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No.	Date	Revisions / Submissions
-	01-19-23	DESIGN DEVELOPMENT
-	08-16-24	ISSUED

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Project Title

THE SALVATION ARMY WAREHOUSE
440 WEST NYACK ROAD
WEST NYACK, NY 10994

Sheet Title

PLUMBING SITE PLAN

Date

08/23/22

Project ID

23100

Drawn By

TSF

Checked By

TSF

Scale

AS NOTED

Sheet No.

P-001

Sign and Seal

STATE OF NEW YORK

NICHOLAS P. TROTTA

071681

PROFESSIONAL ENGINEER

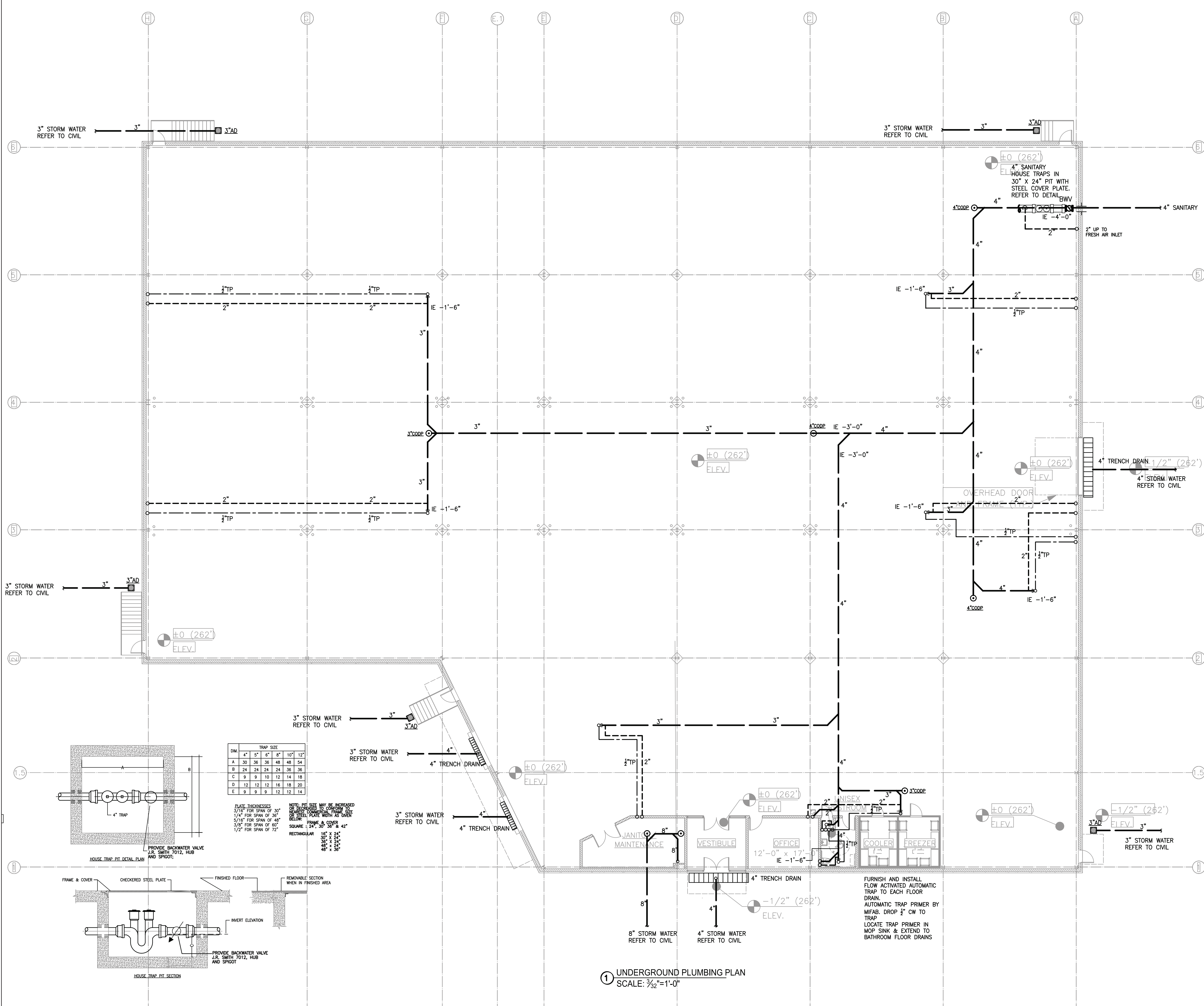
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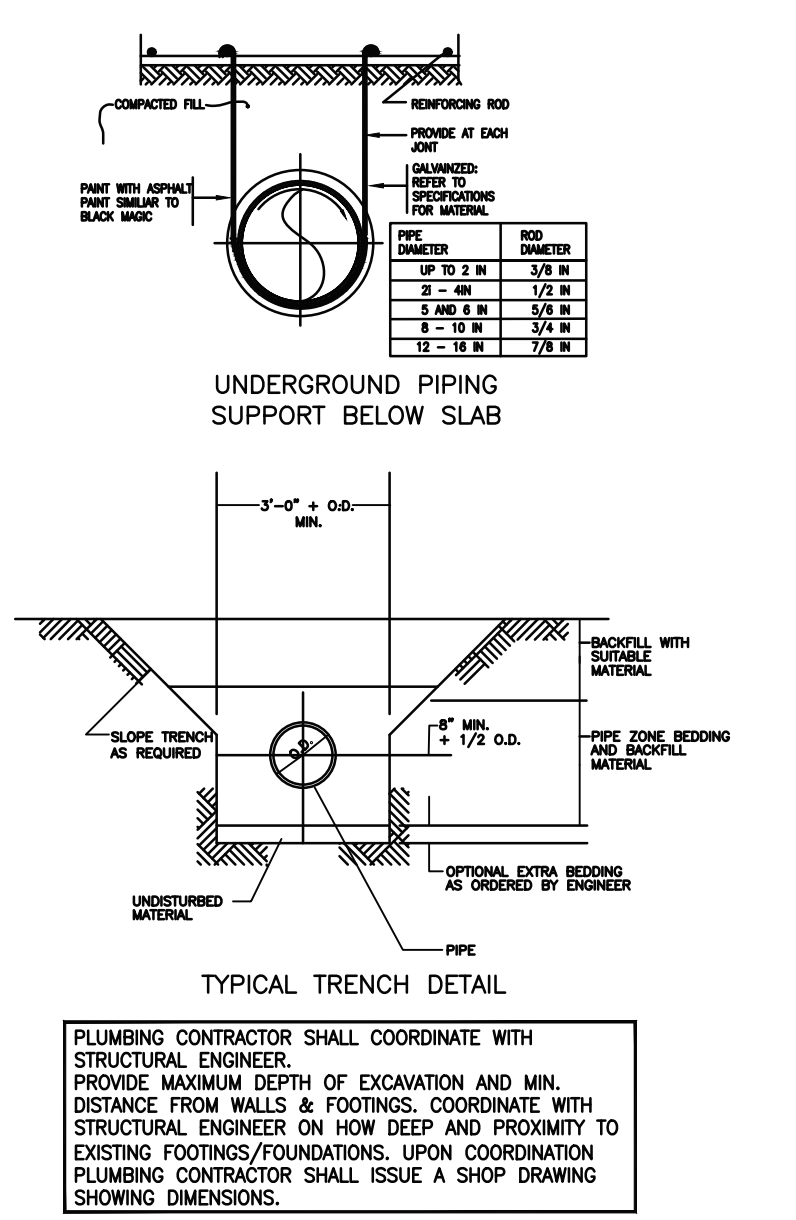
DESIGN DEVELOPMENT

NOT FOR CONSTRUCTION



- PLUMBING MATERIALS**
- 1. MATERIALS**
- A. SANITARY DRAINAGE AND VENT ABOVE GROUND:**
- 1) PIPE AND FITTINGS: CAST IRON HUBLESS SOIL PIPE, CISPI 301.SERVICE WEIGHT.
 - 2) JOINTS: 24 GAUGE, 304 STAINLESS STEEL COUPLINGS WITH NEOPRENE GASKETS, RATED FOR 15 PSI AND REQUIRING A MINIMUM OF 100 INCH/LBS OF TORQUE, SIMILAR TO HUSKY 4000
 - 3) CAREFULLY NOTE MANUFACTURER'S RECOMMENDATIONS REGARDING ADDITIONAL SUPPORTS REQUIRED FOR NO HUB PIPING INSTALLATIONS, AND INSTALL PIPING IN ACCORDANCE WITH THOSE
- B. SANITARY DRAINAGE AND VENT BELOW GROUND:**
- 1) PIPE AND FITTINGS: EXTRA HEAVY CAST IRON HUBLESS SOIL PIPE, 301.SERVICE WEIGHT.
 - 2) JOINTS: 24 GAUGE, 316 STAINLESS STEEL COUPLINGS WITH NEOPRENE GASKETS, RATED FOR 15 PSI AND REQUIRING A MINIMUM OF 100 INCH/LBS OF TORQUE, SIMILAR TO HUSKY CR7000 POLYWRAP COUPLINGS
- C. STORM DRAINAGE BELOW GROUND:**
- 1) PIPE AND FITTINGS: EXTRA HEAVY CAST IRON HUBLESS SOIL PIPE, 301.SERVICE WEIGHT.
 - 2) JOINTS: 24 GAUGE, 316 STAINLESS STEEL COUPLINGS WITH NEOPRENE GASKETS, RATED FOR 15 PSI AND REQUIRING A MINIMUM OF 100 INCH/LBS OF TORQUE, SIMILAR TO HUSKY CR7000 POLYWRAP COUPLINGS
- D. STORM DRAINAGE ABOVE GROUND:**
- 1) PIPE AND FITTINGS: CAST IRON HUBLESS SOIL PIPE, CISPI 301.SERVICE WEIGHT.
 - 2) JOINTS: 24 GAUGE, 304 STAINLESS STEEL COUPLINGS WITH NEOPRENE GASKETS, RATED FOR 15 PSI AND REQUIRING A MINIMUM OF 100 INCH/LBS OF TORQUE, SIMILAR TO HUSKY 4000
 - 3) CAREFULLY NOTE MANUFACTURER'S RECOMMENDATIONS REGARDING ADDITIONAL SUPPORTS REQUIRED FOR NO HUB PIPING INSTALLATIONS, AND INSTALL PIPING IN ACCORDANCE WITH THOSE
- E. DOMESTIC HOT & COLD WATER BELOW GROUND:**
- 1) PIPE AND FITTINGS: TYPE "K" COPPER
- F. TRAP PRIMER SUPPLY COLD WATER BELOW GROUND:**
- 1) PIPE AND FITTINGS: TYPE "K" COPPER
- 2. CLEANOUTS**
- A. PROVIDE CAST BRONZE CLEANOUTS IN ACCORDANCE WITH ANSI A112.36.2 FULL SIZE UP TO 4 IN.**
- B. FOR PIPING BURIED UNDER FLOOR: EXTEND PIPING AND TERMINATE WITH ROUND NICKEL BRONZE TOP, SIMILAR U.R. SMITH NO. 4890. PROVIDE TWO SPANNER WRENCHES OF EACH SIZE USED.**

- NOTES:**
1. ALL CLEANOUTS SHALL BE CAST BRONZE AS PER SPECIFICATIONS. RUBBER CAP CLEANOUTS WILL NOT BE ACCEPTABLE.
 2. PROVIDE DIELECTRIC UNIONS WHEN DISSIMILAR PIPE MATERIALS ARE JOINED.
1. PROVIDE DIELECTRIC UNIONS WHEN DISSIMILAR PIPE MATERIALS ARE JOINED.
2. ALL PLUMBING FIXTURES SHALL CONFORM TO NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, CERTIFIED PLUMBING FIXTURES.
- FOR ALL DRAINAGE LINES UTILIZE LONG-SWEEP 90'S AND WYE & BEND FITTINGS
- ALL UNDERGROUND FLOOR DRAINS PROVIDE ELECTRONIC TRAP SEAL PRIMER WITH AIR GAP TO EACH FLOOR DRAIN. ELECTRONIC TRAP PRIMER BY MIFAB MI-300-DU



PLUMBING CONTRACTOR SHALL COORDINATE WITH STRUCTURAL ENGINEER. ALL PIPING RUNNING PARALLEL TO WALLS AND ANY EQUIPMENT OR GROUPED PIPING THAT MAY REQUIRE LARGER EXCAVATION WIDTHS. EXCAVATION LOCATIONS SHALL BE COORDINATED WITH STRUCTURAL ENGINEER AND INSPECTING ENGINEER OF RECORDS. PLUMBING CONTRACTOR SHALL LOCATED PIPING AND EQUIPMENT A MINIMUM DISTANCE AS PER STRUCTURAL ENGINEER FROM THE EDGE OF FOUNDATIONS/FOOTING AND EXCAVATION SHALL NOT EXCEED DISTANCE AS PER STRUCTURAL ENGINEER. TRENCHING SHALL NOT EXTEND INTO THE BEARING PLANE OF A FOOTING OR WALL. THE UPPER BOUNDARY OF THE BEARING PLANE IS A LINE THAT EXTEND DOWNWARD AT AN ANGLE OF 45 DEGREES FROM HORIZONTAL, FROM THE OUTSIDE BOTTOM EDGE OF THE FOOTING OR WALL.

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Project Title: **THE SALVATION ARMY WAREHOUSE**
440 WEST NYACK ROAD
WEST NYACK, NY 10994

Sheet Title: **UNDERGROUND PLUMBING PLAN**

Date: 08/23/22
Project ID: 23100
Drawn By: TSF
Checked By: TSF
Scale: AS NOTED
Sheet No.

Sign and Seal

P-101

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Project Title

**THE SALVATION
ARMY WAREHOUSE**

440 WEST NYACK ROAD
WEST NYACK, NY 10994

Sheet Title

**FIRST FLOOR
PLUMBING PLAN**

Date

08/23/22

Project ID

23100

Drawn By

TSF

Checked By

TSF

Scale

AS NOTED

Sheet No.

P-102

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**DESIGN DEVELOPMENT
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FINAL FINISH AS PER ARCHITECT.
OR EQUAL TYPICAL FOR ALL

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RECESSED : JR SMITH 5515, CL.WC.NB
FINAL FINISH AS PER ARCHITECT.
OR EQUAL TYPICAL FOR ALL

PROVIDE GAS VALVE AND
CAPPED OUTLET FOR THE
UH300.
FINAL CONNECTION TO THE
EQUIPMENT SHALL BE MADE
BY THE H&V CONTRACTOR;
COORDINATE WITH HVAC
CONTRACTOR FOR EXACT
LOCATION.
(TYPICAL FOR ALL UNITS)

PROVIDE GAS VALVE AND
CAPPED OUTLET FOR THE
UH300.
FINAL CONNECTION TO THE
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CONTRACTOR FOR EXACT
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NEW 2" NYC APPROVED TYPE DOMESTIC WATER
METER WITH REDUCED PRESSURE ZONE ASSEMBLY
BY WILKINS (LEAD-FREE)
LOCATED BELOW: 6" DOUBLE CHECK-DETECTOR
ASSEMBLY:
(BY PLUMBING CONTRACTOR) REFER TO APPROVED
DEP "CROSS CONNECTION" APPROVED DRAWINGS
AND APPLICATION FOR ALL REQUIREMENTS

NEW 6" OS&Y DOUBLE CHECK DETECTOR
ASSEMBLY W/ BY-PASS METER;
LOCATED ABOVE 2" RPZ
(BY PLUMBING CONTRACTOR)
REFER TO APPROVED DEP "CROSS CONNECTION"
APPROVED DRAWINGS AND
APPLICATION FOR ALL REQUIREMENTS

PROVIDE GAS VALVE AND
CAPPED OUTLET FOR THE
GAS HEAT CURTAIN.
FINAL CONNECTION TO THE
EQUIPMENT SHALL BE MADE
BY THE H&V CONTRACTOR;
COORDINATE WITH HVAC
CONTRACTOR FOR EXACT
LOCATION.
(TYPICAL FOR ALL UNITS)

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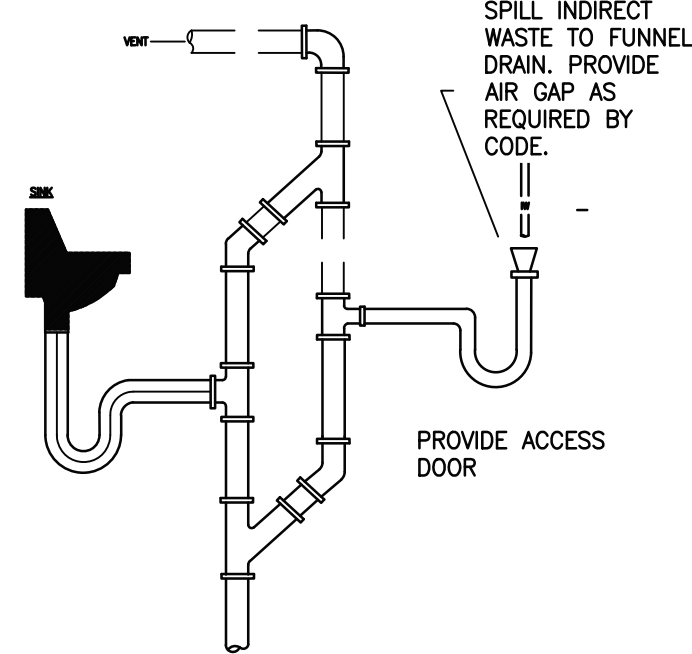
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OR EQUAL TYPICAL FOR ALL

FURNISH AND INSTALL
FLOW ACTIVATED AUTOMATIC
TRAP TO EACH FLOOR
DRAIN.
AUTOMATIC TRAP PRIMER BY
MIFAB. DROP 1" CW TO
TRAP
LOCATE TRAP PRIMER IN
MOP SINK & EXTEND TO
FLOOR DRAINS



FUNNEL DRAIN DETAIL

PLUMBING FIXTURE NOTES:

- FURNISH & INSTALL ONE (1) TANK TYPE, BOTTOM OUTLET, WATER CLOSET (4" SAN, 2" VENT, 3" CW), ONE (1) COUNTERTOP, SELF RIMMING TYPE LAVATORY (2" W., 1 1/2" V., 3" H&CW).
PROVIDE ALL NECESSARY & REQUIRED ROUGHING, VALVES AND TRIM FOR A COMPLETE INSTALLATION. REFER TO THE FIXTURE CONNECTION SCHEDULE FOR ADDITIONAL INFORMATION. REFER TO THE RISER DIAGRAMS FOR PIPING CONNECTIONS, SIZES AND VALVING. COORDINATE WITH ARCHITECTURAL DOCUMENTS FOR DIMENSIONAL DATA & FIXTURE SPECIFICATIONS.
HOT WATER FEED FROM TANKLESS HEATER LOCATED IN MOP SINK ROOM.
- FURNISH & INSTALL ONE (1) MOP SINK (3" SAN, 2" VENT, 3" HW & CW).
PROVIDE ALL NECESSARY & REQUIRED ROUGHING, VALVES AND TRIM FOR A COMPLETE INSTALLATION. REFER TO THE FIXTURE CONNECTION SCHEDULE FOR ADDITIONAL INFORMATION. REFER TO THE RISER DIAGRAMS FOR PIPING CONNECTIONS, SIZES AND VALVING. COORDINATE WITH ARCHITECTURAL DOCUMENTS FOR DIMENSIONAL DATA & FIXTURE SPECIFICATIONS.
TANKLESS ELECTRIC WATER HEATER: 4.0 GALLONS, 1.4 KW EXMAX MODEL MINI TANK, WITHIN 18" OF THE POINT OF USED
PROVIDE ALL NECESSARY AND REQUIRED ROUGHING, VALVES, ETC
- FURNISH & INSTALL ONE (1) DRINKING FOUNTAIN/BOTTLE FILLER (2" SAN, 2" VENT, 1" CW).
PROVIDE FILTERS: ELKAY 51300C WATER SENTRY PLUS FILTER CARTRIDGE
PROVIDE ALL NECESSARY & REQUIRED ROUGHING, VALVES AND TRIM FOR A COMPLETE INSTALLATION. REFER TO THE FIXTURE CONNECTION SCHEDULE FOR ADDITIONAL INFORMATION. REFER TO THE RISER DIAGRAMS FOR PIPING CONNECTIONS, SIZES AND VALVING. COORDINATE WITH ARCHITECTURAL DOCUMENTS FOR DIMENSIONAL DATA & FIXTURE SPECIFICATIONS.

GAS NOTES:

- CONTRACTOR SHALL COORDINATE EXACT LOCATION OF EQUIPMENT, & EXACT POINT OF GAS CONNECTION BEFORE INSTALLATION
- ALL NATURAL GAS PIPING MUST BE WELDED WHEN GAS PIPING IS ROUTED IN RATED WALLS, ANY SHAFTS AND CANNOT CROSS ANY
- NO GAS PIPING OR GAS CONSUMPTION DEVICES OR ANY OTHER GAS EQUIPMENT EQUIPMENT SHALL BE INSTALLED WITHIN SPACE HOUSING A FIRE PUMP.

STORM WATER NOTES:

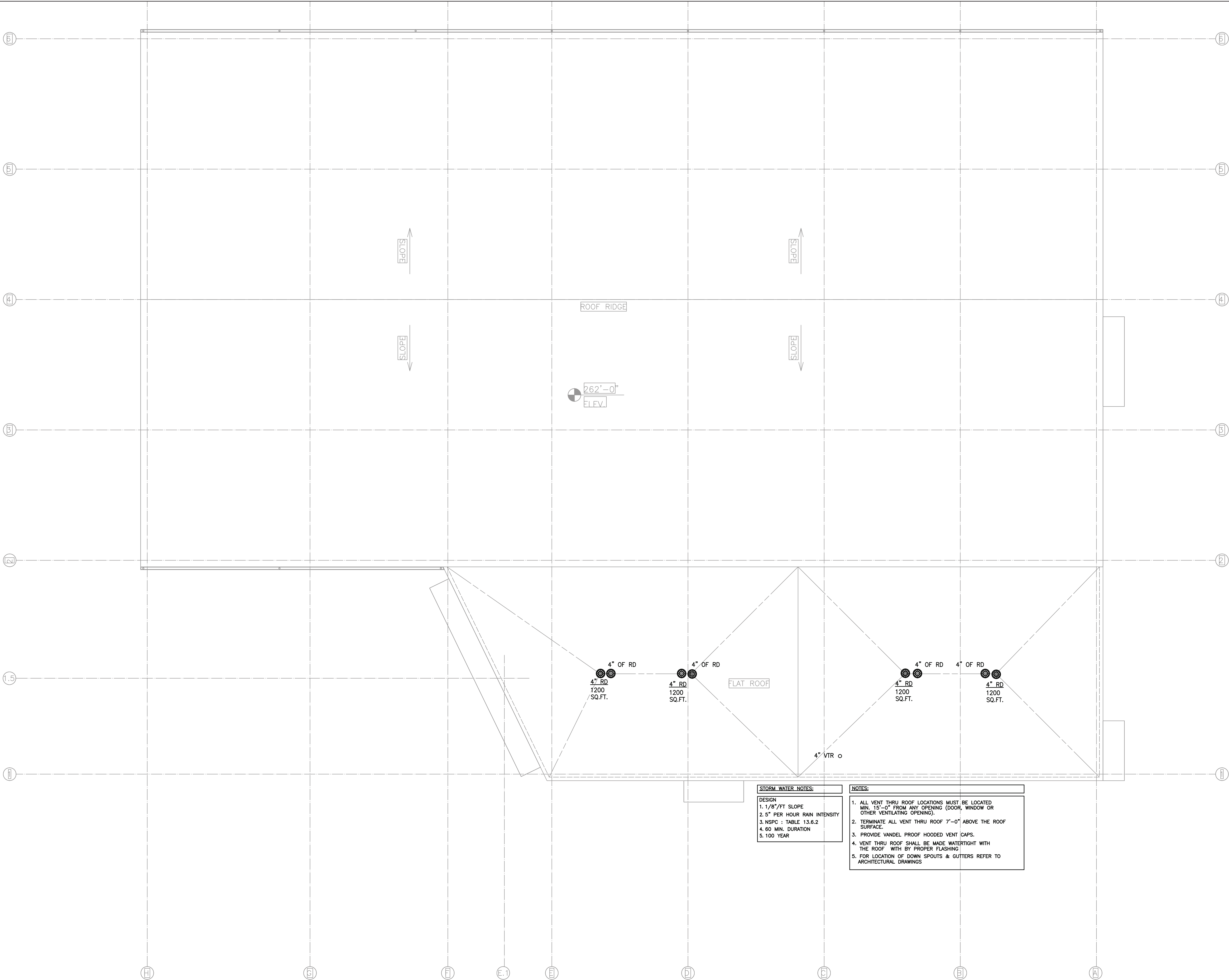
- DESIGN
1. 1/8" / FT SLOPE
 2. 5" PER HOUR RAIN INTENSITY
 3. NSPC : TABLE 13.6.2
 4. 60 MIN. DURATION
 5. 100 YEAR

- PROVIDE DIELECTRIC UNIONS WHEN DISSIMILAR PIPE MATERIALS ARE JOINED.
- ALL PLUMBING FIXTURES SHALL CONFORM TO NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, CERTIFIES PLUMBING FIXTURES.
- ALL CLEANOUTS SHALL BE CAST BRONZE AS PER SPECIFICATIONS. RUBBER CAP CLEANOUTS WILL NOT BE ACCEPTABLE.

FOR ALL DRAINAGE LINES UTILIZE LONG-SWEEP 90'S AND WYE 1/8" BEND FITTINGS

NOTES:
ALL STORM WATER & SANITARY PIPING TO BE INSULATED & SOUNDPROOFED. (TYPICAL FOR ALL AT CLG)
ALL COUPLING SHALL BE 24 GAUGE 204 STAINLESS STEEL
EXTRA WIDE, MIN. 80 IN. LBS. TORQUE PER BAND.

ALL UNDERGROUND FLOOR DRAINS
PROVIDE ELECTRONIC TRAP
SEAL PRIMER WITH AIR GAP TO EACH FLOOR
DRAIN. ELECTRONIC TRAP PRIMER BY MIFAB
MI-300-DU



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THE SALVATION ARMY WAREHOUSE

440 WEST NYACK ROAD
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FIRST FLOOR PLUMBING PLAN

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DESIGN DEVELOPMENT
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GENERAL NOTES

1. PLUMBING WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2020 CITY OF NEW YORK STATE BUILDING CODE AND SHALL CONFORM TO ALL OTHER APPLICABLE DIRECTIVES, RULES, REGULATIONS AND AUTHORITIES HAVING JURISDICTION.

2. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS. EXACT LOCATION SHALL BE COORDINATED WITH ALL TRADES, THE STRUCTURAL DRAWINGS, ARCHITECTURAL DRAWINGS, AND/OR GENERAL CONTRACTOR AND CONSTRUCTION MANAGER.

3. LOCATION OF PIPING ARE APPROXIMATE. COORDINATE THE LOCATIONS AND SIZES OF PIPING IN THE FIELD. IF ANY DISCREPANCIES OCCUR WITH THE CONTRACT DRAWINGS, NOTIFY THE ARCHITECT AND/OR THE ENGINEER PRIOR TO COMMENCEMENT OF NEW WORK.

4. ALL EXPOSED PIPING PENETRATIONS THROUGH WALLS OR CEILINGS SHALL BE PROVIDED WITH APPROPRIATE FIRE RETARDANT SEALANT AND ESCUTCHEONS.

5. SEAL OPENINGS AROUND PLUMBING WORK AND PIPING THROUGH PARTITIONS, WALLS AND FLOORS (NOT IN SHAFTS) WITH NON-COMBUSTIBLE MATERIAL AND ESCUTCHEONS.

6. SUBMISSION OF A PROPOSAL SHALL BE EVIDENCE THAT A CAREFUL EXAMINATION OF THE SITE, DRAWINGS & SPECIFICATIONS HAVE BEEN MADE AND THE CONTRACTOR IS FAMILIAR WITH THOSE ITEMS AND AREAS THAT WILL PRESENT DIFFICULTY TO THE PERFORMANCE OF THIS CONTRACT. LATER CLAIMS SHALL NOT BE MADE FOR LABOR, EQUIPMENT, ETC. NECESSARY TO COMPLETE ALL WORK AS A RESULT OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN.

7. THIS CONTRACTOR SHALL PAY FEES, GIVE NOTICE, FILE NECESSARY DRAWINGS AND OBTAIN PERMITS AND CERTIFICATES OF APPROVAL REQUIRED IN CONNECTION WITH WORK UNDER THIS CONTRACT AND COMPLY WITH LOCAL LAWS AND ORDINANCES.

8. PROVIDE ALL REQUIRED LABOR, MATERIALS, EQUIPMENT, AND SERVICES NECESSARY FOR A COMPLETE AND SAFE INSTALLATION OF MECHANICAL IN FULL CONFORMITY WITH REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION; ALL AS INDICATED ON DRAWINGS AND/OR HEREIN SPECIFIED FOR THE SYSTEMS INCLUDED. WORK SHALL BE INSTALLED IN A NEAT, WORKMANLIKE MANNER. INCLUDE ALL COSTS FOR PERMITS, LICENSES, CERTIFICATES, FILING AND INSPECTIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION.

9. UNDER NO CIRCUMSTANCES WILL THIS CONTRACTOR, OR HIS WORKMEN, BE PERMITTED TO USE ANY PART OF THE BUILDING AS A SHOP EXCEPT PARTS AS DESIGNATED FOR SUCH USE.

10. REFER TO ARCHITECTURAL DRAWINGS FOR FINAL ADDITIONAL INFORMATION.

11. ALL WORK MUST BE COORDINATED AROUND THE OPERATION OF THE FACILITY.

12. STORE MATERIALS IN DESIGNATED SPACES.

13. UNNECESSARY NOISE SHALL BE AVOIDED AT ALL TIMES AND NECESSARY NOISE SHALL BE REDUCED TO A MINIMUM.

14. ALL APPLICABLE CODES, LAWS AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE CONSTRUCTION DOCUMENTS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR WHO SHALL INFORM THE OWNER, PRIOR TO SUBMITTING A PROPOSAL OF ANY WORK OR MATERIALS WHICH VIOLATE ANY OF THE ABOVE LAWS AND REGULATIONS. ANY WORK DONE BY THE CONTRACTOR CAUSING SUCH VIOLATION SHALL BE CORRECTED BY THE CONTRACTOR.

15. REMOVAL OF CERTAIN EXISTING SITE WORK WILL BE NECESSARY FOR THE PERFORMANCE OF THE GENERAL WORK. ALL EXISTING CONDITIONS CANNOT BE COMPLETELY DETAILED ON THE DRAWINGS. THE CONTRACTOR SHALL SURVEY THE SITE AND INCLUDE ALL CHANGES IN MAKING UP WORK PROPOSAL.

16. DISCONNECT, REMOVE AND/OR RELOCATE EXISTING SITE MATERIAL, EQUIPMENT, AND OTHER WORK AS NOTED OR REQUIRED FOR PROPER INSTALLATION OF SYSTEM.

17. THE CONTRACTOR SHALL KEEP ALL EQUIPMENT AND MATERIALS, AND ALL PARTS OF THE BUILDING, EXTERIOR SPACES AND ADJACENT STREETS, SIDEWALKS AND PAVEMENTS, FREE FROM MATERIAL AND DEBRIS RESULTING FROM THE EXECUTION OF THIS WORK. EXCESS MATERIALS WILL NOT BE PERMITTED TO ACCUMULATE EITHER ON THE INTERIOR OR THE EXTERIOR.

18. THE CONTRACTOR SHALL FURNISH A WRITTEN GUARANTEE TO REPLACE OR REPAIR PROMPTLY AND ASSUME RESPONSIBILITY FOR ALL EXPENSES INCURRED FOR ANY WORKMANSHIP AND EQUIPMENT IN WHICH DEFECTS DEVELOP WITHIN ONE YEAR FROM THE DATE OF ACCEPTANCE BY OWNER. THIS WORK SHALL BE DONE AS DIRECTED BY THE DATE OF ACCEPTANCE BY OWNER. THIS WORK SHALL BE DONE AS DIRECTED BY THE OWNER. THIS GUARANTEE SHALL ALSO PROVIDE THAT WHERE DEFECTS OCCUR, CONTRACTOR WILL ASSUME RESPONSIBILITY FOR ALL EXPENSES INCURRED IN REPAIRING AND REPLACING WORK OF OTHER TRADES AFFECTED BY
19. ALL STAGING AND MATERIAL STORAGE AREAS SHALL BE LIMITED TO DESIGNATED AREA.

20. THE CONTRACTOR SHALL INCLUDE ALL COSTS FOR REMOVALS IN THE CONTRACT. THESE COSTS SHALL INCLUDE WORK DESCRIBED IN THE SPECIFICATIONS AND SHOWN ON THE DRAWINGS WITH ALLOWANCES FOR UNFORESEEN DIFFICULTIES.

21. PROVIDE ALL NECESSARY PIPING OFFSETS AND CHANGES IN DIRECTION TO ACCOMPLISH A COMPLETE INSTALLATION.

22. PLUMBING CONTRACTOR SHALL COORDINATE ALL TIE-INS, PLUS REMOVALS WITH GENERAL CONTRACTOR.

23. NEW WORK AND EQUIPMENT SHALL BE THOROUGHLY CLEANED AND MADE READY FOR USE.

24. REFER TO DRAWINGS FOR AREA OF CONSTRUCTION.

25. SUPPORT ALL PLUMBING WORK AND PIPING FROM BUILDING STRUCTURE AND/OR FRAMING IN AN APPROVED MANNER UTILIZING PIPE SUPPORTS, ETC., WHERE OVERHEAD CONSTRUCTION DOES NOT PERMIT FASTENING OF SUPPORTS FOR EQUIPMENT, FURNISH ADDITIONAL STEEL FRAMING.

26. INSTALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATION, MAINTENANCE AND REPAIR. MINOR DEVIATIONS FROM DRAWINGS MAY BE MADE TO ACCOMPLISH THIS, BUT CHANGES WHICH INVOLVE EXTRA COST SHALL NOT BE MADE WITHOUT APPROVAL.

27. ALL EQUIPMENT AND CONCRETE PADS SHALL BE COORDINATED WITH EQUIPMENT PURCHASED AND AS SPECIFIED OR INDICATED ON THE DRAWINGS.

28. CONTRACTOR SHALL PROVIDE ALL OTHER SUPPLEMENTARY STEEL REQUIRED FOR SUPPORTING PIPING.

29. DIMENSIONS SHOWN ON DRAWINGS ARE BASED ON PRELIMINARY DATA. CONTRACTOR TO COORDINATE ALL DIMENSIONS, ELEVATIONS AND CONNECTION REQUIREMENTS FOR FINAL CONNECTIONS UNLESS OTHERWISE NOTED.

30. ALL PIPING SHALL BE DELIVERED AND STORED AT THE SITE WITH END CAPS ON THE PIPES TO KEEP ANY MATERIAL OUT OF THE INSIDE OF THE PIPE UNTIL THE POINT OF INSTALLATION.

31. PROVIDE DIELECTRIC UNIONS WHEN DISSIMILAR PIPE MATERIALS ARE JOINED.

32. ALL GAS PIPING SHALL PITCH BACK TO THE RISER.

33. ALL HOSE BIBBS SHALL BE PROVIDED WITH INTEGRAL VACUUM BREAKER; 3/4" HOSE THREADED END WITH WALL FLANGE ON CONCEALED PIPING, SIMILAR TO SPEAKMAN SC-5911 CHROME PLATED OR EQUAL.

34. ALL WALL HYDRANT: NON-FREEZE PROTECTION, INTEGRAL VACUUM BREAKER, POLISHED BRONZE RECESSED BOX, WITH T HANDLE KEY. ZURN MODEL Z-1300-WC

35. GAS VALVES SHALL NOT BE LOCATED ABOVE CEILING SPACES THAT ARE USED AS A PLENUM.

36. COORDINATE WORK WITH ALL OTHER TRADES AND PROVIDE OFFSETS IN PIPING SYSTEMS TO AVOID STRUCTURAL, ARCHITECTURAL, MECHANICAL INTERFERENCE.

GENERAL NOTES FOR PLUMBING CONSTRUCTION

- FOR CONSTRUCTION WORK

1. ALL PLUMBING WORK SHALL BE IN STRICT ACCORDANCE WITH THE NEW YORK STATE BLDG. CODE AND SHALL CONFORM TO ALL OTHER APPLICABLE LOCAL REGULATIONS AND CODES INCLUDING NFPA 99.

2. DRAWINGS ARE DIAGRAMMATIC & INDICATE GENERAL ARRANGEMENT OF SYSTEMS, EXACT LOCATIONS SHALL BE VERIFIED AND COORDINATED WITH ALL DISCIPLINES, ARCHITECT'S DRAWINGS AND CONSTRUCTION MANAGER.

3. ALL PIPING PENETRATIONS THROUGH WALLS OR CEILINGS SHALL BE PROVIDED WITH SLEEVES, WITH FIRE RETARDANT SEALANT AND ESCUTCHEONS.

4. SUBMISSION OF A PROPOSAL SHALL BE EVIDENCE THAT A CAREFUL EXAMINATION OF THE SITE, DRAWINGS & SPECIFICATIONS HAS BEEN MADE & THE CONTRACTOR IS FAMILIAR WITH THOSE ITEMS & AREAS THAT WILL PRESENT DIFFICULTY TO THE PERFORMANCE OF THIS CONTRACT. LATER CLAIMS SHALL NOT BE MADE FOR LABOR, EQUIPMENT, ETC. NECESSARY TO COMPLETE ALL WORK AS A RESULT OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN.

5. EXISTING SANITARY MANHOLES AND COVERS, VALVE BOXES AND ALL EXISTING UNDERGROUND PIPING SHALL BE ADJUSTED AS REQUIRED BY EITHER RAISING OR LOWERING TO COMPLY WITH FINAL FINISHED GRADE ELEVATIONS AS INDICATED ON ARCHITECTURAL DRAWINGS. RELOCATE PIPING TO PROVIDE MINIMUM CODE REQUIRED DEPTH OF COVER.

6. NEW FRESH AIR INLET & ALL NEW UNDERGROUND PIPING SHALL BE INSTALLED AS REQUIRED TO COMPLY WITH MINIMUM CODE REQUIRED. DEPTH OF COVER TO COMPLY W/ FINAL FINISHED GRADE ELEVATIONS AS INDICATED ON ARCHITECTURAL DRAWINGS.

7. THE CONTRACTOR IS REQUIRED TO MAINTAIN THE PAVEMENT IN A SMOOTH, SAFE CONDITION.

8. THE CONTRACTOR MUST MAINTAIN A MINIMUM OF ONE FULL TRAFFIC LANE OPEN AT ALL TIMES.

9. AT THE END OF EACH WORK DAY, ALL TRENCHES MUST BE TEMPORARILY BACKFILLED AND COVERED WITH STEEL PLATES. ALL STEEL PLATES ARE TO BE ANCHORED AT ALL 4 CORNERS WITH 1/2"x4" PINS DRIVEN INTO FIRM PAVEMENT.

10. NO BITUMINOUS MATERIAL WILL BE ALLOWED TO BE DUMPED ON TOP OF EXIST. PAVEMENT

11. ALL MONUMENTS ENCOUNTERED SHALL BE PRESERVED.

12. ALL PAVEMENT WORK IS TO BE DONE IN ACCORDANCE WITH NEW YORK DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS 1990 AND INCLUDING ALL SUBSEQUENT UPDATES.

13. ALL EXCAVATIONS OR TRENCHING SHALL MEET OSHA STANDARDS.

14. THE TERM "OR EQUAL" SHALL MEAN "OR APPROVED EQUAL".

15. THE LOCATION AND ROUTING OF ALL UNDERGROUND PIPING SYSTEMS AND MANHOLE INCLUDING EXISTING BUILDING SERVICE TIE-IN, SHOWN ON THE DRAWING IS APPROXIMATE AND SHALL BE FIELD VERIFIED & COORDINATED PRIOR TO CONSTRUCTION AS REQUIRED TO ACCOMMODATE EXISTING CONDITIONS, SITE UTILITIES AND MANHOLE. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PROBES AND TEST PITS AS REQUIRED FOR THE PERFORMANCE OF THE WORK.

16. EXISTING UTILITY INFORMATION SHOWN ON THE DRAWINGS HAS BEEN COLLECTED FROM VARIOUS SOURCES AND IS NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS. THE CONTRACTOR SHALL VERIFY ALL INFORMATION TO HIS SATISFACTION PRIOR TO CONSTRUCTION. WHERE EXISTING UTILITIES ARE TO BE CROSSED BY PROPOSED CONSTRUCTION, TEST PITS SHALL BE PROVIDED BY THE CONTRACTOR PRIOR TO CONSTRUCTION TO ASCERTAIN EXISTING UTILITY INVERTS, ELEVATIONS, MATERIALS & SIZES. TEST PIT INFORMATION SHALL BE GIVEN TO THE ENGINEER PRIOR TO CONSTRUCTION TO PERMIT ADJUSTMENT TO CONSTRUCTION AS REQUIRED TO AVOID CONFLICTS. CONTRACTOR SHALL EXCAVATE 25 TEST PITS-MIN. 6'-0" DEEP.
1. ALL PLUMBING WORK SHALL BE IN STRICT ACCORDANCE WITH THE NEW YORK STATE BLDG. CODE AND SHALL CONFORM TO ALL OTHER APPLICABLE LOCAL REGULATIONS AND CODES INCLUDING NFPA 99.

2. DRAWINGS ARE DIAGRAMMATIC & INDICATE GENERAL ARRANGEMENT OF SYSTEMS, EXACT LOCATIONS SHALL BE VERIFIED AND COORDINATED WITH ALL DISCIPLINES, ARCHITECT'S DRAWINGS AND CONSTRUCTION MANAGER.

3. ALL PIPING PENETRATIONS THROUGH WALLS OR CEILINGS SHALL BE PROVIDED WITH SLEEVES, WITH FIRE RETARDANT SEALANT AND ESCUTCHEONS.

4. SUBMISSION OF A PROPOSAL SHALL BE EVIDENCE THAT A CAREFUL EXAMINATION OF THE SITE, DRAWINGS & SPECIFICATIONS HAS BEEN MADE & THE CONTRACTOR IS FAMILIAR WITH THOSE ITEMS & AREAS THAT WILL PRESENT DIFFICULTY TO THE PERFORMANCE OF THIS CONTRACT. LATER CLAIMS SHALL NOT BE MADE FOR LABOR, EQUIPMENT, ETC. NECESSARY TO COMPLETE ALL WORK AS A RESULT OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN.

5. EXISTING SANITARY MANHOLES AND COVERS, VALVE BOXES AND ALL EXISTING UNDERGROUND PIPING SHALL BE ADJUSTED AS REQUIRED BY EITHER RAISING OR LOWERING TO COMPLY WITH FINAL FINISHED GRADE ELEVATIONS AS INDICATED ON ARCHITECTURAL DRAWINGS. RELOCATE PIPING TO PROVIDE MINIMUM CODE REQUIRED DEPTH OF COVER.

6. NEW FRESH AIR INLET & ALL NEW UNDERGROUND PIPING SHALL BE INSTALLED AS REQUIRED TO COMPLY WITH MINIMUM CODE REQUIRED. DEPTH OF COVER TO COMPLY W/ FINAL FINISHED GRADE ELEVATIONS AS INDICATED ON ARCHITECTURAL DRAWINGS.

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10. NO BITUMINOUS MATERIAL WILL BE ALLOWED TO BE DUMPED ON TOP OF EXIST. PAVEMENT

11. ALL MONUMENTS ENCOUNTERED SHALL BE PRESERVED.

12. ALL PAVEMENT WORK IS TO BE DONE IN ACCORDANCE WITH NEW YORK DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS 1990 AND INCLUDING ALL SUBSEQUENT UPDATES.

13. ALL EXCAVATIONS OR TRENCHING SHALL MEET OSHA STANDARDS.

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16. EXISTING UTILITY INFORMATION SHOWN ON THE DRAWINGS HAS BEEN COLLECTED FROM VARIOUS SOURCES AND IS NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS. THE CONTRACTOR SHALL VERIFY ALL INFORMATION TO HIS SATISFACTION PRIOR TO CONSTRUCTION. WHERE EXISTING UTILITIES ARE TO BE CROSSED BY PROPOSED CONSTRUCTION, TEST PITS SHALL BE PROVIDED BY THE CONTRACTOR PRIOR TO CONSTRUCTION TO ASCERTAIN EXISTING UTILITY INVERTS, ELEVATIONS, MATERIALS & SIZES. TEST PIT INFORMATION SHALL BE GIVEN TO THE ENGINEER PRIOR TO CONSTRUCTION TO PERMIT ADJUSTMENT TO CONSTRUCTION AS REQUIRED TO AVOID CONFLICTS. CONTRACTOR SHALL EXCAVATE 25 TEST PITS-MIN. 6'-0" DEEP.

BUILDING DEPARTMENT PLUMBING NOTES

1. ALL PLUMBING SYSTEMS (SANITARY, WASTE, VENT WATER DISTRIBUTION AND GAS PIPING SYSTEMS) AND ASSOCIATED EQUIPMENT SHALL BE INSTALLED, OPERATED AND MAINTAINED IN ACCORDANCE WITH THE REQUIREMENTS OF 2020 THE NEW YORK STATE PLUMBING CODE.

2. INSTALLATION OF UNDERGROUND PIPING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION PC 702.2

3. PROTECTION OF PIPING PASSING UNDER OR THROUGH FOUNDATION WALLS AS PER SECTION PC 305.

4. TRENCHING, EXCAVATION AND BACKFILL AS PER SECTION PC 306.

5. RAT PROOFING AS PER PC 304

6. MATERIALS USED IN PLUMBING SYSTEMS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION PC 303, PC 605, PC 702, PC 902,PC 1102.

7. EQUIPMENT CONNECTIONS AND JOINING OF PIPING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTERS 4, 5, 6, 7 AND 9.

8. DEEP SEAL TRAPS FOR FLOOR DRAINS SHALL BE PROVIDED AS PER PC 1002, AND CLEAN-OUTS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION PC 708

9. BUILDING HOUSE TRAPS SHALL BE PROVIDED AS PER SECTION PC 1002.

10. DRAINAGE PIPE CLEANOUTS AS PER SECTION PC 708.

11. VERTICAL AND HORIZONTAL PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION PC 308

12. WATER SUPPLY SYSTEMS SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 6 SECTION PC 601-603, 604, 606, 607, 608, 610

14. THE SANITARY DRAINAGE SYSTEM SHALL BE SIZED AND INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 7 SECTION PC 701, 704, 705, 706, 707, 708, 711.

15. VENT PIPING FOR THE SANITARY DRAINAGE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 9 SECTIONS PS 901 THROUGH PC 912 THROUGH PC 917

16. THE STORM DRAINAGE PIPING SHALL BE SIZED AND INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 11 SECTION PC 1101 THROUGH 1113.

18. INSPECTION AND TESTING OF PLUMBING AND GAS PIPING SYSTEMS SHALL BE IN ACCORDANCE WITH SECTION PC 107, 312,

GENERAL NOTES

1. ALL PLUMBING WORK SHALL CONFORM TO THE NYC BLDG. CODE REQUIREMENT AND LOCAL AUTHORITIES HAVING JURISDICTION.

2. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHTS, SOFFITS AND ELEVATIONS PRIOR TO INSTALLATION OF PLUMBING WORK.

3. FOR EXACT LOCATION OF PLUMBING FIXTURES REFER TO ARCHITECTURAL DRAWINGS AND DETAILS.

4. COORDINATE WORK WITH ALL OTHER TRADES AND PROVIDE OFFSETS IN PIPING SYSTEMS TO AVOID STRUCTURAL, ARCHITECTURAL, MECHANICAL INTERFERENCE.

5. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR EXACT SIZE AND LOCATION OF SLAB PENETRATIONS. SUBMIT SHOP DRAWINGS WITH ALL PENETRATIONS FOR APPROVAL TO STRUCTURAL AND MEP ENGINEER PRIOR TO INSTALLATION OF PLUMBING WORK.

6. ALL PLUMBING WORK SHALL COMPLY WITH 2020 NEW NEW YORK STATE BUILDING CODE.

7. ALL PLUMBING WORK SHALL COMPLY WITH THE WATER CONSERVATION

PLUMBING KEY OF SYMBOLS

NOTE: THE KEY OF SYMBOLS INDICATED IS FOR CONVENIENCE ONLY AND ITEMS INDICATED ARE NOT NECESSARILY WITHIN THE SCOPE OF THE WORK.

	SOIL OR WASTE PIPING (S) (W)	A.B.D.	AUTOMATIC BALL DRIP
	SOIL OR WASTE PIPING BELOW GROUND	A.D.	ACCESS DOOR
	LEADER (L) (LDR)	A. DR.	AREA DRAIN
	INDIRECT WASTE	B.T.	BATH TUB
	VENT PIPING	C.D.	CANOPY DRAIN
	COLD WATER PIPING (C.W.)	C.F.H.	CUBIC FEET PER HOUR
	HOT WATER PIPING (H.W.)	C.F.M.	CUBIC FEET PER MINUTE
	HOT WATER CIRCULATING PIPING (H.W.C.)	C.F.S.	CUBIC FEET PER SECOND
	GAS PIPING	CLG.	CEILING
	GATE VALVE (G.V.)	C.O.	CLEANOUT
	LOCKSHIELD VALVE (GLOBE VALVE)	C.O.D.P.	CLEAN OUT DECK PLATE
	PLUG COCK	C.V.	CHECK VALVE
	CHECK VALVE (C.V.)	C.V.B.	CHECK VALVE BOX
	HOSE BIBB (H.B.) SILL COCK (S.C.)	D.I.	DROP INLET
	VACUUM BREAKER (V.B.)	D.F.	DRINKING FOUNTAIN
	PRESSURE RELIEF VALVE PRESS. & TEMP. RELIEF VALVE	DN.	DOWN
	PRESSURE REGULATING VALVE	EL.	ELEVATION
	STRAINER	E.W.C.	ELECTRIC WATER COOLER
	"P" TRAP FOR LAV., SINK, ETC.	F.A.I.	FRESH AIR INLET
	CLEANOUT DECK PLATE (C.O.D.P.)	F.D.	FLOOR DRAIN
	SHOCK ABSORBER	FL.	FLOOR
	ANCHOR	F.O.	FLOOR OUTLET
	GUIDE	F.S.	FLOOR SINK
	PRESSURE GAUGE	F.U.	FIXTURE UNITS
	THERMOMETER	FUN. DR.	FUNNEL DRAIN
	TEMPERATURE REGULATOR	F.V.	FLUSH VALVE FLUSHOMETER
	WALL HYDRANT (W.H.)	G.V.	GATE VALVE
	YARD HYDRANT (Y.H.) (D.H.)	H.B.	HOSE BIBB
	PIPING COVERED WITH ELECTRIC HEAT TRACING CABLE AND INSULATION	H.C.	HUNG CEILING
	UNION CONNECTION	INV.	INVERT
	EXPANSION JOINT	LAV.	LAVATORY
	AUTOMATIC AIR VENT VALVE	MH.	MANHOLE
	CLEANOUT DECK PLATE (COOP)	M.S.	MOP SINK
	SOIL WASTE & VENT STACKS & WATER RISERS	N.I.C.	NOT IN CONTRACT
	GAS RISER	O.S.&Y.	OUTSIDE SCREW & YOKE
	CONNECT TO EXISTING	P.C.	PLUG COCK
	PLUG COCK	P.O.	PLUGGED OUTLET
	PLUG COCK	R.P.B.	REDUCED PRESSURE BACKFLOW PREVENTER
	PLUG COCK	R.D.	ROOF DRAIN
	PLUG COCK	R.T.	RUNNING TRAP
	PLUG COCK	R.V.	RELIEF VENT
	PLUG COCK	S.P.O.	SOIL PLUGGED OUTLET
	PLUG COCK	S.H.	SHOWER HEAD
	PLUG COCK	SH.	SHOWER
	PLUG COCK	SK.	SINK
	PLUG COCK	S.S.	SERVICE SINK
	PLUG COCK	S.E.	SEWAGE EJECTOR
	PLUG COCK	T.D.	TERRACE DRAIN
	PLUG COCK	T.E.	TERRACE ELEVATION
	PLUG COCK	T.S.	TAMPER SWITCH
	PLUG COCK	UR.	URINAL
	PLUG COCK	U.O.S.W.	UNDER ANOTHER SECTION OF THE WORK
	PLUG COCK	V. O.	VALVED OUTLET
	PLUG COCK	V.T.R.	VENT THRU ROOF
	PLUG COCK	V.P.O.	VENT PLUGGED OUTLET
	PLUG COCK	W.C.	WATER CLOSET

REQUIRED PROGRESS INSPECTIONS FOR ENERGY CODE COMPLIANCE

INSPECTION INTERVAL	INSPECTION INTERVAL	REFERENCE STANDARD	CODE REFERENCES (ECCONYS-2010)
PIPE INSULATION: VERIFY PROPER INSULATION PLACEMENT AND VALUES	AFTER INSTALLATION AND PRIOR TO CLOSURE OF SHAFTS, WALLS, CEILINGS	APPROVED CONSTRUCTION DOCUMENTS	504.5

TEST AND INSPECTIONS

THE LICENSED MASTER PLUMBER SHALL MAKE THE APPLICABLE TEST PRESCRIBED IN SECTION 312.2 THROUGH 312.9 TO DETERMINE COMPLIANCE WITH THE PROVISIONS OF THIS CODE.

312.1.1	TEST GAUGES
312.1.2	WITNESSING TESTS
312.2	DRAINAGE AND VENT WATER TEST
312.3	DRAINAGE AND VENT AIR TEST
312.4	DRAINAGE AND VENT FINAL TEST
312.5	WATER SUPPLY SYSTEM TEST
1716.1	TEST STANDARDS FOR JOIST HANGERS AND CONNETORS

PETER F. GAITO & ASSOCIATES
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No.	Date	Revisions / Submissions
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-	01-19-23	DESIGN DEVELOPMENT
-	08-16-24	ISSUED

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Project Title

THE SALVATION
ARMY WAREHOUSE

440 WEST NYACK ROAD
WEST NYACK, NY 10994

Sheet Title

PLUMBING SYMBOLS,
ABBREVIATIONS & NOTES

Date

08/23/22

Sign and Seal

Project ID

23100

Drawn By

TSF

Checked By

TSF

Scale

AS NOTED

Sheet No.



P-201

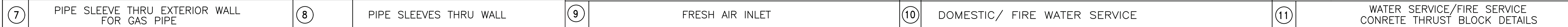
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Date	08/23/22	Sign and Seal	
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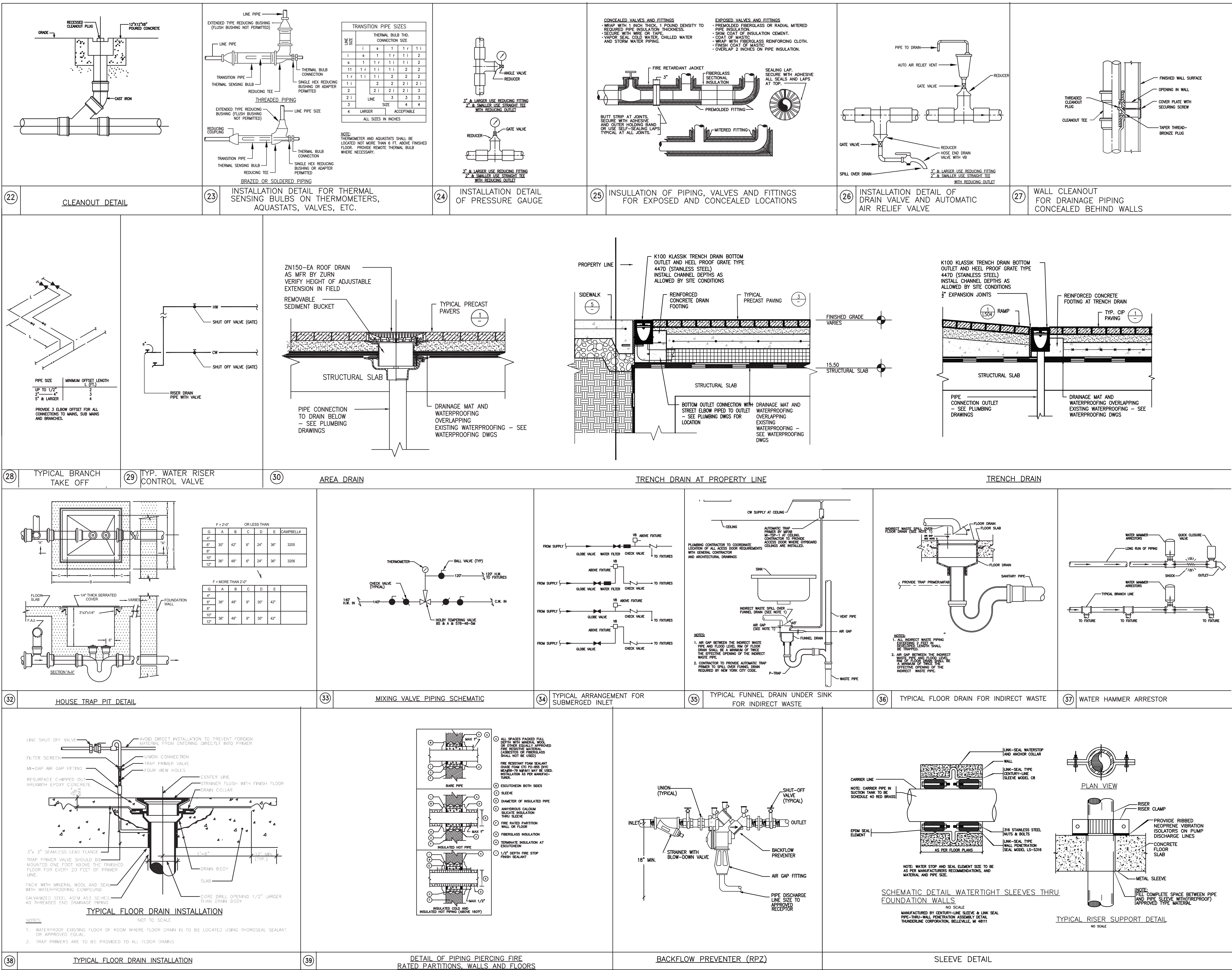
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Project Title

THE SALVATION ARMY WAREHOUSE

440 WEST NYACK ROAD
WEST NYACK, NY 10994

Sheet Title

PLUMBING DETAILS

Date

08/23/22

Sign and Seal

Project ID

23100

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TSF

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Sheet No.

P-203

7 of 10

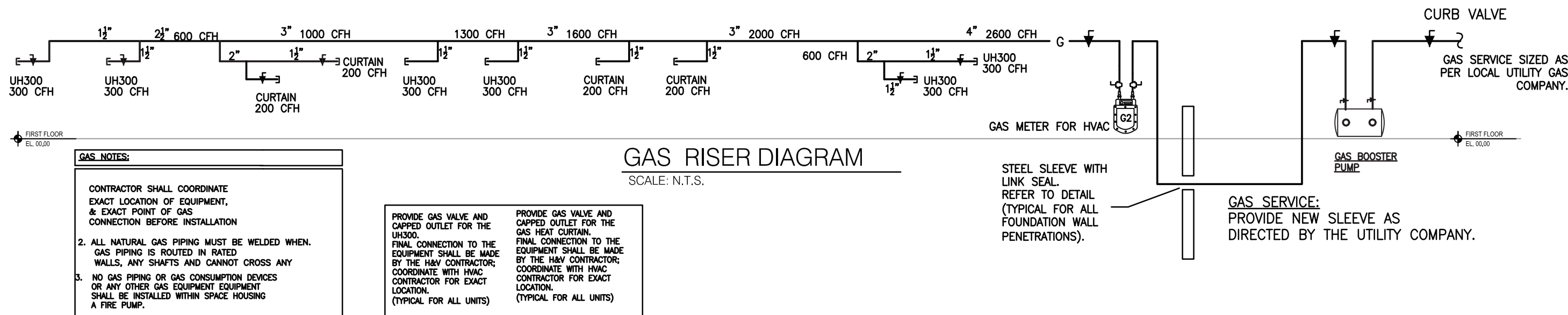
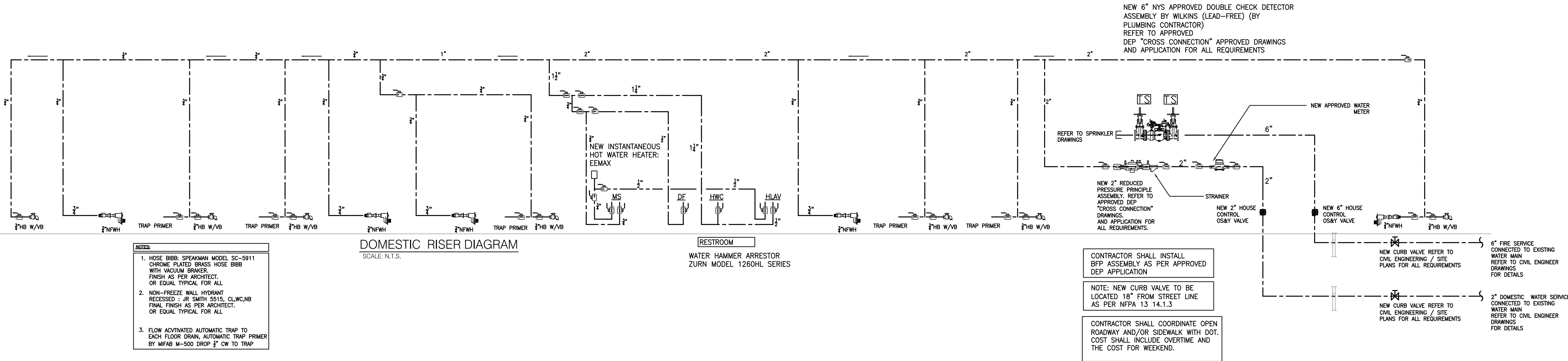
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Project Title

THE SALVATION
ARMY WAREHOUSE

440 WEST NYACK ROAD
WEST NYACK, NY 10994

Sheet Title

PLUMBING RISER DIAGRAM

Date

08/23/22

Project ID

23100

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TSF

Scale

AS NOTED

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08/23/22

Project ID

23100

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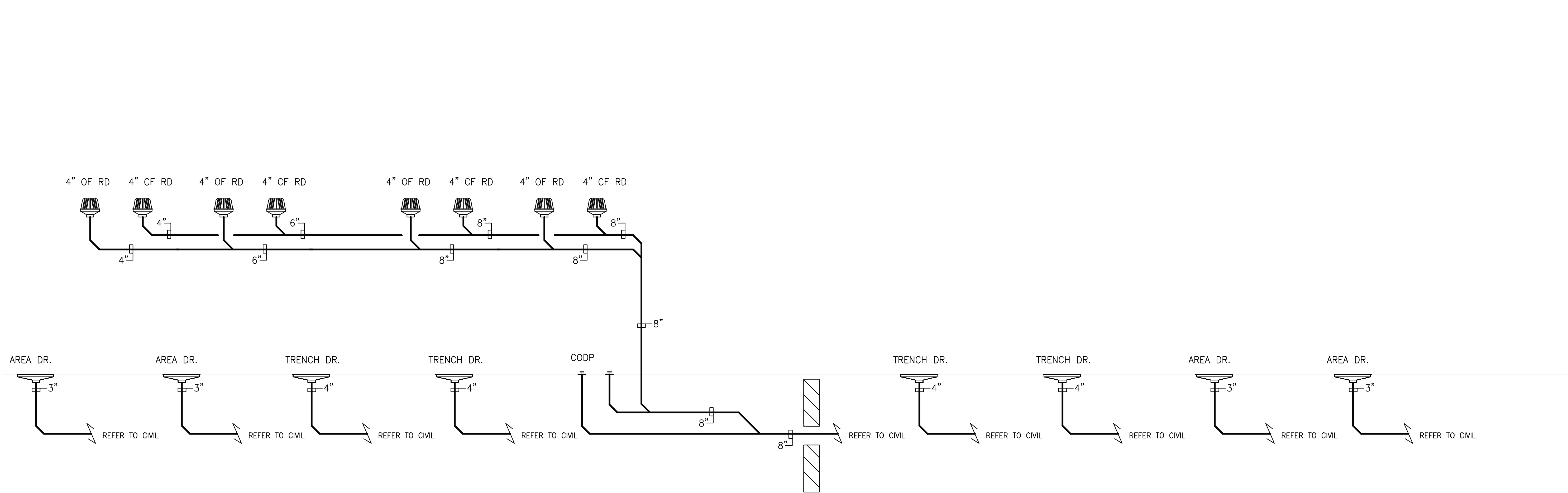
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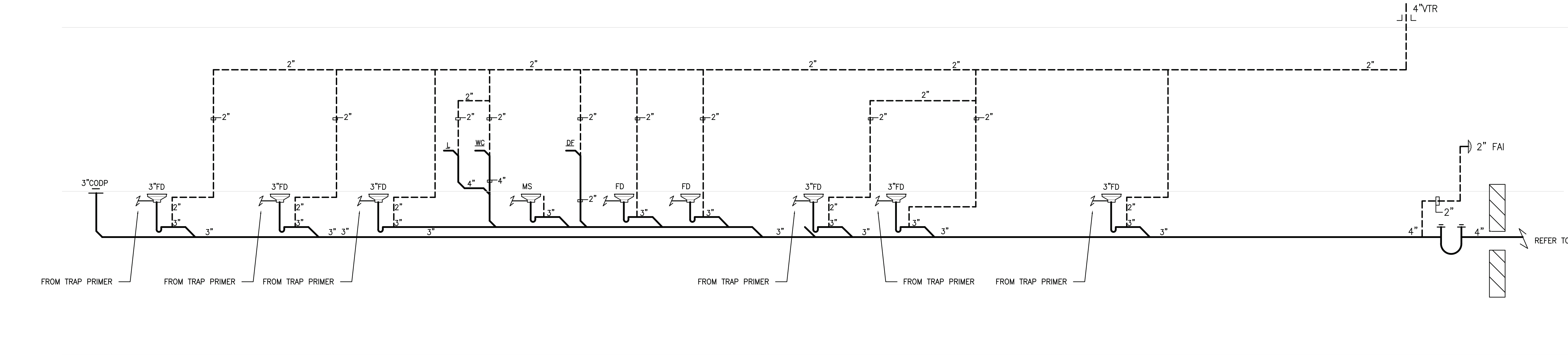
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STORM WATER RISER DIAGRAM
SCALE: N.T.S.



SANITARY RISER DIAGRAM
SCALE: N.T.S.

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Project Title

THE SALVATION
ARMY WAREHOUSE

440 WEST NYACK ROAD
WEST NYACK, NY 10994

Sheet Title

PLUMBING RISER DIAGRAM

Date	08/23/22	Sign and Seal
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