBTRON OUTSIDE AIR MEASURING STATION AT OSA INTAKE DUCT. OVERALL UNIT DIMENSIONS: 47W X 84H X 133L. SEISMIC IMPORTANCE FACTOR (ip) = 1.5. YORK XTI-42X39
		R/A	2,400	0.5 / 1.5	16.5	PLENUM CLASS II	1,784	0.97	1.5,480.3 VSD			

INDOOR AIR QUALITY DOCUMENTATION	
THE VENTILATION SYSTEMS FOR THIS FACILITY WERE DESIGNED IN ACCORDANCE WITH ASHRAE STANDARD 62.1-2021 AND 170-2021, BASED ON THE FOLLOWING ASSUMPTIONS:	
20	NORMAL LONG TERM CARE POPULATION AND STAFF
700	AHU-4 MINIMUM OUTSIDE AIR CFM FOR INDOOR AIR QUALITY AND BUILDING PRESSURIZATION
0	OUTSIDE WINTER DESIGN TEMPERATURE (DEGREES F)
ASSUMPTION: OUTSIDE AIR MEETS NATIONAL PRIMARY AMBIENT AIR QUALITY STANDARDS SET BY THE U.S. EPA. ASSUMPTION: SOURCES OF IAQ CONTAMINATION ARE LIMITED TO NORMAL BUILDING FURNISHINGS, MATERIALS AND SURFACE COATINGS, AND HUMAN BIO-EFFLUENTS ASSOCIATED WITH ORDINARY HUMAN ACTIVITIES.	

HEATING COIL SCHEDULE												
SYMBOL	LOCATION	MBH	SCFM	AIR TEMP (IN/OUT)	SIZE WIDTH X HT (INCHES)	MAX VEL (FPM)	MAX APD (INCH WC)	FLUID	GPM	FLUID TEMP IN/OUT (DEGREES F)	MAX WPD (FEET)	REMARKS BASIS OF DESIGN
HC-4	AHU-4	60.0	2,600	49/70	29 X 30.25	430	0.10	50% PG	4.5	160/130	1.0	HEATING COIL: 1 ROWS, 8 FPI. BY AHU MANUFACTURER.

CHILLED WATER COOLING COIL SCHEDULE													
SYMBOL	LOCATION	MBH (SENSIBLE)	SCFM	AIR TEMP (IN)	AIR TEMP (OUT)	SIZE WIDTH X HT (INCHES)	MAX VEL (FPM)	MAX APD (INCH WC)	FLUID	GPM	FLUID TEMP IN/OUT (DEGREES F)	MAX WPD (FEET)	REMARKS BASIS OF DESIGN
CC-4	AHU-4	45.0	2,600	70.7/56.5	55/50	29 X 30.25	450	0.35	50% PG	10.1	44/54	8.0	COOLING COIL: 4 ROWS, 9 FPI BY AHU MANUFACTURER.

TERMINAL HEATING UNIT SCHEDULE									
SYMBOL	LOCATION	OUTPUT (MBH)	FLUID	FLOW (GPM)	MAX WPD (FEET)	FLUID TEMP IN/OUT (DEGREES F)	MOTOR (HP,V,PH)	WEIGHT (LBS)	REMARKS, BASIS OF DESIGN
CUH-1	VESTIBULE	59.5	WATER	6.2	1.4	180/165	2/5,120,1	170	RECESSED WALL MOUNTED CABINET UNIT HEATER: 2-ROW COIL, 2 FAN SPEED (835 CFM HIGH SPEED), INTEGRAL DISCHARGE AND INTAKE GRILLES, FLAT FILTER, KEYLOCK ACCESS DOORS, TAMPER PROOF FASTENERS. ARRANGMENT 98. MODINE CW 008.
UH-1	MECHANICAL ROOM	49.8	WATER	5.2	1.0	180/160	1/8,120,1	50	HORIZONTAL UNIT HEATER: 1340 CFM, AIR DEFLECTORS, SAFETY GUARD. MODINE HC-86.
FT-1	ACTIVITY OFFICE/SUPPLIES	600 BTU/LF	WATER	-	-	180/160	-	-	FINTUBE BASEBOARD: SINGLE TIER, 3/4" CU TUBE, 3-1/4" SQUARE ALUM FIN, 32 FPF, WALL MOUNTED FLAT-TOP ENCLOSURE, 14 GA STEEL, 18.5" MOUNTING HEIGHT. STERLING CLASSIC JVA-AR-14.

AIR COOLED CHILLER SCHEDULE						
SYMBOL	LOCATION	MOTOR (HP,V,PH)	CAPACITY (MBH)	FLUID	WEIGHT (LBS)	REMARKS, BASIS OF DESIGN
ACC-4	ROOF	480V,3PH 10.4 kW MCA: 24A MOCP: 30A	120.3	R-454B	1,100	AIR-COOLED MODULE CHILLER: 50% PG FLUID. 44/54 EFT/LFT AT 26.5 GPM COOLING CAPACITY AT 74 DEG F. SUCTION TEMP: 45 DEG F. PROVIDE ALUMINUM WIND/SNOW PREVENTION DUCTS. PROVIDE RESTRAINED SPRING VIBRATION ISOLATION FRAME UNDER UNIT. SEISMIC IMPORTANCE FACTOR (Ip) = 1.0. SAMSUNG MODEL AG010DSVAJG/AA

FAN SCHEDULE								
SYMBOL	LOCATION	USE	SCFM	SP (INCH WC)	FAN RPM	MOTOR (HP,V,PH)	WEIGHT (LBS)	REMARKS BASIS OF DESIGN
SF-1	MECHANICAL ROOM	COOLING	600	1.25 ESP 1.5 TSP	3,500	1/2,120,1	100	SUPPLY FAN: DIRECT DRIVE. SHOP FABRICATED MIXING BOX WITH OUTSIDE AIR AND RETURN AIR DAMPERS, MERV8 FLAT FILTER, SUPPLY FAN AND DISCHARGE PLENUM. GREENHECK SQ-7-M1

VAV TERMINAL UNIT SCHEDULE												
VAV--NUMBER	SERVES	AHU	MIN CFM	MAX HEAT. CFM	MAX COOL. CFM	EAT (DEG F)	LAT (DEG F)	MAX APD (INCH WC)	COIL MBH (1)	COIL ROWS	COIL GPM (2)	BOX SIZE (3)
T-101	DAYROOM	AHU-4	1,000	1,200	1,200	55	91	0.30	47.0	2	2.50	12
T-102	CRC NURSE OFFICE	AHU-4	330	500	500	55	91	0.30	19.6	2	1.00	8
T-103	CORRIDOR	AHU-4	200	400	400	55	86	0.30	13.3	2	0.55	8
NOTES: (1) SUBMITTALS SHALL INDICATE HEATING CAPACITY AT HEATING CFM (2) FLUID IS WATER. EFT= 180 DEG F. (3) BASIS OF DESIGN: TITUS DESV. STERILOC LINER. SOUND LINED DISCHARGE PLENUM.												

LOUVER/HOOD SCHEDULE								
SYMBOL	UNIT AND USAGE	SCFM	SIZE WIDTH X HT (INCHES)	MIN FREE AREA (SF)	MAX FREE AREA VEL (FPM)	MAX APD (IN WC)	WEIGHT (LBS)	REMARKS, BASIS OF DESIGN
HD-1	AHU-4 OSA INTAKE	2,600	46 X 51 OVERALL  26 X 26 THROAT	5.0	550	0.10	150	GRAVITY INTAKE HOOD: LOW PROFILE, HEAVY GAUGE GALVANNEALED STEEL, PERMATECTOR COATING, WITH BIRDSCREEN AND MIN 24" ABOVE ROOF. GREENHECK FABRAHOOD MODEL FGI.
LV-1	AHU-4 RELIEF	2,400	36 X 30	7.5	700	0.10	50	LOUVER: 6" THICK EXTRUDED ALUMINUM, 37.5 DEG. DRAINABLE BLADES WITH BIRD SCREEN, AMCA RATED FOR WATER AND AIR. RUSKIN ELF6375DX.
LV-2	SF-1 OSA INTAKE	600	24 X 18	1.3	470	0.04	30	LOUVER: 6" THICK EXTRUDED ALUMINUM, 37.5 DEG. DRAINABLE BLADES WITH BIRD SCREEN, AMCA RATED FOR WATER AND AIR. RUSKIN ELF6375DX.
LV-3	SF-1 RELIEF	600	24 X 24	1.9	325	0.02	30	LOUVER: 6" THICK EXTRUDED ALUMINUM, 37.5 DEG. DRAINABLE BLADES WITH BIRD SCREEN, AMCA RATED FOR WATER AND AIR. RUSKIN ELF6375DX.

PLUMBING FIXTURE CONNECTION SCHEDULE							
SYMBOL	FIXTURE	WASTE (INCH)	VENT (INCH)	HW (INCH)	CW (INCH)	POWER	REMARKS, BASIS OF DESIGN
DS-1	DOWN SPOUT NOZZLE	3	-	-	-	-	WALL MOUNTED OVERFLOW DOWN SPOUT NOZZLE. ZURN Z199.
FD-1	FLOOR DRAIN	2	1-1/2	-	-	-	CAST IRON BODY WITH ADJUSTABLE POLISHED NICKEL BRONZE TOP, TRAP PRIMER CONNECTION, VANDAL PROOF SCREWS, SQUARE TOP, NO-HUB OUTLET. JR SMITH
RD-1	ROOF DRAIN	3	-	-	-	-	COATED CAST IRON BODY WITH COMBINED FLASHING CLAMP AND GRAVEL STOP, DECK PLATE, ALUMINUM DOME, NO-HUB OUTLET. ZURN Z100-DP.
RD-2	OVERFLOW ROOF DRAIN	3	-	-	-	-	COATED CAST IRON BODY WITH COMBINED FLASHING CLAMP AND GRAVEL STOP, DECK PLATE, ALUMINUM DOME, NO-HUB OUTLET, 2" EXTERNAL WATER DAM. ZURN Z100-DP.
S-1	MEDICAL HANDWASH SINK	1-1/2	1-1/2	1/2	1/2	-	WALL MOUNTED VITREOUS CHINA BOWL, GOOSENECK FAUCET WITH MANUAL 4" WRIST BLADE HANDLES, ASSE 1070 THERMOSTATIC MIXING VALVE, ADA COMPLIANT.
S-2	BREAK ROOM SINK	1-1/2	1-1/2	1/2	1/2	-	STAINLESS STEEL, SINGLE BOWL, 6-1/2" DEPTH, GOOSENECK FAUCET WITH 4" WRIST BLADE HANDLES, ASSE 1070 THERMOSTATIC MIXING VALVE, ADA COMPLIANT.
TP-1	ELECTRONIC TRAP PRIMER	-	-	-	1/2	120V	ELECTRONIC PRIMER VALVE WITH VACUUM BREAKER, PORTS, DISTRIBUTION UNIT, INTERNAL BACKFLOW PROTECTION. PRECISION PLUMBING PRODUCTS.
HB-1	EXTERIOR HOSE BIBB	-	-	-	1/2	-	FREEZE PROOF, AUTOMATIC DRAINING, INTEGRAL VACUUM BREAKER, FLUSH MOUNTED, KEY OPERATED DOOR. ANODIZED ALUMINUM FINISH.
HB-2	INTERIOR HOSE BIBB	-	-	-	1/2	-	BRASS, WITH VACUUM BREAKER, WHEEL OPERATING KEY HANDLE.

MISCELLANEOUS EQUIPMENT SCHEDULE				
SYMBOL	LOCATION	MOTOR (HP,V,PH)	WEIGHT (LBS)	REMARKS, BASIS OF DESIGN
BT-1	MECHANICAL ROOM	-	550	CHILLED WATER SYTEM BUFFER TANK:125 PSI PRESSURE RATING. 2" PIPE CONNECTIONS. PROVIDE TANK INSULATION BY MANUFACTURER. WESSELS CBT-60-2F.
ET-H1	MECHANICAL ROOM	-	50 (FULL)	EXPANSION TANK: ASME STAMPED. 3.2 GALLONS ACCEPTANCE VOLUME. PRECHARGE 15 PSI. AMTROL AX-10-DD.
ET-C1	MECHANICAL ROOM	-	200 (FULL)	EXPANSION TANK: ASME STAMPED. 11.3 GALLONS ACCEPTANCE VOLUME. PRECHARGE 15 PSI. AMTROL AX-20V-DD.
HX-1	MECHANICAL ROOM	-	20	BRAZED PLATE HEAT EXCHANGER: 60 MBH HEAT TRANSFER CAPACITY. HOT SIDE: WATER; EFT 180 DEG F, LFT 150 DEG F. 4.1 GPM AT 1.0 MAX PSI PRESSURE DROP. COLD SIDE: 50% PG; EFT:130 DEG F, LFT 160 DEG F. 4.4 GPM AT 1.5 PSI MAX PRESSURE DROP. PROVIDE FIELD FABRICATED SUPPORT STAND. B&G BP405-30.
SP-1	MECHANICAL ROOM	3/10,120,1	275 (FULL)	PACKAGED, PREASSEMBLED SIMPLEX SUMP PUMP SYSTEM: UL LISTED CAST IRON PUMP WITH NON-CLOGGING VORTEX IMPELLER. INTEGRAL MECHANICAL FLOAT SWITCH, 18" DIAM X 22" HIGH PLASTIC BASIN. 19 GPM AT 15 FT HEAD. ZOELLER MODEL 900-0002 WITH M53 PUMP.

PUMP SCHEDULE								
SYMBOL	LOCATION	SERVICE	FLUID	TEMP. (DEG F)	GPM	HEAD (FEET)	MOTOR (HP,V,PH)	REMARKS, BASIS OF DESIGN
PMP-H1	MECHANICAL ROOM	GLYCOL CIRC	50% PG	160	5	25	1/8,120,1	CARTRIDGE CIRCULATOR: CAST IRON 1-1/4" PIPE CONNECTIONS. TACO ILO011
PMP-C1	MECHANICAL ROOM	GLYCOL CIRC	50% PG	50	25	50	1.5,208,1	CIRCULATION PUMP: CAST IRON 1760 RPM. 7.19" IMPELLER. TACO MODEL 1919




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Revisions		
No.	Description	Date

Drawn by DNS	Date 10/04/2024
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Sheet Contents SCHEDULES
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Sheet No.

M0.02



D			
C			
B			
A			

SPECIFICATIONS			
<p><u>MECHANICAL GENERAL REQUIREMENTS</u></p> <p>THESE DRAWINGS DESCRIBE AND PROVIDE FOR THE FURNISHING, INSTALLING, TESTING AND PLACING IN SATISFACTORY AND FULLY OPERATIONAL CONDITION EQUIPMENT, MATERIALS, DEVICES, AND NECESSARY APPURTENANCES TO PROVIDE FOR A COMPLETE FUEL OIL SYSTEM, TOGETHER WITH SUCH OTHER MISCELLANEOUS INSTALLATIONS AND EQUIPMENT.</p> <p>WORK SHALL INCLUDE MATERIALS, APPLIANCES, AND APPARATUS NOT SPECIFICALLY MENTIONED OR SHOWN ON THE DRAWINGS, BUT WHICH ARE NECESSARY TO MAKE A COMPLETE, OPERATIONAL INSTALLATION OF MECHANICAL SYSTEMS SHOWN ON THE DRAWINGS OR DESCRIBED.</p> <p>PORTIONS OF THE DRAWINGS ARE PARTLY DIAGRAMMATIC AND DO NOT SHOW EXACT LOCATIONS OR OFFSETS AND FITTINGS REQUIRED TO INSTALL THE WORK. PROVIDE FITTINGS, OFFSETS, AND ACCESSORIES AS REQUIRED TO INSTALL THE WORK. PROVIDE SYSTEMS COMPLETE AND IN PROPER OPERATING CONDITION. WHERE THE WORK OF SEVERAL CRAFTS ARE INVOLVED, COORDINATE RELATED WORK TO PROVIDE EACH SYSTEM IN COMPLETE AND PROPER OPERATING ORDER.</p> <p>OBTAIN AND PAY FOR LICENSES, PERMITS, AND INSPECTIONS REQUIRED BY LAWS, ORDINANCES, AND RULES GOVERNING THE WORK. ARRANGE FOR INSPECTION OF WORK BY INSPECTORS.</p> <p>THE AUTHORITY HAVING JURISDICTION (AHJ) IS THE CITY OF VALDEZ. COMPLY WITH APPLICABLE CODES, ORDINANCES, AND REGULATIONS AS ADOPTED BY THE AHJ INCLUDING LOCAL AMENDMENTS, AS MINIMUM CRITERIA, TO INCLUDE:</p> <p>1. 2021 INTERNATIONAL BUILDING CODE 2. 2021 INTERNATIONAL FIRE CODE 3. 2021 INTERNATIONAL MECHANICAL CODE 4. 2018 UNIFORM PLUMBING CODE 5. 2020 NEC 6. 2019 NFPA 13 7. 2022 FACILITIES GUIDELINES INSTITUTE (FGI) – GUIDELINES FOR DESIGN AND CONSTRUCTION OF HEALTH CARE FACILITIES 8. 2012 NFPA 101 9. 2015 NFPA 99 10. 2021 ASHRAE 170 – VENTILATION OF HEALTH CARE FACILITIES</p> <p>EXCEPT IN CASES WHERE STATUTES GOVERN FOLLOW THE RECOMMENDED PRACTICES OF ASME, NFPA, AND OSHA AS THEY APPLY TO THIS PROJECT.</p> <p>ARRANGE WORK TO PROVIDE WORKABLE ACCESS TO SERVICEABLE OR OPERABLE EQUIPMENT. LOCATION OF VALVES, TRAPS, STRAINERS, MOTORS, DAMPER OPERATORS, ETC., SHALL BE EASILY ACCESSIBLE BY A PERSON STANDING ON THE FLOOR.</p> <p>FIELD COORDINATE EXACT LOCATIONS AND SIZES OF EQUIPMENT, DUCTS, PIPES, AND CONTROLS WITH EXISTING AND NEW WORK, INCLUDING CONSTRUCTION PHASING, STRUCTURAL ELEMENTS, AND ARCHITECTURAL REQUIREMENTS.</p> <p>UNLESS DIRECTED OTHERWISE, PRODUCTS SHALL BE NEW, UNUSED, AND UNDAMAGED, OF STANDARD MANUFACTURE, OF LATEST DESIGN AND QUALITY, AND SUITABLE FOR THE PARTICULAR INSTALLATION. FURNISH AND INSTALL EQUIPMENT IN ACCORDANCE WITH APPLICABLE CODES, LISTINGS, AND MANUFACTURERS INSTRUCTIONS.</p> <p>INSTALL EQUIPMENT, MATERIALS, APPLIANCES, AND APPARATUS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.</p> <p>PRODUCTS SHALL BE ASBESTOS AND LEAD FREE. FIXTURES, FITTINGS, VALVES, EQUIPMENT, ASSEMBLIES, AND DEVICES SHALL BE LISTED FOR THE INTENDED SERVICE: IAPMO, FM, UL, OR OTHER NRTL.</p> <p>PENETRATIONS THROUGH BUILDING EXTERIOR WALLS, FLOORS, AND ROOFS SHALL BE WATERTIGHT AND WEATHER-TIGHT. WALL, FLOOR, AND CEILING PENETRATIONS SHALL BE SLEEVED. PENETRATIONS THROUGH FIRE RATED CONSTRUCTION SHALL BE UL LISTED FIRE STOP ASSEMBLIES. PENETRATIONS THROUGH SMOKE BARRIERS SHALL BE SMOKE TIGHT. PROVIDE ACOUSTICAL SEALANT ON BOTH SIDES FOR OTHER PENETRATIONS.</p> <p>REMOVE EXPOSED ABANDONED OR INDICATED FOR DEMOLITION CONTROLS, EQUIPMENT, PIPES, AND DUCT. REMOVE UNUSED, CONCEALED PIPES TO ABOVE CEILING SPACE. PROVIDE BRANCH ISOLATION VALVES AND CAP AT MAINS. REMOVE CONDUCTORS, CONDUIT, BRACKETS, STEMS, HANGERS, AND OTHER ACCESSORIES. REMOVE ABANDONED CONTROLS AND ASSOCIATED WIRING &amp; CONDUIT TO SOURCE OF SIGNAL AND SUPPLY.</p> <p>PLUG, PATCH, AND REPAIR PENETRATIONS AND SURFACES. REFINISH SURFACES AND ASSEMBLY RATINGS TO MATCH EXISTING. REPAIR OR REPLACE DAMAGED SURFACES, CEILING TILES, INSULATION, AND FIREPROOFING. SEAL ROOM PENETRATIONS TO MAINTAIN ROOM PRESSURE RELATIONSHIPS TO ADJACENT SPACES.</p> <p>PROVIDE SUBMITTALS FOR REVIEW AND OBTAIN OWNER'S APPROVAL OF PRODUCTS PRIOR TO ORDERING OR INSTALLING ANY PART OF SYSTEM. DEFERRED SUBMITTALS SHALL BE APPROVED BY AHJ. COLORS SHALL BE APPROVED BY THE OWNER.</p> <p>SUBMITTALS, INCLUDING O &amp; M MANUALS, SHALL BE SUBMITTED IN 3-RING BINDER, REFERENCED TO CONTRACT DOCUMENTS. REVIEWED AND STAMPED BY CONTRACTOR, CLEARLY AND PROPERLY IDENTIFIED AND SUBSTITUTIONS SHALL BE ANNOTATED TO DEMONSTRATE THAT THEY MEET OR EXCEED SPECIFIED ITEMS. PROVIDE ELECTRONIC, PDF, FILES WITH BOOKMARKS SEPARATING EQUIPMENT, SYSTEMS, AND SHOP DRAWINGS WITH EVERY SUBMITTAL.</p> <p>FURNISH INSTALLATION AND OPERATING AND MAINTENANCE MANUALS FOR EQUIPMENT. PROVIDE INFORMATION NEEDED TO OPERATE AND MAINTAIN THE EQUIPMENT INCLUDING CHANGES TO THE CONTROL SYSTEM. IN ADDITION TO ELECTRONIC SUBMITTAL BIND FINAL MANUALS IN HARD BACKED, 3-RING LOOSE-LEAF BINDER. OBTAIN FACILITY'S EQUIPMENT TAG NUMBERS AND INCORPORATE INTO MANUALS AND AS-BUILTS. MANUALS SHALL INCLUDE MAINTENANCE INSTRUCTIONS, MANUFACTURER'S BROCHURES, CUT SHEETS, SHOP DRAWINGS, CONTROLS, AND EQUIPMENT DIRECTORIES.</p> <p>CONTINUALLY RECORD THE ACTUAL MECHANICAL SYSTEM(S) INSTALLATION ON A FULL SIZE SET OF PRINTS KEPT READILY AVAILABLE AT THE PROJECT DURING CONSTRUCTION. AT THE END OF THE PROJECT SUBMIT COMPLETED RECORD DRAWINGS SHOWING AS-BUILT CONDITIONS FOR NEW AND EXISTING MECHANICAL SYSTEMS IN THE AREA OF THE PROJECT WORK.</p> <p>COORDINATE SERVICE DISRUPTION PERIODS WITH THE OWNER AND OBTAIN SPECIFIC AGREEMENT, BY THE OWNER, OF TIMES AND DURATION OF SYSTEM SHUT DOWN PERIODS, BEFORE STARTING SYSTEM WORK.</p> <p>COORDINATE WITH FACILITY'S INFECTION CONTROL FOR CONSTRUCTION AND RENOVATION REQUIREMENTS AND ACCESS PERMITS. WORK IN AND AROUND THE OWNER'S CLINICAL AREAS SHALL BE CONDUCTED SUCH THAT A DUST-FREE ENVIRONMENT IS MAINTAINED IN ADJACENT CLINICAL AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ISOLATION AND CONSTRUCTION ACTIVITIES TO ENSURE THAT AIR FLOW FROM THE CONSTRUCTION WORKSPACE TO CLINICAL AREAS IS PREVENTED.</p>			
<p>ITEMS REQUIRING RELOCATION OR TEMPORARILY SUPPORTED DURING DEMOLITION OR NEW WORK SHALL BE MAINTAINED AND RE-INSTALLED TO MAINTAIN THEIR LISTING, SERVICEABILITY, AND FUNCTION. VERIFY THAT EQUIPMENT AND SYSTEMS ARE FULLY OPERATIONAL UPON COMPLETION OF WORK.</p> <p><u>MECHANICAL BASIC MATERIALS AND METHODS</u></p> <p>IDENTIFICATION: PROVIDE MECHANICAL IDENTIFICATION CONSISTING OF LABELS, TAGS, AND FLOW ARROWS FOR DUCTS, PIPES, VALVES, AND EQUIPMENT INSTALLED UNDER THIS CONTRACT. IN NON-PUBLIC AREAS PLACE ID AT WALLS, FLOORS, DIRECTION CHANGE, AND 20' INTERVALS ALONG STRAIGHT RUNS.</p> <p>HANGERS AND SUPPORTS: PIPE HANGERS AND SUPPORTS SHALL BE IN ACCORDANCE WITH MSS SP58-2018 PIPE HANGERS AND SUPPORTS, SP-127-2014- BRACING FOR PIPING SYSTEMS, AND ASCE 7-16 – MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES. SPACING AND ADDITIONAL CRITERIA SHALL BE PER APPLICABLE CODES AND ASME B31.9 BUILDING SERVICES PIPING.</p> <p>SUPPORT, BRACE, AND ANCHOR PIPES, EQUIPMENT, AND DEVICES TO BUILDING STRUCTURE TO RESIST GRAVITY, OPERATIONAL, AND VIBRATION FORCES. COORDINATE WITH SEISMIC RESTRAINTS.</p> <p>SUPPORT PIPING ON ROOF WITH PRE-MANUFACTURED RUBBER PIPE SUPPORTS "SLEEPERS" WITH GALVANIZED "C" CHANNEL/PIPE CLAMP. MIFAB, MODEL C-PORT (C10), COORDINATE WITH ARCHITECTURAL REQUIREMENTS.</p> <p>PROVIDE SEISMIC JOINT FLEXIBLE LOOPS WHERE CONDUITS, CONDUCTORS, PIPES, OR DUCTS CROSS BUILDING SEISMIC JOINTS.</p> <p><u>SEISMIC RESTRAINT:</u></p> <p>PROVIDE SEISMIC DESIGN, ANCHORS, AND RESTRAINT DEVICES TO RESIST LOADS PER ASCE 7-2016- MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES. PROVIDE SEISMIC RESTRAINT AND ANCHORING CALCULATIONS STAMPED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF ALASKA. COORDINATE WITH STRUCTURAL REQUIREMENTS TO ENSURE ATTACHMENT POINTS CAN ACCOMMODATE FORCES. COORDINATE WITH SPECIAL INSPECTIONS REQUIREMENTS.</p> <p><u>MECHANICAL INSULATION</u></p> <p>INSULATION INSTALLATION SHALL BE VAPOR TIGHT. INSULATION PRODUCTS SHALL MEET OR BE LOWER THAN FLAME SPREAD 25, FUEL CONTRIBUTED 50, AND SMOKE DEVELOPED 50 PER ASTM E84.</p> <p>COORDINATE INSULATION AT FIRE RATED WALL PENETRATIONS TO COMPLY WITH SELECTED, UL LISTED, FIRESTOPPING SYSTEMS.</p> <p>INSULATION SHALL PASS CONTINUOUSLY THROUGH NON-FIRE RATED WALLS. INSULATE DOMESTIC WATER, CHILLED WATER, REFRIGERANT, RAIN LEADERS, AND OTHER EXTERIOR MOISTURE CONDENSING LINES, EQUIPMENT, VALVES, AND FITTINGS WITH VAPOR TIGHT INSULATION.</p> <p>DOMESTIC COLD WATER PIPING: PIPE INSULATION SHALL BE MINIMUM 1" THICK PREFORMED FIBERGLASS TYPE WITH ALL SERVICE JACKET, 4 LBS/CF DENSITY, MINUS 20°F TO 850°F OPERATING TEMPERATURE RANGE, THERMAL CONDUCTIVITY K=0.23 AT 75°F MEAN TEMPERATURE AND HAVING A FACTORY APPLIED FLAME RETARDANT VAPOR BARRIER JACKET WITH PERMEABILITY RATING = 0.02 PERMS.</p> <p>HYDRONIC PIPING: PROVIDE 1.5 INCH THICK FIBERGLASS INSULATION WITH ASJ FOR PIPE SIZES UP TO 1-1/4 INCHES IN DIAMETER AND 2 INCHES FOR 1-1/2 INCHES IN DIAMETER AND LARGER. PROVIDE MIN THERMAL CONDUCTIVITY (K) OF 0.25. INSULATE FITTINGS AND PROVIDE FITTING COVERS. INSULATE VALVES WITH REMOVABLE FLEXIBLE VALVE WRAPS; NO SWEAT VALVE WRAPS OR EQUAL. EXTERIOR PIPING SHALL HAVE ALUMINUM JACKET WITH MINIMUM 1" OVERLAPPING WATERTIGHT SEALS INSTALLED TO SHED WATER AND ALUMINUM OR SS STRAPS.</p> <p>RAINLEADER PIPING: PROVIDE 1.0 INCH THICK FIBERGLASS INSULATION FOR PIPE SIZES UP TO 1-1/2 INCH IN DIAMETER, AND 1.5 INCH THICK INSULATION FOR LARGER PIPE SIZES. PROVIDE PRE-MOLDED PVC FITTING COVERS AT FITTINGS, FLANGES, VALVES AND MECHANICAL PIPE COUPLINGS. ZESTON OR EQUAL. INSULATION SHALL BE VAPOR TIGHT.</p> <p>DUCTWORK: INSULATE OUTSIDE AIR AND EXHAUST AIR DUCTWORK FROM EXTERIOR WALL TO FAN WITH 1.5" THICK FIBERGLASS INSULATION WITH FSK JACKET. INSULATE SUPPLY AIR DUCTWORK UPSTREAM OF VAV BOX AND EXHAUST AIR DUCTWORK FROM FAN TO MOTORIZED DAMPER WITH 1.5" THICK FIBERGLASS INSULATION WITH FSK JACKET.</p> <p><u>MECHANICAL COMMISSIONING</u></p> <p>PROVIDE PERSONNEL, FIELD AND TESTING EQUIPMENT, AND ADDITIONAL SERVICES FOR COMMISSIONING OF MECHANICAL SYSTEMS. SCHEDULING OF COMMISSIONING ACTIVITIES SHALL BE COORDINATED WITH OWNER AND ENGINEER.</p> <p>TAB AGENCY SHALL PROVIDE OFFICE AND FIELD SERVICES FOR COMMISSIONING ACTIVITIES, WHICH INCLUDE VERIFICATION OF TAB INFORMATION, TESTING, ADJUSTING, AND SEQUENCING OF EQUIPMENT, AND REVISIONS TO OPERATING CONDITIONS. TAB AGENCY SHALL RECORD CHANGES AND SUBMIT POST COMMISSIONING TAB REPORT.</p> <p>PROVIDE OFFICE AND FIELD SERVICES FOR COMMISSIONING ACTIVITIES, WHICH INCLUDE BUT NOT LIMITED TO THE FOLLOWING: 1) VERIFICATION OF EQUIPMENT AND SYSTEMS INSTALL PER CONTRACT DOCUMENTS AND MANUFACTURER'S RECOMMENDATIONS, 2) CLEANING, TESTING, AND STARTUP REPORTS, 3) AHJ AND SPECIAL INSPECTION REPORTS, 4) OPERATIONS VERIFICATION AND TRENDING OF SYSTEMS PER APPROVED CONTROL SYSTEM SUBMITTALS, 5) TESTING, ADJUSTING, AND SEQUENCING OF EQUIPMENT, 6) RED LINES OF INSTALLATION AND ANNOTATIONS OF OPERATING CONDITIONS.</p> <p>SYSTEM STARTUPS TO BE COMPLETED AND APPROVED BY CONTRACTOR BEFORE SCHEDULING OF COMMISSIONING ACTIVITIES AND SUBSTANTIAL INSPECTIONS.</p> <p><u>FIRE SUPPRESSION SYSTEMS</u></p> <p>PROVIDE SERVICES OF AN OWNER APPROVED AND QUALIFIED FIRE PROTECTION CONTRACTOR TO MODIFY AND ADD SPRINKLER HEADS TO THE EXISTING SPRINKLER SYSTEM FOR COMPLETE COVERAGE UNDER THIS CONTRACT. MATERIALS, EQUIPMENT, SPRINKLER HEADS, PIPING, AND DESIGN CRITERIA SHALL MEET AHJ, OWNER, AND INSURANCE AGENCY REQUIREMENTS.</p> <p>EXISTING FIRE PROTECTION SPRINKLER SYSTEM SHALL REMAIN ACTIVE UNTIL THE NEW FIRE PROTECTION SYSTEM IS APPROVED TO PROVIDE PROTECTION. EXISTING SYSTEM SHALL BE MODIFIED TO PROVIDE PROTECTION, REVIEWED BY ENGINEER, AND APPROVED BY OWNER AND AHJ. ALTERNATE METHODS OF PROVIDING FIRE WATCH OR OTHER AHJ APPROVED PROTECTION SHALL BE REVIEWED AND APPROVED BY THE OWNER.</p> <p>SPRINKLER SYSTEM PIPING SHALL BE STEEL; OTHER THAN SCHEDULE 40 SHALL HAVE A CORROSION RESISTANCE RATIO (CRR) EQUAL TO OR GREATER THAN 1.0. SUBMIT A STATEMENT THAT THE PIPING COMPLIES WITH NFPA 13 STANDARDS; INCLUDE THIS CRR DATA IN PRODUCT SUBMITTAL. INSTALLED SYSTEM TO HAVE A CORROSION RESISTANCE RATIO EQUAL OR GREATER THAN 1.0.</p>			
<p>DRY PIPE SYSTEMS SHALL BE SCHEDULE 40 GALVANIZED PIPE AND FITTINGS, NON WELDED, AND HAVE ISOLATION VALVE DOWNSTREAM OF DRY VALVE FOR TESTING WITHOUT FLOODING LINES. DRIP DRUMS SHALL BE INSTALLED ON EXTERIOR LINES AND POINTS FOR WATER COLLECTION. WHEN COMPRESSED NITROGEN GAS IS USED NON GALVANIZED PIPE AND FITTINGS MAY BE USED.</p> <p>IN ADDITION TO NFPA 13 CRITERIA PROVIDE SEISMIC CLEARANCE FOR SPRINKLER PIPING AND HEADS PER IBC AND ASCE-07. FLEXIBLE BRAIDED SS HOSE ASSEMBLIES FOR SPRINKLER HEADS UNLESS OTHERWISE APPROVED, VICTAULIC VICFLEX SERIES.</p> <p>PROVIDE SPRINKLER HEADS IN AREAS WHERE CEILINGS WILL BE REPLACED, UPGRADED, OR MODIFIED. SPRINKLER HEADS SHALL BE QUICK-RESPONSE TYPE FOR AREAS MODIFIED OR NEW. MATCH TYPE AND TEMPERATURE OF EXISTING SPRINKLER HEADS IN FIRE AREA. FINISH, ESCUTCHEON, AND APPEARANCE TO MATCH EXISTING.</p> <p>CONCEALED QUICK RESPONSE TYPE SPRINKLERS WITH CHROME OR WHITE COVER PLATES IN AREAS WHERE SPRINKLER HEADS WILL BE REPLACED OR NEW AREAS CONSTRUCTED. SUBMIT LOCATIONS AND COLOR OF COVER PLATE FOR ARCHITECTURAL APPROVAL.</p> <p>PROVIDE HIGH POINT MANUAL AIR RELEASE VALVES AND LOW POINT DRAINS PER NFPA 13 WITH SIGNAGE AND RISER MAINS DRAINS AND STANDPIPE DRAINS SHALL HAVE HOSE BIBB CONNECTIONS FOR MAINTENANCE DRAINAGE. DISCHARGE TEST PIPES, BACKFLOW SYSTEM DEMAND FLOW TESTS, AND SYSTEM MAIN DRAIN TO SAFE LOCATION OUTSIDE, COORDINATED WITH OWNER.</p> <p>WORK SHALL BE SCHEDULED TO MINIMIZE DISRUPTION OF FIRE SERVICE, COORDINATE WITH OWNER FOR SHUT DOWN AND MAINTAIN A FIRE WATCH WHEN SYSTEM IS INOPERABLE.</p> <p>DETERMINATION OF EXISTING BUILDING SPRINKLER COVERAGE AND CONDITIONS, INCLUDING WATER PRESSURE AND FLOW ARE THE RESPONSIBILITY OF THE CONTRACTOR. FIELD CHECK EXISTING PIPING, PROVIDE FLOW TEST, MAKE CALCULATIONS, AND PROVIDE OTHER SERVICES TO PROPERLY DESIGN OR MODIFY THE SYSTEMS, AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION AND FOR THE WORK. PROVIDE RISER PLATES AS REQUIRED BY NFPA 13.</p> <p>SUBMIT FIRE PROTECTION DRAWINGS, CALCULATIONS, AND CUT SHEETS TO ENGINEER, AND AUTHORITY HAVING JURISDICTION (AHJ), PRODUCT DATA, SHOP DRAWINGS, AND CALCULATIONS SHALL BE SUBMITTED TOGETHER FOR REVIEW; PARTIAL SUBMITTALS NOT ALLOWED.</p> <p>OBTAIN APPROVAL FROM THE OWNER, AND AHJ BEFORE STARTING INSTALLATION OF THE SYSTEM. SUBMIT CORRESPONDENCE WITH THE AHJ TO THE OWNER AND ENGINEER. DRAWINGS AND CALCULATIONS SHALL INCLUDE THE NICET CERTIFICATION AND STATE OF ALASKA PERMIT IIC NUMBERS AND SIGNATURE OR ALASKA STAMP OF A LICENSED PROFESSIONAL ENGINEER AND THE FIRE PROTECTION CONTRACTOR'S ALASKA SPECIALTY LICENSE NUMBER.</p> <p>OBTAIN APPROVAL OF THE OWNER PRIOR TO ORDERING, FABRICATING, OR INSTALLING PART OF THE SYSTEM. HEAD LOCATIONS ARE SUBJECT TO THIS REVIEW AND APPROVAL.</p> <p>APPROVED FULL SIZE AS-BUILT DRAWINGS, ELECTRONIC COPY OF AS-BUILTS IN PDF AND DWG FORMATS, AND O&amp;M MANUAL SHALL BE SUBMITTED.</p> <p><u>PLUMBING AND SPECIALTIES</u></p> <p>PLUMBING FIXTURES: AS SCHEDULED.</p> <p>PIPING, FITTINGS, VALVES, MATERIALS, AND EQUIPMENT TO BE CERTIFIED LEAD FREE PER NSF/ANSI 61 AND NSF/ANSI-372 AND INTENDED FOR POTABLE DOMESTIC WATER SERVICE.</p> <p>WATER PIPE AND FITTINGS: PP-RCT, NIRON, PIPING SYSTEM WITH MANUFACTURER'S APPROVED FITTINGS. FIXTURE CONNECTIONS: CROSS LINKED POLYETHYLENE (PEX) PIPING WITH PERFORMANCE AND DIMENSIONS MEETING ASTM F877 AND CSA B 137.5. PROPEX LEAD FREE FITTINGS. 100 PSIG RATING AT 180 DEGREES F. BASIS OF DESIGN: UPONOR AQUAPEX WHITE.</p> <p>POLYPROPYLENE (PP-R) AQUATHERM GREEN PIPING NOT ALLOWED.</p> <p>BALL VALVES: BRASS OR BRONZE BODY, 2 PIECE, FULL PORT, 600 PSIG WOG, STAINLESS STEEL BALL, TFE SEATS, -20°F TO 400 °F TEMPERATURE RANGE. MANUFACTURER: NIBCO 585-70-66 OR EQUAL.</p> <p>DWV PIPE AND FITTINGS: COPPER DWV WITH SOLDERED JOINTS ABOVE GRADE. CAST IRON WITH HEAVY DUTY HUBLESS JOINTS ABOVE GRADE OR BELOW GRADE.</p> <p>PROVIDE FIXTURES AND ACCESSORIES AS SCHEDULED WITH CARRIERS, SUPPORTS, ANGLE STOPS, AND STAINLESS STEEL FLEX CONNECTORS.</p> <p>RAINLEADER PIPING: NO-HUB CAST IRON PIPING, CISPI 301, ASA GROUP 022, WITH HEAVY DUTY NO HUB COUPLINGS, HUSKY 4000 OR EQUAL.</p> <p>ELECTRONIC TRAP PRIMER: COMPLETE UNIT WITH SOLENOID VALVE WITH INTEGRAL STAINLESS STEEL SCREEN, AIR GAP, TIMING BOX, AND RECESSED ACCESS BOX WITH COVER. 120V, 1PH ELECTRICAL INPUT. BASIS OF DESIGN: PRECISION PLUMBING PRODUCTS.</p> <p><u>HYDRONIC PIPE AND ACCESSORIES</u></p> <p>TYPE L COPPER PIPE WITH BRAZED OR SOLDER TYPE WROUGHT COPPER FITTINGS. JOINTS WITH LEAD-FREE SOLDER 2" AND UNDER AND BRAZED CONNECTIONS OVER 2" WITH WATER-SOLUBLE FLUX.</p> <p>BRAZED CONNECTIONS FOR GLYCOL SYSTEMS.</p> <p>MECHANICAL "PROGRESS" FITTINGS ACCEPTABLE WHERE NOT CONCEALED.</p> <p>TERMINAL UNIT ASSEMBLIES WITH GRISWOLD FLOW CONTROL VALVE KITS WITH STRAINER, UNIONS, MANUAL AIR VENT, TEST TEES, AND BALL TYPE CONTROL VALVE WITH LONG TECHNOLOGIES ACTUATOR.</p> <p>BALL VALVES: BRASS OR BRONZE BODY, 2 PIECE, FULL PORT, 600 PSIG WOG AND BALL TFE SEATS, -20 DEG F TO 400 DEG F TEMPERATURE RANGE. MANUFACTURER: NIBCO 585-70-66 OR EQUAL.</p> <p><u>PUMPS</u></p> <p>PERFORMANCE AS SCHEDULED.</p> <p><u>AIR COOLED CHILLER</u></p> <p>PERFORMANCE AS SCHEDULED.</p>			
<p><u>TERMINAL HEATING UNITS</u></p> <p>PERFORMANCE AS SCHEDULED.</p> <p><u>DUCTS AND ACCESSORIES</u></p> <p>DUCTWORK SHALL BE PER SMACNA DUCT CONSTRUCTION STANDARDS, MEDIUM PRESSURE , 6 IN WC, +/- ., CLASS UPSTREAM OF TERMINAL UNITS AND LOW PRESSURE 2 IN WC +/-, DOWN STREAM OF TERMINAL UNITS, G-90 COATING, ALL SEALS CLASS A, MINIMUM 26 GAUGE, AS MINIMUM CRITERIA. FITTINGS SHALL BE LOW LOSS TYPE.</p> <p>FLEX DUCT SHALL BE CLASS 1 FLEXIBLE AIR DUCT, UL LISTED AND COMPLYING WITH NFPA 90A AND 90B, THERMAFLEX TYPE G-KM.</p> <p>VAV AND CV BOX INLET DUCT SIZES SHALL BE THE SAME SIZE AS THE TERMINAL INLET COLLAR, UNLESS NOTED OTHERWISE. VAV BOXES SHALL HAVE ACCESS PANEL UPSTREAM OF REHEAT COIL AND AT PLENUM. VAV BOX BASIS OF DESIGN SHALL BE TITUS WITH STERI-LOC FOR HOSPITAL AND WITH 1" FSK INSULATION BOARD LINED DISCHARGE PLENUM AND FIBER-FREE IN OTHER AREAS WITH 1" FSK INSULATION BOARD LINED DISCHARGE PLENUM.</p> <p>BRANCH DUCTS TO INDIVIDUAL DIFFUSERS SHALL BE A MINIMUM OF THE SAME SIZE AS THE DIFFUSER CONNECTION COLLAR.</p> <p>PROVIDE VOLUME DAMPERS AT EACH LOW-PRESSURE DUCT MAIN AND BRANCH AND AS SHOWN. PROVIDE ACCESS TO DAMPER OR REMOTE DAMPER OPERATORS WHERE REQUIRED BY CEILING CONSTRUCTION.</p> <p>LOCATE DIFFUSERS AND GRILLES AS SHOWN. PERFORMANCE AS SCHEDULED. COORDINATE BORDER TYPE WITH CEILING. REMOVE EXISTING TO REMAIN DIFFUSERS AND GRILLES TO SUPPORT CEILING WORK. WIPE UNIT SURFACES CLEAN, STORE AND REINSTALL.</p> <p>PAINT PLENUM BOXES AND DUCT INTERIORS FLAT BLACK WHERE OBSERVABLE FROM THE FLOOR OR PUBLIC AREAS.</p> <p>PROVIDE ADEQUATE CLEARANCES FOR OPERATIONS AND MAINTENANCE FOR ALL CV/VAV BOXES, DAMPERS, LINKS AND ACTUATORS.</p> <p><u>FANS</u></p> <p>PERFORMANCE AS SCHEDULED.</p> <p><u>AIR HANDLING UNITS</u></p> <p>PERFORMANCE AS SCHEDULED.</p> <p><u>TESTING, ADJUSTING AND BALANCING</u></p> <p>PROVIDE THE SERVICES OF A NEBB CERTIFIED TAB FIRM TO TEST ADJUST AND BALANCE THE VENTILATION AND HYDRONIC SYSTEMS SERVING THE PROJECT AREA. PROVIDE BOTH A PRECONSTRUCTION AND A POST CONSTRUCTION TAB REPORT FOR REVIEW AND APPROVAL.</p> <p>PRECONSTRUCTION TAB SCOPE OF WORK:</p> <p>1.RECORD THE BAS AIR TERMINAL UNIT AIRFLOW SET POINTS FOR AIR TERMINAL UNITS T-78, T-81, T-82, T-84, T-87, AND T-89.</p> <p>2.MEASURE AND RECORD THE SUPPLY AIRFLOW AND ASSOCIATED RETURN AIRFLOWS FOR AIR TERMINAL UNITS T-78, T-81, T-82, T-84, T-87, AND T-89. RECORD THE AIR TERMINAL UNIT DAMPER POSITION.</p> <p>3.MEASURE AND RECORD AIR TERMINAL UNIT DISCHARGE TEMPERATURES AT FULL HEAT AND AT FULL COOLING CONDITION.</p> <p>4.RECORD THE BAS AHU-2 DUCT STATIC PRESSURE SETPOINT AND BAS ACTUAL DUCT STATIC PRESSURE AT THE TIME OF TESTING.</p> <p>POST CONSTRUCTION TAB SCOPE OF WORK:</p> <p>1. TEST, MEASURE AND ADJUST THE VENTILATION SYSTEMS SERVING THE PROJECT.</p> <p>2. TEST, MEASURE AND ADJUST THE HYDRONIC SYSTEMS SERVING THE PROJECT.</p> <p>3. TEST, MEASURE AND ADJUST THE HOT WATER RECIRCULATION SYSTEM SERVING THE PROJECT.</p> <p>SETTINGS OF ALL VALVES, DAMPERS AND OTHER ADJUSTMENTS DEVICES TO BE PERMANENTLY MARKED BY THE BALANCING AGENCY, SO THAT ADJUSTMENT CAN BE EASILY RESTORED IF DISTURBED AT ANY TIME.</p> <p>PRIOR TO ACTUAL START OF TESTING, ADJUSTING AND BALANCING VERIFY THE SYSTEMS AND EQUIPMENT ARE READY FOR THIS WORK. REVIEW PLANS BEFORE CONSTRUCTION STARTS AND INSTALLATION FOR EQUIPMENT AND ACCESS TO BALANCE SYSTEMS. CORRECT AIR AND WATER SYSTEM PERFORMANCE DEFICIENCIES DISCLOSED BY INITIAL TESTING AND NOTIFICATION TO ENGINEER, PRIOR TO FINAL BALANCING.</p> <p>VAV TERMINAL CONTROL UNITS TO BE ADJUSTED FOR THE AIR QUANTITIES INDICATED. AIR QUANTITIES TO BE MEASURED AND ADJUSTED AT EACH OUTLET AND THIS SUMMATION TO BE USED TO CORRECT BOX FLOW COEFFICIENT. THE BOX FLOW COEFFICIENT TO BE RECORDED FOR EACH DDC TERMINAL AND INCLUDED IN BALANCING REPORT. ADJUST THERMOSTATS WHICH CONTROL VAV BOXES AND RECORD MAXIMUM AND MINIMUM CFMS.</p> <p>BALANCE ALL AIR AND LIQUID FLOW RATES TO WITHIN +/- 5% OF DESIGN FLOW RATES INDICATED SUCH THAT INDICATED MINIMUM AIR CHANGES PER HOUR OR AIR FLOWS TO BE PROVIDED. AIRFLOWS LESS THAN 301 CFM MAY BE BALANCED TO +/- 10%, EXCEPT IN AREAS REQUIRED TO BE POSITIVE OR NEGATIVE TO ADJACENT AREAS.</p> <p><u>BUILDING AUTOMATION SYSTEM (BAS)</u></p> <p>BAS SYSTEM CONTROL MATERIALS AND WORK SHALL BE BY LONG TECHNOLOGIES. WORK SHALL BE COMPATIBLE WITH, AND AN EXTENSION OF EXISTING BUILDING AUTOMATION SYSTEM (BAS).</p> <p>PROVIDE NEW ZONE TEMPERATURE SENSORS. MATCH EXISTING TYPE IN THE FACILITY.</p> <p>VERIFY FUNCTION, CALIBRATION, AND SYSTEM ACCURACY OF EXISTING SENSORS, DEVICES, AND EQUIPMENT TO BE USED.</p> <p>REMOVE DDC SOFTWARE PROGRAMS, VIRTUAL OR REAL POINTS, STORED DATA, REGISTERS, AND GRAPHIC DISPLAY FILES WHICH WILL BE SUPERSEDED, REDUNDANT OR UNUSED BY THIS PROJECT.</p> <p>INTEGRATE BAS GRAPHIC CONTROL WORK. PROVIDED IN CONTROL SUBMITTAL A SUMMARY OF SOFTWARE FEATURES, REGISTRIES, AND GRAPHIC DISPLAYS TO BE ADDED, ALTERED, OR DELETED BY THIS PROJECT. INCORPORATE THIS INFORMATION INTO SYSTEM ACCEPTANCE FOR VERIFICATION AND OWNER TRAINING.</p> <p>UPON COMPLETION OF THE INSTALLATION, INITIATE OPERATION OF THE SYSTEM AND PERFORM TRENDS, TESTING, AND DIAGNOSTICS TO ENSURE PROPER SYSTEMS OPERATION AND AS REQUIRED BY THE OWNER.</p> <p>SEQUENCES OF OPERATION: TBD.</p>			




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Sheet Contents

SPECIFICATIONS

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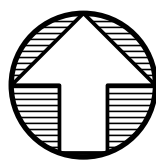
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**1 SITE PLAN - MECHANICAL**  
M1.01 SCALE: 1" = 30'






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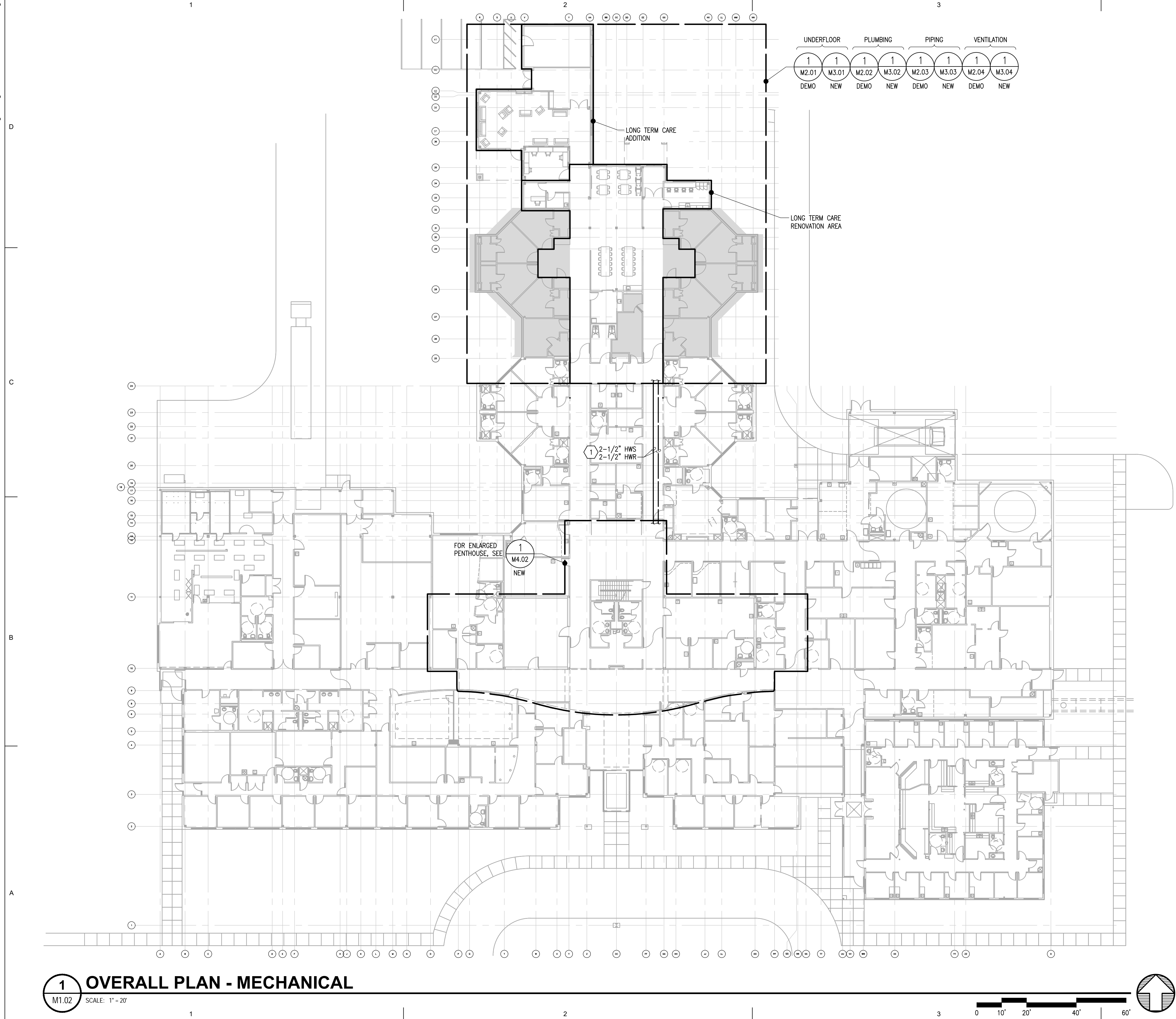
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**SHEET NOTES**

1 ROUTE PIPING IN ABOVE CEILING SPACE.




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OVERALL PLAN - MECHANICAL

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M1.02



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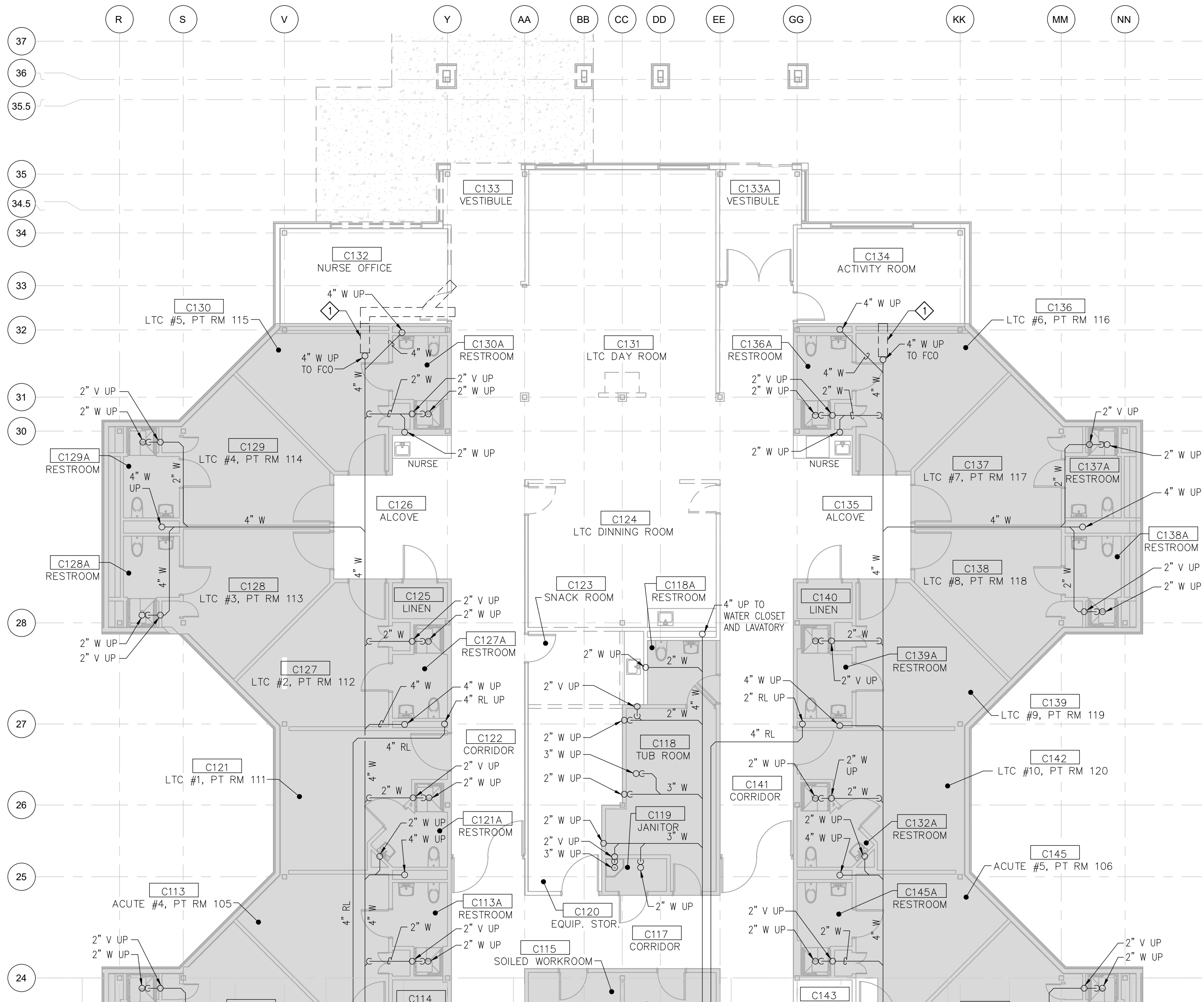
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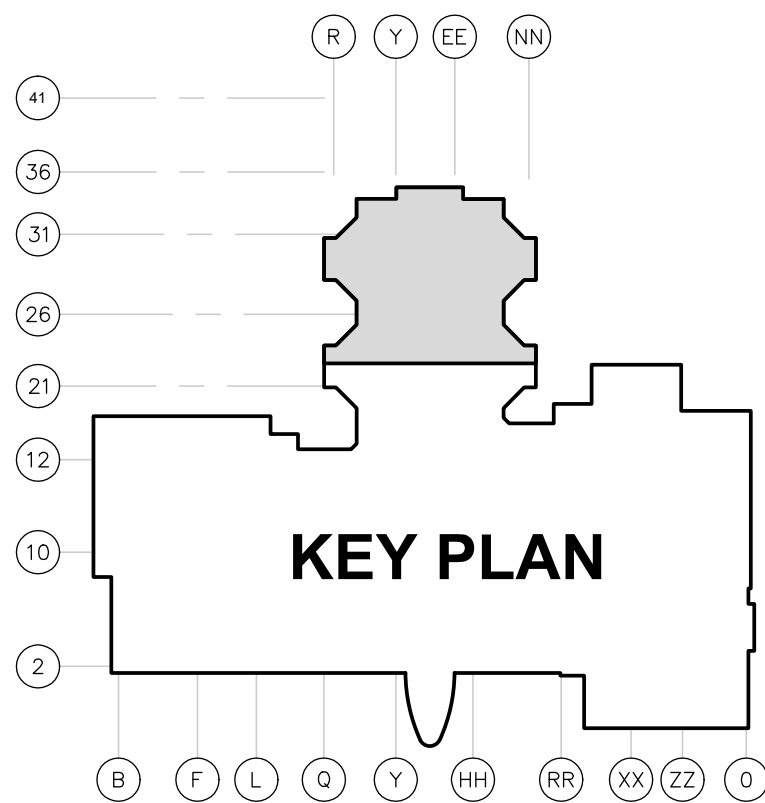
**1 UNDERFLOOR PLAN - MECHANICAL - DEMOLITION**  
M2.01 SCALE: 1/8" = 1'-0"

## GENERAL NOTES

- COORDINATE DEMOLITION WITH NEW WORK.
- FIELD VERIFY EXISTING CONDITIONS.

## DEMOLITION NOTES

- SAWCUT CONCRETE FLOOR SLAB TO PREPARE FOR NEW WASTE PIPE CONNECTION. REFER TO 1/M3.01 FOR NEW WORK UNDERFLOOR PLAN.



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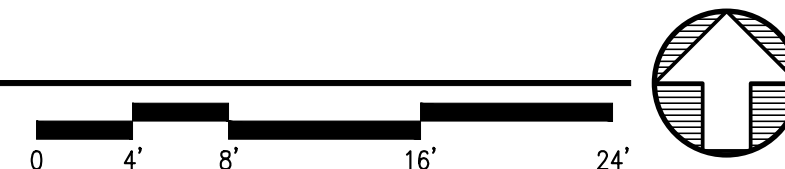
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UNDERFLOOR PLAN - MECHANICAL  
- DEMOLITION

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1 DEMOLISH ROOF DRAIN, RAINLEADER PIPING, AND ASSOCIATED DOWNSPOUT SERVING DEMOLISHED CANOPY.

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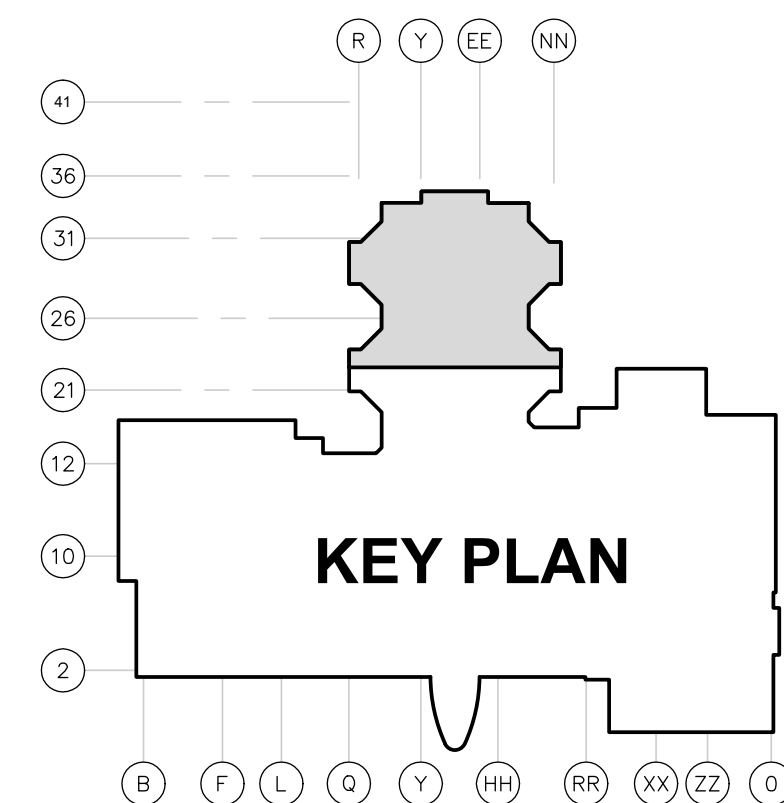
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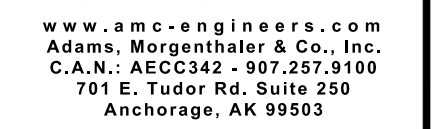
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- 1 DEMOLISH CABINET UNIT HEATER, CONTROLS, AND BRANCH PIPING.
- 2 DEMOLISH TEMPERATURE SENSOR.



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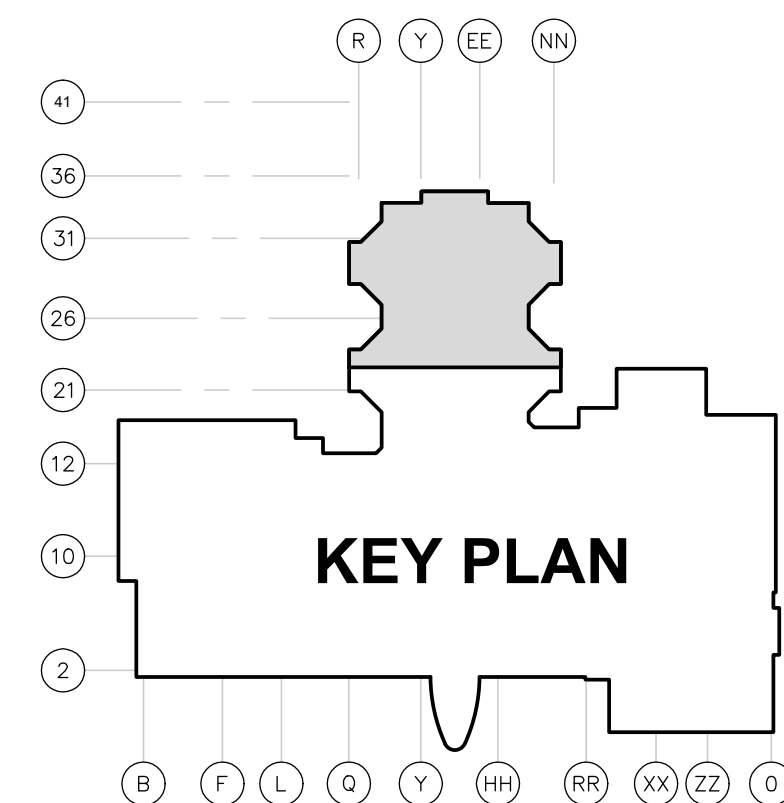
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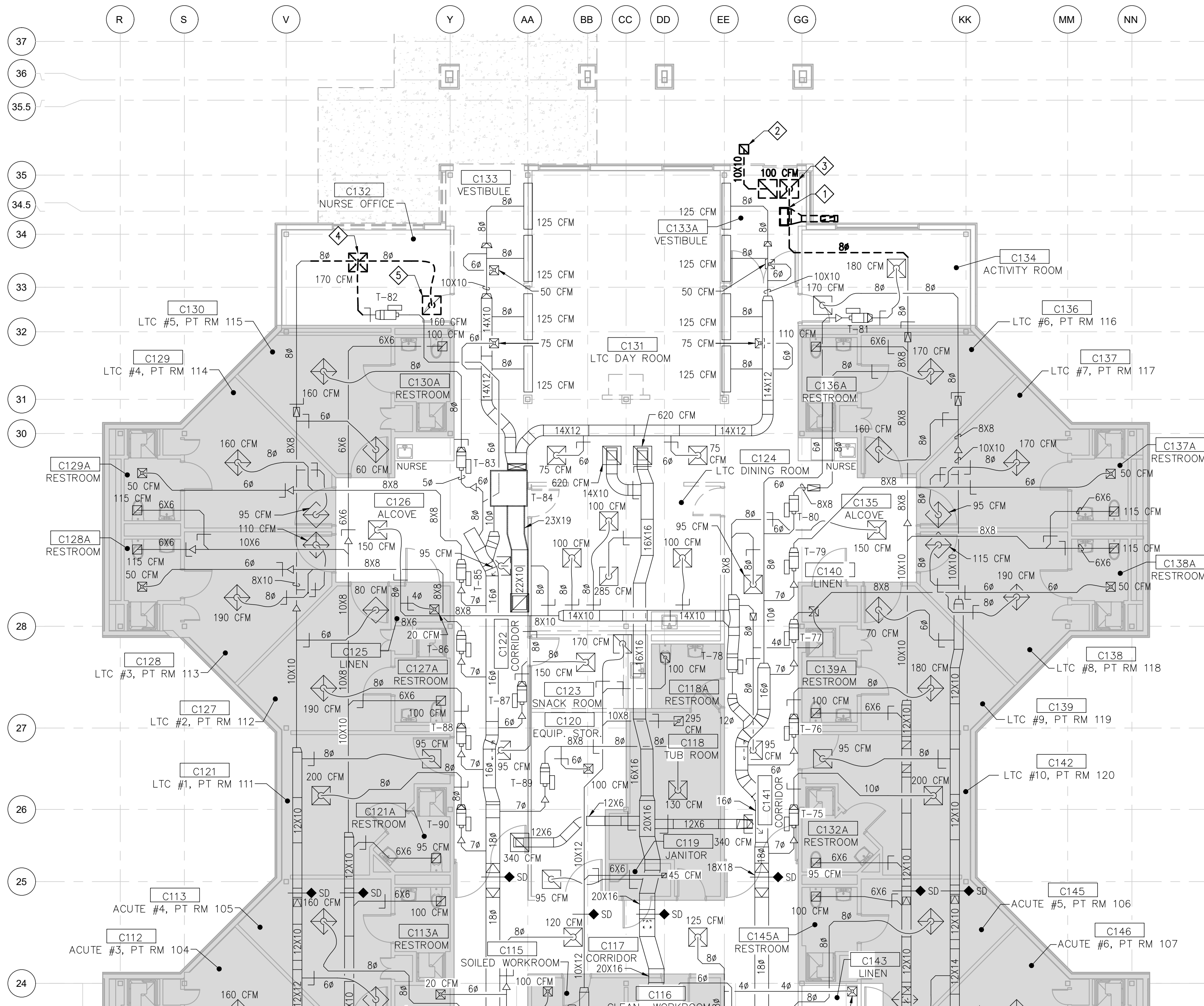
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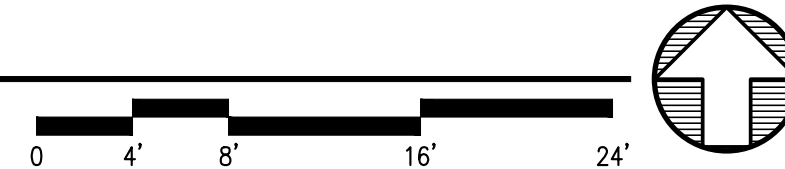




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**1 FLOOR PLAN - VENTILATION - DEMOLITION**  
M2.04 SCALE: 1/8" = 1'-0"

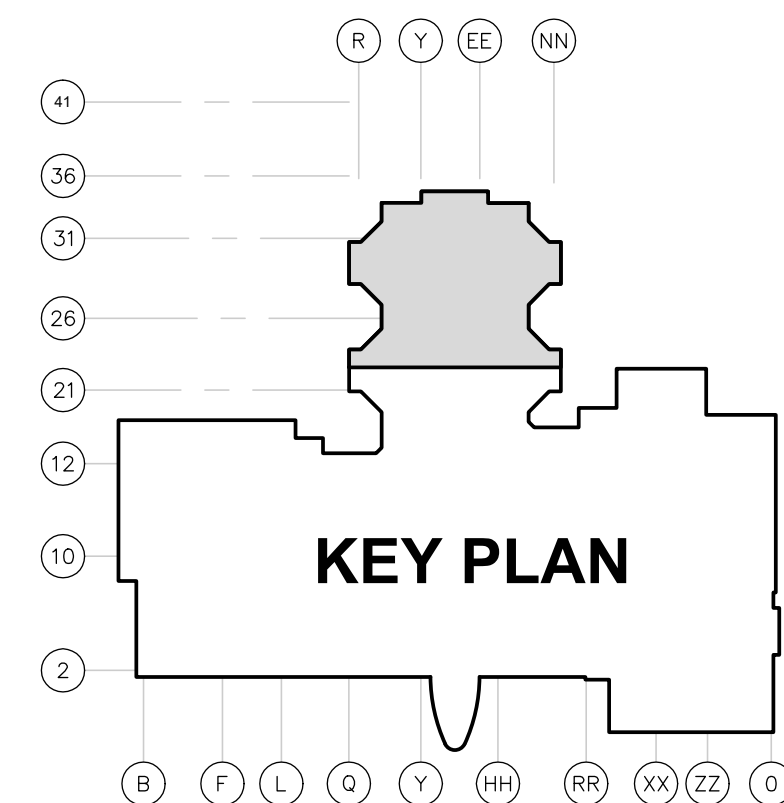


## GENERAL NOTES

- COORDINATE DEMOLITION WITH NEW WORK.
- FIELD VERIFY EXISTING CONDITIONS.

## DEMOLITION NOTES

- DEMOLISH EXHAUST FAN AND ASSOCIATED DUCTWORK. PATCH SOFFIT TO MATCH EXISTING.
- DEMOLISH TRANSFER AIR DUCTWORK.
- DEMOLISH EXHAUST GRILLE AND DUCTWORK.
- REMOVE AND RETAIN SUPPLY GRILLE FOR RELOCATION. DEMOLISH ASSOCIATED BRANCH DUCTWORK AS SHOWN TO ACCOMMODATE.
- REMOVE AND RETAIN RETURN GRILLE FOR RELOCATION. DEMOLISH ASSOCIATED BRANCH DUCTWORK AS SHOWN TO ACCOMMODATE.



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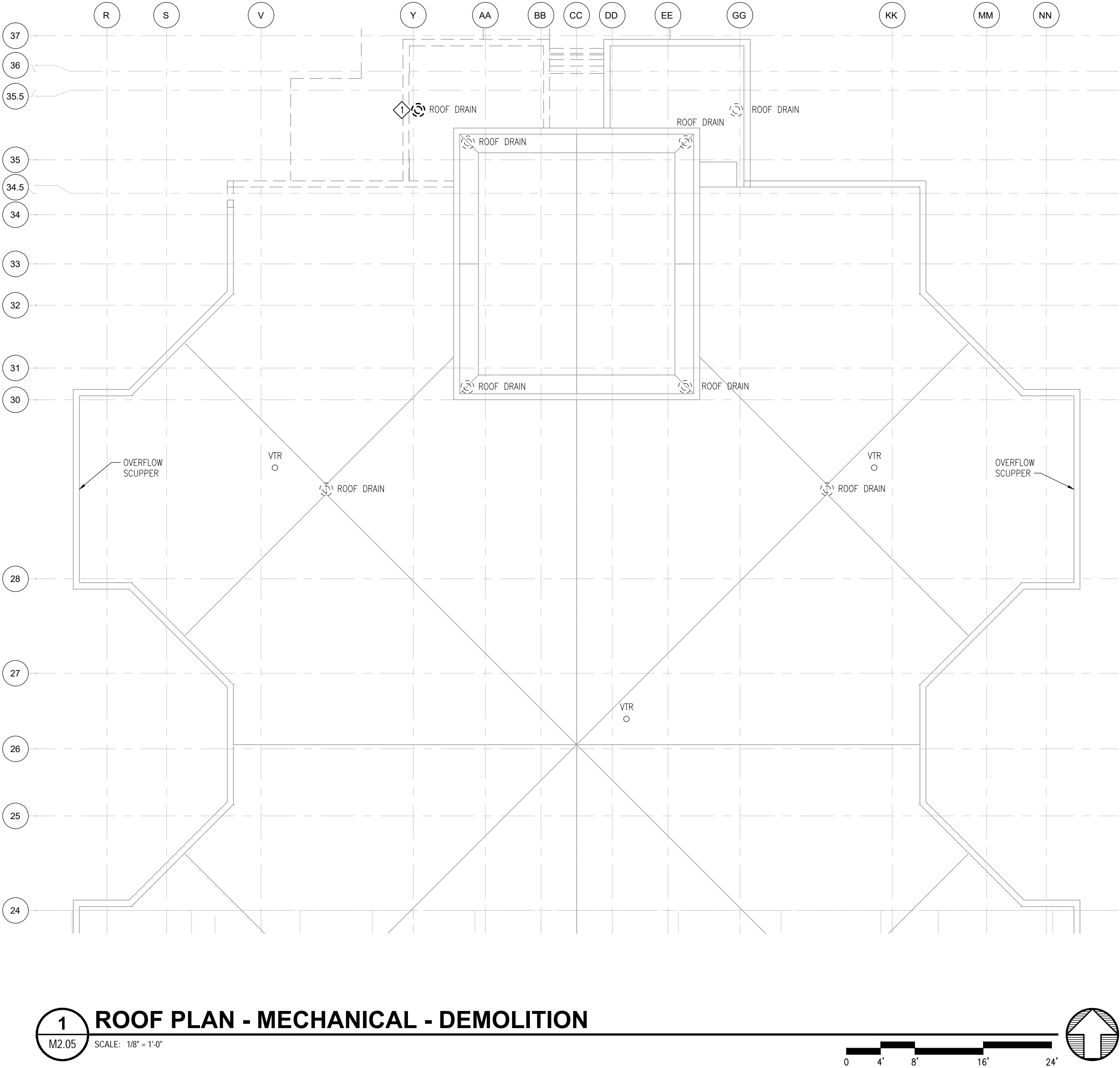
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Sheet Contents
FLOOR PLAN - VENTILATION - DEMOLITION

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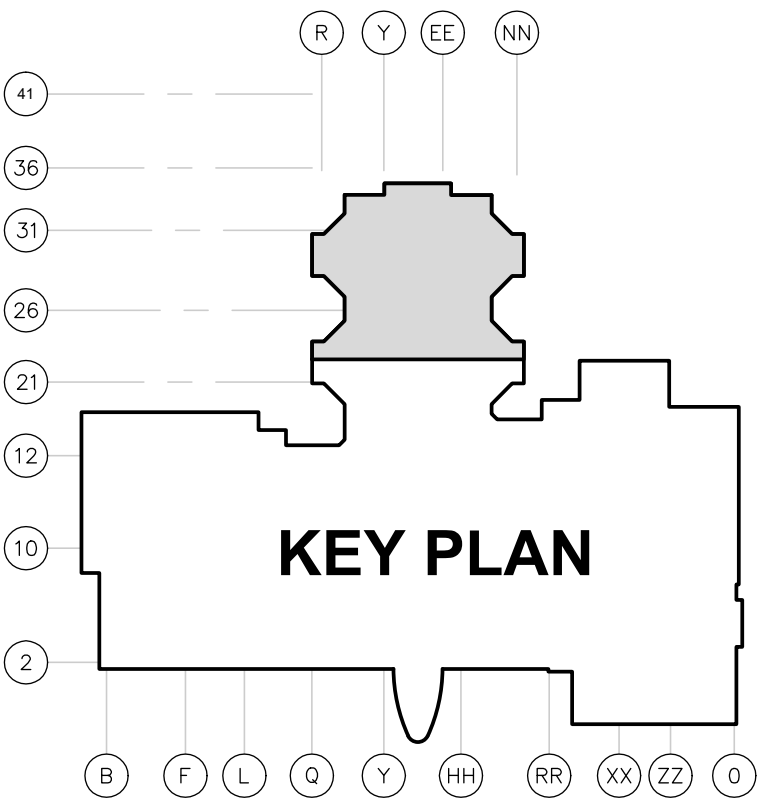


### GENERAL NOTES

- COORDINATE DEMOLITION WITH NEW WORK.
- FIELD VERIFY EXISTING CONDITIONS.

### DEMOLITION NOTES

- DEMOLISH ROOF DRAIN AND ASSOCIATED RAINLEADER PIPING AND DOWNSPOUT.



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No.	Description	Date

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Checked TDH	Job No. 23042.01

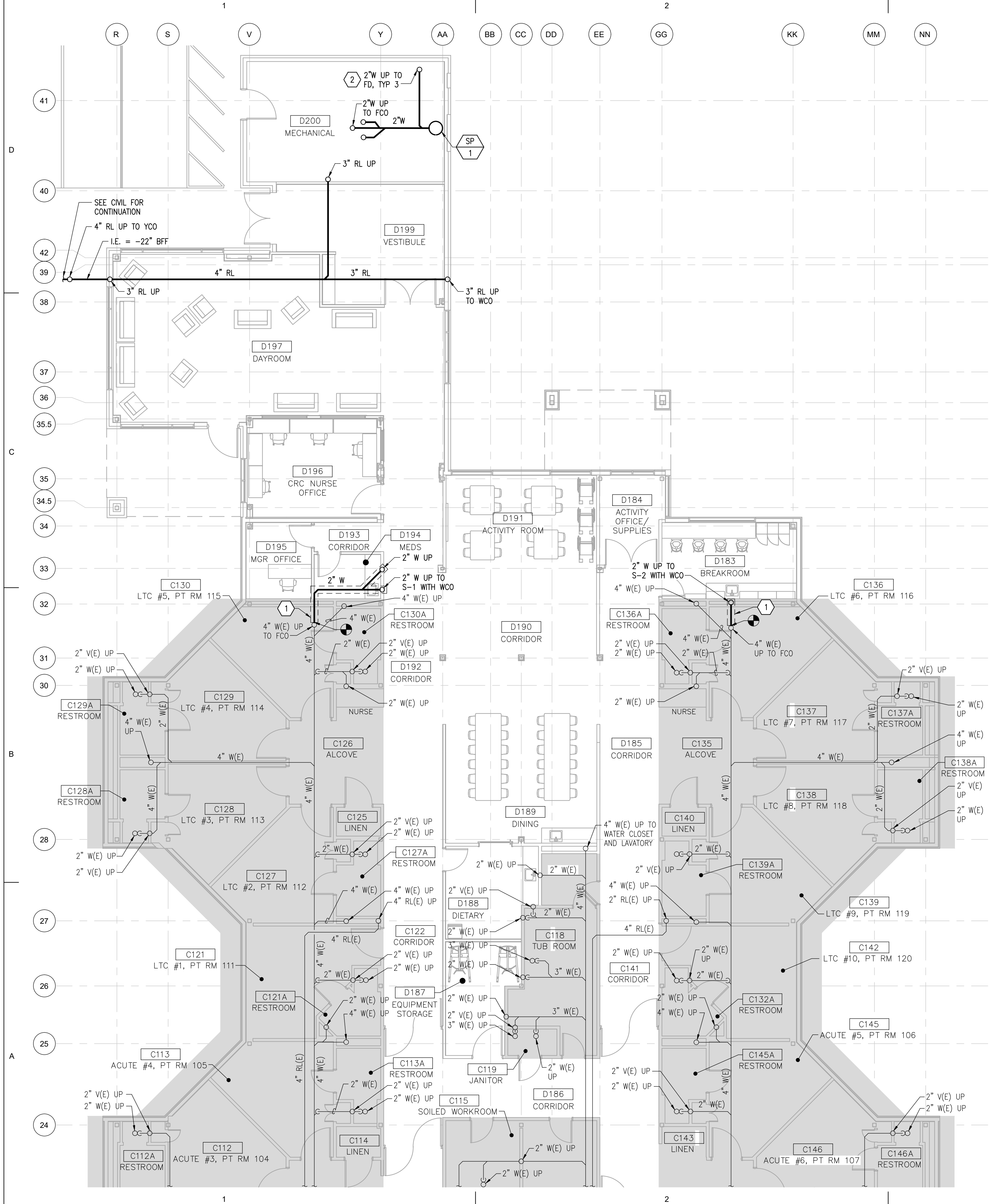
Sheet Contents
ROOF PLAN - MECHANICAL - DEMOLITION

Sheet No.

**M2.05**



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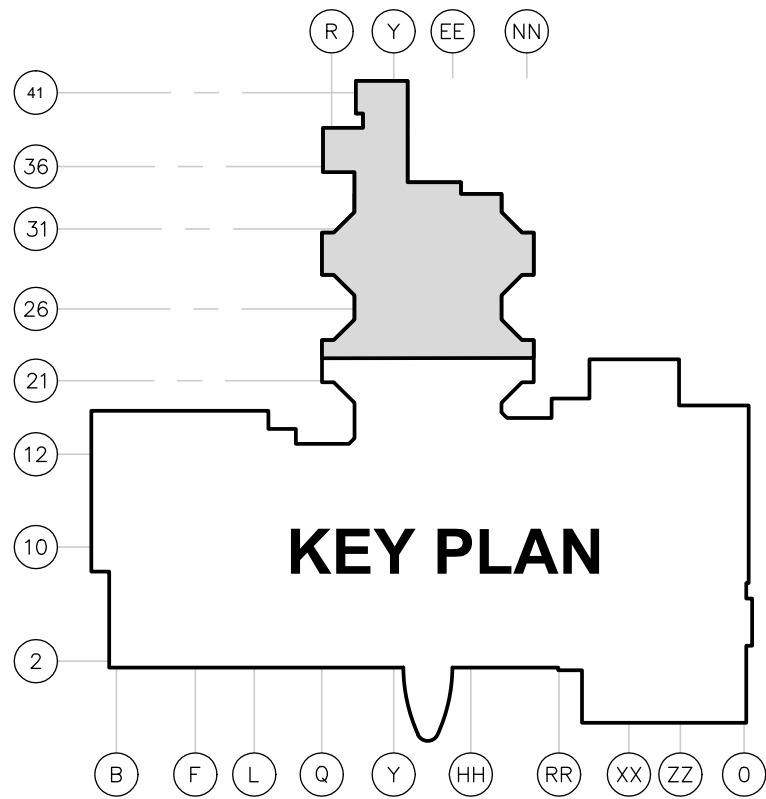
**1 UNDERFLOOR PLAN - MECHANICAL**  
M3.01 SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

- SLOPE WASTE PIPING AT 1/4" PER FOOT.
- SLOPE RAINLEADER PIPING AT 1/8" PER FOOT.

**SHEET NOTES**

- APPROXIMATE EXTENTS OF SLAB SAWCUT SHOWN.
- VENT PIPING NOT SHOWN.



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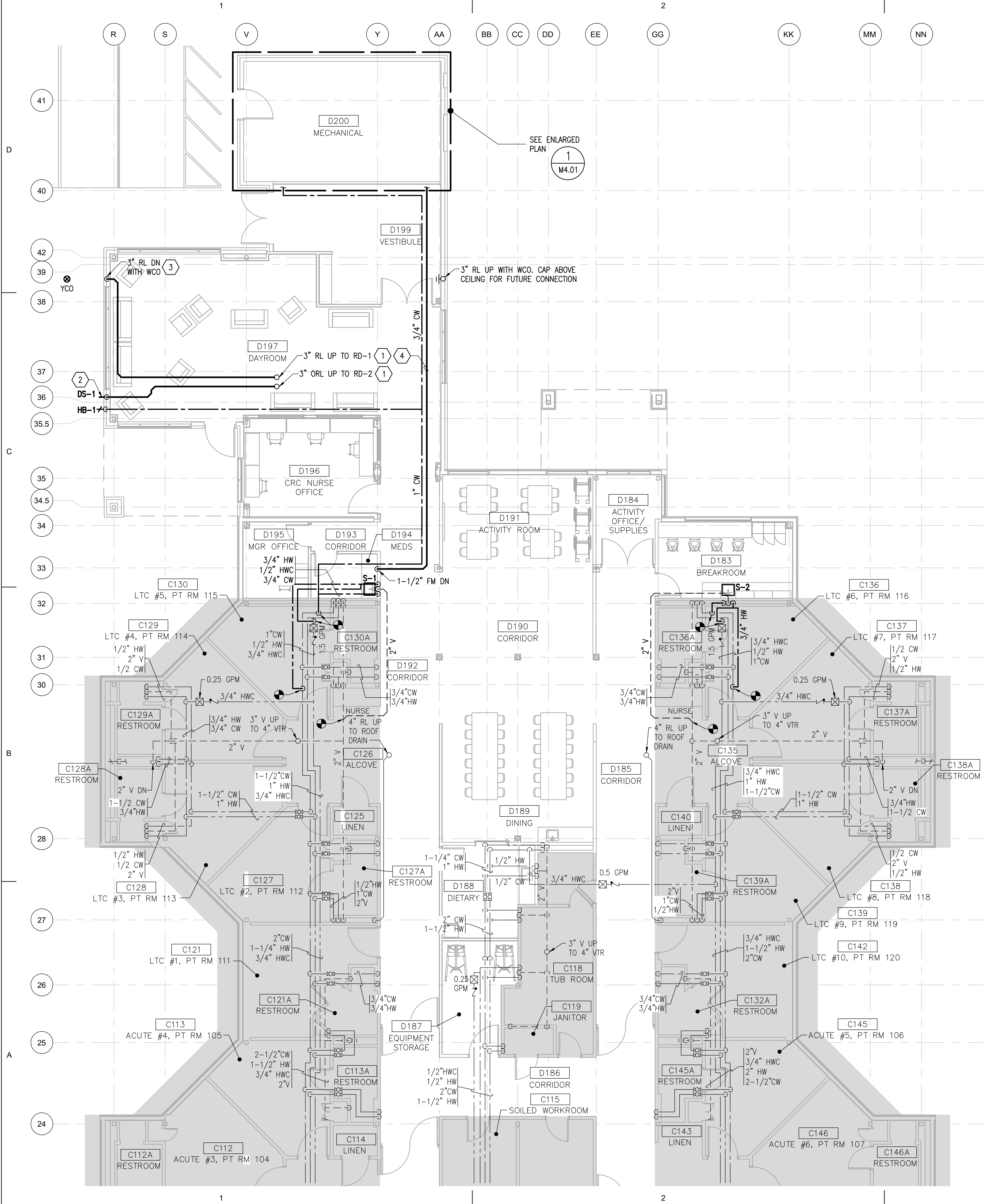
Drawn by DNS	Date 10/04/2024
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Sheet Contents
UNDERFLOOR PLAN - MECHANICAL

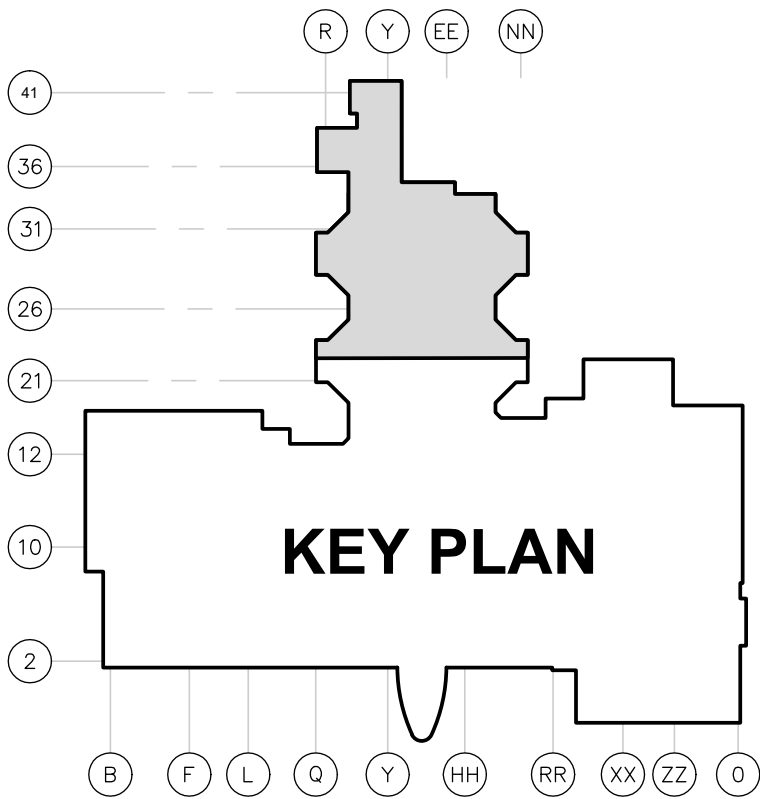
Sheet No.  
**M3.01**



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**1 FLOOR PLAN - PLUMBING**  
M3.02 SCALE: 1/8" = 1'-0"

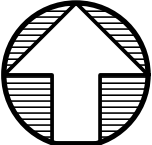
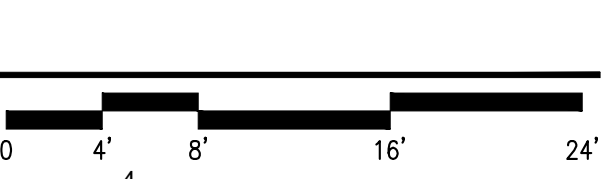



**GENERAL NOTES**

1. MINIMUM PLUMBING PIPE SIZE SERVING MULTIPLE FIXTURES IS 3/4". REFER TO PLUMBING FIXTURE CONNECTION SCHEDULE FOR INDIVIDUAL FIXTURE PIPE SIZES.
2. MAXIMUM UNCIRCULATED HW PIPE LENGTH TO PLUMBING FIXTURE IS 10 FEET.
3. SLOPE RAINLEADER AND OVERFLOW RAINLEADER PIPING AT 1/8" PER FOOT.

**SHEET NOTES**

- 1 PROVIDE HEAT TRACE TO ROOF DRAIN. COORDINATE WITH ELECTRICAL.
- 2 PROVIDE HEAT TRACE FOR OVERFLOW SCUPPER. COORDINATE WITH ELECTRICAL.
- 3 PROVIDE HEAT TRACE FROM WCO TO SWALE DISCHARGE. COORDINATE WITH ELECTRICAL. REFER TO CIVIL DRAWINGS.
- 4 1-1/2" PUMPED WASTE PIPING. SLOPE PIPING AT 1/4" PER FOOT.

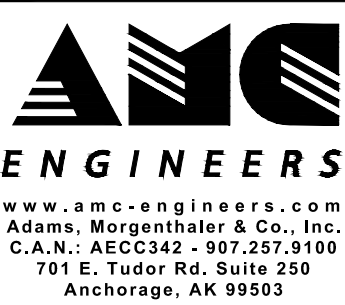




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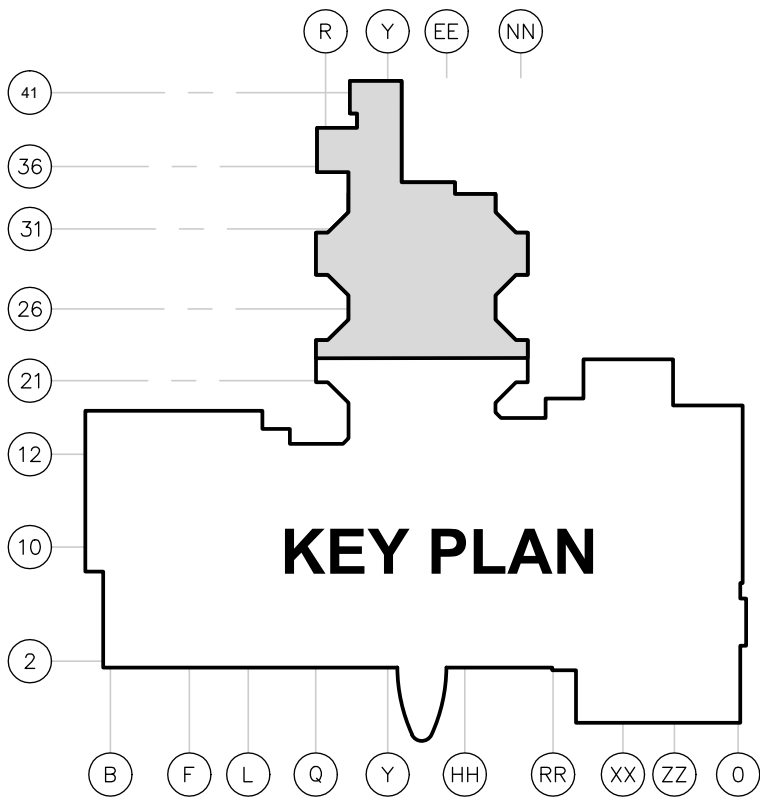
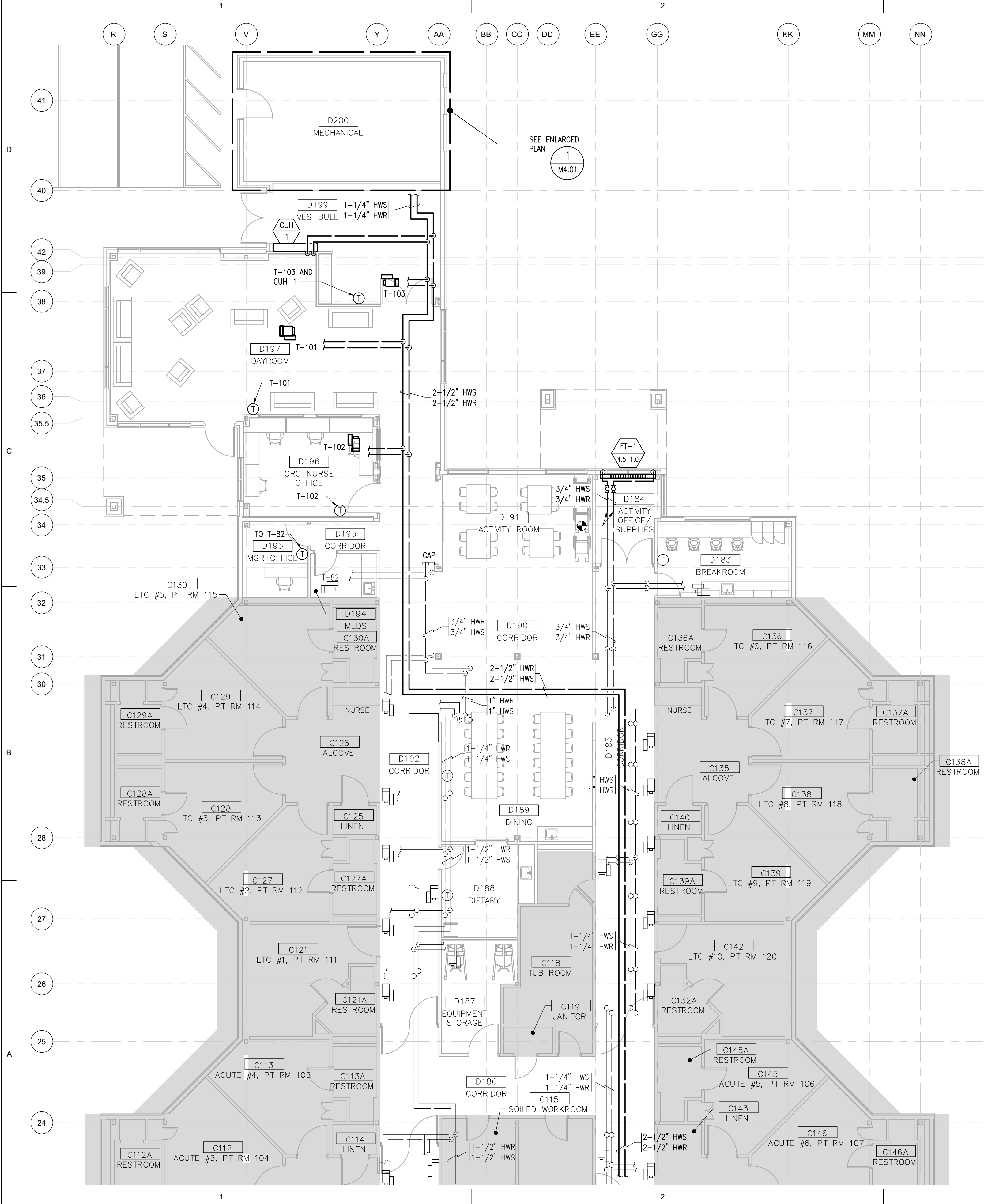
Revisions		
No.	Description	Date

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Sheet Contents  
FLOOR PLAN - PLUMBING

Sheet No.  
**M3.02**

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Plot Date Time: 10/04/2024 11:47 AM



GENERAL NOTES

- MINIMUM PIPE SIZE IS 3/4" UNLESS OTHERWISE NOTED.
- LOCATE REHEAT COIL PIPING, VALVES, ACCESS DOORS, AND CONTROL BOX ON SAME SIDE OF AIR TERMINAL UNIT FOR SINGLE POINT ACCESS.

SHEET NOTES

- ROUTE HWS/HWR LINES TO SERVE LTC EXPANSION. CONNECT HWS/HWR LINES TO EXISTING 6" HWS/HWR PIPES IN PENTHOUSE NEAR THE INTERSECTION OF GRIDLINES 10 AND GG WITH ISOLATION AND DRAIN VALVES. SEE 1/M4.02 FOR CONNECTION IN PENTHOUSE. APPROXIMATE HORIZONTAL LENGTH OF HWS/HWR PIPING FROM EXISTING CONNECTION TO AHU-1 IS XXX FEET.

1 FLOOR PLAN - PIPING  
M3.03 SCALE: 1/8" = 1'-0"



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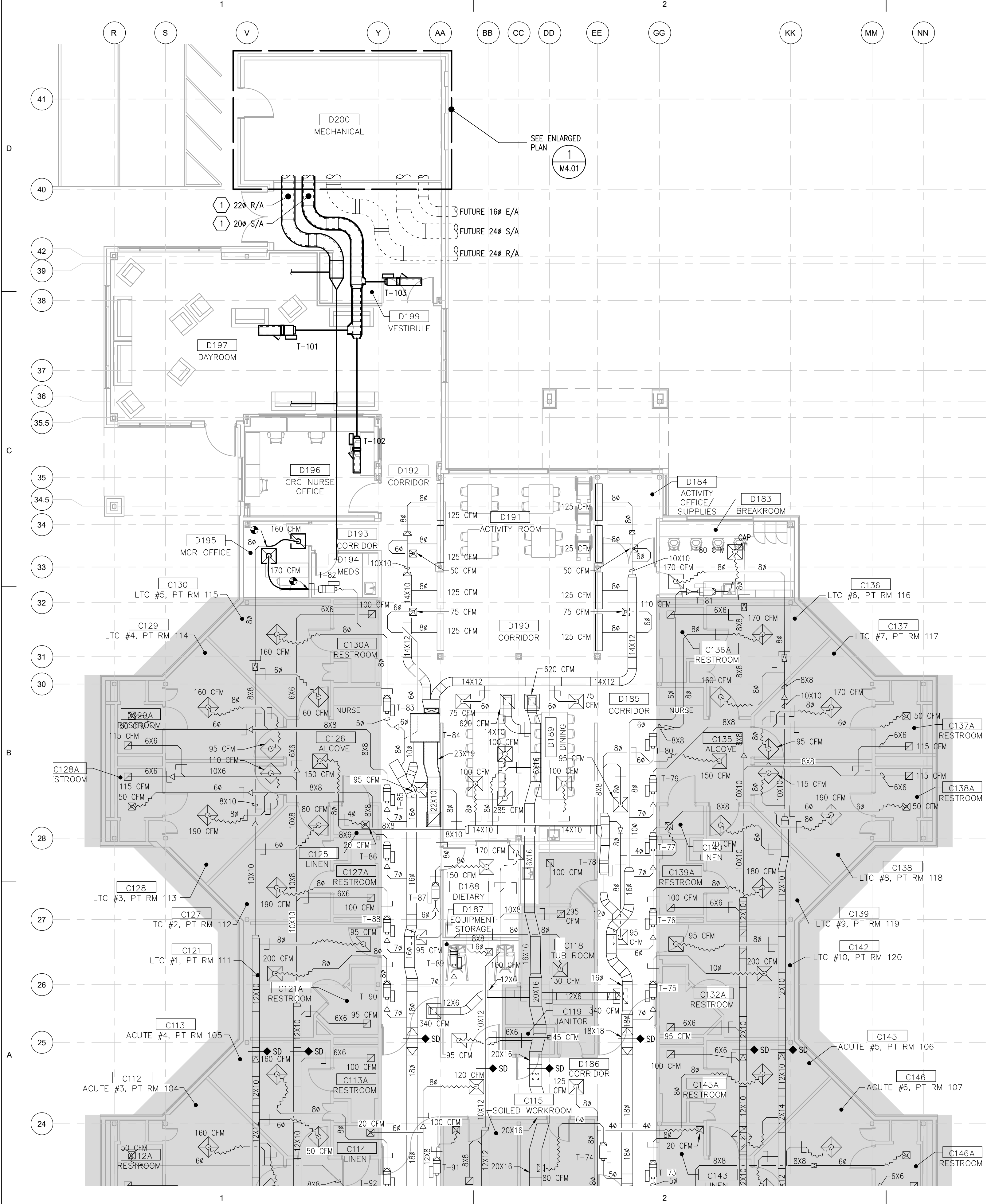
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Sheet Contents FLOOR PLAN - PIPING
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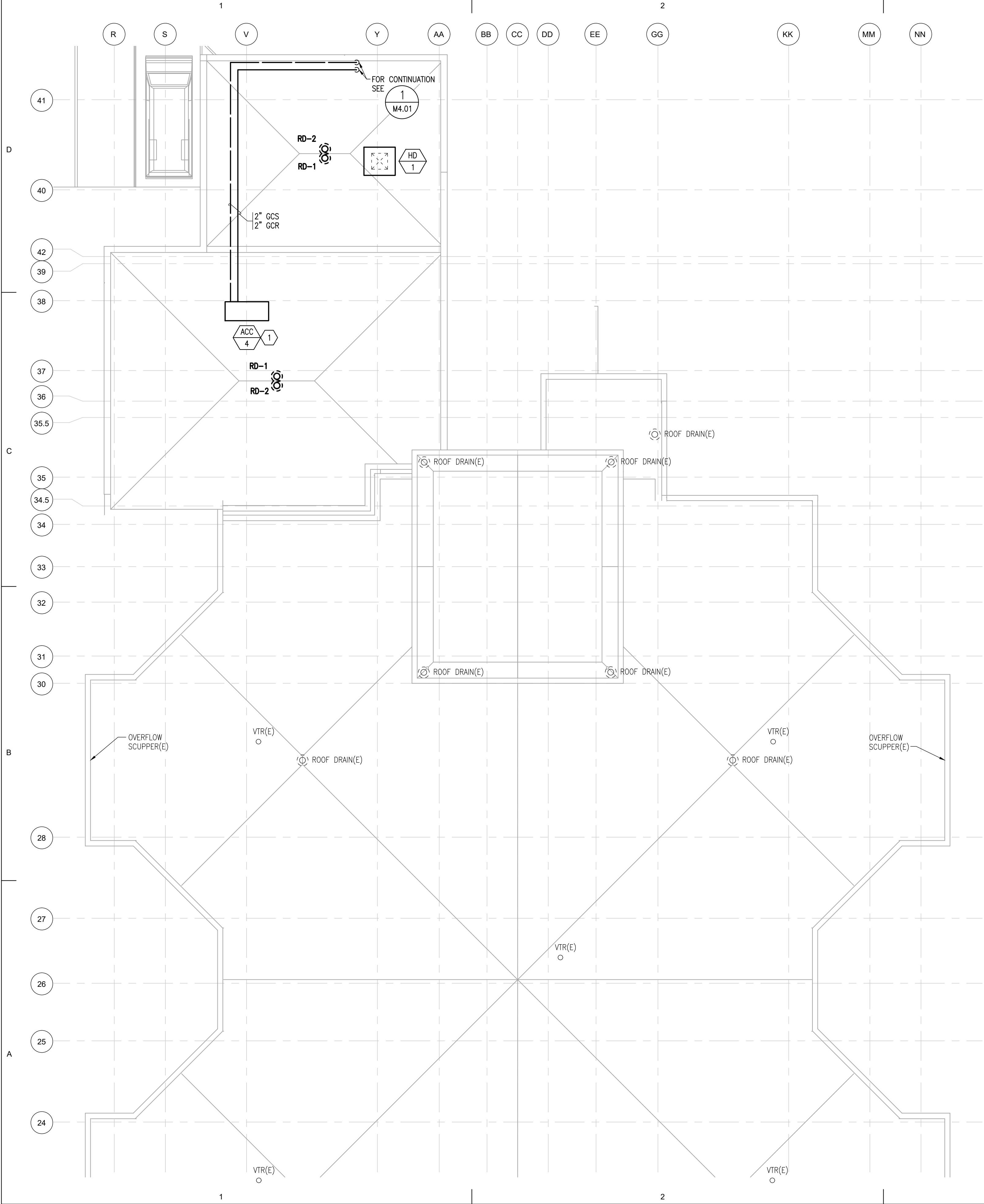
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M3.03



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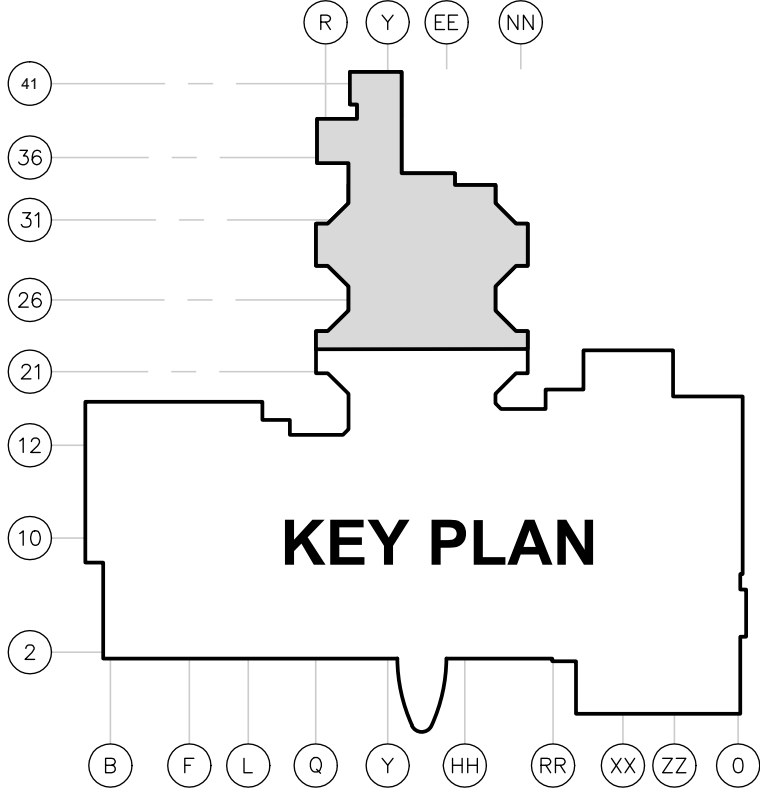


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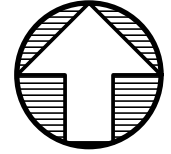
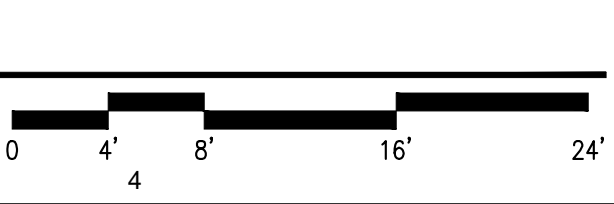
**1**  
M3.05  
**ROOF PLAN - MECHANICAL**

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



**SHEET NOTES**

1 LOCATE UNIT A MINIMUM OF 20 FT FROM ANY BUILDING OPENINGS.



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No.	Description	Date

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Sheet Contents
ROOF PLAN - MECHANICAL

Sheet No.

**M3.05**



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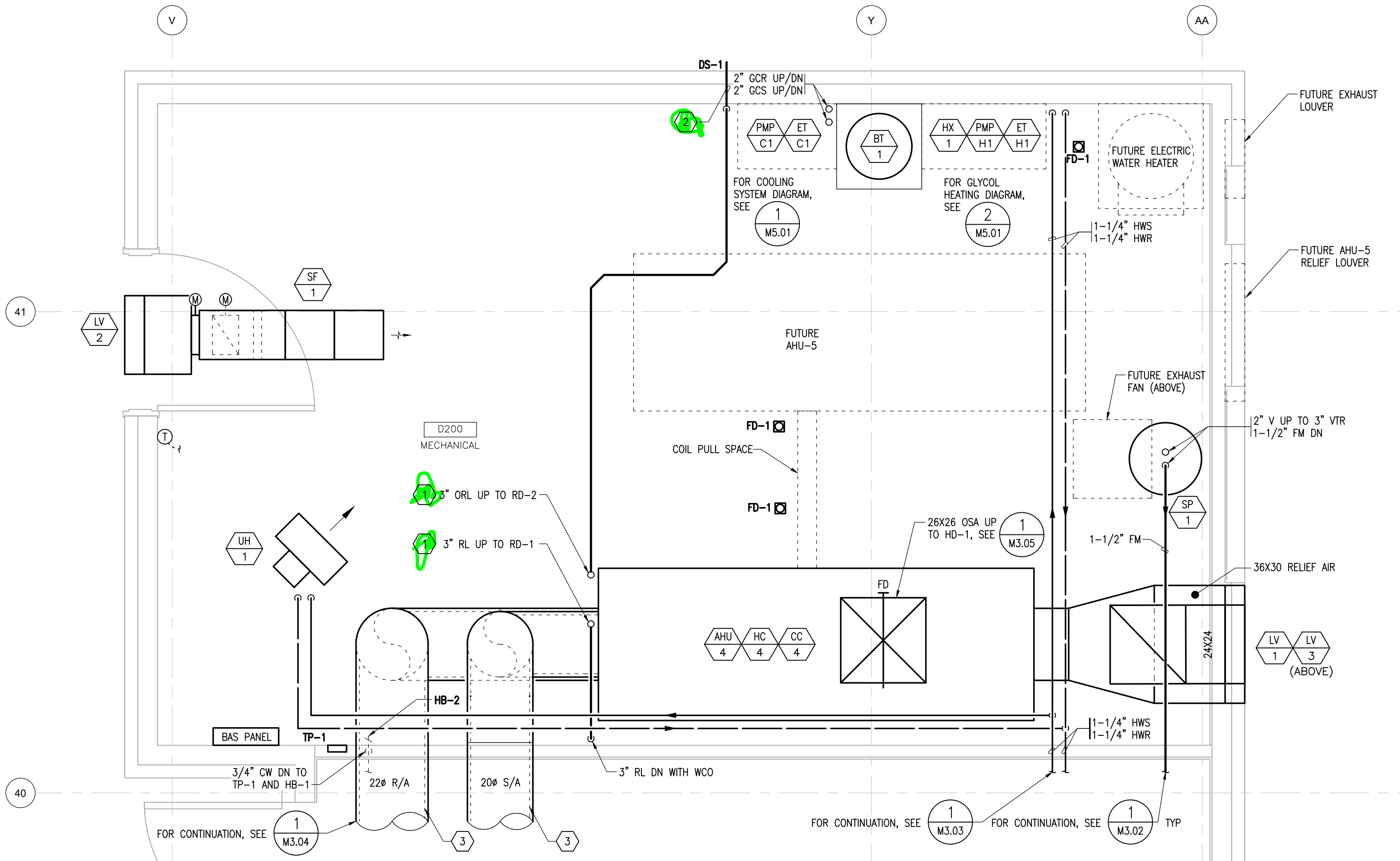
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C

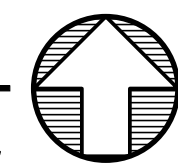
B

A

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**1 ENLARGED PLAN - MECHANICAL ROOM**  
M4.01 SCALE: 1/2" = 1'-0"

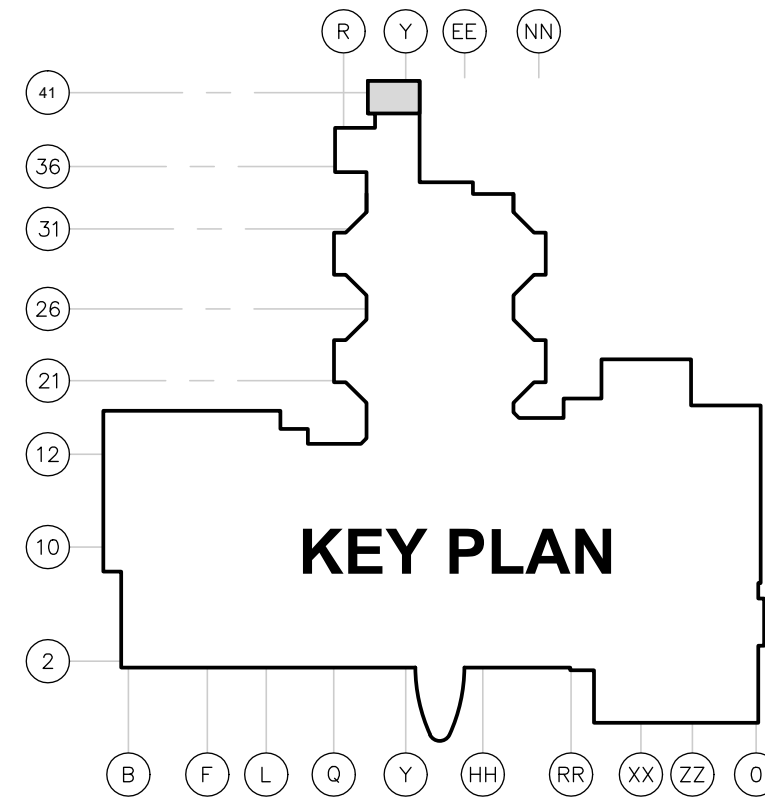


### GENERAL NOTES

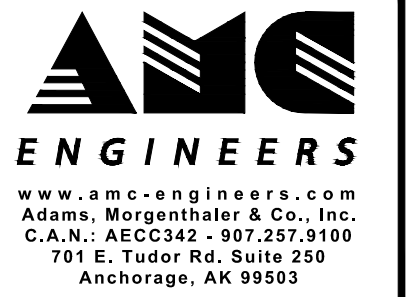
- FOR ROOF PLAN REFER TO 1/M3.05.
- SLOPE RAINLEADER AND OVERFLOW RAINLEADER PIPING AT 1/8" PER FOOT.
- MINIMUM PIPE SIZE IS 3/4" UNLESS NOTES OTHERWISE.

### SHEET NOTES

- PROVIDE HEAT TRACE TO ROOF DRAIN. COORDINATE WITH ELECTRICAL.
- PROVIDE HEAT TRACE FOR OVERFLOW SCUPPER. COORDINATE WITH ELECTRICAL.
- 1" SOUND LINED DUCTWORK.



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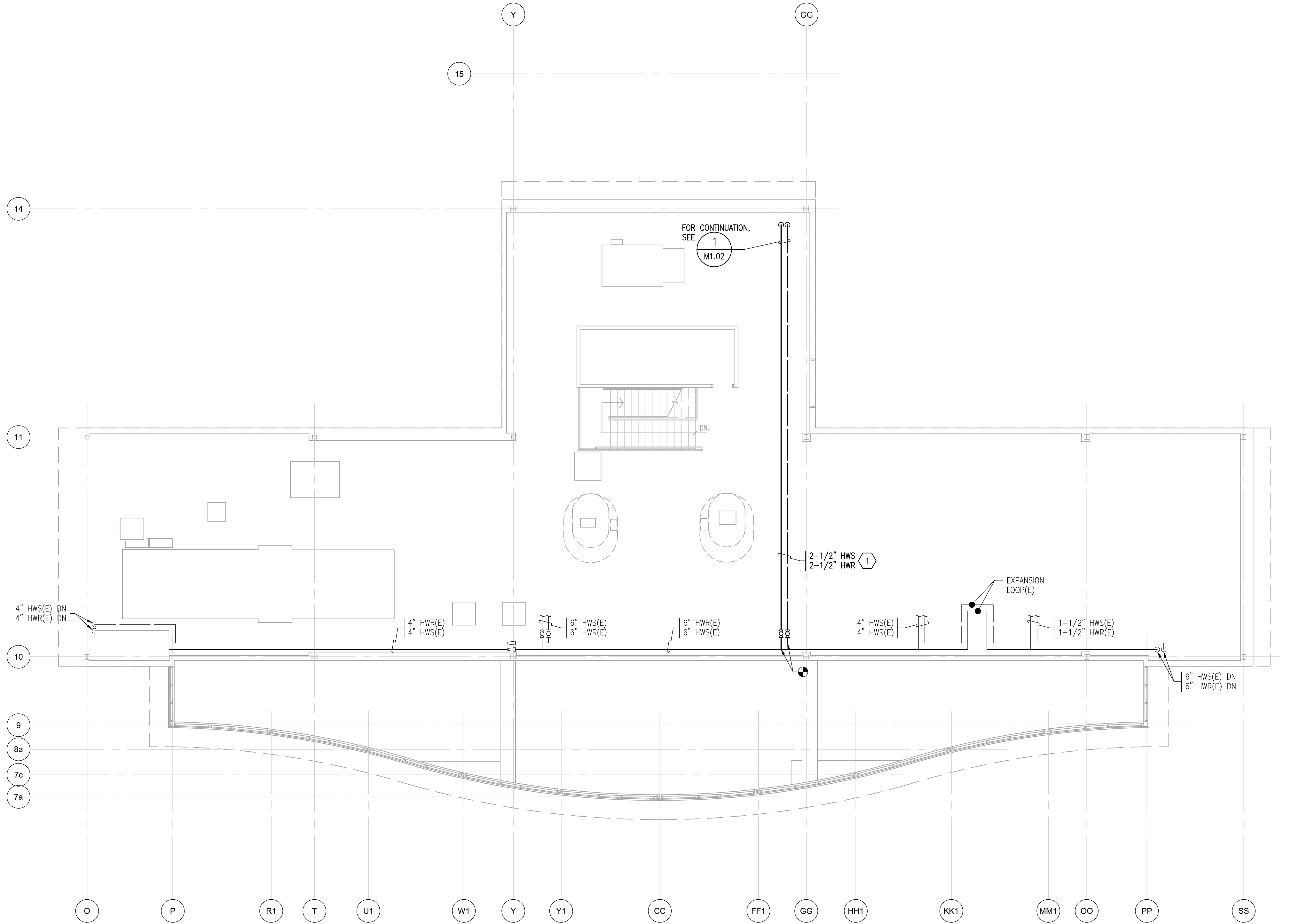
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Sheet Contents  
ENLARGED PLAN - MECHANICAL ROOM

Sheet No.  
**M4.01**

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Plot Date Time: 10/04/2024 11:48 AM



## GENERAL NOTES

- COORDINATE DEMOLITION WITH NEW WORK.
- FIELD VERIFY EXISTING CONDITIONS.

## SHEET NOTES

- 2-1/2" HWS/HWR PIPING TO SERVE LTC EXPANSION.

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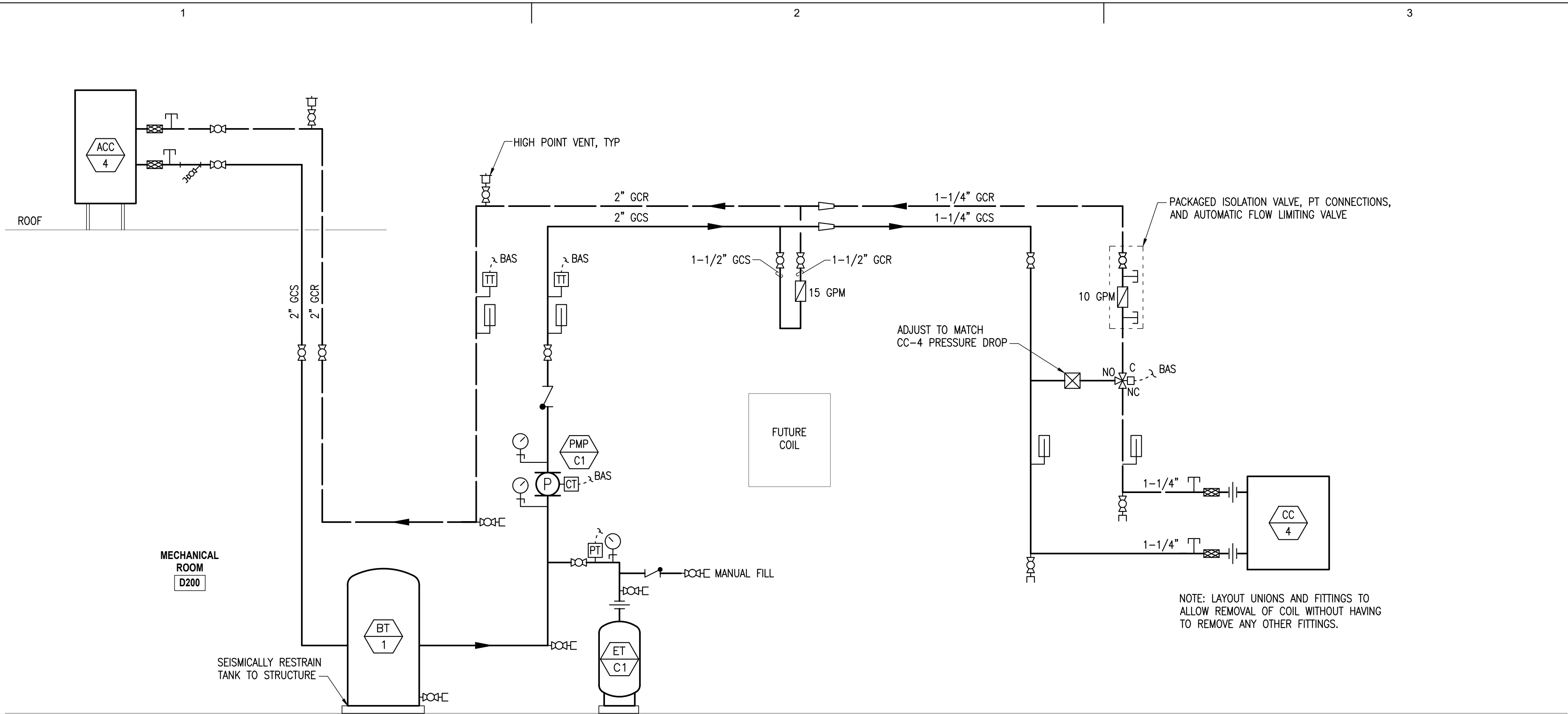
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Sheet Contents ENLARGED PLAN - PENTHOUSE
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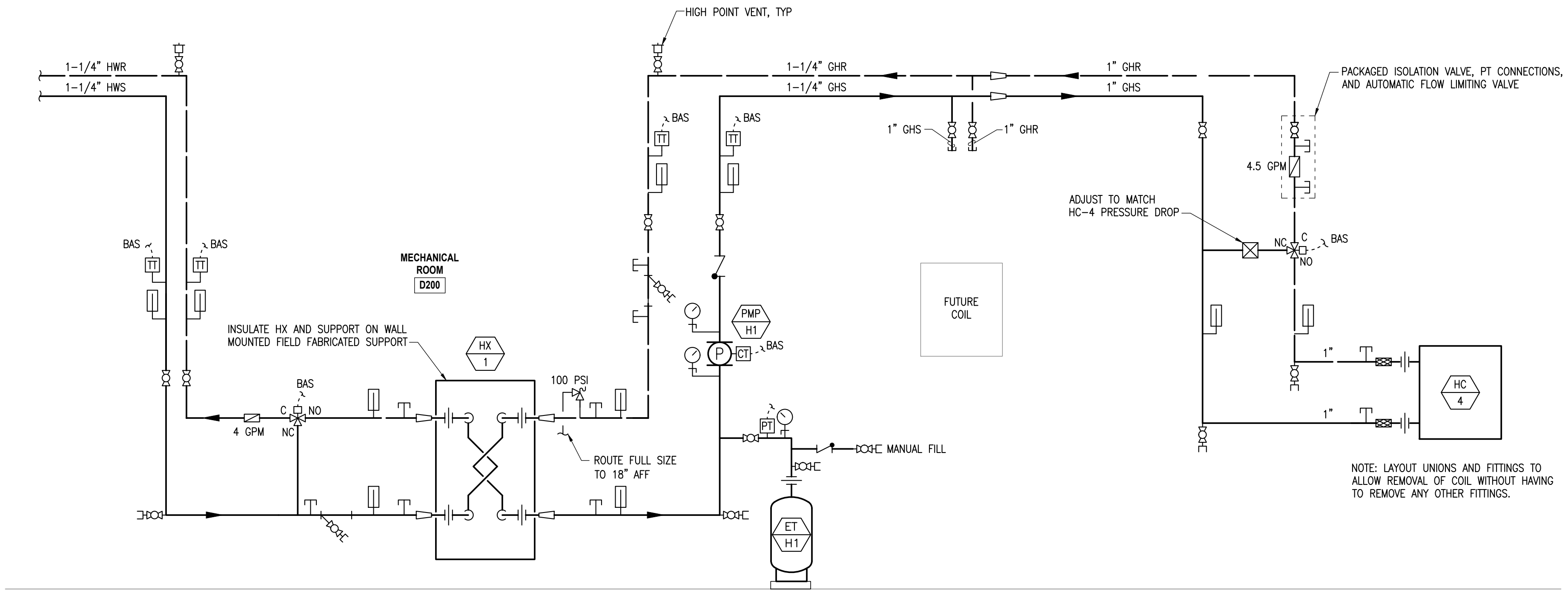
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**M4.02**



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Plot Date Time:    jntoc 10/4/2024 11:48 AM



**1** **DIAGRAM - CHILLED WATER SYSTEM**  
M5.01 SCALE: NONE



**2** **DIAGRAM - GLYCOL HEATING SYSTEM**  
M5.01 SCALE: NONE




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Sheet Contents
DIAGRAMS - HEATING AND COOLING

Sheet No.

M5.01



**GENERAL NOTES**

1. COMPLY WITH NATIONAL ELECTRICAL CODE 2017 EDITION, PVMC CONSTRUCTION STANDARDS AND CITY OF VALDEZ REQUIREMENTS.

2. THE LOCATIONS OF ELECTRICAL DEVICES OR LIGHTING FIXTURES INDICATED ON ARCHITECTURAL PLANS ELEVATIONS OR SECTIONS TAKE PRECEDENCE OVER LOCATIONS INDICATED ON THE ELECTRICAL DRAWINGS.

3. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LIGHTING FIXTURE LOCATIONS.

4. FOR LIGHTING CONTROLS WHICH INCLUDE DAYLIGHT OR OCCUPANT SENSING AUTOMATIC CONTROLS, AUTOMATIC SHUT-OFF CONTROLS, OCCUPANCY SENSORS OR AUTOMATIC TIME SWITCHES THE LIGHTING CONTROLS SHALL BE TESTED TO ENSURE THAT CONTROL DEVICES, COMPONENTS, EQUIPMENT AND SYSTEMS ARE CALIBRATED, ADJUSTED AND OPERATE IN ACCORDANCE WITH PROJECT PLANS AND SPECIFICATIONS. SEQUENCE OF OPERATION SHALL ALSO BE FUNCTIONALLY TESTED TO ENSURE IT IS OPERATING IN ACCORDANCE WITH PROJECT PLANS AND SPECIFICATIONS. A COMPLETE REPORT OF TEST PROCEDURES AND RESULTS SHALL BE PREPARED AND FILED WITH THE OWNER.

**TYPICAL MOUNTING HEIGHTS**

SPECIAL OUTLET HEIGHTS ARE SHOWN ON THE ELECTRICAL DRAWINGS OR ON THE ARCHITECTURAL DRAWINGS. IF SPECIAL OUTLET HEIGHTS ARE NOT SHOWN OR REQUIRED, THEN LOCATE OUTLETS AS NOTED BELOW. OUTLET HEIGHTS ARE MEASURED FROM THE FINISHED FLOOR TO THE CENTERLINE OF THE OUTLET UNLESS OTHERWISE NOTED.

RECEPTACLES      18 INCHES (460mm) VERTICALLY MOUNTED

LIGHT SWITCHES      48 INCHES (1200mm) VERTICALLY MOUNTED

CLOCK OUTLET      80 INCHES (2030mm)

PANELBOARDS      72 INCHES (1830mm) TO TOP OF PANELBOARD

TELEPHONE OUTLET – DESK      18 INCHES (460mm) VERTICALLY MOUNTED

TELEPHONE OUTLET – WALL      54 INCHES (1370mm) VERTICALLY MOUNTED

COMPUTER OUTLET – DESK      18 INCHES (460mm) VERTICALLY MOUNTED

FIRE ALARM PULL STATION      48 INCHES (1200mm)

FIRE ALARM AUDIBLE NOTIFICATION DEVICE      TOP EDGE NOT LESS THAN 90 INCHES (2300mm) AFF AND NOT LESS THAN 6 INCHES (150mm) BELOW CEILING. 6 INCHES (150mm) BELOW CEILING SHALL TAKE PRECEDENCE WHERE CEILING HEIGHT DOES NOT ALLOW BOTH DIMENSIONS

FIRE ALARM VISUAL AND COMBINATION AUDIBLE/VISUAL NOTIFICATION DEVICE      BOTTOM EDGE SHALL BE AT 80 INCHES (2030mm) AFF OR 6 INCHES (150mm) BELOW CEILING HEIGHT, WHICHEVER IS LOWER

FIRE ALARM CONTROL PANEL      72 INCHES (1830mm)

ELECTRICAL DRAWING INDEX	
E0.01	ELECTRICAL LEGEND AND ABBREVIATIONS
E0.02	LIGHTING FIXTURE AND PANEL SCHEDULES
E0.03	PANEL SCHEDULES
E0.04	PANEL SCHEDULES & DETAIL
E0.05	ELECTRICAL SPECIFICATIONS
E1.01	SITE PLAN – ELECTRICAL – DEMOLITION & REVISED
E1.10	OVERALL PLAN – LEVEL 1
E1.11	OVERALL PLAN – PENTHOUSE – ELECTRICAL
E2.01	FLOOR PLAN – ELECTRICAL – DEMOLITION
E3.01	FLOOR PLAN – LIGHTING
E3.02	FLOOR PLAN – POWER
E3.03	FLOOR PLAN – SPECIAL SYSTEMS
E4.01	ENLARGED PLAN – MECH-ELEC ROOM
E5.01	DIAGRAM – TELECOM & NURSE CALL ONE-LINES
E5.02	DIAGRAM – POWER ONE-LINE

GENERAL	
SYMBOL	DESCRIPTION
	SHEET NOTE CONVENTION: REFERENCED SHEET NOTE GENERAL SHEET NOTE
	FEEDER IDENTIFICATION TAG
	FEEDER NUMBER
	DETAIL REFERENCE
	DETAIL NUMBER
	SHEET WHERE DETAIL APPEARS
	SECTION REFERENCE
	SECTION NUMBER
	SHEET WHERE SECTION APPEARS
	REVISION SYMBOL
	LINE WORK CONVENTION:  NEW OR REINSTALLED ITEM ITEM TO BE DEMOLISHED EXISTING ITEM TO REMAIN FUTURE ITEM EXISTING ITEM TO BE RELOCATED
	CONDUIT/FEEDER LINE CONVENTION:  CONCEALED UNDERGROUND OR CONCEALED IN FLOOR EXPOSED FLEXIBLE CONDUIT
	LIGHT SWITCH CIRCUIT IDENTIFICATION LOWER CASE LETTER(S) INDICATES SWITCH LEG
	CIRCUITING CONVENTION CIRCUIT NUMBER(S) PANEL
	BRANCH CIRCUIT HOMERUN TO PANELBOARD NUMBER OF MARKS INDICATE NUMBER OF CONDUCTORS IN RACEWAY, NOT COUNTING GROUNDING CONDUCTORS. (ABSENCE OF MARKS INDICATE TWO CONDUCTORS, PLUS ANY REQUIRED GROUNDS) NUMBER OF ARROWS INDICATE NUMBER OF CIRCUITS UNSWITCHED CONDUCTORS SHOWN ON HOMERUN SIDE OF NEUTRAL NEUTRAL SWITCHED CONDUCTORS SHOWN ON LOAD SIDE OF NEUTRAL

ELECTRICAL ABBREVIATIONS			
ACS	ACCESS CONTROL SYSTEM	MM	MULTIMODE FIBER OPTIC CABLE
AFF	ABOVE FINISHED FLOOR	MTR	MAIN TELECOM ROOM
AFG	ABOVE FINISHED GRADE	NEC	NATIONAL ELECTRICAL CODE
AL	ALUMINUM	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
APPROX	APPROXIMATE	NIC	NOT IN CONTRACT
AHJ	AUTHORITY HAVING JURISDICTION	NL	NIGHT LIGHT
BAS	BUILDING AUTOMATION SYSTEM	NC	NORMALLY CLOSED
CKT	CIRCUIT	NO	NORMALLY OPEN
CCTV	CLOSED CIRCUIT TELEVISION	N/A	NOT APPLICABLE
CMH	COMMUNICATIONS MANHOLE	NIC	NOT IN CONTRACT
C	CONDUIT	NTS	NOT TO SCALE
C.O.	CONDUIT ONLY	OFC	OPTICAL FIBER CABLE
CU	COPPER	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
D	DEMOLISH	OFOI	OWNER FURNISHED, OWNER INSTALLED
DB	DECIBEL	PA	PUBLIC ADDRESS
EL	EMERGENCY LIGHT	PACS	PAGING ANNOUNCEMENT CONTROL SYSTEM
ELU	EMERGENCY LIGHTING UNIT	PH	PHASE (ELECTRICAL)
ENL	EMERGENCY NIGHT LIGHT	PLC	PROGRAMMABLE LOGIC CONTROLLER
(E)	EXISTING	PMCS	POWER MONITORING CONTROL SYSTEM
(F)	FUTURE	PVMC	PROVIDENCE VALDEZ MEDICAL CENTER
FAA	FIRE ALARM ANNUNCIATOR	SM	SINGLEMODE FIBER OPTIC CABLE
FACP	FIRE ALARM CONTROL PANEL	SMR	SURFACE MOUNTED RACEWAY
FO	FIBER OPTIC	SPD	SURGE PROTECTIVE DEVICE
FOPP	FIBER OPTIC PATCH PANEL	TELECOM	TELECOMMUNICATION
FSD	FIRE/SMOKE DAMPER	TR	TELECOMMUNICATION ROOM
HZ	FREQUENCY	TYP	TYPICAL
HP	HORSEPOWER	UNLESS OTHERWISE NOTED	
IAW	IN ACCORDANCE WITH	VR	VANDAL RESISTANT
K	KELVIN	VSD	VARIABLE SPEED DRIVE
KVA	KILO VOLT-AMPS	VAC	VOLTS (ALTERNATING CURRENT)
KW	KILOWATT	VDC	VOLTS (DIRECT CURRENT)
MCC	MOTOR CONTROL CENTER	V	VOLTS OR VOLTAGE
MCP	MOTOR CONTROL PANEL	W	WATT
MDS	MAIN DISTRIBUTION SWITCHBOARD	WP	WEATHERPROOF
MIN	MINIMUM	WG	WIRE GUARD

LIGHTING	
SYMBOL	DESCRIPTION
	LIGHTING FIXTURE
	LIGHTING FIXTURE – WALL MOUNTED
	LIGHTING FIXTURE – SURFACE OR PENDANT MOUNTED
	LIGHTING FIXTURE – RECESS MOUNTED
	LIGHTING FIXTURE CONNECTED TO EMERGENCY POWER CIRCUIT
	LIGHTING FIXTURE CONNECTED TO EMERGENCY POWER CIRCUIT, NIGHT LIGHT
	LIGHTING FIXTURE(S) – TRACK MOUNTED
	EXIT FIXTURE – WALL MOUNTED SHADED AREA(S) DENOTE FACE(S) OF SIGN, ARROWS AS NOTED (FIXTURE TYPE EX)
	EXIT FIXTURE – CEILING MOUNTED SHADED AREA(S) DENOTE FACE(S) OF SIGN, ARROWS AS NOTED (FIXTURE TYPE EX)
	EMERGENCY LIGHTING UNIT – WALL MOUNTED (FIXTURE TYPE XA)
	EMERGENCY LIGHTING UNIT – CEILING MOUNTED (FIXTURE TYPE XA)
	SITE LIGHTING – POLE MOUNTED
	SINGLE POLE SWITCH
	THREE-WAY SWITCH
	FOUR-WAY SWITCH
	SWITCH FOR FIXTURES MARKED 'a'
	DIMMER SWITCH
	KEYED SWITCH
	MOMENTARY SWITCH
	OCCUPANCY SENSOR/SWITCH
	PILOT LIGHTED SWITCH
	PHOTOCELL
	DAYLIGHT SENSOR
	OCCUPANCY SENSOR – WALL MOUNTED
	OCCUPANCY SENSOR – CEILING MOUNTED
	LOW VOLTAGE SWITCH(ES) FOR FIXTURES MARKED 'a', 'b', 'c' AS NOTED
	KEYED LOW VOLTAGE SWITCH(ES) FOR FIXTURES MARKED 'a', 'b', 'c', ETC

POWER	
SYMBOL	DESCRIPTION
<b>RECEPTACLE MOUNTING:</b>	
	RECEPTACLE – WALL MOUNTED (SEE "RECEPTACLE TYPES" BELOW)
	RECEPTACLE – FLOOR MOUNTED (SEE "RECEPTACLE TYPES" BELOW)
	RECEPTACLE – CEILING MOUNTED (SEE "RECEPTACLE TYPES" BELOW)
	RECEPTACLE – CEILING MOUNTED DROP CORD (SEE "RECEPTACLE TYPES" BELOW)
<b>RECEPTACLE TYPES:</b>	
	DUPLEX RECEPTACLE
	GROUND FAULT INTERRUPTER, DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE, SPLIT WIRED, TOP SWITCHED
	DOUBLE DUPLEX RECEPTACLE
	GROUND FAULT INTERRUPTER, DOUBLE DUPLEX RECEPTACLE
	RANGE RECEPTACLE – 50 AMP/250 VOLT
	EMERGENCY POWER DUPLEX RECEPTACLE
	EMERGENCY POWER GROUND FAULT INTERRUPTER, DUPLEX RECEPTACLE
	EMERGENCY POWER DUPLEX RECEPTACLE, SPLIT WIRED, TOP SWITCHED
	EMERGENCY POWER DOUBLE DUPLEX RECEPTACLE
	EMERGENCY POWER GROUND FAULT INTERRUPTER, DOUBLE DUPLEX RECEPTACLE
<b>ELECTRICAL DEVICES/EQUIPMENT:</b>	
	SPECIAL PURPOSE RECEPTACLE, 3 PHASE NEMA TYPE AS NOTED
	SPECIAL PURPOSE RECEPTACLE, 1 PHASE NEMA TYPE AS NOTED
	EQUIPMENT CONNECTION
	POWER POLE
	MOTOR
	SWITCH – THERMAL TRIP WITH HEATER
	FUSED DISCONNECT
	NON-FUSED DISCONNECT
	COMBINATION STARTER/FUSED DISCONNECT
	STARTER OR CONTACTOR
	ENCLOSED CIRCUIT BREAKER
	JUNCTION BOX AND/OR CONNECTION TO EQUIPMENT
	VARIABLE SPEED DRIVE
	PANEL – SURFACE MOUNTED
	PANEL – FLUSH MOUNTED
	ELECTRICAL EQUIPMENT
	ELECTRICAL EQUIPMENT
	TRANSFORMER

SPECIAL SYSTEMS	
SYMBOL	DESCRIPTION
<b>FIRE ALARM:</b>	
	MULTI-CANDELA HORN/STROBE – WALL MOUNTED 15 CANDELA UNLESS OTHERWISE NOTED.
	MULTI-CANDELA CHIME/STROBE – WALL MOUNTED
	MULTI-CANDELA CHIME/STROBE – CEILING MOUNTED
	MULTI-CANDELA STROBE – WALL MOUNTED 15 CANDELA UNLESS OTHERWISE NOTED.
	MULTI-CANDELA STROBE – CEILING MOUNTED 15 CANDELA UNLESS OTHERWISE NOTED.
	MULTI-CANDELA SPEAKER/STROBE 15 CANDELA UNLESS OTHERWISE NOTED.
	ELECTRONIC HORN
	AUDIBLE NOTIFICATION APPLIANCE
	SPRINKLER BELL (120VAC) "10 INCH" "RED" WEATHER PROOF BACK BOX
	SSD SMOKE DETECTOR "PHOTO"
	SSD STANDARD DETECTOR BASE
	PHOTOELECTRIC SMOKE DETECTOR W/ CARBON MONOXIDE SENSOR BASE
	SSD HEAT DETECTOR "135" R.R.
	SSD STANDARD DETECTOR BASE
	SSD HEAT DETECTOR, FIXED "194" STANDARD DETECTOR BASE
	ADDRESSABLE 2-WIRE DUCT SENSOR
	REMOTE TEST STATION/KEY SWITCH
	MANUAL PULL STATION – SINGLE ACTION
	FIRE ALARM REMOTE ANNUNCIATOR PANEL
	CONTROL RELAY IAM MODULE
	SINGLE INPUT MODULE
	DUAL INPUT MODULE
	COMBINATION WATERFLOW/TAMPER MODULE
	FIRE ALARM GRAPHIC MAP
	DOOR HOLDER, 24/12 SEMI-FLUSH
	FIRE ALARM CONTROL PANEL (4100U)
	REMOTE BOOSTER POWER SUPPLY PANEL
	INDIVIDUAL MODULE
	SUPERVISED INDIVIDUAL ADDRESSABLE MODULE
	INDIVIDUAL ADDRESSABLE MODULE RELAY
	BATTERY CABINET
	SOLENOID
	FIRE SMOKE DAMPER
	FLOW SWITCH
	FLOW SWITCH
	TAMPER SWITCH
	TAMPER SWITCH
	PRESSURE SWITCH
	PRESSURE SWITCH
	END OF LINE DEVICE

SPECIAL SYSTEMS	
SYMBOL	DESCRIPTION
<b>AUDIO VISUAL:</b>	
	SPEAKER – CEILING OR PENDANT MOUNTED
	SPEAKER – WALL MOUNTED
	TELEVISION OUTLET
	CLOCK – ANALOG
	CLOCK – DIGITAL
	ANALOG CLOCK/SPEAKER UNIT
	DIGITAL CLOCK/SPEAKER UNIT
	AUDIO/VISUAL HEADEND EQUIPMENT

SPECIAL SYSTEMS	
SYMBOL	DESCRIPTION
<b>SECURITY:</b>	
	SECURITY – DOOR CONTACT
	SECURITY – DOOR DEVICE (ELECTRONIC LOCK)
	SECURITY – DOOR DEVICE (ELECTRONIC STRIKE)
	SECURITY – DOOR DEVICE (MAGNETIC DOOR LOCK)
	REQUEST TO EXIT SENSOR
	DELAYED EGRESS
	SECURITY – KEYPAD
	SECURITY – CARD READER
	SECURITY – CAMERA (PAN/TILT/ZOOM)
	SECURITY – CAMERA (FIXED)
	SECURITY – HEADEND
<b>NURSE CALL:</b>	
	CEILING MOUNTED, WALL MOUNTED
	CEILING MOUNTED, WALL MOUNTED
	NURSE DUTY STATION
	AUXILIARY INPUT JACKS
	EMERGENCY PULL CORD STATION
	PROGRAMMABLE BUTTON STATION
	PATIENT STATION – WALL STATION
	PATIENT STATION – DOUBLE BED STATION
	BED STATION WITH CALL CORD IN LIEU OF PILLOW SPEAKER
	PATIENT STATION – BED STATION
	CODE STATION – CODE BLUE
	CODE STATION – CODE WHITE
	CODE STATION – CODE PINK
	CODE STATION – CODE PURPLE
	CODE STATION – CODE PINK/PURPLE
	CODE STATION – CODE BLUE/WHITE
	MASTER STATION
	NURSE CALL HEADEND

SPECIAL SYSTEMS	
SYMBOL	DESCRIPTION
<b>TELECOM AND SOUND:</b>	
	TELECOMMUNICATION OUTLET – WALL MOUNTED, X DENOTES NUMBER OF PORTS IF OTHER THAN ONE.
	TELECOMMUNICATION OUTLET – FLOOR MOUNTED DENOTES NUMBER OF PORTS IF OTHER THAN ONE.
	TELECOMMUNICATION OUTLET – CEILING MOUNTED DENOTES NUMBER OF PORTS IF OTHER THAN ONE.
	TELEPHONE OUTLET, SINGLE JACK – WALL MOUNTED
	INTERCOM SPEAKER – CEILING MOUNTED
	INTERCOM – SOUND SYSTEM HEADEND
	PUBLIC ADDRESS SPEAKER – CEILING MOUNTED, WALL MOUNTED
	MICROPHONE JACK – FLOOR MOUNTED, WALL MOUNTED
	VOLUME CONTROL – WALL MOUNTED
	PUBLIC ADDRESS – SOUND SYSTEM HEADEND
	WANDER MANAGEMENT TRANSCEIVER – CEILING MOUNT
	WANDER MANAGEMENT KEYPAD

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65% DESIGN DEVELOPMENT

23320

PROVIDENCE VALDEZ MEDICAL CENTER  
LONG TERM CARE  
EXPANSION  
911 MEALS AVE, VALDEZ, ALASKA 99686

Revisions		
No.	Description	Date

Drawn by DSD	Date 10/04/2024
Checked KAC	Job No. 23042.01

Sheet Contents

ELECTRICAL LEGEND AND ABBREVIATIONS

Sheet No.

**E0.01**



X:\23320 P\VMCLTCDwg\SheetFiles\23320 - E0.02.dwg

D

C

B

A

Plot Date Time:    Infr 10/04/2024 11:54 AM

EHCC(E)																EXISTING PANEL																																																																	
LOCATION: CORRIDOR C117 FED FROM: CRITICAL BRANCH ATS-CRIT MOUNTING: FLUSH								VOLTS: 480/277 Wye PHASES: 3 WIRES: 4				A.I.C. RATING: 18,000 MAINS TYPE: LUGS RATING: 225A																																																																					
CKT#	CIRCUIT DESCRIPTION			AMP	POLE	VA-PHASE A	VA-PHASE B	VA-PHASE C	POLE	AMP	CIRCUIT DESCRIPTION			CKT#																																																																			
1	SPARE			20	1				1	20	LTG - AREA C			2																																																																			
3	LTG - AREA C			20	1				1	20	LTG - AREA C			4																																																																			
5	LTG - AREA C			20	1				1	20	SPARE			6																																																																			
7	SPARE			20	1				3	100	PANEL EHCB - B112			8																																																																			
9	SPARE			20	1				--	--				10																																																																			
11	SPARE			20	1				--	--				12																																																																			
13	PANEL ETCC - C120			100	3				1	20	EHIS - B119			14																																																																			
15				--	--				1	20	SPACE			16																																																																			
17				--	--				1	20	SPACE			18																																																																			
19	SPARE			60	3				1	20	LTG - AREA C			20																																																																			
21				--	--				1	20	LTG - AREA C			22																																																																			
23				--	--				1	20	LTG - AREA C			24																																																																			
25	SPARE			30	3				1	20	LTG - AREA C			26																																																																			
27				--	--				3	100	PANEL EHCD - LTC EXPANSION			28																																																																			
29				--	--				--	--				30																																																																			
31	SPACE			20	1				--	--				32																																																																			
33	SPACE			20	1				1	20	SPARE			34																																																																			
35	SPACE			20	1				1	20	SPARE			36																																																																			
37	SPACE			20	1				1	20	SPARE			38																																																																			
39	SPACE			20	1				1	20	SPARE			40																																																																			
41	SPACE			20	1				1	20	SPARE			42																																																																			
<table><tr><td colspan="2" rowspan="2">PANEL</td><td rowspan="2">LOAD AMPS</td><td>PHASE A</td><td>PHASE B</td><td>PHASE C</td></tr><tr><td>0.0 kVA 0 A</td><td>0.0 kVA 0 A</td><td>0.0 kVA 0 A</td></tr></table>																		PANEL		LOAD AMPS	PHASE A	PHASE B	PHASE C	0.0 kVA 0 A	0.0 kVA 0 A	0.0 kVA 0 A																																																							
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			0.0 kVA 0 A	0.0 kVA 0 A	0.0 kVA 0 A																																																																												
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LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	TOTAL LOAD WITH NEC FACTORS	PANEL TOTALS																																																																													
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RECEPTACLE	0 VA	0%	0																																																																														
LOAD TYPE	0 VA	55%	0																																																																														
NOTES:																																																																																	

EDPQ2(E)											EXISTING PANEL
LOCATION: PENTHOUSE FED FROM: EDPQ1 MOUNTING: SURFACE					VOLTS: 480/277 Wye PHASES: 3 WIRES: 4					A.I.C. RATING: -- MAINS TYPE: LUGS RATING: 600A	
CKT#	CIRCUIT DESCRIPTION	AMP	POLE	VA-PHASE A	VA-PHASE B	VA-PHASE C	POLE	AMP	CIRCUIT DESCRIPTION	CKT#	
1		20	1				1	20		2	
3		20	1				1	20		4	
5		20	1				1	20		6	
7	PANEL EHQ2	100	3				3	60	PANEL H2	8	
9		---	---				---	---		10	
11		---	---				---	---		12	
13	CT-SCAN B134-1	200	3				3	200	RADIOGRAPHY B131-3	14	
15		---	---				---	---		16	
17		---	---				---	---		18	
19	MVD VACUUM PUMP	30	3				3	100	PANEL SF-2	20	
21		---	---				---	---		22	
23		---	---				---	---		24	
25	PANEL RF-2	30	3				3	30	PANEL HRU-2	26	
27		---	---				---	---		28	
29		---	---				---	---		30	
31	PANEL SF-3	30	3				3	60	PANEL H-2	32	
33		---	---				---	---		34	
35		---	---				---	---		36	
37	PANEL H-3	30	3				3	100	PANEL EHQ3	38	
39		---	---				---	---		40	
41		---	---				---	---		42	
				PHASE A		PHASE B		PHASE C			
PANEL		LOAD	0.0 kVA		0.0 kVA		0.0 kVA				
		AMPS	0 A		0 A		0 A				
LOAD TYPE		CONNECTED LOAD	DEMAND FACTOR		TOTAL LOAD WITH						
					NEC FACTORS						
CONTINUOUS		0 VA	125%		0						
LIGHTING		0 VA	100%		0						
MOTOR		0 VA	0%		0						
NON-CONTINUOUS		0 VA	100%		0						
RECEPTACLE		0 VA	0%		0						

LIGHTING FIXTURE SCHEDULE					
TYPE	DESCRIPTION	COLOR TEMP	LUMENS	POWER (W)	MOUNTING
A1	LITHONIA 2BLT2-40L-ADSM-MVOLT-EZ1-LP835 2'X2', LED VOLUMETRIC TROFFER, ACRYLIC DIFFUSER, MATTE WHITE FINISH CURVED SMOOTH DIFFUSER, MULTIVOLT DRIVER	3500K	4000	32	RECESSED CEILING
A2	LITHONIA 2BLT2-40L-ADSM-MVOLT-EZ1-LP835 DGA22 SAME AS TYPE A1, EXCEPT WITH DRYWALL GRID ADAPTER ACCESSORY DGA22.	3500K	4000	32	RECESSED CEILING
B1	LITHONIA 2BLT4-48L-ADSM-MVOLT-EZ1-LP835 2'X4', LED VOLUMETRIC TROFFER, ACRYLIC DIFFUSER, MATTE WHITE FINISH CURVED SMOOTH DIFFUSER,MULTIVOLT DRIVER	3500K	5000	40	RECESSED CEILING
B2	LITHONIA 2BLT4-48L-ADSM-MVOLT-EZ1-LP835 DGA24 SAME AS TYPE B1, EXCEPT WITH DRYWALL GRID ADAPTER ACCESSORY DGA24.	3500K	5000	40	RECESSED CEILING
C1	LITHONIA LDN4-35/1500-L04/AR-LSS-MVOLT-GZ10-TRW 4" ROUND DOWNLIGHT, SEMI-SPECULAR FINISH, MULTIVOLT DRIVER	3500K	1500	18	RECESSED CEILING
C2	LITHONIA LDN4-35/700-L04/AR-LSS-MVOLT-GZ10-TRW SAME AS C1, EXCEPT 700 LUMENS	3500K	700	9	RECESSED CEILING
D	KENALL MAUCLED-I-MW-20L35K-48-277 4" UNDERCABINET, MATTE WHITE ANTIMICROBIAL FINISH	3500K	2000	22	SURFACE UNDER CABINET
D2	KENALL MAUCLED-I-MW-11L35K-24-277 SAME AS D, EXCEPT 2' LENGTH	3500K	1300	15	SURFACE UNDER CABINET
F	LITHONIA LDN10RV-35/40-LR10/AR-LS-MVOLT-GZ10-TRW 10" ROUND LED RETROFIT DOWNLIGHT, SPECULAR FINISH, WHITE PAINTED FLANGE, MULTIVOLT DRIVER	3500K	4000	45	RECESSED CEILING
G	LITHONIA ZL1N-L48-5000LM-FST-MVOLT-40K-80CRI-WH 4' LINEAR LED STRIPLIGHT, FROSTED DIFFUSER, MULTIVOLT DRIVER	4000K	4600	34	SURFACE CEILING OR PENDANT TO 9'-0" AFF
G2	LITHONIA ZL1N-L24-2500LM-FST-MVOLT-40K-80CRI-WH 2' LINEAR LED STRIPLIGHT, FROSTED DIFFUSER, MULTIVOLT DRIVER	4000K	2300	19	SURFACE CEILING OR PENDANT TO 9'-0" AFF
SA	LUMINAIRE LED ARV13-XRV-NODIM-25-35K-MVOLT-CLP-GRAY 13" CIRCULAR DOME, CLEAR PRISMATIC POLYCARBONATE LENS, VANDAL RESISTANT, WET LOCATION LISTING, GRAY FINISH, MULTIVOLT DRIVER	3500K	3250	28	SURFACE BUILDING EXTERIOR. ELEVATION AS NOTED ON DRAWINGS
SA2	LUMINAIRE LED ARV13-XRV-NODIM-25-35K-MVOLT-OP-GRAY SAME AS SA, EXCEPT OPAL LENS.	3500K	2350	28	SURFACE UNDER CANOPY
EX	LITHONIA LQM-S-W-X-G-120/277 EXIT SIGN, STENCIL FACE TYPE, 1 OR 2 FACES AS SHOWN ON DRAWINGS, GREEN LETTER COLOR, ARROWS AS SHOWN ON DRAWINGS	N/A	N/A	7	WALL OVER DOOR OR CEILING AS NOTED
LIGHTING FIXTURE SCHEDULE NOTES					
1 REFER TO SPECIFICATION SECTIONS 26 50 00 FOR ADDITIONAL REQUIREMENTS REGARDING LIGHT FIXTURES, LED LAMPS AND DRIVERS.					
2 PROVIDE AN EMERGENCY CIRCUIT CONNECTION (CIRCUIT AS NOTED ON DRAWINGS) TO ALL EXIT SIGNS AND EMERGENCY LIGHTING FIXTURES. WIRING FOR FIXTURES CONNECTED TO EMERGENCY CIRCUITS SHALL BE KEPT ENTIRELY INDEPENDENT OF ALL OTHER WIRING AND EQUIPMENT IN ACCORDANCE WITH NEC ARTICLE 700.					

HDP(E)										EXISTING PANEL	
LOCATION: PENTHOUSE FED FROM: MSB MOUNTING: SURFACE				VOLTS: 480/277 Wye PHASES: 3 WIRES: 4				A.I.C. RATING: 10,000 MAINS TYPE: CIRCUIT BREAKER RATING: 400A			
CKT#	CIRCUIT DESCRIPTION	AMP	POLE	VA-PHASE A	VA-PHASE B	VA-PHASE C	POLE	AMP	CIRCUIT DESCRIPTION	CKT#	
1		20	1				1	20		2	
3		20	1				1	20		4	
5		20	1				1	20		6	
7		20	1				1	20		8	
9		20	1				1	20		10	
11		20	1				1	20		12	
13		20	1				1	20		14	
15		20	1				1	20		16	
17		20	1				1	20		18	
19		20	1				1	20		20	
21		20	1				1	20		22	
23		20	1				1	20		24	
25		20	1				3	100	PANEL HC	26	
27		20	1				---	---		28	
29		20	1				---	---		30	
31	PANEL HB	150	3				3	100	PANEL LK VIA XFMR TK	32	
33		---	---				---	---		34	
35		---	---				---	---		36	
37	PANEL HA	150	3	360			3	100	PANEL HD	38	
39		---	---		180		---	---		40	
41		---	---			180	---	---		42	

PANEL	LOAD AMPS	PHASE A	PHASE B	PHASE C
		0.4 kVA 1 A	0.2 kVA 1 A	0.2 kVA 1 A

LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	TOTAL LOAD WITH NEC FACTORS	PANEL TOTALS
CONTINUOUS	0 VA	125%	0	
LIGHTING	0 VA	100%	0	
MOTOR	0 VA	0%	0	
NON-CONTINUOUS	0 VA	100%	0	
RECEPTACLE	720 VA	100%	720	
LOAD TYPE	0 VA	55%	0	
NOTES:				



AECC561

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ALASKA

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191 E. Swanson Avenue, Suite 203  
Wasilla

[illegible]

ELQ3

LOCATION: LTC EXPANSION – MECH/ELEC RM

FED FROM: EH03

MOUNTING: SURFACE

VOLTS: 208/120 Wye

PHASES: 3

WIRES: 4

A.I.C. RATING: 10,000

MAINS TYPE: LUGS

RATING: 100A

CKT#	CIRCUIT DESCRIPTION	AMP	POLE	VA-PHASE A	VA-PHASE B	VA-PHASE C	POLE	AMP	CIRCUIT DESCRIPTION	CKT#
1	SUMP PUMP SYSTEM SP-1 (3/10HP)	20	1	225			2	20	PUMP PMP-C1 (1-1/2HP)	2
3	PUMP PMP-H1 (1/8HP)	20	1		180		---	---		4
5	UNIT HEATER UH-1 (1/8HP)	20	1			180	1	20		6
7	SUPPLY FAN SF-1	20	1				1	20		8
9		20	1				1	20		10
11		20	1				1	20		12
13		20	1				1	20		14
15		20	1				1	20		16
17		20	1			1000	1	20	T.B.D	18
19		20	1				1	20		20
21		20	1				1	20		22
23		20	1				1	20		24
25		20	1				1	20		26
27		20	1				1	20		28
29		20	1				1	20		30
31		20	1				1	20		32
33		20	1				1	20		34
35		20	1				1	20		36
37		20	1				1	20		38
39		20	1				1	20		40
41		20	1				1	20		42

PANEL

LOAD

AMPS

PHASE A

0.2 kVA

2 A

PHASE B

0.2 kVA

2 A

PHASE C

1.2 kVA

10 A

PANEL + SUBPANEL

TOTAL LOAD

TOTAL AMPS

PHASE A

0.2 kVA

2 A

PHASE B

0.2 kVA

2 A

PHASE C

1.2 kVA

10 A

PANEL + SUBPANEL

TOTAL LOAD

TOTAL AMPS

PHASE A

0.2 kVA

2 A

PHASE B

0.2 kVA

2 A

PHASE C

1.2 kVA

10 A

PANEL + SUBPANEL

TOTAL LOAD

TOTAL AMPS

PHASE A

0.2 kVA

2 A

PHASE B

0.2 kVA

2 A

PHASE C

1.2 kVA

10 A

PANEL + SUBPANEL

TOTAL LOAD

TOTAL AMPS

PHASE A

0.2 kVA

2 A

PHASE B

0.2 kVA

2 A

PHASE C

1.2 kVA

10 A

PANEL + SUBPANEL

TOTAL LOAD

TOTAL AMPS

PHASE A

0.2 kVA

2 A

PHASE B

0.2 kVA

2 A

PHASE C

1.2 kVA

10 A

PANEL + SUBPANEL

TOTAL LOAD

TOTAL AMPS

PHASE A

0.2 kVA

2 A

PHASE B

0.2 kVA

2 A

PHASE C

1.2 kVA

10 A

PANEL + SUBPANEL

TOTAL LOAD

TOTAL AMPS

PHASE A

0.2 kVA

2 A

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0.2 kVA

2 A

PHASE C

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PHASE B

0.2 kVA

2 A

PHASE C

1.2 kVA

10 A

PANEL + SUBPANEL

TOTAL LOAD

TOTAL AMPS

PHASE A

0.2 kVA

2 A

PHASE B

0.2 kVA

2 A

# HD

LOCATION: LTC EXPANSION – MECH/ELEC RM

FED FROM: HDP(E)

MOUNTING: SURFACE

VOLTS: 480/277 Wye

PHASES: 3

WIRES: 4

A.I.C. RATING: 10,000

MAINS TYPE: LUGS

RATING: 100A

CKT#	CIRCUIT DESCRIPTION	AMP	POLE	VA-PHASE A	VA-PHASE B	VA-PHASE C	POLE	AMP	CIRCUIT DESCRIPTION	CKT#
1		20	1				2	20		2
3		20	1				---	---		4
5		20	1				1	20		6
7		20	3				1	20		8
9		---	---				1	20		10
11		---	---				1	20		12
13		20	1				1	20		14
15		20	1				1	20		16
17		20	1				1	20		18
19		20	1				1	20		20
21		20	1				1	20		22
23		20	1				1	20		24
25		20	1				1	20		26
27		20	1				1	20		28
29		20	1				1	20		30
31		20	1				1	20		32
33		20	1				1	20		34
35		20	1				1	20		36
37		20	1	360			3	50	PANEL LD VIA XFMR TLD	38
39		20	1		180		---	---		40
41		20	1			180	---	---		42

PANEL

LOAD  
AMPS

PHASE A	PHASE B	PHASE C
0.4 kVA	0.2 kVA	0.2 kVA
1 A	1 A	1 A

LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	TOTAL LOAD WITH NEC FACTORS
CONTINUOUS	0 VA	125%	0
LIGHTING	0 VA	100%	0
MOTOR	0 VA	0%	0
NON-CONTINUOUS	0 VA	100%	0
RECEPTACLE	720 VA	100%	720
LOAD TYPE	0 VA	55%	0

PANEL TOTALS	
<b>TOTAL CONNECTED LOAD:</b>	0.7 kVA
<b>TOTAL NEC LOAD:</b>	0.7 kVA
<b>TOTAL CONNECTED AMPS:</b>	0.9 A
<b>TOTAL NEC AMPS:</b>	0.9 A

**NOTES:**

**LOCATION:** LTC EXPANSION – MECH/ELEC RM

**FED FROM:** HD

**MOUNTING:** SURFACE

# LD

**VOLTS:** 208/120 Wye

**PHASES:** 3

**WIRES:** 4

**A.I.C. RATING:** 10,000

**MAINS TYPE:** LUGS

**RATING:** 100A

CKT#	CIRCUIT DESCRIPTION	AMP	POLE	VA-PHASE A	VA-PHASE B	VA-PHASE C	POLE	AMP	CIRCUIT DESCRIPTION	CKT#
1	RECEPT – LTC 11 HEADWALL	20	1	180			2	20		2
3	RECEPT – LTC 12 HEADWALL	20	1		180		---	---		4
5	RECEPT – LTC 13 HEADWALL	20	1			180	1	20		6
7	RECEPT – LTC 14 HEADWALL	20	1	180			1	20		8
9		20	1				1	20		10
11		20	1				1	20		12
13		20	1				1	20		14
15		20	1				1	20		16
17		20	1				1	20		18
19		20	1				1	20		20
21		20	1				1	20		22
23		20	1				1	20		24
25		20	1				1	20		26
27		20	1				1	20		28
29		20	1				1	20		30
31		20	1				1	20		32
33		20	1				1	20		34
35		20	1				1	20		36
37		20	1				1	20		38
39		20	1				1	20		40
41		20	1				1	20		42

**PANEL**

LOAD AMPS

PHASE A	PHASE B	PHASE C
0.4 kVA	0.2 kVA	0.2 kVA
3 A	2 A	2 A

**PANEL + SUBPANEL**

TOTAL LOAD

TOTAL AMPS

PHASE A	PHASE B	PHASE C
0.4 kVA	0.2 kVA	0.2 kVA
3 A	2 A	2 A

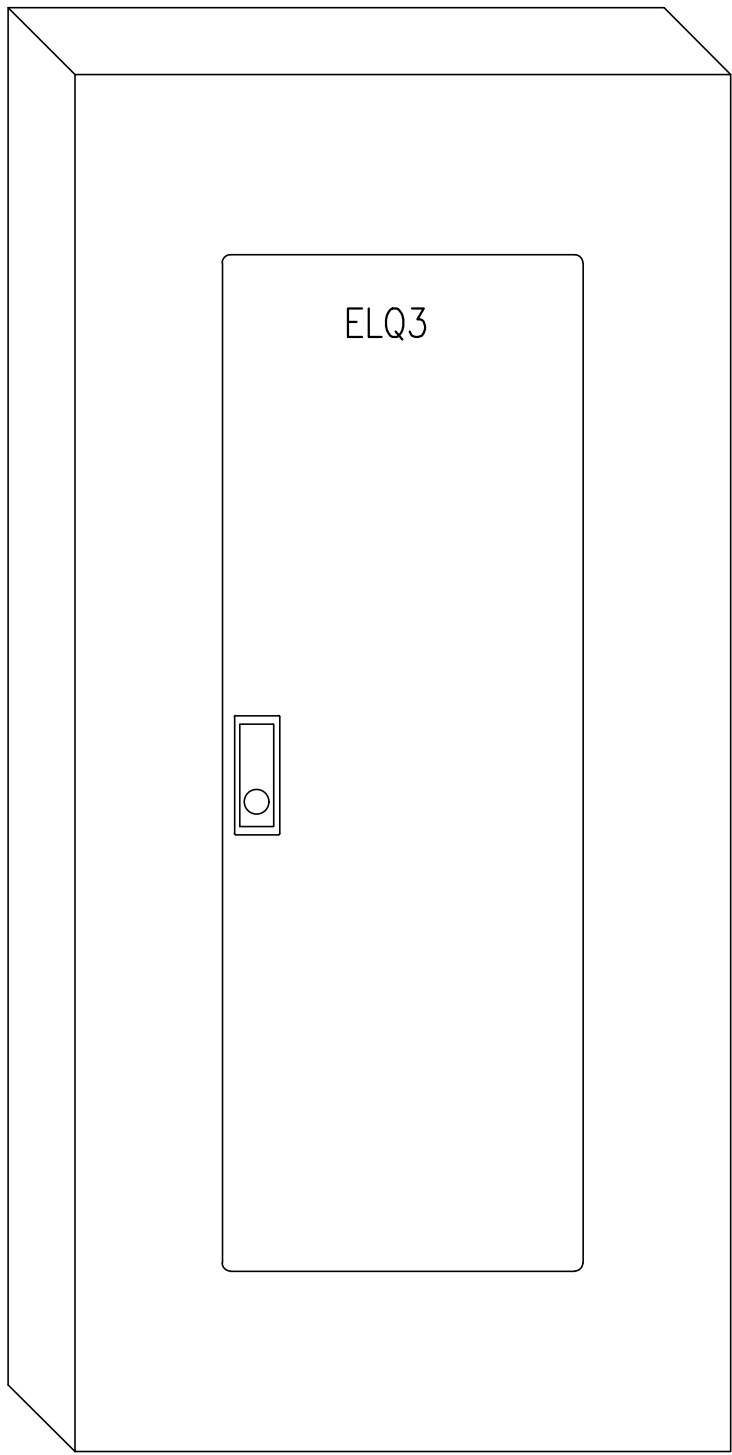
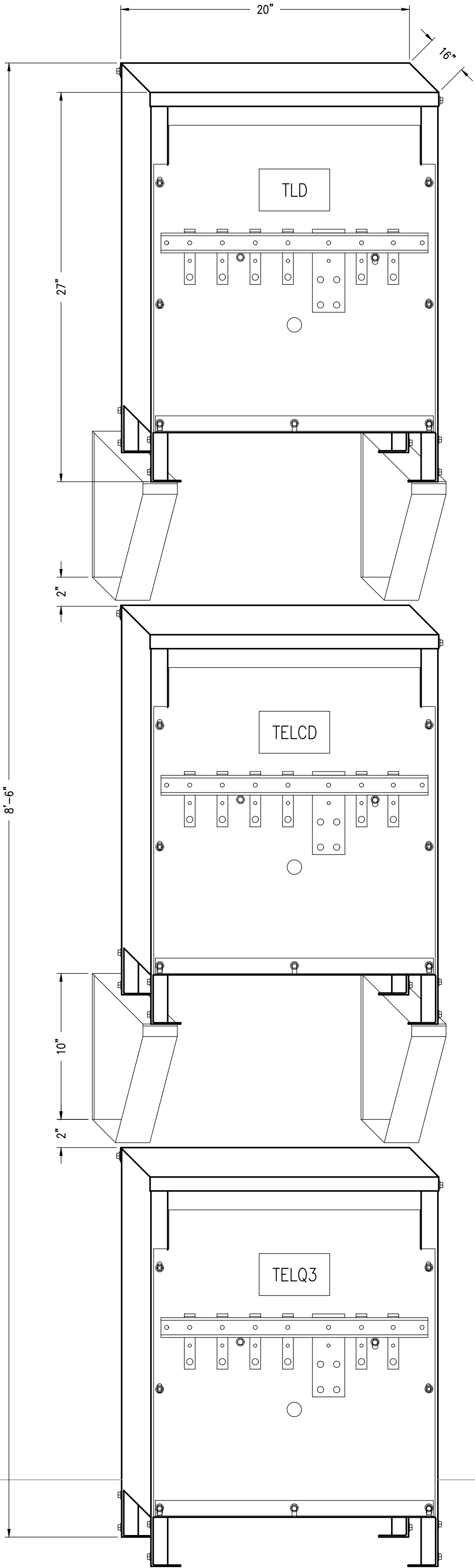
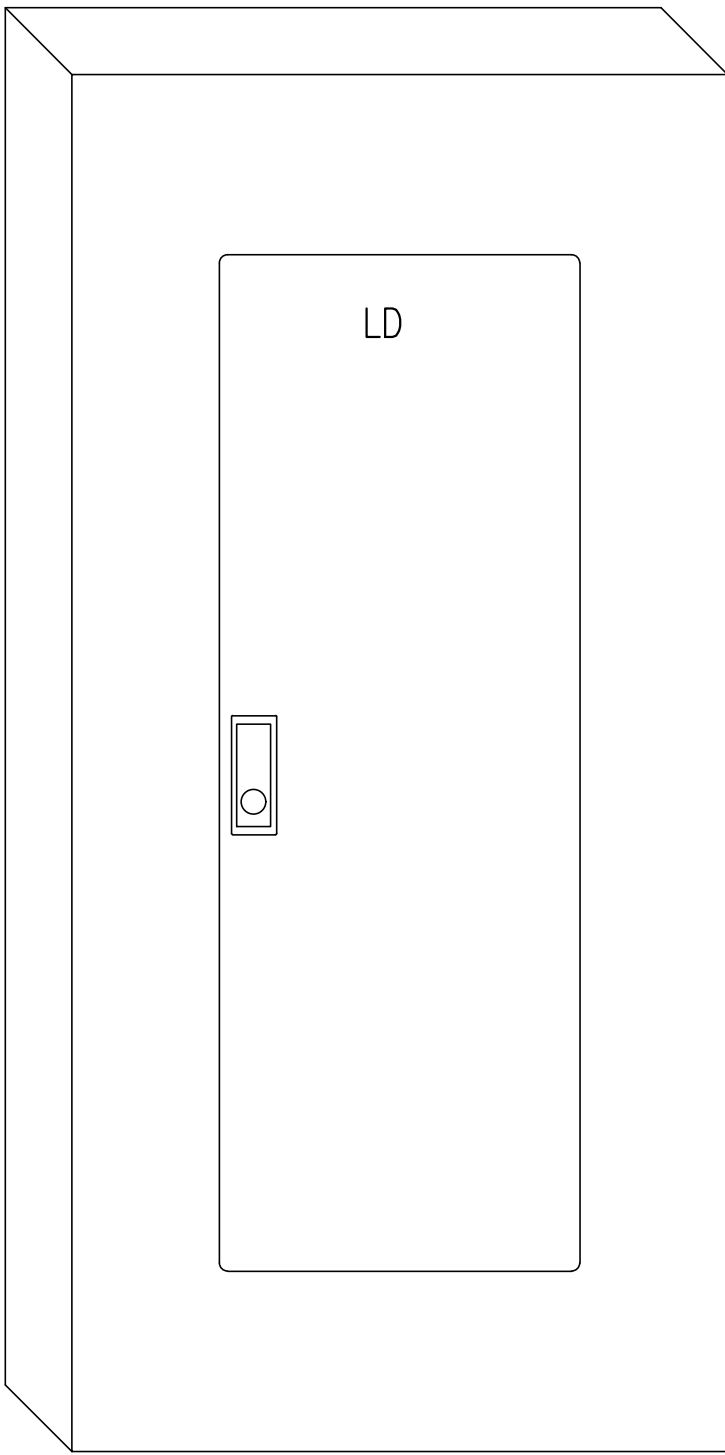
**SUBPANEL** NONE

LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	TOTAL LOAD WITH NEC FACTORS		PANEL TOTALS
CONTINUOUS	0 VA	125%	0		
LIGHTING	0 VA	100%	0		
MOTOR	0 VA	0%	0		
NON-CONTINUOUS	0 VA	100%	0		
RECEPTACLE	720 VA	100%	720		
LOAD TYPE	0 VA	55%	0		

**NOTES:**



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Plot Date Time: Infr 10/04/2024 11:54 AM



# 1 ELEVATION - TRANSFORMERS TELQ3, TELCD & TLD

E0.4

SCALE: NONE

EHCD													
LOCATION: LTC EXPANSION – MECH/ELEC RM						VOLTS: 480/277 Wye				A.L.C. RATING: 10,000			
FED FROM: EHCC						PHASES: 3				MAINS TYPE: LUGS			
MOUNTING: SURFACE						WIRES: 4				RATING: 100A			
CKT#	CIRCUIT DESCRIPTION	AMP	POLE	VA-PHASE A	VA-PHASE B	VA-PHASE C	POLE	AMP	CIRCUIT DESCRIPTION	CKT#			
1		20	1				2	20		2			
3		20	1				---	---		4			
5		20	1				1	20		6			
7		20	3				1	20		8			
9		---	---				1	20		10			
11		---	---				1	20		12			
13		20	1				1	20		14			
15		20	1				1	20		16			
17		20	1				1	20		18			
19		20	1				1	20		20			
21		20	1				1	20		22			
23		20	1				1	20		24			
25		20	1				1	20		26			
27		20	1				1	20		28			
29		20	1				1	20		30			
31		20	1				1	20		32			
33		20	1				1	20		34			
35		20	1				1	20		36			
37		20	1	360			3	50	PANEL ELCD VIA XFMR TELCD	38			
39		20	1		180		---	---		40			
41		20	1			180	---	---		42			
PANEL LOAD AMPS													
				PHASE A	PHASE B	PHASE C							
				0.4 kVA	0.2 kVA	0.2 kVA							
				1 A	1 A	1 A							
LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR		TOTAL LOAD WITH NEC FACTORS		PANEL TOTALS							
CONTINUOUS	0 VA	125%		0		TOTAL CONNECTED LOAD: 0.7 kVA							
LIGHTING	0 VA	100%		0		TOTAL NEC LOAD: 0.7 kVA							
MOTOR	0 VA	0%		0		TOTAL CONNECTED AMPS: 0.9 A							
NON-CONTINUOUS	0 VA	100%		0		TOTAL NEC AMPS: 0.9 A							
RECEPTACLE	720 VA	100%		720									
LOAD TYPE	0 VA	55%		0									
NOTES:													

ELCD																	
LOCATION: LTC EXPANSION – MECH/ELEC RM						VOLTS: 208/120 Wye						A.L.C. RATING: 10,000					
FED FROM: EHCD						PHASES: 3						MAINS TYPE: LUGS					
MOUNTING: SURFACE						WIRES: 4						RATING: 100A					
CKT#	CIRCUIT DESCRIPTION		AMP	POLE	VA-PHASE A	VA-PHASE B	VA-PHASE C	POLE	AMP	CIRCUIT DESCRIPTION		CKT#					
1	RECEPT – LTC 11 HEADWALL		20	1	180			2	20			2					
3	RECEPT – LTC 12 HEADWALL		20	1		180		---	---			4					
5	RECEPT – LTC 13 HEADWALL		20	1			180	1	20			6					
7	RECEPT – LTC 14 HEADWALL		20	1	180			1	20			8					
9			20	1				1	20			10					
11			20	1				1	20			12					
13			20	1				1	20			14					
15			20	1				1	20			16					
17			20	1				1	20			18					
19			20	1				1	20			20					
21			20	1				1	20			22					
23			20	1				1	20			24					
25			20	1				1	20			26					
27			20	1				1	20			28					
29			20	1				1	20			30					
31			20	1				1	20			32					
33			20	1				1	20			34					
35			20	1				1	20			36					
37			20	1				1	20			38					
39			20	1				1	20			40					
41			20	1				1	20			42					
PANEL			LOAD	PHASE A		PHASE B		PHASE C									
			AMPS	0.4 kVA		0.2 kVA		0.2 kVA									
				3 A		2 A		2 A									
PANEL + SUBPANEL			TOTAL LOAD	PHASE A		PHASE B		PHASE C		SUBPANEL NONE							
			TOTAL AMPS	0.4 kVA		0.2 kVA		0.2 kVA									
				3 A		2 A		2 A									
LOAD TYPE	CONNECTED LOAD		DEMAND FACTOR		TOTAL LOAD WITH NEC FACTORS			PANEL TOTALS									
CONTINUOUS	0 VA		125%		0												
LIGHTING	0 VA		100%		0												
MOTOR	0 VA		0%		0												
NON–CONTINUOUS	0 VA		100%		0												
RECEPTACLE	720 VA		100%		720												
LOAD TYPE	0 VA		55%		0												
NOTES:																	

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Revisions		
No.	Description	Date

Drawn by DSD	Date 10/04/2024
Checked KAC	Job No. 23042.01

Sheet Contents PANEL SCHEDULES & DETAIL
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Sheet No.

E0.04



D

C

B

A

1

2

3

4

ELECTRICAL SPECIFICATIONS

26 00 00 ELECTRICAL GENERAL REQUIREMENTS

1. PROVIDE COMPLETE AND FULLY OPERATIONAL SYSTEMS IN ACCORDANCE WITH DIVISIONS 26, 27 AND 28 OF THE SPECIFICATIONS.
2. PROVIDE MATERIALS, LABOR, SERVICES, TOOLS, APPLIANCES AND APPARATUS NOT SPECIFICALLY MENTIONED IN THE CONTRACT DOCUMENTS, BUT WHICH ARE REQUIRED FOR A COMPLETE AND FULLY OPERATIONAL SYSTEM.
3. CONNECT EQUIPMENT AND DEVICES FURNISHED OR INSTALLED BY OTHER TRADES OR FURNISHED BY THE OWNER IN ACCORDANCE WITH THE REQUIREMENTS OF THIS SPECIFICATION.
4. CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND ADHERING TO THE LATEST PROVIDENCE MEDICAL CENTER TECHNICAL SPECIFICATIONS. CONTRACTOR SHALL NOTIFY THE OWNER, PROJECT MANAGER AND ENGINEER OF ANY CONFLICTS BETWEEN THE LATEST TECHNICAL SPECIFICATIONS AND THE CONTRACT DOCUMENTS WITHIN TWO WORK WEEKS PRIOR TO AWARD OF CONTRACT.
5. PROVIDE LABOR, MATERIAL AND EQUIPMENT REQUIRED FOR COMPLETE, SAFE WORKABLE ELECTRICAL SYSTEMS AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS. COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND APPLICABLE LOCAL, STATE AND NATIONAL CODES AND STANDARDS.
6. EMPLOY WORKMEN SKILLED IN THE TRADE AND FAMILIAR WITH TECHNIQUES REQUIRED TO COMPLETE THE WORK IN A NEAT AND WORKMANLIKE MANNER. WORKMANSHIP IS SUBJECT TO APPROVAL BY THE OWNER.
7. OBTAIN AND PAY FOR LICENSES, PERMITS AND INSPECTIONS REQUIRED BY LAW, ORDINANCES AND RULES GOVERNING WORK SPECIFIED HEREIN. ARRANGE INSPECTION OF WORK AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION AND GIVE THE INSPECTORS NECESSARY ASSISTANCE TO COMPLETE THEIR INSPECTION.
8. USE THE DRAWINGS AS A GUIDE FOR QUANTITY, APPROXIMATE EQUIPMENT LOCATIONS AND DESIGN CRITERIA. COORDINATE WORK WITH OTHER TRADES AND ARCHITECTURAL FEATURES TO PROVIDE SYMMETRICAL APPEARANCE. IMMEDIATELY NOTIFY THE OWNER IN WRITING SHOULD CLARIFICATION BE REQUIRED DUE TO A CONFLICT OF QUANTITY, COORDINATION, LOCATION, ETC. THE OWNER'S DECISION IS FINAL AND BINDING. EXTRA COSTS INVOLVED TO COMPLY WITH THE SPECIFICATIONS AND DRAWINGS CAUSED BY A CONFLICT NOT BROUGHT TO THE ATTENTION OF THE OWNER IMMEDIATELY UPON DISCOVERY SHALL BE BORNE BY THE CONTRACTOR UNLESS EXTRA COST IS APPROVED IN WRITING.
9. CONDUCT A SITE VISIT PRIOR TO AWARD OF CONTRACT AND EXAMINE DRAWINGS AND SPECIFICATIONS FOR DISCREPANCIES BETWEEN THIS AND OTHER DIVISIONS OF THE WORK AND EXISTING CONDITIONS. REPORT IN WRITING NO LESS THAN TWO WORK WEEKS PRIOR TO AWARD OF CONTRACT ANY DISCREPANCIES WHICH THE CONTRACTOR BELIEVES ARE CONTRARY TO CODE OR THAT WILL NOT FUNCTION AS SHOWN.
10. OBTAIN SUBMITTALS AND SHOP DRAWINGS OF EQUIPMENT WITH ELECTRICAL CONNECTIONS FURNISHED UNDER OTHER DIVISIONS AND/OR BY THE OWNER AND COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT PROVIDED.
11. MATERIALS SHALL BE NEW, FULL WEIGHT AND BEAR THE UL LABEL.
12. FURNISH A ONE YEAR GUARANTEE FOR ELECTRICAL MATERIALS AND LABOR. GUARANTEE SHALL COMMENCE AT FINAL PAYMENT. MAKE NECESSARY REPAIRS IN A TIMELY MANNER AT NO COST TO THE OWNER.
13. CONTRACTOR SHALL COORDINATE WORK WITH THE APPLICABLE OWNER SYSTEM ADMINISTRATORS PRIOR TO BEGINNING WORK.
14. PROVIDE TO OWNER PROJECT MANAGER, DISRUPTION REQUESTS FOR WORK REQUIRING DISRUPTION. SUBMIT DISRUPTION REQUESTS NOT LESS THAN TWO WEEKS PRIOR TO PROPOSED DISRUPTION. ADHERE TO OWNER POLICIES FOR SERVICE DISRUPTION.
15. SUBMITTALS AND SHOP DRAWINGS: PROVIDE SUBMITTALS AND SHOP DRAWINGS TO ALLOW FOR A TWO WEEK REVIEW BY ENGINEER PRIOR TO ORDERING PRODUCT OR BEGINNING WORK AND NO LATER THAN TWO WORKING WEEKS AFTER AWARD OF CONTRACT. PROVIDE SUBMITTALS IN ELECTRONIC (PDF) FORMAT. SUBMIT THE FOLLOWING:
  - A. PRODUCT INFORMATION:
    - i) INDICATE EACH PRODUCT AS 'BASIS OF DESIGN', 'AS SPECIFIED' OR AS 'PROPOSED SUBSTITUTION'.
    - ii) IDENTIFY CATALOG DESIGNATION AND/OR MODEL NUMBER.
    - iii) NEATLY ANNOTATE EACH SALIENT CHARACTERISTIC AND DESIGN OPTIONS OF THE PRODUCT TO DEMONSTRATE COMPLIANCE WITH THE CONTRACT DOCUMENTS TO INCLUDE: SCHEDULED INFORMATION, DRAWING INFORMATION AND SPECIFIED INFORMATION. CLEARLY INDICATE PRODUCT DEVIATIONS FROM THE CONTRACT DOCUMENTS AND MARK OUT NON-APPLICABLE ITEMS ON GENERIC 'CUT-SHEETS'.
    - iv) INCLUDE MANUFACTURER PROVIDED DIMENSIONED EQUIPMENT DRAWINGS WITH MECHANICAL AND ELECTRICAL ROUGH-IN CONNECTIONS.
    - v) INCLUDE OPERATIONAL CHARACTERISTICS, PERFORMANCE CURVES AND RATED CAPACITIES.
    - vi) INCLUDE MOTOR CHARACTERISTICS AND WIRING DIAGRAMS FOR THE SPECIFIC SYSTEM.
    - vii) PROVIDE BASIC MANUFACTURER'S INSTALLATION INSTRUCTIONS.
  - B. COMPLETED AS-BUILT FORMS FOR ELECTRICAL DISTRIBUTION EQUIPMENT AFFECTED BY PROJECT WORK. ELECTRICAL DISTRIBUTION EQUIPMENT SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO, PANELBOARDS, SWITCHBOARDS, SWITCHGEAR, TRANSFORMERS, ENCLOSED CIRCUIT BREAKERS, MOTORS, BUS PLUGS, DISCONNECTS AND VARIABLE SPEED DRIVES. REQUEST AS-BUILT FORMS FROM OWNER PROJECT MANAGER.
  - C. REQUIRED METERING REPORTS, TEST RESULTS AND/OR STUDIES.
  - D. O&M MANUAL(S) FOR INSTALLED EQUIPMENT 2 WEEKS PRIOR TO SUBSTANTIAL COMPLETION. INFORMATION INCLUDED SHALL BE THE EXACT EQUIPMENT INSTALLED. O&M MANUALS SHALL CONTAIN SUBMITTAL INFORMATION AND INFORMATION NEEDED TO OPERATE AND MAINTAIN SYSTEMS AND EQUIPMENT PROVIDED AND/OR MODIFIED IN THE PROJECT. COORDINATE WITH OWNER PROJECT MANAGER FOR MINIMUM REQUIREMENTS.
  - E. AT COMPLETION PROVIDE RECORD DRAWINGS, UPDATED PANEL SCHEDULES, EQUIPMENT LIST WITH P&MC BARCODE, TELECOM CIRCUIT LIST AND OTHER AS REQUIRED IN CONTRACT DOCUMENTS.
  - F. PROVIDE RECORD DRAWINGS REFLECTING THE AS-BUILT CONFIGURATION FOR THE FIRE ALARM SYSTEM DRAFTED IN THE LATEST VERSION OF AUTOCAD. DRAWINGS SHALL INCLUDE DEVICE LOCATIONS, DEVICE ADDRESSES AND WIRING CONFIGURATION.
  - G. PROVIDE RECORD DRAWINGS REFLECTING THE AS-BUILT CONFIGURATION FOR THE NURSE CALL SYSTEM DRAFTED IN THE LATEST VERSION OF AUTOCAD. DRAWINGS SHALL INCLUDE DEVICE LOCATIONS, WIRING CONFIGURATION AND HEADEND ADDITIONS OR MODIFICATIONS.
16. CONTINUALLY RECORD THE ELECTRICAL INSTALLATION ON A SET OF PRINTS READILY AVAILABLE AT THE PROJECT SITE. MARK RECORD DRAWINGS WITH RED ERASABLE PENCIL. ACCURATELY LOCATE WITH DIMENSIONS ELECTRICAL DEVICES WITHIN AREA OF WORK (NEW AND EXISTING). SHOW PHYSICAL DEVICE CIRCUITING, INDICATE DEVICE CIRCUITS, JUNCTION BOX LOCATIONS, CONDUITS OVER 1 INCH IN DIAMETER, SYSTEM DEVICES, AND ELECTRICAL APPURTENANCES.
17. IDENTIFICATION AND LABELING
  - A. AFFIX OWNER SUPPLIED EQUIPMENT BAR CODE TAGS ON FRONT OR TOP OF EQUIPMENT REQUIRED TO BE TAGGED. TAG SHALL BE CLEARLY VISIBLE FROM FACE OF EQUIPMENT. REQUEST, COMPLETE AND RETURN TO OWNER PROJECT MANAGER AN EQUIPMENT ENTRY FORM FOR EACH PIECE OF EQUIPMENT INSTALLED AND AFFIXED WITH AN EQUIPMENT BAR CODE TAG. CONSULT WITH OWNER PROJECT MANAGER AND REVIEW LATEST OWNER TECHNICAL SPECIFICATIONS FOR EQUIPMENT REQUIRING EQUIPMENT BAR CODE TAG.

- B. PROVIDE CEILING TILE MARKERS FOR EQUIPMENT LOCATED IN ACCESSIBLE CEILING SPACE. MARKER SHALL BE CLEAR LABEL TAPE WITH BLACK LETTERING, AFFIXED TO GRID SUPPORT BAR FACE AND CLEARLY VISIBLE FROM BELOW. MARKER SHALL NOT BE AFFIXED TO REMOVABLE CEILING TILE. SEE DRAWINGS FOR MARKER TEXT.
  - C. FIELD VERIFY NEW AND EXISTING CIRCUITS WITHIN AREA OF WORK. COLOR CODE JUNCTION BOXES IN ACCESSIBLE CEILING SPACES AND EXPOSED UNFINISHED AREAS USING SPRAY PAINT ON THE JUNCTION BOX AND COVER AS FOLLOWS:  
480V POWER (BROWN)  
277V LIGHTING (YELLOW)  
208Y/120V ("UNPAINTED")  
LIFE SAFETY (1E) OR CRITICAL BRANCH (2E) POWER (ORANGE)  
TELECOM (BLACK)  
PUBLIC ADDRESS (SILVER)  
TELEVISION (GOLD)  
FIRE ALARM (RED)  
USE BLACK FELT TIP MARKER (WHITE FOR 480V POWER AND TELECOM) FOLLOWING PAINTING TO IDENTIFY THE CONTENTS IN 1 INCH HIGH LETTERS. IDENTIFICATION SHALL INCLUDE LOCATION OF CIRCUIT ORIGINATION USING P&MC STANDARD ROOM LABELING AS FOUND ON MOST DOOR JAMBS AND SHALL INCLUDE PANEL OR EQUIPMENT NAME AND CIRCUIT(S) CONTAINED WITHIN AS FOLLOWS:  
(1) FED FROM: "PANEL"--"CIRCUIT(S)"  
(2) "BUILDING" "FLOOR"--"ROOM"
  - D. IN ACCESSIBLE CEILING SPACES AND EXPOSED UNFINISHED AREAS, USING INDELIBLE MARKING PEN, LABEL CONDUITS 1 INCH OR LARGER WITH PANEL AND CIRCUIT NUMBERS AND PANEL LOCATION OF CONDUCTORS ROUTED THROUGH THE CONDUIT, SIMILAR TO JUNCTION BOX LABELING. LABEL CONDUIT AT 50-FOOT INTERVALS, EXCEPT LABEL EMERGENCY POWER SUPPLY SYSTEM CONDUITS AT 25-FOOT INTERVALS PER NEC 2017 REQUIREMENTS. ADDITIONALLY, LABEL CONDUITS AT WALL PENETRATIONS (BOTH SIDES) AND CONNECTIONS TO PANELS, JUNCTION BOXES, AND OTHER EQUIPMENT SERVED.
18. BASIC MATERIALS AND METHODS
    - A. APPLY FIRESTOPPING TO ELECTRICAL PENETRATIONS THROUGH FIRE RATED FLOOR AND WALL ASSEMBLIES TO MAINTAIN FIRE RESISTANCE RATING OF ASSEMBLY. CONTRACTOR IS RESPONSIBLE FOR REQUESTING AND ADHERING WITH CURRENT FIRESTOPPING MATERIAL AND INSTALLATION REQUIREMENTS FOR P&MC.
    - B. PROVIDE EZ-PATH FOR HIGH TRAFFIC PENETRATIONS THROUGH FIRE RATED BARRIERS.
    - C. COMPLY WITH SEISMIC-RESTRAINT REQUIREMENTS OF THE CITY OF VALDEZ UNLESS REQUIREMENTS IN THESE CONTRACT DOCUMENTS ARE MORE STRINGENT. REVIEW LATEST OWNER TECHNICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
    - D. MULTIWIRE BRANCH CIRCUITS SHALL NOT BE USED ON THIS PROJECT. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH ITS OWN DEDICATED NEUTRAL CONDUCTOR.
    - E. LOW VOLTAGE WIRING (TELECOM, NURSE CALL, PUBLIC ADDRESS, CCTV, ACCESS CONTROL, ETC.) IN ACCESSIBLE CEILING SPACE SHALL BE SUPPORTED BY J-HOOKS AND/OR CABLE TRAY AS REQUIRED BY CONTRACT DOCUMENTS. BRIDLE RINGS ARE NOT ACCEPTABLE. CONTRACTOR SHALL REMOVE AND REPLACE BRIDLE RINGS WITHIN AREA OF WORK.
  19. EXAMINATION
    - A. DRAWINGS INVOLVING EXISTING CONDITIONS ARE BASED ON BUILDING RECORD DRAWINGS AND/OR LIMITED FIELD OBSERVATION. CONDUCT A SITE INSPECTION PRIOR TO SUBMISSION OF BID TO BECOME THOROUGHLY FAMILIARIZED WITH THE SCOPE OF WORK. REPORT DISCREPANCIES TO P&MC PROJECT MANAGER BEFORE DISTURBING EXISTING INSTALLATION. VERIFY FIELD MEASUREMENTS AND CIRCUITING ARRANGEMENTS. VERIFY THAT ABANDONED WIRING AND EQUIPMENT SERVE ONLY ABANDONED FACILITIES. BEGINNING OF DEMOLITION IMPLIES CONTRACTOR ACCEPTS EXISTING CONDITIONS.
  20. DEMOLITION OF EXISTING ELECTRICAL WORK
    - A. REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION.
    - B. REMOVE ABANDONED, EXPOSED OR UNUSED WIRING, CONDUIT AND HARDWARE TO SOURCE OF SUPPLY. REMOVE EXPOSED AND ACCESSIBLE CONDUIT TO THE POINT WHERE IT BECOMES INACCESSIBLE. CONCEALED CONDUIT WHICH CAN NOT BE REMOVED WITHIN REASON SHALL BE CUT FLUSH AND SURFACE PATCHED AND/OR SEALED AS APPLICABLE.
    - C. DISCONNECT AND REMOVE ABANDONED DEVICES WITH ASSOCIATED CONDUIT, WIRE AND HARDWARE AS IDENTIFIED ON DRAWINGS. NOTIFY OWNER OF ANY DEVICES NOT SHOWN ON DRAWINGS THAT ARE WITHIN AREA OF WORK. DISCONNECT AND REMOVE ABANDONED PANELBOARDS AND DISTRIBUTION EQUIPMENT. REROUTE CONDUIT, WIRE AND HARDWARE AS NEEDED TO ACCOMMODATE REMOVAL.
    - D. REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK.
    - E. MAINTAIN ACCESS TO EXISTING ELECTRICAL INSTALLATIONS WHICH REMAIN ACTIVE. MODIFY INSTALLATION OR PROVIDE ACCESS PANELS AS APPROPRIATE.
    - F. RESTORE CIRCUITS AND SYSTEMS THAT REMAIN THAT ARE AFFECTED IN ANY WAY BY DEMOLITION WORK SUCH AS LOADS DOWNSTREAM OF DEMOLISHED EQUIPMENT, SWITCHED LIGHTING CIRCUITS WHERE SELECTED LIGHT FIXTURES ARE DEMOLISHED, ETC.
    - G. CONTRACTOR SHALL MAKE A REASONABLE EFFORT TO RECYCLE WASTE MATERIAL FROM DEMOLITION. CONTACT HABITAT FOR HUMANITY OR OTHER SOURCE TO RECYCLE USABLE MATERIALS SUCH AS LIGHTING, RECEPTACLES, COVERPLATES, JUNCTION BOXES, CONDUIT, ETC. CONTACT LOCAL METAL RECYCLER TO RECYCLE COPPER, STEEL AND ALUMINUM WASTE. UTILIZE OWNER IN HOUSE RECYCLING OR CITY OF VALDEZ RECYCLING CENTER FOR PAPER, CARDBOARD, PLASTIC, TIN, AND GLASS. UTILIZE ANCHORAGE REGIONAL COMPOST FACILITY FOR WOOD AND SHEETROCK WASTE. ITEMS NOT RECYCLABLE SHALL BE DISPOSED OF IN OWNER PROVIDED WASTE CONTAINER AND IN ACCORDANCE WITH LATEST OWNER DISPOSAL REQUIREMENTS. NO ITEMS DEEMED UNACCEPTABLE FOR DISPOSAL AS DEFINED BY OWNER SHALL BE DISPOSED OF AT A OWNER SITE. CONTRACTOR SHALL EMPLOY THE SERVICES OF A GREEN STAR APPROVED DISPOSAL SERVICE FOR DISPOSAL OF UNACCEPTABLE ITEMS.
    - H. PROVIDE TEMPORARY WIRING AND CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. WHEN WORK MUST BE PERFORMED ON ENERGIZED EQUIPMENT OR CIRCUITS, USE PERSONNEL EXPERIENCED IN SUCH OPERATIONS.
  21. MAINTAIN EXISTING SYSTEMS IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR SERVICE. DISABLE SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. PROVIDE DISRUPTION REQUEST AND COORDINATE WITH OWNER PROJECT MANAGER PRIOR TO DISABLING SYSTEM. CONTRACTOR SHALL NOT BE ENTITLED TO ANY ADDITIONAL COMPENSATION DUE TO INABILITY OF OWNER TO GRANT AN OUTAGE AT THE DESIRED TIME. MINIMIZE OUTAGE DURATION. MAKE TEMPORARY CONNECTIONS TO MAINTAIN SERVICE IN AREAS ADJACENT TO WORK AREA
  22. CLEANING AND REPAIR
    - A. CLEAN AND REPAIR EXISTING MATERIALS AND EQUIPMENT WHICH REMAIN OR ARE TO BE REUSED OR ARE AFFECTED BY THIS WORK.
    - B. PANELBOARDS: CLEAN EXPOSED SURFACES AND INTERIOR OF CABINET. PROVIDE NEATLY TYPED, FULLY DETAILED BRANCH CIRCUIT DIRECTORY IN PANELS WITH UPDATED LOADS. ODD CIRCUITS ON LEFT, EVEN ON RIGHT.

26 05 19 LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES

1. BRANCH CIRCUIT WIRING SHALL BE 600 VOLT INSULATED AND SHALL HAVE THE FOLLOWING INSULATION TYPES:
    - A. HEATED INDOOR SPACES – THHN/THWN OR XHHW
    - B. OUTDOORS, WET LOCATIONS AND UNHEATED SPACES – XHHW OR XHHW-2
  2. CONDUCTORS SHALL BE COPPER, SOLID OR STRANDED FOR WIRING #10 OR SMALLER, STRANDED FOR #8 OR LARGER. MINIMUM SIZE AS FOLLOWS:
    - A. #12 AWG FOR BRANCH CIRCUITS.
    - B. #16 AWG FOR LIGHTING FIXTURE WHIPS.
  3. PROVIDE PROPERLY SIZED AND BONDED GROUNDING CONDUCTORS WITH POWER CIRCUITS.
  4. BRANCH CIRCUIT CONDUCTORS SHOWN ON THE DRAWINGS ARE SIZED FOR AMPACITY ONLY UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL INCREASE FEEDER SIZES IF REQUIRED TO PREVENT FEEDER VOLTAGE DROP FROM EXCEEDING 3%. VOLTAGE DROP AT OUTLETS SHALL NOT EXCEED 5%.
- 26 05 33 RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS
1. CONDUIT TYPES SPECIFICALLY APPROVED FOR USE ON THIS PROJECT SHALL BE OF THE TYPES LISTED HEREIN OR OTHER TYPES SPECIFICALLY IDENTIFIED ON THE DRAWINGS.
  2. INTERMEDIATE METAL CONDUIT – IMC.
    - A. LOCATIONS PERMITTED: DRY INDOOR LOCATIONS CONCEALED OR EXPOSED, WHERE SUSCEPTIBLE TO PHYSICAL DAMAGE.
    - B. MINIMUM SIZE: 3/4 INCH.
    - C. FITTINGS SHALL BE GALVANIZED STEEL OR IRON AND SHALL BE THREADED. CONDUIT BUSHINGS SHALL BE PROVIDED AND SHALL BE OF THE INSULATED TYPES. WHERE GROUNDING BUSHINGS ARE REQUIRED, PROVIDE INSULATED GROUNDING BUSHINGS WITH INTEGRAL PRESSURE TYPE GROUND LUGS, THOMAS & BETTS "BLACKJACK", OR AS APPROVED.
  3. ELECTRICAL METALLIC TUBING – EMT
    - A. LOCATIONS PERMITTED: DRY INDOOR LOCATIONS CONCEALED OR EXPOSED, WHERE NOT SUSCEPTIBLE TO PHYSICAL DAMAGE.
    - B. MINIMUM SIZE: 1/2 INCH.
    - C. MAXIMUM SIZE: 3 INCH, EXCEPT WHERE SPECIFICALLY INDICATED ON THE DRAWINGS.
    - D. COUPLINGS AND CONNECTORS SHALL BE MADE OF STEEL OR MALLEABLE IRON. DIE-CAST PRODUCTS SHALL NOT BE USED. CONNECTORS SHALL HAVE INSULATED THROATS. CONNECTORS AND COUPLINGS SHALL BE SETSCREW OR COMPRESSION TYPE.
  4. FLEXIBLE METAL (STEEL) CONDUIT – FMC OR FLEX.
    - A. LOCATIONS PERMITTED: MOTOR AND EQUIPMENT FLEXIBLE CONNECTIONS WHERE INSTALLED IN PLENUM SPACES
    - B. MINIMUM SIZE: 1/2 INCH , EXCEPT FIXTURE WHIPS MAY BE 3/8 INCH AS ALLOWED BY THE NEC.
    - C. LENGTH OF FMC FOR CONNECTION TO EQUIPMENT SHALL NOT EXCEED 36 INCHES, EXCEPT FOR LIGHTING FIXTURE WHIPS AND WHERE SPECIFICALLY NOTED. FIXTURE WHIPS SHALL NOT EXCEED 72 INCHES.
    - D. FITTINGS SHALL BE STEEL OR MALLEABLE IRON. THROATS SHALL BE INSULATED
  5. GALVANIZED PRESSED STEEL BOXES MAY BE USED WHEREVER THEY ARE PERMITTED BY CODE, EXCEPT IN AREAS INDICATED IN THE PRECEDING PARAGRAPH. FLUSH MOUNTED, PRESSED STEEL BOXES SHALL BE EQUIPPED WITH EXTERNAL MOUNTING BRACKETS FOR ATTACHMENT TO FRAMING MEMBERS WITH SCREWS OR NAILS.
  6. CEILING BOXES AND WALL BOXES FOR BRACKET LIGHTS SHALL BE NOT LESS THAN 4 INCH IN DIAMETER BY 1 ¼ INCH DEEP AND SHALL HAVE 3/8 INCH MALLEABLE IRON FIXTURE STUDS IF REQUIRED.
  7. MINIMUM SIZE FOR CONDUIT RUNS TO TELECOMMUNICATIONS OUTLETS SHALL BE 1 INCH AND UNLESS OTHERWISE INDICATED ON THE DRAWINGS SHALL SERVE NO MORE THAN ONE TELECOMMUNICATIONS OUTLET.
  8. EMT CONDUIT UTILIZED FOR FIRE ALARM SYSTEM WIRING SHALL BE FACTORY PRE-PAINTED WITH A BRIGHT RED TOPCOAT, ALLIED FIRE ALARM RED OR AS APPROVED. OTHER CONDUIT TYPES UTILIZED FOR FIRE ALARM SYSTEM WIRING SHALL BE IDENTIFIED WITH RED PAINT OR RED TAPE WRAPPED A MINIMUM OF 4 TIMES AROUND THE CONDUIT EVERY 10 FEET AND AT EACH FIRE ALARM SYSTEM JUNCTION BOX.
  9. IN OCCUPIED AREAS, CONDUIT AND RACEWAYS SHALL BE CONCEALED UNLESS SPECIFICALLY NOTED OTHERWISE. IN SERVICE SPACES (MECHANICAL EQUIPMENT ROOMS, ELECTRICAL ROOMS, STORAGE CLOSETS, ETC.), RACEWAYS MAY BE SURFACE-MOUNTED FOR CONNECTION TO EQUIPMENT.
  10. PULL WIRES SHALL BE PROVIDED IN SPARE AND UNUSED CONDUITS. (NYLON "JET-LINE" OR AS APPROVED.)
  11. PROVIDE FLEXIBLE CONDUIT CONNECTION AT SEISMIC JOINTS TO ALLOW FOR DISPLACEMENT OF CONDUIT IN ALL THREE AXES. PROVIDE APPROPRIATE LENGTHS OF FLEXIBLE CONDUITS AT SEISMIC JOINTS AND APPROPRIATE AMOUNTS OF SLACK IN CONDUIT TO ALLOW MOVEMENT OF CONDUIT/CABLING IN ACCORDANCE WITH THE DESIGN OF THE SEISMIC JOINT.

26 27 26 WIRING DEVICES

1. WIRING DEVICES SHALL BE HOSPITAL GRADE, UNLESS OTHERWISE NOTED IN CONTRACT DOCUMENTS.
2. COLOR OF RECEPTACLES AND SWITCHES SERVED BY NORMAL BRANCH SHALL MATCH EXISTING WIRING DEVICES IN AREA OF WORK. IF NO EXISTING WIRING DEVICES ARE TO REMAIN, WIRING DEVICES SERVED BY THE NORMAL BRANCH SHALL BE IVORY IN COLOR.
3. RECEPTACLES AND SWITCHES SERVED BY LIFE SAFETY OR CRITICAL BRANCHES SHALL BE RED IN COLOR.
4. THE CATALOG NUMBERS LISTED BELOW ARE THE BASIS OF DESIGN. EQUAL DEVICES MANUFACTURED BY ARROW HART, LEVITON AND BRYANT ARE ACCEPTABLE.
  - A. SINGLE POLE LIGHT SWITCH: HUBBELL WIRING PART NUMBER 1221
  - B. THREE-WAY LIGHT SWITCH: HUBBELL WIRING PART NUMBER 1223
  - C. NEMA 5-20, 20A, 125V: HUBBELL WIRING PART NUMBER HBL8300
  - D. NEMA 5-20, 20A, 125V GFCI: HUBBELL WIRING PART NUMBER GFR8300HST
  - E. NEMA 5-20, 20A, 125V TAMPER RESISTANT: HUBBELL WIRING PART NUMBER HBL8300SG
  - F. NEMA 5-20, 20A, 125V TAMPER RESISTANT GFCI: HUBBELL WIRING PART NUMBER GFR8300SG
5. DEVICE PLATES SHALL BE SATIN FINISHED 302 STAINLESS STEEL. ENGRAVE BRANCH CIRCUIT DESIGNATION (PANEL AND CIRCUIT NUMBER) ON RECEPTACLE DEVICE PLATES (e.g., "ELG3-7").

26 28 00 LOW-VOLTAGE CIRCUIT PROTECTIVE DEVICES

1. MOLDED CASE CIRCUIT BREAKERS
  - A. WHERE INSTALLED IN AN EXISTING PANELBOARD, CIRCUIT BREAKER SHALL BE OF THE SAME MANUFACTURER AS PANELBOARD AND LISTED FOR USE IN EXISTING PANELBOARD. RATINGS SHALL BE AS SHOWN ON PANEL SCHEDULES AND/OR DRAWINGS.
  - B. CIRCUIT BREAKERS SHALL HAVE A PERMANENT TRIP UNIT CONTAINING INDIVIDUAL THERMAL AND MAGNETIC TRIP ELEMENTS IN EACH POLE.

- C. AMPERAGE INTERRUPT RATING SHALL BE EQUAL TO OR GREATER THAN THE SHORT CIRCUIT CURRENT RATING OF THE PANEL AND CLEARLY POSTED WITHOUT REMOVAL OF PANEL COVER. SERIES RATING SHALL BE ALLOWED ONLY BY APPROVAL OF ENGINEER OR AS INDICATED IN CONTRACT DOCUMENTS.
- D. EQUIPMENT PROTECTION DEVICE BREAKER TYPE (EPD) SHALL BE 30mA TRIP.

26 29 00 LOW VOLTAGE CONTROLLERS

1. AC FRACTIONAL HORSEPOWER MANUAL STARTERS
  - A. PROVIDE MANUAL STARTERS FOR FRACTIONAL HORSEPOWER MOTORS CONSISTING OF A MANUALLY OPERATED TOGGLE SWITCH EQUIPPED WITH RED PILOT LIGHT AND MELTING ALLOY TYPE THERMAL OVERLOAD RELAY.
  - B. THERMAL UNIT SHALL BE ONE PIECE CONSTRUCTION AND INTERCHANGEABLE. STARTER SHALL BE INOPERATIVE IF THERMAL UNIT IS REMOVED.
2. AC COMBINATION STARTERS WITH FUSIBLE DISCONNECT SWITCH OR CIRCUIT BREAKER
  - A. COMBINATION STARTERS SHALL BE MANUFACTURED IN ACCORDANCE WITH THE LATEST PUBLISHED NEMA STANDARDS, SIZES AND HORSEPOWER RATINGS.
  - B. COMBINATION STARTERS WITH DISCONNECT SWITCH SHALL CONSIST OF A VISIBLE BLADE DISCONNECT SWITCH AND A MOTOR STARTER.
  - C. COMBINATION STARTERS SHALL BE MOUNTED IN NEMA 1 GENERAL PURPOSE ENCLOSURES UNLESS OTHERWISE INDICATED ON THE PLANS OR REQUIRED BY THE CONDITIONS OF THE AREA IN WHICH THEY ARE INSTALLED.
  - D. THE DISCONNECT HANDLE USED ON COMBINATION STARTERS SHALL ALWAYS BE IN CONTROL OF THE DISCONNECT DEVICE WITH THE DOOR OPENED OR CLOSED. THE DISCONNECT HANDLE SHALL BE CLEARLY MARKED AS TO WHETHER THE DISCONNECT DEVICE IS "ON" OR "OFF".

26 50 00 LIGHTING

1. LIGHTING FIXTURES SHALL COMPLY WITH THE REQUIREMENTS OF NEC ARTICLE 410. PROVIDE LIGHTING FIXTURES IN ACCORDANCE WITH LIGHTING FIXTURE SCHEDULE. PROVIDE SAFETY HANGAR WIRES FOR FIXTURES, AS FOLLOWS:
  - A. PROVIDE SAFETY WIRES (A MINIMUM OF TWO 12 GAUGE HANGERS) OR EQUIVALENT CHAINS FOR EACH LIGHT FIXTURE WEIGHING LESS THAN 56 POUNDS INSTALLED IN T-BAR OR OTHER CEILING SUSPENSION SYSTEMS. SAFETY WIRES AND CHAINS SHALL BE SECURELY ATTACHED TO DIAGONALLY OPPOSITE CORNERS OF EACH FIXTURE AND TO STRUCTURE. FIXTURES WEIGHING 56 POUNDS OR MORE SHALL BE SUPPORTED FROM STRUCTURE.
  - B. SURFACE MOUNTED LIGHTING FIXTURES SUPPORTED FROM T-BAR GRID SHALL BE ATTACHED TO THE GRID WITH A POSITIVE CLAMP DEVICE THAT COMPLETELY SURROUNDS THE SUPPORTING MEMBER SIMILAR TO CADDY "IDS". PROVIDE SAFETY WIRES AS SPECIFIED IN THE PREVIOUS PARAGRAPH.
  - C. PROVIDE SAFETY WIRES (A MINIMUM OF TWO 12 GAUGE HANGERS) OR EQUIVALENT AIRCRAFT CABLE FOR EACH PENDANT MOUNTED FIXTURE. HANGARS OR CABLE SHALL BE SECURELY ATTACHED TO FIXTURE, THEN ROUTED THROUGH STEM AND SECURELY ATTACHED TO STRUCTURE.
2. PROVIDE BALLAST/DRIVER DISCONNECTING MEANS IN ACCORDANCE WITH NEC ARTICLE 410.

27 20 00 TELECOM DISTRIBUTION SYSTEM

1. AT MINIMUM, PROVIDE A 1 INCH DIAMETER CONDUIT FROM EACH TELECOM OUTLET LOCATION STUBBED TO ACCESSIBLE CEILING SPACE OR CABLE TRAY AS APPLICABLE. PROVIDE INSULATED BUSHING ON CONDUIT STUB. PROVIDE NYLON PULL-CORD WITH NOT LESS THAN 200-POUND TENSILE STRENGTH IN EACH CONDUIT WITH 5 FEET OF EXCESS COILED AT EACH END.
2. HORIZONTAL CABLING SHALL BE 4-PAIR, CATEGORY 6, PLENUM RATED, AND COLOR CODED AS FOLLOWS: GENERAL TELECOM (BLUE), WIRELESS (GREEN), PHILIPS TELEMETRY (ORANGE), AND NURSE CALL & PATIENT MONITORING (BRIGHT LIME GREEN). QUANTITIES AS SHOWN IN DRAWINGS. NO FACTORY OR OTHER SPLICES ALLOWED.
3. TELECOM CABLE TOTAL HORIZONTAL LENGTH SHALL NOT EXCEED 300 FEET WITH THE TOTAL AGGREGATE LENGTH FROM ACTIVE NODE TO USER DEVICE NOT TO EXCEED 330 FEET.
4. TERMINATE CABLE AT PATCH PANEL IN TELECOM CLOSET AND ON TELECOM OUTLET JACK AT POINT OF USE, COORDINATE WITH INFORMATION SERVICES PROJECT MANAGER FOR ADDITIONAL REQUIREMENTS.
5. BOXES FOR TELECOMMUNICATION OUTLETS SHALL BE A MINIMUM OF 4 INCHES SQUARE BY 2 1/8 INCHES DEEP. DEVICE RINGS FOR TELECOMMUNICATION OUTLETS SHALL BE SINGLE-GANG, MINIMUM 5/8 INCHES DEEP, TO PROVIDE A MINIMUM INTERNAL FINISHED DEPTH OF 2 3/4 INCHES.
6. TELECOMMUNICATIONS OUTLETS WITH ASSOCIATED FACEPLATE AND JACKS SHALL MAKE UP A 4 POSITION MODULAR ASSEMBLY RATED FOR CATEGORY 6 USE WITH INTEGRAL AT&T 110 TYPE TERMINATIONS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
7. SLEEVES SHALL BE PROVIDED THROUGH WALLS, CEILING, FLOORS AND EQUIPMENT.
8. WORK SHALL COMPLY WITH APPLICABLE ANSI/TIA/EIA AND BICSI STANDARDS, SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS, AND SHALL BE ACCEPTABLE TO THE DATA SYSTEM AND THE TELEPHONE SYSTEM PROVIDERS.
9. TELECOMMUNICATIONS JACKS SHALL BE IDENTIFIED AND LABELED IN ACCORDANCE WITH THE LATEST OWNER TECHNICAL SPECIFICATIONS. CONTRACTOR SHALL COORDINATE PROPER IDENTIFICATION OF TELECOM JACKS WITH MIS DEPARTMENT.
10. TEST TELECOM INSTALLATION FOR CATEGORY 6 PERFORMANCE IN ACCORDANCE WITH BICSI TDMM 13TH EDITION AND ANSI/TIA-568-D STANDARD.

28 31 00 FIRE DETECTION AND ALARM

1. MAINTAIN EXISTING FIRE ALARM SYSTEM IN SERVICE. DISABLE SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. SUBMIT DISRUPTION REQUEST TO PVMC PROJECT MANAGER PER SECTION 26 00 00 BEFORE PARTIALLY OR COMPLETELY DISABLING SYSTEM AND NOTIFY APPLICABLE FIRE DEPARTMENT AUTHORITIES AT LEAST 24 HOURS BEFORE OUTAGE. MINIMIZE OUTAGE DURATION. MAKE TEMPORARY CONNECTIONS TO MAINTAIN SERVICE IN AREAS ADJACENT TO WORK AREA.
2. PROVIDE, REMOVE OR RELOCATE EXISTING FIRE ALARM DEVICES AS SHOWN ON THE PLANS. NEW DEVICES SHALL BE IDENTICAL TO EXISTING SIMILAR DEVICES AND UL LISTED FOR USE WITH THE EXISTING FIRE ALARM SYSTEM.
3. WIRING SHALL BE OF THE TYPE RECOMMENDED BY THE NEC, APPROVED BY LOCAL AUTHORITIES HAVING JURISDICTION FOR THE PURPOSE, AND SHALL BE INSTALLED IN DEDICATED CONDUIT SHARED BY NO OTHER SYSTEM.
4. PROVIDE REQUIRED EQUIPMENT, CARDS, PROGRAMMING, BATTERIES, ETC. FOR THE EXISTING FIRE ALARM SYSTEM CONTROL PANEL(S) AND THE REMOTE SYSTEM FRONT END TERMINALS TO SUPPORT REVISED FIRE ALARM SYSTEM. FIRE ALARM WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 72 AND SHALL BE COORDINATED WITH P&MC FIRE-LIFE SAFETY MANAGER.
5. PERFORM RE-ACCEPTANCE TESTING OF THE FIRE ALARM SYSTEM IN ACCORDANCE WITH NFPA 72. COORDINATE TESTING WITH PVMC FIRE-LIFE SAFETY MANAGER. PROVIDE A MINIMUM OF 72 HOURS NOTICE. CONTRACTOR SHALL NOT BE ENTITLED TO ANY ADDITIONAL COMPENSATION DUE TO INABILITY OF PVMC TO SCHEDULE TEST AT THE DESIRED TIME. SUBMIT FINAL TEST RESULTS.



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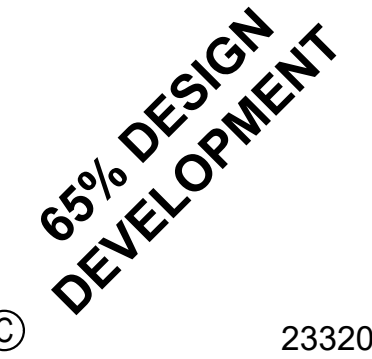
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Revisions		
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Sheet Contents  
ELECTRICAL SPECIFICATIONS

Sheet No.  
**E0.05**



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### DEMOLITION NOTES

- DEMOLISH EXISTING, EXTERIOR, WALL MOUNTED AREA LIGHT FIXTURE. RETAIN EXISTING AREA LIGHTING CIRCUIT FOR EXTENSION AND RECONNECTION TO NEW LIGHT FIXTURE IN ACCORDANCE WITH DETAIL 2 ON THIS SHEET.
- DEMOLISH EXISTING, EXTERIOR, UNDER CANOPY LIGHT FIXTURE. RETAIN EXISTING AREA LIGHTING CIRCUIT FOR EXTENSION AND RECONNECTION TO NEW LIGHT FIXTURE PROVIDED IN ACCORDANCE WITH DETAIL 2 ON THIS SHEET.
- REMOVE EXISTING, POLE MOUNTED, SITE LIGHT FIXTURE AND RETAIN FOR REINSTALLATION IN ACCORDANCE WITH DETAIL 2 ON THIS SHEET. RETAIN EXISTING AREA LIGHTING CIRCUIT FOR EXTENSION AND RECONNECTION TO RELOCATED LIGHT FIXTURE.
- REMOVE EXISTING, UNDER CANOPY MOUNTED VIDEO SURVEILLANCE CAMERA FOR REINSTALLATION IN ACCORDANCE WITH DETAIL 2 ON THIS SHEET. DEMOLISH ASSOCIATED TELECOM HORIZONTAL CABLE BACK TO SOURCE. RETAIN EXISTING CONDUIT FOR EXTENSION AND RECONNECTION TO RELOCATED CAMERA.
- REMOVE EXISTING, EXTERIOR, WALL MOUNTED PHOTOCELL AND RETAIN FOR REINSTALLATION IN ACCORDANCE WITH DETAIL 2 ON THIS SHEET. RETAIN EXISTING CONTROL CIRCUIT AND ASSOCIATED CONDUIT FOR EXTENSION AND RECONNECTION TO RELOCATED PHOTOCELL.



**1 EXISTING SITE PLAN - ELECTRICAL - DEMOLITION**  
E1.01 SCALE: 1" = 20'  
0 10' 20' 40' 60'

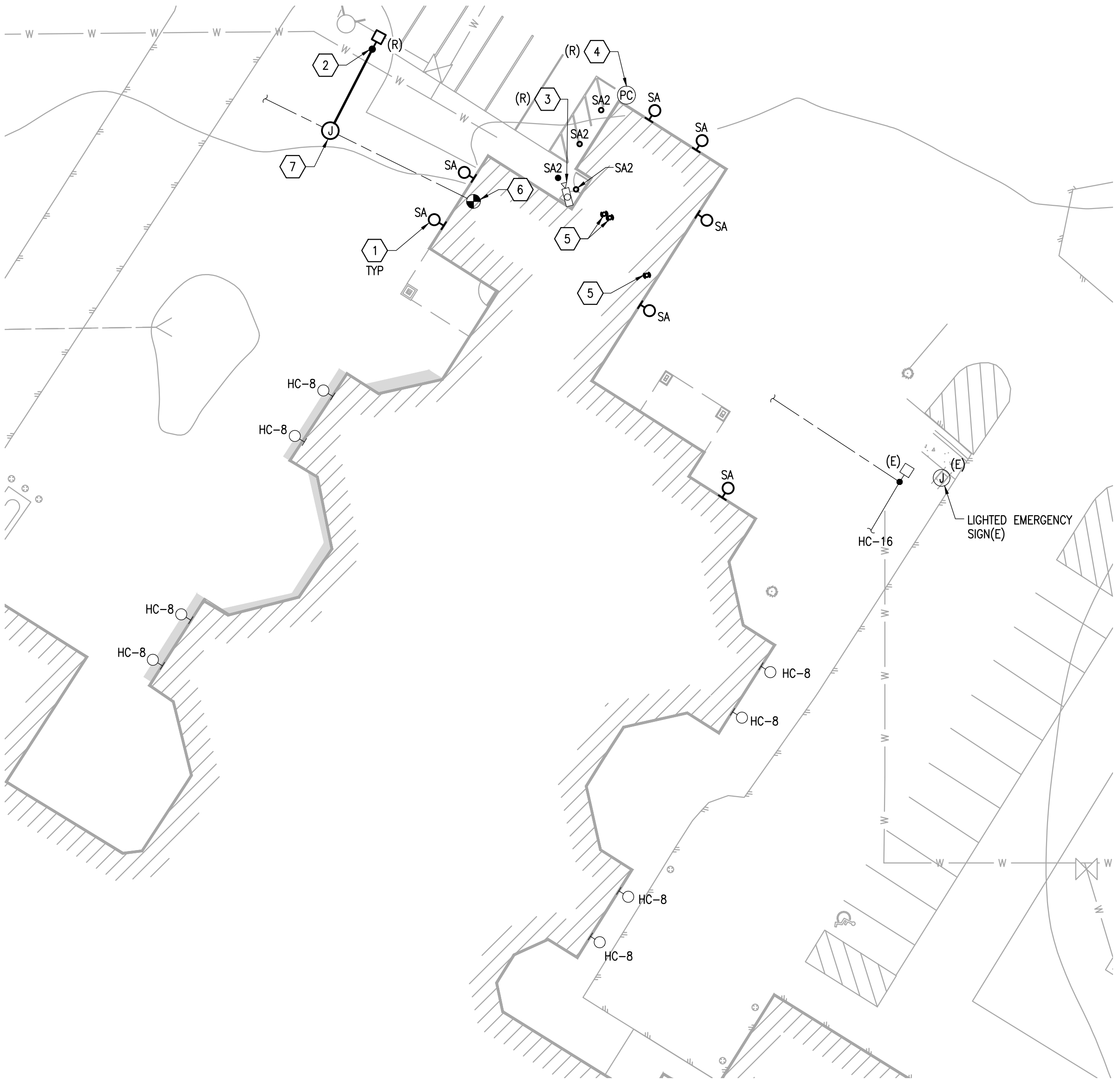
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### GENERAL NOTES

- DEVICES AND/OR EQUIPMENT INDICATED ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
- REFER TO LIGHTING FIXTURE SCHEDULE ON SHEET E0.02 FOR ADDITIONAL INFORMATION.

### SHEET NOTES

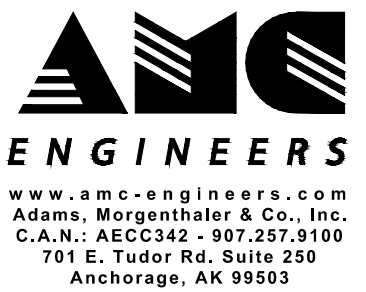
- PROVIDE WALL MOUNTED AREA LIGHT FIXTURE AT SAME HEIGHT AFG AS EXISTING WALL MOUNTED AREA LIGHTS. INTERCEPT, EXTEND, AND CONNECT EXISTING AREA LIGHTING CIRCUIT TO NEW LIGHT FIXTURE.
- REINSTALL EXISTING, POLE MOUNTED, SITE LIGHTING LIGHT FIXTURE AT LOCATION INDICATED. INTERCEPT, EXTEND, AND CONNECT EXISTING AREA LIGHTING CIRCUIT TO LIGHT FIXTURE.
- REINSTALL EXISTING, UNDER CANOPY MOUNTED VIDEO SURVEILLANCE CAMERA AT LOCATION INDICATED. INTERCEPT, EXTEND, AND CONNECT EXISTING CONDUIT TO CAMERA AND PROVIDE TELECOM HORIZONTAL CABLE BACK TO PATCH PANEL IN PENTHOUSE TELECOM ROOM.
- REINSTALL EXISTING, EXTERIOR, WALL MOUNTED PHOTOCELL AT LOCATION INDICATED. INTERCEPT, EXTEND, AND CONNECT EXISTING CONTROL CIRCUIT AND ASSOCIATED CONDUIT TO PHOTOCELL.
- PROVIDE CONNECTION TO RAIN LEADER HEAT TRACE. PROVIDE PILOT LIGHTED SWITCH IN MECHANICAL ROOM D200 FOR ON/OFF CONTROL OF HEAT TRACE. REFER TO SHEET E4.01 FOR ADDITIONAL INFORMATION.
- INTERCEPT, EXTEND, AND CONNECT EXISTING CONDUITS PREVIOUSLY SERVING RELOCATED POLE MOUNTED SITE LIGHTING FIXTURE AT THIS LOCATION.
- PROVIDE AK DOT TYPE 1A JUNCTION BOX FOR SITE LIGHTING. INTERCEPT, EXTEND, AND CONNECT EXISTING SITE LIGHTING CONDUITS TO JUNCTION BOX.



**2 SITE PLAN - ELECTRICAL - REVISED**  
E1.01 SCALE: 1" = 20'  
0 10' 20' 40' 60'



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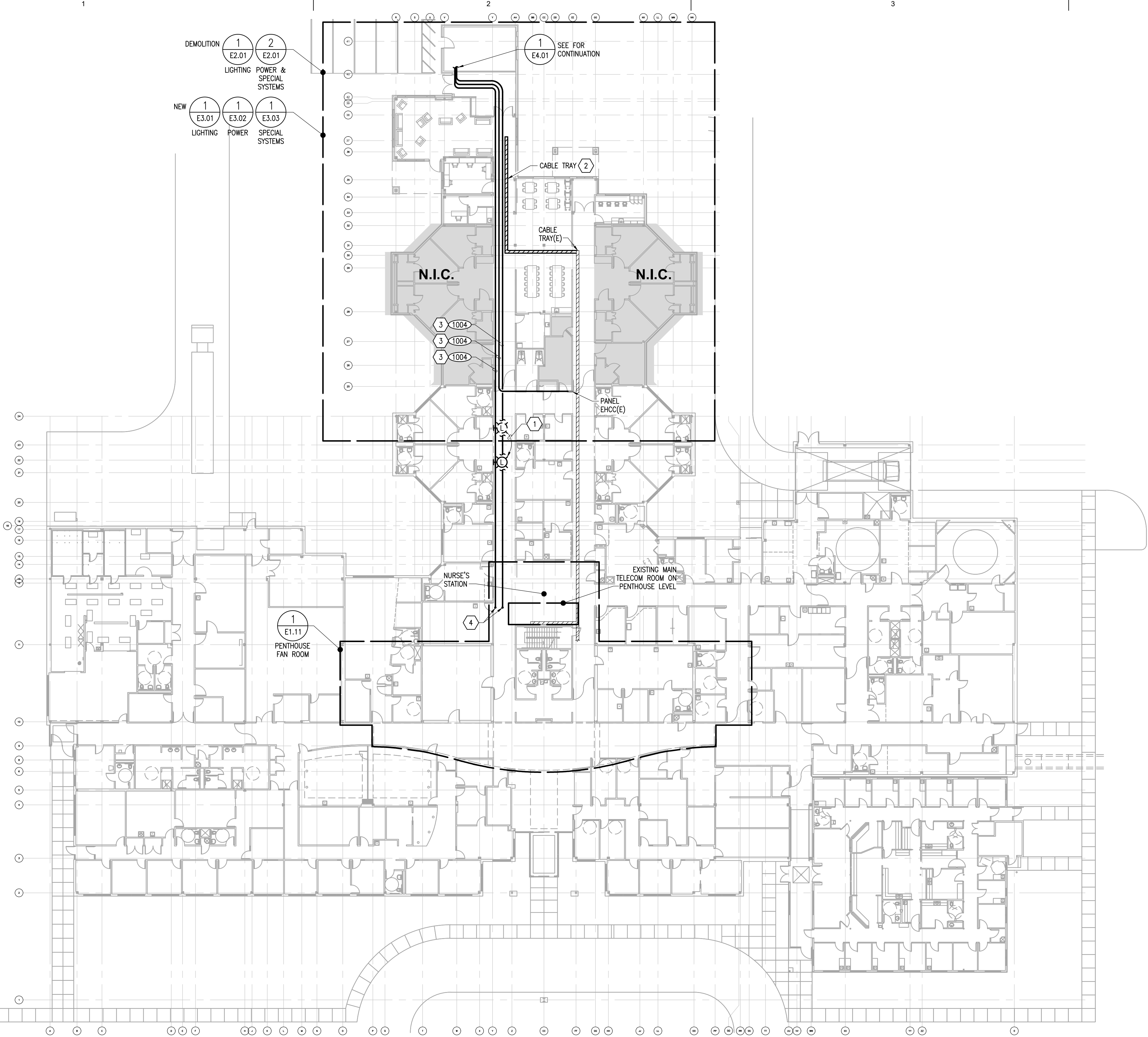
Revisions		
No.	Description	Date

Drawn by DSD	Date 10/04/2024
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Sheet Contents  
SITE PLAN - ELECTRICAL -  
DEMOLITION & REVISED

Sheet No.  
**E1.01**

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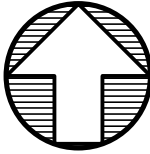
GENERAL NOTES

1. DEVICES AND EQUIPMENT ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

SHEET NOTES

- RELOCATE NURSE CALL DEVICE TO FACILITATE INSTALLATION OF NEW CORRIDOR DOUBLE DOORS.
- PROVIDE 12 INCH WIDE x 4 INCH DEEP, WIRE MESH STYLE CABLE TRAY IN ACCESSIBLE CEILING.
- ROUTE FEEDER(S) ABOVE ACCESSIBLE CEILING. PROVIDE PULL BOXES SIZED IN ACCORDANCE WITH NEC REQUIREMENTS AS REQUIRED. REFER TO THE POWER ONE-LINE DIAGRAM FOR FEEDER SIZING INFORMATION.
- FEEDER CONDUIT PENETRATIONS INTO PENTHOUSE FAN ROOM. REFER TO SHEET E1.11 FOR CONTINUATION.

1 OVERALL PLAN - LEVEL 1  
E1.10 SCALE: 1" = 20'



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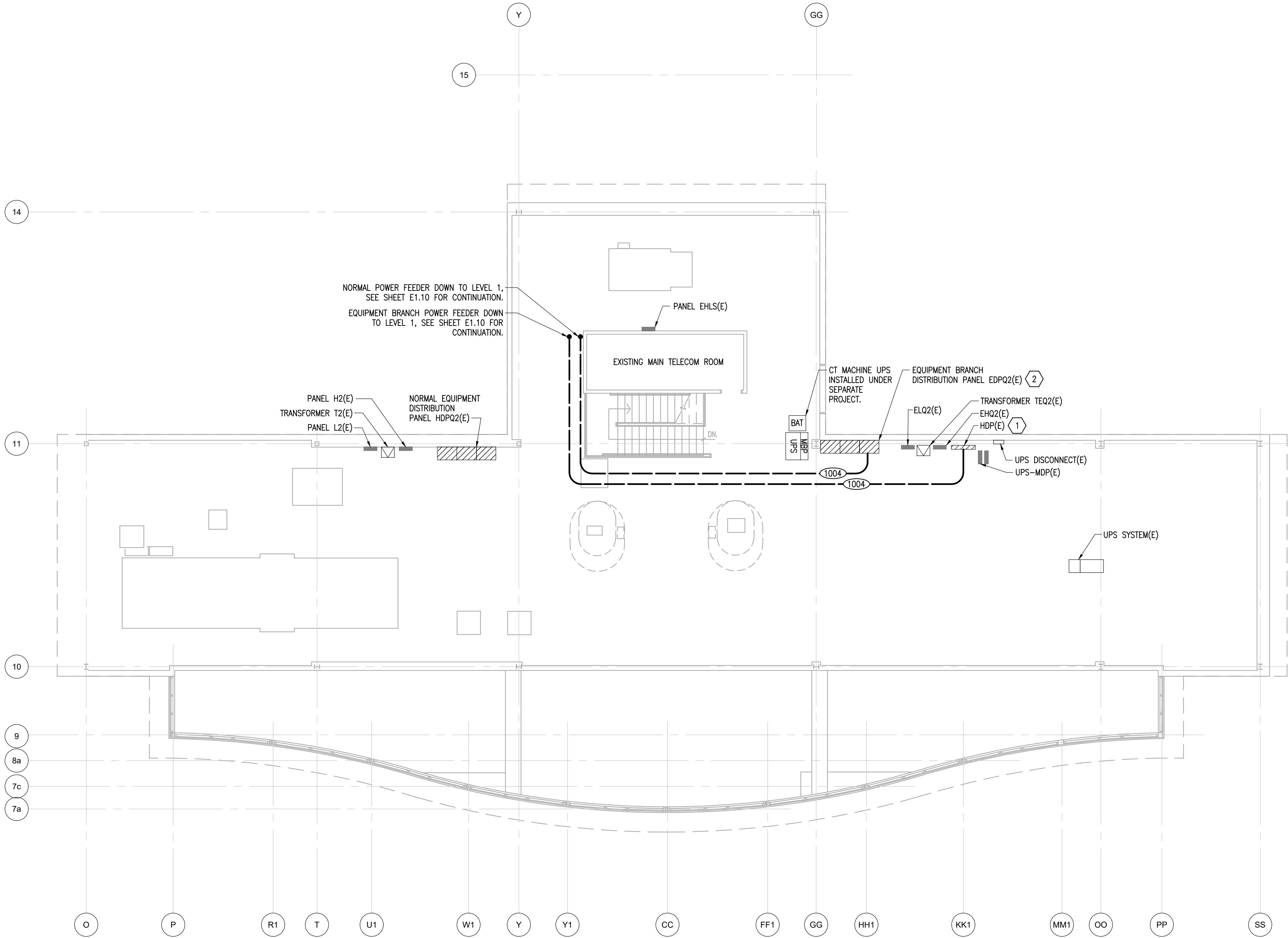
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Sheet Contents OVERALL PLAN - LEVEL 1
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Sheet No.  
**E1.10**



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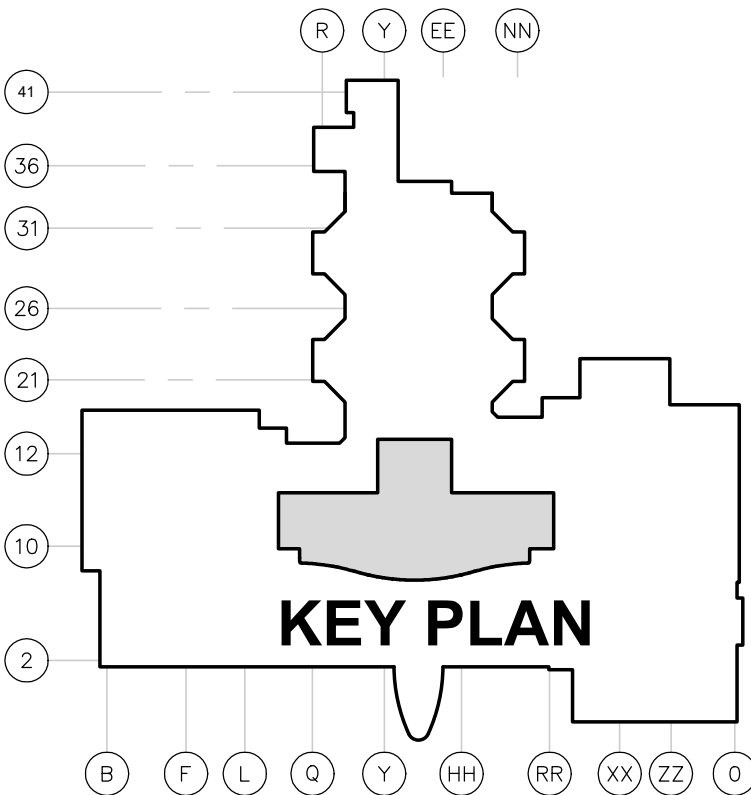


GENERAL NOTES

1. DEVICES AND/OR EQUIPMENT INDICATED ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

SHEET NOTES

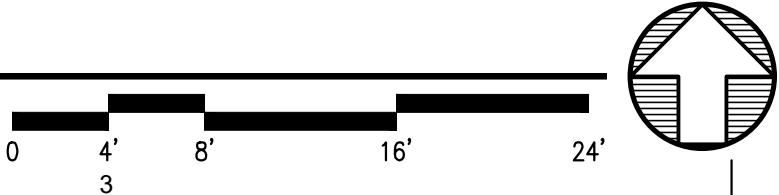
1. UTILIZE EXISTING CIRCUIT BREAKER IN EXISTING NORMAL POWER DISTRIBUTION PANEL TO PROVIDE POWER FOR LTC EXPANSION AREA, NORMAL POWER, BRANCH CIRCUIT PANELS IN ACCORDANCE WITH THE POWER ONE-LINE DIAGRAM.
2. PROVIDE FUSIBLE SWITCH IN EXISTING DISTRIBUTION SWITCHBOARD EDPQ2 TO PROVIDE POWER FOR LTC EXPANSION AREA, EQUIPMENT BRANCH CIRCUIT PANELS IN ACCORDANCE WITH THE POWER ONE-LINE DIAGRAM.



KEY PLAN

1 OVERALL PLAN - PENTHOUSE - ELECTRICAL

E1.11 SCALE: 1/8" = 1'-0"



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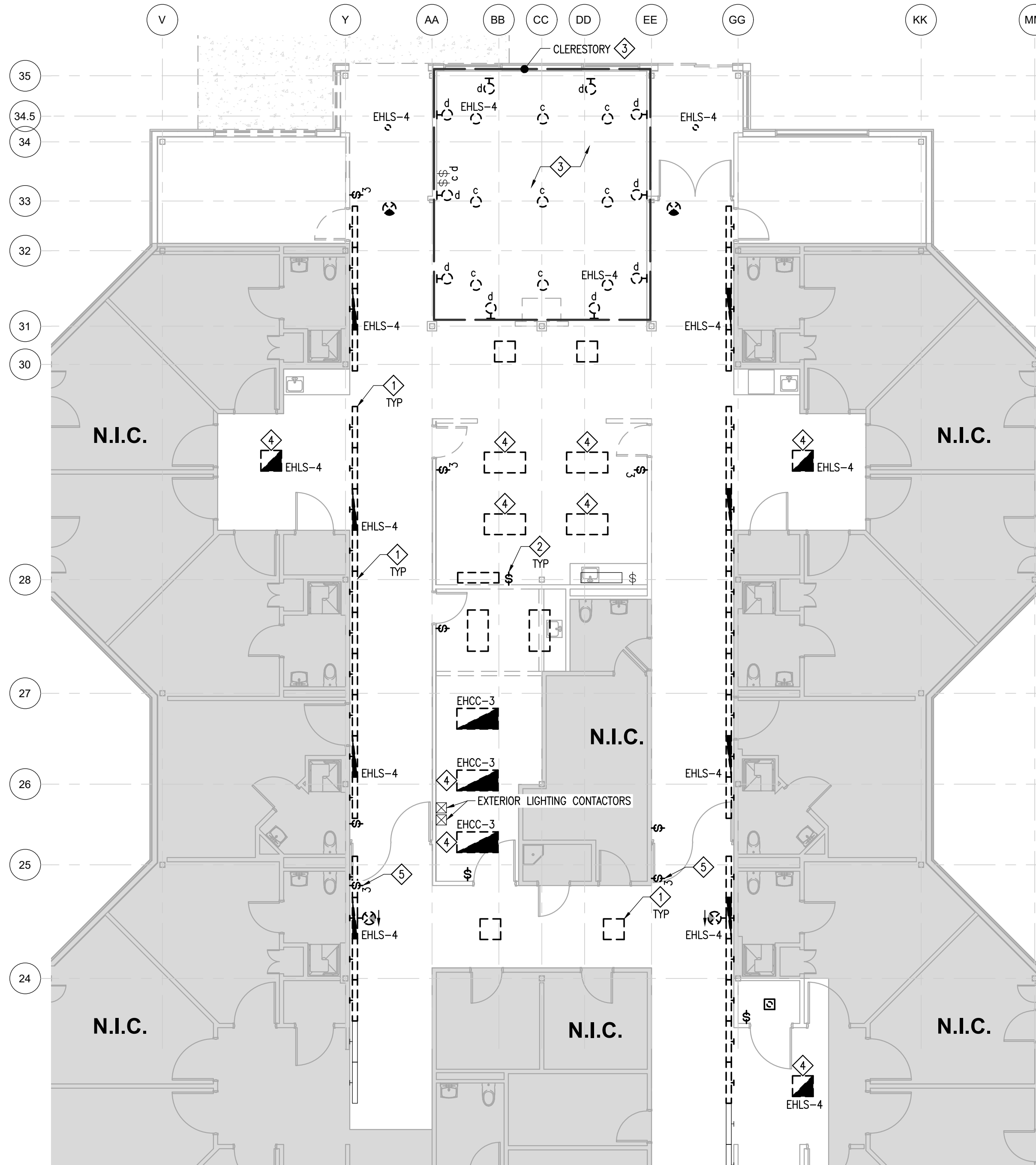
Sheet Contents  
OVERALL PLAN - PENTHOUSE -  
ELECTRICAL

Sheet No.  
**E1.11**

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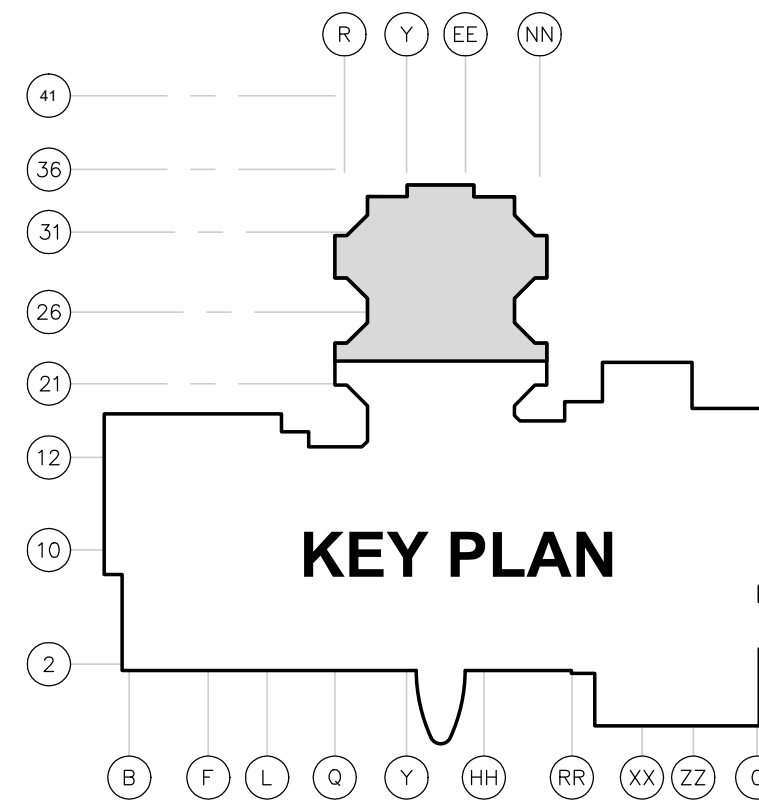
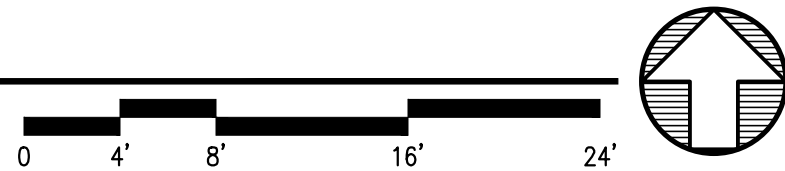
### DEMOLITION NOTES - LIGHTING

- DEMOLISH LIGHTING FIXTURE. DEMOLISH ASSOCIATED JUNCTION BOXES, CONDUITS, AND BRANCH CIRCUIT BACK TO LAST DEVICE TO REMAIN OR PANELBOARD AND MAKE SPARE.
- DEMOLISH LIGHT SWITCH. DEMOLISH ASSOCIATED JUNCTION BOXES, CONDUITS, AND BRANCH CIRCUIT BACK TO LAST DEVICE TO REMAIN OR PANELBOARD AND MAKE SPARE.
- DEMOLISH LIGHTING FIXTURES IN EXISTING TO REMAIN CLERESTORY. RETAIN BACKBOXES AND BRANCH CIRCUITS FOR RECONNECTION TO NEW FIXTURES.
- DEMOLISH LIGHTING FIXTURE IN EXISTING TO REMAIN CEILING. RETAIN CIRCUIT FOR RECONNECTION IN ACCORDANCE WITH E3.01.
- DEMOLISH LIGHT SWITCH CONTROLLING CORRIDOR LIGHTING SOUTH OF GRIDLINE 25 (ACUTE CARE AREA). DEMOLISH BACK BOX AND CIRCUIT BACK TO CEILING SPACE AND RECONNECT TO NEW LIGHT SWITCH PROVIDED IN ACCORDANCE WITH SHEET E3.01.



### 1 FLOOR PLAN - LIGHTING - DEMO

E2.01 SCALE: 1/8" = 1'-0"

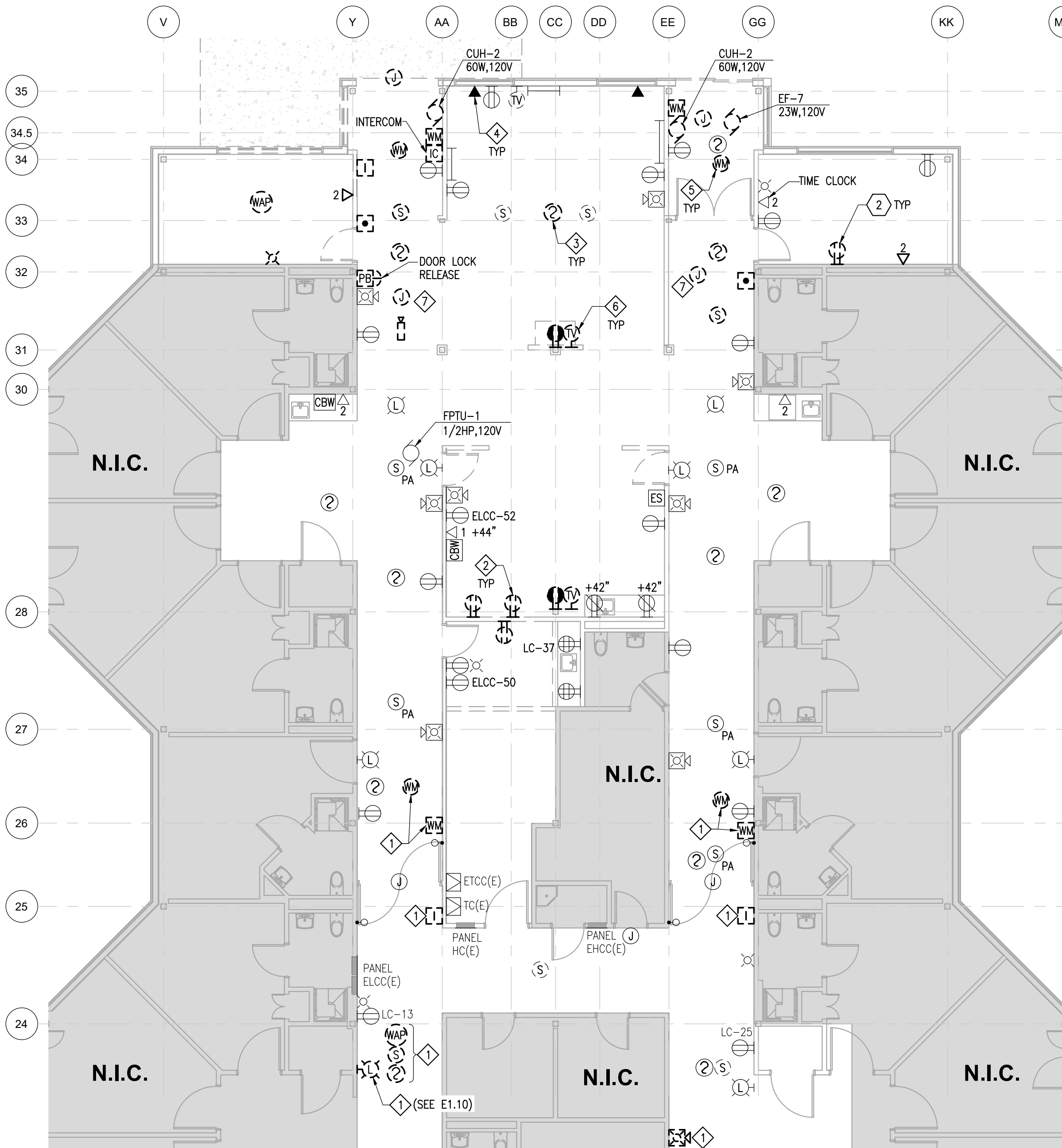


### GENERAL NOTES

- EQUIPMENT OR DEVICES INDICATED ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED OR INDICATED BY LINEWEIGHT.

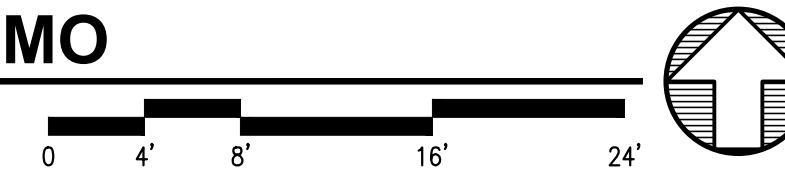
### DEMOLITION NOTES - POWER/SPECIAL SYSTEMS

- REMOVE DEVICE TO FACILITATE INSTALLATION OF NEW CORRIDOR DOUBLE DOORS. RETAIN DEVICE AND ASSOCIATED WIRING/CIRCUIT FOR REUSE.
- DEMOLISH RECEPTACLE AND DEMOLISH ASSOCIATED JUNCTION BOXES, CONDUITS, AND BRANCH CIRCUIT BACK TO LAST DEVICE TO REMAIN OR PANELBOARD.
- DEMOLISH FIRE ALARM DEVICE AND DEMOLISH ASSOCIATED JUNCTION BOXES, CONDUITS, AND CIRCUIT BACK TO LAST DEVICE TO REMAIN.
- DEMOLISH TELECOM OUTLET, JUNCTION BOX, AND CONDUIT. DEMOLISH TELECOM HORIZONTAL CABLING BACK TO SOURCE PATCH PANEL.
- REMOVE WANDER MANAGEMENT DEVICE AND RETAIN FOR REUSE.
- DEMOLISH CATV OUTLET AND ASSOCIATED BACK BOX AND CONDUITS. DEMOLISH CABLING BACK TO SPLITTERS IN PENTHOUSE TELECOM ROOM.
- REMOVE REAL TIME LOCATION SYSTEM (RTLS) DEVICE USED FOR STAFF/ASSET TRACKING AND RETAIN FOR REUSE.



### 2 FLOOR PLAN - POWER & SPECIAL SYSTEMS - DEMO

E2.01 SCALE: 1/8" = 1'-0"



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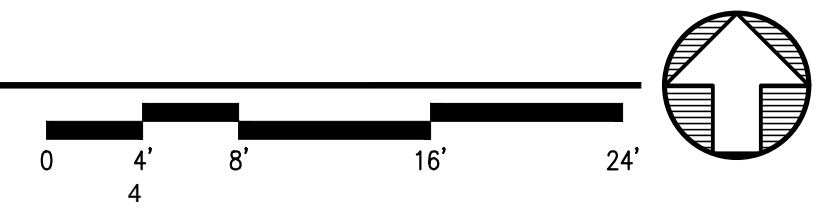
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Sheet Contents  
FLOOR PLAN - ELECTRICAL -  
DEMOLITION

Sheet No.  
**E2.01**

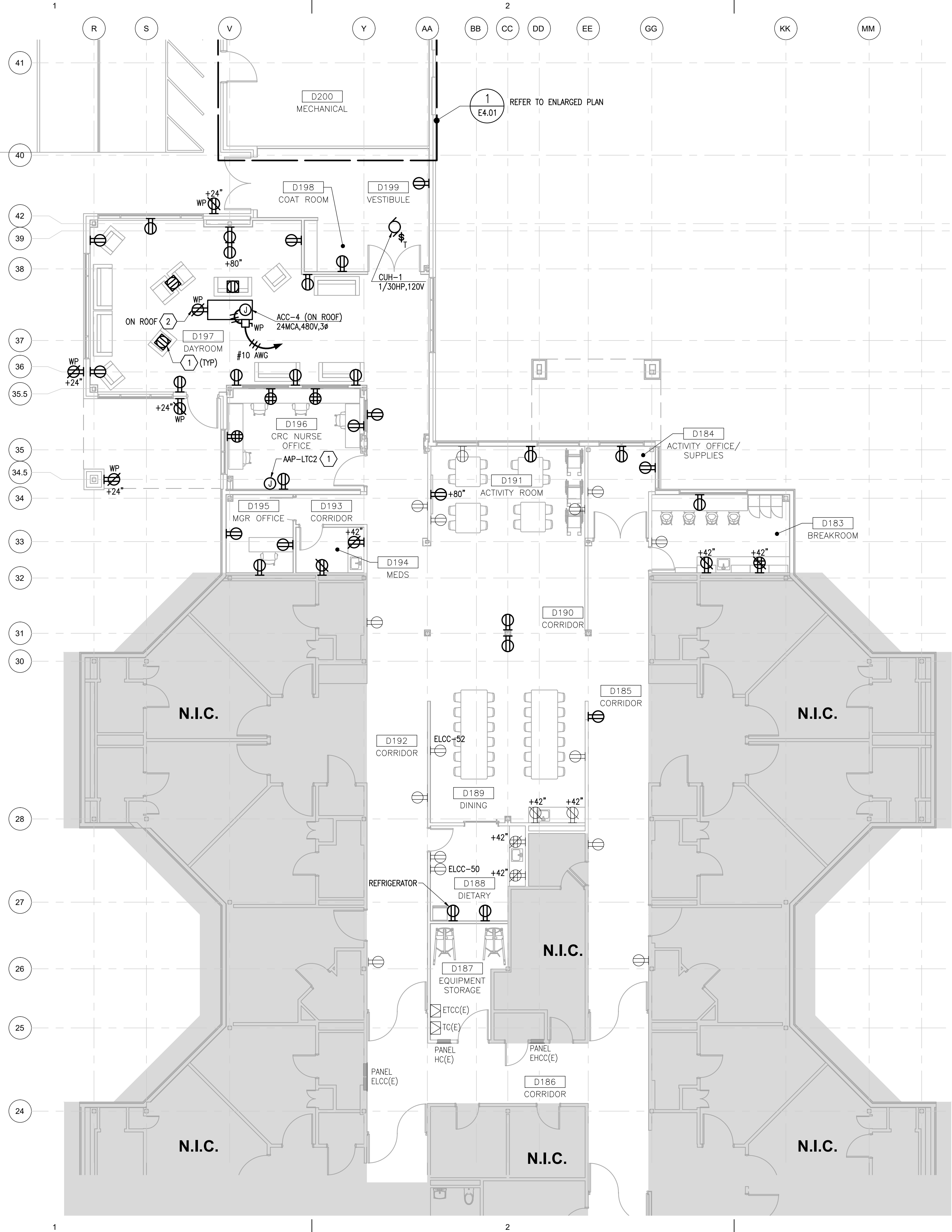




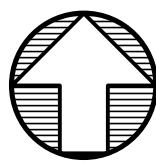
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**E3.01**

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1  
E3.02  
FLOOR PLAN - POWER  
SCALE: 1/8" = 1'-0"



#### GENERAL NOTES

- EQUIPMENT OR DEVICES INDICATED ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
- CONNECT CRITICAL BRANCH RECEPTACLES TO PANEL ELCD LOCATED IN MECHANICAL D200, CIRCUIT AS NOTED.
- CONNECT NORMAL BRANCH RECEPTACLES TO PANEL LD LOCATED IN MECHANICAL D200, CIRCUIT AS NOTED.

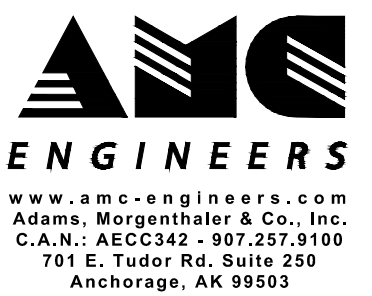
#### SHEET NOTES

- 1 PROVIDE FLOOR BOX AND DUPLEX RECEPTACLE. CONNECT TO CIRCUIT NOTED.
- 2 PROVIDE DUPLEX RECEPTACLE ON ROOF MOUNTED TO ACC-4. PROVIDE WEATHER PROOF IN USE COVER. CONNECT TO CIRCUIT NOTED.

KEY PLAN



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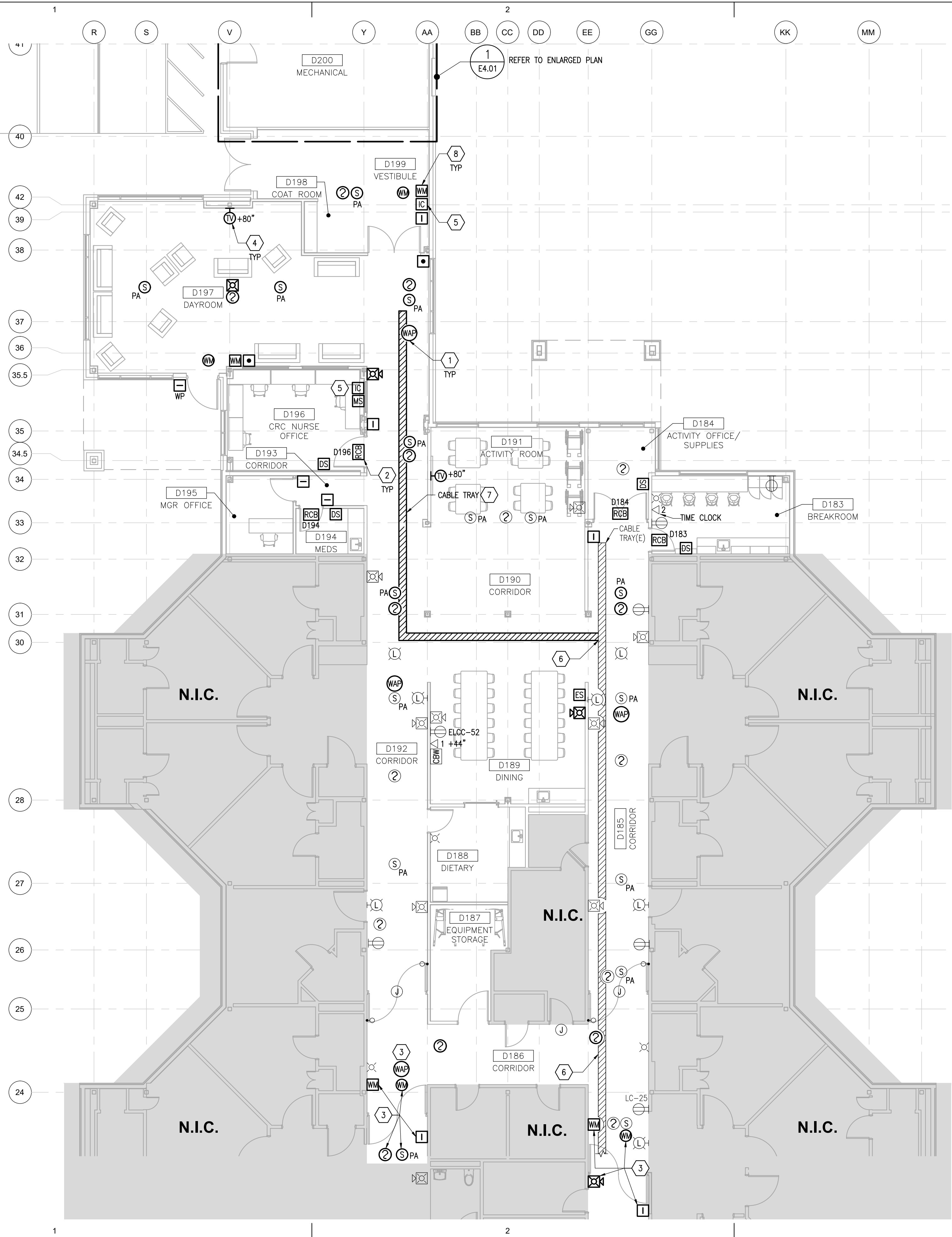
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Sheet Contents  
FLOOR PLAN - POWER

Sheet No.  
E3.02



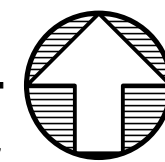
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1  
E3.03

## FLOOR PLAN - SPECIAL SYSTEMS

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



### GENERAL NOTES

- EQUIPMENT OR DEVICES INDICATED ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
- PROVIDE REAL TIME LOCATION SYSTEM (RTL) DEVICES FOR TRACKING OF STAFF. PROVIDE DEVICES, CONNECTION, AND PROGRAMMING NECESSARY TO INTEGRATE WITH EXISTING RTL. MANUFACTURER AND SPECIFICATIONS TO MATCH THE EXISTING RTL SYSTEM.

### SHEET NOTES

- PROVIDE TELECOM OUTLET IN ACCESSIBLE CEILING SPACE FOR CONNECTION TO OWNER FURNISHED, CONTRACTOR INSTALLED WIRELESS ACCESS POINT (WAP). PROVIDE TELECOMMUNICATION HORIZONTAL CABLE TO SPARE PATCH PANEL PORT IN THE MAIN TELECOM ROOM LOCATED IN THE PENTHOUSE. REFER TO SHEET E1.11 FOR ADDITIONAL INFORMATION. TERMINATE AND TEST CABLE AND CHANNEL IN ACCORDANCE WITH ANSI/TIA STANDARDS.
- PROVIDE NURSE CALL SYSTEM ROOM CONTROL BOX IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. CONNECT DEVICES IN ROOM TO ROOM CONTROL BOX IN ACCORDANCE WITH THE NURSE CALL SYSTEM DETAIL SHOWN ON SHEET E5.01. MANUFACTURER AND SPECIFICATIONS TO MATCH THE EXISTING RTL SYSTEM.
- REINSTALL DEVICE REMOVED DURING DEMOLITION TO FACILITATE INSTALLATION OF NEW CORRIDOR DOUBLE DOORS.
- PROVIDE CATV OUTLET AT LOCATION INDICATED. PROVIDE CABLING IN ACCORDANCE WITH DETAIL 3/ES.01.
- PROVIDE INTERCOM SYSTEM WITH VIDEO AND AUDIO FOR VISITOR CHECK IN. PROVIDE DOOR STATION IN VESTIBULE AND MASTER STATION IN CRC NURSE OFFICE. PROVIDE DEVICES, CONNECTIONS, AND PROGRAMMING REQUIRED TO ALLOW UNLOCKING OF ENTRY DOOR FROM INTERCOM MASTER STATION.
- TIE NEW CABLE TRAY INTO EXISTING CABLE TRAY AT LOCATION INDICATED.
- PROVIDE 12 INCH x 4 INCH CABLE TRAY ABOVE ACCESSIBLE CEILING.
- REINSTALL EXISTING WANDER MANAGEMENT DEVICE REMOVED DURING DEMOLITION.

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**65% DESIGN DEVELOPMENT**

23320

PROVIDENCE VALDEZ MEDICAL CENTER  
**LONG TERM CARE EXPANSION**  
911 MEALS AVE, VALDEZ, ALASKA 99686

Revisions		
No.	Description	Date

Drawn by DSD	Date 10/04/2024
Checked KAC	Job No. 23042.01

Sheet Contents  
FLOOR PLAN - SPECIAL SYSTEMS

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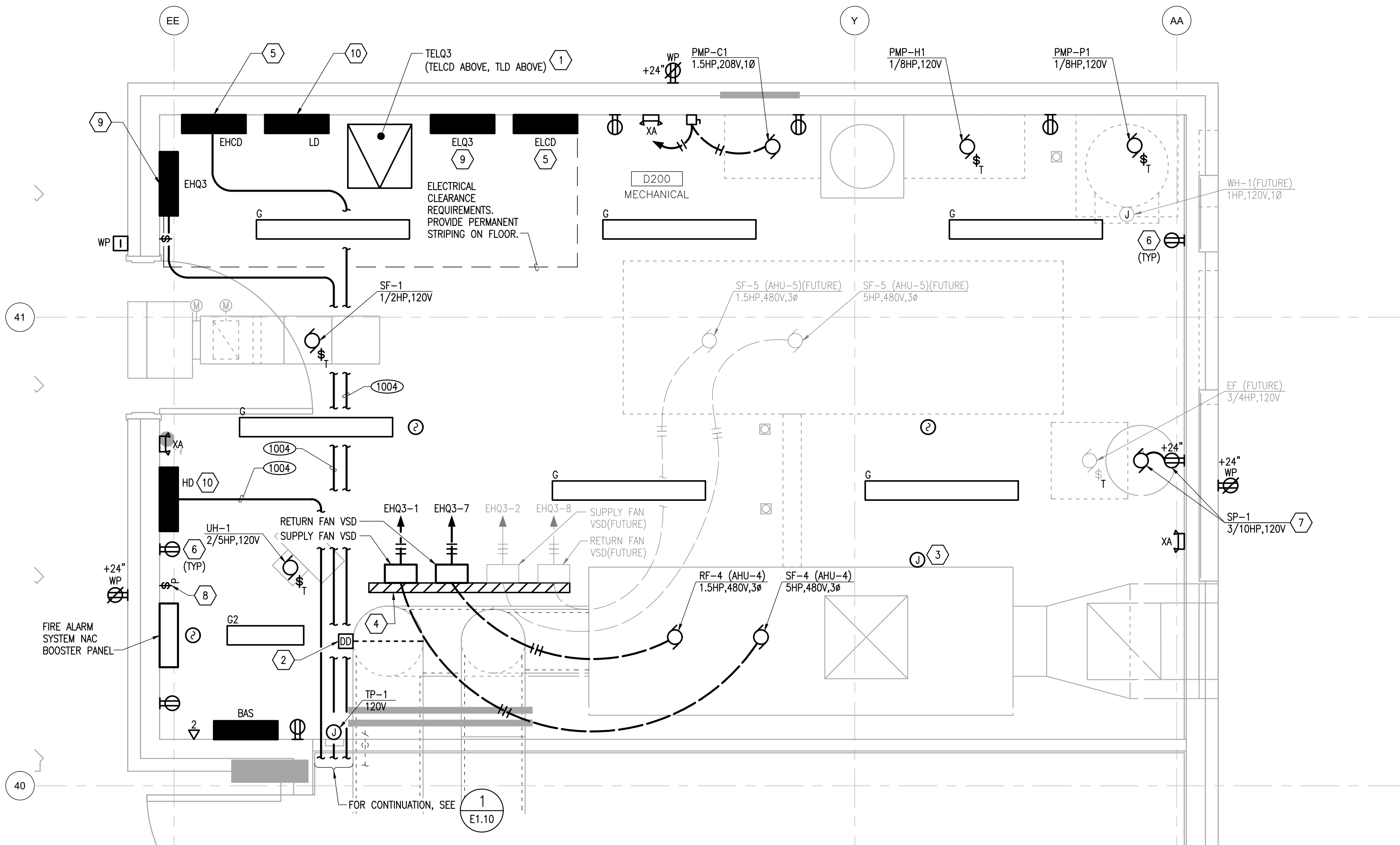
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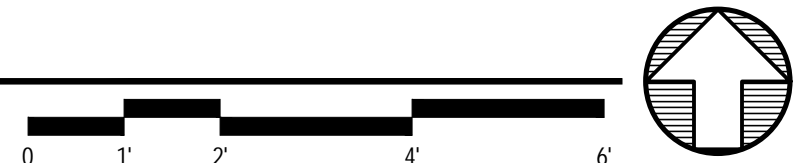
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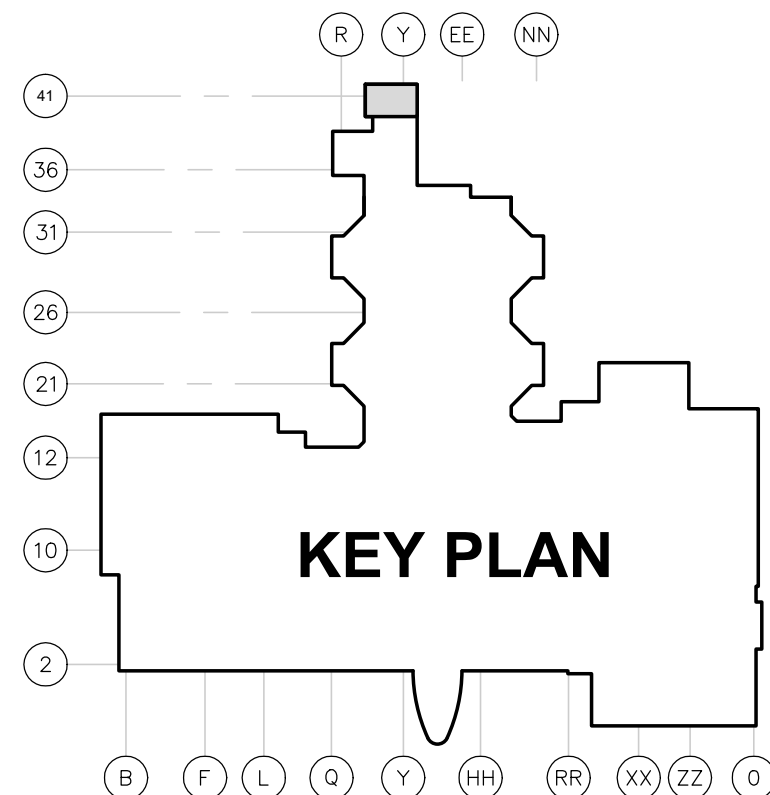


**1 ENLARGED PLAN - MECHANICAL - ELECTRICAL ROOM**  
E4.01 SCALE: 1/2" = 1'-0"



**SHEET NOTES**

- CONSTRUCT UNISTRUT FRAME TO STACK THREE (3) TRANSFORMERS, ONE ABOVE THE OTHER. SUBMIT SOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. REFER TO THE DETAIL ON SHEET E0.04 FOR ADDITIONAL INFORMATION.
- PROVIDE DUCT DETECTOR IN RETURN AIR PATH OF AIR HANDLER IN ACCORDANCE WITH IMC REQUIREMENTS.
- CONNECT RECEPTACLE/LIGHTS PROVIDED BY AIR HANDLER MANUFACTURER TO PANEL LD.
- PROVIDE UNISTRUT MOUNTING RACK FOR MOUNTING OF AIR HANDLER SUPPLY AND RETURN AIR VSDs. CONSTRUCT RACK AND MOUNT VSDs SUCH THAT THEY DON'T IMPEDE CONSTRUCTION OF FUTURE AIR HANDLER UNDER FUTURE PHASE(s).
- PROVIDE CRITICAL BRANCH BRANCH CIRCUIT PANEL AT LOCATION INDICATED. REFER TO POWER ONE-LINE DIAGRAM ON SHEET E5.02 FOR ADDITIONAL INFORMATION.
- PROVIDE WALL MOUNTED RECEPTACLE AT LOCATION INDICATED. CONNECT TO THE ELECTRICAL PANEL INDICATED, CIRCUIT AS NOTED.
- PROVIDE RECEPTACLE FOR CORD AND PLUG CONNECTION OF SEWAGE PUMP SP-1, CIRCUIT AS NOTED.
- PROVIDE PILOT LIGHTED SWITCH FOR ON/OFF CONTROL OF HEAT TRACE PROVIDED BY PER SHEET NOTE 5 ON SHEET E1.01. CONNECT TO CIRCUIT NOTED.
- PROVIDE EQUIPMENT BRANCH BRANCH CIRCUIT PANEL AT LOCATION INDICATED. REFER TO POWER ONE-LINE DIAGRAM ON SHEET E5.02 FOR ADDITIONAL INFORMATION.
- PROVIDE NORMAL BRANCH BRANCH CIRCUIT PANEL AT LOCATION INDICATED. REFER TO POWER ONE-LINE DIAGRAM ON SHEET E5.02 FOR ADDITIONAL INFORMATION.



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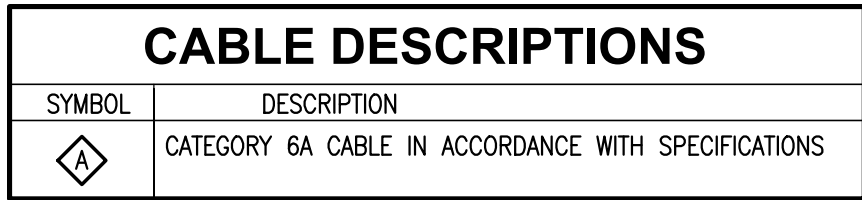
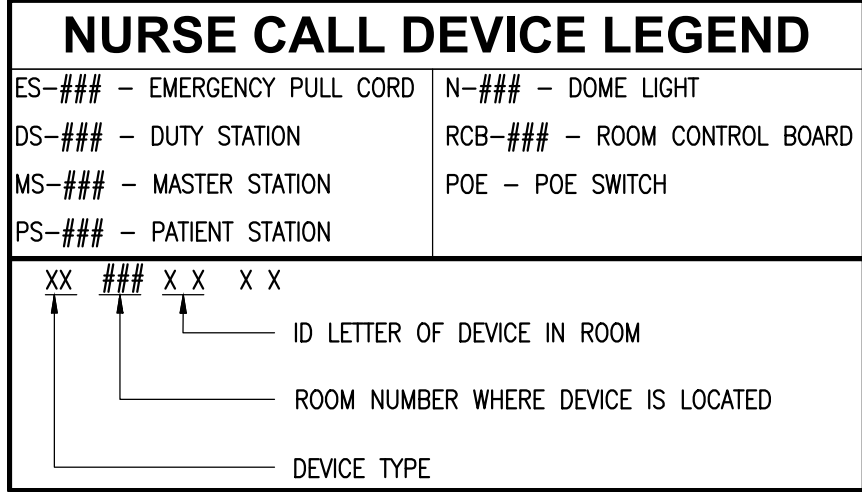
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No.	Description	Date

Drawn by DSD	Date 10/04/2024
Checked KAC	Job No. 23042.01

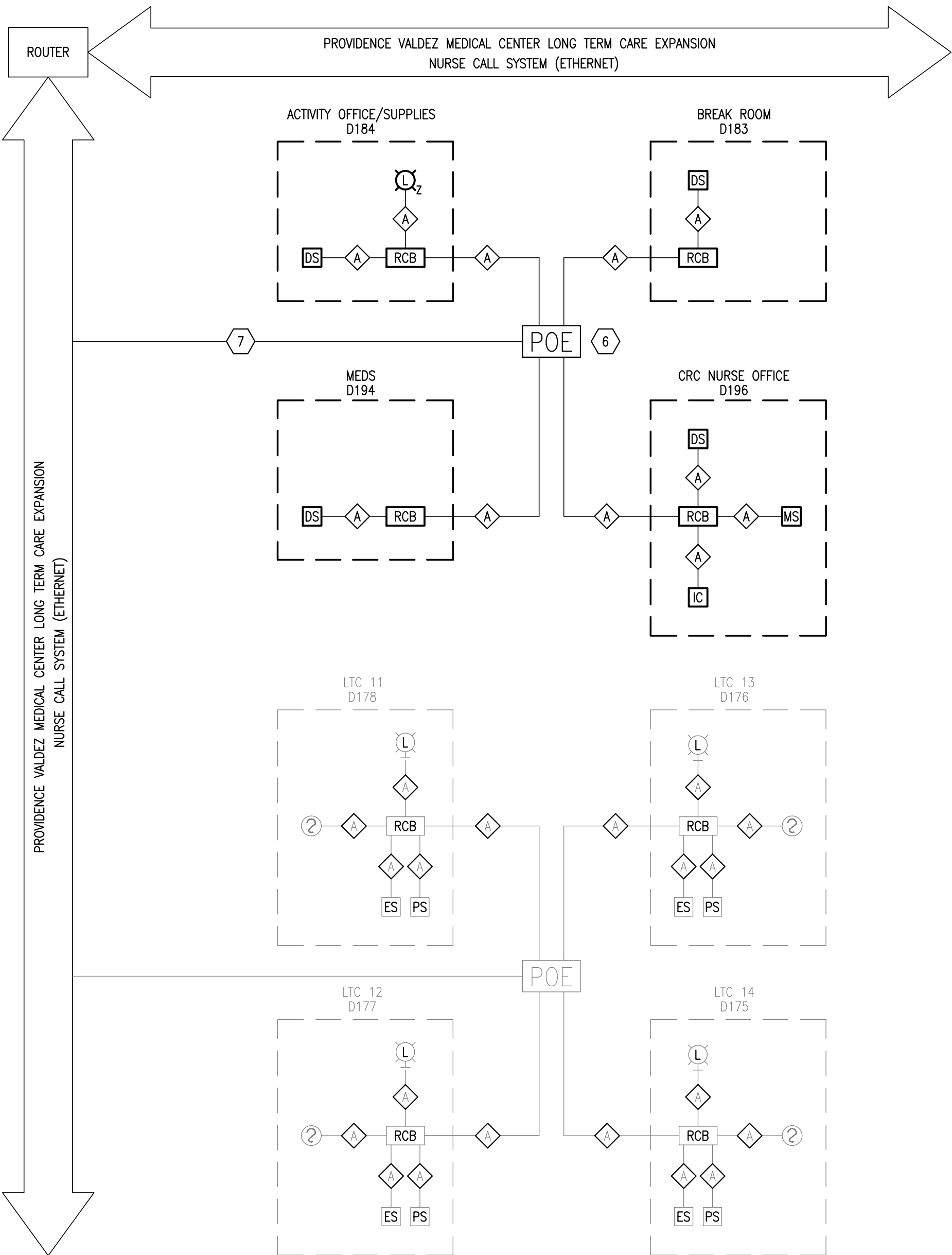
Sheet Contents ENLARGED PLAN - MECH-ELEC ROOM
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Sheet No.  
**E4.01**



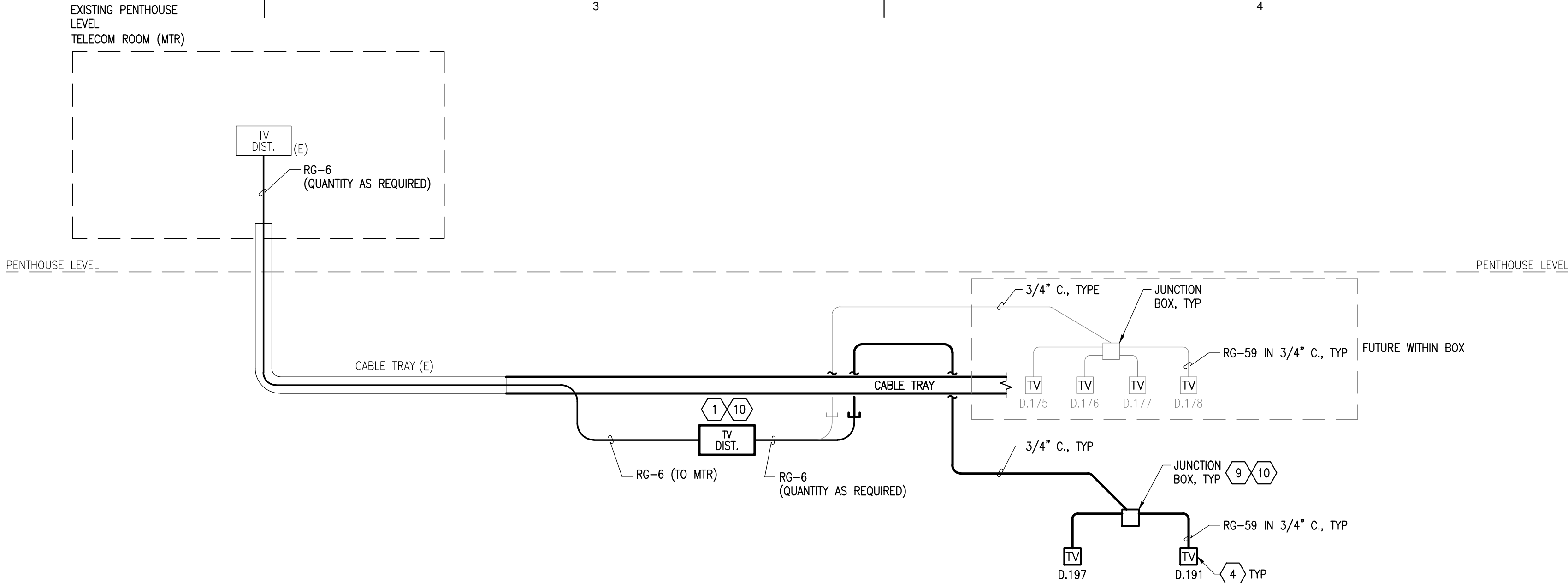


- GENERAL NOTES**
- EQUIPMENT AND/OR DEVICES INDICATED ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
- SHEET NOTES**
- PROVIDE BROADBAND PASSIVE TV DIRECTIONAL COUPLER TO SPLIT SIGNAL TO ROOMS/AREAS AS INDICATED. MOUNTED DIRECTIONAL COUPLER IN ACCESSIBLE CEILING SPACE ADJACENT TO CABLE TRAY. PROVIDE SUFFICIENT PORTS TO TERMINATE CABLES PROVIDED UNDER THIS CONTRACT.
  - OWNER FURNISHED NETWORK SWITCHES AND RELATED EQUIPMENT.
  - PROVIDE PATCH CORDS AND CONNECT OFOI NETWORK SWITCH.
  - TYPE F COAX CONNECTION WITH ACCOMPANYING TELECOM OUTLET IN ACCORDANCE WITH THE SPECIAL SYSTEMS FLOOR PLAN SHEETS.
  - PROVIDE CATEGORY 6A MODULAR PATCH PANELS FOR TELECOM HORIZONTAL CABLE PATCH PANELS IN SUFFICIENT QUANTITIES TO TERMINATE AND TEST CABLES PROVIDED UNDER THIS CONTRACT.
  - OWNER FURNISHED, CONTRACTOR INSTALLED (OFOI) NETWORK SWITCH.
  - PROVIDE CATEGORY 6A RATED PATCH CORDS TO CROSS CONNECT PATCH PANEL PORT TO OFOI NETWORK SWITCH.
  - ROUTE CONDUIT FROM FLOOR BOX TO CEILING SPACE CONCEALED VIA CONVENIENT ADJACENT WALL.
  - PROVIDE JUNCTION BOX IN CEILING SPACE TO HOUSE 4 PORT DIRECTIONAL COUPLER.
  - PROVIDE RF TERMINATOR ON UNUSED PORTS.



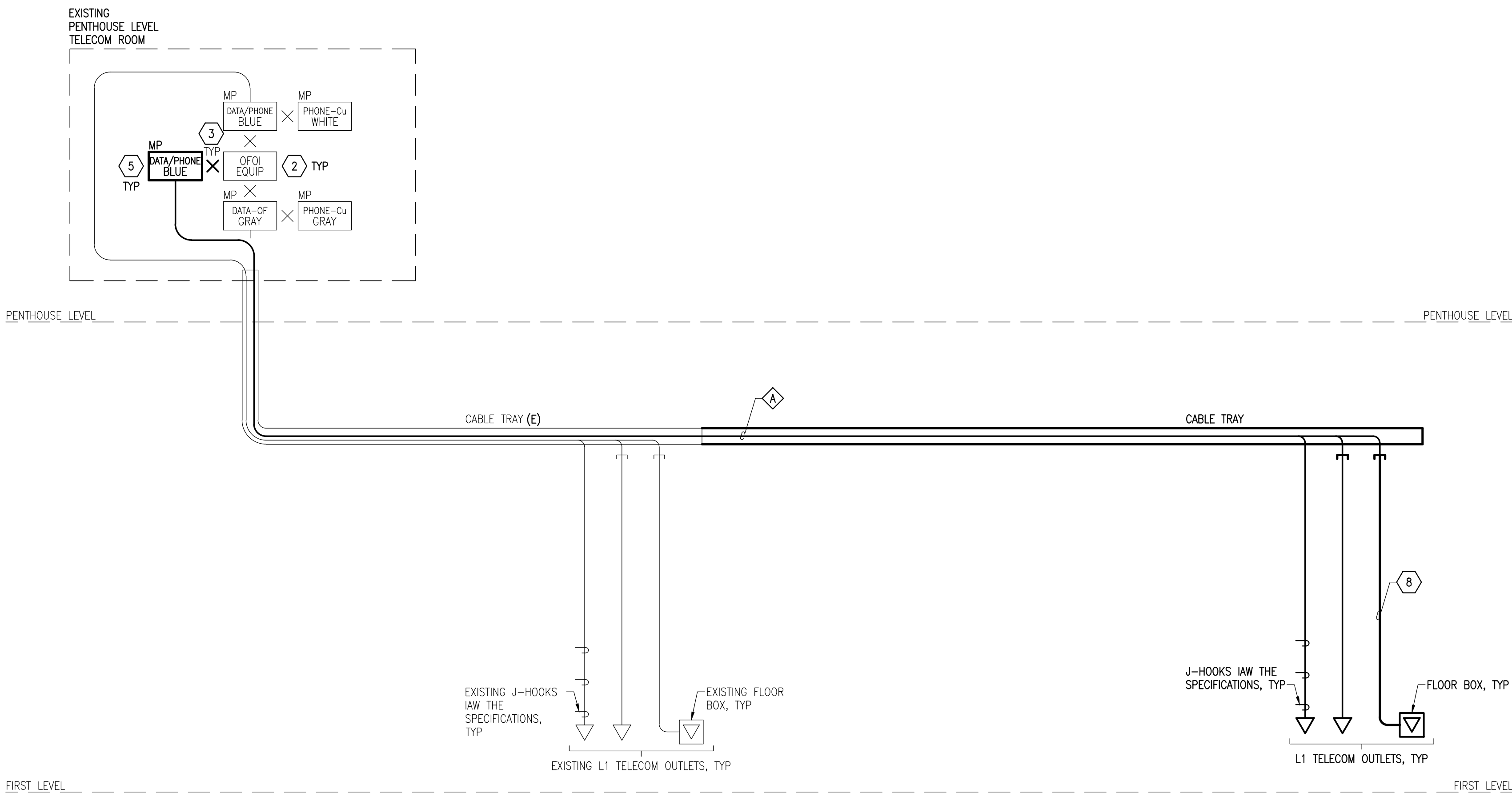
**2 NURSE CALL ONE-LINE DIAGRAM**

E5.01 SCALE: NONE



**3 CATV DISTRIBUTION ONE-LINE RISER DIAGRAM**

E5.01 SCALE: NONE



**1 TELECOM ONE-LINE RISER DIAGRAM**

E5.01 SCALE: NONE

AECC561

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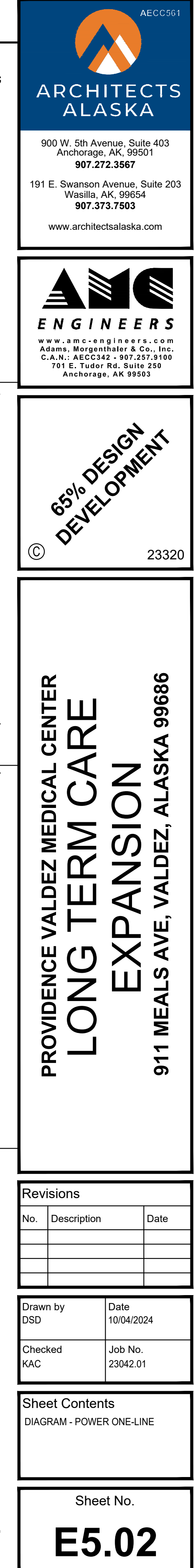
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No.	Description	Date

Drawn by DSD	Date 10/04/2024
Checked KAC	Job No. 23042.01

Sheet Contents  
DIAGRAM - TELECOM & NURSE  
CALL ONE-LINES

Sheet No.  
**E5.01**





## Exhibit 4

### 2024-2026 PVMC Community Health Improvement Plan

# 2024 - 2026

## COMMUNITY HEALTH IMPROVEMENT PLAN

### Providence Valdez Medical Center

Valdez, Alaska



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To provide feedback about this CHIP or obtain a printed copy free of charge, please email Nathan Johnson at [Nathan.Johnson@Providence.org](mailto:Nathan.Johnson@Providence.org)



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# EXECUTIVE SUMMARY

Providence continues its Mission of service in Valdez through Providence Valdez Medical Center (PVMC) and the Providence Valdez Counseling Center (PVCC). PVMC is a critical access hospital that features 11 acute care beds and 10 long-term care beds, located in Valdez, Alaska. The hospital's service area is the entirety of the city of Valdez, including approximately 3,985 people.

PVMC dedicates resources to improve the health and quality of life for the communities it serves, with special emphasis on the needs of people experiencing social inequities and health disparities. The Community Health Needs Assessment (CHNA) is an opportunity for PVMC to engage the community every three years with the goal of better understanding community strengths and needs. The results of the CHNA are used to guide and inform efforts to better address the needs of the community. Through a mixed-methods approach, using quantitative and qualitative data, the CHNA process relied on several sources of information: state and national public health data, qualitative data from interviews with community stakeholders, and hospital utilization data. The 2023 CHNA was adopted by the Providence Alaska Region Board of the hospital on October 17, 2023.

## Providence Valdez Medical Center Community Health Improvement Plan Priorities

As a result of the findings of our [2023 CHNA](#) and through a prioritization process aligned with our Mission, resources, and hospital strategic plan, PVMC will focus on the following areas for its 2024-2026 Community Benefit efforts:

### PRIORITY 1: BEHAVIORAL HEALTH (MENTAL HEALTH AND SUBSTANCE USE/MISUSE)

Mental health is foundational to quality of life, physical health and the health of the community and includes our emotional, psychological, and social well-being. Substance misuse and mental health disorders such as depression and anxiety are closely linked. Alcohol and drugs are often used to self-medicate the symptoms of mental health problems. Poor mental health and substance misuse have significant health and social impacts on the well-being of individuals and the community as a whole.

### PRIORITY 2: BASIC NEEDS / ECONOMIC SECURITY

There is substantial and increasing evidence that socio-economic factors are just as important to an individual's health as genetics or certain health behaviors. Economic or financial insecurity is chief amongst those factors that have a tremendous impact on health. With economic insecurity comes an increased risk of food insecurity, homelessness, and inability to meet basic needs. Education, job security, food security, and the availability of affordable childcare and housing all play a foundational role in a person's health and well-being.

### PRIORITY 3: PHYSICAL HEALTH

Roughly thirty percent of the determinants of an individual's health are due to their behaviors and lifestyle choices, with socioeconomic, environmental, and health care related factors combined making up the remaining seventy percent. Creating an environment that favors the adoption of healthy



behaviors related to physical activity, nutrition, sleep, and stress management can prevent the onset of costly chronic diseases, reduce the need for healthcare services, and substantially improve quality of life and longevity.

#### PRIORITY 4: ACCESS TO HEALTHCARE

Access to healthcare means receiving the right care at the right time and in the right place or setting - the timely use of personal health services to achieve the best outcomes. Barriers to achieving that include the lack of locally available and accessible primary care and specialty care services, lack of means to pay or being uninsured, and can include cultural, language, and transportation challenges.

# INTRODUCTION

## Who We Are

**Our Mission** As expressions of God’s healing love, witnessed through the ministry of Jesus, we are steadfast in serving all, especially those who are poor and vulnerable.

**Our Vision** Health for a Better World.

**Our Values** Compassion — Dignity — Justice — Excellence — Integrity

PVMC is a critical access hospital that features 11 acute care beds and 10 long-term care beds, located in Valdez, Alaska. Major programs and services offered to the community include the following:

- 24-hour emergency services
- Obstetrical services, anesthesia, labor and delivery, postpartum care
- Laboratory – CLIA-certified
- Imaging services to include ultrasound, CAT scan, and bone densitometry
- Physical, occupational, and speech therapy
- Stress testing
- General medical care
- Endoscopy and minor surgical services
- Sleep disorder studies
- Specialty physician clinics

## Our Commitment to Community

PVMC dedicates resources to improve the health and quality of life for the communities we serve. For more information on the resources invested to improve the health and quality of life for the communities we serve, please refer to our Annual Report to our Communities:

<https://www.providence.org/about/annual-report>.

## Health Equity

At Providence, we acknowledge that all people do not have equal opportunities and access to living their fullest, healthiest lives due to systems of oppression and inequities. We are committed to ensuring health equity for all by addressing the underlying causes of racial and economic inequities and health disparities. Our Vision is “Health for a Better World,” and to achieve that we believe we must address not only the clinical care factors that determine a person’s length and quality of life, but also the social and economic factors, the physical environment, and the health behaviors that all play an active role in determining health outcomes.



To ensure that equity is foundational to our CHIP, we have developed an equity framework that outlines the best practices that each of our hospital will implement when completing a CHIP. These practices include, but are not limited to the following:

**Figure 1. Best Practices for Centering Equity in the CHIP**



## Planning for the Uninsured and Underinsured

Our Mission is to provide quality care to all our patients, regardless of ability to pay. We believe that no one should delay seeking needed medical care because they lack health insurance. That is why PVMC has a Financial Assistance Program (FAP) that provides free or discounted services to eligible patients.

One way PVMC informs the public of FAP is by posting notices. Notices are posted in high volume inpatient and outpatient service areas. Notices are also posted at locations where a patient may pay their bill. Notices include contact information on how a patient can obtain more information on financial assistance as well as where to apply for assistance. These notices are posted in English and Spanish and any other languages that are representative of 5% or greater of patients in the hospital's service area. All patients who demonstrate lack of financial coverage by third party insurers are offered an opportunity to complete the Patient Financial Assistance Application and are offered information, assistance, and referral as appropriate to government sponsored programs for which they may be eligible. For information on our Financial Assistance Program click: <https://www.providence.org/obp/ak/financial-assistance>.

# OUR COMMUNITY

## Description of Community Served

The service area of Providence Valdez Medical Center is defined as the city of Valdez. Valdez is located on Prince William Sound and surrounded by the Chugach Mountains. The city is connected to the interior of Alaska by the Richardson Highway and is roughly 300 miles by road from Anchorage. Valdez includes a population of approximately 3,985 people.

**Figure 2. Providence Valdez Medical Center Service Area**



## Community Demographics

### POPULATION AND AGE DEMOGRAPHICS

The 2020 Decennial Census reported the total population of the city of Valdez as 3,985 people, with a slightly higher percentage of males (52.9%) than females (47.1%). Almost 66% of the population is between the ages of 18 and 64 years.

### POPULATION BY RACE AND ETHNICITY

The population in Valdez is primarily white (75.66%), although 10.34% of the population identify as two or more races and 7.75% identify as American Indian and Alaska Native. Almost 7% of the population identify as Hispanic or Latino. (Source: 2020 Decennial Census)



## SOCIOECONOMIC INDICATORS

In comparison to the state of Alaska, Valdez has a higher median household income, as well as lower levels of poverty. The median household income in Valdez is \$99,151 and the average household size is 2.42 persons. The median gross rent in Valdez, \$1,250, is similar to that of Alaska at \$1,279. *(Source: 2021 ACS 5-year estimates)*

Based on the 2023 Valdez Community Health Survey, 5% of residents are sleeping in a place not meant for sleeping (e.g., as outside, improvised dwelling, or in a car) or in a temporary situation (e.g., “couch surfing” with family or friends or in a shelter). *(Source: 2023 Valdez Community Health Survey)*

**Full demographic and socioeconomic information for the service area can be found in the [2023 CHNA for Providence Valdez Medical Center](#).**

# COMMUNITY NEEDS AND ASSETS ASSESSMENT PROCESS AND RESULTS

## Summary of Community Needs Assessment Process and Results

In gathering information on the communities served by the Providence Valdez Medical Center we looked not only at the health conditions of the population, but also at socioeconomic factors, the physical environment, and health behaviors. In addition, we recognize that there are often geographic areas where the conditions for supporting health are poorer than nearby areas. Whenever possible and reliable, data are reported at census tract level. These smaller geographic areas allow us to better understand the neighborhood level needs of our communities and better address inequities within and across communities.

We reviewed data from the following sources:

Primary Data Sources	Secondary Data Sources
<ul style="list-style-type: none"><li>• Key informant interviews</li><li>• Health and Wellbeing Monitor community health survey</li><li>• Internal hospital utilization data</li></ul>	<ul style="list-style-type: none"><li>• American Community Survey</li><li>• Behavioral Risk Factor Surveillance System (BRFSS)</li><li>• U.S. Decennial Census</li></ul>

## Significant Community Health Needs Prioritized

PRIORITY 1: BEHAVIORAL HEALTH (MENTAL HEALTH AND SUBSTANCE USE/MISUSE)

PRIORITY 2: BASIC NEEDS / ECONOMIC SECURITY

PRIORITY 3: PHYSICAL HEALTH

PRIORITY 4: ACCESS TO HEALTHCARE

## Needs Beyond the Hospital’s Service Program

No hospital facility can address all of the health needs present in its community. We are committed to continuing our Mission through Providence Alaska Foundation’s Community Health Partnership Grants program.



# COMMUNITY HEALTH IMPROVEMENT PLAN

## Summary of Community Health Improvement Planning Process

As part of the CHNA, a CHNA advisory group was established utilizing the existing PVMC Health Advisory Council to inform and guide the process and identify the top health priorities for the community based on CHNA community health data. The committee was comprised of local community leaders and health-related experts that represent the broad interests and demographics of the community. The CHNA advisory committee engaged in a facilitated process to identify the top health priorities. The process started with the findings of the key stakeholder interview qualitative analysis. These findings were used to frame the discussion of the top health issues facing the community. A review of the quantitative data (community-wide Health and Wellbeing Monitor survey and health care utilization data) was conducted to validate and enrich the discussion of the key stakeholder interview key findings. Through the facilitated discussion of the qualitative and quantitative data, the CHNA advisory group identified the priorities below.

The following criteria were considered in the prioritization process:

- Worsening trend over time
- Disproportionate impact on low income and/or Black, Brown, Indigenous, and People of Color (BBIPOC) communities
- Providence service area/high need service area rates worse than state average and/or national benchmarks
- Opportunity to impact: organizational commitment, partnership, severity, and/or scale of need

PVMC leadership developed the following Community Health Improvement Plan with input from the PVMC Health Advisory Council.

## Addressing the Needs of the Community: 2024- 2026 Key Community Benefit Initiatives and Evaluation Plan

### COMMUNITY NEED ADDRESSED #1: BEHAVIORAL HEALTH (MENTAL HEALTH AND SUBSTANCE USE/MISUSE)

**Table 1. Strategies and Strategy Measures for Addressing Behavioral Health**

Strategy	Population Served	Outcome/Measure
1. Coordinate a robust array of substance use disorder (SUD) recovery supported activities and peer support programs to provide enriching learning, social, and physical activities in substance-free environments	Community members in SUD recovery	<ul style="list-style-type: none"><li>• Offer monthly programming</li><li>• Increased community participation</li></ul>

2. Continue to strengthen our community response for those at risk for suicide, including: crisis response programming, collaborating with law enforcement in the community setting, and providing Applied Suicide Intervention Skills Training (ASIST)	Community members experiencing acute mental health crisis	<ul style="list-style-type: none"> <li>• Maintain 24/7 access to mental health crisis services</li> <li>• Increased community-based response by mental health clinicians</li> <li>• Offer ASIST trainings 2-4 times per year</li> </ul>
---	---	---

#### Resource Commitment

Providence has committed funding, staffing, and equipment as needed to support the Community Health Improvement Plan.

## COMMUNITY NEED ADDRESSED #2: BASIC NEEDS / ECONOMIC SECURITY

**Table 2. Strategies and Strategy Measures for Addressing Basic Needs / Economic Security**

Strategy	Population Served	Outcome/Measure
1. Provide outreach to populations at higher risk due to social determinants of health through charity care programming, assisting with Medicare/Medicaid applications, and educational programs	Broader Community, Low Income, un/under-insured	Regular outreach efforts to provide education and support
2. Collaborate with community partners to address economic issues such as housing and childcare	Broader Community, Low Income	Continued support and participation in community collaborations such as the Childcare Task Force and local housing initiatives

#### Resource Commitment

Providence has committed funding, staffing, and equipment as needed to support the Community Health Improvement Plan.

#### Key Community Partners

City of Valdez and City Council  
State of Alaska  
Business Leaders



Valdez City School District  
 Prince William Sound College  
 US Coast Guard  
 Public Health  
 Advocates for Victims of Violence  
 Valdez Food Bank

### COMMUNITY NEED ADDRESSED #3: PHYSICAL HEALTH

**Table 3. Strategies and Strategy Measures for Addressing Physical Health**

Strategy	Population Served	Outcome/Measure
1. Enhance access to primary care services through provider recruitment	Broader Community	Increased physician coverage of primary care services in Valdez (Current state 3 providers, Target 4-5 providers)
2. Establish educational and support groups to help community members manage chronic disease, minimize traumatic injuries, and promote health	Broader Community, Individuals with Chronic Conditions	<ul style="list-style-type: none"> <li>• Participation in community health and wellness fairs</li> <li>• Provide community education focused on pertinent topics (1 per quarter)</li> </ul>
3. Promote preventative care across the spectrum of health	Broader Community	Increased access to preventative care (e.g., endoscopy)

#### Resource Commitment

Providence has committed funding, staffing, and equipment as needed to support the Community Health Improvement Plan.

#### Key Community Partners

City of Valdez and City Council  
 Valdez City School District  
 Prince William Sound College  
 US Coast Guard  
 Public Health

## COMMUNITY NEED ADDRESSED #4: ACCESS TO HEALTH CARE

**Table 4. Strategies and Strategy Measures for Addressing Access to Health Care**

Strategy	Population Served	Outcome/Measure
1. Move forward prioritized projects included in Providence Valdez Medical Center Hospital Expansion Plan	Broader Community	<ul style="list-style-type: none"><li>• Long-Term Care Expansion</li><li>• Emergency Department Redesign</li><li>• Upgrade diagnostic equipment (CT, MRI, etc.)</li></ul>
2. Expand access to Primary Care and Specialty Care services in Valdez	Broader Community	<ul style="list-style-type: none"><li>• Increased primary care utilization (volumes) by 25% from 2024 to 2025</li><li>• Increase access to specialty care through visiting clinics (# of specialty clinics)</li></ul>

### *Resource Commitment*

Providence has committed funding, staffing, and equipment as needed to support the Community Health Improvement Plan.


### *Key Community Partners*

City of Valdez and City Council  
Providence Alaska Regional Partners  
Medical Specialists



## 2024-2026 VALDEZ CHIP GOVERNANCE APPROVAL

This Community Health Improvement Plan was adopted by the Providence Alaska Region Board of the hospital on April 16, 2024. The final report was made widely available by May 15, 2024.

DocuSigned by:  
  
D8CE6390EB04413

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Ella Goss, MSN, RN  
Alaska Region Chief Executive  
Providence

4/16/24  
Date

DocuSigned by:  
  
7482508B3C1E49F

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Scott Wellmann, MD  
Chair, Providence Alaska Region Board

4/16/24  
Date

DocuSign Envelope ID: 1D622B8D-0F8C-48EC-ABED-959E0DA8B795

### CHNA/CHIP Contact:

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Regional Director, Community Health Investment  
3760 Piper Street Anchorage, AK 99508  
Nathan.Johnson@providence.org

To request a printed copy free of charge, provide comments, or view electronic copies of current and previous Community Health Improvement Plans please email [CHI@providence.org](mailto:CHI@providence.org).

## Exhibit 5

### Long-Term Care Need Methodology



# Long Term Care Need Methodology

## Current SNF Capacity in Alaska

Facility Name	Calendar Year	ICF/SNF BEDS	CENSUS July 1	TOTAL BED	0-64 Bed Days	65-74 Bed Days	75-84 Bed Days	84 + Bed Days
CENTRAL PENINSULA HOSPITAL	2021	60	50	17,967	3,061	4,563	4,897	5,446
CORDOVA COMMUNITY MEDICAL CENTER	2021	10	10	3,632	1,089	-	727	1,816
DENALI CENTER (Fairbanks Memorial Hosp)	2021	90	74	26,085	9,105	7,222	5,826	3,932
Maple Springs of Palmer	2021	67	40	14,193	2,413	4,683	4,826	2,271
Maple Springs Wasilla	2021	67	63	21,485	5,806	8,164	6,201	1,314
Petersburg Medical Center	2021	15	8	3,982	55	1,510	1,403	1,014
Prestige Care and Rehab Center	2021	102	87	34,370				
Providence Health & Services Washington (Extended Car	2021	96	95	33,503	11,784	8,416	6,205	7,098
Providence Health & Services Washington(Transitional C	2021	50	34	11,465	3,815	4,189	2,041	1,420
Providence Kodiak Island Medical Center	2021	22	21	7,854	933	1,206	2,243	3,461
Providence Seward Mountain Haven	2021	40	36	13,748	2,062	5,842	4,469	1,375
Providence Valdez Medical Center	2021	10	10	3,550	730	352	1,345	1,123
South Peninsula Hospital	2021	28	20	6,196	257	1,008	2,563	2,368
Wildflower Court	2021	61	56	19,107	1,692	5,851	7,353	4,211
PeaceHealth Ketchikan Medical Center	2021	29						
<b>Total</b>		<b>747</b>		<b>217,137</b>				
CENTRAL PENINSULA HOSPITAL	2022	60	50	18,524	3,139	4,120	6,044	5,221
CORDOVA COMMUNITY MEDICAL CENTER	2022	10	10	3,639	1,456	-	365	1,818
DENALI CENTER (Fairbanks Memorial Hosp)	2022	90	74	26,332	8,020	7,082	6,926	3,974
Maple Springs of Palmer	2022	67	44	16,553	3,311	5,462	4,469	3,311
Maple Springs Wasilla	2022	67	63	29,762	3,274	9,524	11,309	
PeaceHealth Ketchikan Medical Center	2022	29	19	6,979	1,139	1,443	2,601	1,796
Petersburg Medical Center	2022	15	9	3,818	169	1,782	313	1,554
Prestige Care and Rehab Center	2022	102	97	34,585				
Providence Health & Services Washington (Extended Car	2022	96	90	32,914	11,052	9,169	7,114	5,579
Providence Health & Services Washington(Transitional C	2022	50	3	15,781	6,022	4,518	4,105	1,136
Providence Kodiak Island Medical Center	2022	22	21	7,710	1,216	1,598	1,325	
Providence Seward Mountain Haven	2022	40	38	13,326	2,010	8,031	1,825	1,460
Providence Valdez Medical Center	2022	10	10	3,563	718	972	778	1,095
South Peninsula Hospital	2022	28	21	7,907	243	1,797	1,556	4,311
Wildflower Court	2022	61	48	17,282	1,854	4,134	7,294	4,000
<b>Total</b>		<b>747</b>		<b>238,675</b>				
CENTRAL PENINSULA HOSPITAL	2023	60	49	18,023	3,080	3,453	7,110	4,380
CORDOVA COMMUNITY MEDICAL CENTER	2023	10	9	3,372	1,686		674	1,012
DENALI CENTER (Fairbanks Memorial Hosp)	2023	90		25,762				
Maple Springs of Palmer	2023	67	59	21,440	7,628	5,200	5,304	3,308
Maple Springs Wasilla	2023	67	45	15,742	1,889	9,760	3,935	158
PeaceHealth Ketchikan Medical Center	2023	29						
Petersburg Medical Center	2023	15	13	4,925	495	1,713	958	1,759
Prestige Care and Rehab Center	2023	102						
Providence Health & Services Washington (Extended Car	2023	96	95	34,669	11,267	10,723	8,240	4,439
Providence Health & Services Washington(Transitional C	2023	50	42	16,318	4,639	6,091	3,220	2,368
Providence Kodiak Island Medical Center	2023	22	22	7,619	647	2,484	1,712	2,776
Providence Seward Mountain Haven	2023	40	40	14,110	3,574	2,772	5,642	2,122
Providence Valdez Medical Center	2023	10	10	3,590	637	1,020	1,095	838
South Peninsula Hospital	2023	28	25	8,313	727	1,088	2,872	3,626
Wildflower Court	2023	61						
Aspen Creek Nursing Facility	2023	150	-					
Maple Springs of Anchorage	2023	120	-					
<b>Total</b>		<b>1,017</b>		<b>173,883</b>				

## Long Term Care Need Methodology

### Historical Utilization: Providence Valdez Medical Center & Cordova Community Medical Center

Facility Name	Calendar Year	ICF/SNF BEDS	TOTAL BED DAYS	Utilization	0-64 Bed Days	65-74 Bed Days	75-84 Bed Days	84 + Bed Days
CORDOVA COMMUNITY MEDICAL CENTER	2011	10	3237	88.68%	0	996	1568	673
Providence Valdez Medical Center	2011	10	3645	99.86%	0	1460	377	1808
CORDOVA COMMUNITY MEDICAL CENTER	2012	10	3381	92.63%	10	1098	1741	532
Providence Valdez Medical Center	2012	10	3577	98.00%	0	1260	563	1754
CORDOVA COMMUNITY MEDICAL CENTER	2013	10	3574	97.92%	315	1023	1095	1141
Providence Valdez Medical Center	2013	10	3500	95.89%	238	1108	303	1851
CORDOVA COMMUNITY MEDICAL CENTER	2014			0.00%				
Providence Valdez Medical Center	2014	10	3454	94.63%	365	823	363	1903
CORDOVA COMMUNITY MEDICAL CENTER	2015	10	3563	97.62%	1091	730	1460	363
Providence Valdez Medical Center	2015	10	2917	79.92%				
CORDOVA COMMUNITY MEDICAL CENTER	2016	10	3637	99.64%	1441	366	1464	366
Providence Valdez Medical Center	2016	10	3517	96.36%				
CORDOVA COMMUNITY MEDICAL CENTER	2017	10	3650	100.00%	1095	730	365	1460
Providence Valdez Medical Center	2017	10	3123	85.56%	565	303	1152	1103
CORDOVA COMMUNITY MEDICAL CENTER	2018	10	3615	99.04%				
Providence Valdez Medical Center	2018	10	3283	89.95%	1322	235	859	867
CORDOVA COMMUNITY MEDICAL CENTER	2019	10	6569	179.97%	1411	365	395	2611
Providence Valdez Medical Center	2019	10	2909	79.70%	953	665	22	1269
CORDOVA COMMUNITY MEDICAL CENTER	2020	10	3626	99.34%				
Providence Valdez Medical Center	2020	10	3085	84.52%	732	567	688	1098
CORDOVA COMMUNITY MEDICAL CENTER	2021	10	3632	99.51%	1089	0	727	1816
Providence Valdez Medical Center	2021	10	3550	97.26%	730	352	1345	1123
CORDOVA COMMUNITY MEDICAL CENTER	2022	10	3639	99.70%	1456	0	365	1818
Providence Valdez Medical Center	2022	10	3563	97.62%	718	972	778	1095
CORDOVA COMMUNITY MEDICAL CENTER	2023	10	3372	92.38%	1686		674	1012
Providence Valdez Medical Center	2023	10	3590	98.36%	637	1020	1095	838

### Historical Utilization: Providence Valdez Medical Center

Facility Name	Calendar Year	ICF/SNF BEDS	TOTAL BED DAYS	Utilization	0-64 Bed Days	65-74 Bed Days	75-84 Bed Days	84 + Bed Days
Providence Valdez Medical Center	2011	10	3645	99.86%	0	1460	377	1808
Providence Valdez Medical Center	2012	10	3577	98.00%	0	1260	563	1754
Providence Valdez Medical Center	2013	10	3500	95.89%	238	1108	303	1851
Providence Valdez Medical Center	2014	10	3454	94.63%	365	823	363	1903
Providence Valdez Medical Center	2015	10	2917	79.92%				
Providence Valdez Medical Center	2016	10	3517	96.36%				
Providence Valdez Medical Center	2017	10	3123	85.56%	565	303	1152	1103
Providence Valdez Medical Center	2018	10	3283	89.95%	1322	235	859	867
Providence Valdez Medical Center	2019	10	2909	79.70%	953	665	22	1269
Providence Valdez Medical Center	2020	10	3085	84.52%	732	567	688	1098
Providence Valdez Medical Center	2021	10	3550	97.26%	730	352	1345	1123
Providence Valdez Medical Center	2022	10	3563	97.62%	718	972	778	1095
Providence Valdez Medical Center	2023	10	3590	98.36%	637	1020	1095	838



# Long Term Care Need Methodology

## Alaska Statewide Facility LTC List

Long Term Care	Cordova Community Medical Center	02-5028	LTC-001	10	Hannah Sanders, MD	602 Chase Ave	Cordova	99574
Long Term Care	Denali Center	02-5020	LTC-002	90	Elizabeth Woodyard	1510 19th Ave	Fairbanks	99701
Long Term Care	Heritage Place	02-5021	LTC-003	60	Sandi Crawford	232 Rockwell Ave	Soldotna	99669
Long Term Care	New Horizons Transitional Care Unit	02-5010	LTC-004	29	Jennifer Wright	3100 Tongass Ave	Ketchikan	99901
Long Term Care	Prestige Care and Rehabilitation Center	02-5025	LTC-005	102	Sariah Hughes	9100 Centennial Dr	Anchorage	99504
Long Term Care	Providence Transitional Care Center	02-5018	LTC-006	50	Angela Lewis	910 Compassion Circle	Anchorage	99504
Long Term Care	Providence Kodiak Chiniak Bay Elder	02-5030	LTC-007	22	Helena Jagielski	1838 Chichenof Street	Kodiak	99615
Long Term Care	Providence Valdez Medical Center	02-5034	LTC-008	10	Pauline Doucet	911 Meals Ave	Valdez	99686
Long Term Care	Petersburg Medical Center	02-5019	LTC-009	15	Phillip Hofstetter	103 Fram St	Petersburg	99833
Long Term Care	South Peninsula Hospital Long Term C	02-5031	LTC-012	28	Rachael Kincaid	4300 Bartlett St	Homer	99603
Long Term Care	Wildflower Court	02-5027	LTC-013	61	Kimberly Stout	2000 Salmon Creek Ln	Juneau	99801
Long Term Care	Providence Seward Mountain Haven	02-5024	LTC-014	40	Helena Jagielski	2203 Oak St	Seward	99664
Long Term Care	Providence Extended Care	02-5036	LTC-016	96	Angela Lewis	920 Compassion Circle	Anchorage	99504
Long Term Care	Maple Springs of Wasilla	02-5038	LTC-017	67	Nathan Dahl	3265 E Meridian Park Loop	Wasilla	99654
Long Term Care	Maple Springs of Palmer	02-5039	LTC-018	67	Jesse Christensen	12130 E Maple Springs Way	Palmer	99645
Long Term Care	Quyanna Care Center	02-5026	N/A-Tribal	18	Angie Gorn	1100 Greg Kruschek Ave	Nome	99762
Long Term Care	Sitka Long Term Care (SEARHC)	02-5032	N/A-Tribal	15	Kay Turner	209 Moller Ave	Sitka	99835
Long Term Care	Utuqqaanat Inaat	02-5035	N/A-Tribal	18	Marcella Wilson	436 Mission St	Kotzebue	99752
Long Term Care	Wrangell Medical Center (SEARHC)	02-5015	N/A-Tribal	14	Kay Turner	232 Wood St	Wrangell	99929
Long Term Care	Yukon Kuskokwim Elder's Home	02-5037	N/A-Tribal	18	Katrina Wilson	1100 Chief Hoffman Hwy	Bethel	99559

## LTC Need Calculations

	2021 Bed Days	2022 Bed Days	2023 Bed Days	Average Bed Days	2023 Total Population	2030 Total Population	2023 Population 65 and older	2030 Population 65 and older	Current Bed Count			
<b>Alaska</b>	217,137	238,675		227,906	736,812	749,942	110,490	130,090	1017 (including MS Anc and Aspen)			
<b>Chugach Census Area</b>	7,182	7,202	6,962	7,116	6,868	6,946	1,117	1,291	20			
<b>Valdez</b>	3,550	3,563	3,590	3,568	3,852	3,896	503	582	10			
					Calculation with Total Population				Calculation with Age 65 and up			
<b>STATEWIDE</b>												
C= (Bed Days / current population) X Projected Population =					(227,906/736,812)*749,942=	231967.29			(227906/110490)*130090	268334.6		
ADC = Average Daily Census = Patient bed days / 365 =					(231968/365)=	635.52877			268335/365=	735.1644		
Projected bed need (at 90% occupancy) = ADC* 90%					(649/0.9)=	721.11111			736/0.9=	817.7778		
<b>BED NEED = projected beds – current beds =</b>					<b>722-1017</b>		<b>-295</b>		<b>818 - 1017</b>	<b>-199</b>		
<b>Chugach Census Area</b>												
C= (Bed Days / current population) X Projected Population =					(7116/6868)*6946	7196.8165			(7116/1117)*1291	8224.491		
ADC = Average Daily Census = Patient bed days / 365 =					7197/365	19.717808			8225/365	22.53425		
Projected bed need (at 90% occupancy) = ADC* 90%					20/0.9	22.222222			23/0.9	25.55556		
<b>BED NEED = projected beds – current beds =</b>					<b>23-20</b>		<b>3</b>		<b>26-20</b>	<b>6</b>		
<b>Valdez</b>												
C= (Bed Days / current population) X Projected Population =					(3,568/3852)*3896=	3608.756			(3568/503)*582=	4128.382		
ADC = Average Daily Census = Patient bed days / 365 =					3609/365	9.8876712			4129/365	11.31233		
Projected bed need (at 90% occupancy) = ADC* 90%					10/0.9	11.111111			12/0.9	13.33333		
<b>BED NEED = projected beds – current beds =</b>					<b>12-10 =</b>		<b>2</b>		<b>14-10=</b>	<b>4</b>		

## Exhibit 6

### Letters of Support



December 13, 2024

Alexandria Hicks  
Certificate of Need Program  
Alaska Department of Health  
3601 C St., Suite 978  
Anchorage, AK 99503-5936

Dear Ms. Hicks,

I am writing this letter in support of Providence Valdez Medical Center's Certificate of Need application for the expansion and renovation of its long-term care facility.

Valdez and its census area, have one of the highest ratios of elderly residents to skilled nursing beds in the state (20 elders for every 1 skilled bed). According to data from the Alaska Department of Labor and Workforce Development, the population of residents aged 80 and older is projected to increase by 167% in the coming years. Without expansion, our elderly residents will face a shortage of local care options, potentially displacing them from their home community, which is so vital to their quality of life.

I currently serve as the Chair of our Valdez Community Advisory Council, and our council seeks to enhance Providence Valdez Medical Center's ability to promote a healthier community and to advance its mission and vision. Over the course of the past 2 years, the council has evaluated the needs of Valdez through the Community Health Needs Assessment process and have participated in the development of a Hospital Master Plan. This plan addresses the evolving community, and supports expanding access to long-term care services.

The proposed new facility will address the urgent need for additional long-term care rooms in Valdez. It will enable our elder residents to continue living in their familiar surroundings while receiving the quality care they need and deserve. Additionally, an updated facility would help PVMC more efficiently manage patients with longer stays and those who are difficult to place. This would reduce hospital stays and readmissions while improving care coordination.

Thank you for the opportunity to share my support for this much-needed project.

Sincerely,

A handwritten signature in black ink, appearing to read "Kate Dugan", with a long horizontal flourish extending to the right.

Kate Dugan, Chair

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Providence Valdez Medical Center Community Advisory Council



1300 E Hanagita  
PO Box 1635  
Valdez, AK 99686  
907-835-5032  
Fax: 907-835-2518  
[www.valdezseniorcenter.org](http://www.valdezseniorcenter.org)

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Monday, December 16, 2024

Alexandria Hicks

Certificate of Need Program

Department of Health

3601 C St., Suite 978

Anchorage, AK 99503-5936

Dear Ms. Hicks,

Providence Valdez Medical Center (PVMC) has applied for a Certificate of Need to expand and renovate its existing long-term care (LTC) facility, as it is no longer sufficient to meet the growing demands of our aging population. I am writing in strong support of PVMC's efforts.

Over the past few years, Providence Valdez's LTC facility has operated at near capacity. With our aging population, PVMC will soon be unable to accommodate the increasing number of elderly residents. While the Valdez Senior Center provides independent housing, the LTC facility is the only one of its kind in Valdez. PVMC provides comprehensive care to residents with chronic conditions, disabilities and post-acute service needs. Without this expansion, elderly residents would have to seek higher levels of assisted long-term care outside their home community of Valdez.

The proposed expansion will add approximately 2,100 square feet and convert existing acute care rooms into LTC rooms, increasing the total number of LTC rooms from 10 to 14. This approach is both cost-effective and crucial for meeting the increasing need for long-term care services in Valdez, ensuring that our elderly residents can continue to receive high-quality care in their community.

Please accept this letter of support for the project. I urge you to approve the Certificate of Need application to allow PVMC to proceed with the project.

Sincerely,

Allie Steed, MPH

Executive Director, Valdez Senior Center



December 16, 2024

Alexandria Hicks  
Certificate of Need Program  
Department of Health  
3601 C St., Suite 978  
Anchorage, AK 99503-5936

Dear Ms. Hicks,

I am writing in strong support of the Certificate of Need application submitted by Providence Valdez Medical Center (PVMC) for the expansion and renovation of its long-term care (LTC) facility. This critical project addresses the growing need for additional LTC capacity in the Valdez area, where the LTC facility's occupancy rates currently exceed 95%.

The proposed expansion – adding over 2,100 square feet and converting four acute care rooms into LTC rooms – will increase the total number of LTC beds from 10 to 14, helping meet the projected demand for skilled nursing beds. This growth is essential given the region's aging population and the increased prevalence of complex health conditions among seniors, including Alzheimer's disease. Without this expansion, the community faces a growing shortage of long-term care options for elderly residents in the coming years.

This project aligns with PVMC's mission to provide comprehensive, high-quality care to all, regardless of financial means. As the Valdez area's only LTC facility, the renovation and expansion will not only enhance the facility's physical space but also improve access to care, ensuring our elderly residents have the necessary resources and support for their ongoing health and well-being.

I urge you to approve this application to help address the long-term care needs of our aging population.

Sincerely,


A handwritten signature in blue ink, appearing to read "John Douglas", with a long horizontal flourish extending to the right.

John Douglas  
City Manager  
City of Valdez  
(907) 201-4556  
jdouglas@valdezak.gov



## Exhibit 7

### Charity Care/Financial Assistance Policy



Origination	11/2006	Owner	Ryan Thompson: SVP Chief Revenue Cycle Officer
Last Approved	09/2024	Policy Area	Mission Services
Effective	09/2024	Applicability	Providence Systemwide
Last Revised	09/2024		
Next Review	09/2029		

PSJH-MISS-100 Charity Care/Financial Assistance

Executive Sponsor:	Gregory Hoffman, SVP, Interim Chief Financial Officer
Policy Owner:	Ryan E Thompson, SVP Chief Revenue Cycle Officer
Contact Person:	Teresa McSpadden, VP, RCS Market Operations
<div>Scope:</div> <p>This policy applies to Providence and its Affiliates (collectively known as "Providence")<sup>1</sup> and their caregivers (employees); employees of affiliated organizations.</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is this policy applicable to Providence Global Center (PGC) caregivers?</p> <p>This is a governance level policy, vetted by the Executive Council (EC), with a recommendation for approval by the Audit and Compliance Committee of the Board of Directors (ACC), and approved/signed by the appropriate delegate.</p>	
<div>Purpose:</div> <p>To reflect the commitment of Providence to provide medically necessary healthcare services to all individuals regardless of their ability to pay.</p>	
<div>Definitions:</div> <p><b>Eligible Services:</b> Eligible Services means the emergency or medically necessary services provided by Providence that are eligible for financial assistance. Medically necessary services, for purposes of this policy, include services to prevent, diagnose, or treat an illness, injury, condition, or disease, or the symptoms of an illness, injury, condition, or disease, and that meet accepted standards of medicine. Services that are aesthetic, cosmetic, experimental, investigative, or part of a clinical research program, or services that are for patient or physician convenience, are not considered medically necessary services.</p>	
<div>Policy:</div>	

Providence makes sure that Eligible Services are available to anyone in the community, even if they cannot afford to pay. As part of this commitment, Providence will ensure there is a consistent, fair, and non-discriminatory method for providing financial assistance (also referred to as “charity care”) to eligible individuals who cannot afford to pay, in full or part. The determination of financial assistance will be based on applicable state and federal laws and eligibility criteria established by Providence. Charity care does not include bad debt or contractual shortfalls from government programs, but may include self-pay, charges for patients with out-of-network coverage, and coinsurance, deductibles, and co-payment amounts related to insured patients. As part of this commitment, Providence will offer a standard discount of total charges to uninsured patients who do not otherwise qualify for financial assistance for Eligible Services. The uninsured discount will be automatically applied to the account upon initial billing to the uninsured patients.

**Requirements:**

1. Providence shall develop charity care/financial assistance policies including eligibility criteria, and application and financial counseling processes.
2. Charity care/financial assistance policies and application procedures shall be made available to the public.
3. The recognition of an individual's need for financial assistance can occur any time from pre-admission review to final collection; however effort should be made to establish eligibility prior to service.
4. The ability of an individual to pay should be determined based on verified financial need.
5. In instances where full charity care is not warranted, Providence may provide alternative payment arrangements.
6. Providence shall develop collection practices consistent with its Mission and Core Values.
7. Each Providence institution should report annually to the System CFO on charity care services and other community benefit services.

The above requirements are administered by Providence Revenue Cycle through defined procedures and processes.

**References:**

[Section 501\(r\) of the Internal Revenue Code of 1986, as amended](#)

**[Applicability:](#)**

## Approval Signatures

Step Description	Approver	Date
PSJH System Board	Cynthia Johnston: Principal Compliance Consultant	09/2024



PSJH President/CEO	Cynthia Johnston: Principal Compliance Consultant	09/2024
PSJH Executive Council	Cynthia Johnston: Principal Compliance Consultant	09/2024
PSJH Policy Advisory Committee	Cynthia Johnston: Principal Compliance Consultant	09/2024

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## Applicability

AK - Credena Health, AK - Providence Alaska MC, AK - Providence Kodiak Island MC, AK - Providence Medical Group, AK - Providence Seward MC, AK - Providence St. Elias Specialty Hospital, AK - Providence Valdez MC, CA - Credena Health, CA - Healdsburg Hospital, CA - Petaluma Valley Hospital, CA - Physician Enterprise Northern, CA - Physician Enterprise Southern, CA - Providence Cedars-Sinai Tarzana MC, CA - Providence Holy Cross MC, CA - Providence LCM MC San Pedro, CA - Providence LCM MC Torrance, CA - Providence Mission Hospitals, CA - Providence Queen of the Valley Medical Center, CA - Providence Redwood Memorial Hospital, CA - Providence Saint John's Health Center, CA - Providence Saint Joseph MC, Burbank, CA - Providence Santa Rosa Memorial Hospital, CA - Providence St. Joseph Hospital - Eureka, CA - Providence St. Joseph Hospital Orange, CA - Providence St. Jude Medical Center, CA - Providence St. Mary Medical Ctr Apple Valley, MT - Credena Health, MT - Providence St. Joseph MC, Polson, MT - St. Patrick Hospital, NM - Covenant Hobbs Hospital, OR - Credena Health, OR - Providence Ctr for Medically Fragile Children, OR - Providence Health Oregon Labs, OR - Providence Hood River Memorial Hospital, OR - Providence Medford MC, OR - Providence Medical Group, OR - Providence Medical Group, OR - Providence Milwaukie Hospital, OR - Providence Newberg MC, OR - Providence Portland MC, OR - Providence Seaside Hospital, OR - Providence St. Vincent MC, OR - Providence Willamette Falls MC, PHCC - Home & Community Care, PHCC - Home Health, PHCC - Home Medical Equipment, PHCC - Hospice, PHCC - Infusion/Pharmacy, PHCC - PACE, PHCC - Palliative Care, PHCC - Skilled Nursing/Assisted Living, Providence, Providence Express Care, Providence Physician Enterprise, Providence Traditional Health Workers, TX - Covenant Children's Hospital, TX - Covenant Health - ACO, TX - Covenant Health Partners, TX - Covenant Hospital Levelland, TX - Covenant Hospital Plainview, TX - Covenant Medical Center, TX - Covenant Medical Group, TX - Covenant Specialty Hospital, TX - Grace Clinic, TX - Grace Surgical Hospital, WA - Credena Health, WA - EWA Providence Medical Group, WA - Kadlec Regional Medical Center, WA - NWR Providence Medical Group, WA - PacMed, WA - Providence Centralia Hospital, WA - Providence DominiCare, WA - Providence Holy Family Hospital, WA - Providence Mt. Carmel Hospital, WA - Providence Regional MC Everett, WA - Providence Sacred Heart Med Ctr & Children's, WA - Providence St. Joseph's Hospital, WA - Providence St. Luke's Rehabilitation Medical, WA - Providence St. Mary MC, WA - Providence St. Peter Hospital, WA - SWR Providence Medical Group, WA - Swedish Medical Center, WA - Swedish Medical Group, WA - USFHP

## Standards

No standards are associated with this document

## Exhibit 8

### Nondiscrimination Policy



Origination 09/2020  
 Last Approved 01/2024  
 Effective 01/2024  
 Last Revised 01/2024  
 Next Review 01/2025

Owner Jennifer Bayersdorfer: SVP Chief Quality Officer  
 Policy Area Clinical  
 Applicability Providence Systemwide  
 Departments Posted on Internet

## PSJH-CLIN-1203 Nondiscrimination Policy

<b>Executive Sponsor:</b>	Hoda Asmar, MD, System Chief Medical Officer
<b>Policy Owner:</b>	Jennifer Bayersdorfer, SVP, Chief Quality Officer
<b>Contact Person:</b>	Shannon Alexander, Clinical Patient Safety & Risk Director
<p><b>Scope:</b></p> <p>This policy applies to Providence and its Affiliates<sup>1</sup> (collectively known as "Providence") and their caregivers (employees); employees of affiliated organizations; members of System, community ministry and foundation boards; volunteers; trainees; independent contractors; and others under the direct control of Providence (collectively referred to as workforce members), with respect to their involvement in the provision of health program and/or activities offered by Providence. This policy does not apply to nondiscrimination in employment or in the provision of employee benefits by Providence, or in the provision of coverage through Providence Health Plan (PHP), which are covered by other policies (see end of Reference section below).</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is this policy applicable to Providence Global Center (PGC) caregivers?</p> <p>This is a management level policy, reviewed and recommended by the Policy Advisory Committee (PAC) to consider for approval by senior leadership which includes vetting by Executive Council (EC) with final approval by the President, Chief Executive Officer or appropriate delegate.</p>	
<p><b>Purpose:</b></p> <p>To establish Providence's System-level policy and procedures prohibiting discrimination against individuals accessing any Health Program and/or Activity (defined below) provided by Providence, designating caregivers responsible for implementation and monitoring of this policy, and establishing the internal grievance procedure for complaints alleging discrimination related to a Providence Program or Activity.</p> <p>In addition to this policy, Providence is committed to nondiscrimination in employment and in the provision of benefits to caregivers of Providence, and in the provision of coverage through PHP. These</p>	



commitments are more fully outlined in Providence's applicable Human Resources policies and benefit plan documents, or in the applicable PHP policies. This policy is not intended to replace, substitute or modify: (1) Providence's and Affiliates' policies that prohibit discrimination in employment and provide for an internal grievance procedure for employment-related disputes; (2) any grievance procedure set forth in the applicable summary plan description for individuals participating in a Providence benefit plan; or (3) PHP's policies governing nondiscrimination and associated grievance procedures in its health-related insurance activities. For information on the latter policies and grievance procedures, please see the links provided at the end of the Reference section below.

## Definitions:

For purposes of applying this policy, the following definitions apply:

1. *Auxiliary aids and services* include: (1) Qualified interpreters on-site or through video remote interpreting (VRI) services, as defined in 28 CFR 35.104 and 36.303(b); note takers; real-time computer-aided transcription services; written materials; exchange of written notes; telephone handset amplifiers; assistive listening devices; assistive listening systems; telephones compatible with hearing aids; closed caption decoders; open and closed captioning, including real-time captioning; voice, text, and video-based telecommunication products and systems, text telephones (TTYs), videophones, and captioned telephones, or equally effective telecommunications devices; videotext displays; accessible electronic and information technology; or other effective methods of making aurally delivered information available to individuals who are deaf or hard of hearing; (2) Qualified readers; taped texts; audio recordings; Braille materials and displays; screen reader software; magnification software; optical readers; secondary auditory programs (SAP); large print materials; accessible electronic and information technology; or other effective methods of making visually delivered materials available to individuals who are blind or have low vision; (3) Acquisition or modification of equipment and devices; and (4) Other similar services and actions.<sup>ii</sup>
2. *Caregiver*: Refers to all workforce members of Providence.
3. *Disability*: The term "disability" is defined by the federal government in various ways, depending on the context. For the purposes of federal disability nondiscrimination laws (such as the Americans with Disabilities Act (ADA), Section 503 of the Rehabilitation Act of 1973 and Section 188 of the Workforce Innovation and Opportunity Act), the definition of a person with a disability is typically defined as someone who (1) has a physical or mental impairment that substantially limits one or more "major life activities," (2) has a record of such an impairment, or (3) is regarded as having such an impairment. More information on federal disability non-discrimination laws, visit DOL's [Disability Nondiscrimination Law Advisor](#).
  - **In States Other than Washington**: Means with respect to an individual, a physical or mental impairment that, in Alaska, Montana, New Mexico, Oregon and Texas *substantially limits*, or in California *limits*, one or more major life activities of such individual; a record of such an impairment; or being regarded as having such an impairment, as defined in 42 U.S.C. 12102, as amended;
  - **In Washington**: RCW Ch.49.60.040 (7)
    - a. "Disability" means the presence of a sensory, mental, or physical impairment that:
      - i. Is medically cognizable or diagnosable; or
      - ii. Exists as a record or history; or

- iii. Is perceived to exist whether or not it exists in fact.
  - b. A disability exists whether it is temporary or permanent, common or uncommon, mitigated or unmitigated, or whether or not it limits the ability to work generally or work at a particular job or whether or not it limits any other activity within the scope of this chapter.
  - c. For purposes of this definition, "impairment" includes, but is not limited to:
    - i. Any physiological disorder, or condition, cosmetic disfigurement, or anatomical loss affecting one or more of the following body systems: Neurological, musculoskeletal, special sense organs, respiratory, including speech organs, cardiovascular, reproductive, digestive, genitor-urinary, hemic and lymphatic, skin, and endocrine; or
    - ii. Any mental, developmental, traumatic, or psychological disorder, including but not limited to cognitive limitation, organic brain syndrome, emotional or mental illness, and specific learning disabilities.
4. *Discrimination on the Basis of Sex:* Discrimination on the basis of sex includes but is not limited to discrimination on the basis of pregnancy, false pregnancy, termination of pregnancy, or recovery therefrom, childbirth or related medical conditions, gender or sex stereotyping, and gender identity.
5. *Gender Identity* Gender identity for some refers to a person's innate, deeply felt psychological sense of gender, which may or may not correspond to the person's body or sex assigned at birth.
- *Gender identity* is frequently confused with sexual orientation, but the two concepts are different. Sexual orientation refers to how we interact with and are attracted to others, while gender identity refers to how we see ourselves. Just like gender-conforming people, transgender people can be of any sexual orientation.
  - *Transgender* As indicated above, society has traditionally expected persons who were assigned as a particular sex at birth to behave a certain way in relation to their gender: males are expected to behave in a "masculine" way, females in a "feminine" way. *Transgender* is an umbrella term covering anyone whose gender identity or expression does not conform to society's expectations for, or stereotypes about, people assigned a particular sex.  
As an umbrella term, the word "transgender" is an adjective that covers a wide spectrum of people whose gender identity differs from their sex assigned at birth. Transgender also includes persons who are *gender non-conforming*. Gender non-conforming people may not consider themselves transgender, but have an appearance or gender expression that does not conform to gender stereotypes.
6. *Gender Expression* Gender expression refers to how a person represents, or expresses, their gender identity to others -- through appearance, dress, mannerisms, speech patterns, social interactions, and other characteristics and behaviors.
7. *Health Program or Activity:* Means the provision or administration of health-related services, and provision of assistance to individuals in obtaining health-related services or insurance coverage.<sup>iii</sup>
8. *Limited English Proficiency :* Means an individual whose primary language for communication is

not English and who has a limited ability to read, write, speak or understand English.

9. *National Origin*: Includes, but is not limited to, an individual's, or their ancestor's, place of origin (such as country or world region) or an individual's manifestation of the physical, cultural, or linguistic characteristics of a national original group.
10. *Physical or mental impairment*: **Means** (i) Any physiological disorder or condition, cosmetic disfigurement, or anatomical loss affecting one or more body systems, such as: neurological, musculoskeletal, special sense organs, respiratory (including speech organs), cardiovascular, reproductive, digestive, genitourinary, immune, circulatory, hemic, lymphatic, skin, and endocrine; or (ii) Any mental or psychological disorder such as intellectual disability, organic brain syndrome, emotional or mental illness, and specific learning disability.  
**Includes**, but is not limited to, contagious and noncontagious diseases and conditions such as the following: orthopedic, visual, speech and hearing impairments, cerebral palsy, epilepsy, muscular dystrophy, multiple sclerosis, cancer, heart disease, diabetes, intellectual disability, emotional illness, dyslexia and other specific learning disabilities, Attention Deficit Hyperactivity Disorder (ADHD), Human Immunodeficiency Virus (HIV) infection (whether symptomatic or asymptomatic), tuberculosis, drug addiction, and alcoholism.
11. *Qualified Bilingual/Multilingual Staff*: Qualified bilingual/multilingual staff must demonstrate to the covered entity that they are proficient in English and at least one other spoken language, including any necessary specialized vocabulary, terminology, and phraseology, and are able to effectively, accurately and impartially communicate directly with individuals with limited English proficiency in their primary language. An individual who meets the definition of "qualified bilingual/multilingual staff" does not necessarily qualify to interpret or translate for individuals with limited English proficiency within the meaning of this rule.<sup>iv</sup>
12. *Qualified Interpreter for an Individual with a Disability*:
  1. Means an interpreter who via a remote interpreting service or an on-site appearance:
    - a. Adheres to generally accepted interpreter ethics principles, including client confidentiality; and
    - b. Is able to interpret effectively, accurately, and impartially, both receptively and expressively, using any necessary specialized vocabulary, terminology and phraseology (e.g., sign language interpreters).
  2. For an individual with a disability, qualified interpreters can include, for example, sign language interpreters, oral trans iterators (individuals who represent or spell in the characters of another alphabet), and cued language trans iterators (individuals who represent or spell by using a small number of hand shapes).
13. *Qualified Interpreter or Translator for an Individual with Limited English Proficiency or non-English speaking*: Means an interpreter or translator, who interprets or translates effectively, accurately, and impartially; who via a remote interpreting service or an on-site appearance: Means an interpreter who via a remote interpreting service or an on-site appearance:
  - Adheres to generally accepted interpreter or translator ethics principles, as applicable, including client confidentiality;
  - In the case of an interpreter has demonstrated proficiency in speaking, and in the case of a translator has demonstrated proficiency in writing, and in both cases, demonstrates proficiency in understanding both spoken English and at least one other spoken language; and
  - In the case of an interpreter is able to interpret, and in the case of a translator is able



to translate: effectively, accurately, and impartially, both receptively and expressly, to and from such language(s) and English, using any necessary specialized vocabulary, terminology and phraseology.

14. *Section 1557 Civil Rights Coordinator: or Civil Rights Coordinator:* Means the responsible Providence caregiver(s) designated to coordinate Providence's efforts to comply with this policy in any Providence Program or Activity, including the investigation of any grievances filed under this policy, and who are listed by Region/Ministry in the Procedure section below.
15. *Sex stereotypes:* Means stereotypical notions of masculinity or femininity, including expectations of how individuals represent or communicate their gender to others, such as behavior, clothing, hairstyles, activities, voice, mannerisms, or body characteristics.
16. *Ability to Pay:* Is a determination based upon an individual or family's income level in relation to the Federal Poverty Guidelines.

## Policy:

Consistent with Providence's Mission and Core Values, it is the policy of Providence to not discriminate against, exclude, or treat differently any individuals accessing any Providence Program or Activity on any basis prohibited by local, state or federal laws, including but not limited to on the basis of race, color, religious creed (including religious dress and grooming practices), moral convictions, national origin (including certain language use restrictions), ancestry, disability (physical or mental impairment including but not limited to, HIV/AIDS and substance use disorders), medical condition (including cancer and genetic characteristics), marital status, age, sex (including pregnancy, childbirth, breastfeeding and related medical conditions, gender, gender identity, gender expression and sexual orientation, genetic information (including family medical history), or military/veteran status as those terms are defined under federal and state laws and rules, or ability to pay. Discrimination will not be tolerated.

Providence applies all appropriate federal and/or state protections for religious freedom and conscience. It is also Providence's policy to provide free auxiliary aids and language assistance services to individuals with Disabilities, or Limited English Proficiency, or non-English speaking who are accessing Providence Programs or Activities. Such services may include providing Qualified Bilingual/Multilingual Staff, Qualified Interpreters, and Qualified Translation free of charge as needed or appropriate.

Providence has established applicable grievance procedures for individuals accessing any Providence Program or Activity, which provides for prompt and equitable resolution of complaints alleging violations of applicable federal or state laws that prohibit discrimination, including but not limited to Sections 504 and 508 of the Rehabilitation Act of 1973, the Americans With Disabilities Act (ADA) and Title VI of the Civil Rights Act of 1964, Section 1557 of the Affordable Care Act (42 U.S.C. 18116), and its implementing regulations at 45 CFR part 92 (collectively referred to below as "Section 1557"). Any person who believes that someone accessing a Providence Program or Activity has been subjected to discrimination on the basis of race, color, religious creed (including religious dress and grooming practices), national origin (including certain language use restrictions), ancestry, disability (mental and physical including HIV and AIDS), medical condition (including cancer and genetic characteristics), marital status, age, sex (including pregnancy, childbirth, breastfeeding and related medical conditions, gender, gender identity, gender expression and sexual orientation, genetic information (including family medical history), or military/veteran status may file a grievance under this procedure. It is against the law for Providence to retaliate against anyone who opposes discrimination, files a grievance, or participates in the investigation of a grievance. Human Resources also maintains a policy on this topic.

## References:

- [Providence Notice of Nondiscrimination and Communication Assistance Statement](#)
- [PSJH-EIS-903 Web Accessibility Policy](#)
- [Section 1557 of the Affordable Care Act \(42 U.S.C. 18116\)](#)
- [Section 1557 implementing regulations at 45 CFR part 92](#)
- [Title VI of the Civil Rights Act of 1964](#)
- [Title IX of the Education Amendments of 1972](#)
- [The Age Discrimination Act of 1975, subject to the exclusions described in 45 CFR 91.3\(b\)\(1\)](#)
- [Section 504 and 508 of the Rehabilitation Act of 1973](#)
- [Title 42, Chapter 126 Americans with Disabilities Act of 1990, as Amended](#)
- [Cal. Health & Safety Code § 1259](#)
- [RCW Ch. 49.60 Discrimination—Human Rights Commission](#)
- **[28 CFR § 35.104 – Definitions; Nondiscrimination On The Basis Of Disability in State and Local Government Services](#)**
- [Washington State Disability <https://app.leg.wa.gov/RCW/default.aspx?cite=49.60.040>](#)
- [United States Department of Labor, Office of Disability Employment Policy <https://www.dol.gov/odep/faqs/general.htm#3>](#)
- [Department of Labor Policies on Gender Identity: Rights and Responsibilities <https://www.dol.gov/agencies/oasam/civil-rights-center/internal/policies/gender-identity>](#)
- [Plan Letter \(APL\) 22-002 Department of Health Care Services](#)
- [Poverty Guidelines | ASPE \(hhs.gov\) <https://aspe.hhs.gov/topics/poverty-economic-mobility/poverty-guidelines>](#)

For Human Resources policies applicable to caregivers, or questions about caregiver benefits, and applicable grievance procedures, please contact your local Human Resources department or see: [HRforCaregivers.org](http://HRforCaregivers.org).

For PHP's policies applicable to nondiscrimination in the provision of health-related coverage and grievance procedures, see: <https://healthplans.providence.org/nondiscrimination-statement>.

### **Applicability:**

<sup>i</sup>For purposes of this policy, "Affiliates" is defined as any not-for-profit or non-profit entity that is wholly owned or controlled by Providence St. Joseph Health (PSJH), Providence Health & Services, St. Joseph Health System, Western HealthConnect, Kadlec, Covenant Health Network, Grace Health System, Providence Global Center\*, NorCal HealthConnect, or is a not-for-profit or non-profit entity majority owned or controlled by PSJH or its Affiliates and bears the Providence, Swedish Health Services, St. Joseph Health, Covenant Health, Grace Health System, Kadlec, or Pacific Medical Centers names (includes Medical Groups, Home and Community Care, etc.). \*Policies and/or procedures may vary for our international affiliates due to regulatory differences.

<sup>ii</sup><https://www.govinfo.gov/content/pkg/CFR-2017-title45-vol1/xml/CFR-2017-title45-vol1-part92.xml>

<sup>iii</sup>For nondiscrimination and grievance policies related to PSJH's provision of health-related insurance or other benefits, to PSJH caregivers or through Providence Health Plan, please see the applicable links at

the end of the References section below.

<sup>iv</sup>Nondiscrimination in Health Programs and Activities, page 31390 Retrieved 7/31/2019 from [https://www.federalregister.gov/documents/2016/05/18/2016-11458/nondiscrimination-in-health-programs-and-activities?utm\\_campaign=subscription+mailing+list&utm\\_medium=email&utm\\_source=federalregister.gov](https://www.federalregister.gov/documents/2016/05/18/2016-11458/nondiscrimination-in-health-programs-and-activities?utm_campaign=subscription+mailing+list&utm_medium=email&utm_source=federalregister.gov)

## Appendix A:

Vital Documents as required per California APL 22-002:

1. Notices of Nondiscrimination and Communication Assistance
2. Notices of eligibility criteria for services
3. Informed consent documents
4. Intake forms that have clinical consequences
5. Discharge instructions
6. Complaint forms
7. Notices of Privacy Practices
8. Patient Rights and Responsibilities

## Attachments

[Nondiscrimination Investigation and Review PROCEDURE.12.2021.pdf](#)

## Approval Signatures

Step Description	Approver	Date
Policy Owner	Jennifer Bayersdorfer: SVP Chief Quality Officer	01/2024

## Applicability

AK - Credena Health, AK - Providence Alaska MC, AK - Providence Kodiak Island MC, AK - Providence Medical Group, AK - Providence Seward MC, AK - Providence St. Elias Specialty Hospital, AK - Providence Valdez MC, CA - Credena Health, CA - Healdsburg Hospital, CA - Petaluma Valley Hospital, CA - Physician Enterprise Northern, CA - Physician Enterprise Southern, CA - Providence Cedars-Sinai Tarzana MC, CA - Providence Holy Cross MC, CA - Providence LCM MC San Pedro, CA - Providence LCM MC Torrance, CA - Providence Mission Hospitals, CA - Providence Queen of the Valley Medical Center, CA - Providence Redwood Memorial Hospital, CA - Providence Saint John's Health Center, CA - Providence Saint Joseph MC, Burbank, CA - Providence Santa Rosa Memorial Hospital, CA - Providence St. Joseph Hospital - Eureka, CA - Providence St. Joseph Hospital Orange, CA - Providence St. Jude Medical Center, CA - Providence St. Mary Medical Ctr Apple Valley, MT - Credena Health, MT - Providence St. Joseph MC, Polson, MT - St. Patrick Hospital, NM - Covenant Hobbs Hospital, OR - Credena Health, OR - Providence Ctr for Medically Fragile Children, OR - Providence Health Oregon Labs, OR - Providence



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Hood River Memorial Hospital, OR - Providence Medford MC, OR - Providence Medical Group, OR - Providence Medical Group, OR - Providence Milwaukie Hospital, OR - Providence Newberg MC, OR - Providence Portland MC, OR - Providence Seaside Hospital, OR - Providence St. Vincent MC, OR - Providence Willamette Falls MC, PHCC - Home & Community Care, PHCC - Home Health, PHCC - Home Medical Equipment, PHCC - Hospice, PHCC - Infusion/Pharmacy, PHCC - PACE, PHCC - Palliative Care, PHCC - Skilled Nursing/Assisted Living, Providence, Providence Express Care, Providence Physician Enterprise, Providence Traditional Health Workers, TX - Covenant Children's Hospital, TX - Covenant Health - ACO, TX - Covenant Health Partners, TX - Covenant Hospital Levelland, TX - Covenant Hospital Plainview, TX - Covenant Medical Center, TX - Covenant Medical Group, TX - Covenant Specialty Hospital, TX - Grace Clinic, TX - Grace Surgical Hospital, WA - Credena Health, WA - EWA Providence Medical Group, WA - Kadlec Regional Medical Center, WA - NWR Providence Medical Group, WA - PacMed, WA - Providence Centralia Hospital, WA - Providence DominiCare, WA - Providence Holy Family Hospital, WA - Providence Mt. Carmel Hospital, WA - Providence Regional MC Everett, WA - Providence Sacred Heart Med Ctr & Children's, WA - Providence St. Joseph's Hospital, WA - Providence St. Luke's Rehabilitation Medical, WA - Providence St. Mary MC, WA - Providence St. Peter Hospital, WA - SWR Providence Medical Group, WA - Swedish Medical Center, WA - Swedish Medical Group, WA - USFHP

## Standards

No standards are associated with this document

COPY

## Exhibit 9

### Patient Rights and Responsibilities Policy



Origination 05/2022  
 Last Approved 05/2022  
 Effective 05/2022  
 Last Revised 05/2022  
 Next Review 05/2027

Owner Whitney Haggerson: VP Health Equity and Medicaid  
 Policy Area Clinical  
 Applicability Providence Systemwide

## PSJH-CLIN-1206 System-wide Patient Rights and Responsibilities Policy

<b>Executive Sponsor:</b>	Gregory Hoffman, Chief Financial Officer
<b>Policy Owner:</b>	Whitney Haggerson, VP Health Equity & Medicaid
<b>Contact Person:</b>	Marisela Revuelta Cervantes, Sr. Project Manager

### Scope:

This policy applies to the not-for-profit, non-profit entities of Providence and its Affiliates [\[i\]](#) (collectively known as "Providence") and their workforce members (caregivers, volunteers, trainees, interns, apprentices, students), independent contractors, vendors and all other individuals working at the ministry, whether they are paid by or under the direct control of the facility; employees of affiliated organizations (collectively, "workforce members"). Where an organization is not wholly or majority owned, exceptions may apply.

☐ Yes ☒ No Is this policy applicable to Providence Global Center (PGC) caregivers?

This is a management level policy reviewed and recommended by the Policy Advisory Committee (PAC) to consider for approval by senior leadership which includes vetting by Executive Council with final approval by the President, Chief Executive Officer or appropriate delegate.

### Purpose:

To align Providence around a single, updated system-wide version of the Patient Rights and Responsibilities ("PRR") document that affirms our commitment to equity, and define an owner at the system level. The updated PRR centers the experience of our patients and caregivers, using person-centric and inclusive language and is in compliance with all accrediting body, state and federal requirements. The PRR is aligned with Providence's mission, vision, and values, and will be an



organization standard, living document that will be updated by system Population Health, Health Equity and/or Clinical Operations leaders henceforth.

## Policy:

This System-wide Patient Rights and Responsibilities policy will replace all current versions system wide. The document will be reviewed and updated annually. Policy owners, identified above, will review the document annually to ensure ongoing commitment to equity, as well as the use of person-centered and inclusive language.

In effort to ensure PRR standardization across Providence, edits, additions or removals of core content are not allowed at the regional, state, or ministry level. Any and all changes or updates will be reviewed and approved at the system level.

Prior to posting or distributing, regions, service areas or ministries will be required to update the PRR template with information on whom to contact to file a complaint or grievance locally, as well as a phone number and address for lodging a grievance with the State agency.

The PRR must be accessible and able to be distributed to patients in all areas of service, and prominently displayed in each acute and ambulatory service area, where federal and/or state law require.

## Requirements:

Region, Service Area or Ministry leaders will be responsible for identifying and updating the PRR template with appropriate grievance contacts including state, region or ministry level contact information, as well as contact information for filing a complaint or grievance with the state agency.

Updates to this information will be reviewed annually and on an as needed basis by state, region or ministry level leadership.

This document must be offered, distributed, and explained understandably to patients who seek care and/or services within our system and must be displayed in each acute and ambulatory service area, where federal and/or state law require

## References:

For specific region versions of the Patient Rights flyer, go to the [Providence Patient Rights Sharepoint Page](#) and refer to PRR Print on Demand to print flyer or Web2Print to order printed flyers.

English and translated versions for acute care hospital are available on this sharepoint site. For ambulatory versions please visit Web2Print.

[Print on Demand](#)

[PSJH-CLIN-1211 Patient Biased Conduct](#)

### Applicability:

[i] For purposes of this policy, "Affiliates" is defined as any not-for-profit or non-profit entity that is wholly

owned or controlled by Providence St. Joseph Health (PSJH), Providence Health & Services, St. Joseph Health System, Western HealthConnect, Kadlec, Covenant Health Network, Grace Health System, Providence Global Center, NorCal HealthConnect, or is a not-for-profit or non-profit entity majority owned or controlled by PSJH or its Affiliates and bears the Providence, Swedish Health Services, St. Joseph Health, Covenant Health, Grace Health System, Kadlec, or Pacific Medical Centers names (includes Medical Groups, Home and Community Care, etc.).

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## Attachments

[Ambulatory Surgery Patient Rights and Responsibilities.pdf](#)

[Patient Rights + Responsibilities\\_System.Generic Version.pdf](#)

[Patient Rights Responsibilities\\_Alaska Generic Version.pdf](#)

[Patient Rights Responsibilities\\_Oregon Generic Version.pdf](#)

## Approval Signatures

Step Description	Approver	Date
PSJH President/CEO	Cynthia Johnston: Sr Compliance Spec PSJH	05/2022
PSJH Executive Council	Cynthia Johnston: Sr Compliance Spec PSJH	05/2022
PSJH Policy Advisory Committee	Cynthia Johnston: Sr Compliance Spec PSJH	05/2022

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## Applicability

AK - Credena Health, AK - Providence Alaska MC, AK - Providence Kodiak Island MC, AK - Providence Medical Group, AK - Providence Seward MC, AK - Providence St. Elias Specialty Hospital, AK - Providence Valdez MC, CA - Credena Health, CA - Healdsburg Hospital, CA - Petaluma Valley Hospital, CA - Physician Enterprise Northern, CA - Physician Enterprise Southern, CA - Providence Cedars-Sinai Tarzana MC, CA - Providence Holy Cross MC, CA - Providence LCM MC San Pedro, CA - Providence LCM MC Torrance, CA - Providence Mission Hospitals, CA - Providence Queen of the Valley Medical Center, CA - Providence Redwood Memorial Hospital, CA - Providence Saint John's Health Center, CA - Providence Saint Joseph MC, Burbank, CA - Providence Santa Rosa Memorial Hospital, CA - Providence St. Joseph Hospital - Eureka, CA - Providence St. Joseph Hospital Orange, CA - Providence St. Jude Medical Center, CA -

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Providence St. Mary Medical Ctr Apple Valley, MT - Credena Health, MT - Providence St. Joseph MC, Polson, MT - St. Patrick Hospital, NM - Covenant Hobbs Hospital, OR - Credena Health, OR - Providence Ctr for Medically Fragile Children, OR - Providence Health Oregon Labs, OR - Providence Hood River Memorial Hospital, OR - Providence Medford MC, OR - Providence Medical Group, OR - Providence Medical Group, OR - Providence Milwaukie Hospital, OR - Providence Newberg MC, OR - Providence Portland MC, OR - Providence Seaside Hospital, OR - Providence St. Vincent MC, OR - Providence Willamette Falls MC, PHCC - Home & Community Care, PHCC - Home Health, PHCC - Home Medical Equipment, PHCC - Hospice, PHCC - Infusion/Pharmacy, PHCC - PACE, PHCC - Palliative Care, PHCC - Skilled Nursing/Assisted Living, Providence, Providence Express Care, Providence Physician Enterprise, Providence Traditional Health Workers, TX - Covenant Children's Hospital, TX - Covenant Health - ACO, TX - Covenant Health Partners, TX - Covenant Hospital Levelland, TX - Covenant Hospital Plainview, TX - Covenant Medical Center, TX - Covenant Medical Group, TX - Covenant Specialty Hospital, TX - Grace Clinic, TX - Grace Surgical Hospital, WA - Credena Health, WA - EWA Providence Medical Group, WA - Kadlec Regional Medical Center, WA - NWR Providence Medical Group, WA - PacMed, WA - Providence Centralia Hospital, WA - Providence DominiCare, WA - Providence Holy Family Hospital, WA - Providence Mt. Carmel Hospital, WA - Providence Regional MC Everett, WA - Providence Sacred Heart Med Ctr & Children's, WA - Providence St. Joseph's Hospital, WA - Providence St. Luke's Rehabilitation Medical, WA - Providence St. Mary MC, WA - Providence St. Peter Hospital, WA - SWR Providence Medical Group, WA - Swedish Medical Center, WA - Swedish Medical Group, WA - USFHP

## Standards

No standards are associated with this document



## Exhibit 10

### PVMC Organizational Chart

# PROVIDENCE VALDEZ MEDICAL CENTER

## ORGANIZATIONAL CHART

1

