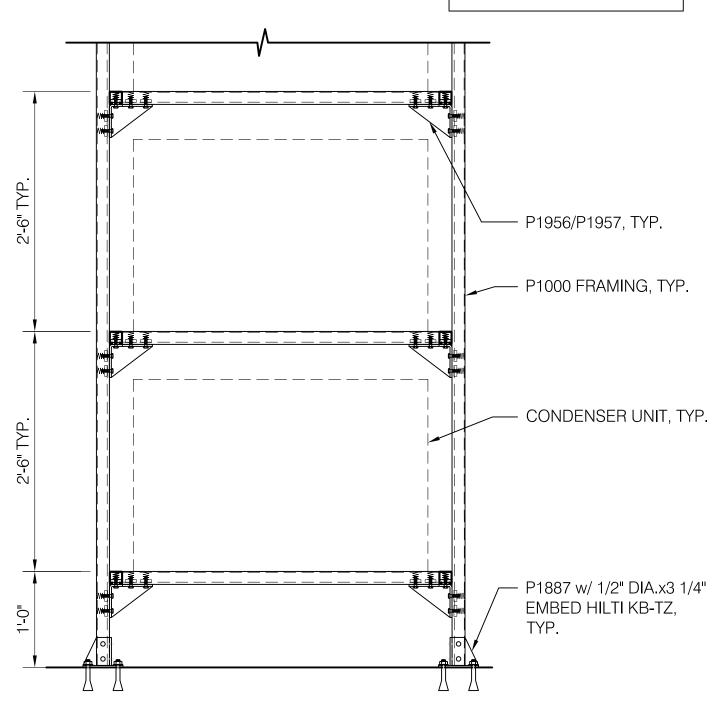
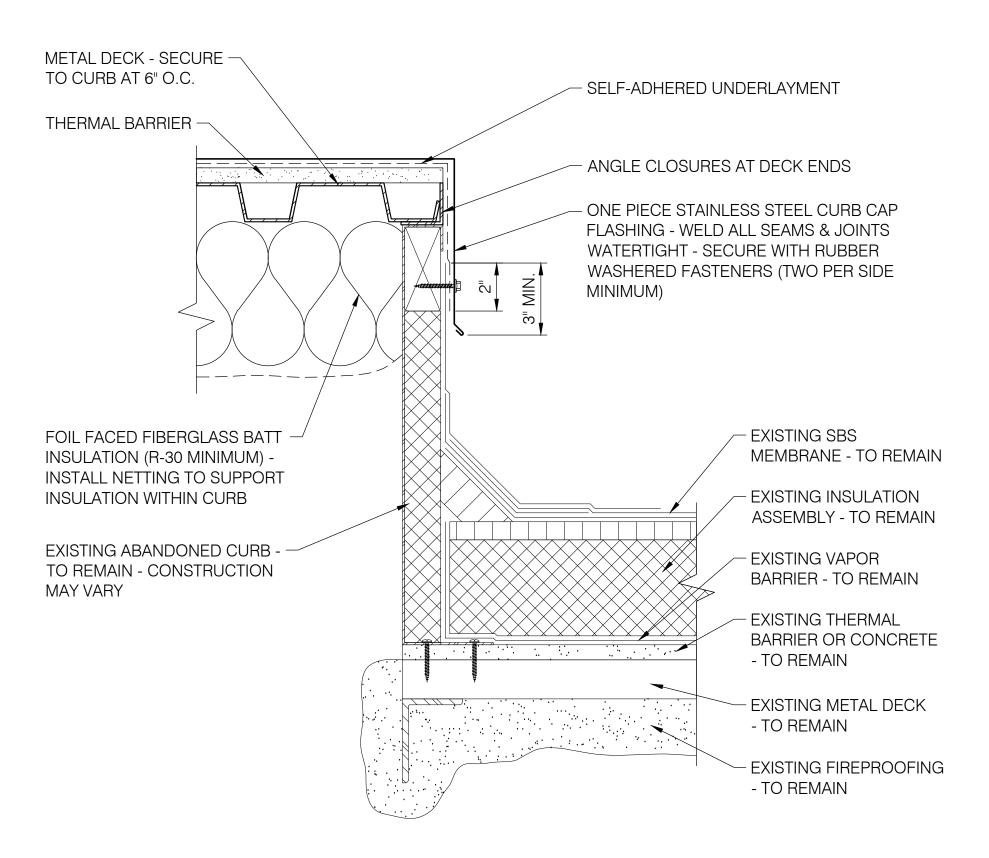
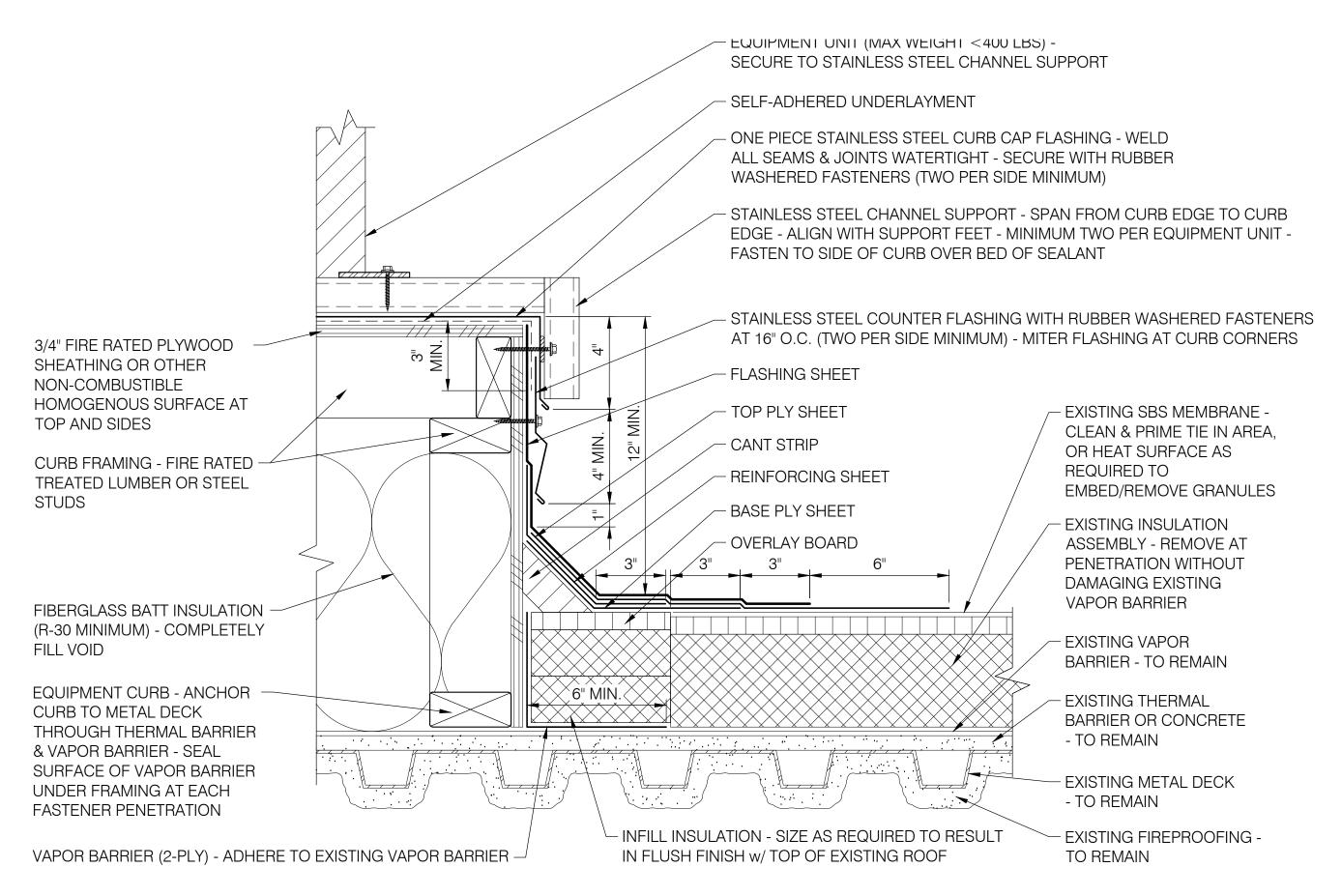


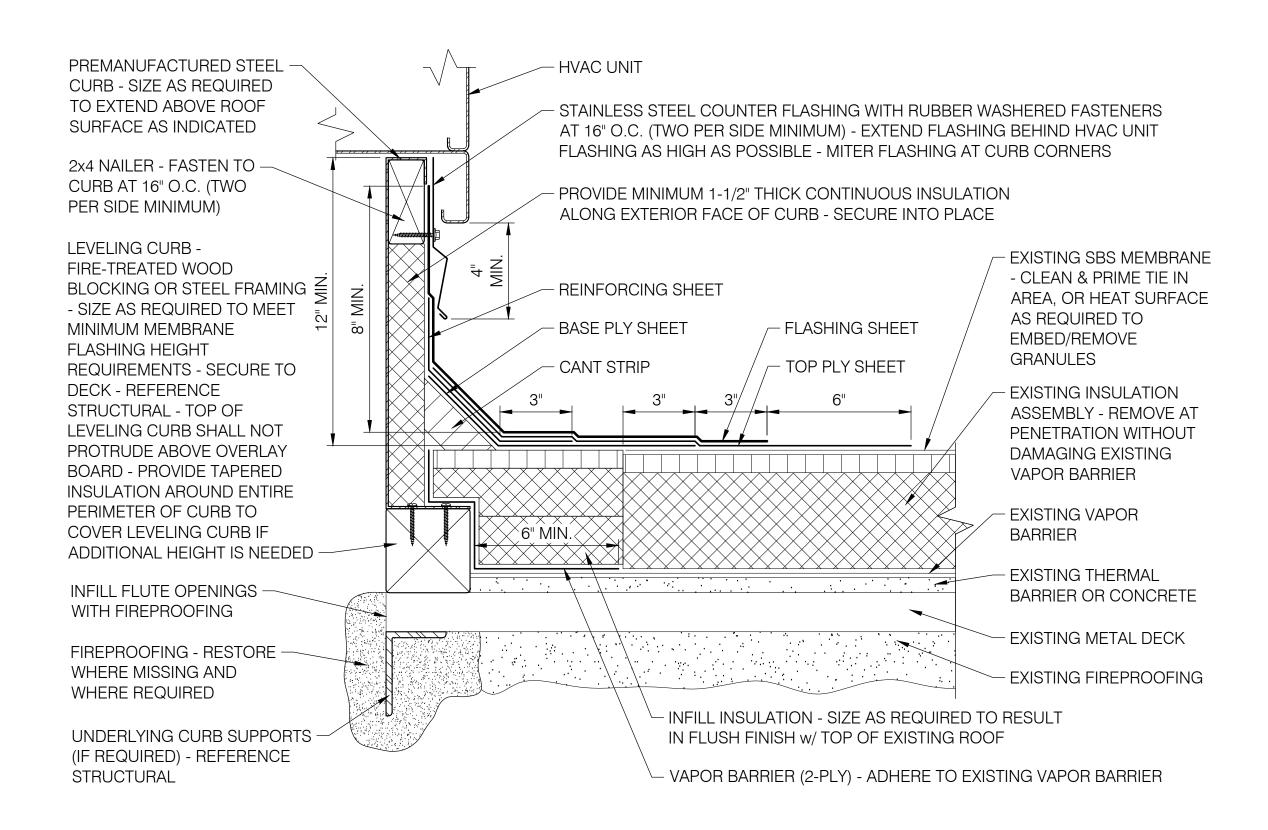
NOTE: PROVIDE BOLLARD PROTECTION AT OUTSIDE CORNERS OF RACK

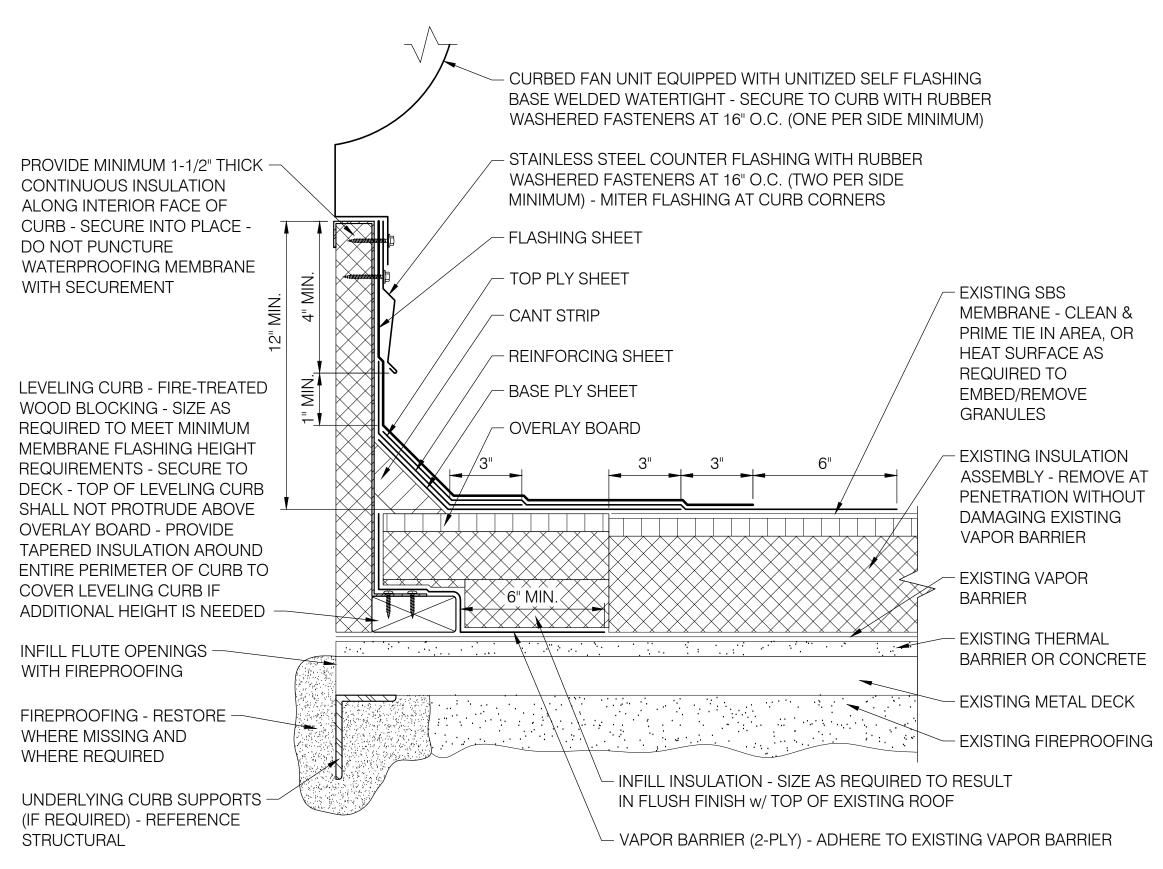


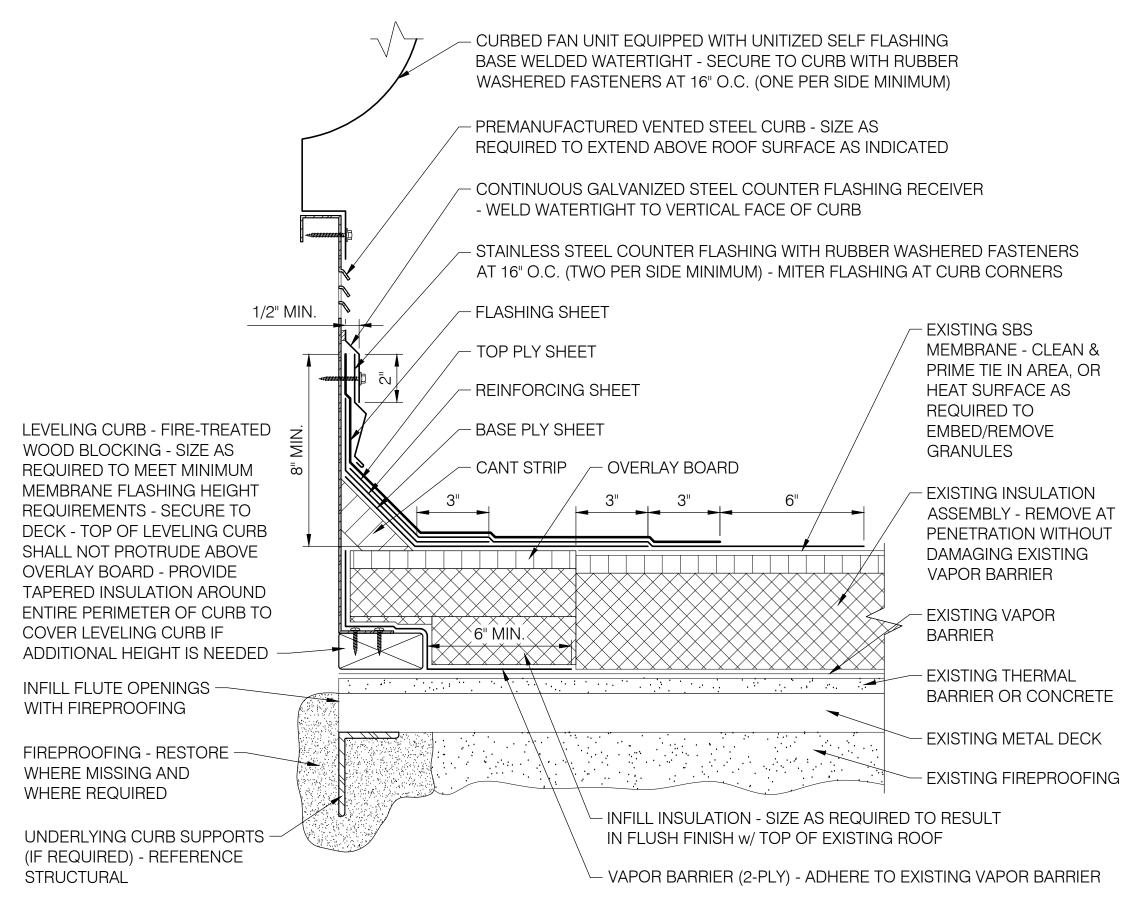
CONDENSER RACK
SCALE: 1" = 1'-0"

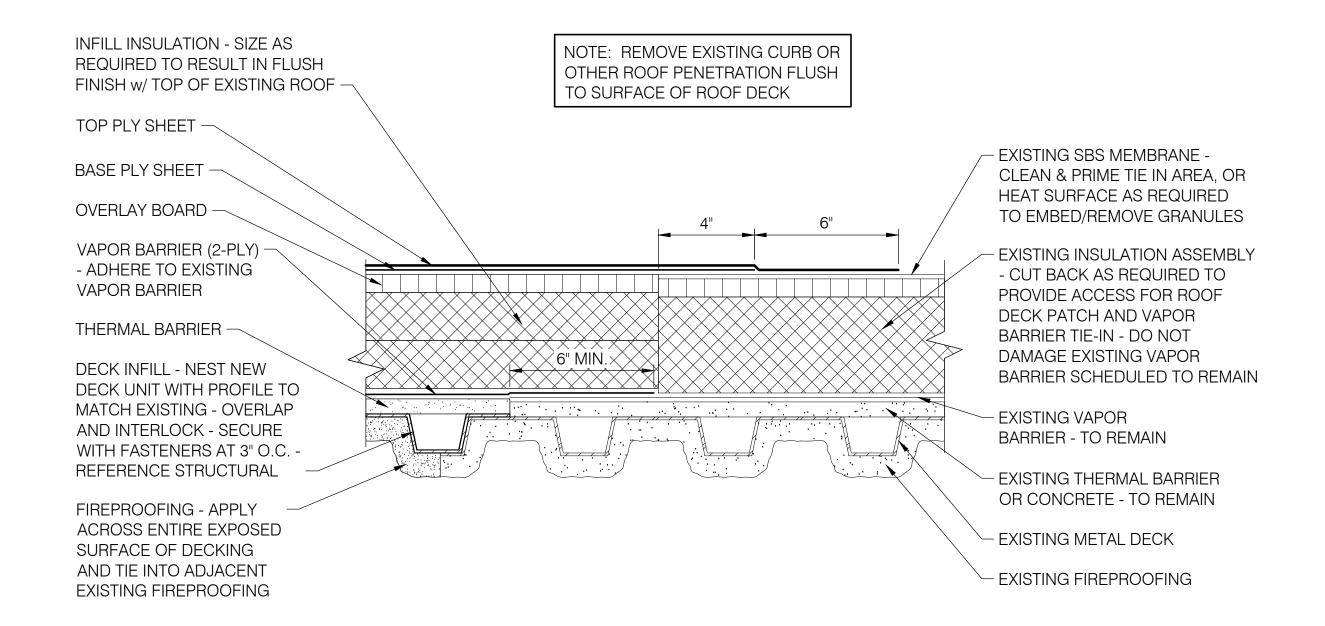


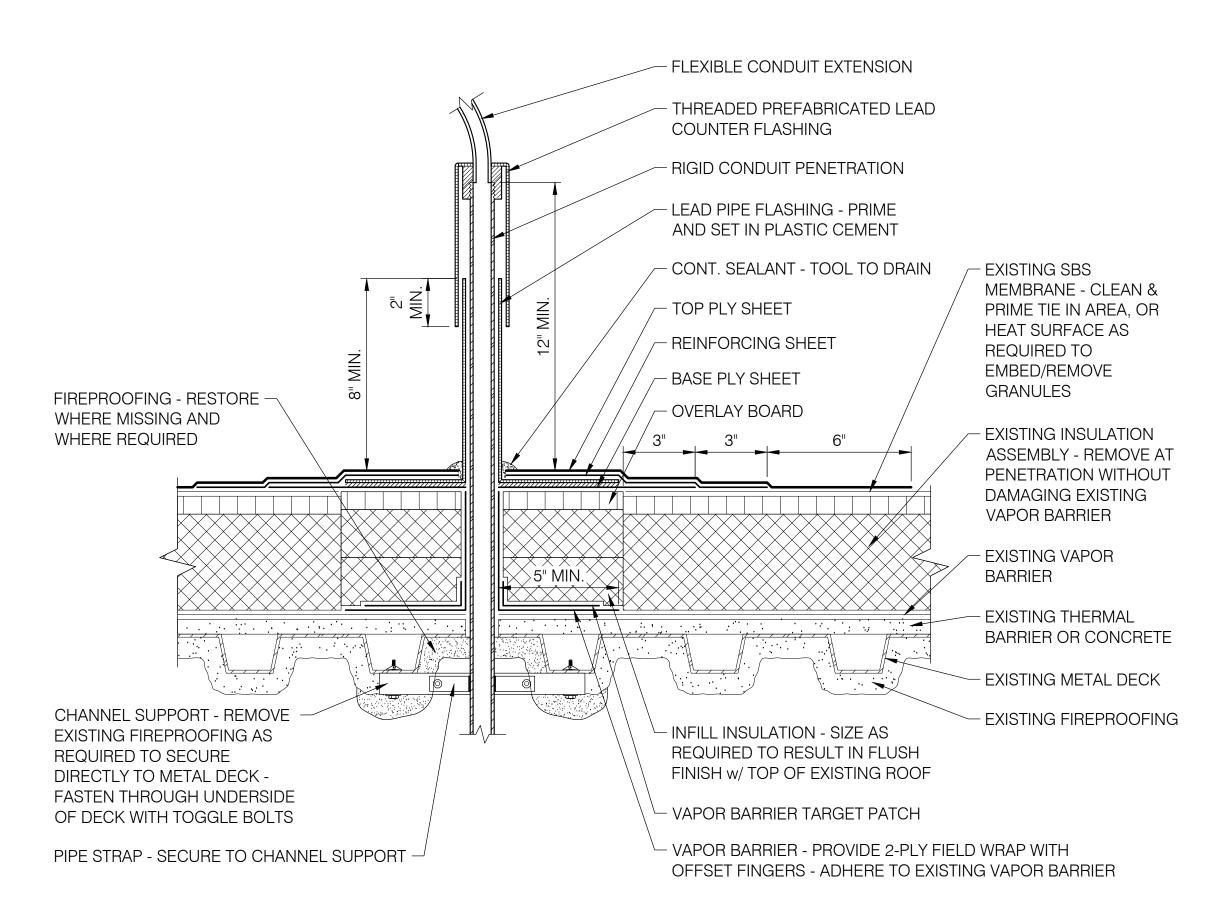


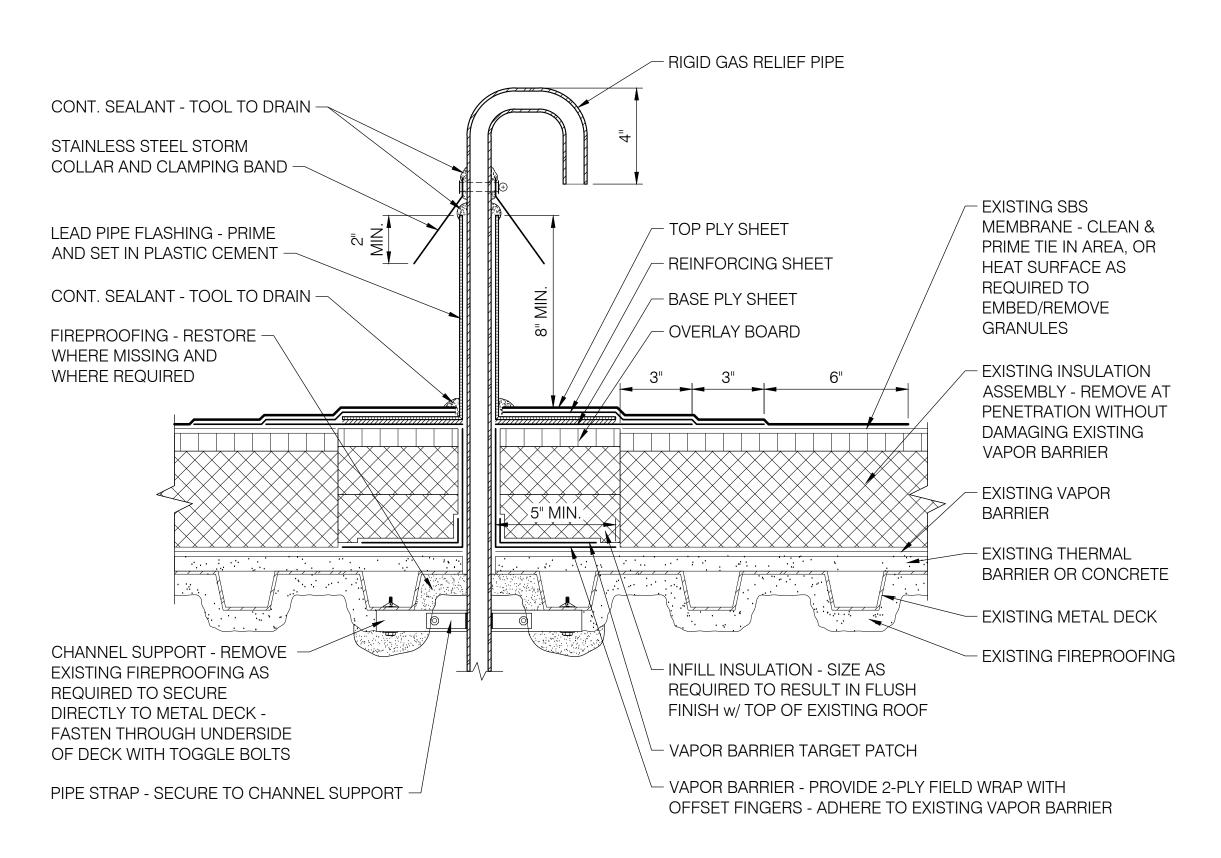


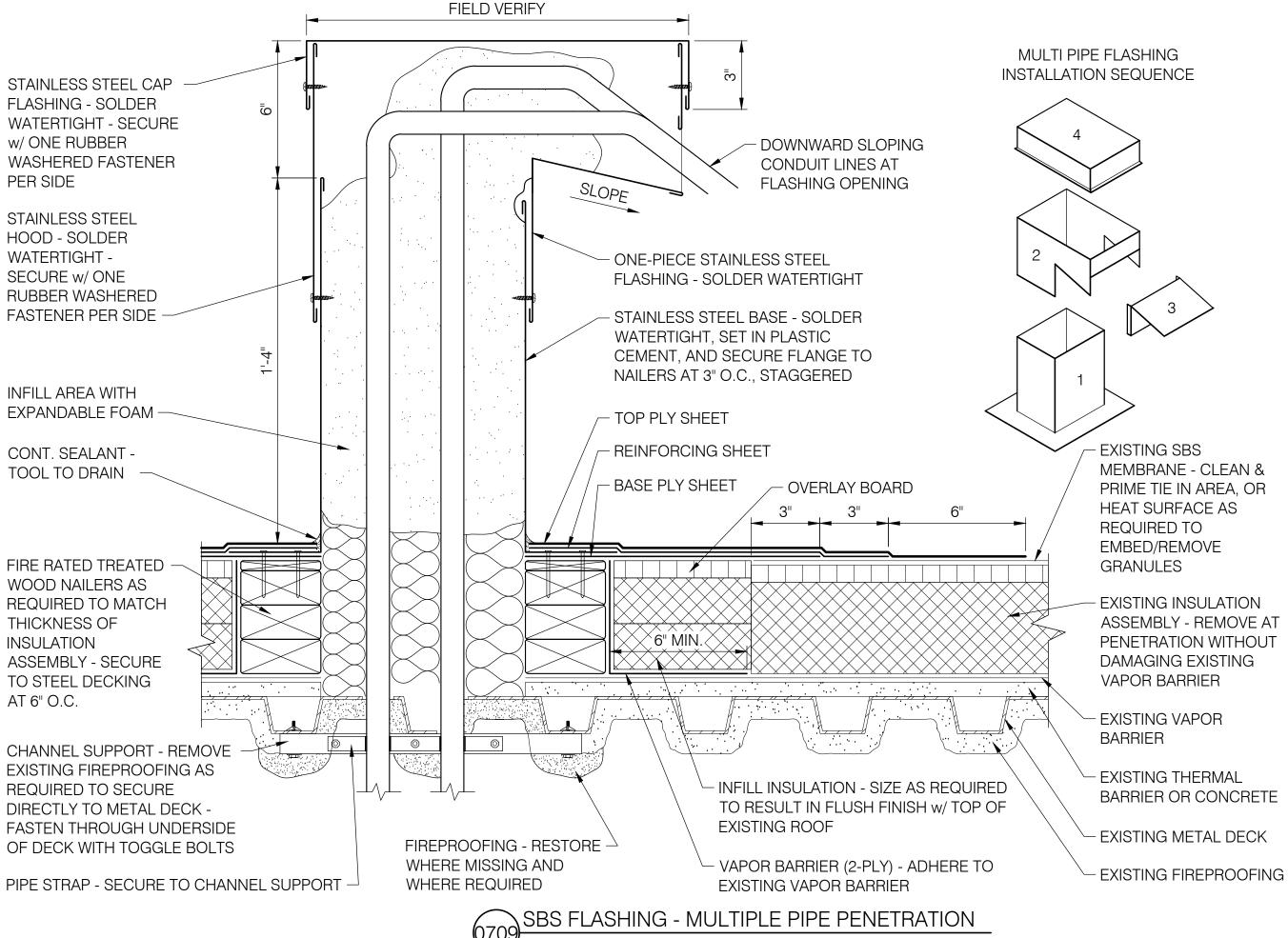




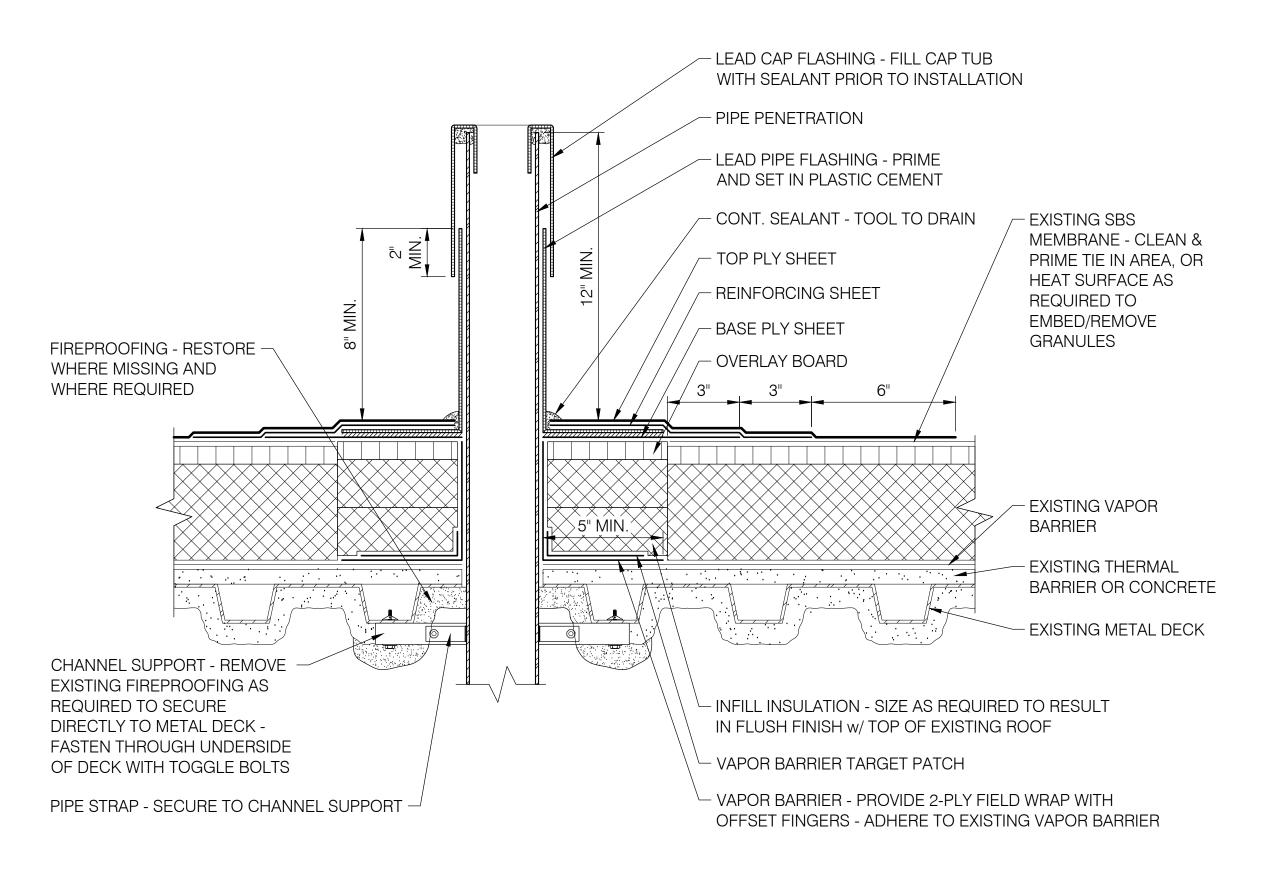


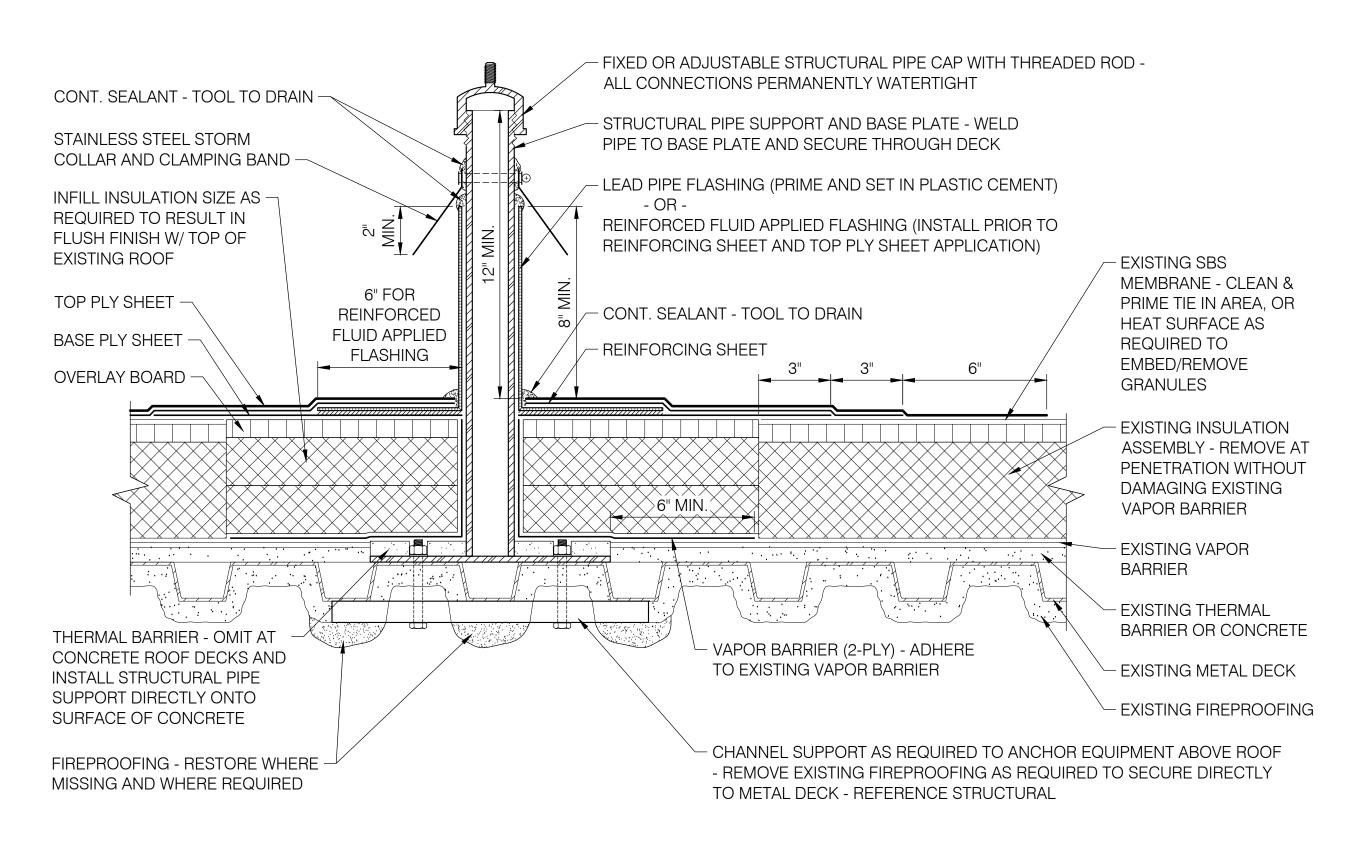


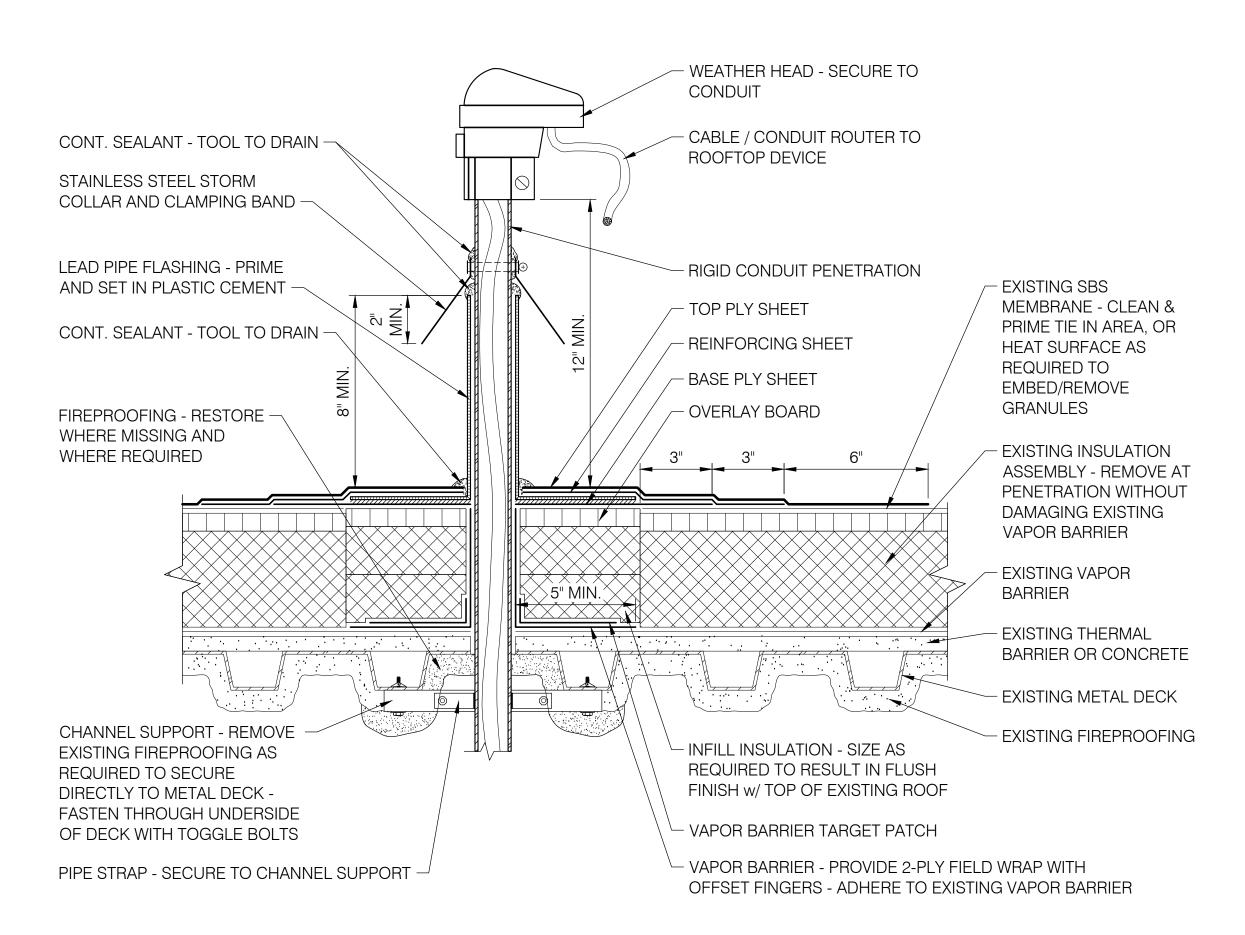


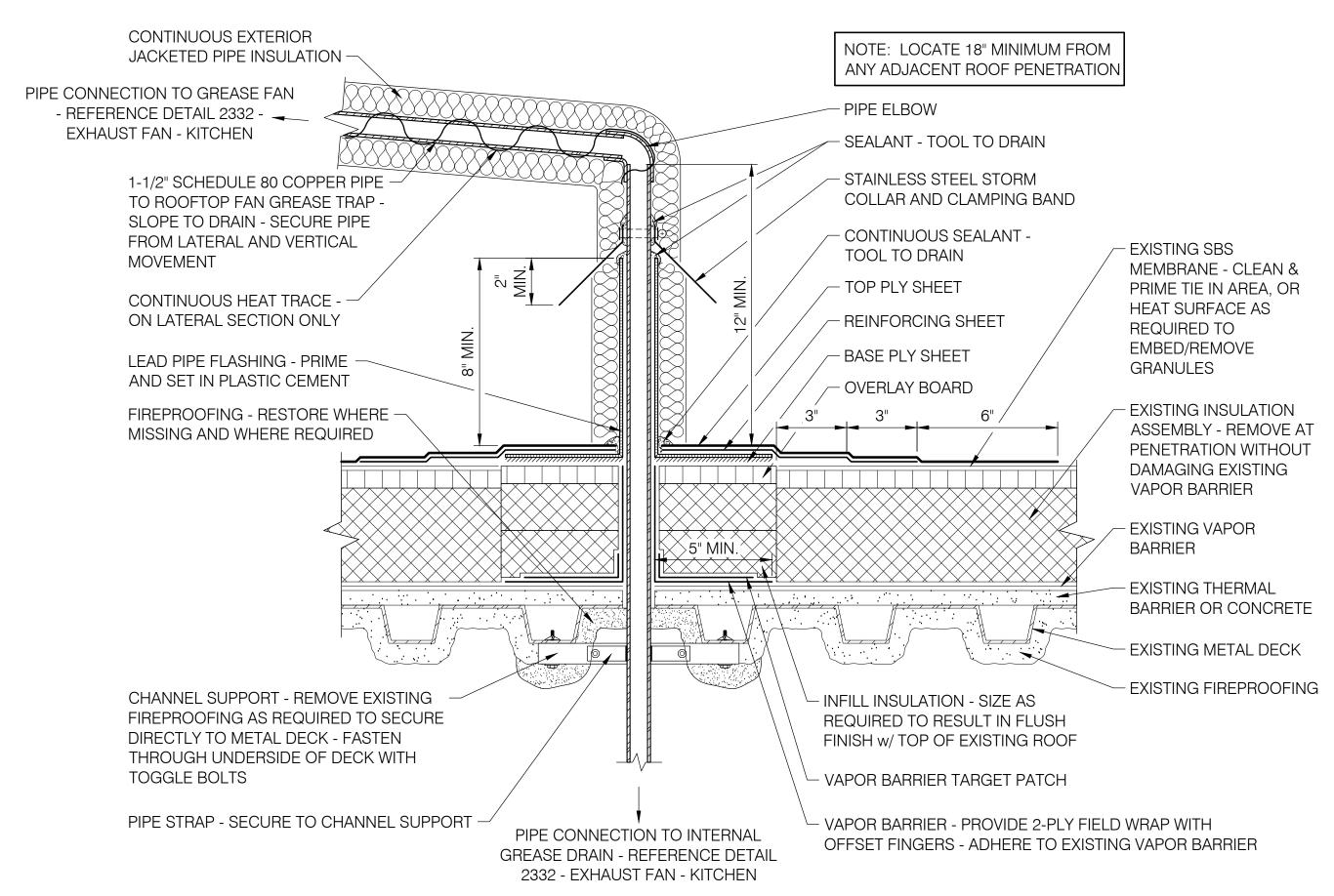


SCALE: 3" = 1'-0"

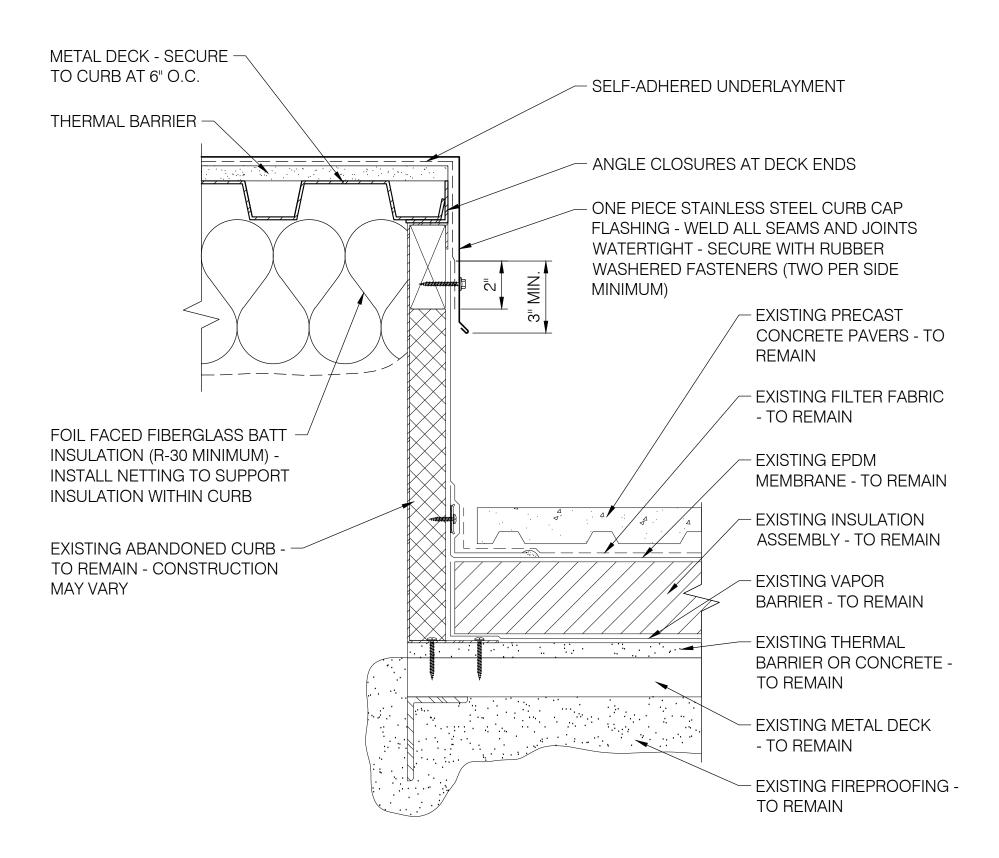


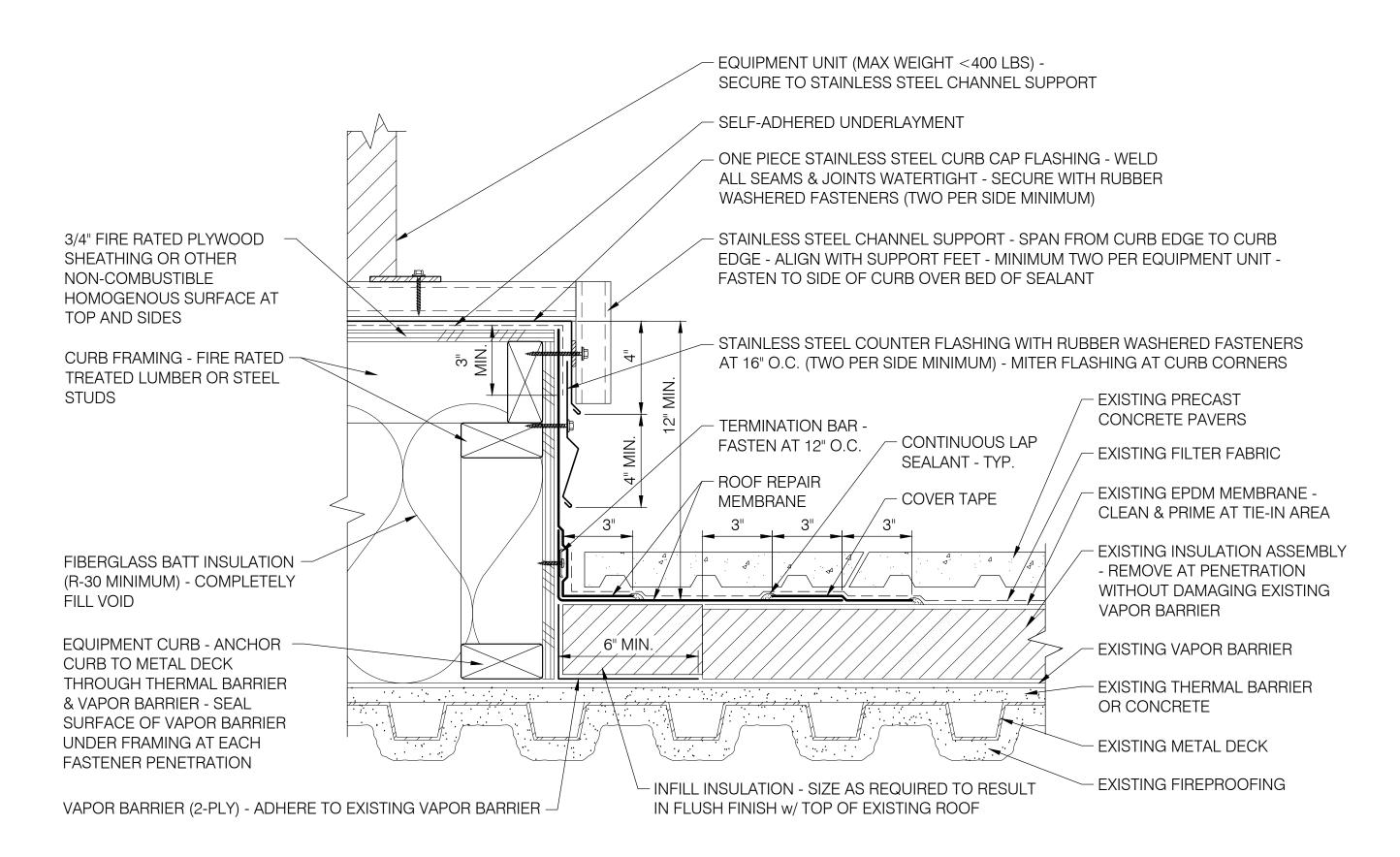


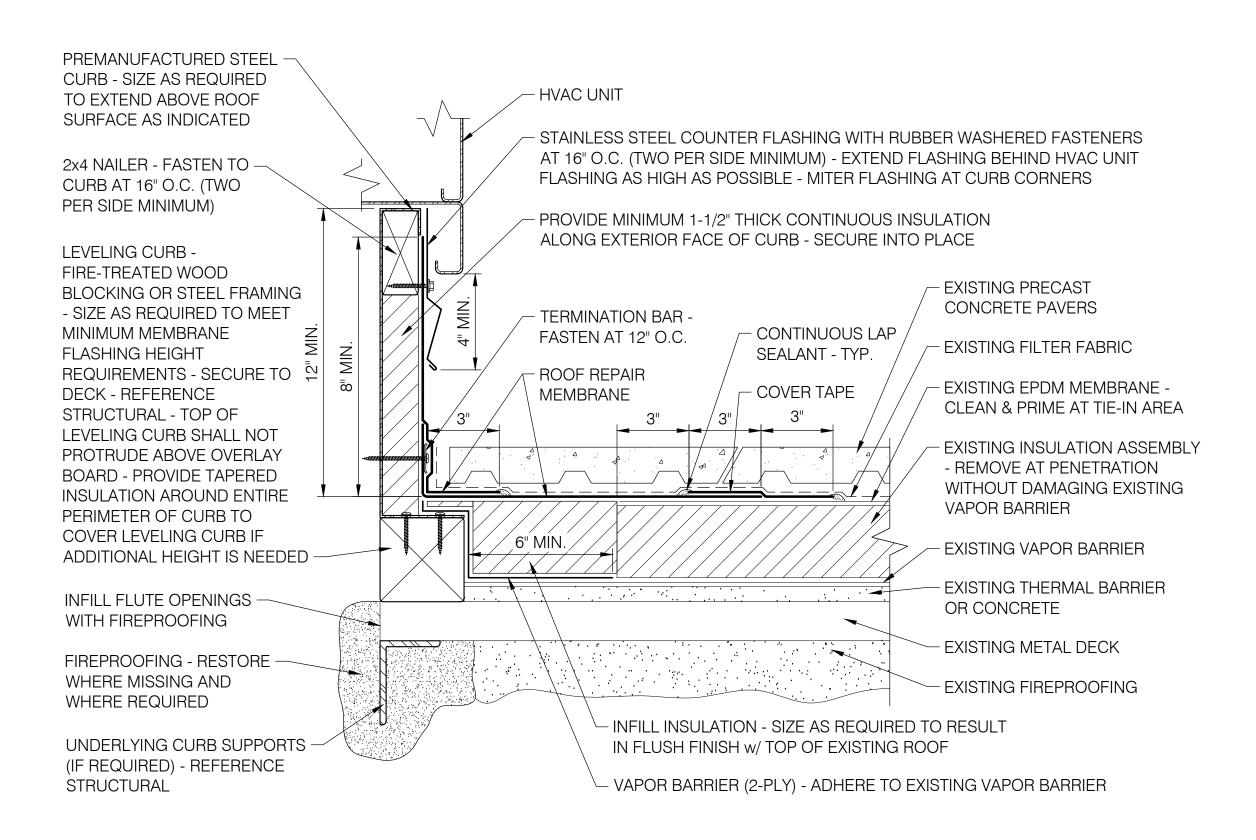


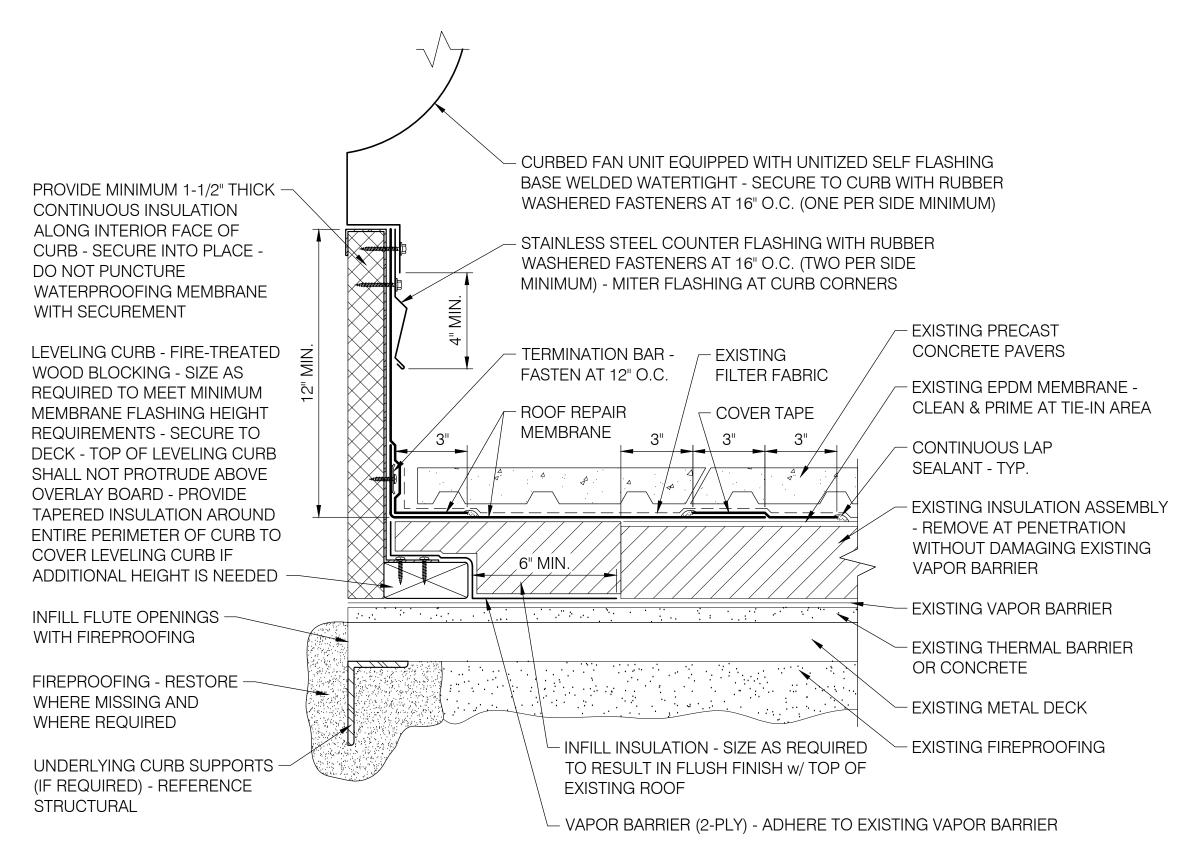


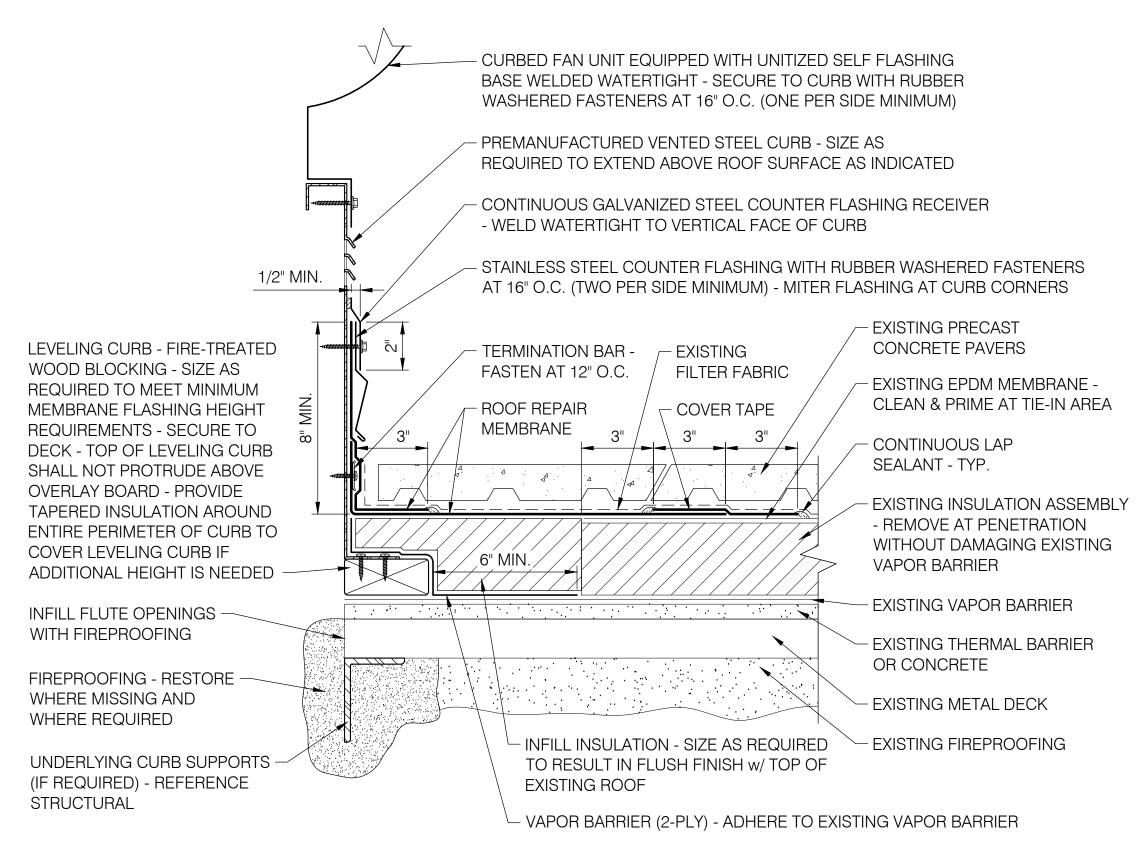


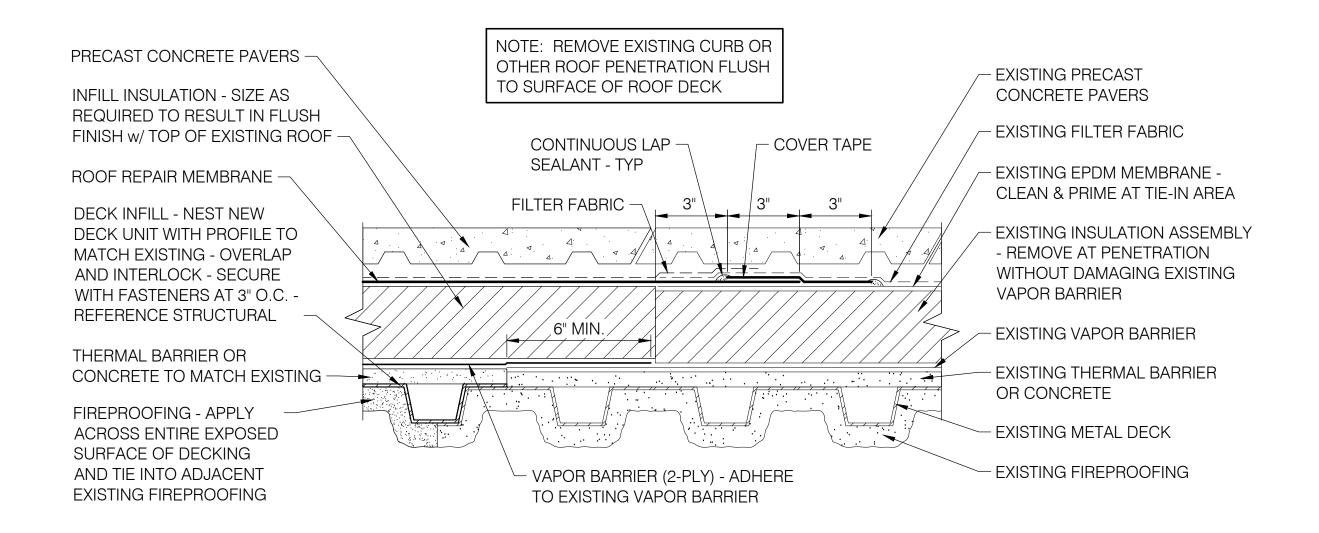


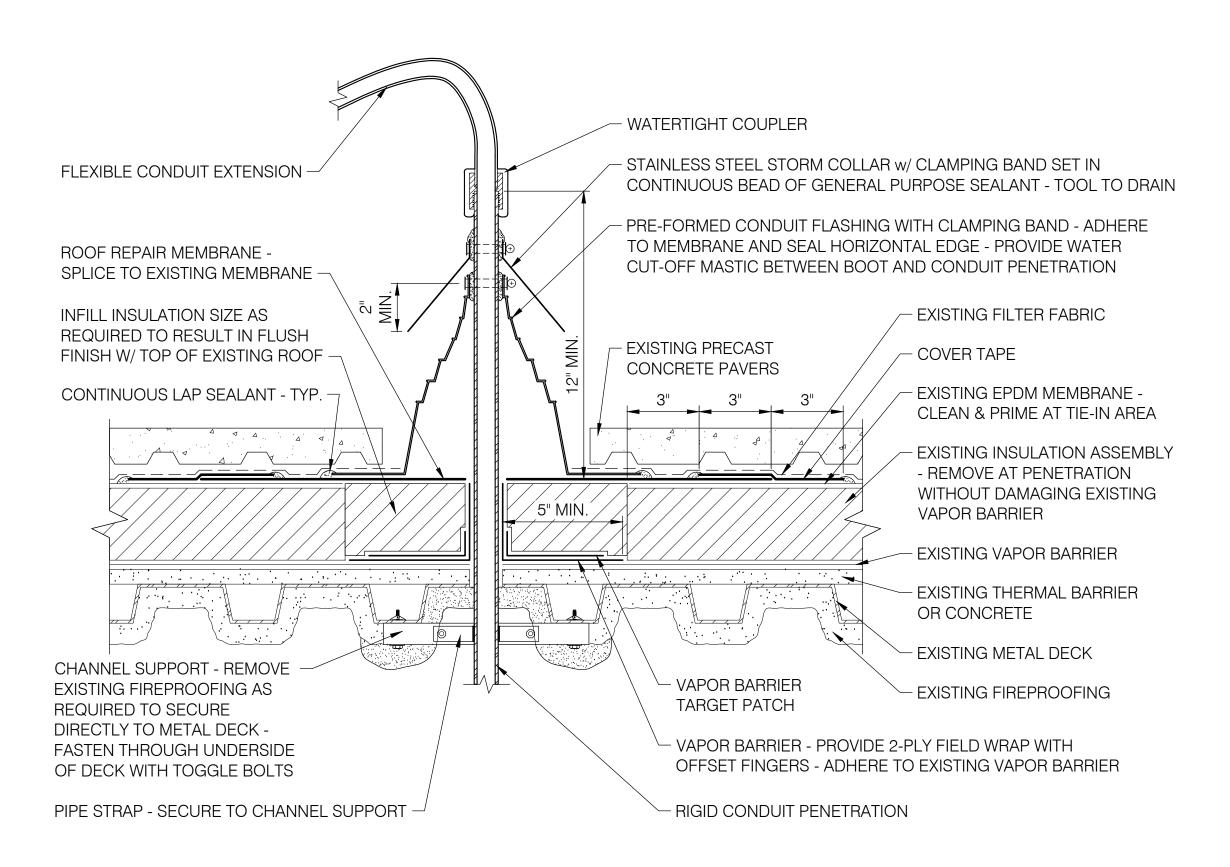


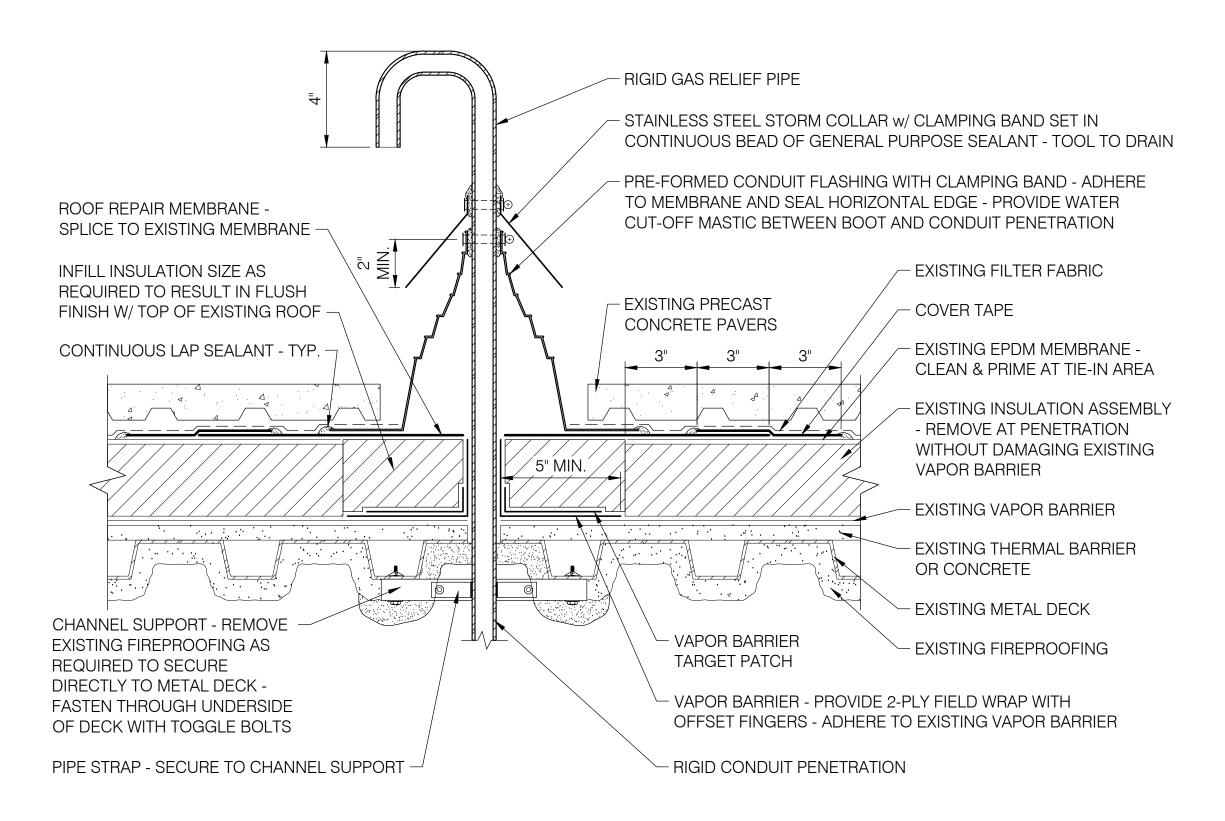


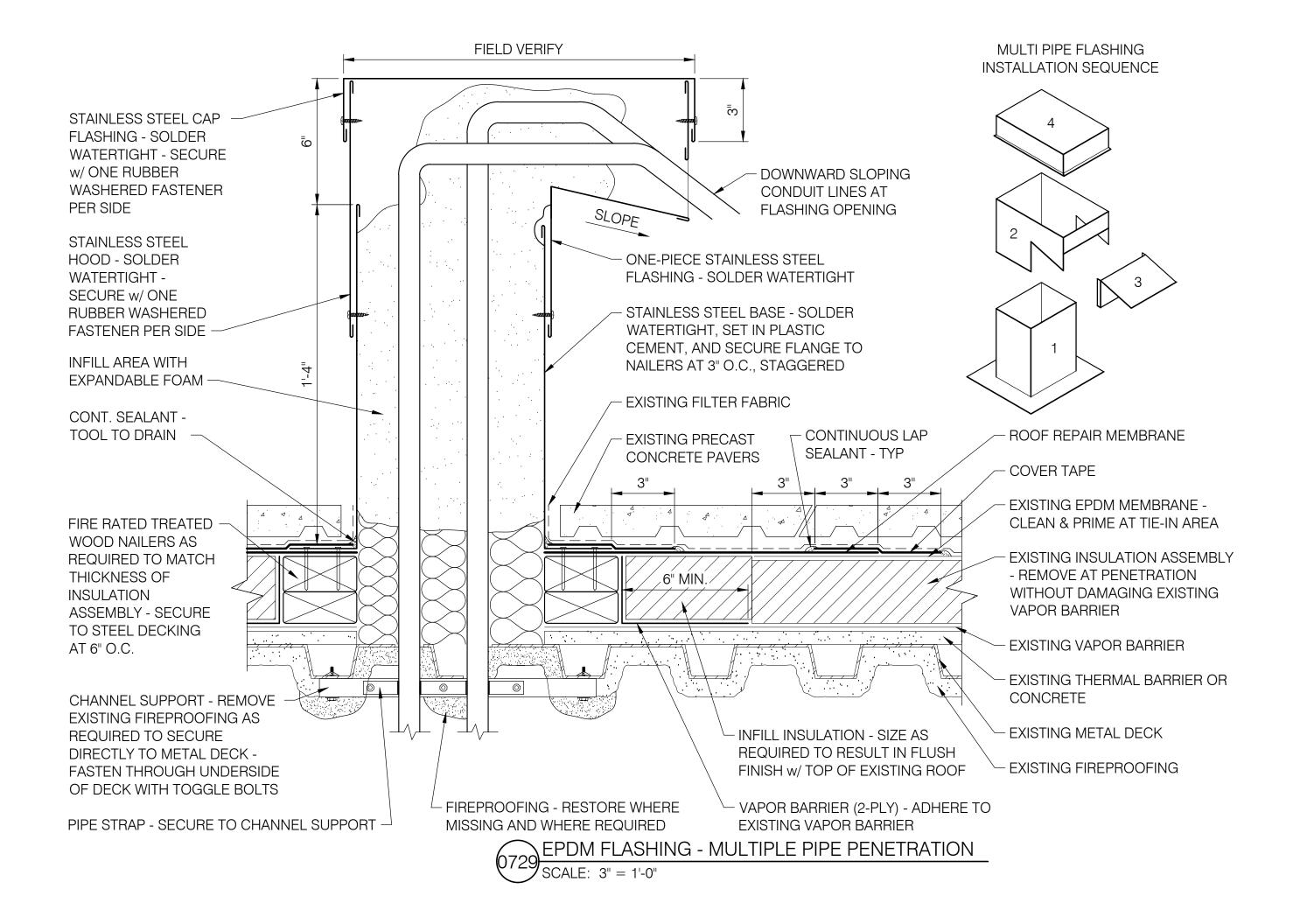


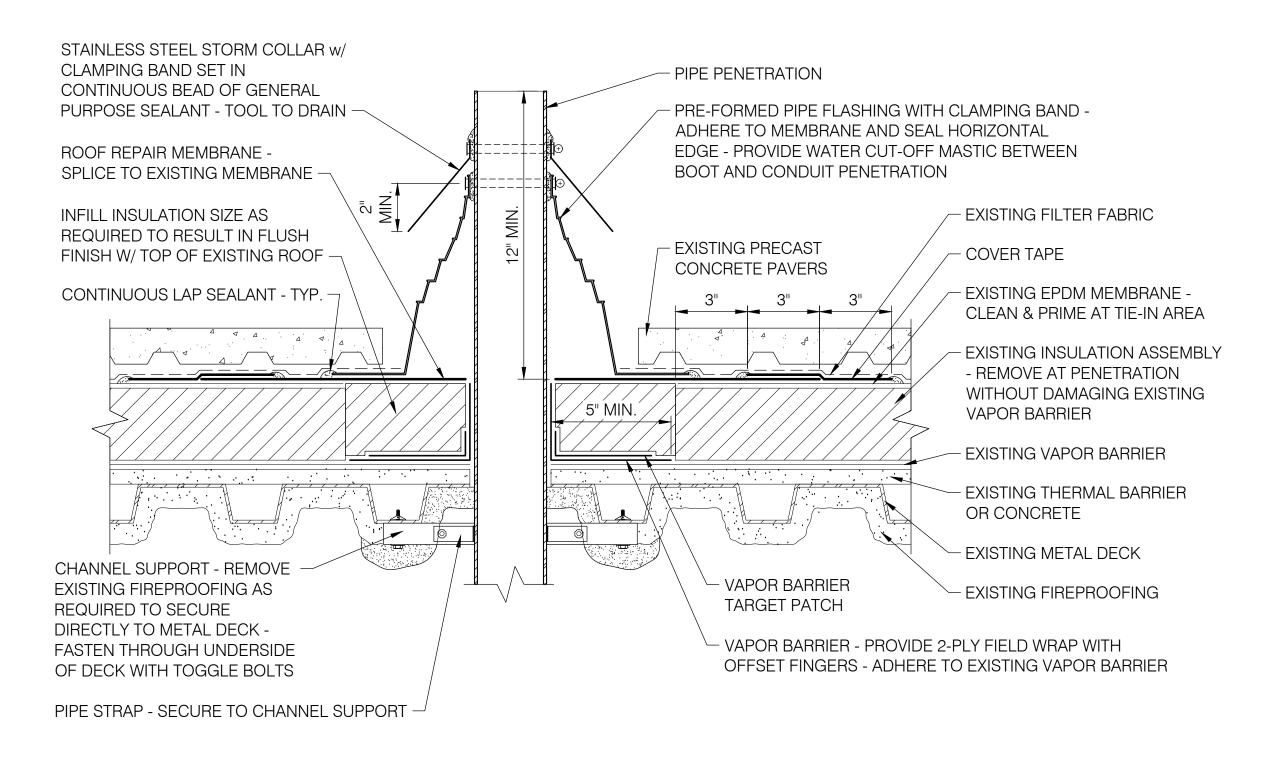


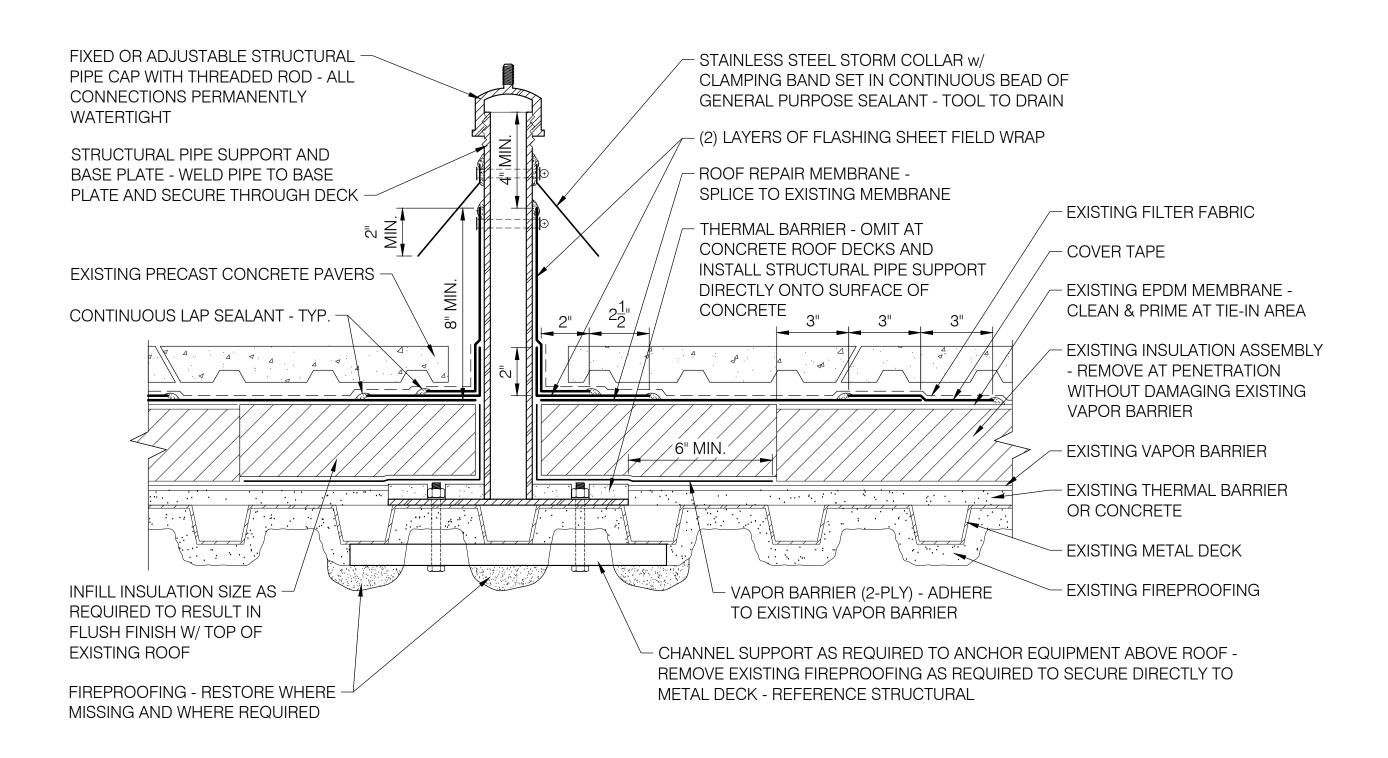


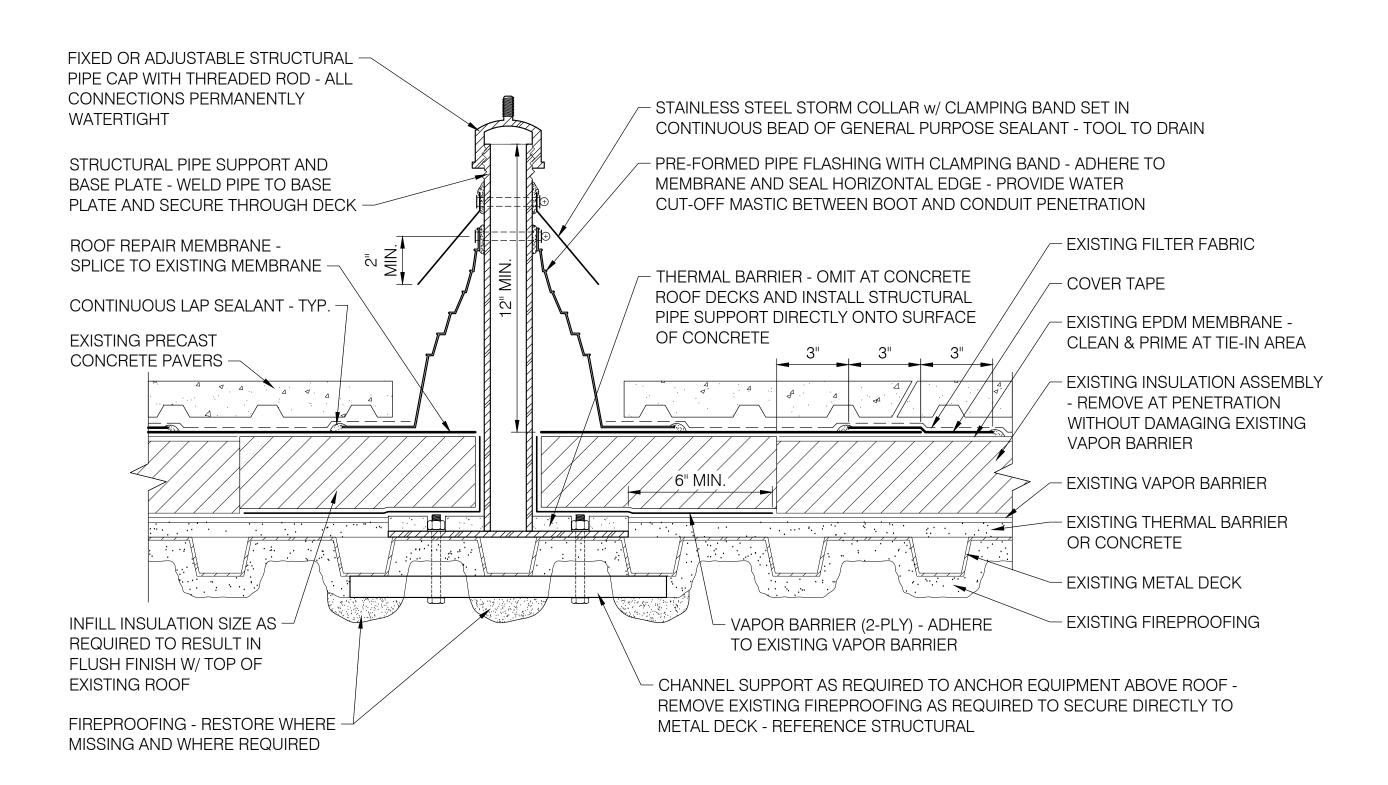


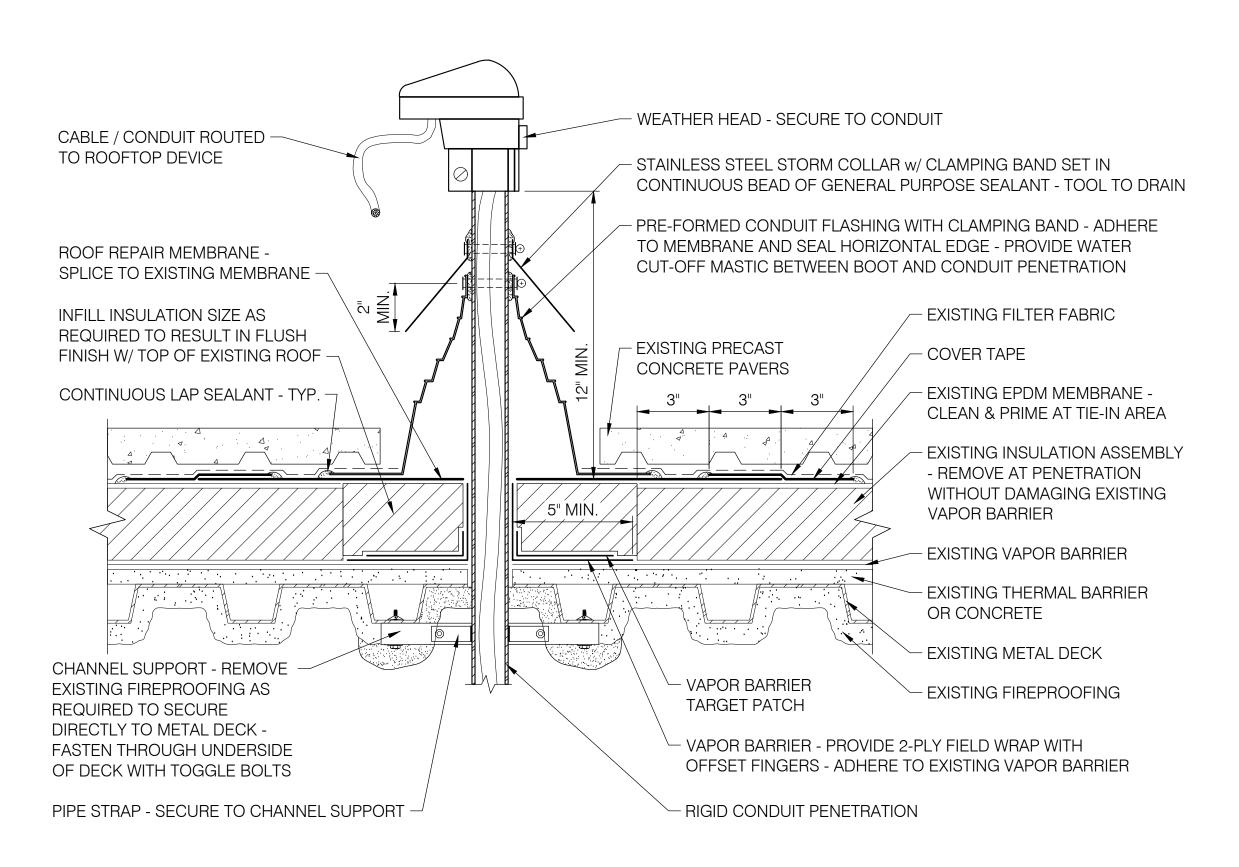


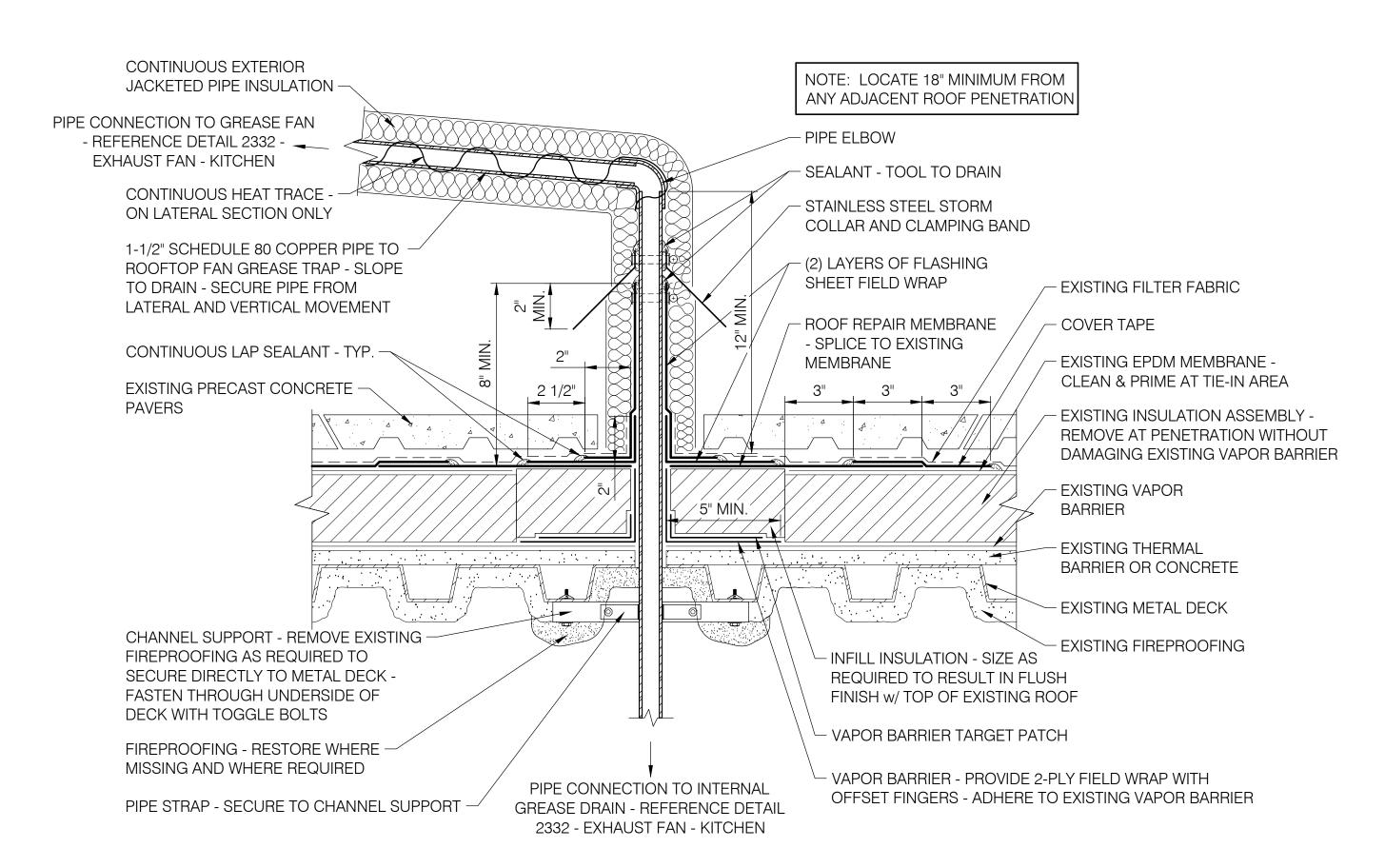


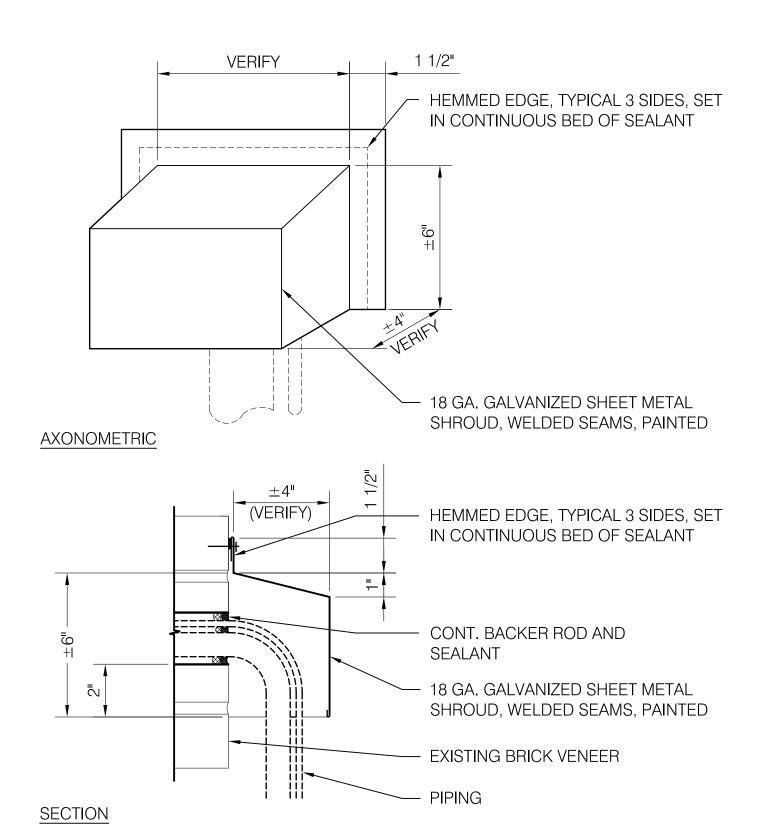


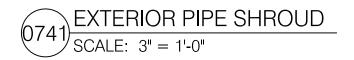


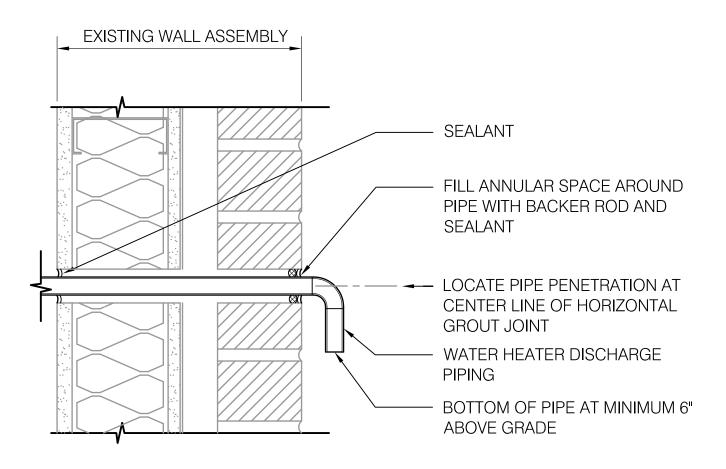


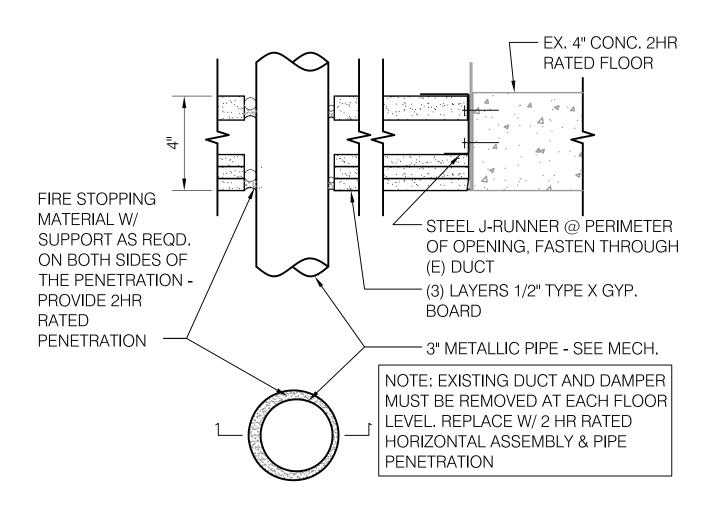


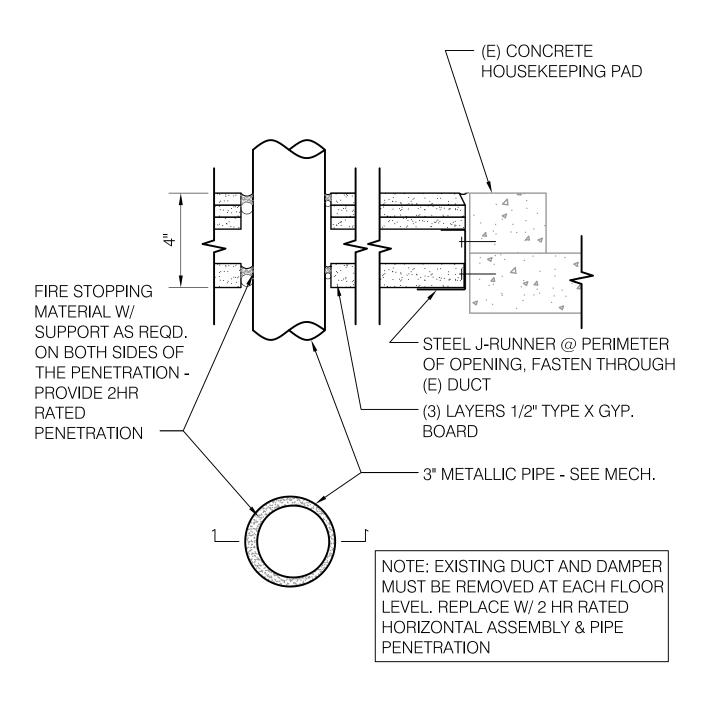


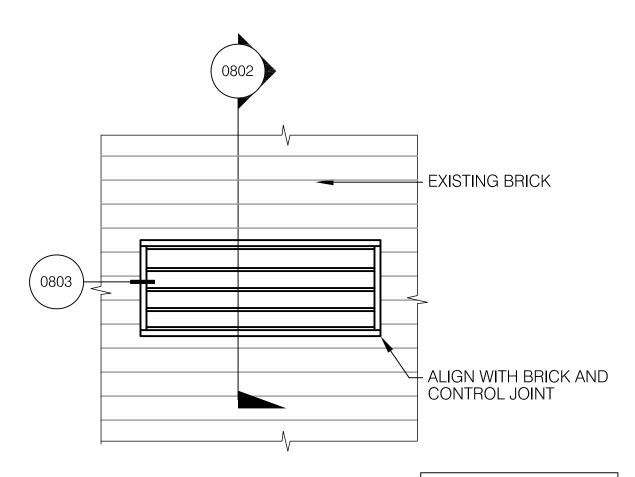






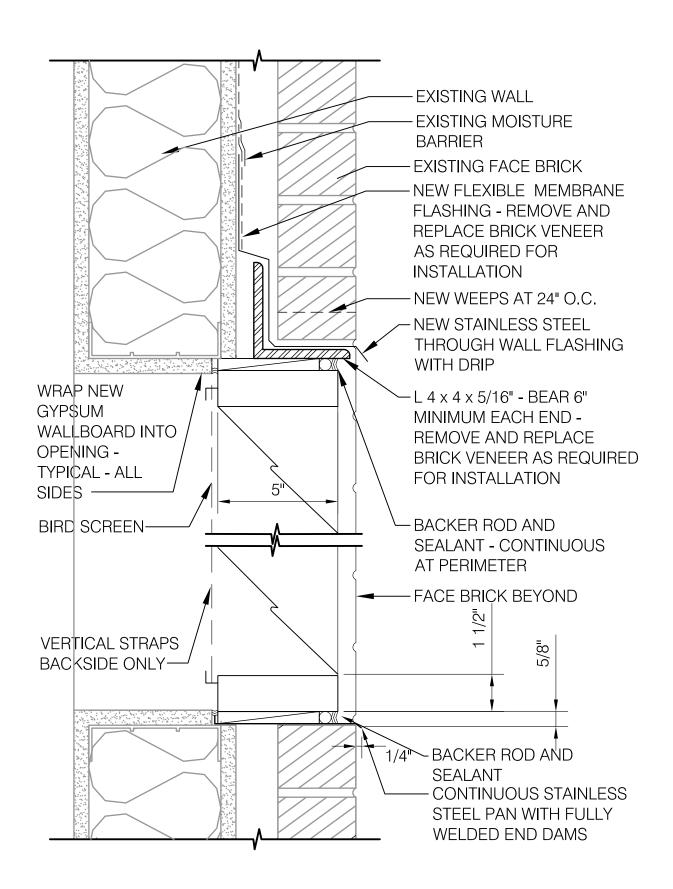


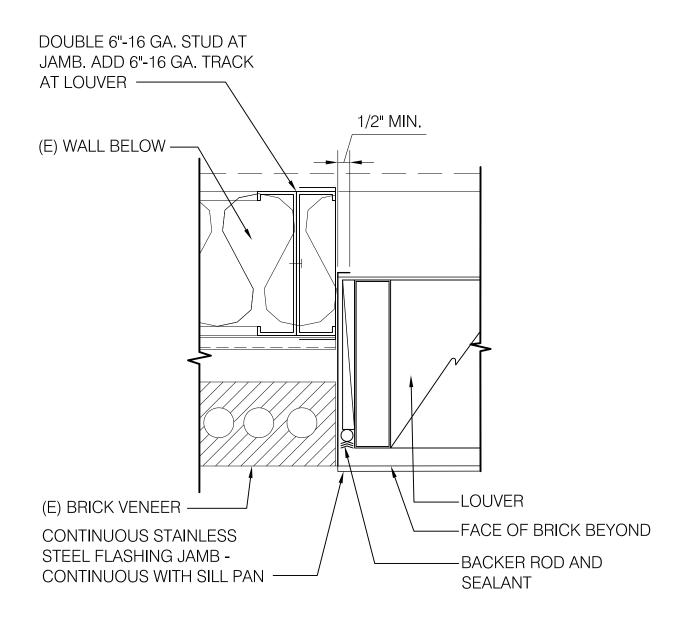


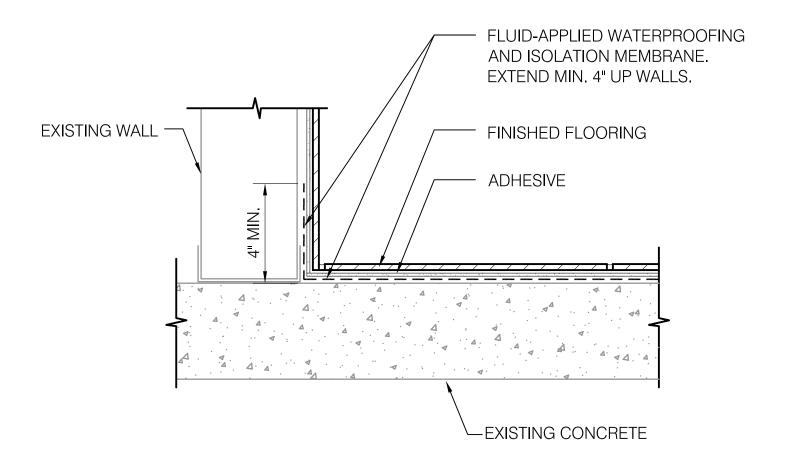


NOTE:

LOUVER DIMENSIONS PER MECHANICAL AND ARCHITECTURAL.

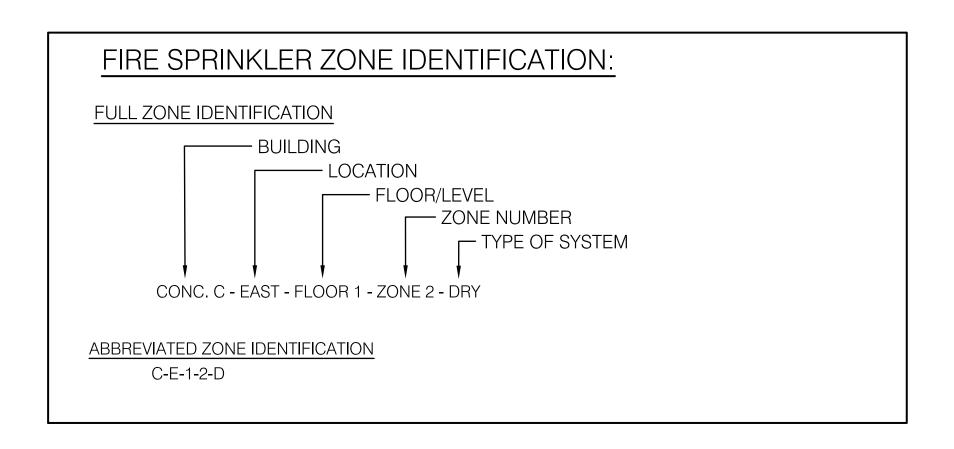


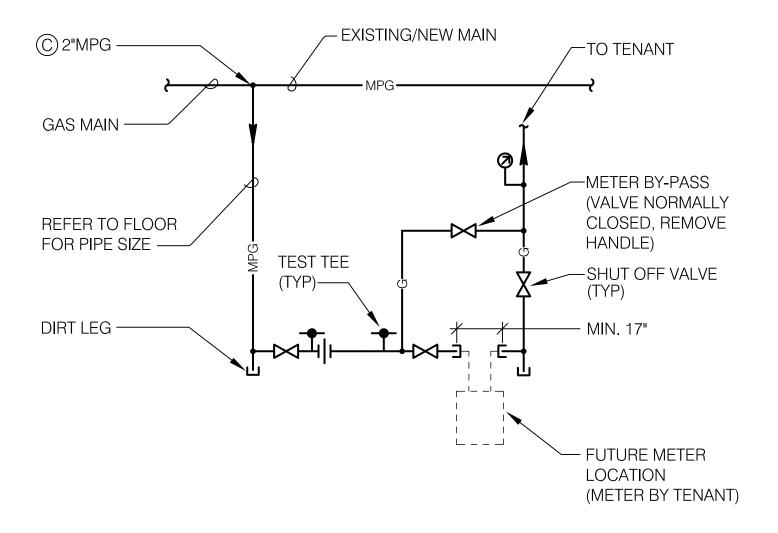




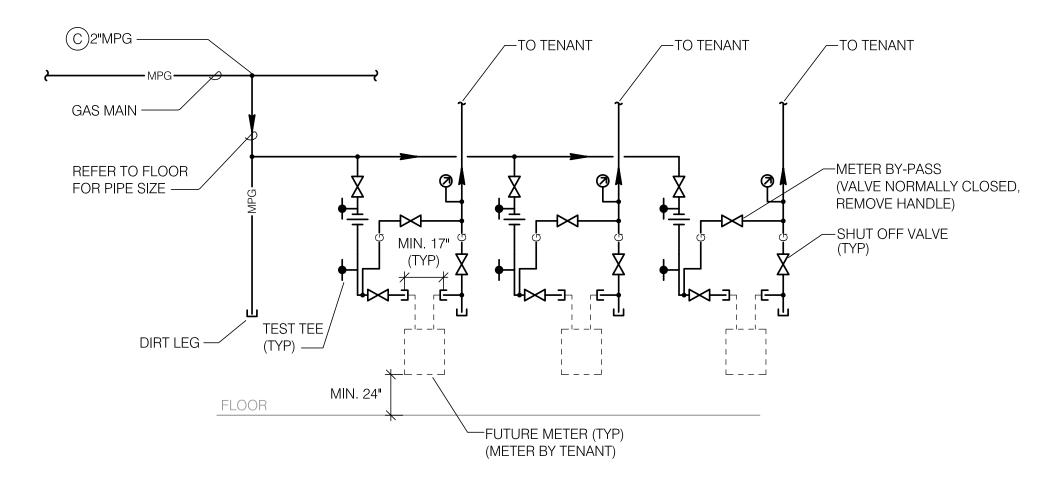
FIRE PROTECTION SYMBOLS:	
<u>SYMBOL</u>	DESCRIPTION
FDC	FDC INTERTIE
——— F ———	FIRE PROTECTION
SPR	FIRE SPRINKLER (WET)
———— DP ————	DRY PIPE SPRINKLER
PA	PREACTION SPRINKLER
——————————————————————————————————————	FIRE DEPARTMENT CONNECTION
\bowtie^{SO}	STANDPIPE OUTLET
SOC	STANDPIPE OUTLET CABINET
<u> </u>	FLOW SWITCH
<u> </u>	PRESSURE SWITCH
S	SUPERVISED SHUT-OFF VALVE
→ DPV → PAV	DRY PIPE VALVE ASSEMBLY
PAV	PREACTION VALVE ASSEMBLY
	FIRE SPRINKLER ZONE BOUNDARY



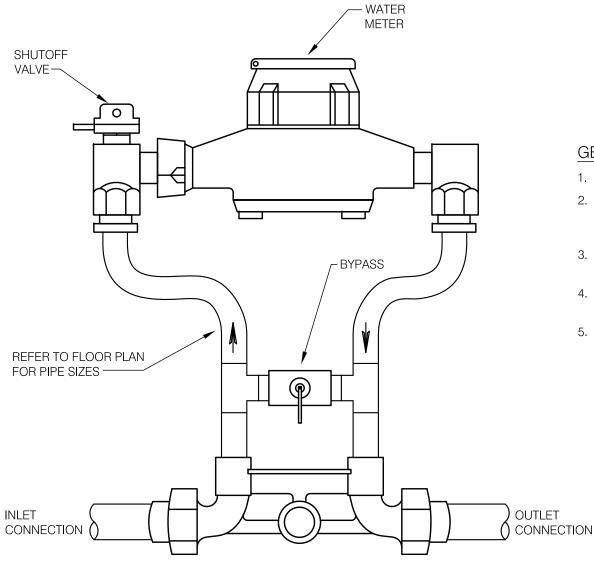




GAS METER 1
SCALE: NTS

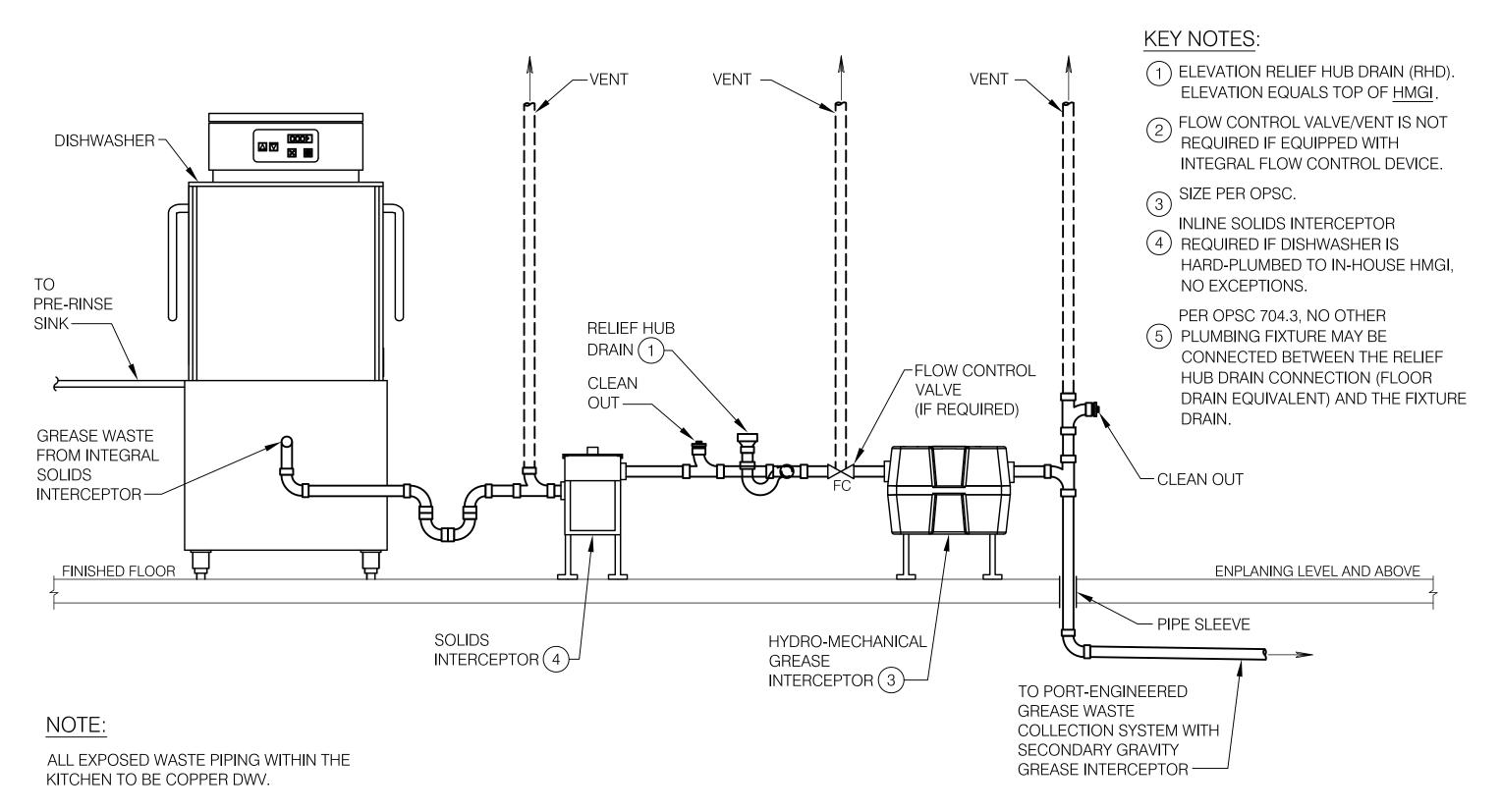


GAS METER 2
SCALE: NTS

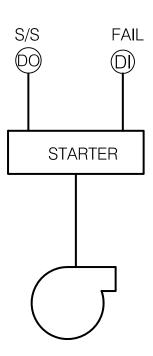


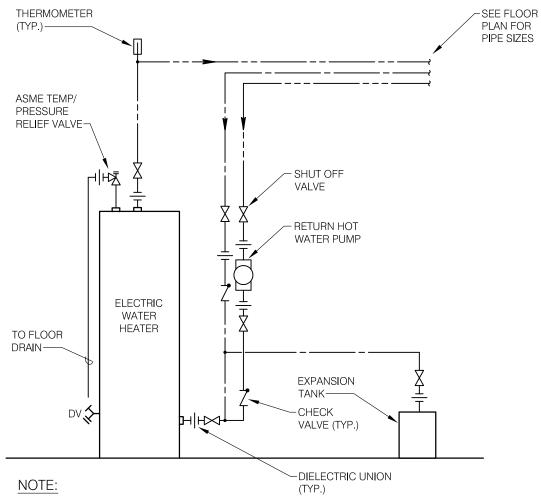
GENERAL NOTES:

- 1. POSITION METER IN HORIZONTAL PLANE.
- 2. METER TO BE IN ACCESSIBLE LOCATION FOR READING, SERVICING, AND/OR TESTING, 4'-6' A.F.F. PROVIDE LEAK TIGHT, PERMANENT SETTING TO ENSURE
- 3. METER CAN BE SERVICED WITHOUT NEGATIVELY AFFECTING KITCHEN PLUMBING.
- 4. PROVIDE PERMANENT ELECTRICAL GROUNDING TO PREVENT ACCIDENTAL SHOCK
- 5. PROVIDE HIGH QUALITY INLET SHUTOFF VALVE TO ALLOW METER MAINTENANCE. LOCATION OF METER MAY ALSO DICTATE A METER VALVE ON OUTLET SIDE TO PREVENT WATER DRAIN BACK WHEN METER IS REMOVED.



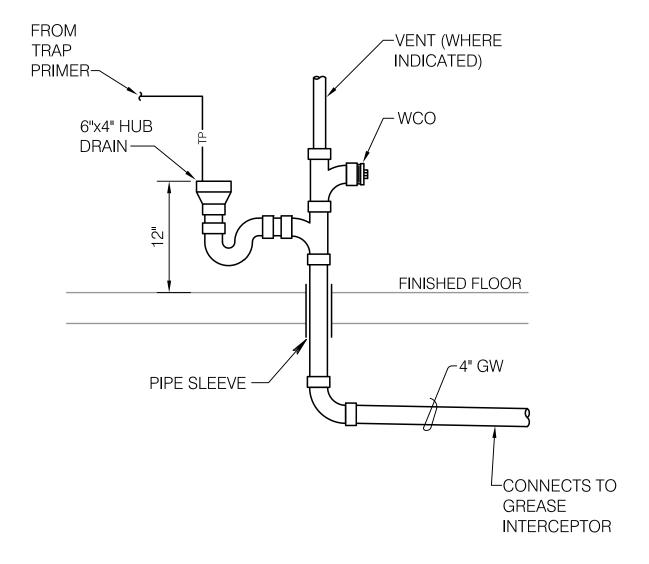




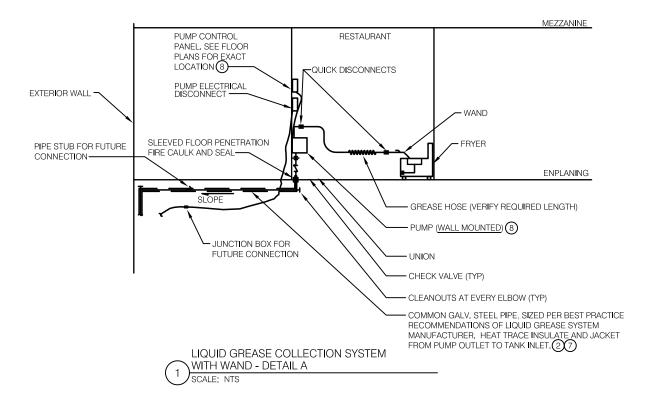


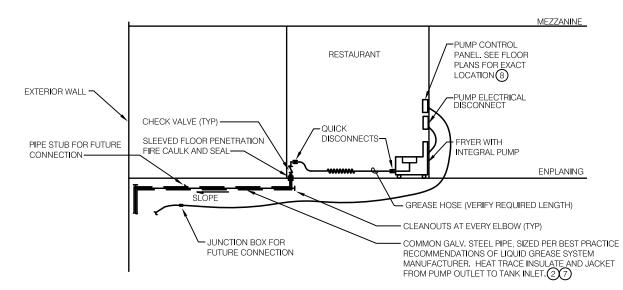
SEE SPECIFICATION FOR SEISMIC RESTRAINT REQUIREMENTS.









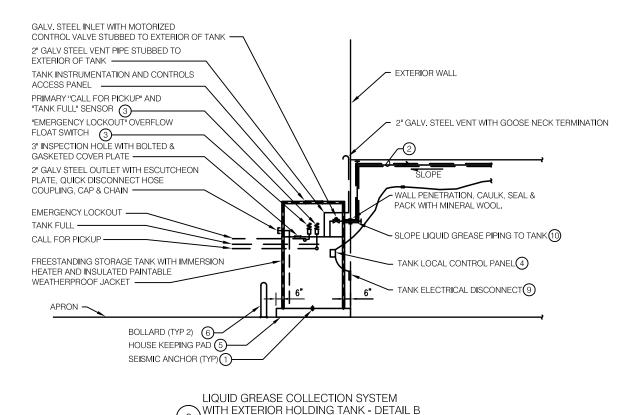


LIQUID GREASE COLLECTION SYSTEM WITH

DIRECT CONNECTION TO FRYER - DETAIL A

SCALE: NTS





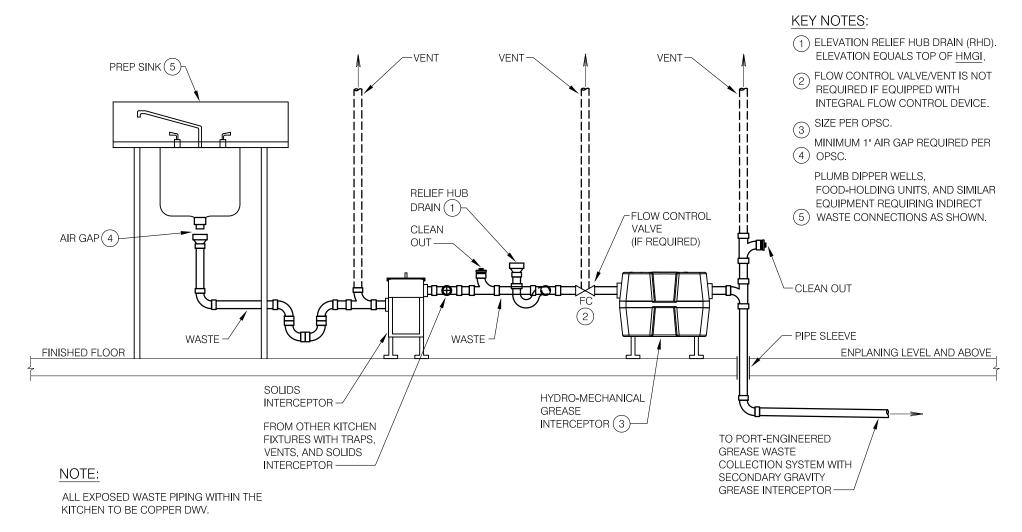
NOTES:

1. PROVIDE CUSTOM LIQUID GREASE COLLECTION SYSTEM WITH STAND ALONE PUMP STATION, STORAGE TANK, CONTROLS, WIRING PIPE AND FITTINGS, VALVES AND ACCESSORIES, AS INDICATED ON THE DRAWINGS AND AS SPECIFIED IN SECTION 221319. 2. BASIS OF DESIGN: FRONTLINE INTERNATIONAL MODEL 4280-NA, LIQUID GREASE COLLECTION SYSTEM.

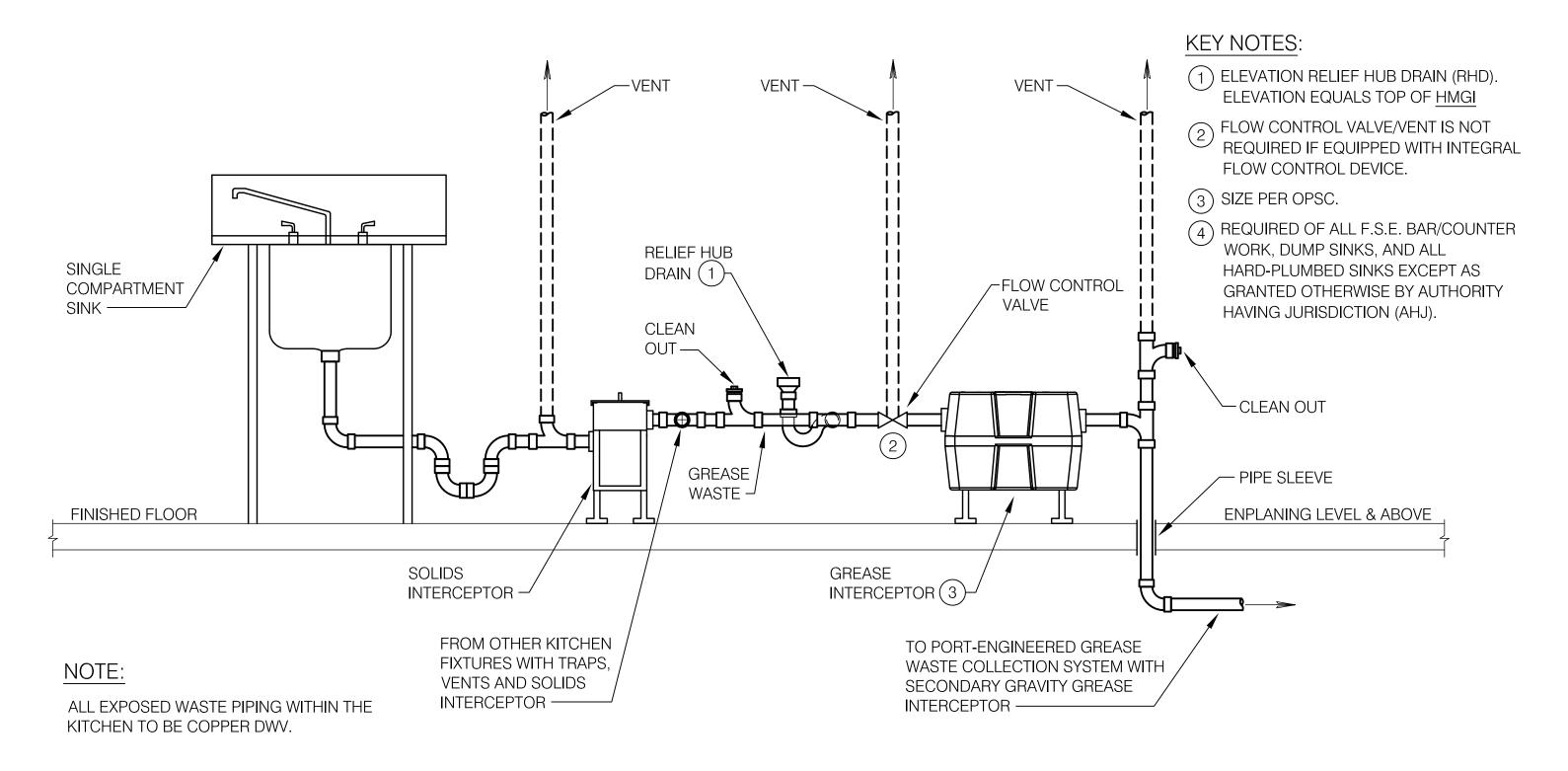
KEY NOTES:

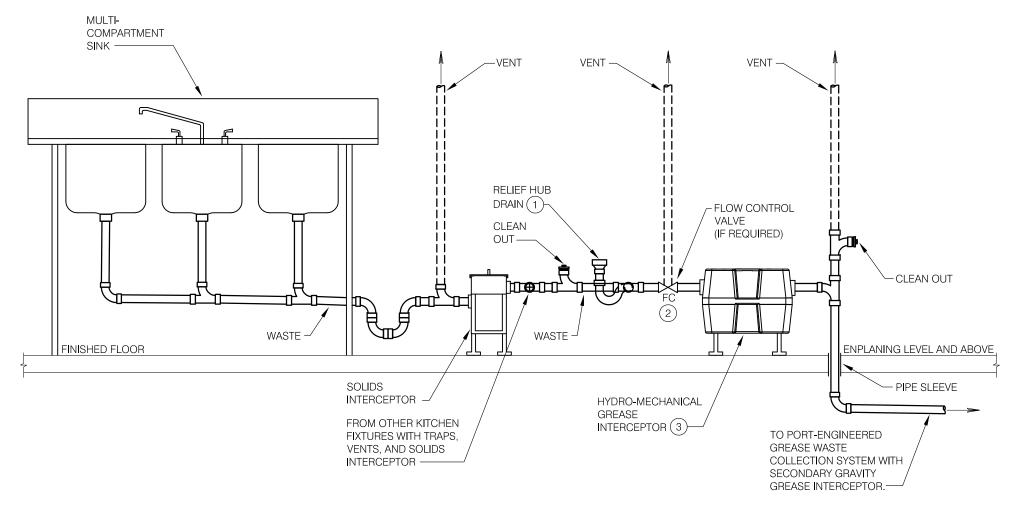
- 1 SEISMIC ANCHORS: PROVIDE PER REQUIREMENTS OF SECTION 220545.
- (2) HEAT TRACE CABLE FOR LIQUID GREASE FLOW MAINTENANCE: PROVIDE PER REQUIREMENTS OF SECTION 220520, ARTICLE 2.3 AND 3.3.
- (3) PRIMARY LIQUID LEVEL SENSOR AND OVERFLOW FLOAT SWITCH: MOUNT INDEPENDENTLY OF OTHER ELECTRICAL DEVICES, CONDUIT AND WIRING. PROVIDE MEANS FOR QUICK DISCONNECT OF LIQUID LEVEL SENSOR AND FLOAT SWITCH AND REMOVAL OF LIQUID LEVEL SENSOR AND FLOAT SWITCH, WITHOUT DISCONNECTION OR RELOCATION OF OTHER ELECTRICAL DEVICES AND WIRING.
- 4 TANK CONTROL PANEL: MOUNT IN WEATHERPROOF NEMA ENCLOSURE ON EXTERIOR OF TANK. PROVIDE TANK CONTROL PANEL WITH "POWER", "CALL FOR PICKUP", "TANK FULL" AND "EMERGENCY LOCKOUT" INDICATION LIGHTS.
- (5) HOUSEKEEPING PAD: PROVIDE PER PDX TECHNICAL GUIDELINE SPECIFICATIONS AND STANDARD DETAILS.
- 6 BOLLARD (BOLT-IN-PLACE): PROVIDE PER PDX TECHNICAL GUIDELINE SPECIFICATIONS AND STANDARD DETAILS.
- 7) PIPE INSULATION AND JACKETING: PROVIDE PER REQUIREMENTS OF SECTIONS 221319 AND 220719.

- (8) PUMP CONTROL PANEL: PROVIDE WITH PUMP ON/OFF SWITCH, PUMP "POWER" INDICATION LIGHT, AND TANK REMOTE "CALL FOR PICKUP" AND "TANK FULL" INDICATION LIGHTS.
- 9 TANK ELECTRICAL DISCONNECT: WALL MOUNT ADJACENT TO TANK IN WEATHERPROOF NEMA ENCLOSURE.
- (10) PROVIDE ECCENTRIC REDUCERS AT REDUCTIONS IN PIPE SIZE.

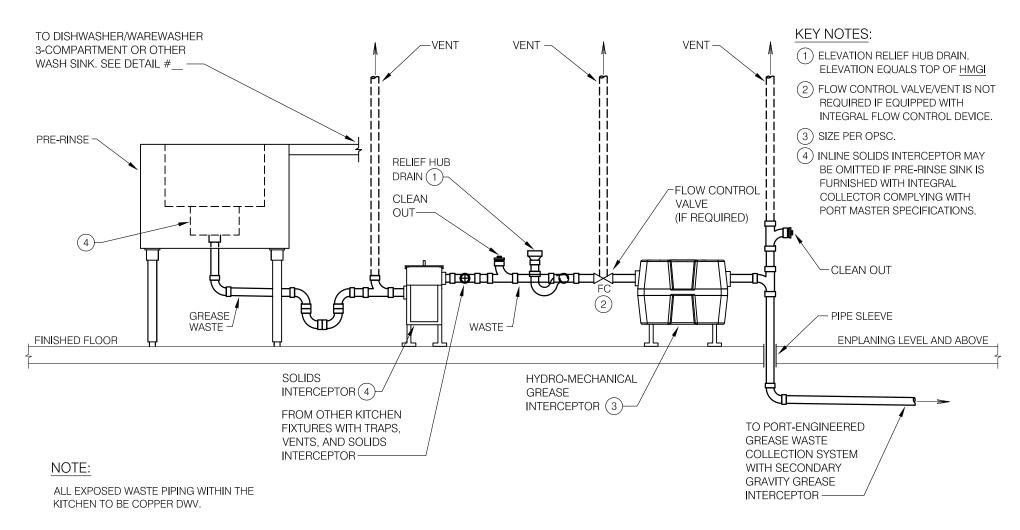


SINK - FOOD PREP OR INDIRECTLY DRAINED EQUIPMENT SCALE: NTS

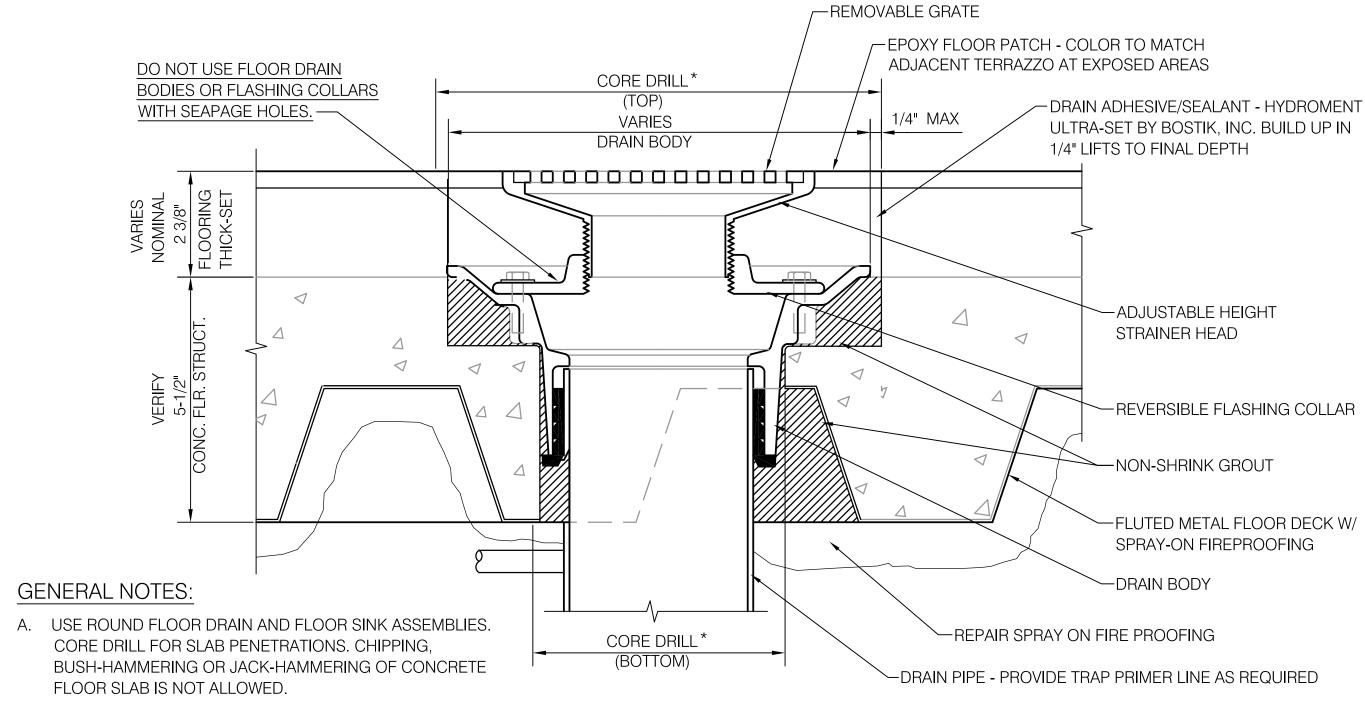




SINK - MULTI COMPARTMENT 4
SCALE: NTS

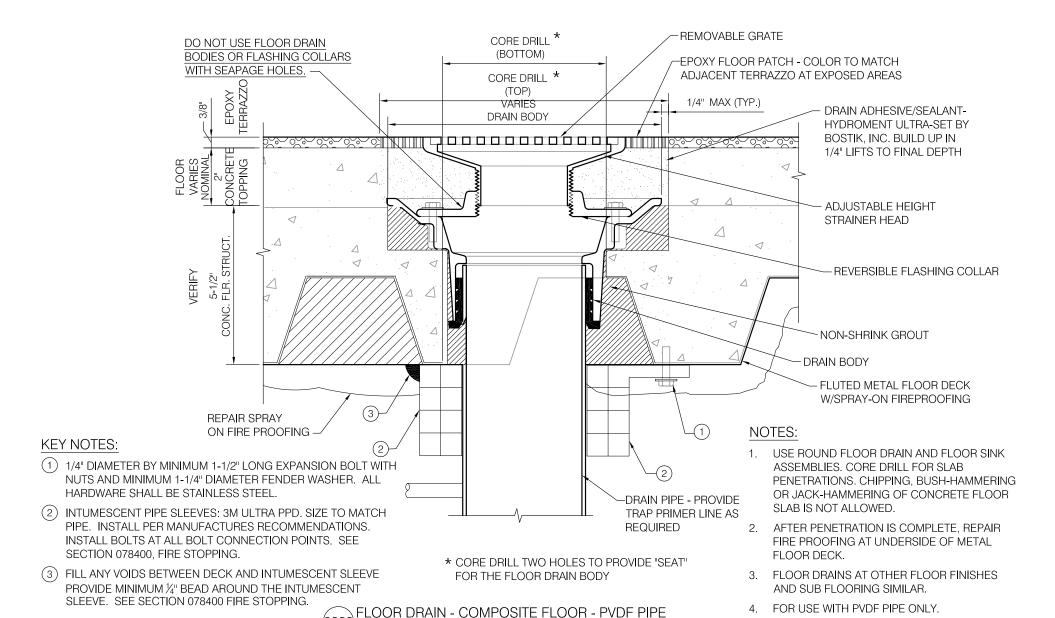


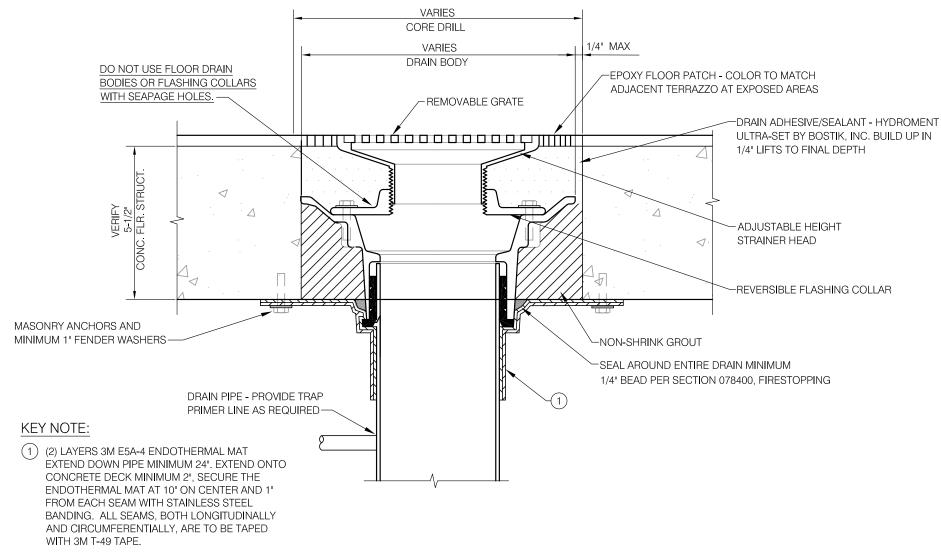
SINK - PRE RINSE SCALE: NTS



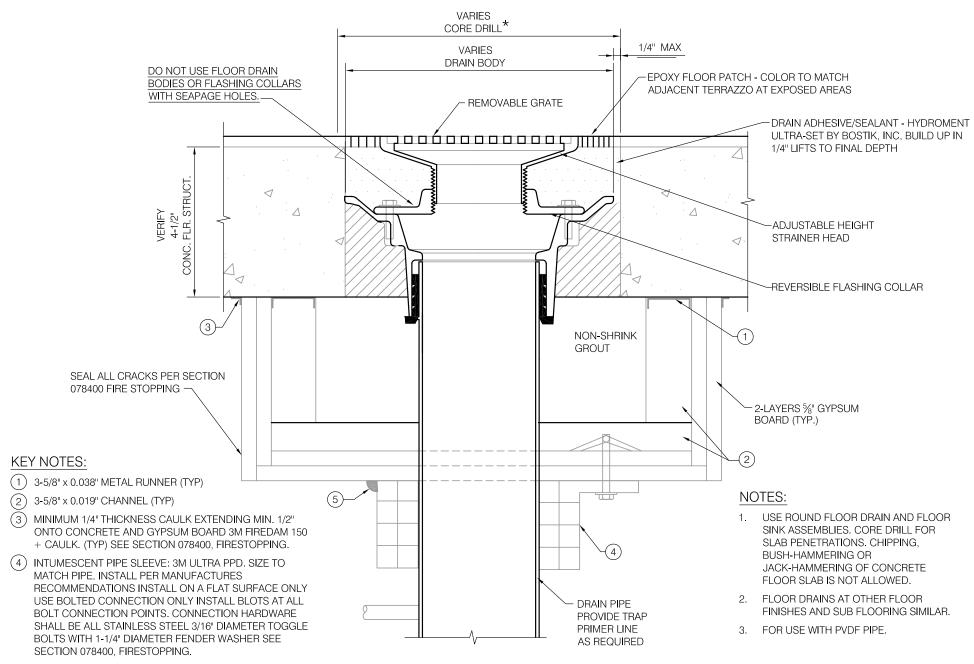
- B. AFTER PENETRATION IS COMPLETE, REPAIR FIRE PROOFING AT UNDERSIDE OF METAL FLOOR DECK.
- C. FLOOR SINKS AT OTHER FLOOR FINISHES AND SUB FLOORING SIMILAR.

* CORE DRILL TWO HOLES TO PROVIDE "SEAT" FOR FLOOR DRAIN BODY



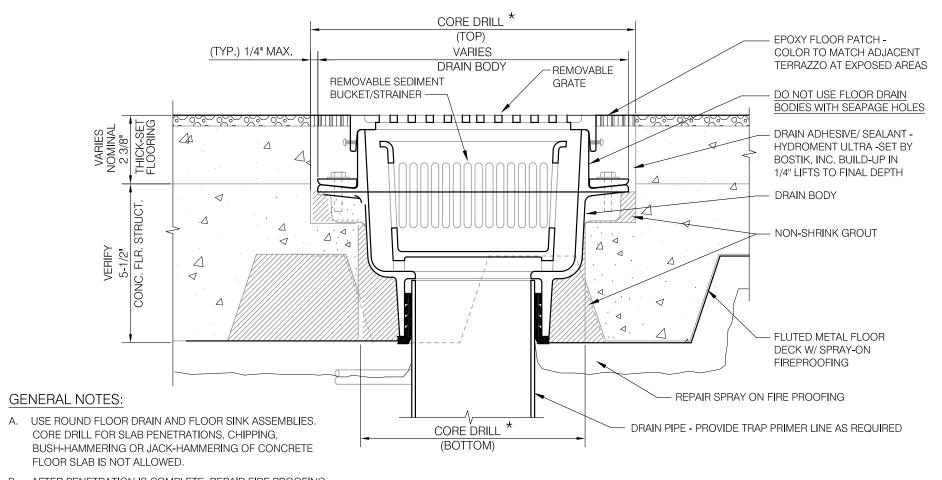






(5) PROVIDE MINIMUM 1/2" BEAD CAULK AT INTERFACE WITH INUMESCENT SLEEVE PER SECTION 078400 FIRESTOPPING.

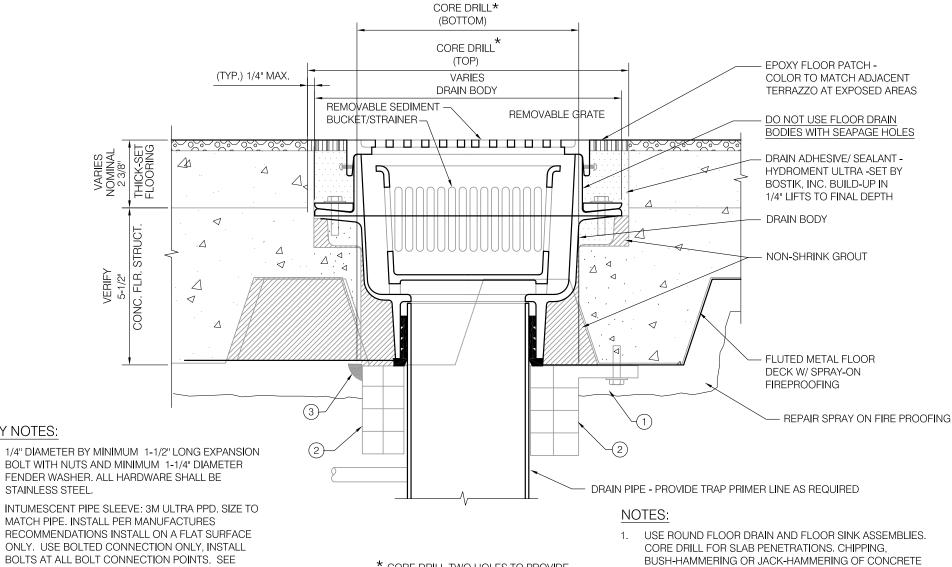




B. AFTER PENETRATION IS COMPLETE, REPAIR FIRE PROOFING AT UNDERSIDE OF METAL FLOOR DECK.

C. FLOOR SINKS AT OTHER FLOOR FINISHES AND SUB FLOORING SIMILAR.

*CORE DRILL TWO HOLES TO PROVIDE "SEAT" FOR FLOOR SINK BODY

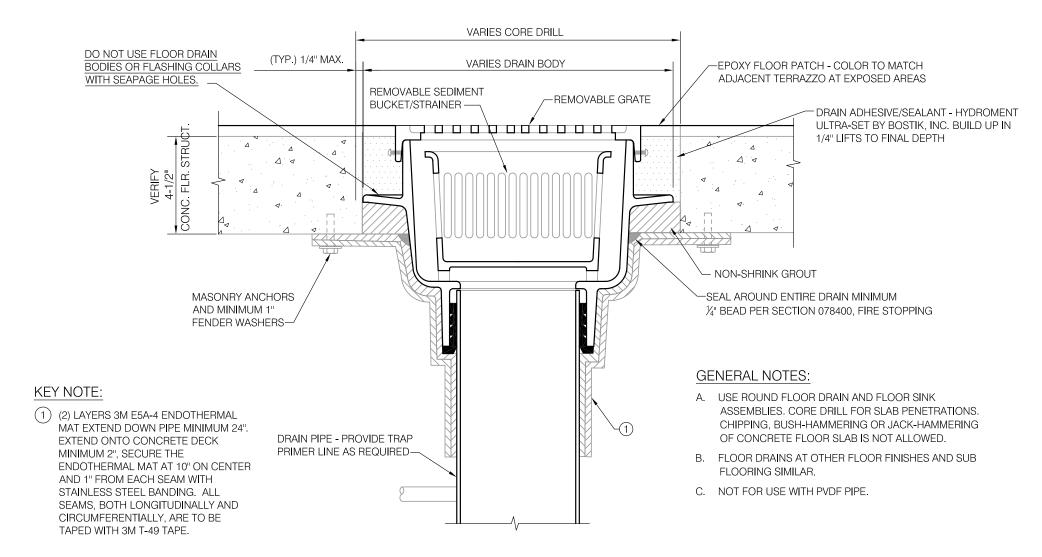


SECTION 078400. FIRE STOPPING. FILL ANY VOIDS BETWEEN DECK AND INTUMESCENT SLEEVE PROVIDE MINIMUM 1/4" BEAD AROUND THE INTUMESCENT SLEEVE

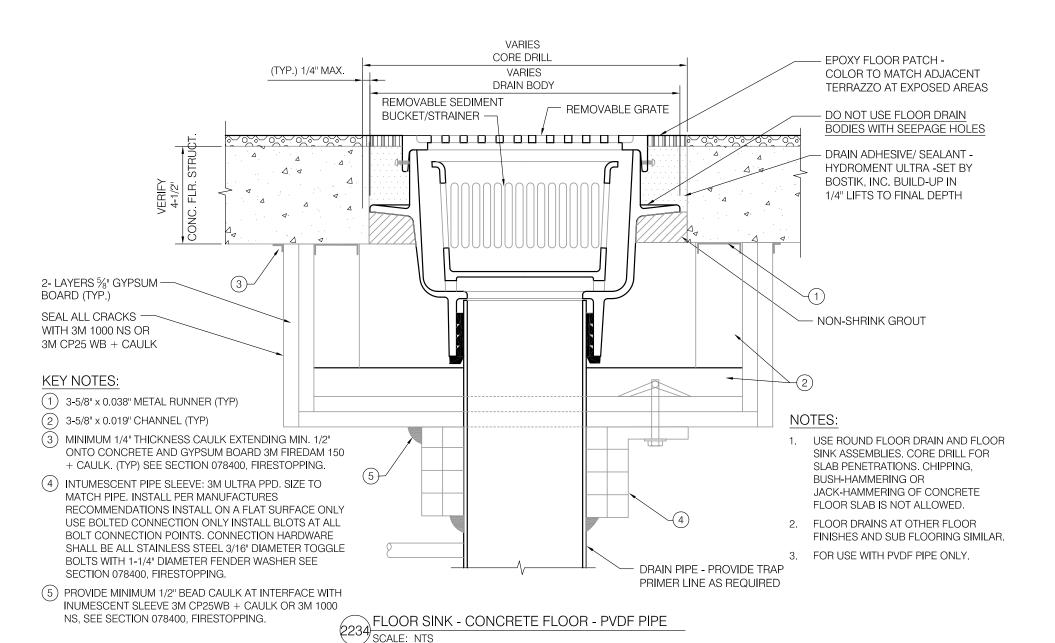
KEY NOTES:

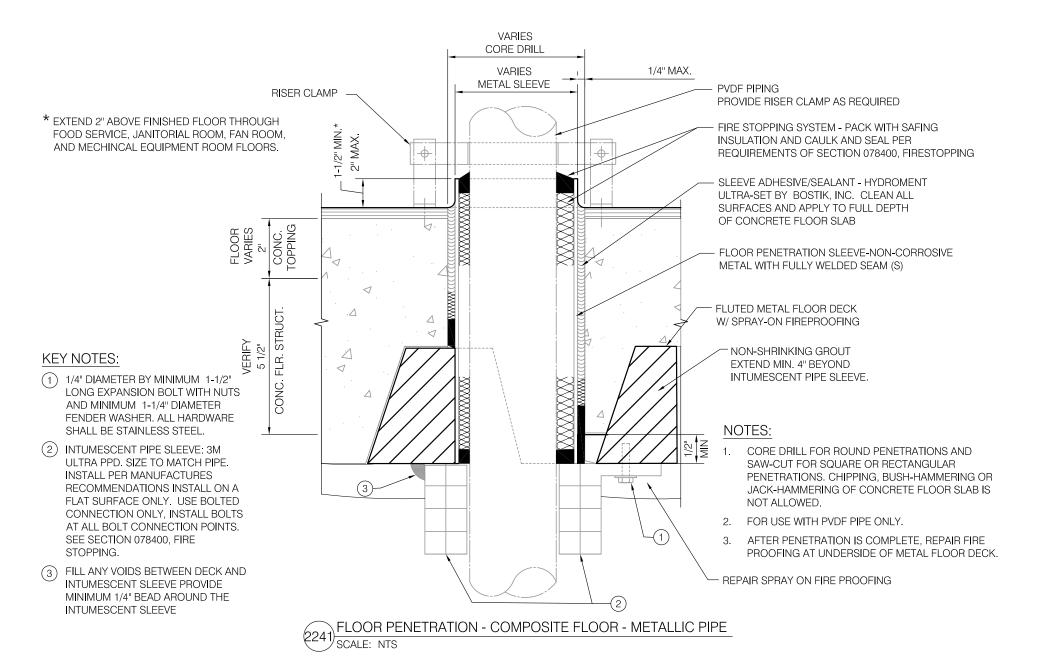
- * CORE DRILL TWO HOLES TO PROVIDE "SEAT" FOR FLOOR SINK BODY
- FLOOR SLAB IS NOT ALLOWED.
- 2. AFTER PENETRATION IS COMPLETE, REPAIR FIRE PROOFING AT UNDERSIDE OF METAL FLOOR DECK.
- FLOOR SINKS AT OTHER FLOOR FINISHES AND SUB FLOORING SIMILAR
- FOR USE WITH PVDF PIPE ONLY.

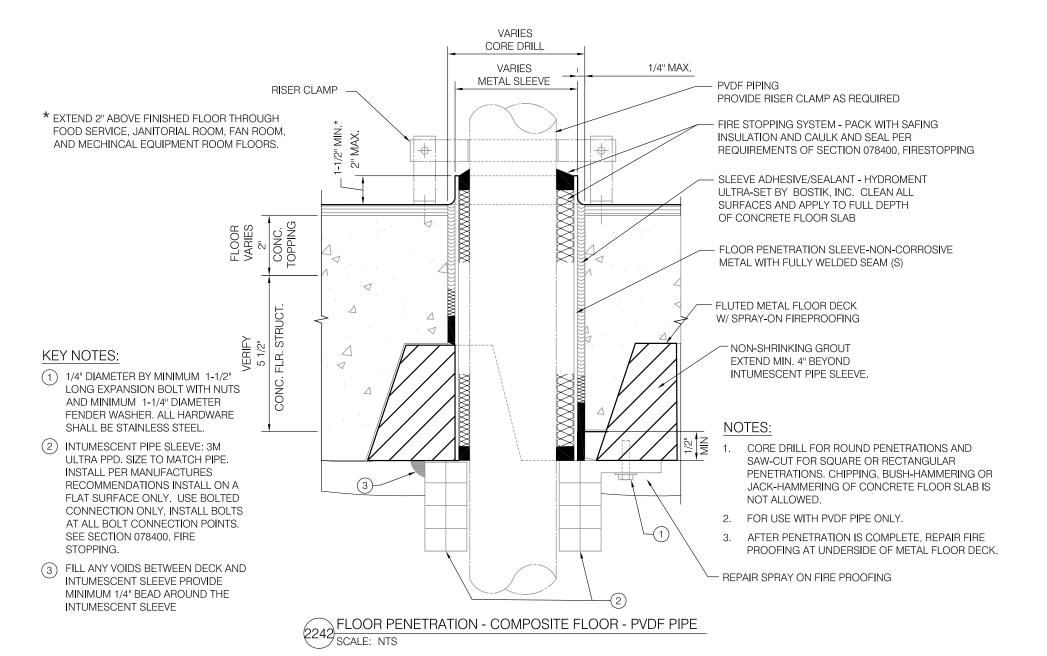
FLOOR SINK - COMPOSITE FLOOR - PVDF PIPE SCALE: NTS

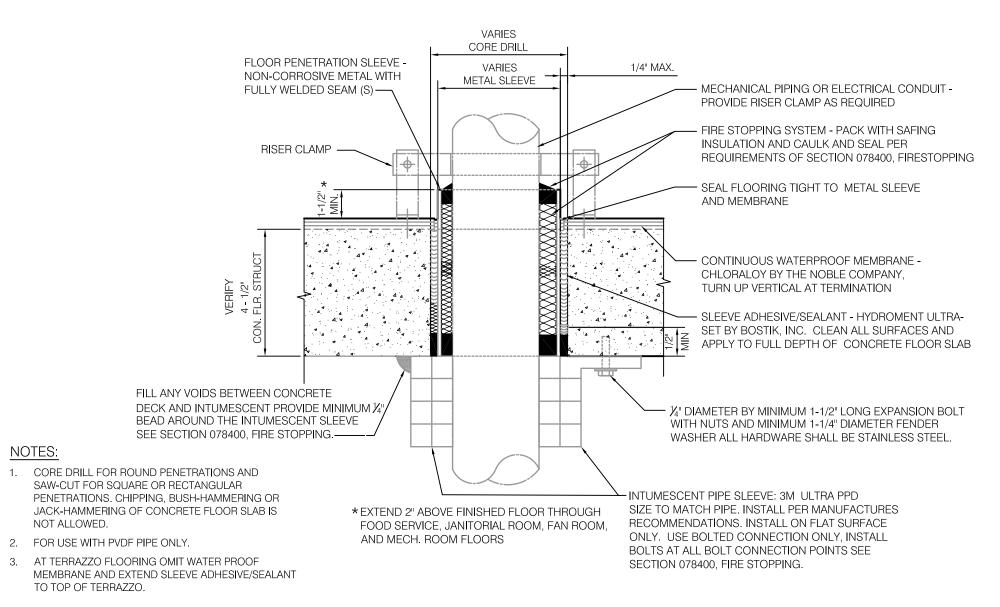


FLOOR SINK - CONCRETE FLOOR - METALLIC PIPE SCALE: NTS

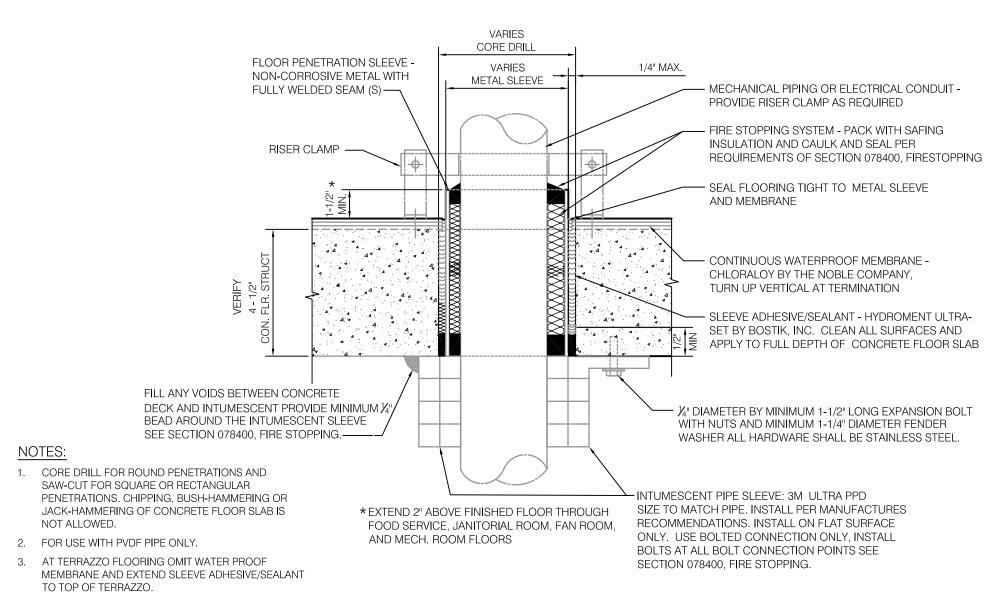


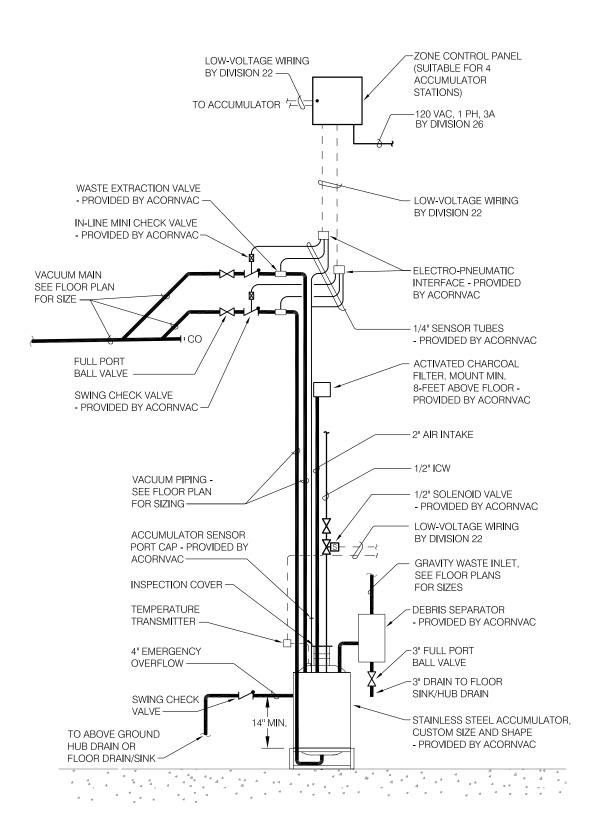


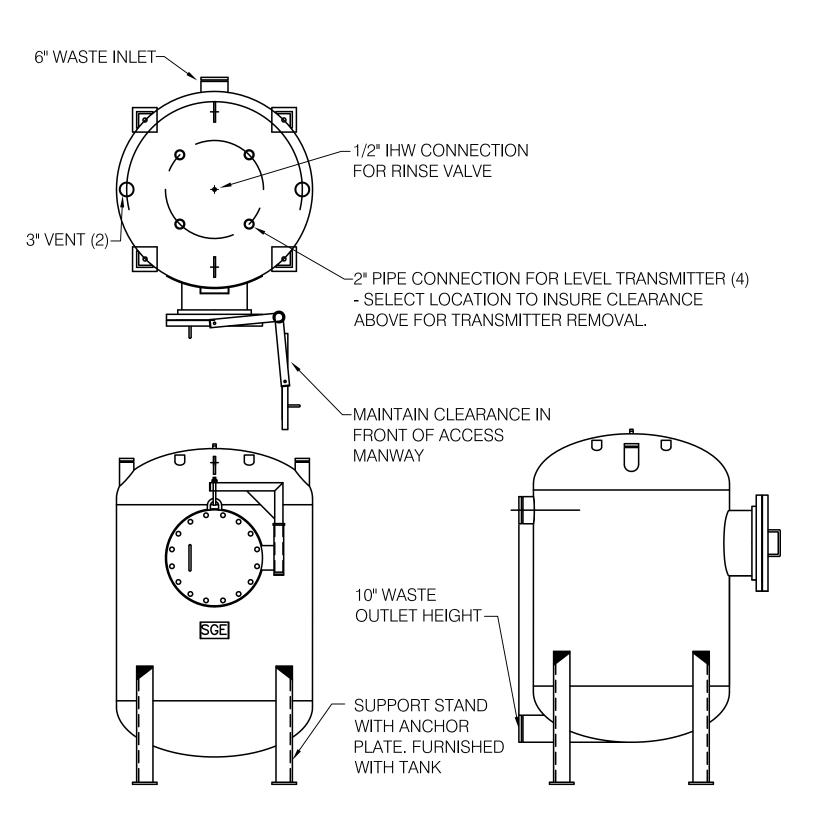


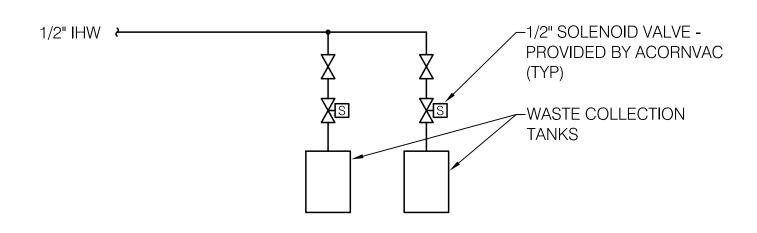




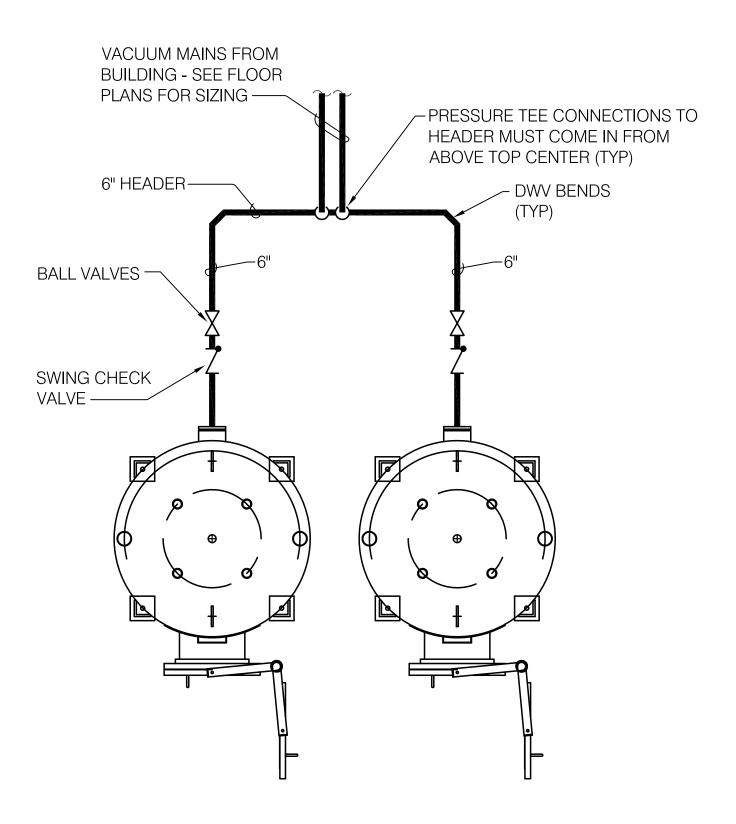




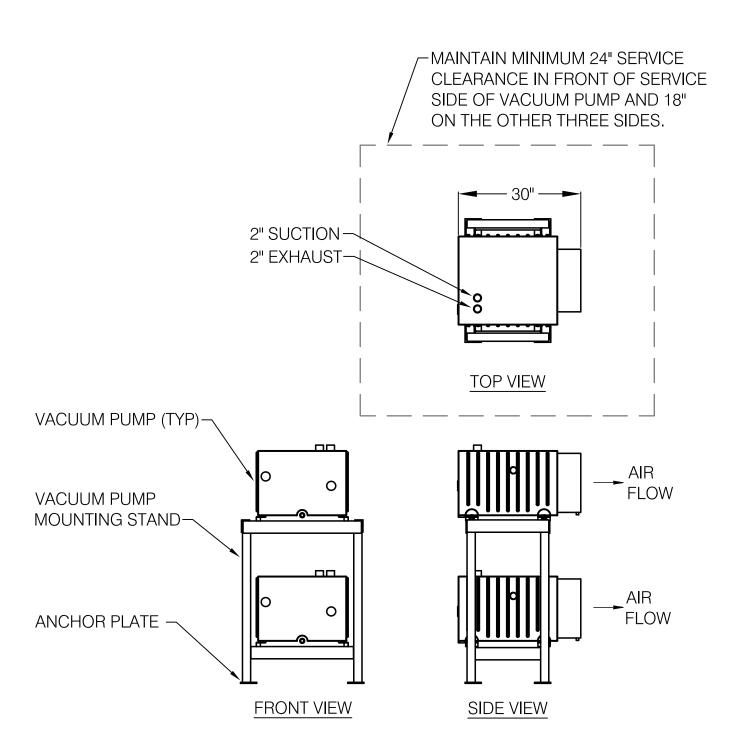




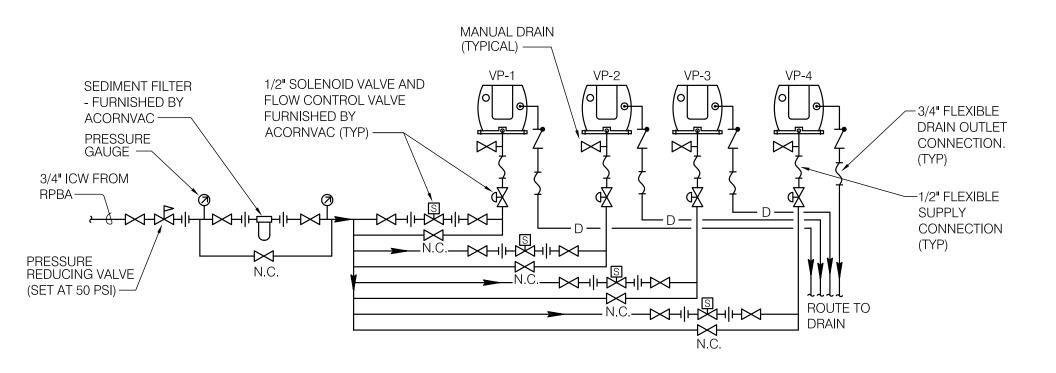
VACUUM WASTE COLLECTION TANK HW CONNECTION DIAGRAM



VACUUM WASTE COLLECTION TANK INLET CONNECTION DIAGRAM



VACUUM WASTE PUMP ASSEMBLY
SCALE: NTS



VACUUM WASTE PUMP WATER SUPPLY CONNECTION DIAGRAM
SCALE: NTS

PLUMBING PIP SYMBOL	ABBREV.	DESCRIPTION				
STIMBOL	— W	DESCRIPTION WASTE (ABOVE GRADE OR FLOOR)				
	- W	WASTE (BELOW GRADE OR FLOOR)				
	· – SS					
		SANITARY SEWER, BY OTHERS, SEE CIVIL DRAWING				
—— GW ——		GREASE WASTE (ABOVE GRADE OR FLOOR)				
GW		GREASE WASTE (BELOW GRADE OR FLOOR)				
PW		PUMPED WASTE (ABOVE GRADE OR FLOOR)				
PW		PUMPED WASTE (BELOW GRADE OR FLOOR)				
—— SD ——	-	STORM DRAIN (ABOVE GRADE OR FLOOR)				
SD		STORM DRAIN (BELOW GRADE OR FLOOR)				
—— OD ——		OVERFLOW DRAIN (ABOVE GRADE OR FLOOR)				
OD	OD	OVERFLOW DRAIN (BELOW GRADE OR FLOOR)				
D	<u> </u> D	DRAIN (CONDENSATE/INDIRECT)				
	V	VENT				
	— CW	COLD WATER				
	— HW	HOT WATER				
	 RHW	RECIRCULATING HOT WATER				
TW	— TW	TEMPERED WATER				
NP	— NP	NON POTABLE COLD WATER				
——NP HW——	— NP HW	NON POTABLE HOT WATER				
—— MPG(5) ——	— MPG(5)	NATURAL GAS - MED. PRESSURE (TEMP. 5 PSIG)				
—— MPG(2) ——	— MPG(2)	NATURAL GAS - MED. PRESSURE (2 PSIG)				
—— G ——	<u> </u> G	NATURAL GAS - LOW PRESSURE (UNDER 1 PSIG)				
GV	GV	GAS VENT				
LV	LV	LOCAL VENT				
—— PSD ———	— PSD	PUMPED STORM DRAIN (ABOVE GRADE OR FLOOR				
PSD	PSD	PUMPED STORM DRAIN (BELOW GRADE OR FLOOF				
HTW	— HTW	140° HOT WATER				
RHTW	RHTW	140° RECIRCULATING HOT WATER				
RTW —	— RTW	RECIRCULATING TEMPERED WATER				
LP	— LP	LOW PRESSURE COLD WATER				
LP	— LP	LOW PRESSURE HOT WATER				
LP —	— LP	LOW PRESSURE RECIRCULATING HOT WATER				
HP	— HP	HIGH PRESSURE COLD WATER				
HP	— НР	HIGH PRESSURE HOT WATER				
HP	— HP	HIGH PRESSURE RECIRCULATING HOT WATER				
DWS	— DWS	DRINKING WATER SUPPLY (CHILLED)				
—— DWR ———	— DWR	DRINKING WATER RETURN (CHILLED)				
IW	— IW	ICE WATER				
ww	WW	WELL WATER				
ICW	— ICW	INDUSTRIAL COLD WATER				
—— PT ——	— РТ	PNEUMATIC TUBE				
IGW	— IGW	LIQUID GREASE WASTE				

PLUMBING SYMBOLS:						
PREFERRED SYMBOL	DESCRIPTION					
ТВ	THRUST BLOCK					
	CLEANOUT					
——————————————————————————————————————	CO WALL CLEANOUT					
FC	O FLOOR CLEANOUT					
CT0	G CLEANOUT TO GRADE					
 FD	FLOOR DRAIN					
 FS	FLOOR SINK					
⊕ RD	ROOF DRAIN					
OD	OVERFLOW DRAIN					
 TD	TRENCH DRAIN					

MISCELLANEOUS FITTINGS AND SYMBOLS: **DESCRIPTION SYMBOL** DIRECTION OF FLOW **DIRECTION OF SLOPE** PIPE SLEEVE REDUCER **ANCHOR** ELBOW (90°) ELBOW (90°) TEE **CROSS** PIPING CONNECTIONS JOINT OR COUPLING POINT UNION FLANGED CONNECTION CAP PLUG OR BLIND FLANGE **RISER ELBOW UP ELBOW DOWN** TEE UP TEE DOWN HORIZONTAL TEE $-\infty$ FLEXIBLE CONNECTION **BALL JOINT ₽**MC MECHANICAL COUPLING

STANDARD PLUMBING ABBREVIATIONS: **AIRFOIL** INVERT ELEVATION AFF ABOVE FINISHED FLOOR INI INCH(ES) AHP APPARATUS HOUSING PLENUM **INSUL** INSULATION ALT **ALTERNATIVE** ISOL ISOLAT(OR)(ION) ΑI ALUMINUM **KILOWATT** ΚW AIR PRESSURE DROP APD **KWH** KILOWATT HOUR APPROX **APPROXIMATELY** LENGTH **ARCH** ARCHITECT(URAL) LAT LEAVING AIR TEMP **AUTO AUTOMATIC POUND** LB BDD BACKDRAFT DAMPER LEAVING DRY BULB LDB ΒI **BACKWARD INCLINED** ΙF LINEAR FEET **BLDG** BUILDING LFT LEAVING FLUID TEMPERATURE **BSMT** BASEMENT LVG LEAVING BTU BRITISH THERMAL UNIT LWB LEAVING WET BULB **BTUH** BRITISH THERMAL UNITS PER LEAVING WATER TEMPERATURE LWT HOUR CFH **CUBIC FEET PER HOUR** MAX **MAXIMUM** CUBIC FEET PER MINUTE CEM MBH THOUSAND BTU PER HOUR **CFS** CUBIC FEET PER SECOND **MECH MECHANICAL** CLG CEILING OR COOLING MANUFACTURER MFR CONC CONCRETE MIN MINIMUM CONN CONNECT(ION) **MISCELLANEOUS** MISC CONT CONTINUE(ED)(UATION) MTD MOUNTED CL CENTERLINE NC NORMALLY CLOSED DIRECT DIGITAL CONTROL DDC NIC NOT IN CONTRACT DEFL **DEFLECTION** NO NORMALLY OPEN DN DOWN OAD **OUTSIDE AIR DAMPER DEW POINT** DP OC ON CENTER DISTANCE DOUBLE WIDTH DOUBLE INLET DWDI OSA OUTSIDE AIR DWG **DRAWING** РΗ PHASE EXHAUST AIR PP **POLYPROPYLENE** EΑ EAD EXHAUST AIR DAMPER POUNDS PER SQUARE INCH PSI ENTERING AIR TEMPERATURE PVC POLYVINYL CHLORIDE FAT EDB **ENTERING DRY BULB PVC COATED STEEL PVS EFF EFFICIENCY** R (RAD) **RADIUS EFT** ENTERING FLUID TEMPERATURE RA RETURN AIR ELECTRIC(AL) RETURN AIR DAMPER FLFC RAD **ELEV ELEVATION** REV REVISION **ENGINEER** RELATIVE HUMIDITY **ENGR** RH EQ **EQUAL RPM REVOLUTIONS PER MINUTE EQUIP EQUIPMENT** SA SUPPLY AIR **ESP** EXTERNAL STATIC PRESSURE **SCFM** STANDARD CUBIC FEET PER MINUTE **EWB ENTERING WET BULB** SMOKE DAMPER SD **EWT** ENTERING WATER TEMPERATURE **SECT** SECTION ΕX **EXTRACTOR SENS** SENSIBLE EXH **EXHAUST** SIM SIMILAR STATIC PRESSURE **EXIST EXISTING** SP **SPECIFICATION** FXP **EXPANSION SPEC DEGREES FAHRENHEIT** SQ **SQUARE** SQUARE FOOT(FEET) FC FORWARD CURVED SE FIG **FIGURE** SQ IN SQUARE INCH(ES) STAINLESS STEEL **FILTER** FILT SS **FLEX FLEXIBLE** STL STEEL STRUCTUR(E)(AL) FLUID PRESSURE DROP **STRUCT** FPD FPM FEET PER MINUTE **SWP** SINGLE WALL PLENUM **FPS** FEET PER SECOND SINGLE WIDTH SINGLE INLET SWSI FT FEET/FOOT **TEMP TEMPERATURE** FTR FINNED TUBE RADIATOR TSP TOTAL STATIC PRESSURE FIXTURE UNIT FU TYP **TYPICAL** FUT **FUTURE** V **VOLTS** FV FACE VELOCITY VD **VOLUME DAMPER** GAGE/GAUGE GA **VEL VELOCITY** GAL GALLON **VFRT** VERTICAL **GALV** GALVANIZED VARIABLE FREQUENCY DRIVE VFD GLYCOL VENT THROUGH ROOF GLY VTR **GPH** GALLONS PER HOUR W **WIDTH** GALLONS PER MINUTE **GPM** WG WATER GAUGE **HEIGHT** WPD WATER PRESSURE DROP **HORIZ** HORIZONTAL WTD WATER TEMPERATURE DROP ΗP **HORSEPOWER** WTR WATER TEMPERATURE RISE HTG **HEATING** WITH W/ ID INSIDE(DIAMETER/DIMENSION) W/O WITHOUT

DEMOLITION LEGEND:

<u>SYMBOL</u> <u>DESCRIPTION</u>

NEW AND EXISTING WORK LEGEND:						
SYMBOL	DESCRIPTION					
	EXISTING WASTE (BELOW GRADE OR FLOOR)					
	EXISTING COLD WATER					
	NEW WASTE (BELOW GRADE OR FLOOR)					
	NEW COLD WATER					



MISCELLANEOUS SYMBOLS:

PREFERRED SYMBOL DESCRIPTION

1 KEY NOTE

E EXISTING TO REMAIN

REMOVE EXISTING

© CONNECT TO EXISTING

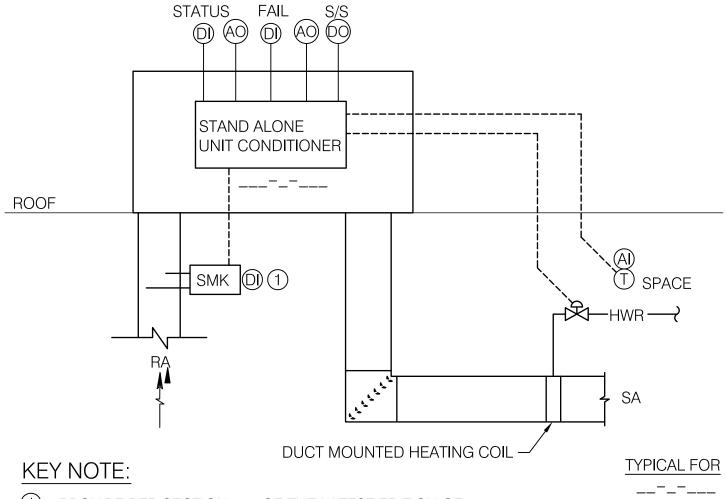
(K) CAP EXISTING / CAP FOR FUTURE

ACCESS PANEL

B RUN IN BEAM SPACE

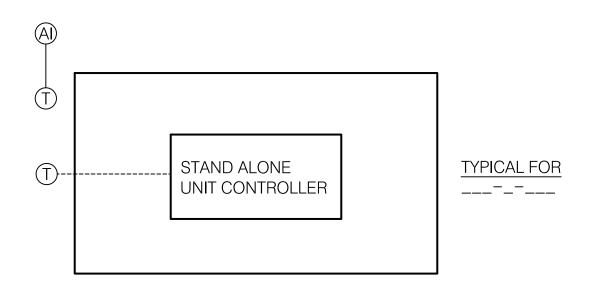
R EXISTING TO BE RELOCATED

(D) ABANDON IN PLACE

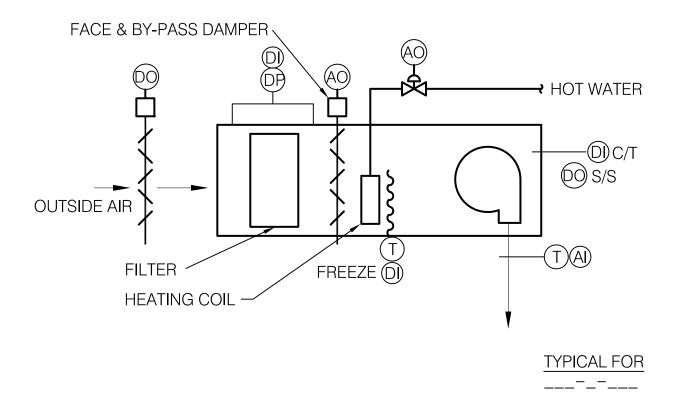


1 PROVIDE PER SECTION 606 OF THE LATEST EDITION OF THE STATE OF OREGON MECHANICAL SPECIALTY CODE.

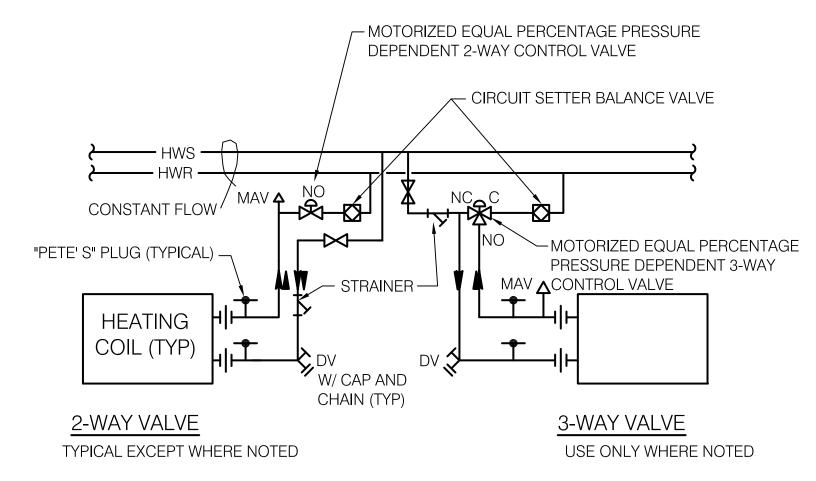
AIR CONDITIONING UNIT - SINGLE ZONE ROOFTOP SCALE: NTS



AIR CONDITIONING UNIT - STANDALONE
SCALE: NTS

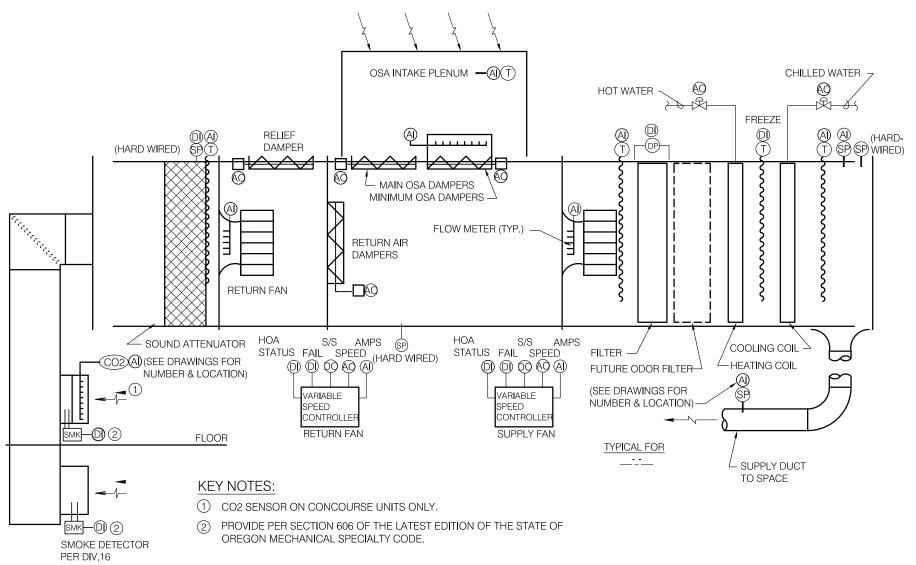


AIR HANDLING UNIT - CONSTANT VOLUME
SCALE: NTS

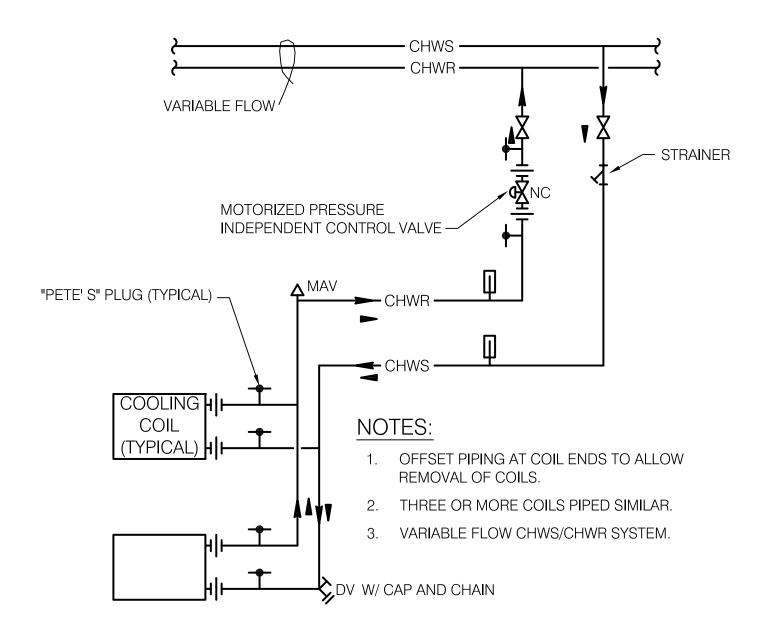


NOTES:

- 1. SEE SECTION 230900 FOR CONTROL VALVE SPECIFICATIONS.
- 2. CONSTANT FLOW SYSTEM.

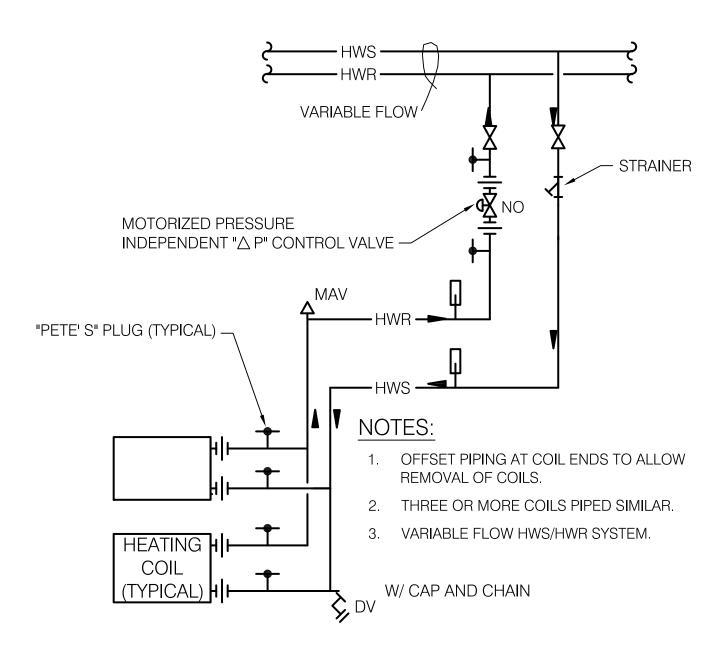


2313 AIR HANDLING UNIT - VARIABLE VOLUME
SCALE: NTS



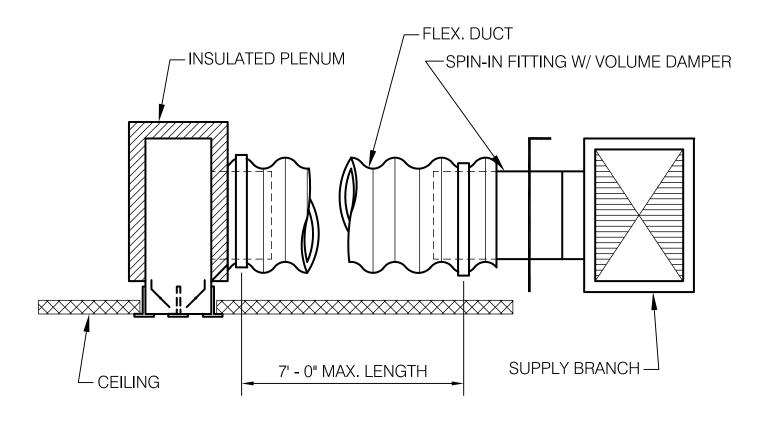
AIR HANDLING UNIT - VARIABLE VOLUME COOLING COIL PIPING

SCALE: NTS

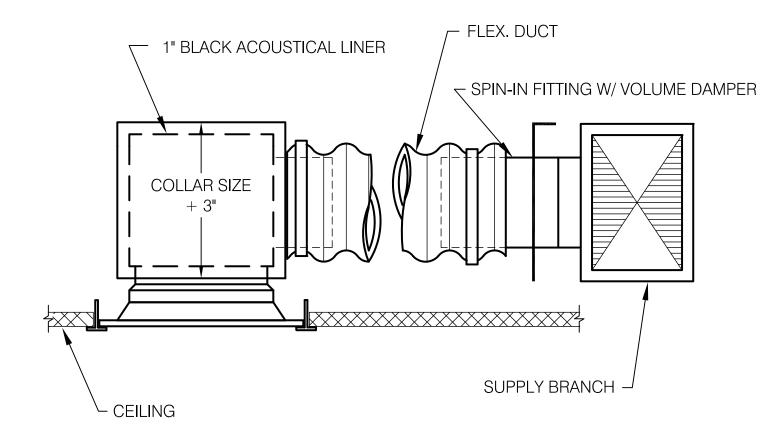


AIR HANDLING UNIT - VARIABLE VOLUME HEATING COIL PIPING

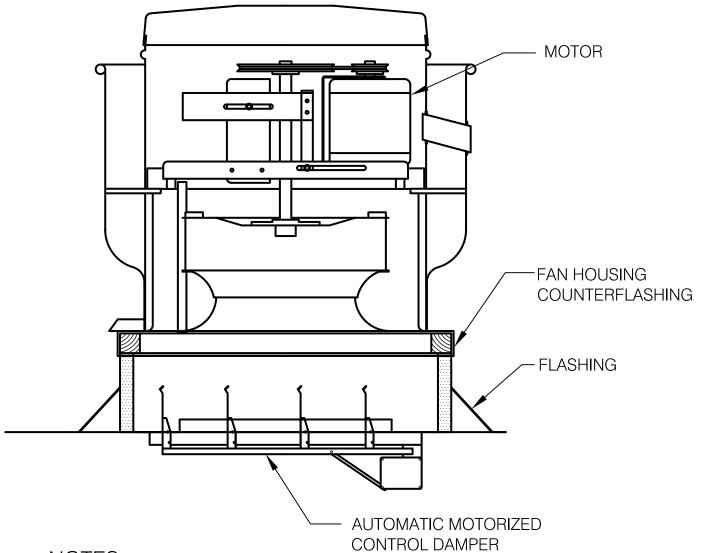
SCALE: NTS



DIFFUSER - SLOT SCALE: NTS



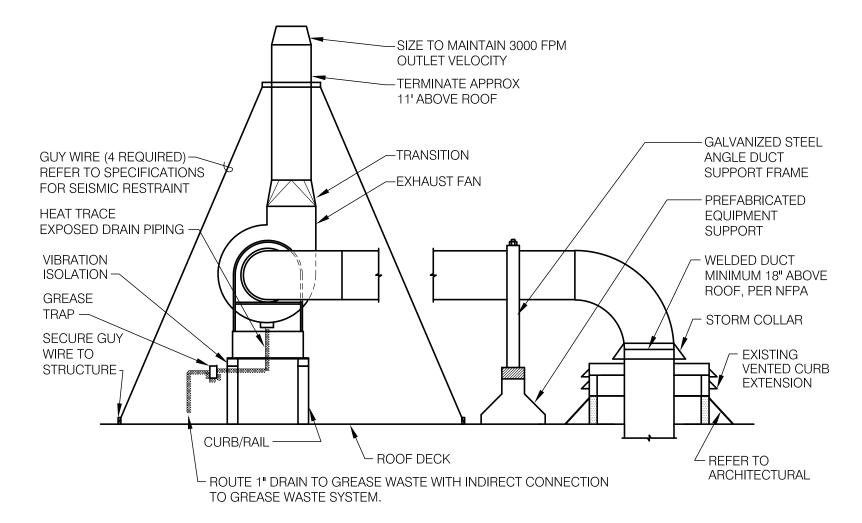
DIFFUSER - TBAR SCALE: NTS



NOTES:

- 1. SEE SPECIFICATIONS FOR VIBRATION ISOLATION AND SEISMIC RESTRAINT.
- 2. REFER TO ROOF DETAILS FOR PENETRATION.

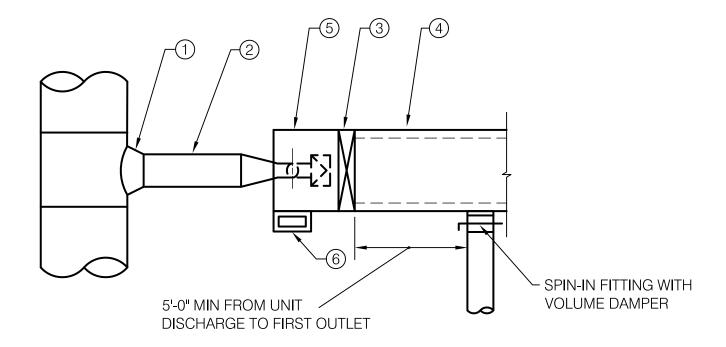




NOTES:

- 1. SEE SPECIFICATIONS FOR VIBRATION ISOLATION AND SEISMIC RESTRAINT.
- 2. PROVIDE THREE DUCT DIAMETERS OF STRAIGHT DUCT (MINIMUM 3') PRIOR TO FAN INLET. SLOPE DUCT TO EXHAUST FAN INLET.
- 3. SUPPORT ROOF MOUNTED DUCTWORK AND EXHAUST STACK PER SPECIFICATION SECTION 233113.
- 4. PROVIDE DISCONNECT AT FAN ON THE ROOF.
- 5. DUCT SUPPORT TO BE PROVIDED BY MECHANICAL CONTRACTOR.

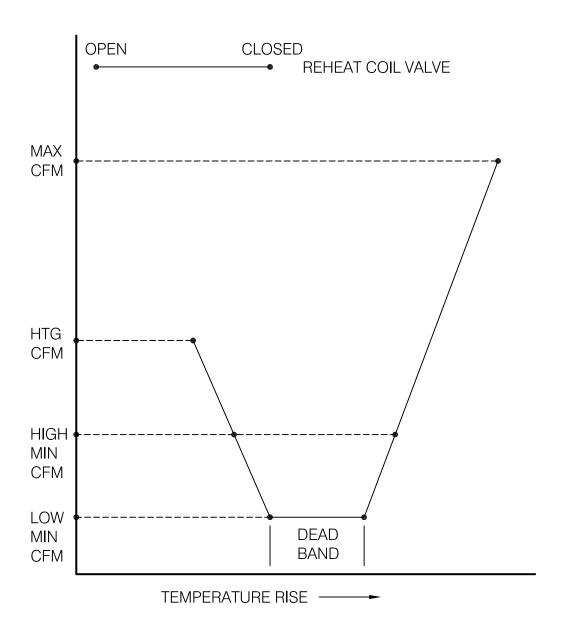




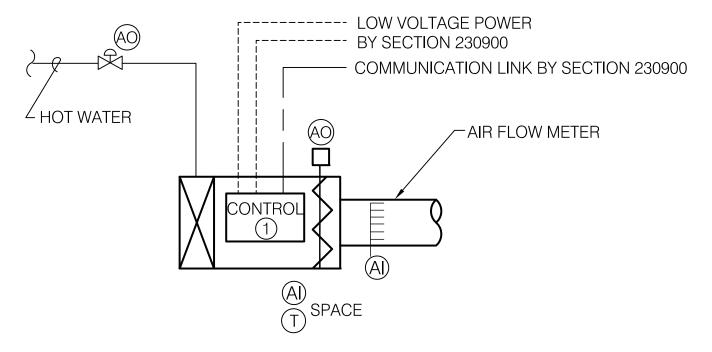
KEY NOTES:

- (1) CONICAL TAP AT LO-LOSS FITTING, AS SHOWN ON FLOOR PLANS.
- (2) INLET DUCT MINIMUM LENGTH = 3'-0" OR 3X INLET DIAMETER; WHICHEVER IS LARGER. IF UNDER 10'-0" IN LENGTH, DUCT SIZE TO BE SAME SIZE AS TERMINAL UNIT INLET. IF LENGTH IS 10'-0" OR OVER, DUCT SIZE TO BE AS SHOWN ON PLAN.
- (3) HEATING COIL WHERE INDICATED. SEE PLANS FOR COIL CONNECTION ORIENTATION.
- 4 DISCHARGE DUCT TO BE 1" LINED SHEET METAL, MINIMUM 5'-0" LONG, SAME SIZE AS TERMINAL UNIT OUTLET, OR AS SHOWN ON PLAN, WHICHEVER IS LARGER. PROVIDE SOUND LINING AND SOUND TRAP AS INDICATED IN DRAWINGS AND SPECIFICATIONS.
- 5 TERMINAL UNIT.
- 6 ACTUATOR CONTROLLER, MOUNT CONTROLLER IN NEMA 1 ENCLOSURE.





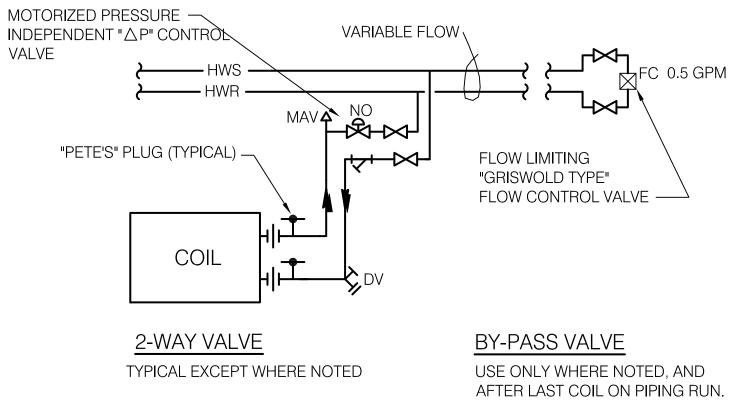
TERMINAL UNIT - SEQUENCE OF OPERATION SCALE: NTS



KEY NOTE:

1 CONTROLLER MOUNTED IN NEMA 1 ENCLOSURE SUITABLE FOR AIR PLENUM APPLICATIONS.

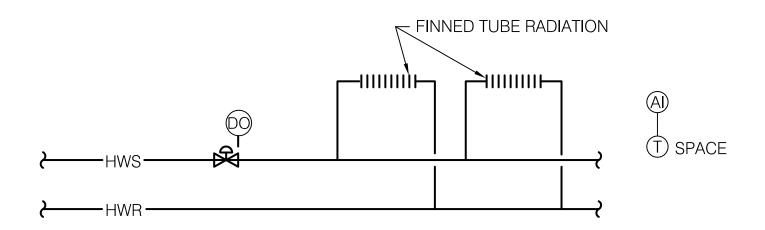
TERMINAL UNIT - VARIABLE VOLUME HEATING COIL SCALE: NTS

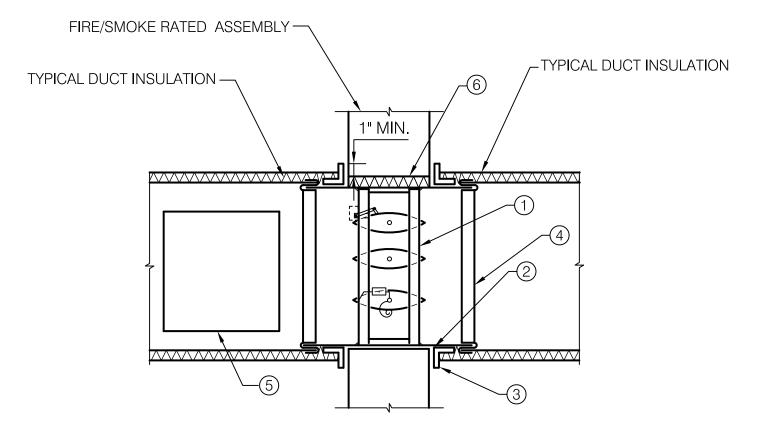


NOTES:

- 1. TYPICAL OF REHEAT COILS.
- 2. VARIABLE FLOW HWS/HWR SYSTEM.
- 3. CABINET UNIT HEATERS, UNIT HEATERS, AND FIN TUBE RADIATION, USE TWO POSITION MOTORIZED VALVES WITH FLOW LIMITING GRISWOLD TYPE FLOW CONTROL VALVE.

TERMINAL UNIT - VARIABLE VOLUME REHEAT COIL PIPING SCALE: NTS





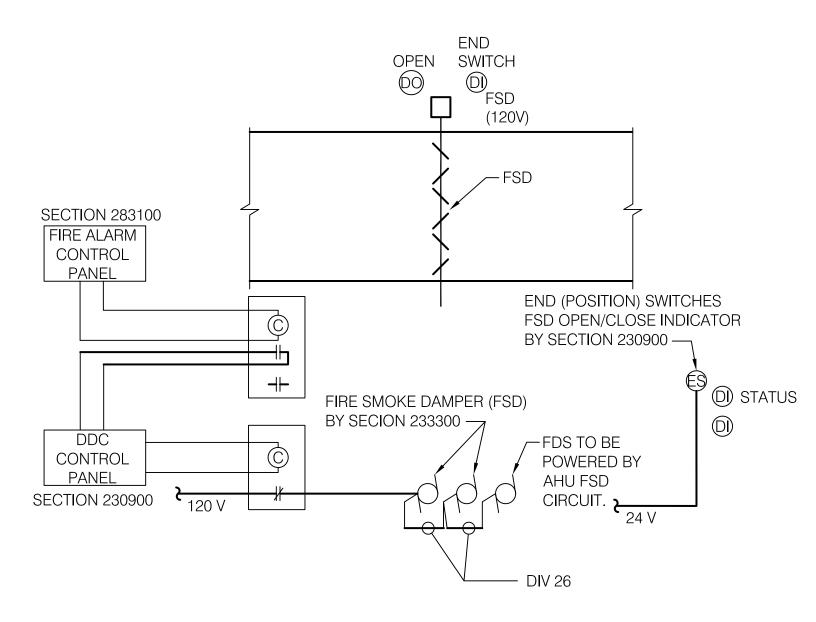
KEY NOTES:

- (1) COMBINATION FIRE AND SMOKE DAMPER (VERTICAL RETURN/ EXHAUST TYPE SHOWN, HORIZONTAL & SUPPLY SIMILAR).
- (2) GALVANIZED STEEL SLEEVE-GAUGE NOT LESS THAN CONNECTING DUCT. FASTEN TO DAMPER FRAME AND PERIMETER ANGLES. BETWEEN DAMPER FRAME & SLEEVE.
- (3) CAULK PERIMETER ANGLES-14 GA. GALVANIZED STEEL, 1-1/2" x 1-1/2" MIN. TO PROVIDE 1" MIN. OVERLAP OF OPENING ON ALL 4 SIDES. DO NOT FASTEN TO PARTITION.
- (4) AIR TIGHT, BREAKAWAY DUCT CONNECTION.
- (5) ACCESS PANEL-SIZE & LOCATION TO PERMIT SERVICING FUSIBLE ROD AND LINK.
- PROVIDE 1/4" TO 1/2" CLEARANCE ON HEIGHT & WIDTH, OR AS SPECIFIED BY DAMPER MANUFACTURER. FILL OPENING WITH FIRESTOP MATERIAL.

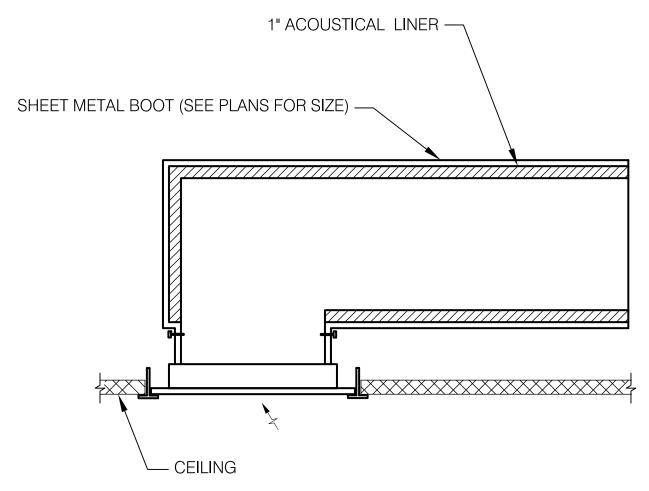
NOTE:

1. REFER TO FIRE ALARM FOR DETECTOR.





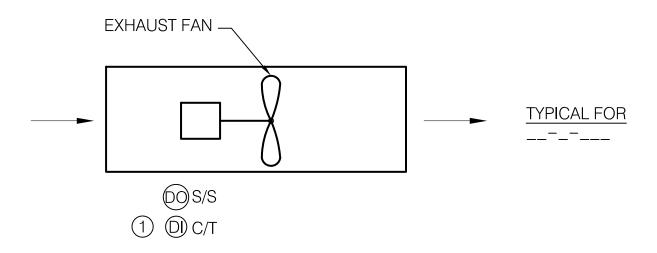
FIRE SMOKE DAMPER CONTROL
SCALE: NTS



NOTE:

1. SHEET METAL BOOT LENGTH TO BE SUFFICIENT TO ELIMINATE LINE OF SIGHT FROM DIFFUSER TO END OF BOOT.





KEY NOTE:

1 PROVIDE CURRENT TRANSFORMER IN FAN POWER CIRCUIT TO MONITOR OPERATION OF EXHAUST AT ANY POINT IN TIME. ADD EXHAUST AIR CFM (A VARIABLE) TO DDC EQUATION USED TO CONTROL RETURN AIR CFM TO AIR HANDLING UNIT SERVING AREA IN WHICH EXHAUST FAN IS LOCATED. OBTAIN ACTUAL EXHAUST FAN CFM VALUE FROM THE AIR BALANCER.



CONTROL SYMBOLS:

SYMBOL DESCRIPTION

DAMPER WITH OPERATOR

2-WAY PRESSURE INDEPENDENT CONTROL VALVE

(UNLESS INDICATED OTHERWISE)

3-WAY CONTROL VALVE

DIGITAL OUTPUT FROM DDC PANEL

DIGITAL INPUT TO DDC PANEL

(A) ANALOG OUTPUT FROM DDC PANEL

(A) ANALOG INPUT TO DDC PANEL

DP DIFFERENTIAL PRESSURE SWITCH

VP VELOCITY PRESSURE TRANSMITTER

ES DAMPER END SWITCH

AIR MONITORING STATION

VPP VELOCITY PRESSURE PROBE

DUCT SMOKE DETECTOR

WATER FLOW METER WITH ELECTRONIC TRANSMITTER

PUSH BUTTON SWITCH

DIFFERENTIAL PRESSURE SENSOR/TRANSMITTER

(H) ELECTRONIC HUMIDITY TRANSMITTER

HIL DUCT MOUNTED HIGH LIMIT HUMIDISTAT

—(T) ELECTRONIC TEMPERATURE SENSOR

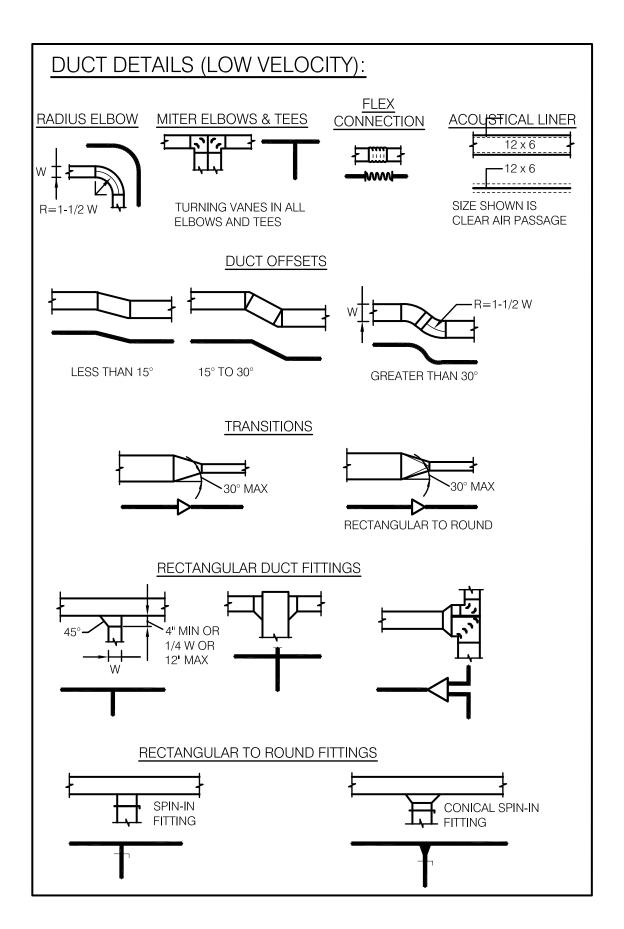
—(FS) FLOW SWITCH

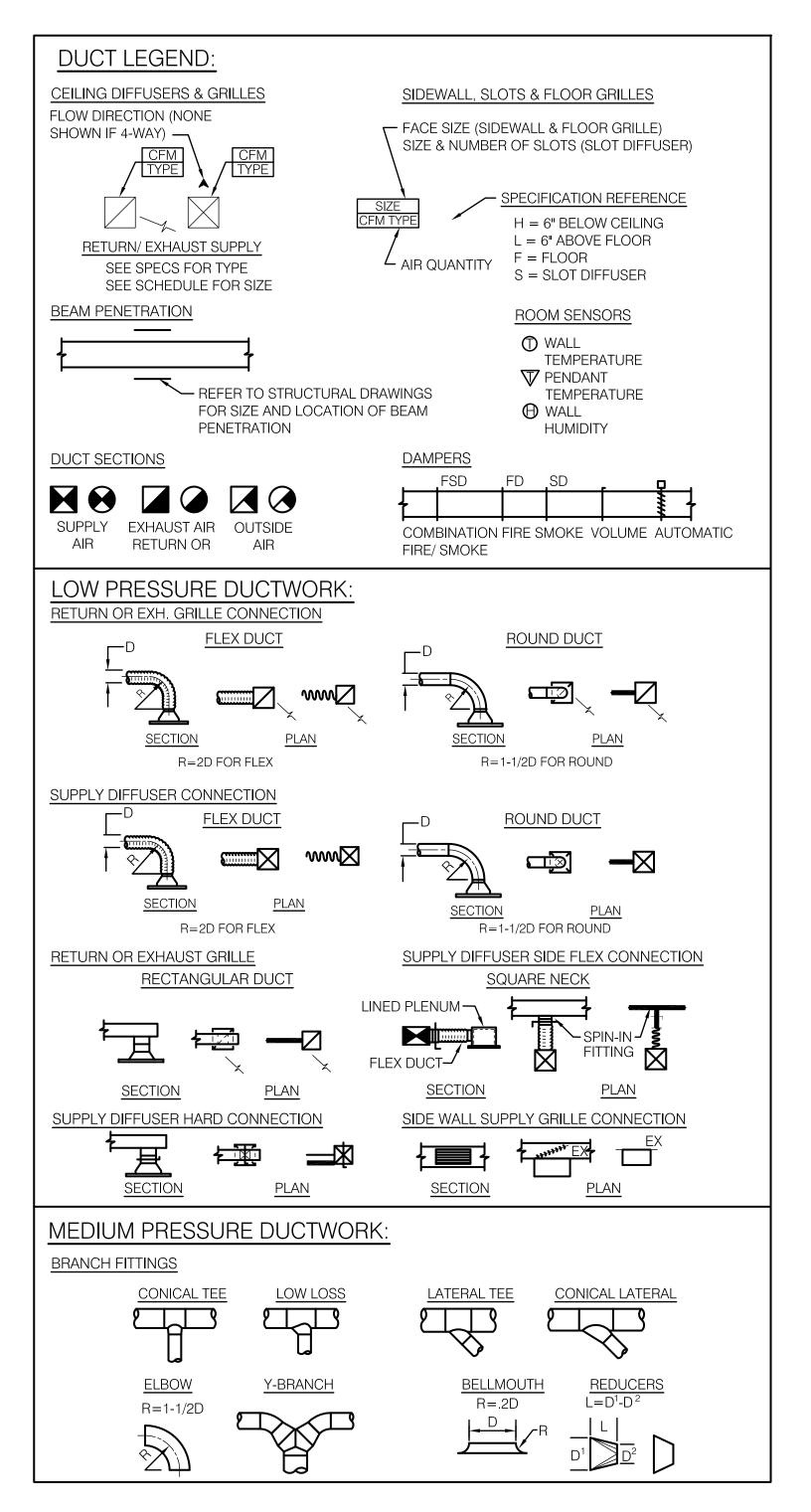
 \sim (T) ELECTRONIC SENSOR WITH AVERAGING

(P) DUCT STATIC PRESSURE SENSOR/TRANSMITTER

CO2 CARBON DIOXIDE SENSOR

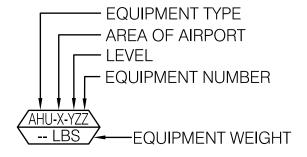
PRESSURE TRANSMITTER





EQUIPMENT LEGEND:

EQUIPMENT



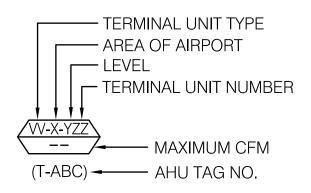
AREA OF AIRPORT

A CONCOURSE A
B CONCOURSE B
C CONCOURSE C
CONCOURSE D
CONCOURSE E
T TERMINAL

LEVEL

1 DEPLANING LEVEL
2 ENPLANING LEVEL
3 MEZZANINE LEVEL/ROOF
4 PENTHOUSE/ROOF
5 ROOF

TERMINAL UNITS



BOX TYPE SPECIFICATION REFERENCE

DDDUAL DUCTVVVARIABLE VOLUMEVVRVARIABLE VOLUME REHEATCVCONSTANT VOLUME

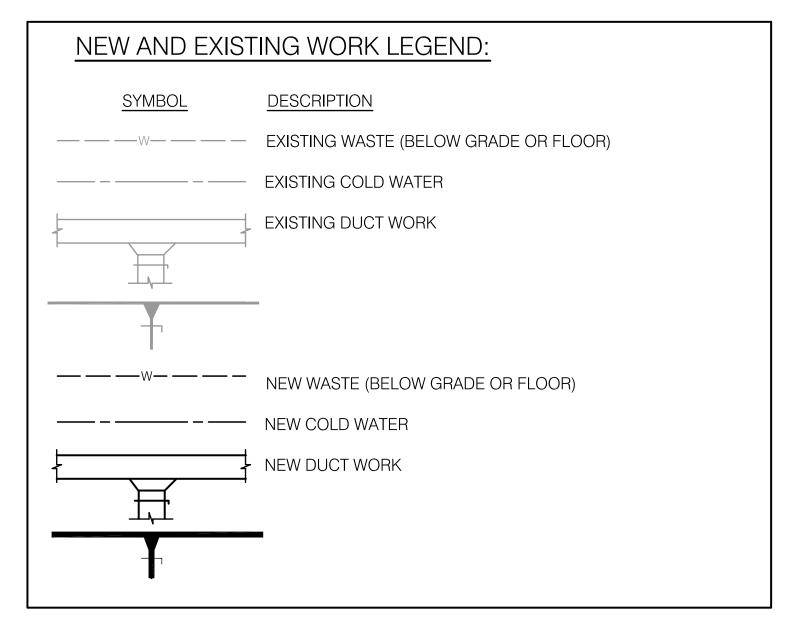
CVR CONSTANT VOLUME REHEAT FPC FAN POWERED CONSTANT FPV FAN POWERED VARIABLE FPD FAN POWERED DUAL DUCT

HVAC PIPING:		
<u>SYMBOL</u>	ABBREV.	DESCRIPTION
——————————————————————————————————————	LP	SLOW PRESSURE STEAM
LPR	LPR	LOW PRESSURE RETURN
——— MPS ———	MPS	MEDIUM PRESSURE STEAM
MPR	MPR	MEDIUM PRESSURE RETURN
	HPS	HIGH PRESSURE STEAM
	HPR	HIGH PRESSURE RETURN
D	D	DRAIN (CONDENSATE/INDIRECT)
———— PC ———	PC	PUMPED CONDENSATE
sv	SV	STEAM VENT
——— OFL ———	OFL	OVERFLOW
ICW	ICW	INDUSTRIAL COLD WATER (MAKE-UP)
CHWS	CHWS	CHILLED WATER SUPPLY
CHWR	CHWR	CHILLED WATER RETURN
	HWS	HEATING WATER SUPPLY
	HWR	HEATING WATER RETURN
——————————————————————————————————————	HTWS	HIGH TEMP. HOT WATER SUPPLY
	HTWR	HIGH TEMP. HOT WATER RETURN
	RS	REFRIGERANT SUCTION
	RL	REFRIGERANT LIQUID
	RHG	REFRIGERANT HOT GAS
— — — RRV — — —	RRV	REFRIGERANT RELIEF VENT

STANDARD MECHANICAL ABBREVIATIONS: **AIRFOIL** INSIDE(DIAMETER/DIMENSION) AFF ABOVE FINISHED FLOOR INVERT ELEVATION IN INCH(ES) ΙE AHP APPARATUS HOUSING PLENUM INSUL INSULATION ALT ALTERNATIVE **ISOL** ISOLAT(OR)(ION) ΑL ALUMINUM **KILOWATT** ΚW APD AIR PRESSURE DROP **KWH** KILOWATT HOUR L LENGTH APPROX **APPROXIMATELY** LEAVING AIR TEMPERATURE LAT ARCH ARCHITECT(URAL) LB **POUND** AUTO **AUTOMATIC** LEAVING DRY BULB LDB BACKDRAFT DAMPER BDD LF LINEAR FEET ΒI **BACKWARD INCLINED** LFT LEAVING FLUID TEMPERATURE **BLDG** BUILDING LVG **LEAVING BSMT BASEMENT** LWB LEAVING WET BULB BRITISH THERMAL UNIT BTU LEAVING WATER TEMPERATURE I WT BTUH BRITISH THERMAL UNITS PER HOUR MAX MAXIMUM CUBIC FEET PER HOUR THOUSAND BTU PER HOUR CFH MRH CFM **CUBIC FEET PER MINUTE MECH MECHANICAL CFS** CUBIC FEET PER SECOND MANUFACTURER MFR CLG CEILING OR COOLING MIN MINIMUM CONC CONCRETE MISC **MISCELLANEOUS** CONNECT(ION) CONN MTD MOUNTED CONT CONTINUE(ED)(UATION) NC NORMALLY CLOSED CL CENTERLINE NIC NOT IN CONTRACT DIRECT DIGITAL CONTROL DDC NIM NOT IN MECHANICAL **DEFL** DEFLECTION NO NORMALLY OPEN DOWN DΝ OAD **OUTSIDE AIR DAMPER** DIA DIAMETER OC ON CENTER DISTANCE DP **DEW POINT OUTSIDE AIR** OSA DTA DRIP TRAP ASSEMBLY OVOVAL DWDI DOUBLE WIDTH DOUBLE INLET PΗ **PHASE** DWG PΡ POLYPROPYLENE DRAWING EΑ EXHAUST AIR PSI POUNDS PER SQUARE INCH EAD EXHAUST AIR DAMPER PVC POLYVINYL CHLORIDE EAT ENTERING AIR TEMPERATURE **PVS** PVC COATED STEEL **EDB ENTERING DRY BULB** R (RAD) **RADIUS EFFICIENCY EFF** RA RETURN AIR ENTERING FLUID TEMPERATURE RAD **EFT** RETURN AIR DAMPER FLEC ELECTRIC(AL) REV REVISION RELATIVE HUMIDITY **ELEV ELEVATION** RH RPM **ENGR ENGINEER** REVOLUTIONS PER MINUTE **EQUAL** SUPPLY AIR EQ SA **EQUIP EQUIPMENT SCFM** STANDARD CUBIC FEET PER **ESP** EXTERNAL STATIC PRESSURE **MINUTE FWB** ENTERING WET BUILD SD SMOKE DAMPER **EWT** ENTERING WATER TEMPERATURE **SECT** SECTION **EXTRACTOR SENS SENSIBLE** FΧ EXH **EXHAUST** SIM **SIMILAR EXIST** EXISTING EXP EXPANSION SP STATIC PRESSURE **SPEC** DEGREES FAHRENHEIT **SPECIFICATION** FC FORWARD CURVED SQ **SQUARE** SQUARE FOOT(FEET) **FIGURE** FIG SF **FILT** FILTER SQ IN SQUARE INCH(ES) FLEX FI FXIBLE STAINLESS STEEL SS **FPD** FLUID PRESSURE DROP STL STEEL FPM FEET PER MINUTE STRUCT STRUCTUR(E)(AL) **FPS** FEET PER SECOND SWP SINGLE WALL PLENUM FEET/FOOT SWSI SINGLE WIDTH SINGLE INLET FT FU FIXTURE UNIT **TEMP TEMPERATURE FUT FUTURE TSP** TOTAL STATIC PRESSURE FACE VELOCITY FV TYP **TYPICAL** GΑ GAGE/GAUGE V VOLTS GAL **GALLON** VD **VOLUME DAMPER** GALVANIZED **GALV VEL VELOCITY GLYCOL** GLY **VERT VERTICAL GPH GALLONS PER HOUR** VTR VENT THROUGH ROOF **GALLONS PER MINUTE GPM** W WIDTH **HEIGHT** WG WATER GAUGE HORIZ HOR**I**ZONTAL WPD WATER PRESSURE DROP ΗP **HORSEPOWER** W/ WITH HTG **HEATING** W/O WITHOUT

MISCELLANEOUS HVAC VALVES AND COCKS: SYMBOL **DESCRIPTION** \bowtie SHUT-OFF VALVE **GLOBE VALVE** W ₩^S SHUT-OFF VALVE W/ TAMPER SWITCH W TRIPLE DUTY VALVE CHECK VALVE ⇗ 2-WAY PRESSURE INDEPENDENT CONTROL VALVE (UNLESS INDICATED OTHERWISE) 壕 3-WAY CONTROL VALVE BALANCING VALVE **⊠**FC FLOW CONTROL VALVE Ø SOLENOID VALVE AAV AAV MANUAL AIR VENT / AUTOMATIC AIR VENT 匃 RELIEF VALVE STRAINER STRAINER W/ BLOWDOWN **S**, dv DRAIN VALVE Ç,HB. HOSE BIBB S WH WALL HYDRANT -G GH **GROUND HYDRANT** PRESSURE GAUGE PRESSURE/TEMPERATURE TEST PLUG THERMOMETER 臣 FLOW SWITCH T TEMPERATURE TRANSMITTER S (SIZE) SHOCK ARRESTOR V VACUUM BREAKER WATER FLOW METER RPBP REDUCED PRESSURE BACKFLOW PREVENTER DDCA DETECTOR DOUBLE CHECK ASSEMBLY ⊗ UG UNDERGROUND GATE VALVE W/BOX Ø PIV **OUTSIDE SCREW & YOKE**

DEMOLITION LEGEND: SYMBOL DESCRIPTION REMOVE EXISTING DUCT The state of the state





DESIGN CONDITIONS - PORTLAND, OR							
SPACE	WIN	TER	SUMMER				
	TEMPERATURE	HUMIDITY	TEMPERATURE	HUMIDITY			
OUTDOOR	25.2F DB	9.6F DP / 9.0 HR / 29.8F MCDB	91.4F DB / 67.3F MCWB	63.2F DP / 87.0 HR / 75.1F MCDB			
INDOOR	70F ± 2F DB	50% RH MAX, NO MINIMUM	75F ± 2F DB	50% RH MAX, NO MINIMUM			

NOTE: 1. OUTDOOR CONDITIONS BASED ON ASHRAE FUNDAMENTALS 2013 99.6% AND 0.4% DATA.

PDX DESIGN CONDITIONS SCHEDULE 2381) SCALE: NTS

TERMINAL UNIT SCHEDULE												
				PRIMARY AIR				HYDRONIC COIL				
TAG				INLET	MAX	HEATING	MIN	LOW MIN			MANUFACTURER &	
NUMBER	LOCATION	SERVICE	TYPE	(IN)	CFM	CFM	CFM	CFM	MBH	GPM	MODEL	NOTES
VVR-X-2XX	XXX	XXX	VVR	XX	XXXX	XXX	XXX	XXX	XX.X	X.X	XXX	\otimes
VVR-X-2XX	XXX	XXX	VVR	XX	XXXX	XXX	XXX	XXX	XX.X	X.X	XXX	\otimes
VVR-X-2XX	XXX	XXX	VVR	XX	XXXX	XXX	XXX	XXX	XX.X	X.X	XXX	\otimes
VVR-X-XXX	XXX	XXX	VVR	XX	XXXX	XXX	XXX	XXX	XX.X	X.X	XXX	\otimes
VVR-X-XXX	XXX	XXX	VVR	XX	XXXX	XXX	XXX	XXX	XX.X	X.X	XXX	\otimes

NOTES:

- 1. PRIMARY AIR TEMPERATURE 55°F (SUMMER), 65°F (WINTER). NOTE: CONCOURSE E EXTENSION PRIMARY SUPPLY AIR TEMPERATURE IS 60° F NOMINAL.
- 2. AIR PRESSURE DROP THROUGH TERMINAL UNIT TO BE NO GREATER THAN 0.25 IN.WG.
- 3. HYDRONIC HEATING COIL SIZED BASED ON 180°F ENTERING WATER TEMPERATURE AND 140°F LEAVING WATER TEMPERATURE.
- 4. HEATING COIL SIZED BASED ON A MINIMUM 75°F LEAVING AIR TEMPERATURE AT 55°F ENTERING AIR TEMPERATURE.

KEY NOTES:

- (1)CO2 SENSOR LOCATED ADJACENT TO THERMOSTAT.
- (2)OCCUPANCY SENSOR LOCATED WITHIN SPACE.
- (3)2-WAY DELTA P CONTROL VALVE ON REHEAT COIL.
- (4) REBALANCE EXISTING TERMINAL UNIT.

KEY:

- VV = VARIABLE AIR VOLUME TERMINAL UNIT
- VVR = VARIABLE AIR VOLUME TERMINAL UNIT WITH REHEAT COIL
- FPS = FAN POWERED SERIES BOX
- FPP = FAN POWERED PARALLEL BOX

MISCELLANEOUS SYMBOLS:

PREFERRED SYMBOL DESCRIPTION

1 KEY NOTE

E EXISTING TO REMAIN

REMOVE EXISTING

© CONNECT TO EXISTING

(K) CAP EXISTING / CAP FOR FUTURE

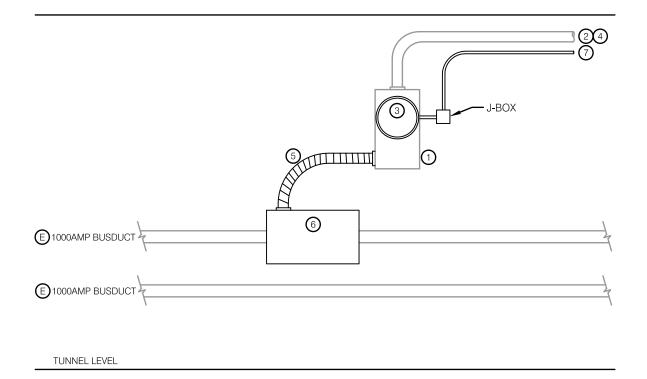
ACCESS PANEL

B RUN IN BEAM SPACE

R EXISTING TO BE RELOCATED

(D) ABANDON IN PLACE

DEPLANING LEVEL



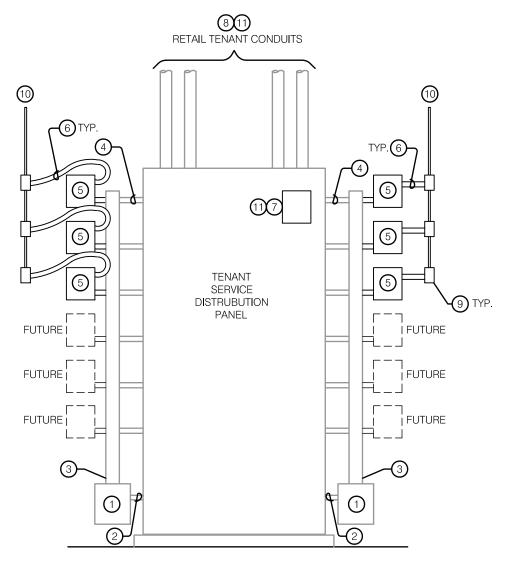
METERING - BUSDUCT SCALE: NTS

NOTES:

- TENANT SHALL COORDINATE WITH THE PORT FOR THE CONNECTION TO THE BUSDUCT AND WHICH BUSDUCT TO USE.
- ITEMS SHOWN AS SCREENED BACK LINES ARE EXISTING.

KEY NOTES:

- 1 EXISTING, METERING SOCKET ENCLOSURE, WALL MOUNTED ABOVE THE EXISTING BUSDUCTS.
- 2 EXISTING, 2" CONDUIT TO RESPECTIVE RETAIL SPACES.
- (3) BY TENANT: PROVIDE METER PER TENANT STANDARDS.
- BY TENANT: PROVIDE CONDUCTOR FROM THE METER ENCLOSURE TO THE LEASE SPACE.
- (5) BY TENANT: PROVIDE SEALTIGHT FLEX CONDUIT AND CONDUCTORS BETWEEN THE METER ENCLOSURE AND BUSPLUG UNIT.
- (6) BY TENANT: PROVIDE BUSDUCT PLUG-IN OVERCURRENT EQUIPMENT.
- BY TENANT: PROVIDE DATA CONDUIT AND 2/C #18 SH CABLE TO TERMINAL REVENUE METERING SYSTEM.



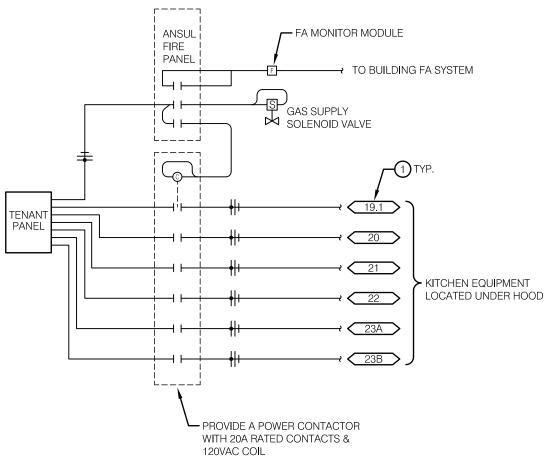
METERING - DISTRIBUTION PANEL SCALE: NTS

NOTES:

- TENANT SHALL COORDINATE WITH THE PORT FOR THE CONNECTION TO THE DISTRIBUTION PANEL, AND WHICH BREAKER LOCATION TO USE.
- ITEMS SHOWN AS SCREENED BACK LINES ARE EXISTING.

KEY NOTES:

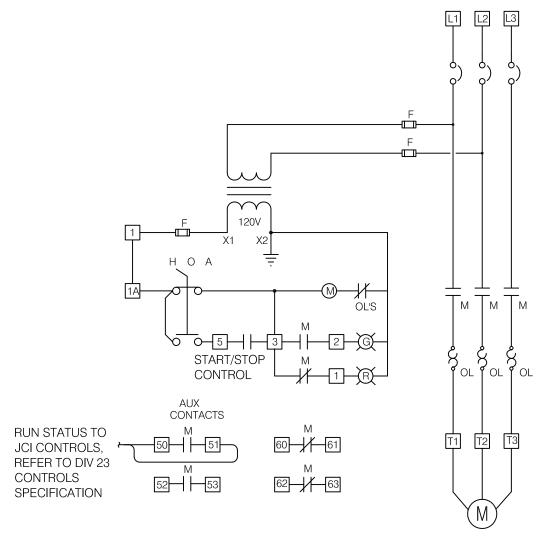
- EXISTING, DIN RAIL WITH FIVE SETS OF 3 PHASE &
 NEUTRAL FUSE BLOCKS AND 1/2 AMP SLOW BLOW
 FUSES, IN NEMA 1 ENCLOSURE. BUSSMANN CH
 SERIES OR EQUAL.
- (2) EXISTING, 3/4" C, 4#12, 1#12G AND CONNECT TO 20/3 BREAKER IN SERVICE PANEL.
- (3) EXISTING, 4x4 GUTTER WITH HINGED COVER.
- (4) EXISTING, 3/4" CONDUIT. CENTER CONDUIT ON EACH 3 POLE SPACE IN SERVICE PANEL AND TERMINATE IN GUTTER FOR FUTURE TENANT METER WIRING.
- (5) BY TENANT: PROVIDE METER, WITH CT'S AND CONNECTIONS TO THE FUSE BLOCK FOR METER POWER.
- (6) BY TENANT: PROVIDE A FLEX CONDUIT CONNECTION TO THE METERING COMPARTMENT.
- 7 TENANT SPACE CIRCUIT BREAKER AND METER SHALL LINE UP HORIZONTALLY, TYPICAL.
- (8) EXISTING, 2" CONDUIT ROUTED TO RESPECTIVE RETAIL SPACES.
- (9) BY TENANT: PROVIDE J-BOX FOR FUTURE METERING SYSTEM CONNECTION POINT.
- (1) BY TENANT: PROVIDE DATA CONDUIT, 2/C #18 SH CABLE AND CONNECTION TO THE TERMINAL REVENUE METERING SYSTEM.
- BY TENANT: PROVIDE CIRCUIT BREAKER, AND SERVICE CONDUCTORS TO LEASE SPACE.



KEY NOTES:

1 MATCH EQUIPMENT ID TAG SHOWN ON THE KITCHEN EQUIPMENT SCHEDULE AND PLANS.

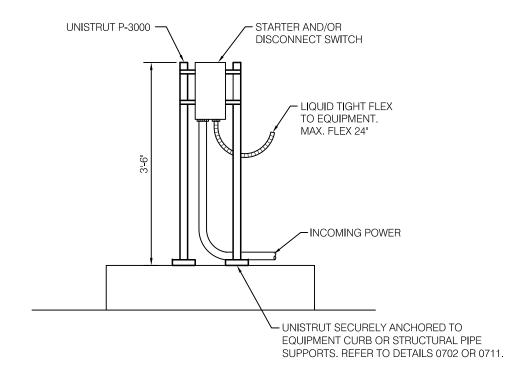
WIRING DIAGRAM - KITCHEN HOOD SHUTDOWN
SCALE: NTS

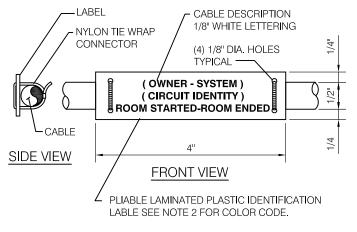


WIRING DIAGRAM - MOTOR STARTER
SCALE: NTS

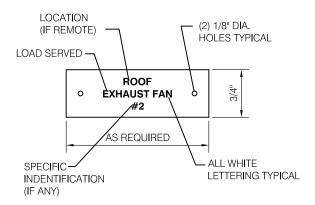
NOTES:

 FOR WALL MOUNTED APPLICATIONS, DO NOT MOUNT THE DISCONNECT OR STARTER DIRECTLY TO THE WALL, PROVIDE A STRUT MOUNTING RACK, SIMILAR TO DETAIL ON THE WALL, AND MOUNT EQUIPMENT ONTO THE STRUT RACK.











DB#000001



NOTES:

- USE LAMINATED LABELS AT ALL INTERIOR AND PROTECTED LOCATIONS. USE PROFESSIONALLY ENGRAVED, WHITE ENAMEL FILLED BRASS LABELS IN ALL AREAS EXPOSED TO WEATHER AND/OR SUNLIGHT, AND IN ENVIRONMENTAL AIR HANDLING SPACES.
- 2. COLOR CODE FOR LABELS SHALL BE AS FOLLOWS:

PORT	BLUE
FAA	YELLOW
AIRLINES	GREEN
TELCO	RED
OTHER TENANTS	BLACK
EMERGENCY	WHITE WITH RED LETTERS

- 3. INSTALL CONDUIT AND INNERDUCT LABELS AT A MAXIMUM SPACING OF 50 FEET AND AT ENTRANCES OF ALL JUNCTION BOXES, DUCT BANKS, DISTRIBUTION PANELS, MOTOR CONTROL CENTERS, PANELBOARDS, ETC. PROVIDE A MINIMUM OF ONE LABEL PER ROOM OR SPACE.
- 4. INSTALL EQUIPMENT LABELS WITH STAINLESS STEEL #4 SCREWS.
- 5. SYSTEM EXAMPLES: POWER, FIRE ALARM, HVAC, COMMUNICATIONS, SIGNAL, TELEPHONE, REVENUE CONTROL.
- 6. LABEL CABLES WITH PREPRINTED LABEL.
 LABELS SHALL BE COMPUTER
 GENERATED WRAPAROUND WITH A
 REFERENCE NUMBER PREFACED WITH
 THE LETTERS DB. AT A MINIMUM, LABEL
 END, AND 3 EVENLY SPACED
 INTERMEDIATE POINTS
- 7. COMPLETE INSTALLATION OF LABELS PRIOR TO CEILING INSTALLATION.

ELECTRICAL MOTORIZED AND HVAC EQUIPMENT SYMBOLS:

PREFERRED SYMBOL DESCRIPTION

xxA ☐ Y SWITCH - DISCONNECT

SWITCH - DISCONNECT FUSED

ENCLOSED CIRCUIT BREAKER

MAGNETIC CONTACTOR

ADJUSTABLE SPEED DRIVE

\$ SWITCH - MOTOR STARTER

MAGNETIC MOTOR STARTER

SWITCH - COMBINATION MAGNETIC STARTER AND

AX DISCONNECT

AUTOMATIC TEMPERATURE CONTROL PANEL

CP EQUIPMENT CONTROL PANEL

® RELAY

■ SWITCH TOGGLE DISCONNECT

SWITCH - THERMAL MOTOR

SCALE: NTS

EQUIPMENT NAMING CONVENTION: POWER CLASSIFICATION: -**BLANK - NORMAL POWER** E - EMERGENCY POWER S - LEGALLY REQUIRED / OPTIONAL STANDBY POWER U - UNINTERRUPTIBLE POWER VOLTAGE: -2 - 208Y/120V 4 - 480Y/277V 5 - 4160Y/2400V 15 - 12470Y/7200V EQUIPMENT: -D - MAIN DISTRIBUTION PANEL S - SUB DISTRIBUTION PANEL B - BUSWAY M - MOTOR CONTROL CENTER A - AUTOMATIC TRANSFER SWITCH P - POWER PANEL L - LIGHTING PANEL T - TRANSFORMER C - CONTROLLER / STARTER U - UNINTERRUPTIBLE POWER SUPPLY LEVEL: -0 - TUNNEL LEVEL 1 - DEPLANING LEVEL 2 - ENPLANING LEVEL 3 - MEZZANINE LEVEL 4 - ROOF CONCOURSE/AREA: -T - TERMINAL A - CONCOURSE A B - CONCOURSE B C - CONCOURSE C D - CONCOURSE D E - CONCOURSE E P - PARKING STRUCTURE U - CENTRAL UTILITY PLANT L - LONG TERM PARKING M - MAINTENANCE FACILITY R - ARFF X - EXIT PLAZA OFFICE GRID LOCATION: -1A - NEAR INTERSECTION OF GRID LINES 1 AND A IDENTIFIER: -A - FIRST IN SERIES OF EQUIPMENT **B - SECOND IN SERIES OF EQUIPMENT**

LIGHTING FIXTURE SYMBOLS: PREFERRED SYMBOL **DESCRIPTION** LUMINAIRE - CIRCLE 0 LUMINAIRE - SQUARE LUMINAIRE - TRIANGLE LUMINAIRE - STRIP FLUORESCENT - STRIP Q SPOTLIGHT - SINGLE HEAD C₽ SPOTLIGHT - DOUBLE HEAD ₩H EXIT LIGHT - WALL $\overline{\mathbf{S}}$ **EXIT LIGHT - SUSPENDED** $\nabla \nabla \nabla$ LIGHT TRACK EMERGENCY REMOTE BATTERY **EMERGENCY BATTERY AND LIGHTS** LUMINAIRE - SINGLE POLE \Box LUMINAIRE - TWIN POLE 9 LUMINAIRE - ROADWAY COBRA HEAD Ø **BOLLARD TYPE** \circ MOUNTED ROUND FIXTURE - SURFACE MOUNTED RECTANGULAR FIXTURE - SURFACE Ø MOUNTED ROUND FIXTURE - RECESSED MOUNTED RECTANGULAR FIXTURE - RECESSED

MOUNTED ROUND FIXTURE - WALL

Q

LIGHTING FIXTURE SYMBOLS:

PREFERRED SYMBOL

(

	11/1
	1/1//

DESCRIPTION

MOUNTED RECTANGULAR FIXTURE - WALL

MOUNTED RECTANGULAR FIXTURE - SUSPENDED

MOUNTED ROUND FIXTURE - SUSPENDED

MOUNTED ROUND FIXTURE - POLE ARM

 \Box MOUNTED RECTANGULAR FIXTURE - POLE ARM

MOUNTED ROUND FIXTURE - POLE TOP

MOUNTED RECTANGULAR FIXTURE - POLE TOP

MOUNTED FIXTURE - INGROUND

O ACCENT DIRECTIONAL ARROW (A)

ACCENT DIRECTIONAL ARROW (B)

O— DIRECTIONAL AIMING LINE

TRACK MOUNTED

EMERGENCY LUMINAIRE - ROUND

EMERGENCY LUMINAIRE - RECTANGULAR

LIGHTING FIXTURE - SQUARE

LIGHTING FIXTURE - RECTANGULAR

NIGHT LIGHT

₩ MOUNTING HEIGHT

LOUVERS

EMERGENCY FIXTURE - RECTANGULAR

OUTLET NOTATIONS:

"+XX"

PREFERRED SYMBOL	DESCRIPTION
"a"	SWITCHED OUTLET, "a" INDICATES SWITCH CONTROL.
"B"	PEDESTAL MOUNTED ON BENCH TOP.
"BF"	BELOW FLOOR
"C"	MOUNTED 6" ABOVE COUNTER OF 42" AFF - COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS`
"CLG"	CEILING MOUNTED
"D"	DEDICATED DEVICE ON INDIVIDUAL BRANCH CIRCUIT
"E"	EMERGENCY
"EXIST"	EXISTING DEVICE/EQUIPMENT
"F"	FLUSH FLOOR BOX WITH FIRE/SMOKE RATED PENETRATION
"GFCI"	GROUND FAULT CIRCUIT INTERRUPTER, PERSONAL PROTECTION
"GFPE"	GROUND FAULT PROTECTION OF EQUIPMENT
"H"	HORIZONTALLY MOUNTED
"IG"	ISOLATED GROUND RECEPTACLE WITH SEPARATE GREEN GROUND CONDUCTOR TO ISOLATED GROUND BUS IN PANEL
"M"	MODULAR FURNITURE SERVICE - PROVIDE FLEXIBLE CONNECTION, COORDINATE EXACT LOCATION WITH FURNITURE PLANS
"PED"	PEDESTAL MOUNTED WITH TWO HOUR FIRE/SMOKE RATED PENETRATION
"PT"	POKE THRU WITH TWO HOUR FIRE/SMOKE RATED PENETRATION
"S"	SURFACE MOUNTED FLOOR BOX
"SP"	SURGE PROTECTION RECEPTACLE
"T"	TAMPER RESISTANT SAFETY RECEPTACLE
"TL"	TWIST-LOCK
"\\"	WALL MOUNTED DEVICE AT 48" AFF UNLESS OTHERWISE INDICATED
"WP"	WEATHERPROOF RECEPTACLE WITH "NRTL" LISTED COVER PLATE FOR WET LOCATION WITH PLUG INSTALLED - MOUNTED 48" AFF UNLESS OTHERWISE INDICATED

DIMENSIONED HEIGHT

OUTLET AND RECEPTACLE SYMBOLS:

PREFERRED SYMBOL DESCRIPTION

RECEPTACLE DUPLEX FLOOR

RECEPTACLE DUPLEX CONVENIENCE

EP-2 CKT.1

EMERGENCY RECEPTACLE DUPLEX CONVENIENCE

O RECEPTACLE SINGLE CONVENIENCE

EMERGENCY RECEPTACLE SINGLE CONVENIENCE

RECEPTACLE DOUBLE DUPLEX CONVENIENCE

EP-2 CKT.5

EMERG. RECEPTACLE DOUBLE DUPLEX CONVENIENCE

AULTI-OUTLET ASSEMBLY (A)

MULTI-OUTLET ASSEMBLY (B)

♥¹ SPECIAL RECEPTACLE - ROUND

SPECIAL RECEPTACLE - SQUARE

CLOCK HANGER OUTLET

FLUSH MOUNTED FLOOR BOX

JUNCTION BOX - ROUND

JUNCTION BOX - SQUARE

POWER DISTRIBUTION EQUIPMENT SYMBOLS:

PREFERRED SYMBOL DESCRIPTION

PANEL - RECESSED

PANEL - SURFACE

PANEL - DISTRIBUTION

PANEL - EMERGENCY FEEDER DISTRIBUTION

PANEL - EMERGENCY FEEDER

MOTOR CONTROL CENTER

TRANSFORMER - DRY TYPE

TRANSFORMER - PAD MOUNT

TRANSFORMER - CURRENT CABINET

GENERATOR GENERATOR

METER - SINGLE

METER - SINGLE AND SOCKET

SWITCH - TRANSFER

RACEWAY SYMBOLS:	
PREFERRED SYMBOL	DESCRIPTION
	CONDUIT
	CONDUIT - CONCEALED
	RACEWAY - NONRIGID
NE	NORMAL/EMERGENCY CIRCUIT
—— ЕВ ——	EMERGENCY BATTERY WIRING
——— HT ———	HEAT TRACE
	KEEP WARM TRACE
P	UNDER FLOOR POWER RACEWAY
T	UNDER FLOOR TELECOMMUNICATIONS RACEWAY
——— PT ———	UNDER FLOOR POWER AND TELECOMMUNICATIONS RACEWAY
S	UNDER FLOOR SIGNAL RACEWAY
———— PTD ————	UNDER FLOOR POWER, TELEPHONE AND DATA RACEWAY
——— UCP ———	UNDER CARPET CABLE POWER
——— UCT ———	UNDER CARPET CABLE TELEPHONE
——— UCD ———	UNDER CARPET CABLE DATA
E	CONDUIT STUB
\longrightarrow	CONDUIT TURNING UP
	CONDUIT TURNING DOWN
SZ 2C,4#1&1#6GND	CONDUIT CALLOUT
(2)SZ 2C,4#1&1#6GND	MULTI CONDUIT CALLOUT

RACEWAY SYMBOLS: PREFERRED SYMBOL **DESCRIPTION** L211-1,2 HOME RUN TO PANELBOARD FLEXIBLE CONNECTION DIRECT CONNECTION \\\ ● ●IG **BRANCH CIRCUIT** UNDERFLOOR RACEWAY JUNCTION BOX POWER POLE TELECOM POLE TELECOM/POWER POLE РΒ **PULL BOX** TR TR TR CABLE TRAY TR TR TR CABLE TRAY - CONCEALED F PLUG-IN DEVICE CABLE TAP BOX СТВ BUSWAY WITH CABLE TAP BOX BW BW СТВ BW BW BUSWAY WITH PLUG-IN DEVICE F M **BUSWAY FEED UP** И **BUSWAY FEED DOWN**



WIREWAY

BUSWAY EXPANSION JOINT

BW

WW

WW

WW

SCHEMATIC AND ONE-LINE DIAGRAM SYMBOLS:

PREFERRED SYMBOL DESCRIPTION

-)- CAPACITOR

O CB - OPEN

CB - ENCLOSED

⟨←□→⟩ CB - PRIMARY DRAW OUT

⟨←○ →> CB - LOW VOLTAGE DRAW OUT

⟨⟨→ ○ □ □ □ → CB - LOW VOLTAGE DRAW OUT WITH FUSE

→ CONTACT - NORMALLY OPEN

→/← CONTACT - NORMALLY CLOSED

CT CURRENT XFMR CABINET

∞ FUSE - CUTOUT

— SWITCH - DISCONNECT UNFUSED

SWITCH - DISCONNECT FUSED

FUSE

OVERLOAD RELAY

—|II GROUND

(k2) KIRK-KEY INTERLOCK SYSTEM

o o—|II LIGHTNING ARRESTER

MOTOR AND LABEL

MOTOR OPERATOR

____ NETWORK PROTECTOR

SCALE: NTS

SCHEMATIC AND ONE-LINE DIAGRAM SYMBOLS: PREFERRED SYMBOL DESCRIPTION PANEL **PANELBOARD POTHEAD** STRESS CONE **-**/////-**RESISTOR** SHUNT TRIP HPCMAGNETIC STARTER GFCI GROUND FAULT CIRCUIT INTERRUPTER XXXV-x0 **GENERATOR GENERATOR** XXX KVA XXXVXFMR - DRY TYPE xxxY/xxxV z = X%XFMR - POTENTIAL XFMR - CURRENT 3-PHASE 3-WIRE CONNECTION **CORNER GROUNDED DELTA** 3-PHASE 4-WIREWYE CONNECTION AFD (X) ADJUSTABLE FREQUENCY DRIVE XX-X-X **BUSDUCT OR BUSWAY** XXI XXXV BUSDUCT

SCHEMATIC AND ONE-LINE DIAGRAM SYMBOLS: PREFERRED SYMBOL **DESCRIPTION** XX¹ XXXV WIREWAY **WIREWAY** (CM)METER - CUSTOMER METER - TOTALIZING WATT HOUR METER - VARMETER METER - AMMETER METER - AMMETER PHASE SWITCH (D) METER - DEMAND (GD) GROUND DETECTOR P SYNCHROSCOPE METER - POWER FACTOR Hz **METER - FREQUENCY** \bigcirc **METER - VOLTMETER** (VA) **METER - VOLT-AMMETER** (VS) METER - VOLTMETER PHASE SWITCH **METER - WATTMETER METER - WATTHOUR** TRANSFER SWITCH XXA-XP **SWITCH - TRANSFER** SWITCH - PUSH START



SCALE: NTS

SCHEMATIC AND ONE-LINE DIAGRAM SYMBOLS:

PREFERRED SYMBOL **DESCRIPTION**

SWITCH - LIMIT

SWITCH - FLOW

SWITCH - PRESSURE

SWITCH - FLOAT

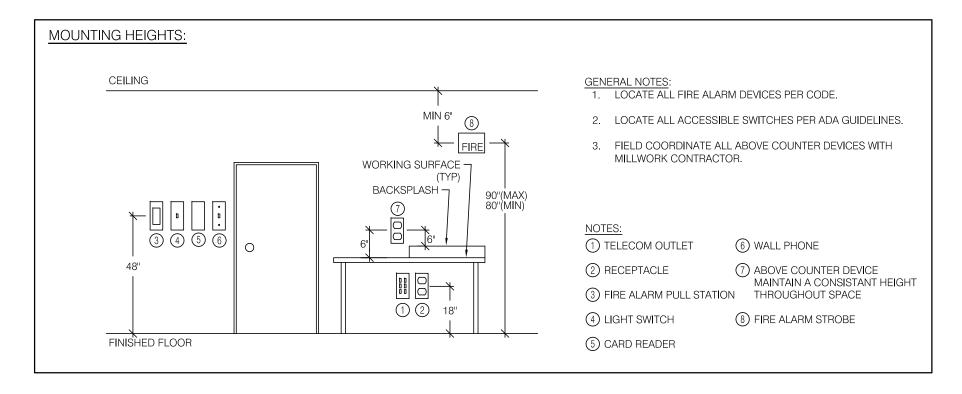
PILOT LIGHT

SOLENOID

SCALE: NTS

SWITCH AND SENSOR SYMBOLS:

PREFERRED SYMBOL	DESCRIPTION
\$	SWITCH - SINGLE POLE
$\$_{\!\scriptscriptstyle 2}$	SWITCH - DOUBLE POLE
\$ ₃	SWITCH - THREE WAY
$\mathbb{S}_{\!_{_{\!\!4}}}$	SWITCH - FOUR WAY
\$ a	SWITCH - CONTROL
\$ _{CB}	SWITCH - CIRCUIT BREAK
$\$_{\!\scriptscriptstyleDT}$	SWITCH - SINGLE POLE/DOUBLE THROW
\$ _G	SWITCH - GLOW TOGGLE
$\$_{\!\scriptscriptstyle{H}}$	SWITCH - HORIZONTAL
\$ _k	SWITCH - KEY OPERATED
\$ _{KP}	SWITCH - KEY OPERATED WITH PILOT LIGHT
\$ _{Lv}	SWITCH - LOW VOLTAGE
\$ _{LM}	SWITCH - LOW VOLTAGE MASTER SWITCH
\$ _{MC}	SWITCH - MOMENTARY CONTACT
\$_	SWITCH - PILOT LIGHT
$\$_{\!\scriptscriptstyle{ au}}$	SWITCH - TIMER
$\$_{WP}$	SWITCH - SINGLE POLE WEATHERPROOF
D	SWITCH - DIMMER
♦	SWITCH - OCCUPANCY SENSOR WALL MOUNTED
\bigotimes_{P}	SWITCH - OCCUPANCY SENSOR CEILING MOUNTED





STANDARD ELECTRICAL ABBREVIATIONS: **AFF** ABOVE FINISHED FLOOR ΚV **KILOVOLT** Α AMPERE (AMP) KILOVOLT AMP KVA ΑL **ALUMINUM** KILOVOLT AMPS REACTIVE KVAR **ARCH** ARCHITECT(URAL) LA LIGHTNING ARRESTOR ATS **AUTOMATIC TRANSFER SWITCH** LV LOW VOLTAGE CB CIRCUIT BREAKER **MATV** MASTER ANTENNA TELEVISION С CONDUIT MCA MINIMUM CIRCUIT AMPS **CLOSED CIRCUIT TELEVISION** CCTV **MCB** MAIN CIRCUIT BREAKER CKT CIRCUIT MCC MOTOR CONTROL CENTER CLG **CEILING** MDP MAIN DISTRIBUTION PANEL **CURRENT TRANSFORMER** CT **MECH MECHANICAL** CU **COPPER** MH METAL HALIDE DN **DOWN** MLO MAIN LUGS ONLY **EMERG EMERGENCY** MV MERCURY VAPOR ELECTRIC METALLIC TUBING MANUAL TRANSFER SWITCH EMT MTS EΡ **EXPLOSION PROOF** NIC NOT IN CONTRACT **EPO EMERGENCY POWER OFF** NIGHT LIGHT CIRCUIT NL **EWC** ELECTRICAL WATER COOLER **PUBLIC ADDRESS** РΑ FΑ FIRE ALARM PΕ PHOTO ELECTRIC CELL FLA **FULL LOAD AMPS** PF POWER FACTOR **FLUOR FLUORESCENT** PNL PANELBOARD **FCIC** FURNISHED BY CONTRACTOR **PVC** POLYVINYL CHLORIDE CONDUIT INSTALLED BY CONTRACTOR **PWR** POWER **FOIC** FURNISHED BY OWNER SDP SUB-DISTRIBUTION PANEL INSTALLED BY CONTRACTOR STR STARTER **FOIO** FURNISHED BY OWNER SV SOLENOID VALVE **INSTALLED BY OWNER** SW **SWITCH FVIC** FURNISHED BY VENDER TC TIME CLOCK INSTALLED BY CONTRACTOR TD TIME DELAY **GROUND FAULT PROTECTION GFP** TP **TAMPERPROOF** GFI **GROUND FAULT INTERRUPTER** TTB TELEPHONE TERMINAL BOARD **GROUND FAULT CIRCUIT GFCI** TTC TELEPHONE TERMINAL CABINET **INTERRUPTER** TV **TELEVISION GRC GALVANIZED RIGID CONDUIT** TYP TYPICAL GRD **GROUND** UG UNDERGROUND HP HORSEPOWER **UPS** UNINTERRUPTABLE POWER HIGH PRESSURE SODIUM **HPS SUPPLY** HV HIGH VOLTAGE **USB** UNIVERSAL SERIAL BUS HΖ HERTZ V **VOLTAGE** IC ISOLATED GROUND **VOLT AMPERES** VA INC **INCANDESCENT WATTS** W JUNCTION BOX JB WP WEATHER PROOF KW **KILOWATT XFMR TRANSFORMER** KILOWATT HOUR **KWH**



rac		

Directions:

1. The kitchen equipment descriptions and electrical characteristics will be provided by the project kitchen consultant.

2. The electrical designer will copy only the kitchen equipment items with electrical requirements into the schedule.

3. The kitchen equipment tags will match the tags provided on the kitchen consultants documents.

4. Provide a corresponding equipment tag on the kitchen plans, using a ovel symbol.

5. Provide the standard hood fire suppression monitoring and shutdown detail on the drawings.

6. Fill out the blue portion below and insert into the design drawing package.

Orig. Date: 1/1/1111 Revised: 1/1/1111 By: XYZ Chk By: XYZ Project: XYZ Architect: XYZ Kitchen Consultant:

	KITCHEN EQUIPMENT CONNECTION SCHEDULE															
EQUIPMENT DESCRIPTIONS ELECTRICAL CHARACTERISTICS								FEED	ER CHARACTERISTIC	s		PANEL INF	ORMATION	EQUIPMENT CONNECTION		NOTES
EQUIPMENT ID TAG	DESCRIPTION	LOCATION	LOAD (KW)	LOAD (AMPS)	VOLTS	PHASE	CONDUIT	PHASE CONDUCTORS	GROUND CONDUCTORS	ОСР	DISCONNECT	PANEL	CIRCUIT	TYPE	LOCATION	
1	REMOTE REFRIGERATION SYSTEM			150.0	208	3	2"	3#3/0	1#6	200/3				HARDWIRE		
3	SODA RACK			10.0		1	3/4"	2#12	1#12	20/1				NEMA 5-20R		
14	FOOD WASTE COLLECTOR			3.2		3	3/4"	3#12	1#12	20/3				HARDWIRE		
18	DISHWASHER			55.0		3	1-1/4"	3#1	1#6	125/3				HARDWIRE		
29	MOBILE HEATED CABINET			16.0		1	3/4"	2#12	1#12	20/1				NEMA 5-20R		
34	WALK-IN FREEZER			10.0		1	3/4"	2#12	1#12	20/1				HARDWIRE		
35	EVAPORATOR COIL			1.8	208		3/4"	3#12	1#12	20/2				HARDWIRE		
36	WALK IN FREEZER			10.0	120		3/4"	2#12	1#12	20/1				HARDWIRE		
37	EVAPORATOR COIL			1.8	208		3/4"	3#12	1#12	20/2				HARDWIRE		
41	WALK-IN COOLER			10.0		1	3/4"	2#12	1#12	20/1				HARDWIRE		
43	EVAPORATIVE COIL			2.0		1	3/4"	2#12	1#12	20/1				HARDWIRE NEMA 5-20R		
45	WORK TABLE WORK TABLE			15.0 15.0		1	3/4"	2#12 2#12	1#12 1#12	20/1				NEMA 5-20R		
47 48	MEAT SLICER			5.6	120		3/4"	2#12	1#12	20/1				NEMA 5-20R		
40 51	WORK TABLE			15.0		-	3/4"	2#12	1#12	20/1				NEMA 5-20R		
52	WORK TABLE			15.0	120		3/4"	2#12	1#12	20/1				NEMA 5-20R		
32	WORK TABLE			10.0	120	_	3/4	27 12	1712	20/1				TALMATO LOSS		
						1		1			1					
						1		1								
						1		1								
								1	1		1		1	1		

- A. REFER TO THE KITCHEN CONSULTANT DOCUMENTS FOR FURTHER DETAILS, NOTES AND ELECTRICAL INSTALLATION INSTRUCTIONS.
 B. ALL RECEPTACLES WITHIN THE KITCHEN AREA SHALL BE GFC! TYPE PER NEC.

NOTES: (SOME MAY NOT BE USED ON THIS SHEET)

- 1. PROVIDE CONTROLS INTERLOCK CONNECTION BETWEEN THE HOOD CONTROL PANEL AND THE HOOD EMAILST FAN STARTER AS RECOMMENDED BY THE HOOD MANUFACTURE
 2. PROVIDE CONTROLS INTELLOCK CONNECTION BETWEEN THE DEMINISHER CONTROL PANEL, ARE THE HOOD EMAILST FAN STARTER AS RECOMMENDED BY THE DISHMASHER MANUFACTURE
 4. PROVIDE FIRE ALMY SYSTEM MONOTHORN OF THE HOOD FIRE SUPRESSION PANEL, REFER TO LOT FOR LINE AND A START MONOTHING OF THE HOOD FIRE SUPRESSION PANEL, REFER TO LOT FALL.
 5. FOR EACH PECE OF HARDWISED ECUPHENT, PROVIDE SULTRIEL DISCONNECTING MEANS IN ACCESSIBLE, CONCEALED SEPARATE LOCATIO
 WITHIN LINE OF SIGN OF EXCURING THE MONOTHING MEANS IN ACCESSIBLE, CONCEALED SEPARATE LOCATIO
 WITHIN LINE OF SIGN OF EXCURING THE MONOTHING MEANS IN ACCESSIBLE CONCEALED SEPARATE LOCATIO
 WITHIN LINE OF SIGN OF EXCURING THE MONOTHING MEANS.



Orig. Date: 1/1/1111 Revised: 1/1/1111 Project: Architect: XXX Bv:

	MECHANICAL EQUIPMENT CONNECTION SCHEDULE																		
EQUIPMENT DESCRIPTIONS ELECTRICAL CHARACTERISTICS									CONNECTIO	N CHARACTE	RISTICS	F	EEDER CHARACTE	RISTICS	PANEL INFORMATION	SCCR	NOTES		
TAG	DESCRIPTION	LOCATION	KW	HP	FLA	MCA	MOCP	VOLTS	PHASE	VFD	1-POINT CONNECT	STARTER DIVISION	DISCONNECT DIVISION	CONDUIT DIA (INCH)	PHASE CONDUCTORS	GROUND CONDUCTOR	PANEL NAME	AVAILABLE FAULT AT EQUIPMENT (AMPS)	
COLUMNS TO BE COMPLETED BY DELETE THIS ROW AFTER COMPLETE COLUMNS TO BE COMPLETED BY MECHANICAL								COLUMNS TO BE COMPLETED BY ELECTRICAL											
EXAMPLE INPUTS (FOR REFERENCE)	DELETE THIS ROW AFTER COMPLETE		0.75 10	1/4 2-1/2 5 15	110.3	137.5	150	120 208 277 480	1 3	YES NO	YES NO	23 26	23 26	1/2 3	1#12 2#8 3#10	1#8 1#10 1#12	4P1A EM2P1A MCC1A	10,473	NOTE 1 NOTES 1, 4
DUCT SMOKE DETECTORS DUCT SMOKE DETECTORS	AT FSD'S AT (RTU)(AHU) - (SUPPLY)(RETURN)																		
FSD	FIRE SMOKE DAMPER																		
DDC PANEL	CONTROL PANEL - 1st floor																		
AC-1	AIR COMPRESSOR FOR CONTROLS																		
AHU-	AIR HANDLING UNIT -SUPPLY FAN																		
	-RETURN/RELIEF FAN -LIGHTS -RECEPTACLES																		
	TALOLI' INOLES																		

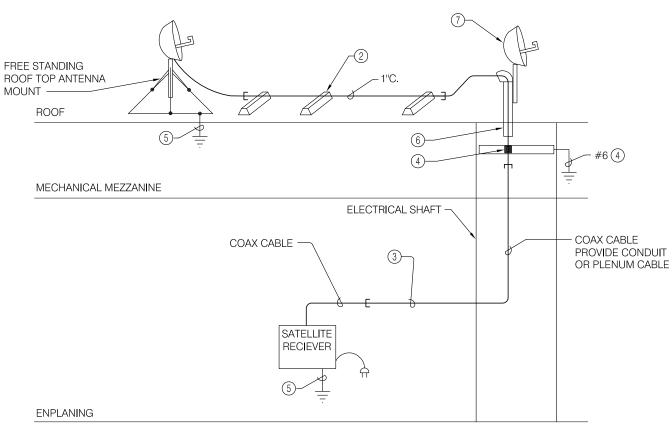
GENERAL NOTES: (SOME MAY NOT BE USED ON THIS SHEET)

REFER TO ONE-LINE DIAGRAM OR PANEL SCHEDULES FOR OVERCURRENT PROTECTION CHARACTERISTICS AND CIRCUIT NUMBERS.
 COORDINATE ALL EQUIPMENT CONNECTION REQUIREMENTS WITH INSTALLING CONTRACTOR PRIOR TO THE INSTALLATION OF ANY ELECTRICAL WORK.
 COMBINATION STARTER/DISCONNECTS AND DISCONNECT SWITCHES SHALL BE LOCATED WITHIN SIGHT OF AND ADJACENT TO EQUIPMENT SERVED. COORDINATE INSTALLATION WITH EQUIPMENT INSTALLER.
 NOT ALL EQUIPMENT IDENTIFIED HERE IS SHOWN ON FLOOR PLANS. REFER TO DRAWINGS IN OTHER DISCIPLINES FOR EQUIPMENT LOCATIONS.

NOTES: (SOME MAY NOT BE USED ON THIS SHEET)

1. XXX 2. XXX 3. XXX

MISCELLANEOUS SY	MISCELLANEOUS SYMBOLS:									
PREFERRED SYMBOL	DESCRIPTION									
1	KEY NOTE									
E	EXISTING TO REMAIN									
\otimes	REMOVE EXISTING									
©	CONNECT TO EXISTING									
K	CAP EXISTING / CAP FOR FUTURE									
A	ACCESS PANEL									
B	RUN IN BEAM SPACE									
®	EXISTING TO BE RELOCATED									
D	ABANDON IN PLACE									



KEY NOTES:

- PROVIDE A FREE STANDING,
 NON-PENETRATING, ROOF TOP ANTENNA
 MOUNTING BASE. PROVIDE A RUBBER ROOF
 PROTECTION MAT OF THE SAME
 MANUFACTURER. PROVIDE A MINIMUM OF 40
 LBS CMU BLOCK BALLAST ON EACH SIDE.
 LEVEL MAST STRUCTURE USING EXTRA
 RUBBER MAY MATERIAL ON THE LOW SIDE.
- 2 PROVIDE NON-PENETRATING ROFF TOP CONDUIT SUPPORTS, B-LINE C SERIES, ERICO OR EQUAL.
- 3 PROVIDE A 1" CONDUIT FOR COAX CABLES WITHIN SHAFT AND CEILING SPACE.
- PROVIDE A COPPER GROUND BAS WITH LIGHTNING PROTECTORS FOR ANTENNA COAX CABLE. MOUNT ON INSULATED STAND-OFF'S TO THE WALL OF THE ELECTRICAL SHAFT, AS CLOSE TO THE BUILDING ENTRY POINT AS POSSIBLE. PROVIDE A #6 GROUND CONDUCTOR TO STRUCTURAL STEEL.
- 5 PROVIDE A #6 GROUND CONDUCTOR FROM THE ANTENNA MAST AND RECEIVER TO THE BUILDING STRUCTURAL STEEL.
- 6 PROVIDE A MINIMUM OF TWO ATTACHMENT POINTS FOR CONDUIT MAST. REFER TO THE STANDARD DETAIL FOR ROOF WEATHERHEAD PENETRATION.
- 7 ALTERNATE MOUNTING LOCATION FOR DISH, PROVIDE ATTACHMENT TO WEATHERHEAD CONDUIT.

SATELLITE DISH INSTALLATION
SCALE: NTS

TELECOM SYMBOLS:

PREFERRED SYMBOL DESCRIPTION

OUTLET - DATA FLOOR

▼ OUTLET - DATA / TELEPHONE

OUTLET - DATA / TELEPHONE FLOOR

▼ OUTLET - TELEPHONE

V_W OUTLET - TELEPHONE WALL

OUTLET - TELEPHONE FLOOR

EQUIPMENT RACK

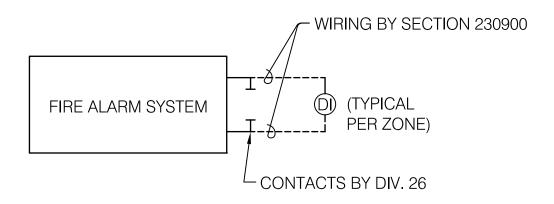
EQUIPMENT RACK - WALL

EQUIPMENT RACK - FREE STANDING

TERMINAL CABINET WIT PLYWOOD BACKING

PLYWOOD BACKBOARD

OUTLET JACK NUMBER	LOCATION	ITEM SERVED	NETWORK ROOM # OR TERMINATION BOARD ID	CABLE TYPE	NEW PATCH PANEL REQUIRED	ROW	RACK	PATCH PANEL	PORT	CABLE NAME	NOTES
1	POINT OF SALE	KIOSK - 1	D2630	CAT 6	NO	С	2	AA	05	CCD.2M-C2AA05	
2	POINT OF SALE	KIOSK - 1	D2630	CAT 6	NO NO	Ċ	2	AA	06	CCD.2M-C2AA06	
_	10111 01 0/122	THOON	22000	0/11 0	.,,,	- u	_	,,,,		000.2111 02.0100	



NOTE:

1. REFER TO ELECTRICAL PLANS FOR FIRE ALARM CONTROL PANEL LOCATION.



FIRE ALARM SYMBOLS: PREFERRED SYMBOL **DESCRIPTION** FIRE ALARM CONTROL PANEL FCP FIRE SYSTEM ANNUNCIATOR FSA FSA FIRE ALARM TRANSPONDER ESR **ELEVATOR STATUS/RECALL** FAC FIRE ALARM COMMUNICATOR HALON CONTROL PANEL HCP CONTROL PANEL FOR HVAC HVA FIRE EMERGENCY BATTERY ONE LIGHT FIRE EMERGENCY BATTERY TWO LIGHTS 不 FIRE EMERGENCY BATTERY THREE LIGHTS FIRE EXIT SIGN ONE SIDE **⊘** FIRE EXIT SIGN TWO SIDED COMBINATION SIGN ONE LIGHT **₹** COMBINATION SIGN TWO LIGHTS FIRE STATION - HALON FIRE STATION - CARBON DIOXIDE FIRE STATION - DRY CHEMICAL FIRE STATION - FOAM FIRE STATION - WET CHEMICAL FIRE STATION - PULL STATION

FIRE ALARM SYMBOLS:

PREFERRED SYMBOL DESCRIPTION

FIRE PHONE ACCESSIBLE

FIRE PHONE JACK

FIRE PHONE HAND SET

ABORT SWITCH

AUTOMATIC DETECTION DEVICE

FIRE DETECTOR COMBINATION RATE OF RISE

AND FIXED TEMPERATURE

 $igcup_{\mathbb{R}/\mathbb{C}}$ FIRE DETECTOR RATE COMPENSATION

 \bigcirc FIRE DETECTOR FIXED TEMPERATURE

FIRE DETECTOR RATE OF RISE ONLY

FIRE DETECTOR SMOKE

FIRE DETECTOR PHOTOELECTRIC PRODUCTS

FIRE DETECTOR IONIZATION PRODUCTS

FIRE DETECTOR BEAM TRANSMITTER

PIRE DETECTOR BEAM RECEIVER

FIRE DETECTOR SMOKE IN DUCT

TLAME DETECTOR

flow detector/switch

, ♀ , PRESSURE DETECTOR/SWITCH

FIRE ALARM SYMBOLS: PREFERRED SYMBOL **DESCRIPTION** FIRE DETECTOR LEVEL FIRE DETECTOR TAMPER FIRE DETECTOR VALVE AND TAMPER FIRE HORN MFIRE HORN MINI-HORN FIRE BELL FIRE WATER MOTOR ALARM FIRE HORN AND LIGHT $\square \square$ FIRE HORN WITH BUILT-IN LIGHT

SECURITY SYMBOLS:

PREFERRED SYMBOL DESCRIPTION

CCTV CAMERA

CCTV COAXIAL CABLE AND POWER OUTLET

MTV CCTV MONITOR OUTLET

Bo DOOR BELL

B/ DOOR BUZZER

B= DOOR CHIME

ELECTRIC DOOR OPENER

ELECTRIC DOOR STRIKE

INTERCOM

M INTERCOM MASTER

MOTION DETECTOR

M SECURITY DOOR ALARM MAGNETIC LOCK

SECURITY CARD READER

SECURITY CONTROL PANEL

SECURITY DOOR CONTACTS

• SECURITY EXIT PUSH BUTTON

K SECURITY KEYPAD