

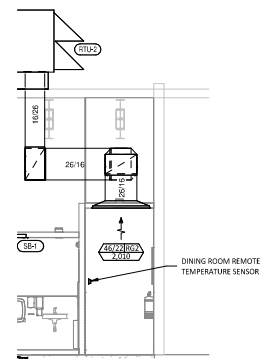


**HVAC PLAN NOTES**

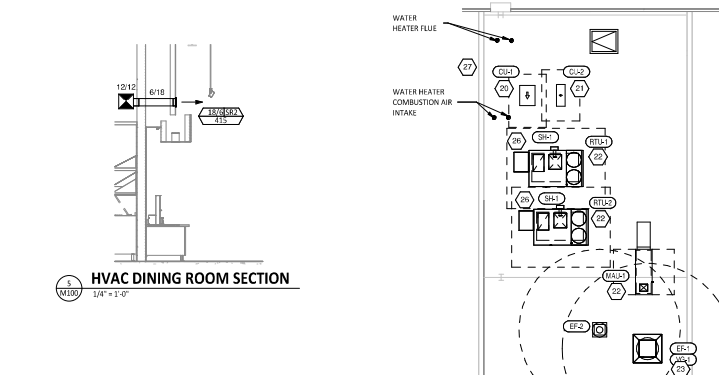
- SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR CEILING MOUNTED EQUIPMENT LOCATION. TYPICAL.
- PAINT DUCTWORK VISIBLE THROUGH DINING ROOM SUPPLY REGISTERS BLACK. TYPICAL.
- NOT USED.
- 28/16 DUCT UP FOR TRANSITION TO RTU-1 RETURN CONNECTION IN ROOF CURB. RTU-1 SHALL HAVE AN INTEGRAL SMOKE DETECTOR MOUNTED IN THE RETURN AIR STREAM. INTERLOCK SMOKE DETECTOR TO RTU-1 OPERATION.
- 26/16 DUCT UP FOR TRANSITION TO RTU-2 RETURN CONNECTION IN ROOF CURB. RTU-2 SHALL HAVE AN INTEGRAL SMOKE DETECTOR MOUNTED IN THE RETURN AIR STREAM. INTERLOCK SMOKE DETECTOR TO RTU-2 OPERATION.
- 28/16 DUCT UP FROM BUILDING SUPPLY THROUGH ROOF. TRANSITION TO RTU-1 SUPPLY CONNECTION IN ROOF CURB.
- 26/16 DUCT UP FROM BUILDING SUPPLY TO RTU-2 SUPPLY CONNECTION. TRANSITION IN ROOF CURB.
- 14/14 DUCT UP THROUGH ROOF. TRANSITION TO MAU-1 SUPPLY CONNECTION IN ROOF CURB.
- 15/16 DUCT UP FROM HOOD THROUGH ROOF TO EF-1 COMPLIANT WITH NFPA 96. PROVIDE RADIUS/ELBOWS WITH AN INSIDE RADIUS OF 8.5W AT ELBOWS IN GREASE DUCT.
- 8/6 DUCT UP THROUGH ROOF TO EF-2.
- 28/6 DUCT DOWN TO MAKEUP AIR PSP DUCT CONNECTION. TRANSITION TO SUPPLY PLENUM OPENING SIZE. TYPICAL FOR 3.
- 8" DIA. DUCT DOWN TO AC PSP DUCT CONNECTION. TRANSITION TO SUPPLY PLENUM OPENING SIZE. TYPICAL. CAP UNUSED DUCT CONNECTIONS.
- INSTALL SINGLE GANG VERTICAL J BOX FOR GRIDPOINT THERMOSTATS FURNISHED BY TEMS FOR RTU-1 AND RTU-2 AT THIS LOCATION AT 48" AFF. COORDINATE WITH ELECTRICAL SWITCHING IN THIS AREA. PROVIDE WIRING AS SHOWN IN DETAIL 8/E710.
- INSTALL GRIDPOINT ZONE SENSOR MODULE FURNISHED BY TEMS FOR RTU-1 AT THIS LOCATION 72" AFF DIRECTLY TO WALL (NO JUNCTION BOX). COORDINATE LOCATION WITH EQUIPMENT. PROVIDE WIRING AS SHOWN IN DETAIL 8/E710.
- INSTALL GRIDPOINT ZONE SENSOR MODULE FURNISHED BY TEMS FOR RTU-2 AT THIS LOCATION 66" AFF DIRECTLY TO WALL (NO JUNCTION BOX). COORDINATE LOCATION WITH EQUIPMENT. PROVIDE WIRING AS SHOWN IN DETAIL 8/E710.
- INSTALL GRIDPOINT SUPPLY PROBE FURNISHED BY TEMS FOR RTU-1 IN THE SUPPLY DUCTWORK UPSTREAM FROM THE FIRST BRANCH CONNECTION. PROVIDE WIRING AS SHOWN IN DETAIL 8/E710.
- INSTALL GRIDPOINT SUPPLY PROBE FURNISHED BY TEMS FOR RTU-2 IN THE SUPPLY DUCTWORK UPSTREAM FROM THE FIRST BRANCH CONNECTION. PROVIDE WIRING AS SHOWN IN DETAIL 8/E710.
- INSTALL REMOTE TEMPERATURE SENSOR FOR HOOD HD-1 AT THIS LOCATION 72" AFF. COORDINATE LOCATION WITH EQUIPMENT. PROVIDE (2) #18 G. THERMISTOR CABLE FROM TEMPERATURE SENSOR TO HOOD CONTROL PANEL.
- INSTALL KITCHEN HOOD, HD-1. SUPPORT HOOD PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. INSTALL HOOD ACCORDING TO THE REQUIREMENTS OF ITS LISTING, IN COMPLIANCE WITH NFPA 96, THE BUILDING CODE, AND AUTHORITIES HAVING JURISDICTION. HOOD SHALL HAVE AN INTEGRAL DUCT COOLAR TEMPERATURE SENSOR TO AUTOMATICALLY INFLUENCE THE EXHAUST AND MAKEUP AIR FANS IF COOKING TEMPERATURES ARE DETECTED. EXHAUST DUCT SYSTEM TO BE WELDED OR FACTORY-MANUFACTURED WATER AND AIR TIGHT. INSTALL CLEANOUTS PER CODE AND AS SHOWN. INSTALL HOOD PER DETAILS 2, 4, AND 5/M700. CHPTOLE WILL PROVIDE AN INDEPENDENT TESTING AGENCY FOR TESTING THE INTEGRITY OF THE GREASE DUCT SYSTEM.

**HVAC PLAN NOTES**

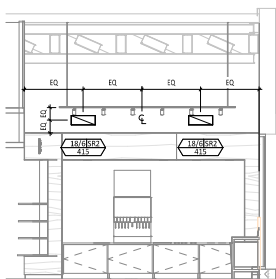
- INSTALL REMOTE CONDENSING UNIT FOR WALK-IN COOLER ON ROOF AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. INSTALL REFRIGERANT LINE SET, THERMOSTATIC EXPANSION VALVE, SOLENOID VALVE, TEMPERATURE CONTROL, SIGHT GLASS, FILTER DRIER, PRESSURE CONTROL, LOW AMBIENT CONTROLS, AND WEATHERPROOF HOUSING. TRAP AND SLOPE REFRIGERANT LINES PER MANUFACTURER'S RECOMMENDATIONS. INSTALLATION SHALL COMPLY WITH ASHRAE AND STANDARD 15. INSTALL THE REFRIGERANT LINE SET UNDER THE ROOF DECK TO WITHIN 3' OF THE CONDENSING UNIT. CUT 2-1/2" HOLE IN WALK-IN COOLER ROOF FOR REFRIGERANT LINE SET AND SEAL PER THE COOLER MANUFACTURER'S INSTALLATION INSTRUCTIONS AFTER LINE SET IS INSTALLED.
- INSTALL REMOTE CONDENSER FOR ICE MACHINE ON ROOF AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. INSTALL REFRIGERANT LINE SET, THERMOSTATIC EXPANSION VALVE, SOLENOID VALVE, TEMPERATURE CONTROL, SIGHT GLASS, FILTER DRIER, PRESSURE CONTROL, LOW AMBIENT CONTROLS, AND WEATHERPROOF HOUSING. TRAP AND SLOPE REFRIGERANT LINES PER MANUFACTURER'S RECOMMENDATIONS. SEAL PIPING PENETRATIONS THROUGH ROOF. INSTALLATION SHALL COMPLY WITH ASHRAE AND STANDARD 15. INSTALL THE REFRIGERANT LINE SET UNDER THE ROOF DECK TO WITHIN 3' OF THE REMOTE CONDENSER. IF REFRIGERANT PIPING TO ICE MAKER IS EXPOSED TO PUBLIC VIEW CONCEAL WITHIN A STAINLESS STEEL SHROUD AS SHOWN IN THE ARCHITECTURAL DRAWINGS.
- INSTALL ROOFTOP EQUIPMENT PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- INSTALL EXHAUST FAN EF-1 PER DETAIL 5/M700 AND AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. INSTALL GREASE PROGUARD SYSTEM FURNISHED BY CHPTOLE ON EXHAUST FAN, EF-1.
- PROVIDE SUPPLY DIFFUSER CONNECTION TO SUPPLY SYSTEM PER DETAIL 1/M700. TYPICAL.
- PROVIDE AUDIO VISUAL REMOTE SMOKE DETECTOR ANNUNCIATOR WITH REMOTE KEY OPERATED RESET. WIRE A UNIT BACK TO EACH SMOKE DETECTOR. MOUNT UNIT 60" AFF. TYPICAL.
- INSTALL REME HALO AIR PURIFIER FURNISHED BY TUV IN RTU PER DETAIL 6/M700. SEE ELECTRICAL DRAWINGS FOR POWER CONNECTION INFORMATION. INSTALL UV WARNING STICKERS ON FACE OF ENCLOSURE PER DETAIL AND ON ANY UTILITY ACCESS DOORS THROUGH WHICH THE REME HALO WOULD BE VISIBLE IF OPENED.
- MAINTAIN 10" CLEARANCE BETWEEN WATER HEATER FLUE TERMINATION AND OUTSIDE AIR INTAKES. MAINTAIN 10" CLEARANCE BETWEEN WATER HEATER COMBUSTION AIR INTAKE AND EXHAUST FAN EF-1 DISCHARGE. SEE PLUMBING DRAWINGS FOR MORE INFORMATION ON WATER HEATER FLUE AND COMBUSTION AIR TERMINATIONS.
- ADJUST SUPPLY REGISTERS SO THAT SUPPLY AIR HITS WALL ON OPPOSITE SIDE OF ROOM AT APPROXIMATELY 7' AFF WITH NO DRAFTS FELT IN THE DINING ROOM.



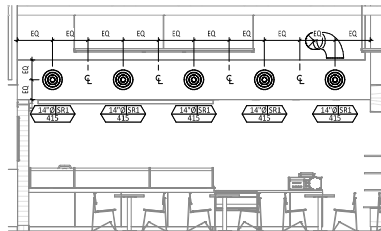
**HVAC DINING ROOM RETURN SECTION**  
1 M100 1/4" = 1'-0"



**HVAC DINING ROOM SECTION**  
1 M100 1/4" = 1'-0"

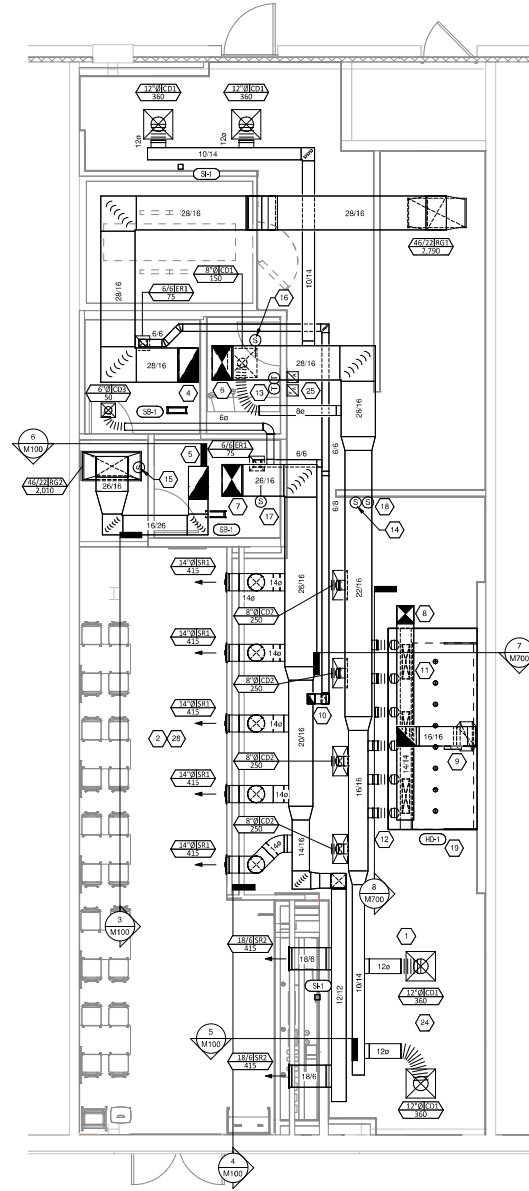


**HVAC DINING ROOM SECTION**  
1 M100 1/4" = 1'-0"

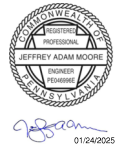


**HVAC DINING ROOM SECTION**  
1 M100 1/4" = 1'-0"

**HVAC ROOF PLAN**  
2 M100 1/8" = 1'-0"



**HVAC FLOOR PLAN**  
1 M100 1/4" = 1'-0"



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Issue Reason:	01/24/2025	PERMIT SET
	02/12/2025	ISSUE FOR BID

Drawn:	Checked:
FMS	JAM
Project No:	
480109	
Contract:	

HVAC PLAN

**M100**





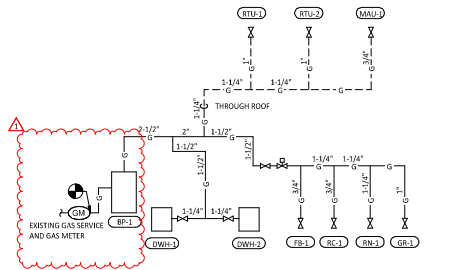


**PLUMBING SUPPLY PLAN NOTES**

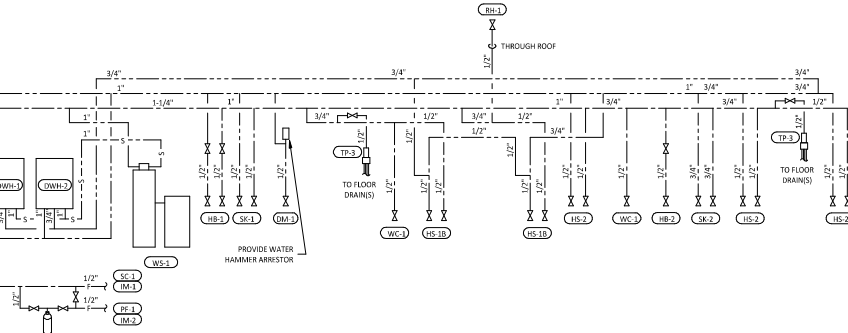
- CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING 1" DOMESTIC WATER PIPING. EXISTING WATER METER AND ALL OTHER ASSOCIATED APPURTENANCES BACK TO ACTIVE MAIN. PREPARE EXISTING DOMESTIC WATER MAIN FOR CONNECTION OF NEW 1 1/2" DOMESTIC WATER SERVICE. PROVIDE NEW 1 1/2" DOMESTIC COLD WATER SERVICE FROM EXISTING DOMESTIC COLD WATER MAIN TO METRIC WATER METER. COORDINATE WITH UTILITY COMPANY, NOTIFY ENGINEER IF ANY DISCREPANCIES.
- PROVIDE 1/2" FILTERED WATER TO THE BAG-IN-BOX SODA CARBONATOR AT 100' ±. 500A CARBONATOR SHALL HAVE AN INTEGRAL ASSE 100Z-HAILED CARBONATED BEVERAGE BACKFLOW PREVENTION DEVICE.
- PROVIDE WATER HEATERS DWH-1 AND DWH-2 PER DETAIL 1/P700.
- PROVIDE 1/2" FILTERED WATER ROUGH-IN TO THE ICE MAKER AT 56" AFF. PROVIDE 6" LONG STAINLESS STEEL FLEXIBLE BROOMED WASHING MACHINE WATER CONNECTION WITH MINIMUM 0.43" ID (BRASSCRAFT S112-72WA-F OR EQUAL) FOR FINAL CONNECTION TO ICE MAKER.
- PROVIDE DOMESTIC WATER ROUGH-INS FOR THE MOP BASIN FAUCET AT 36" AFF. PROVIDE DOMESTIC WATER ROUGH-INS FOR THE CHEMICAL DISPENSER FAUCET (HB-1) AT 64" AFF. DIRECTLY ABOVE THE MOP BASIN FAUCET. SEE ARCHITECTURAL ELEVATION FOR ADDITIONAL INFORMATION.
- CONNECT NEW 2 1/2" GAS PIPING TO EXISTING GAS METER. PROVIDE NEW GAS BOOSTER PUMP BP-1 WITH MINIMUM GAS REQUIREMENTS OF 1800 CFH @ 7.5" W.C. COORDINATE FINAL LOCATION WITH OWNER PRIOR TO INSTALLATION. PROVIDE ADDITIONAL BOLLARDS AS REQUIRED. NOTIFY ENGINEER IF ANY DISCREPANCIES.
- PROVIDE GAS CONNECTIONS TO THE COOKING EQUIPMENT PER DETAIL 2/P700.
- SUPPORT THE GAS PIPE ON THE ROOF PER DETAIL 5/P700. WOOD BLOCKING IS NOT AN ACCEPTABLE METHOD OF SUPPORTING THE GAS PIPE.
- PROVIDE ACCESSIBLE LINE-SIZED GAS VALVE, DIRT LEG, AND UNION AT GAS CONNECTION TO THE EQUIPMENT.
- REFER TO ARCHITECTURAL DRAWINGS FOR PAINTING OF INTERIOR AND EXTERIOR EXPOSED GAS PIPE.
- PROVIDE DOMESTIC WATER ROUGH-INS FOR THE CHEMICAL DISPENSER FAUCET (HB-1) AT 52" AFF. SEE ARCHITECTURAL ELEVATION FOR ADDITIONAL INFORMATION.
- PROVIDE DOMESTIC WATER ROUGH-INS FOR THE VICTORY WASH DISPENSER FAUCET (HB-2) AT 52" AFF. SEE ARCHITECTURAL ELEVATION FOR ADDITIONAL INFORMATION.
- INSTALL THERMOSTATIC MIXING VALVE FURNISHED WITH HAND SINK FAUCET SECURED TO WALL BELOW HAND SINK. ALL HAND SINK PIPING AND ACCESSORIES SHALL BE FULLY CONTAINED DIRECTLY BELOW HAND SINK.
- PROVIDE KITCHEN EQUIPMENT GAS SHUTOFF 6" BELOW THE CEILING PER DETAIL 4/P700.
- CONNECT CHEMICAL DISPENSER TO HB-1. CHEMICAL DISPENSER HAS AN INTEGRAL AIR GAP AS IS SHOWN IN DETAIL 1/P700.
- PROVIDE ASSE 150TS POINT-OF-USE THERMOSTATIC MIXING VALVE, WATTS FLUSS-8, ON WATER SUPPLY TO KITCHEN HAND SINKS. PROVIDE ANGLE STOP BELOW SINK. FASTEN MIXING VALVE TO WALL, AND MAKE FINAL CONNECTION FROM ANGLE STOPS TO MIXING VALVE AND FROM MIXING VALVE TO FAUCET USING BRAIDED STAINLESS STEEL HOSE. ADJUST MIXING VALVE FOR A DISCHARGE TEMPERATURE OF APPROXIMATELY 110° F.
- PROVIDE ACCESSIBLE VALVE IN WATER SUPPLY TO FIXTURE AS SHOWN.
- PROVIDE GAS CONNECTION TO THE RICE COOKER PER DETAIL 6/P700.
- PROVIDE GAS ROUGH-IN TO FRYER BEHIND RICE COOKER TABLE SO THAT VALVES AND DIRT LEG ARE ACCESSIBLE ONCE FRYER IS SECURED INTO PLACE.
- PROVIDE 1/2" FILTERED WATER ROUGH-IN TO THE ICE MAKER AT 24" AFF. PROVIDE 6" LONG STAINLESS STEEL FLEXIBLE BROOMED WASHING MACHINE WATER CONNECTION WITH MINIMUM 0.43" ID (BRASSCRAFT S112-72WA-F OR EQUAL) FOR FINAL CONNECTION TO ICE MAKER.
- INSTALL RGF IMSB ICE MAKER SANITIZER FURNISHED BY TUV PER CHIPOTLE'S INSTALLATION INSTRUCTIONS.
- PROVIDE 3/4" DOMESTIC HOT AND COLD WATER ROUGH-INS FOR THE PREP SINK (SK-2) FAUCET AT 24" AFF TO ALLOW FOR THE VICTORY WASH CHEMICAL DOCK TO BE INSTALLED DIRECTLY BELOW THE PREP-SINK BASIN. MAKE FINAL CONNECTION TO PREP-SINK FAUCET USING 3/4" BRAIDED STAINLESS STEEL WATER HEATER CONNECTOR HOSE.
- PROVIDE 1/2" HOT WATER TO THE DISH MACHINE AT 66" AFF ABOVE LEFT SIDE OF DISH MACHINE. MAKING FINAL CONNECTION USING HOSE FURNISHED WITH DISH MACHINE. PROVIDE WATER HAMMER ARRESTOR ON HOT WATER LINE.
- PROVIDE ROOF HYDRANT RH-1 WITH BOTTOM OF NOZZLE INSTALLED 24" ABOVE THE BOTTOM OF ROOF DECK. PROVIDE ACCESSIBLE ISOLATION VALVE IN WATER SUPPLY TO ROOF HYDRANT. SUPPORT ROOF HYDRANT PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- PROVIDE FILTERED DOMESTIC WATER ROUGH-IN FOR THE SPEED FIL POT FILLER FAUCET (PF-1) AT 40" AFF. SEE ARCHITECTURAL ELEVATION FOR DETAIL.
- PROVIDE WATER SERVICE ENTRY PER DETAIL 10/P700.
- INSTALL RGF IMSB ICE MAKER SANITIZER FURNISHED BY TUV PER CHIPOTLE'S INSTALLATION INSTRUCTIONS. LOCATE IMSB BELOW UTENSIL COUNTER IN A LOCATION THAT DOES NOT INTERFERE WITH THE ROLLING RACK BELOW THE UTENSIL COUNTER.
- NOT USED.
- PROVIDE ACCESSIBLE TRAP PRIMER ABOVE LAY-IN CEILING AS SHOWN. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS WITH A SERVICE VALVE AT THE TRAP PRIMER INLET. PROVIDE 1/2" DISTRIBUTION PIPING TO FLOOR DRAIN TRAP PRIMER CONNECTIONS AS SHOWN. HORIZONTAL DISTRIBUTION PIPING SHALL HAVE CONTINUOUS SLOPE TO THE FLOOR DRAINS.
- REPLACE STOCK WATER CLOSET HANDLE WITH UNIVERSAL CABLE OPERATED HANDLE (ELEGANT AP300S3 OR AP300S4 - FIELD VERIFY COMPATIBILITY WITH FLUSHMATE SYSTEM IN WATER CLOSET).

**PLUMBING FIXTURE SUPPLY CONNECTIONS**

TAG	DESCRIPTION	CONNECTION SIZE		ROUGH-IN TYPE	WSTU				TOTAL COUNT	TOTAL WSTU
		CW	HW		CW	HW	TOTAL	COUNT		
BFP-1	RPZ BACKFLOW PREVENTER	1/2"	1/2"	DIRECT	0	0	0	0	1	0
BFP-2	RPZ BACKFLOW PREVENTER	1 1/2"	1 1/2"	DIRECT	0	0	0	0	1	0
DM-1	DISH SANITIZING MACHINE (PUMPED OUTLET)	0"	1/2"	HOSE 1/2"	0	3	3	1	3	3
ET-1	EXPANSION TANK	3/4"	3/4"	DIRECT	0	0	0	0	1	0
HB-1	CHEMICAL DISPENSER HOSE BIB	1/2"	1/2"	MIP	2.25	2.25	3	2	6	
HB-2	VEGETABLE WASH HOSE BIB	1/2"	1/2"	MIP	1.5	1.5	1	1	3	1.5
HS-1R	RESTROOM HAND SINK FAUCET	1/2"	1/2"	ANGLE 3/8"	1.5	1.5	2	2	4	
HS-2	KITCHEN HAND SINK	1/2"	1/2"	ANGLE 3/8"	1.5	1.5	2	3	6	
IM-1	ICE MAKER - BOH	1/2"	1/2"	ANGLE 1/2"	1	1	1	1	1	
IM-2	ICE MAKER - SODA	1/2"	1/2"	HOSE 1/2"	1	1	1	1	1	
MS-1R	MOP SINK FAUCET	1/2"	1/2"	MIP	2.25	2.25	3	1	3	
PH-1	SPEED FILL FAUCET	3/8"	3/8"	MIP	1.5	1.5	1	1	3	1.5
RH-1	FREEZE PROOF ROOF HYDRANT	3/4"	3/4"	DIRECT	1	1	1	1	1	
SC-1	BAG-IN-BOX SODA RACK WITH CARBONATORS	1/2"	1/2"	ANGLE 3/8"	1	1	1	1	1	
SK-1	THREE COMPARTMENT SINK	1/2"	1/2"	ANGLE 1/2"	3	3	4	1	4	
SK-2	PREP SINK	3/4"	3/4"	ANGLE 3/4"	3	3	4	1	4	
TP-3	TRAP PRIMER (THREE FOUR FLOOR DRAIN)	1/2"	1/2"	DIRECT	0	0	0	2	0	
WC-1	WATER CLOSET	1/2"	1/2"	ANGLE 3/8"	2	2	2	2	4	
WH-1	FREEZE PROOF WALL HYDRANT	3/4"	3/4"	DIRECT	1	1	1	1	1	
WS-1	WATER SOFTENER	1"	1"	DIRECT	0	0	0	1	0	
GRAND TOTAL										42



**GAS DISTRIBUTION DIAGRAM**  
NOT TO SCALE

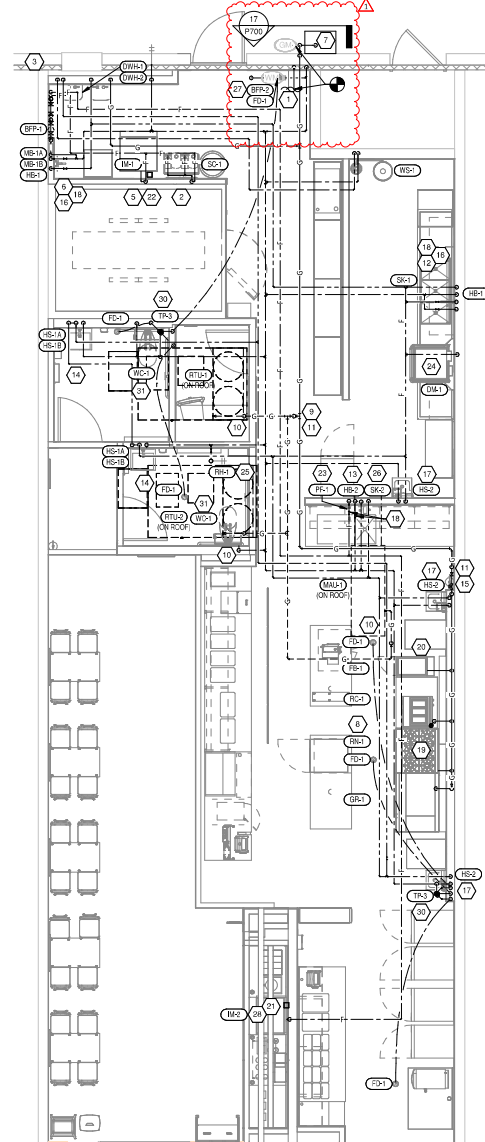


**PLUMBING SUPPLY DIAGRAM**  
NOT TO SCALE

**PLUMBING GAS CONNECTIONS**

TAG	DESCRIPTION	CONNECTION SIZE	EQUIVALENT LENGTH	INPUT	
DWH-1	WATER HEATER (GAS TANKLESS)	3/4"	50'	159,000 Btu/h	
DWH-2	WATER HEATER (GAS TANKLESS)	3/4"	50'	159,000 Btu/h	
FB-1	GAS FRYER	3/4"	90'	90,000 Btu/h	
GR-1	GAS GRIDDLE	1"	95'	120,000 Btu/h	
MAU-1	DIRECT FIRED MAKEUP AIR UNIT	1 1/2"	85'	87,500 Btu/h	
RC-1	RICE COOKER	3/4"	90'	33,000 Btu/h	
BN-1	6 BURNER RANGE	3/4"	95'	192,000 Btu/h	
RTU-1	KITCHEN ROOFTOP UNIT	3/4"	60'	120,000 Btu/h	
RTU-2	DINING ROOM ROOFTOP UNIT	3/4"	75'	150,000 Btu/h	
GRAND TOTAL				MAX: 95'	1,220,500 Btu/h

- NOTES:  
1. PRESSURE REQUIRED AFTER METER: 7" W.C.  
2. DISTANCES ARE APPROXIMATE



**PLUMBING SUPPLY PLAN**  
1/4" = 1'-0"



Jeffrey Adam Moore  
01/24/2025

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Issue/Revision	Date	By	Permit Set
01/24/2025			PERMIT SET
02/28/2025			BID ADDENDUM 1

Drawn: MPC  
Checked: MPC

Project No: 480109  
Contract: PLUMBING PLAN WATER & GAS  
P100

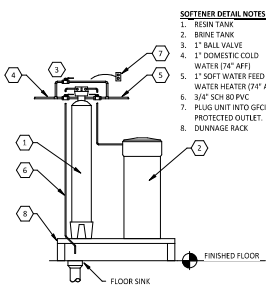




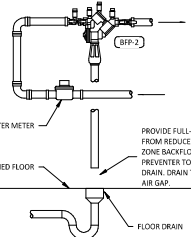


**SOFTENER DETAIL NOTES**

1. RESIN TANK
2. BRINE TANK
3. 1" BALL VALVE
4. 1/2" DOMESTIC COLD WATER (74" AFF)
5. 1/2" HOT WATER REED TO WATER HEATER (74" AFF)
6. 3/4" SCH 80 PVC
7. FLOOR LINE (NO GFCI) PROTECTED OUTLET.
8. DRAINAGE RACK

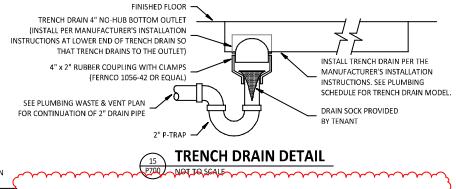


**13 WATER SOFTENER DETAIL**  
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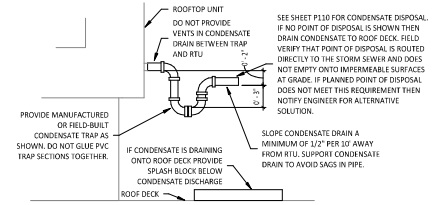


NOTES:  
MAKE NECESSARY ARRANGEMENTS WITH WATER COMPANY TO INSTALL NEW WATER SERVICE PER LOCAL CODES & WATER COMPANY REGULATIONS AND PAY ALL CHARGES. SERVICE SHALL BE PER THE PLUMBING PLAN & INSTALLED IN STRICT ACCORDANCE OF WATER COMPANY REGULATIONS. ANCHOR METER, BACKFLOW PREVENTER, AND PIPING TO THE WALL OR THE FLOOR. CERTIFY THE BACKFLOW PREVENTER PER THE WATER COMPANY'S REQUIREMENTS.

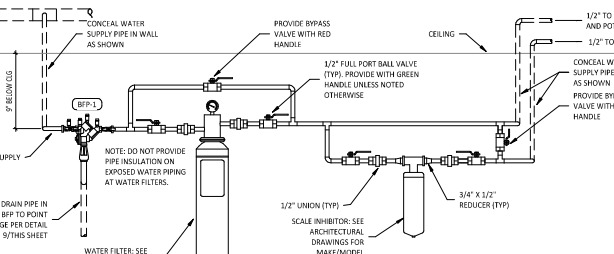
**16 WATER SERVICE ENTRY DETAIL**  
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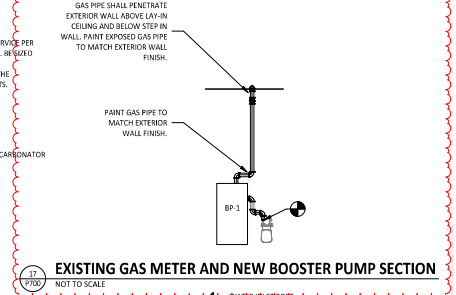
**15 TRENCH DRAIN DETAIL**  
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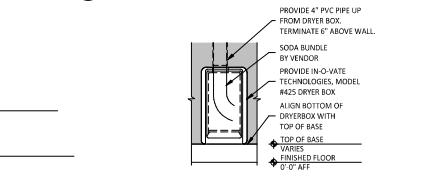
**12 RTU CONDENSATE TRAP DETAIL**  
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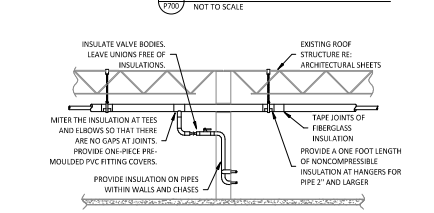
**11 WATER FILTRATION DETAIL**  
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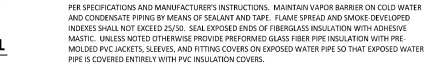
**17 EXISTING GAS METER AND NEW BOOSTER PUMP SECTION**  
NOT TO SCALE



**12 SODA TERMINATION DETAIL**  
NOT TO SCALE



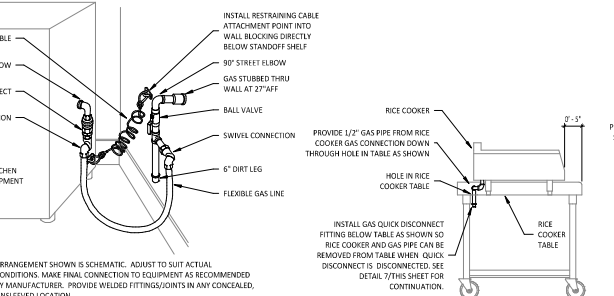
**8 PIPE INSULATION DETAIL**  
NOT TO SCALE



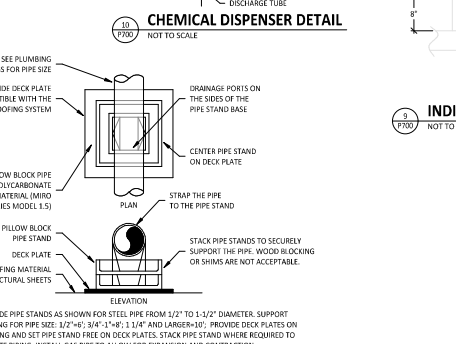
**9 INDIRECT WASTE PIPING DETAIL**  
NOT TO SCALE



**11 WATER HEATER DIP SWITCH SETTINGS**



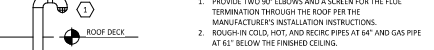
**7 KITCHEN GAS EQUIPMENT DETAIL**  
NOT TO SCALE



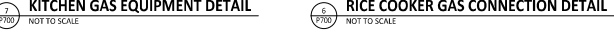
**10 CHEMICAL DISPENSER DETAIL**  
NOT TO SCALE



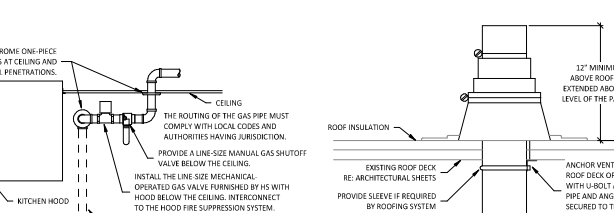
**9 ROOFTOP PIPING SUPPORT**  
NOT TO SCALE



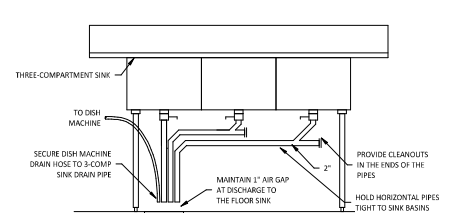
**1 WATER HEATER DETAIL**  
NOT TO SCALE



**6 RICE COOKER GAS CONNECTION DETAIL**  
NOT TO SCALE



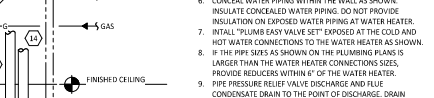
**4 KITCHEN GAS SHUTOFF DETAIL**  
NOT TO SCALE



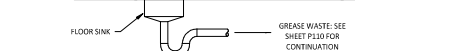
**1 VENT THROUGH ROOF**  
NOT TO SCALE



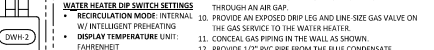
**11 WATER HEATER DIP SWITCH SETTINGS**



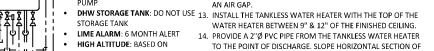
**1 WATER HEATER DETAIL**  
NOT TO SCALE



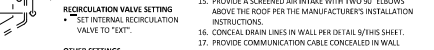
**3 WARE-WASHING SINK DETAIL**  
NOT TO SCALE



**1 WATER HEATER DETAIL**  
NOT TO SCALE



**1 WATER HEATER DETAIL**  
NOT TO SCALE



**1 WATER HEATER DETAIL**  
NOT TO SCALE



**1 WATER HEATER DETAIL**  
NOT TO SCALE



**1 WATER HEATER DETAIL**  
NOT TO SCALE



JEFFREY ADAM MOORE  
PROFESSIONAL ENGINEER  
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NO. 94087  
01/24/2025

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Issue/Revised:

01/24/2025 PERMIT SET

Revisions:

02/28/2025 BID ADDENDUM 1

Drawn: Checkd:  
MPC MPC

Project No:  
480109

Contract:

**PLUMBING DETAILS**

**P700**

**F.P. ABBREVIATIONS**

(E)	EXISTING
ABV	ABOVE
ADA	AMERICANS WITH DISABILITIES ACT
AF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
BF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
BH	BACK OF HOUSE
CLG	CEILING
CTE	CONNECT TO EXISTING
DN	DOWN
EXTG	EXISTING
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FLR	FLOOR
FOH	FRONT OF HOUSE
GYP	GYPSONUM BOARD
HCP	HOOD CONTROL PANEL
NTS	NOT TO SCALE
O/H	OVERHEAD
TP	TYPICAL
LV/S	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
W/	WITH
W/C	WALK-IN COOLER
CO2AS	TENANT'S CO2 ALARM SUPPLIER
GC	GENERAL CONTRACTOR
HES	TENANT'S HVAC EQUIPMENT SUPPLIER
HS	TENANT'S HOOD SUPPLIER
KES	TENANT'S KITCHEN EQUIPMENT SUPPLIER
LL	LANDLORD
MSS	TENANT'S MUSIC SYSTEMS SUPPLIER
SFS	TENANT'S SODA POP SUPPLIER
T&B	TENANT'S TEST AND BALANCE VENDOR
TCC	TENANT'S CABLING CONTRACTOR
TOC	TENANT'S DUCT CLEANER
TEMS	TENANT'S ENERGY MANAGEMENT SYSTEM SUPPLIER
TLS	TENANT'S LIGHT/LAMP SUPPLIER
TMB	TENANT'S MENU BOARD SUPPLIER
TMS	TENANT'S MILLWORK SUPPLIER
TP	TENANT'S PHONE SUPPLIER
TPS	TENANT'S PANELBOARD SUPPLIER
TRS	TENANT'S TRAILING SUPPLIER
TSV	TENANT'S SIGN VENDOR
TUV	TENANT'S UV SANITIZER SUPPLIER
WCS	TENANT'S WALK-IN COOLER SUPPLIER
WHS	TENANT'S WATER HEATER SUPPLIER

**F.P. MATERIAL SCHEDULE**

APPLICATION	ALLOWABLE MATERIAL
SPRINKLER HEAD	
EXPOSED STRUCTURE CEILING	CHROME OR BRASS UPRIGHT
GYPSONUM BOARD CEILING	CHROME RECESSED PENDANT W/ CHROME ESCUTCHEON
LAY-IN CEILING	CHROME RECESSED PENDANT W/ CHROME ESCUTCHEON
STONEWOOD	CONCEALED PENDANT WITH BLACK COVER PLATE
WALK-IN COOLER	FREEZE-PROOF PENDANT

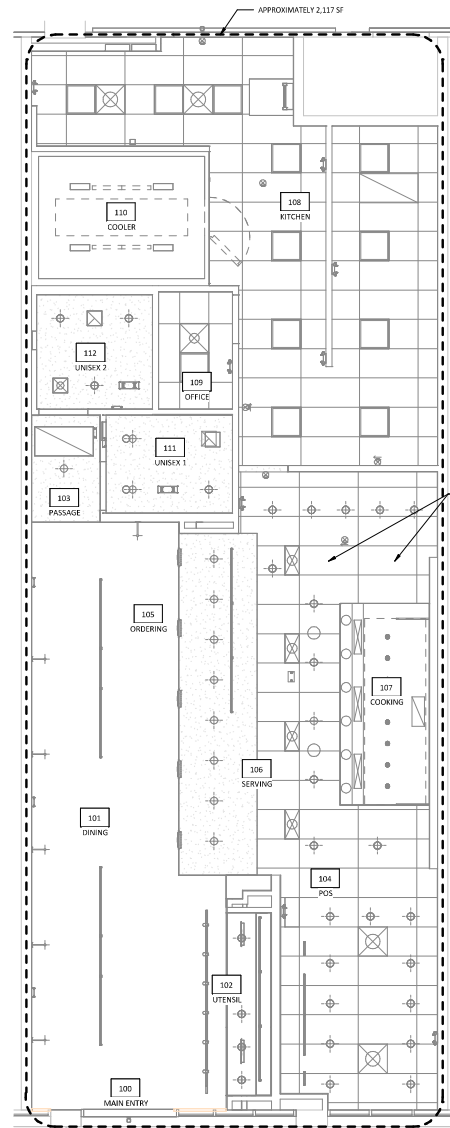
**FIRE PROTECTION SCHEDULE**

ROOM #	DESCRIPTION	CEILING	HEIGHT	HAZARD
100	MAIN ENTRY	EXPOSED STRUCTURE	VARIES	LIGHT
101	DINING	EXPOSED STRUCTURE	VARIES	LIGHT
102	UTENSIL	STONEWOOD	7'-11"	LIGHT
103	PASSAGE	GYP	10'-0"	LIGHT
104	POS	GYP	9'-0"	ORD. HAZ. 1
105	ORDERING	EXPOSED STRUCTURE	VARIES	LIGHT
106	SERVING	GYP	9'-0"	ORD. HAZ. 1
107	COOKING	GYP	9'-0"	ORD. HAZ. 1
108	KITCHEN	LAY-IN	10'-0"	ORD. HAZ. 1
109	OFFICE	LAY-IN	9'-0"	ORD. HAZ. 1
110	COOLER	INTEGRAL	9'-4"	ORD. HAZ. 1
111	UNISEX 1	GYP	8'-0"	LIGHT
112	UNISEX 2	GYP	8'-0"	LIGHT

**FIRE PROTECTION GENERAL NOTES**

- FIRE PROTECTION WORK SHALL BE DONE IN ACCORDANCE WITH THE BUILDING CODE, NFPA, LOCAL FIRE DEPARTMENT STANDARDS, AND THE AUTHORITY HAVING JURISDICTION. SEE ARCHITECTURAL SHEETS FOR THE PREVAILING CODES.
- CEILING HEIGHTS SHOWN IN THE FIRE PROTECTION SCHEDULE ARE APPROXIMATE. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT CEILING HEIGHTS.
- EXISTING FIRE PROTECTION SYSTEM: EXISTING WET PIPE SPRINKLER SYSTEM WITH DISTRIBUTION THROUGHOUT SPACE AND HEADS TURNED UP TO DECK.
- EXISTING FIRE ALARM SYSTEM: EXISTING ADDRESSABLE FIRE ALARM SYSTEM WITH FACP IN BASE BUILDING RISER ROOM, NOTIFICATION APPLIANCE IN SPACE, AND PULL STATIONS AT EXITS.
- FIRE ALARM SCOPE OF WORK: MODIFY THE EXISTING FIRE ALARM SYSTEM IN THE SPACES SHOWN TO SUIT THE NEW FLOOR PLAN. PROVIDE NEW DEVICES AS NECESSARY FOR A COMPLETE SYSTEM.
- COORDINATE HEAD AND DEVICE LAYOUT WITH EXPOSED DUCTWORK, LIGHT FIXTURES, HVAC EQUIPMENT, ARCHITECTURAL CEILING ELEMENTS, AND WALL-MOUNTED EQUIPMENT. SEE ARCHITECTURAL, HVAC, PLUMBING, AND ELECTRICAL PLANS FOR LOCATIONS. PROVIDE HEADS AND DEVICES IN LAY-IN CEILINGS AT QUARTER POINTS ALONG LONG AXIS OF CEILING TILES.
- FIRE PROTECTION SCOPE OF WORK: MODIFY THE EXISTING HEAD LAYOUT IN THE SPACES SHOWN TO SUIT THE NEW FLOOR PLAN. PROVIDE NEW HEADS AND PIPING AS NECESSARY FOR A COMPLETE SYSTEM. PROVIDE HYDRAULIC CALCULATIONS FOR REVISED FIRE PROTECTION SYSTEM.
- OBTAIN PERMITS, APPROVALS, AND INSPECTIONS FOR REVISED FIRE PROTECTION AND ALARM SYSTEMS.
- CEILING HEIGHTS AND CEILING FIXTURE PLACEMENTS SHOWN ARE APPROXIMATE. SEE ARCHITECTURAL RCP FOR EXACT CEILING HEIGHTS AND CEILING FIXTURE DIMENSIONS.
- SUBMIT FIRE PROTECTION AND FIRE ALARM SHOP DRAWINGS SHOWING HEAD AND DEVICE LAYOUTS TO ARCHITECT PRIOR TO SUBMITTING FOR PERMIT APPROVAL.
- THE TERM "FURNISH" MEANS SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS. THE TERM "INSTALL" DESCRIBES THE OPERATIONS AT THE PROJECT SITE INCLUDING THE ACTUAL UNLOADING, UNPACKING, ASSEMBLY, ERECTING, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS. THE TERM "PROVIDE" MEANS TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE.
- IF A SLAT CEILING SYSTEM IS INSTALLED IN THE DINING ROOM WHERE IT WILL INTERFERE WITH THE PATTERN DEVELOPMENT OF SPRINKLER HEADS ABOVE THE SLAT CEILING (WITHIN 18" BELOW SPRINKLER HEADS) THEN PROVIDE INTERMEDIATE LEVEL IN-RACK PENDANT SPRINKLER HEADS IN SLAT CEILING SYSTEM PER THE ARCHITECTURAL DETAILS.

**FOR REFERENCE ONLY:  
FIRE PROTECTION AND ALARM SYSTEMS  
ARE TO BE DESIGNED BY THE GENERAL  
CONTRACTOR**



**FIRE PROTECTION PLAN**  
1/100  
1/4" = 1'-0"



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Issue/Revised:  
01/24/2025 PERMIT SET  
02/12/2025 ISSUE FOR BID

Revisions:  
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Drawn: Checkd  
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FIRE PROTECTION  
PLAN

F100







