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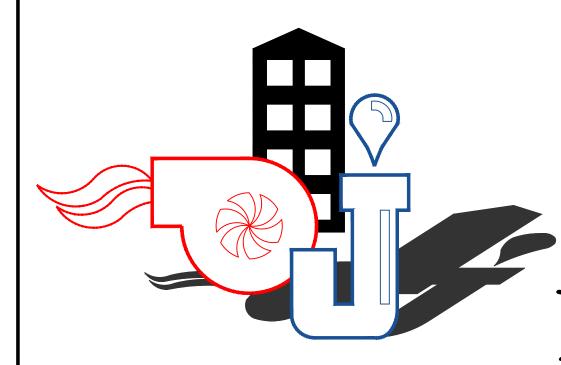
EP700 ELECTRICAL ONE LINE DIAGRAM

EP800 ELECTRICAL PANEL BOARD SCHEDULE

SALEM 1, 2 & 9 WARDS

SALEM UTAH WEST STAKE

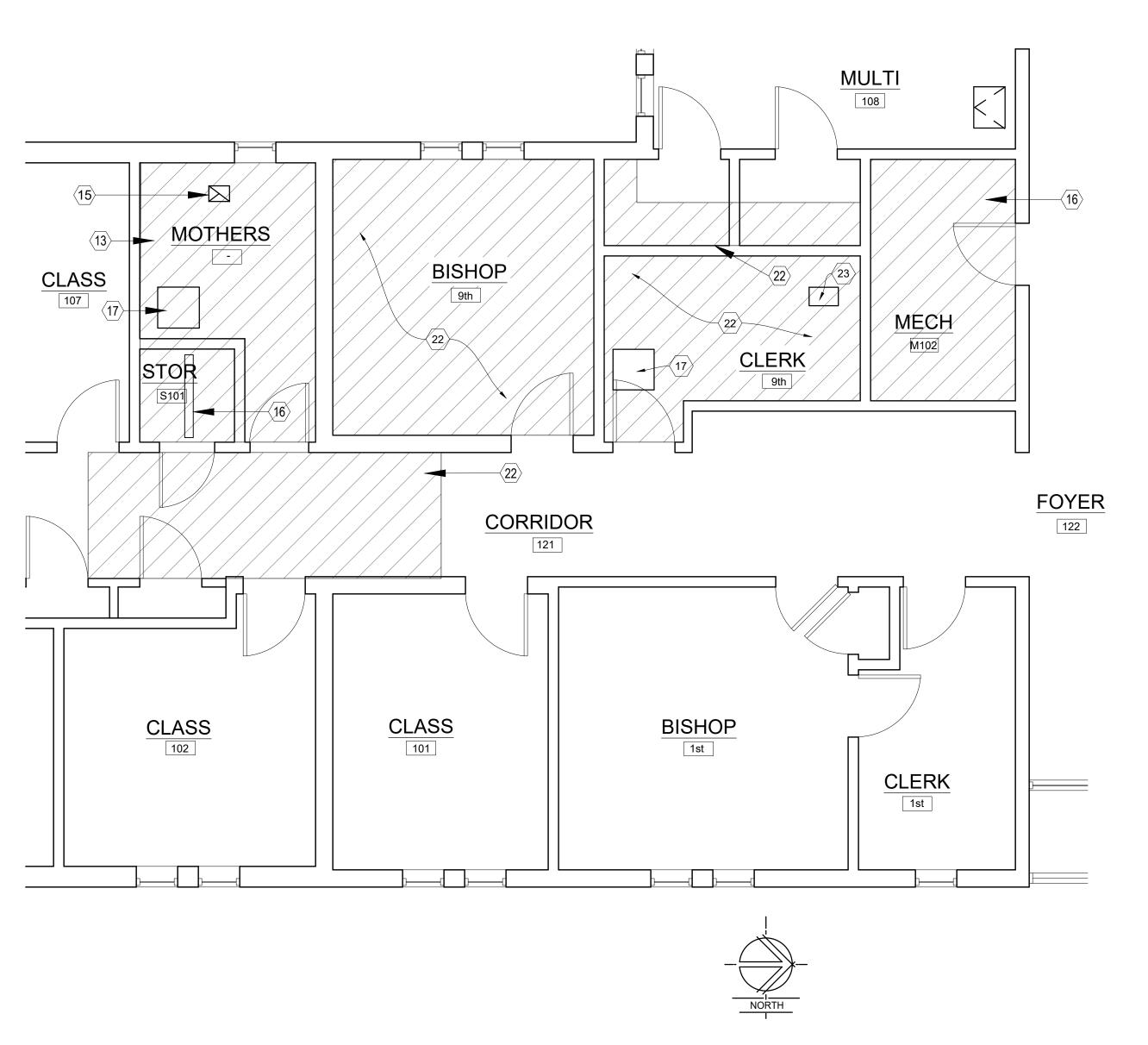
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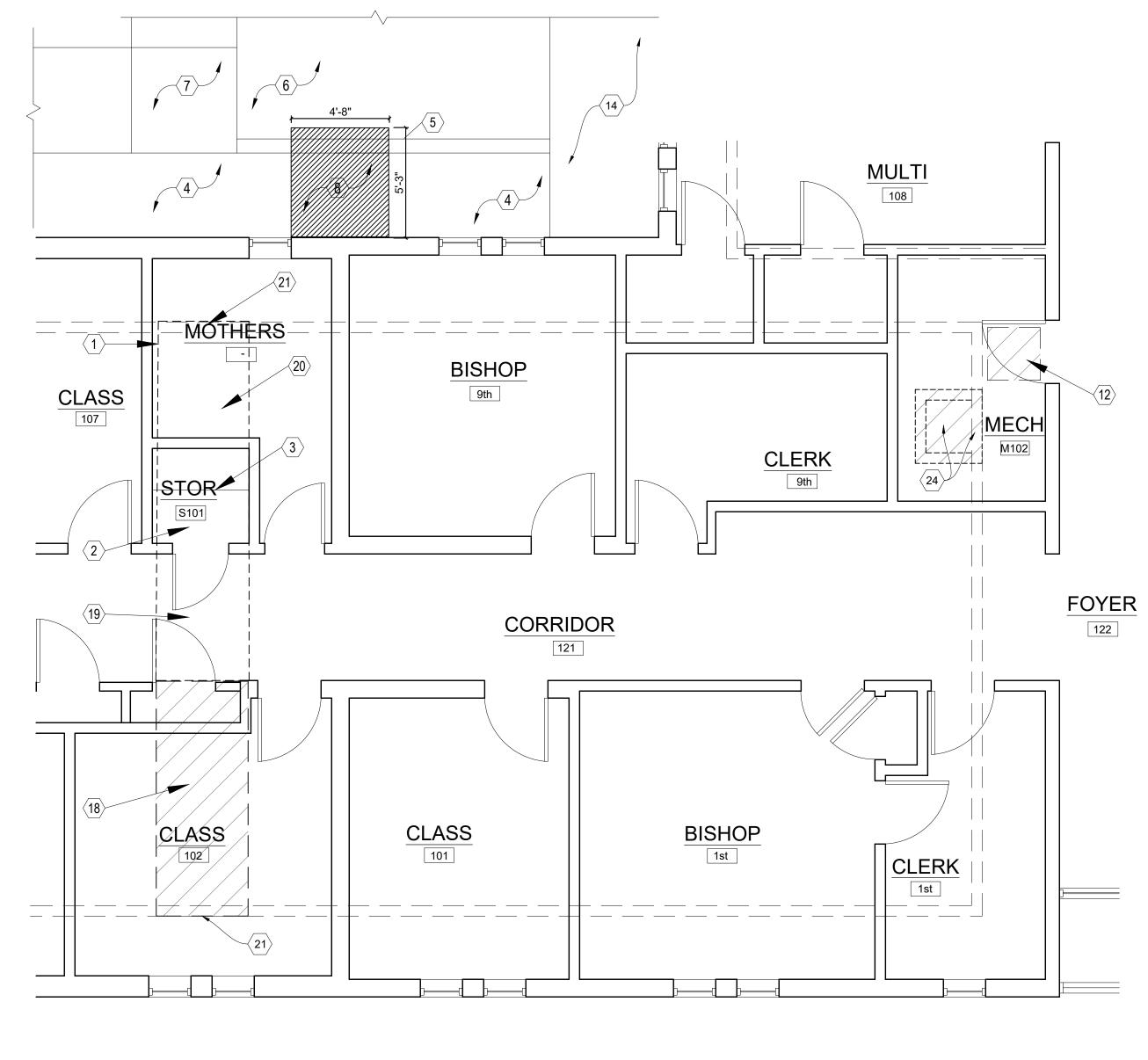


DAVID L. JENSEN & ASSOCIATES

G101

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	OF OF OTHER PROPERTY.	CONSTRUCTION DOCUMENTS
		ISSUE DATE: JUNE 18, 2020





NORTH

DEMO REFLECTED CEILING PLAN

SCALE: ¹/₄" = 1'-0"

DEMOLITION NOTES:

- 1. REMOVE EXISTING CARPET TO ALLOW FOR SAW CUTTING OF EXISTING CONCRETE FLOOR FOR NEW RETURN AIR TUNNEL.
- REMOVE EXISTING CARPET AND CARPET GLUE IN PREPARATION FOR PAINTING. FLOOR TO BE SMOOTH. REMOVE DOOR THRESHOLD.
- $\left\langle 3. \right
 angle$ REMOVE STORAGE SHELVING & BRACKETS AND DISPOSE.
- 4. EXISTING PLANTER BED. MODIFY SPRINKLERS LINES AND HEADS. REROUTE SPRINKLER LINES AND CONTROL WIRING.
- (5.) EXISTING CONCRETE MOW STRIP. SAW CUT EDGE AT HATCHED AREA TO BE REMOVED.
- (6.) EXISTING LAWN.
- (7.) EXISTING CONCRETE SIDEWALK. MODIFY AS NEEDED FOR NEW CONDENSING UNIT.
- (8.) REMOVE EXISTING SHRUBS & PLANTS, PORTION OF MOW STRIP, LAWN AND ASSOCIATED SPRINKLER PIPING IN THIS AREA SHOWN HATCHED.
- $\left\langle 9.\right
 angle$ NEW 4" CONCRETE PAD ON 4" GRAVEL BASE.
- $\langle 10 \rangle$ NEW FLOOR CLEAN OUT.
- 11) NOTE FLOOR TO BE PAINTED PRIOR TO NEW EQUIPMENT INSTALLED.
- NEW 30" X 30" TUNNEL ACCESS DOOR WITH LATCH IN FLOOR OF MECHANICAL ROOM.
- REMOVE LIGHTS AND OTHER CEILING MOUNTED DEVICES. COORDINATE WITH ELECTRICAL DRAWINGS. REMOVE GYP. BD. CEILING. STORE FIXTURES AND DEVICES FOR REINSTALLATION. REMOVE CEILING/ROOF INSULATION AND DISPOSE.
- (14) EXISTING CONCRETE HVAC MECHANICAL PAD.
- 15 EXISTING EXHAUST FAN.
- REMOVE EXISTING DRYWALL CEILING. REMOVE CEILING/ROOF INSULATION AND DISPOSE. COORDINATE WITH ELECTRICAL DRAWINGS.
- EXISTING CEILING ACCESS TO BE REMOVED AND REMODELED DURING REINSTALLATION.
- REMOVE EXISTING CARPET IN CLASS ROOM. SAW CUT CONCRETE FLOOR AND REMOVE SOIL FOR NEW TUNNEL. DO NOT ALLOW MASONRY WALLS TO BE DAMAGED DURING EXCAVATION.

DEMO FLOOR PLAN SCALE: 4" = 1'-0"

(19) REMOVE MINIMAL AMOUNT OF CARPET IN CORRIDOR. SAW CUT CONCRETE FLOOR AND REMOVE SOIL FOR NEW TUNNEL.

(20) EXCAVATE TO APPROXIMATELY 42" DEPTH. FINISHED TUNNEL FLOOR TO MATCH EXISTING TUNNEL FLOOR HEIGHT.

 $\langle 21 \rangle$ SAW CUT CONCRETE TUNNEL WALL. SEE SHEET M/401 FOR PARTIAL SECTION.

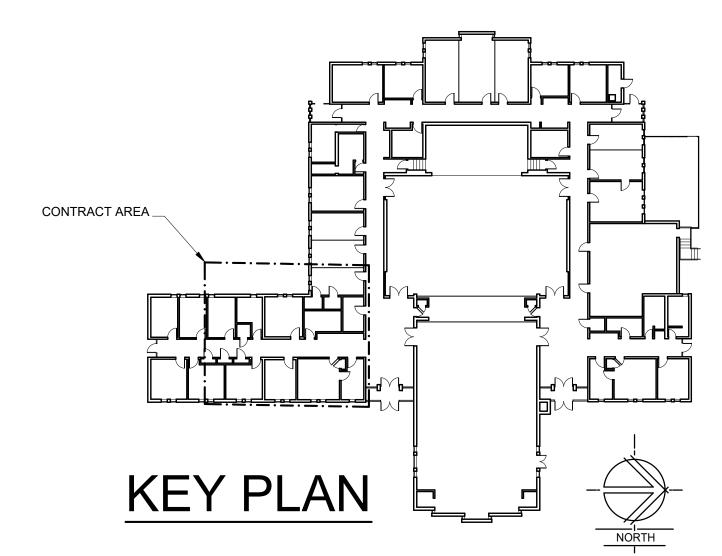
REMOVE LIGHTS AND OTHER CEILING MOUNTED DEVICES. STORE FOR REINSTALLATION. REMOVE CEILING TILE/DRYWALL IN HATCHED AREA. START & STOP TILE REMOVAL AT TILE JOINTS IN AREAS WHERE ALL CEILING TILE IS NOT BEING REMOVED. REMOVE INSULATION AND DISPOSE.

23 REMOVE EXISTING DIFFUSER.

24 SAW CUT EXISTING TUNNEL WALL AND FLOOR TO BOTTOM OF TUNNEL. NEW OPENING FOR DUCTWORK TO FURNACE SYSTEM. SEE SHEET M401 FOR SIZING.

CONTRACTOR IS RESPONSBLE FOR MEMBERS SAFETY AND SHALL PROVIDE RAMP FOR SAFE PASSAGE ACROSS CORRIDOR FOR THE LENGTH OF THE PROJECT WHILE TUNNEL IS OPEN.

CONTRACTOR IS TO CLEAN DAILY AND ENSURE MEMBERS SAFETY IN ALL AREAS OF THE BUILDING DURING CONSTRUCTION.





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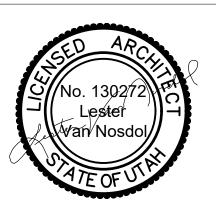


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2 & 9 WARDS
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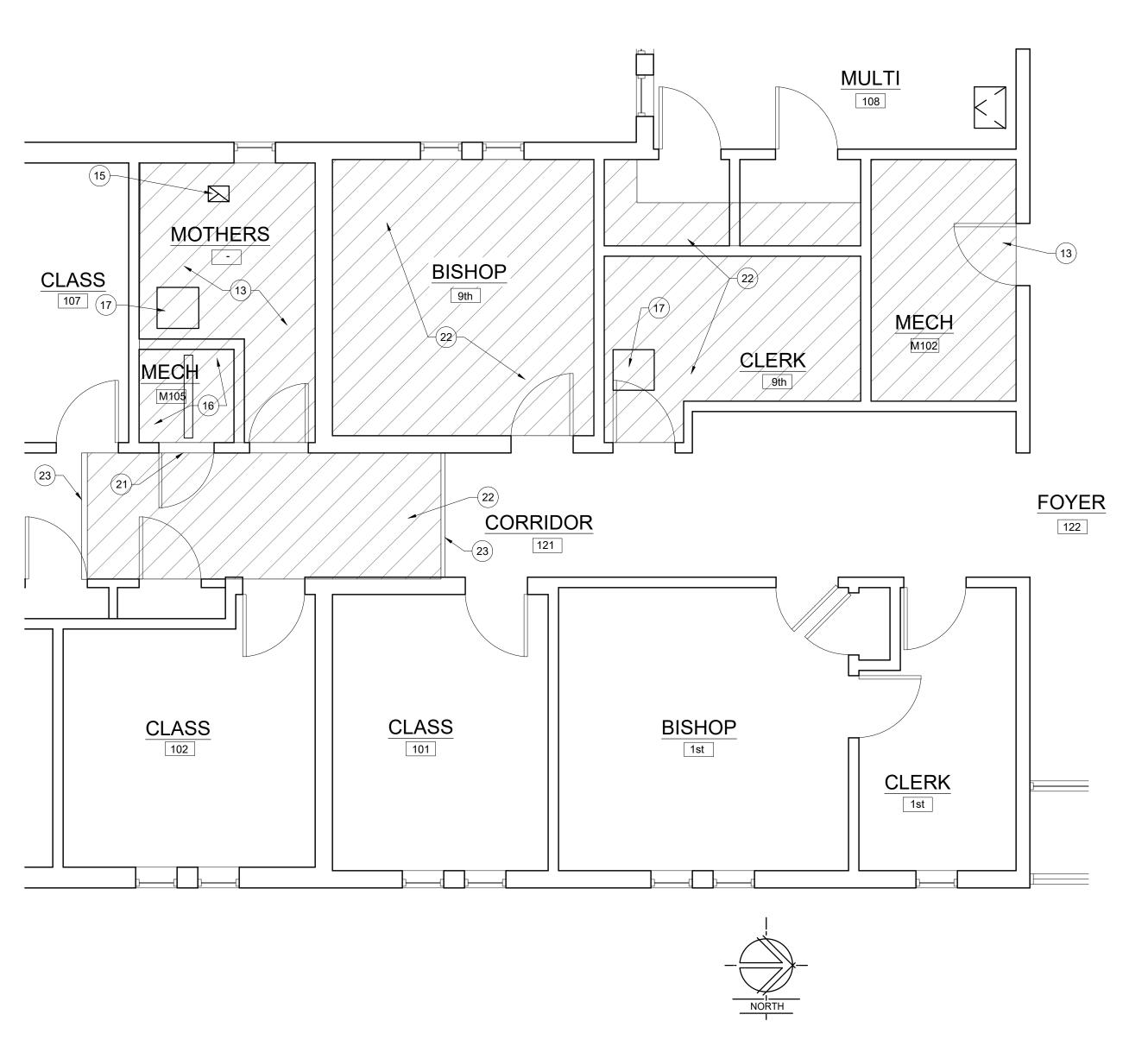
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CAD DWG FILE: —
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CHECKED BY: HLA

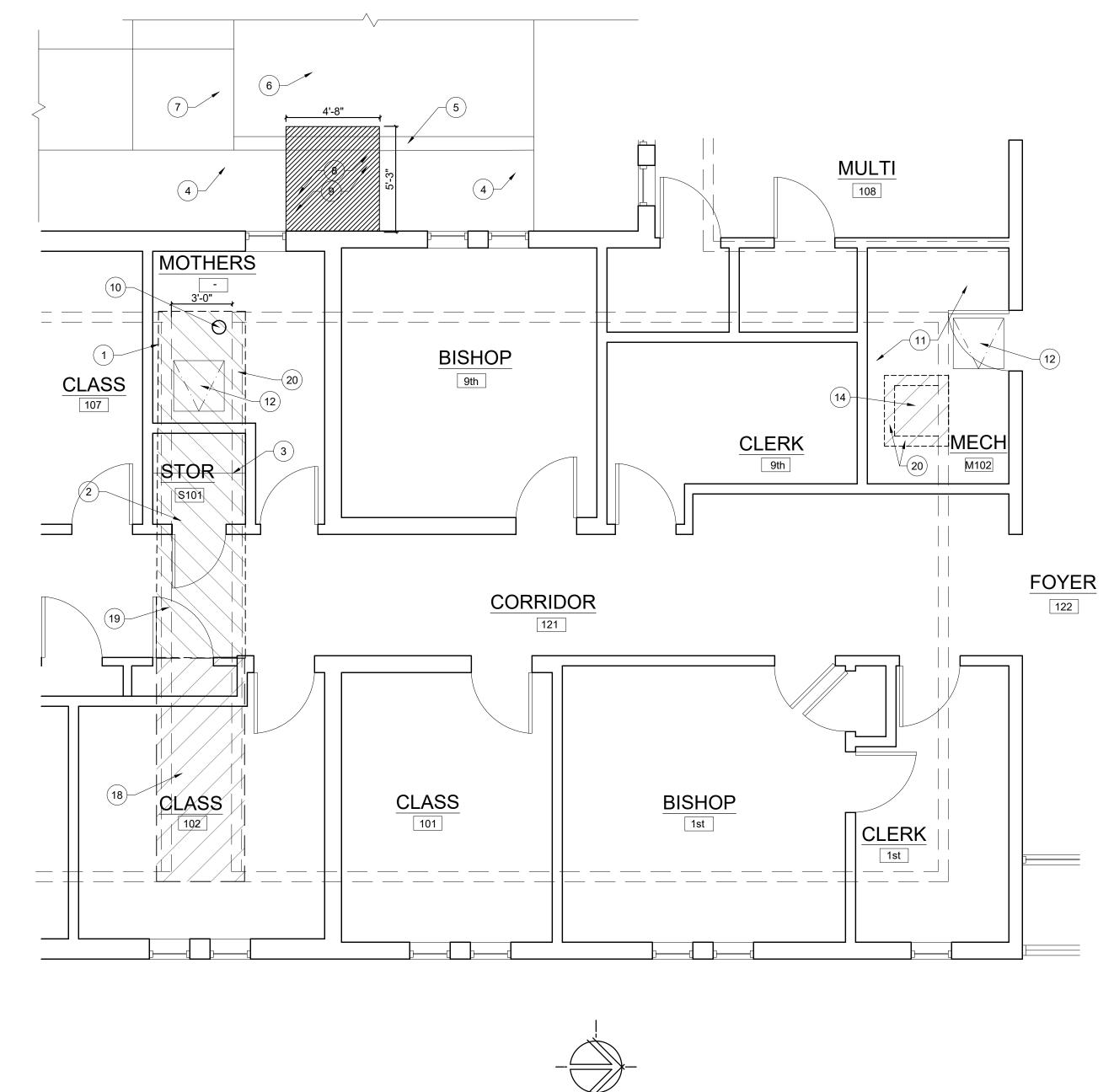
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DEMOLITION PLANS

SHEET NUMBERS

AD101





FLOOR PLAN

SCALE: $\frac{1}{4}$ " = 1'-0"

REFLECTED CEILING PLAN

SCALE: $\frac{1}{4}$ " = 1'-0"

(1.) 4" CONCRETE SLAB ON 'B' DECK, TO BE LEVEL WITH EXISTING CONCRETE FLOOR. PREPARED FOR CARPET INSTALLATION.

(2.) PAINT FLOOR PRIOR TO EQUIPMENT INSTALLATION. PROVIDE A NEW DOOR

(3.) PATCH ALL HOLES IN WALLS AND PAINT WALLS. COLOR TO MATCH EXISTING.

(4.) REPLACE DAMAGED PLANTS IN EXISTING PLANTER BED. PLANTS/SHRUBS SHALL MAINTAIN A MINIMUM 36" CLEARANCE BETWEEN THEM AND THE NEW CONDENSING UNIT. REPAIR AND MODIFY SPRINKLERS LINES AND HEADS. REROUTE SPRINKLER LINES AROUND NEW CONC. PAD.

(5.) EXISTING CONCRETE MOW STRIP. REPAIR OR REPLACE ANY DAMAGED MOW STRIP. WHERE MOW STRIP IS INDICATED TO BE REMOVED THE MOW STRIP SHOULD BE SAW CUT FOR A CLEAN CONNECTION WITH NEW CONC. PAD.

(6.) REPLACE DAMAGED LAWN WITH NEW SOD.

REPAIR SIDEWALKS DAMAGED DURING CONSTRUCTION.

(8.) SEAL SPRINKLER LINES NO LONGER USED. RELOCATE HEADS AS NEEDED. REROUTE SPRINKLER LINES AND CONTROL WIRING IF ANY.

(9.) NEW 4" CONCRETE PAD ON 4" GRANULAR FILL

(10) NEW CLEAN OUT. COORDINATE WITH PLUMBING CONTRACTOR.

(11) PAINT FLOOR WHILE ALL EQUIPMENT HAS BEEN REMOVED.

(12) NEW 30" X 30" TUNNEL ACCESS DOOR WITH LATCH IN FLOOR OF MECHANICAL

13) INSTALL CEILING/ROOF INSULATION WHERE REMOVED W/R=38. INSTALL NEW GYP. BD. CEILING. TO BE TEXTURED & PAINTED. PAINT TO MATCH EXISTING PAINT COLOR. REINSTALL EXISTING LIGHT FIXTURES AND DEVICES.

(14). 4" CONCRETE SLAB ON 'B' DECK. TO BE LEVEL WITH EXISTING CONC. FLOOR.

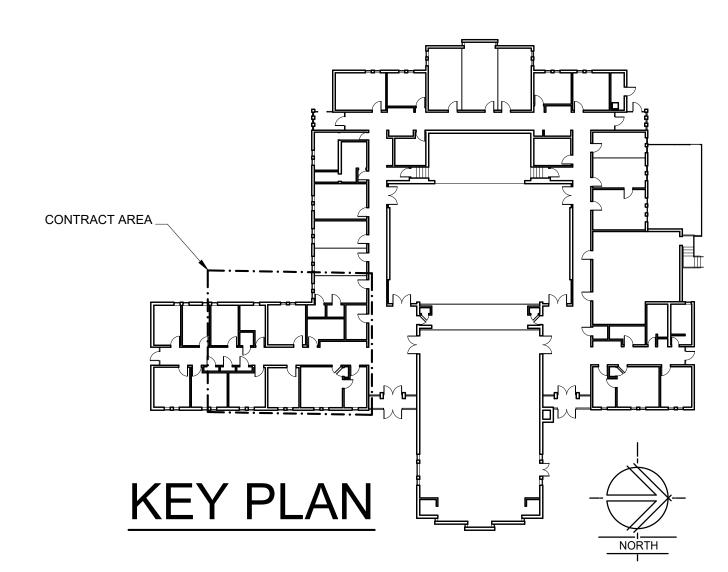
(15). EXISTING EXHAUST FAN TO BE REINSTALLED. SEE MECH. & ELEC. DRAWINGS.

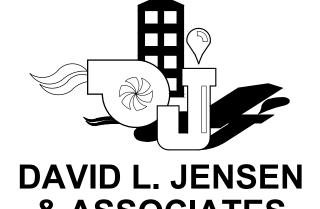
ig(16ig) INSTALL CEILING/ROOF INSULATION WHERE REMOVED W/R=38. INSTALL NEW GYP. BD.CEILING. TO BE TEXTURED & PAINTED. PAINT TO MATCH EXISTING PAINT COLOR. REINSTALL NEW LIGHT FIXTURES AND DEVICES. SEE ELECTRICAL PLANS

(17). REMODEL AND REINSTALLED CEILING ACCESS.

(18). NEW CARPET IN CLASS ROOM. PAINT ALL WALLS AND CEILING . COLOR TO MATCH

- (19.) PREPARE FOR INSTALLATION OF NEW CARPET IN CORRIDOR.
- $(\, 20.) \,$ 6" FOUNDATION WALL W/#4 BARS AT 16" O.C. BOTHWAYS.
- (21) INSTALL NEW DOOR SEAL AROUND EXISTING DOOR.
- (22) INSTALL CEILING/ROOF INSULATION W/MIN. R=38 INSULATION. INSTALL NEW CEILING TILE, TILE TO MATCH AS CLOSE AS POSSIBLE. REINSTALL EXISTING LIGHTS AND CEILING MOUNTED DEVICES. COORDINATE WITH ELEC. DRAWINGS.
- (23) PROVIDE 3 $\frac{1}{2}$ " PAINTED TRIM TO DIVIDE OLD CEILING TILE FORM NEW CEILING TILE.



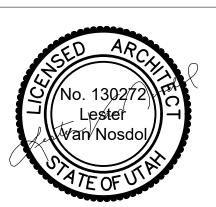


& ASSOCIATES MECHANICAL ENGINEERS 547 WEST 500 SOUTH SUITE #140 BOUNTIFUL, UTAH 84010

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STAMP



WARDS 0

DESCRIPTION

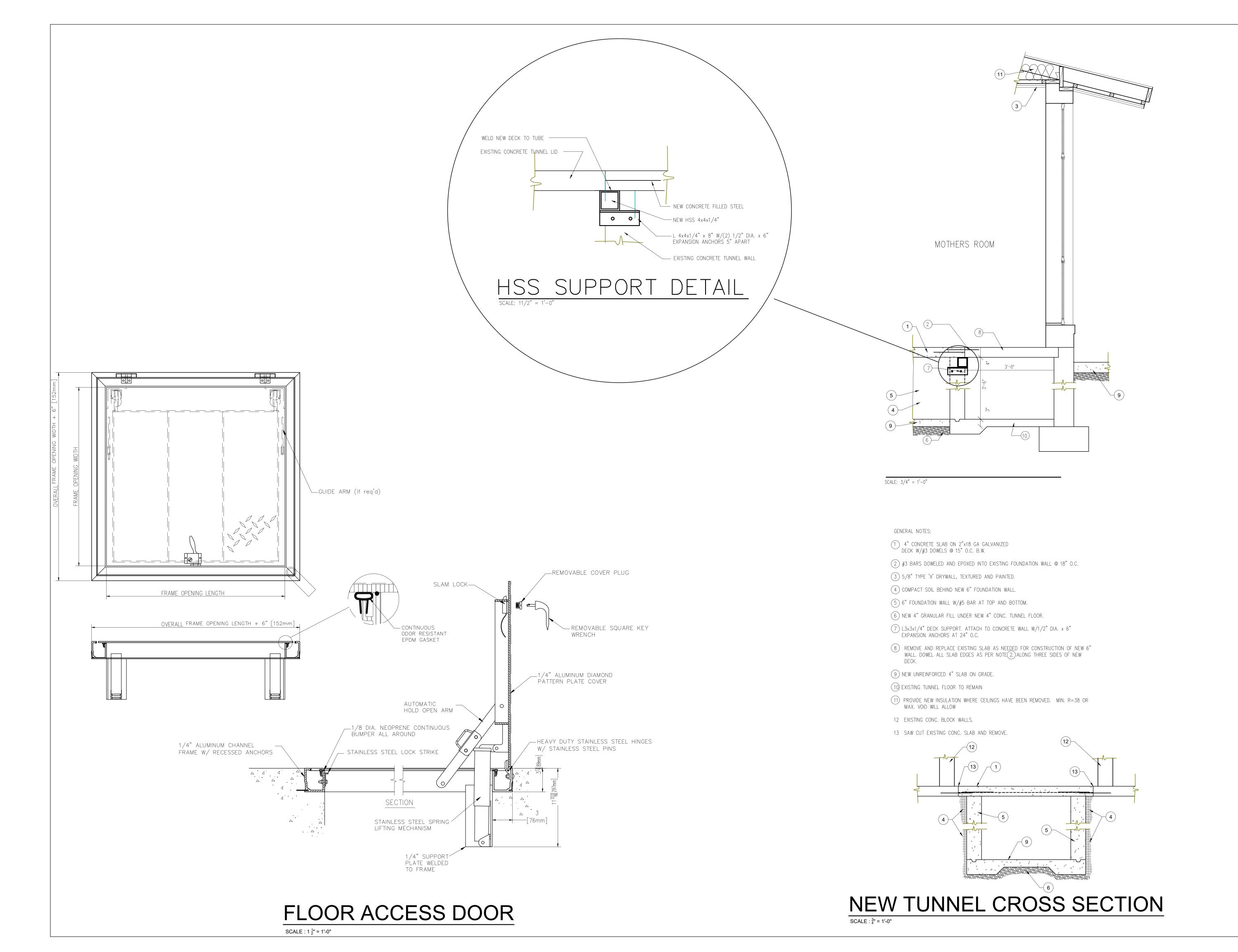
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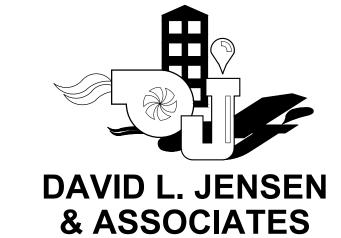
SHEET TITLE

CEILING/FLR **PLANS**

SHEET NUMBERS

A101





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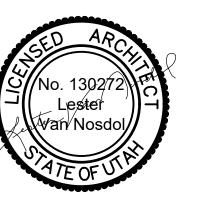
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ACCIDENCE CTS

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PROJECT NO: 18107

CAD DWG FILE: --
DRAWN BY: BDA

CHECKED BY: HLA

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SHEET TITLE

DETAILS

SHEET NUMBERS

A501

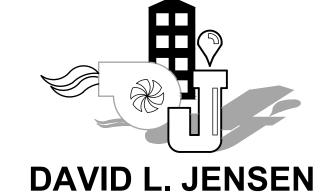
HVAC GENERAL NOTES

- CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS WHICH ARE OBVIOUSLY AND REASONABLY NECESSARY TO COMPLETE THE INSTALLATION.
- 2. BIDDERS SHALL VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS SURROUNDING THE PROJECT PRIOR TO BIDDING.
- 3. DRAWINGS ARE DIAGRAMMATIC AND INTENDED TO SHOW APPROXIMATE LOCATIONS.
- 4. ALL MECHANICAL HVAC WORK SHALL BE PREFORMED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE PREVAILING STATE MECHANICAL/PLUMBING AND BUILDING CODES AS WELL AS ALL REGULATIONS THAT MAY APPLY. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE THE MORE STRINGENT SHALL APPLY.
- 5. ALL RECTANGULAR SUPPLY DUCT ELBOWS SHALL HAVE TURNING VANES.
- 6. RECTANGULAR DUCT SIZES SHOWN INDICATE REQUIRED AIRFLOW SIZES. SHEETMETAL CONTRACTOR SHALL INCREASE SIZES TO ALLOW FOR LINER.
- 7. NO DUCTWORK SHALL BE FABRICATED WITHOUT FIRST FIELD VERIFYING THAT THE AVAILABLE SPACE UNDER ACTUAL JOB

CONDITIONS WILL PERMIT INSTALLATION OF THE DUCTWORK WITHOUT STRUCTURAL OR OTHER CONFLICTS. DUCT SIZES THAT REQUIRE ON THE JOB MODIFICATION DUE TO UNFORESEEN OBSTRUCTIONS SHALL BE MADE WITHOUT ANY ADDITIONAL COST TO THE OWNER.

			MECHANICAL A	ABBRE	EVIATIONS		
AD	ACCESS DOOR	DEMO	DEMOLITION	HTG	HEATING	PRV	PRESSURE REDUCING VALVE
AFF	ABOVE FINISHED FLOOR	DET	DETAIL	HVAC	HEATING, VENTILATING & AIR	PSI	POUNDS PER SQUARE INCH
AHU	AIR HANDLING UNIT	DH	DUCT HEATER	7	CONDITIONING	QTY	QUANTITY
ALT	ALTERNATE	DIA	DAMETER	HW	HOT WATER	RA	RETURN AIR
AMB	ANBIENT	DIM	DIMENSION	HWR	HOT WATER HEATING RETURN	RAD	RADIATED
AMP	AMPERE	DIV	DIVISION	HWS	HOT WATER HEATING SUPPLY	RCP	RECIRCULATION PUMP
ANSI	AMERICAN NATIONAL	DMPR	DAMPER	HZ	HERTZ	REF	ROOFTOP EXHAUST FAN
	STANDARDS INSTITUTE	DN	DOWN	IN	INCHES	REQD	REQUIRED
APD	AIR PRESSURE DROP	DRN	DRAIN	INWC	INCHES OF WATER COLUMN	REV	REVISION
APPROX	APPROXIMATE	DS	DOWNSPOUT	INWG	INCHES OF WATER GAUGE	RH	RELATIVE HUMIDITY
ASME	AMERICAN SOCIETY OF	EA	EXHAUSTAIR	IU	INDOOR UNIT	RL	REFRIGERANT LIQUID
/ (OIVIL	MECHANICAL ENGINEERS	EAT	ENTERING AIR TEMPERATURE	KW	KILOWATT	RS	REFRIGERANT SUCTION
ASL	ABOVE SEA LEVEL	EF	EXHAUST FAN	LAT	LEAVING AIR TEMPERATURE	RPBP	REDUCED PRESSURE
AVG	AVERAGE	EFF	EFFICENCY	LB	POUND	-	BACKFLOW PREVENTER
B	BOILER	EQ	EQUAL	LPC	LOW PRESSURE CONDENSATE	RPM	REVOLUTIONS PER MINUTE
BOD	BOTTOM OF DUCT	EQUIP	EQUIPMENT	LPS	LOW PRESSURE STEAM	SA	SUPPLYAIR
BOP	BOTTOM OF PIPE	ERV	ENERGY RECOVERY VENTILATION	LWT	LEAVING WATER TEMPERATURE	SCHED	SCHEDULE
BTU	BRITISH THERMAL UNIT	ESP	EXTERNAL STATIC PRESSURE	MAU	MAKEUP AIR UNIT	SEN	SENSIBLE
BTUH	BTU PER HOUR	ET	EXPANSION TANK	MAX	MAXIMUM	SL	SEA LEVEL
C	COMMON	EWT	ENTERING WATER TEMPERATURE	MBH	THOUSAND BRITISH THERMAL	SPEC	SPECIFICATION
C	CONVECTOR	EXH	EXHAUST		UNITS/HOUR	SQFT	SQUARE FEET
CA	COMBUSTION AIR	EXT	EXISTING	MECH	MECHANICAL	SSHP	SPLIT SYSTEM HEAT PUMP
CAP	CAPACITY	F	FAHRENHEIT	MECH RM	MECHANICAL ROOM	STD	STANDARD
CC	COOLING COIL	F.	FURNACE	MFR	MANUFACTURER	TEMP	TEMPERATURE
CEF	CEILING MTD EXHAUST FAN	FCU	FAN COIL UNIT	MIN	MINIMUM	TSP	TOTAL STATIC PRESSURE
CFM	CUBIC FEET PER MINUTE	FLR	FLOOR	MISC	MISCELLANEOUS	TSTAT	THERMOSTAT
CHWR	CHILLED WATER RETURN	FLEX	FLEXIBLE	MTD	MOUNTED	TW	TEMPERED WATER
CHWS	CHILLED WATER SUPPLY	FO	FLAT OVAL	NC NC	NOISE CRITERIA	TYP	TYPICAL
CO2	CARBON DIOXIDE	FPM	FEET PER MINUTE	NC NC	NORMALLY CLOSED	UH	UNIT HEATER
COMB	COMBUSTION	FPVAV	FAN POWERED VAV	NIC	NOT IN CONTRACT	V	VOLT
CONTR	CONTRACTOR	FT	FEET	NOM	NOMINAL	VAV	VARIABLE AIR VOLUME
CU	CONDENSING UNIT	GALV	GALVANIZED	NTS	NOT TO SCALE	VD	VOLUME DAMPER
CUFT	CUBIC FEET	GPM	GALLONS PER MINUTE	OA	OUTSIDE AIR	VERT	VERTICAL VERTICAL
CU YD	CUBIC YARDS	GHR	GLYCOL HEATING RETURN	OBD	OPPOSED BLADE DAMPER	VFD	VARIABLE FREQUENCY DRIVE
	CABINET UNIT HEATER	<u> </u>		ODD		VOL	
CV		GHS	GLYCOL HEATING SUPPLY	P	OUTDOOR UNIT		VOLUME DAMPER
CV	CONSTANT VOLUME	H	FUME HOOD	<u>'</u>	PUMP	W/	WITH
CWD	COLD WATER DETURN	HORIZ	HORIZANTAL	PCF	POUNDS PER CUBIC FEET	W/O	WITHOUT
CWR	CONDENSOR WATER CURRY		HIGH PRESSURE	PD	PRESSURE DROP	WB	WET BULB
CWS		HP	HORSEPOWER	PERF	PERFORATE(D)	WPD	WATER PRESSURE DROP
DB	DRY BULB	HP	HEAT PUMP	PH	PHASE		
DD	DUAL DUCT BOX	HPS	HIGH PRESSURE STEAM	PLUM	PLUMBING		
DEG	DEGREE FAHRENHEIT	HR	HOUR	PPM	PARTS PER MILLION		

	MECHANICAL LEGEND NOTE: NEW ITEMS SHOWN DARK, EXISTING ITEMS SHOWN LIGHT. ALL ITEMS MAY NOT APPEAR ON DRAWINGS.				
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
吳	AUTOMATIC 2-WAY VALVE	T	IMMERSION WELL	→	BRANCH DUCT TAKE-OFF WITH MANUAL DAMPER
- ₩	AUTOMATIC 3-WAY VALVE		INLINE PUMP	<u></u>	
<u> </u>	AUTOMATIC BALL FLOAT VENT	}	MANUAL VENT WITH BALL VALVE		DUCT FLEXIBLE CONNECTION
Ф	BALL VALVE	†	P & T PLUG IN IMMERSION WELL	[c] }	TURNING VANES
<u>—</u> Ф-э	CAPPED END W/BALL VALVE		PIPE DROP	1261	
ightharpoonup	CHECK VALVE		PIPE INLINE DROP		DUCT TEE CONNECTION
₿	COMBINATION BALANCING VALVE/ SHUTOFF		PIPE INLINE RISE		DUCT TRANSITION
₹	DEVICE IN DROP	+0	PIPE RISER		SQUARE TO ROUND DUCT TRANSITION
	DIRECTION OF SLOPE	Š	PNEUMATIC 2-WAY VALVE	-	AUTOMATIC DAMPER
4	FLANGED BUTTERFLY VALVE	Ø	PRESSURE GUAGE	-	VOLUME DAMPER
	FLANGED ECCENTRIC REDUCER	Ø 	PRESSURE GAGE W/BALL VALVE	BD	BACK-DRAFT DAMPER
——————————————————————————————————————	FLANGED UNION	R	RELIEF VALVE	<u> </u>	DUCT ACCESS DOOR
	FLEXIBLE CONNECTION		SCREWED CONCENTRIC REDUCER		RETURN AIR, RISE AND DROP
	FLOW DIRECTION		STEAM TRAP		SUPPLY AIR, RISE AND DROP
(FM)	FLOW METER		STRAINER		OUTSIDE AIR, RISE AND DROP
<u> </u>	GATE VALVE		THERMOMETER		RELIEF AIR, RISE AND DROP
<u></u>	GLOBE VALVE		THREADED HOSE CONNECTION		ROUND DUCT, RISE AND DROP
RL —	REFRIGERANT PIPING - LIQUID	<u> </u>	UNION		FLAT OVAL DUCT, RISE AND DROP
RS	REFRIGERANT PIPING - SUCTION	***	VENTURI	₹ e or fo d	FLAT OVAL DUCT FIRE DAMPER
		[WFS]	WATER FLOW SWITCH	FSD FSD	FIRE SMOKE DAMPER
	REFRIGERANT SHUT-OFF VALVE			- Ū	THERMOSTAT
	EXPANSION VALVE	CWS	CONDENSER WATER SUPPLY	S	SENSOR
0	MOISTURE INDICATING SIGHT GLASS	CWR	CONDENSER WATER RETURN		J-BOX
	FLEXIBLE CONNECTION	CHWS	CHILLED WATER SUPPLY	X-#	AIR DEVICE AIR DEVICE
₹ F	FILTER DRIER	CHWR	CHILLED WATER RETURN	X-# #	CFM
*	PIPE SUPPORT	——— HWS———	HOT WATER HTG. SUPPLY	#>	KEYED NOTE
**	EXTERIOR PIPE SUPPORT	HWR	HOT WATER HTG. RETURN	X-#	EQUIPMENT CALLOUT
The second secon	EXTERIOR PIPE SUPPORT	———HPS———	HIGH PRESSURE STEAM PIPING	X S#	DETAIL NUMBER SHEET DETAIL APPEARS
	DIRECTION OF SLOPE DOWN	——LPS——	LOW PRESSURE STEAM PIPING	# S#	LARGE SCALE NUMBER SHEET LARGE SCALE APPEARS
\$	SUCTION LINE	LPC	LOW PRESSURE CONDENSATE PIPING		
	LIQUID LINE	———GHS———	GLYCOL HEATING SUPPLY PIPING	+-	AIR FLOW DIRECTION
	TRAP. ONE PIECE FACTORY FABRICATED	GHR	GLYCOL HEATING RETURN PIPING	TOP	SECTION LETTER SHEET NUMBER
			WASTE PIPING (ABOVE GRADE OR FLOOR)	ROOM	ROOM NAME
			WASTE PIPING (BELOW GRADE OR FLOOR)	NO A	ROOM NUMBER
				A	REVISION DELTA
					NEW CONNECTION
					ACCESS DOOR



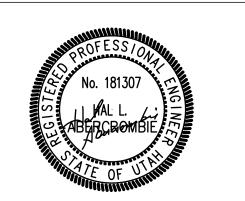
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CONSULTANTS

STAMP

PROJECT FOR



WARDS

M 1, 2 & 9 W,

SALEM 1, 2

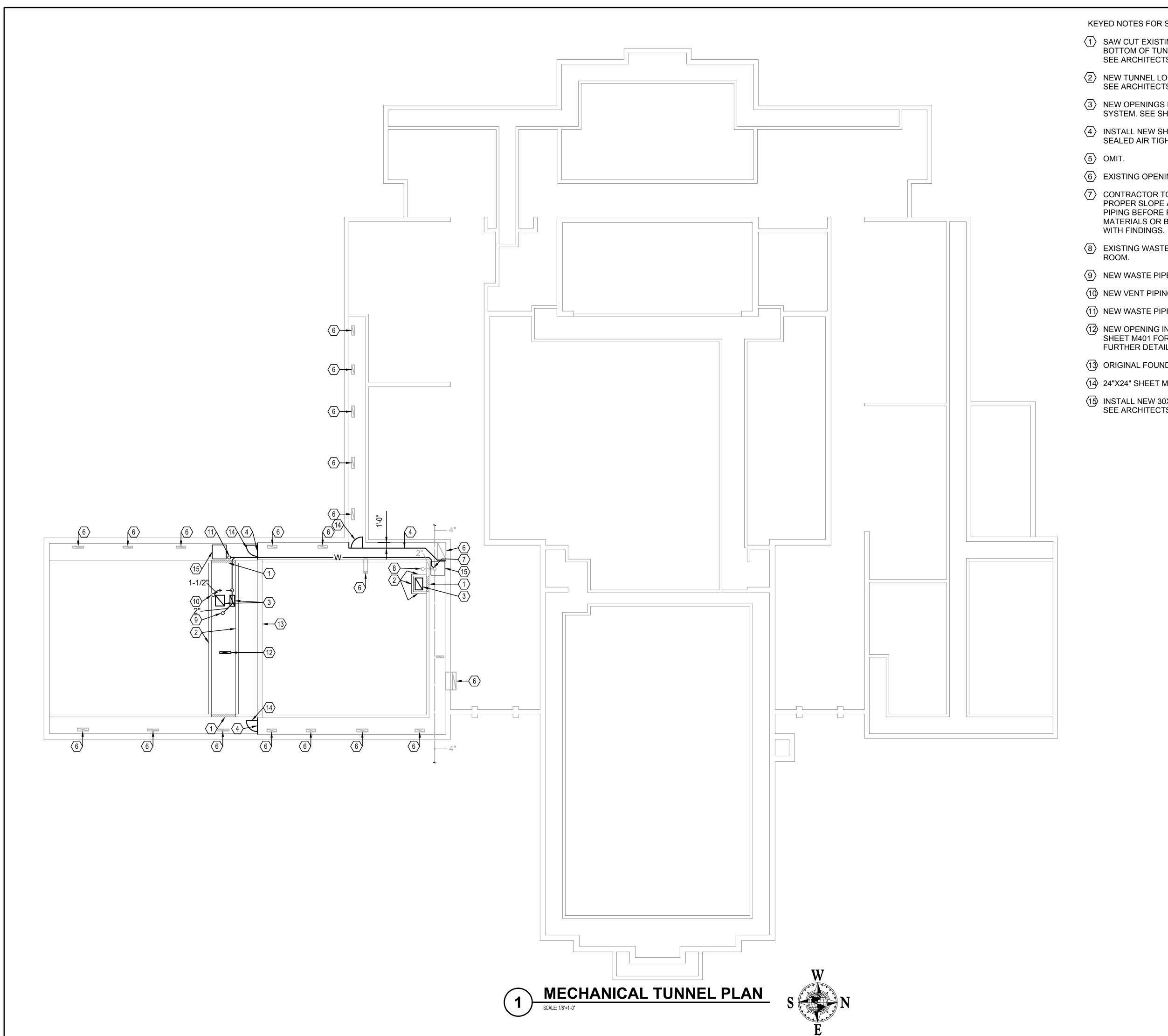
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SHEET TITLE

CHECKED BY:

MECHANICAL LEGEND AND GENERAL NOTES

SHEET NUMBERS



KEYED NOTES FOR SHEET M101

- SAW CUT EXISTING TUNNEL WALL FROM FLOOR LEVEL TO BOTTOM OF TUNNEL AT LOCATION SHOWN HATCHED, SEE ARCHITECTS PLANS FOR FURTHER DETAIL.
- 2 NEW TUNNEL LOCATION, MATCH EXISTING TUNNEL HEIGHT. SEE ARCHITECTS PLANS FOR FURTHER DETAIL.
- (3) NEW OPENINGS IN FLOOR FOR DUCTWORK TO FURNACE SYSTEM. SEE SHEET M401 FOR SIZING.
- (4) INSTALL NEW SHEET METAL PARTITION IN TUNNEL SEALED AIR TIGHT.
- (6) EXISTING OPENING IN FLOOR INTO TUNNEL.
- (7) CONTRACTOR TO FIELD VERIFY THIS LOCATION FOR PROPER SLOPE AND CONNECTION TO EXISTING WASTE PIPING BEFORE PROCEEDING WITH ORDERING OF MATERIALS OR BEGINNING WORK. CONTACT ENGINEER
- (8) EXISTING WASTE PIPE UP TO FLOOR DRAIN IN MECHANICAL
- 9 NEW WASTE PIPE RISE UP TO FLOOR DRAIN.
- 10 NEW VENT PIPING RISE UP TO MECHANICAL ROOM.
- (11) NEW WASTE PIPING RISE UP TO FLOOR CLEAN OUT.
- NEW OPENING IN CONCRETE FLOOR FOR NEW GRILLE, SEE SHEET M401 FOR SIZING AND ARCHITECTS PLANS FOR FURTHER DETAIL.
- (13) ORIGINAL FOUNDATION WALL.
- (14) 24"X24" SHEET METAL LOCKING DOOR IN PARTITION.
- 15 INSTALL NEW 30X30 ACCESS DOOR INTO TUNNEL WITH LATCH. SEE ARCHITECTS PLANS FOR FURTHER DETAIL.



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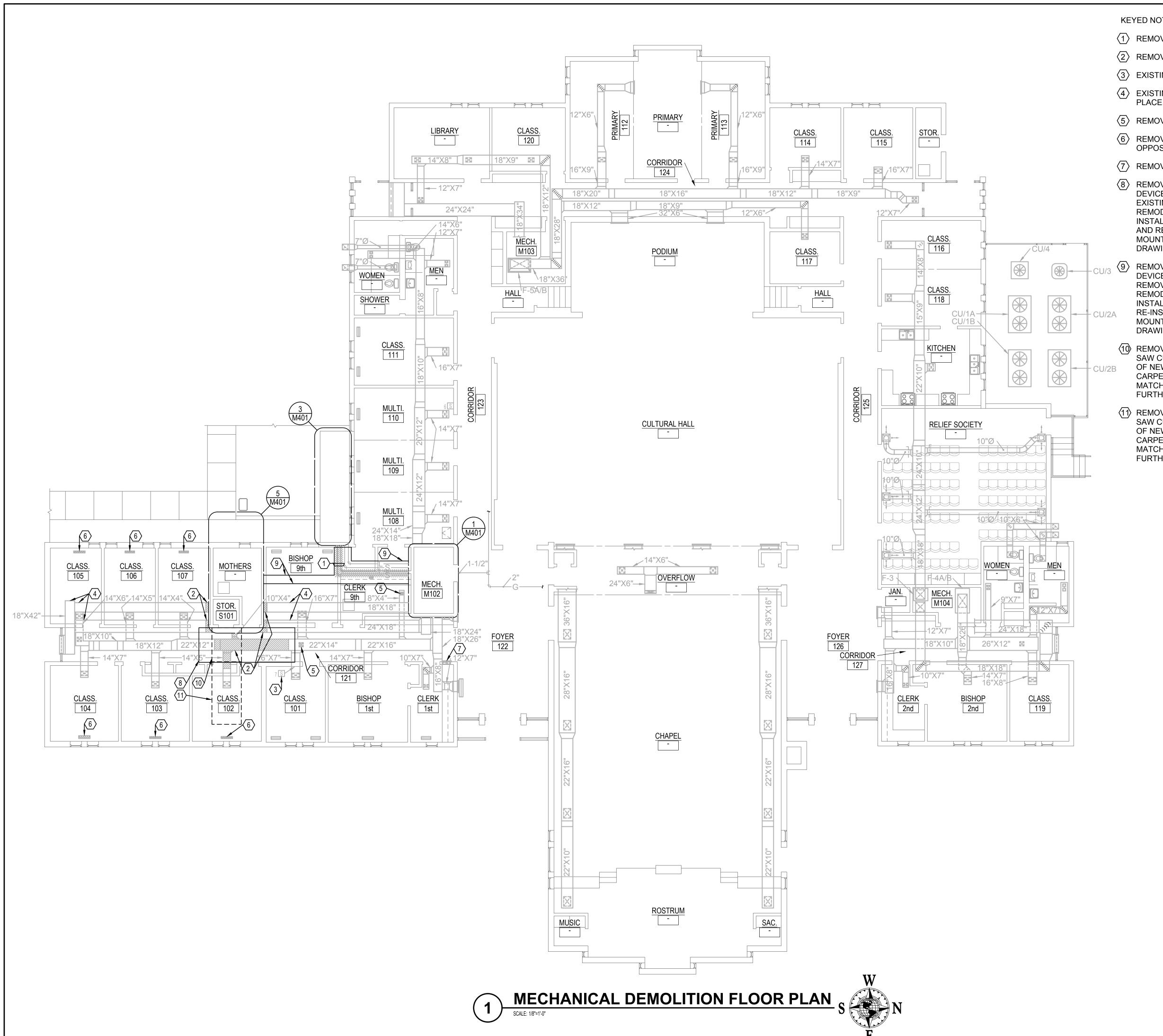


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ISSUE TYPE:	CONSTRUCTION DOCUMENTS
ISSUE DATE:	JUNE 18, 2020
PROJECT NO:	18107
CAD DWG FILE:	I:\JOBS2018\18107\CAD\SCM101.DWG
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CHECKED BY:	HLA

MECHANICAL TUNNEL PLAN

SHEET NUMBERS



KEYED NOTES FOR SHEET MD102

- (1) REMOVE REFRIGERANT PIPING SHOWN HATCHED..
- (2) REMOVE DUCTWORK SHOWN HATCHED.
- (3) EXISTING SENSOR TO REMAIN.
- (4) EXISTING OUTSIDE AIR DUCTWORK TO BE ABANDON IN PLACE
- 5 REMOVE EXISTING DIFFUSER SHOWN HATCHED.
- 6 REMOVE EXISTING FLOOR GRILLE AND ASSOCIATED OPPOSED BLADE DAMPER.
- 7 REMOVE WALL GRILLE SHOWN HATCHED.
- REMOVE LIGHTS AND OTHER CEILING MOUNTED DEVICES IN THIS PORTION OF CORRIDOR. REMOVE EXISTING GLUE ON TILE CEILING FOR DEMOLITION AND REMODEL ACCESS. UPON COMPLETION OF REMODEL INSTALL NEW GLUE ON TILE CEILING TO MATCH EXISTING AND RE-INSTALL EXISTING LIGHTS AND OTHER CEILING MOUNTED DEVICES, SEE ARCHITECT AND ELECTRICAL DRAWINGS FOR FURTHER DETAILS.
- CU/2A

 REMOVE LIGHTS AND OTHER CEILING MOUNTED DEVICES IN THE PORTION OF THIS ROOM SHOWN. REMOVE EXISTING CEILING FOR DEMOLITION AND REMODEL ACCESS. UPON COMPLETION OF REMODEL, INSTALL NEW CEILING TO MATCH EXISTING AND RE-INSTALL EXISTING LIGHTS AND OTHER CEILING MOUNTED DEVICES. SEE ARCHITECT AND ELECTRICAL DRAWINGS FOR FURTHER DETAILS.
 - REMOVE EXISTING CARPET IN CORRIDOR TO ALLOW FOR SAW CUTTING OF EXISTING FLOOR AND INSTALLATION OF NEW PORTION OF TUNNEL. RE-INSTALL OR REPLACE CARPET IN CORRIDOR UPON COMPLETION OF WORK TO MATCH EXISTING. SEE ARCHITECT DRAWINGS FOR FURTHER DETAIL.
 - REMOVE EXISTING CARPET IN CLASSROOM TO ALLOW FOR SAW CUTTING OF EXISTING FLOOR AND INSTALLATION OF NEW PORTION OF TUNNEL. RE-INSTALL OR REPLACE CARPET IN CLASSROOM UPON COMPLETION OF WORK TO MATCH EXISTING. SEE ARCHITECT DRAWINGS FOR FURTHER DETAIL.



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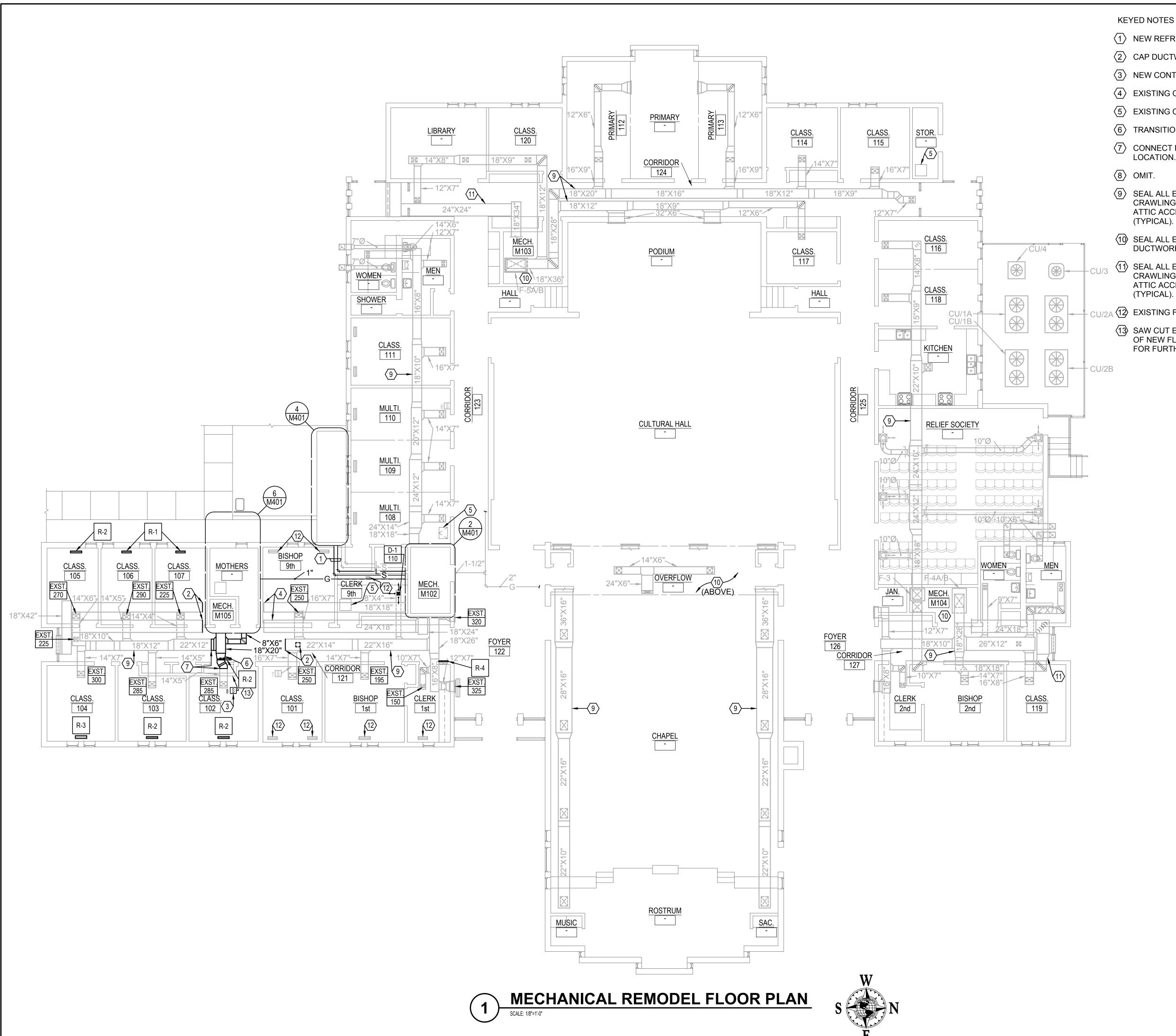
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SHEET TITLE

MECHANICAL
DEMOLITION FLOOR
PLAN

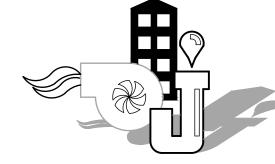
SHEET NUMBERS

MD102



KEYED NOTES FOR SHEET MH102

- (1) NEW REFRIGERANT PIPING.
- (2) CAP DUCTWORK AIRTIGHT AT THIS LOCATION.
- (3) NEW CONTROLS SENSOR.
- $\overline{\langle 4 \rangle}$ EXISTING OUTSIDE AIR DUCTWORK TO BE ABANDON.
- (5) EXISTING CEILING ACCESS LOCATION.
- (6) TRANSITION DUCTWORK AS REQUIRED.
- (7) CONNECT NEW DUCTWORK TO EXISTING AT THIS LOCATION.
- 9 SEAL ALL EXISTING SUPPLY AIR DUCTWORK IN ATTIC BY CRAWLING THROUGH ATTIC SPACE FROM THE FOUR ATTIC ACCESS LOCATIONS IDENTIFIED AS PER NOTE 5
- SEAL ALL EXISTING SUPPLY, RETURN AND OUTSIDE AIR DUCTWORK IN MECHANICAL ROOMS (TYPICAL).
- SEAL ALL EXISTING OUTSIDE AIR DUCTWORK IN ATTIC BY CRAWLING THROUGH ATTIC SPACE FROM THE FOUR ATTIC ACCESS LOCATIONS IDENTIFIED AS PER NOTE 5
- CU/2A (12) EXISTING FLOOR GRILLE TO REMAIN.
 - (13) SAW CUT EXISTING FLOOR TO ALLOW FOR INSTALLATION OF NEW FLOOR GRILLE, SEE ARCHITECTS DRAWINGS FOR FURTHER DETAIL.



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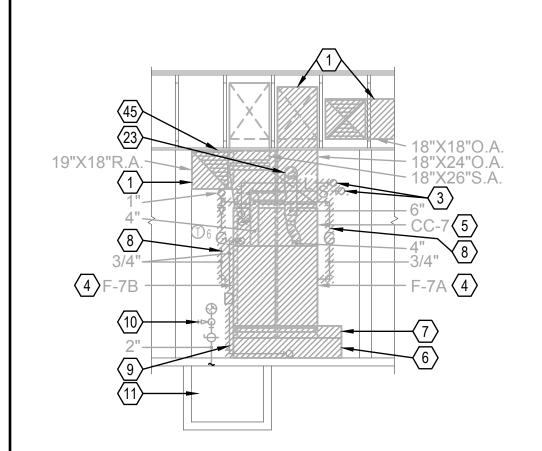
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SHEET TITLE

MECHANICAL REMODEL FLOOR PLAN

SHEET NUMBERS

MH102



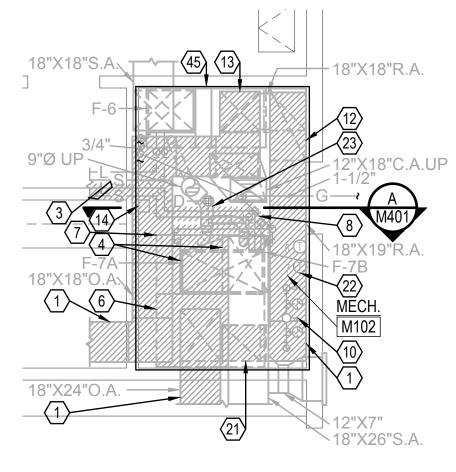


MECHANICAL ROOM

REMODEL SECTION

14"X14"O.A.

10"X10"O.A.

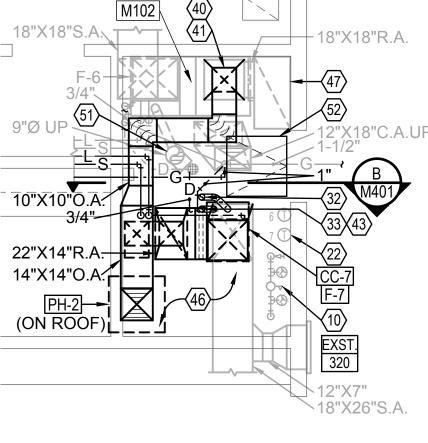


MECHANICAL ROOM DEMOLITION PLAN

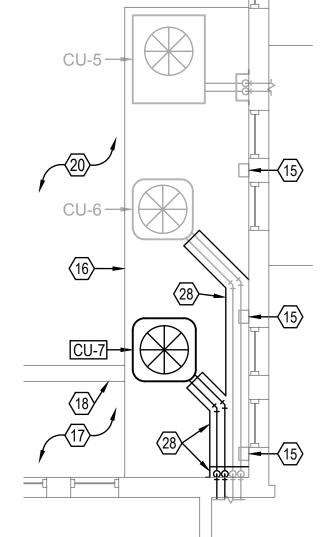
CU-6-+(

16 →

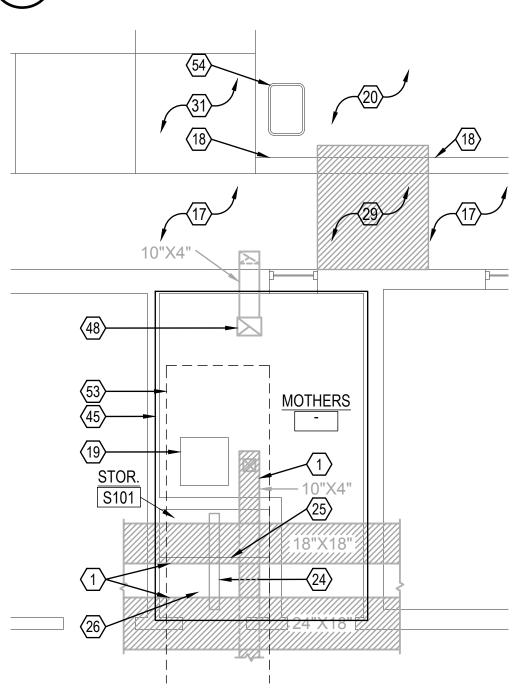
CU-7 —

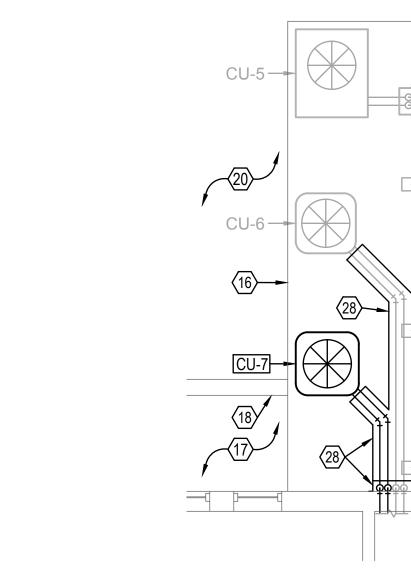


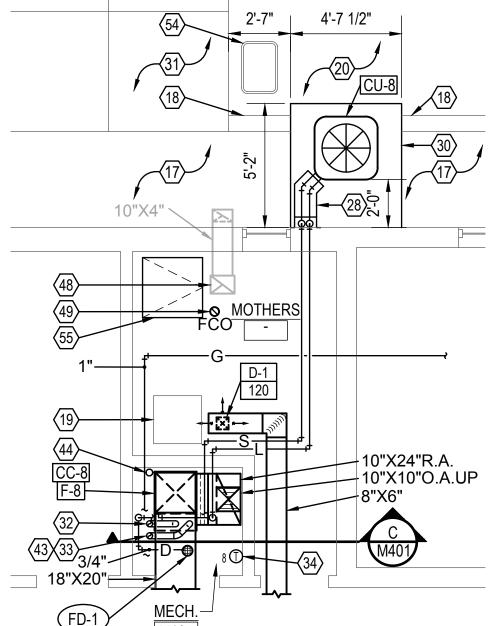
MECHANICAL ROOM REMODEL PLAN



MECHANICAL PAD MECHANICAL PAD REMODEL PLAN **DEMOLITION PLAN**







MECHANICAL ROOM REMODEL PLAN

KEYED NOTES FOR SHEET M401

- (1) REMOVE DUCTWORK SHOWN HATCHED.
- 2 REMOVE CONDENSING UNIT SHOWN HATCHED.
- (3) REMOVE REFRIGERANT PIPING SHOWN HATCHED
- (4) REMOVE FURNACE SHOWN HATCHED.
- (5) REMOVE COOLING COIL SHOWN HATCHED.
- (6) REMOVE FURNACE STAND SHOWN HATCHED.
- (7) REMOVE FURNACE FILTER SECTION SHOWN HATCHED.
- (8) REMOVE GAS PIPING SHOWN HATCHED.
- (9) REMOVE DRAIN PIPING SHOWN HATCHED.
- (10) EXISTING 2" DOMESTIC WATER PRESSURE REDUCING STATION TO REMAIN.
- (1) EXISTING RETURN AIR TUNNEL
- (12) EXISTING 36"X18" R.A. DUCTWORK THAT ROUTES FROM RETURN AIR TUNNEL UP TO 18"X18" BRANCH TO FURNACE SYSTEM F-6. AFTER BRANCH, DUCTWORK CONTINUES VERTICAL AT 18"X19" SIZE AND ROUTES TO FURNACE SYSTEM F-7 STAND AS SHOWN.
- TO ELEVATION OF 18"X18" R.A. CONNECTION. O.A. DUCTWORK TO REMAIN FROM RETURN AIR CONNECTION ELEVATION DOWN TO FURNACE STAND CONNECTION.
- (14) EXISTING DISCONNECT FOR ALL 3 FURNACES IN THIS ROOM, SEE ELECTRICAL DRAWINGS FOR FURTHER DETAIL.
- (15) EXISTING CONDENSING UNIT DISCONNECT, SEE ELECTRICAL DRAWINGS FOR FURTHER DETAIL
- (16) EXISTING CONCRETE CONDENSING UNIT PAD.
- (17) EXISTING PLANTER BED.
- (18) EXISTING CONCRETE MOW STRIP.
- (19) EXISTING CEILING ACCESS POINT.
- 20 EXISTING LAWN AREA.
- 21) REMOVE EXISTING RETURN AIR DUCTWORK DROP TO FURNACE STAND.
- REMOVE EXISTING TWIN FURNACE CONTROL WIRING FROM THIS THERMOSTAT F-7. THERMOSTAT TO REMAIN FOR REUSE.
- 23 REMOVE FURNACE FLUES SHOWN HATCHED, TYPICAL. CAP
- 24 REMOVE EXISTING LIGHT FROM STORAGE ROOM. PROVIDE NEW LIGHT FOR THE NEW MECHANICAL ROOM, COORDINATE LOCATION WITH MECHANICAL DUCTWORK LOCATIONS. SEE ELECTRICAL DRAWINGS FOR FURTHER DETAIL
- (25) REMOVE ALL STORAGE SHELVING AND BRACKETS FROM THIS ROOM. PATCH WALLS AS NEEDED AND PAINT TO MATCH EXISTING, SEE ARCHITECTURAL DRAWINGS FOR FURTHER DETAIL
- (26) REMOVE EXISTING CARPET AND CARPET GLUE FROM CONCRETE FLOOR. PROVIDE NEW THRESHOLD AT DOORWAY. PAINT FLOOR, SEE ARCHITECTURAL DRAWINGS FOR FURTHER DETAIL
- REMOVE EXISTING REFRIGERANT PIPE COVER TO ALLOW FOR REFRIGERANT PIPING REMOVAL AND REPLACEMENT.
- 28 INSTALL NEW REFRIGERANT VERTICAL AND HORIZONTAL PIPE COVERS OVER PIPING, SEE DETAILS.
- REMOVE EXISTING SHRUB'S AND OR PLANTS, PORTION OF THE EXISTING MOW STRIP, LAWN AREA AND ASSOCIATED SPRINKLER PIPING IN THIS AREA SHOWN HATCHED TO ALLOW FOR NEW CONCRETE PAD. SEE ARCHITECTURAL DRAWINGS FOR FURTHER
- NEW CONCRETE MECHANICAL EQUIPMENT PAD. MODIFY SPRINKLER PIPING SUCH THAT IS IT NOT RUN UNDER CONCRETE PAD AND PATCH LAWN AROUND NEW CONCRETE PAD TO MATCH EXISTING. SHRUBS LOCATED IN PLANTED BED TO BE A MINIMUM OF 3' FROM NEW CONDENSING UNIT. SEE ARCHITECTURAL DRAWINGS FOR FURTHER DETAIL.
- (31) EXISTING CONCRETE SIDEWALK.
- (32) COMBUSTION AIR THROUGH ROOF.
- 33 GAS VENT THROUGH ROOF.
- 34 NEW THERMOSTAT.
- (35) NEW MEDIA FILTER CABINET BY FURNACE MANUFACTURER.
- (36) NEW CONCRETE RETURN AIR TUNNEL, SEE ARCHITECTS DRAWINGS FOR DETAILS.
- NEW 2" WASTE PIPING FROM FLOOR DRAIN ROUTED THROUGH TUNNEL TO CONNECT TO EXISTING WASTE PIPING BELOW MECH M102 IN TUNNEL. CONTRACTOR TO FIELD VERIFY CONNECTION LOCATION BEFORE ORDERING AND MATERIALS.
- 38 ROUTE FURNACE AND COOLING COIL DRAIN PIPING TO FLOOR

- (39) FLEXIBLE EQUIPMENT CONNECTION.
- 40 10"X10" DUCT ACCESS DOOR, MANUAL DAMPER AND AUTOMATIC DAMPER IN O.A. DUCT.
- DROP 10"X10" AND CONNECT TO EXISTING, BALANCE TO 385 CFM.
- 42 TRANSITION DUCTWORK AND CONNECT TO EXISTING.
- 43 EXTEND CONCENTRIC VENT KIT TO BE 3' ABOVE PENTHOUSE, INSTALL GUY WIRE SUPPORTS. PAINT EXTERIOR PIPING TO MATCH ROOFING COLOR.
- 1-1/2" VENT PIPING FROM TUNNEL UP THROUGH ROOF TO EXTEND 3' ABOVE NEW OUTSIDE AIR INTAKE. PAINT EXTERIOR PIPING TO MATCH ROOFING COLOR.
- (45) REMOVE LIGHTS AND OTHER CEILING MOUNTED DEVICES IN THESE ROOMS. REMOVE EXISTING SHEET ROCK CEILING IN THESE ROOMS FOR DEMOLITION AND REMODEL ACCESS. UPON COMPLETION OF REMODEL INSTALL NEW SHEET ROCK CEILING AND RE-INSTALL EXISTING LIGHTS AND OTHER CEILING MOUNTED DEVICES, SEE ARCHITECT AND ELECTRICAL DRAWINGS FOR FURTHER DETAILS.
- 46 PAINT FLOOR IN THIS ROOM AFTER EXISTING EQUIPMENT REMOVAL TO MATCH EXISTING, SEE ARCHITECTS DRAWINGS FOR FURTHER DETAILS
- (47) CAP 36"X18" R.A. DUCTWORK AIR TIGHT AFTER THE REMOVAL OF 18"X19" BRANCH DUCTWORK.
- (48) EXISTING EXHAUST FAN.
- (49) INSTALL NEW FLOOR CLEAN OUT IN THIS LOCATION.
- 50 FLASH AND COUNTER FLASH NEW ROOF CURB TO PATCH ROOFING INTO EXISTING, SEE ARCHITECTURAL DRAWINGS FOR FURTHER DETAIL.
- (51) EXTEND EXISTING FLUE TO BE A MINIMUM OF 3 FEET ABOVE OUTSIDE AIR INTAKE. PAINT TO MATCH EXISTING ROOFING COLOR.
- (52) INSTALL NEW 30"X30" TUNNEL ACCESS DOOR WITH LATCH IN FLOOR OF MECHANICAL ROOM, SEE ARCHITECTURAL DRAWINGS FOR FURTHER DETAIL
- (53) REMOVE EXISTING CARPET IN THIS AREA TO ALLOW FOR SAW CUTTING OF EXISTING FLOOR AND INSTALLATION OF NEW PORTION OF TUNNEL RE-INSTALL OR REPLACE CARPET IN MOTHERS ROOM UPON COMPLETION OF WORK TO MATCH EXISTING. SEE ARCHITECTS PLANS FOR FURTHER DETAIL
- **54** EXISTING IRRIGATION SPRINKLER BOX IN EXISTING LAWN AREA. MODIFY ALL SPRINKLER PIPING TO ROUTE AROUND NEW MECHANICAL CONCRETE PAD. SEE ARCHITECTS DRAWINGS FOR FURTHER DETAIL.
- (55) INSTALL NEW 30"X30" TUNNEL ACCESS DOOR WITH LATCH IN FLOOR OF MOTHERS ROOM, SEE ARCHITECTURAL DRAWINGS FOR FURTHER DETAIL



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SHEET TITLE

MECHANICAL LARGE SCALE PLANS AND SECTIONS

SHEET NUMBERS

M401

MECHANICAL ROOM REMODEL SECTION

MECHANICAL ROOM DEMOLITION PLAN

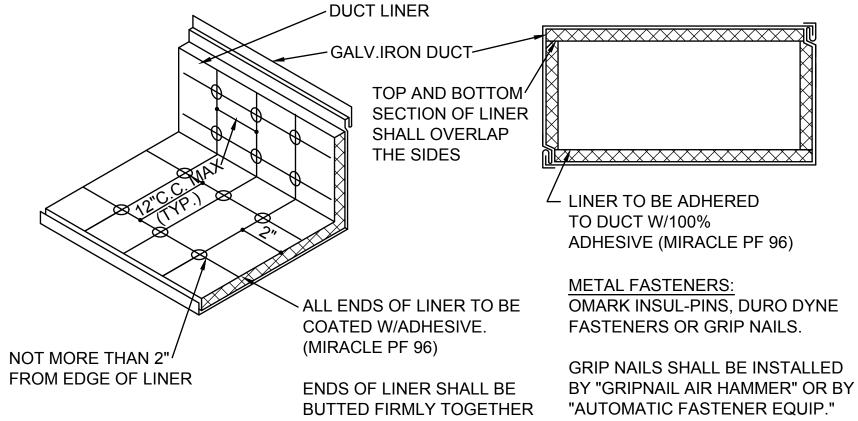
(1) TRANSVERSE REINFORCING SIZE IS DETERMINED BY

DIMENSION OF SIDE TO WHICH ANGLE IS APPLICABLE

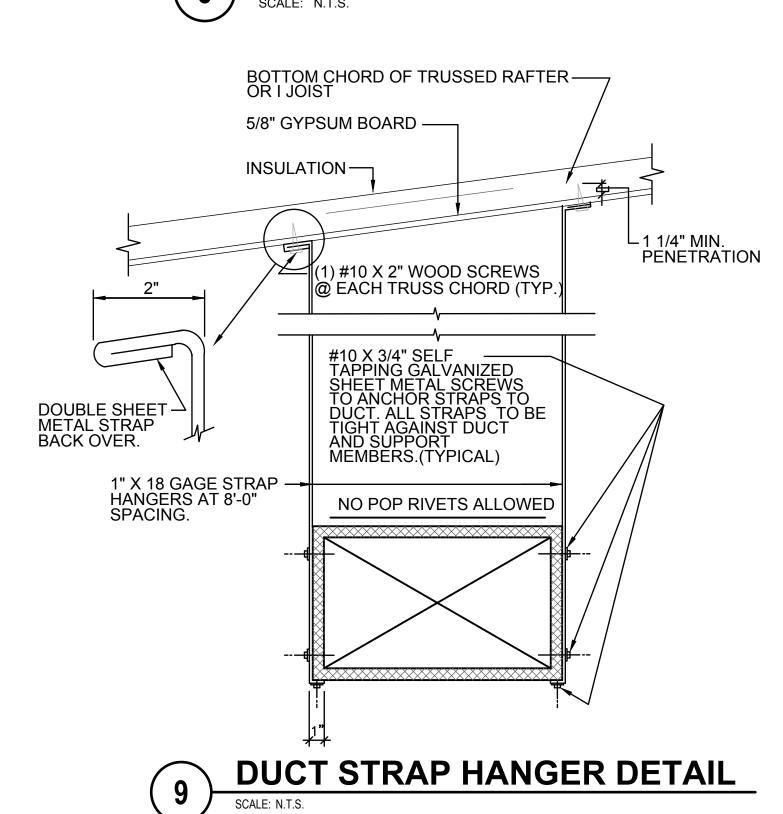
(2) LONGITUDINAL JOINTS TO BE PITTSBURGH OR SNAP LOCK TYPE

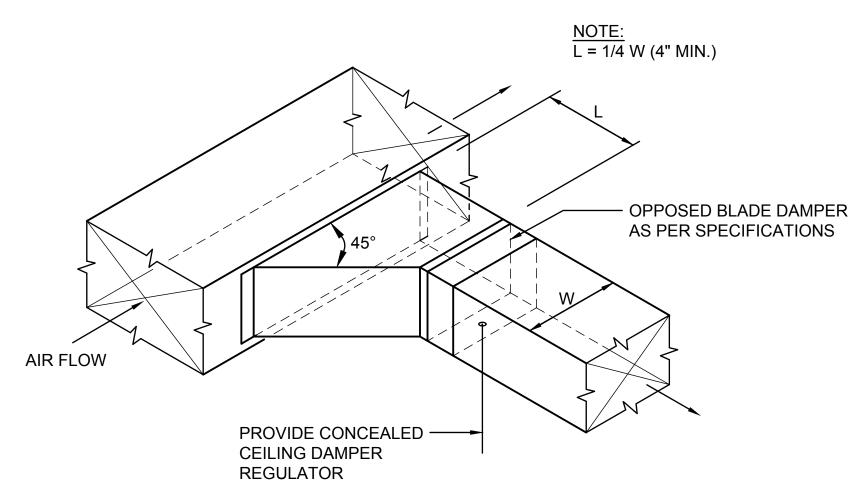
(3) IF BAR SLIP OR REINFORCED BAR SLIP JOINTS ARE USED, ANGLE IRON REINFORCING SHALL NOT BE REQUIRED.

DUCT CONSTRUCTION DETAIL

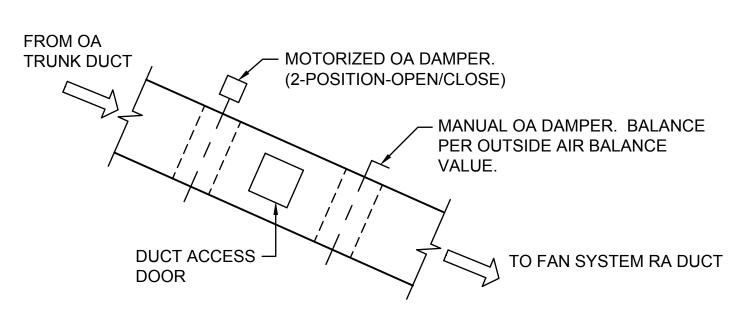


DUCT LINER DETAIL

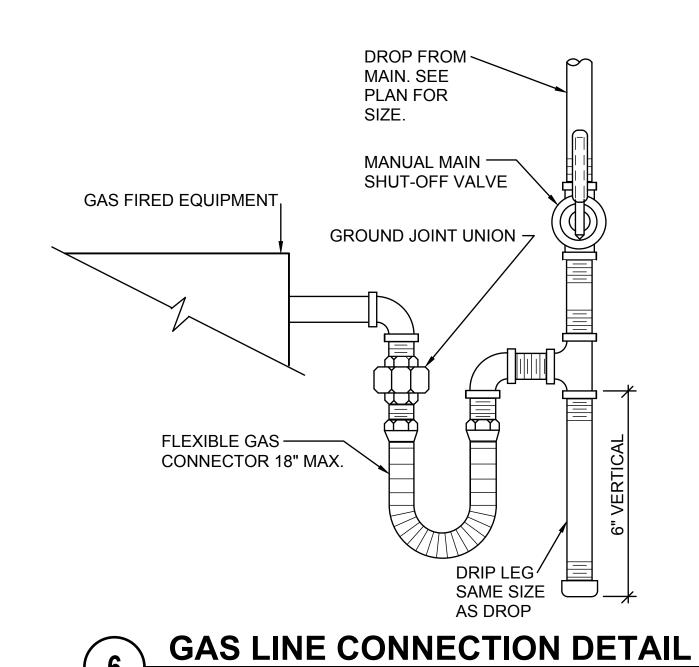


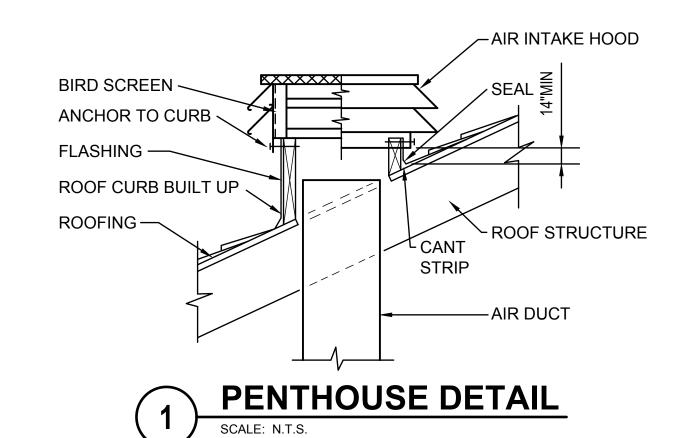


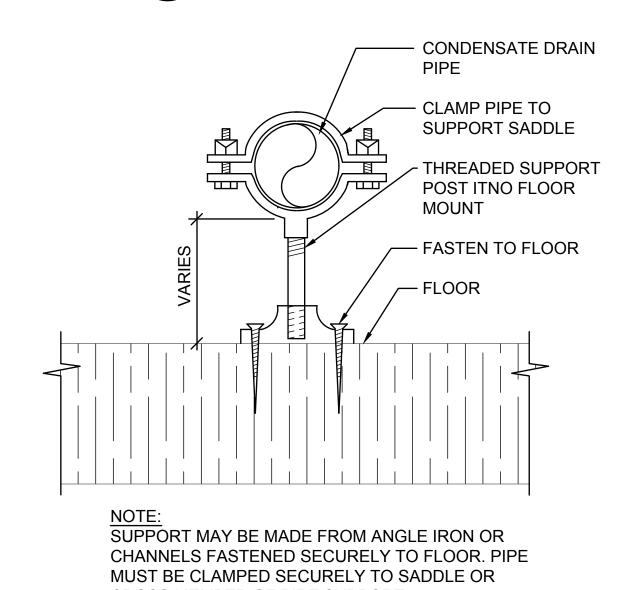
BRANCH DUCT TAKE-OFF & DAMPER DETAIL



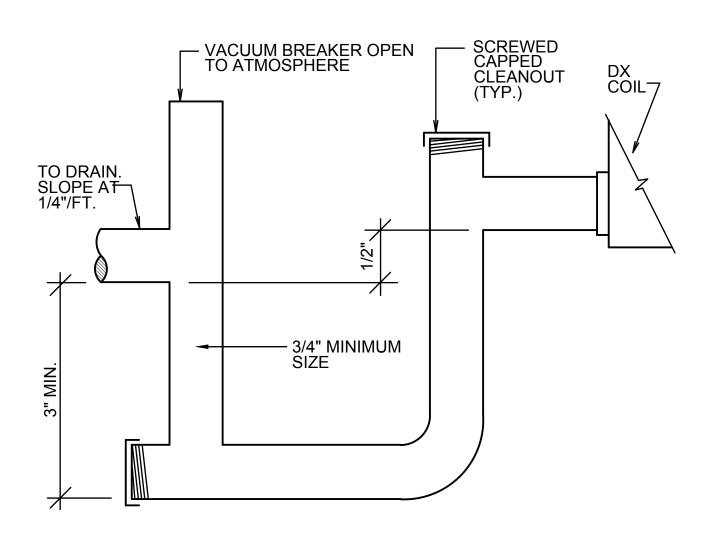
TYPICAL MINIMUM OUTSIDE AIR DUCT DETAIL



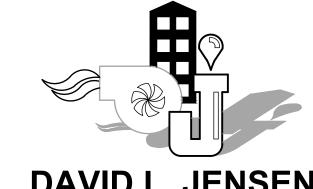




CROSS MEMBER OF PIPE SUPPORT. CONDENSATE DRAIN PIPE SUPPORT DETAIL



DX COIL CONDENSATE DRAIN DETAIL



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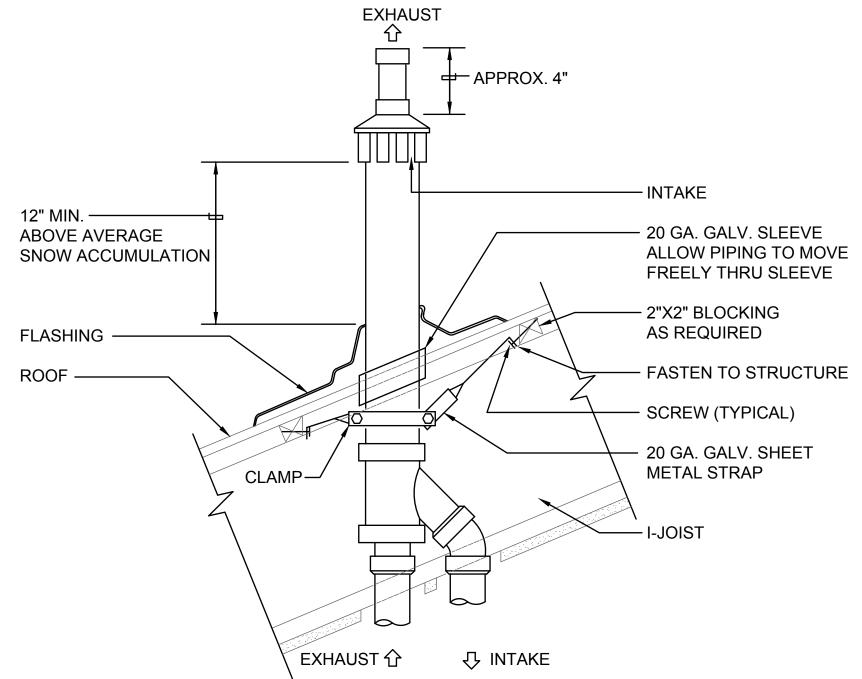
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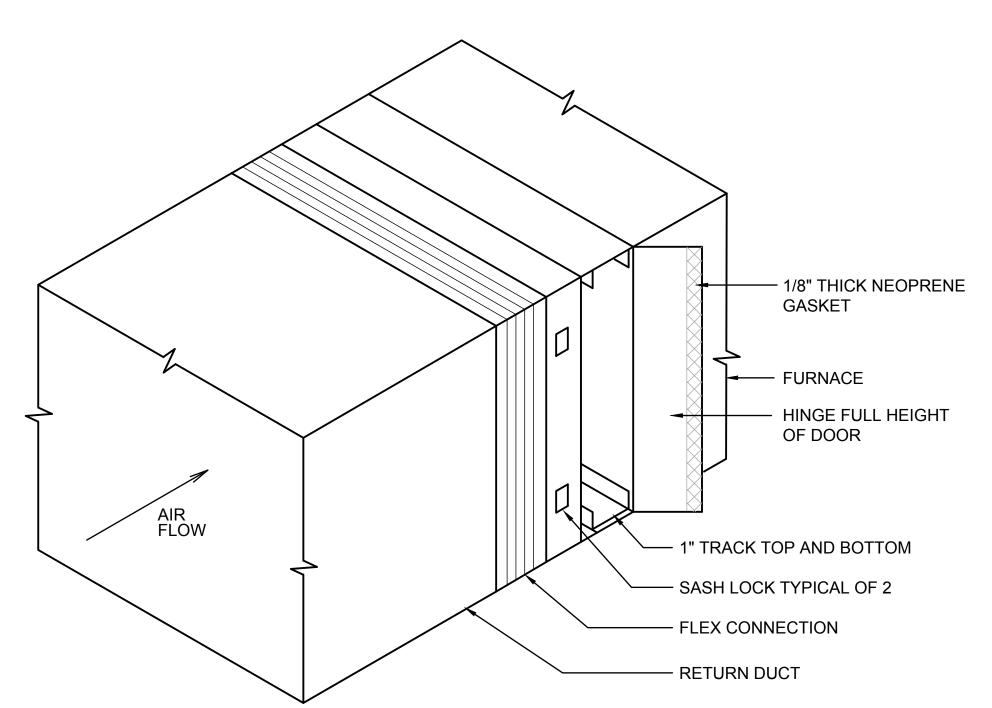
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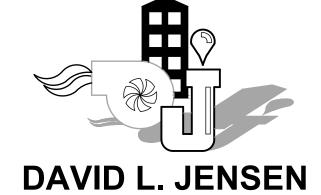


NOTE:
USE EXTENSION KIT NECESSARY TO ACHEIVE CLEARANCE ABOVE SNOW LEVEL.

CONCENTRIC ROOF TERMINATION DETAIL SCALE: N.T.S.



2 EXTERNAL FILTER SECTION DETAIL
SCALE: N.T.S.



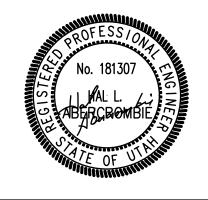
& ASSOCIATES

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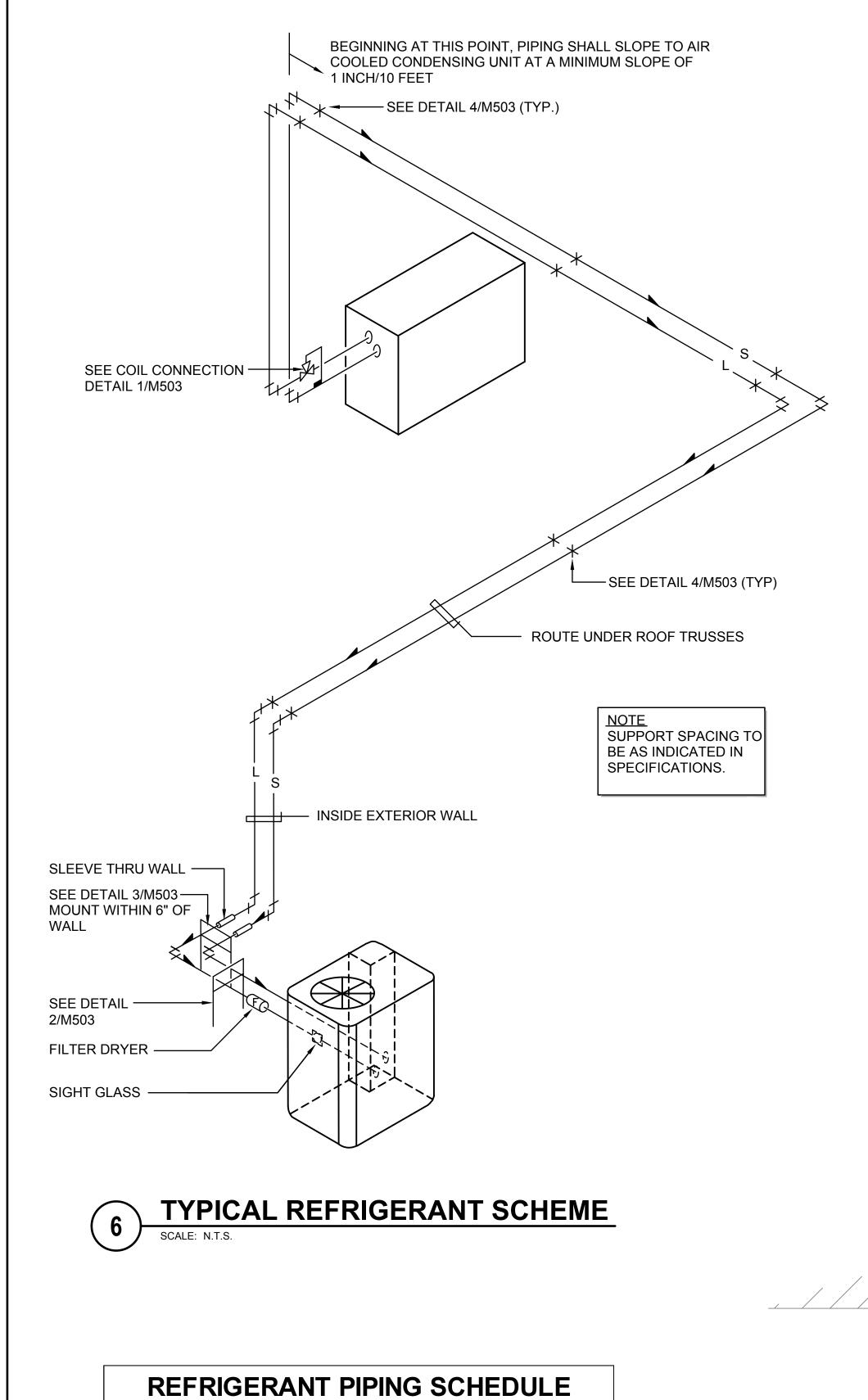
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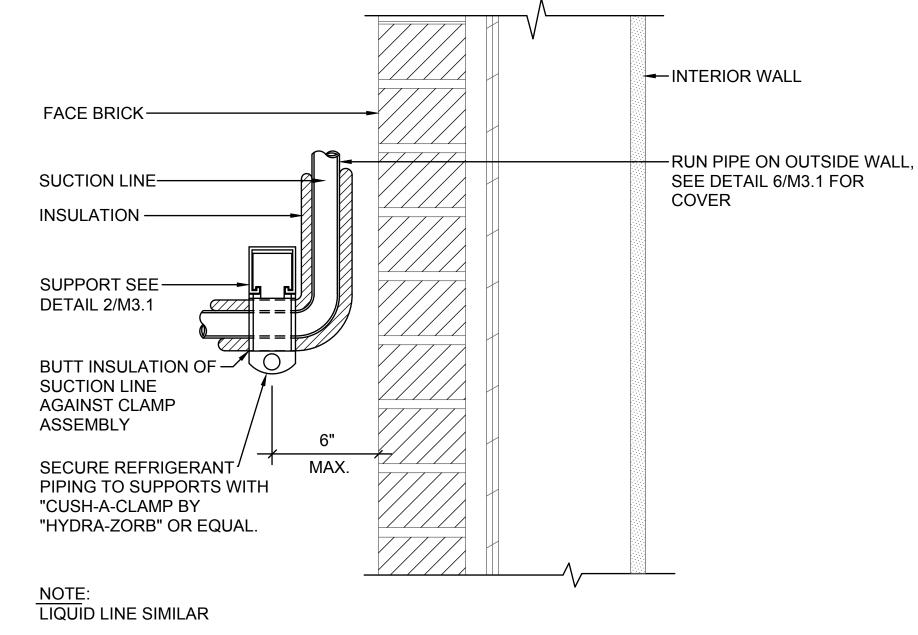
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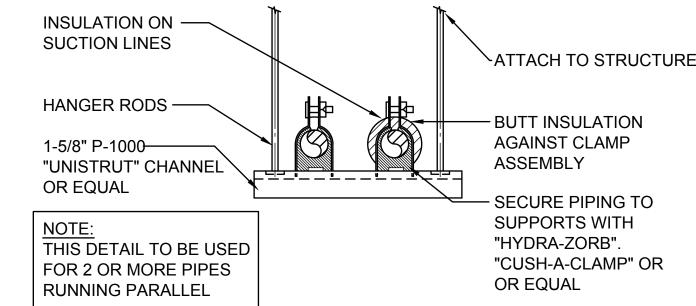
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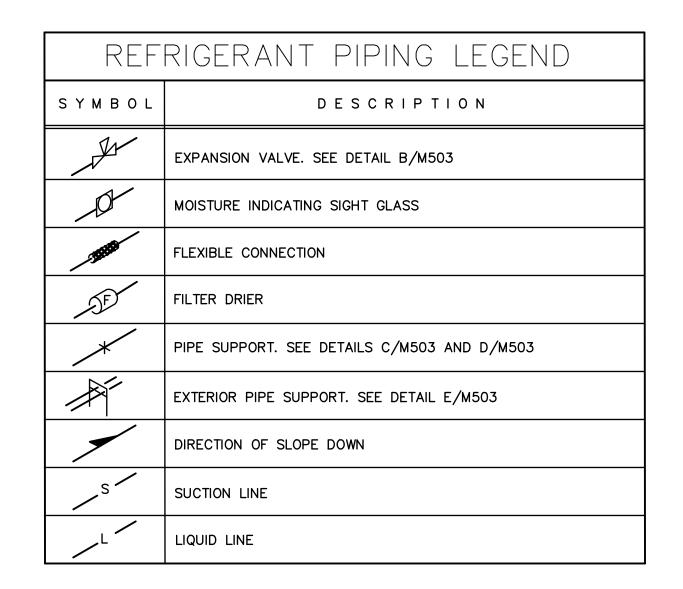


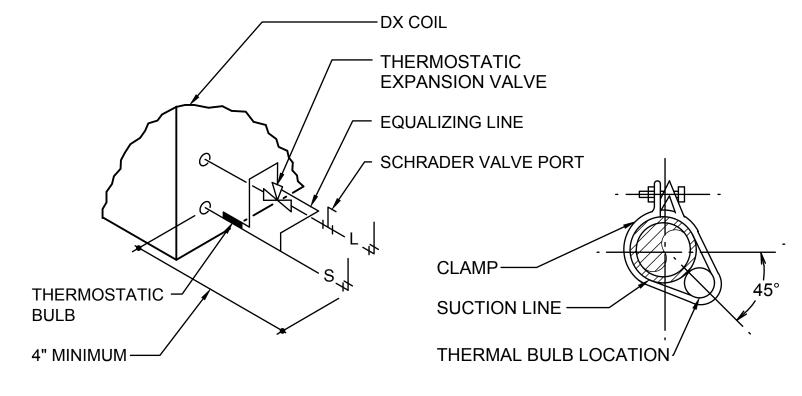


REFRIGERANT PIPE SUPPORT AT WALL



SUSPENDED REFRIGERANT PIPE SUPPORT AT CEILING DETAIL

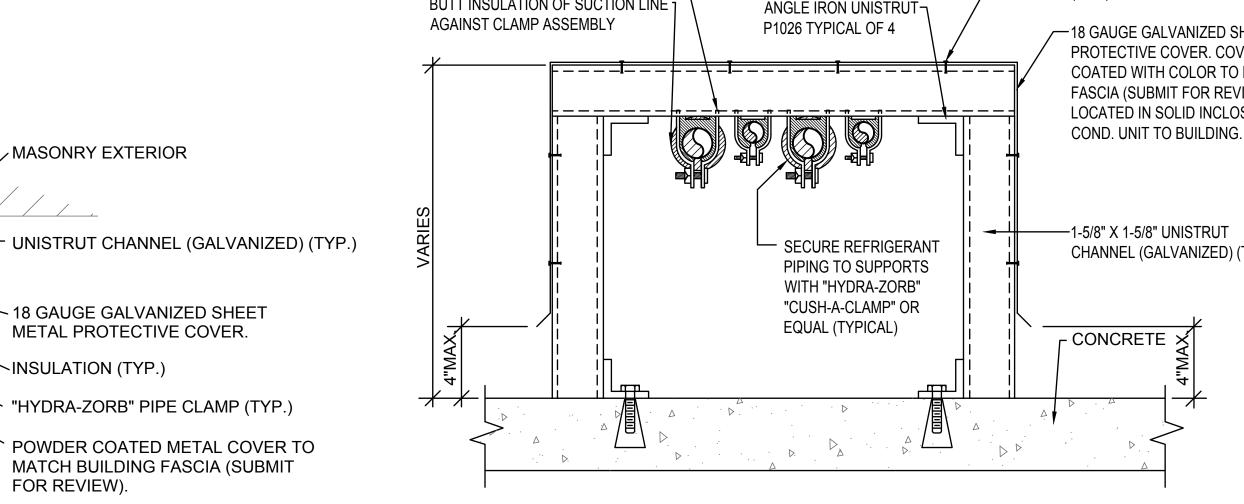




1. THERMOSTATIC BULB TO BE AS CLOSE TO COIL AS POSSIBLE NOT

ALLOWED ON VERTICAL LINES. 2. EQUALIZING LINE SHALL BE CONNECTED IN STRAIGHT SECTION OF SUCTION LINE AFTER THERMAL BULB.(NOT ALLOWED ON VERTICAL LINES.)

REFRIGERANT COIL CONNECTION DETAIL



EXTERIOR REFRIGERANT PIPE SUPPORT DETAIL

- 1/16" POP RIVET AT LEAST UNISTRUT PIPE CLAMP (TYP.) **EVERY 6" AT SUPPORTS** BUTT INSULATION OF SUCTION LINE 1 ANGLE IRON UNISTRUT —18 GAUGE GALVANIZED SHEET METAL PROTECTIVE COVER. COVER TO BE POWDER COATED WITH COLOR TO MATCH BUILDING FASCIA (SUBMIT FOR REVIEW) IF UNIT IS NOT LOCATED IN SOLID INCLOSURE. RUN FROM CHANNEL (GALVANIZED) (TYP.)



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REFRIGERANT **DETAILS**

SHEET NUMBERS

M503

REFRIGERANT PIPING SCHEDULE					
NOTES:					
(1)	REFRIGERANT R-410A				
(2)	SIZES LISTED ARE FOR PIPE	WITH EQUIVALENT LENGTHS			
	UP TO 80 FEET AND LESS TH	AN 20 FEET VERTICAL. FOR			
	LONGER PIPE, REFER TO MA	NUFACTUER'S GUIDELINES			
SYSTEM SIZE	LIQUID PIPE, DIA	SUCTION PIPE, DIA			
4 TONS	3/8	7/8			

5 TONS

1-1/8

REFRIGERANT PIPE COVER AT WALL DETAIL (PC)

INSULATION (TYP.)

FOR REVIEW).

FURNACE SCHEDULE

(1) VERTICAL FURNACE
(2) CONDENSING TYPE, 96% EFFICIENT
(3) SITE ELEVATION IS 4,250 FT

MARK	MIN. INPUT	OUTPUT	AIRFLOW,	ESP,	ELECTRICAL REQUIRE	MENTS	OUTSIDE	CARRIER MODEL	REMARKS
	CAPACITY,	CAPACITY,	CFM	INCHES			AIR CFM		
	BTU/HR	BTU/HR			VOLTS/HERTZ/PHASE	HP			
F-7	80,000	78,000	1,600	0.7	120 / 60 / 1	1	235	59SC5B080S211316	
F-8	100,000	97,000	2,000	0.7	120 / 60 / 1	1	370	59SC5B100S211020	

CONDENSING UNIT SCHEDULE

(1) MOUNT ON GROUND ON CONCRETE PAD
(2) PROVIDE WITH LOW AMBIENT KIT TO OPERATE DOWN TO 0 DEGREES

	NOMINAL	REQUIRED	REFRIGERANT	AMBIENT	SEER	ELECTRICAL REQUIRE	MENTS		
	САРАСІТҮ,	CAPACITY,		TEMP,					CARRIER
MARK	TONS	TONS		DEG F		VOLTS/HERTZ/PHASE	MCA	MOCP	MODEL
CU-7	4	3.1	R-410A	95	13	208/60/3	17.8	30	24ABB348A0N50
CU-8	5	3.9	R-410A	95	13	208/60/3	21.4	30	24ABB360A0N50

	DX COIL SCHEDULE							
NOTES:	NOTES:							
(1)	(1) HORIZONTAL ARRANGEMENT							
(2)	SITE ELEVATION IS 4,250 FT							
(3)	3) 40 DEGREE EVAP TEMPERATURE							
	TOTAL	SENSIBLE	ENTERING (COIL CONDITIONS		PRESS.		
	CAPACITY,	CAPACITY,	DRY BULB,	WET BULB,	AIRFLOW,	DROP,	CARRIER	
MARK	BTU/HR	BTU/HR	F	F	CFM	INCHES	MODEL	
CC - 7	62700	40100	78.8	55.5	1600	0.17	CNPVP6024ACA	
CC - 8	71500	46700	78.8	55.5	2000	0.24	CNPVP6124ACA	

		P	ENTHO	USE SC	HEDULE			
NOTES (1) (2)	OUTSIDE A		CH ROOF CURI	В				
MARK	AIRFLOW,	APD,	THROAT SIZE,	OVERALL	CURB HEIGHT,	TEIR	COOK	REMARKS
	CFM	INCHES	INCHES	PENTHOUSE	INCHES		MODEL	
				SIZE, INCHES				
PH-1	370	0.05	10 X 10	22 X 22 X 9	14	2	TRE	

	RE	EGISTI	ER & GI	RILLE S	CHEDUL	.E
NOTES:						
(1)	MAXIMUM	NC-25 @ M	AXIMUM CFM.			
(2)	CONTRAC	CTOR TO FIE	LD VERIFYEXI	STING FLOOR	OPENING SIZE BE	FORE ORDERING
NAA DIK	T = = =	OED\ ((OE	051454105	NEOK OFF	1.1005	DEMARKS
MARK	TYPE	SERVICE	CFM RANGE	NECK SIZE,	MODEL	REMARKS
				INCHES		
R-1	FLOOR	RETURN	225-295	19-1/2 X 3-1/2	TITUS CT-580	(2)
R-2	FLOOR	RETURN	225-285	23-1/2 X 3-1/2	TITUS CT-580	(2)
R-3	FLOOR	RETURN	300	23-1/2 X 5-1/2	TITUS CT-580	(2)
R-4	WALL	RETURN	225	16"X8"	TITUS 33RL	(2)

	DIFFUSER SCHEDULE					
NOTES	:					
(1)) MAXIMUM NC OF 25 @ MAXIMUM CFM					
(2)	FINISH SHALL BE BAKED ENAMEL WITH COLOR AS SELECTED BY ARCHITECT.					
(3)	ALL DIFFUSERS ARE 360 DEGREE BLOW UNLESS OTHERWISE NOTED ON PLAN.					
(4)	BORDER TYPE 1	(SURFACE	MOUNT) TO BE	USED.		
MARK	TYPE	SERVICE	NECK SIZE,	CFM	MODEL	REMARKS
			INCHES	RANGE		
D -1	HARD CEILING	SUPPLY	6 X 6	0 - 125	TITUS TDC	

PLUMBING FIXTURE SCHEDULE								
NOTES: (1) INSTALL NEW FLOOR DRAIN IN CONCRETE FLOOR.								
MARK	FIXTURE			PIPE :	SIZE			
		TRAP	WASTE	VENT	CW	HW	AIR	REMARKS
FD-1	FLOOR DRAIN	2	2	1.5				(1)



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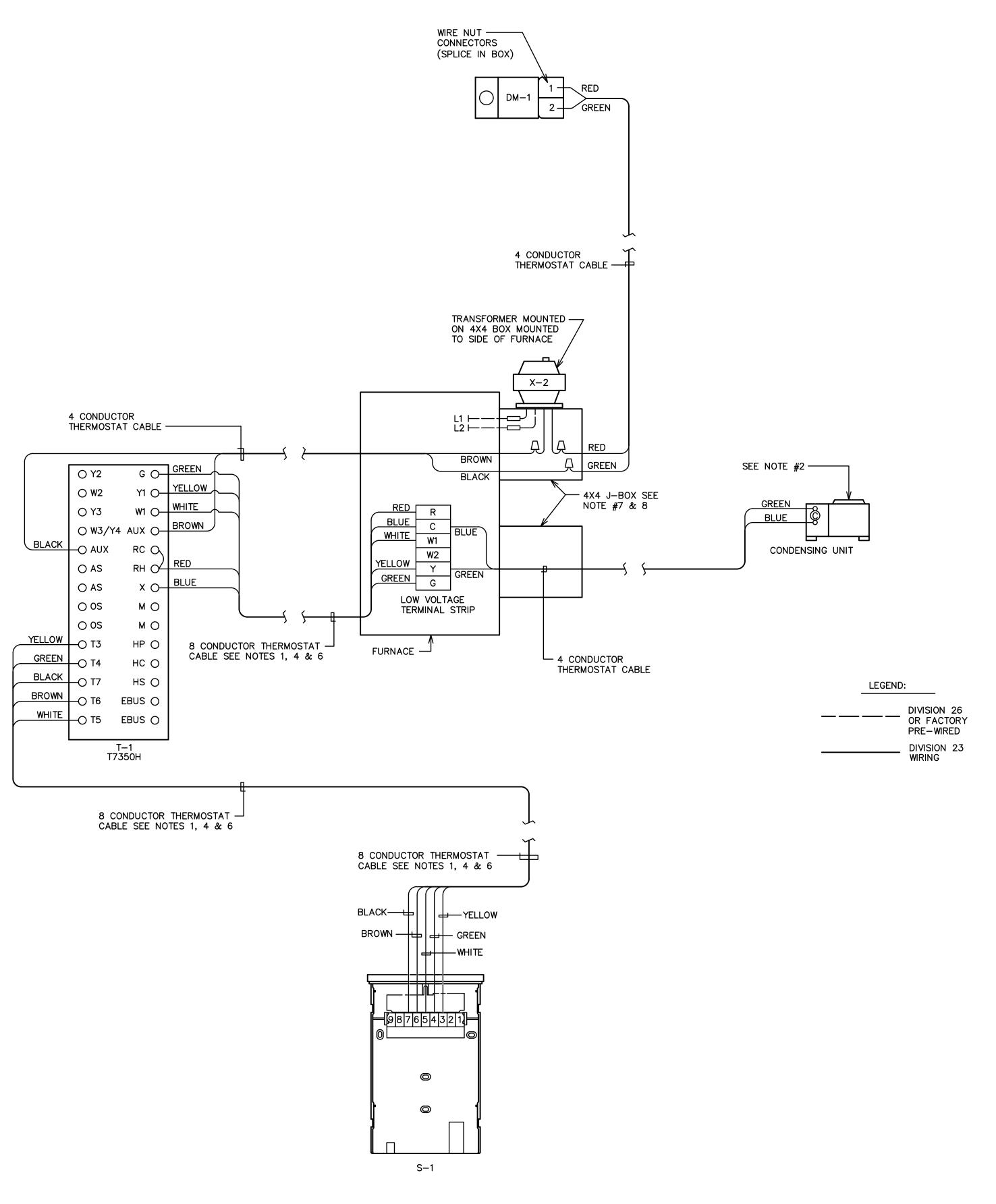
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SHEET TITLE

MECHANICAL SCHEDULES

SHEET NUMBERS



SYSTEMS F-7 AND F-8

WIRING DIAGRAM

SYSTEMS: F-7 AND F-8

NOTES:

- 1. THERMOSTAT CABLE- 4, 8 OR 12 CONDUCTOR- 18 AWG SOLID COPPER WIRE INSULATED WITH HIGH DENSITY POLYETHYLENE. CONDUCTORS PARALLEL. ENCLOSED IN BROWN PVC JACKET. (NO 22 AWG CABLE ALLOWED).
- 2. IF CONDENSING UNITS HAVE THEIR OWN POWER SUPPLY IT MAY BE NECESSARY TO ADD ADDITIONAL RELAYS IN CONDENSING UNIT TO PROPERLY INTERFACE CONTROLS.
- 3. USE WIRE NUT CONNECTORS FOR SPLICING CONDUCTORS IN SPECIFIED LOCATIONS. AND TYTON TYPE CRIMP CONNECTORS FOR TERMINAL CONNECTIONS. NO TERMINAL CONNECTORS REQUIRED AT THERMOSTAT OR SENSOR.
- 4. DO NOT RUN ANY OTHER WIRING IN THIS CONDUIT EXCEPT THERMOSTAT CABLE.
- 5. VERIFY THAT FURNACE FAN SPEED CONTROL WIRING IS SET TO MATCH SCHEDULE SHEET AND THAT FAN OPERATES AT COOLING SPEED ONLY.
- 6. DO NOT SPLICE WIRE IN RUNS FROM SENSOR TO THERMOSTAT, THERMOSTAT TO FURNACE, AND THERMOSTAT TO DISCHARGE AIR SENSOR.
- 7. PROVIDE CHASE NIPPLE W/PLASTIC BUSHING WHEN ATTACHING J-BOX TO EQUIPMENT.
- 8. PROVIDE CABLE CLAMP SO THAT CABLES CANNOT BE PULLED OUT OF J-BOX.

CONTROL EQUIPMENT

OOITITOE EQUIT MEITT		
MARK	DESCRIPTION	CAT. NO.(1)
T-1	THERMOSTAT	T7350H1009
S-1	REMOTE TEMPERATURE SENSOR SELECTABLE 10K OHM OR 20K OHM	T7771A1005
DS-1	DISCHARGE AIR SENSOR	C7041B2005
X-2	TRANSFORMER 120V/24V 50VA	AT150F1002
DM-1	DAMPER MOTOR TWO POSITION	MS8105A1030

1) ALL CATALOG NUMBERS SHOWN ARE HONEYWELL UNLESS NOTED OTHERWISE.



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WARDS

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PROPERTY NUMBER: 505056119010101 60 SOUTH MAIN STREET SALEM, UTAH 84653 SALEM

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SHEET TITLE

AUTOMATIC TEMPERATURE **CONTROL WIRING** AND SCHEDULE

SHEET NUMBERS

ME101

	WIRING DEVICE SYMBOLS		
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
\$	SINGLE-POLE TOGGLE SWITCH	+48"	
\$ ₃	THREE-WAY TOGGLE SWITCH	+48"	
-	DUPLEX RECEPTACLE	+18"	
⊕	FOURPLEX RECEPTACLE	+18"	
•	GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE	+18"	
#	GROUND FAULT CIRCUIT INTERRUPTER FOURPLEX RECEPTACLE	+18"	
(5-20R)	SPECIAL PURPOSE OUTLET	+18"	SUBSCRIPT IN PARENTHESIS INDICATES NEMA CONFIGURATION IF SHOWN. REFER TO DRAWINGS AND/OR EQUIPMENT SCHEDULES. CONFIRM EXACT CONFIGURATION WITH OWNER PRIOR TO INSTALLATION.

GEAR AND CONTROL SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
\$⊤	MANUAL STARTER WITH THERMAL OVERLOAD(S)	AT EQUIPMENT	
6	ELECTRIC MOTOR		
1	NON-FUSED DISCONNECT SWITCH	TOP AT +48"-72"	
급	FUSED DISCONNECT SWITCH	TOP AT +48"-72"	
	CIRCUIT BREAKER AND ENCLOSURE	TOP AT +48"-72"	
	MAGNETIC STARTER	TOP AT +48"-72"	
4	COMBINATION MAGNETIC STARTER / NON-FUSED DISCONNECT	TOP AT +48"-72"	
깝	COMBINATION MAGNETIC STARTER / FUSED DISCONNECT	TOP AT +48"-72"	
⊠h	COMB. MAGNETIC STARTER / MOTOR CIRCUIT PROTECTOR (MCP)	TOP AT +48"-72"	

FIRE ALARM SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
Π	TAMPER SWITCH	AT VALVE	
W	WATER FLOW INDICATOR	ON FIRE RISER	
FSD	FIRE/SMOKE DAMPER		
Θ	HEAT DETECTOR	CEILING	
©	SMOKE DETECTOR	CEILING	
© □	DUCT SMOKE DETECTOR	SIDE OF DUCT	
F	FIRE ALARM MANUAL STATION	+48"	
Z	CONTROL MODULE	AT DEVICE(S) TO BE CONTROLLED	
	MONITOR MODULE	AT DEVICE(S) TO MONITOR	
R	FAN SHUTDOWN RELAY	AT FAN CONTROL PANEL	
0	MAGNETIC DOOR HOLDER	COORDINATE WITH DOOR INSTALLER	COORDINATE WITH DOOR INSTALLER; SUBSCRIPT 'F' INDICATES TO MOUNT AT FLOOR LEVEL
WF	WATER FLOOD INDICATOR	FLOOR	
$oxed{\mathbb{H}}$	AUDIO HORN	80" MIN AND 96"	SUBSCRIPT 'WP' INDICATES THAT A
M	MINI AUDIO HORN	MAX; MEASURED FROM LENS.	WEATHER PROOF BACK BOX IS REQ.
\boxtimes	FIRE ALARM VISUAL STROBE	IF CEILING IS	SUBSCRIPT 'C' INDICATES CEILING MOUNTING.
\boxtimes	FIRE ALARM AUDIO/VISUAL HORN/STROBE	LESS THAN 80",	
গ্র	FIRE ALARM AUDIO SPEAKER	MOUNT WITHIN 6" OF CEILING.	NUMERIC SUBSCRIPT INDICATES CANDELLA RATING OF STROBE
Ø	FIRE ALARM AUDIO/VISUAL SPEAKER/STROBE	o or otherwo.	(I.E 15, 75, 110)
₽	FIRE FIGHTER PHONE/COMMUNICATION BOX		

ELECTRONIC SYSTEM GENERAL SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
PANEL	ELECTRONIC SYSTEM PANELBOARD (SURFACE MOUNT)	TOP AT 72"	ELECTRONIC SYSTEMS MAY INCLUDE BUT ARE NOT SPECIFICALLY LIMITED TO, TELEPHONE, DATA, TELEVISION, LIGHTING CONTROL, CLOCKS, FIRE ALARM, ACCESS
PANEL	ELECTRONIC SYSTEM PANELBOARD (FLUSH MOUNT)	TOP AT 72"	CONTROL, SECURITY, CCTV, SOUND SYSTEM, NURSE CALL, OR INTERCOM.
	ELECTRONIC SYSTEM TERMINAL BOARD	TOP AT 72"	

ELECTRICAL SYMBOL SCHEDULE GENERAL NOTES

- MOUNT ALL OUTLETS, DEVICES, AND EQUIPMENT AT HEIGHTS INDICATED BELOW, UNLESS NOTED OTHERWISE ON THE DRAWINGS. UNLESS NOTED OTHERWISE, HEIGHTS ARE GIVEN FROM FINISHED FLOOR TO CENTER OF OUTLET BOX.
- WHERE OUTLETS, DEVICES, AND EQUIPMENT ARE NOTED BY SUBSCRIPTS, REFER TO ABBREVIATION SCHEDULE FOR DEFINED
- WHERE OUTLETS, DEVICES AND EQUIPMENT ARE NOTED BY THE SUBSCRIPT 'A', MOUNT AT 4" ABOVE COUNTER. IF COUNTER HAS A BACK SPLASH, MOUNT AT 4" ABOVE BACK SPLASH. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS AND COORDINATE WITH CASEWORK
- 4. NOT ALL ELECTRICAL SYMBOLS MAY BE USED.

	GENERAL SYMBOLS		
	SYMBOL	DESCRIPTION	REMARKS
_ 	\otimes	KEYED NOTE	TOP NUMBER INDICATES ELEVATION NUMBER; BOTTOM LETTER-NUMBER INDICATES WHERE ELEVATION IS SHOWN.
	1 E-1	DETAIL REFERENCE	
	2 E-2	ELEVATION REFERENCE	
	3 E-3	SECTION REFERENCE	TOP NUMBER INDICATES ELEVATION NUMBER; BOTTOM LETTER-NUMBER INDICATES WHERE ELEVATION IS SHOWN.
	100	ARCHITECTURAL ROOM NUMBER	
	AHU 1	EQUIPMENT NAME / NUMBER	TOP NUMBER ABBREVIATES EQUIPMENT NAME OR TYPE; BOTTOM NUMBER INDICATES EQUIPMENT NUMBER. REFER TO EQUIPMENT SCHEDULE.
	\triangle	REVISION NUMBER	USED TO DENOTE CHANGES EITHER ISSUED BY ADDENDUM OR DURING CONSTRUCTION AND TO DENOTE RECORD DRAWING CHANGES.
		BREAKLINE	USED TO BREAK DRAWINGS.

BRANCH CIRCUITING SYMBOLS			
SYMBOL	DESCRIPTION	REMARKS	
-	BRANCH CIRCUIT HOME RUN TO PANEL	ARROWS: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS REQUIRED.	
o	BRANCH CIRCUITING (U.N.O.) TURNED UP OR TOWARDS OBSERVER.		
•	BRANCH CIRCUITING (U.N.O.) TURNED DOWN OR AWAY FROM OBSERVER.		
	BRANCH CIRCUITING (U.N.O.) CONTINUATION		
3	CONDUIT STUB-IN	CAP AND MARK	
0	JUNCTION BOX	MOUNT AS NOTED. SUBSCRIPT 'F' INDICATES TO PROVIDE A FLOOR BOX WITH BLANK COVERPLATE	
TELEBLIONE / DATA CYMDOLC			

TELEPHONE / DATA SYMBOLS

TELLI HONE / DATA STINIDOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
>	COMBINATION TELEPHONE/DATA OUTLET	+18"	MINIMUM 2 CAT 6E CABLES
<u></u>	WIRELESS ACCESS POINT	CEILING	OWNER FURNISHED CONTRACTOR INSTALLE

ELECTRICAL SHEET INDEX

SYMBOLS SCHEDULES AND ABBREVIATIONS EG500 ELECTRICAL DETAILS

ED102 DEMOLITION PLAN

EP102 POWER PLAN ONE LINE DIAGRAM EP800 PANEL BOARD SCHEDULES

ABBREVIATION SCHEDULE

	NOTE: NOT ALL ABBREVIATIONS MAY BE USED.			
	Α	ABOVE COUNTER	ISO	ISOLATED
	Α	AMP OR AMPS	KVA	KILO VOLT AMPERES
	ADJ	ADJACENT	KW	KILOWATTS
	AFF	ABOVE FINISHED FLOOR	LFMC	LIQUID-TIGHT METAL CONDUIT
1	AHJ	AUTHORITY HAVING JURISDICTION	LFNC	LIQUID-TIGHT NONMETAL CONDUIT
	AL	ALUMINUM	MCA	MINIMUM CIRCUIT AMPS
	С	CONDUIT	MLO	MAIN LUGS ONLY
	CB	CIRCUIT BREAKER	N.C.	NORMALLY CLOSED
	CKT	CIRCUIT	N.I.C.	NOT IN CONTRACT
	C.O.'S	CONVENIENCE OUTLETS	N.L.	NIGHT LIGHT
	CU	COPPER	N.O.	NORMALLY OPEN
	EA	EACH	O.C.	ON CENTER(S)
	ELEC	ELECTRICAL	OCP	OVER CURRENT PROTECTION
	EM	EMERGENCY	QTY	QUANTITY
1	EMT	ELECTRIC METALLIC TUBING	R	REMOVE
	ENT	ELECTRIC NONMETALLIC TUBING	REQ.	REQUIREMENTS
	EQUIP	EQUIPMENT	RMC	RIGID METAL CONDUIT
	EWC	ELECTRIC WATER COOLER	RNC	RIGID NONMETALLIC CONDUIT
	E, EX	EXISTING	RR	REMOVE AND RELOCATE
	EXP	EXPLOSION PROOF	SS	SURGE SUPPRESSION
1	FA	FIRE ALARM	SCP	SECURITY CONTROL PANEL
	FACP	FIRE ALARM CONTROL PANEL	TR	TAMPER RESISTANT
	FLA	FULL LOAD AMPS	TYP	TYPICAL
	FMC FOB	FLEXIBLE METAL CONDUIT	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
		FREIGHT ON BOARD	UF	UNDER FLOOR
	GND HOA	GROUND CONDUCTOR	UG	UNDERGROUND
	HP HOA	HAND-OFF-AUTO	U.N.O.	UNLESS NOTED OTHERWISE
	I G	HORSE POWER	W/	WITH
,	IMC	ISOLATED GROUND	WP XFMR	WEATHER PROOF
	INS	INTERMEDIATE METAL CONDUIT	ALIVIK	TRANSFORMER
	INO	INSULATED		

GENERAL PROJECT NOTES:

- DIVISION 26 CONTRACTOR IS RESPONSIBLE FOR READING AND APPLYING WHAT IS IN THE SPECIFICATIONS TO THIS PROJECT. ANYTHING THAT IS NOT INCLUDED ON THE PROJECT THAT IS CALLED OUT IN THE SPECIFICATION SHALL BE LISTED ON THE SUBSTANTIAL COMPLETION PUNCHLIST. THE CONTRACTOR WILL BE REQUIRED TO REMEDY THESE DEFICIENCIES. THERE WILL BE NO EXCEPTIONS.
- 2. THE CONTRACTOR MAY SCHEDULE A PRE-CONSTRUCTION MEETING, AT THEIR DISCRETION WITH THE ELECTRICAL ENGINEER AND REVIEW THE DRAWINGS AND SPECIFICATIONS. THE MEETING SHALL BE A MAXIMUM OF ONE HOUR AND SHALL TAKE PLACE AT THE ENGINEER'S OFFICE.
- 3. THE FOLLOWING ITEMS ARE SOME OF THE REQUIREMENTS THAT ARE LISTED IN THE SPECIFICATIONS, THESE ITEMS DO NOT REPRESENT ALL ITEMS AND THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL REQUIREMENTS OF THE SPECIFICATIONS:
- A. INSULATED THROAT CONNECTORS OR PLASTIC BUSHINGS SHALL BE UTILIZED FOR ALL CONDUIT SIZES USED ON THIS PROJECT.
- B. A DEDICATED NEUTRAL CONDUCTOR WILL BE PROVIDED FOR ALL LIGHTING AND POWER
- C. THE CONTRACTOR SHALL LABEL ALL ELECTRICAL EQUIPMENT AS IT IS CALLED OUT IN THE SPECIFICATIONS.
- D. THE CONTRACTOR SHALL PROVIDE SEISMIC SUPPORT AND BRACING FOR ALL ELECTRICAL
- EQUIPMENT AS REQUIRED BY LOCAL AND NATIONAL CODE. 4. THE CONTRACTOR SHALL FOLLOW THE PANELBOARD SCHEDULES AS INDICATED IN THE DRAWINGS. EACH CIRCUIT BREAKER HAS BEEN ASSIGNED A SPECIFIC AREA OF THE BUILDING. NO DEVIATION
- 5. THE CONTRACTOR SHALL INSTALL PROPER WIRE SIZE AS CALLED OUT ON THE PANELBOARD SCHEDULES. HOWEVER, THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE WIRE IS LARGE ENOUGH FOR VOLTAGE DROP.

WILL BE ALLOWED WITHOUT THE APPROVAL FROM THE ELECTRICAL ENGINEER.

- 6. THE CONTRACTOR SHALL VERIFY ALL MECHANICAL OVERCURRENT DEVICES FOR THE ACTUAL MECHANICAL EQUIPMENT SUPPLIED ON THE JOB, PRIOR TO RELEASE OF ANY ELECTRICAL DISTRIBUTION EQUIPMENT. CONTACT THE ELECTRICAL ENGINEER WITH ANY DISCREPANCIES.
- 7. THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING THE BID, AND SHALL EXAMINE ALL PHYSICAL CONDITIONS WHICH MAY BE MATERIAL TO THE PERFORMANCE OF HIS WORK. NO EXTRA PAYMENTS WILL BE ALLOWED TO THE CONTRACTOR AS A RESULT OF EXTRA WORK MADE NECESSARY BY HIS FAILURE TO DO SO. ANY CASE OF DISCREPANCY OR LACK OF CLARITY SHALL BE PROMPTLY IDENTIFIED TO THE OWNER'S REPRESENTATIVE AND THE ENGINEER FOR CLARIFICATION.
- 8. THE CONTRACTOR SHALL MAKE SURE THAT ALL BRANCH CIRCUITS THAT ARE AFFECTED BY THIS PROJECT ARE NOT OVERLOADED. PROVIDE ADDITIONAL BRANCH CIRCUITS FROM ELECTRICAL PANELS AS NECESSARY TO COMPLY WITH THE BRANCH CIRCUIT LOADING REQUIREMENTS. PROVIDE ALL MATERIAL AND LABOR AS NECESSARY FOR A COMPETE AND OPERATING SYSTEM.
- 9. PROVIDE UPDATED, TYPED PANELBOARD SCHEDULE(S) TO REFLECT ALL THE CHANGES MADE INCLUDING EXISTING LOADS. THE EXISTING LOADS SHALL BE NAMED THE SAME AS LISTED ON THE EXISTING PANELBOARD SCHEDULE.

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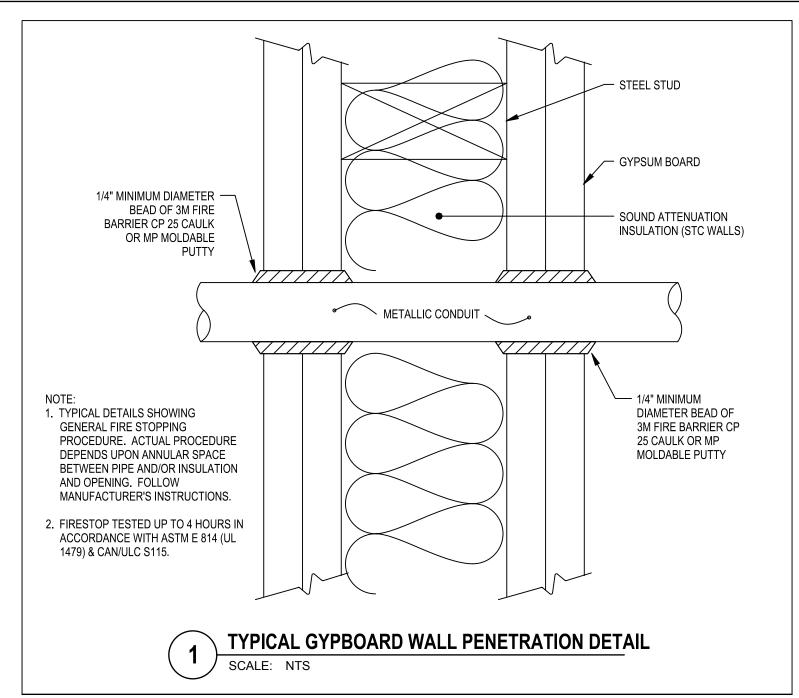
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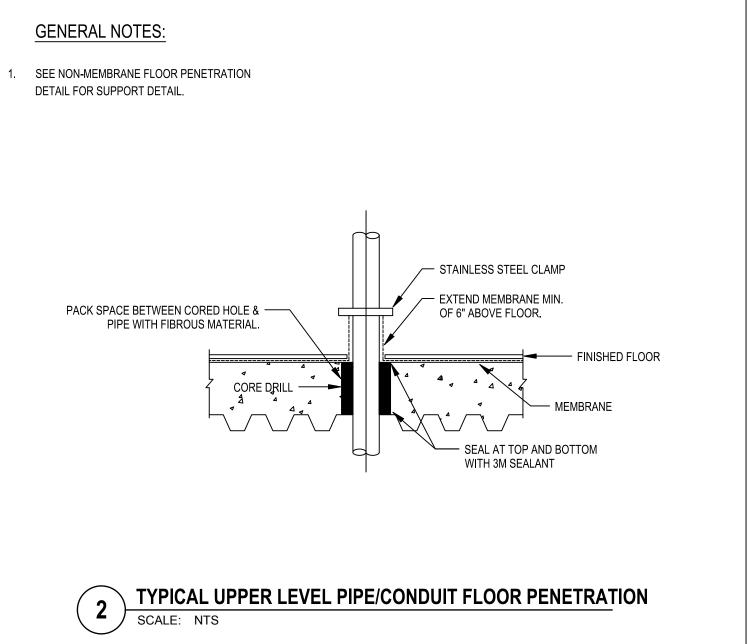
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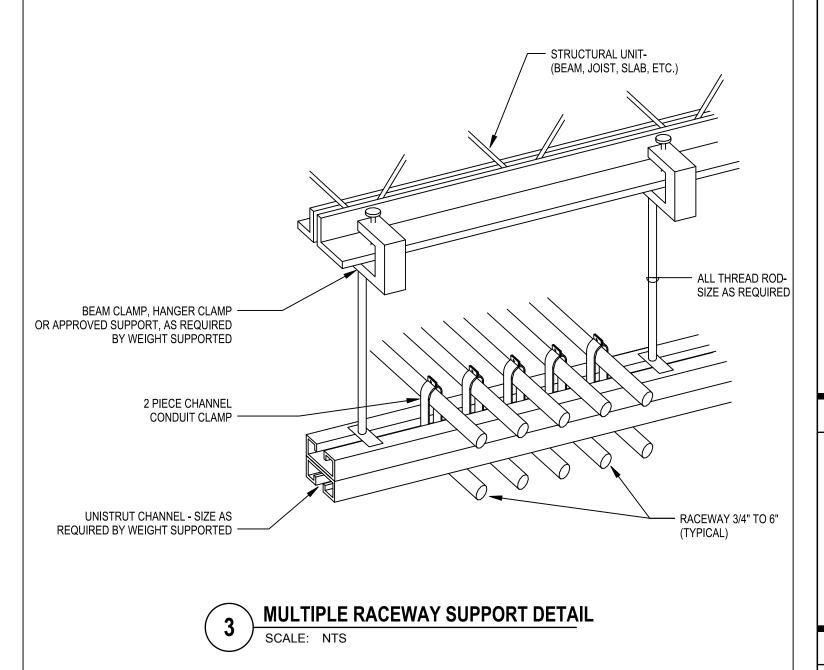
SYMBOLS, SCHEDULES AND NOTES

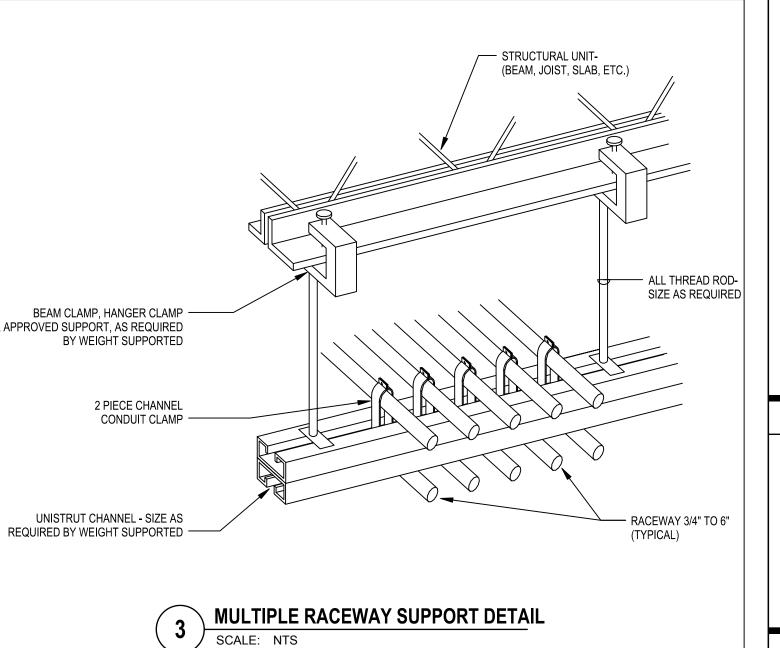
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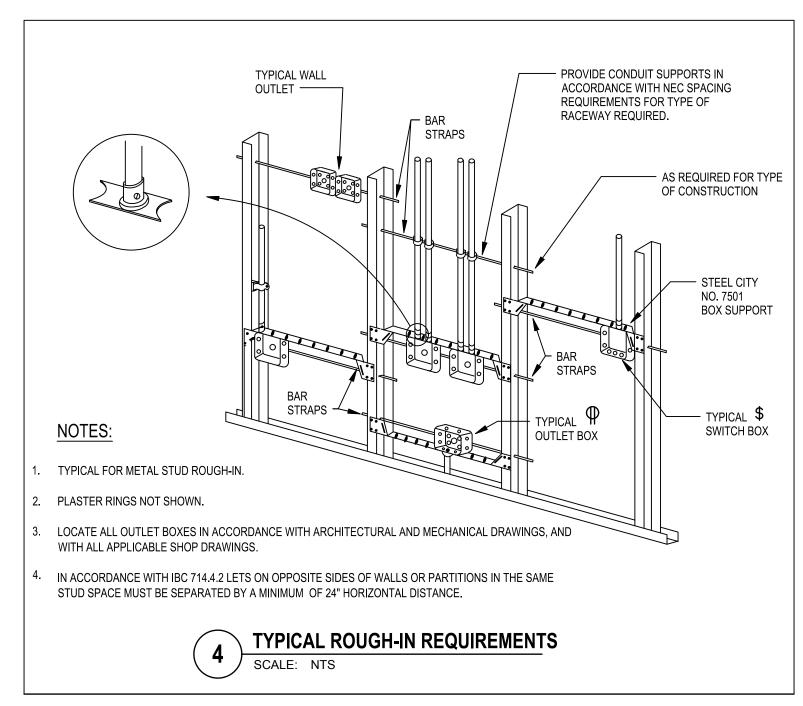
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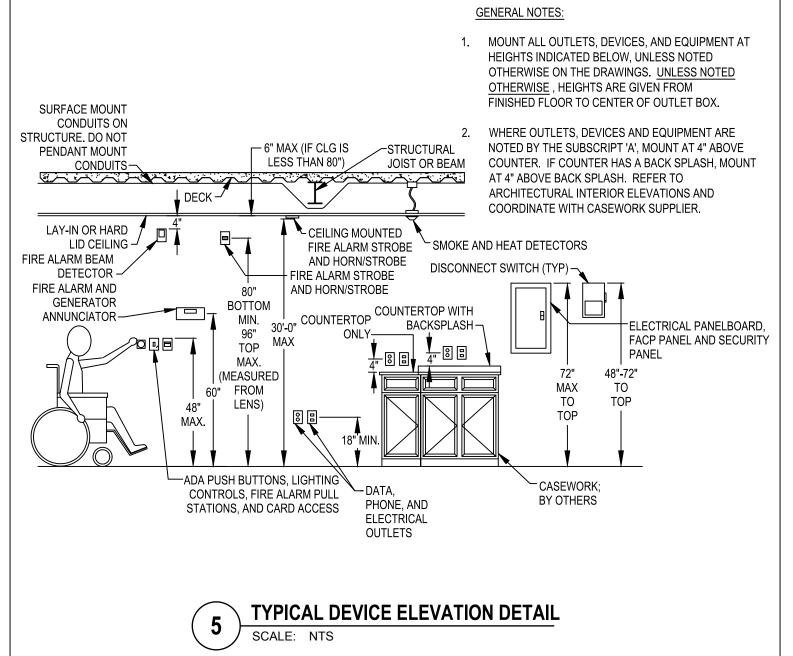


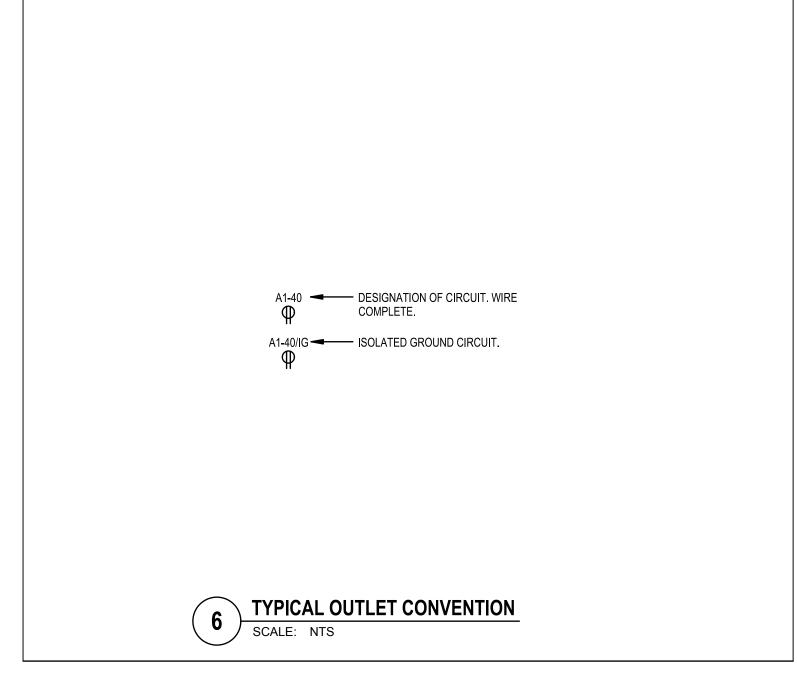


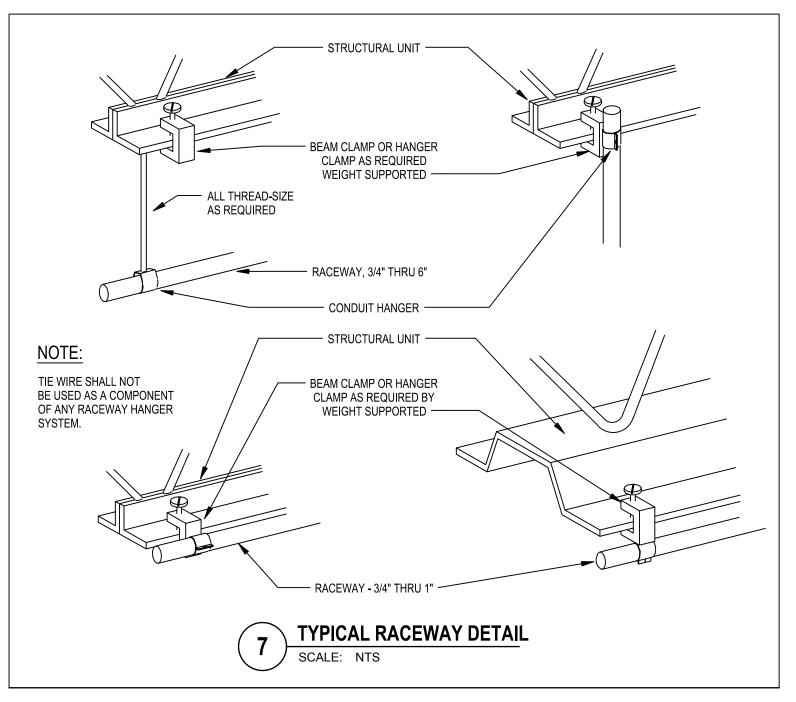


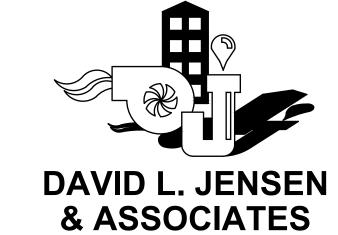












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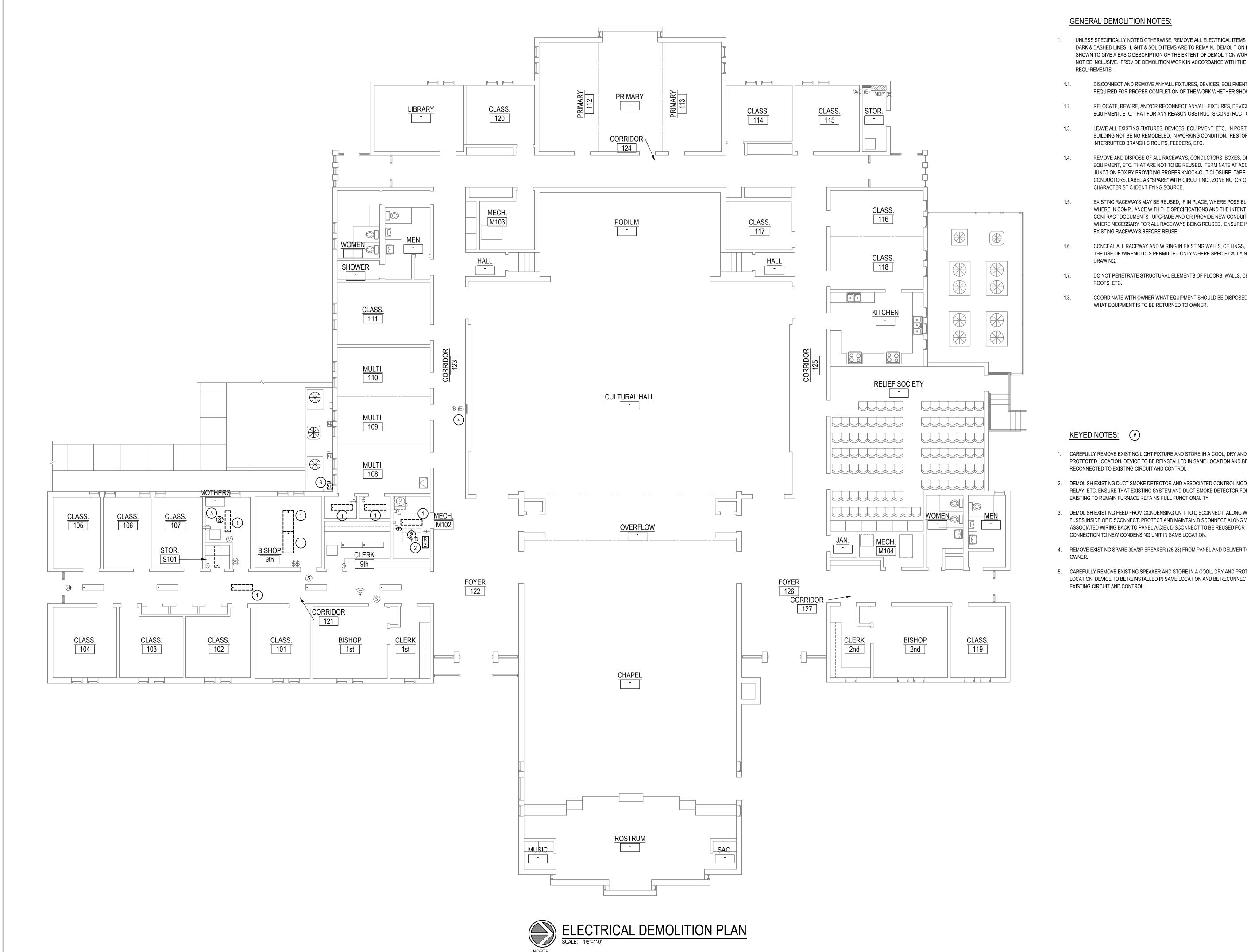
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ELECTRICAL DETAILS

SHEET NUMBERS

EG500



GENERAL DEMOLITION NOTES:

- UNLESS SPECIFICALLY NOTED OTHERWISE, REMOVE ALL ELECTRICAL ITEMS SHOWN IN DARK & DASHED LINES. LIGHT & SOLID ITEMS ARE TO REMAIN. DEMOLITION ITEMS ARE SHOWN TO GIVE A BASIC DESCRIPTION OF THE EXTENT OF DEMOLITION WORK, BUT MAY NOT BE INCLUSIVE. PROVIDE DEMOLITION WORK IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
 - DISCONNECT AND REMOVE ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK WHETHER SHOWN OR NOT.
 - RELOCATE, REWIRE, AND/OR RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.
- LEAVE ALL EXISTING FIXTURES, DEVICES, EQUIPMENT, ETC. IN PORTIONS OF THE BUILDING NOT BEING REMODELED, IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC.
- REMOVE AND DISPOSE OF ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED. TERMINATE AT ACCESSIBLE JUNCTION BOX BY PROVIDING PROPER KNOCK-OUT CLOSURE, TAPE CONDUCTORS, LABEL AS "SPARE" WITH CIRCUIT NO., ZONE NO, OR OTHER CHARACTERISTIC IDENTIFYING SOURCE.
- EXISTING RACEWAYS MAY BE REUSED, IF IN PLACE, WHERE POSSIBLE, AND WHERE IN COMPLIANCE WITH THE SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. UPGRADE AND OR PROVIDE NEW CONDUIT SUPPORTS WHERE NECESSARY FOR ALL RACEWAYS BEING REUSED. ENSURE INTEGRITY OF EXISTING RACEWAYS BEFORE REUSE.
- CONCEAL ALL RACEWAY AND WIRING IN EXISTING WALLS, CEILINGS, FLOORS, ETC. THE USE OF WIREMOLD IS PERMITTED ONLY WHERE SPECIFICALLY NOTED ON
- DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS, CEILINGS,
- COORDINATE WITH OWNER WHAT EQUIPMENT SHOULD BE DISPOSED OF AND WHAT EQUIPMENT IS TO BE RETURNED TO OWNER.

KEYED NOTES:

- 1. CAREFULLY REMOVE EXISTING LIGHT FIXTURE AND STORE IN A COOL, DRY AND PROTECTED LOCATION. DEVICE TO BE REINSTALLED IN SAME LOCATION AND BE RECONNECTED TO EXISTING CIRCUIT AND CONTROL.
- 2. DEMOLISH EXISTING DUCT SMOKE DETECTOR AND ASSOCIATED CONTROL MODULE, RELAY, ETC. ENSURE THAT EXISTING SYSTEM AND DUCT SMOKE DETECTOR FOR
- EXISTING TO REMAIN FURNACE RETAINS FULL FUNCTIONALITY.
- CAREFULLY REMOVE EXISTING SPEAKER AND STORE IN A COOL, DRY AND PROTECTED LOCATION. DEVICE TO BE REINSTALLED IN SAME LOCATION AND BE RECONNECTED TO EXISTING CIRCUIT AND CONTROL.



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WARDS

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MARK	DATE	DESCRIPTION
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ISSUE TY	/PE: (CONSTRUCTION DOCUMENTS
ISSUE DA	 ATE:	JUNE 18. 2020

PROJECT NO: 18107 CAD DWG FILE **ENVISION**

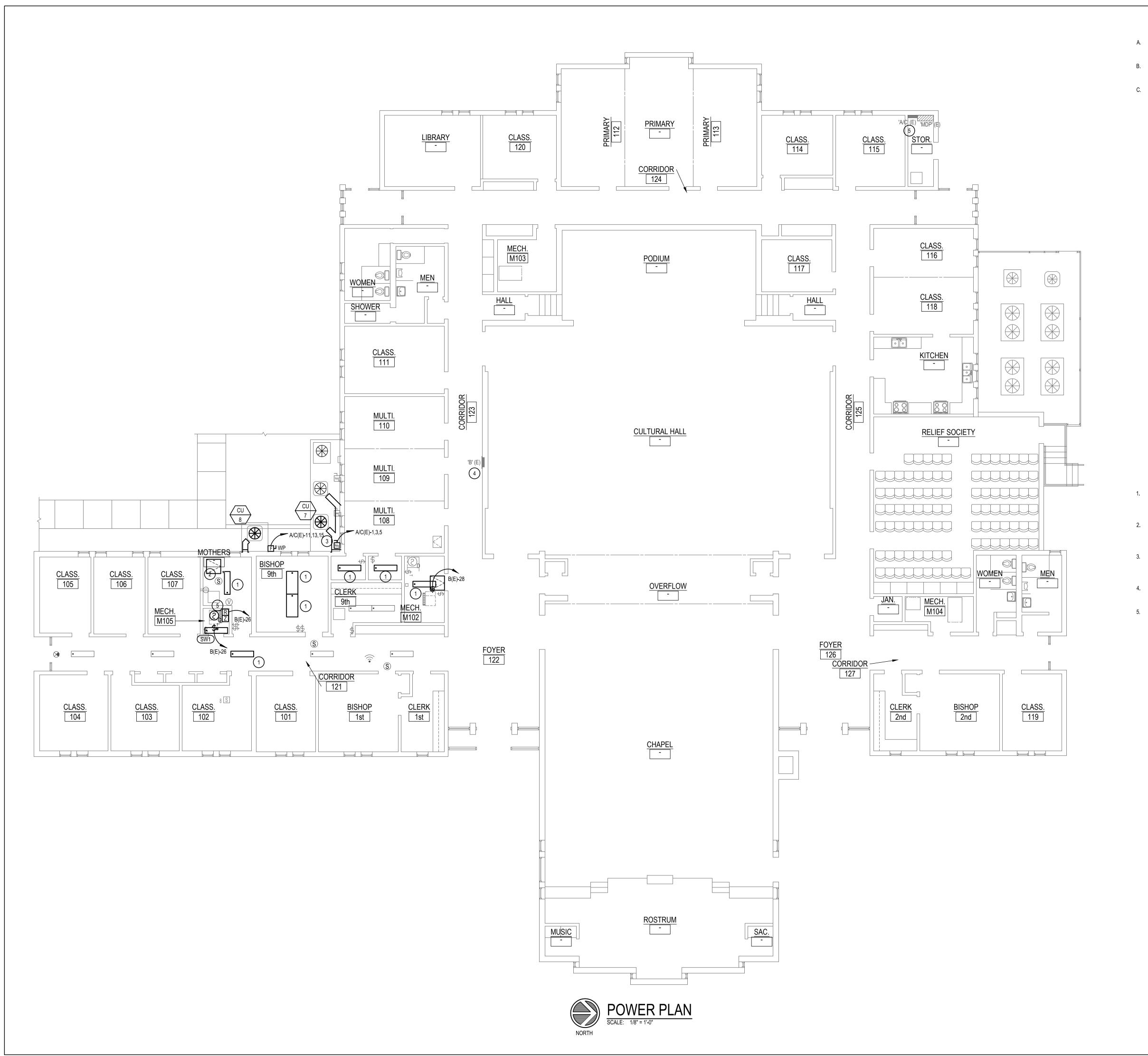
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SHEET TITLE

ELECTRICAL **DEMOLITION PLAN**

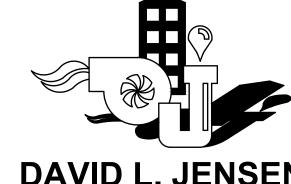
SHEET NUMBERS

ED102



GENERAL NOTES:

- A. CONFIRM ALL ELECTRICAL REQUIREMENTS FOR ALL MECHANICAL EQUIPMENT WITH EQUIPMENT SUPPLIER.
- NEW OVERCURRENT PROTECTIVE DEVICES IN EXISTING EQUIPMENT SHALL BE OF THE SAME MANUFACTURER AND AIC RATING AS THE EQUIPMENT.
- PROVIDE ALL REQUIRED CORE DRILLS, PENETRATIONS, ETC. ALONG WITH SEALING OF PENETRATIONS FOR ALL CONDUIT ROUTING. COORDINATE AND CONFIRM EXACT ROUTING WITH OWNER PRIOR TO ROUGH IN.



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KEYED NOTES:

- 1. REINSTALL EXISTING LIGHT FIXTURE IN SAME LOCATION AS IT WAS PRIOR TO DEMOLITION AND RECONNECT TO EXISTING CIRCUIT AND CONTROL. PROVIDE ALL REQUIRED CONDUIT, WIRING, ETC. AS REQUIRED.
- 2. REINSTALL EXISTING SPEAKER IN SAME LOCATION AS IT WAS PRIOR TO DEMOLITION AND RECONNECT TO EXISTING CIRCUIT AND CONTROL. PROVIDE ALL REQUIRED CONDUIT, WIRING, ETC. AS REQUIRED.
- PROVIDE NEW CONNECTION FROM EXISTING DISCONNECT TO NEW CONDENSING UNIT INCLUDING ALL REQUIRED CONDUIT AND WIRE. PROVIDE NEW FUSES IN EXISTING DISCONNECT SIZED APPROPRIATELY FOR NEW UNIT.
- 4. PROVIDE (2) NEW 30A/1P BREAKERS IN EXISTING GE TYPE NLTQ STYLE 5 PANELBOARD. NEW BREAKERS TO MATCH EXISTING PANEL AIC RATINGS.
- 5. PROVIDE NEW 30A/3P BREAKER IN EXISTING SQUARE-D PANELBOARD. NEW BREAKER TO BE OF SAME MANUFACTURER AND TO MATCH EXISTING PANEL AIC RATINGS.

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CONSTRUCTION DOCUMENTS

JUNE 18, 2020 ISSUE DATE: 18107 PROJECT NO: CAD DWG FILE: DRAWN BY: **ENVISION**

CHECKED BY:

SHEET TITLE

ISSUE TYPE:

POWER PLAN

SHEET NUMBERS

EP102

				LIGHT FIX	(TURE S	CHEDULE					
TYPE	MANUFACTURER	SERIES	DESCRIPTION	VOLTAGE	LOAD (VA)	MOUNTING	NUMBER	LAMPS TYPE	COLOR (KELVIN)	CRI	REMARKS
SW1	LITHONIA	ZL1N	48" STRIP LIGHT 3,000 LUMENS / FROSTED ACRYLIC DIFFUSER 0-10 VOLT DIMMING-10%	120	15	SURFACE	A/R	LED	3000	80	
	ABBR	EVIATION SCHE	DULE				LIGHT FIXTU	JRE GENERAL NOTES	•		
	A.F.F.	ABOVE FINISHED	FLOOR			REFER TO THE A	RCHITECTURAI	L REFLECTED CEILING PLANS FOR LOCATI	ONS OF LIGHT FIXUTURE	S. BRING	

WALL@CLG. WALL MOUNT AT CORNER OF WALL AND CEILING CCBA CUSTOM PAINTED COLOR AS SELECTED BY THE ARCHITECT SCBA STANDARD PAINTED COLOR AS SELECTED BY THE ARCHTECT CFBA CUSTOM FINISH AS SELECTED BY THE ARCHITECT SFBA MOD STANDARD FINISH AS SELECTED BY THE ARCHITECT MODIFY STANDARD LIGHT FIXTURE AS INDICATED BALLAST FACTOR THD TOTAL HARMONIC DISTORTION UNIV N/A

INCL

MVOLT

SHALL BE REJECTED.

ISSUANCE OF THE ADDENDUM(S) MAY NOT BE GIVEN.

UNIVERSAL NOT APPLICABLE INCLUDED WITH FIXTURE MULTI-TAP BALLAST MULTI-VOLT BALLAST

LIGHT FIXUTRE PRIOR APPROVAL REQUIREMENTS

- PRIOR APPROVAL IS REQUIRED BEFORE BIDDING THIS PROJECT PRIOR APPROVALS SHALL BE SUBMITTED TO THE ELECTRICAL ENGINEER'S OFFICE AT LEAST (8) WORKING DAYS BEFORE BID TIME. PRIOR APPROVALS RECEIVED AFTER THIS TIME PERIOD
- PRIOR APPROVALS SHALL BE SIGNED BY A PRINCIPAL OF THE SUBMITTING ORGANIZATION STATING THAT THEY HAVE PREPARED AND/OR REVIEWED THE SUBMITTALS AND THAT THE PROJECTS PROPOSED ARE EQUIVALENT TO THOSE SPECIFIED. ANY EXCEPTIONS SHALL BE SO NOTED.
- ITEMS THAT ARE SUBMITTED AND HAVE BEEN APPROVED WILL BE LISTED IN THE ADDENDUM(S). VERBAL APPROVALS WILL NOT BE GIVEN ON ANY ITEM. IT IS NOT THE RESPONSIBILITY OF THE ELECTRICAL ENGINEER TO NOTIFY THE SUBMITTING PARTY OF

ERRORS IN THE SUBMITTAL. NOTIFICATION OF ERRORS BY THE ELECTRICAL ENGINEER PRIOR TO

PRIOR APPROVALS SHALL CONSIST OF TWO SETS OF CUT SHEETS DESCRIBING THE PRODUCTS BEING SUBMITTED AS EQUIVALENTS. FAXES ARE NOT ACCEPTABLE. ALL SPECIFICATION INFORMATION SHALL BE CLEARLY MARKED, WITH NON-APPLICALBE INFORMATION CROSSED OUT. COMPLETE PHOTOMETRIC DATA SHALL BE PROVIDED. PRODUCTS WITHOUT PHOTMETRIC DATA WILL NOT BE APPROVED.

ALL DISCREPANCIES OF LOCATIONS AND QUANTITIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO

REFER TO THE ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS AND LOCATIONS OF LIGHT FIXTURES. BRING ALL DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING.

REFER TO THE SPECIFICATIONS FOR OTHER LIGHT FIXTURE, BALLAST, AND LAMP REQUIREMENTS AND ACCEPTABLE MANUFACTURERS. THOSE LISTED IN LIGHTING FIXTURE SCHEDULE. REFER TO ARCHITECTURAL DRAWINGS FOR LOUVER REQUIREMENTS (IF ANY).

CONFIRM AVAILABLE MOUNTING DEPTHS OF ALL LIGHT FIXTURES AND COMPARE WITH DEPTHS SHOWN ON SHOP DRAWING. BRING ALL POTENTIAL CONFLICT AREAS TO THE ATTENDTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO RELEASE.

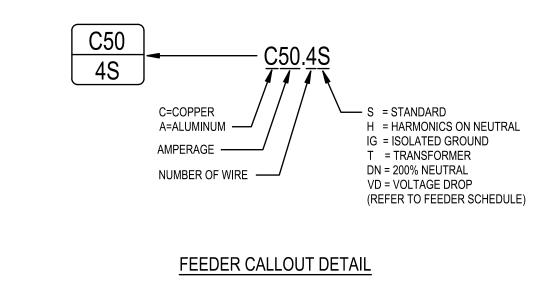
BIDDING REQUIREMENTS

BID ONLY PRODUCTS THAT ARE SPECIFIED OR APPROVED BY ADDENDUM. PACKAGING OF LIGHT FIXTURES WITH OTHER SYSTEMS IS NOT ALLOWED.

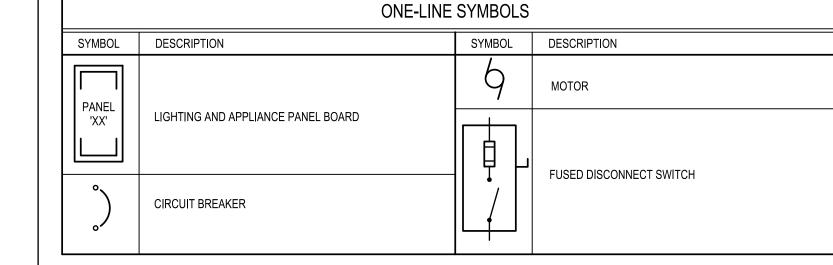
WHEN ONLY ONE PRODUCT IS APPROVED FOR BIDDING, THE PRICE FOR THAT ITEM SHALL BE BROKEN OUT SEPARATELY WHEN SUBMITTING PRICING TO VARIOUS DISTRIBUTORS AND/OR CONTRACTOR.

WHEN A CONTRADICTION EXISTS BETWEEN A SPECIFIC MODEL NUMBER AND THE DESCRIPTION, THE DESCRIPTION SHALL GOVERN.

REFER TO INSTRUCTIONS TO BIDDER LOCATED IN DIVISION 0 SPECIFICATION.

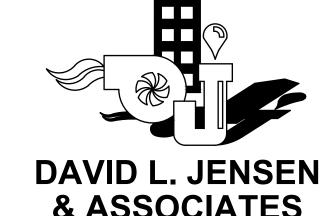


		FE	EDE	R SCHEDUL	E		
	# OF	CONDUIT	СО	NDUCTOR		ISOLATED	SYSTEM BONDING
FEEDER	SETS	DIAMETER	#	SIZE	COND	GROUND	JUMPER
C30.2S	1	0.75	2	10	10	-	-
C30.3VD1	1	1	3	8	8	-	-



KEYED NOTES:

- 1. DEMOLISH EXISTING FEED FROM CONDENSING UNIT TO DISCONNECT, ALONG WITH FUSES INSIDE OF DISCONNECT. PROTECT AND MAINTAIN DISCONNECT ALONG WITH ASSOCIATED WIRING BACK TO PANEL A/C(E). DISCONNECT TO BE REUSED FOR CONNECTION TO NEW CONDENSING UNIT IN SAME LOCATION.
- 2. REMOVE EXISTING SPARE 30A/2P BREAKER (26,28) FROM PANEL AND DELIVER TO OWNER.
- 3. PROVIDE NEW CONNECTION FROM EXISTING DISCONNECT TO NEW CONDENSING UNIT INCLUDING ALL REQUIRED CONDUIT AND WIRE. PROVIDE NEW FUSES IN EXISTING DISCONNECT SIZED APPROPRIATELY FOR NEW UNIT.
- 4. PROVIDE (2) NEW 30A/1P BREAKERS IN EXISTING GE TYPE NLTQ STYLE 5 PANELBOARD. NEW BREAKERS TO MATCH EXISTING PANEL AIC RATINGS.
- 5. PROVIDE NEW 30A/3P BREAKER IN EXISTING SQUARE-D PANELBOARD. NEW BREAKER TO MATCH EXISTING PANEL AIC RATINGS.



& ASSOCIATES

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505056119010101 PROPERTY NUMBER:

DESCRIPTION

CONSTRUCTION DOCUMENTS ISSUE TYPE: ISSUE DATE: JUNE 18, 2020 18107 PROJECT NO: CAD DWG FILE:

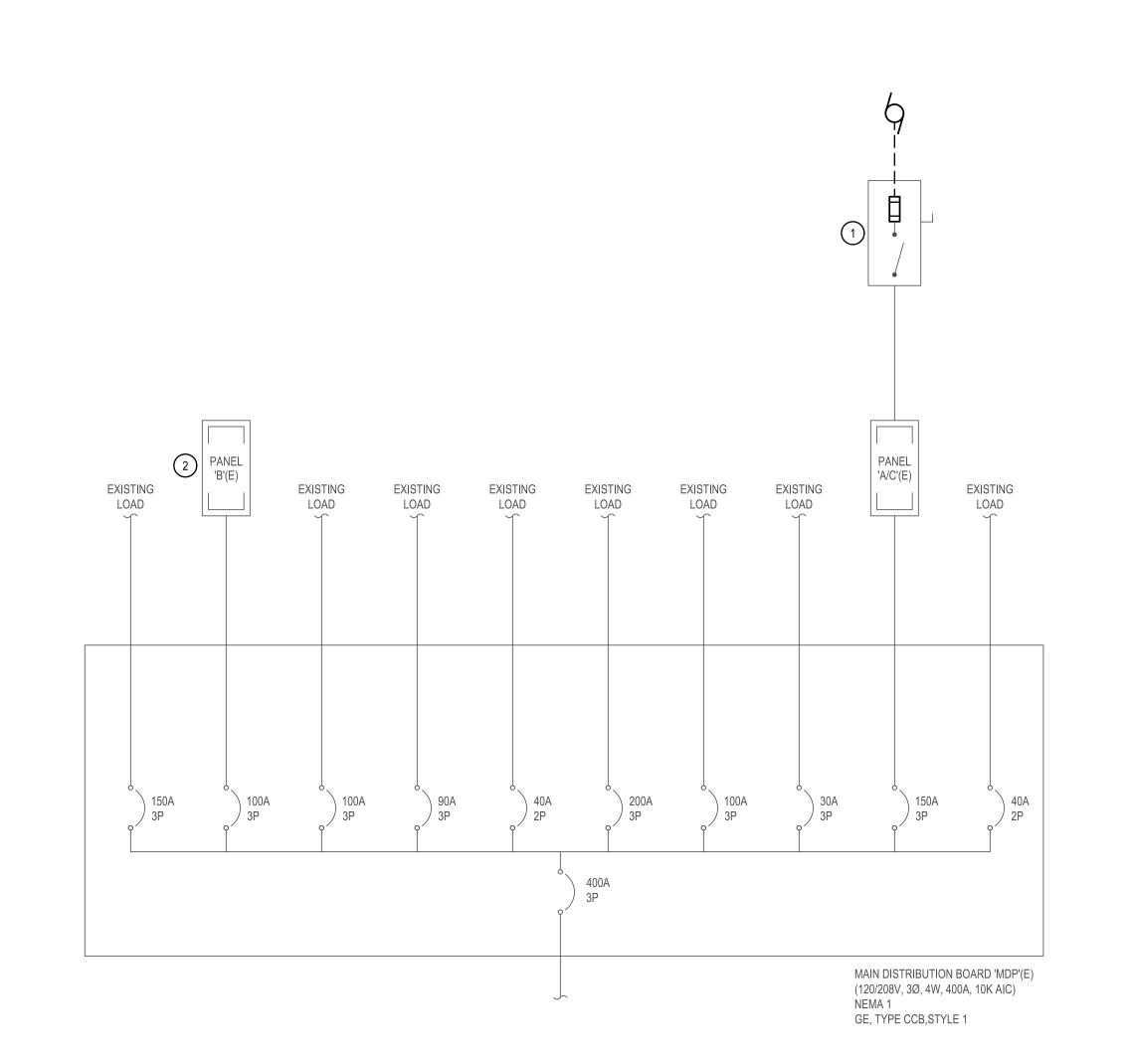
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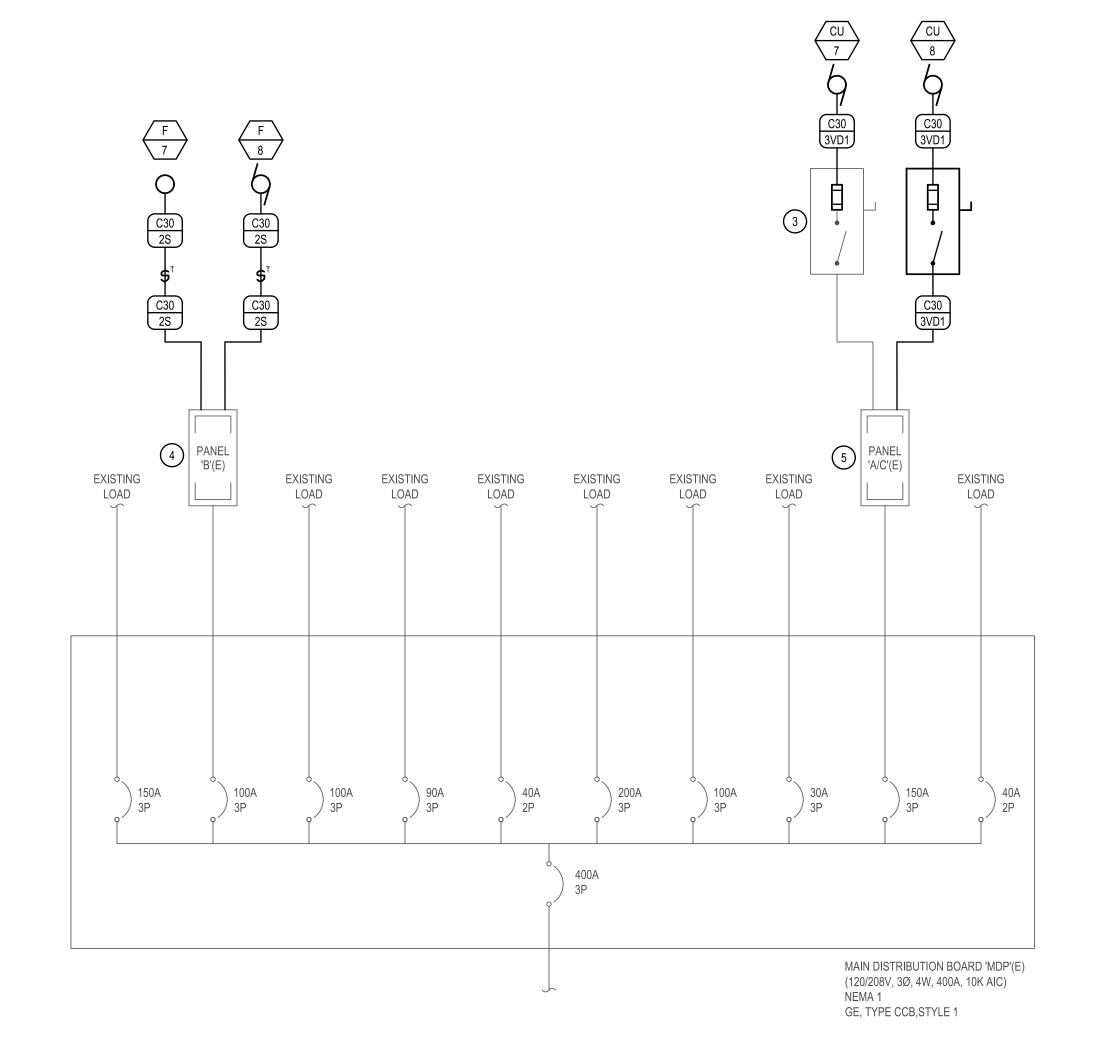
SHEET TITLE

ONE LINE DIAGRAM

SHEET NUMBERS

EP700





						PANELBOA	RD SC	HED	JLE								
	PANEL NAME: B(E)-EXIST MOUNTING: RECESSED ENCLOSURE: NEMA 1 DOOR STYLE: STANDARD	TAGE: HASE: WIRE: ATING:	208Y/120 3 4	SPD: NONE NEUTRAL: 100% RATED BRANCH OCP TYPE: BOLT-ON CBs ISOLATED GROUND: NO													
KEYED	MANUFACTURER: GE, TYPE NLTQ, S	BREA	VKED	LOAD	CKT	CONNECTE		SE (\/A\		CKT	LOAD	BREA	KED		KEYED		
NOTE	CIRCUIT DESCRIPTION	AMPS			I L	A	B	JL (VA)		#			POLE	CIRCUIT DESCRIPTION	NOTE		
9	SOUTH CORRIDOR/EQPT LIGHTS	20	1	1	1		<u> </u>			2		20	1	ROOMS 109, 110 LIGHTS	9		
9	ENTRANCE AND FOYER LIGHT	20	1		3					4		20	1	108, BISHOP'S, CLERKS, LIGHTS	9		
9	RESTROOM LIGHTS AND FAN	20	.		5					6		20	1	CLERKS, HALL , 101 LIGHTS	9		
9	MATERIALS, PRIMARY, ROOM 1 LIGHTS	20	<u> </u>		7					8		20	1	111 ERCPT	9		
9	MATERIALS, CORRIDOR, MEN'S RECPT	20	1		9					10		20	1	ENTRANCE, FOYER, CLERKS RECPT	9		
9	MATERIALS, NEXT ROOM RECPT	20	1		11					12		20	1	101, CLERKS RECPT	9		
9	PRIMARY RECPT, EWC	20	1		13					14		20	3	WEST CLASS FURNACE	9		
9	4 TON AC UNIT	30	3		15					16		-	-	-			
	-	-	-		17					18		-	-	-			
	-	-	-		19					20		20	1	HEAT TAPE, BELL	9		
9	EAST FURNACES	30	2		21					22		20	1	HALL RECPT	9		
	-	-	-		23					24		20	1	EXISTING LOAD	9		
9	RPP,S 105, 106, 107	20	1		25					26		30	2	SPARE	10		
9	EXISTING LOAD	20	1		27					28		-	-	-			
9	EXISTING LOAD	20	1		29					30		20	1	HEAT TAPE	9		
	TOTAL CONNEC TOTAL ESTIMATED DEN TOTAL ESTIMATED DEMAN	MAND LC	AD PE	R PHASI	E (VA):[
TYPE	LOAD CLASSIFICATION	CC	NNECT	TED LOA	VD	DEMAND FACTOR	ESTI	MATED DE	MAND					PANEL TOTALS			
Р	SUB-PANEL		SUB-F	PANEL L	OADS E	ROKEN OUT BY LOAD (CLASIFICATI	ON BELOW	<i>i</i>								
R	RECEPTACLES		-	•		-		-						TOTAL CONNECTED LOAD: VA			
L	LIGHTING		-	-		-		-						25% OF LARGEST MOTOR: -			
С	CONTINUOUS			•		-		-					TOTAL	ESTIMATED DEMAND LOAD: VA			
Е	EQUIPMENT					-		-			TOTAL E	STIMA	TED DEI	MAND BALANCED CURRENT: AMPS			
М	MOTOR		-	•		-		-		MAXIMUM ESTIMATED DEMAND PHASE CURRENT: AMPS							
K	KITCHEN					-		-									
	OTHER					-		-									

						PAN	ELBO	DARI	D SCI	HEDI	JLE											
	PANEL NAME: B(E)-NEW MOUNTING: RECESSED ENCLOSURE: NEMA 1 DOOR STYLE: STANDARD MANUFACTURER: GE, TYPE NLTQ, S	208Y/120 3 4 10KA				MAII BUS M BUS	NS TYPE: ATERIAL: RATING: RATING:	COPP 225 A	MPS			SPD: NONE NEUTRAL: 100% RATE BRANCH OCP TYPE: BOLT-ON C ISOLATED GROUND: NO										
KEYED	100 (100 / 1	BRE/	KER	LOAD	CKT.		CONNE	CTED LO	DAD/PHAS	E (VA)		CKT.	LOAD	BREA	KER		KEYED					
NOTE	CIRCUIT DESCRIPTION	AMPS		TYPE		A	.		В	_ (,		#		AMPS		CIRCUIT DESCRIPTION	NOTE					
9	SOUTH CORRIDOR/EQPT LIGHTS	20	1		1							2		20	1	ROOMS 109, 110 LIGHTS	9					
9	ENTRANCE AND FOYER LIGHT	20	1		3							4		20	1	108, BISHOP'S, CLERKS, LIGHTS	9					
9	RESTROOM LIGHTS AND FAN	20	1		5							6		20	1	CLERKS, HALL, 101 LIGHTS	9					
9	MATERIALS, PRIMARY, ROOM 1 LIGHTS	20	1		7							8		20	1	111 ERCPT	9					
9	MATERIALS, CORRIDOR, MEN'S RECPT	20	1		9							10		20	1	ENTRANCE, FOYER, CLERKS RECPT	9					
9	MATERIALS, NEXT ROOM RECPT	20	1		11							12		20	1	101, CLERKS RECPT	9					
9	PRIMARY RECPT, EWC	20	1		13							14		20	3	WEST CLASS FURNACE	9					
9	4 TON AC UNIT	30	3		15							16		-	-	-						
	-	-	-		17							18		ı	-	-						
	•	-	-		19							20		20	1	HEAT TAPE, BELL	9					
9	EAST FURNACES	30	2		21							22		20	1	HALL RECPT	9					
	-	-	-		23							24		20	1	EXISTING LOAD	9					
9	RPP,S 105, 106, 107	20	1		25		1,920					26	M	30	1	FURNACE F-8	8					
9	EXISTING LOAD	20	1		27				1,920			28	M	30	1	FURNACE F-7	8					
9	EXISTING LOAD	20	1		29							30		20	1	HEAT TAPE	9					
	TOTAL CONNEC				· / L	1,920		1,920														
	TOTAL ESTIMATED DEN								920													
	TOTAL ESTIMATED DEMAN	ID LOAD	PER PI	HASE (A	\MPS):[20)	1	6													
TYPE	LOAD CLASSIFICATION	CC	NNECT	ED LOA	D	DEMA	AND FACT	OR	ESTIM	ATED DE	MAND					PANEL TOTALS						
Р	SUB-PANEL		SUB-P	ANEL LO	DADS E	BROKEN C	OUT BY LC	AD CLA	SIFICATIO	N BELOW	1											
R	RECEPTACLES		-				-			-						TOTAL CONNECTED LOAD: 3,840 VA						
L	LIGHTING		-				-			-						25% OF LARGEST MOTOR: 480 VA						
С	CONTINUOUS	-											TOTAL ESTIMATED DEMAND LOAD: 4,320 VA									
Е	EQUIPMENT	-											TOTAL E	ESTIMA [*]	TED DE	MAND BALANCED CURRENT: 12 AMPS						

100%

100%

						PAN	IELB	OARI	D SC	HEDI	JLE						
	PANEL NAME: AC(E)-EXIS MOUNTING: SURFACE ENCLOSURE: NEMA 1 DOOR STYLE: STANDARD MANUFACTURER: SQUARE-D	ŝΤ	MIN.	Р	PHASE: WIRE:	208Y/120 3 4				MAI BUS M BUS	NS TYPE: ATERIAL: RATING: RATING:	: COPF : 150 A	MPS			SPD: NONE NEUTRAL: 100% RATE BRANCH OCP TYPE: BOLT-ON O ISOLATED GROUND: NO	
KEYED			AKER	LOAD			CONN	IECTED LO	DAD/PHAS	SE (VA)		CKT.	LOAD BREA			OIDQUIT DECODIDEION	KEYED
NOTE	CIRCUIT DESCRIPTION		POLE		#		4		В	(2	#	TYPE		POLE	CIRCUIT DESCRIPTION	NOTE
11	EAST WING A/C	50	3	M	1	4,776	4,776					2	M	50	3	WEST WING A/C	9
			-	M	3			4,776	4,776			4	M	-	-	<u>-</u>	
	<u>-</u>		-	M	5					4,776	4,776	6	M	-	-	-	
9	CHILDREN MEETING ROOM	20	2	M	7	1,248	1,248					8	M	20	2	CHILDREN MEETING ROOM	9
	SOUTH A/C			M	9			1,248	1,248			10	M	-	-	NORTH A/C	
	SPACE ONLY	20	1		11							12		20	1	SPACE ONLY	
	SPACE ONLY	20	11		13							14		20	1	SPACE ONLY	
	SPACE ONLY	20	1		15							16		20	1	SPACE ONLY	_
					!												
				<u> </u>	!												
	TOTAL CONNE							12,048		9,552							
	TOTAL ESTIMATED DE						242		242	 	746	_					
	TOTAL ESTIMATED DEMA	'ND LOAD) PER P	HASE (A	۱MPS):	11	10	<u> </u>	10	į g	0						
		,															
TYPE	LOAD CLASSIFICATION	TCC	ONNECT	ED LOA	<u>ال</u>	DEM	IAND FAC	TOR	ESTIN	ATED DE	MAND					PANEL TOTALS	
P	SUB-PANEL	+						OAD CLAS									
R	RECEPTACLES		-				-	<u> </u>		-						TOTAL CONNECTED LOAD: 33,648 VA	
L	LIGHTING									-						25% OF LARGEST MOTOR: 3,582 VA	
C	CONTINUOUS		-				-			-					TOTAL	ESTIMATED DEMAND LOAD: 37,230 VA	
Ē	EQUIPMENT						-			-			TOTAL	ESTIMA		MAND BALANCED CURRENT: 103 AMPS	
М	MOTOR		33,648	8 VA			100%			33.648 VA	1					DEMAND PHASE CURRENT: 110 AMPS	
K	KITCHEN						-			-						• • • • • • • • • • • • • • • • • • • •	
	OTHER		-				-			-							

						PAN	IELB	OARI	D SC	HEDI	JLE							
	PANEL NAME: AC(E)-NEW MOUNTING: SURFACE ENCLOSURE: NEMA 1 DOOR STYLE: STANDARD MANUFACTURER: SQUARE-D	TAGE: HASE: WIRE: ATING:	208Y/120 3 4				MAII BUS M BUS	NS TYPE: ATERIAL: RATING: RATING:	COPP 150 AM	/IPS			SPD: NONE NEUTRAL: 100% RATED BRANCH OCP TYPE: BOLT-ON CBs ISOLATED GROUND: NO					
KEYED		BREA	AKER	LOAD	CKT.		CONN	ECTED LO	DAD/PHAS	SE (VA)		CKT.	LOAD	BREA	KER		KEYED	
NOTE	CIRCUIT DESCRIPTION		POLE		#	ļ.			B		<u> </u>	#		AMPS		CIRCUIT DESCRIPTION	NOTE	
	EAST WING A/C - CU-7	50	3	М	1	2,136	4,776					2	М	50	3	WEST WING A/C	9	
	-	-	-	М	3	,	·	2,136	4,776			4	М	-	_	-		
	-	-	-	М	5					2,136	4,776	6	М	-	-	-		
9	CHILDREN MEETING ROOM	20	2	М	7	1,248	1,248				·	8	М	20	2	CHILDREN MEETING ROOM	9	
	SOUTH A/C	-	-	М	9		·	1,248	1,248			10	М	-	-	NORTH A/C		
8	SOUTHEAST A/C - CU-8	30	3	М	11					2,568		12		20	1	SPACE ONLY		
	-	20	1	М	13	2,568						14		20	1	SPACE ONLY		
	-	20	1	M	15			2,568				16		20	1	SPACE ONLY		
	TOTAL CONNE	CTED LO	DAD PER	R PHASE		11.976		11,976		9,480							 	
	TOTAL ESTIMATED DE				٠,		170		170	10,	674							
	TOTAL ESTIMATED DEMA								10	·	9]						
TVDE	LOAD OLAGOIFICATION		NINIEGT	EDICA	D.	DEM	ANDEAG	TOD	FOTIN	44TED DE	MANID					DANIEL TOTAL O		
TYPE	LOAD CLASSIFICATION	+ CC	ONNECT				AND FAC		1	MATED DE						PANEL TOTALS		
P	SUB-PANEL		20B-P	ANEL L	JADS I	SKUKEN (JOI BY L	UAD CLA	SIFICATIC	N BELOV	l .					TOTAL CONNECTED LOAD, 22 422 V	۸	
R	RECEPTACLES		-				-			-						TOTAL CONNECTED LOAD: 33,432 V/		
<u> </u>	LIGHTING		-				-		-	-		25% OF LARGEST MOTOR: 3,582 VA						
С	CONTINUOUS	1	-				-			-					TOTAL	L ESTIMATED DEMAND LOAD: 37,014 V	1	

3,840 VA

33,432 VA

-

UNIT																Т		
NAME	DESCRIPTION	LOAD	TYPE	VOLTAGE	PHASE	AMPERAGE	SIZE			EQPT			OCP		DISCON	NECT		
								NO.	SIZE	GND	NOTE	STARTER SIZE	SIZE	POLES	SIZE	POLES	ENCLOSURE	REMARKS
F-7	FURNACE	1	HP	120	1	16	3/4"	2	10	10	2A				1	HP	NEMA 1	1
F-8	FURNACE	1 1	HP	120	1	16	3/4"	2	10	10	2A				1	HP	NEMA 1	1
CU-7	CONDENSING UNIT	17.8	MCA	208	3	17.8	1"	3	8	8	10A		30	3	30	3	NEMA 3R	1
CU-8	CONDENSING UNIT	21,4	MCA	208	3	21,4	1"	3	8	8	10A		30	3	30	3	NEMA 3R	1

10. FUSED DISCONNECT SWITCH

13. DUPLEX RECEPTACLE OUTLET

15. SHUNT-TRIP BREAKER AND ENCLOSURE

11. BREAKER AND ENCLOSURE

14. SPECIAL PURPOSE OUTLET

12. DIRECT CONNECTION

16. TOGGLE SWITCH

17. MAGNETIC STARTER

STARTER / DISCONNECT NOTES:

1. MANUAL STARTER WITH THERMAL OVERLOAD

2. MANUAL STARTER WITH THERMAL OVERLOAD PROTECTION & LOW VOLTAGE RELAY / CONTACTOR FOR ATC CONTROL

3. COMBINATION MAGNETIC STARTER / FUSED DISCONNECT
4. COMBINATION MAGNETIC STARTER / MOTOR CIRCUIT PROTECTOR (MCP)

5. COMBINATION VARIABLE FREQUENCY DRIVE / MOTOR CIRCUIT PROTECTOR (MCP)

6. REDUCED VOLTAGE STARTER

7. COMBINATION TWO-SPEED STARTER / FUSED DISCONNECT
8. COMBINATION TWO-SPEED STARTER / MOTOR CIRCUIT PROTECTOR (MCP)

9. NON-FUSED DISCONNECT SWITCH

INSTALLATION NOTES:

K

A. FURNISHED, INSTALLED, & CONNECTED UNDER DIVISION 26.

EQUIPMENT MOTOR

KITCHEN

OTHER

MOTOR

KITCHEN OTHER

3,840 VA

33,432 VA

B. FURNISHED & INSTALLED UNDER ANOTHER DIVISION REQUIRING CONNECTIONS UNDER DIVISION 26.

C. FURNISHED UNDER ANOTHER DIVISION BUT INSTALLED

AND CONNECTED UNDER DIVISION 26. D. FURNISHED, INSTALLED, & CONNECTED UNDER ANOTHER DIVISION

E. FURNISHED BY OWNER, INSTALLED & CONNECTED BY DIVISION 26

18. BUSSMANN ELEVATOR POWER MODULE
19. NON-FUSED DISCONNECT SWITCH WITH LATE-MAKE/EARLY BREAK CONTACT

REMARKS:

1. MAKE ALL REQUIRED CONNECTIONS FROM DISCONNECT TO UNIT.

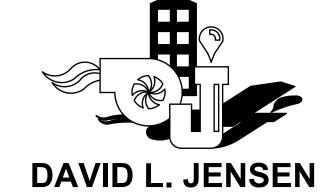
PANEL LEGEND

MAXIMUM ESTIMATED DEMAND PHASE CURRENT: 20 AMPS

TOTAL ESTIMATED DEMAND BALANCED CURRENT: 103 AMPS

MAXIMUM ESTIMATED DEMAND PHASE CURRENT: 110 AMPS

PANELBOARD SCHEDULE KEYED NOTES: 1. PROVIDE CLASS A GROUND FAULT INTERRUPTER TYPE CIRCUIT BREAKER. 2. PROVIDE ARC FAULT CIRCUIT INTERRUPTER TYPE CIRCUIT BREAKER. 3. PROVIDE 30 MILLIAMPERE EQUIPMENT GROUND FAULT PROTECTOR TYPE CIRCUIT BREAKER. 4. PROVIDE SHUNT-TRIP TYPE CIRCUIT BREAKER WITH 120V COIL. 5. PROVIDE HACR RATED CIRCUIT BREAKER.	B(E)-EXIST	B(E)-NE
6. PROVIDE HANDLE CLAMP FOR HOLDING CIRCUIT BREAKER IN THE "ON" OR "OFF" POSITION. 7. PROVIDE SWITCHING RATED CIRCUIT BREAKER. 8. PROVIDE NEW CIRCUIT BREAKER IN EXISTING PANELBOARD (WHERE PANEL IS INDICATED AS EXISTING) OF SAME MANUFACTURER AND A.I.C. RATING AS EXISTING. 9. EXISTING LOAD. 10. REMOVE EXISTING BREAKER FROM EXISTING PANEL. 11. EXISTING LOAD TO BE REPLACED BY NEW. NO CHANGE TO BREAKER.	AC(E)-NEW	AC(E)-NE



& ASSOCIATES

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CONSULTANTS



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STAMP



SALEM 1, 2 & 9 WARDS
SALEM UT WEST STAKE
PROPERTY NUMBER: 505056119010101
60 SOUTH MAIN STREET
SALEM, UTAH 84653

ALEM

MARK	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
ISSUE TYPE: (CONSTRUCTION DOCUMENTS
ISSUE DATE:		JUNE 18, 2020
PROJECT NO:		18107
CAD DWG FILE:		
DRAWN BY:		ENVISION

SHEET TITLE

CHECKED BY:

PANEL BOARD SCHEDULES

SHEET NUMBERS

EP800