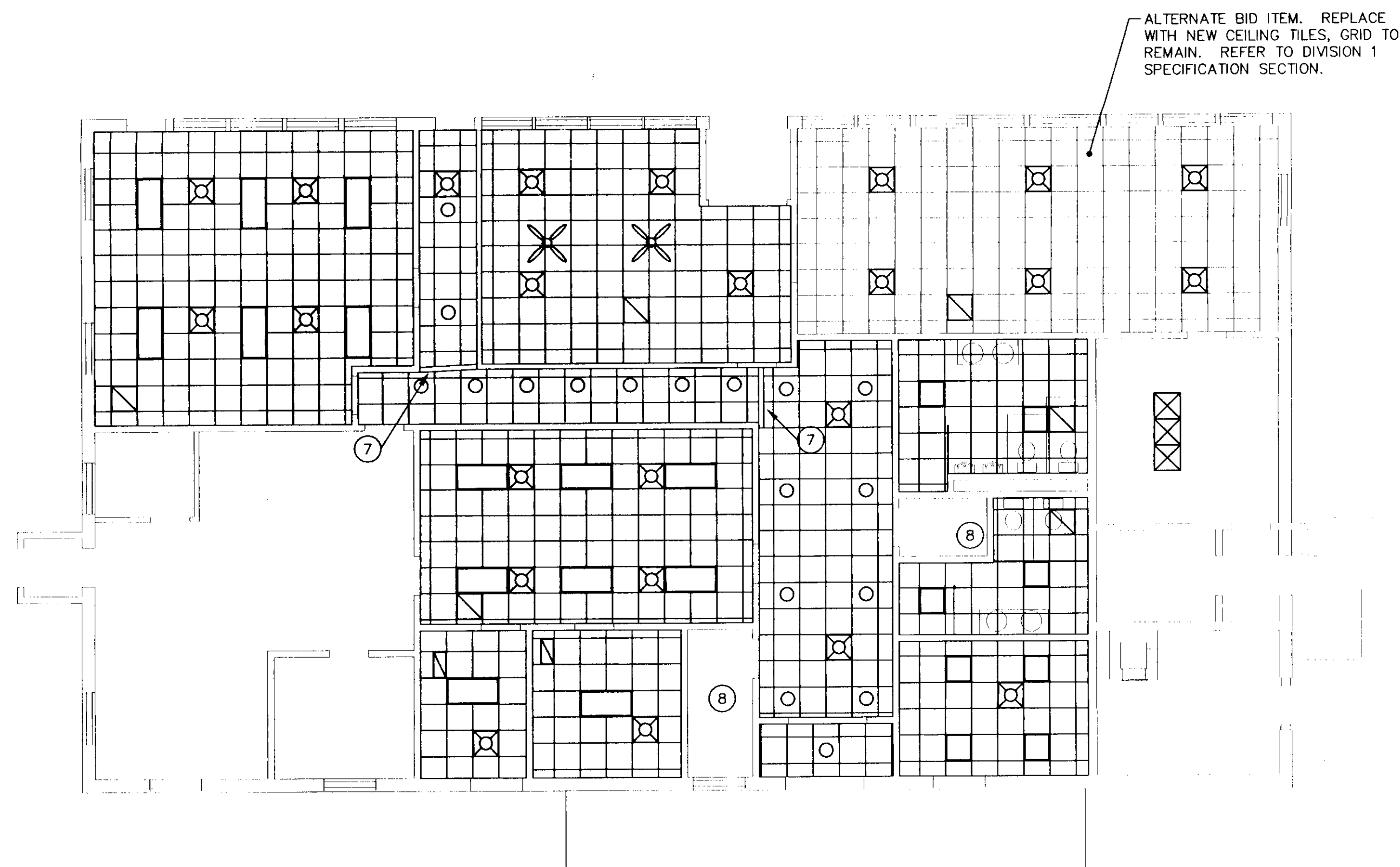
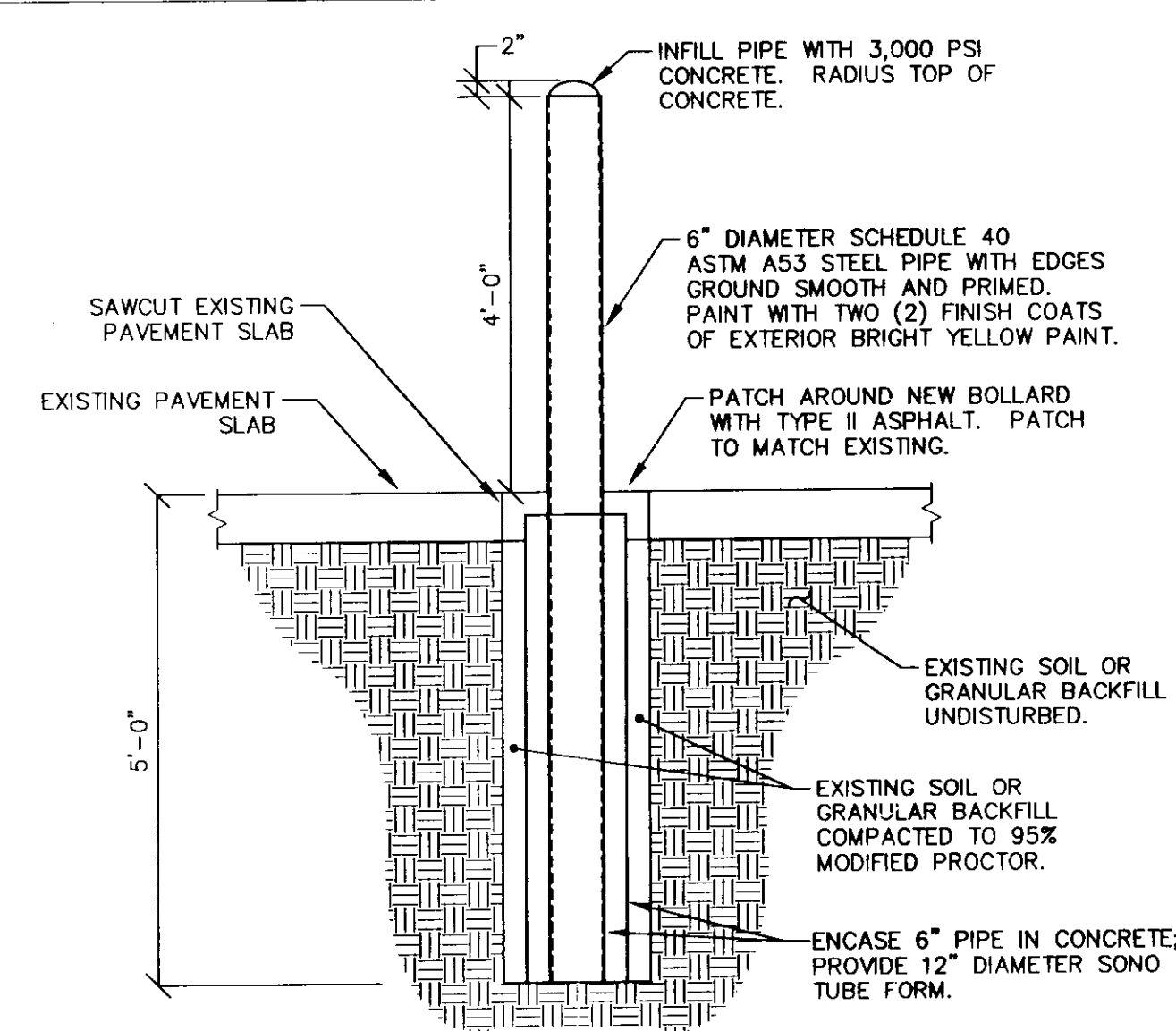


**FLOOR PLAN - DEMOLITION AND NEW ARCHITECTURAL WORK**  
SCALE: 1/8" = 1'-0"

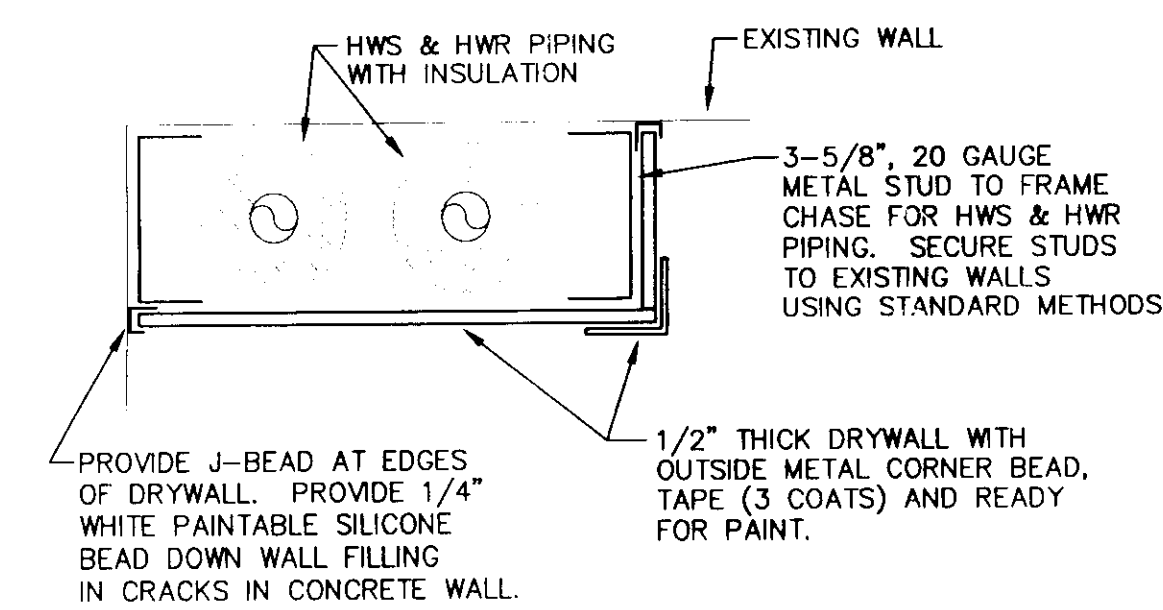
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M1  
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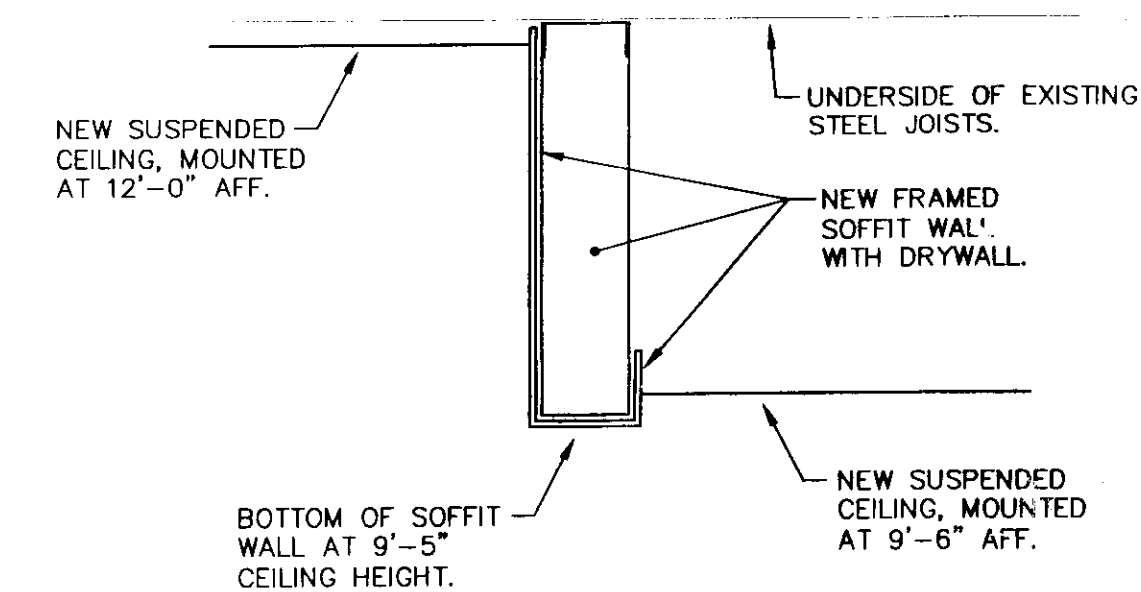
**FLOOR PLAN - NEW CEILING GRID LAYOUT AND REFLECTED CEILING PLAN**  
SCALE: 1/8" = 1'-0"



**1 TYPICAL CONCRETE BOLLARD DETAIL**  
A1 NO SCALE



**2 TYPICAL CORNER CHASE WALL DETAIL**  
A1 NO SCALE



**3 SOFFIT WALL CONSTRUCTION DETAIL**  
A1 NO SCALE

**GENERAL NOTES:**

- A. THE EXISTING FACILITY WILL BE OCCUPIED AND FUNCTIONING DURING THE ENTIRE DURATION OF CONSTRUCTION. CARE SHALL BE TAKEN WHEN WORKING IN OR AROUND OCCUPIED SPACES. THERE WILL BE NO INTERRUPTION IN ANY SYSTEMS OR UTILITIES WITHOUT WRITTEN REQUEST TO, AND APPROVAL FROM THE OWNER.
- B. EQUIPMENT AND MATERIALS REMOVED OR DEMOLISHED AND NOT TO BE REINSTALLED BY THE GC SHALL BE CLASSIFIED BY THE OWNER AS SALVAGE OR SCRAP. THOSE CLAIMED BY THE OWNER SHALL BE DELIVERED TO THE OWNER BY THE GC WHERE DIRECTED AT THE SITE. THOSE NOT CLAIMED BY THE OWNER SHALL BECOME PROPERTY OF THE GC AND SHALL BE LEGALLY REMOVED FROM THE SITE AND PREMISES.
- C. COORDINATE ALL DEMOLITION, REMOVALS AND PATCHING WORK WITH THE MC AND EC BEFORE GC IS TO START WORK.
- D. FIELD VERIFY ALL DIMENSIONS BEFORE COMMENCING WORK. NOTIFY ENGINEER OF ANY ERRORS.
- E. ALL PATCHING REQUIRED TO CONSIST OF THICKNESS OF EXISTING DRYWALL, TAPE (3 COATS) AND READY FOR PAINT.
- F. ALL DETAILS ARE EXAMPLES ONLY. ACTUAL INSTALLATIONS WILL BE DONE IN ACCORDANCE WITH ALL MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS.

**KEYED NOTES:**

- 1 GC TO REPAIR AND PATCH FLOOR TO MATCH EXISTING WHERE EXISTING HWS AND HWR WERE REMOVED INTO FLOOR. EXISTING PIPE IN FLOOR TO REMAIN BELOW FLOOR AND BE ABANDONED. CLEAN AREA OF FLOOR WHERE EXISTING UNIT VENTILATOR WAS REMOVED.
- 2 EXISTING OUTSIDE AIR LOUVER TO REMAIN. GC TO SEAL INSIDE OF LOUVER WITH 20 GAUGE GALVANIZED SHEET METAL CUT TO SIZE AND CAULKED WEATHERTIGHT WITH SILICONE. FILL WALL SPACE WITH FIBERGLASS INSULATION. FINISH OFF WALL WITH DRYWALL, TAPE (3 COATS) AND READY FOR PAINT. PRIME AND PAINT WALL WITH TWO FINISH COATS OF PAINT. COLOR TO BE COORDINATED WITH EXISTING AND OWNER. REFER TO DETAIL 3/2 FOR COORDINATION.
- 3 GC TO REPAIR AND PATCH FLOOR TO MATCH EXISTING WHERE EXISTING HWS AND HWR WERE REMOVED INTO FLOOR. EXISTING PIPE IN FLOOR TO REMAIN BELOW FLOOR AND BE ABANDONED. EXISTING HEATING UNITS TO REMAIN.
- 4 GC TO REMOVE EXISTING SPLINE CEILING IN THIS AREA, COMPLETE WITH SUPPORTS, GRID AND ALL ACCESSORIES.
- 5 GC TO REMOVE EXISTING SUSPENDED CEILING IN THIS AREA, COMPLETE WITH SUPPORTS, GRID AND ALL ACCESSORIES.
- 6 GC TO REMOVE EXISTING CEILING FOR EXTENT OF NEW WORK. SAVE AND REPLACE EXISTING CEILING TILES INTO EXISTING GRID. DO NOT REMOVE CEILING TILES FROM SITE. DAMAGED CEILING TILES WILL BE REPLACED BY THE CONTRACTOR AT HIS COST. COORDINATE ALL WORK WITH MC AND EC.
- 7 GC TO PROVIDE SOFFIT WALL TO BRIDGE BETWEEN THE TWO DIFFERENT CEILING HEIGHTS. FRAME WALL WITH 20 GAUGE METAL WALL STUDS WITH SUPPORTS EVERY 16" ON CENTER. FACE EACH WALL WITH 1/2" DRYWALL, TAPE (3 COATS) AND READY FOR PAINT. DRYWALL THE WALL FACING THE 12'-0" HIGH TO GO FULL HEIGHT AND THE WALL FOR THE 9'-6" CEILING TO GO ONLY 6" HIGH. MOUNT BOTTOM OF WALLS AT 9'-5" ABOVE THE FINISHED FLOOR. PRIME WALLS AND PAINT WITH TWO FINISH COATS OF PAINT. COLOR TO BE COORDINATED WITH EXISTING AND OWNER.
- 8 NO CEILING REQUIRED IN THIS ROOM.
- 9 GC TO REMOVE EXISTING WALL SLEEVE AND LINTEL. REBRICK AND PATCH OUTSIDE WALL TO MATCH EXISTING RUNNING BOND. COORDINATE COLOR OF BRICK WITH EXISTING AND OWNER. PATCH INSIDE OF WALL AND INSULATE TO MATCH EXISTING. PRIME AND PAINT WALL WITH TWO FINISH COATS OF PAINT. COLOR TO BE COORDINATED WITH EXISTING AND OWNER.
- 10 GC TO CONSTRUCT CHASE IN CORNER OF WALLS OF SIZE AS REQUIRED TO ENCASE THE HEATING PIPES. REFER TO DETAIL FOR CONSTRUCTION. TAPE (3 COATS) AND READY FOR PAINT. PRIME AND PAINT WITH TWO FINISH COATS OF PAINT. COLOR TO BE COORDINATED WITH EXISTING AND OWNER.
- 11 GC TO REMOVE EXTENT OF WALL FOR MC TO FIT NEW HEATING PIPES IN. AFTER INSTALLATION OF NEW HEATING PIPES, PATCH WALL TO MATCH EXISTING. PRIME AND PAINT WITH TWO FINISH COATS OF PAINT. COLOR TO BE COORDINATED WITH EXISTING AND OWNER. CHASE TO EXTEND MIN. 3" ABOVE THE CEILING.
- 12 AFTER REMOVAL OF DUCTWORK AND GRILLE BY MC, GC TO PATCH WALL TO MATCH EXISTING. PRIME AND PAINT WALL WITH TWO FINISH COATS OF PAINT. COLOR TO BE COORDINATED WITH EXISTING AND OWNER.
- 13 REMOVE EXISTING LOUVER AND INFILL WITH NEW WINDOW. PROVIDE WINDOW TO MATCH EXISTING.
- 14 GC TO REMOVE EXISTING BOLLARD, INFILL GROUND AND PATCH PAVEMENT TO MATCH EXISTING.
- 15 GC TO PAINT EXISTING CORNING GLASS WITH TWO COATS OF FLAT BLACK PAINT. FIRST ETCH GLASS AND CLEAN WITH MINERAL SPIRITS BEFORE PAINTING.
- 16 GC TO REMOVE EXISTING WALL SLEEVE AND LINTEL. REPLACE EXISTING PLYWOOD INFILL WITH GLASS TO MATCH EXISTING. PROVIDE WEATHER STRIPPING AND SILICONE SEALANT TO INFILL GLASS INTO EXISTING ALUMINUM FRAME.
- 17 GC TO REMOVE EXISTING LATTICE WORK IN CEILING.
- 18 EXISTING HOLE IN CEILING TO BE REPAIRED. GC TO REMOVE EXISTING FRAMING AND PATCH CEILING TO MATCH EXISTING.

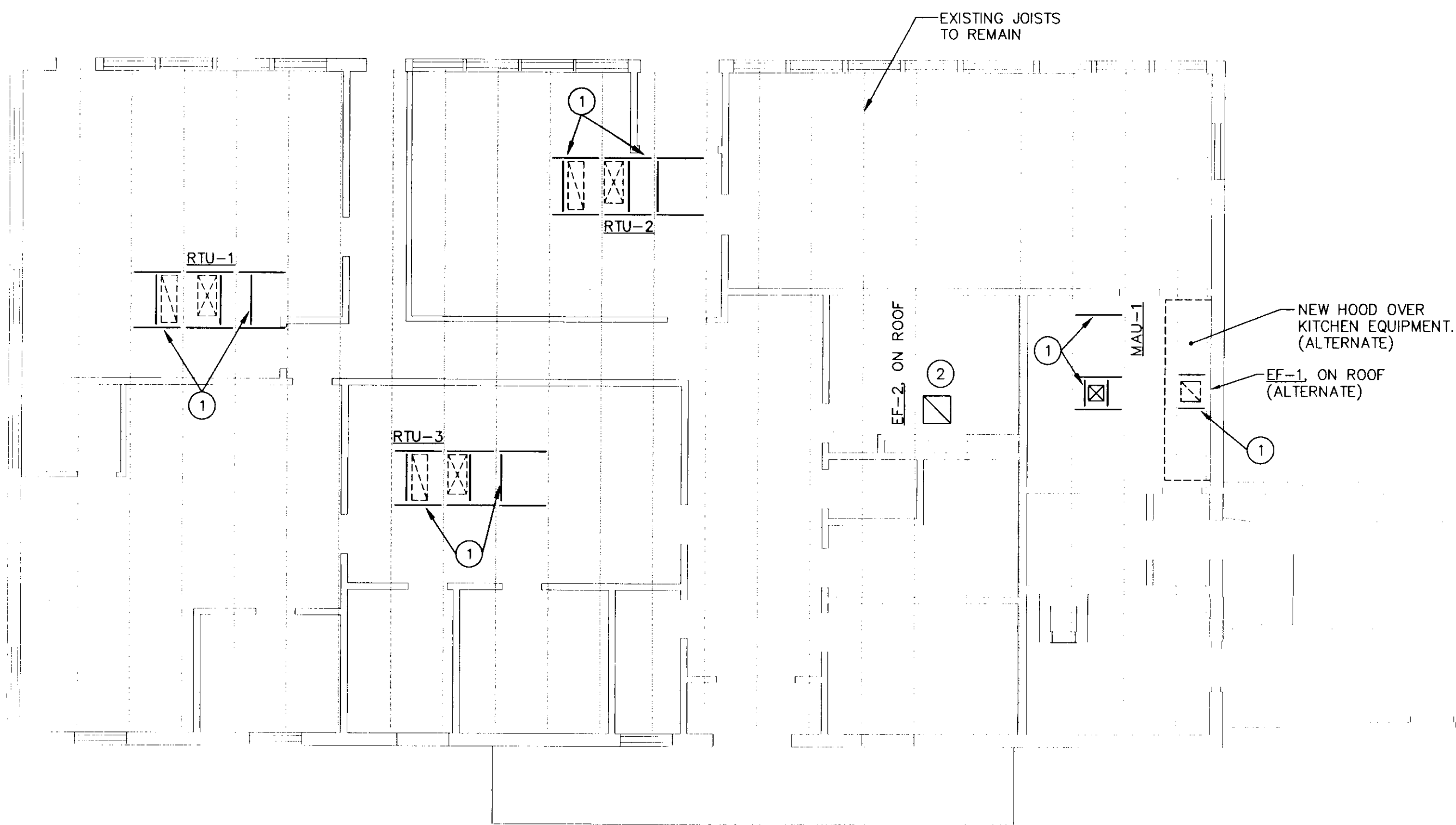
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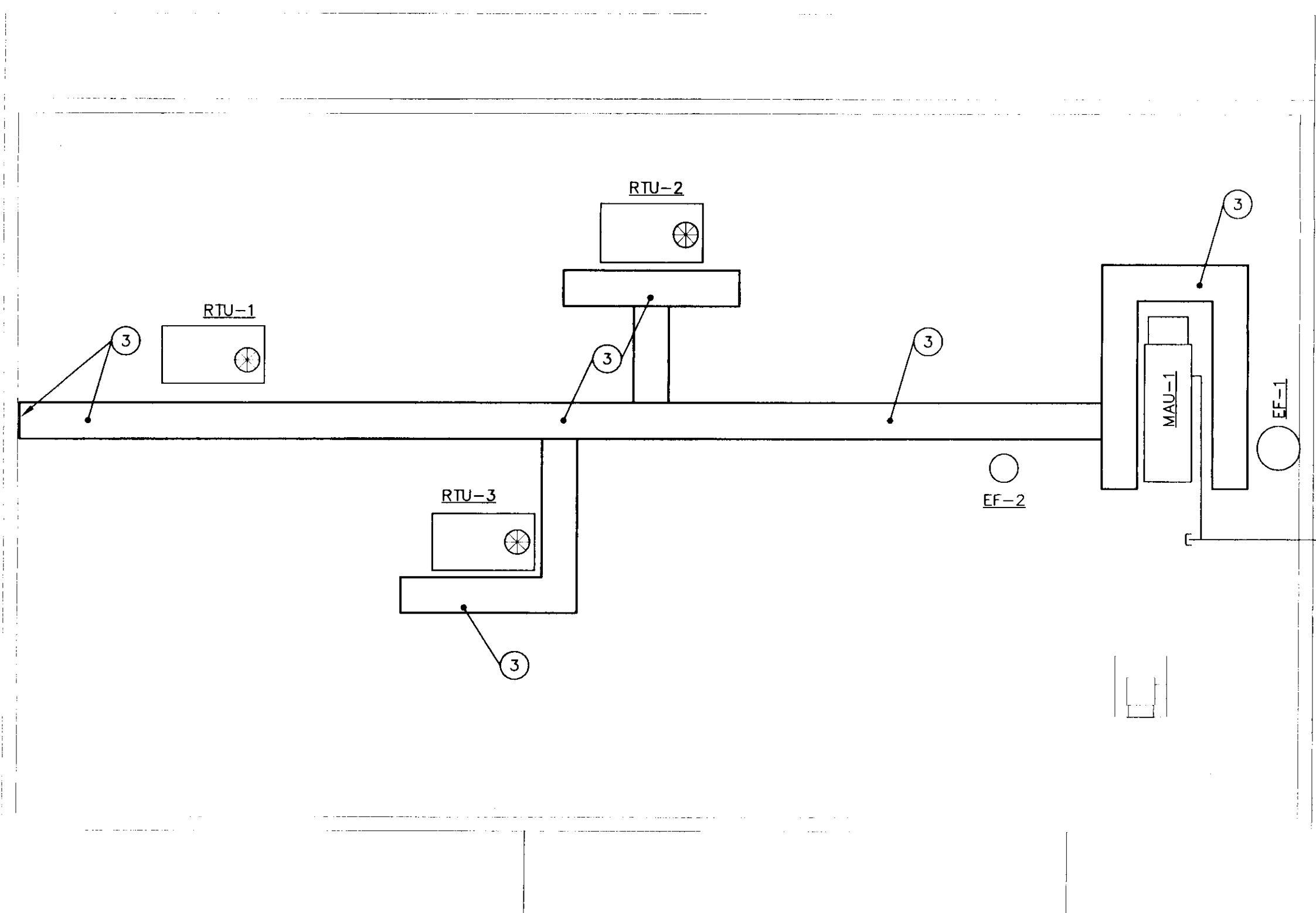
ARCHITECTURAL RENOVATIONS

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EMAIL: pearson@stowevt.net

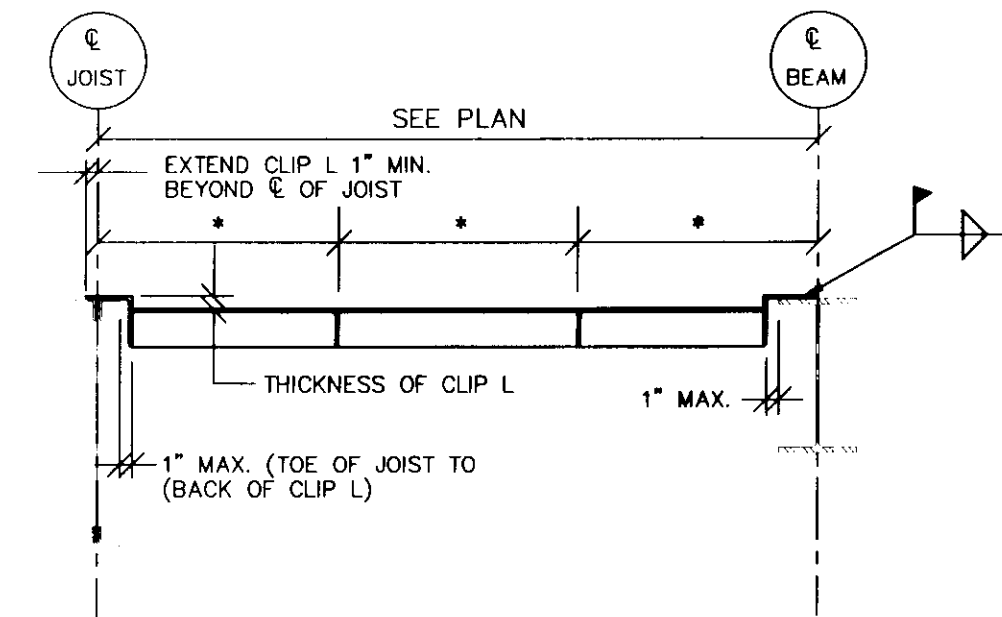
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**STRUCTURAL STEEL REINFORCEMENT PLAN**  
SCALE: 1/8" = 1'-0"



**ROOF PLAN**  
SCALE: 1/8" = 1'-0"



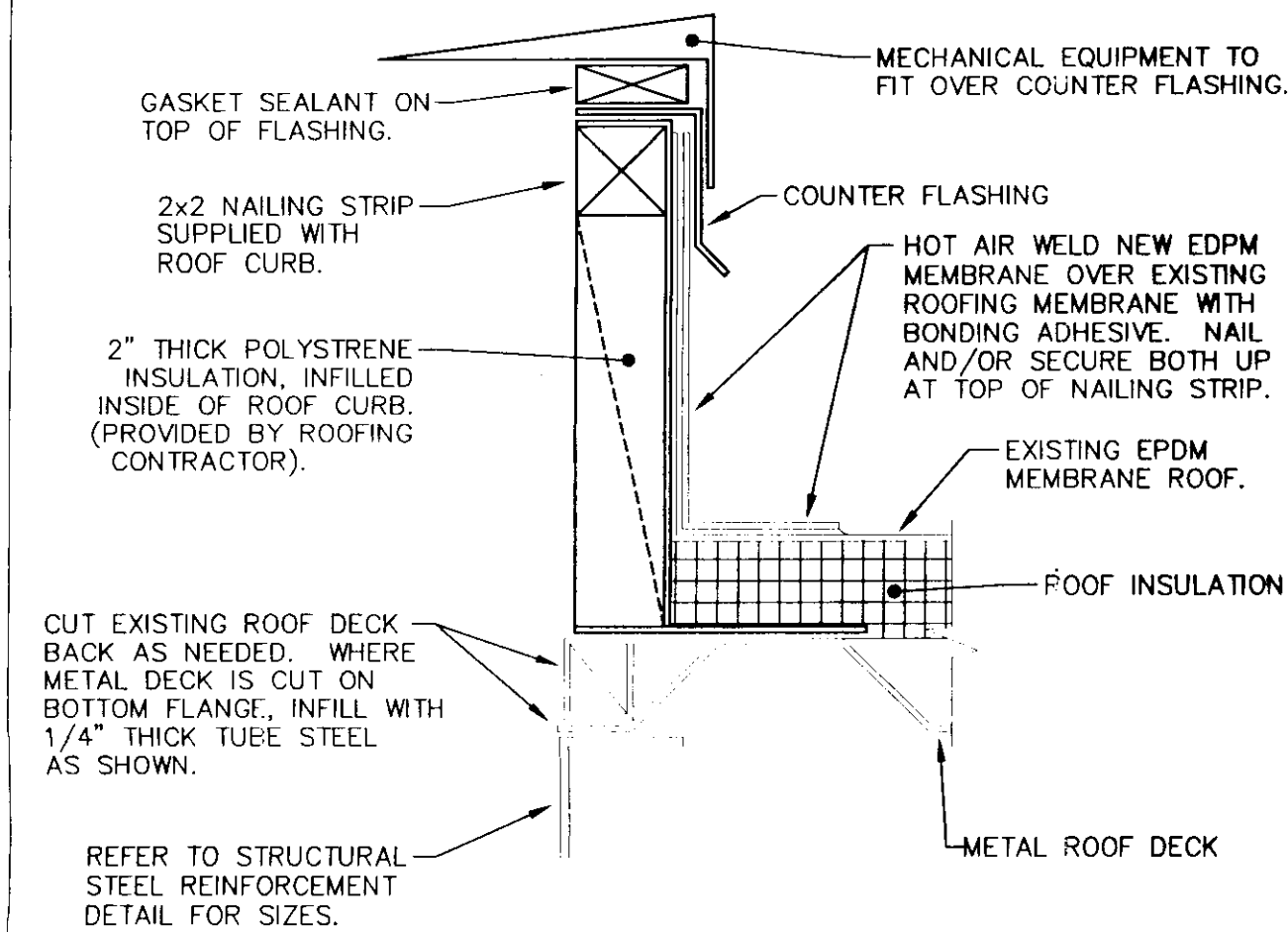
**REINFORCEMENT SCHEDULE**

HOLE DIAMETER	REINFORCEMENT REQUIRED
< 6"	NO REINFORCEMENT REQUIRED
6" TO 8"	18 GAGE PLATE
8" TO 13"	16 GAGE PLATE
> 13"	3 1/2" x 3 1/2" x 1/2" ANGLE FRAME U.O.N.
SPECIAL	SEE PLAN FOR FRAME SIZES

\* GENERAL CONTRACTOR TO COORDINATE ALL DIMENSIONS WITH MECHANICAL AND PLUMBING CONTRACTOR BEFORE FABRICATION.

**TYPICAL ROOF PENETRATION STEEL REINFORCEMENT DETAIL**

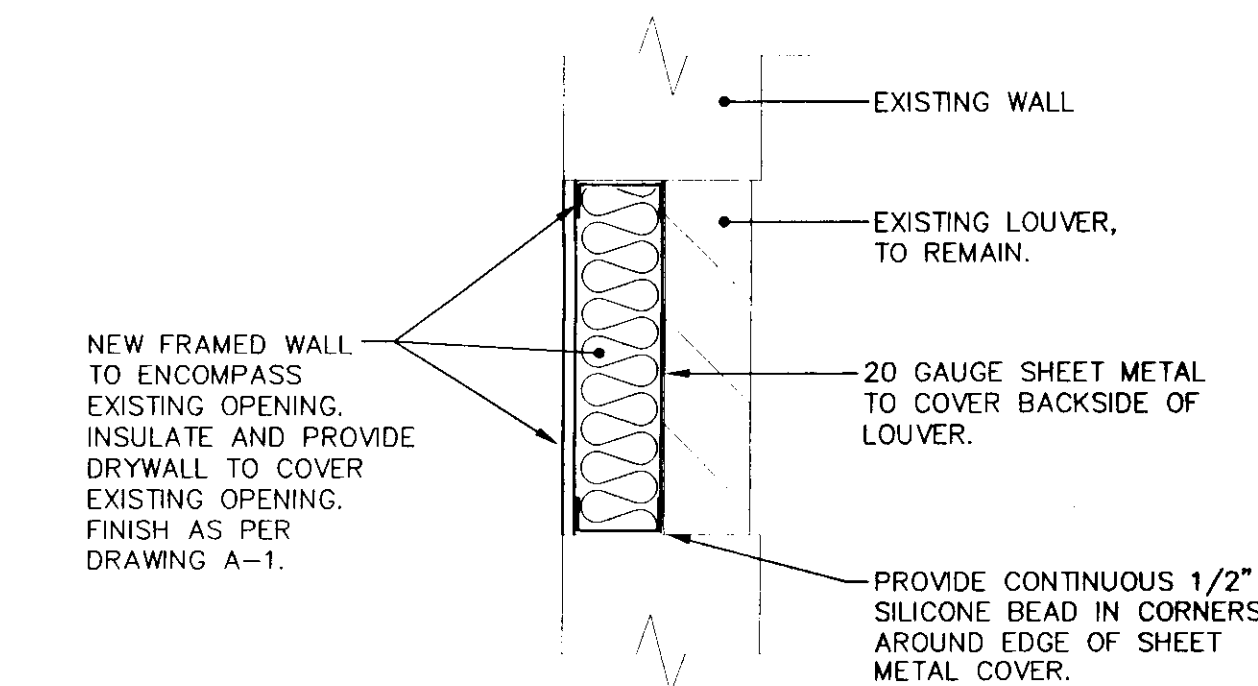
1  
A2  
NO SCALE



CONTACT: PALMIERI ROOFING IN ST. JOHNSBURY (748-9628) FOR ALL ROOFING RELATED WORK. PALMIERI HOLDS THE WARRANTY ON ROOF.

**TYPICAL ROOF CURB DETAIL**

2  
A2  
NO SCALE



**WALL SLEEVE CONSTRUCTION DETAIL**

3  
A2  
NO SCALE

**GENERAL NOTES:**

- REINFORCEMENTS FOR DUCT PENETRATIONS WILL BE CONSTRUCTED OF ASTM A36 STRUCTURAL STEEL ANGLE BY CERTIFIED WELDERS. REINFORCEMENT ANGLES SHALL BE IN DIRECT CONTACT WITH ROOF DECK, SHIM AS REQUIRED FOR TIGHT FIT.
- MC MAY SUBMIT ON DIFFERENT AND APPROVED ROOFTOP UNITS. MC THEN IS TO TAKE THE RESPONSIBILITY TO MODIFY THE STEEL REINFORCEMENT PER THE NEW UNITS. MC/GC IS TO SUBMIT NEW STEEL REINFORCEMENT PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL.
- COORDINATE FINAL PLACEMENT OF STEEL REINFORCEMENTS WITH THE ROOF CURBS OF THE UNITS.
- ALL DETAILS ARE EXAMPLES ONLY. ACTUAL INSTALLATIONS WILL BE DONE IN ACCORDANCE WITH ALL MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS.

**KEYED NOTES:**

- 4x4x1/4 DECK REINFORCEMENT ANGLES CENTERED UNDER EQUIPMENT CURB. SEE TYPICAL ROOF PENETRATION REINFORCEMENT DETAIL.
- EXISTING STEEL ANGLE IRON FOR ROOF PENETRATION TO REMAIN. MODIFY ROOF CURB TO ACCOMMODATE NEW EXHAUST FAN.
- PROVIDE 30x30x1" THICK RUBBER PADS FOR WALKWAY TO THE MECHANICAL ROOFTOP UNITS. COORDINATE WITH MC FOR FINAL LOCATIONS. RUBBER PADS BY FIRESTONE. HOT WELD RUBBER PADS TO EXISTING EPDM MEMBRANE ROOFING. PALMIERI ROOFING TO PERFORM THIS WORK. RUN WALKWAY TO MEET LADDER AT SIDE OF BUILDING. PROVIDE A 2" SPACE INBETWEEN RUBBER PADS FOR DRAINAGE.

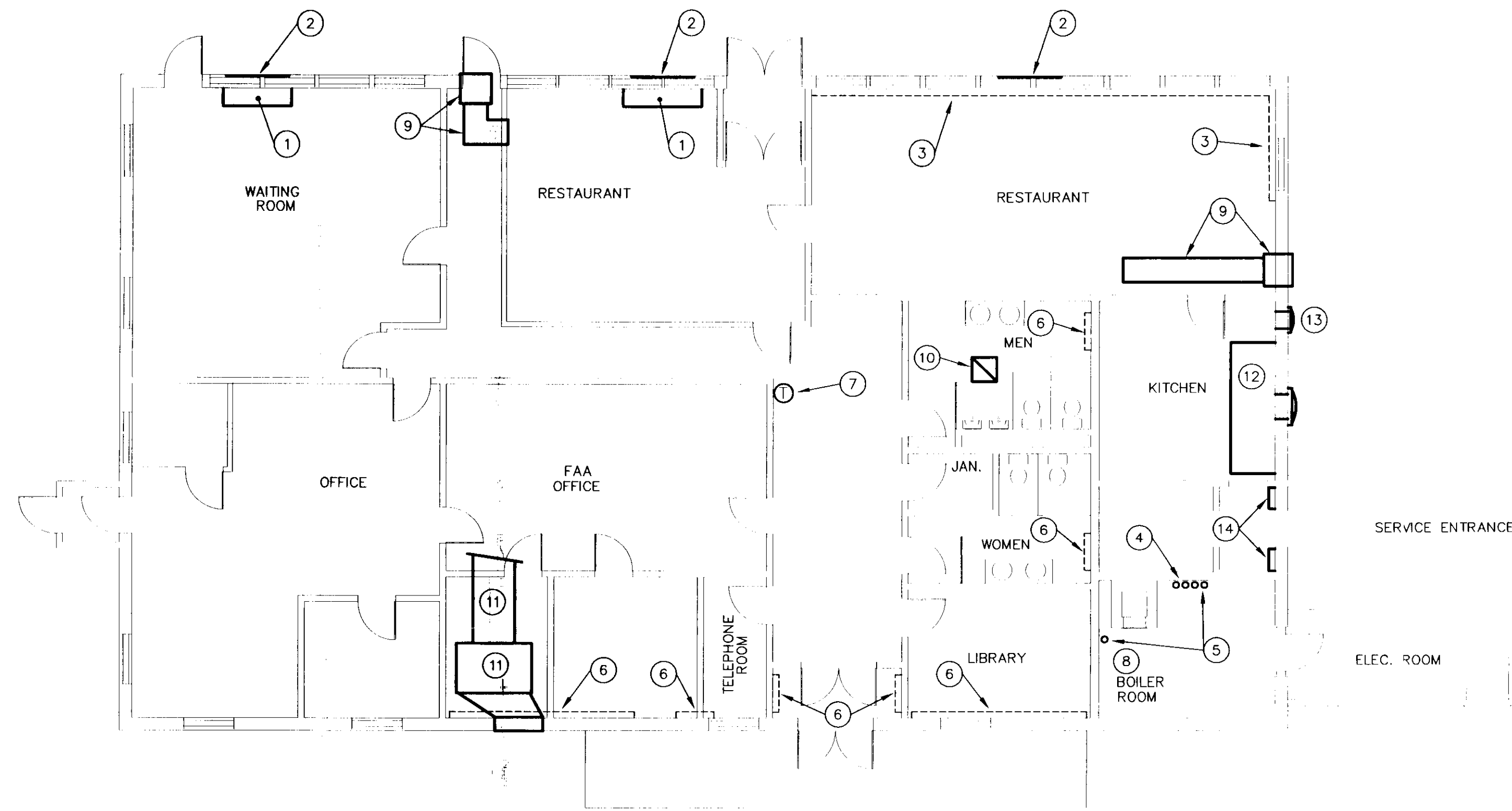
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**FLOOR PLAN - DEMOLITION**  
SCALE: 1/8" = 1'-0"

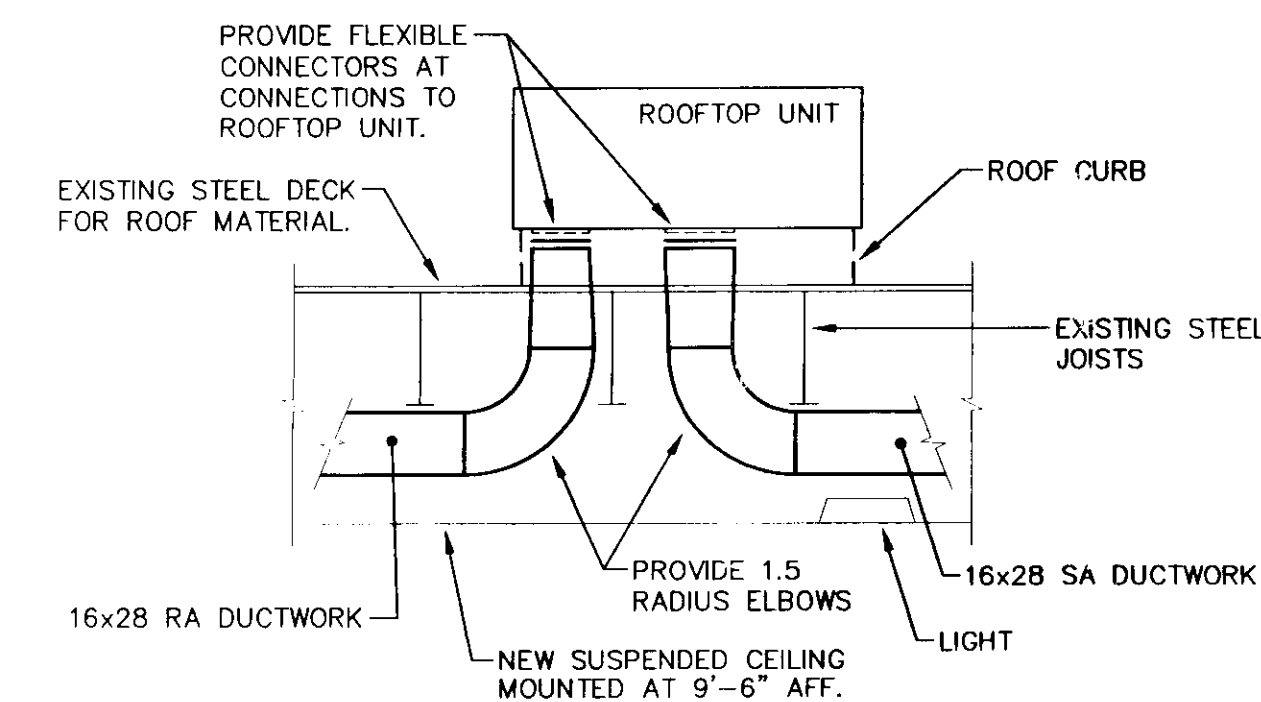
MECHANICAL LEGEND	
—	HOT WATER SUPPLY
- - -	HOT WATER RETURN
↑	AIR VENT
○	BALL VALVE
↗	FLOW CHECK
→	FLOW DIRECTION
○	PIPE UP
○	PIPE DOWN
⊙	PRESSURE GAUGE
⊕	TEMPERATURE/PRESSURE PORT
⊖	UNION
⊘	VOLUME DAMPER
AFF	ABOVE THE FINISH FLOOR
BBR	BASEBOARD RADIATION
MC	MECHANICAL CONTRACTOR
EC	ELECTRICAL CONTRACTOR
GC	GENERAL CONTRACTOR
PC	PLUMBING CONTRACTOR
MAU	MAKE-UP AIR UNIT
SD	SUPPLY DIFFUSER
RR	RETURN REGISTER
ER	EXHAUST REGISTER
RTU	ROOFTOP UNIT

**GENERAL NOTES:**

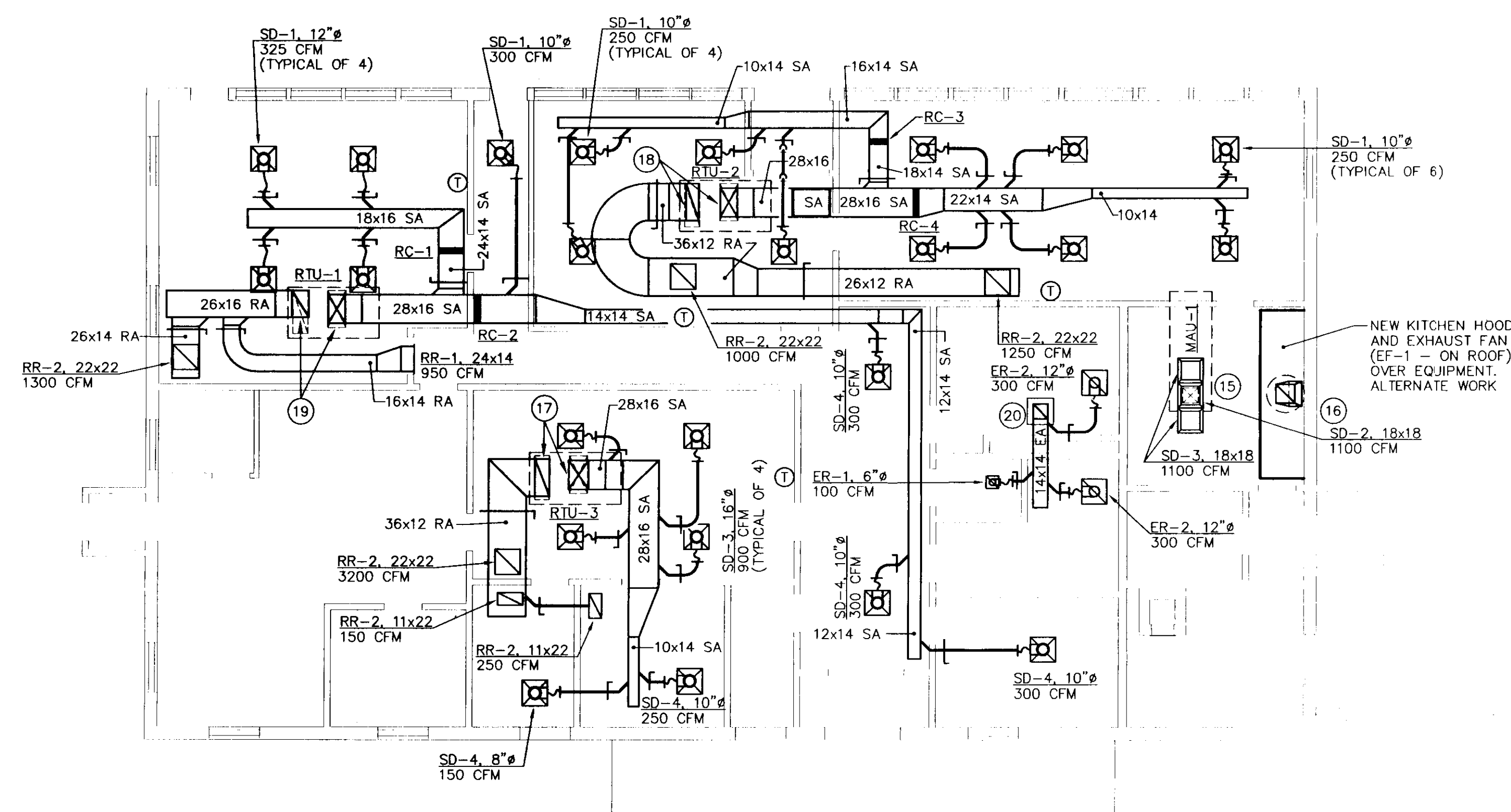
- A. THE EXISTING FACILITY WILL BE OCCUPIED AND FUNCTIONING DURING THE ENTIRE DURATION OF CONSTRUCTION. CARE SHALL BE TAKEN WHEN WORKING IN OR AROUND OCCUPIED SPACES. THERE WILL BE NO INTERRUPTION IN HVAC SYSTEMS OR UTILITIES WITHOUT WRITTEN REQUEST TO, AND APPROVAL FROM THE OWNER. REFER TO DRAWING A-2.
- B. EQUIPMENT AND MATERIALS REMOVED OR DEMOLISHED AND NOT TO BE REINSTALLED BY THE MC SHALL BE CLASSIFIED BY THE OWNER AS SALVAGE OR SCRAP. THOSE CLAIMED BY THE OWNER SHALL BE DELIVERED TO THE OWNER BY THE MC WHERE DIRECTED AT THE SITE. THOSE NOT CLAIMED BY THE OWNER SHALL BECOME PROPERTY OF THE MC AND SHALL BE LEGALLY REMOVED FROM THE SITE AND PREMISES.
- C. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR FINAL COORDINATION OF LIGHTS AND DIFFUSERS.
- D. DUCT SIZES TO DIFFUSERS AND REGISTERS TO BE SAME SIZE AS THE NECK OPENINGS OF THE DIFFUSERS AND REGISTERS, UNLESS OTHERWISE NOTED.
- E. MC TO CUT ALL HOLES IN ROOF DECK TO ACCOMMODATE DUCTWORK AND WIRING PENETRATIONS THROUGH ROOF. GC TO PROVIDE ROOF FRAMING SUPPORTS AND DECK REINFORCEMENT.

**KEYED NOTES:**

- 1 REMOVE EXISTING UNIT VENTILATOR, CONTROLS, WIRING AND ALL ACCESSORIES. REMOVE HWS & HWR PIPING BACK TO 6" BELOW THE FLOOR AND CAP. GC TO PATCH FLOOR. EXISTING PIPE IN FLOOR TO REMAIN AND BE ABANDONED.
- 2 EXISTING OUTSIDE AIR LOUVER THAT SERVED EXISTING UNIT VENTILATOR IS TO REMAIN. COORDINATE WITH GC.
- 3 EXISTING FIN-TUBE RADIATION COMPLETE WITH GRILLES, WOOD ENCLOSURE, METAL ENCLOSURE IS TO REMAIN. REMOVE HWS AND HWR PIPING BACK TO 1" BELOW THE FLOOR AND CAP. GC TO PATCH FLOOR. EXISTING PIPE IN FLOOR TO REMAIN AND BE ABANDONED.
- 4 REMOVE EXISTING 2-1/2" HWS & HWR PIPING FROM TOP ELBOW DOWN TO FLOOR LEVEL. CAP PIPING AT FLOOR LEVEL. CAP PIPING AT FLOOR LEVEL. CUT AND REAM ENDS OF PIPE CLEAN AND READY FOR RECONNECTION TO NEW WORK. EXISTING PIPE IN FLOOR TO REMAIN AND BE ABANDONED.
- 5 REMOVE EXISTING DOMESTIC COLD, HOT AND 3/4" RECIRC. HOT WATER PIPING FROM TOP ELBOW DOWN TO FLOOR LEVEL. CAP PIPING AT FLOOR LEVEL. CUT AND REAM ENDS OF PIPE CLEAN AND READY FOR RECONNECTION TO NEW WORK. PIPE IN FLOOR TO REMAIN AND BE ABANDONED.
- 6 REMOVE EXISTING HWS AND HWR PIPING BACK TO 1" BELOW FLOOR AND CAP. GC TO PATCH FLOOR. EXISTING HEATING DEVICE TO REMAIN. CUT AND REAM ENDS OF PIPE CLEAN AND READY FOR RECONNECTION TO NEW WORK. PIPE IN FLOOR TO REMAIN AND BE ABANDONED.
- 7 REMOVE EXISTING HEATING THERMOSTAT ON WALL.
- 8 EXISTING HWS AND HWR PIPING, PUMP AND ACCESSORIES IN BOILER ROOM TO FEED FIN-TUBE RADIATION IN EXISTING OFFICE IN BUILDING. ALL TO REMAIN. REFER TO DRAWING M-2, FLOOR PLAN-PIPING FOR NEW WORK.
- 9 REMOVE EXISTING THROUGH THE WALL AIR CONDITIONER, CONTROLS, DUCTWORK AND ALL ACCESSORIES. AIR CONDITIONER TO REMAIN PROPERTY OF THE RESTAURANT.
- 10 REMOVE EXISTING EXHAUST FAN ON ROOF. ROOF CURB TO REMAIN. COORDINATE WITH E.C.
- 11 REMOVE EXISTING AIR HANDLING UNIT COMPLETE WITH ALL DUCTWORK, GRILLES, SUPPORTS, CONTROLS, PIPING AND ALL ACCESSORIES.
- 12 REMOVE EXISTING KITCHEN HOOD COMPLETE WITH ALL DUCTWORK, EXHAUST FAN, SUPPORTS, CONTROLS AND ALL ACCESSORIES.
- 13 REMOVE EXISTING KITCHEN MAKE-UP FAN AND LOUVER COMPLETE WITH ALL DUCTWORK, SUPPORTS AND ALL ACCESSORIES.
- 14 REMOVE EXISTING FIN-TUBE RADIATION COMPLETE WITH COVERS, FINES, VALVES, SUPPORTS AND ALL ACCESSORIES. REMOVE HWS AND HWR PIPING BACK TO 6" BELOW FLOOR AND CAP. GC TO PATCH FLOOR. EXISTING PIPE IN FLOOR TO REMAIN AND BE ABANDONED.
- 15 14x14 SUPPLY AIR DUCT UP TO MAKE-UP AIR UNIT (MAU-1) ON ROOF ABOVE.
- 16 NEW EXHAUST HOOD WITH MATCHING EXHAUST FAN (EF-1) ON ROOF ABOVE. DUCTWORK TO BE 12 GAUGE SHEETMETAL. TRANSITION FROM HOOD COLLAR TO 18x18 AND RUN UP TO FAN ON ROOF.
- 17 28x16 SUPPLY AIR DUCT AND 36x16 RETURN AIR DUCT UP TO ROOF TOP UNIT (RTU-3) ON ROOF ABOVE. TRANSITION AS REQUIRED IN ROOF CURB. PROVIDE FLEXIBLE CONNECTORS AT DUCT CONNECTIONS TO UNIT.
- 18 28x16 SUPPLY AIR DUCT AND 36x12 RETURN AIR DUCT UP TO ROOF TOP UNIT (RTU-2) ON ROOF ABOVE. TRANSITION AS REQUIRED IN ROOF CURB. PROVIDE FLEXIBLE CONNECTORS AT DUCT CONNECTIONS TO UNIT.
- 19 28x16 SUPPLY AIR DUCT AND 26x16 RETURN AIR DUCT UP TO ROOF TOP UNIT (RTU-1) ON ROOF ABOVE. TRANSITION AS REQUIRED IN ROOF CURB. PROVIDE FLEXIBLE CONNECTORS AT DUCT CONNECTIONS TO UNIT.
- 20 14x14 EXHAUST AIR DUCT UP TO EXHAUST FAN (EF-2) ON ROOF ABOVE. TRANSITION AS REQUIRED IN ROOF CURB.



**ROOFTOP UNIT DETAIL**  
SCALE: 1/4" = 1'-0"



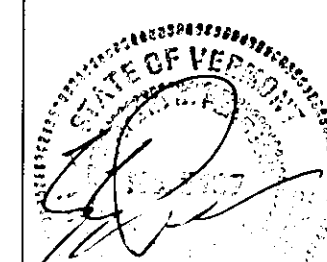
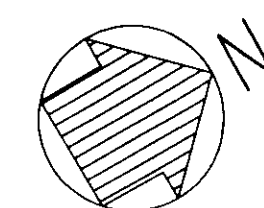
**FLOOR PLAN - DUCTWORK AND EQUIPMENT**  
SCALE: 1/8" = 1'-0"

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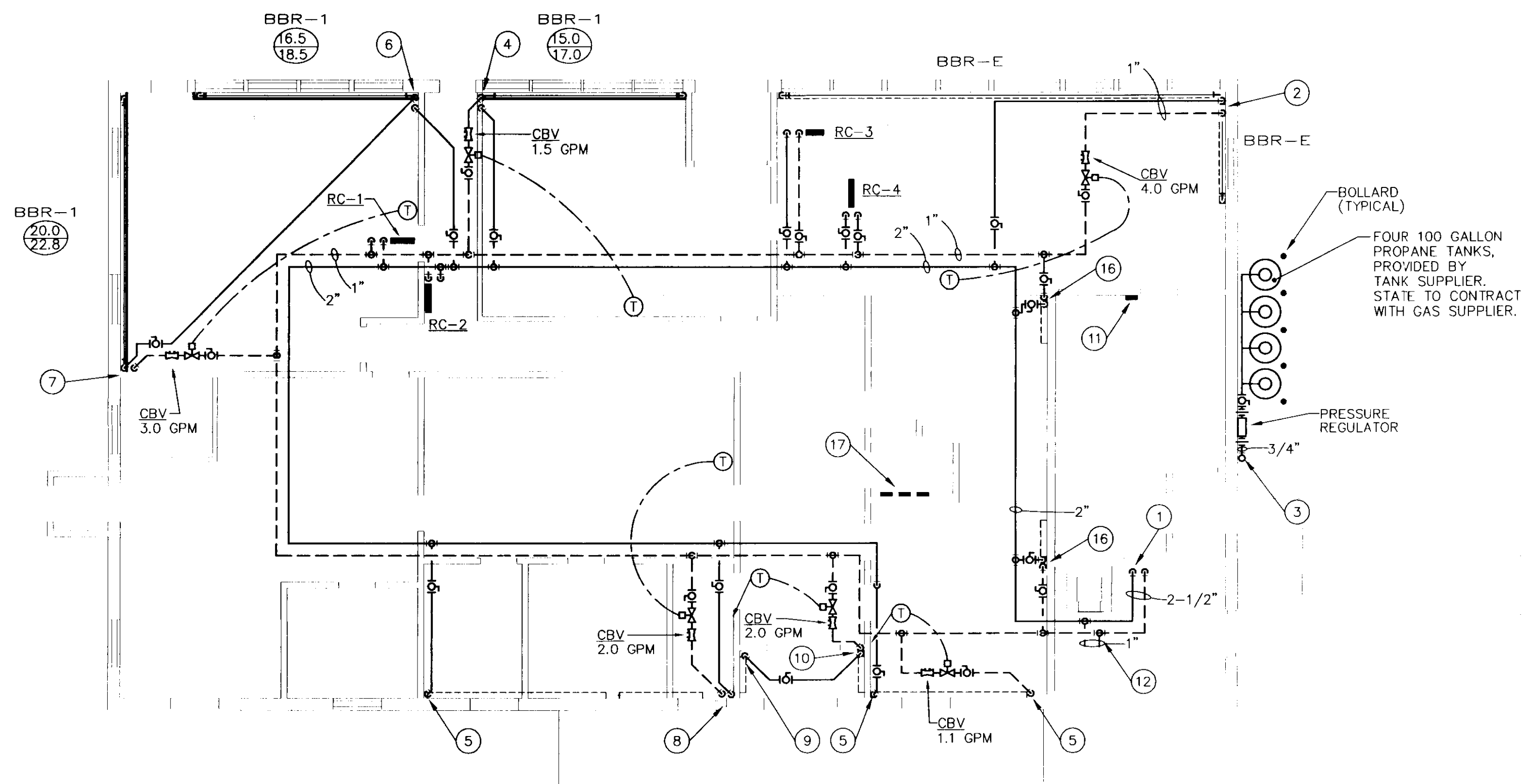
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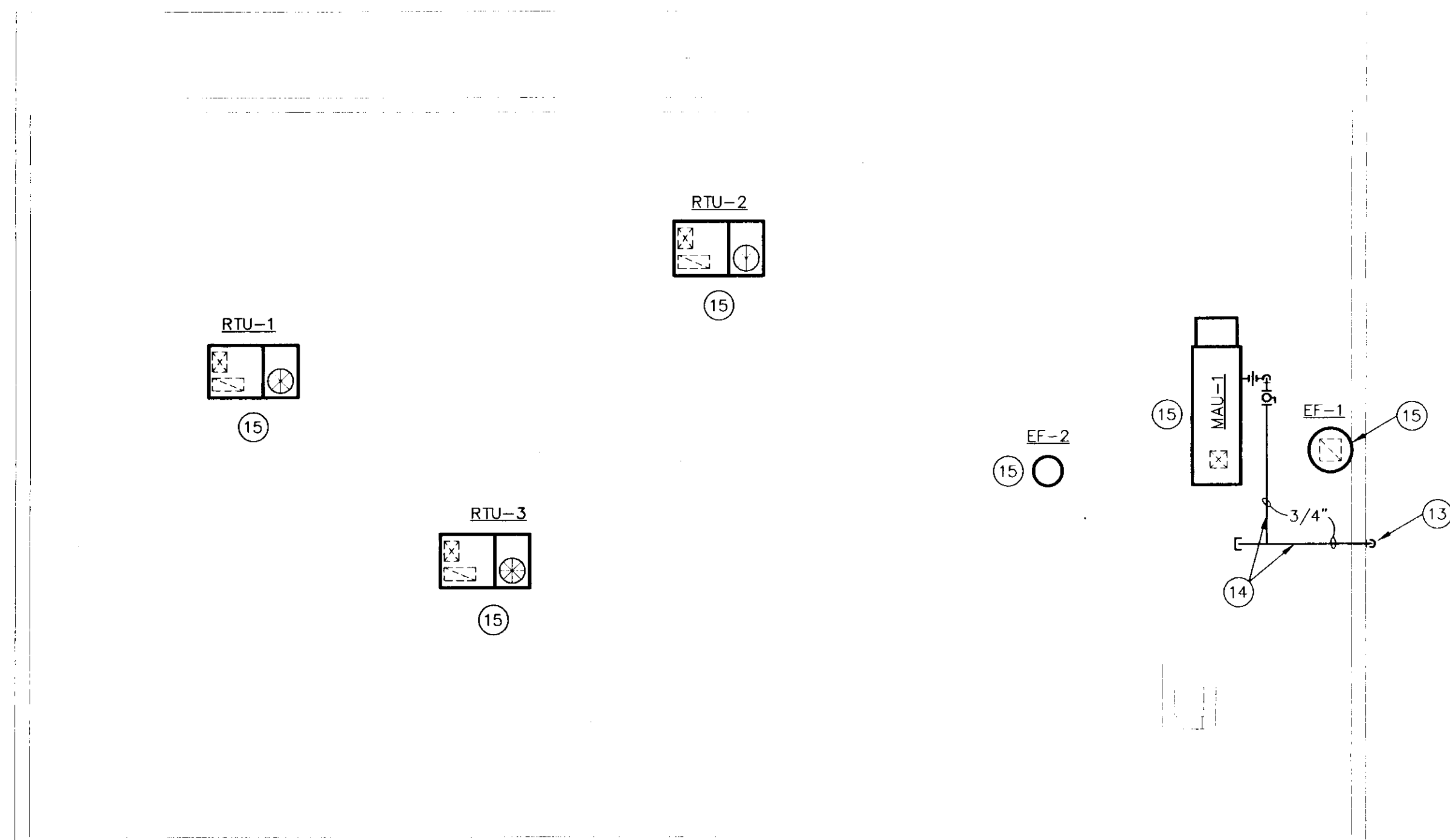
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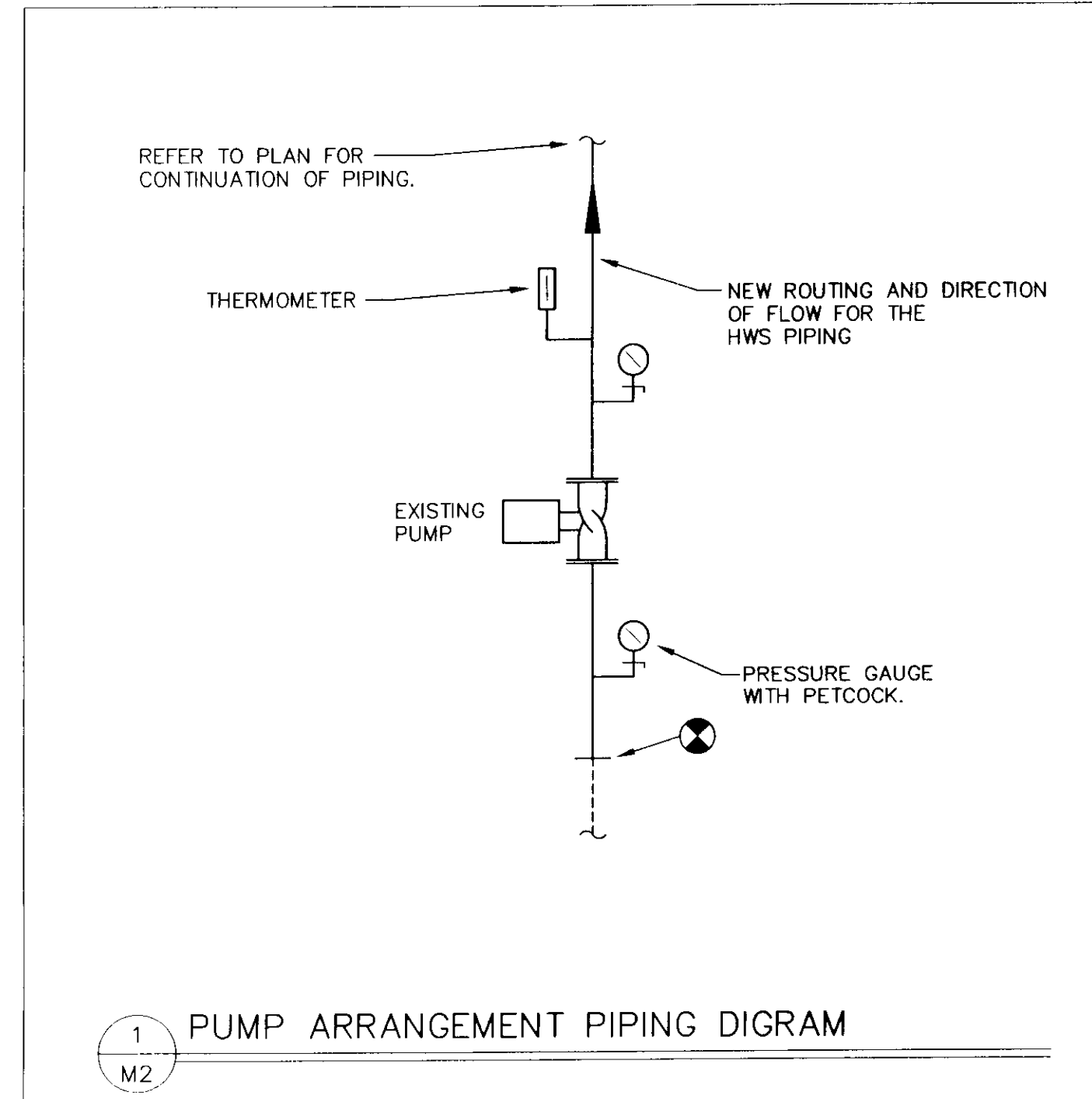
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**FLOOR PLAN - PIPING**  
SCALE: 1/8" = 1'-0"



**ROOF PLAN - EQUIPMENT AND PIPING**  
SCALE: 1/8" = 1'-0"



**PUMP ARRANGEMENT PIPING DIAGRAM**

**GENERAL NOTES:**

- A. THE EXISTING FACILITY WILL BE OCCUPIED AND FUNCTIONING DURING THE ENTIRE DURATION OF CONSTRUCTION. CARE SHALL BE TAKEN WHEN WORKING IN OR AROUND OCCUPIED SPACES. THERE WILL BE NO INTERRUPTION IN HVAC SYSTEMS OR UTILITIES WITHOUT WRITTEN REQUEST TO, AND APPROVAL FROM THE OWNER.
- B. ALL HWS & HWR RUNOUTS TO BASEBOARD RADIATION AND/OR OTHER HEATING DEVICES TO BE A MINIMUM OF 3/4" IN SIZE, UNLESS OTHERWISE NOTED.
- C. MC TO COORDINATE WITH GC FOR FINAL PLACEMENT OF ALL PIPING TO BE LOCATED IN CHASES AND WALLS.
- D. ALL HWS AND HWR PIPING TO BE RUN IN-BETWEEN THE OPEN WEB JOISTS.

**KEYED NOTES:**

- 1 RECONNECT TO EXISTING 2-1/2" HWS AND HWR AND RISE UP TO IN-BETWEEN THE OPEN-WEB STEEL JOISTS AND RUN AS SHOWN. REINSTALL PUMP AND ACCESSORIES AS PER ORIGINAL WORK. REFER TO DETAIL 1/M2 FOR CONNECTIONS AND PIPING ROUTING.
- 2 1" HWS AND HWR PIPING DOWN AND UP IN CHASE TO SERVE EXISTING BASEBOARD RADIATION. REFER TO BASEBOARD RADIATION PIPING DETAIL FOR PIPING CONNECTIONS. MODIFY ENCLOSURE AS REQUIRED FOR NEW PIPING.
- 3 3/4" LP GAS LINE UP SIDE OF BUILDING TO ROOF. PROVIDE SHUT OFF VALVE ON LEAVING SIDE OF PRESSURE REGULATOR. REFER TO FLOOR PLAN FOR CONTINUATION. SUPPORT PIPE EVERY 5'-0" VERTICALLY.
- 4 HWS AND HWR PIPING IN WALL TO SERVE BASEBOARD RADIATION. REFER TO BASEBOARD RADIATION PIPING DETAIL FOR PIPING CONNECTIONS.
- 5 HWS AND HWR PIPING IN CHASE TO SERVE EXISTING HEATING DEVICE. RECONNECT EXISTING HWS AND HWR PIPING OF HEATING DEVICE TO NEW PIPING IN CHASE. PROVIDE BALL VALVES IN PIPING ABOVE CEILING FOR SHUT-OFF PURPOSES.
- 6 HWS PIPING DOWN IN CHASE TO SERVE BASEBOARD RADIATION. HWR FROM BASEBOARD BACK IN BASEBOARD AND UP IN CHASE TO SERVE BASEBOARD RADIATION ON OTHER WALL.
- 7 HWS PIPING DOWN IN CHASE TO SERVE BASEBOARD RADIATION. HWR PIPING UP IN CHASE FROM BASEBOARD RADIATION. REFER TO BASEBOARD PIPING DETAIL FOR PIPING CONNECTIONS.
- 8 3/4" HWR UP FROM BASE BOARD FIN TUBE RADIATION IN CHASE. 3/4" HWS DOWN IN CHASE TO SERVE CONVECTOR IN ENTRY VESTIBULE. RADIATION IN FAA OFFICE.
- 9 3/4" HWS UP FROM CONVECTOR INTO CEILING SPACE TO SERVE OTHER CONVECTOR.
- 10 HWS PIPING DOWN IN CHASE TO SERVE EXISTING HEATING DEVICE. HWR PIPING FROM HEATING DEVICE UP IN CHASE AND RUN AS SHOWN.
- 11 LOCATION OF CONTROL PANEL FOR KITCHEN MAKE-UP AIR AND KITCHEN HOOD EXHAUST FAN. COORDINATE WITH EC.
- 12 RECONNECT 1" HWS AND HWR TO EXISTING HWS AND HWR PIPING TO SERVE EXISTING OFFICE.
- 13 3/4" LP GAS LINE DOWN SIDE OF BUILDING TO BELOW. REFER TO FLOOR PLAN-PIPING FOR CONTINUATION.
- 14 SUPPORT GAS PIPING WITH 4x4x12 INCH LONG PRESSURE TREATED LUMBER LAID ON TOP OF ROOF. RIGIDLY SUPPORT PIPE TO LUMBER. PROVIDE SLIP SHEET UNDER SLEEPER.
- 15 MC TO COORDINATE WITH GC FOR INSTALLATION OF EQUIPMENT.
- 16 HWS AND HWR PIPING IN CHASE TO SERVE EXISTING HEATING DEVICE. RECONNECT EXISTING HWS AND HWR PIPING OF HEATING DEVICE TO NEW PIPING IN CHASE. PROVIDE BALL VALVES IN PIPING ABOVE CEILING FOR SHUT-OFF PURPOSES. PROVIDE CBV IN CEILING SPACE ON HWR PIPING FOR BALANCING PURPOSES. BALANCE CBV TO 2.0 GPM. UNITS TO BE CONTROLLED WITH SELF-CONTAINED CONTROL VALVES LOCATED WITHIN CABINET ENCLOSURE.
- 17 LOCATION OF ROOFTOP UNIT CONTROLLERS. MOUNT AT 5'-0" AFF. COORDINATE FINAL LOCATIONS WITH OWNER, EC AND GC.

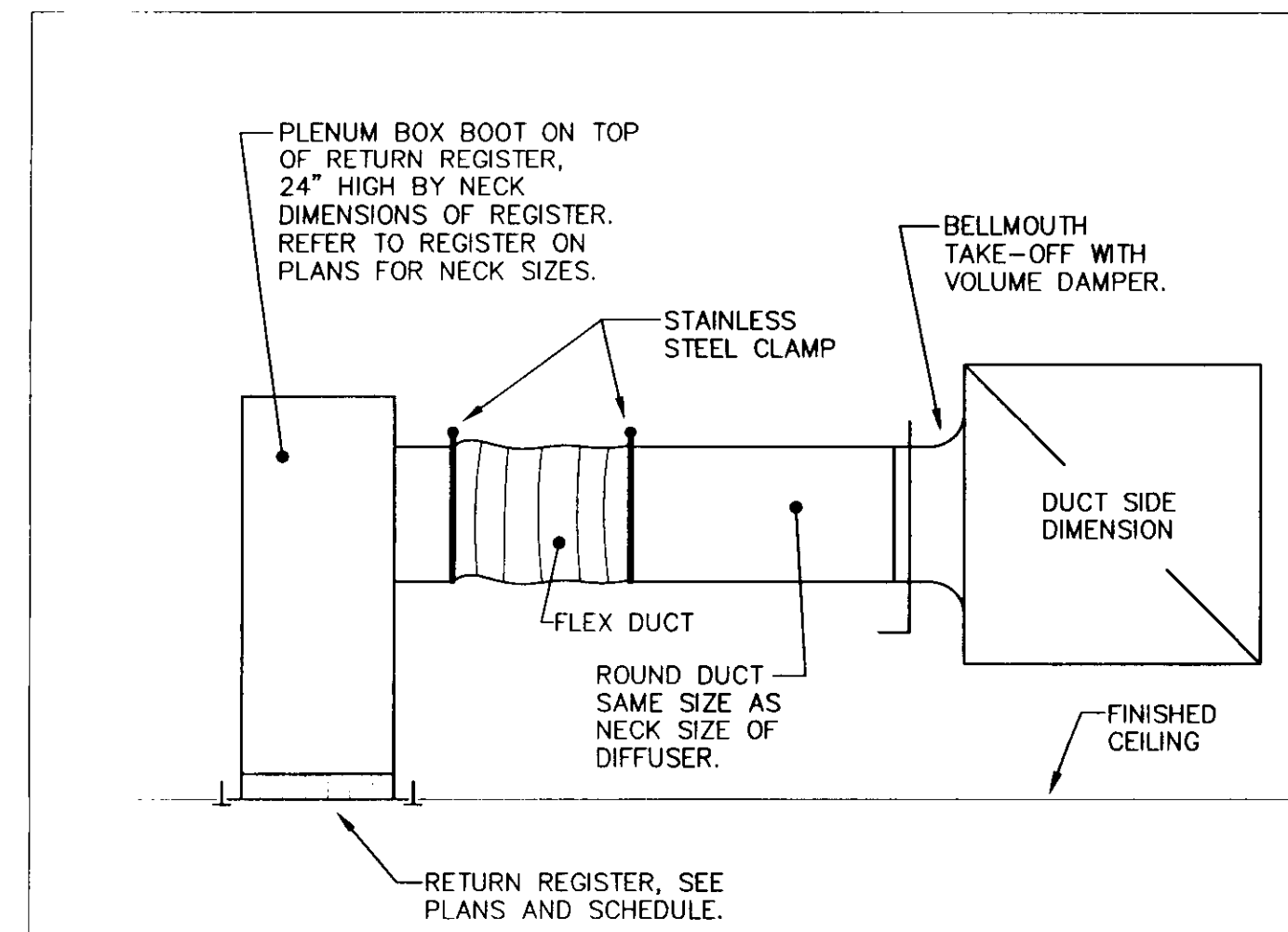
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MECHANICAL RENOVATIONS

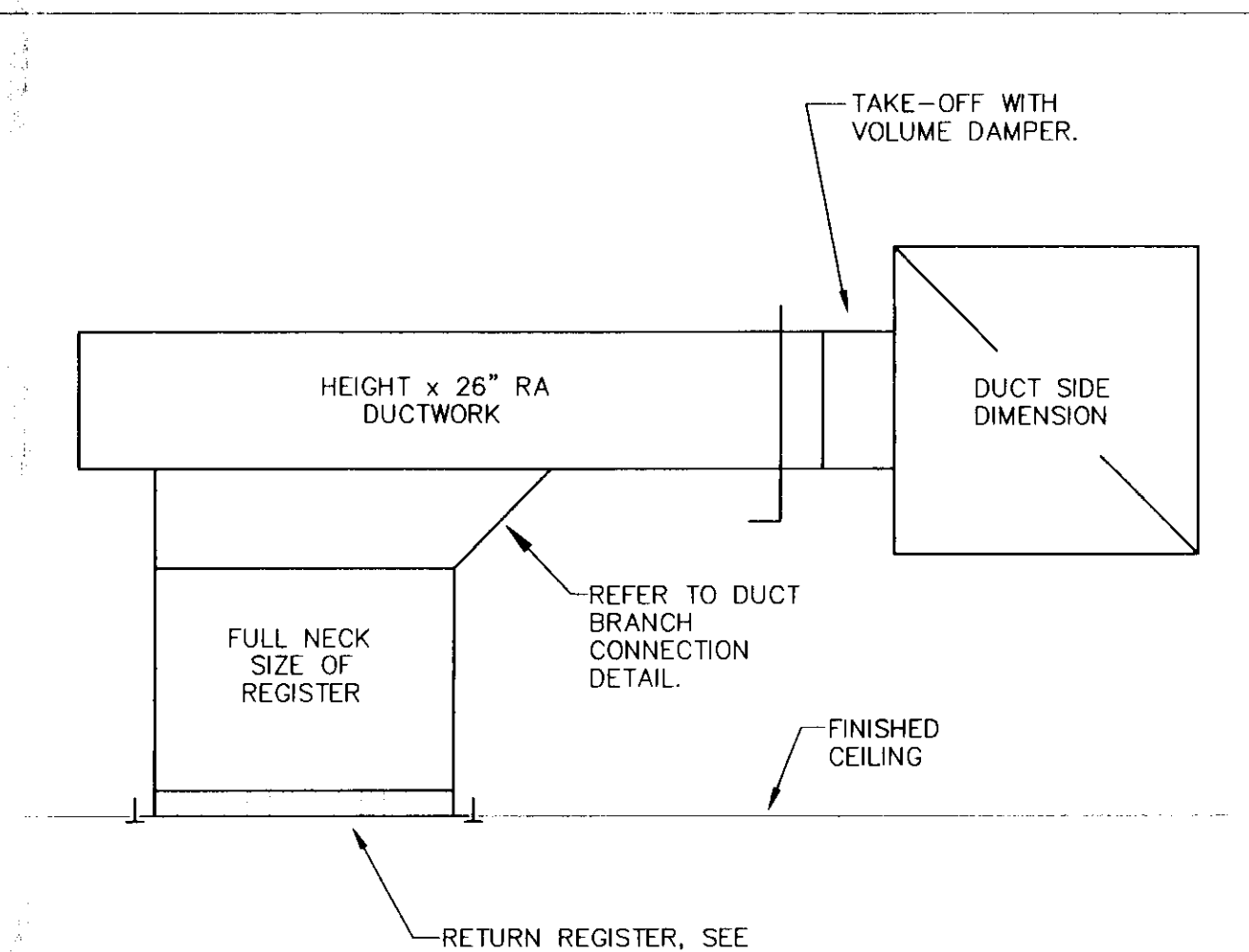
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DRAWN BY: TJY	APPROVED BY: E.E.P.		SHEET: 4 OF 8	

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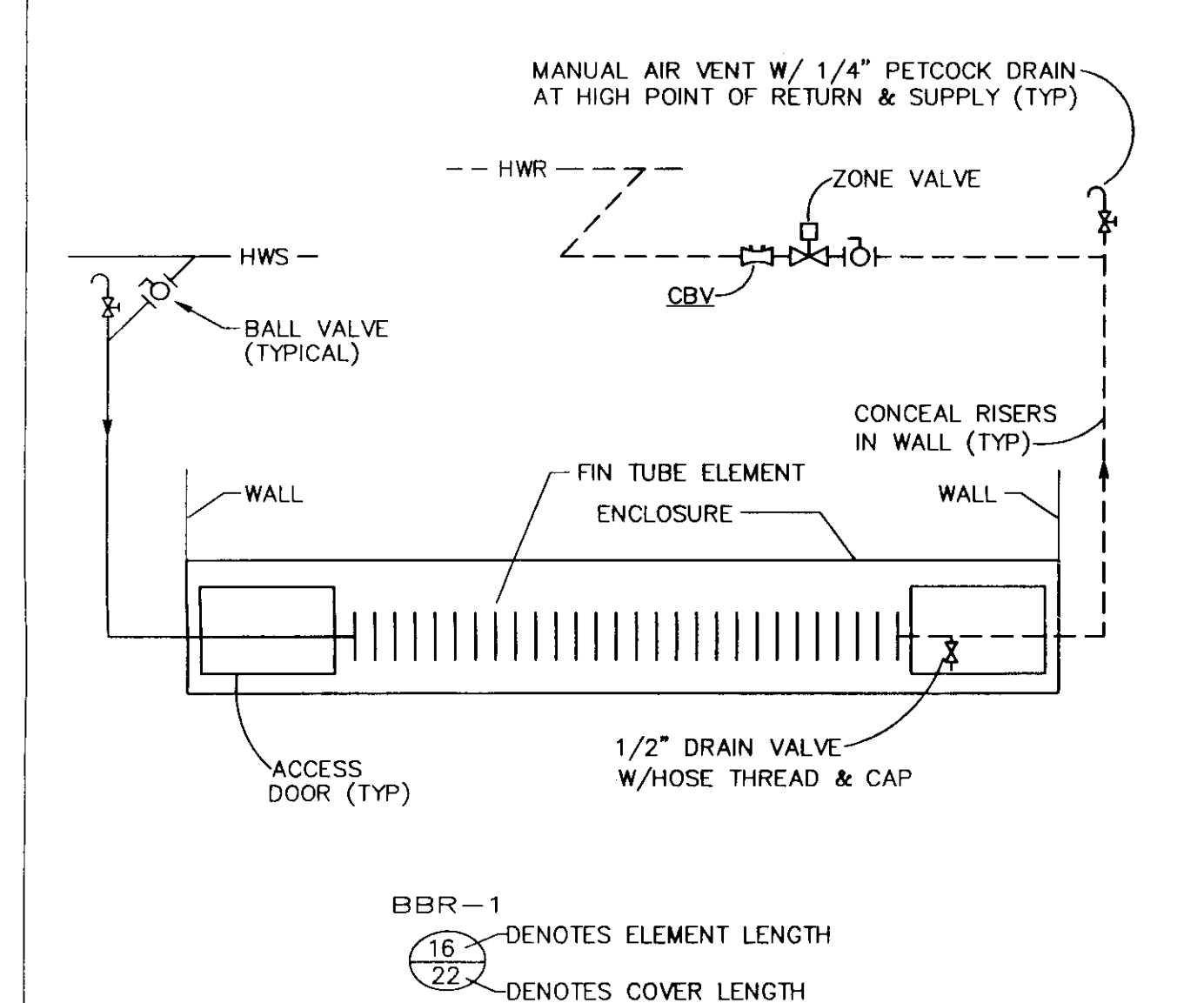


FLEXIBLE DUCT TO BE MAXIMUM OF 12 INCHES LONG.

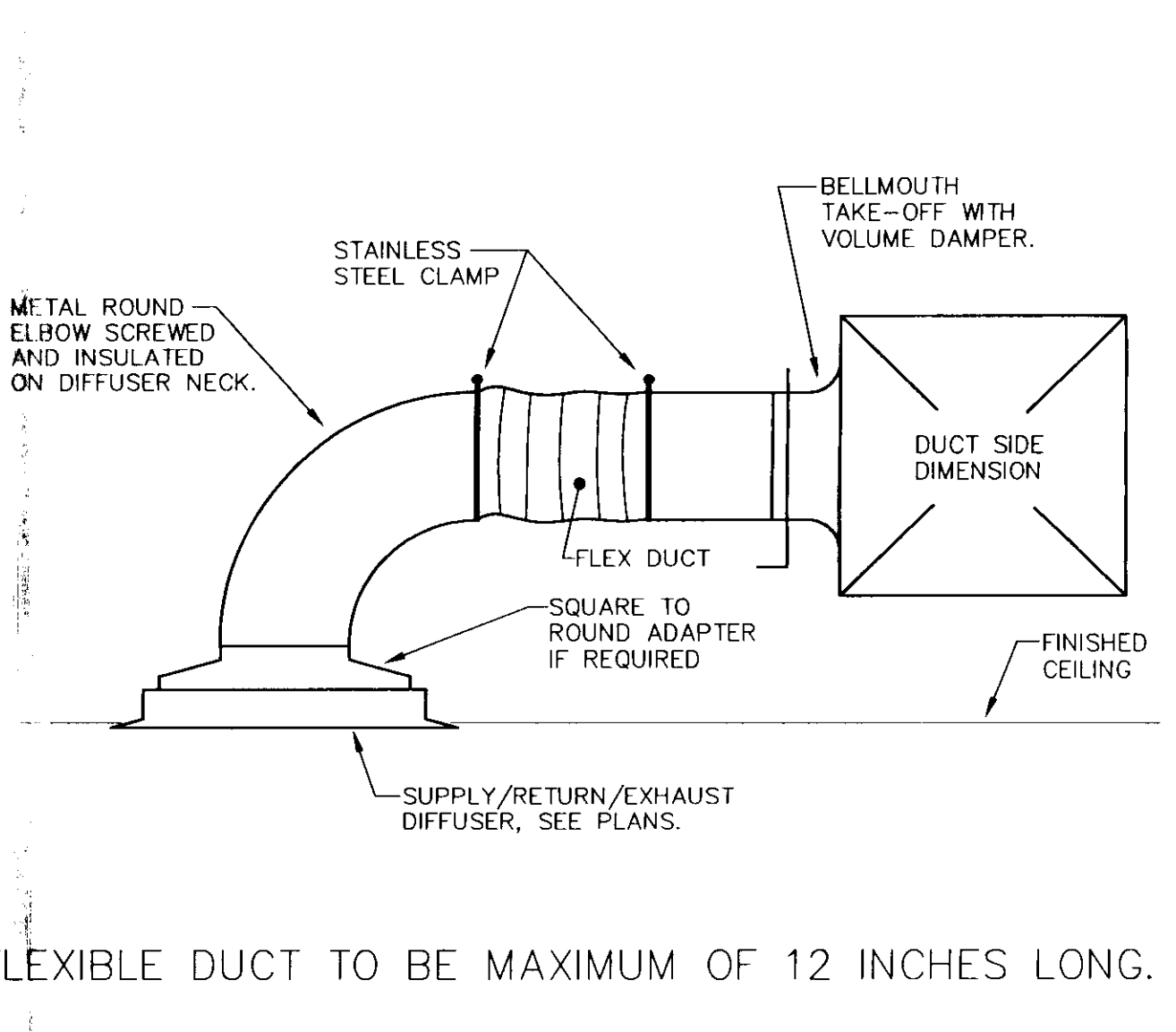
4 TYPICAL RETURN REGISTER DUCT CONNECTION DETAIL  
M3 No Scale



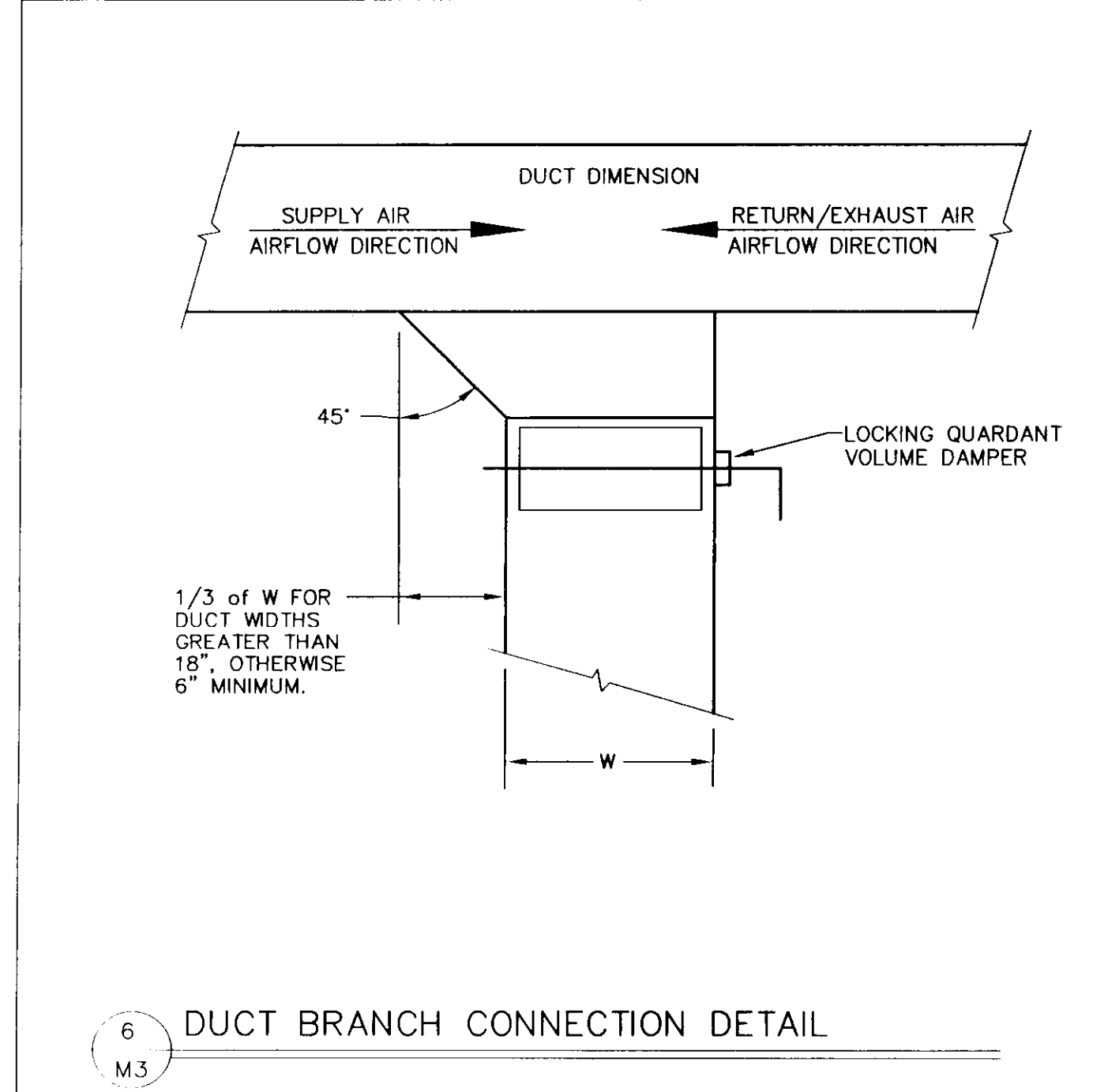
1 TYPICAL RETURN REGISTER DUCT CONNECTION DETAIL  
M3 No Scale



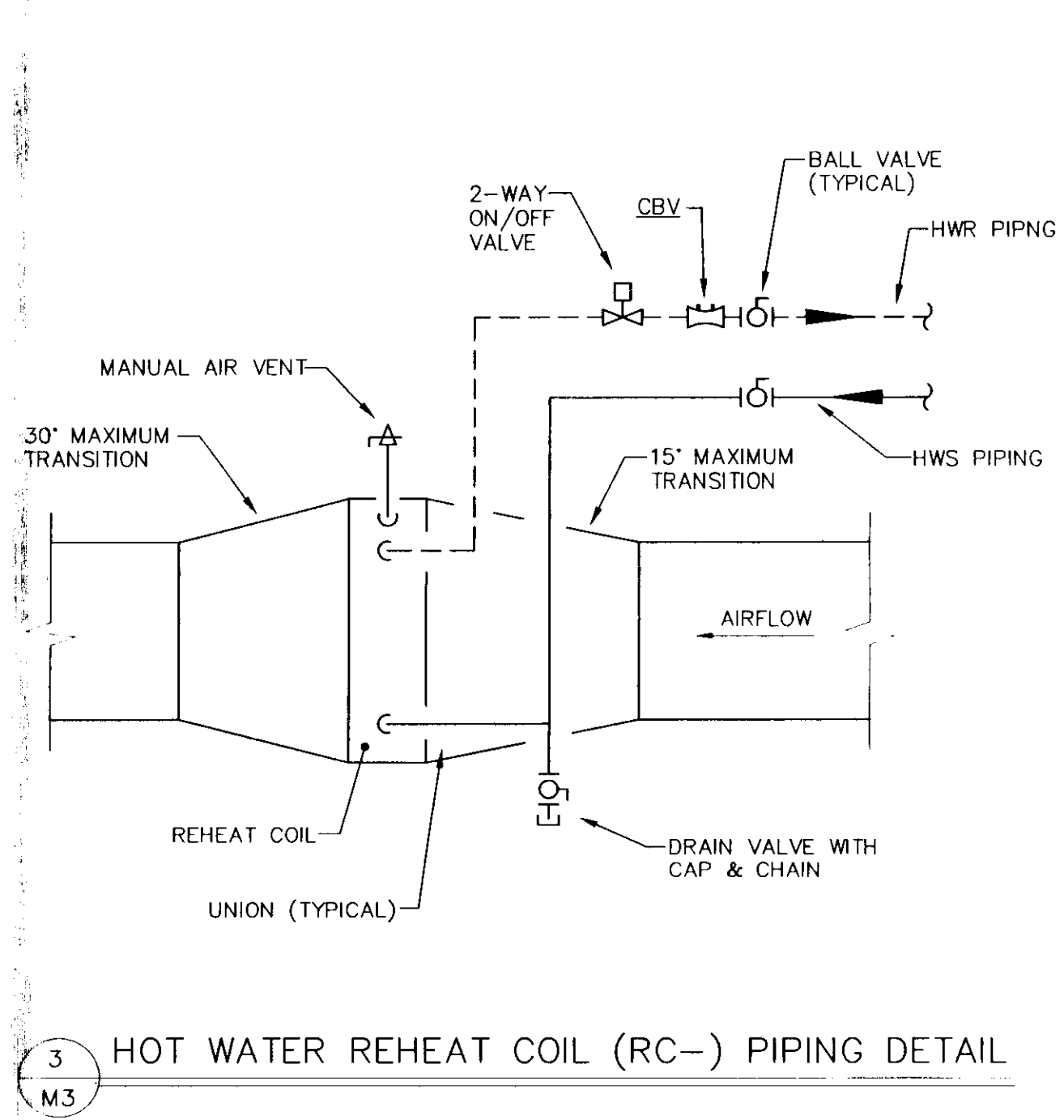
5 TYPICAL BBR-1 BASEBOARD PIPING DETAIL  
M3 No Scale



2 TYPICAL DIFFUSER CONNECTION DETAIL  
M3 No Scale



6 DUCT BRANCH CONNECTION DETAIL  
M3



3 HOT WATER REHEAT COIL (RC-) PIPING DETAIL  
M3

MECHANICAL EQUIPMENT SCHEDULE	
ITEM	DESCRIPTION
BBR-E	EXISTING BASEBOARD RADIATOR TO REMAIN. FINS TO BE CLEANED.
BBR-1	BASEBOARD RADIATOR, 960 BTUH / FT @ 180°F EWT, 4 GPM, 65°F EAT, RITLING MODEL No. FSOD-3/4C-32. 3-1/4"x3-1/4" FINS, 1 ROW, UNIT HEIGHT 20" HIGH, 14 GAUGE ENCLOSURE.
MAU-1	MAKE-UP AIR UNIT. LP GAS DIRECT FIRED, 80°F TEMP RISE, MINIMUM TURNDOWN 25:1, MOTORIZED DAMPER, 2" FILTERS, REMOTE OPERATING PANEL WITH SUMMER/OFF/WINTER, HOOD CENTER 24x12 EXHAUST, BLOWER ON/ALARM, DIRTY FILTER INDICATOR, ROOM SENSOR WEATHERHOOD, 14" HIGH ROOF CURB AND SUPPLEMENTAL CURB, 3500 CFM (0.94 TOTAL SP), 291.1 MBH, DIRECT FIRED, INLET DAMPER, CONTROL CENTER W/DISCONNECTS AND MOTOR STARTERS, WEATHERHOOD WITH BIRDSCREEN, CONVENIENCE OUTLET, 2HP MOTOR, 208/1/60, GREENHECK MODEL No. KSU-110-H20; OR APPROVED EQUAL.
SA	SOUND ATTENUATOR: IAC, MODEL No. 3S-24-18; OR APPROVED EQUAL. SIZED AT +1000 FPM AND IN THE 3rd OCTAVE BAND TO HAVE A REDUCTION OF 16.
KITCHEN HOOD	KITCHEN HOOD-13'-6" FT x 3'-6" FT x 24 IN DEEP, GREENHECK MODEL No. GHEW, 18 GAUGE, TYPE 304 SS. ACCESSORIES TO BE FILTER HOUSING, 3 VAPOR PROOF UL LISTED LIGHT FIXTURES PREWIRED TO JUNCTION BOX. COMPLY WITH NFPA 96, 1 EXHAUST DUCT COLLAR - 24x12, FIRE SUPPRESSION SYSTEM. ALUMINUM FILTERS AND GREASE CUP.
RC-1	REHEAT COIL: 1300 CFM, 49,340 BTU/HR @ 180°F EWT, 150°F LWT, 3.3 GPM, 1.1 WPD(PSIG), 40°F EAT, 75°F LAT, TRANE MODEL TT, 0.05 APD, 92 FPF, 1 ROWS, 433.3 FT/MIN., 24x18 COIL SIZE.
RC-2	REHEAT COIL: 1200 CFM, 47,060 BTU/HR @ 180°F EWT, 150°F LWT, 3.1 GPM, 1.1 WPD(PSIG), 40°F EAT, 75°F LAT, TRANE MODEL TT, 0.03 APD, 80 FPF, 1 ROWS, 320.0 FT/MIN., 30x18 COIL SIZE.
RC-3	REHEAT COIL: 1000 CFM, 37,960 BTU/HR @ 180°F EWT, 150°F LWT, 2.5 GPM, 1.5 WPD(PSIG), 40°F EAT, 75°F LAT, TRANE MODEL TT, 0.09 APD, 107 FPF, 1 ROWS, 571.4 FT/MIN., 18x14 COIL SIZE.
RC-4	REHEAT COIL: 1500 CFM, 56,940 BTU/HR @ 180°F EWT, 150°F LWT, 3.8 GPM, 1.4 WPD(PSIG), 40°F EAT, 75°F LAT, TRANE MODEL TT, 0.07 APD, 100 FPF, 1 ROWS, 500.0 FT/MIN., 24x18 COIL SIZE.

DIFFUSERS & REGISTERS SCHEDULE	
ITEM	DESCRIPTION
SD-1	SUPPLY DIFFUSER: METAL-AIRE, SERIES 5000-6-IV-SPFN, 4-WAY BLOW, 18x18 NECK SIZE, SQUARE TO ROUND ADAPTER, COLOR: OFF-WHITE, ALUMINUM, T-BAR MOUNT (24x24), INDUCTION VANE CORE.
SD-2	SUPPLY DIFFUSER: METAL-AIRE, SERIES 5000-6-IV-SPFN, 2-WAY BLOW, 18x18 NECK SIZE, SQUARE TO ROUND ADAPTER, COLOR: OFF-WHITE, ALUMINUM, T-BAR MOUNT (24x24), INDUCTION VANE CORE.
SD-3	SUPPLY DIFFUSER: METAL-AIRE, SERIES 5000-6-IV-SPFN, 3-WAY BLOW, 18x18 NECK SIZE, SQUARE TO ROUND ADAPTER, COLOR: OFF-WHITE, ALUMINUM, T-BAR MOUNT (24x24), INDUCTION VANE CORE.
SD-4	SUPPLY DIFFUSER: THERMA-FUSER MODEL No. TF-HC, 4-WAY BLOW, 10" NECK SIZE, 24x24 SQUARE DIFFUSER, COLOR: OFF-WHITE, ALUMINUM, T-BAR MOUNT.
RR-1 *	RETURN AIR REGISTER: METAL-AIRE, SERIES H4002RD-45', 24x14 NECK SIZE, SET BLADES TOWARDS CEILING, COLOR: OFF-WHITE, ALUMINUM, WITH OPPOSED BLADE DAMPER.
RR-2 *	RETURN AIR REGISTER: METAL-AIRE MODEL No. CC5, NECK SIZE AS NOTED ON DRAWINGS, COLOR: OFF-WHITE, ALUMINUM, T-BAR MOUNT, WITH OPPOSED BLADE DAMPER.
ER-1 *	EXHAUST AIR REGISTER: METAL-AIRE MODEL No. CC5, 11x11 NECK SIZE WITH SQUARE TO ROUND ADAPTER, COLOR: OFF-WHITE, ALUMINUM, T-BAR MOUNT, WITH OPPOSED BLADE DAMPER.
ER-2 *	EXHAUST AIR REGISTER: METAL-AIRE MODEL No. CC5, 22x22 NECK SIZE WITH SQUARE TO ROUND ADAPTER, COLOR: OFF-WHITE, ALUMINUM, T-BAR MOUNT, WITH OPPOSED BLADE DAMPER.

\* INDICATES TO PAINT THE DUCTWORK BEHIND DIFFUSERS/REGISTERS WITH TWO COATS OF FLAT BLACK PAINT.

EXHAUST FAN SCHEDULE											
TAG	UNIT CFM	TYPE	FAN MOTOR				MOTOR STARTER	DESIGN BASIS			REMARKS
			ESP	MOTOR HP	MAX RPM	VOLTAGE	CUTLER HAMMER	MANUFACTURER	MODEL No.		
EF-1	3500	UPBLAST	1.50	1.5	1725	208/1/60	PART OF MAU-1	GREENHECK	CUBE-180-15	1	
EF-2	700	UPBLAST	0.25	1/4	800	120/1/60	ECN022	GREENHECK	CUBE-130	2	

- ACCESSORIES TO INCLUDE: 12" HIGH ROOF CURB, INTEGRAL FACTORY MOUNTED DISCONNECT SWITCH, BIRDSCREEN, GREASE TRAP W/ DRAIN CONNECTION, BEARINGS WITH GREASE FITTINGS, HEAT BAFFLE AND VENTED CURB EXTENSION OF HEIGHT AS REQUIRED FOR TOP OF FAN DISCHARGE TO BE 40" ABOVE THE ROOF LEVEL.
- ACCESSORIES TO INCLUDE: BACKDRAFT DAMPER, INTEGRAL FACTORY MOUNTED DISCONNECT SWITCH AND BIRDSCREEN.

ROOF TOP UNIT SCHEDULE														
TAG	UNIT CFM	MIN. OA CFM	ESP	FAN MOTOR		ELECTRICAL		DX COOLING COIL			DESIGN BASIS		REMARKS	
				MOTOR HP	MAX RPM	UNIT VOLTAGE	MOTOR STARTER	EAT (°F) (DB/WB)	LAT (°F) (DB/WB)	MBH TOTAL	MBH SENS.	MANUFACTURER		MODEL No.
RTU-1	2500	250	1.25	2.0	1134	208/3ø/60	INTERNAL	95.0/67.0	55.0/55.0	75.0	53.7	TRANE	TC0075C	1
RTU-2	2500	250	1.25	2.0	1134	208/3ø/60	INTERNAL	95.0/67.0	55.0/55.0	75.0	53.7	TRANE	TC0075C	2
RTU-3	2500	250	0.75	2.0	1134	208/3ø/60	INTERNAL	95.0/67.0	55.0/55.0	75.0	53.7	TRANE	TC0075C	3

- ACCESSORIES TO INCLUDE: ECONOMIZER, 14" HIGH ROOF CURB, OVERSIZED MOTOR, LATCH DOORS, BAROMETRIC RELIEF DAMPERS AND DOUBLE WALL CONSTRUCTION.
- ACCESSORIES TO INCLUDE: ECONOMIZER, 14" HIGH ROOF CURB, OVERSIZED MOTOR, LATCH DOORS, BAROMETRIC RELIEF DAMPERS AND DOUBLE WALL CONSTRUCTION.
- ACCESSORIES TO INCLUDE: ECONOMIZER, 14" HIGH ROOF CURB, OVERSIZED MOTOR, LATCH DOORS, BAROMETRIC RELIEF DAMPERS AND DOUBLE WALL CONSTRUCTION.

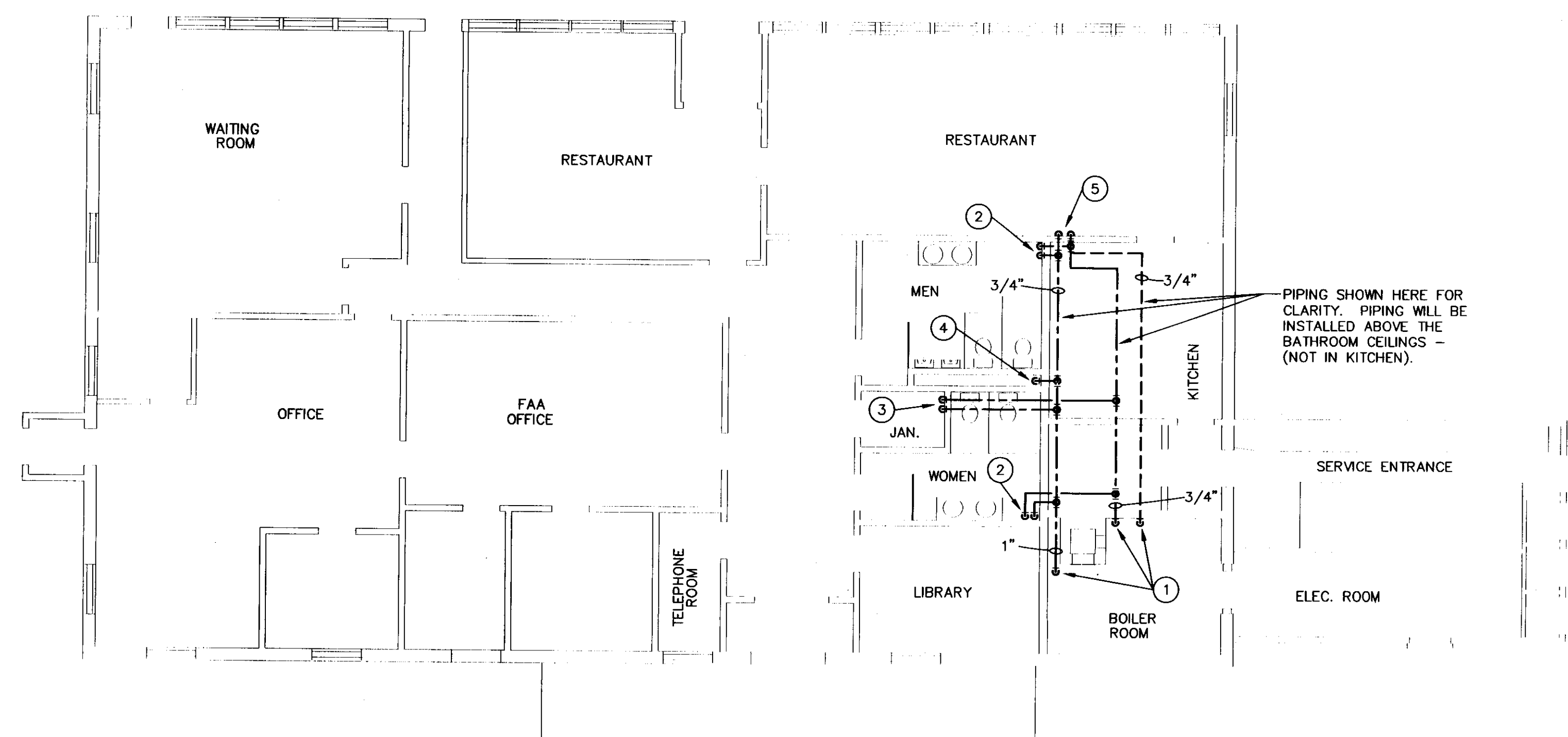
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MECHANICAL RENOVATIONS

DATE: 7/21/2000	SCALE: AS SHOWN	REVISIONS:	CAD FILE: KNAPP3	DWG NO. M-3
DRAWN BY: TJY	APPROVED BY: E.E.P.		SHEET: 5 OF 8	

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**FLOOR PLAN - DOMESTIC WATER PIPING**  
 SCALE: 1/8" = 1'-0"

**GENERAL NOTES:**

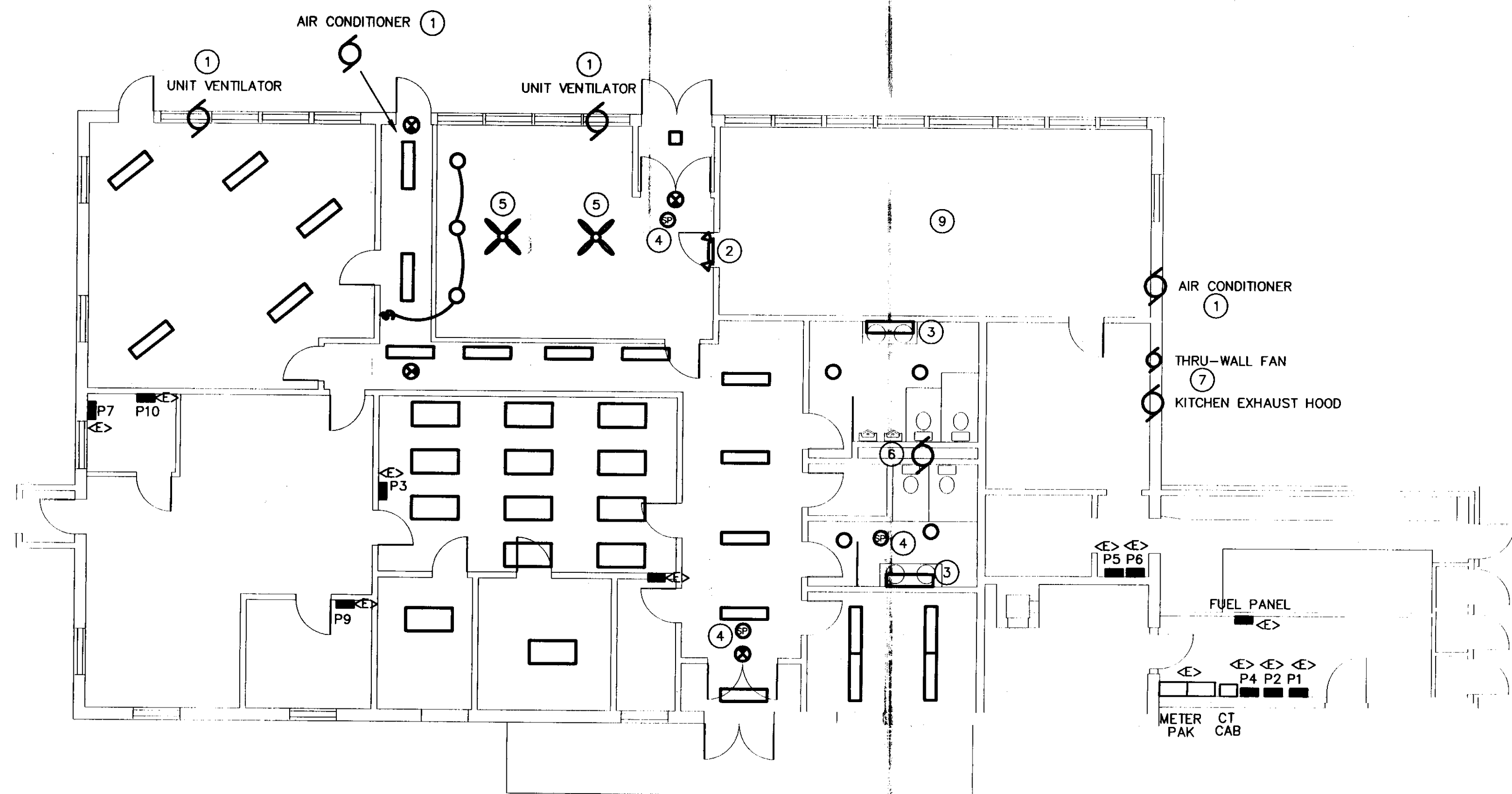
- A. THE EXISTING FACILITY WILL BE OCCUPIED AND FUNCTIONING DURING THE ENTIRE DURATION OF CONSTRUCTION. CARE SHALL BE TAKEN WHEN WORKING IN OR AROUND OCCUPIED SPACES. THERE WILL BE NO INTERRUPTION IN HVAC SYSTEMS OR UTILITIES WITHOUT WRITTEN REQUEST TO, AND APPROVAL FROM THE OWNER.
- B. ALL DOMESTIC HOT AND COLD PIPING TO FIXTURES TO BE 1/2" IN SIZE, UNLESS OTHERWISE NOTED.
- C. COORDINATE ALL PIPING RUNS BEFORE INSTALLATION WITH GC AND MC.

**KEYED NOTES:**

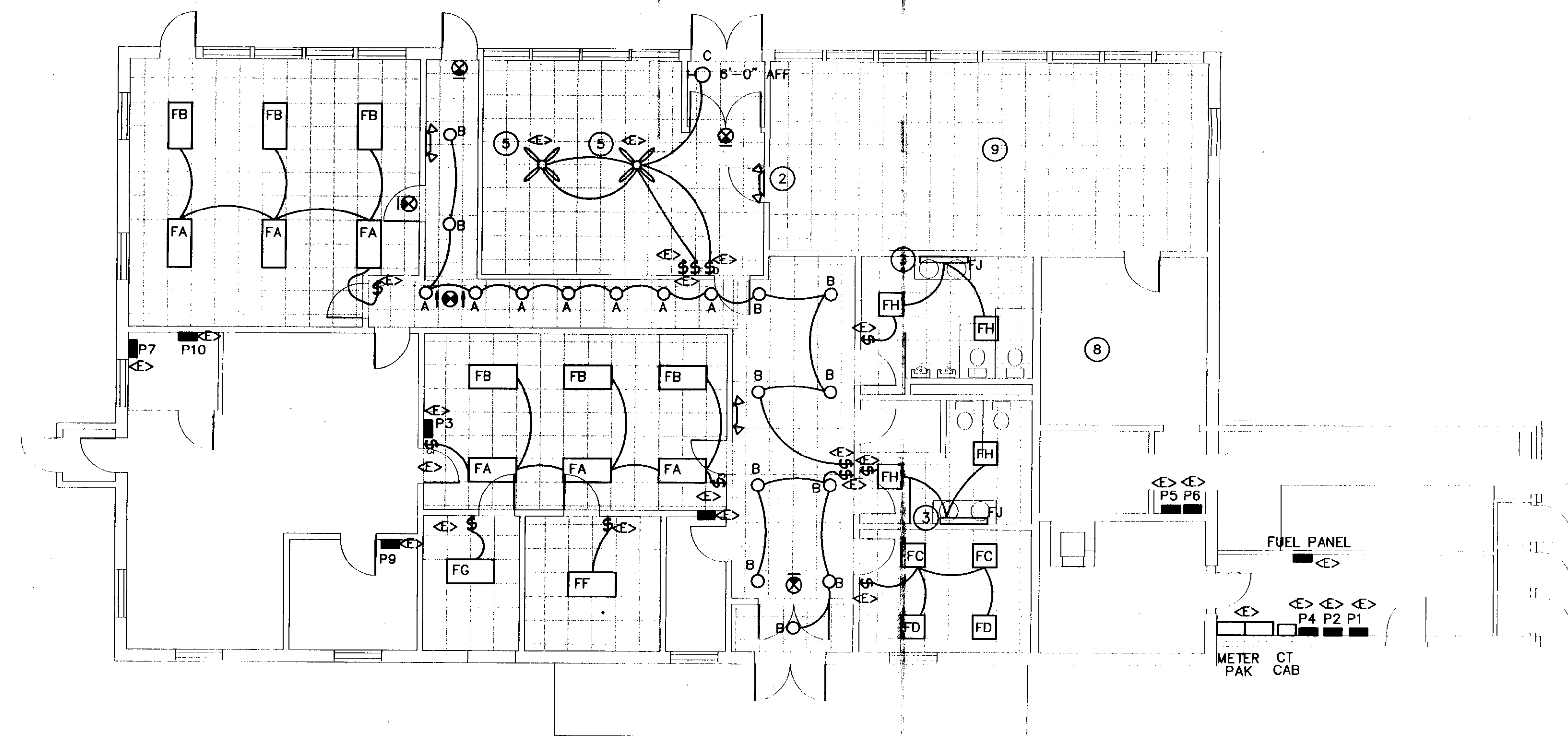
- ① RECONNECT TO EXISTING DOMESTIC COLD, HOT AND 3/4" RECIRC. HOT WATER PIPING FROM FLOOR LEVEL. RUN PIPING UP TO AND IN-BETWEEN ROOF JOISTS.
- ② 1/2" HOT AND COLD WATER LINES DOWN IN CHASE WITH THE HOT WATER HEATING PIPES. COORDINATE WITH MC. RUN ALONG WALL TO UNDERSIDE OF COUNTERTOP. AT SINKS TEE OFF WITH 1/2" TO BOTH HOT AND COLD AND RECONNECT TO EXISTING SINK FEEDS.
- ③ 1/2" HOT AND COLD WATER LINES DOWN ON WALL TO CONNECT TO EXISTING JANITOR'S SINK. COORDINATE WITH GC. SUPPORT TO WALL EVERY 5'-0".
- ④ 1" COLD WATER LINE DOWN IN WALL TO CONNECT TO EXISTING LINE THAT SERVES BATHROOM FIXTURES. COORDINATE WITH GC. SUPPORT TO WALL EVERY 5'-0". GC TO PATCH WALL TO MATCH EXISTING.
- ⑤ 1/2" HOT AND COLD WATER LINES DOWN ON WALL TO CONNECT TO EXISTING BAR SINK. COORDINATE WITH GC. SUPPORT TO WALL EVERY 5'-0".

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MECHANICAL RENOVATIONS				
DATE: 7/21/2000	SCALE: AS SHOWN	REVISIONS:	CAD FILE: KNAPP4	DWG NO. M-4
DRAWN BY: TJY	APPROVED BY: E.E.P.		SHEET: 6 OF 8	

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

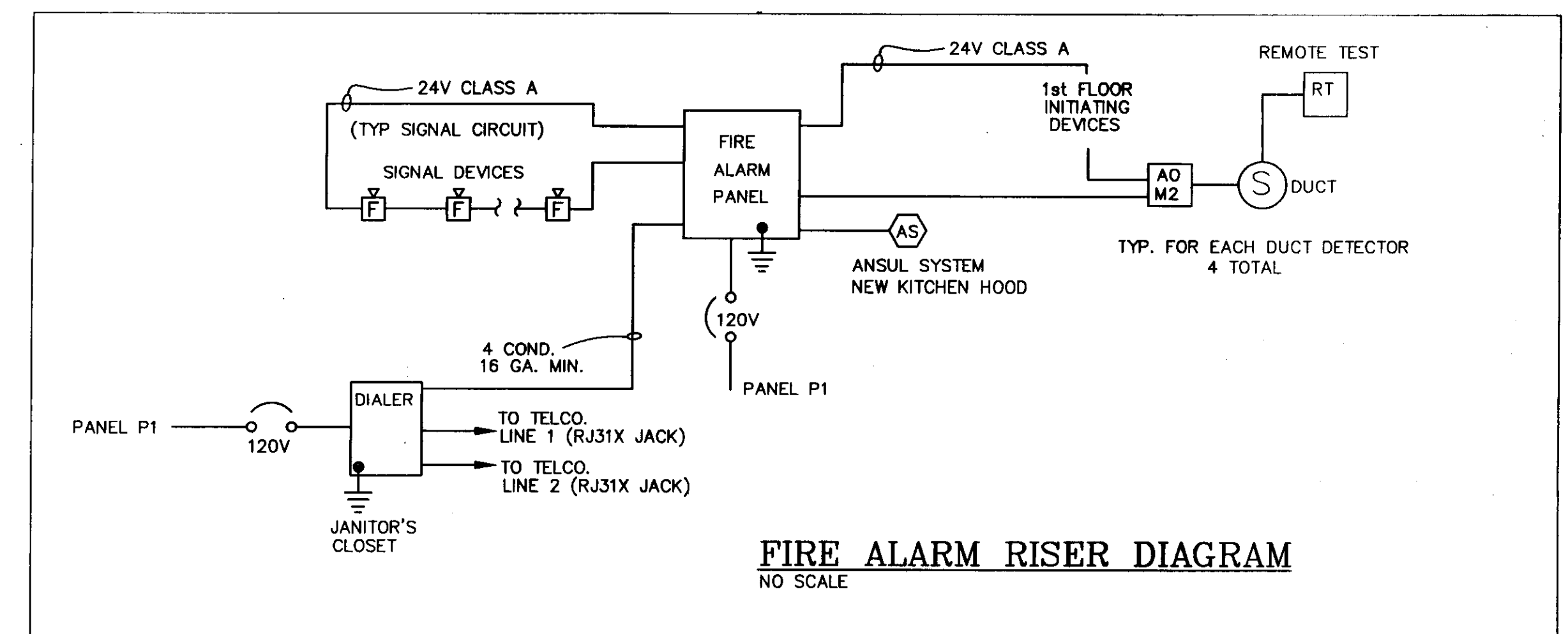


**FLOOR PLAN - ELECTRICAL LIGHTING**  
SCALE: 1/8" = 1'-0"

ELECTRICAL LEGEND	
	FLOURESCENT FIXTURE
	LIGHT FIXTURE
	EXIT LIGHT
	EMERGENCY LIGHT
	SWITCH - SINGLE POLE
	SWITCH - SINGLE POLE WITH OIL BURNER PLATE
	SWITCH - DIMMER
	SWITCH - FAN SPEED CONTROL
	MOTOR STARTER PROV. BY MC, INSTALLED BY EC
	SAFETY DISCONNECT PROV. AND INSTALLED BY EC.
	PANEL
	BRANCH CIRCUIT
	JUNCTION BOX
	DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE - COUNTER HEIGHT
	SPECIAL PURPOSE OUTLET
	120V THERMOSTAT PROVIDED BY MC, INSTALLED BY EC.
	TIMECLOCK
	MOTOR
	CEILING SPEAKER
	FIRE ALARM HORN/STROBE (NUMBER INDICATES CANDELA)
	FIRE ALARM STROBE (NUMBER INDICATES CANDELA)
	MANUAL FIRE ALARM PULL STATION - 48" AFF
	ITEMS TO BE REMOVED, ALL WIRING TO BE REMOVED BACK TO SOURCE
	EC ELECTRICAL CONTRACTOR (DIVISION 16)
	MC MECHANICAL CONTRACTOR (DIVISION 15)
	GC GENERAL CONTRACTOR
	ES EQUIPMENT SUPPLIER
	GFI GROUND FAULT INTERRUPTER
	AFF ABOVE FINISH FLOOR
	EXISTING
	DUCT DUCT SMOKE DETECTOR, LOCATED IN SUPPLY DUCTWORK

- GENERAL NOTES:**
- ALL EXISTING ELECTRICAL PANELS ARE TO REMAIN. REFER TO ONE-LINE DIAGRAM CHANGES TO POWER DISTRIBUTION.
  - EQUIPMENT AND MATERIALS REMOVED OR DEMOLISHED AND NOT TO BE REINSTALLED BY THE EC SHALL BE CLASSIFIED BY THE OWNER AS SALVAGE OR SCRAP. THOSE CLAIMED BY THE OWNER SHALL BE DELIVERED TO THE OWNER BY THE EC WHERE DIRECTED AT THE SITE. THOSE NOT CLAIMED BY THE OWNER SHALL BECOME PROPERTY OF THE EC AND SHALL BE LEGALLY REMOVED FROM THE SITE AND PREMISES.
  - ANY PLACE WHERE THE CONTRACTOR PENETRATES, CUTS AND/OR REMOVES WALLS, CEILINGS, OR WOODWORK, CONTRACTOR IS TO REPLACE, PATCH AND PAINT FINISH SURFACES TO ORIGINAL FINISHES.
  - FIELD VERIFY ALL DIMENSIONS BEFORE COMMENCEMENT OF WORK. NOTIFY ENGINEER OF ANY ERRORS.
  - REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR FINAL LOCATIONS OF LIGHTS.
  - REFER TO THE ARCHITECTURAL PLANS FOR EXTENT OF DEMOLITION WORK TO BE PERFORMED.
  - ALL UNUSED, DISCONNECTED, AND ABANDONED WRING AND CONDUIT TO BE REMOVED BACK TO SOURCE.
  - STARTERS ARE PROVIDED BY MC, INSTALLED BY EC. EC TO PROVIDE ALL DISCONNECT SWITCHES UNLESS SHOWN OTHERWISE.
  - THE EXISTING FACILITY WILL BE OCCUPIED AND FUNCTIONING DURING THE ENTIRE DURATION OF CONSTRUCTION. CARE SHOULD BE TAKEN WHEN WORKING IN OR AROUND OCCUPIED SPACES. THERE WILL BE NO INTERRUPTION IN POWER WITHOUT
  - ALL RECEPTACLES AND DEVICES TO REMAIN SHALL HAVE COVERS.
  - REFER TO THE ARCHITECTURAL PLANS FOR EXTENT OF DEMOLITION WORK TO BE PERFORMED BY THE GENERAL CONTRACTOR. ALL ITEMS REQUIRED TO BE REMOVED SHALL HAVE THE POWER DISCONNECTED BY THE EC.
  - WHEREVER NEW MECHANICAL INSTALLATIONS INTERFERE WITH EXISTING ELECTRICAL EQUIPMENT AND/OR CONDUIT, THE EC SHALL MOVE THE ELECTRICAL DEVICE TO ACCOMMODATE THE NEW MECHANICAL INSTALLATION. EC AND MC SHALL COORDINATE ALL INSTALLATIONS.

- KEYED NOTES:**
- REMOVE AIR CONDITIONER AND UNIT VENTILATOR FEEDERS AND ALL OTHER ASSOCIATED WIRING BACK TO SOURCE.
  - REMOVE EXISTING EMERGENCY LIGHT, STORE, REINSTALL BELOW NEW SUSPENDED CEILING. REFER TO NEW LIGHTING PLAN.
  - REMOVE EXISTING FIXTURE, REPLACE WITH NEW, REFER TO NEW LIGHTING PLAN.
  - REMOVE EXISTING SPEAKER AND ALL WIRING BACK TO SOURCE.
  - EXISTING FANS TO REMAIN, COORDINATE WITH CEILING INSTALLER TO REMOVE AND REINSTALL IN SAME LOCATION. MOUNTING MAY REMAIN, MOVE EXISTING ESCUTCHEON TO NEW CEILING.
  - EXISTING FAN ON ROOF TO BE REPLACED, DISCONNECT POWER AS REQUIRED. REFER TO NEW POWER PLAN FOR NEW FAN LOCATION. COORDINATE WITH MC.
  - REMOVE ALL WIRING ASSOCIATED WITH EXISTING KITCHEN HOOD AND THRU-WALL FAN.
  - COORDINATE KITCHEN LIGHT LOCATIONS WITH NEW MECHANICAL INSTALLATIONS. MOVE LIGHTS AND/OR CONDUIT AND WIRING AS NEEDED.
  - PORTIONS OF EXISTING CEILING WILL NEED TO BE REMOVED AND REPLACED. EC SHALL REMOVE AND REPLACE LIGHT FIXTURES AS REQUIRED FOR NEW DUCTWORK. COORDINATE WITH MC.



**FIRE ALARM RISER DIAGRAM**  
NO SCALE

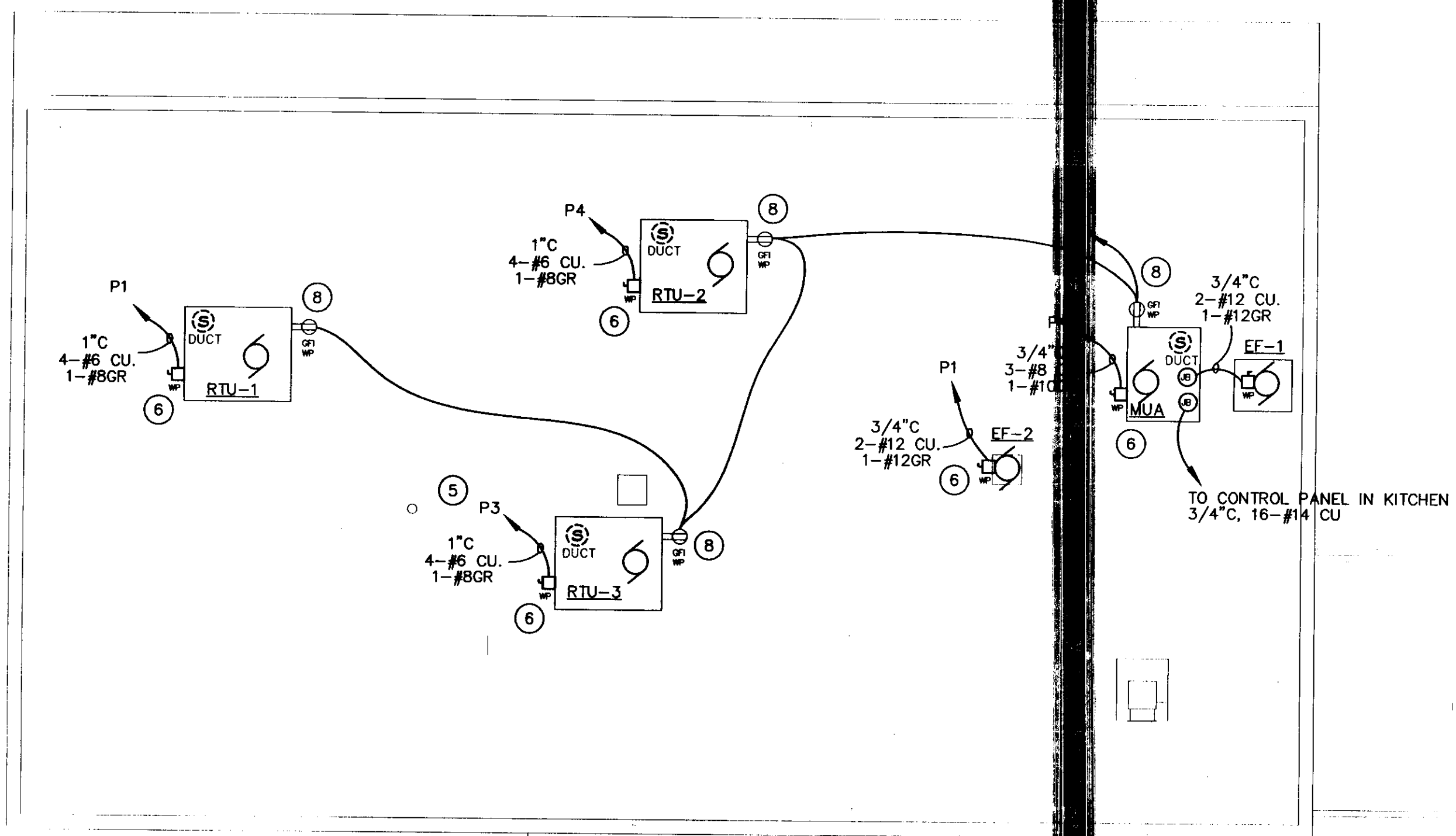
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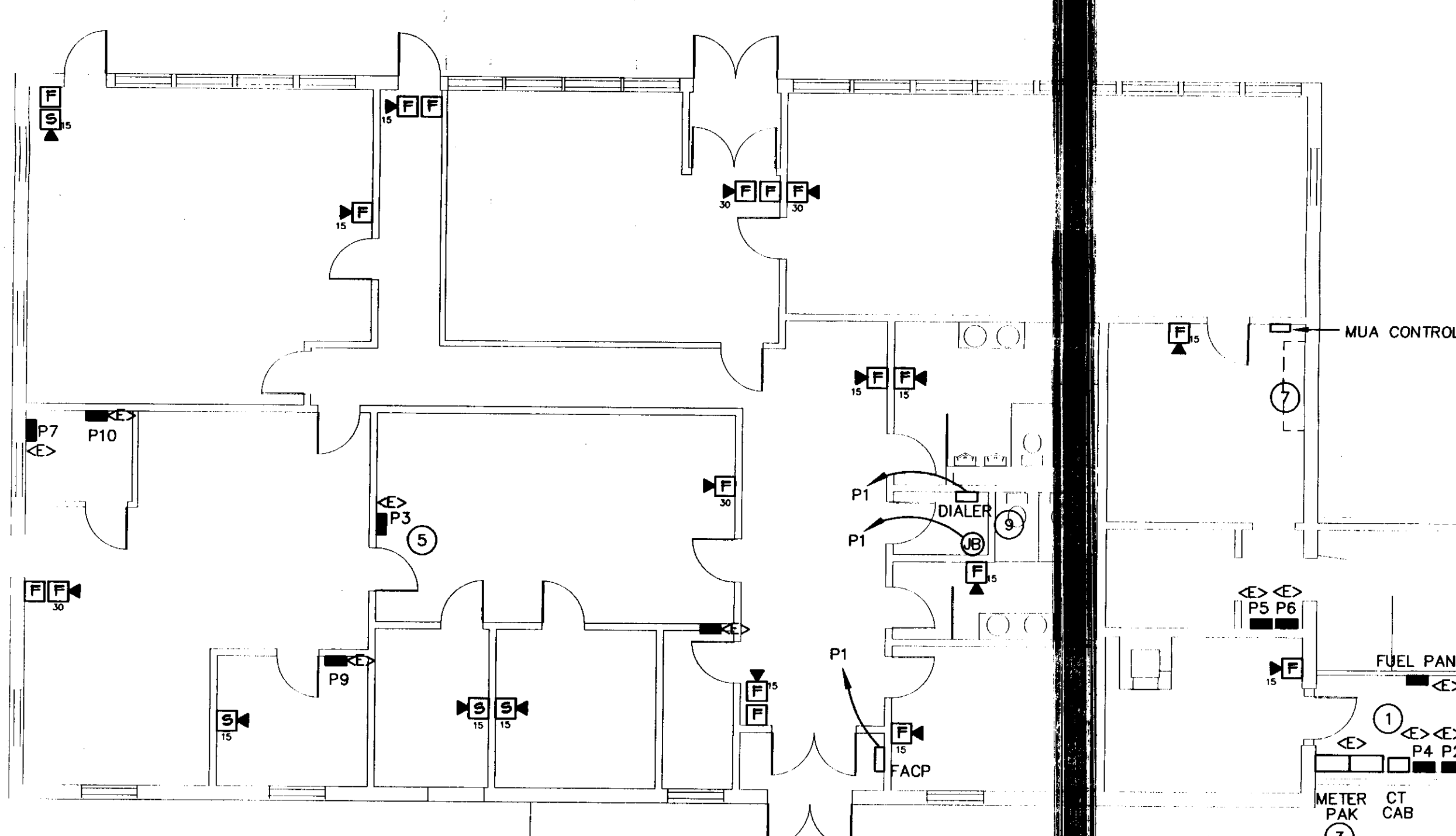
ELECTRICAL RENOVATIONS

DATE: 7/21/2000	SCALE: AS SHOWN	REVISIONS:	CAD FILE: KNAPPE1	DWG NO. E-1
DRAWN BY: ASG	APPROVED BY: E.E.P.		SHEET: 7 OF 8	

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**ROOF PLAN - ELECTRICAL**  
SCALE: 1/8" = 1'-0"



**FLOOR PLAN - ELECTRICAL POWER**  
SCALE: 1/8" = 1'-0"

**GENERAL NOTES:**

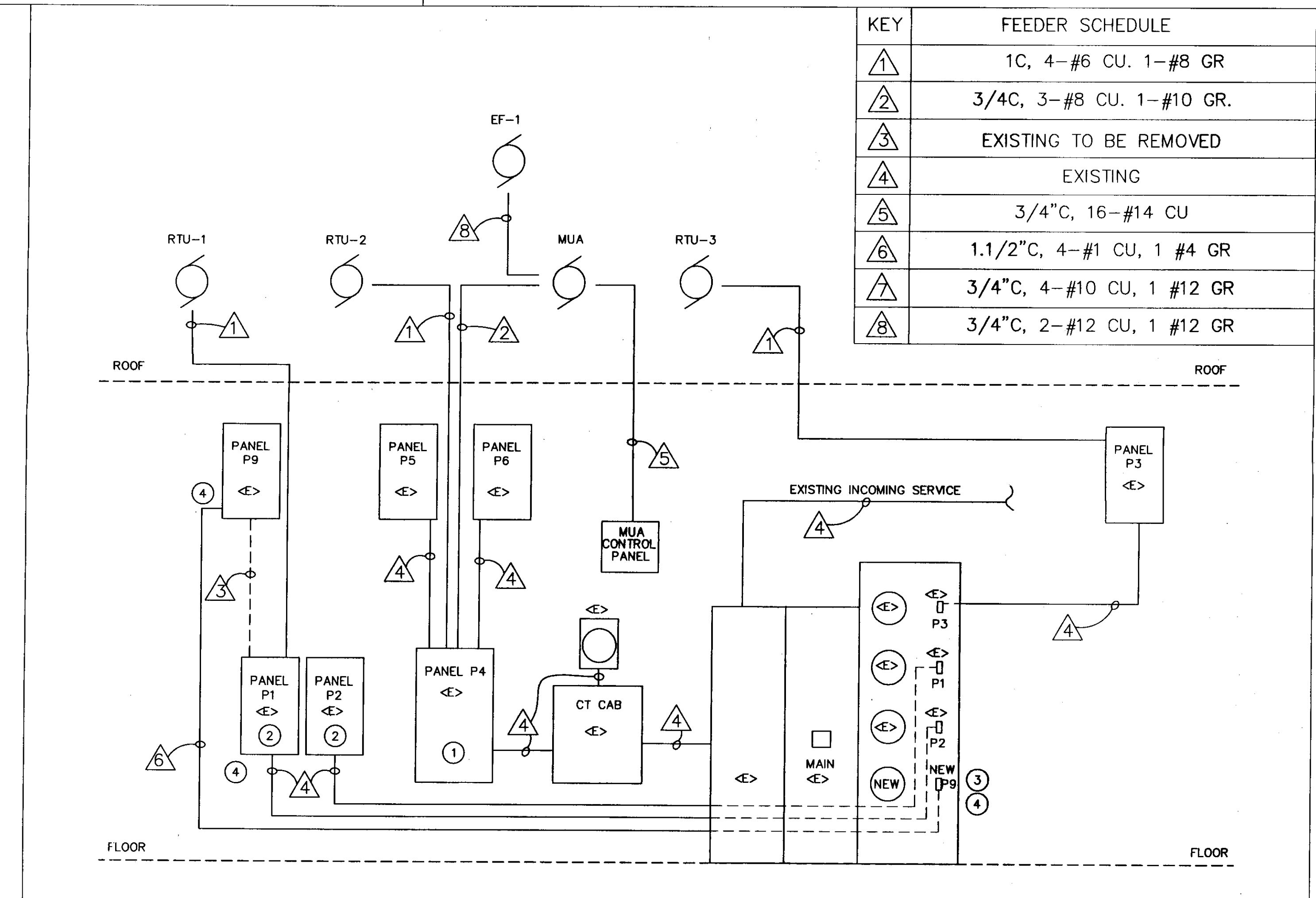
- A. ALL EXISTING ELECTRICAL PANELS ARE TO REMAIN. REFER TO ONE-LINE DIAGRAM CHANGES TO POWER DISTRIBUTION.
- B. EQUIPMENT AND MATERIALS REMOVED OR DEMOLISHED AND NOT TO BE REINSTALLED BY THE EC SHALL BE CLASSIFIED BY THE OWNER AS SALVAGE OR SCRAP. THOSE CLAIMED BY THE OWNER SHALL BE DELIVERED TO THE OWNER BY THE EC WHERE DIRECTED AT THE SITE. THOSE NOT CLAIMED BY THE OWNER SHALL BECOME PROPERTY OF THE EC AND SHALL BE LEGALLY REMOVED FROM THE SITE AND PREMISES.
- C. ANY PLACE WHERE THE CONTRACTOR PENETRATES, CUTS AND/OR REMOVES WALLS, CEILINGS, OR WOODWORK, CONTRACTOR IS TO REPLACE, PATCH AND PAINT FINISH SURFACES TO ORIGINAL FINISHES.
- D. FIELD VERIFY ALL DIMENSIONS BEFORE COMMENCEMENT OF WORK. NOTIFY ENGINEER OF ANY ERRORS.
- E. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR FINAL LOCATIONS OF LIGHTS.
- F. REFER TO THE ARCHITECTURAL PLANS FOR EXTENT OF DEMOLITION WORK TO BE PERFORMED.
- G. ALL UNUSED, DISCONNECTED, AND ABANDONED WIRING AND CONDUIT TO BE REMOVED BACK TO SOURCE.
- H. STARTERS ARE PROVIDED BY MC, INSTALLED BY EC. EC TO PROVIDE ALL DISCONNECT SWITCHES UNLESS SHOWN OTHERWISE.
- I. THE ENTIRE FACILITY WILL BE OCCUPIED AND FUNCTIONING DURING THE ENTIRE DURATION OF CONSTRUCTION. CARE SHOULD BE TAKEN WHEN WORKING IN OR AROUND OCCUPIED SPACES. THERE WILL BE NO INTERRUPTION IN POWER WITHOUT.
- J. ALL RECEPTACLES AND DEVICES TO REMAIN SHALL HAVE COVERS.
- K. REFER TO THE ARCHITECTURAL PLANS FOR EXTENT OF DEMOLITION WORK TO BE PERFORMED BY THE GENERAL CONTRACTOR. ALL ITEMS REQUIRED TO BE REMOVED SHALL HAVE THE POWER DISCONNECTED BY THE EC.
- L. WHEREVER NEW MECHANICAL INSTALLATIONS INTERFERE WITH EXISTING ELECTRICAL EQUIPMENT AND/OR CONDUIT, THE EC SHALL MOVE THE ELECTRICAL DEVICE TO ACCOMMODATE THE NEW MECHANICAL INSTALLATION. EC AND MC SHALL COORDINATE ALL INSTALLATIONS.

**LIGHTING FIXTURE SCHEDULE**

TYPE	MANUFACTURER & MODEL NUMBER	MOUNTING	LAMPS	VOLT	REMARKS
FA/FB	COLUMBIA 4PS24-332G-FSA12-3EB8 MS9-120	RECESSED	3-F032T8-75 CRI-3K	120	MASTER/SLAVE, 9' WHIP
FC/FD	COLUMBIA 4PS22-317G-FSA12-EB8 MS9-120	RECESSED	3-F017T8-75 CRI-3K	120	MASTER/SLAVE, 9' WHIP
FH	COLUMBIA 4PS22-317G-FSA12-EB8	RECESSED	3-F017T8-75 CRI-3K	120	
FG	COLUMBIA 4PS24-332G-FSA12-3EB8	RECESSED	3-F032T8-75 CRI-3K	120	
FJ	COLUMBIA WAL4-132-EBB120	SURFACE	1-F032T8-75 CRI-3K	120	
FF	COLUMBIA 4PS24-432G-FSA12-4EBB120	SURFACE	4-F032T8-75 CRI-3K	120	
A	ELLIPTIPAR F211-H142-L-02-1-000	SEMI RECESSED	1-32 WATT HEX CRI-3K	120	
B	KIRLIN RR80602-91	RECESSED	1-32 WATT TRIPLE	120	
C	TERON CY113	SURFACE	1-13 WATT PL	120	
	PRESCOLITE EDS2-EV1	SURFACE	WITH UNIT	120	
	PRESCOLITE LED EXIT LIGHT LED-R-1-NB-W	SURFACE		120	
	PRESCOLITE LED EXIT LIGHT LED-R-2-NB-W	SURFACE		120	

**KEY**

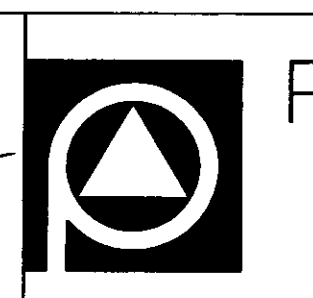
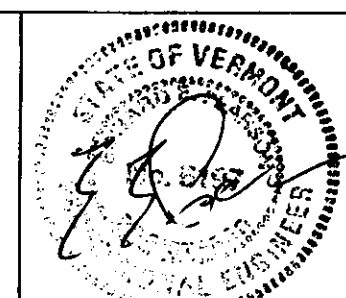
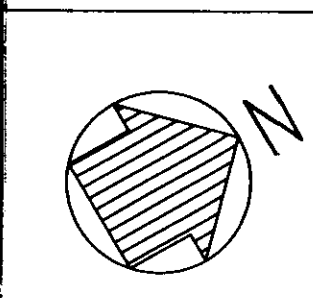
KEY	FEEDER SCHEDULE
1	1C, 4-#6 CU, 1-#8 GR
2	3/4C, 3-#8 CU, 1-#10 GR.
3	EXISTING TO BE REMOVED
4	EXISTING
5	3/4"C, 16-#14 CU
6	1.1/2"C, 4-#1 CU, 1 #4 GR
7	3/4"C, 4-#10 CU, 1 #12 GR
8	3/4"C, 2-#12 CU, 1 #12 GR



**PARTIAL ELECTRICAL ONE-LINE DIAGRAM**  
NO SCALE

- KEYED NOTES:**
- 1 EXISTING PANEL P4 IS A GE "A" SERIES PANELBOARD, CAT. # AOF3244. USE TYPE THQB BREAKERS, 60 AMP, 3-POLE FOR RTU-2.
  - 2 EXISTING PANELS P1 & P2 ARE A GE "A" SERIES PANELBOARD, CAT. # AF49SN. USE TYPE THQB BREAKERS, 60 AMP, 3-POLE FOR RTU-1.
  - 3 EXISTING METER PAK IS A GE CAT. # TMR312422R, METER MOD III. USE 125 AMP, 3-POLE, TYPE TEB BREAKER TO FEED PANEL P9.
  - 4 PROVIDE NEW 125 AMP FEEDER TO EXISTING PANEL P9. REMOVE EXISTING PANEL FEED. PANEL P9 FEEDER TO BE MOVED FROM PANEL P1 TO THE METER PAK AS SHOWN. COORDINATE WORK WITH GMP FOR NEW METERED ELECTRIC SERVICE FOR OFFICE.
  - 5 NEW RTU-3 TO BE FED FROM NEW 3-POLE, 60 AMP BREAKER FROM PANEL P3.
  - 6 DISCONNECTS PROVIDED BY EC, WIRED BY EC.
  - 7 ANSUL SYSTEM LOCATED IN NEW KITCHEN HOOD.
  - 8 WEATHERPROOF, GFI RECEPTACLE MOUNTED ON ROOFTOP UNIT.
  - 9 PROVIDE TWO PHONE LINES, COORDINATE DIALER DIAL-OUT NUMBER WITH OWNER.

Poor Quality



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STATE OF VERMONT  
DEPARTMENT OF BUILDINGS and GENERAL SERVICES  
AGENCY OF ADMINISTRATION  
MONTPELIER, VERMONT

**E. F. KNAPP AIRPORT TERMINAL**  
BERLIN, VERMONT

**ELECTRICAL RENOVATIONS**

DATE: 7/21/2000	SCALE: AS SHOWN	REVISIONS:	CAD FILE: KNAPPE2	DWG NO. E-2
DRAWN BY: ASG	APPROVED BY: E.E.P.		SHEET: 8 OF 8	