

CONSULTANTS:

MARK	DATE	DESCRIPTION



JONATHAN R. MURATORE, P.E.
10/31/2027
NY PROFESSIONAL ENGINEER Lic. No. 096440
Exp. Date

IN ACCORDANCE WITH ARTICLE 145, SECTION 7209 OF THE NYS EDUCATION LAW,
ALL TITLES ON THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL, IS UNLAWFUL.

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
CRG	MPF/CRG	JRM	JRM

PROJECT No: TRFD 2302 DATE: FEBRUARY 2025 SCALE: AS SHOWN

CLIENT

**THIELS
ROSEVILLE FIRE
DISTRICT**

**NEW 26-100 FIRE
HEADQUARTERS**



**65 W RAMAPO ROAD
GARNERVILLE, NY 10923**

CONTRACT

**CONTRACT P
PLUMBING CONSTRUCTION**

STATUS

FINAL BID DOCUMENT

SHEET TITLE

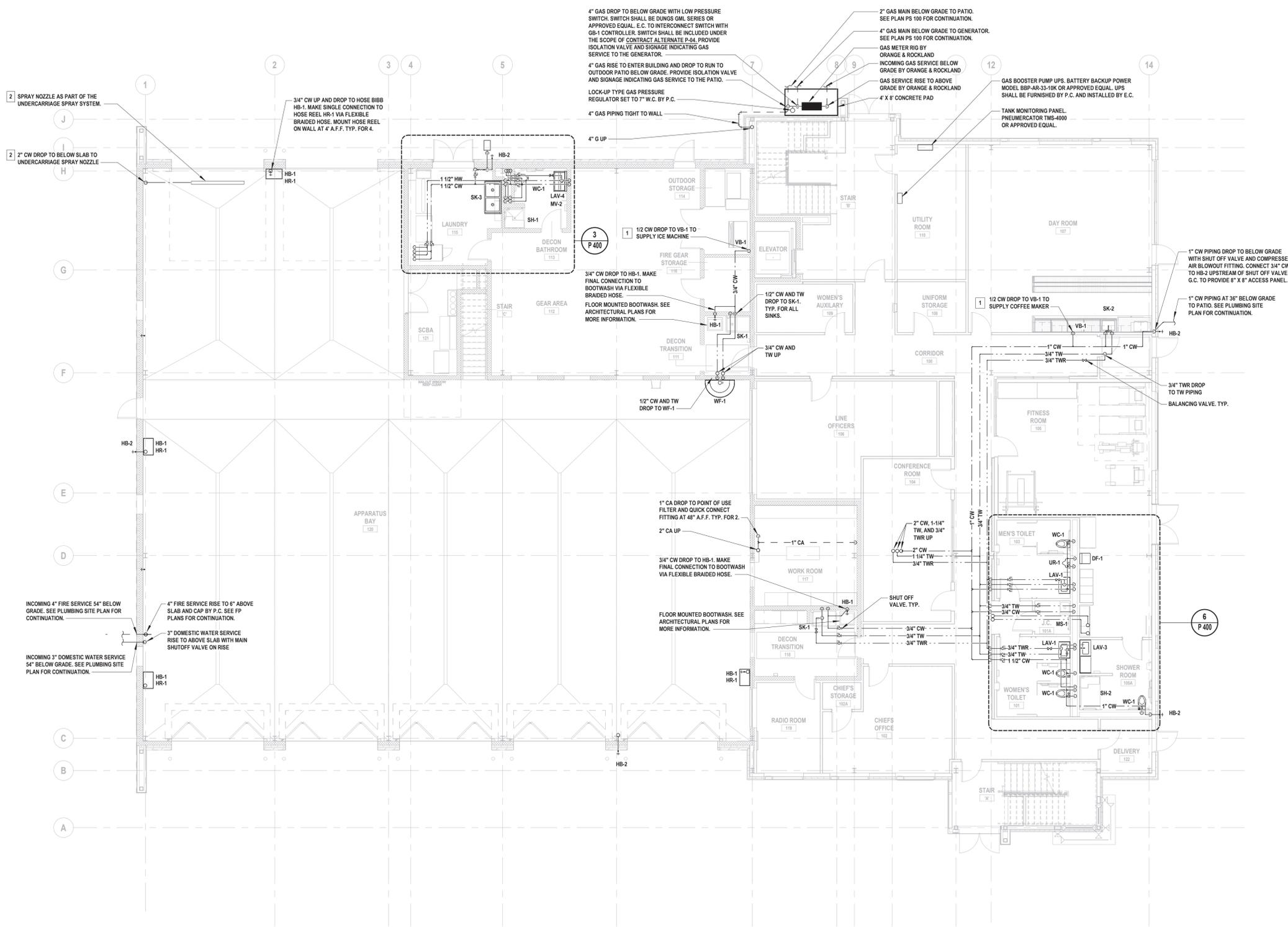
**DOMESTIC WATER, GAS, AND
COMPRESSED AIR FIRST FLOOR
PLAN**

DRAWING No.

P 120.00

KEYED PLUMBING NOTES

- 1 PROVIDE MANUFACTURER-RECOMMENDED POINT OF USE WATER FILTER, ASSE 1024 LISTED LEAD FREE DUAL CHECK VALVE, AND WATER HAMMER ARRESTOR ON CW DROP TO BEVERAGE DISPENSING EQUIPMENT.
- 2 UNDERCARRIAGE SPRAY SYSTEM SHALL INCLUDE SPRAY NOZZLE, 3 HP PUMP, AND 250 GALLON HOLDING TANK. SYSTEM SHALL BE MCHENRY MODEL WCU-35-0ME3 OR APPROVED EQUAL. SYSTEM AND ALL ASSOCIATED PIPING, VALVES, HOSE BIBBS, BACKFLOW PREVENTERS, MATERIALS, AND INSTALLATION COSTS SHALL BE INCLUDED UNDER THE SCOPE OF CONTRACT ALTERNATE P-01. SEE ARCHITECTURAL PLANS FOR MORE INFORMATION.



1 Domestic Water, Gas, and Compressed Air First Floor Plan
SCALE: 1/8" = 1'-0"

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THIELS ROSEVILLE FIRE DISTRICT

NEW 26-100 FIRE HEADQUARTERS



65 W RAMAPO ROAD
GARNERVILLE, NY 10923

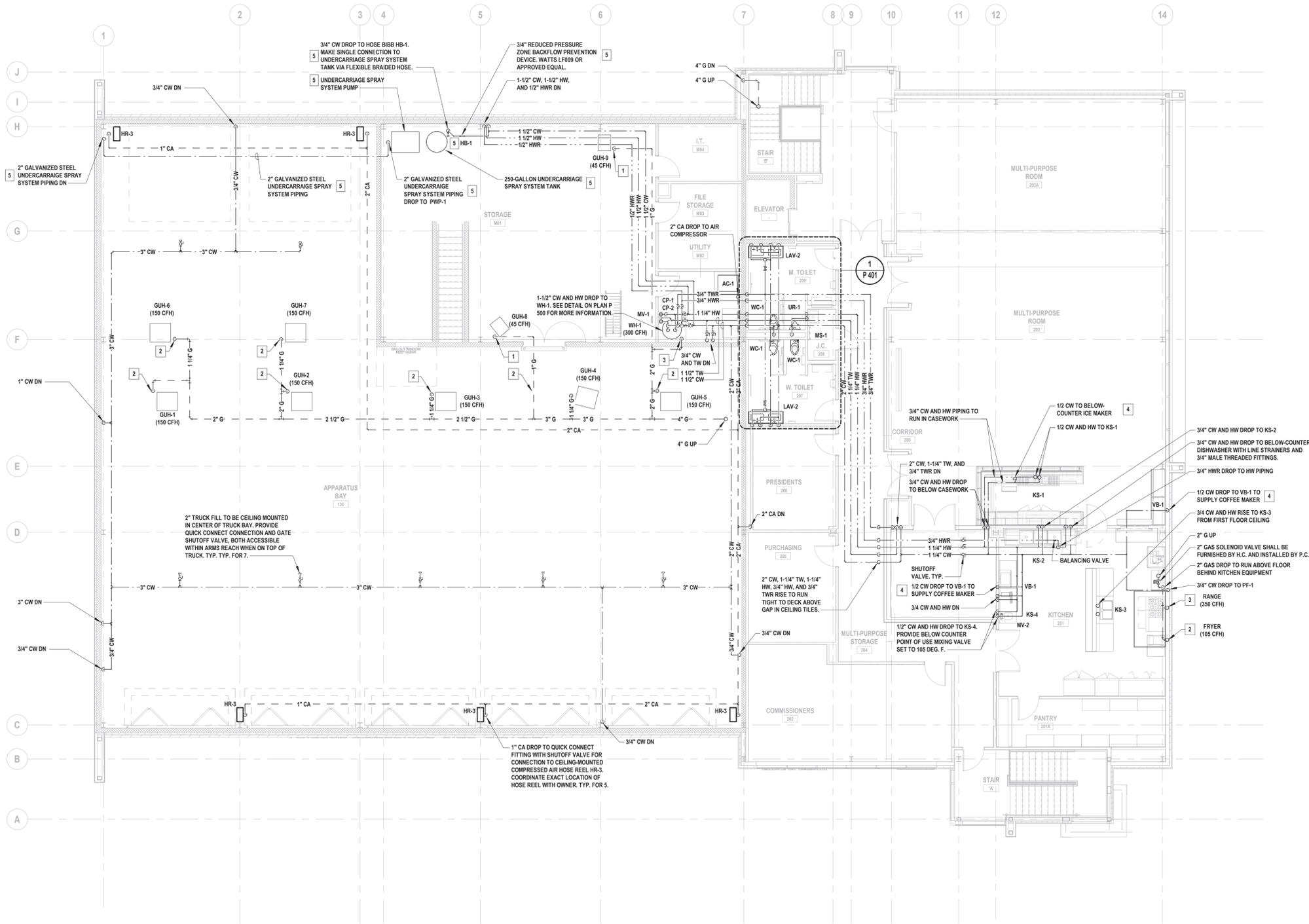
CONTRACT
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SHEET TITLE
**DOMESTIC WATER, GAS, AND
COMPRESSED AIR SECOND
FLOOR PLAN**

DRAWING No.
P 121.00

- X KEYED PLUMBING NOTES**
- 1" GAS PIPING TO GAS-FIRED EQUIPMENT. REDUCE PIPE SIZE AT CONNECTION POINT TO MATCH EQUIPMENT MANUFACTURER'S REQUIREMENTS. FOR TYPICAL GAS CONNECTION, SEE DETAIL ON SHEET P 500.
 - 1-1/4" GAS PIPING TO GAS-FIRED EQUIPMENT. REDUCE PIPE SIZE AT CONNECTION POINT TO MATCH EQUIPMENT MANUFACTURER'S REQUIREMENTS. FOR KITCHEN EQUIPMENT, P.C. TO MAKE FINAL CONNECTION WITH FLEXIBLE GAS PIPE. FOR TYPICAL GAS CONNECTION, SEE DETAIL ON SHEET P 500.
 - 2" GAS PIPING TO GAS-FIRED EQUIPMENT. REDUCE PIPE SIZE AT CONNECTION POINT TO MATCH EQUIPMENT MANUFACTURER'S REQUIREMENTS. FOR KITCHEN EQUIPMENT, P.C. TO MAKE FINAL CONNECTION WITH FLEXIBLE GAS PIPE. FOR TYPICAL GAS CONNECTION, SEE DETAIL ON SHEET P 500.
 - PROVIDE MANUFACTURER-RECOMMENDED POINT OF USE WATER FILTER, ASSE 1024 LISTED LEAD FREE DUAL CHECK VALVE, AND WATER HAMMER ARRESTOR ON CW DROP TO BEVERAGE DISPENSING EQUIPMENT.
 - UNDERCARRIAGE SPRAY SYSTEM SHALL INCLUDE SPRAY NOZZLE, 3 HP PUMP, AND 250 GALLON HOLDING TANK. SYSTEM SHALL BE MCHENRY MODEL WCU-35-IME3 OR APPROVED EQUAL SYSTEM AND ALL ASSOCIATED PIPING, VALVES, HOSE BIBBS, BACKFLOW PREVENTERS, MATERIALS, AND INSTALLATION COSTS SHALL BE INCLUDED UNDER THE SCOPE OF CONTRACT ALTERNATE P-01.



1 Domestic Water, Gas, and Compressed Air Second Floor Plan
SCALE: 1/8" = 1'-0"

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HEADQUARTERS**

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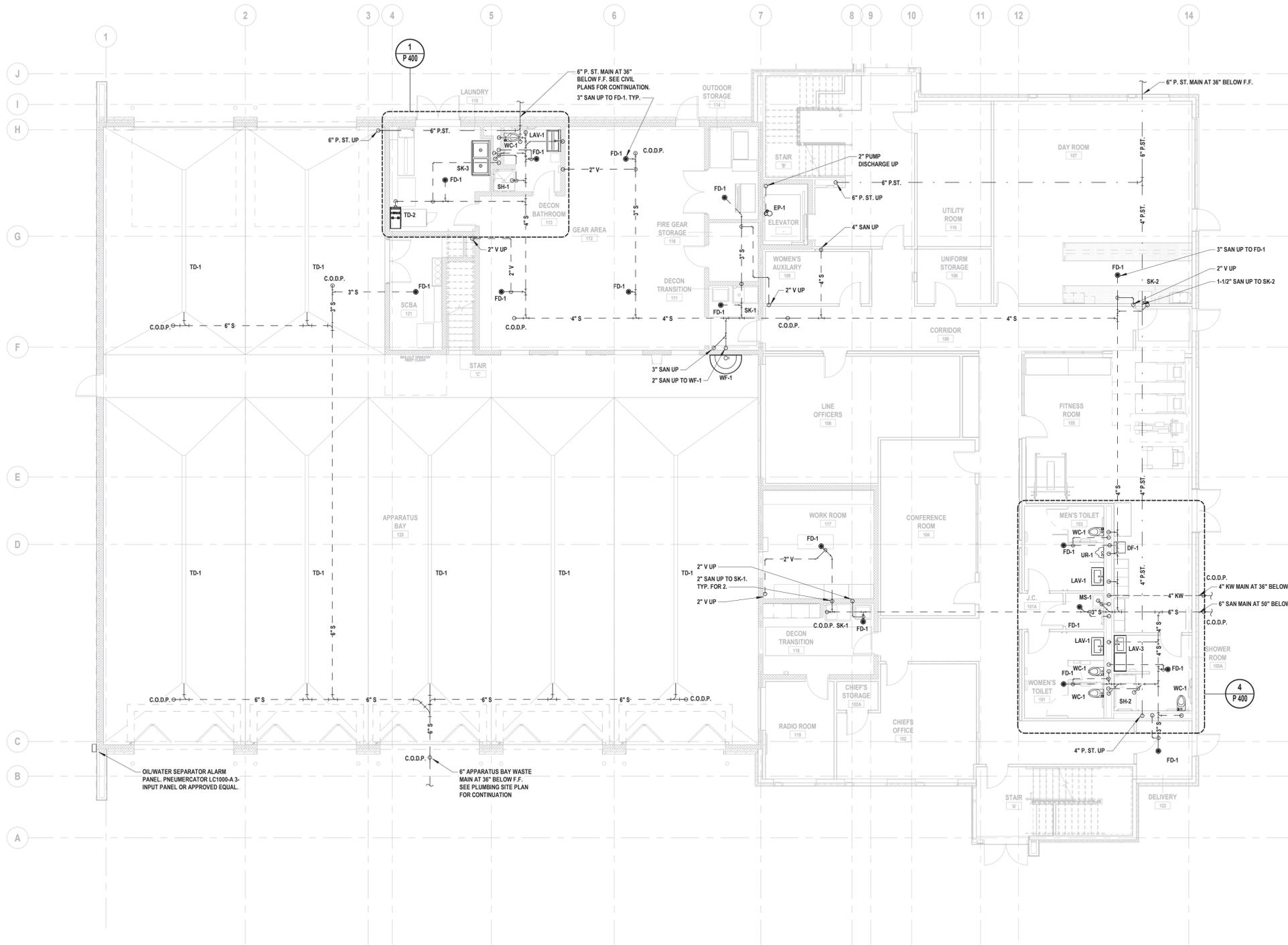
FINAL BID DOCUMENT

SHEET TITLE

**WASTE, VENT, AND STORM
UNDERSLAB PLAN**

DRAWING No.

P 130.00



1 Waste, Vent, and Storm Underslab Plan
SCALE: 1/8" = 1'-0"

- GENERAL NOTES:
- ALL PIPING BELOW SLAB FROM TRENCH DRAINS IN APPARATUS BAY SHALL BE DOUBLE-WALLED. PROVIDE LEAK DETECTION SENSOR AT LOW POINT OF SYSTEM. TIE LEAK SENSOR INTO OIL WATER SEPARATOR CONTROL PANEL.

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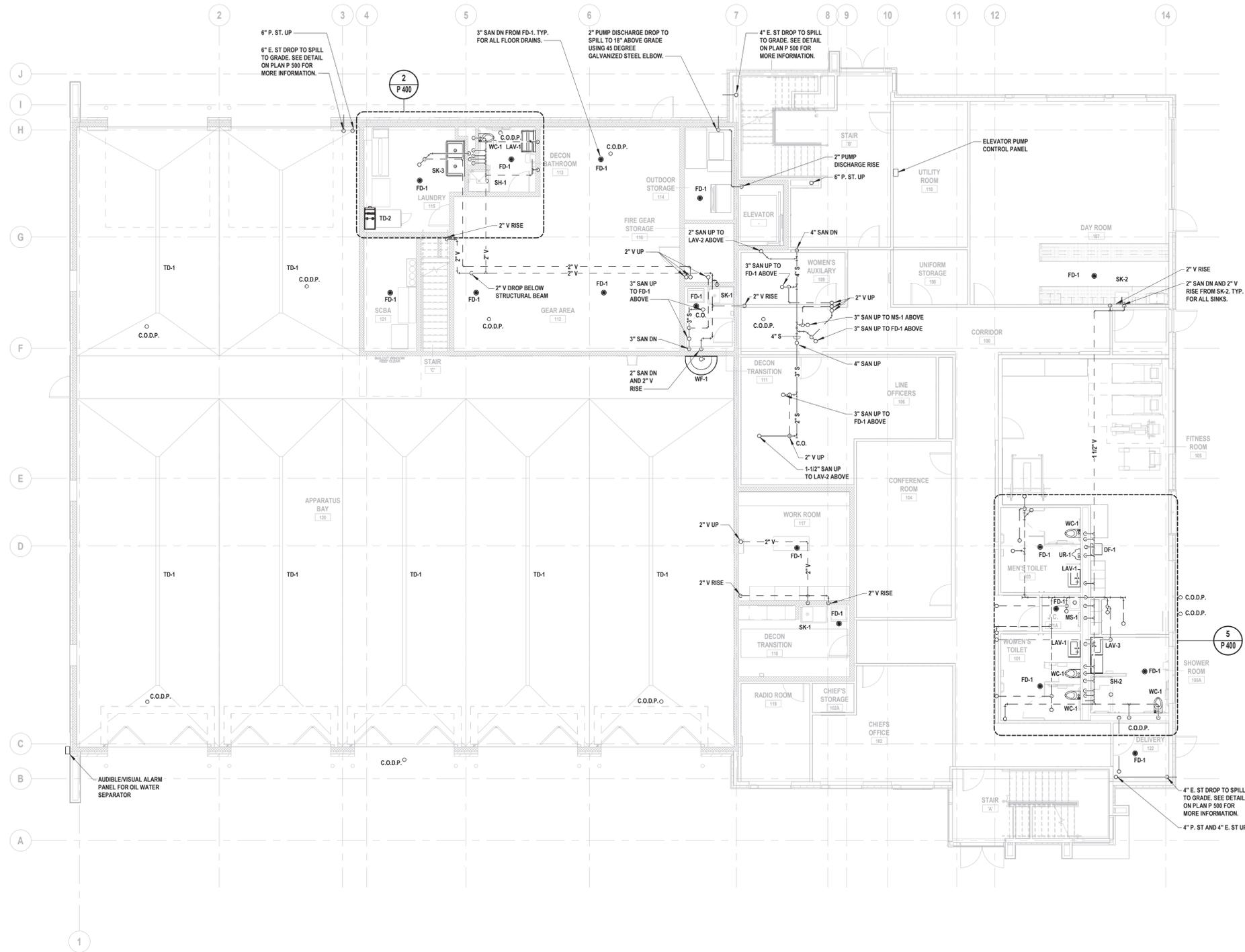
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SHEET TITLE

**WASTE, VENT, AND STORM FIRST
FLOOR PLAN**

DRAWING No.

P 131.00



1 Waste, Vent, and Storm First Floor Plan
SCALE: 1/8" = 1'-0"

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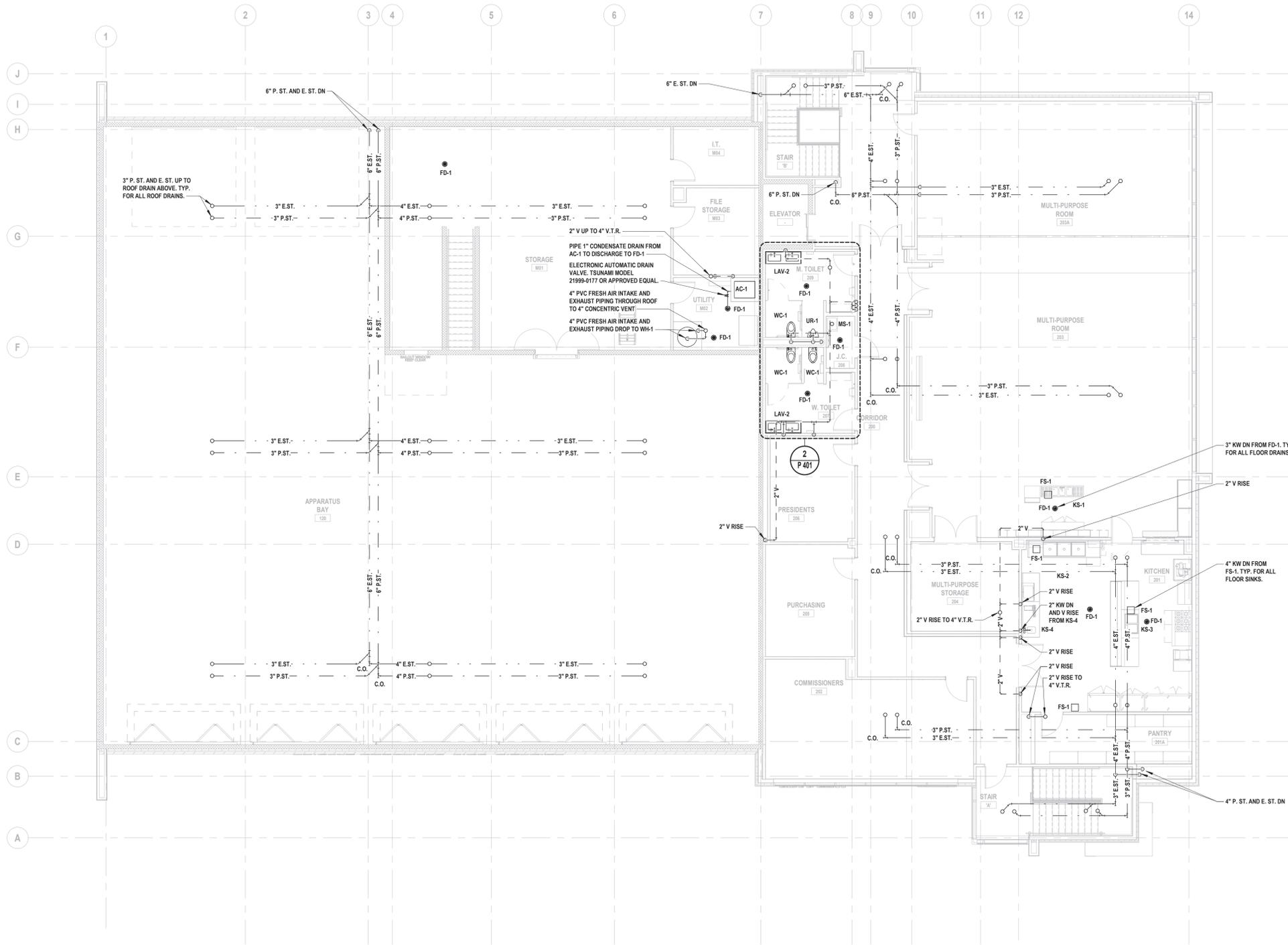
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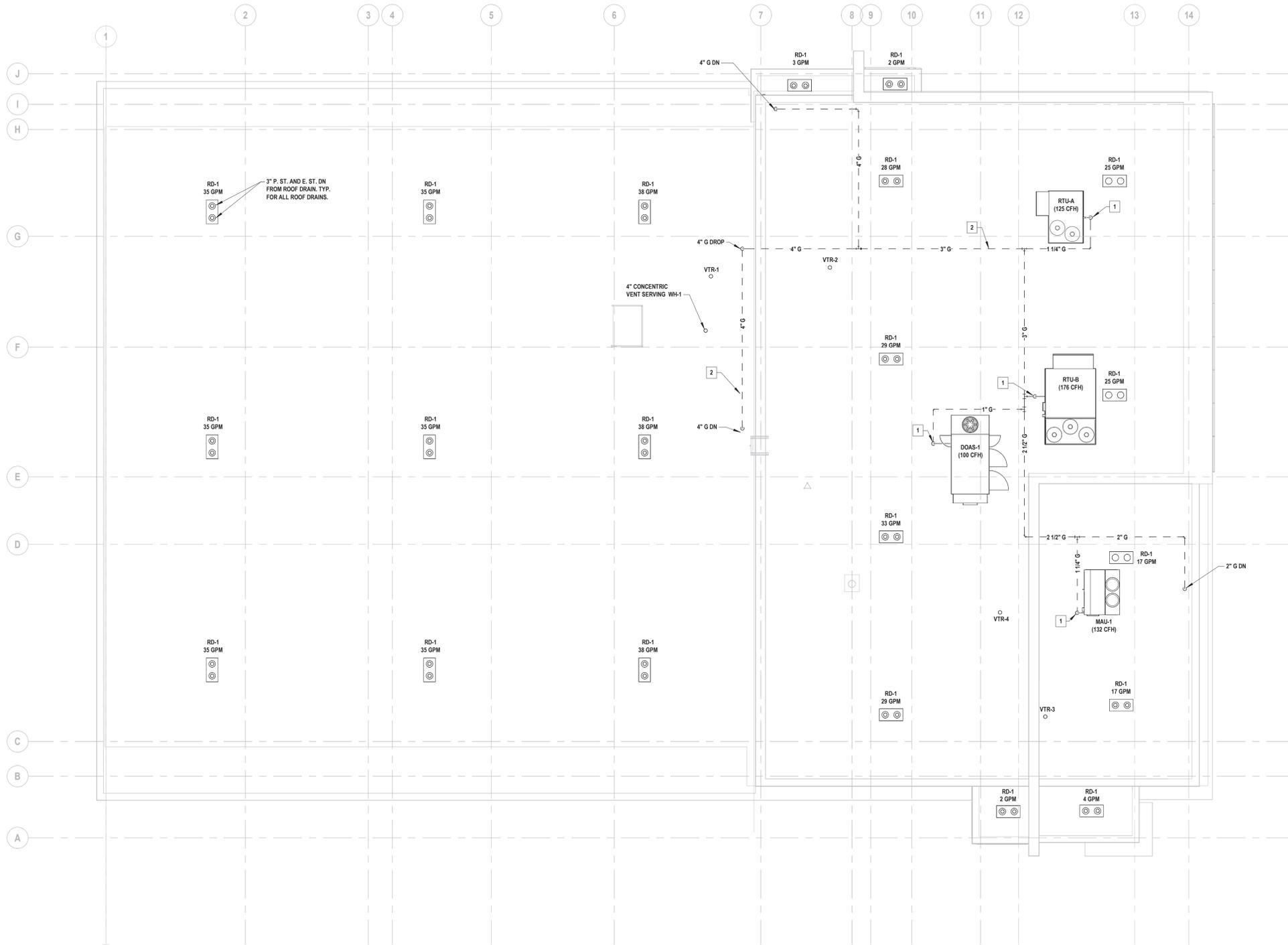
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FINAL BID DOCUMENT

SHEET TITLE
**WASTE, VENT, AND STORM
SECOND FLOOR PLAN**

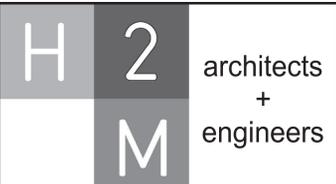
DRAWING No.
P 132.00



1 Waste, Vent, and Storm Second Floor Plan
SCALE: 1/8" = 1'-0"



- X KEYED PLUMBING NOTES**
- 1 1-1/4" GAS PIPING TO GAS-FIRED EQUIPMENT. REDUCE PIPE SIZE AT CONNECTION POINT TO MATCH EQUIPMENT MANUFACTURER'S REQUIREMENTS. FOR TYPICAL GAS CONNECTION, SEE DETAIL ON SHEET P 500.
 - 2 GAS PIPING SHALL BE SUPPORTED ON ROOF USING APPROVED PIPE SUPPORTS. SEE DETAIL ON SHEET P 500. TYPICAL FOR ALL NEW GAS PIPING ON ROOF.



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 Melville, NY 11747
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 NY Engineering Certificate of Authorization No.: 0018178

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SHEET TITLE

PLUMBING ROOF PLAN

DRAWING No.

P 140.00

1 Plumbing Roof Plan
 SCALE: 1/8" = 1'-0"

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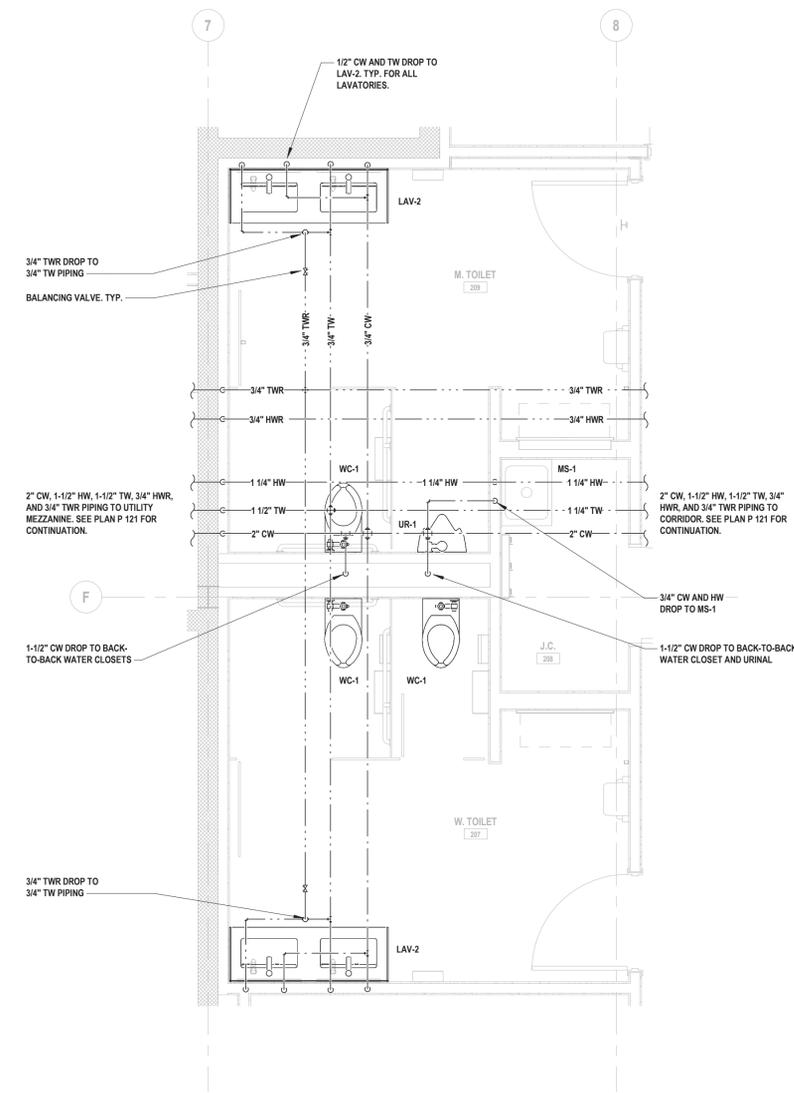
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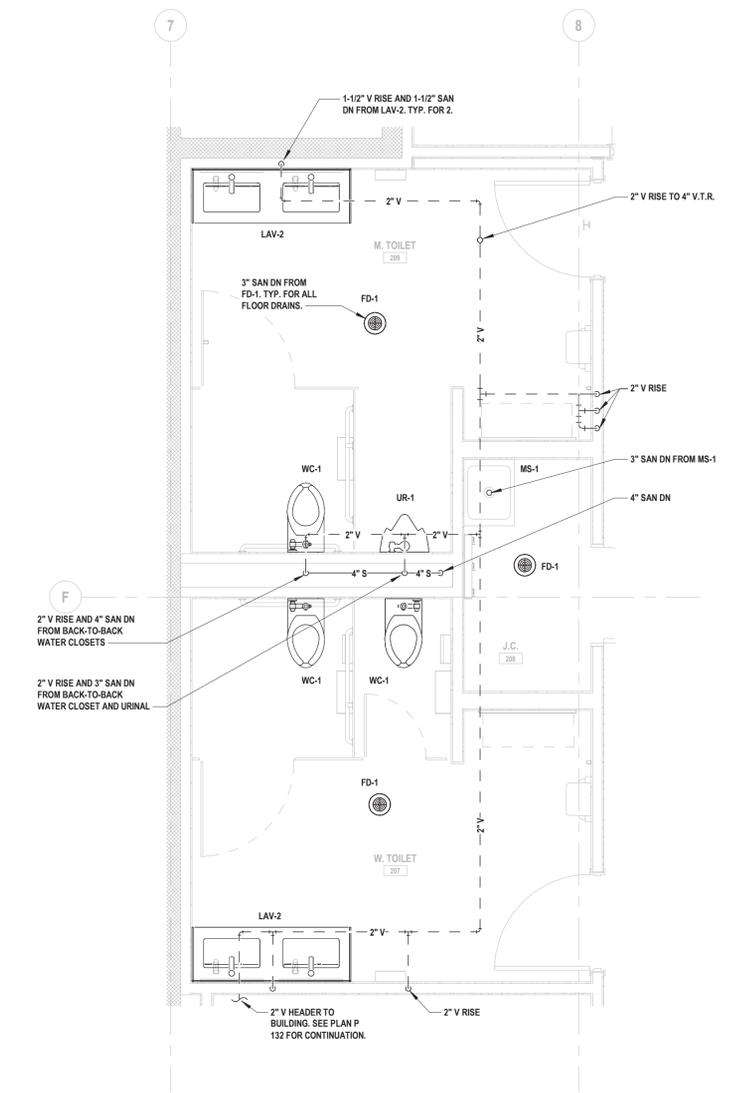
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SHEET TITLE
**PLUMBING ENLARGEMENT PLANS
(2 OF 2)**

DRAWING No.
P 401.00



1 Enlarged Second Floor Bathrooms Domestic Water Plan
 SCALE: 3/8" = 1'-0"



2 Enlarged Second Floor Bathrooms Sanitary and Vent Plan
 SCALE: 3/8" = 1'-0"

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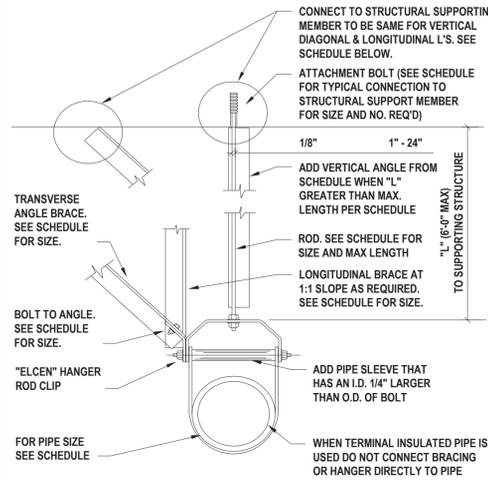
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SHEET TITLE
PLUMBING DETAILS (1 OF 2)

DRAWING No.
P 500.00

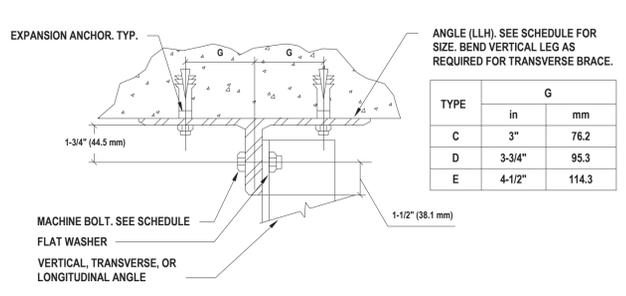


SCHEDULE FOR BRACING PIPES AND CONDUIT

PIPE SIZE (IN.)	MAXIMUM WEIGHT (LB/FT)	BRACE SPACING (FT)		VERTICAL HANGER ANGLES (IN.)	TRANSVERSE BRACE ANGLES (IN.)	LONGITUDINAL BRACE ANGLES (IN.)	BOLT SIZE (IN.)	CONNECTION TYPE TO STRUCTURAL MEMBER	ROD SIZE (IN.)	MAXIMUM LENGTH FOR RODS (IN.)
		TRANS. BRACING	LONG. BRACING							
2.5	7.9	40	80	L2 X 2 X 16GA	L3 X 3 X 16GA	L3 X 3 X 16GA	3/8	C	1/2	25
3	10.8	40	80	L2.5 X 2.5 X 16GA	L4 X 4 X 16GA	L4 X 4 X 16GA	3/8	C	1/2	25
4	16.3	40	80	L4 X 4 X 14GA	L4 X 4 X 14GA	L4 X 4 X 14GA	3/8	D	5/8	31.25
5	23.3	40	80	L4 X 4 X 14GA	L4 X 4 X 14GA	L4 X 4 X 14GA	1/2	D	3/4	37.5
6	31.5	40	40	L4 X 4 X 14GA	L3 X 3 X 12GA	L3 X 3 X 12GA	5/8	D	3/4	31.25
8	50.3	40	40	L4 X 4 X 14GA	L4 X 4 X 12GA	L4 X 4 X 12GA	3/4	D	7/8	43.75
10	74.7	20	20	L4 X 4 X 14GA	L3 X 3 X 12GA	L3 X 3 X 12GA	3/4	D	7/8	37.5

NOTES:
1. SEE DETAIL 2 ON CURRENT SHEET FOR STRUCTURAL MEMBER CONNECTION TYPES.
2. PROVIDE STANDARD CUT WASHERS BETWEEN ANGLE BRACES AND SECURING NUTS.

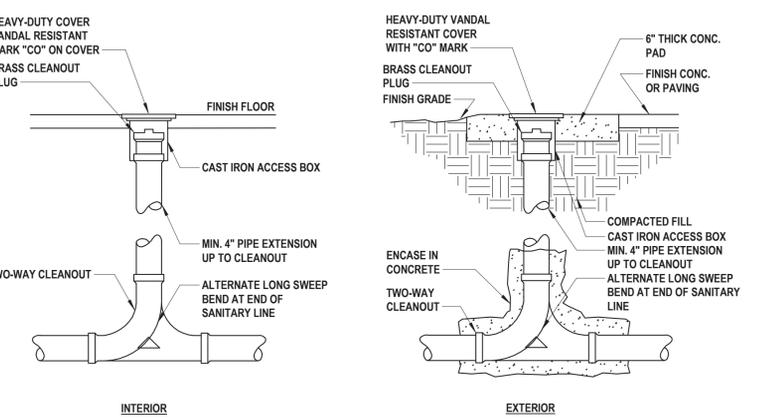
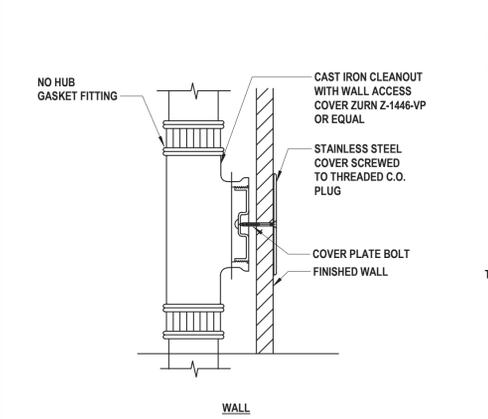
1 Pipe Hanger - Seismic
SCALE: N.T.S.



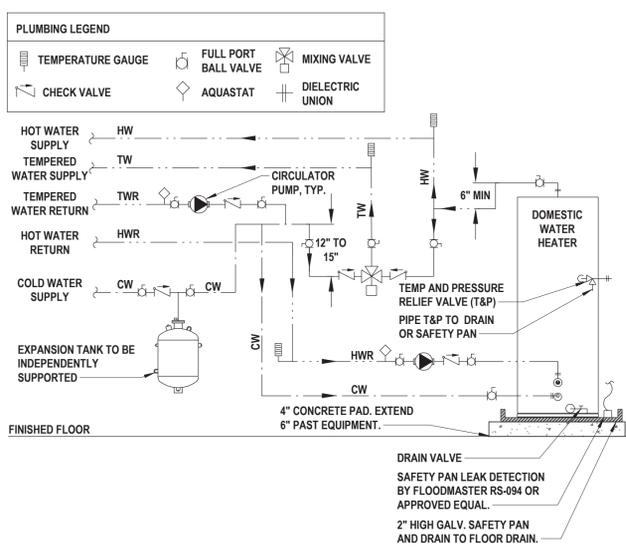
SCHEDULE FOR TYPICAL CONNECTIONS TO STRUCTURAL SUPPORTING MEMBERS

TYPE	MAXIMUM LOAD CAPACITY (LB)	EXPANSION ANCHORS TO CONCRETE (IN.)	MACHINE BOLT END OF BRACE (IN.)	SPREADER SIZE (IN.)	MACHINE BOLT AT WOOD (IN.)	HOLLOW CORE PLANK ROD (IN.)	ANGLE SUPPORTING STRUCTURAL MEMBER
C	1586	2-1/2	1/2	C5 X 6.7	3/4	3/8	2 - 4 X 3 X 3/8 X 0 FT, 4 IN. LLH
D	2020	2-5/8	1/2	C6 X 8.2	3/4	1/2	2 - 5 X 3 X 3/8 X 0 FT, 4 IN. LLH

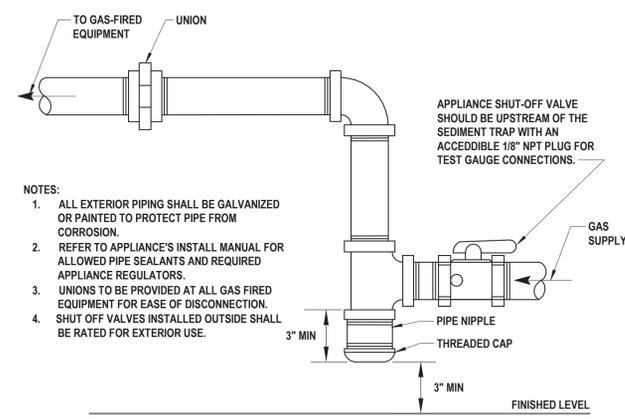
2 Pipe Hanger - Seismic Part 2
SCALE: N.T.S.



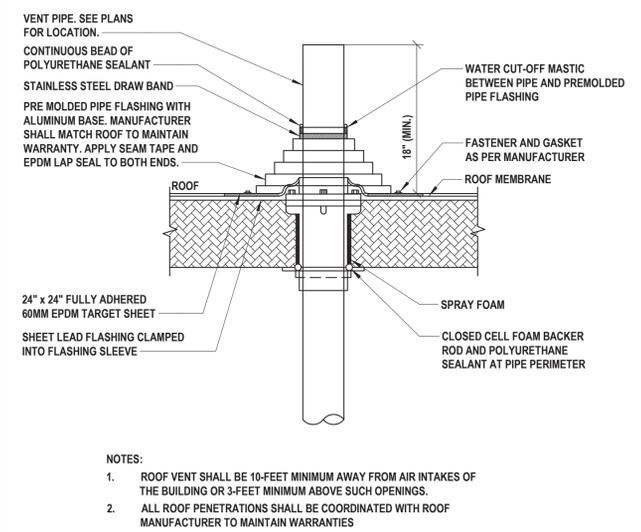
3 Cleanouts
SCALE: N.T.S.



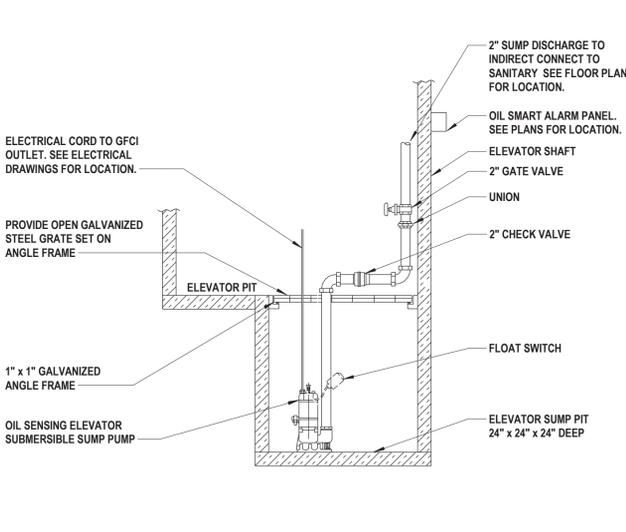
4 Tank Water Heater Piping Schematic
SCALE: N.T.S.



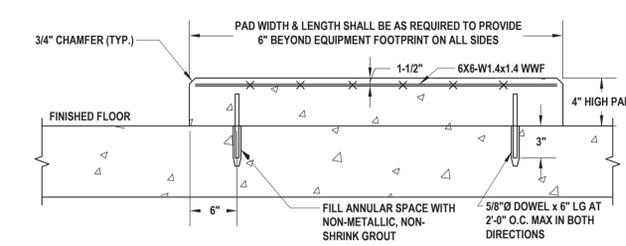
5 Gas Connection
SCALE: N.T.S.



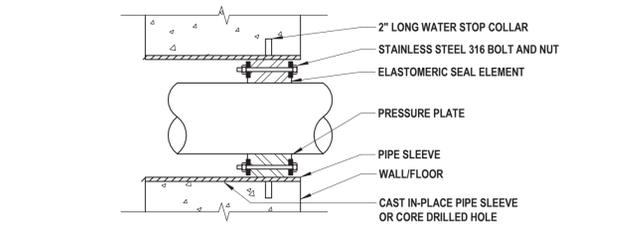
6 Vent Through Roof
SCALE: N.T.S.



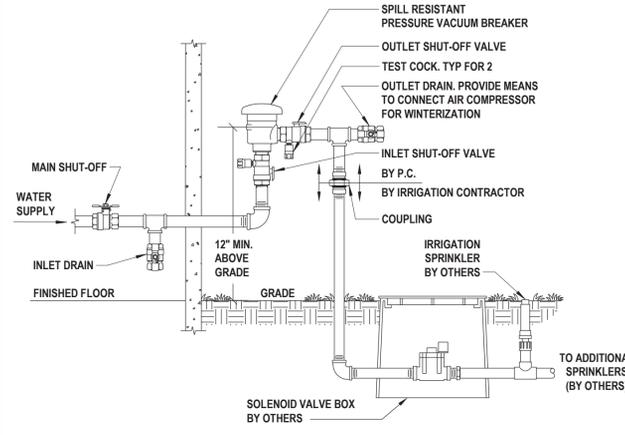
7 Elevator Sump Pump
SCALE: N.T.S.



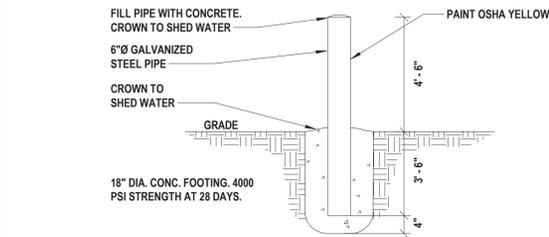
8 Equipment Pad
SCALE: N.T.S.



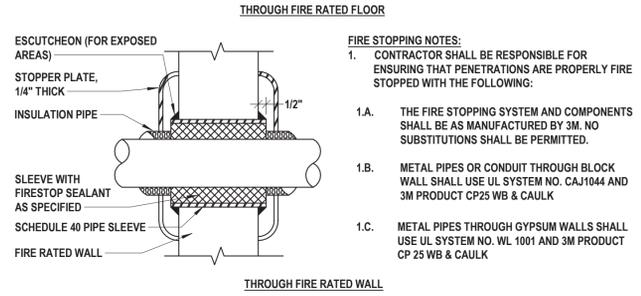
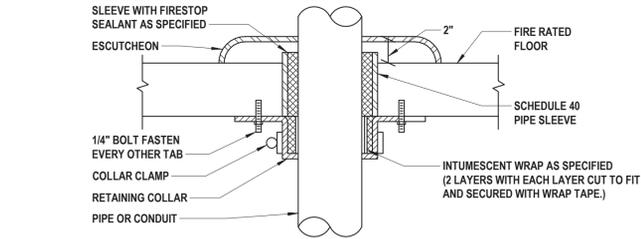
9 Link Seal Pipe Penetration
SCALE: N.T.S.



1 Lawn Irrigation Supply
SCALE: N.T.S.

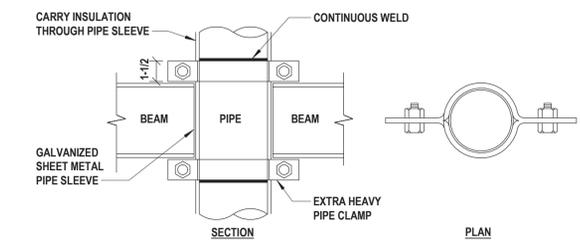


5 Bollard
SCALE: N.T.S.

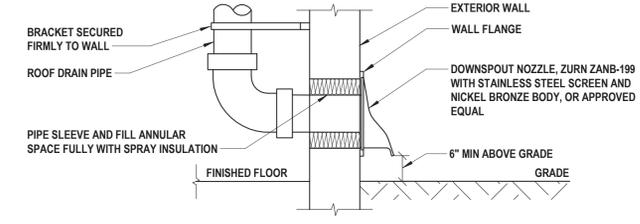


2 Pipe Penetration Through Rated Construction
SCALE: N.T.S.

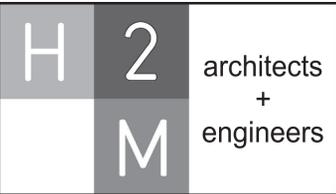
3 Roof Pipe Support
SCALE: N.T.S.



6 Typical Riser Anchor
SCALE: N.T.S.



4 Storm Overflow Drain Outlet
SCALE: N.T.S.



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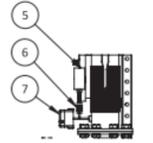
PLUMBING DETAILS (2 OF 2)

DRAWING No.

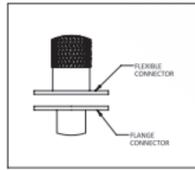
P 501.00

ITEM NO.	QTY	DESCRIPTION
1	1	BOOSTER
2	1	INLET ISOLATION VALVE 6"
3	1	INLET FLEXIBLE CONNECTOR 6"
4	1	PRESSURE GAUGE 0-15" W.C
5	1	PRESSURE GAUGE 0-30" W.C
6	2	1/4" GAUGE COCK
7	1	DISCH PRESSURE SWITCH (OPTIONAL)
8	1	OUTLET FLEXIBLE CONNECTOR 4"
9	1	OUTLET ISOLATION VALVE 4"
10	1	SIMPLEX CONTROL PANEL
11	1	EXPF ELECTRICAL JUNCTION BOX
12	1	ECLIPSE CHECK VALVE 1060FA 6"
13	1	LOW INLET GAS PRESSURE SWITCH
14	1	INLET FLANGED SPOOL
15	1	OUTLET FLANGED SPOOL
16	1	UNI-STRUT CONTROL PANEL SUPPORT FRAME
17	1	UNI-STRUT PIPING SUPPORT FRAME
18	1	UNI-STRUT BASE FRAME

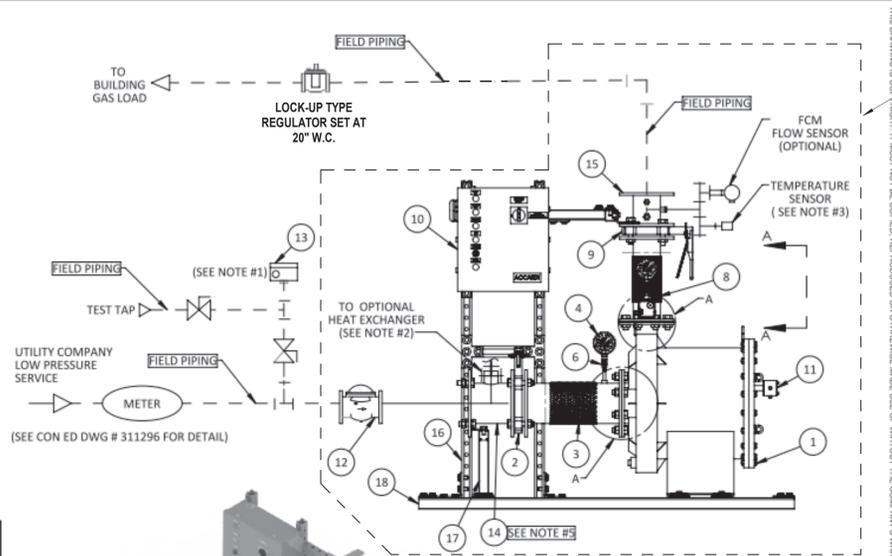
SEE NOTE #1
SEE NOTE #5



ELEVATION VIEW A-A



DETAIL A



ALL EQUIPMENT WITHIN DASHED BOUNDARY SHALL BE INSTALLED WITHIN PUMP ENCLOSURE

NOTES:

- (1) INLET LOW GAS PRESSURE SWITCH SHIPPED LOOSE FOR FIELD INSTALLATION BY OTHERS IN ACCORDANCE WITH CON EDISON SPECIFICATION G-2040-9
- (2) SEE DRAWING DB308 FOR CONNECTION DETAIL FOR THE OPTIONAL HEAT EXCHANGER MODULE
- (3) USED WITH HEAT EXCHANGER OPTION ONLY
- (4) FINAL DIMENSIONS MAY VARY DEPENDING ON COMPONENT SELECTION AND ORIENTATION
- (5) TEE CONNECTION FOR OPTIONAL HEAT EXCHANGER

ACCORDI COMPANIES
INNOVATIVE COMBUSTION SOLUTIONS

ALL DIMENSIONS ARE IN INCHES | DRAWN BY: --
PAGE: 1 OF 1 | DRAWN DATE: --
DRAWING TITLE: COMPAC HB SERIES PACKAGED HERMETICALLY HERMETICALLY SEALED GAS BOOSTER SYSTEM PIPING SCHEMATIC | REV: --
DRAWING NUMBER: HB 4617-1

MODEL: HB-4617-1

RATINGS/CAPACITIES:
23,000 CFH MAXIMUM
13" W.C. DIFFERENTIAL

ELECTRICAL: 115/1/60 208/3/60
 208/1/60 460/3/60

1 HP

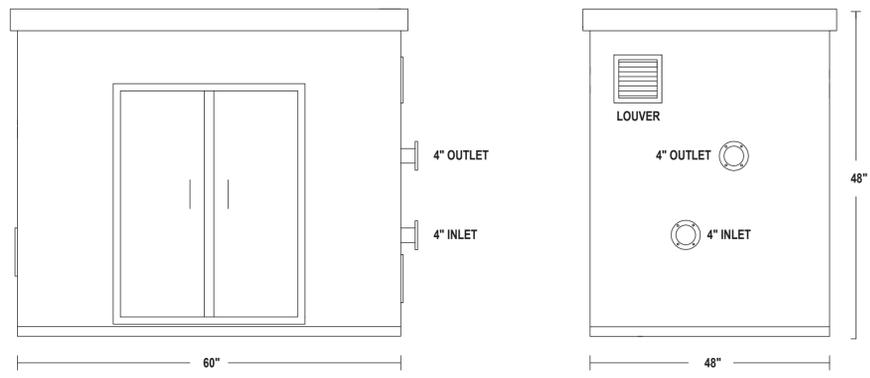
PANEL: NEMA 4
 NEMA 7

LOW PRESSURE SWITCH: NEMA 4
 NEMA 7

OPTIONS:
 INT (ON DEMAND CONTROL INTERLOCKS)
 HEX (RECIRCULATION HEAT EXCHANGER)
 VFD (VARIABLE SPEED CONTROL)
 FCM (AUTO FLOW CONTROL)
 PCM (AUTO FLOW CONTROL)
 REG (DISCHARGE PRESSURE REGULATION)
 GLD (GAS LEAK DETECTION)
 UPS (BATTERY BACK UP POWER SUPPLY)

1 Gas Booster Pump Basis of Design

- SCALE: N.T.S.
- NOTES:
- ABOVE REFERENCED PLAN IS THE BASIS OF DESIGN FOR THE GAS BOOSTER PUMP SYSTEM. CONTRACTOR SHALL PROVIDE ABOVE REFERENCED GAS BOOSTER SYSTEM BY ACCARDI COMPANIES OR APPROVED EQUAL.
 - GAS BOOSTER PUMP AND ASSOCIATED PIPING, FITTINGS, VALVES, SUPPORTS, ENCLOSURE, AND MATERIALS SHALL BE INCLUDED UNDER CONTRACT ALTERNATE P-04.



2 Gas Booster Pump Enclosure

- SCALE: N.T.S.
- NOTES:
- GAS BOOSTER PUMP ENCLOSURE SHALL BE PAINTED STEEL WITH LOCKABLE DOOR AND SIDE LOUVERS.
 - ENCLOSURE SHALL BE OF THE SAME MANUFACTURER AS THE GAS BOOSTER SYSTEM.
 - GAS BOOSTER PUMP ENCLOSURE SHALL BE INCLUDED UNDER THE SCOPE OF CONTRACT ALTERNATE P-04.

H 2 M architects + engineers

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Melville, NY 11747
631.756.8000 • www.h2m.com
NY Architecture & Landscape Architecture: No Certificate Required
NY Engineering Certificate of Authorization No.: 0018178

CONSULTANTS:

MARK	DATE	DESCRIPTION

STATE OF NEW YORK
JONATHAN RICHARD MURATORE
REGISTERED PROFESSIONAL ENGINEER
096440-1

10/31/2027
Exp. Date

JONATHAN R. MURATORE, P.E.
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IN ACCORDANCE WITH ARTICLE 146, SECTION 7209 OF THE NYS EDUCATION LAW,
ALL PRINTING OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS ILLEGAL.

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
CRG	MPF/CRG	JRM	JRM

PROJECT No: TRFD 2302 | DATE: FEBRUARY 2025 | SCALE: AS SHOWN

CLIENT

THIELLS ROSEVILLE FIRE DISTRICT

NEW 26-100 FIRE HEADQUARTERS

65 W RAMAPO ROAD
GARNERVILLE, NY 10923

CONTRACT

**CONTRACT P
PLUMBING CONSTRUCTION**

STATUS

FINAL BID DOCUMENT

SHEET TITLE

GAS BOOSTER PUMP DETAILS

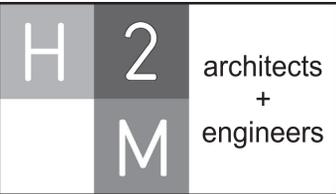
DRAWING No.

P 502.00

PLUMBING FIXTURE SCHEDULE

FIXTURE TAG	DESCRIPTION	MAKE	MODEL	BASIS OF DESIGN				MINIMUM CONNECTION SIZES					VENT	SPECIFICATION	REMARKS	
				MAKE	MODEL	OPERATION	MAX FLOW	COLD WATER SIZE	WATER WFU	HOT WATER SIZE	WATER WFU	DRAIN SIZE				DFU
LAV-1 (HC)	LAVATORY WASHSTATION - WALL MOUNT - ADA COMPLIANT - SINGLE BOWL	BRADLEY	LD-3010	BRADLEY	S53-3300	SENSOR	0.5 GPM	1/2"	0.5	1/2"	0.5	1-1/2"	1	1-1/2"	SINK: WALL MOUNTED WASHSTATION WITH DECK, INTEGRAL SINGLE BOWL, BACKSPASH, FRONT APRON, FAUCET, AND SOAP DISPENSER. BRADLEY OMNIDECK OR APPROVED EQUAL. DECK SHALL BE 30" L X 22" D AND SHALL HAVE A TERREON SOLID SURFACE WITH INTEGRAL RECTANGULAR BOWL. BOWL SHALL BE BRADLEY MODEL WB-TR1 UNDERMOUNT TYPE IN ALPINE WHITE FINISH OR APPROVED EQUAL. SOAP DISPENSER SHALL BE BRADLEY MODEL 6-3300 WITH AC POWER ADAPTER OR APPROVED EQUAL. PROVIDE 3" SIDE SPLASH ON "WALL SIDE" AND 3" SIDE APRON WITH GUSSET ON "OPEN SIDE" OF WASHSTATION AT ALL CORNER INSTALLATIONS. PROVIDE THE FOLLOWING ADDITIONAL OPTIONS AT EACH WASHSTATION: "EASE EDGE" EDGE STYLE, CENTER FAUCET HOLE WITH SOAP... FAUCET: DECK MOUNTED, ADA COMPLIANT, SENSOR ACTIVATION WITH 0.5 GPM AERATOR AND THERMOSTATIC MIXING ASSEMBLY. PROVIDE BRADLEY MODEL VA13-029 AC ADAPTER. COMPLIES WITH ASME A112.18.1 AND NSF 372.	PROVIDE BRASS ANGLE STOP VALVES WITH FLEXIBLE STAINLESS STEEL SUPPLIES, AND 1-1/2" BRASS P-TRAP. HOT WATER SHALL NOT EXCEED 105°F. PROVIDE DECK-MOUNTED SOAP DISPENSER WITH SENSOR ACTIVATION, TOP FILL, BRADLEY MODEL 6-3300 OR APPROVED EQUAL WITH BRADLEY MODEL A14-029 AC ADAPTER. INSULATE ALL EXPOSED DRAIN AND SUPPLY PIPING WITH TRUBRO LAVGUARD.
LAV-2 (HC)	LAVATORY WASHSTATION - WALL MOUNT - ADA COMPLIANT - DOUBLE BOWL	BRADLEY	LD-3010	BRADLEY	S53-3300	SENSOR	0.5 GPM	1/2"	0.5	1/2"	0.5	1-1/2"	1	1-1/2"	SINK: WALL MOUNTED WASHSTATION WITH DECK, INTEGRAL SINGLE BOWL, BACKSPASH, FRONT APRON, FAUCET, AND SOAP DISPENSER. BRADLEY OMNIDECK OR APPROVED EQUAL. DECK SHALL BE 30" L X 22" D AND SHALL HAVE A TERREON SOLID SURFACE WITH INTEGRAL RECTANGULAR BOWL. BOWL SHALL BE BRADLEY MODEL WB-TR1 UNDERMOUNT TYPE IN ALPINE WHITE FINISH OR APPROVED EQUAL. SOAP DISPENSER SHALL BE BRADLEY MODEL 6-3300 WITH AC POWER ADAPTER OR APPROVED EQUAL. PROVIDE 3" SIDE SPLASH ON "WALL SIDE" AND 3" SIDE APRON WITH GUSSET ON "OPEN SIDE" OF WASHSTATION AT ALL CORNER INSTALLATIONS. PROVIDE THE FOLLOWING ADDITIONAL OPTIONS AT EACH WASHSTATION: "EASE EDGE" EDGE STYLE, CENTER FAUCET HOLE WITH SOAP... FAUCET: DECK MOUNTED, ADA COMPLIANT, SENSOR ACTIVATION WITH 0.5 GPM AERATOR AND THERMOSTATIC MIXING ASSEMBLY. PROVIDE BRADLEY MODEL A13-029 AC ADAPTER. COMPLIES WITH ASME A112.18.1 AND NSF 372.	PROVIDE BRASS ANGLE STOP VALVES WITH FLEXIBLE STAINLESS STEEL SUPPLIES, AND 1-1/2" BRASS P-TRAP. HOT WATER SHALL NOT EXCEED 105°F. PROVIDE DECK-MOUNTED SOAP DISPENSER AT EACH FAUCET WITH SENSOR ACTIVATION, TOP FILL, BRADLEY MODEL 6-3300 OR APPROVED EQUAL WITH BRADLEY MODEL A14-029 AC ADAPTER. INSULATE ALL EXPOSED DRAIN AND SUPPLY PIPING WITH TRUBRO LAVGUARD.
LAV-3 (HC)	LAVATORY WASHSTATION - WALL MOUNT - ADA COMPLIANT - SINGLE BOWL - CUSTOM DECK	BRADLEY	LD-3010	BRADLEY	S53-3300	SENSOR	0.5 GPM	1/2"	0.5	1/2"	0.5	1-1/2"	1	1-1/2"	SINK: WALL MOUNTED WASHSTATION WITH DECK, INTEGRAL SINGLE BOWL, BACKSPASH, FRONT APRON, FAUCET, AND SOAP DISPENSER. BRADLEY OMNIDECK OR APPROVED EQUAL. DECK SHALL BE 30" L X 22" D AND SHALL HAVE A TERREON SOLID SURFACE WITH INTEGRAL RECTANGULAR BOWL. BOWL SHALL BE BRADLEY MODEL WB-TR1 UNDERMOUNT TYPE IN ALPINE WHITE FINISH OR APPROVED EQUAL. SOAP DISPENSER SHALL BE BRADLEY MODEL 6-3300 WITH AC POWER ADAPTER OR APPROVED EQUAL. PROVIDE 3" SIDE SPLASH ON "WALL SIDE" AND 3" SIDE APRON WITH GUSSET ON "OPEN SIDE" OF WASHSTATION AT ALL CORNER INSTALLATIONS. PROVIDE THE FOLLOWING ADDITIONAL OPTIONS AT EACH WASHSTATION: "EASE EDGE" EDGE STYLE, CENTER FAUCET HOLE WITH SOAP... FAUCET: DECK MOUNTED, ADA COMPLIANT, SENSOR ACTIVATION WITH 0.5 GPM AERATOR AND THERMOSTATIC MIXING ASSEMBLY. PROVIDE BRADLEY MODEL A13-029 AC ADAPTER. COMPLIES WITH ASME A112.18.1 AND NSF 372.	PROVIDE BRASS ANGLE STOP VALVES WITH FLEXIBLE STAINLESS STEEL SUPPLIES, AND 1-1/2" BRASS P-TRAP. HOT WATER SHALL NOT EXCEED 105°F. PROVIDE DECK-MOUNTED SOAP DISPENSER WITH SENSOR ACTIVATION, TOP FILL, BRADLEY MODEL 6-3300 OR APPROVED EQUAL WITH BRADLEY MODEL A14-029 AC ADAPTER. INSULATE ALL EXPOSED DRAIN AND SUPPLY PIPING WITH TRUBRO LAVGUARD.
LAV-4 (HC)	SURGICAL SCRUB SINK - WALL MOUNT - ADA COMPLIANT	WHITEHALL	4121ADA-MC-EFW-SWV	WHITEHALL	---	SENSOR	0.5 GPM	1/2"	0.5	1/2"	0.5	1-1/2"	1	1-1/2"	SINK: WALL MOUNTED SCRUB SINK WITH TYPE 304 STAINLESS STEEL CABINET, INTEGRAL SENSOR FAUCET WITH TEMPERATURE/PRESSURE BALANCING MIXING VALVE, 1-1/2" P TRAP WITH 3" FLAT STRAINER DRAIN, EYE/FACE WASH WITH EMERGENCY MIXING VALVE (WHITEHALL ET71-1 OR APPROVED EQUAL) AND SWIVEL NOZZLE ON GOOSENECK, AND REMOVABLE FRONT ACCESS PANEL ON CABINET. FAUCET: INTEGRAL TO SINK	PROVIDE BRASS ANGLE STOP VALVES WITH FLEXIBLE STAINLESS STEEL SUPPLIES, AND 1-1/2" BRASS P-TRAP. MAXIMUM WATER TEMPERATURE FROM FAUCET SHALL NOT EXCEED 105°F.
WC-1 (HC)	WATER CLOSET - WALL MOUNTED - ADA COMPLIANT - TOP SPUD	KOHLER	K-84325	AMERICAN STANDARD	606B.121	SENSOR	1.28 GPF	1"	10	---	---	3"	4	1-1/2"	TOILET: VITREOUS CHINA, 12-INCH ROUGH-IN, ADA COMPLIANT, ELONGATED BOWL, TOILET SEAT, WATER SENSE, SIPHON JET, COMPLIES WITH ASME A112.19.2. PROVIDE TOILET SEAT CHURCH 295CT OR APPROVED EQUAL. MINIMUM OF 25 PSI. FLUSH VALVE: FLUSH VALVE: EXPOSED SENSOR FLUSHOMETER, POLISHED CHROME, ADA COMPLIANT, VANDAL RESISTANT. COMPLIES WITH ASSE 1037. PROVIDE AMERICAN STANDARD MODEL PK00.HAC POWER KIT.	COORDINATE GRAB BAR HEIGHT WITH FLUSH VALVE.
UR-1 (HC)	URINAL - WALL MOUNTED - ADA COMPLIANT - TOP SPUD	KOHLER	K-4991-ET	AMERICAN STANDARD	606B.013	SENSOR	0.125 GPF	3/4"	5	---	---	3"	4	3/4"	URINAL: VITREOUS CHINA, ADA HEIGHT, WALL MOUNTED, ASME A112.19.2. FLUSH VALVE: EXPOSED SENSOR FLUSHOMETER, POLISHED CHROME, ADA COMPLIANT, VANDAL RESISTANT. COMPLIES WITH ASSE 1037. PROVIDE AMERICAN STANDARD MODEL PK00.HAC POWERKIT AND NO PIPE SEALANT ALLOWED.	PROVIDE CARRIER SUPPORT WATTS CA-311 OR APPROVED EQUAL.
DF-1 (HC)	DRINKING FOUNTAIN - WALL MOUNTED - ADA COMPLIANT	SLOAN	DRS110-FIL-REF-S	---	---	MANUAL / SENSOR	8 GPH	1/2"	0.25	---	---	1-1/4"	0.5	1-1/2"	SINGLE LIGHT GREY WATER COOLER. REQUIRES (1) ELECTRICAL RECEPTACLES. COMPLIES WITH ASME A112.19.3 AND NSF 61.	PROVIDE SERVICE STOP WITH ACCESS AND ADDITIONAL FILTER (SLOAN FC-3000)
MS-1	MOP SINK - FLOOR MOUNTED	ADVANCE TABCO	9-OP-40DF	ADVANCE TABCO	K-240	MANUAL	9.6 GPM	3/4"	2.25	3/4"	2.25	3"	2	1-1/2"	DROP-FRONT ONE-PIECE MOP SINK, STAINLESS STEEL 3" DRAIN BODY WITH STRAINER. BRASS CHROME PLATED SERVICE FAUCET WITH VACUUM BREAKER, INTEGRAL STOPS, ADJUSTABLE WALL SUPPORT BRACKET, PAUL HOOK AND 3/4" HOSE THREAD ON SPOUT. COMPLIES WITH ASME A112.18.2.	PROVIDE STAINLESS STEEL SIDE AND BACK SPLASHES (ADVANCE TABCO K-298), HOSE AND HOSE HANGER (ADVANCE TABCO K-244), AND 3" P-TRAP.
SK-1	SINK - STAINLESS - ONE COMPARTMENT - DRAINBOARD	ADVANCE TABCO	FC-1-1824-18R	ADVANCE TABCO	K-112	MANUAL	2.2 GPM	3/4"	2.25	3/4"	2.25	2"	2	2"	SINK: FREESTANDING, 16-GAUGE 304 STAINLESS STEEL SINK WITH DRAINBOARD, TILE EDGE BACKSPASH, ROLLED RIM EDGE. NSF CERTIFIED. FAUCET: BRASS CHROME PLATED BODY WITH CHROME PLATED HANDLES, 12" SWING SPOUT. COMPLIES WITH ASME A112.18.1M.	PROVIDE BRASS ANGLE STOP VALVES WITH FLEXIBLE STAINLESS STEEL SUPPLIES, AND 1-1/2" BRASS P-TRAP.
SK-2	SINK - UNDERMOUNT - SINGLE BOWL	KOHLER	K-3894	KOHLER	K-22973	MANUAL	1.5 GPM	3/4"	2.25	3/4"	2.25	2"	2	2"	SINK: UNDERMOUNT, 18-GAUGE STAINLESS STEEL SINK. BOWL SHALL HAVE DIMENSIONS OF 16" W X 22" L X 6" D. POLISHED SATIN FINISH. COMPLIES WITH ASME A112.19.3 AND ADA REQUIREMENTS. FAUCET: POLISHED CHROME WITH SINGLE LEVER HANDLE, HIGH ARCH SPOUT. COMPLIES WITH NSF 61 & 372, AND ASME A112.18.1	PROVIDE BRASS ANGLE STOP VALVES WITH FLEXIBLE STAINLESS STEEL SUPPLIES, AND 1-1/2" BRASS P-TRAP.
WF-1	WASH FOUNTAIN - ADA COMPLIANT - BACKSPASH - FOOT ACTIVATED	BRADLEY	WF2704	---	---	MANUAL	1.0 GPM	1/2"	2.25	1/2"	2.25	2"	2	1-1/2"	SEMI-CIRCULAR WASHFOUNTAIN, 14 GAUGE STAINLESS STEEL. OFF-LINE VENT WITH SUPPLIES FROM BELOW. STANDARD HEIGHT, FOOT ACTIVATION, THERMOSTATIC MIXING VALVE, METAL-CLAD LIQUID SOAP DISPENSER, STAINLESS STEEL BACKSPASH. COMPLIES WITH ASME A112.18.1.	PROVIDE 2" P TRAP.
SH-1	SHOWER BASE - 36" x 36" - ADA COMPLIANT - TRENCH DRAIN - SHOWER FAUCET	INPRO	FRONT TRENCH DRAIN SHOWER BASE	KOHLER	SEE REMARKS	MANUAL	2 GPM	1/2"	3	1/2"	3	2"	2	1-1/2"	PAN: TRANSFER SHOWER PAN, ACRYLIC, WITH INTEGRAL TRENCH DRAIN, ANSI Z124, ALCOVE TYPE, WITH NON SLIP BOTTOM, 1/4" THRESHOLD. SHOWER: TRIM PACKAGE: KOHLER K-TS35320-4, SHOWER KIT-K-76471-G, 1.75 GPM WATERSENSE SHOWER HEAD & HAND SHOWER, 60" RIBBON HOSE, FAUCET TRIM WITH LEVER HANDLE. ROUGH VALVE BODY-K-28304-KS, UNIVERSAL ROUGH VALVE BODY WITH DIVERTER VALVE ROUGH IN. ALL FAUCET PARTS TO COMPLY WITH ADA REGULATIONS, ASME A112.18.1, AND APPROVED EQUAL.	
SH-2	SHOWER BASE - 60" x 30" - ADA COMPLIANT - TRENCH DRAIN - SHOWER FAUCET	INPRO	FRONT TRENCH DRAIN SHOWER BASE	KOHLER	SEE REMARKS	MANUAL	2 GPM	1/2"	3	1/2"	3	2"	2	1-1/2"	PAN: TRANSFER SHOWER PAN, ACRYLIC, WITH INTEGRAL TRENCH DRAIN, ANSI Z124, ALCOVE TYPE, WITH NON SLIP BOTTOM, 1/4" THRESHOLD. SHOWER: TRIM PACKAGE: KOHLER K-TS35320-4, SHOWER KIT-K-76471-G, 1.75 GPM WATERSENSE SHOWER HEAD & HAND SHOWER, 60" RIBBON HOSE, FAUCET TRIM WITH LEVER HANDLE. ROUGH VALVE BODY-K-28304-KS, UNIVERSAL ROUGH VALVE BODY WITH DIVERTER VALVE ROUGH IN. ALL FAUCET PARTS TO COMPLY WITH ADA REGULATIONS, ASME A112.18.1, AND APPROVED EQUAL.	
VB-1	WATER SUPPLY VALVE BOX - DOUBLE	SIoux CHIEF	696-G2(R) SERIES (R) DENOTES FIRE RATING	---	---	MANUAL	---	1/2"	1	1/2"	1	2"	2	2"	LAUNDRY SUPPLY BOX WITH WATER HAMMER ARRESTOR. 1/2" CW AND HW SUPPLY CONNECTIONS WITH 1/4 TURN BALL VALVE. PROVIDE FIRE RATED ENCLOSURE WHEN INSTALLED IN FIRE RATED WALLS. 2" DRAIN OUTLET CONNECTION. DRAIN SHALL BE SECURED TO BOX.	PROVIDE 18" DEEP SEAL TRAP FOR SUDS ZONE.
VB-1	WATER SUPPLY VALVE BOX - SINGLE	SIoux CHIEF	696-G1(R) SERIES (R) DENOTES FIRE RATING	---	---	MANUAL	---	1/2"	0.25	---	---	---	---	---	ICE MAKER SUPPLY BOX WITH WATER HAMMER ARRESTOR. 1/2" CW SUPPLY CONNECTION WITH 1/4 TURN BALL VALVE. PROVIDE FIRE RATED ENCLOSURE WHEN INSTALLED IN FIRE RATED WALLS.	
HB-1	HOSE BIBB - INTERIOR WITH KEY	WOODFORD	24P-3/4	---	---	MANUAL	---	3/4"	---	---	---	---	---	---	WALL FAUCET WITH ASSE STANDARD 1011 APPROVED ANTI-SIPHON VACUUM BREAKER, 3/4" MALE HOSE THREAD OUTLET SPOUT, LOOSE TEE KEY HANDLE.	
HB-2	WALL HYDRANT - FROST FREE	WOODFORD	MB65	---	---	MANUAL	---	3/4"	---	---	---	---	---	---	FREEZELESS WALL HYDRANT WITH ASSE STANDARD 1011 APPROVED VACUUM BREAKER, 3/4" MALE HOSE THREAD OUTLET SPOUT, ALL BRASS, TEE KEY OPERATED.	
HR-1	HOSE REEL - WATER - WALL MOUNTED	HANNAY	1816-17-18	---	---	MANUAL	---	1	---	---	---	---	---	---	MANUAL REWIND HOSE REEL. UNIT TO HAVE 1" FEMALE NPT INLET CONNECTED TO 90 DEGREE BALL BEARING SWIVEL JOINT, 3/4" FEMALE NPT OUTLET, CAM-LOCK DRAG BRAKE, SPRING ACTUATED PIN LOCK, REEL TO HAVE CAPACITY TO STORE 50 FT OF 1-9/32" O.D. HOSE. HOSE TO BE RMA CLASS A BLACK NITRILE WITH SYNTHETIC YARN REINFORCEMENT AND RMA CLASS B RED NBR BLEND COVER. HOSE SHALL HAVE AN I.D. OF 3/4", A MAXIMUM O.D. OF 1-9/32", AND BE RATED TO 3...	FOR EACH REEL, PROVIDE 50' OF HOSE LENGTH WITH 3/4" MALE NPT FITTING AT EACH END, MAKE FINAL CONNECTION TO REEL INLET WITH FLEXIBLE CONNECTOR. PROVIDE ASSE 1022 COMPLIANT VACUUM BREAKER AT FINAL...
HR-2	HOSE REEL - AIR - CEILING MOUNTED	HANNAY	N716-19-20-10.5J	---	---	MANUAL	---	1	---	---	---	---	---	---	SPRING REWIND HOSE REEL. UNIT TO HAVE 1/2" FEMALE NPT INLET CONNECTED TO 90 DEGREE BALANCED PRESSURE SWIVEL JOINT, 1/2" FEMALE NPT OUTLET, DECLUTCHING ARBOR TO PREVENT DAMAGE FROM REVERSE WINDING, AND 4-WAY ROLLER ASSEMBLY. REEL TO HAVE CAPACITY TO STORE 50 FEET OF 3/4" O.D. HOSE. HOSE TO BE RMA CLASS A BLACK NITRILE WITH SYNTHETIC YARN REINFORCEMENT AND RMA CLASS B RED NBR BLEND COVER. HOSE SHALL HAVE AN I.D. OF 3/8", A MAXIMUM O.D. OF 3/4", AND BE RATED TO 300 PSI.	PROVIDE UNIT WITH "VR" ROLLER POSITION. FOR EACH REEL, PROVIDE 50' OF HOSE LENGTH WITH 1/2" MALE NPT FITTING AT INLET END, QUICK CONNECT FITTING AND HOSE STOP AT OUTLET END. MAKE FINAL CONNECTION TO REEL INLET WITH 1/2" FLEXIBLE STAINLESS STEEL CONNECTOR.
PF-1	POT FILL - WALL MOUNT	KROWNE	16-182L	---	---	MANUAL	---	1/2"	0.5	---	---	---	---	---	POT FILL: SOLID CHROME PLATED BRASS UNIT TO HAVE 1/2" MALE NPS INLET CONNECTED TO 24" SWING SPOUT. 1/4 TURN SINGLE CHROME PLATED LEVER HANDLE.	
FS-1	FLOOR SINK	ZURN	Z1900	---	---	---	---	---	---	---	---	---	2	2"	FLOOR SINK: WHITE ACID RESISTANT PORCELAIN ENAMEL COATED INTERIOR, LOOSE SET PORCELAIN ENAMEL COATED CAST 3/4 IRON GATE, POLYPROPYLENE DOME BOTTOM STRAINER, NO HUB OUTLET.	PROVIDE TRAP SEALS: ZURN Z1072. SEE PLANS FOR SIZES.
FD-1	FLOOR DRAIN (CONCRETE FLOORS)	ZURN	ZB415-BZ1-VP	---	---	---	---	---	---	---	---	---	2	2"	FLOOR DRAIN: DURA-COATED CAST IRON BODY. POLISHED BRONZE TOP AND VANDAL PROOF SECURED TOP.	PROVIDE TRAP SEALS: ZURN Z1072. SEE PLANS FOR SIZES.
TD-1	APPARATUS BAY TRENCH DRAIN	WATTS	ES-WD-DEADLEVE L-D	---	---	---	---	---	---	---	---	---	4"	2"	DRAIN TROUGH WITH LENGTHS SEGMENTED INTO INSIDE DIMENSIONS 48" L X 6" W WITH DEPTH AND CONFIGURATION AS SPECIFIED BY MANUFACTURER. DUCTILE IRON FRAME WITH UV-STABILIZED POLYPROPYLENE CHANNELS. INCLUDES FRAME CONNECTORS, GRATE LOCKDOWNS, AND CONSTRUCTION COVERS AND END-OUTLETS.	PROVIDE 4" PVC P-TRAP AND ADDITIONAL WIRE STRAINER BASKET, REMOVABLE FOR CLEANING, THAT PREVENTS PASSAGE OF SOLIDS 1/2" OR LARGER IN SIZE.
TD-2	WASHER-EXTRACTOR TROUGH DRAIN	STREIM	TT-4	---	---	---	---	---	---	---	---	---	4"	2"	DRAIN TROUGH WITH INSIDE DIMENSIONS 48" L X 18" W X 12" D. 3/4" POLYETHYLENE PROTECTIVE CASING WITH REMOVABLE, CORROSION-RESISTANT FILTER SCREEN AND SECONDARY FILTER BASKET. INCLUDES PLAIN END OUTLET.	PROVIDE 4" PVC P-TRAP AND ADDITIONAL WIRE STRAINER BASKET, REMOVABLE FOR CLEANING, THAT PREVENTS PASSAGE OF SOLIDS 1/2" OR LARGER IN SIZE.
RD-1	ROOF DRAIN - COMBINATION	ZURN	Z164-G-VP	---	---	---	---	---	---	---	---	---	---	---	12" DIAMETER COMBINATION ROOF DRAIN WITH 4-INCH DAM. DURA-COATED CAST IRON BODY AND DOME.	PROVIDE EXTENSION COLLARS AS REQUIRED TO ACCOMMODATE THICKNESS OF ROOF INSULATION. REFER TO ARCHITECTURAL PLANS FOR HEIGHTS. SEE PLANS FOR OUTLET SIZES.

NOTES:
 1. HC REPRESENTS HANDICAPPED PLUMBING FIXTURE. REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS FOR ACCESSIBLE FIXTURES.
 2. ALL ELECTRONICALLY OPERATED PLUMBING FIXTURES SHALL BE HARD WIRED.



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CONSULTANTS:

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JONATHAN R. MURATORE, P.E.
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 DESIGNED BY: CRG DRAWN BY: JWC CHECKED BY: JRM REVIEWED BY: JRM
 PROJECT No: TRFD 2302 DATE: FEBRUARY 2025 SCALE: AS SHOWN

THIELLS ROSEVILLE FIRE DISTRICT

NEW 26-100 FIRE HEADQUARTERS

**65 W RAMAPO ROAD
 GARNERVILLE, NY 10923**

CONTRACT
**CONTRACT P
 PLUMBING CONSTRUCTION**

STATUS
FINAL BID DOCUMENT

SHEET TITLE
PLUMBING SCHEDULES (1 OF 2)

DRAWING No.
P 600.00

KITCHEN PLUMBING FIXTURE SCHEDULE (FURNISHED BY OTHERS)															
FIXTURE TAG	DESCRIPTION	MAKE	MODEL	BASIS OF DESIGN				MINIMUM CONNECTION SIZES						REMARKS	
				MAKE	MODEL	TRIM/FAUCET OPERATION	MAX FLOW	COLD WATER SIZE	WFU	HOT WATER SIZE	WFU	DRAIN SIZE	DFU		VENT
SK-3	TWO COMPARTMENT SINK	---	---	---	---	---	1.5 GPM	3/4"	2.25	3/4"	2.25	2"	2"	2"	PROVIDE BRASS ANGLE STOP VALVES WITH FLEXIBLE STAINLESS STEEL SUPPLIES, AND 1-1/2" BRASS P-TRAP.
KS-1	THREE COMPARTMENT BAR SINK	KROWNE	KR19-63C	KROWNE	INCLUDED WITH SINK	MANUAL	2.2 GPM	3/4"	2.25	3/4"	2.25	2"	2"	2"	PROVIDE BRASS ANGLE STOP VALVES WITH FLEXIBLE STAINLESS STEEL SUPPLIES, PIPE TO DRAIN INDIRECTLY TO NEAREST FLOOR SINK.
KS-2	THREE COMPARTMENT DISHWASHING SINK	JOHN BOOS	3B18244-2D24	KROWNE	18-706L	MANUAL	1.15 GPM	3/4"	2.25	3/4"	2.25	2"	2"	2"	PROVIDE BRASS ANGLE STOP VALVES WITH FLEXIBLE STAINLESS STEEL SUPPLIES, PIPE TO DRAIN INDIRECTLY TO NEAREST FLOOR SINK.
KS-3	TWO COMPARTMENT DROP-IN FOOD PREP SINK	JOHN BOOS	PB-DISINK141610-2	T&S BRASS	B-0320	MANUAL	2.2 GPM	3/4"	2.25	3/4"	2.25	2"	2"	2"	PROVIDE BRASS ANGLE STOP VALVES WITH FLEXIBLE STAINLESS STEEL SUPPLIES, PIPE TO DRAIN INDIRECTLY TO NEAREST FLOOR SINK.
KS-4	HAND SINK - ADA COMPLIANT	JOHN BOOS	PBHS-ADA-P-STD	JOHN BOOS	INCLUDED WITH SINK	MANUAL	0.5 GPM	1/2"	0.5	1/2"	0.5	1-1/2"	1	1-1/2"	PROVIDE BRASS ANGLE STOP VALVES WITH FLEXIBLE STAINLESS STEEL SUPPLIES, AND 1-1/2" BRASS P-TRAP.

NOTES:
1. HC REPRESENTS HANDICAPPED PLUMBING FIXTURE. REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS FOR ACCESSIBLE FIXTURES.
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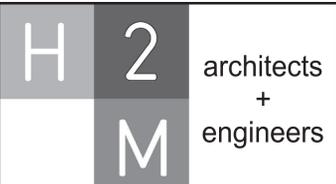
WATER HEATER SCHEDULE																		
EQUIPMENT NO.	LOCATION	TYPE	EQUIPMENT SPECIFICATIONS				BASIS OF DESIGN INFORMATION						EXPANSION TANK		REMARKS			
			STORAGE	MAKE	MODEL	DIMENSIONS Ø x H (IN.)	GAS FIRED WATER HEATER			RECOVER AT 100°F RISE	WATER CONNECTION	GAS CONNECTION	EFFICIENCY	MAKE		MODEL		
							GAS INPUT (BTU)	GAS PRESSURE (IN. W.C.)	GAS CONNECTION	FLUE SIZE								
WH-1	UTILITY	GAS-FIRED	119 GAL	A.O. SMITH	BTH-300MXI	33.1 x 75.8	300,000	5 - 14	1 1/2"	4"	332 GAL.	1 1/2"	1 1/2"	96%	AMTROL	ST-12	<p>NATURAL GAS WATER HEATER SHALL CONTAIN MODULATING, DOWN-FIRED POWER BURNER, POWERED, NON-SACRIFICIAL ANODES, SEAMLESS GLASS-LINED STEEL TANK, FOAM INSULATION, CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE, AND SHALL BE APPROVED FOR 0" CLEARANCE TO COMBUSTIBLES. CONTROL SHALL BE AN INTEGRATED SOLID-STATE TEMPERATURE AND IGNITION CONTROL DEVICE WITH INTEGRAL DIAGNOSTICS, GRAPHIC USER INTERFACE, FAULT HISTORY DISPLAY, AND SHALL HAVE DIGITAL TEMPERATURE READOUT. WATER HEATER SHALL COMPLY WITH ANSI Z21.10.3 - CSA 4.3, SHALL MEET THE U.S. DEPARTMENT OF ENERGY THERMAL EFFICIENCY AND STANDBY LOSS REQUIREMENTS AND CURRENT EDITION ASHRAE/IES 90.1, AND SHALL COMPLY WITH SCAQMD RULE 1146.2.</p>	PROVIDE CONCENTRIC VENT KIT, ALARM BELL, AND CONDENSATE NEUTRALIZATION KIT.

PUMP SCHEDULE													SPECIFICATIONS		REMARKS
EQUIPMENT NO.	LOCATION	TYPE	SERVICE	FLOW RATE	TDH	RPM	HP (EA)	PHASE	CYCLE	VOLTAGE					
CP-1	UTILITY	SIMPLEX	HOT WATER RECIRC	3 GPM	4 FT	3250	1/40	1	60 HZ	115 V			STAINLESS STEEL CASING, STAINLESS STEEL REPLACEABLE CARTRIDGE, DIRECT DRIVE, LOW POWER CONSUMPTION, SELF LUBRICATING WITH NO MECHANICAL SEAL, STAINLESS STEEL THREADED CONNECTIONS, PUMP TO BE NSF/ANSI 61 & 372 CERTIFIED	PROVIDE NSF APPROVED TACO PUMP MODEL 006 WITH TACO AQUASTAT MODEL 563-2	
CP-2	UTILITY	SIMPLEX	TEMPERED WATER RECIRC	3 GPM	8 FT	3250	1/25	1	60 HZ	115 V			STAINLESS STEEL CASING, STAINLESS STEEL REPLACEABLE CARTRIDGE, DIRECT DRIVE, LOW POWER CONSUMPTION, SELF LUBRICATING WITH NO MECHANICAL SEAL, STAINLESS STEEL THREADED CONNECTIONS, PUMP TO BE NSF/ANSI 61 & 372 CERTIFIED	PROVIDE NSF APPROVED TACO PUMP MODEL 007 WITH TACO AQUASTAT MODEL 563-2	
EP-1	ELEVATOR PIT	SIMPLEX SUBMERSIBLE	ELEVATOR PIT	50 GPM	50 FT	3450	.5	1	60 HZ	115 V			PROVIDE CAST IRON, POWDER COATED EPOXY FINISHED SUBMERSIBLE TYPE PUMP. MOTOR SHALL BE HERMETICALLY SEALED & OPERATE IN DIELECTRIC OIL. MOTOR SHALL HAVE INTERNAL AUTOMATIC RESETTING AND THERMAL OVERLOAD PROTECTION. IMPELLER SHALL BE BRONZE AND OF VORTEX NON-CLOG DESIGN. PUMP SWITCH SHALL BE INDUSTRIAL GRADE WITH 20 AMP RELAY AND 304 STAINLESS STEEL SENSOR PROBES TO DETECT WATER LEVEL AND THE PRESENCE OF OIL AND OR HYDROCARBONS, ALARM PANEL SHALL SOUND AUDIBLE AND VISUAL ALARM UPON DETECTION OF OIL OR HIGH WATER LEVEL CONDITIONS	PROVIDE ZOELLER PREPACKAGED SYSTEM, MODEL 940-0013, OIL SMART. PROVIDE 115V PIGGYBACK POWER PLUG AND CHECK VALVE ON PUMP DISCHARGE.	
GP-1	SEE SITE PLAN	SIMPLEX	NATURAL GAS	23,000 CFH	13" W.C.	-	1	3	60 HZ	208 V			SEE SPECIFICATION SECTION # 223302	PROVIDE EXTERIOR-RATED STEEL ENCLOSURE WITH LOCKABLE DOOR AND SIDE LOUVERS. SEE DETAIL ON PLAN P 502 FOR MORE INFORMATION.	

AIR COMPRESSOR SCHEDULE															
EQUIPMENT NO.	LOCATION	MANUFACTURER	MODEL	TYPE	SERVICE	TANK SIZE (GAL)	OUTPUT (CFM)	HP (EA)	PHASE	CYCLE	VOLTAGE	DIMENSIONS L x W x H (IN.)	WEIGHT (LBS)	SPECIFICATION	REMARKS
AC-1	UTILITY	QUINCY	QT-5	PISTON	COMPRESSED AIR	80	17	HP	3	60 HZ	200 V	35.0 x 28.0 x 77.0	680	RECIPROCATING PISTON AIR COMPRESSOR WITH SLOW SPEED OPEN DRIP PROOF MOTOR, 200 PSIG-RATED ASME/CRN RATED RECEIVER, ASME RATED RELIEF VALVES, TANK PRESSURE GAUGE, SERVICE VALVE, PRESSURE SWITCH, LOADLESS AUTO-STOP/START CONTROLS, AND UL LISTED AND CSA CERTIFIED ELECTRICAL COMPONENTS.	PROVIDE TSUNAMI 21999-0177 AUTOMATIC DRAIN VALVE FOR TANK DRAIN.

MIXING VALVE SCHEDULE												
EQUIPMENT NO.	LOCATION	BASIS OF DESIGN INFORMATION						SPECIFICATION				
		MAXIMUM PRESSURE RANGE	MINIMUM FLOW	INLET SIZE	OUTLET SIZE	TEMPERATURE SETPOINT	MANUFACTURER	MODEL	NOMINAL DIMENSIONS (W X H)			
MV-1	UTILITY MEZZANINE	125 PSI	0.5 GPM	1-1/4"	1-1/2"	120 DEG. F.	WATTS	LFSH1434	15-1/4" X 9-1/4"			LEAD FREE BRASS MIXING VALVE. MIXING VALVE SHALL HAVE AN APPROACH TEMPERATURE OF 5 DEG. F., AN OUTLET TEMPERATURE RANGE FROM 90 DEG. F TO 160 DEG. F, A LOCKABLE TEMPERATURE SETTING FEATURE, AND SHALL COME STANDARD WITH UNION CHECK STOPS. VALVE SHALL HAVE MINIMUM FLOW OF 0.5 GPM AND SHALL BE LISTED TO ASSE 1017 AND CSA B125.
MV-2	BELOW SINKS	125 PSI	0.5 GPM	1/2"	1/2"	105 DEG. F.	WATTS	LFMMV	4-7/8" X 5-7/16"			LEAD FREE BRASS MIXING VALVE. MIXING VALVE SHALL HAVE AN APPROACH TEMPERATURE OF 5 DEG. F., AN OUTLET TEMPERATURE RANGE FROM 80 DEG. F TO 120 DEG. F, A LOCKABLE TEMPERATURE SETTING FEATURE, AND SHALL COME STANDARD WITH UNION CHECK STOPS. VALVE SHALL HAVE MINIMUM FLOW OF 0.5 GPM AND SHALL BE LISTED TO ASSE 1017 AND CSA B125.70.

NOTE: ALL MIXING VALVES SHALL BE ASSE AND NSF COMPLIANT.



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CONSULTANTS:

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PROJECT No: TRFD 2302 DATE: FEBRUARY 2025 SCALE: AS SHOWN

THIELLS
ROSEVILLE FIRE DISTRICT

NEW 26-100 FIRE HEADQUARTERS

65 W RAMAPO ROAD
GARNERVILLE, NY 10923

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NEW 26-100 FIRE HEADQUARTERS

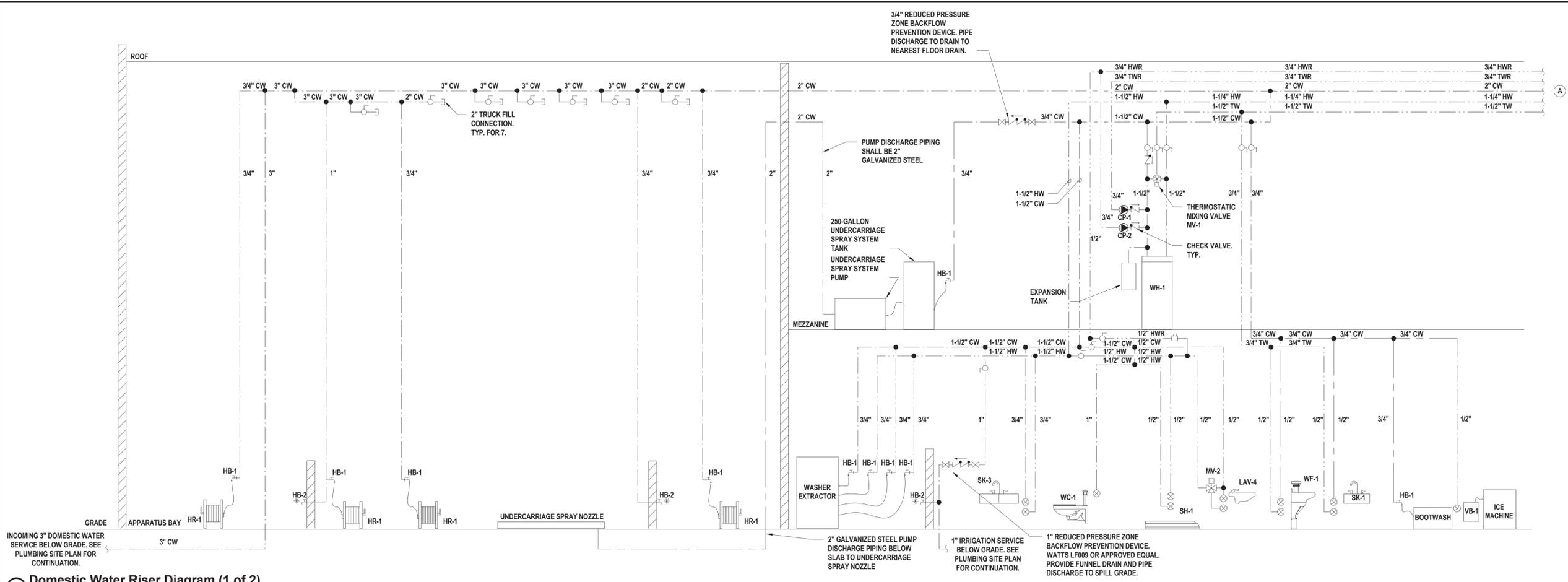
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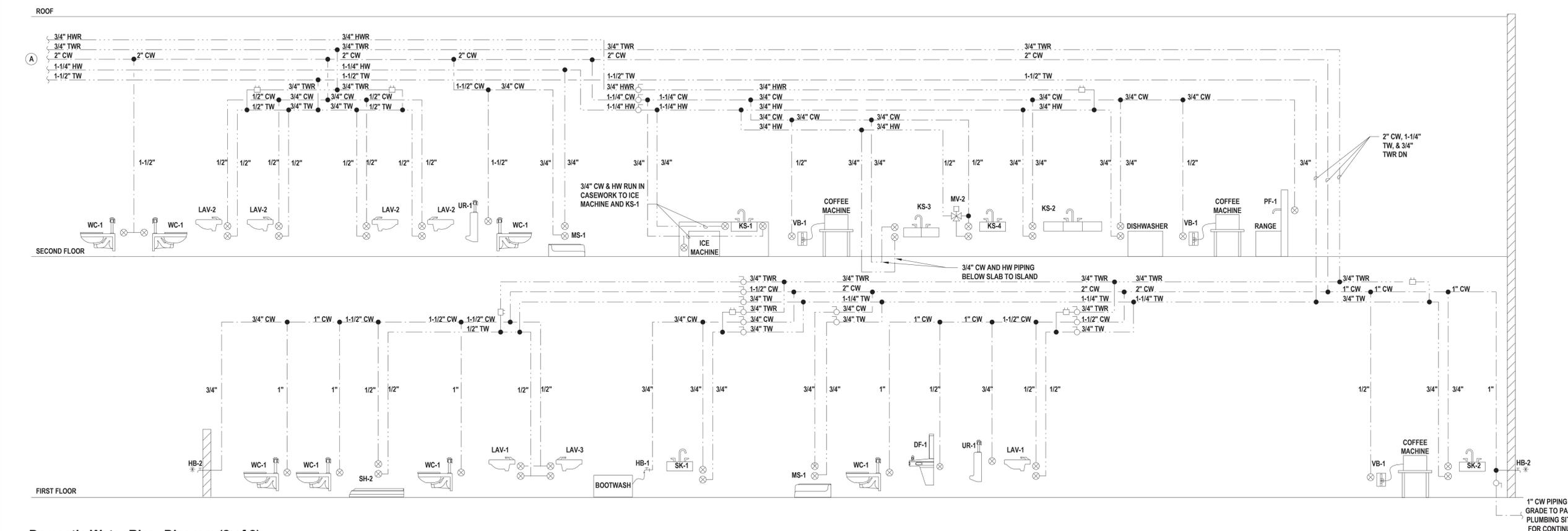
STATUS
FINAL BID DOCUMENT

SHEET TITLE
DOMESTIC RISER DIAGRAM

DRAWING No.
P 610.00



1 Domestic Water Riser Diagram (1 of 2)
 SCALE: T.S.



2 Domestic Water Riser Diagram (2 of 2)
 SCALE: T.S.

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NEW 26-100 FIRE HEADQUARTERS

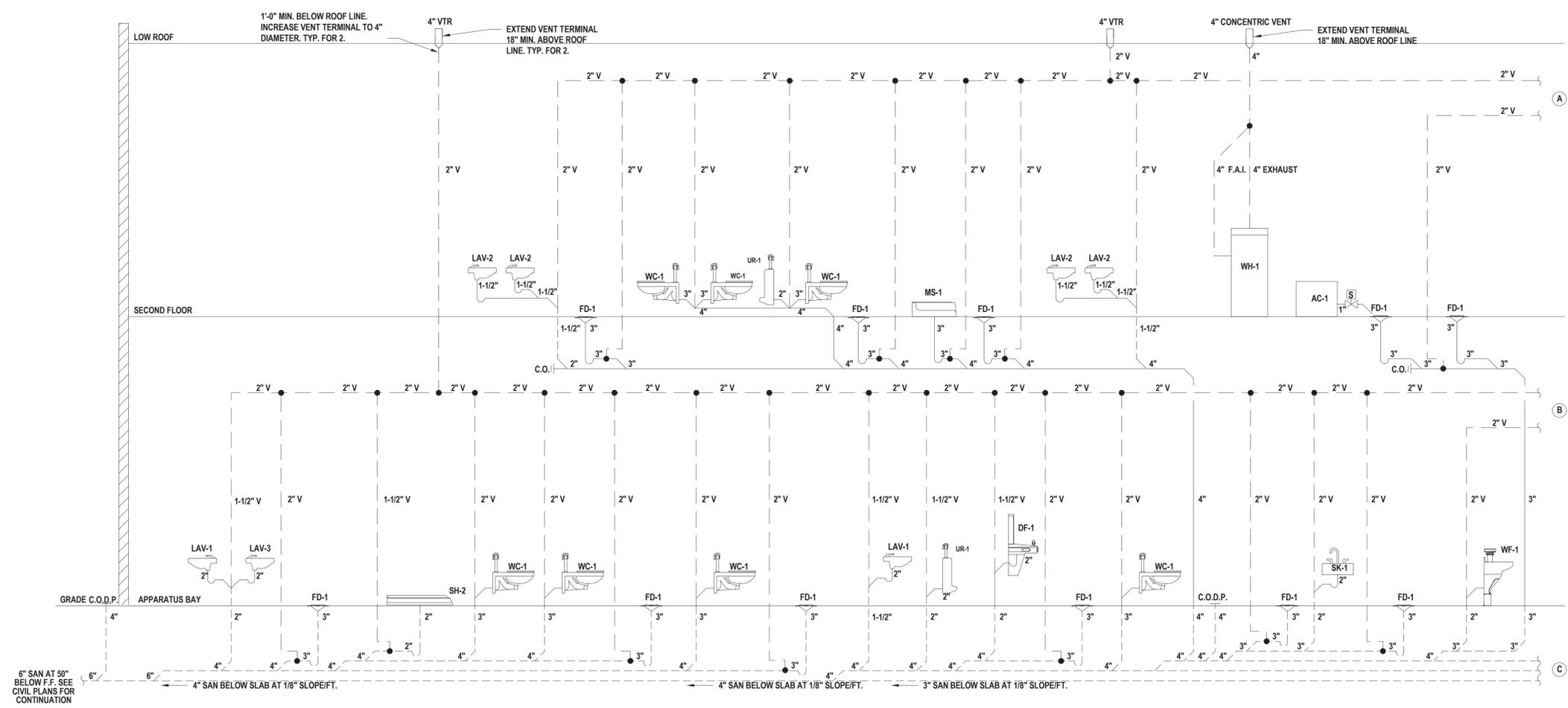
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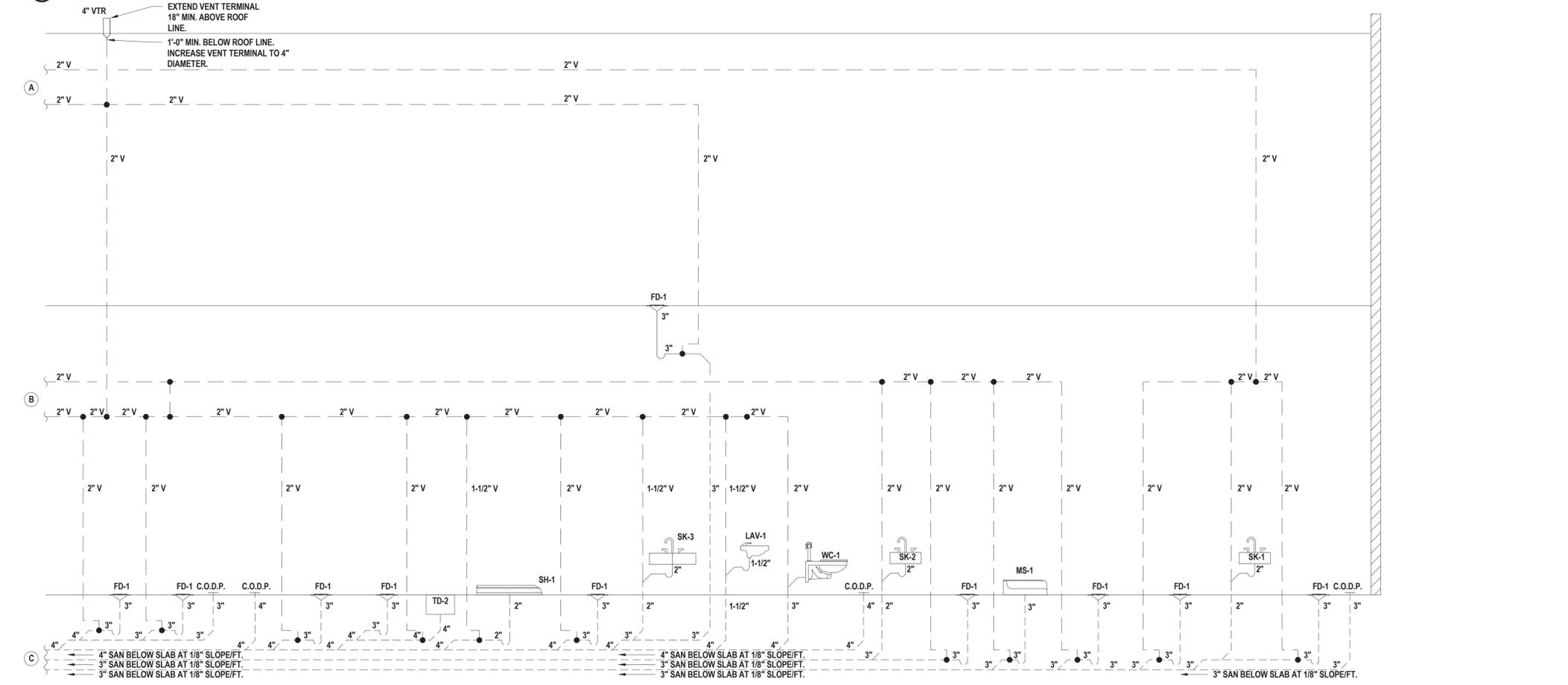
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SHEET TITLE
**SANITARY, VENT, AND STORM
RISER DIAGRAMS (1 OF 2)**

DRAWING No.
P 611.00



1 Sanitary and Vent Riser Diagram - Admin Space (1 of 2)



2 Sanitary and Vent Riser Diagram - Admin Space (2 of 2)

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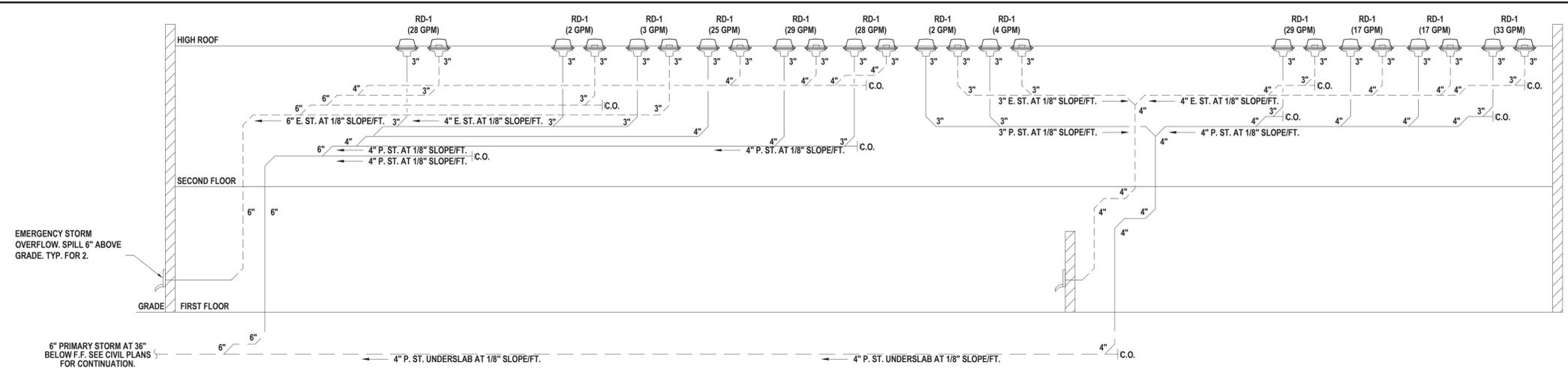
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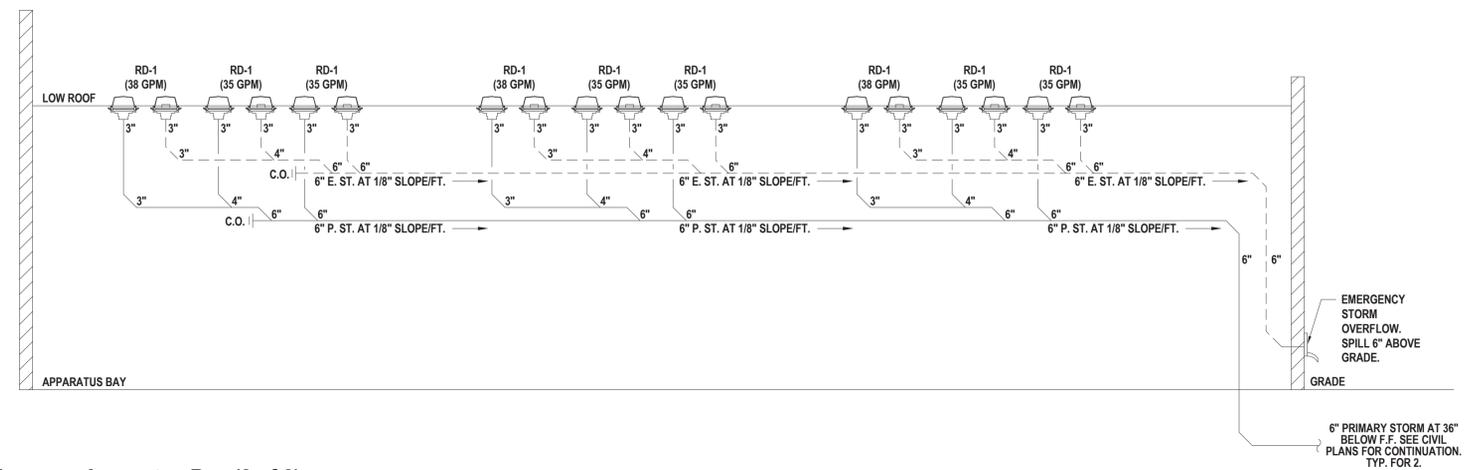
**SANITARY, VENT, AND STORM
RISER DIAGRAMS (2 OF 2)**

DRAWING No.

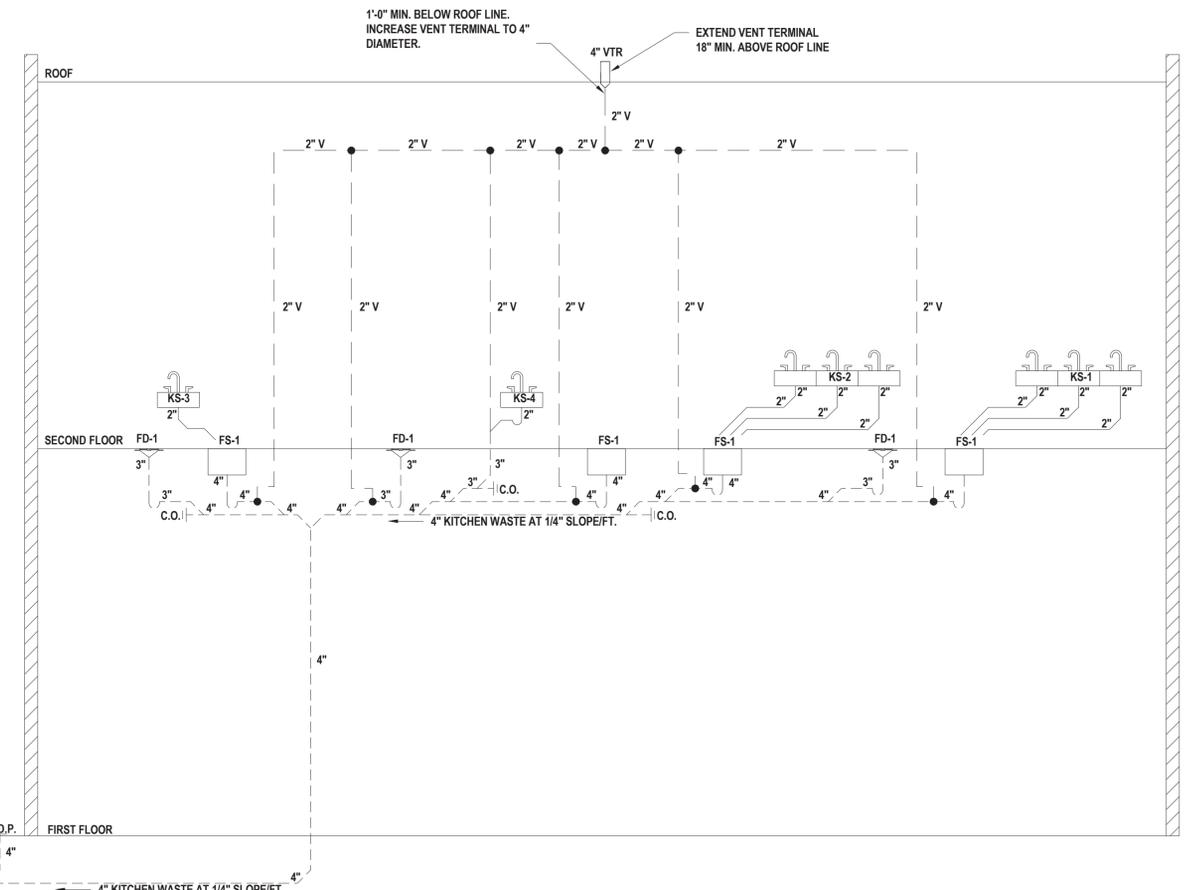
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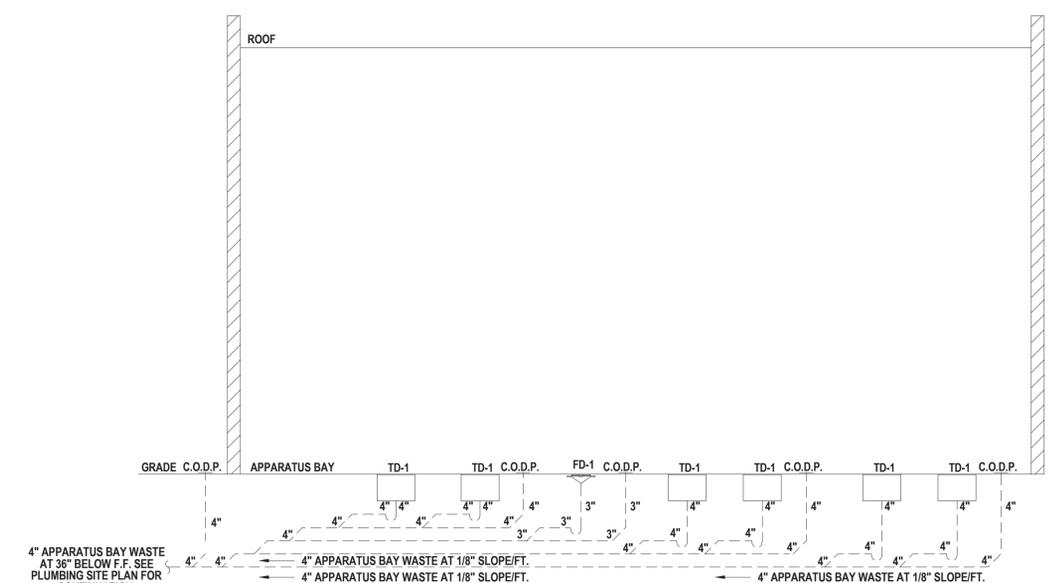
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SCALE: T.S.



2 Storm Riser Diagram - Apparatus Bay (2 of 2)
SCALE: T.S.



3 Kitchen Waste Riser Diagram
SCALE: T.S.



4 Apparatus Bay Waste Riser Diagram
SCALE: T.S.

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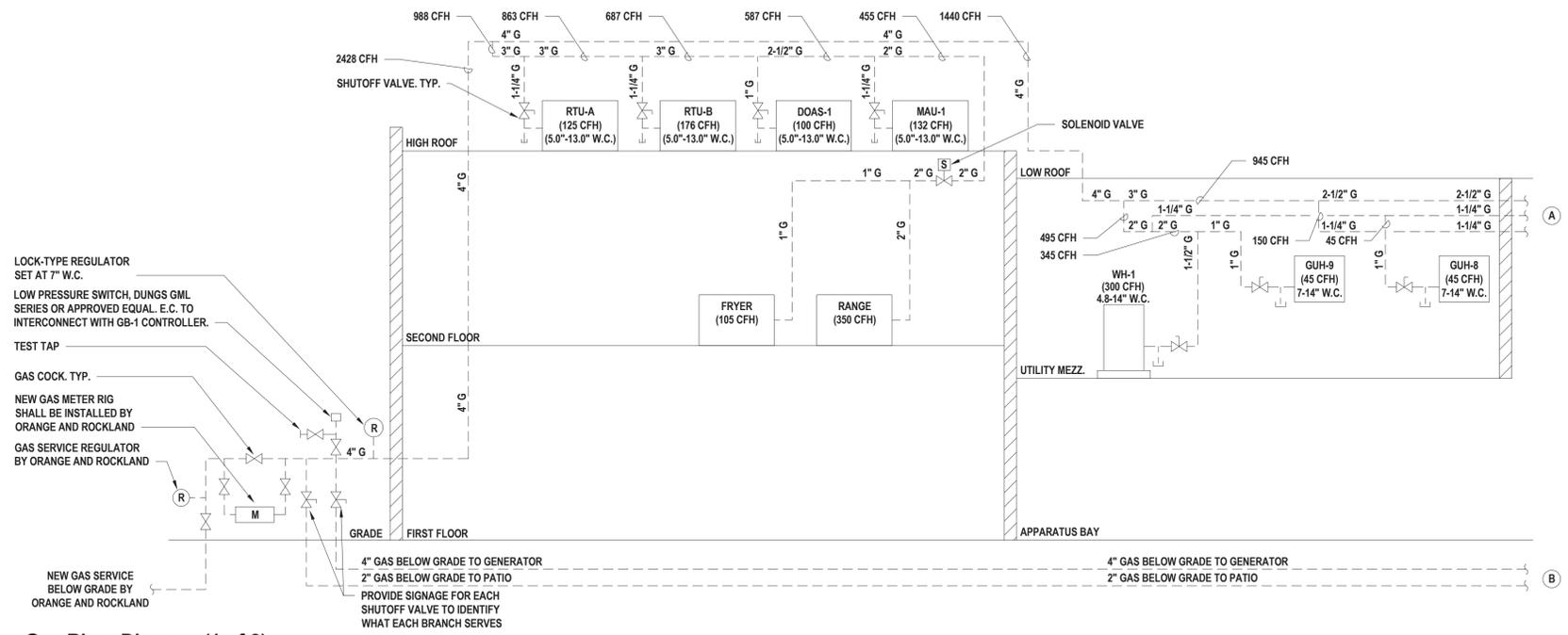
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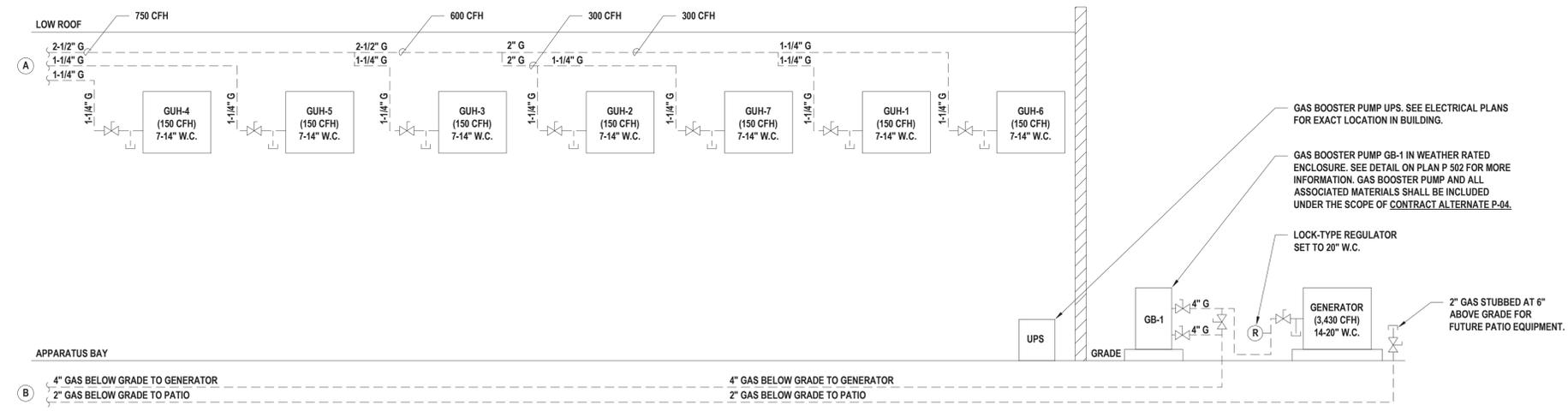
**PLUMBING
 GAS RISER DIAGRAM**

DRAWING No.

P 613.00



1 Gas Riser Diagram (1 of 2)
 SCALE: 1/8" = 1'-0"



2 Gas Riser Diagram (2 of 2)
 SCALE: 1/8" = 1'-0"