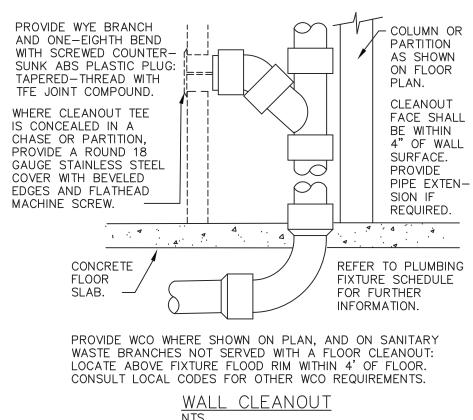
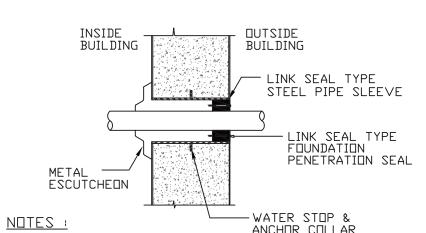


ON STRAIGHT RUNS, AND WHERE SHOWN ON PLANS. PROVIDE BACKFILL PER ARCHITECTURAL SPECIFICATIONS LOCATE CLEANOUTS WHERE THERE IS 18" CLEAR AROUND. CONSULT LOCAL CODES FOR OTHER FCO REQUIREMENTS.





ANCHOR COLLAR 1.- USE FOR ALL PIPING EXCEPT 3.- FOR GAS PIPING REFER TO GAS GAS PIPING PENETRATING COMPANY REQUIREMENTS.

FOUNDATION WALL. 4.- COORDINATE WITH STRUCTURAL AND 2.- FOR SLEEVE DIAMETER USE ARCHITECTURAL DRAWINGS. MANUFACTURERS SIZE

GPM

PROVIDE TACO "00" TIMER AQUASTAT

GAS WATER HEATER

-THERMOMETER

11/4"

THERMAL EXPANSION TANK AMTROL ST-5

SCHEMATIC FOR DOMESTIC HOT WATER SYSTEM-GWH-2 N.T.S.

TYPICAL

T & P RELIEF VALVE PIPING SHALL BE ROUTED TO FLOOR DRAIN

GPH DIMENS AIR FLUE GAS CONN. A.O.SMITH MODEL

| VOLTS | FLANGE | AMPS

HOT WATER RETURN LINE

CIRCULATING PUMP

------ COLD WATER LINE ------- HOT WATER LINE

---- HOT WATER RETURN LINE

└ AQUASTAT

RETURN LINE

MAIN COLD WATER INLET

DCP1

60 | 120 | 138 | 28"øx56" | 3"CPVC | 3" CPVC | 3/4" | BTH-120

DOMESTIC HOT WATER CIRCULATING PUMP

DCP | 12 | 8' | 3250 | 115/1 | 3/4" | 1.0 | 007

PIPE PENETRATION - FOUNDATION WALL BELOW GRADE NOT TO SCALE

RECOMENDATIONS.

UNIT CAP (GAL)

MIXING VALVE ---POWERS MM434

140°F HW¬

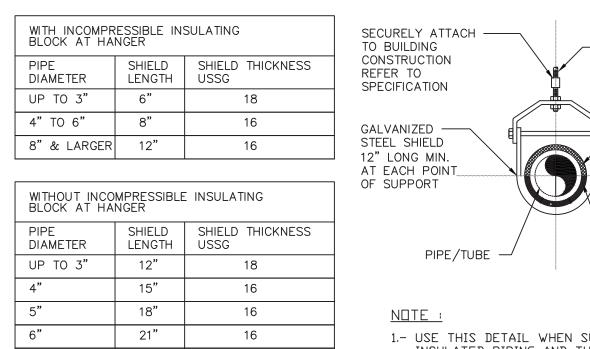
VACUUM RELIEF<u>.</u> VALVE

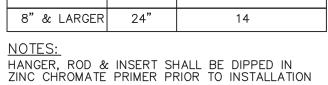
ASME T&P RELIEF

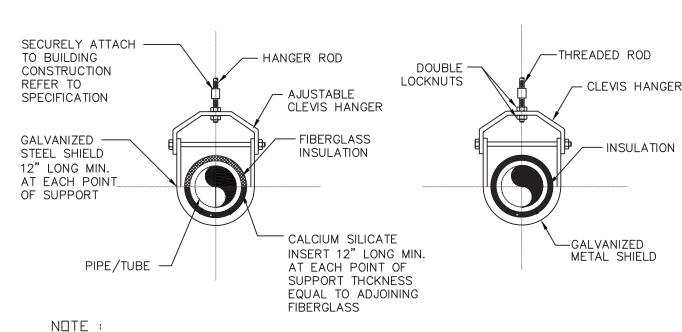
VALVE: TYPE "L"

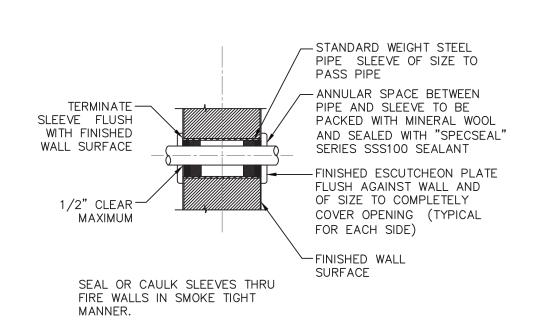
DRAIN FULL SIZE

SEE NOTE 1.

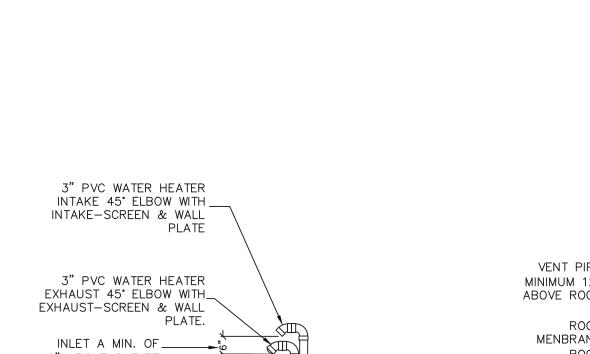


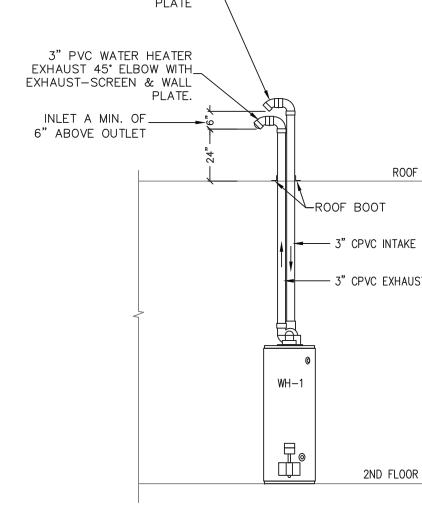


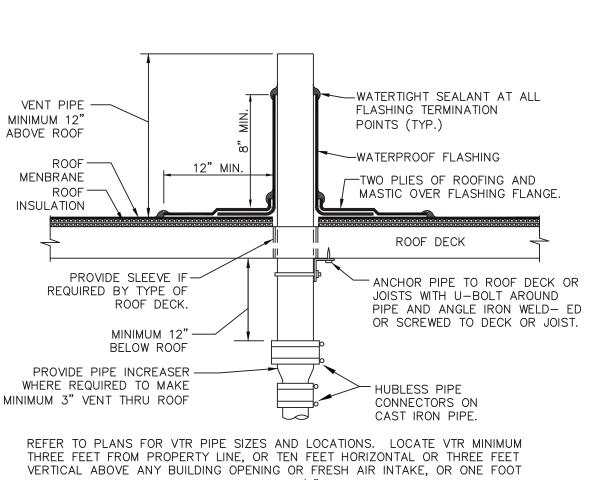




DETAIL OF PIPE PENETRATING THRU FIRE RATED WALL/FLOOR/CEILING



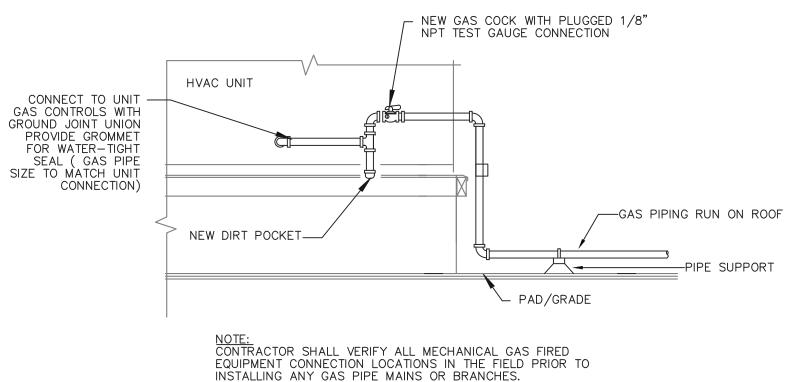




FROM ANY VERTICAL SURFACE. PROVIDE 1/2" FIBERGLASS INSULATION WITH ALL-SERVICE JACKET ON VENT PIPE INSIDE BUILDING WITHIN TEN FEET OF VENT THRU ROOF LOCATION. AT CONTRACTOR'S OPTION, HE MAY USE A NEOPRENE OR FLEXIBLE PVC COUPLING CLAMPED TO FLASHING AND PIPE WITH SS SCREW CLAMPS. VERIFY FLASHING AND COUNTERFLASHING WITH ROOFING CONTRACTOR.

PIPE DIAMETER	SHIELD LENGTH	SHIELD THICKNESS USSG	TO BUILDING CONSTRUCTION REFER TO SPECIFICATION	HANGER ROD DOUBLE LOCKNUTS AJUSTABLE	THREADED ROD — CLEVIS HANG
UP TO 3"	6"	18	SPECIFICATION	CLEVIS HANGER	
4" TO 6"	8"	16	GALVANIZED —	FIBERGLASS	
8" & LARGER	12"	16	STEEL SHIELD	INSULATION	INSULATIO
			12" LONG MIN. AT EACH POINT		
WITHOUT INCO BLOCK AT HA	MPRESSIBLE NGER	E INSULATING	OF SUPPORT		
PIPE DIAMETER	SHIELD LENGTH	SHIELD THICKNESS USSG	DIDE (TUDE	CALCIUM SILICATE INSERT 12" LONG MIN.	GALVANIZED METAL SHIELD
UP TO 3"	12"	18	PIPE/TUBE —	AT EACH POINT OF SUPPORT THCKNESS	
	15"	16		EQUAL TO ADJOINING FIBERGLASS	
4"				FIDERULA: A.O.O	
4 " 5"	18"	16	<u>N□TE :</u>	FIDERGLASS	
·	18" 21"	16 16	N□TE : 1 USE THIS DETAIL WHEN INSULATED PIPING AND	N SUPPORTING	

NOT TO SCALE



TYPICAL GAS PIPING CONNECTION

EQUIPMENT

GAS LINES, SIZE

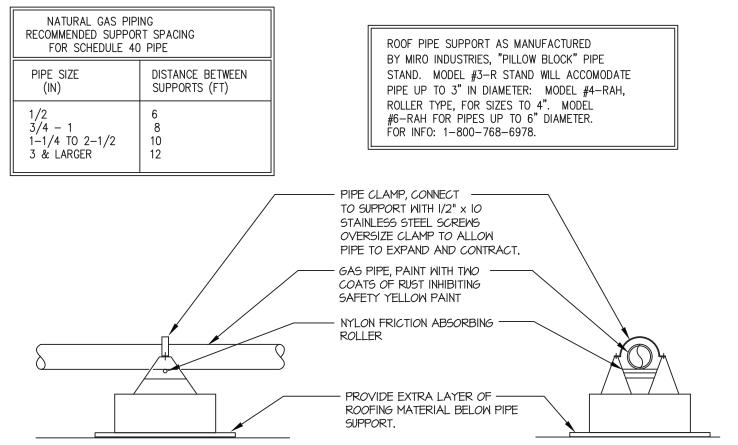
SHUT-OFF -

EXTEND 6"

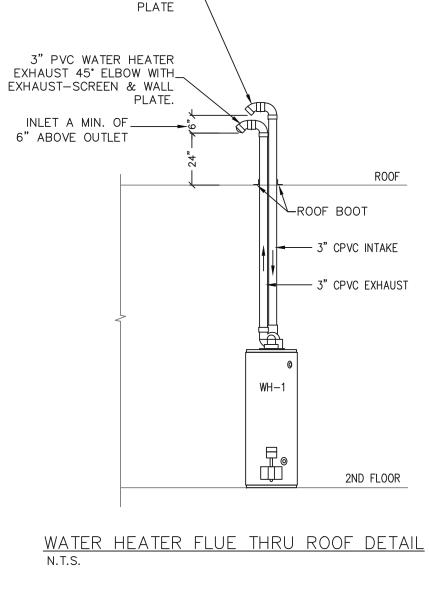
COCK

AS PER PLANS 7

NEW HVAC UNIT GAS PIPING CONNECTION



ROOFGAS PIPE SUPPORT DETAIL



	PLUMBING FIXTURE SCHEDULE										
SYMBOL	FIXTURE/ITEM	MODEL	VALVE/FAUCET	HOT WTR	FIXTURE CO		VENT	COMMENTS			
WC	FLOOR MOUNTED BARRIER FREE WATER CLOSET	KOHLER HIGHCLIFF K-96057-0 W/ K-4670 SEAT	SLOAN OPTIMA Plus 8111-1.28 BATTERY POWERED FLUSHOMETER	_	1"	3"	2"	PROVIDE WATER HAMMER ARRESTER ON BRANCH			
UR	URINAL	KOHLER BARDON K-4991-ET-0	SLOAN OPTIMA Plus 8186-1.0 BATTERY POWERED FLUSHOMETER	_	3/4"	2"	11/2"	REFER TO ARCH. FOR MOUNTING HTS.			
LAV	WALL-MOUNTED LAVATORY	KOHLER KINGSTON K-2005 W/ CONCEALED-ARM CARRIER	SLOAN OPTIMA EBF-85-4-BDT BATTERY POWERED FAUCET W/ ETF-1027-A 2.2 GPM AERATOR	1/2"	1/2"	11/2"	11/4"	W/ THERMOSTATIC MIXING VALVE & ETF-460-A STRAINER, REFER TO ARCH. FOR MOUNTING HTS.			
CL	COUNTER-MOUNTED LAVATORY	KOHLER PENNINGTON K-2196-1	SLOAN OPTIMA EBF-85-4-BDT BATTERY POWERED FAUCET W/ ETF-1027-A 2.2 GPM AERATOR	1/2"	1/2"	11/2"	11/4"	W/ THERMOSTATIC MIXING VALVE & ETF-460-A STRAINER, REFER TO ARCH. FOR MOUNTING HTS.			
MS	MOP SINK	FIAT TSB-700 36x24x12	FIAT 830-AA	1/2"	1/2"	3"	11/2"				
FD	FLOOR DRAIN	JR SMITH 2005-A	PRECISION PLUMBING PRODUCTS MODEL P1-500	_	1/2"	2"	11/2"				
SH	BARRIER FREE TRANSFER SHOWER	CLARION BATHWARE MP3837LBF34 (LEFT) MP3837RBF34 (RIGHT)	DELTA T13H152-2 W/ R10000-UNWS MIXING VALVE, HANDSHOWER 1.7 GPM, 24" S/S SLIDE BAR & CP S/S HOSE	1/2"	1/2"	2"	11/2"	REFER TO NOTE NUMBER 3			
DF	DRINKING FOUNTAIN WITH BOTTLE FILLER	HAWS 1011/6700.4/ 1920/BP32	-	_	1/2"	11/2"	11/4"				
WB	WASHER WALL BOX WASHER BY OTHERS		WATTS DWB DuoClozure WALL BOX 2-M2 DWB	1/2"	1/2"	2"	2"				

NOTES:

1. COORDINATE ALL COLORS & FINISHES WITH ARCHITECT

PROVIDE McGUIRE PRO-WRAP INSULATING KIT ON TRAPS AND DOMESTIC WATER SUPPLIES TO ALL LAVATORIES. PROVIDE THE FOLLOWING CLARION BATHWARE TRANSFER SHOWER ACCESSORIES:

- A. #503218 GRAB BAR #660 SOAP DISH #400-33.5"-SDL FOLDING SEAT
- BRASS DRAIN
- #CR-59 1/4 CURTAIN ROD CURTAIN
- G. COLLAPSIBLE THRESHOLD KIT 2.5a

PLUMBING GENERAL NOTES:

1. RUN HOT AND COLD WATER LINES DOWN IN WALLS OR CHASES -BRANCH TO FIXTURES AS REQUIRED.

2. ALL DOMESTIC WATER LINES ABOVE GROUND, TYPE "L" COPPER UNLESS NOTED OTHERWISE. INSULATE ALL HOT AND COLD WATER PIPING ABOVE GROUND AND

CEILINGS WITH 1" THICK FIBERGLASS INSULATION FOR PIPES UP TO 11/2" AND 11/2" THICK FIBERGLASS INSULATION FOR PIPES 2" AND UP. PROVIDE WITH A FACTORY APPLIED VAPOR BARRIER UNLESS NOTED

CONTRACTOR SHALL COORDINATE ALL WORK WITH THE LOCAL CODE OFFICIAL PRIOR TO EXECUTION OF ANY WORK OR PURCHASE OF ANY

INSTALL PIPING AFTER DUCTWORK HAS BEEN PLACED.

COORDINATE ALL WORK WITH THAT OF OTHER TRADES; ELECTRICAL, ETC. DRAWINGS ARE DIAGRAMMATIC AND SHOW GENERAL ARRANGEMENT OF

8. PROVIDE WATER HAMMER ARRESTORS. NO SITE BUILT ARRESTORS ARE ALLOWED.

9. PROVIDE ALL REQUIRED CUTTING AND TRENCHING OF EXISTING FLOOR. BACKFILL AND PATCH FLOOR TO MATCH EXISTING. 10. EXACT LOCATIONS OF ITEMS NOTED AS BEING EXISTING SHALL BE

VERIFIED IN THE FIELD. 11. APPROXIMATE LOCATIONS OF EXISTING HW, CW, HWR, VENTS, WASTE, GAS, AND STORM WATER PIPING IN CEILING. WHERE REQUIRED IN ORDER

TO ACCOMMODATE NEW WORK, RAISE OR LOWER OR RELOCATE PIPING TO SUIT NEW CONDITIONS.

12. MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER CONSTRUCTION OF ANY PART OF THE WORK SHALL BE INCLUDED AS IF THEY WERE INDICATED ON THE DRAWINGS.

PLUMBING LEGEND 4" SAN ROUGHING IN FLOOR CW ------ COLD WATER PIPING E CW ----- EXISTING COLD WATER PIPING HW ----- HOT WATER PIPING E HW ---- EXISTING HOT WATER PIPING SAN ---- NEW SAN PIPING E SAN ---- EXISTING SAN PIPING ----- VENT PIPING - EXISTING VENT PIPING NEW GAS PIPING EG —————— EXISTING GAS PIPING DENOTES EXISTING VALVE CLEAN OUT (FLOOR MOUNTED) CLEAN OUT (WALL MOUNTED) NEW CONNECTION TO EXISTING ELBOW UP ELBOW DOWN

09.14.23 ISSUED FOR BID 08.25.23 FOR PERMIT

SCALE: AS NOTED DATE: 08.25.2023 FILE: 2260\Current\



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