

PLUMBING FIXTURE SCHEDULE											
ITEM	DESCRIPTION	FIXTURE	MATERIAL	TYPE	OPERATOR/FITTING	CARRIER	H.W.	C.W.	WASTE	VENT	REMARKS/ACCESSORIES
WC-1	DESCRIPTION	FLOOR MOUNTED WATER CLOSET	VITREOUS CHINA	WELLCOMME	BATTERY OPERATED FLUSHOMETER	--	--	1"	3"	2"	LUSTRA OPEN FRONT SEAT WITH ANTI-MICROBIAL AGENT - KOHLER #K-4670-CA-0
	MANUFACTURER	KOHLER	--	#K-4350-0	SLOAN REGAL #111-1.6 SMO	--	--	--	--	--	1.6 GALLONS PER FLUSH.
WC-2	DESCRIPTION	ADA FLOOR MOUNTED WATER CLOSET	VITREOUS CHINA	HIGHCREST	BATTERY OPERATED FLUSHOMETER	--	--	1"	3"	2"	LUSTRA OPEN FRONT SEAT WITH ANTI-MICROBIAL AGENT - KOHLER #K-4670-CA-0
	MANUFACTURER	KOHLER	--	#K-4302-0	SLOAN REGAL #111-1.6 SMO	--	--	--	--	--	1.6 GALLONS PER FLUSH.
URN-1	DESCRIPTION	ADA WALL MOUNTED URINAL	VITREOUS CHINA	BARDON	BATTERY OPERATED FLUSHOMETER	NEW	--	3/4"	2"	1 1/2"	PROVIDE ALL ACCESSORIES FOR A 100% COMPLETE INSTALLATION.
	MANUFACTURER	KOHLER	--	#K-4991-ET-0	SLOAN REGAL #186-1 XL SMO	--	--	--	--	--	1.0 GALLONS PER FLUSH
LAV-1	DESCRIPTION	UNDERMOUNTED ADA LAVATORY	VITREOUS CHINA	CAXTON	BATTERY OPERATED FAUCET	--	1/2"	1/2"	1 1/2"	1 1/2"	LAVATORY IS ADA COMPLIANT WHEN INSTALLED IN 21" MINIMUM DEPTH COUNTERTOP.
	MANUFACTURER	KOHLER	--	#K-2211-0	SLOAN #EAF-250-ISM	--	--	--	--	--	PROVIDE ALL ACCESSORIES FOR A 100% COMPLETE INSTALLATION. FAUCET - 0.5 GPM
CS-1	DESCRIPTION	UNDERMOUNTED CLASSROOM SINK	18 GAUGE STAINLESS STEEL	SINGLE BASIN SINK	MANUAL DUAL LEVER	--	1/2"	1/2"	1 1/2"	1 1/2"	PROVIDE ALL ACCESSORIES FOR A 100% COMPLETE INSTALLATION.
	MANUFACTURER	ELKAY	--	#ELUHAD161655	CHICAGO FAUCET #201-A317ABCP	--	--	--	--	--	FAUCET - 2.2 GPM
CS-2	DESCRIPTION	UNDERMOUNTED CLASSROOM SINK	18 GAUGE STAINLESS STEEL	SINGLE BASIN SINK	FOOT PEDAL	--	1/2"	1/2"	1 1/2"	1 1/2"	PROVIDE CHICAGO FAUCET SPOUT #626-E29ABCP AND HAWS AXION EYEPD #7620.
	MANUFACTURER	ELKAY	--	#ELUHAD161655	CHICAGO FAUCET #625-LPABCP	--	--	--	--	--	PROVIDE ALL ACCESSORIES FOR A 100% COMPLETE INSTALLATION. FAUCET - 2.2 GPM
SHWR-1	DESCRIPTION	ADA EMERGENCY DRENCH SHOWER WITH EYEWASH	GALVANIZED STEEL WITH BRADTECT* SAFETY YELLOW COATING	COMBINATION UNIT	UNIT MOUNTED HANDLES	--	1"	1"	2"	--	PROVIDE BRADLEY NAVIGATOR #S19-2100 EFX25 EMERGENCY THERMOSTATIC MIXING VALVE - WATER PROVIDED TO SHOWER MUST BE TEPID PER ANSI Z358.1 STANDARDS. SEE FD-1 FOR SHOWER DRAIN.
	MANUFACTURER	BRADLEY	--	#S19314EW	(INCLUDED)	--	--	--	--	--	
DF-1	DESCRIPTION	WALL MOUNT ADA DRINKING FOUNTAIN	GALVANIZED STEEL	TWO STATION WATER COOLER	FLEXIBLE ONE-PIECE BUBBLER	--	--	1/2"	1 1/2"	1 1/2"	REFER TO ARCH. DRWG'S FOR MOUNTING HEIGHT.
	MANUFACTURER	ELKAY	--	#ZLTLVR8C	(INCLUDED)	--	--	--	--	--	PROVIDE ALL ACCESSORIES FOR A 100% COMPLETE INSTALLATION.
MR-1	DESCRIPTION	MOP RECEPTOR	TERRAZZO	DROP FRONT	MANUAL FAUCET - CHROME FINISH	--	1/2"	1/2"	3"	2"	PROVIDE HOSE 36" LONG WITH WALL HANGER (-K436), MOP HANGER WITH 3 GRIPS ON STAINLESS STEEL BRACKET (-KMH), AND (1) 24" WALL GUARD (-KWG).
	MANUFACTURER	ACORN	--	TDF-24	OPTION -KFC	--	--	--	--	--	
HYD-1	DESCRIPTION	NON-FREEZE WALL HYDRANT	CAST BRASS	WALL MOUNT HYDRANT WITH BOX	--	--	3/4"	--	--	--	UNIT SHALL HAVE CAST BRASS HINGED LATCHING COVER WITH SATIN NICKEL FINISH, INTEGRAL VACUUM BREAKER-BACKFLOW PREVENTER, AND CONTROL KEY. SEE NOTE #2.
	MANUFACTURER	PRIER	--	C-634N (HYDRANT) C-634BX1 (BOX)	--	--	--	--	--	--	
FD-1	DESCRIPTION	FLOOR DRAIN	CAST IRON	SQUARE ADJUSTABLE STRAINER	--	--	--	--	4"	2"	DRAINS SHALL HAVE OPTIONS LISTED: (-P050-B08-U-BHP-CP). SEE NOTE #1.
	MANUFACTURER	J. R. SMITH	--	#2005Y	--	--	--	--	--	--	

NOTES: MANUFACTURERS AND MODELS INDICATED ARE BASIS OF DESIGN, CONTRACTOR MAY SUBMIT EQUAL FOR APPROVAL.

- ALL FLOOR DRAINS (FD-1) SHALL HAVE TRAP PRIMERS (-P050 OPTION). AUTOMATIC TRAP PRIMER ON COLD WATER SUPPLY AT NEAREST FIXTURE AND RUN DRAIN TO TRAP SEAL BEING PROTECTED. PROVIDE ACCESS PANEL WHEN PRIMERS ARE INSTALLED IN WALLS. WHERE NO FIXTURE IS AVAILABLE, SEE DETAILS #10, #11, AND #12 ON DRAWING P-3.
- ALL WALLS CONTAINING WALL HYDRANT (HYD-1) SHALL HAVE WALL THICKNESS MEASURED BEFORE UNITS ARE ORDERED.
- FIXTURES LABELED DW (DISHWASHER), IM (ICE MAKER), AND CM (COFFEE MAKER) SHALL BE SELECTED BY ARCHITECT. PLUMBING CONTRACTOR IS TO ONLY CONNECT HOT WATER AND SANITARY TO THE DISHWASHER, ONLY COLD WATER TO THE ICE MAKER, AND ONLY COLD WATER TO THE COFFEE MAKER.

BACKFLOW PREVENTER SCHEDULE					
MARK	MANUFACTURER	SIZE	MAX. PRESSURE DROP	SERVING	REMARKS
BFP-1	WATTS	2 1/2"	16 PSI	DOMESTIC WATER SERVICE	MODEL 957. SEE DETAILS #1 & #2 ON DRAWING P-2. MAINTAIN REQUIRED CLEARANCES PER WISCONSIN STATE CODE & DEPARTMENT OF HEALTH REGULATIONS.
BFP-2	WATTS	4"	10 PSI	FIRE PROTECTION SERVICE	DCDA TO BE INSTALLED BY FIRE PROTECTION CONTRACTOR. SEE FIRE PROTECTION DRAWINGS FOR WATER ROOM LAYOUT INSTRUCTIONS.

DOMESTIC WATER HEATER SCHEDULE												
Designation	Capacity (gallons)	Recovery (gal's./hr. @ 100° F. rise)	First Hour Rating (Gallons)	Fuel Data			Physical Data			Controls	Remarks	
				Efficiency	Type	Input (BTU/Hr.)	R Value	Dia.	Height			Vent Outlet & Inlet
WH-1	119	460	543	96%	Natural Gas	399,900	N/A	33 3/4"	75 3/4"	4"	Built-in Adjustable Thermostat	1, 2, 3, 4, 5, & 6

NOTES:
1. WATER HEATER SELECTION BASED ON: AO SMITH "CYCLONEXMI MODULATING" BTH-400 Mxi.
2. PLUMBING CONTRACTOR SHALL PROVIDE MANUFACTURER'S CONCENTRIC VENT KIT (OF VENT SIZE SHOWN IN SCHEDULE) FOR HEATER'S DISCHARGE THROUGH THE ROOF. o. MAINTAIN A MINIMUM OF 10'-0" BETWEEN VENT DISCHARGE LOCATION AND HVAC OUTSIDE AIR LOCATIONS.
3. PIPE RELIEF VALVE OUTLET TO INDIRECT DRAIN OR FLOOR DRAIN USING FULL SIZE TYPE 'L' COPPER PIPING.
4. PROVIDE EXPANSION TANK TO MATCH WATER HEATERS.
5. PROVIDE ALL RELATED PUMPING/PIPING ETC FOR A 100% COMPLETE INSTALLATION.
6. SEE DETAILS #4, #5, #6, AND #7 ON DRAWING P-2. OTHER ACCEPTABLE MANUFACTURER: BRADFORD WHITE.

GENERAL PLUMBING NOTES

- GENERAL NOTES ARE APPLICABLE TO ALL PLUMBING WORKING DRAWINGS.
- THE WORK SHALL BE EXECUTED IN STRICT CONFORMITY WITH BASE BUILDING SPECIFICATION AND WITH THE LATEST EDITION OF THE PREVAILING LOCAL PLUMBING AND BUILDING CODES AND ALL LOCAL REGULATIONS THAT MAY APPLY. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE THE MORE STRINGENT STANDARD SHALL APPLY.
- ALL PLUMBING WORK SHALL BE COORDINATED WITH ALL OTHER TRADES BEFORE PROCEEDING WITH INSTALLATION.
- NO CHANGES ARE TO BE MADE IN PLUMBING LAYOUT WITHOUT WRITTEN PERMISSION BY THE ENGINEER OF RECORD.
- NO PIPING SHALL RUN EXPOSED IN FINISHED AREAS.
- PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR PAYING RELATED FEES.
- ROUGH-IN DIMENSIONS OF TOILET FIXTURES MUST BE COORDINATED WITH GENERAL CONTRACTOR AND FIELD SUPERVISOR.
- INSTALL BALL VALVES ON ALL BRANCH SUPPLY LINES.
- PROVIDE ACCESS PANELS ON ALL INACCESSIBLE VALVES AND CLEANOUTS. ACCESS PANELS SHALL BE PROVIDED BY PLUMBING CONTRACTOR AND CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR LOCATION. MOUNT SHUT-OFF VALVES NO HIGHER THAN 12'-8" AFF.
- ALL WORK SHALL BE PROPERLY TESTED, BALANCED AND CLEANED. PROVIDE A ONE YEAR WARRANTY FROM DATE OF FINAL INSPECTION ON ALL PARTS AND LABOR.
- FOLLOW PDI STANDARDS FOR WATER HAMMER ARRESTORS.
- ALL FIXTURES TO BE SUPPLIED & INSTALLED BY PLUMBING CONTRACTOR.
- GENERAL CONTRACTOR SHALL COORDINATE WATER METER LOCATION AND INSTALLATION WITH LOCAL AUTHORITIES AND SITE DRAWINGS IF NOT EXISTING.
- PROVIDE BUILDING WATER AND GAS SERVICE LINES 5'-0" FROM BUILDING LINE, OR INSIDE BUILDING FROM OUTLET SIDE OF METER AS SHOWN ON SITE PLAN. COORDINATE EXACT LOCATION WITH SITE DRAWINGS AND AT JOB SITE. PROVIDE BACKFLOW PREVENTER AS REQUIRED BY LOCAL AUTHORITIES FOR WATER SERVICE.
- SANITARY SEWER PIPING SHOWN IS BASED ON 0.125"/FT FOR 3"-6" & 0.25"/FT FOR 2 1/2" OR LESS FOR ALL PIPING. COORDINATE BUILDING SEWER LOCATION AND INVERT ELEVATION WITH SITE DRAWINGS.
- TRAP SEAL PRIMERS ARE TO BE PROVIDED AT ALL FLOOR DRAIN LOCATIONS.

BUILDING NATURAL GAS LOAD

GAS NOTES:

GAS METER - PLUMBING CONTRACTOR TO COORDINATE GAS METER INSTALLATION WITH UTILITY COMPANY. SEE DETAIL #1 ON DRAWING P-1.

PROVIDE GAS SHUT-OFF VALVE AND UNION UPSTREAM AND DOWNSTREAM OF GAS METER.

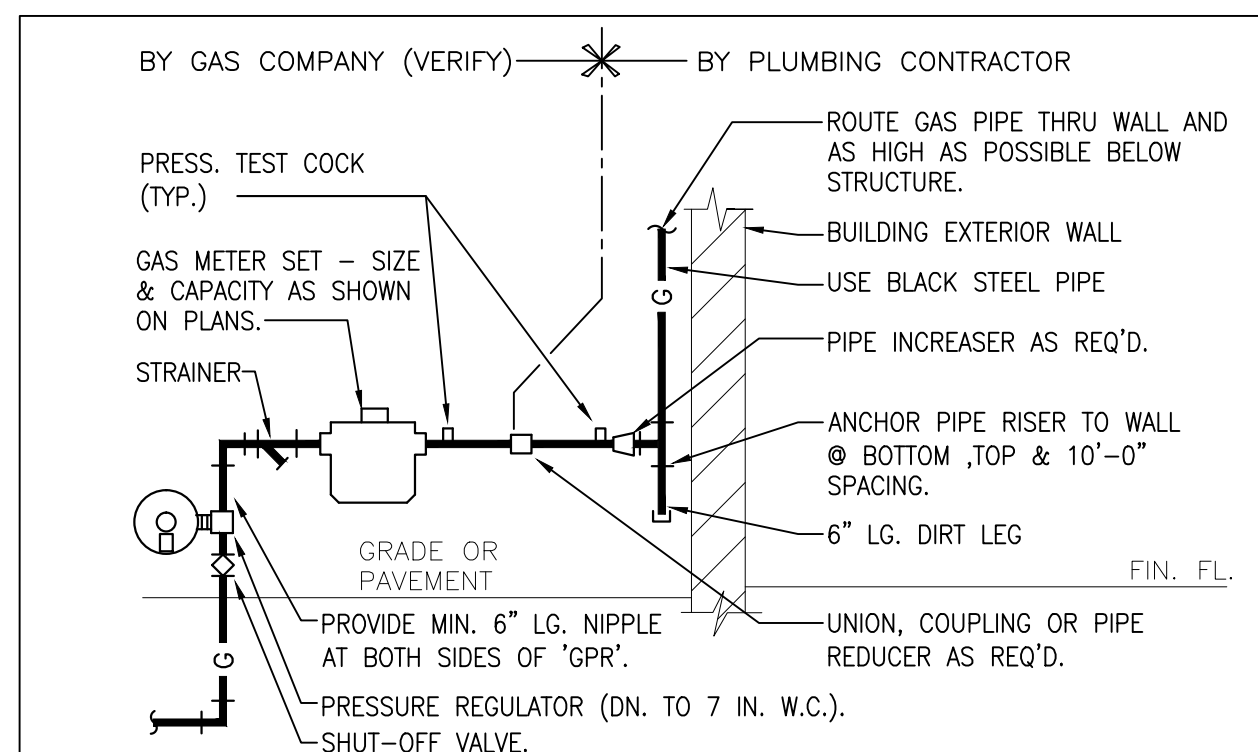
GAS LINE SIZED BASED ON 300'-0" OF LENGTH AT A 0.5 PRESSURE LOSS (INCHES OF WATER).

GAS PROVIDED AT 7" WC DOWNSTREAM OF GAS METER. REFER TO GAS CONNECTION DETAILS ON DRAWINGS.

MAKE FINAL GAS CONNECTION TO EQUIPMENT PER NFPA-54 AND WISCONSIN STATE GAS CODE.

GAS LOAD:

2,059,900 BTU/hr



NOTE:
VERIFY REQUIREMENTS FOR METERING AND PIPING WITH GAS COMPANY. PLUMBING CONTRACTOR SHALL PAY ALL GAS COMPANY FEES FOR INSTALLATION. USE WELDED OR SCREWED PIPE AND FITTINGS PER PLUMBING SPECS. GAS COMPANY SHALL EXCAVATE, BACKFILL AND REPAIR ANY PAVING OR SOD FOR GAS SERVICE LINE INSTALLATION FROM MAIN TO BUILDING. PAINT EXPOSED METAL GAS PIPE, FITTINGS. REFER TO ARCHITECTURAL PLANS FOR ARCHITECTURAL PAINT COLOR.

HI. PRESS. GAS SVC. W/MTR. SET AND REGULATOR PIPING DETAIL

SCALE: NONE

BUILDING DOMESTIC WATER LOADS

BUILDING LOAD	134 WSFU
TOTALS	134 WSFU
FUTURE LOADS	x 1.1
	147.4 WSFU
BUILDING TOTAL	+/- 5 WSFU
	(79 GPM = 2 1/2" WATER LINE, REQUEST 2 1/2" DOMESTIC WATER LINE AT 70 PSI)

WSFU WATER SUPPLY FIXTURE UNITS

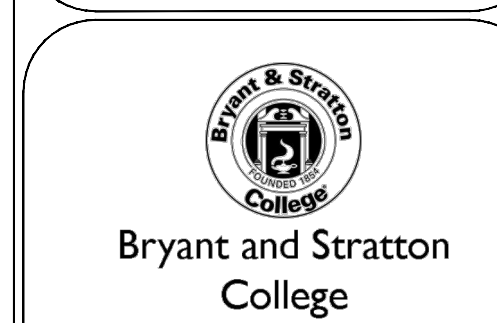
LEGEND

---	SANITARY SEWER (SS)	
---	ST	STORM WATER PIPING (ST)
---	OSt	OVERFLOW STORM WATER PIPING (OSt)
----- u -----	UNDERGROUND PIPING (U)	
-----	DOMESTIC COLD WATER (CW)	
-----	HOT WATER RECIRCULATING (HWR)	
-----	DOMESTIC HOT WATER (HW)	
---	EX	EXISTING PIPING
-----	V	SANITARY VENT (V)
---	GAS PIPING	
---	COMPRESSED AIR PIPING	
---	PD	PUMPED DISCHARGE
---	U	UNION
---	PC	PLUG COCK
---	E	ELBOW - TURNED DOWN
---	E	ELBOW - TURNED UP
---	T	TEE - TURNED DOWN
---	T	TEE - TURNED UP
---	V	VALVE
---	M	MIXING VALVE
---	R	CONCENTRIC REDUCER
---	I	INCREASER
---	B	BACKFLOW PREVENTER - REDUCED PRESSURE ZONE
---	B	BACKFLOW PREVENTER - DOUBLE CHECK VALVE TYPE
---	B	BALL VALVE
---	C	CHECK VALVE
---	S	SHUT-OFF VALVE IN VERTICAL LINE
---	R	GAS PRESSURE REGULATOR
---	T	TEMP. & PRESS. RELIEF VALVE
---	RD/ORD	ROOF DRAIN/OVERFLOW DRAIN
---	FD	FLOOR DRAIN
---	P	PUMP
---	FCO	FLOOR CLEANOUT
---	GCO	GROUND CLEANOUT
---	HB	HOSE BIBB
---	WH	WALL HYDRANT - ALSO SHOWN AS HYD
---	WCO	WALL CLEANOUT
---	CO	CLEANOUT
---	WA	WATER HAMMER ARRESTOR
---	CAP	CAP/PLUG
---	PC	POINT OF CONNECTION - NEW TO EXISTING
---	CB	CALIBRATED BALANCING VALVE
---	AAV	AUTOMATIC AIR VENT (AAV)

FD	FLOOR DRAIN	HW	HOT WATER
ORD	OVERFLOW ROOF DRAIN	CW	COLD WATER/CITY WATER
TYP.	TYPICAL	GC	GENERAL CONTRACTOR
DN	DOWN	FCO	FLOOR CLEANOUT
VTR	VENT THRU ROOF	CONT.	CONTINUATION
U/F	UNDER FLOOR	I.E.	INVERT ELEVATION
AD	ACCESS DOOR	CD	CONDENSATE DRAIN
SS	SANITARY SEWER	MV	MIXING VALVE
V	PLUMBING VENT	WC	WATER COLUMN
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING	WHA	WATER HAMMER ARRESTOR
RPDA	REDUCED PRESSURE DETECTOR ASSEMBLIES	VFB	VENT UP FROM BELOW
CI	CAST IRON	N/A	NOT APPLICABLE
MC	MECHANICAL CONTRACTOR	PC	PLUMBING CONTRACTOR
FLR.	FLOOR	DRWG.	DRAWINGS
FLRS.	FLOORS	DRWG.	DRAWING
VBF	VENT BELOW FLOOR	AFF	ABOVE FINISHED FLOOR
F/#	FOR (# OF ITEMS)	AAV	AIR ADMITTANCE VALVE & AND
LAV	LAVATORY	SHWR	SHOWER
GSS	GREASE SANITARY SEWER	SHWRS	SHOWERS
		LAVS	LAVATORIES

REVISION RECORD		
NO.	DATE	REMARKS

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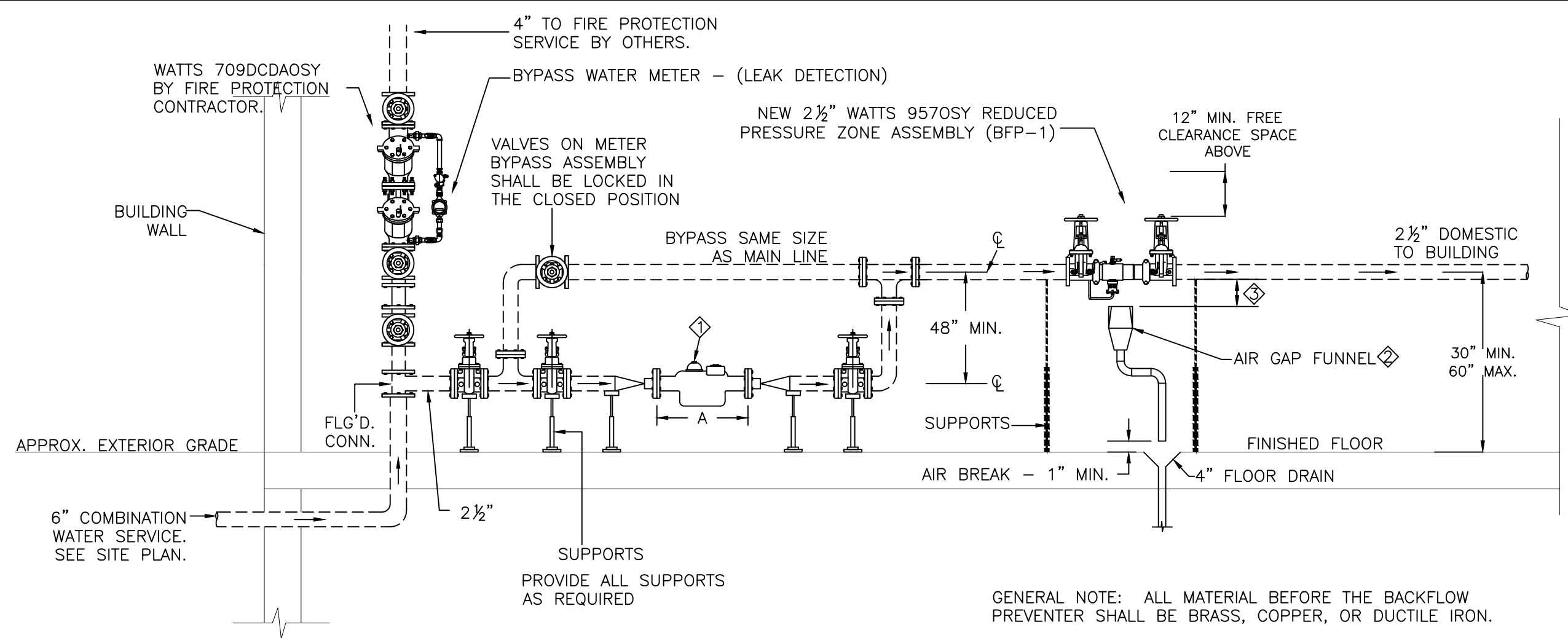
BRYANT & STRATTON COLLEGE
1320 Warwick Way
Mt. Pleasant, WI 53406

SEAL:
GREGORY A. TOMSIC
REGISTERED ARCHITECT

PLUMBING LEGENDS, SCHEDULES, & DETAILS

GREGORY A. TOMSIC
REGISTERED ARCHITECT
145 BATHURST DR., TONAWANDA, N.Y. 14150
716-455-0617

SCALE	JOB NO.
DRAWN	DWG. NO.
CHECKED	P-1
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12.22.2017	



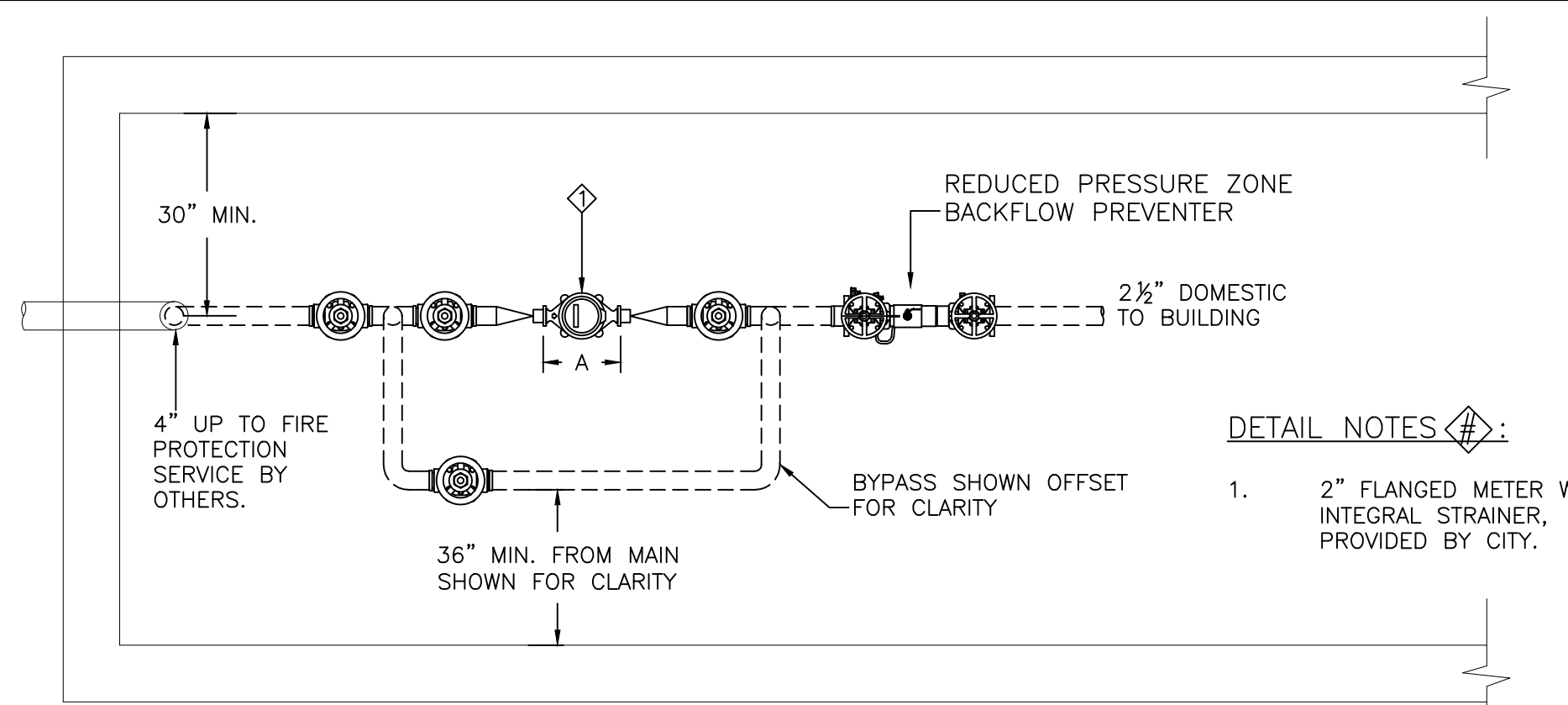
DETAIL NOTES

- 2" FLANGED METER WITH INTEGRAL STRAINER, PROVIDED BY CITY.
- AIR GAP FUNNEL DIAMETER SHALL BE AT LEAST TWO TIMES THE ACTUAL DIAMETER OF THE RPZ RELIEF VALVE OPENING AND NOT LESS THAN 3" DIAMETER.
- 2" MINIMUM OR TWO TIMES THE RPZ DISCHARGE OPENING.

DIMENSIONS AND CLEARANCES				
WATER METER TYPE	WATER METER SIZE (INCHES)	LENGTH WATER METER "A" (INCHES)	INSTALLATION HEIGHT ABOVE FLOOR	MINIMUM CLEARANCE PIPE TO WALL (INCHES)
DISPLACEMENT	2"	17"	18" MINIMUM, 40" MAXIMUM	24"

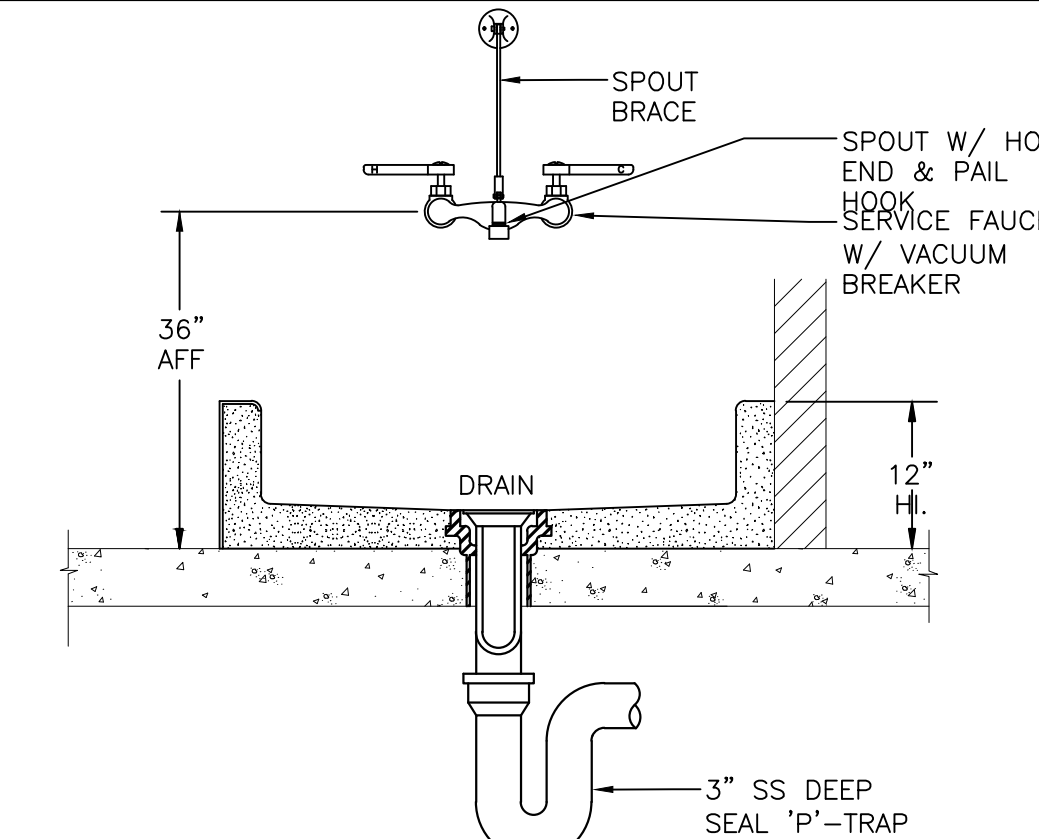
DOMESTIC WATER METER SET AND RPZ TYPE BACKFLOW PREVENTER DETAIL

1 P-2 SCALE: NONE



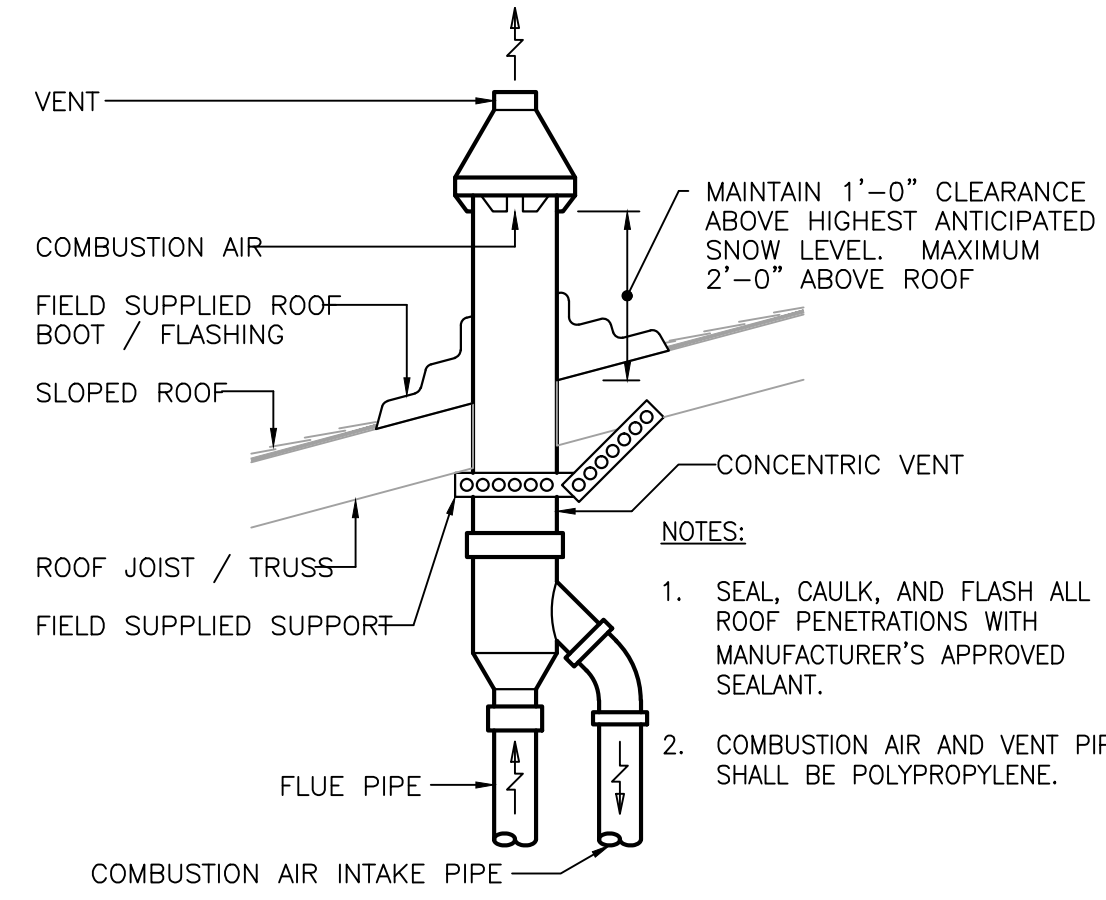
DOMESTIC WATER METER SET, RPZ TYPE BACKFLOW PREVENTER PLAN VIEW

2 P-2 SCALE: NONE



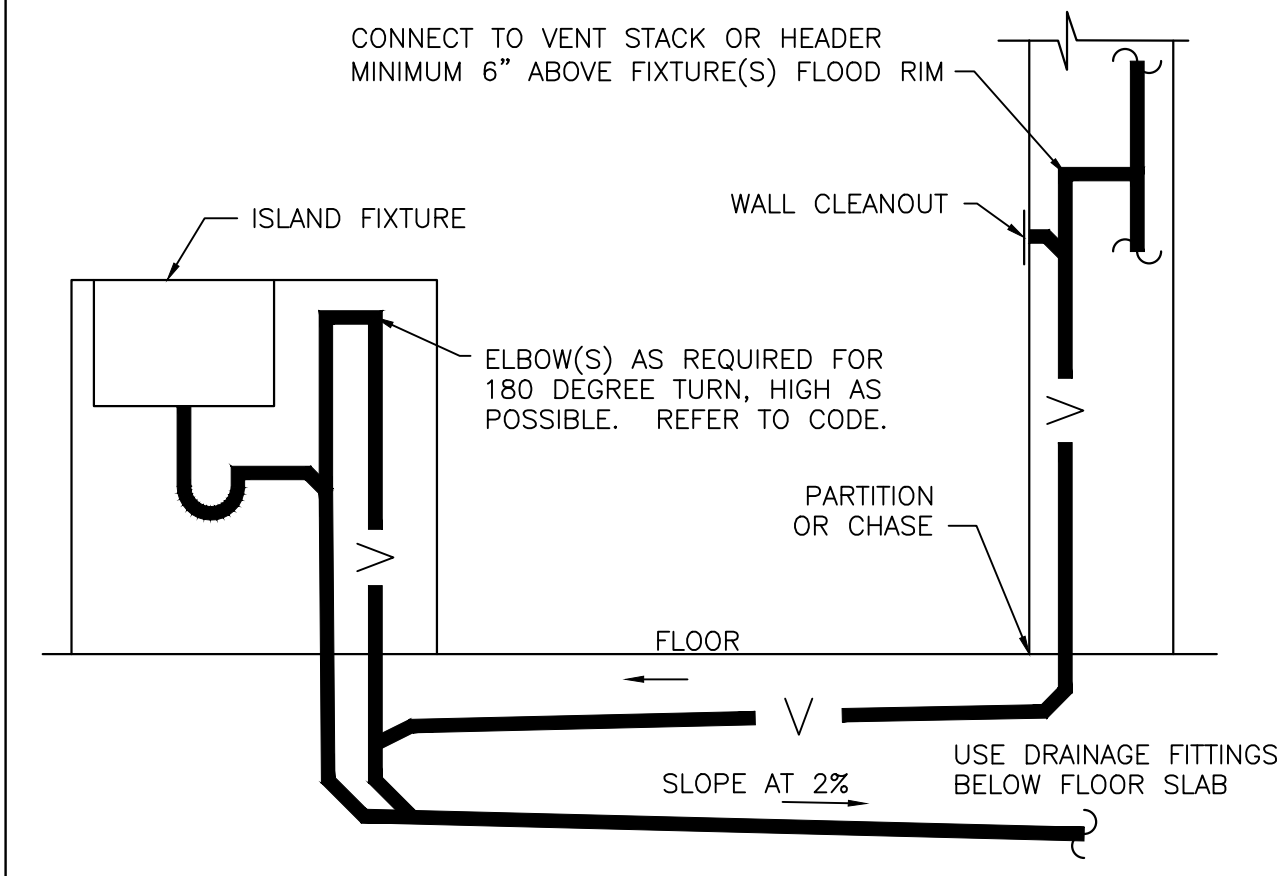
MOP RECEPTOR DETAIL

3 P-2 SCALE: NONE



CONCENTRIC VENT THRU ROOF DETAIL

7 P-2 SCALE: NONE



ISLAND FIXTURE DETAIL

9 P-2 SCALE: NONE

ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST AS REQUIRED TO SUIT ACTUAL CONDITIONS. REFER TO FLOOR PLANS, PROVIDE SIMILAR SEPARATE SYSTEM FOR EACH FIXTURE. REFER TO LOCAL CODE FOR OTHER INFORMATION.

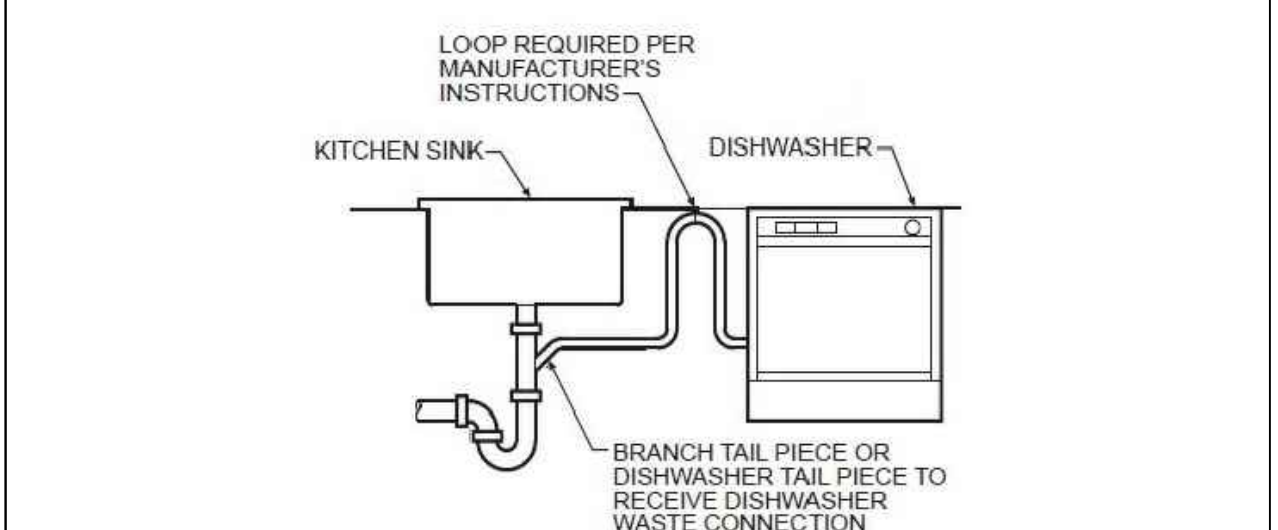
WATER HAMMER REQUIREMENTS

PC TO PROVIDE WATER HAMMER ARRESTERS BY MIFAB, PRECISION PLUMBING PRODUCTS, WATTS OR APPROVED EQUIVALENT WITH PISTON AND O-RING CONSTRUCTION, HAVING PDI #WH-201, ASSE #1010 AND ANSI #A112.26.1M CERTIFICATION. INSTALL IN HORIZONTAL OR VERTICAL POSITION, BUT NEVER UPSIDE DOWN. INSTALL IN LINE WITH WATER FLOW DIRECTION IF POSSIBLE. SIZE THE UNITS AS SHOWN ON THE DRAWINGS AND/OR PER THE TABLES SHOWN ABOVE.

PDI SIZE "A"	PIPE SIZE	FIXTURE UNIT LOAD	FIXTURE UNIT TABULATION	
			COLD	HOT
A	1/2"	1-11	10	---
B	3/4"	12-32	5	---
C	1"	33-60	5	---
D	1 1/4"	61-113	1.5	1.5
E	1 1/2"	114-154	3	3
F	2"	154-330	2	2

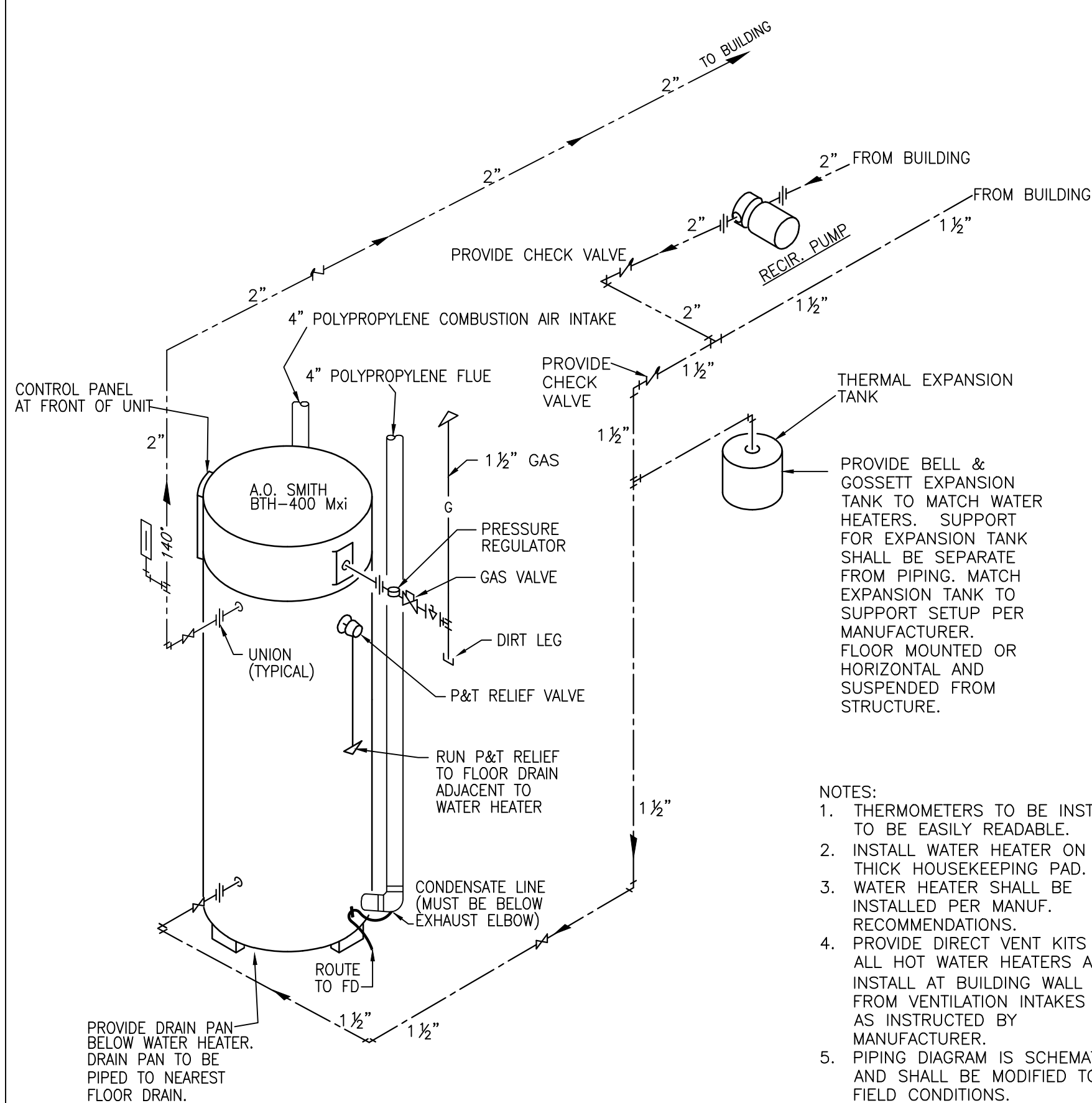
WATER HAMMER REQUIREMENTS

8 P-2 SCALE: NONE



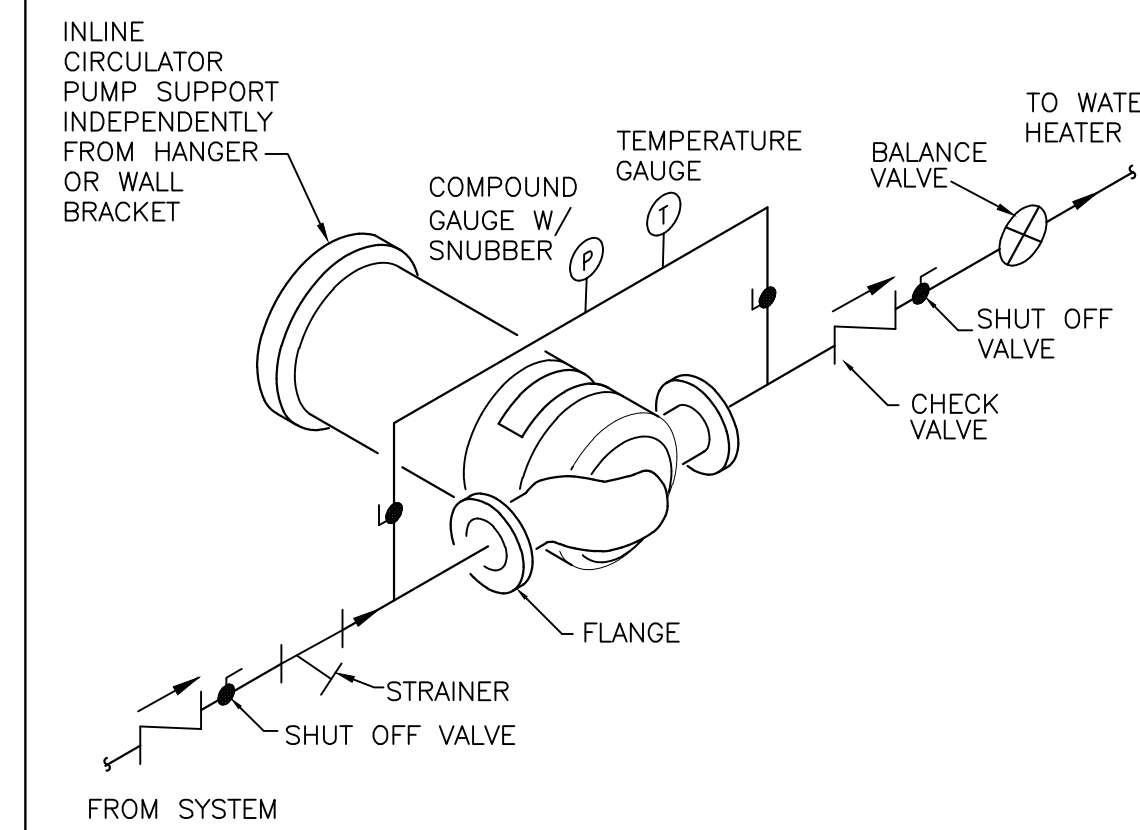
DISHWASHER SANITARY CONNECTION DETAIL

10 P-2 SCALE: NONE



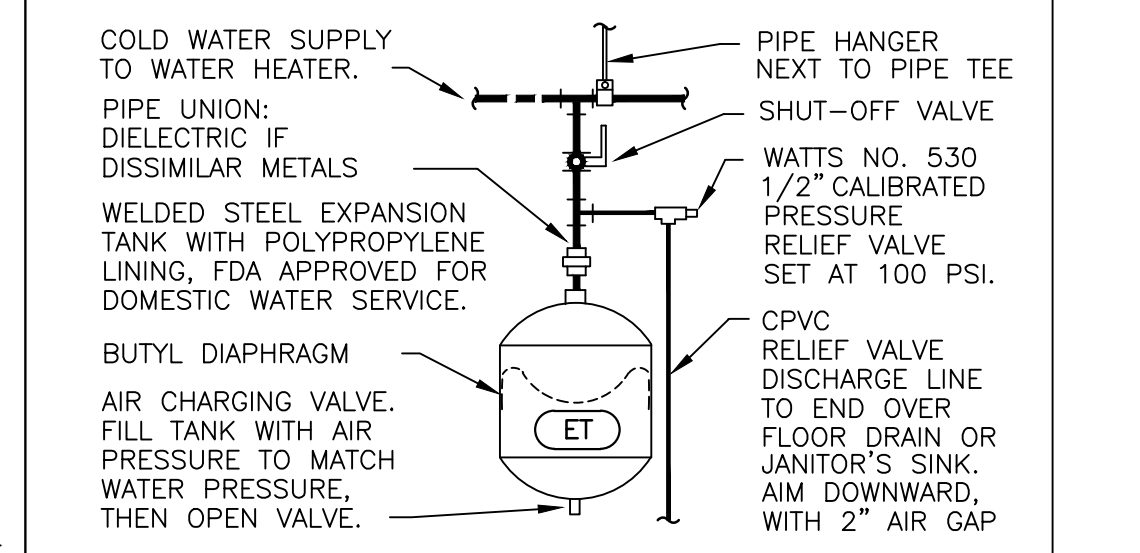
GAS HOT WATER HEATER DETAIL

4 P-2 SCALE: NONE



DOMESTIC HOT WATER CIRCULATION INLINE PUMP PIPING DETAIL

5 P-2 SCALE: NONE



EXPANSION TANK DETAIL

6 P-2 SCALE: NONE

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Bryant and Stratton College

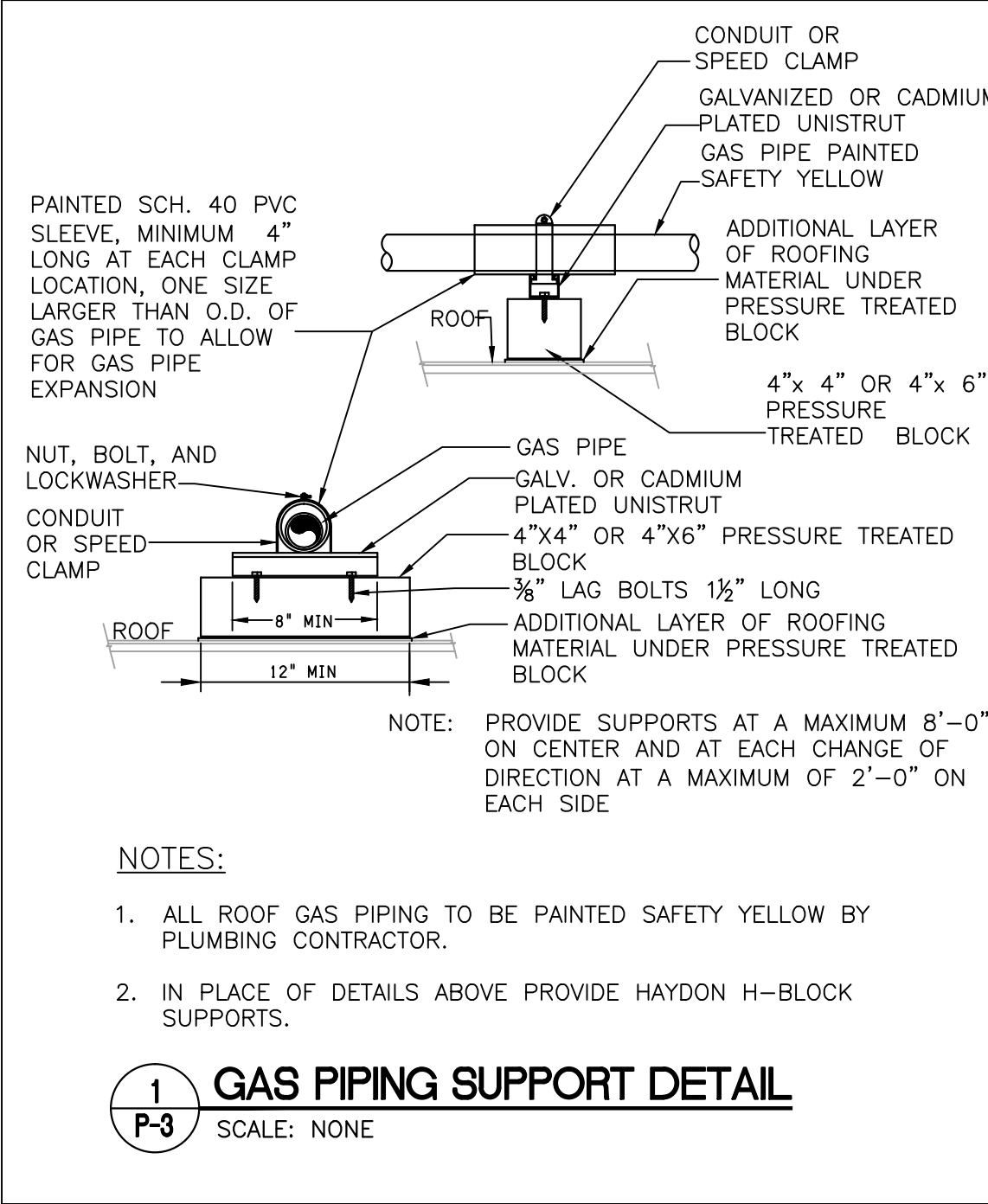
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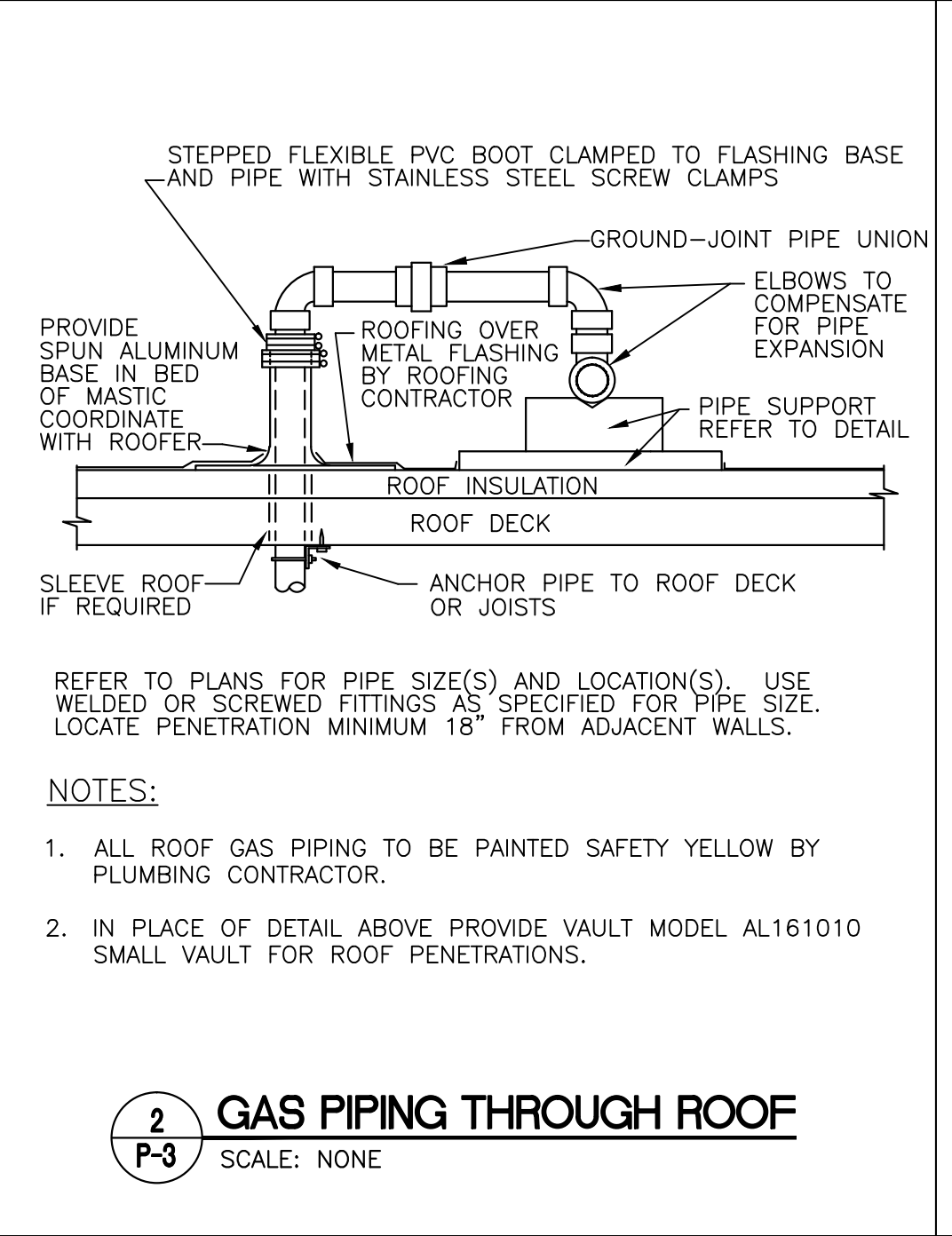
PLUMBING DETAILS CONTINUED

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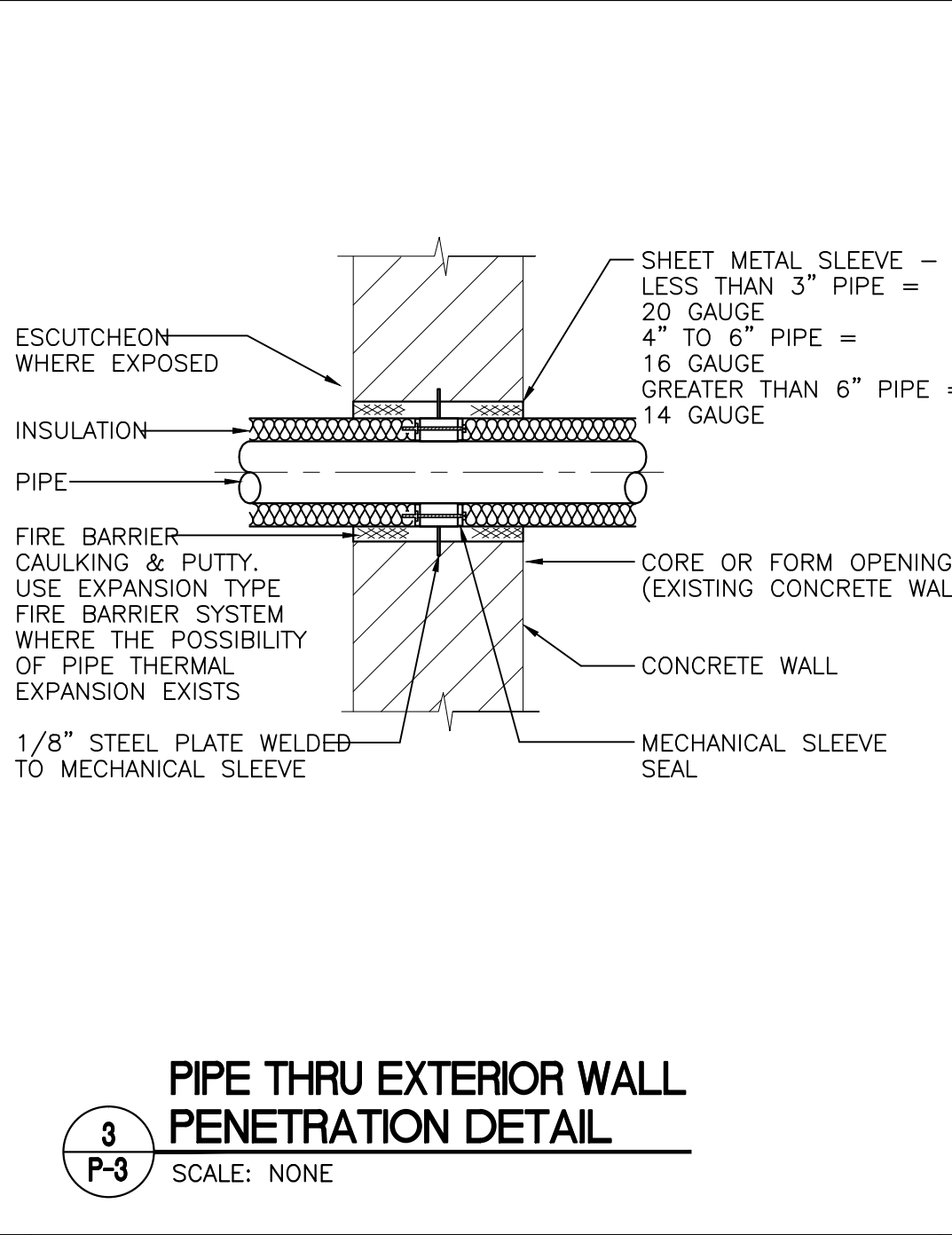
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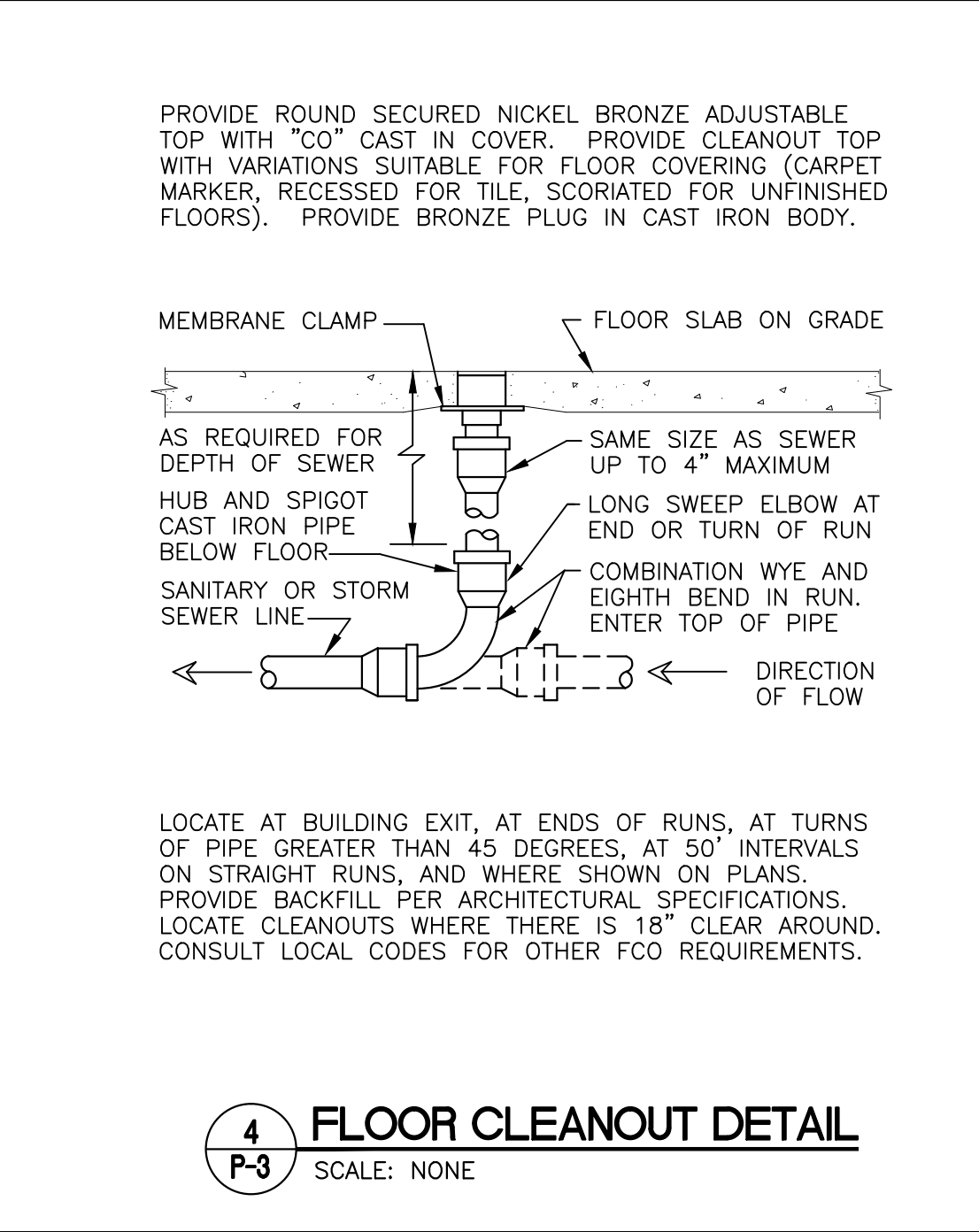
1 GAS PIPING SUPPORT DETAIL
SCALE: NONE



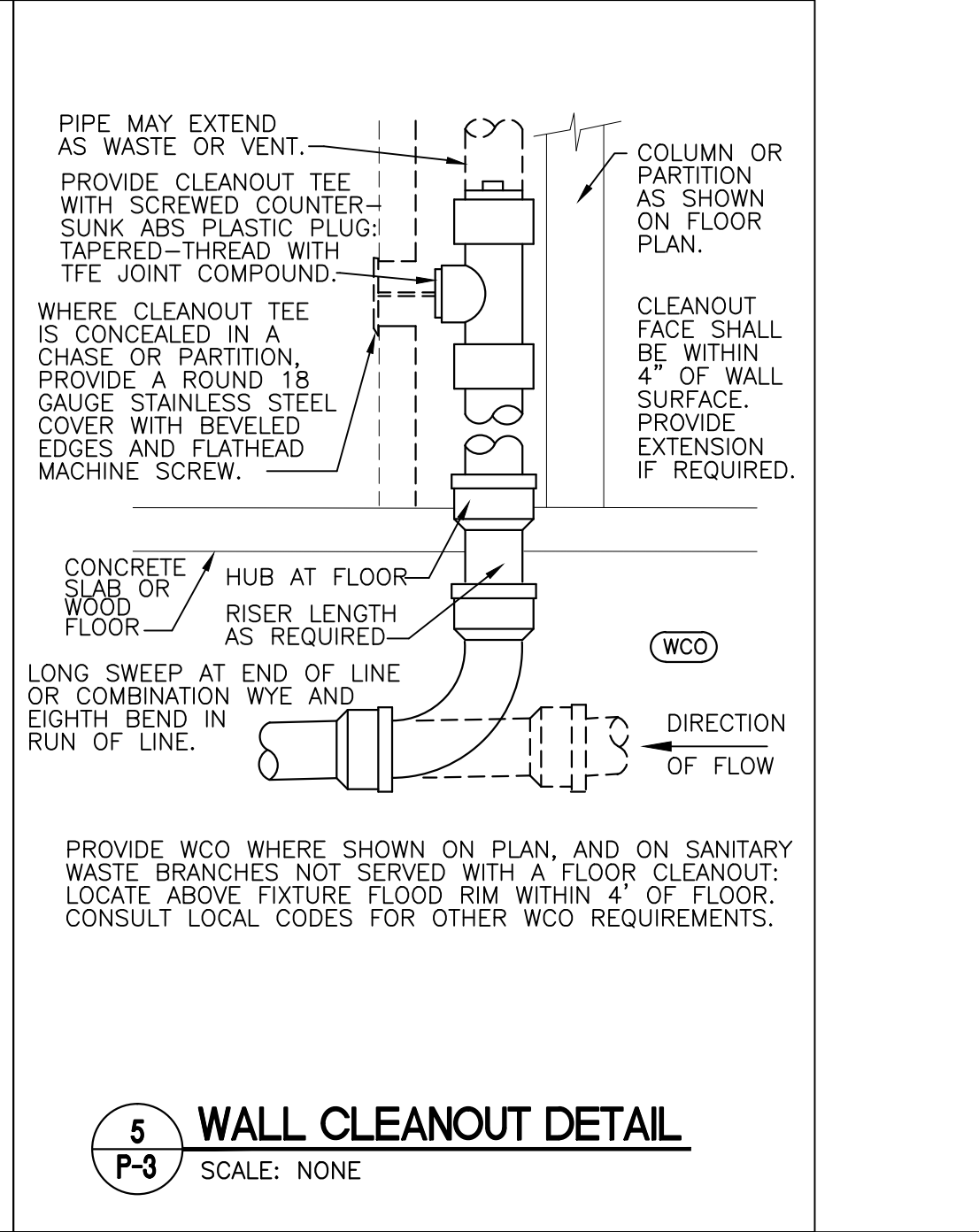
2 GAS PIPING THROUGH ROOF
SCALE: NONE



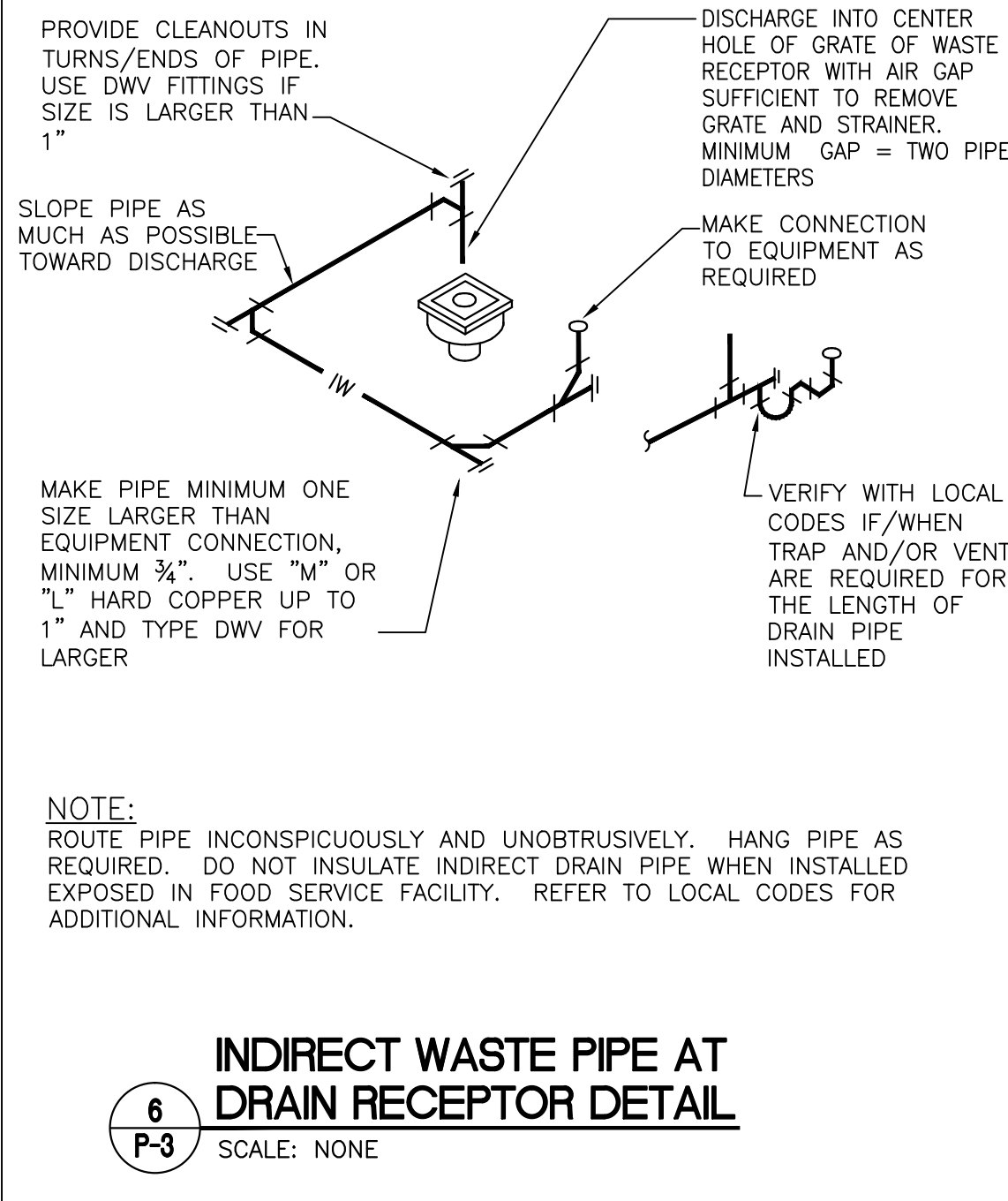
3 PIPE THRU EXTERIOR WALL PENETRATION DETAIL
SCALE: NONE



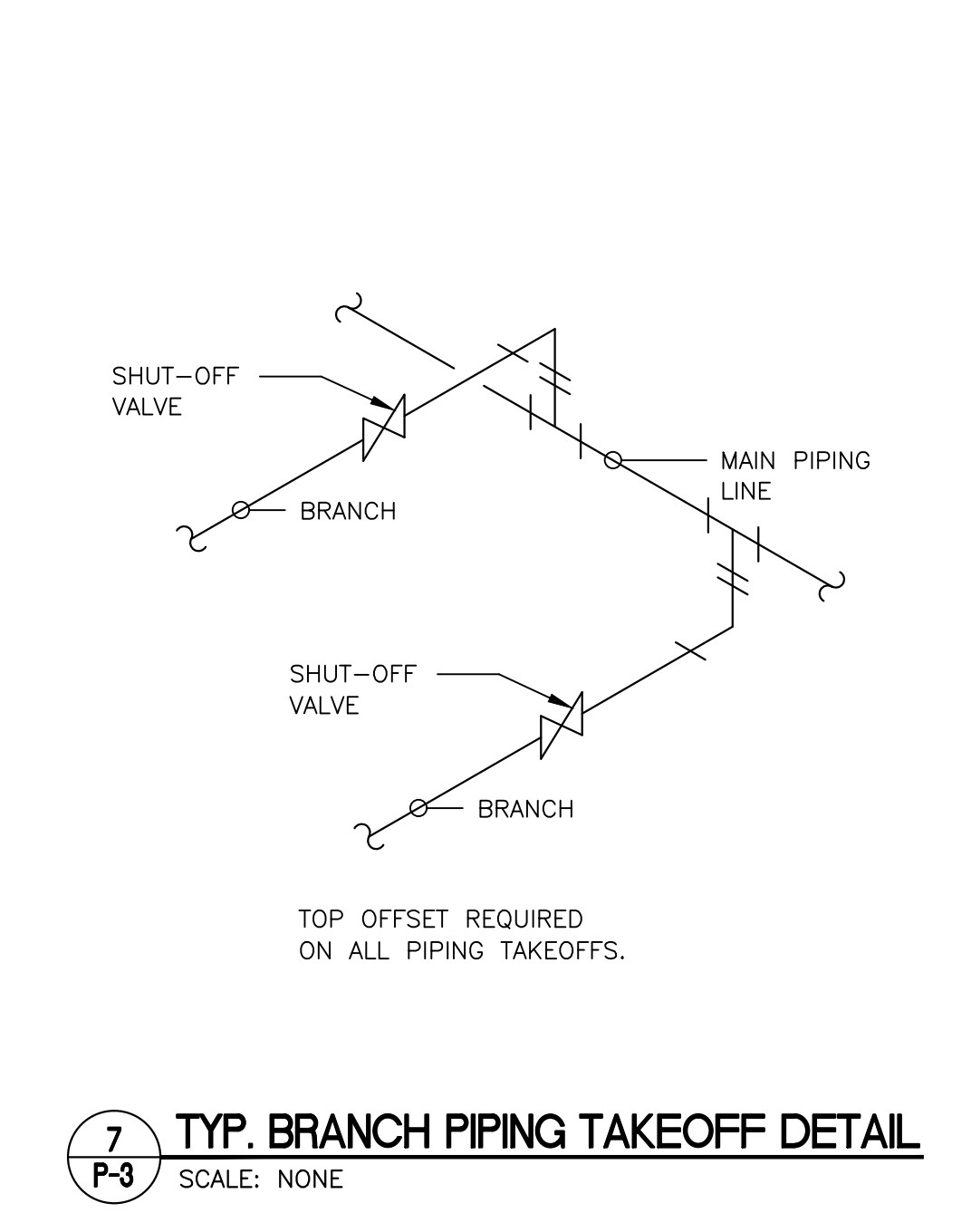
4 FLOOR CLEANOUT DETAIL
SCALE: NONE



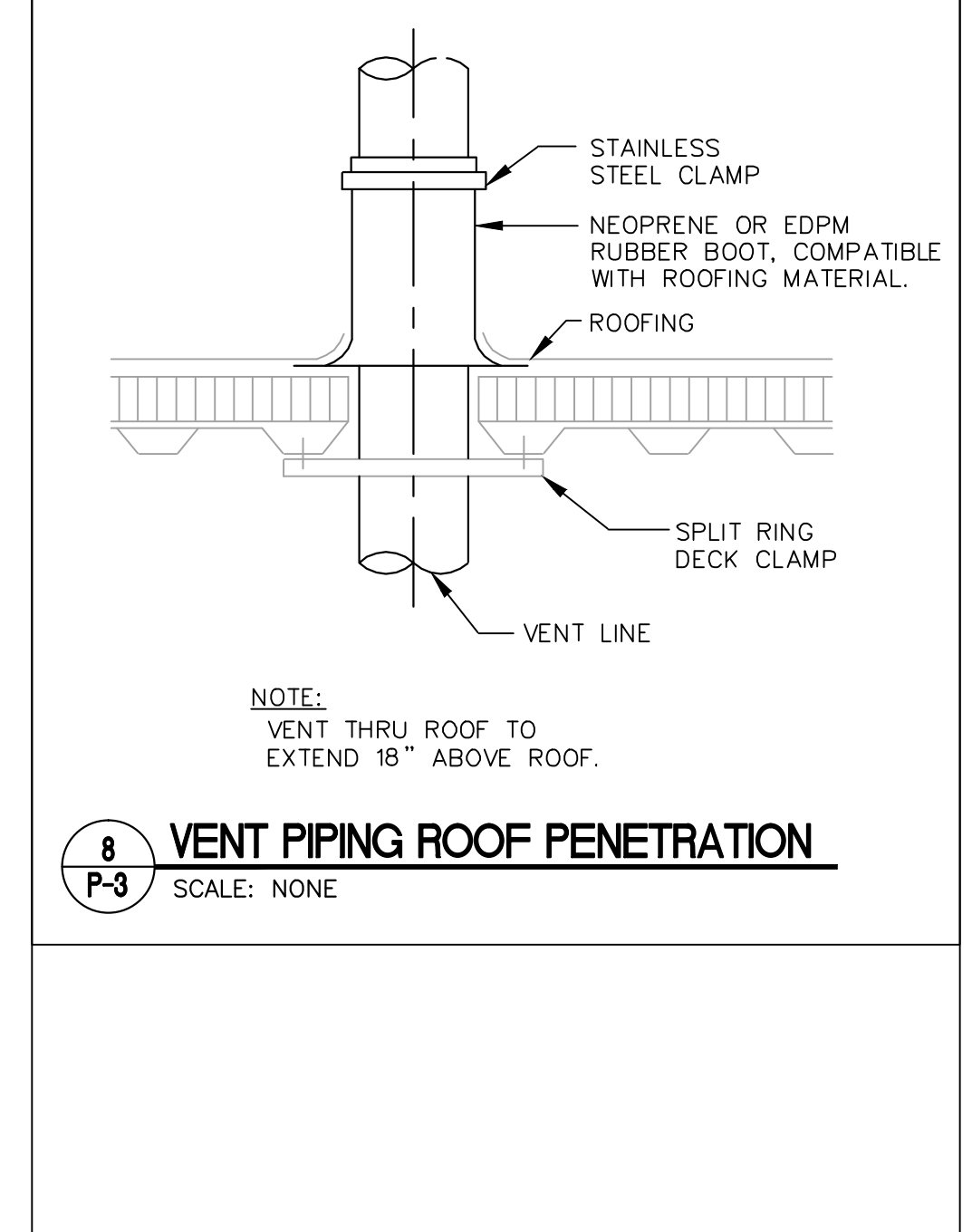
5 WALL CLEANOUT DETAIL
SCALE: NONE



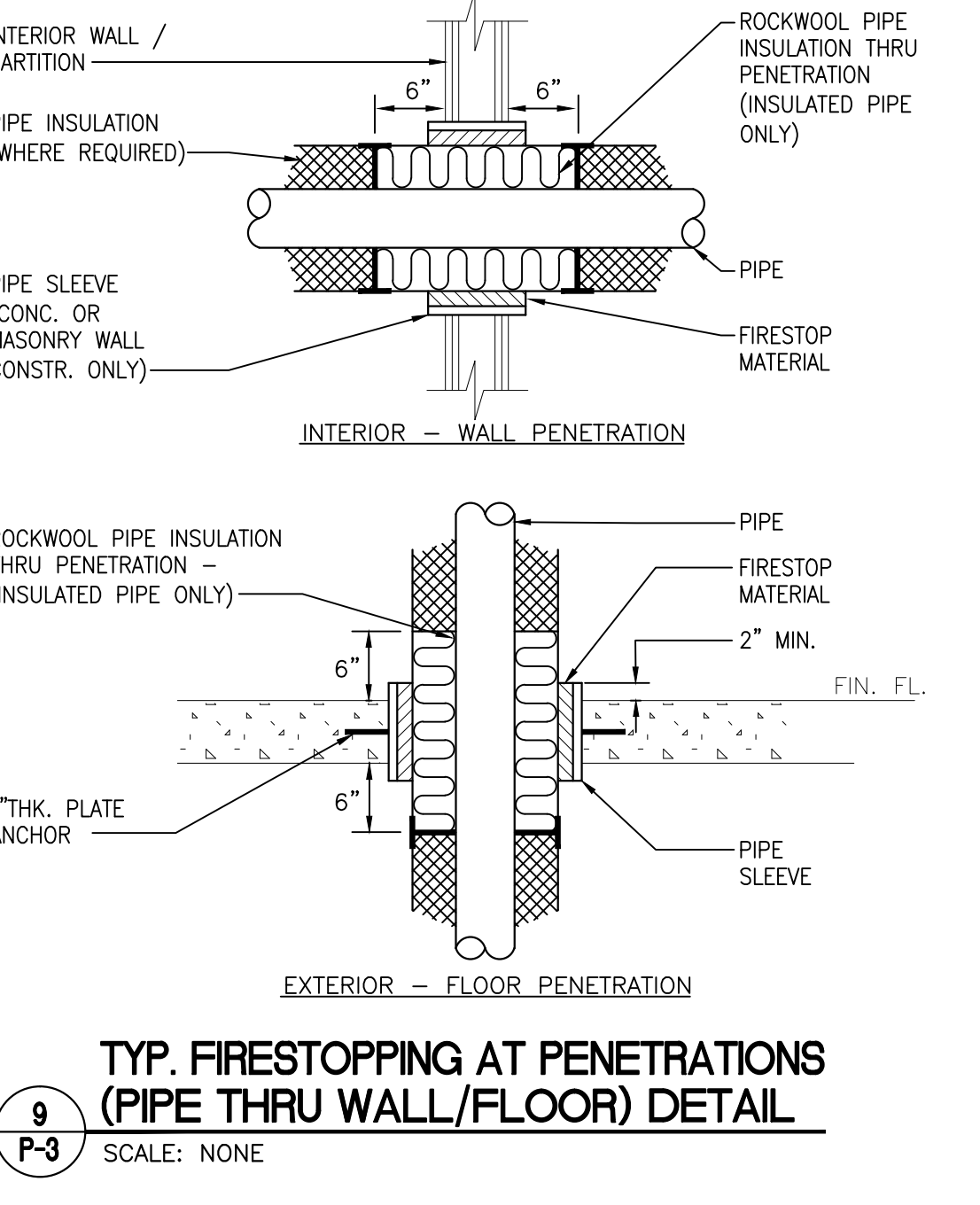
6 INDIRECT WASTE PIPE AT DRAIN RECEPTOR DETAIL
SCALE: NONE



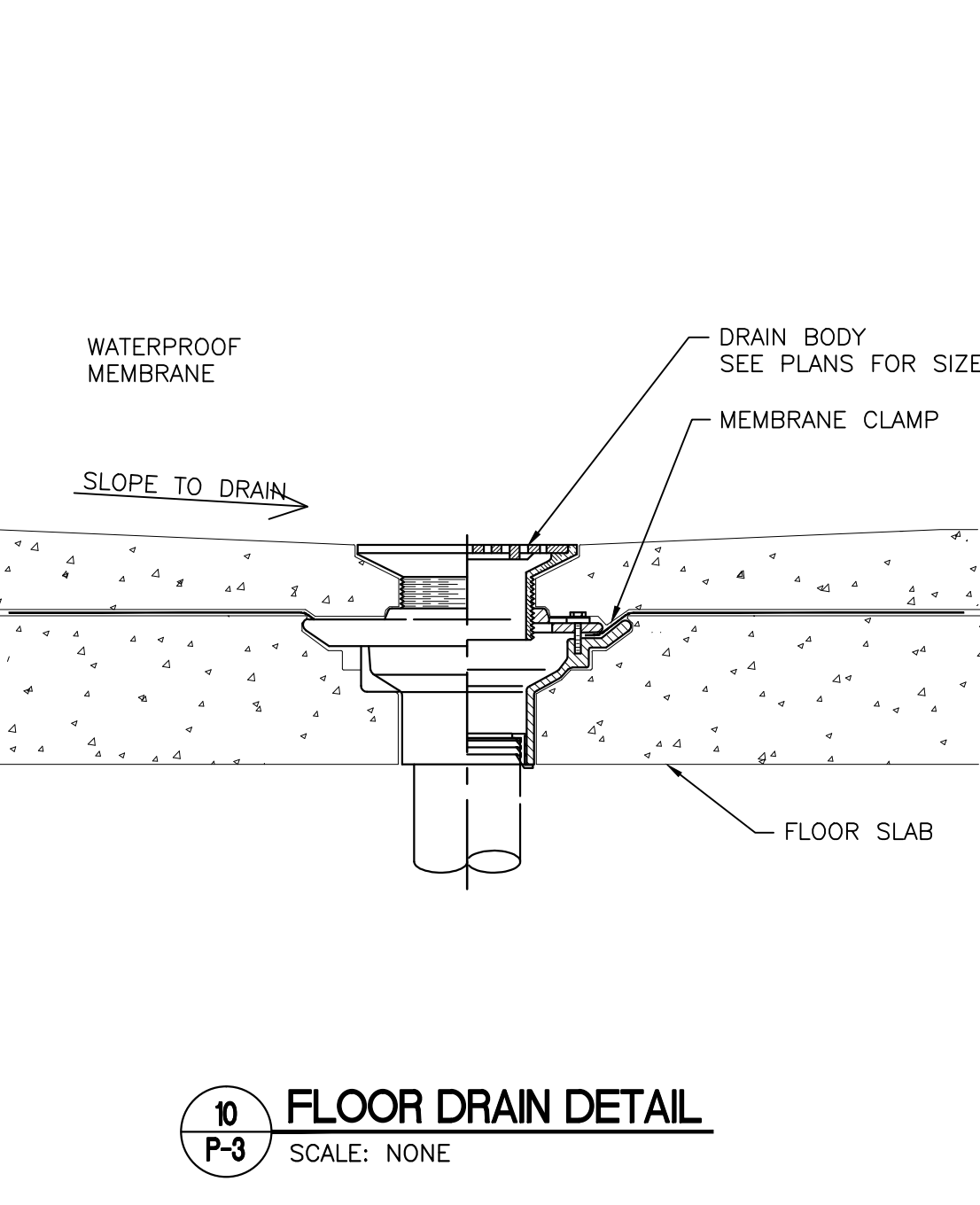
7 TYP. BRANCH PIPING TAKEOFF DETAIL
SCALE: NONE



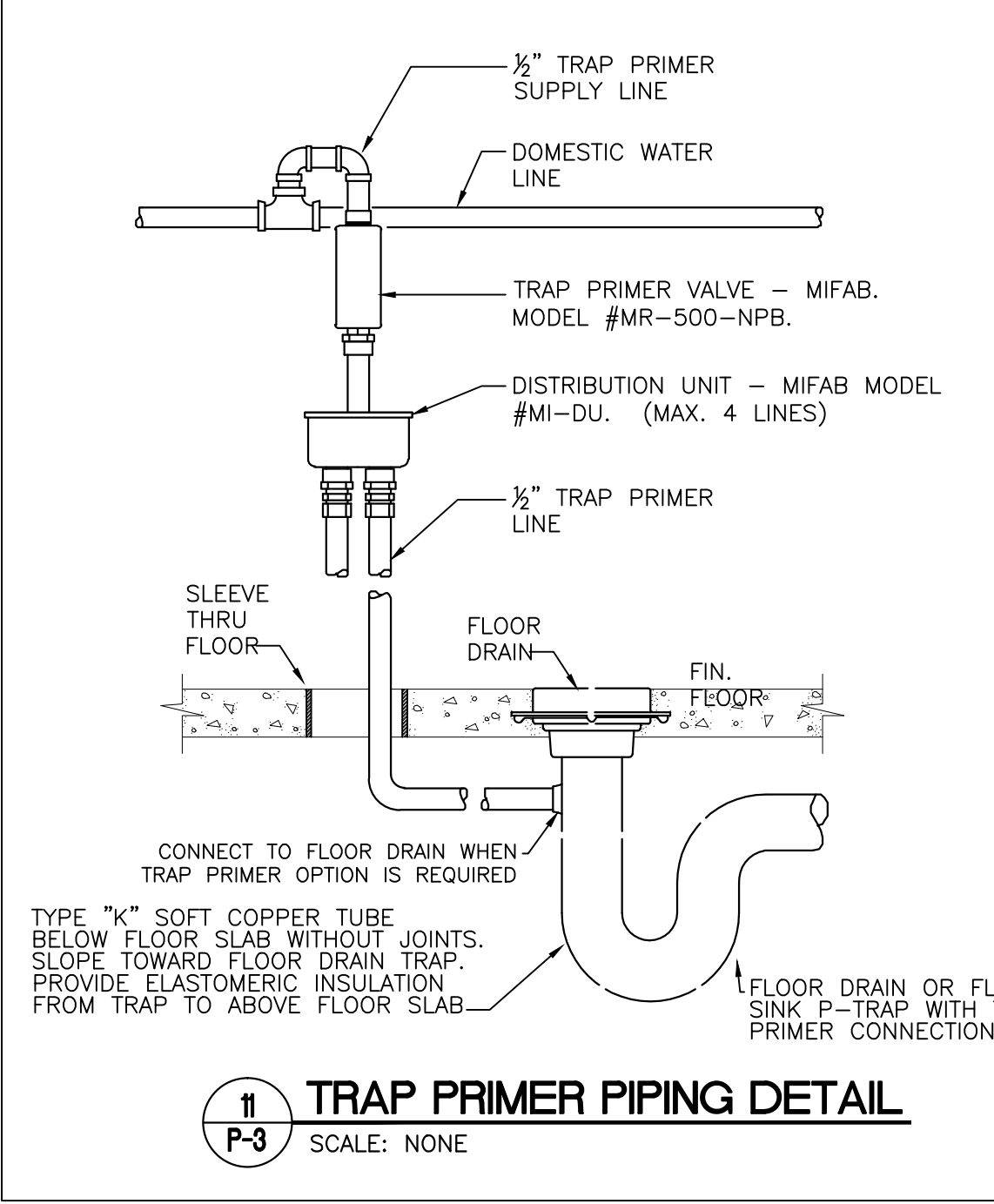
8 VENT PIPING ROOF PENETRATION
SCALE: NONE



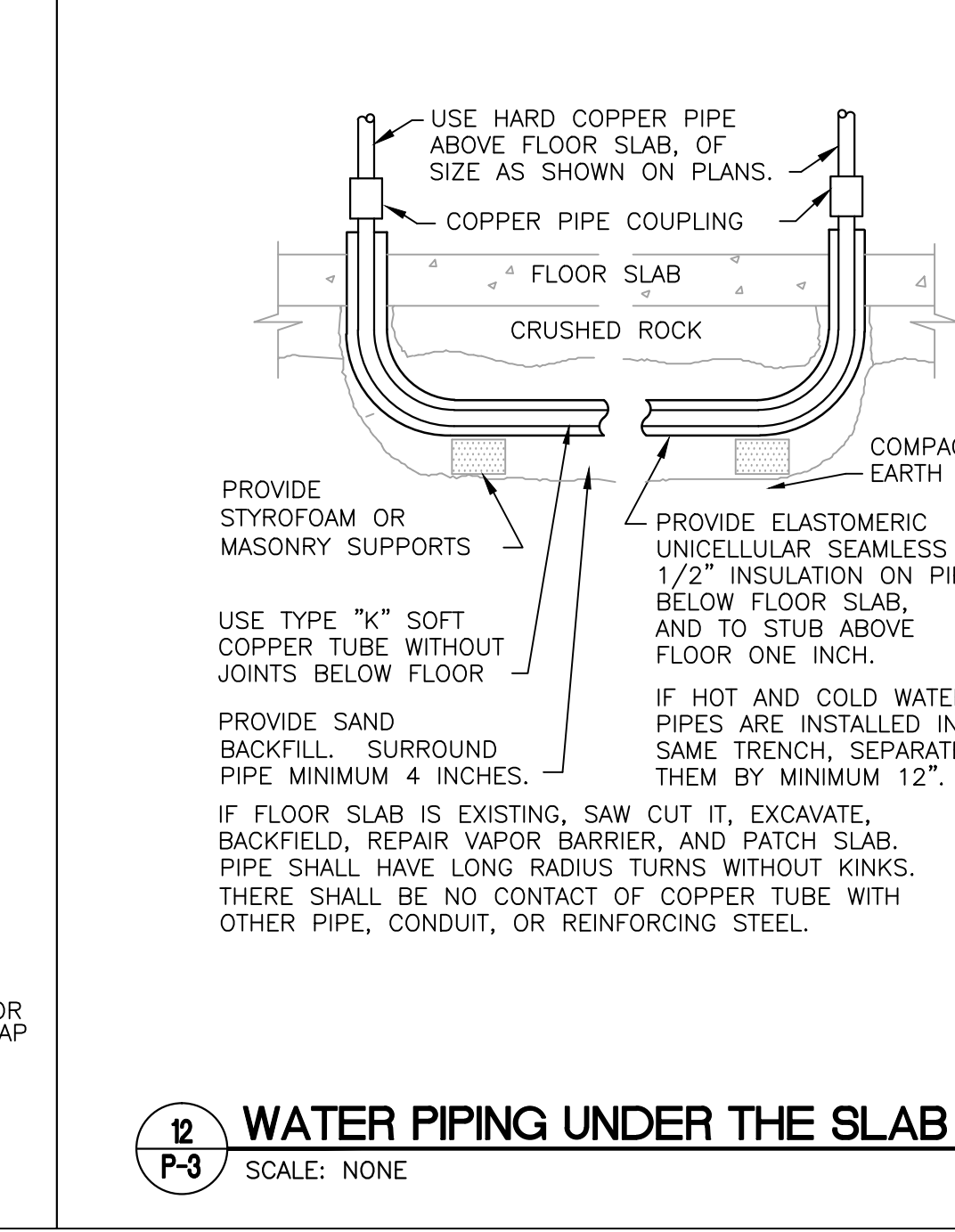
9 TYP. FIRESTOPPING AT PENETRATIONS (PIPE THRU WALL/FLOOR) DETAIL
SCALE: NONE



10 FLOOR DRAIN DETAIL
SCALE: NONE




11 TRAP PRIMER PIPING DETAIL
SCALE: NONE



12 WATER PIPING UNDER THE SLAB
SCALE: NONE

REVISION RECORD		
NO.	DATE	REMARKS

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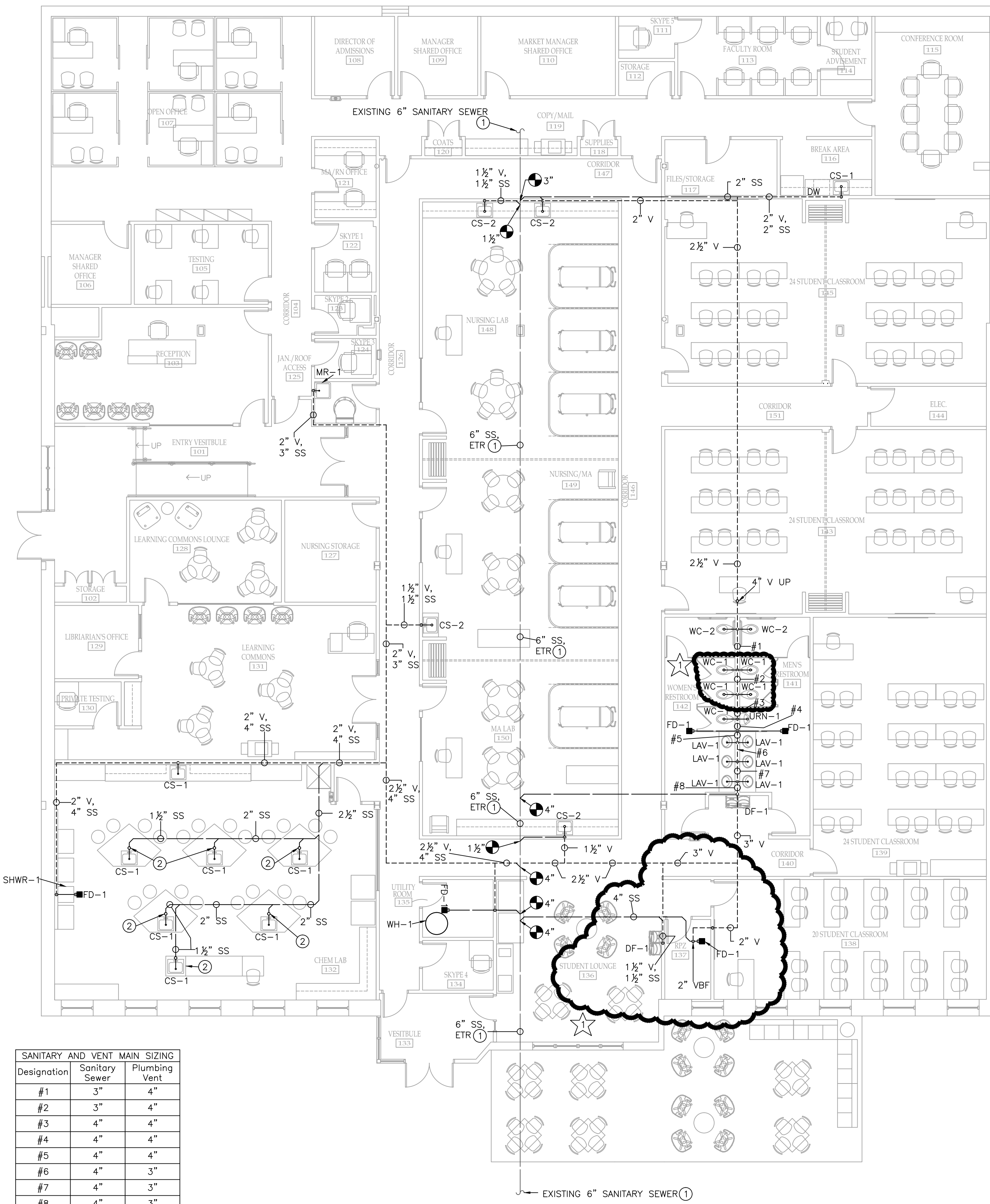

Bryant and Stratton College
BRYANT & STRATTON COLLEGE
 1320 Warwick Way
 Mt. Pleasant, WI 53406

SEAL:

PLUMBING DETAILS CONTINUED

GREGORY A. TOMSIC
 REGISTERED ARCHITECT
 145 BATHURST DR., TONAWANDA, N.Y. 14150
 716-855-0617

SCALE	JOB NO.
DRAWN	DWG. NO.
CHECKED	P-3
DATE	CONTRACT NO.
12.22.2017	



SANITARY AND VENT MAIN SIZING		
Designation	Sanitary Sewer	Plumbing Vent
#1	3"	4"
#2	3"	4"
#3	4"	4"
#4	4"	4"
#5	4"	4"
#6	4"	3"
#7	4"	3"
#8	4"	3"

1 SANITARY SEWER FLOOR PLAN
P-4 SCALE: 1/8" = 1'-0"

GENERAL NOTES:


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- PLUMBING CONTRACTOR RESPONSIBLE FOR PATCHING/REPAIR OF CONCRETE FLOOR AND WALL SURFACES TO MATCH EXISTING ARCHITECTURAL FINISHES.
- ALL NEW UNDERSLAB SANITARY SEWER PIPING WILL BE SLOPED DOWN AT 1/8" PER FOOT TO EXISTING SANITARY SEWER.
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- NOT ALL PIPE SIZES SHOWN. SEE FIXTURE SCHEDULE FOR MAIN CONNECTIONS SIZES. COORDINATE ALL PIPING RUNS WITH POCKET DOORS.
- NOT ALL SHUTOFF VALVES ARE SHOWN. SHUTOFF VALVES FOR ALL FIXTURES DOMESTIC WATER CONNECTIONS SHALL BE LOCATED WHERE THEY ARE ACCESSIBLE. PROVIDE ACCESS DOOR AS REQUIRED PER FIXTURE IF VALVES WILL NOT BE ACCESSIBLE. SEE FIXTURE SCHEDULE FOR PIPE SIZES.
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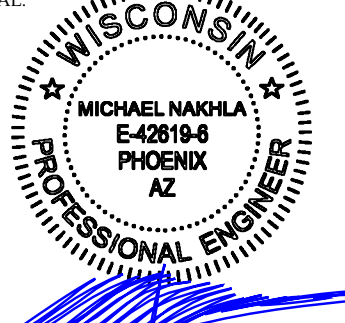
PLUMBING DRAWING NOTES #:

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 - 4" FIRE SERVICE WITH BFP-2 BY FIRE PROTECTION CONTRACTOR. SEE DETAILS #1 AND #2 ON DRAWING P-2. SEE FIRE PROTECTION DRAWINGS FOR CONTINUATION.
 - 2 1/2" CW SERVICE WITH BFP-1. SEE DETAILS #1 AND #2 ON DRAWING P-2.
 - ISLAND FIXTURES LOCATED IN CHEM / BIO LAB ROOM 150. DROP 2" CW AND 1 1/2" HW PIPING IN WALL WHERE INDICATED AND RUN ALL PIPING IN THE FLOOR AND STUB UP TO FIXTURES.
 - PROVIDE 3 HP AIR COMPRESSOR, 208/60/1, CAPABLE OF UP TO 130 PSI, 10.6 CFM, AND SOUND LEVELS UNDER 60 DECIBELS.
 - COMBINE 4" AIR INTAKE AND 4" FLUE FOR ONE CONCENTRIC ROOF PENETRATION. CONCENTRIC MUST BE 10'-0" FROM AIR INTAKES/OPERABLE WINDOWS. SEE DETAIL #7 ON DRAWING P-2.
 - 1/2" COMPRESSED AIR COPPER PIPING TO DROP DOWN TO HEADWALL AT MEDICAL TRAINING BED WITH SHUT OFF VALVE IN RISER. COORDINATE FINAL PIPE DROP LOCATION WITH OWNER AND FINAL CONNECTIONS TO HEADWALL WITH HEADWALL SUPPLIER/INSTALLER.

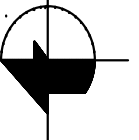
REVISION RECORD		
NO.	DATE	REMARKS
☆	01.10.2018	ADDENDUM #2

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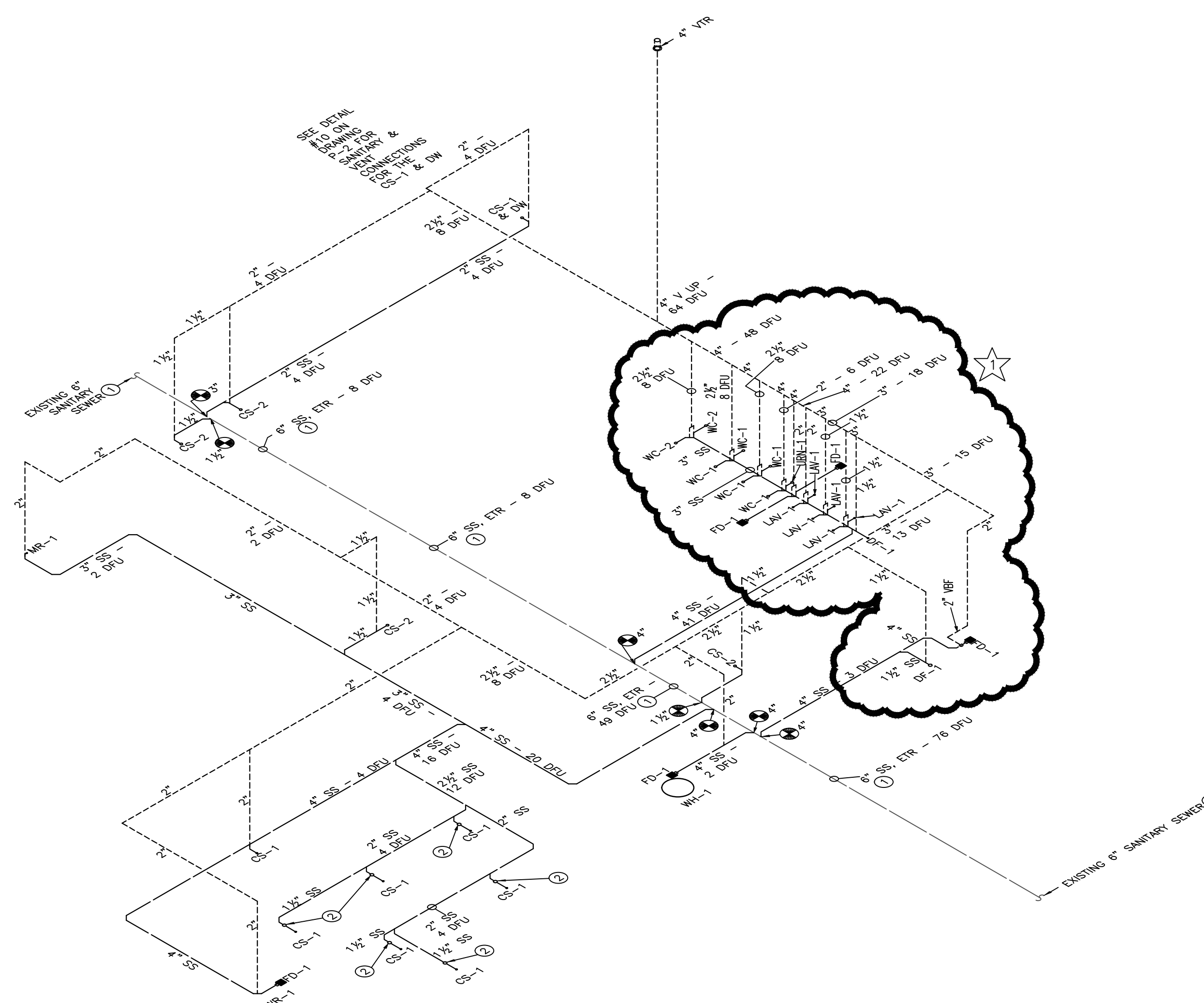

Bryant and Stratton College
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 1320 Warwick Way
 Mt. Pleasant, WI 53406


 SEAL: MICHAEL NAKHA
 E-42818-B
 PHOENIX
 PROFESSIONAL ENGINEER
 Wed Jan 10 2018 11:02:01

PLUMBING SANITARY SEWER FLOOR PLAN


GREGORY A. TOMSIC
REGISTERED ARCHITECT
 145 BATHURST DR., TONAWANDA, N.Y. 14150
 716-855-0617

SCALE	JOB NO.
DRAWN	DWG. NO.
CHECKED	P-4
DATE	CONTRACT NO.
12.22.2017	



GENERAL SANITARY NOTES:

1. THE MINIMUM PITCH OF HORIZONTAL BRANCH DRAINS 2" OR LESS IN DIAMETER SHALL BE 1/4" PER FOOT.
2. THE MINIMUM PITCH OF HORIZONTAL BRANCH DRAINS LARGER THAN 2" IN DIAMETER SHALL BE 1/8" PER FOOT.

1 SANITARY SEWER + VENT ISOMETRIC
 P-5 SCALE: NONE

GENERAL NOTES:

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3. PLUMBING CONTRACTOR RESPONSIBLE FOR PROPER DISPOSAL OF ALL CONCRETE, FLOOR AND WALL SURFACES TO MATCH EXISTING ARCHITECTURAL FINISHES.
4. PLUMBING CONTRACTOR RESPONSIBLE FOR PATCHING/REPAIR OF CONCRETE FLOOR AND WALL SURFACES TO MATCH EXISTING ARCHITECTURAL FINISHES.
5. ALL NEW UNDERSLAB SANITARY SEWER PIPING WILL BE SLOPED DOWN AT 1/8" PER FOOT TO EXISTING SANITARY SEWER.
6. ALL NEW PIPING THAT IS TO BE RUN ABOVE THE CEILING SHALL BE COORDINATED WITH ALL OTHER EXISTING WORK/CONDITIONS.
7. NOT ALL PIPE SIZES SHOWN. SEE FIXTURE SCHEDULE FOR MAIN CONNECTIONS SIZES. COORDINATE ALL PIPING RUNS WITH POCKET DOORS.
8. NOT ALL SHUTOFF VALVES ARE SHOWN. SHUTOFF VALVES FOR ALL FIXTURES DOMESTIC WATER CONNECTIONS SHALL BE LOCATED WHERE THEY ARE ACCESSIBLE. PROVIDE ACCESS DOOR AS REQUIRED PER FIXTURE IF VALVES WILL NOT BE ACCESSIBLE. SEE FIXTURE SCHEDULE FOR PIPE SIZES.
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PLUMBING DRAWING NOTES (P):

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REVISION RECORD		
NO.	DATE	REMARKS
☆	01.10.2018	ADDENDUM #2

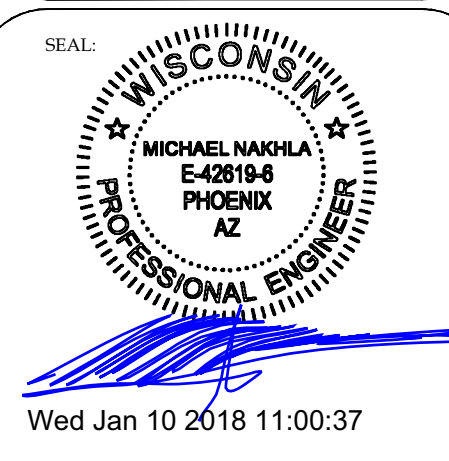
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Bryant and Stratton College

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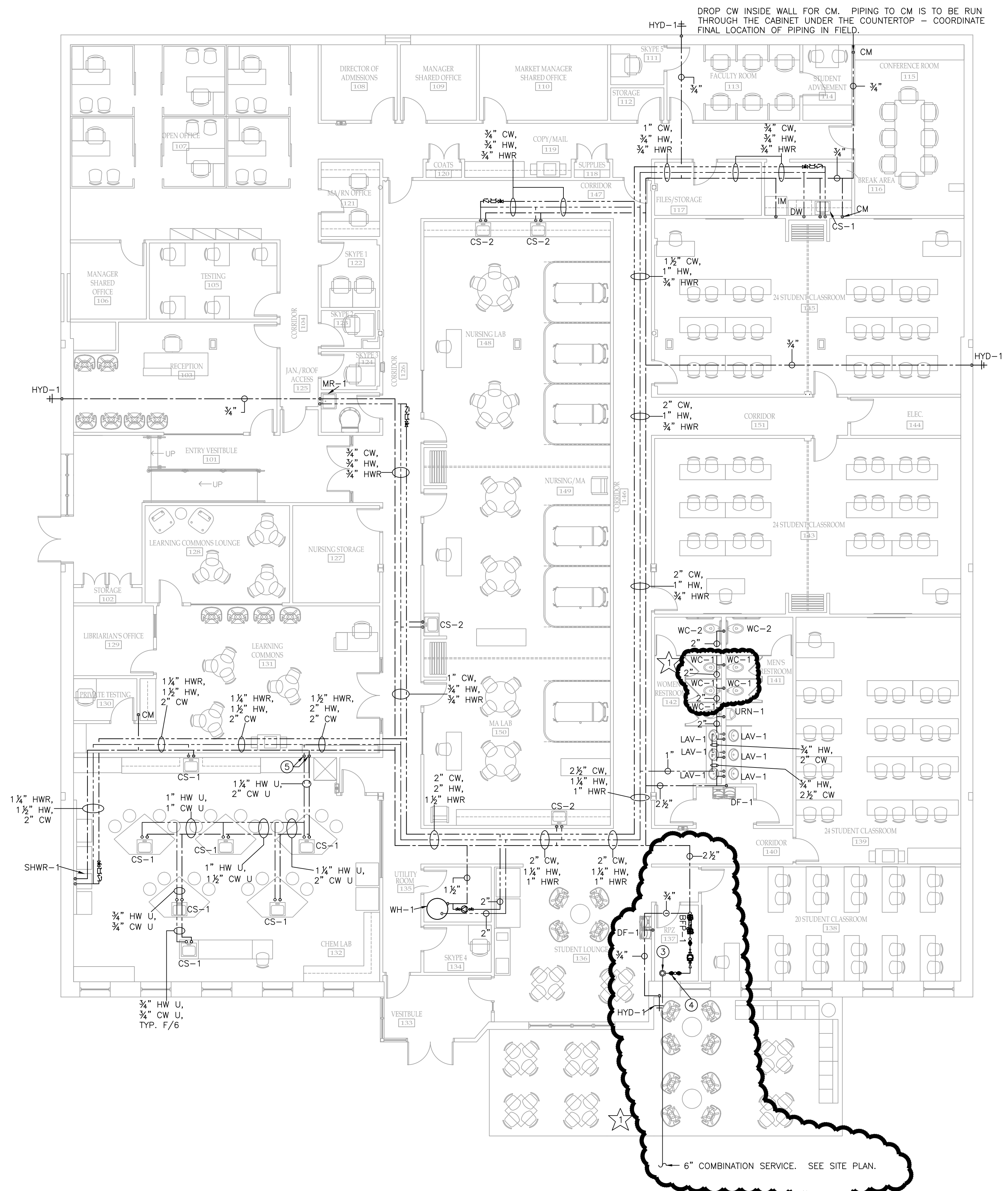
1320 Warwick Way
 Mt. Pleasant, WI 53406



PLUMBING SANITARY SEWER ISOMETRIC

GREGORY A. TOMSIC
 REGISTERED ARCHITECT
 145 BATHURST DR., TONAWANDA, N.Y. 14150
 716-855-0617

SCALE	JOB NO.
DRAWN	DWG. NO.
CHECKED	P-5
DATE 12.22.2017	CONTRACT NO.



DROP CW INSIDE WALL FOR CM. PIPING TO CM IS TO BE RUN THROUGH THE CABINET UNDER THE COUNTERTOP - COORDINATE FINAL LOCATION OF PIPING IN FIELD.

GENERAL NOTES:

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1 DOMESTIC WATER FLOOR PLAN
P-6 SCALE: 1/8" = 1'-0"

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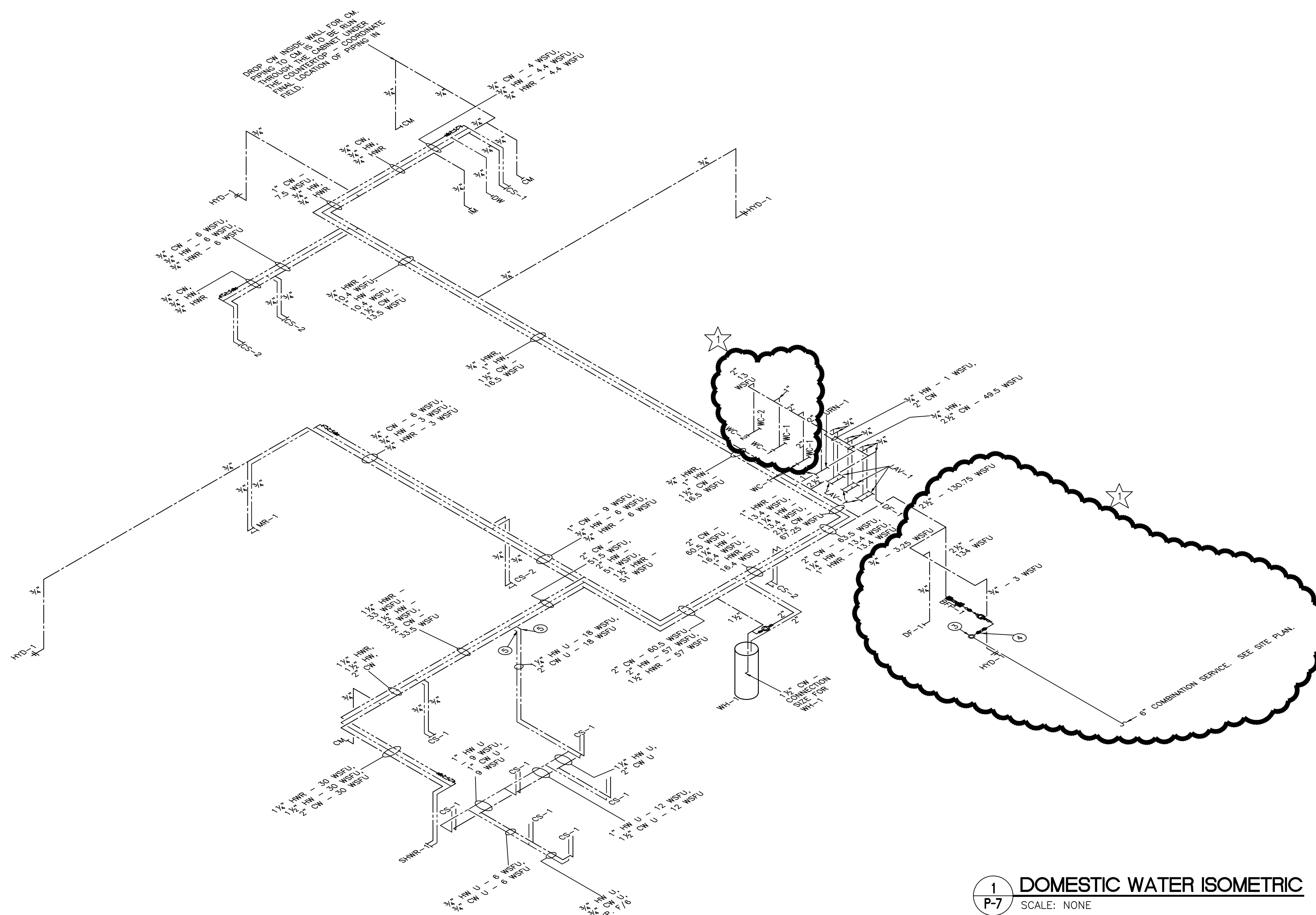
SEAL:

 MICHAEL MARLA
 E-08194
 PHOENIX
 AZ
 Wed Jan 10 2018 11:01:34

**PLUMBING
 DOMESTIC
 WATER
 FLOOR PLAN**

GREGORY A. TOMSIC
 REGISTERED ARCHITECT
 145 BATHURST DR., TONAWANDA, N.Y. 14150
 716-855-0617

SCALE	JOB NO.
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NO.	DATE	REMARKS
☆	01.10.2018	ADDENDUM #2

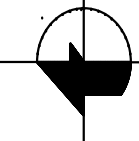
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Bryant and Stratton College
BRYANT & STRATTON COLLEGE
 1320 Warwick Way
 Mt. Pleasant, WI 53406

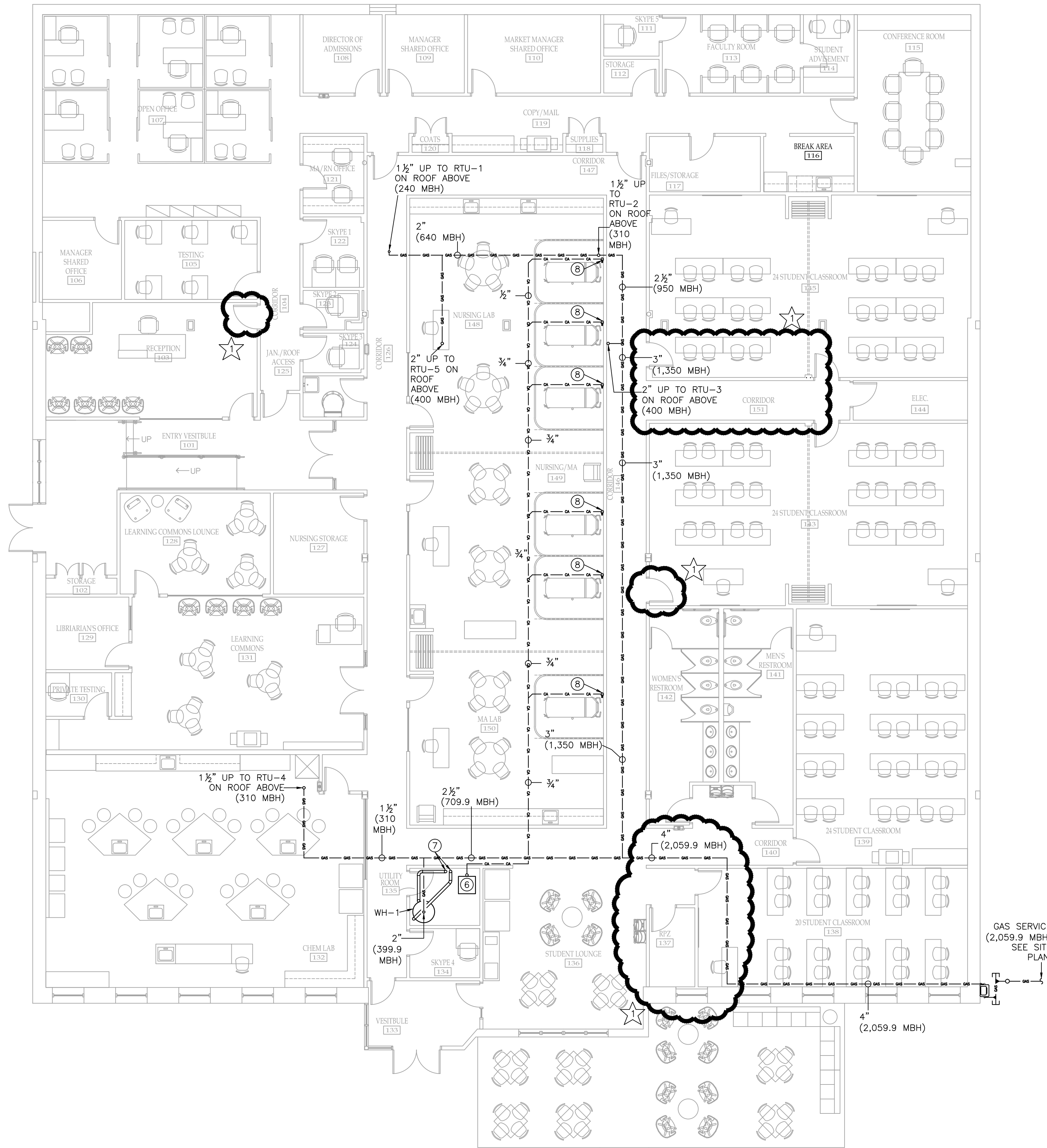
SEAL:

 Wed Jan 10 2018 11:01:06

PLUMBING DOMESTIC WATER ISOMETRIC


GREGORY A. TOMSIC
 REGISTERED ARCHITECT
 145 BATHURST DR., TONAWANDA, N.Y. 14150
 716-855-0617

SCALE	JOB NO.
DRAWN	DWG. NO.
CHECKED	P-7
DATE 12.22.2017	CONTRACT NO.



1 NATURAL GAS FLOOR PLAN
P-8 SCALE: 1/8" = 1'-0"

GENERAL NOTES:


1. PRIOR TO BIDDING – CONTRACTOR TO FIELD VERIFY SIZE AND EXACT LOCATIONS OF ALL ABOVE SLAB AND UNDERSLAB PIPING AND ALL OTHER EXISTING CONDITIONS. ALL EXISTING STORM PIPING IS TO REMAIN. ALL EXISTING DOMESTIC COLD WATER, DOMESTIC HOT WATER, AND NATURAL GAS PIPING IS TO BE REMOVED DURING DEMOLITION.
2. EXISTING PIPING INSULATION IS TO REMAIN. REPLACE PIPE INSULATION OF SAME TYPE ON EXISTING PIPING WHICH WAS REMOVED WHILE ABATING ASBESTOS, MAKING NEW PIPE CONNECTIONS, OR REMOVING EXISTING PIPE CONNECTIONS. REINSTALL SPECIFIED INSULATION AS REQUIRED DURING RECONSTRUCTION.
3. PLUMBING CONTRACTOR RESPONSIBLE FOR PROPER DISPOSAL OF ALL CONCRETE, PIPING MATERIALS, ETC. OFF-SITE COMPLIANCE WITH ALL LOCAL AND STATE CODES.
4. PLUMBING CONTRACTOR RESPONSIBLE FOR PATCHING/REPAIR OF CONCRETE FLOOR AND WALL SURFACES TO MATCH EXISTING ARCHITECTURAL FINISHES.
5. ALL NEW UNDERSLAB SANITARY SEWER PIPING WILL BE SLOPED DOWN AT 1/8" PER FOOT TO EXISTING SANITARY SEWER.
6. ALL NEW PIPING THAT IS TO BE RUN ABOVE THE CEILING SHALL BE COORDINATED WITH ALL OTHER EXISTING WORK/CONDITIONS.
7. NOT ALL PIPE SIZES SHOWN. SEE FIXTURE SCHEDULE FOR MAIN CONNECTIONS SIZES. COORDINATE ALL PIPING RUNS WITH POCKET DOORS.
8. NOT ALL SHUTOFF VALVES ARE SHOWN. SHUTOFF VALVES FOR ALL FIXTURES DOMESTIC WATER CONNECTIONS SHALL BE LOCATED WHERE THEY ARE ACCESSIBLE. PROVIDE ACCESS DOOR AS REQUIRED PER FIXTURE IF VALVES WILL NOT BE ACCESSIBLE. SEE FIXTURE SCHEDULE FOR PIPE SIZES.
9. ALL VENTED FIXTURES ARE TO HAVE THE VENT PIPING CONNECT TO THE SANITARY PIPING ABOVE THE FLOOR RIM. VENT PIPING COMING FROM BELOW THE FLOOR (I.E. TOILET VENTS, FLOOR DRAINS, AND FLOOR SINKS) SHALL COME OFF THE TOP OF THE SANITARY PIPE. FIXTURES THAT ARE VENTED BEFORE SANITARY HEADS BELOW THE FLOOR (I.E. LAVATORIES AND HAND SINKS) SHALL HAVE THE VENT GO UP AND THE SANITARY GO DOWN AT LOCATION INDICATED (UNLESS OTHERWISE NOTED). AIR ADMITTANCE VALVES MAY BE SUBSTITUTED FOR VENTING IN NOTED AREAS.
10. BREAKS ARE SHOWN IN THE PIPING (BOTH UNDERSLAB AND ABOVE CEILING) FOR CLARITY ONLY. ALL SYSTEMS SHALL BE INSTALLED IN THEIR ENTIRETY FOR A FULL WORKING SYSTEM.
11. SUPPORT ALL PIPING TO ROOF PER WISCONSIN PLUMBING CODE REQUIREMENTS. CEILINGS ARE AT 10'-0" BUT THE ROOF IS APPROXIMATELY 13'-9" ABOVE THAT. COORDINATE ALL PIPING RUNS WITH ALL OTHER TRADES.


PLUMBING DRAWING NOTES #:

- (NOTE: THIS IS A MASTER LIST. NOT EVERY NOTE IS USED ON EVERY DRAWING.)
1. POSSIBLE SANITARY MAIN LOCATION. CONTRACTOR TO VERIFY SIZE, LOCATION, AND INVERTS IN FIELD. ALL SANITARY PIPING SHOWN ON DRAWINGS SHALL BE ADJUSTED AS NECESSARY TO CONNECT TO EXISTING MAIN PER CODE. SEE GENERAL NOTE #1.
 2. PROVIDE 2" STUDDOR AIR ADMITTANCE VALVE FOR VENTING OF FIXTURE. VALVE SHALL BE PLACED ABOVE THE FLOOD RIM OF THE FIXTURE. SEE GENERAL NOTES. SHOULD AIR ADMITTANCE VALVES NOT BE PERMITTED, SEE DETAIL #9 ON DRAWING P-2.
 3. 4" FIRE SERVICE WITH BFP-2 BY FIRE PROTECTION CONTRACTOR. SEE DETAILS #1 AND #2 ON DRAWING P-2. SEE FIRE PROTECTION DRAWINGS FOR CONTINUATION.
 4. 2 1/2" CW SERVICE WITH BFP-1. SEE DETAILS #1 AND #2 ON DRAWING P-2.
 5. ISLAND FIXTURES LOCATED IN CHEM / BIO LAB ROOM 150. DROP 2" CW AND 1 1/2" HW PIPING IN WALL WHERE INDICATED AND RUN ALL PIPING IN THE FLOOR AND STUB UP TO FIXTURES.
 6. PROVIDE 3 HP AIR COMPRESSOR, 208/60/1, CAPABLE OF UP TO 130 PSI, 10.6 CFM, AND SOUND LEVELS UNDER 60 DECIBELS.
 7. COMBINE 4" AIR INTAKE AND 4" FLUE FOR ONE CONCENTRIC ROOF PENETRATION. CONCENTRIC MUST BE 10'-0" FROM AIR INTAKES/OPERABLE WINDOWS. SEE DETAIL #7 ON DRAWING P-2.
 8. 1/2" COMPRESSED AIR COPPER PIPING TO DROP DOWN TO HEADWALL AT MEDICAL TRAINING BED WITH SHUT OFF VALVE IN RISER. COORDINATE FINAL PIPE DROP LOCATION WITH OWNER AND FINAL CONNECTIONS TO HEADWALL WITH HEADWALL SUPPLIER/INSTALLER.

REVISION RECORD		
NO.	DATE	REMARKS
☆	01.10.2018	ADDENDUM #2

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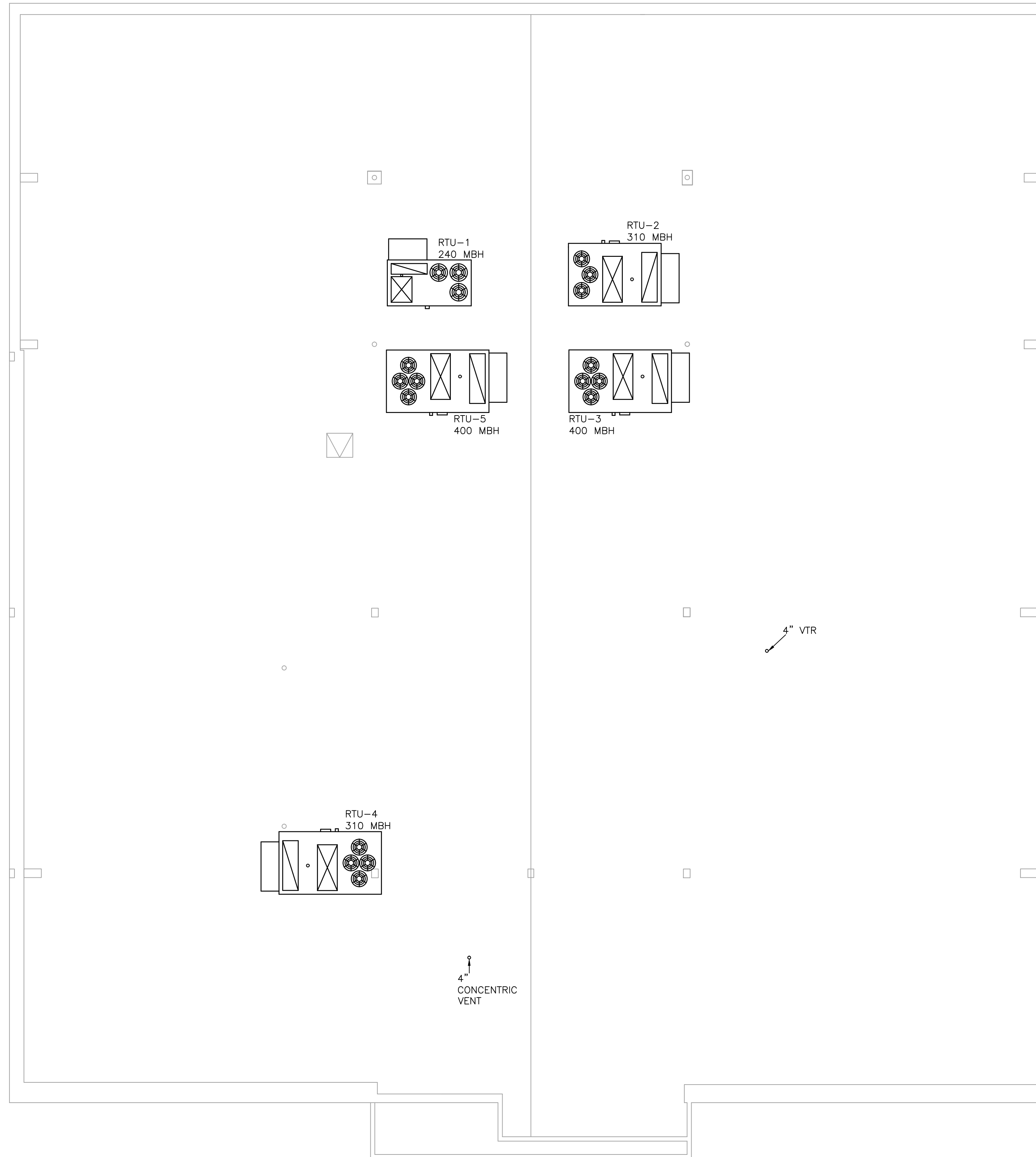

BRYANT & STRATTON COLLEGE
 1320 Warwick Way
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SEAL: 
 Wed Jan 10 2018 11:00:08

PLUMBING NATURAL GAS FLOOR PLAN

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SCALE	JOB NO.
DRAWN	DWG. NO.
CHECKED	P-8
DATE 12.22.2017	CONTRACT NO.



1 PLUMBING ROOF PLAN
P-9 SCALE: 1/8" = 1'-0"

GENERAL NOTES:

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SEAL:

PLUMBING ROOF PLAN

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