









777 Old Saw Mill River Road  
Tarrytown, NY 10591-6707  
T: 914.847.7400  
F: 914.847.7991  
www.regeneron.com

Building #17  
Campus Expansion Child  
Day-care Center

777 Old Saw Mill River Road  
Mount Pleasant, NY 10591

Project No. B17-DAYCARE

Architect

**Gensler**  
1700 Broadway, Suite 400  
New York, NY 10019  
(212) 492-1400 Phone  
(212) 492-1472 Fax

Structural Engineer

Thornton Tomasetti  
120 Broadway, 15th Floor  
New York, NY 10271  
(917) 661-7800 Phone  
(917) 661-7801 Fax

MEP / IT / Security Engineer

Cosentini Associates  
498 Seventh Avenue  
New York, NY 10018  
(212) 615-3600 Phone  
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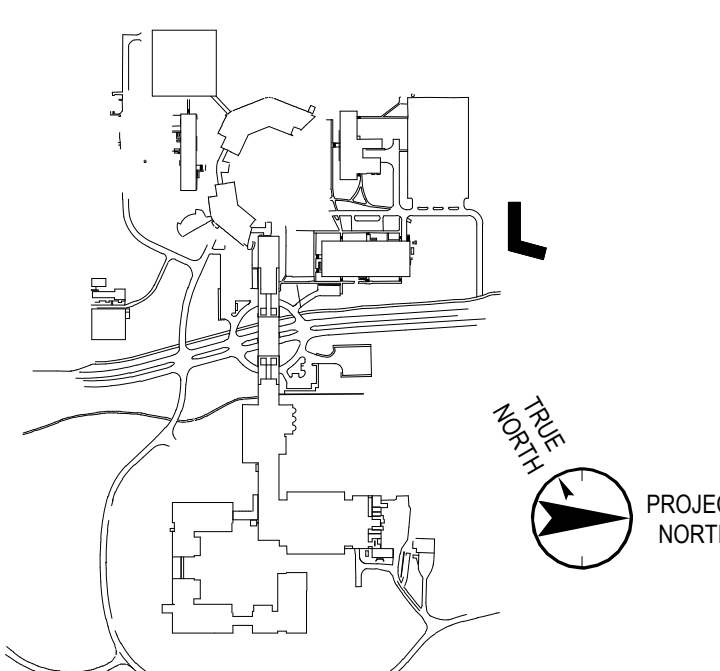
Civil Engineer

JMC  
120 Bedford Road  
Armonk, NY 10504  
(914) 273-5225 Phone  
(914) 273-2102 Fax

Landscape Architect

Langan  
21 Penn Plaza, 360 West 31st Street, 8th Floor  
New York, NY 10001  
(212) 479-5400 Phone  
(212) 479-5444 Fax

Key Plan



No. Date Description

- |   |            |                               |
|---|------------|-------------------------------|
| 0 | 05.20.2022 | ISSUED FOR PERMIT             |
| 1 | 06.20.2022 | 100% CONSTRUCTION DOCUMENTS   |
| 2 | 07.01.2022 | 100% CONSTRUCTION DOCUMENTS-1 |

Plot Date: 07.01.2022

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REUSE.

Professional Seal and Signature

Vendor Name: COSENTINI  
Vendor Project No.: 210104  
Discipline: Plumbing  
PLUMBING 1ST FLOOR PLAN

Scale: 1/8" = 1'-0" Floor: 1ST

P-101

TO THE BEST OF MY KNOWLEDGE, BELIEF AND  
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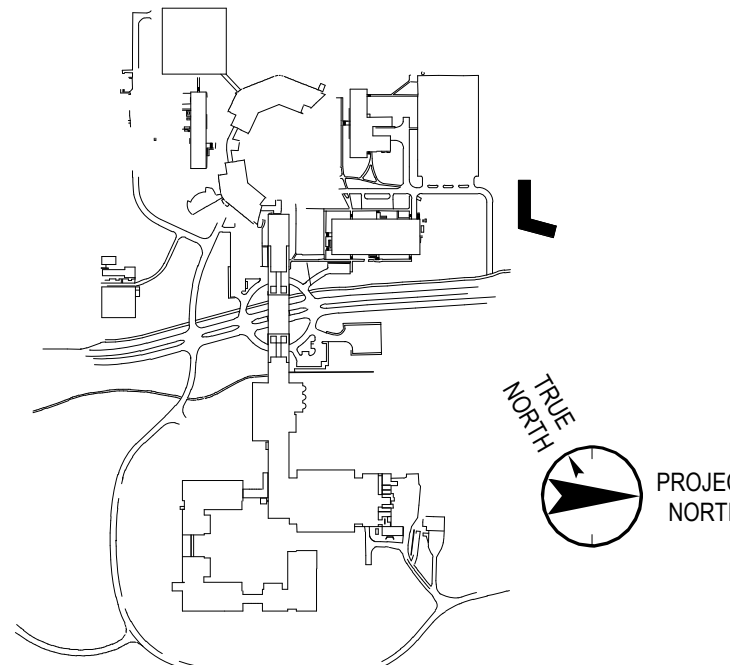
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REUSE.

Professional Seal and Signature

Vendor Name: COSENTINI

Vendor Project No.: 210104

Discipline: Plumbing

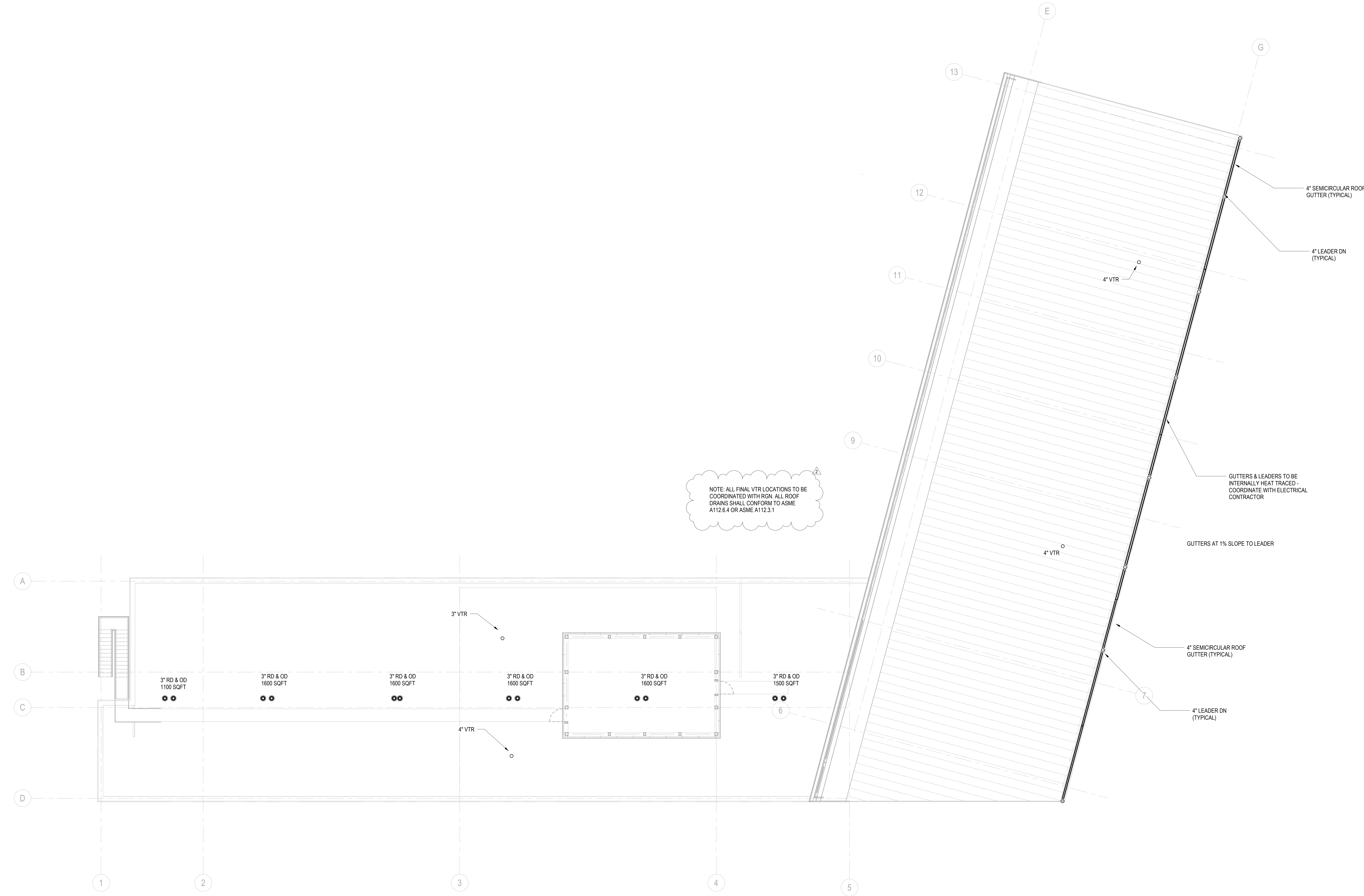
Drawn By: DH

PLUMBING ROOF PLAN

Scale: 1/8" = 1'-0"

Floor: ROOF

P-102



1 ROOF PLUMBING PLAN  
1/8" = 1'-0"

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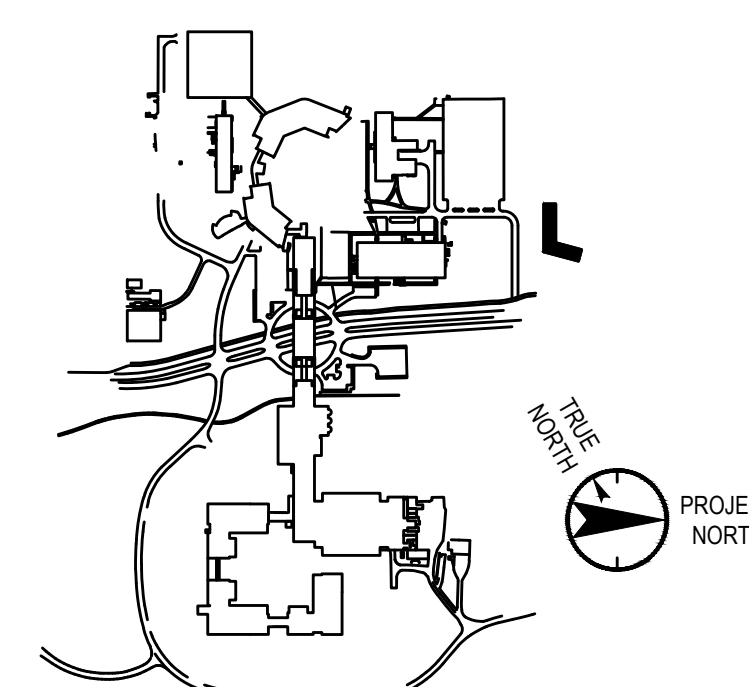
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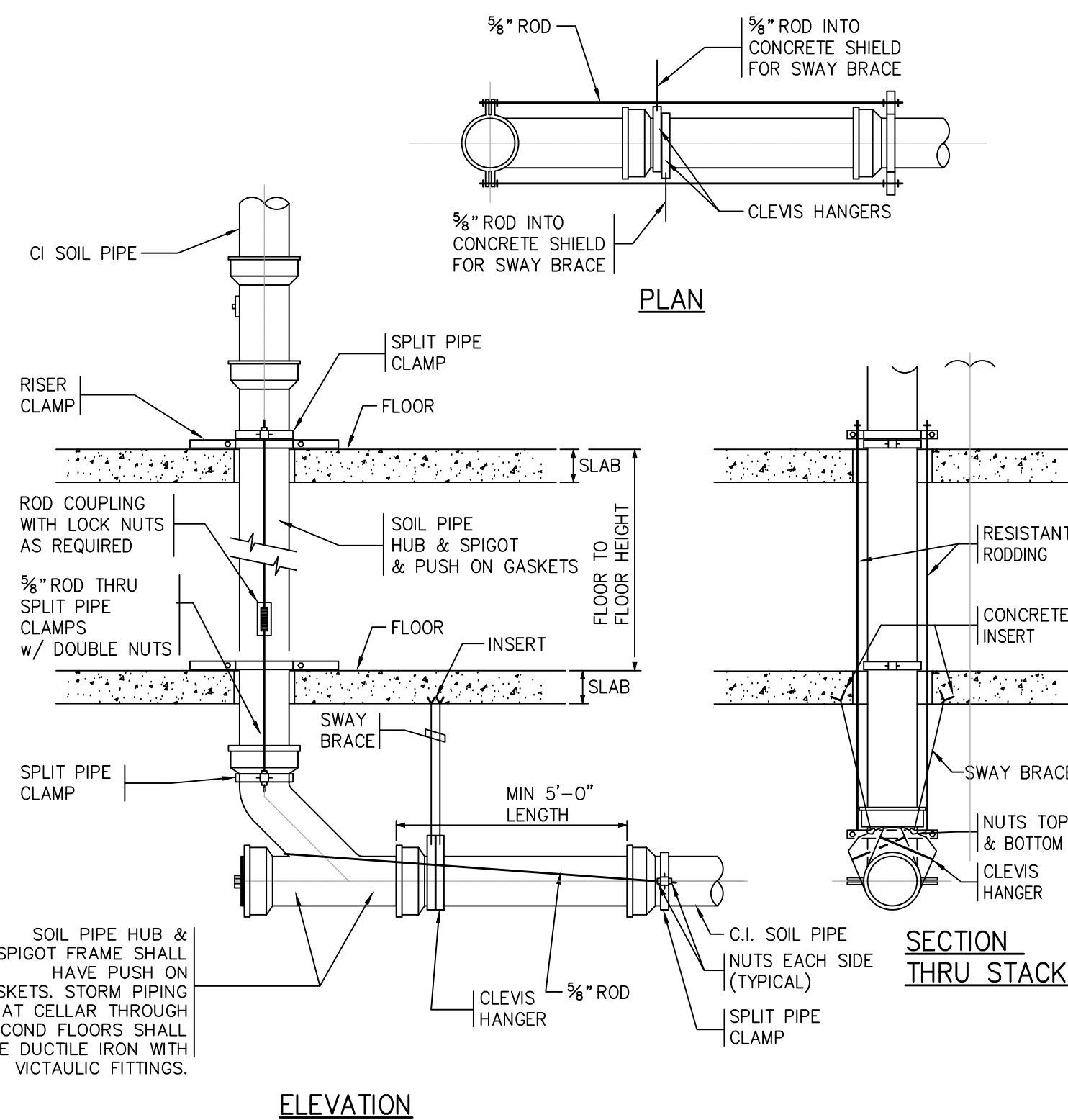
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Professional Seal and Signature

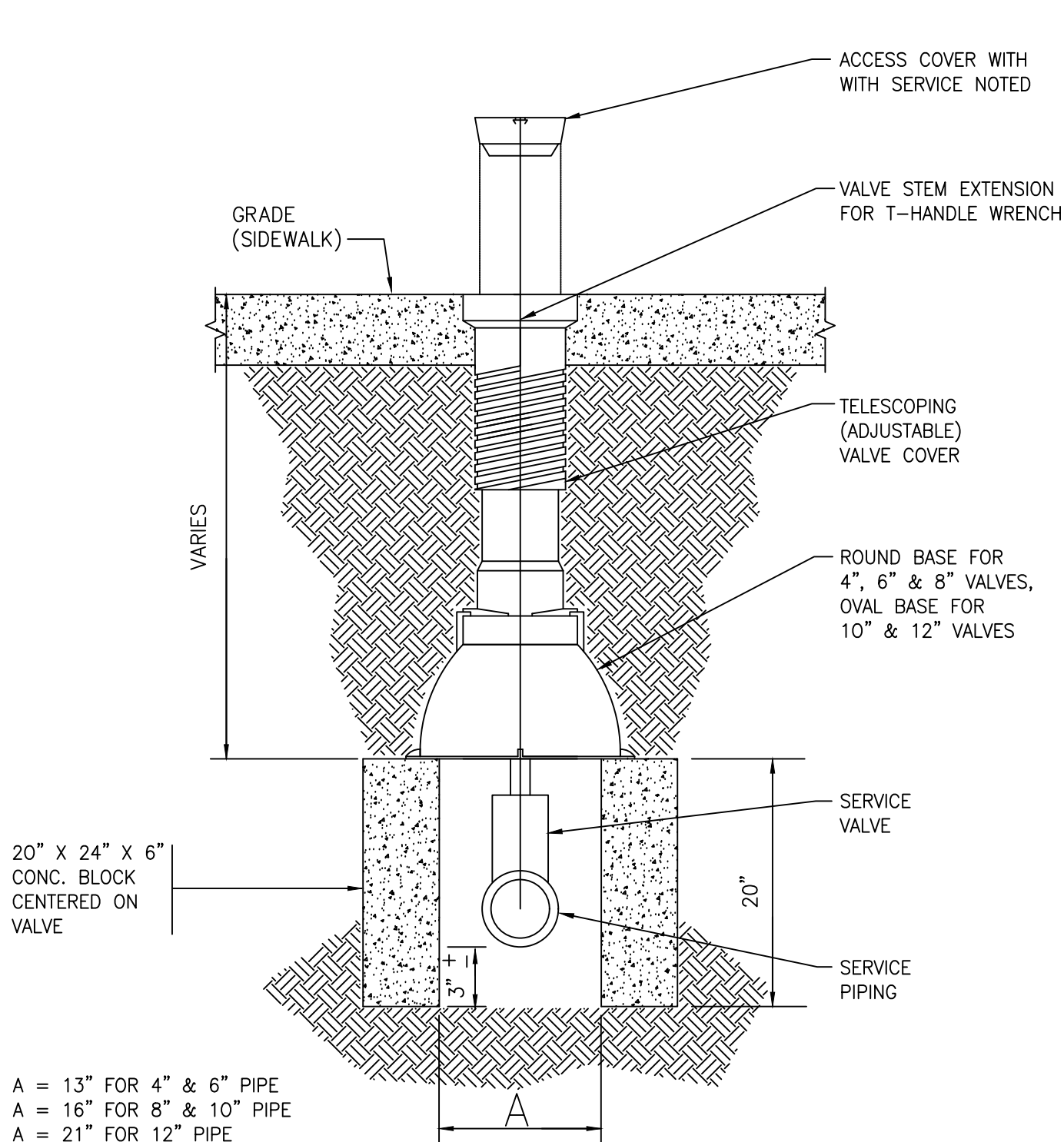
Vendor Name: COSENTINI  
Vendor Project No.: 210104  
Discipline: Plumbing Drawn By: DH  
PLUMBING  
DETAILS

Scale: NTS Floor: N/A

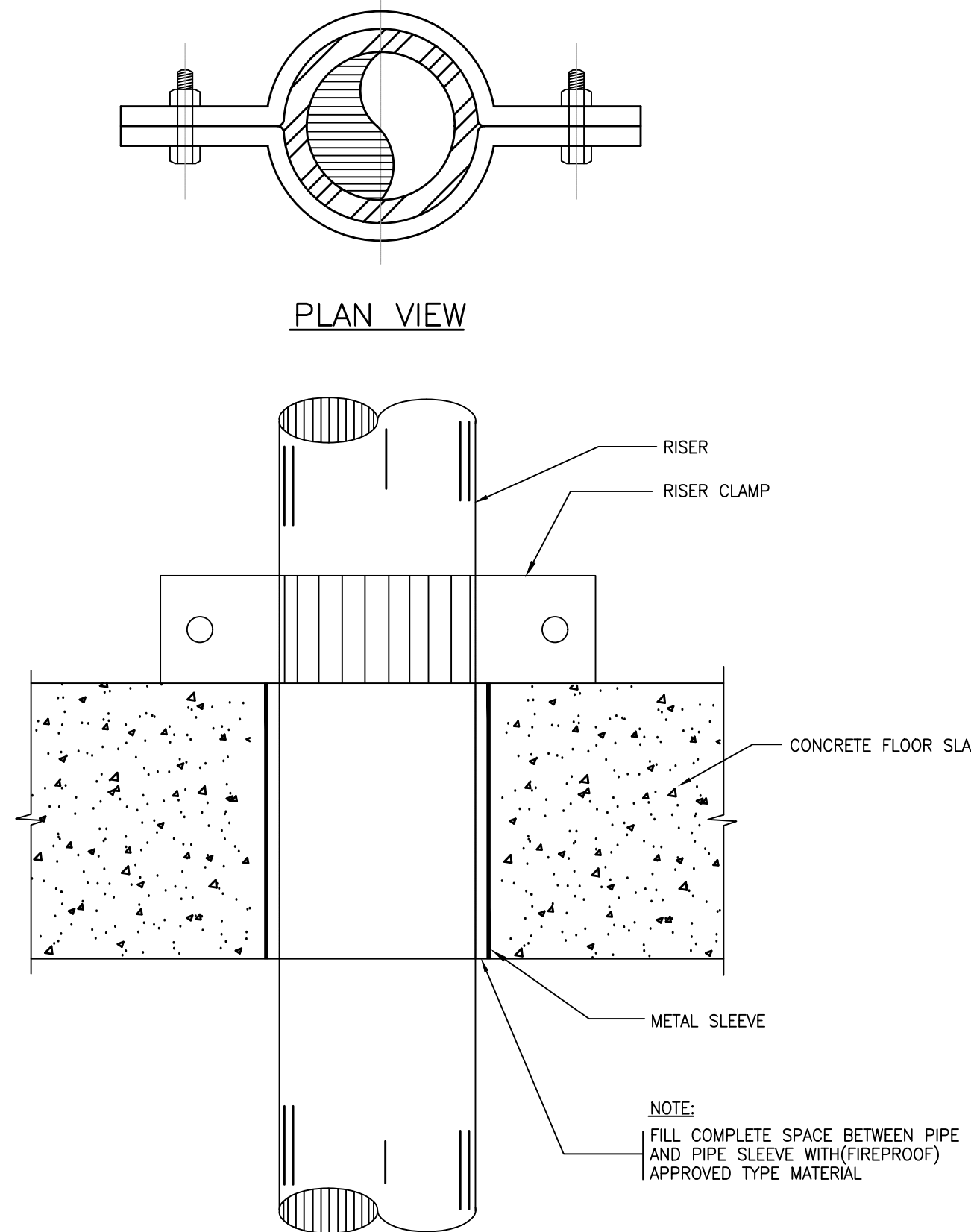
P-500



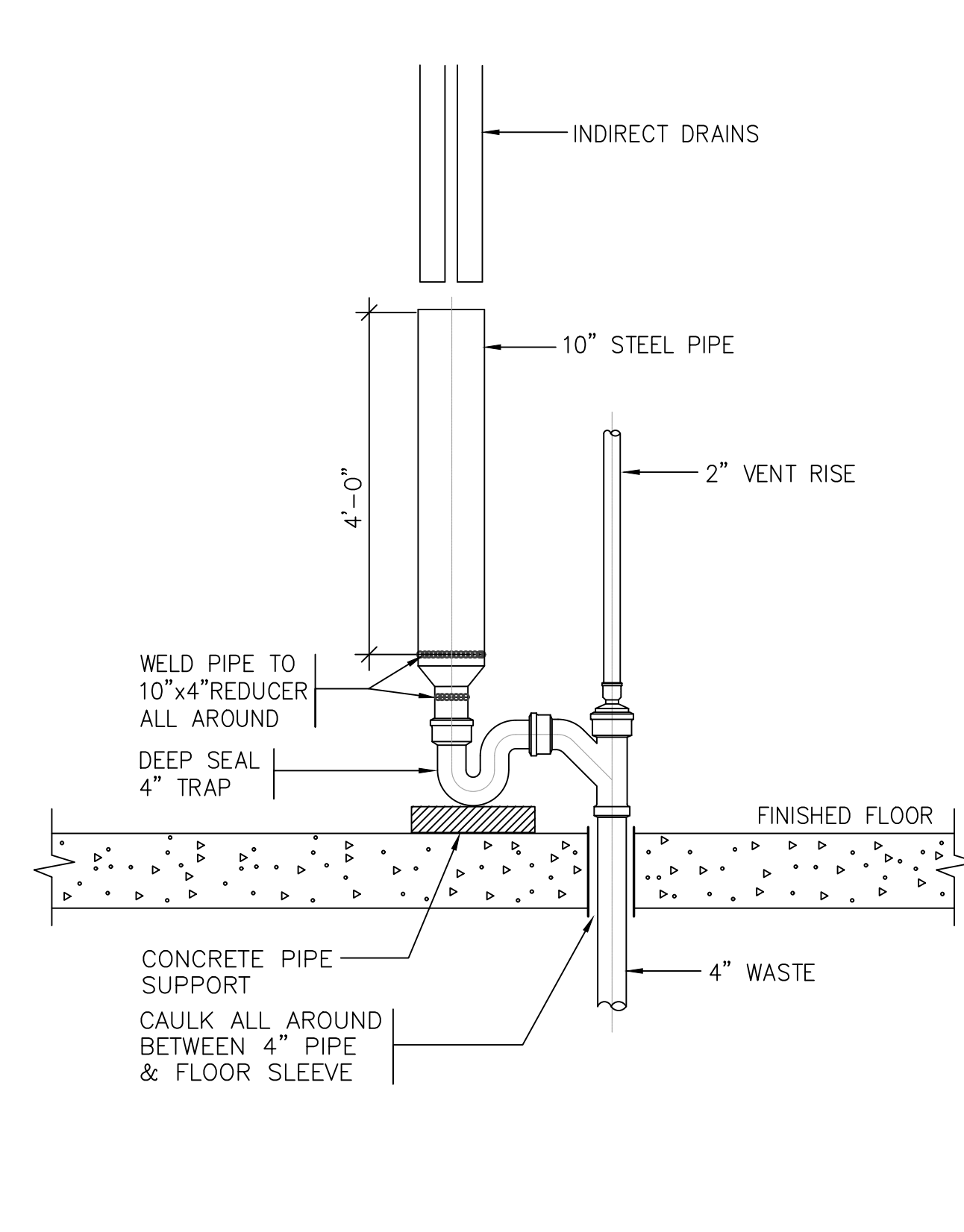
DETAIL OF PIPING AT BASE OF STACKS  
BASE OF LEADERS SIMILAR  
NO SCALE



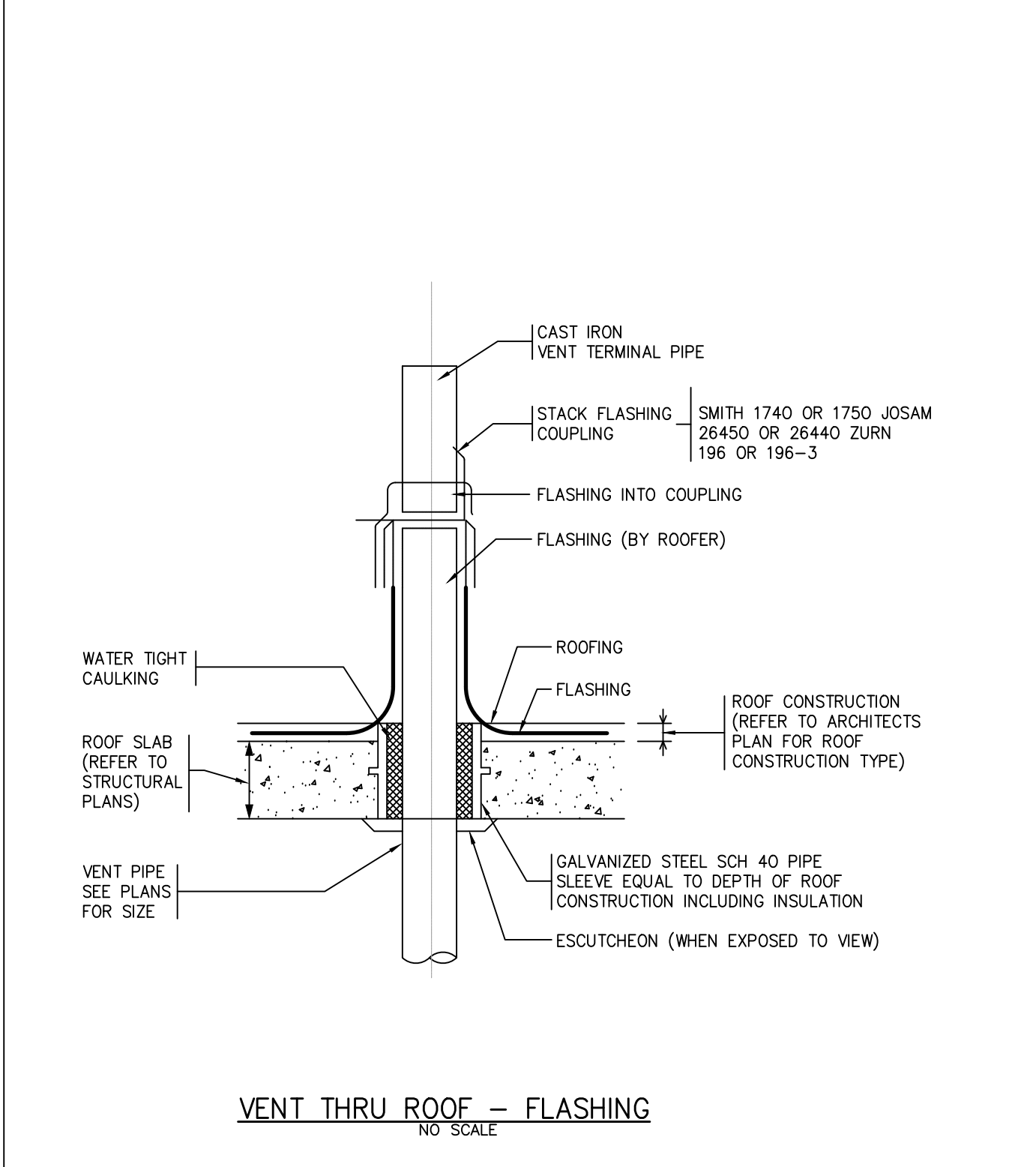
TYPICAL SERVICE VALVE BOX DETAIL  
NOT TO SCALE



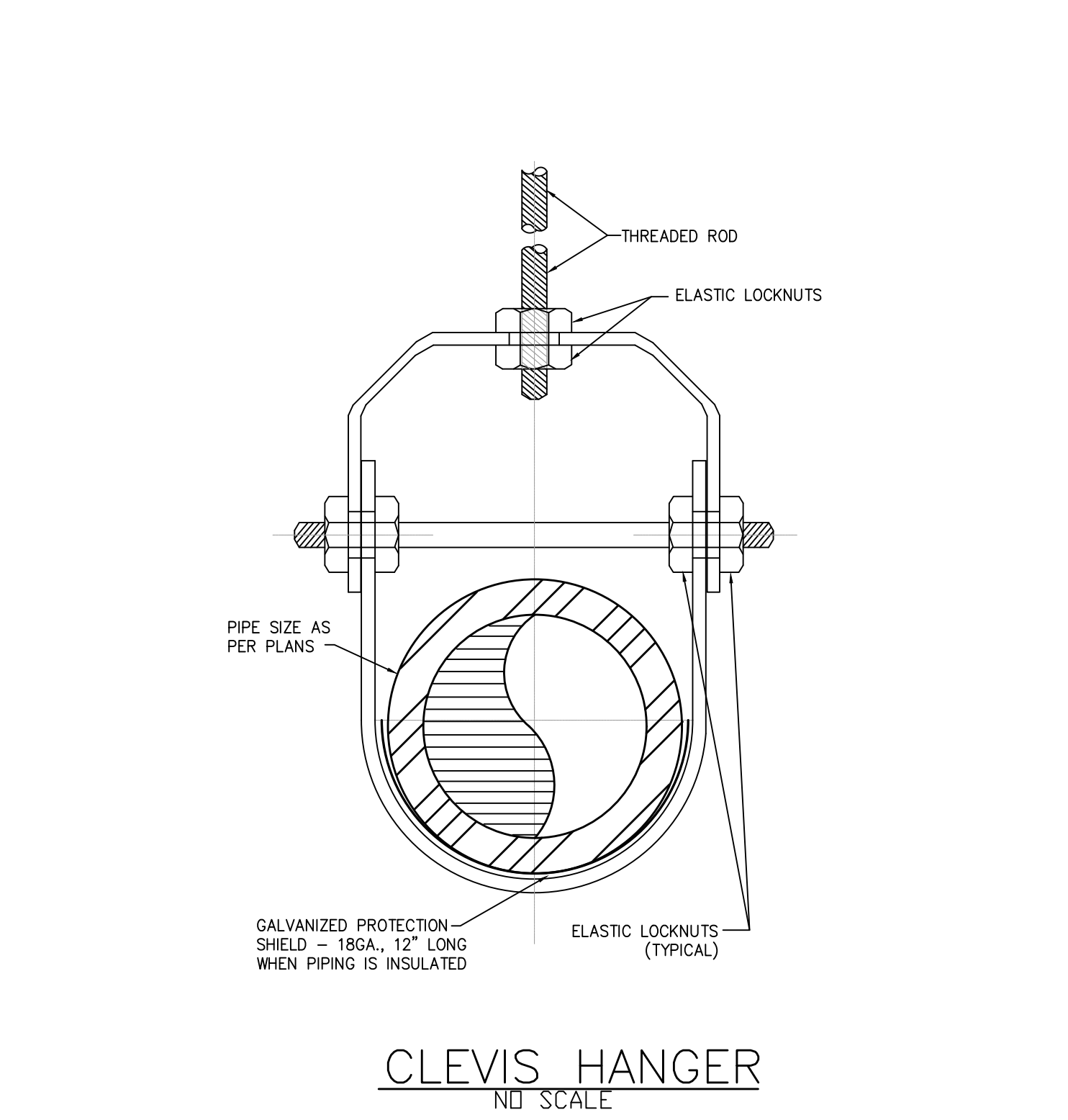
TYPICAL RISER ANCHOR DETAIL  
NO SCALE



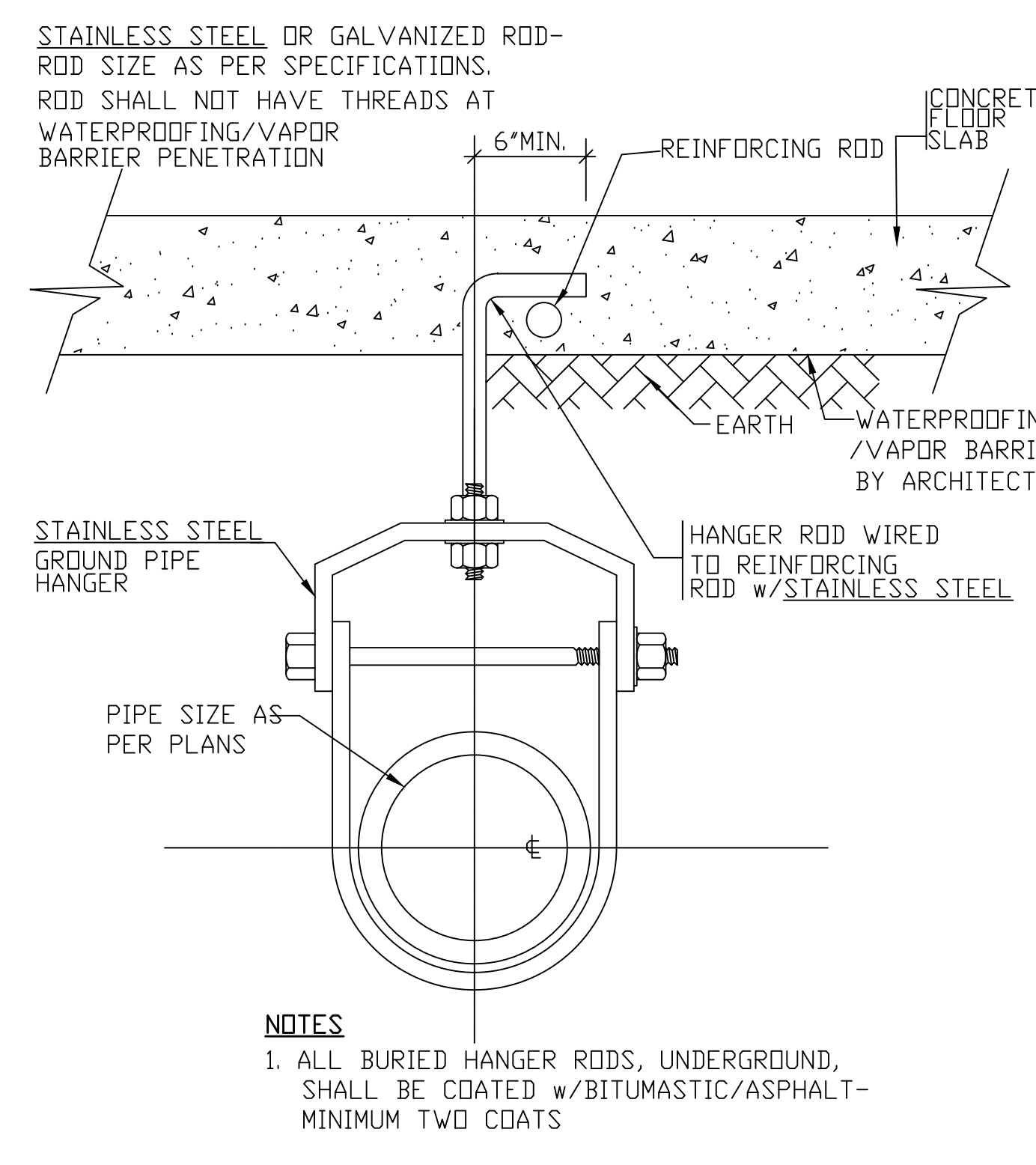
TYPICAL INDIRECT WASTE RECEPTOR  
NO SCALE



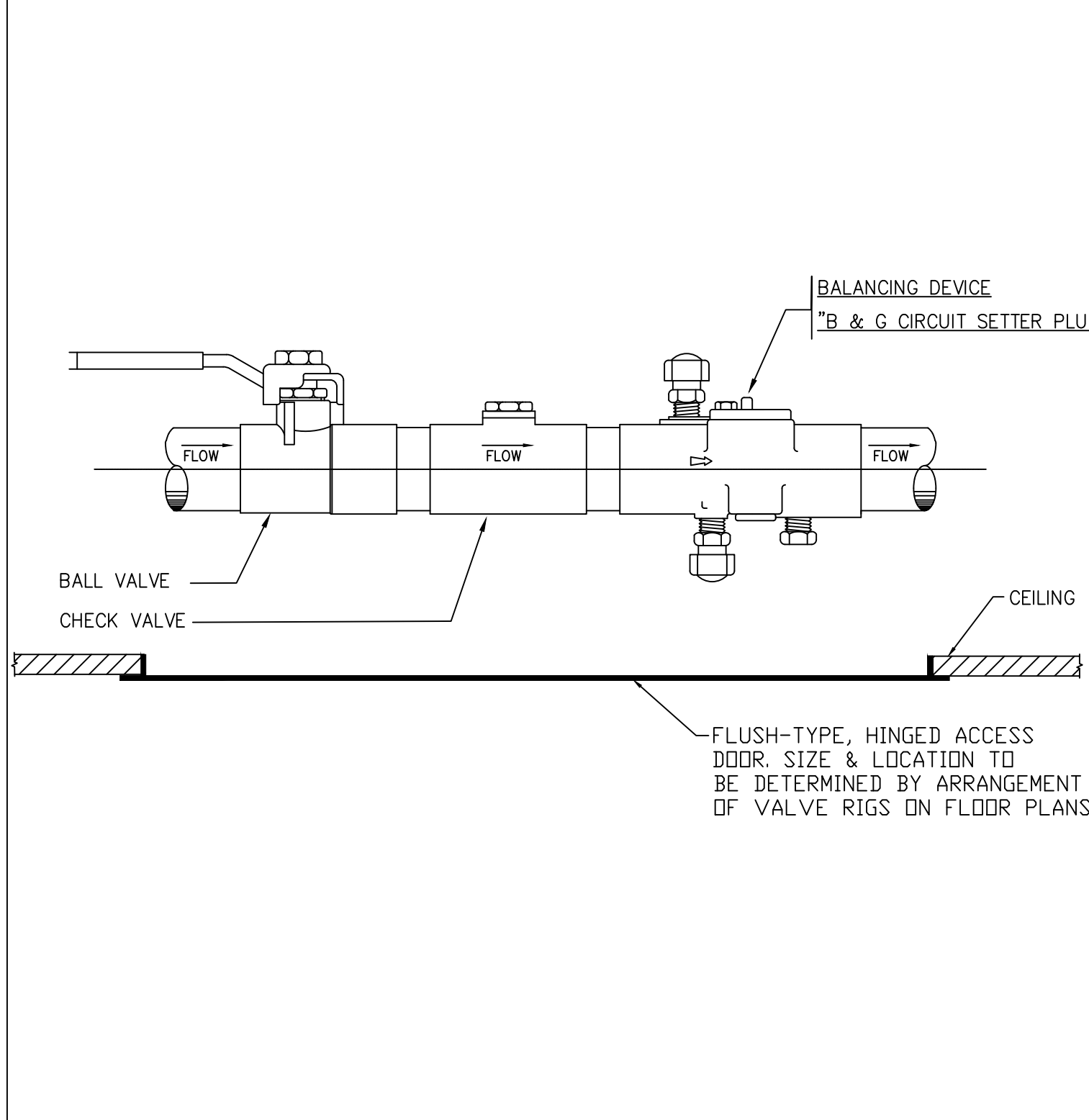
VENT THRU ROOF - FLASHING  
NO SCALE



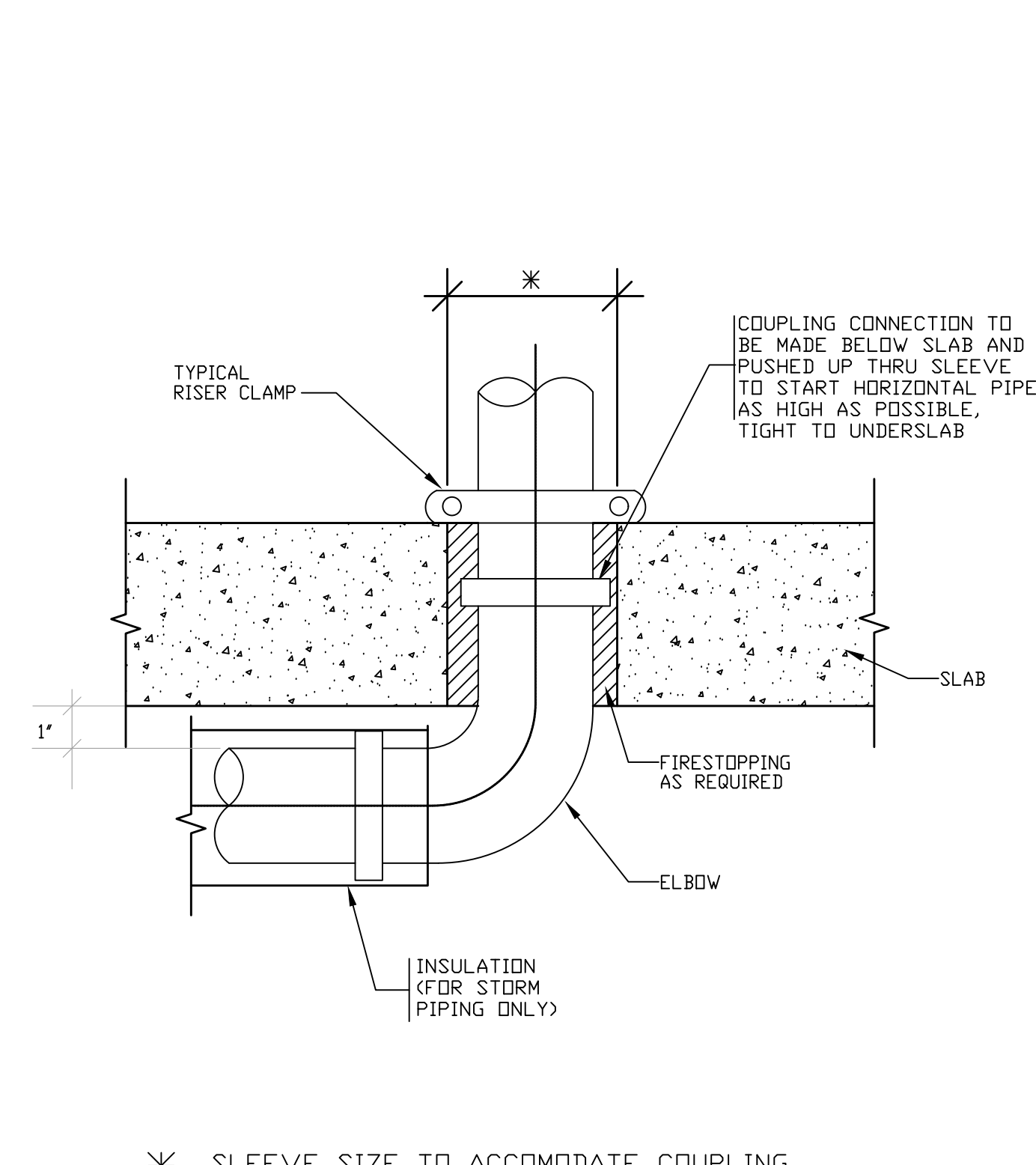
CLEVIS HANGER  
NO SCALE



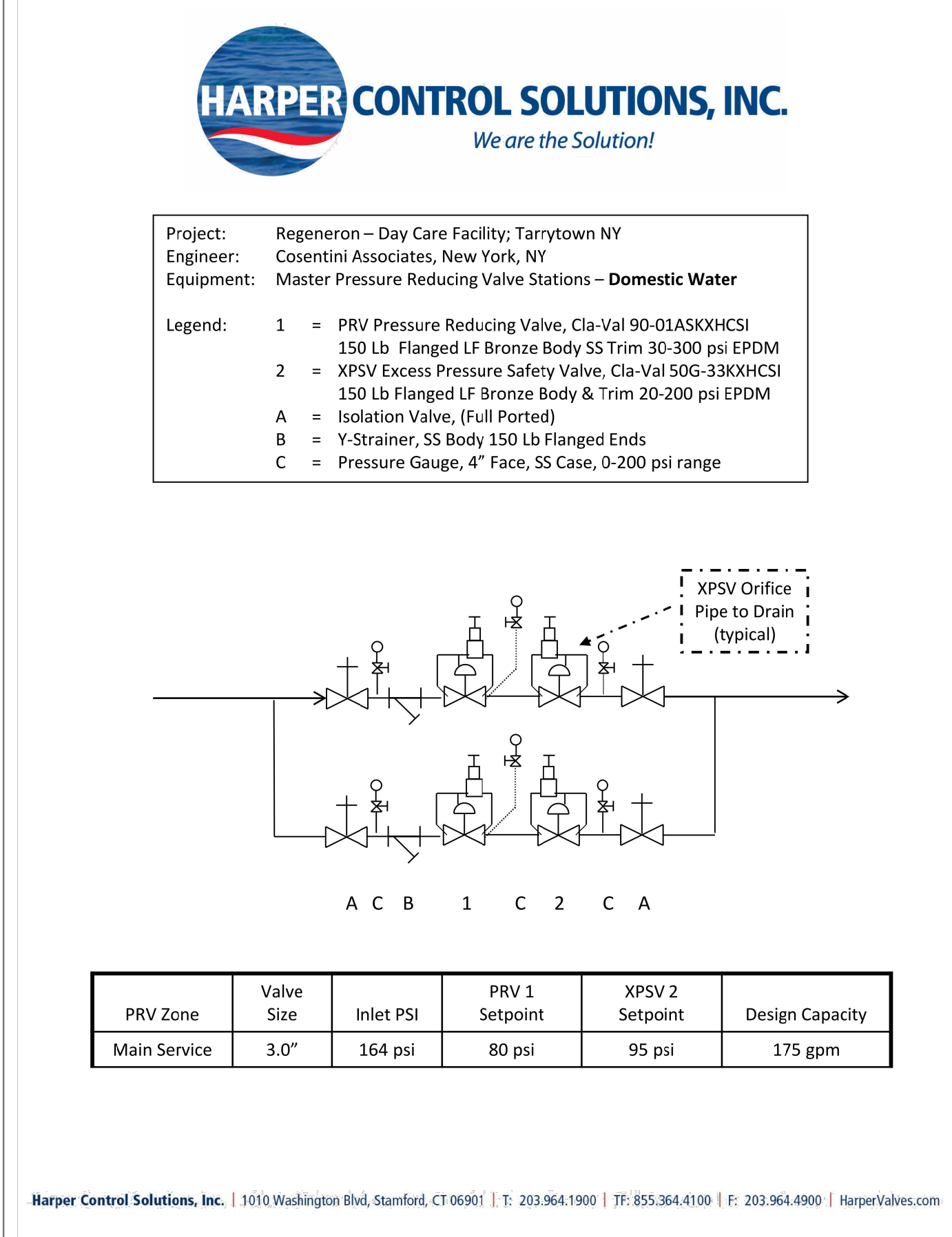
PIPE SUPPORT FOR  
UNDERGROUND DRAINAGE PIPING  
NOT TO SCALE



TYPICAL BALANCING VALVE RIG  
NO SCALE



TYPICAL VERTICAL-TURN-HORIZONTAL  
DRAIN PIPING DETAIL  
NO SCALE



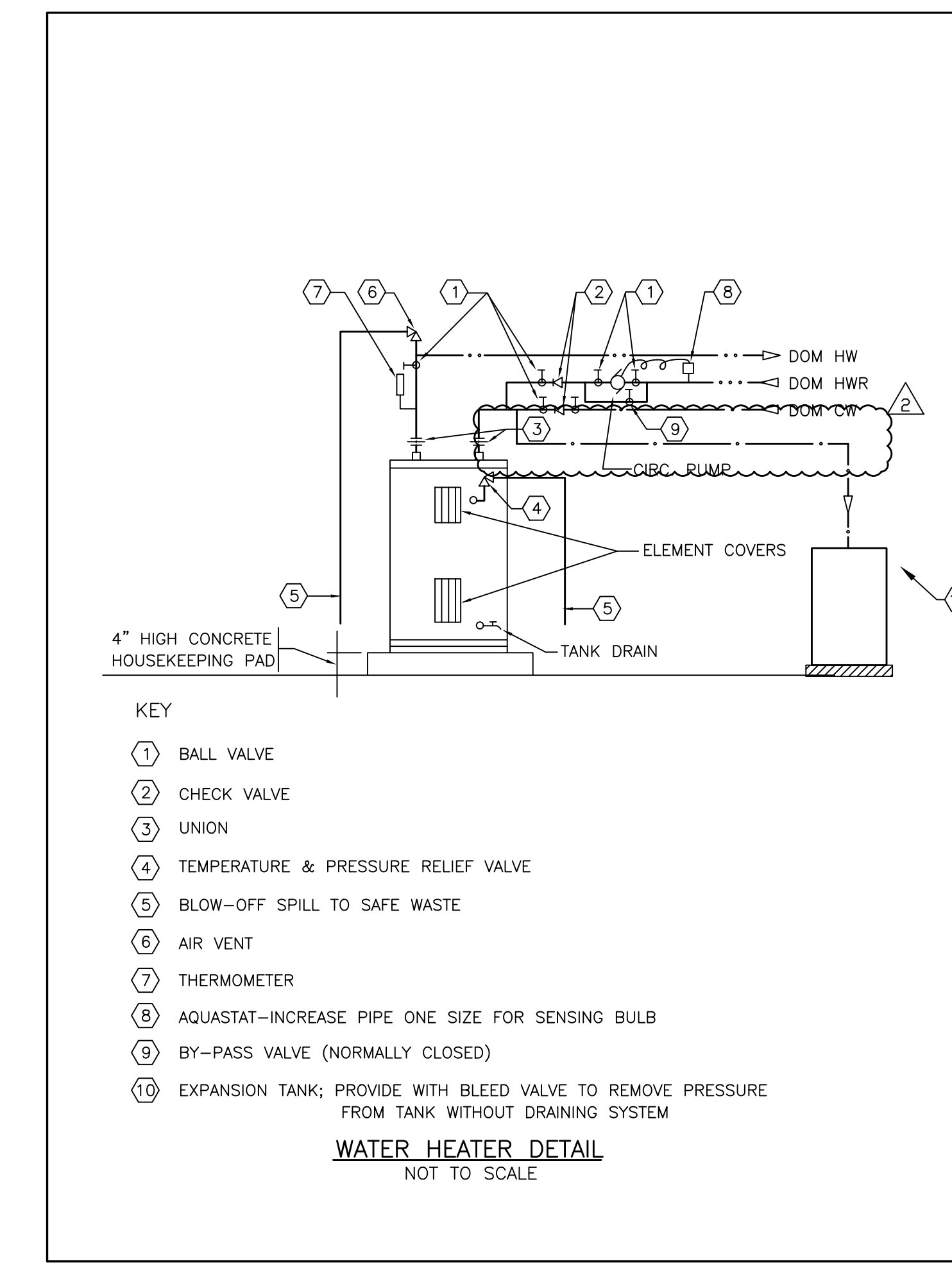
Project: Regeneron - Day Care Facility, Tarrytown NY  
Engineer: Cosentini Associates, New York, NY  
Equipment: Master Pressure Reducing Valve Stations - Domestic Water

Legend:

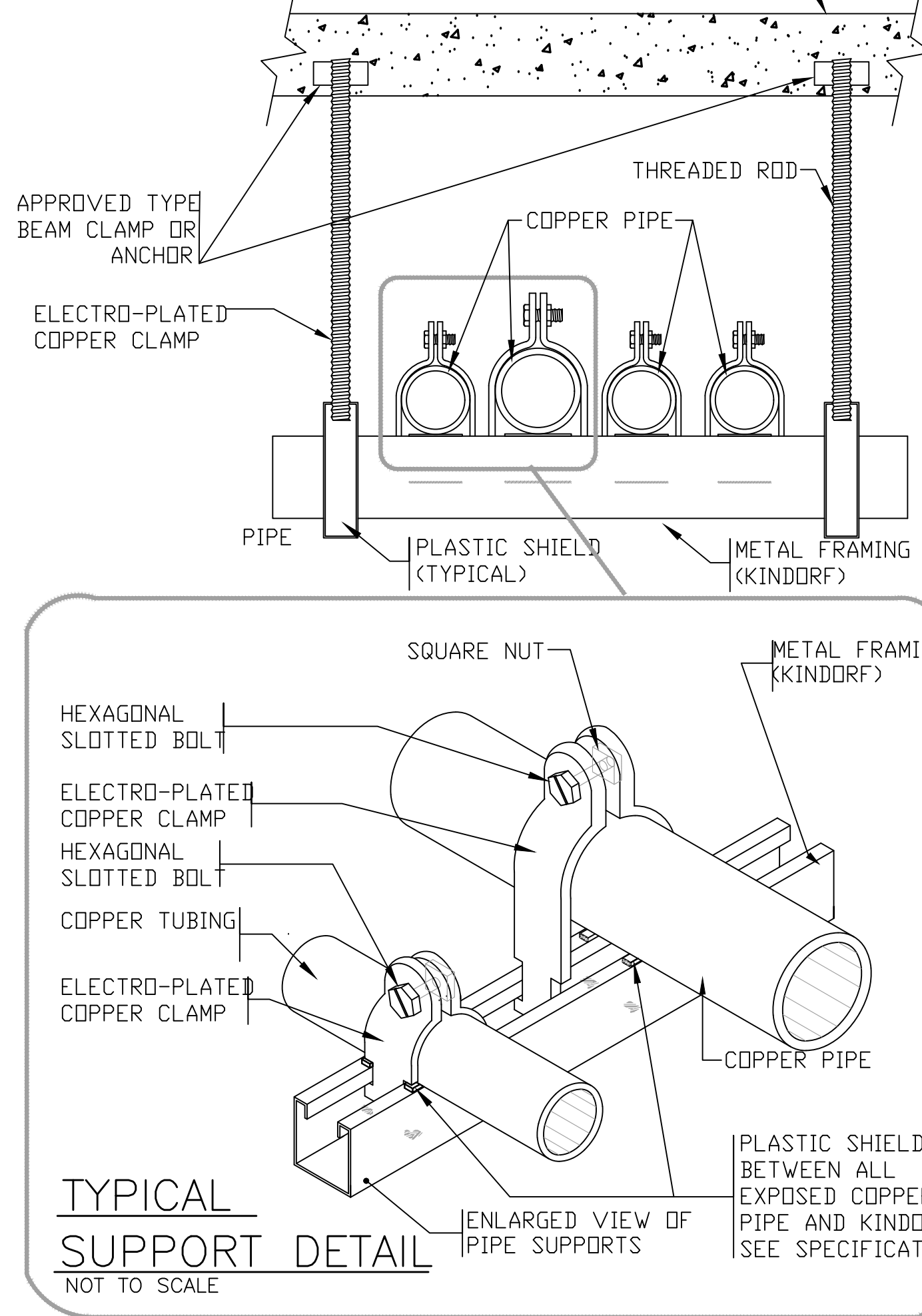
- 1 = PRV Pressure Reducing Valve, Cla-Val 90-02AS3KHCSI 150 lb Flanged LF Bronze Body SS Trim 30-300 psi EPDM
- 2 = XPSV Excess Pressure Safety Valve, Cla-Val 50G-33KHCSI 150 lb Flanged LF Bronze Body & Trim 20-200 psi EPDM
- A = Isolation Valve, (Full Ported)
- B = Y-Strainer, SS Body 150 lb Flanged Ends
- C = Pressure Gauge, 4" Face, SS Case, 0-200 psi range

PRV Zone	Valve Size	Inlet PSI	PRV 1 Setpoint	XPSV 2 Setpoint	Design Capacity
Main Service	3.0"	164 psi	80 psi	95 psi	175 gpm

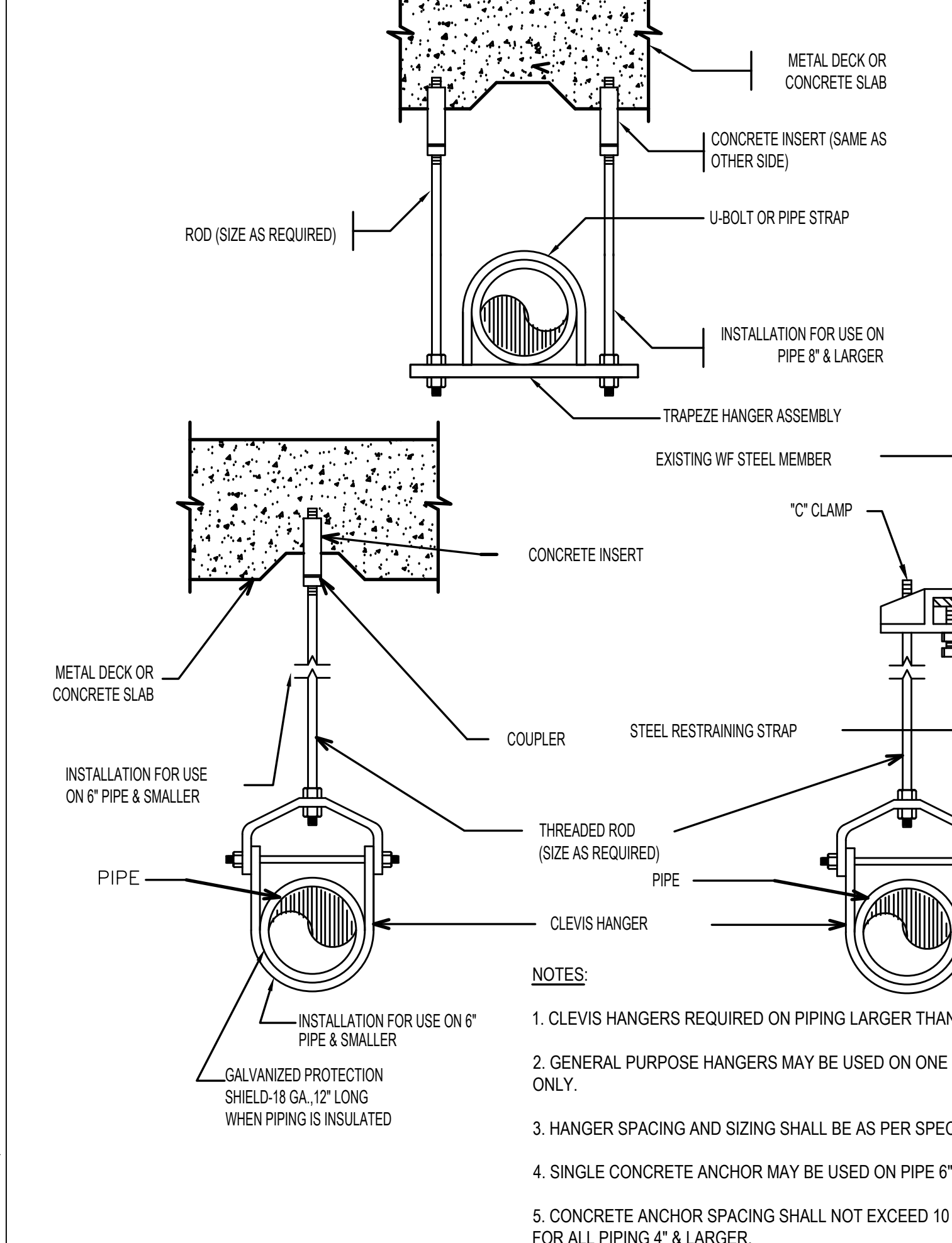
Harper Control Solutions, Inc. | 1010 Washington Blvd, Stamford, CT 06901 | T: 203.964.1900 | F: 203.964.4100 | E: 203.964.4000 | harpervalves.com



WATER HEATER DETAIL  
NOT TO SCALE

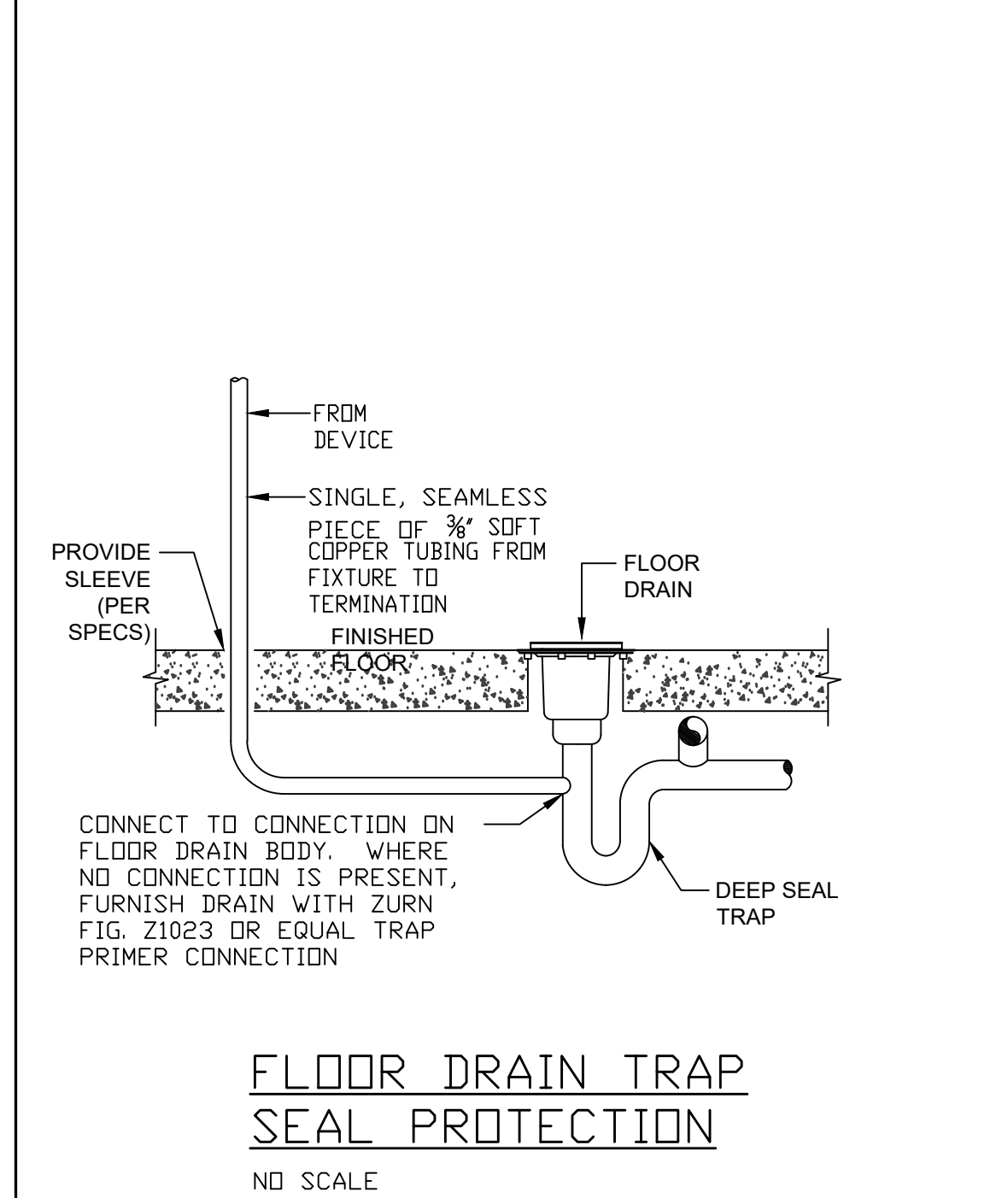


TYPICAL  
SUPPORT DETAIL  
NOT TO SCALE



NOTES:

1. CLEVIS HANGERS REQUIRED ON PIPING LARGER THAN ONE INCH.
2. GENERAL PURPOSE HANGERS MAY BE USED ON ONE INCH PIPING ONLY.
3. HANGER SPACING AND SIZING SHALL BE AS PER SPECIFICATION.
4. SINGLE CONCRETE ANCHOR MAY BE USED ON PIPE 6" & SMALLER.
5. CONCRETE ANCHOR SPACING SHALL NOT EXCEED 10 FEET APART FOR ALL PIPING 4" & LARGER.



FLOOR DRAIN TRAP  
SEAL PROTECTION  
NO SCALE

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NOTE: PLUMBING CONTRACTOR TO COORDINATE CONNECTIONS TO OUTGOING STORM AND SANITARY SEWERS INCLUDING ANY REQUIRED MATERIAL TRANSITIONAL FITTINGS WITH THE CIVIL ENGINEER

WALL HYDRANT SCHEDULE				
DESIGNATION	LOCATION	MANUFACTURER & MODEL NO.		NOTES
AFWH	SEE PLANS	ZURN	Z1320XL	COORDINATE LOCATIONS WITH ARCHITECT

NOTES:

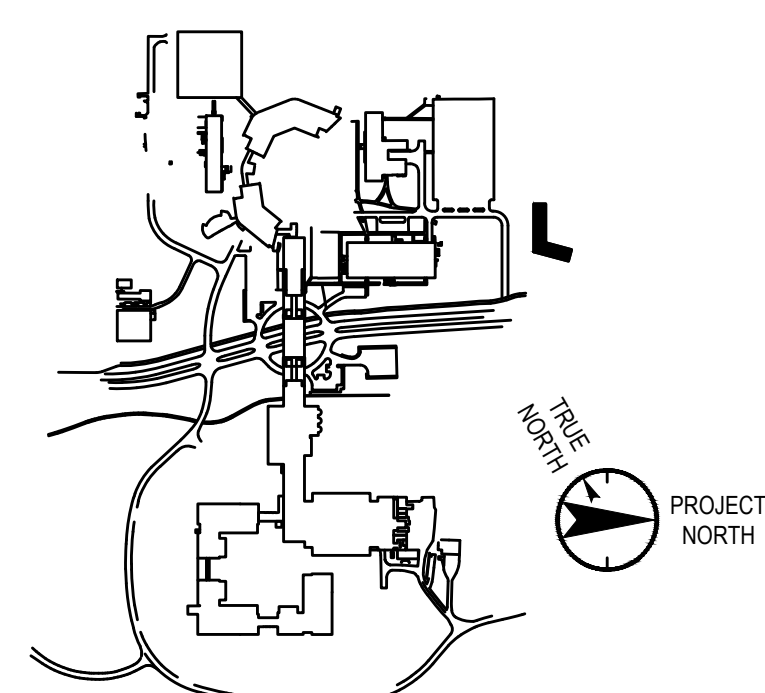
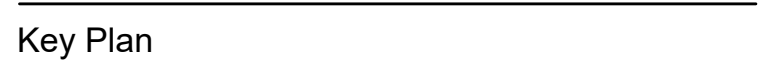
1. THIS VALVE SCHEDULE IS BASED ON MILWAUKEE VALVES; OTHER MANUFACTURERS AS INDICATED
2. ALL VALVES USED FOR DOMESTIC WATER 2" OR SMALLER SHALL COMPLY WITH THE LEAD FREE REQUIREMENTS.

**NOTES:**

- 1) ALL DOMESTIC WATER HEATING EQUIPMENT SHALL BE EQUIPPED WITH A TEMPERATURE & PRESSURE RELIEF VALVE, EXCEPT FOR POINT OF USE TYPE WITHOUT STORAGE. EACH DOMESTIC WATER SYSTEM SHALL BE EQUIPPED WITH AN EXPANSION TANK OF SUFFICIENT SIZE TO ACCOMMODATE THERMAL EXPANSION OF THE WATER CONTAINED THEREIN.
- 2) WATER DELIVERED TO PUBLIC HAND-WASHING FACILITIES TO BE TEMPERED TO A TEMPERATURE BETWEEN 85 AND 110 DEGREES FAHRENHEIT VIA A LOCALLY INSTALLED WATER TEMPERATURE LIMITING DEVICE CONFORMING TO ASSE 1070 OR CSA B125.3 AS REQUIRED BY CODE.

NOTE:  
(ALL RECIRCULATION PUMPS TO BE "ALL BRONZE" IN LINE)

NOTE: SEE ARCHITECTURAL  
DRAWING A-602 FOR PLUMBING  
FIXTURE SCHEDULE



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Vendor Project No.: 210104  
Discipline: Plumbing Drawn By: DH

Scale: NTS                      Floor: N/A

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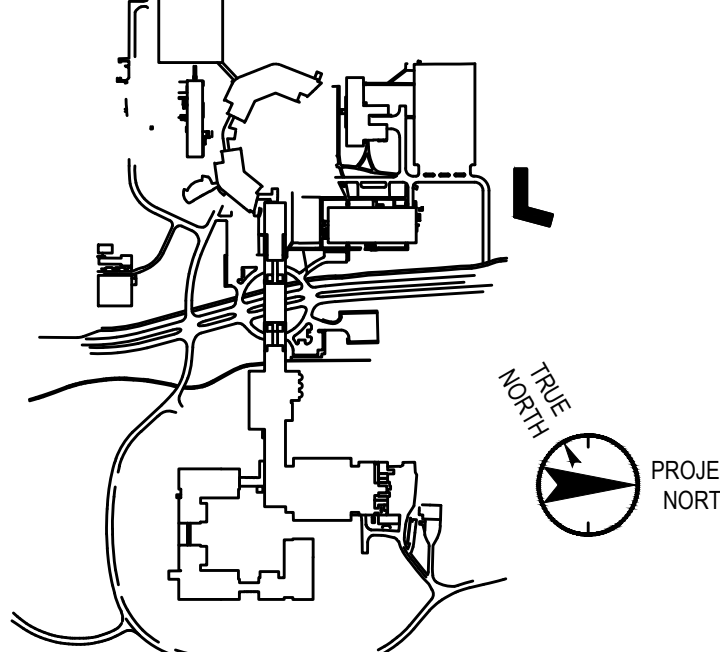
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Vendor Name: COSENTINI  
Vendor Project No.: 210104  
Discipline: Plumbing Drawn By: DH

PLUMBING  
RISER DIAGRAMS

Scale: NTS Floor: N/A

P-700

Main Line Fire Protection Corp.

Automatic Sprinkler Systems  
54-2 Hudson Ave. Suite 200, 2nd Floor  
New York, NY 10014

Hydrant Flow Test Report

J&T/CK, B17  
161-Location: Regeneron North Campus - Town of Mt Pleasant,  
NY  
Test Date: 11/5/2021

Control Hydrant Location: Outside loading dock building 8

Flow Hydrant Location: 600 ft east of control hydrant.

Diffuser: 2.5

Static: 185 PSI

Residual: 125 PSI

Gallons per Minute: 1200 GPM

Should you have any questions feel free to call.

Sincerely Yours,

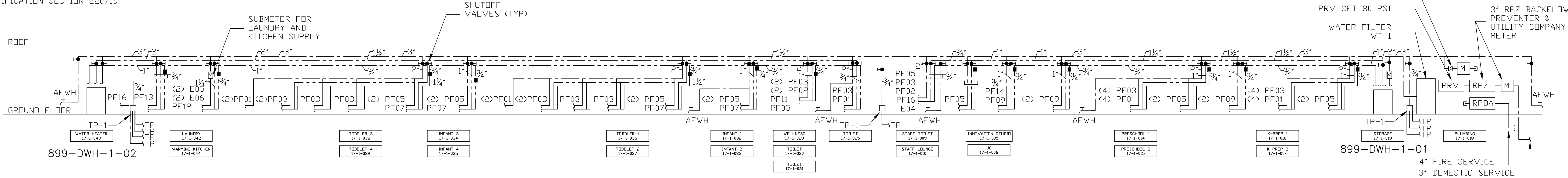
Michael J. Jurek

Michael Jurek

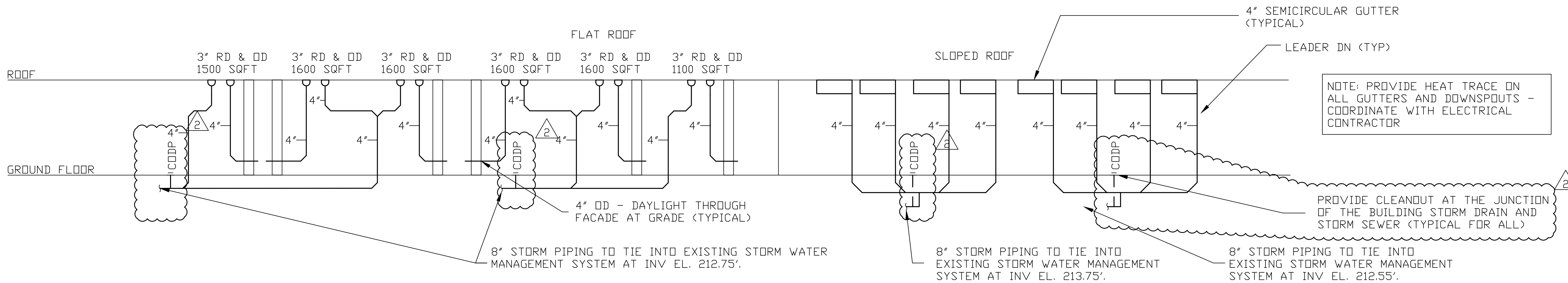
NOTE: SEE ARCHITECTURAL  
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FIXTURE SCHEDULE

NOTE: ALL DOMESTIC WATER PIPING TO  
BE INSULATED TO FOLLOW SECTION  
C404.4 AND TABLE C403.11.3 OF THE  
ECCNYS CODE. ALSO, REFER TO BOOK  
SPECIFICATION SECTION 220719

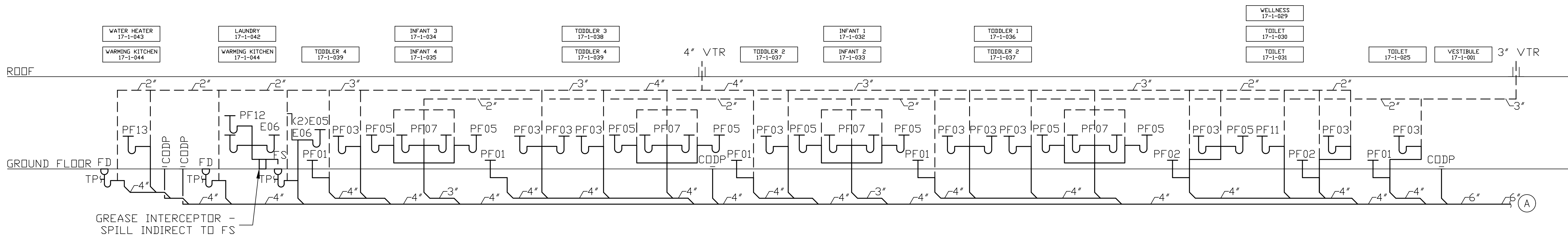
DOMESTIC WATER RISER DIAGRAM



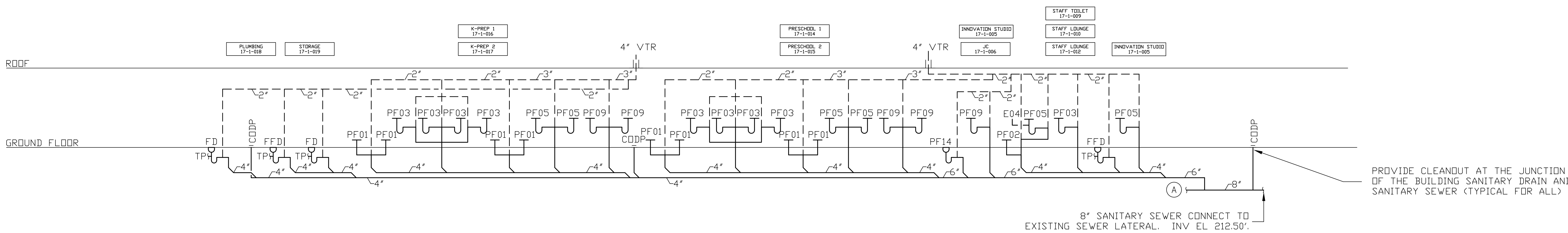
STORM RISER DIAGRAM



SANITARY RISER DIAGRAM - NORTH WING



SANITARY RISER DIAGRAM - EAST WING



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