

PIPING		VALVES		INSTRUMENTATION			
	EXISTING CW PIPING TO REMAIN		CLEANOUT		TRIPLE DUTY VALVE		GAS DETECTOR
	EXISTING CW PIPING TO BE REMOVED		CLEANOUT DECK PLATE		3-WAY VALVE		TEMPERATURE AND HUMIDITY RECORDER
	EXISTING HW PIPING TO REMAIN		CLEANOUT WALL PLATE		AUTOMATIC CONTROL VALVE		LIQUID DETECTOR
	EXISTING HW PIPING TO BE REMOVED		F&T TRAP		BALL VALVE		PRESSURE GAUGE
	EXISTING HW RETURN PIPING TO REMAIN		LOW PRESSURE DRIP		BASKET STRAINER		FLOW SWITCH
	EXISTING HW RETURN PIPING TO BE REMOVED		UNION		BUTTERFLY VALVE		THERMOMETER
	EXISTING SANITARY, WASTE PIPING UNDERGROUND TO REMAIN		STRAINER		CHECK VALVE		ELECTRIC PNEUMATIC SWITCH
	EXISTING SANITARY, WASTE PIPING UNDERGROUND TO BE REMOVED		HOSE BIBB		FLOW CONTROL VALVE		PNEUMATIC ELECTRIC SWITCH
	EXISTING WASTE VENT PIPING TO REMAIN		FROST FREE HOSE BIBB		GATE VALVE		ENVIRONMENTAL SENSOR ALARM PANEL
	EXISTING WASTE VENT PIPING TO BE REMOVED		FLOOR DRAIN		GLOBE VALVE		
			FLEXIBLE CONNECTION		MOTOR OPERATED VALVE		
	NEW CW PIPING		AUTOMATIC AIR VENT		OUTSIDE SCREW YOKE		
	NEW HW PIPING		CAPPED PIPE		PLUG VALVE		
	NEW HW RETURN PIPING		FUNNEL DRAIN		PRESSURE REDUCING VALVE		
	NEW SANITARY, WASTE PIPING		TRAP		SHUTOFF BALANCING VALVE		
	NEW SANITARY, WASTE PIPING UNDERGROUND		DOUBLE CHECK VALVE		SOLENOID VALVE		
	NEW WASTE VENT PIPING		REDUCED PRESSURE ZONE VALVE		PRESSURE RELIEF VALVE		
	NEW GAS PIPING (LOW PRESSURE)		ROOF DRAIN		GAS COCK		
	NEW STORM DRAINAGE PIPING				SHUT OFF VALVE		
	NEW VACUUM PIPING						
	NEW NITROGEN PIPING						
	NEW OXYGEN PIPING						
	NEW HIGH PRESSURE GAS PIPING						
	NEW INDIRECT WASTE PIPING						
	EXISTING PIPING TO REMAIN						
	EXISTING PIPING TO BE REMOVED						
	NEW PIPING						
	DIRECTION OF FLOW						
	PIPE TURNING UP						
	PIPE TURNING DOWN						

1. ALL WORK SHALL COMPLY WITH ALL LOCAL AND STATE CODES AND AUTHORITIES HAVING JURISDICTION.
2. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL REQUIRED PERMITS AND ARRANGE ALL REQUIRED INSPECTIONS.
3. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER CONTRACTORS AND TRADES.
4. THESE DRAWINGS, AS PREPARED, ARE DIAGRAMMATIC BUT SHALL BE FOLLOWED AS CLOSELY AS CONSTRUCTION OF THE PROJECT AND THE WORK OF THE TRADES WILL PERMIT. EQUIPMENT LOCATIONS INDICATED ARE APPROXIMATE. COORDINATE EXACT LOCATIONS AND REQUIRED CLEARANCES WITH EQUIPMENT SUPPLIER AND ALL TRADES PRIOR TO INSTALLATION.
5. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL THE EQUIPMENT INDICATED WITHIN THESE DRAWINGS UNLESS OTHERWISE NOTED. VERIFY LOCATION AND DIMENSIONS IN THE FIELD PRIOR TO FABRICATION AND / OR INSTALLATION.
6. ALL ROOF PENETRATIONS SHALL BE AT THE CONTRACTOR'S EXPENSE. COORDINATE WITH GC'S ROOFING CONTRACTOR AS REQUIRED FOR ROOF WARRANTIES.
7. ALL PENETRATIONS OF EXISTING PIPING AND EQUIPMENT TO BE DEMOLISHED SHALL BE PATCHED AND SEALED APPROPRIATELY BY THE CONTRACTOR.
8. THE ENTIRE INSTALLATION SHALL BE GUARANTEED FREE OF DEFECTS AND CONTRACTOR SHALL REPAIR AND / OR REPLACE ANY DEFECTIVE MATERIALS OR EQUIPMENT AT NO COST TO THE OWNER FOR A MINIMUM PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE BY ARCHITECT OR ENGINEER.
9. ALL WORK SHALL BE SUBJECT TO THE ACCEPTANCE AND APPROVAL OF THE ARCHITECT AND OWNER. THE ARCHITECT SHALL BE NOTIFIED OF ANY AND ALL DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK. FAILURE OF PROPER NOTIFICATION DOES NOT RELIEVE THE CONTRACTOR. THE CONTRACTOR SHALL CORRECT ANY AND ALL WORK ARISING FROM SUCH FAILURE TO COORDINATE DISCREPANCIES TO THE SATISFACTION OF THE ARCHITECT WITHOUT ADDITIONAL COST TO THE OWNER.
10. ALL KITCHEN, PREP AREA AND SALES AREA EQUIPMENT WILL BE FURNISHED AND INSTALLED BY SEPARATE CONTRACTOR. EQUIPMENT WILL BE FURNISHED WITH TRIM, FAUCETS, ESCUTCHEONS, ETC. PLUMBING CONTRACTOR SHALL PROVIDE ALL ROUGH-IN TRAPS AND MAKE ALL FINAL CONNECTIONS (SEE EQUIPMENT SCHEDULE).
11. ALL PIPING TO BE CONCEALED IN HUNG CEILINGS, CHASES AND FURRED SPACES.
12. REFER TO EQUIPMENT SCHEDULE AND EQUIPMENT SPECIFICATIONS FOR EXACT LOCATIONS OF PLUMBING CONNECTIONS.
13. THE CONTRACTOR SHALL VERIFY DEPTH, SIZE, LOCATION OF ALL EXISTING UTILITIES IN FIELD PRIOR TO STARTING WORK.
14. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL PIPE HANGERS, AND SUPPORTS IN ACCORDANCE WITH THE LOCAL APPLICABLE CODES.
15. THE CONTRACTOR TO PROVIDE TRAP PRIMERS, DEEP SEAL TRAP OR TRAP SEAL ON ALL FLOOR DRAINS AS PER APPLICABLE CODE.
16. ALL PENETRATIONS REQUIRED FOR PLUMBING EQUIPMENT AND PIPING THROUGH ANY WALL SHALL BE PROPERLY SEALED OFF TO MAINTAIN THE INTEGRITY OF THE STRUCTURE.
17. ALL SHUT OFF AND ISOLATION VALVES SHALL BE BALL TYPE. ALL VALVES SERVING TOILETS AND SINKS SHALL BE ANGLE STOP TYPE.
18. PROVIDE AN INDIVIDUAL BALL VALVE AND BACK CHECK VALVE TO EACH INDIVIDUAL PIECE OF EQUIPMENT.
19. PROVIDE BACKFLOW PREVENTERS AT ALL EQUIPMENT AS REQUIRED BY CODE.
20. ANY PIPING ABOVE ELECTRICAL EQUIPMENT (PANELS, TRANSFORMERS, ETC) MUST BE INSTALLED AT LEAST 6 FT ABOVE AND PROVIDED WITH 2" DRIP PANS AND LEAK DETECTORS.

ACS DR	ACCESS DOOR	FPS	FEET PER SECOND	REQD	REQUIRED
AFF	ABOVE FINISHED FLOOR	FT	FEET	RPM	REVOLUTIONS PER MINUTE
ACS PNL	ACCESS PANEL	FLD	FUNNEL DRAIN	RD	ROOF DRAIN
AUTO	AUTOMATIC	G	GAS	RM	ROOM
BFP	BACKFLOW PREVENTER	GA	GAUGE	RND	ROUND
BLDG	BUILDING	GC	GENERAL CONTRACTOR	RPZ	REDUCED PRESSURE ZONE DEVICE
BOP	BOTTOM OF PIPE	GAL	GALLON	SAN	SANITARY
BTU	BRITISH THERMAL UNIT	GPH	GALLONS PER HOUR	SK	SINK
BTUH	BTU PER HOUR	GPM	GALLONS PER MINUTE	SS	SERVICE, SLOP SINK
CL	CENTERLINE	HT	HEIGHT	SF, Φ	SQUARE FEET
CHR PL	CHROME PLATED	HB	HOSE BIB	SOV	SHUT-OFF VALVE
CLG	CEILING	HW	HOT WATER	ST PR	STATIC PRESSURE
CO	CLEAN OUT	HWR	HOT WATER RETURN	SPEC	SPECIFICATION
CODP	CLEAN OUT DECK PLATE	HWS	HOT WATER SUPPLY	SST	STAINLESS STEEL
COWP	CLEAN OUT WALL PLATE	HR	HOUR	SD	STORM DRAIN
COD	CONTINUED ON DRAWING	HZ	FREQUENCY	SEP TNK	SEPTIC TANK
CW	COLD (DOMESTIC) WATER	IN	INCH OR INCHES	TBR	TO BE REMOVED
CU FT	CUBIC FEET	IPS	IRON PIPE SIZE	TEMP	TEMPERATURE
CU IN	CUBIC INCHES	IW	INDIRECT WASTE	TOS	TOP OF STEEL
D	DROP	IW SP	INDIRECT WASTE STANDPIPE	TYP	TYPICAL
DEMO	DEMOLITION	INV	INVERT ELEVATION	UNO	UNLESS NOTED OTHERWISE
DF	DRINKING FOUNTAIN	KW	KILOWATT	V	VENT
DIA, $\varnothing$	DIAMETER	LAV	LAVATORY	VTR	VENT THROUGH ROOF
DN	DOWN	LAVH	LAVATORY HANDICAPPED	W	WASTE
DWG	DRAWING	L	LENGTH	W/	WITH
DP	DISTRIBUTION POOL	LBS	POUNDS	W/O	WITHOUT
EA	EACH	LF	LINEAR FEET	WCV	WATER CLOSET FLUSH VALVE TYPE
EJ	ELECTRICAL CONTRACTOR	LP	LEACHING POOL	WCVH	WATER CLOSET FLUSH VALVE TYPE HANDICAPPED
EC	SEWAGE EJECTOR DISCHARGE	M	METER	WCT	WATER CLOSET FLUSH TANK TYPE
EL	ELEVATION	MAX	MAXIMUM	WCTH	WATER CLOSET FLUSH TANK TYPE HANDICAPPED
ELEC	ELECTRIC	MBH	THOUSAND BTU PER HOUR	WC	WATER COLUMN
EMER SHR	EMERGENCY SHOWER	MC	MECHANICAL CONTRACTOR	WG	WATER GAUGE
EQ	EQUAL	MIN	MINIMUM	WH	HOT WATER HEATER
EWC	ELECTRIC WATER COOLER	NFPA	NATIONAL FIRE PROTECTION ASSOC.	WMS	WIRE MESH SCREEN
EXIST	EXISTING	NC	NORMALLY CLOSED		
EXP	EXPANSION TANK	NIC	NOT IN CONTRACT		
F	DEGREES FAHRENHEIT	NO	NORMALLY OPEN		
F & T	FLOAT AND THERMOSTATIC	#	NUMBER		
FAI	FRESH AIR INTAKE	NPT	NATIONAL PIPE THREAD		
FC	FLEXIBLE CONNECTION	NTS	NOT TO SCALE		
FD	FLOOR DRAIN	OAI	OUTSIDE AIR INTAKE		
FFHB	FROST FREE HOSE BIB	OD	OUTSIDE DIAMETER		
FFWH	FROST FREE WALL HYDRANT	PD	PRESSURE DROP		
FF EL	FINISHED FLOOR ELEVATION	PDISCH	PUMPED DISCHARGE		
FLA	FULL LOAD AMPERES	PRESS	PRESSURE		
FLR	FLOOR	PSI	POUNDS PER SQUARE INCH		
FLR SK	FLOOR SINK	R	RISE		
FPM	FEET PER MINUTE	REL	RELOCATED		

PLUMBING GENERAL

DESCRIPTION OF WORK SCOPE

NEW PLUMBING FIXTURES AND UTILITIES FOR NEW FIRE DEPARTMENT BUILDING. NO CHANGE IN USE, OCCUPANCY, OR EGRESS UNDER THIS APPLICATION.

NEW PLUMBING FIXTURES AND UTILITIES FOR NEW FIRE DEPARTMENT BUILDING. NO CHANGE IN USE, OCCUPANCY, OR EGRESS UNDER THIS APPLICATION.



SCALE: N.T.S.

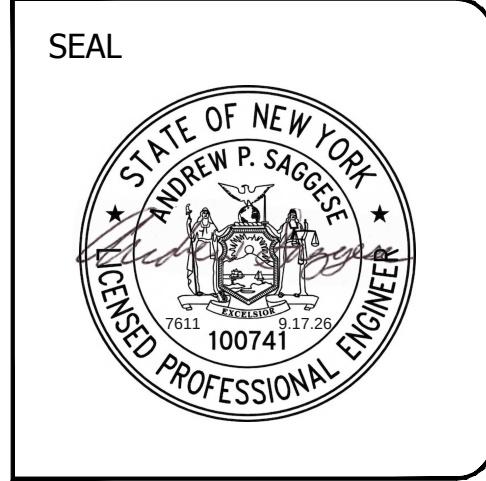
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- PLUMBING SYMBOLS, ABBREVIATIONS AND GENERAL NOTES
- PLUMBING GENERAL NOTES
- PLUMBING FIRST FLOOR SUPPLY UTILITIES
- PLUMBING FIRST FLOOR SANITARY & VENT
- PLUMBING MEZZANINE SUPPLY UTILITIES
- PLUMBING MEZZANINE SANITARY & VENT
- PLUMBING SECOND FLOOR SUPPLY UTILITIES
- PLUMBING SECOND FLOOR & ATTIC SANITARY & VENT
- PLUMBING DETAILS
- PLUMBING DETAILS
- PLUMBING DETAILS
- PLUMBING RISER DIAGRAMS
- PLUMBING RISER DIAGRAMS
- PLUMBING RISER DIAGRAM
- PLUMBING RISER DIAGRAM
- PLUMBING SPECIFICATIONS

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DATE	ISSUED
08-22-2026	ISSUED FOR 100%DD/50%CD REVIEW
07-20-2025	ISSUED FOR 90%CD REVIEW
08-17-2026	ISSUED FOR GENERAL CONSTRUCTION BID AS SINGLE PRIME CONTRACT INCLUDING ALL TRADES



SENDLEWSKI ARCHITECTS, P.C.

ARCHITECTS - PLANNERS

215 MONROE AVENUE RIVERHEAD, NY 11901 (631) 727-5852

Conte

EMILY
CONSULTING ENGINEERS, DPC

3555 Veterans Memorial Highway, Suite M
Ronkonkoma, NY 11779

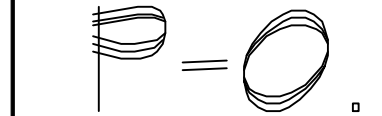
**PROPOSED NEW FACILITY
ELLENVILLE FIRE DISTRICT
2203 S. MAIN ST. NYS ROUTE 209
ELLENVILLE, NY 12428**

PLUMBING SYMBOLS, ABBREVIATIONS AND GENERAL NOTES

PROJECT No. 2501
EMTEC: 761

CHECKED BY: MF/APS

DRAWING:



EMTEC PROJECT NO. 7611 DRAWN BY: MF CHECKED BY: APS
AND GENERAL NO.

PLUMBING COMMISSIONING REQUIREMENTS

THE FOLLOWING SYSTEMS AND EQUIPMENT ARE REQUIRED TO BE COMMISSIONED IN ACCORDANCE WITH THE SECTIONS BELOW:

- GAS-FIRED (PROPANE) HOT WATER HEATER, PFHWH-1
- HOT WATER RECIRC PUMP, HWCP-1

MAINTENANCE INFORMATION AND SYSTEMS COMMISSIONING

GENERAL:

THIS SECTION COVERS THE PROVISION OF MAINTENANCE INFORMATION AND THE COMMISSIONING OF, AND THE FUNCTIONAL TESTING REQUIREMENTS FOR BUILDING SYSTEMS.

BUILDING OPERATIONS AND MAINTENANCE INFORMATION:

THE BUILDING OPERATIONS AND MAINTENANCE DOCUMENTS SHALL BE PROVIDED TO THE OWNER AND SHALL CONSIST OF MANUFACTURER'S INFORMATION, SPECIFICATIONS, AND RECOMMENDATIONS; PROGRAMMING PROCEDURES AND DATA POINTS; NARRATIVES; AND OTHER MEANS OF ILLUSTRATING TO THE OWNER HOW THE BUILDING, EQUIPMENT AND SYSTEMS ARE INTENDED TO BE INSTALLED, MAINTAINED AND OPERATED. REQUIRED REGULAR MAINTENANCE ACTIONS FOR EQUIPMENT AND SYSTEMS SHALL BE CLEARLY STATED ON A READILY VISIBLE LABEL. THE LABEL SHALL INCLUDE THE TITLE OR PUBLICATION NUMBER FOR THE OPERATION AND MAINTENANCE MANUAL FOR THAT PARTICULAR MODEL AND TYPE OF PRODUCT.

MECHANICAL SYSTEMS AND SERVICE-WATER HEATING SYSTEMS COMMISSIONING AND COMPLETION REQUIREMENTS:

PRIOR TO THE FINAL MECHANICAL AND PLUMBING INSPECTIONS, A COMMISSIONING AUTHORITY SHALL PROVIDE EVIDENCE OF MECHANICAL SYSTEMS COMMISSIONING AND COMPLETION IN ACCORDANCE WITH THE PROVISIONS OF THIS SECTION.

EXCEPTIONS: THE FOLLOWING SYSTEMS ARE EXEMPT:

- MECHANICAL SYSTEMS AND SERVICE WATER HEATER SYSTEMS IN BUILDINGS WHERE THE TOTAL MECHANICAL EQUIPMENT CAPACITY IS LESS THAN 480,000 BTU/H COOLING CAPACITY AND 600,000 BTU/H COMBINED SERVICE WATER-HEATING AND SPACE-HEATING CAPACITY.
- SYSTEMS INCLUDED IN SECTION C403.5 THAT SERVE INDIVIDUAL DWELLING UNITS AND SLEEPING UNITS.

COMMISSIONING PLAN

A COMMISSIONING PLAN SHALL BE DEVELOPED BY THE COMMISSIONING AUTHORITY AND SHALL INCLUDE THE FOLLOWING ITEMS:

- A NARRATIVE DESCRIPTION OF THE ACTIVITIES THAT WILL BE ACCOMPLISHED DURING EACH PHASE OF COMMISSIONING INCLUDING THE PERSONNEL INTENDED TO ACCOMPLISH EACH ACTIVITY.
- A LISTING OF SPECIFIC EQUIPMENT, APPLIANCES, OR SYSTEMS TO BE TESTED AND A DESCRIPTION OF THE TESTS TO BE PERFORMED.
- FUNCTIONS TO BE TESTED INCLUDING, BUT NOT LIMITED TO, CALIBRATIONS AND ECONOMIZER CONTROLS.
- CONDITIONS UNDER WHICH THE TEST WILL BE PERFORMED. TESTING SHALL AFFIRM WINTER AND SUMMER DESIGN CONDITIONS AND FULL OUTSIDE AIR CONDITIONS.
- MEASURABLE CRITERIA FOR PERFORMANCE.

SYSTEMS ADJUSTING AND BALANCING

HVAC SYSTEMS SHALL BE BALANCED IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING STANDARDS. THE COMMISSIONING AGENT SHALL REVIEW AND PERFORM A SPOT CHECK VERIFICATION OF THE TESTING, ADJUSTING, AND BALANCING REPORT.

FUNCTIONAL PERFORMANCE TESTING

EQUIPMENT FUNCTIONAL PERFORMANCE TESTING SHALL DEMONSTRATE THE INSTALLATION AND OPERATION OF COMPONENTS, SYSTEMS, AND SYSTEM-TO-SYSTEM INTERFACING RELATIONSHIPS IN ACCORDANCE WITH APPROVED PLANS AND SPECIFICATIONS SUCH THAT OPERATION, FUNCTION, AND MAINTENANCE SERVICEABILITY FOR EACH OF THE COMMISSIONED SYSTEMS IS CONFIRMED. TESTING WILL INCLUDE ALL MODES OF OPERATION, INCLUDING FULL-LOAD, PART-LOAD, AND THE FOLLOWING EMERGENCY CONDITIONS:

- ALL MODES AS DESCRIBED IN THE SEQUENCE OF OPERATION.
- REDUNDANT OR AUTOMATIC BACK-UP MODE.
- PERFORMANCE OF ALARMS.
- MODE OF OPERATION UPON LOSS OF POWER AND RESTORATION OF POWER.

EXCEPTIONS: UNITARY OR PACKAGED HVAC EQUIPMENT LISTED IN TABLES C403.3.2(1) THROUGH C403.3.2(3) THAT DO NOT REQUIRE SUPPLY AIR ECONOMIZERS.

CONTROLS TESTING

THE COMMISSIONING AGENT SHALL WITNESS TESTING OF THE HVAC AND SERVICE WATER-HEATING SYSTEMS AND DOCUMENT THAT CONTROL DEVICES, COMPONENTS, EQUIPMENT, AND SYSTEMS ARE CALIBRATED AND ADJUSTED AND OPERATE IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. SEQUENCES OF

OPERATION SHALL BE FUNCTIONALLY TESTED TO DOCUMENT THEY OPERATE IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.

PRELIMINARY COMMISSIONING REPORT.

THE COMMISSIONING AGENT SHALL PREPARE A PRELIMINARY COMMISSIONING REPORT OF TEST PROCEDURES AND RESULTS. THE REPORT SHALL BE ORGANIZED WITH MECHANICAL AND SERVICE HOT WATER FINDINGS IN SEPARATE SECTIONS TO ALLOW INDEPENDENT REVIEW. THE REPORT SHALL BE IDENTIFIED AS "PRELIMINARY COMMISSIONING REPORT" AND INCLUDE THE COMPLETED COMMISSIONING COMPLIANCE CHECKLIST IN FIGURE C408.2.4.

THE REPORT SHALL IDENTIFY THE FOLLOWING:

- ITEMIZATION OF DEFICIENCIES FOUND DURING TESTING THAT HAVE NOT BEEN CORRECTED AT THE TIME OF THE REPORT PREPARATION.
- DEFERRED TESTS THAT CANNOT BE PERFORMED AT THE TIME OF REPORT PREPARATION DUE TO CLIMATIC CONDITIONS.
- CLIMATIC CONDITIONED REQUIRED FOR PERFORMANCE OF DEFERRED TESTS.
- RESULTS OF FUNCTIONAL PERFORMANCE TESTS.
- FUNCTIONAL PERFORMANCE TEST PROCEDURES USED DURING THE COMMISSIONING PROCESS, INCLUDING MEASURABLE CRITERIA FOR TEST ACCEPTANCE.

THE FOLLOWING CHECKLIST SHALL BE COMPLETED BY THE BUILDING OWNER OR OWNER'S AUTHORIZED AGENT:

Project Address: _____

Commissioning Authority: _____

Commissioning Plan (Section C408.2.1)

☐ Commissioning Plan was used during construction and includes all items required by Section C408.2.1

☐ Systems Adjusting and Balancing has been completed.

☐ HVAC Equipment Functional Testing has been executed. If applicable, deferred and follow-up testing is scheduled to be provided on: _____

☐ HVAC Controls Functional Testing has been executed. If applicable, deferred and follow-up testing is scheduled to be provided on: _____

☐ Economizer Functional Testing has been executed. If applicable, deferred and follow-up testing is scheduled to be provided on: _____

☐ Lighting Controls Functional Testing has been executed. If applicable, deferred and follow-up testing is scheduled to be provided on: _____

☐ Domestic Water Heating System Functional Testing has been executed. If applicable, deferred and follow-up testing is scheduled to be provided on: _____

☐ Manual, record documents and training have been completed or scheduled

☐ Preliminary Commissioning Report submitted to owner and includes all items required by Section C408.2.4

I hereby certify that the commissioning provider has provided me with evidence of mechanical, service water heating and lighting systems commissioning in accordance with the 2018 IECC.

Signature of Building Owner or Owner's Representative _____ Date: _____

FIGURE C408.2.4

ACCEPTANCE.

EXCEPTION:

DEFERRED TESTING THAT CANNOT BE PERFORMED AT THE TIME OF REPORT PREPARATION DUE TO CLIMATIC CONDITIONS.

DATE

ISSUED

06-22-2026

ISSUED FOR 100%DD/50%CD REVIEW

07-20-2026

ISSUED FOR 90%CD REVIEW

08-17-2026

ISSUED FOR GENERAL CONSTRUCTION BID AS SINGLE PRIME CONTRACT INCLUDING ALL TRADES

SEAL



SENDLEWSKI ARCHITECTS, P.C.

ARCHITECTS - PLANNERS

216 FIDELITY AVENUE RIVERHEAD, NY 11901 (631) 727-5552



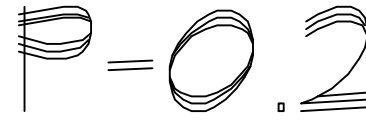
CONSULTING ENGINEERS, DPC
3555 Veterans Memorial Highway, Suite M
Rancho Santa Fe, CA 92087
P: 858.981.3980 | F: 858.981.3971 | www.emtec-engineers.com

PROPOSED NEW FACILITY
ELLENVILLE FIRE DISTRICT
203 S. MAIN ST. NYS ROUTE 209
ELLENVILLE, NY 12428

PLUMBING
GENERAL NOTES

PROJECT No. 2501
EMTEC-7611

CHECKED BY: MF/APS

DRAWING:


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EMTEC PROJECT NO. 7611

DRAWN BY: MF

CHECKED BY: APS

1. GAS PRESSURE REGULATOR.
2. GAS SOLENOID VALVE.
3. MANUAL EMERGENCY SHUT-OFF.

1. PLUMBING CONTRACTOR SHALL PROVIDE ALL SAW CUTTING AND EXCAVATION REQUIRED TO FURNISH NEW WORK BELOW SLAB ON GRADE. PLUMBING CONTRACTOR SHALL PROVIDE BACKFILL, COMPACTION AND NEW CONCRETE AS REQUIRED. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
2. ALL PIPING MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE 2020 NYS BUILDING CODE.
3. PERFORM GROUND PENETRATING RADAR TO PROPERLY LOCATE REQUIRED PIPING PRIOR TO CUTTING SLAB. SUB-SLAB VAPOR BARRIER TO BE RESTORED UPON COMPLETION OF PLUMBING WORK.
4. ALL PIPING SHALL BE COMPLETELY CONCEALED WITHIN THE BUILDING'S CONSTRUCTION.
5. PLUMBING CONTRACTOR SHALL RUN NEW WATER LINES TO ALL NEW FLOOR DRAINS WITH TRAP PRIMERS.
6. PLUMBING CONTRACTOR TO HAVE A FLOW TEST PERFORMED TO CONFIRM THERE IS SUFFICIENT CITY WATER STREET PRESSURE FOR ALL PLUMBING FIXTURES.



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3555 Veterans Memorial Highway, Suite M
Ronkonkoma, NY 11779
P 631.981.3990 | F 631.981.3971 | www.emtec-engineers.com

PLUMBING
FIRST FLOOR
SUPPLY UTILITIES

CHECKED BY: MF/APS

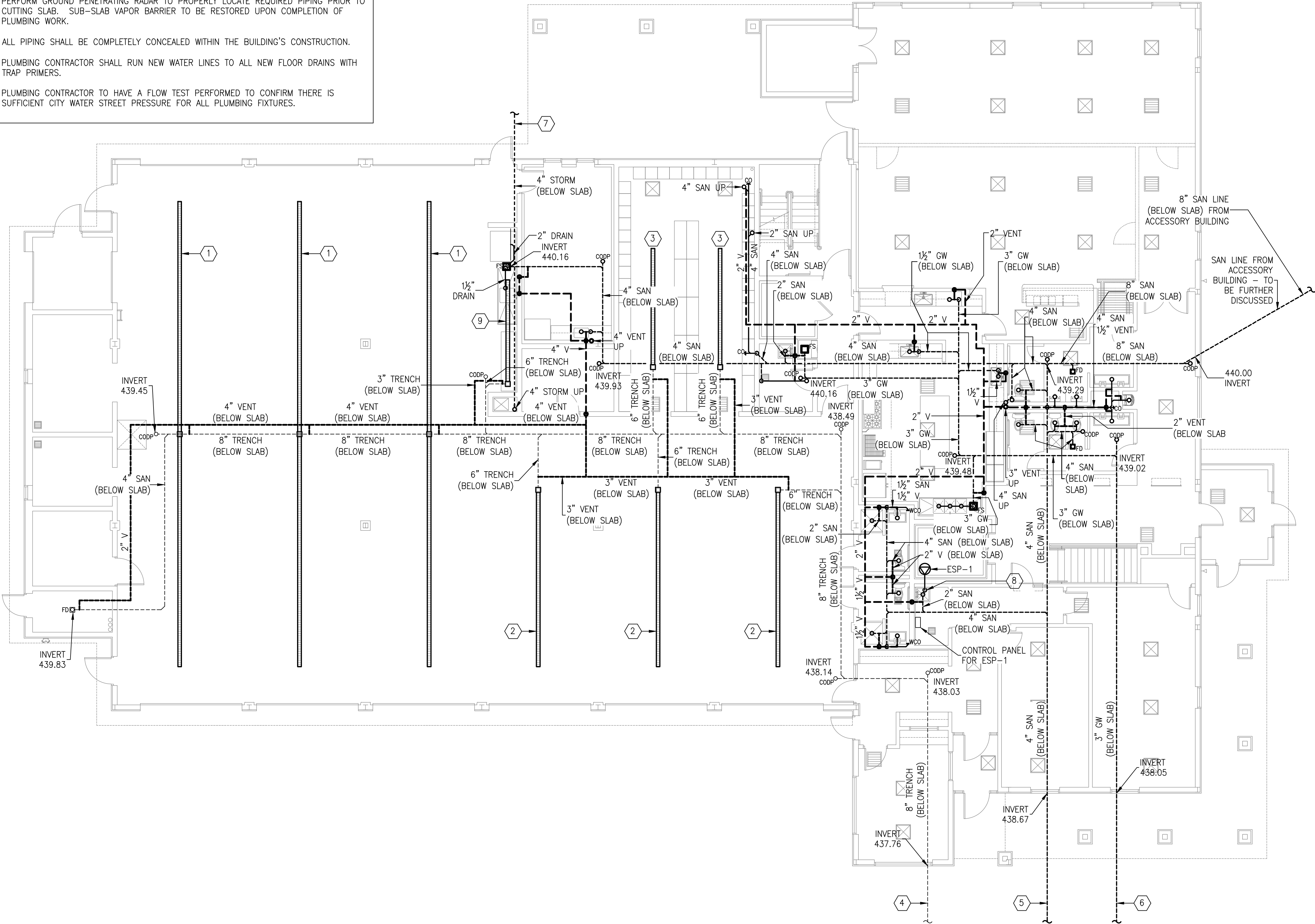
SEMTEC PROJECT NO. 7611 DRAWN BY: MF CHECKED BY: APS

KEY NOTES

1. NEW TRENCH DRAIN. ZURN, MODEL Z886-HDF-HPDE, 64' LONG WITH CATCH BASIN AT CENTER OF DRAIN.
2. NEW TRENCH DRAIN. ZURN, MODEL Z886-HDF-HPDE, 24' LONG WITH CATCH BASIN AT END OF DRAIN.
3. NEW TRENCH DRAIN. ZURN, MODEL Z886-HDF-HPDE, 16' LONG WITH CATCH BASIN AT END OF DRAIN.
4. 8" TRENCH (BELOW GRADE) TO SITE DRAINAGE. REFER TO CIVIL PLANS FOR CONTINUATION.
5. 4" SAN (BELOW GRADE) TO SITE DRAINAGE. REFER TO CIVIL PLANS FOR CONTINUATION.
6. 4" GW (BELOW GRADE) TO SITE DRAINAGE. REFER TO CIVIL PLANS FOR CONTINUATION.
7. 4" STORM (BELOW GRADE) TO SITE DRAINAGE. REFER TO CIVIL PLANS FOR CONTINUATION.
8. 2" PUMPED DISCHARGE TO RUN AND SPILL TO SERVICE SINK.
9. NEW TRENCH DRAIN. ZURN, MODEL Z886-HDF-HPDE. 14' LONG WITH CATCH BASIN AT END OF DRAIN.

SHEET NOTES

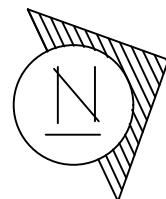
1. PLUMBING CONTRACTOR SHALL PROVIDE ALL SAW CUTTING AND EXCAVATION REQUIRED TO FURNISH NEW WORK BELOW SLAB ON GRADE. PLUMBING CONTRACTOR SHALL PROVIDE BACKFILL, COMPACTION AND NEW CONCRETE AS REQUIRED. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
2. ALL PIPING MATERIAL AND INSTALLATION SHALL BE IN ACORDANCE WITH THE 2025 NYS BUILDING CODE.
3. PERFORM GROUND PENETRATING RADAR TO PROPERLY LOCATE REQUIRED PIPING PRIOR TO CUTTING SLAB. SUB-SLAB VAPOR BARRIER TO BE RESTORED UPON COMPLETION OF PLUMBING WORK.
4. ALL PIPING SHALL BE COMPLETELY CONCEALED WITHIN THE BUILDING'S CONSTRUCTION.
5. PLUMBING CONTRACTOR SHALL RUN NEW WATER LINES TO ALL NEW FLOOR DRAINS WITH TRAP PRIMERS.
6. PLUMBING CONTRACTOR TO HAVE A FLOW TEST PERFORMED TO CONFIRM THERE IS SUFFICIENT CITY WATER STREET PRESSURE FOR ALL PLUMBING FIXTURES.



FIRST FLOOR PLAN

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

MEZZ. SQUARE FOOTAGE = 13,924



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06-22-2026 ISSUED FOR
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07-20-2026 ISSUED FOR 90%CD
REVIEW
08-17-2026
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CONSTRUCTION BID AS SINGLE
PRIME CONTRACT INCLUDING
ALL TRADES

SEAL



SENDLEWSKI ARCHITECTS, P.C.

ARCHITECTS - PLANNERS

216 PARKWAY AVENUE, WESTFIELD, NY 12091 (518) 727-5552

entec

CONSULTING ENGINEERS, P.C.

3555 Veterans Memorial Highway, Suite 100
Rancho Santa Fe, CA 92053
P: 818.881.3900 F: 818.881.3971 www.entec-engineers.com

PROPOSED NEW FACILITY
ELLENVILLE FIRE DISTRICT
203 S. MAIN ST. NYS ROUTE 209
ELLENVILLE, NY 12428

PLUMBING
FIRST FLOOR
SANITARY & VENT

EMTEC PROJECT NO. 7611 DRAWN BY: MF CHECKED BY: APS

PROJECT No. 2501

EMTEC 7611

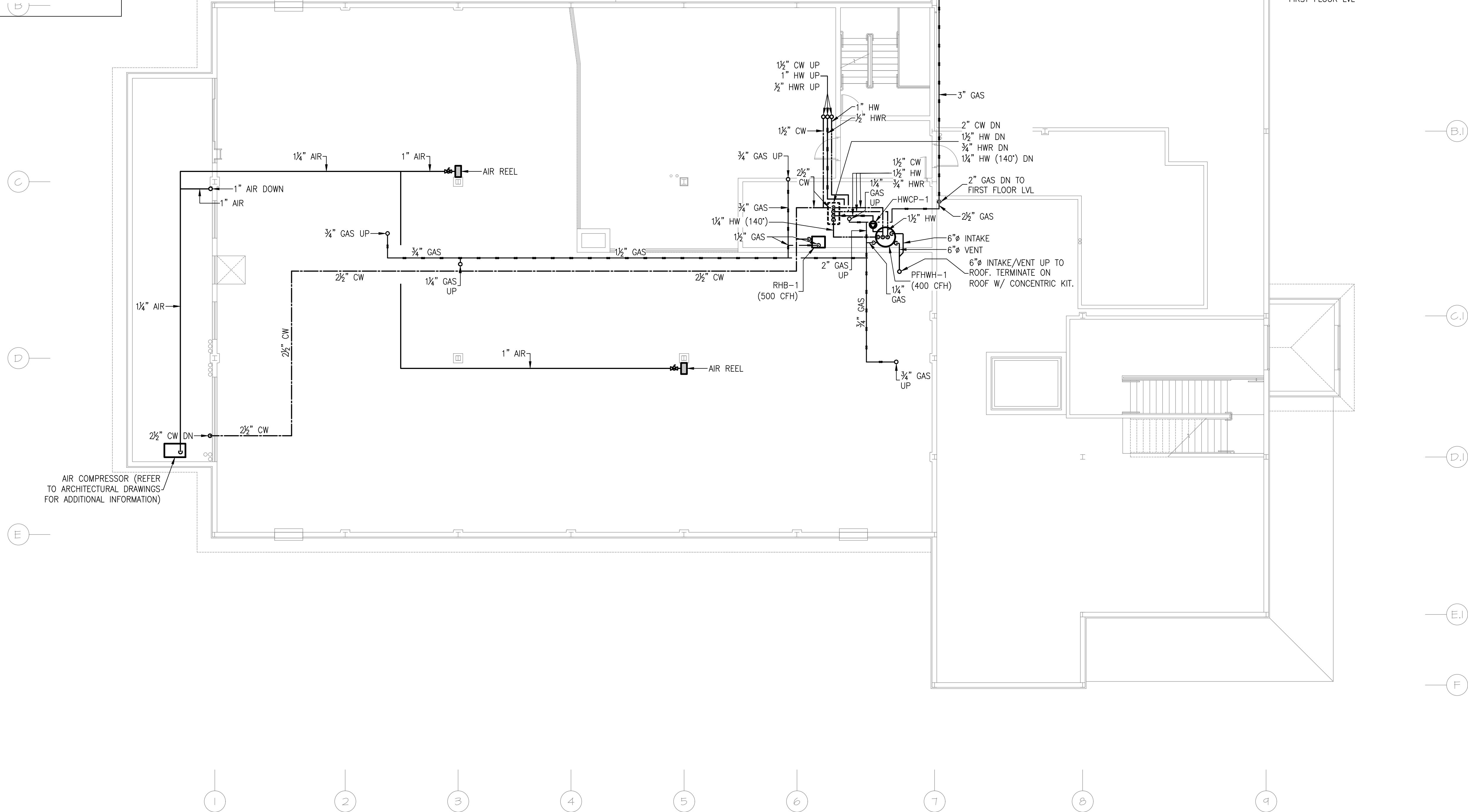
CHECKED BY: MF/APS

DRAWING:

P-1.2

SHEET NOTES

1. PLUMBING CONTRACTOR SHALL PROVIDE ALL SAW CUTTING AND EXCAVATION REQUIRED TO FURNISH NEW WORK BELOW SLAB ON GRADE. PLUMBING CONTRACTOR SHALL PROVIDE BACKFILL, COMPACTION AND NEW CONCRETE AS REQUIRED. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
2. ALL PIPING MATERIAL AND INSTALLATION SHALL BE IN ACORDANCE WITH THE 2025 NYS BUILDING CODE.
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6. PLUMBING CONTRACTOR TO HAVE A FLOW TEST PERFORMED TO CONFIRM THERE IS SUFFICIENT CITY WATER STREET PRESSURE FOR ALL PLUMBING FIXTURES.



MEZZANINE FLOOR PLAN (PARTIAL)

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

MEZZ. SQUARE FOOTAGE = 1,482



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216 FIDELITY AVENUE BIRMINGHAM, NY 11501 (516) 727-5552

CONSULTING ENGINEERS, DPC

3555 Veterans Memorial Highway, Suite 100
Rancho Santa Fe, CA 92051

P. 631.981.3980 F. 631.981.3971 www.emtec-engineers.com

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PROPOSED NEW FACILITY
ELLENVILLE FIRE DISTRICT
203 S. MAIN ST. NYS ROUTE 209
ELLENVILLE, NY 12428

PLUMBING
MEZZANINE
SUPPLY UTILITIES

PROJECT No. 2501

EMTEC 7611

CHECKED BY: MF/APS

DRAWING:

P-1.3

EMTEC PROJECT NO. 7611 DRAWN BY: MF CHECKED BY: APS

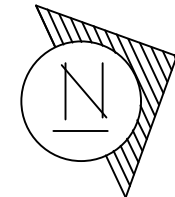
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C

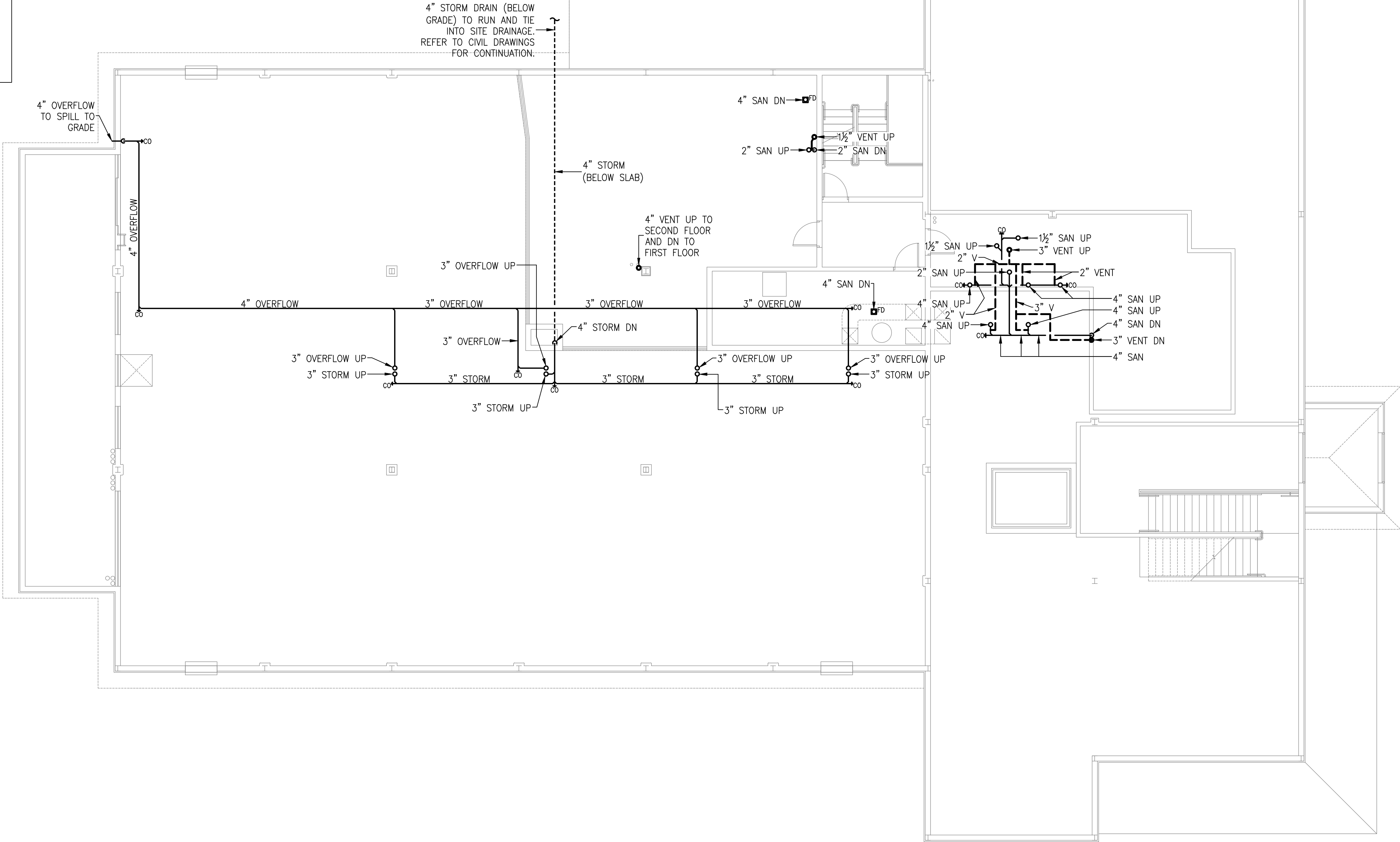
D

E



MEZZANINE FLOOR PLAN (PARTIAL)

SCALE: 1/8" = 1'-0" MEZZ. SQUARE FOOTAGE = 1,482



7

7.1

8.1

9

A

A.1

B.1

C.1

D.1

E.1

F

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216 FIDELITY AVENUE, RIVERHEAD, NY 11901 (631) 727-5552

entec

CONSULTING ENGINEERS, P.C.

3555 Veterans Memorial Highway, Suite 100
Rancho Santa Fe, CA 92053
P: 858.481.3980 F: 858.481.3971 www.entec-engineers.com

PROPOSED NEW FACILITY
ELLENVILLE FIRE DISTRICT
203 S. MAIN ST. NYS ROUTE 209
ELLENVILLE, NY 12428

PLUMBING
MEZZANINE
SANITARY & VENT

PROJECT No. 2501
EMTEC 7611

CHECKED BY: MF/APS

DRAWING:

P-14

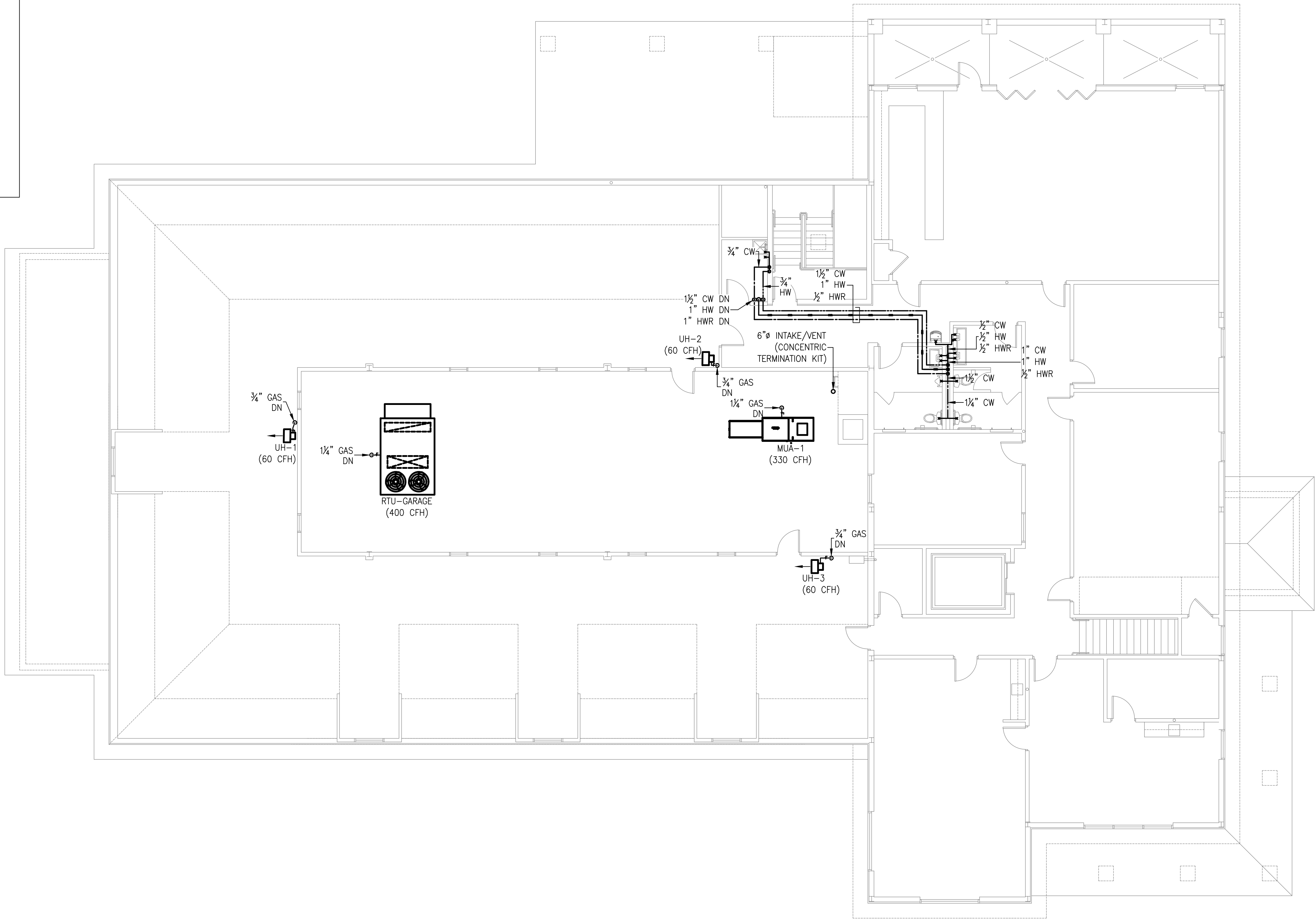
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SECOND FLOOR PLAN

SCALE: 1/8" = 1'-0"
SQUARE FOOTAGE = 5643
(NOT INCL. FLAT ROOF & ATTIC AREAS)



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ARCHITECTS - PLANNERS

216 PARKWAY AVENUE, RIVERHEAD, NY 11901 (631) 727-5552

entec

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3555 Veterans Memorial Highway, Suite 100
Rancho Santa Fe, CA 92053
P: 951.981.3980 F: 951.981.3971 www.entec-engineers.com

PROPOSED NEW FACILITY

ELLENVILLE FIRE DISTRICT

203 S. MAIN ST. NYS ROUTE 209

ELLENVILLE, NY 12428

PLUMBING

SECOND FLOOR

SUPPLY UTILITIES

PROJECT No. 2501

CHECKED BY: MF/APS

DRAWING:

P-1.5

EMTEC PROJECT NO. 7611 DRAWN BY: MF CHECKED BY: APS

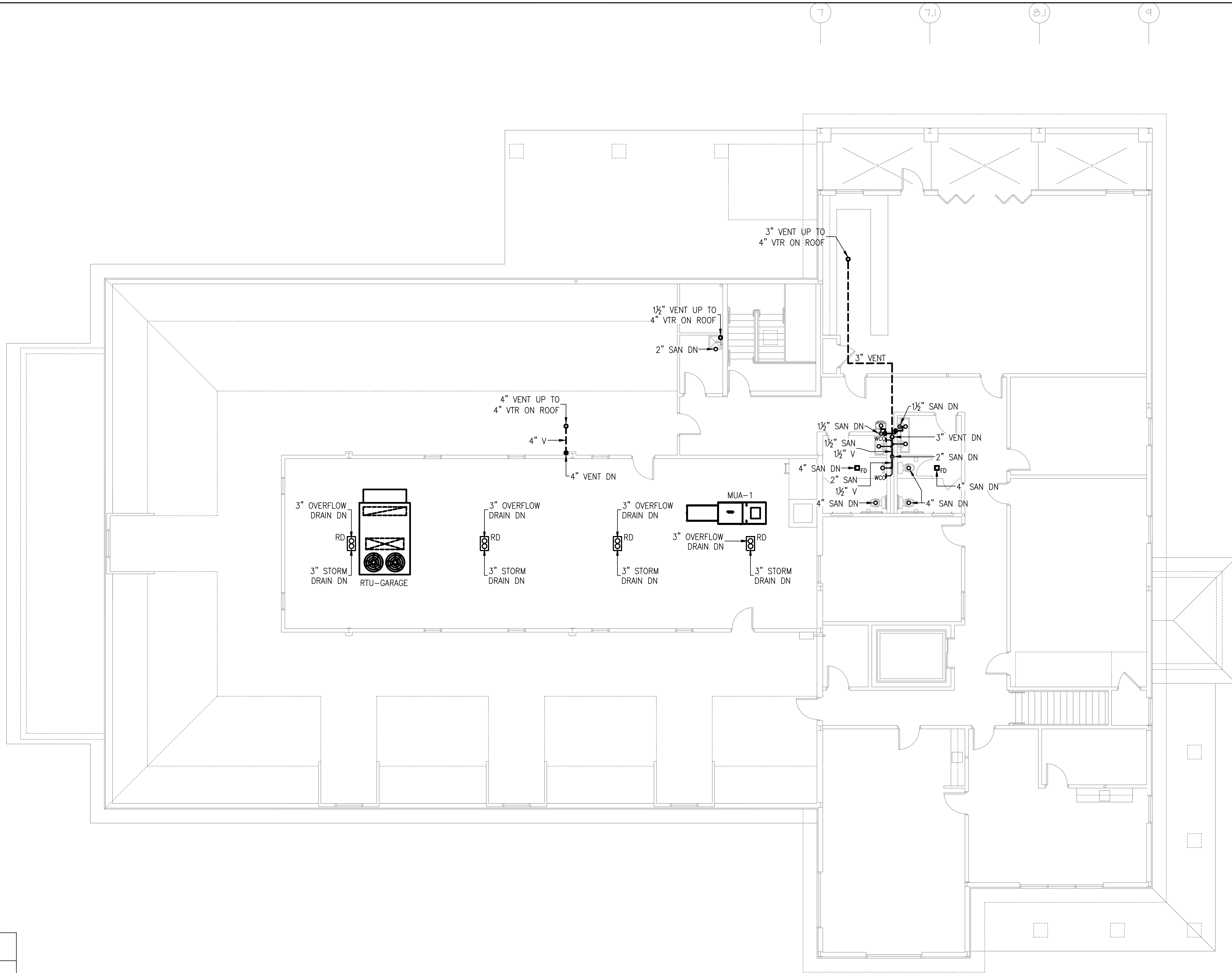
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SECOND FLOOR PLAN

SCALE: 1/8" = 1'-0" SQUARE FOOTAGE = 5643 (NOT INCL. FLAT ROOF & ATTIC AREAS)



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216 FIDELITY AVENUE, ENFIELD, NY 11901 (607) 727-5582

CONSULTING ENGINEERS, DPC

3555 Veterans Memorial Highway, Suite 100
Ranokoma, NY 11779

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PROPOSED NEW FACILITY

ELLENVILLE FIRE DISTRICT

203 S. MAIN ST. NYS ROUTE 209

ELLENVILLE, NY 12428

PLUMBING

SECOND FLOOR & ATTIC

SANITARY & VENT

PROJECT No. 2501

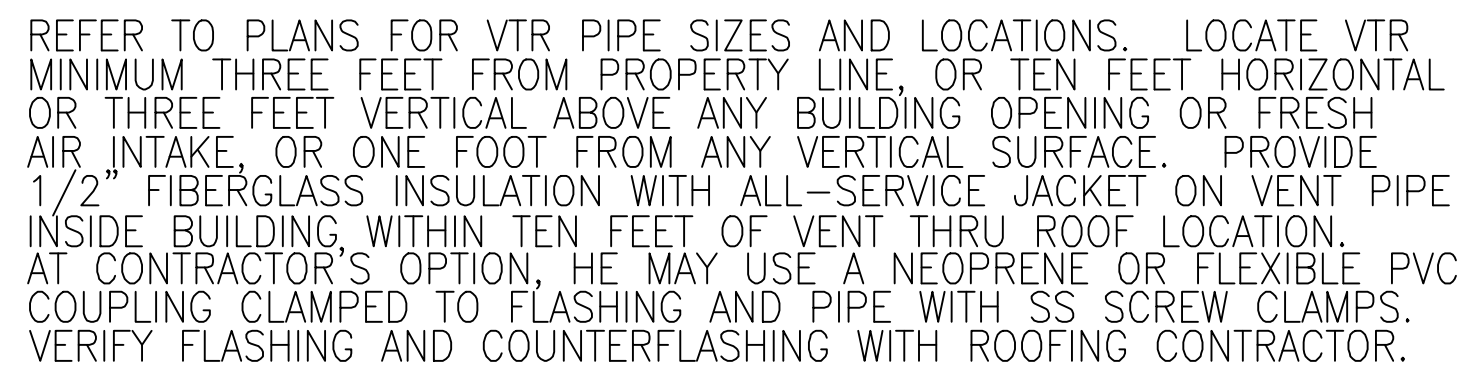
EMTEC 7611

CHECKED BY: MF/APS

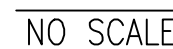
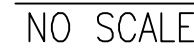
DRAWING:

P=1.6

EMTEC PROJECT NO. 7611 DRAWN BY: MF CHECKED BY: APS



NO SCALE



NOTE:
ALL PIPING & CONDUIT CLAMPS
AND ASSOCIATED NUTS & BOLTS
SHALL BE STAINLESS STEEL

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LOCATE FLOOR/HUB DRAINS WHERE SHOWN ON DIMENSIONED ARCHITECTURAL PLAN. IF FLOOR STRUCTURE INTERFERES WITH FLOOR/HUB DRAIN MOVE SIDWAYS IF POSSIBLE, OTHERWISE MOVE BACK. ALWAYS LOCATE WHERE EASILY ACCESSIBLE, BUT NOT IN FOOT TRAFFIC. IF SITUATION IS FLOOR SLAB ON GRADE, PROVIDE BACKFILL PER SPECIFICATIONS. IF CONCRETE FLOOR IS NOT EXISTING, SET DRAIN IN PLACE AND POUR AROUND IT. IF CONCRETE FLOOR IS EXISTING, SAW CUT OR CORE DRILL IT. SET DRAIN BODY IN PLACE AND POUR AROUND IT. RECESS TOP OF FLOOR SINKS 1/2" BELOW FLOOR SURFACE AND SLOPE FLOOR TO IT.

NO SCALE

PIPE SIZE	STEEL	COPPER	MINIMUM ROD SIZE INCHES
1/2	6	5	3/8
3/4	6	5	3/8
1	6	6	3/8
1 1/4	6	6	3/8
1 1/2	6	6	3/8
2	7	7	3/8
2 1/2	10	8	1/2
3	10	10	1/2
4	10	10	5/8
5	10	10	5/8
6	10	10	3/4
8	12	10	7/8
10	12	10	7/8

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ARCHITECTS - PLANNERS

2-15 PONDOKO AVENUE RIVERSHED, NY 11901 (651) 727-5852

Conte



EMILCO
CONSULTING ENGINEERS, DPC

3555 Veterans Memorial Highway, Suite M
Ronkonkoma, NY 11779

PROPOSED NEW FACILITY
ELLENVILLE FIRE DISTRICT
203 S. MAIN ST. NYS ROUTE 209
ELLENVILLE, NY 12428

PLUMBING DETAILS

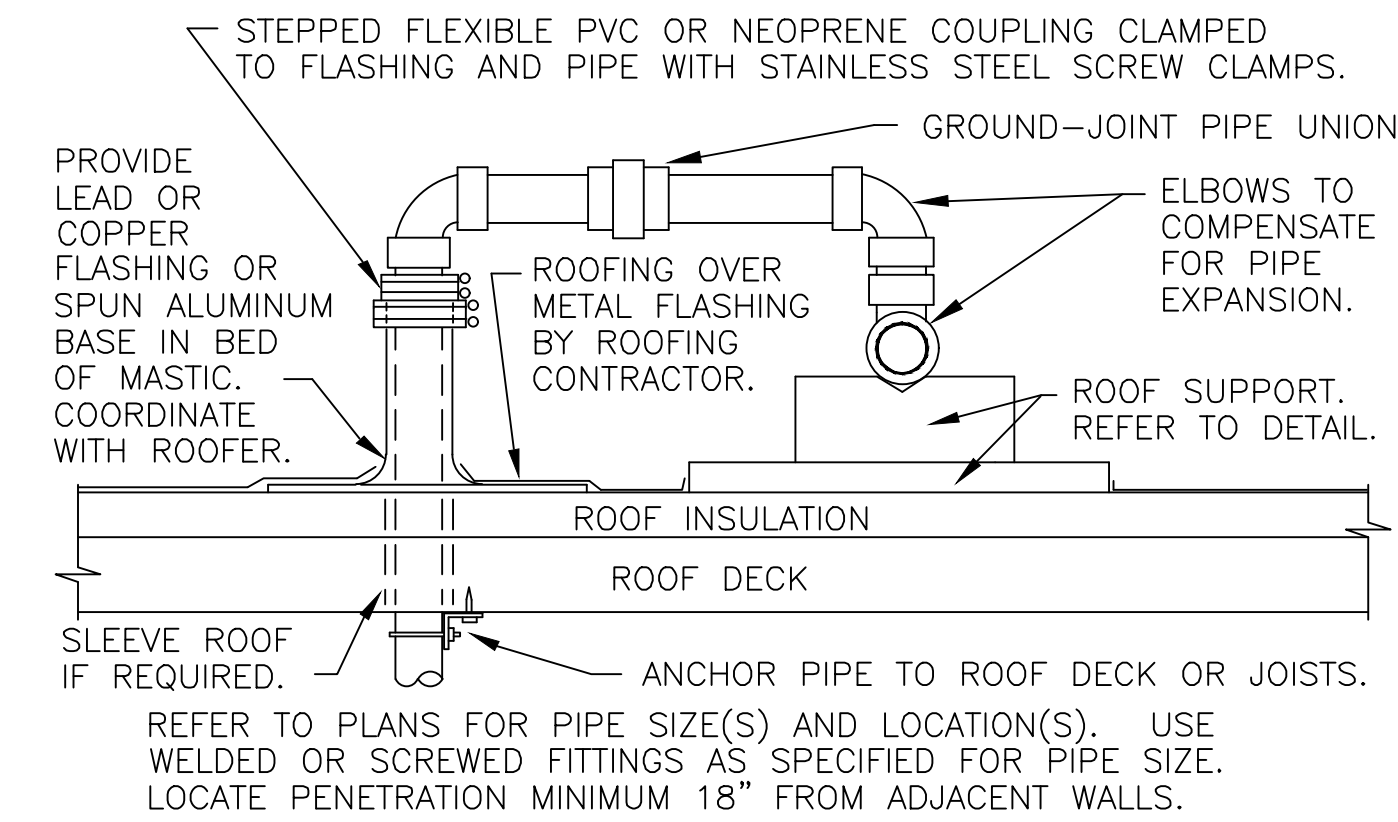
PROJECT No. 2501
EMTEC: 761

CHECKED BY: MF/APS

DRAWING:

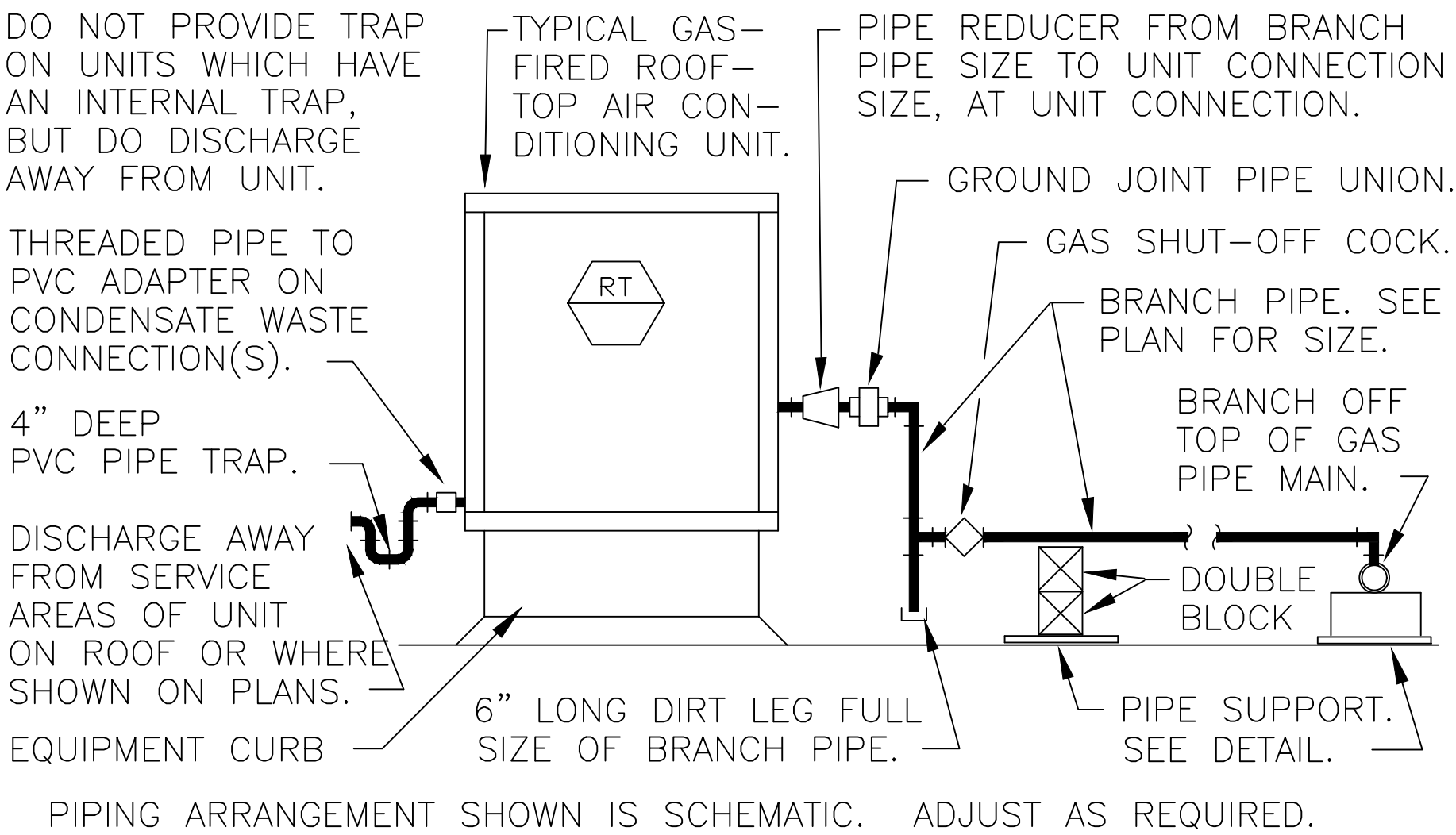
9 = 5

EMTEC PROJECT NO. 7611 DRAWN BY: MF CHECKED BY: APS



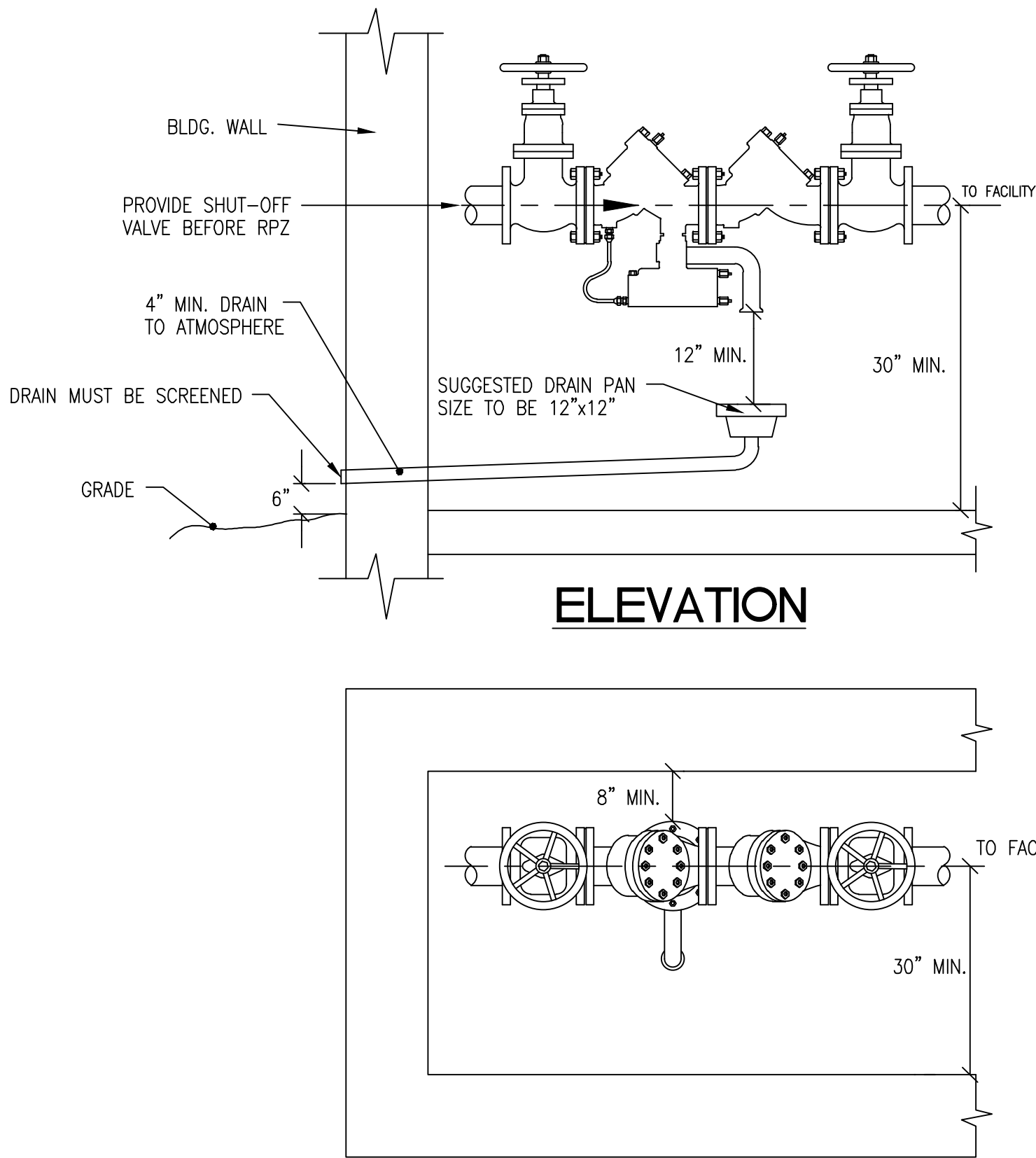
ROOF PIPING PENETRATION DETAIL

SCALE: NONE



RTU GAS TIE-IN DETAIL

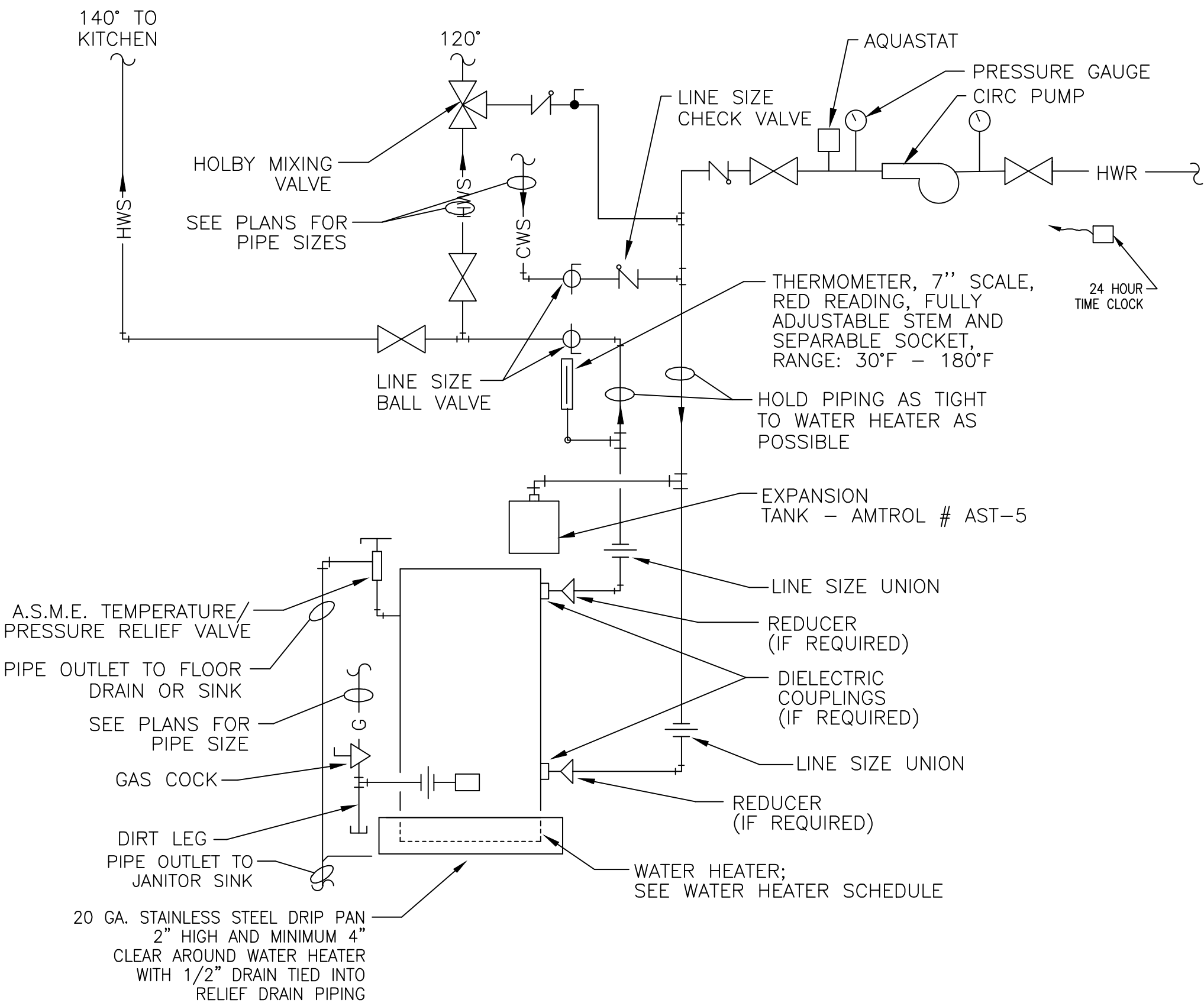
SCALE: NONE



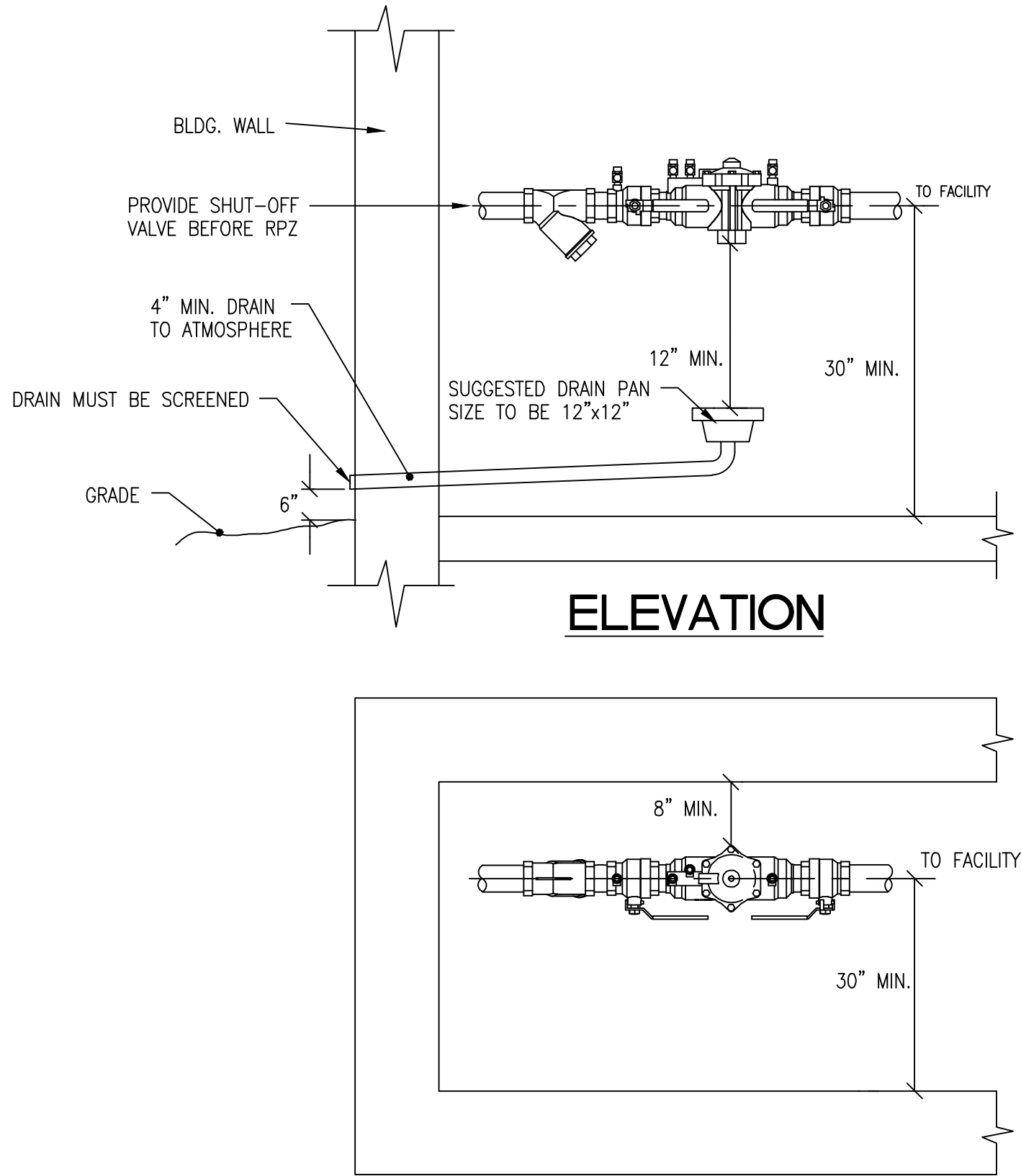
RPZ WITH OS+Y VALVES
DETAIL
NO SCALE

NOTES:

1. THIS DEVICE MUST BE PROTECTED AGAINST FREEZING.
2. TEST COCKS MUST BE POSITIONED TO FACILITATE TESTING. (30" MINIMUM CLEARANCE)
3. DRAINS CANNOT BE SUBJECT TO FLOODING AND MUST BE SCREENED.
4. PROPER MAINTENANCE MUST BE PERFORMED.
5. DEVICE FROM N.Y.S. APPROVED LIST.
6. DESTINATION OF DRAINAGE MUST BE SHOWN.
7. DEVICE MUST BE SUPPORTED TO THE WALL BEHIND THE DEVICE WITH THREADED RODS AND CLEVIS HANGER.
8. RESILIENT WEDGE OR BALL VALVES TO BE USED.
9. A SEPARATE SHUT OFF VALVE MUST BE INSTALLED.
10. DEVICE MAY NOT BE INSTALLED MORE THAN 5'-6" ABOVE THE FLOOR OR A SUITABLE PLATFORM.



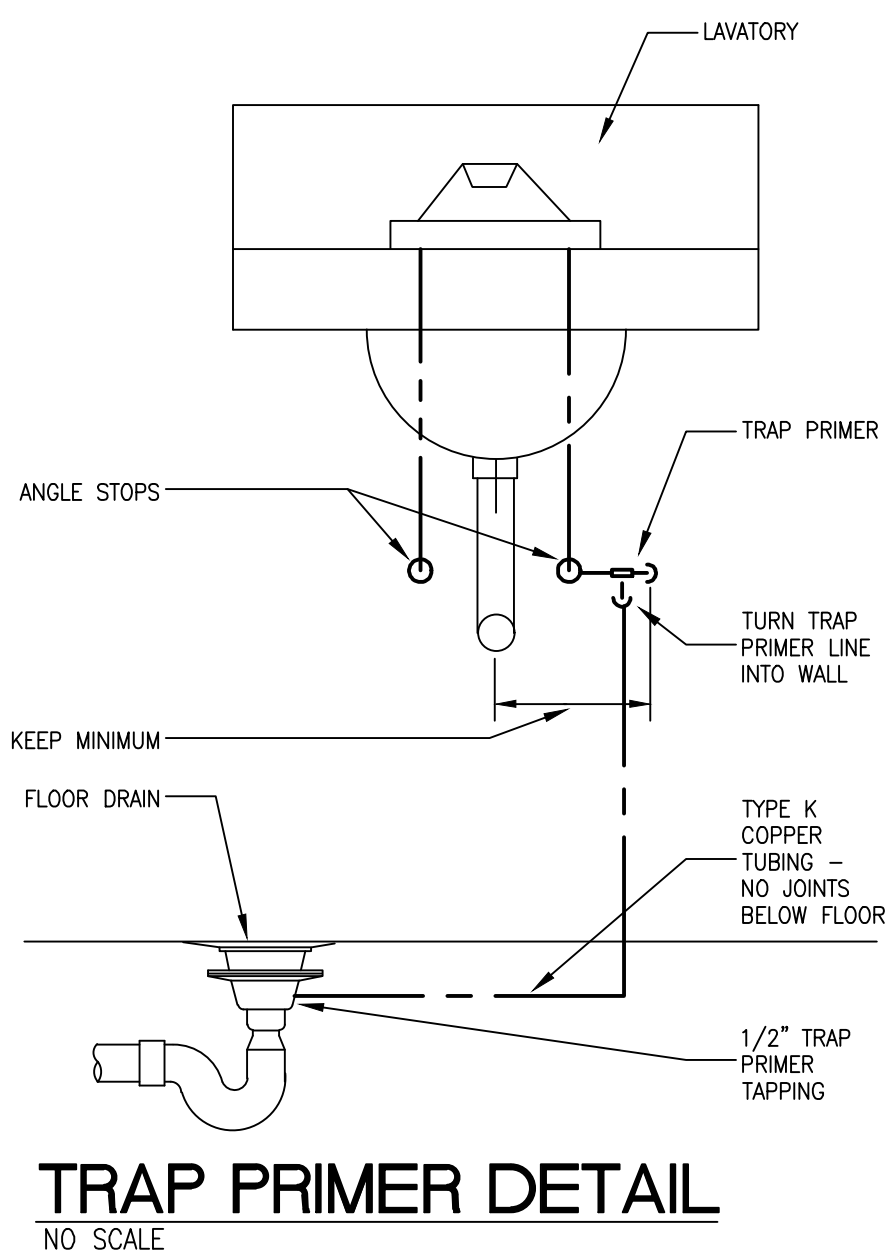
GAS-FIRED DOMESTIC WATER HEATER
WITH CIRCULATING PUMP
PIPING DETAIL
NO SCALE



RPZ DETAIL
NO SCALE

NOTES:

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2. TEST COCKS MUST BE POSITIONED TO FACILITATE TESTING (30" MINIMUM CLEARANCE).
3. ALL CONNECTIONS T'S, HOSE BIBS, IRRIGATION ETC. MUST BE INSTALLED AFTER (DOWNSTREAM) OF DEVICE.
4. DRAINS CANNOT BE SUBJECT TO FLOODING AND MUST BE SCREENED.
5. DESTINATION OF DRAINAGE MUST BE SHOWN.
6. PROPER MAINTENANCE MUST BE PERFORMED.
7. DEVICE MUST HAVE USC FOUNDATION FOR CROSS CONNECTION CONTROL APPROVAL.
8. DEVICE MUST BE ADEQUATELY SUPPORTED TO PREVENT LATERAL MOVEMENT. DEVICES 2" OR LARGER MUST BE SUPPORTED TO THE FLOOR.
9. SUPPORTS MUST BE PLACED WHERE THEY WILL NOT OBSTRUCT THE FUNCTION OR ACCESS TO RELIEF VALVE.
10. A SEPARATE SHUT OFF VALVE IS REQUIRED UPSTREAM OF THE ASSEMBLY.
11. ADEQUATE LIGHTING MUST BE PROVIDED.
12. DEVICE MAY NOT BE INSTALLED HIGHER THAN 5' ABOVE THE FLOOR OR A FIXED PLATFORM IS REQUIRED.
13. WHERE THE DISTANCE BETWEEN THE WATER METER AND DEVICE IS GREATER THAN 10' ALL EXPOSED PIPING MUST BE LABELED EVERY 5' DISPLAYING THE WORDS "FEED TO BACKFLOW PREVENTER DO NOT TAP".



TRAP PRIMER DETAIL
NO SCALE

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emtec CONSULTING ENGINEERS, P.C.

3555 Veterans Memorial Highway, Suite M
Rancho Santa Fe, California 92053
P: 631.981.3960 | F: 631.981.3971 | www.emtec-engineers.com

PROPOSED NEW FACILITY
ELLENVILLE FIRE DISTRICT
203 S. MAIN ST. NYS ROUTE 209
ELLENVILLE, NY 12428

PLUMBING
DETAILS

PROJECT No. 2501
EMTEC 7611

CHECKED BY: MF/APS

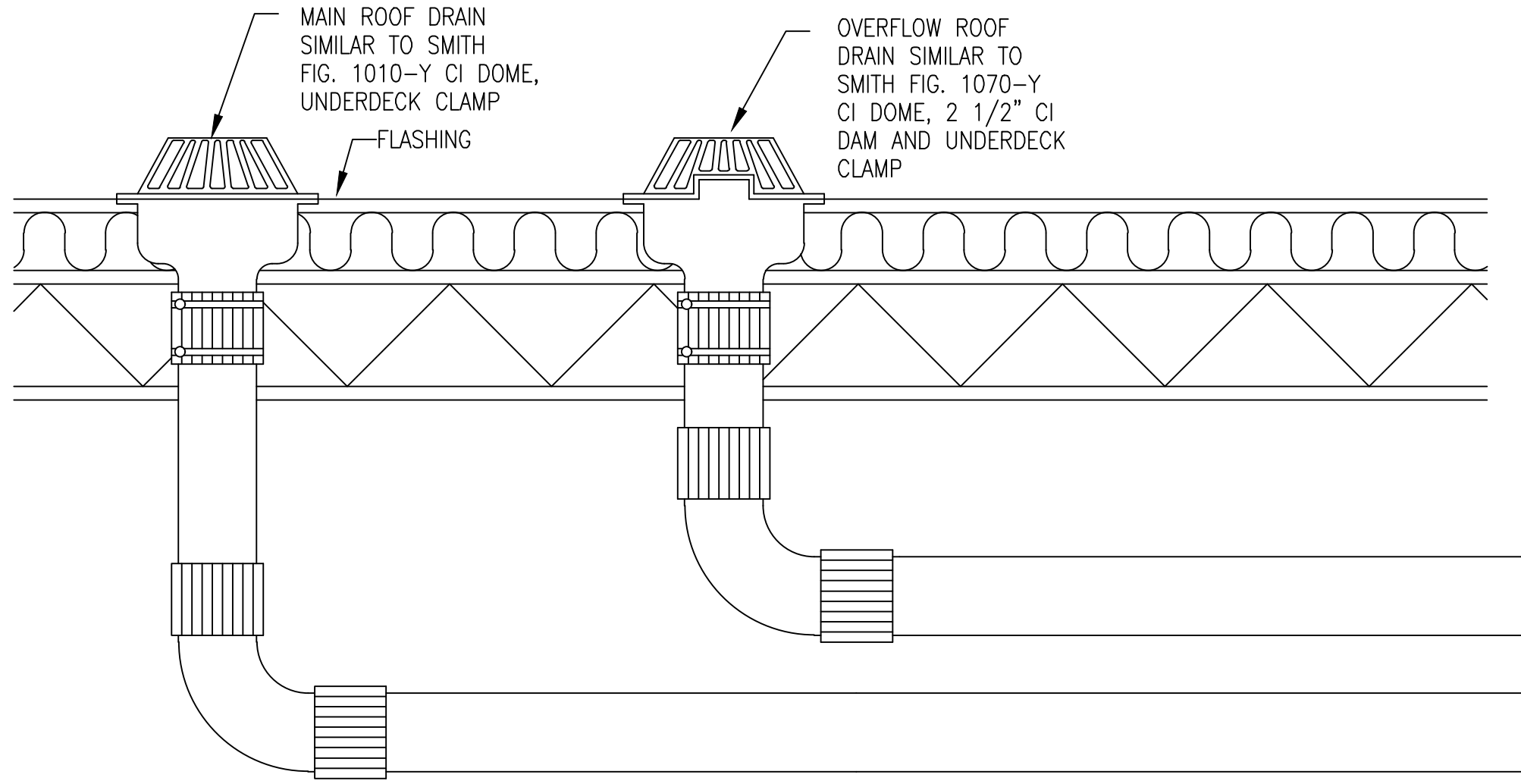
DRAWING:

P-5.2

EMTEC PROJECT NO. 7611 DRAWN BY: MF CHECKED BY: APS

NOTES:

1. All penetrations through rated walls, including but not limited to Boiler Rooms, Mechanical Equipment Rooms and Rated Shafts, shall be fire stopped per details sheets included in this drawing set. Refer to Architectural drawings for all wall ratings. Detail sheets show only a few common applications however, they do not show all applications. Contractor must use only firestop products that have been UL 1479 or ASTM E 814 tested for specific fire-rated construction conditions conforming to construction assembly type, penetrating item type, annular space requirements, and fire-rating involved for each separate instance.
2. Details shown are typical details. If field conditions do not match requirements of typical details, approved alternate details shall be utilized. Field conditions and dimensions need to be verified for compliance with the details, including but not limited to the following:
- * Minimum and maximum Width of Joints
 - * Type and thickness of fire-rated construction. The minimum assembly rating of the firestop assembly shall meet or exceed the highest rating of the adjacent construction.
3. If alternate details matching the field conditions are not available, manufacturer's engineering judgment drawings are acceptable. Drawings shall follow the International Firestop Council (IFC) Guidelines for Evaluating Firestop Systems Engineering Judgments.
4. References:
- * 2013 Underwriter's Laboratories Fire Resistance Directory, Volume 2
 - * NFPA 101 Life Safety Code
 - * All governing local and regional building codes
5. Firestop System installation must meet requirements of ASTM E-814 (UL 1479) tested assemblies that provide a fire rating equal to that of construction being penetrated.
6. All rated through-penetrations shall be prominently labeled with the following information:
- * ATTENTION: Fire Rated Assembly
 - * UL System #
 - * Product(s) used
 - * Hourly Rating (F-Rating)
 - * Installation Date

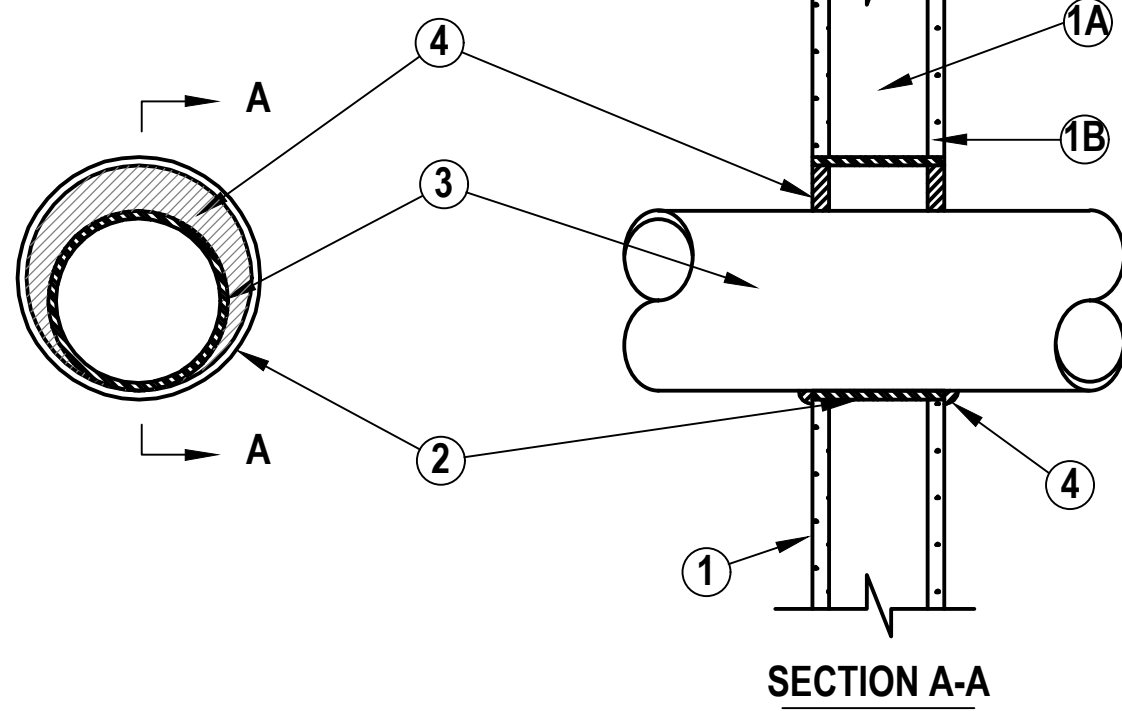


TYPICAL ROOF DRAIN AND
OVERFLOW DRAIN DETAIL

NO SCALE

REFER TO ARCHITECTURAL
DETAILS FOR ADDITIONAL
INFORMATION

UL/cUL System No. W-L-1164
F Ratings - 1 and 2 Hr (See Items 1 and 4)
T Rating - 0 Hr

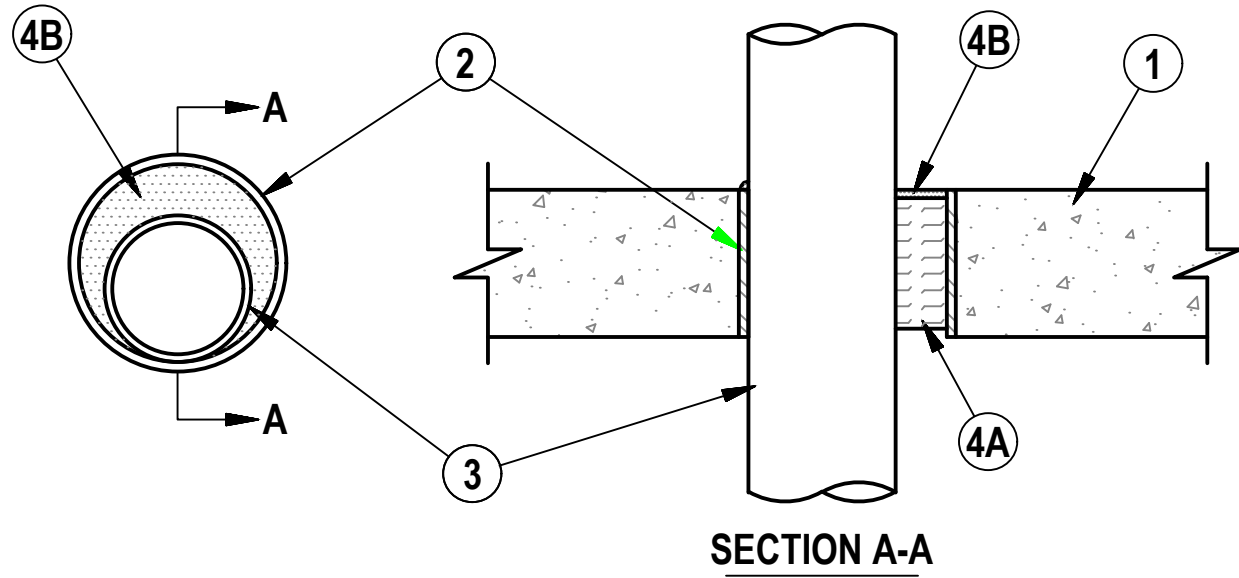


- Wall Assembly The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
 - Studs - Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC. When steel studs are used and the diam of opening exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between the vertical studs and screw attached to the steel studs at each end. The framed opening in the wall shall be 4 to 6 in. wider and 4 to 6 in. higher than the diam of the penetrating item such that, when the penetrating item is installed in the opening, a 2 to 3 in. clearance is present between the penetrating item and the framing on all four sides.
 - Gypsum Board - The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening in steel stud walls is 32in.. Max diam of openings in wood stud walls is 14-1/2 in.The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.
- Steel Sleeve - Nom 32 in. diam (or smaller) Schedule 40 (or heavier) steel pipe sleeve friction fit in nom 32 in. diam circular opening cut through gyp-sum wallboard layers. Length of steel sleeve to be equal to thickness of wall.
- Through-Penetrant - One metallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The annular space between pipe, conduit or tubing and the steel sleeve shall be min 0 in. (point contact) to max 1-7/8 in. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
 - Steel Pipe - Nom 30 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.
 - Iron Pipe - Nom 30 in. diam (or smaller) service weight (or heavier) cast iron soil pipe or Class 50 (or heavier) ductile iron pressure pipe.
 - Conduit - Nom 4 in. diam (or smaller) steel electrical metallic tubing.
 - Copper Tubing - Nom 6 in. diam (or smaller) Type L (or heavier) copper tubing.
 - Copper Pipe - Nom 6 in. diam (or smaller) Regular (or heavier) copper pipe.
- Fill, Void or Cavity Material*-Sealant - Min 5/8 in. and 1-14 in. thickness of fill material applied within annulus, flush with both surfaces of wall assembly for 1 or 2 hr rated walls, respectively. Min 1/2 in. diam bead of caulk applied to the penetrant/wallboard interface at the point contact location on both sides of wall.

FIRESTOP OF METAL PIPING THROUGH
GYPSUM RATED WOOD OR STEEL WALL DETAIL

N.T.S.

UL/cULSystem No. C-AJ-1421
F Rating - 2 and 3 Hr (See Item 4B)
T Rating = 0 Hr



- Floor or Wall Assembly - Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 6 in. (152 mm).
- Metallic Sleeve - (Optional) Nom 6 in. (152 mm) diam (or smaller) Schedule 40 (or heavier) steel sleeve cast or grouted into floor or wall assembly, flush with floor or wall surfaces.
- Through-Penetrant - One metallic pipe or conduit to be installed either concentrically or eccentrically within the firestop system. The annular space between pipe, tube or conduit and periphery of opening shall be min 0 in. (0 mm) (point contact) to max 5-3/8 in. (137 mm). Pipe or conduit to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes or conduits may be used:
 - Steel Pipe - Nom 4 in. (102 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
 - Iron Pipe - Nom 4 in. (102 mm) diam (or smaller) cast or ductile iron pipe.
 - Copper Pipe - Nom 4 in. (102 mm) diam (or smaller) Regular (or heavier) copper pipe.
 - Copper Tubing - Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper tubing.
 - Conduit - Nom 4 in. (102 mm) diam (or smaller) steel conduit.
 - Conduit - Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT).
- Firestop System - The firestop system shall consist of the following:
 - Packing Material - Min 4 in. (102 mm) thickness of min 4 pcf (64 kg/m3) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.
 - Fill, Void or Cavity Material* - Sealant - Min 1/4 in. (6 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall. For 3 Hr rated assemblies, a min 1/4 in. (6 mm) diam bead of fill material shall be applied at the concrete/pipe interface at the point contact location on the top surface of floor and on both surfaces of wall.

FIRESTOP OF METAL PIPING
THROUGH CONCRETE
FLOOR/WALL OR BLOCK WALL DETAIL

N.T.S.

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SEAL



SENDLEWSKI ARCHITECTS, P.C.

ARCHITECTS - PLANNERS

216 PLAZA DRIVE, SUITE 100, NEW YORK, NY 10001 (212) 727-5552

emtec

CONSULTING ENGINEERS, P.C.

3555 Veterans Memorial Highway, Suite 100
Rancho Santa Fe, CA 92053
P: 951.981.3980 F: 951.981.3971 www.emtec-engineers.com

PROPOSED NEW FACILITY

ELLENVILLE FIRE DISTRICT

203 S. MAIN ST. NYS ROUTE 209

ELLENVILLE, NY 12428

PLUMBING
DETAILS

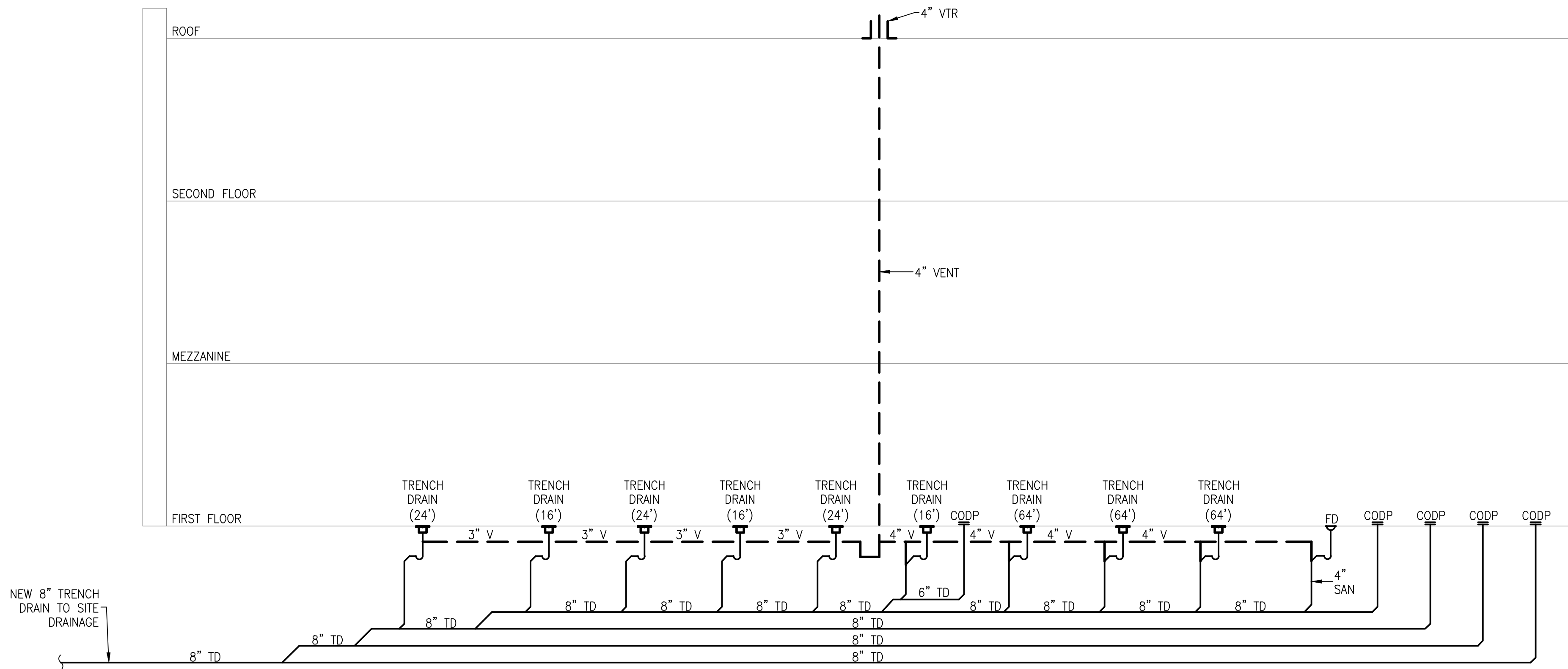
PROJECT No. 2501
EMTEC 7611

CHECKED BY: MF/APS

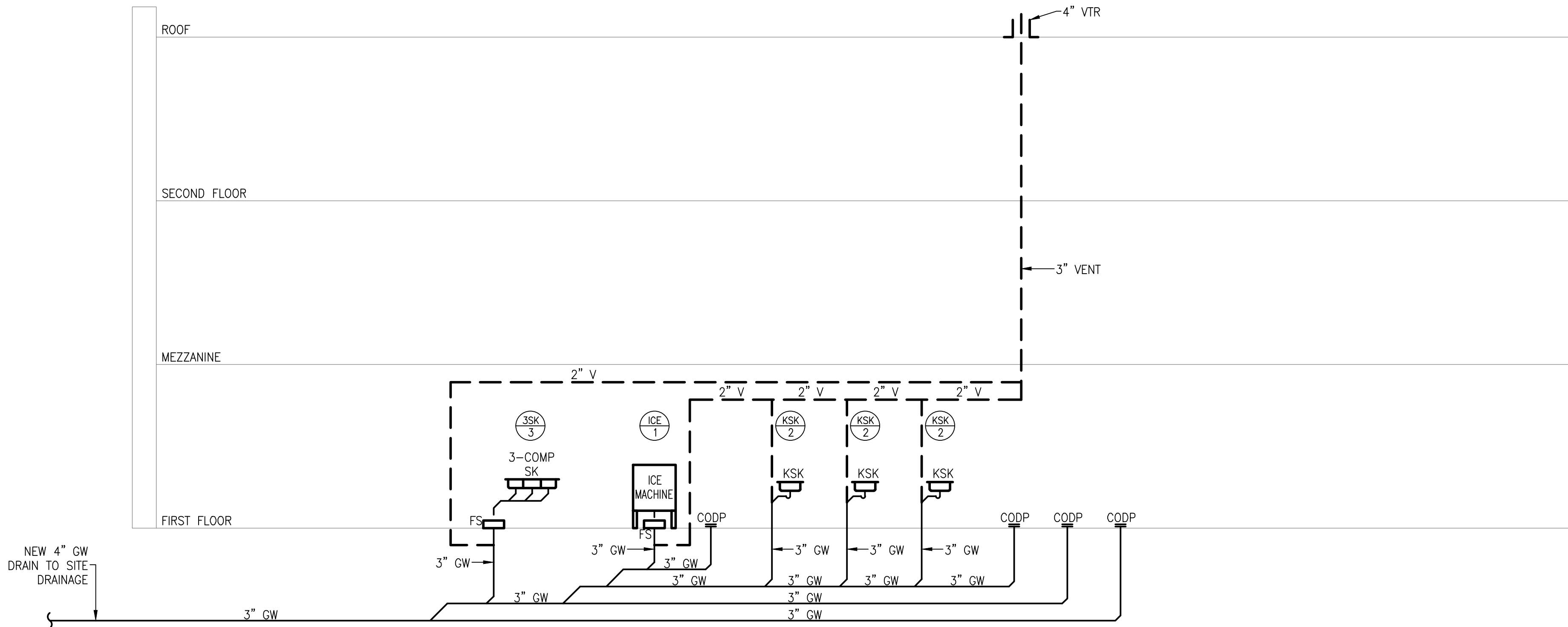
DRAWING:

P-5.3

EMTEC PROJECT NO. 7611 DRAWN BY: MF CHECKED BY: APS



TRENCH DRAINAGE RISER DIAGRAM
SCALE: NONE

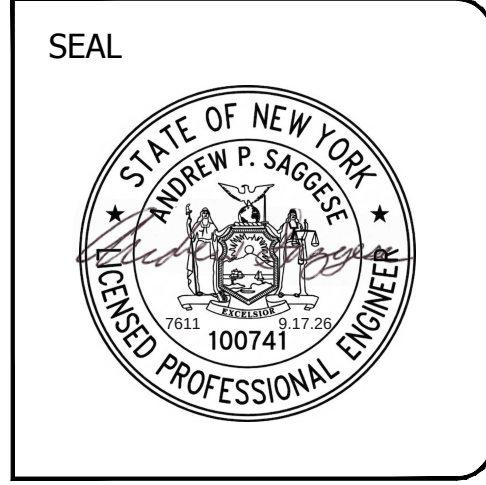


GREASE WASTE DRAINAGE RISER DIAGRAM
SCALE: NONE

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ARCHITECTS - PLANNERS

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emtec

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PROPOSED NEW FACILITY
ELLENVILLE FIRE DISTRICT
203 S. MAIN ST. NYS ROUTE 209
ELLENVILLE, NY 12428

PLUMBING
RISER DIAGRAMS

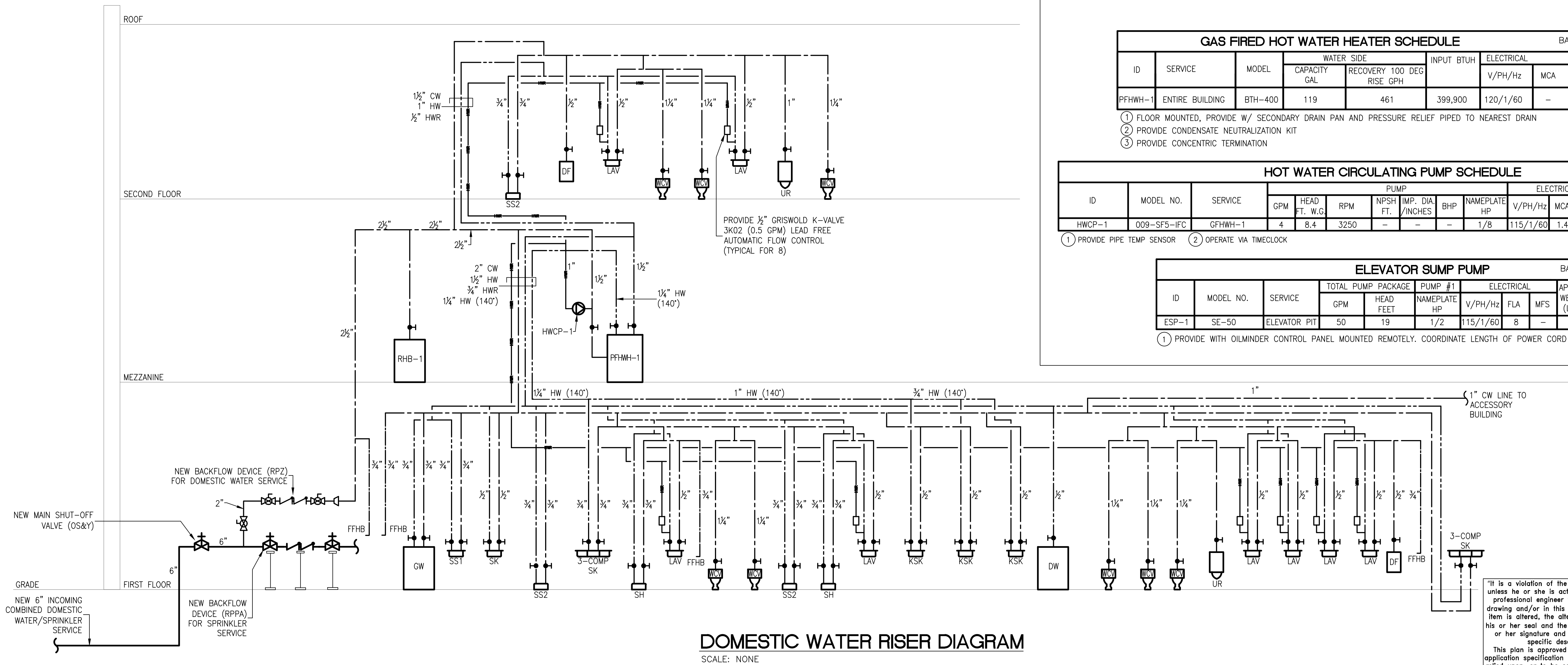
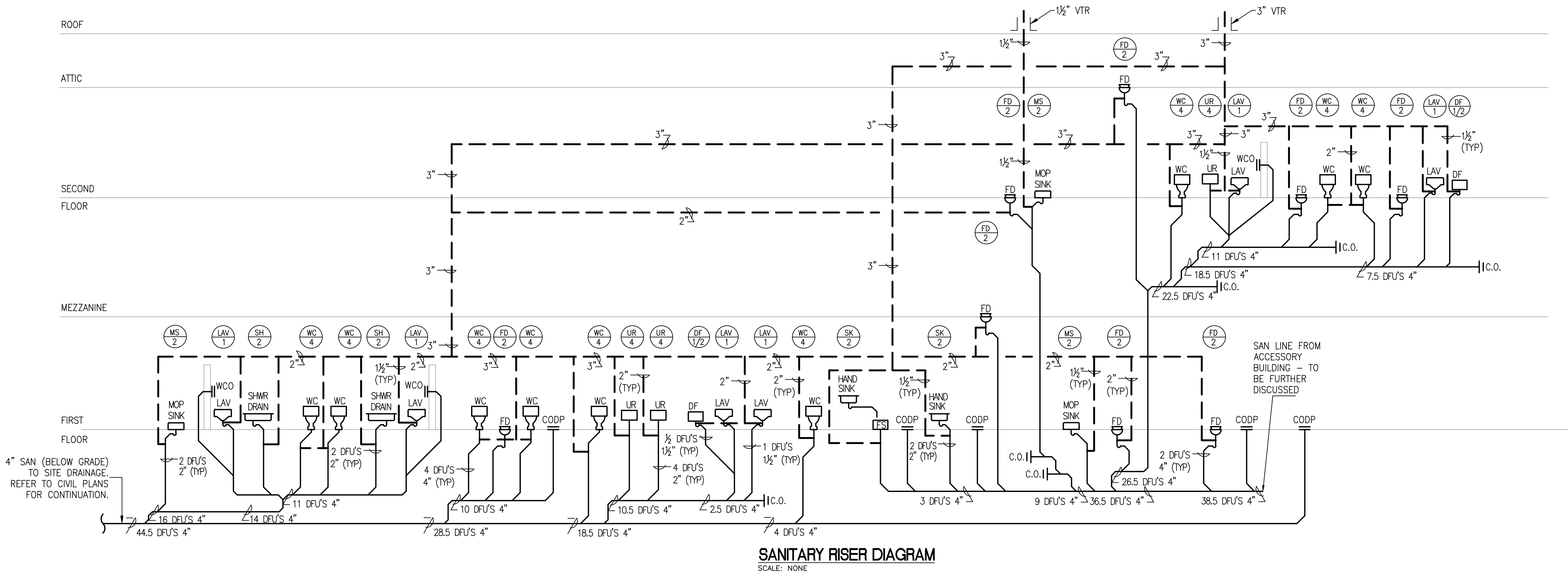
PROJECT No. **2501**
EMTEC-7611

CHECKED BY: **MF/APS**

DRAWING:

P-61

EMTEC PROJECT NO. 7611 DRAWN BY: MF CHECKED BY: APS



GAS FIRED HOT WATER HEATER SCHEDULE								BASIS OF DESIGN AO SMITH	
ID	SERVICE	MODEL	WATER SIDE		INPUT BTUH	ELECTRICAL		APPROX. WEIGHT (LBS)	REMARKS
			CAPACITY GAL	RECOVERY 100 DEG RISE GPH		V/PH/Hz	MCA		
PFHWH-1	ENTIRE BUILDING	BTH-400	119	461	399,900	120/1/60	-	825	①②③

- ① FLOOR MOUNTED, PROVIDE W/ SECONDARY DRAIN PAN AND PRESSURE RELIEF PIPED TO NEAREST DRAIN
② PROVIDE CONDENSATE NEUTRALIZATION KIT
③ PROVIDE CONCENTRIC TERMINATION

HOT WATER CIRCULATING PUMP SCHEDULE											BASIS OF DESIGN TACO			
ID	MODEL NO.	SERVICE	PUMP						ELECTRICAL			APPROX. WEIGHT (LBS)	REMARKS	
			GPM	HEAD FT. W.G.	RPM	NPSH FT.	IMP. DIA. /INCHES	BHP	NAMEPLATE HP	V/PH/Hz	MCA			MFS
HWCP-1	009-SF5-IFC	GFHWH-1	4	8.4	3250	-	-	-	1/8	115/1/60	1.4	-	9.5	①②

- ① PROVIDE PIPE TEMP SENSOR ② OPERATE VIA TIMECLOCK

ELEVATOR SUMP PUMP									BASIS OF DESIGN STANCOR	
ID	MODEL NO.	SERVICE	TOTAL PUMP PACKAGE			PUMP #1 NAMEPLATE HP	ELECTRICAL		APPROX. WEIGHT (LBS)	REMARKS
			GPM	HEAD FEET	IMP. DIA. /INCHES		V/PH/Hz	FLA		
ESP-1	SE-50	ELEVATOR PIT	50	19	1/2	1/2	115/1/60	8	-	①

- ① PROVIDE WITH OILMINDER CONTROL PANEL MOUNTED REMOTELY. COORDINATE LENGTH OF POWER CORD WITH FLOOR PLAN

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SENDLEWSKI ARCHITECTS, P.C. ARCHITECTS - PLANNERS 216 FIDELITY AVENUE, FIDELITY, NY 11707 (607) 727-5552
entec CONSULTING ENGINEERS, P.C. 3555 Veterans Memorial Highway, Suite M, Ronkonkoma, NY 11779 P.631.981.3980 F.631.981.3971 www.entec-engineers.com

PROPOSED NEW FACILITY ELLENVILLE FIRE DISTRICT 203 S. MAIN ST. NYS ROUTE 209 ELLENVILLE, NY 12428
PLUMBING RISER DIAGRAMS

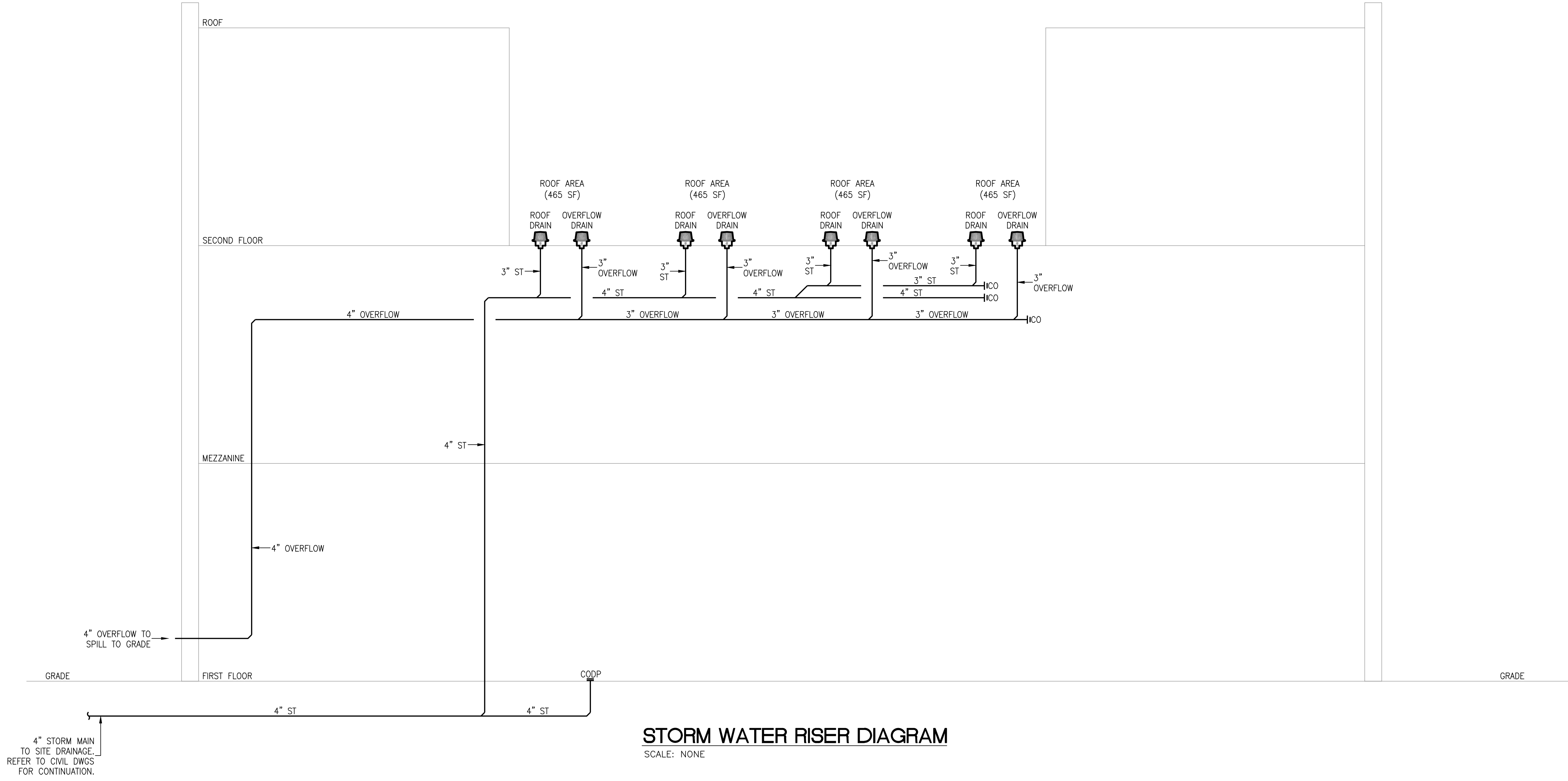
PROJECT No. 2501 EMTEC-7611

CHECKED BY: MF/APS

DRAWING: P-6.2

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PLUMBING FIXTURES AND EQUIPMENT							
ID	ITEM	W	V	CW	HW	FIXTURE SUPPORT	BASIS OF DESIGN
SS2	SERVICE SINK – MOP BASIN	2"	1½"	¾"	¾"	FLOOR MOUNTED	MUSTEE 63M MOP SERVICE BASIN – 24"x24"x10" WITH SERVICE SINK FAUCET MODEL 63.600A HEAVY-DUTY CHROME PLATED BRASS, 8" CENTERS
SS1	SERVICE SINK	2"	1½"	¾"	¾"	FLOOR MOUNTED	MUSTEE 12C UTILITUB; 18" POLYPROPYLENE LAUNDRY TUB SINK WITH STEEL LEGS AND FAUCET KIT
WCV	RESTROOM TOILET	4"	2"	1 ¼"	–	FLOOR MOUNTED	AMERICAN STANDARD AFWALL MILLENIUM FLOWISE 1.28 GPF FLUSHOMETER TOILET SYSTEM WITH EVERCLEAN SELECTRONIC FLUSH VALVE MODEL 3351.528 WITH MAXIMUM 1.28 GPF. AMERICAN STANDARD SEAT #5905.100 EXTRA HEAVY DUTY OPEN FRONT LESS COVER.
LAV1	RESTROOM LAVATORY	1½"	1½"	½"	½"	WALL MOUNTED	BRADLEY VERGE WAS BASIN LVA SERIES #LVAD1 WITH WASHBAR DUO WBD1. WATER TEMPERATURE ADJUSTED BY MASTER CONTROL BOX. ASSE 1070 COMPLIANT MIXING VALVE (LEONARD, MODEL #170-LF)
DF	DRINKING FOUNTAIN SINGLE	1½"	1¼"	½"	–	WALL MOUNTED	ELKAY EZH2O BOTTLE FILLING STATION & SINGLE ADA COOLER HIGH EFFICIENCY FILTERED 8 GPH LIGHT GRAY MODEL LZSGBWSLK
UR	URINAL	4"	2"	1"	–	WALL MOUNTED	AMERICAN STANDARD ALLBROOK URINAL SYSTEM SELECTRONIC FLUSH VALVE BARRIER FREE MODEL 6541.610 WITH 0.5 GPF MAXIMUM.
SHWR	SHOWER	3"	1½"	1 ½"	1 ½"	FLOOR MOUNTED	MUSTEE CAREGIVER 3254 BARRIER-FREE SHOWER FLOOR COMPLIES WITH ADA (WITHOUT 360.100 ENTRY RAMP ADA). AMERICAN STANDARD FLOWISE COMMERCIAL SHOWER SYSTEMS 1.5 GPM SHOWER SYSTEM KIT WITH HAND SHOWER MODEL 1662.211. PLUMBING CONTRACTOR SHALL PROVIDE HUBLESS STAINLESS STEEL CLAMPS FOR DRAIN CONNECTION AND SHALL PROVIDE NEW BRASS P-TRAP WITH MECHANICAL TRAP PRIMER.
FFHB	HOSE BIBB – OUTDOORS	–	–	¾"	–	WALL MOUNTED	JAY R. SMITH 5509QT ¼ TURN NON-FREEZE WALL HYDRANT WITH INTEGRAL VACUUM BREAKER AND STAINLESS STEEL BOX.
FD	FLOOR DRAIN	2"	2"	–	–	FLOOR MOUNTED	WADE 1100-STD WITH TRAP PRIMER TAP AND 6" COVER
LAV2	RESTROOM LAVATORY	1½"	1½"	½"	½"	WALL MOUNTED	BRADLEY VERGE WAS BASIN LVA SERIES #LVAD2 WITH WASHBAR DUO WBD1. WATER TEMPERATURE ADJUSTED BY MASTER CONTROL BOX. ASSE 1070 COMPLIANT MIXING VALVE (LEONARD, MODEL #170-LF)
1. ALL PLUMBING FIXTURES TO BE APPROVED BY ARCHITECTS AND OWNER PRIOR TO PURCHASE AND/OR INSTALLATION.							

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ELLENVILLE, NY 12428

PLUMBING RISER DIAGRAM

PROJECT No. 2501

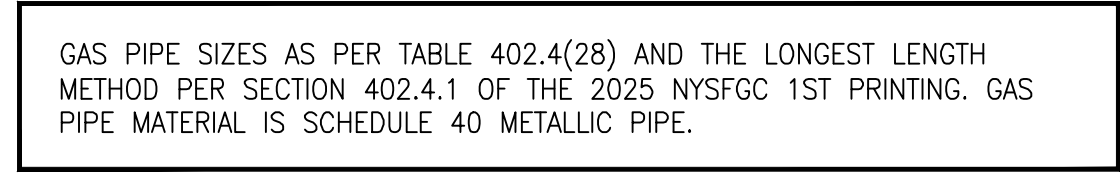
EMTEC 7611

CHECKED BY: MF/APS

DRAWING:

P-6.3

EMTEC PROJECT NO. 7611 DRAWN BY: MF CHECKED BY: APS



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GENERAL:

EACH BIDDER SUBMITTING HIS PROPOSAL SHALL EXAMINE ALL DRAWINGS RELATING TO THIS WORK AND VERIFY ALL COVERING CONDITIONS AT THE BUILDING AND SHALL BECOME FULLY INFORMED AS TO THE EXTENT AND CHARACTER OF THE WORK REQUIRED AND ITS RELATION TO OTHER WORK. NO CONSIDERATION WILL BE GRANTED FOR ANY ALLEGED MISUNDERSTANDING OF MATERIALS TO BE FURNISHED OR WORK TO BE DONE, IS BEING UNDERSTOOD THAT THE SUBMISSION OF A PROPOSAL IS AN AGREEMENT TO ALL ITEMS AND CONDITIONS REFERRED TO HEREIN OR INDICATED ON THE ACCOMPANYING DRAWINGS.

WORK INCLUDED:

THE WORK INCLUDES FURNISHING AND INSTALLATION OF ALL MATERIALS AND LABOR NECESSARY TO COMPLETE AND MAKE READY FOR OPERATION BY THE OWNER ALL PLUMBING WORK AS SHOWN ON THE DRAWINGS AND HEREINAFTER SPECIFIED, INCLUDING, BUT NOT LIMITED TO THE FOLLOWING:

- ALTERATIONS AND ADDITIONS TO EXISTING SANITARY WASTE AND VENT PIPING INCLUDING PIPING VALVES AND CONNECTIONS TO ALL FIXTURES AND EQUIPMENT.
- ALTERATIONS AND ADDITIONS TO EXISTING DOMESTIC HOT AND COLD WATER PIPING INCLUDING RELOCATIONS, REPLACEMENTS AND CONNECTIONS TO ALL FIXTURES AND EQUIPMENT.
- ALTERATIONS TO EXISTING NATURAL GAS PIPING INCLUDING METER ASSEMBLIES, PIPING AND CONNECTIONS TO ALL FIXTURES AND EQUIPMENT.
- SLEEVES HANGERS AND SUPPORTS.
- INSULATION FOR ALL NEW HOT AND COLD WATER PIPING.
- REMOVALS OF EXISTING FIXTURES AND PIPING AS REQUIRED.
- CUTTING AND PATCHING AS NECESSARY FOR ACCESS TO EXISTING PLUMBING.
- ROUGH PATCHING OF CEILINGS AND FURRINGS.
- PROVIDE ALL FIXTURES AND REQUIRED TRIMMINGS.
- FINAL CONNECTIONS AND INSTALLATIONS OF ALL FIXTURES AND TRIMMINGS.
- SHOP DRAWINGS.
- APPLY FOR, OBTAIN AND PAY FOR ALL REQUIRED PERMITS, CERTIFICATES, INSPECTIONS AND APPROVALS REQUIRED FOR ALL PLUMBING WORK.
- IT IS NOT THE INTENTION OF THESE SPECIFICATIONS TO DESCRIBE, NOR THE CONTRACT DRAWINGS TO SHOW IN DETAIL, ALL VARIOUS PIECES OF APPARATUS AND APPURTENANCES AND THEIR CONNECTIONS. THIS CONTRACTOR SHALL, AS PART OF THE CONTRACT, FURNISH AND INSTALL ALL INCIDENTALS, SUCH AS PIPING, FITTINGS, VALVES, ETC. REQUIRED TO COMPLETE THE INSTALLATION OF EQUIPMENT. THIS CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS AND PLUMBING DRAWINGS FOR EXACT LOCATION OF FIXTURES INCLUDING TYPE AND QUANTITIES.
- WHERE DUE TO UNION REGULATIONS OR TRADE AGREEMENTS, IF ANY OF THE WORK SHOWN ON THE DRAWINGS OR SPECIFIED HEREIN IS NOT CONSIDERED PLUMBER'S WORK, THIS CONTRACTOR SHALL SUB- CONTRACT THE WORK IN QUESTION, BUT THIS CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE COMPLETE INSTALLATION.

EXAMINATION OF EXISTING CONDITIONS:

BEFORE SUBMITTING PROPOSALS BIDDERS SHALL VISIT THE SITE AND CAREFULLY EXAMINE THOSE PORTIONS OF THE BUILDING AFFECTED BY THIS WORK SO AS TO FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL ATTEND THE EXECUTION OF THE WORK. SUBMISSION OF THE PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE WITH LATER CLAIMS FOR LABOR OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE, AS DETERMINED BY THE ARCHITECT, WILL NOT BE RECOGNIZED.

PERMITS AND CERTIFICATES:

THIS CONTRACTOR SHALL GIVE NECESSARY NOTICES, FILE DRAWINGS AND SPECIFICATIONS WITH THE DEPARTMENTS HAVING JURISDICTION, OBTAIN PERMITS OR LICENSES NECESSARY TO CARRY OUT THIS WORK, AND PAY ALL FEES REQUIRED.

SUBMITTALS:

MANUFACTURER'S CATALOG CUTS AND SHOP DRAWINGS FOR THE FOLLOWING APPARATUS, GIVING FULL DESCRIPTION AND OTHER PERTINENT FACTS, SHALL BE SUBMITTED AND THEIR APPROVAL SECURED BEFORE EQUIPMENT IN QUESTION IS ORDERED, BUILT, OR INSTALLED.

- ALL PIPING AND SUPPORTS.
- FLOOR DRAINS.
- VALVES.
- ALL PLUMBING FIXTURES AND TRIM.
- COORDINATED PIPING LAYOUT PLAN.

PLUMBING CONTRACTOR SHALL SUBMIT REPRODUCIBLE "AS-BUILT" RECORD DRAWINGS, MINIMUM SCALE $\frac{1}{2}$ INCH = 1'-0", INDICATING THE ACTUAL AND TRUE INSTALLATION OF ALL PIPING AND EQUIPMENT.

QUANTITIES AND TYPES OF SUBMITTALS SHALL BE AS REQUIRED BY ARCHITECT.

REMOVAL OF EXISTING WORK:

- REMOVE AND/OR RELOCATE ANY EXISTING PLUMBING WORK WHICH INTERFERES WITH INSTALLATION OF NEW WORK.

SCAFFOLDING AND RIGGING:

CONTRACTOR SHALL PROVIDE ALL SCAFFOLDING, RIGGING AND SERVICES NECESSARY FOR ERECTION AND DELIVERY ONTO THE PREMISES OF ALL MATERIALS FURNISHED AND/OR INSTALLED UNDER THIS SECTION OF THE SPECIFICATIONS AND REMOVE SAME FROM PREMISES WHEN NO LONGER REQUIRED.

CLEAN UP:

CONTRACTOR SHALL MAINTAIN CONSTRUCTION SITE IN A CLEAN AND ORDERLY CONDITION AND SHALL REMOVE ALL TRASH FROM THE PREMISES PRIOR TO ACCEPTANCE OF WORK.

GUARANTEE:

THE CONTRACTOR GUARANTEES BY HIS ACCEPTANCE OF THE CONTRACT THAT ALL WORK INSTALLED WILL BE FREE FROM ANY AND

ALL DEFECTS FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE OF WORK.

STANDARDS AND CODES:

- NEW YORK STATE BUILDING CODES.
- BUILDING STANDARDS AND REQUIREMENTS.

TESTING AND ADJUSTMENTS:

WORK OF THIS CONTRACTOR SHALL INCLUDE THE FURNISHING OF ALL TESTING INSTRUMENTS, GAUGES, PUMPS, SMOKE MACHINES, AND OTHER EQUIPMENT REQUIRED OR NECESSARY FOR TESTS, REQUIRED BY CODE AND REGULATIONS AS REQUIRED BY THE LOCAL INSPECTOR.

- DOMESTIC WATER SYSTEM
 - DOMESTIC COLD WATER SYSTEM: SHALL BE TESTED TO HYDROSTATIC PRESSURE OF 100 POUNDS PER SQUARE INCH, AND PROVED TIGHT AS THE PRESSURE FIXTURES ARE INSTALLED.
 - THE TEST PRESSURE SHALL BE HELD FOR A PERIOD NOT LESS THAN TWO (2) HOURS. IF THE PRESSURE DROPS, ALL REPAIRS AND ALTERATIONS IN THE PIPING SYSTEM NECESSARY TO MEET THE TEST SHALL BE MADE.
- SANITARY DRAINAGE SYSTEM
 - THE ENTIRE PIPING OF THE SANITARY DRAINAGE SYSTEMS SHALL BE TESTED WITH WATER IN ACCORDANCE WITH NEW YORK STATE BUILDING CODES AND THE LOCAL PLUMBING INSPECTOR'S REQUIREMENTS AND PROVED TIGHT BEFORE THE PIPING IS CONCEALED OR FIXTURES CONNECTED.
 - ALL DRAINAGE AND VENT SYSTEMS SHALL BE FILLED WITH WATER AND PROVEN TIGHT UNDER A 10'-0" HEAD OVER NEW WORK FOR A MINIMUM OF TWO (2) HOURS. WATER LEVEL MUST REMAIN CONSTANT THROUGHOUT TEST WITHOUT ADDING WATER.
- NATURAL GAS SYSTEM
 - TEST IN ACCORDANCE WITH NEW YORK STATE BUILDING CODES, LOCAL INSPECTOR'S REQUIREMENTS, AND LOCAL UTILITY CO. RULES AND REGULATIONS.
 - TEST LOW PRESSURE SYSTEMS FOR 20 MINUTES WITHOUT DROP IN PRESSURE USING APPROVED MERCURY GAUGE. SET AIR PRESSURE AT 7 TO 10 INCHES OF MERCURY.

PIPING MATERIALS:

- SOIL, WASTE, AND VENT PIPING BELOW GROUND SHALL BE SERVICE WEIGHT CAST IRON PIPE WITH BELL & SPIGOT JOINTS. JOINTS SHALL BE MADE WITH PUSH ON STYLE NEOPRENE GASKETS AS MANUFACTURED BY TYLER PIPE CO. OR APPROVED EQUAL.
- SOIL, WASTE, AND VENT PIPING ABOVE GROUND SHALL BE HUBLESS, SERVICE WIEGHT, CAST IRON SOIL PIPE AND FITTINGS. JOINTS SHALL BE MADE WITH CISPI STYLE COUPLINGS AS MANUFACTURED BY "HUSKY" OR "CLAMP-ALL".
- DOMESTIC WATER PIPING SHALL BE SEAMLESS DRAWN OR EXTRUDED HARD TEMPER TYPE "1" COPPER TUBING, ASTM B-88, WITH SOLDER JOINT FITTINGS. FITTINGS SHALL BE COPPER. JOINTS SHALL BE MADE WITH A SOLDER ALLOY (95%) CONSISTING OF TIN-ANTIMONY AND SHALL CONFORM TO ASTM SPECIFICATION B-32.
- INDIRECT WASTE PIPING SHALL BE SIMILAR TO THAT AS SPECIFIED FOR WATER PIPING EXCEPT PROVIDE WITH "DWV" PATTERNED FITTING.
- NATURAL GAS PIPING:
 - INTERIOR NATURAL GAS PIPING SHALL MEET LOCAL GAS COMPANY GUIDELINES.
 - PIPING SHALL BE SCHEDULE 40 BLACK STEEL WITH MAKERS NAME ROLLED IN THE METAL.
 - FOR PIPE 3" AND SMALLER, PROVIDE 150 POUND MALLEABLE IRON SCREWED FITTINGS.
 - ALL SHOULDER NIPPLES SHALL BE MADE OF EXTRA HEAVY PIPE. CLOSE NIPPLES SHALL NOT BE PERMITTED.

PIPING SYSTEM VALVES:

- DOMESTIC WATER VALVES TABULATED HEREIN HAVE BEEN SELECTED FROM THE CATALOG OF THE STOCKHAM CO. APPROVED EQUALS OF JENKINS CO., CRANE CO. AND APOLLO CO. WILL BE REVIEWED.

BALL VALVES	THREADED SOLDER ENDS	S216BRRRT S216BRRS	FOR 2" AND SMALLER
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- NATURAL GAS VALVES (COCKS)
 - LOW PRESSURE NATURAL GAS VALVES SHALL BE AGA STANDARD GAS COCKS. 2" AND SMALLER GAS COCKS SHALL BE EQUAL TO HOMESTEAD NO. 601. 2 $\frac{1}{2}$ " AND LARGER GAS COCKS SHALL BE FLANGED, IRON BODY LUBRICATED PLUG TYPE 175 PSI WOG EQUAL TO HOMESTEAD NO. 602. PROVIDE OPERATING WRENCHES WITH EACH VALVE.

HANGERS AND SUPPORTS:

- SUPPORTS AND HANGERS SHALL BE PROVIDED FOR HORIZONTAL AND VERTICAL PIPING. THE HANGER DESIGN SHALL CONFORM TO THE ASA CODE FOR PRESSURE PIPING. HANGERS SHALL BE KEPT OUTSIDE OF PIPE INSULATION.
- PIPES AND SUPPORTS SHALL BE OF THE FOLLOWING TYPES AND FIGURE NUMBERS, MANUFACTURED BY C&P, F&M, GRINNELL OR EQUAL AS APPROVED.

	C&P	F&M	GRINNELL
BEAM CLAMP	268	282	---
CLEVIS HANGER	100	239	260
180" SHIELD	265P	80	---
PIPE SADDLE	351	170 & 1700 SERIES	180 SERIES
- INSULATION PROTECTION: FOR ALL INSULATED PIPE, FURNISH CLEVIS HANGERS WITH WELDED SHIELDS AND EQUAL TO C&P INC., FIG. 100-SH.

INSULATING MATERIALS:

- INSULATION SHALL BE GLASS FIBER WITH A MAXIMUM K FACTOR OF 0.23 AT 75° F MEAN TEMPERATURE WITH FACTORY APPLIED ALL SERVICE VAPOR BARRIER JACKET. DENSITY SHALL BE NOT LESS THAN 3 LBS. PER CUBIC FOOT.

- INSULATION SHALL BE HEAVY DENSITY FIBERGLASS SECTIONAL PIPE INSULATION ASMADE BY OWENS-CORNING FIBERGLASS CORP. OR CSG'S "SNAP ON", OR MANVILLE "FLAME SAFE" FIBERGLASS INSULATION.
- FITTINGS AND VALVES: ZESTON 25/50 RATED - 20 MIL PVC COVERS OVER FIBERGLASS INSULATION.
- INSTALL INSULATION ON PIPE SYSTEM SUBSEQUENT TO TESTING AND ACCEPTANCE OF TESTS.

PIPE INSULATION TABLE					
SERVICE	INSULATION CONDUCTIVITY (BTU•IN.)/(H•FT²•°F)	MINIMAL PIPE/TUBE SIZE (INCHES)			
		<1	1 TO 1 1/2	1 1/2 TO <4	4 TO <8
DOMESTIC COLD WATER	0.21 — 0.27	0.5	0.5	1.0	1.0
DOMESTIC HOT WATER	0.21 — 0.28	1.0	1.0	1.5	1.5
DOMESTIC HOT WATER RETURN	0.21 — 0.28	1.0	1.0	1.5	1.5

ALL PIPING, FITTINGS, VALVES, ETC. SHALL BE INSULATED PER THIS TABLE.

CLEANOUTS:

- PROVIDE EASILY ACCESSIBLE CLEANOUTS WHERE INDICATED; AT BASE OF VERTICAL STACKS AT ENDS OF HORIZONTAL DRAINAGE LINES AND AT INTERVALS NOT EXCEEDING 50 FT., AT EACH CHANGE OF DIRECTION, ON HAND HOLES OF RUNNING TRAPS, AND WHERE INDICATED TO MAKE ENTIRE DRAINAGE SYSTEM ACCESSIBLE FOR RODDING. PROVIDE AT LEAST 18 INCH CLEARANCE TO PERMIT ACCESS TO CLEANOUT PLUGS.
- CLEANOUTS FOR CAST IRON PIPE SHALL CONSIST OF TAPPED EXTRA HEAVY CAST IRON FERRULE CAULKED INTO CAST IRON FITTINGS, AND EXTRA HEAVY BRASS SCREW PLUG WITH SOLID HEXAGONAL NUT.
- CLEANOUTS TURNING OUT THROUGH WALLS AND UP THROUGH FLOORS SHALL BE MADE BY LONG SWEEP ELLS OF "Y" AND $\frac{1}{2}$ BENDS WITH PLUGS AND FACE OR DECK PLATES TO CONFORM TO ARCHITECTURAL FINISH IN ROOM. WHERE NO DEFINITE FINISH IS INDICATED ON THE ARCHITECTURAL AND/OR MECHANICAL DRAWINGS, WALL PLATES SHALL BE CHROME PLATED CAST BRASS AND FLOOR PLATES SHALL BE NICKEL BRONZE. SCREWS IN CLEANOUTS IN FINISHED AREAS SHALL BE VANDAL PROOF.
- CLEANOUTS SHALL BE FULL SIZE AT THE PIPE UP TO AND INCLUDING 6 INCH PIPE.
- CLEANOUTS IN FINISHED AREAS SHALL BE ZURN Z-1420-3 OR Z-1420-7 WITH RECESS FOR TILE FLOORS.

PLUMBING FIXTURES:

- REFER TO ARCHITECTURAL DOCUMENTS FOR FIXTURE SPECIFICATIONS.
- PROVIDE ALL INCIDENTAL TRIM (ANGLE STOPS, TRAPS, SUPPORTS, SUPPLIES, NIPPLES, ETC.) AS REQUIRED FROM COMPLETE INSTALLATION OF FIXTURES SPECIFIED BY OTHERS. ALL INCIDENTALS SHALL BE CHROME PLATED. ESCUTCHEONS SHALL BE SET SCREW TYPE. TRAPS SHALL HAVE CLEANOUTS.

CONSTRUCTION METHODS:

- CONTRACTOR TO FOLLOW MANUFACTURER'S RECOMMENDATIONS AND BUILDING STANDARDS FOR PROPER MOUNTING OF ALL EQUIPMENT.
- ALL FLOOR MOUNTED EQUIPMENT TO BE MOUNTED WITH VIBRATION ISOLATORS IN AN APPROVED MANNER. PROVIDE ADDITIONAL FRAMING AS REQUIRED.
- SUPPORT ALL CEILING MOUNTED EQUIPMENT FROM BUILDING STRUCTURE AND/OR FRAMING IN AN APPROVED MANNER. WHERE OVERHEAD CONSTRUCTION DOES NOT PERMIT FASTENING OF SUPPORTS AND EQUIPMENT, PROVIDE ADDITIONAL STEEL FRAMING AND SUBMIT FOR APPROVAL.
- SEAL ALL WALL, FLOOR AND SLAB PENETRATIONS AS PER THE REQUIRED RATING OF SAME. TWO (2) HOURS FOR WALLS; AND THREE (3) HOURS AT STAIR ENCLOSURES, BEAMS AND FLOORS. COORDINATE WITH ARCHITECTURAL DRAWINGS.
- SEAL OPENING AROUND PIPES THROUGH PARTITIONS, WALLS, FLOORS AND SLABS (NOT IN SHAFTS) WITH MINERAL WOOL OR OTHER NONCOMBUSTIBLE MATERIALS AND FINISH AS DETERMINED BY ARCHITECT OR EXISTING BUILDING STANDARDS.
- PROVIDE ALL NECESSARY FLASHING AND COUNTER FLASHING TO MAINTAIN THE WATERPROOFING INTEGRITY OF THIS BUILDING AS REQUIRED BY THE INSTALLATION OR REMOVAL OF PIPES AND CONDUITS, PROVIDE SLEEVES FOR PIPING.
- CONTRACTOR TO COORDINATE EXACT LOCATION OF ALL EQUIPMENT WITH ARCHITECT, BUILDING OWNER AND OTHER TRADES.

DATE ISSUED

06-22-2026 ISSUED FOR
100%DD/50%CD REVIEW
07-20-2026 ISSUED FOR 90%CD
REVIEW
08-17-2026
ISSUED FOR GENERAL
CONSTRUCTION BID AS SINGLE
PRIME CONTRACT INCLUDING
ALL TRADES

SEAL



SENDLEWSKI ARCHITECTS, P.C.

ARCHITECTS - PLANNERS

216 PLUMMER AVENUE BIRMINGHAM, NY 11901 (631) 727-5552



3555 Veterans Memorial Highway, Suite M
Rancho Santa Fe, CA 92053
P: 631.981.3960 | F: 631.981.3971 | www.emtec-engineers.com

PROPOSED NEW FACILITY
ELLENVILLE FIRE DISTRICT
203 S. MAIN ST. NYS ROUTE 209
ELLENVILLE, NY 12428

PLUMBING
SPECIFICATIONS

PROJECT No. 2501
EMTEC-7611

CHECKED BY: MF/APS

DRAWING:

P=71

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EMTEC PROJECT NO. 7611 DRAWN BY: MF CHECKED BY: APS