PLUMBING ABBREVIATIONS

Ø	ROUND	LVR	LOUVER
ABV	ABOVE	LWT	LEAVING WATER TEMPERATURE
AC	AIR CONDITIONING	M/A	MIXED AIR
AD	AREA DRAIN	MAX	MAXIMUM
ADD	ADDENDUM	MBH	ONE THOUSAND BTU PER HOUR
AFF	ABOVE FINISHED FLOOR	MCF	ONE THOUSAND CUBIC FEET
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	MD	MOTORIZED DAMPER
ALT	ALTERNATE	MECH	MECHANICAL
AP	ACCESS PANEL	MFR	MANUFACTURER
ARCH	ARCHITECT/ARCHITECTURAL	MIN	MINIMUM
BFF	BELOW FINISHED FLOOR	MISC	MISCELLANEOUS
BLW	BELOW	MTR	MOTOR
BTU	BRITISH THERMAL UNITS	MUA	MAKE-UP/AIR
BTUH	BRITISH THERMAL UNITS PER HOUR	NC	NOISE CRITERIA
CAP	CAPACITY	NC	NORMALLY CLOSED
CB	CATCH BASIN	NIC	NOT IN CONTRACT
CFM	CUBIC FEET PER MINUTE	NO	NUMBER
CLG	CEILING	NO	NORMALLY OPEN
CO	CLEAN OUT	NTS	NOT TO SCALE
CW	COLD WATER	O	OXYGEN
D	DEGREE	O/A	OUTSIDE AIR
DB	DRY BULB	ORD	OVERFLOW ROOF DRAIN
DIA	DIAMETER	PD	PRESSURE DROP
DN	DOWN	PIV	POST INDICATOR VALVE
DW	DISTILLED WATER	PLBG	PLUMBING
EA	EACH	PRESS	PRESSURE
EAT	ENTERING AIR TEMPERATURE	PRV	PRESSURE REDUCING VALVE
ELEC	ELECTRICAL	PSI	POUNDS PER SQUARE INCH
EQUIP	EQUIPMENT	PSIG	POUNDS PER SQUARE INCH GAUGE
EWC	ELECTRIC WATER COOLER	PWR	POWER
EWT	ENTERING WATER TEMPERATURE	R	DUCT RISER
E/A	EXHAUST AIR	R/A	RETURN AIR
EXIST	EXISTING	RCP	RADIANT CEILING PANEL
F	DEGREES FAHRENHEIT	RD	ROOF DRAIN
FCO	FLOOR CLEAN OUT	REC	RECESSED
FD	FLOOR DRAIN	RED	REDUCER
FD	FIRE DAMPER	RH	RELATIVE HUMIDITY
FDV	FIRE DEPARTMENT VALVE	RL/A	RELIEF AIR
FL	FLOOR	RM	ROOM
FO	FUEL OIL	RPM	REVOLUTIONS PER MINUTE
FOV	FUEL OIL VENT	RW	RAIN WATER
FOR	FUEL OIL RETURN	SF	SQUARE FOOT
FOS	FUEL OIL SUPPLY	S/A	SUPPLY AIR
FPM	FEET PER MINUTE	SAN	SANITARY
FS	FLOOR SINK	SF	SQUARE FOOT
FT	FOOT/FEET	SD	SMOKE DAMPER
FTR	FIN TUBE RADIATION	SM	SURFACE MOUNT
GAL	GALLON	SP	STANDPIPE
GC	GENERAL CONTRACTOR	SP	STATIC PRESSURE
GPM	GALLONS PER MINUTE	STM	STEAM
GW	GREASE WASTE	T	THERMOSTAT
HB	HOSE BIB	TD	TEMPERATURE DROP
HP	HORSE POWER	TDR	TRENCH DRAIN
HTG	HEATING	TEMP	TEMPERATURE
HTR	HEATER	TYP	TYPICAL
HW	HOT WATER	UG	UNDERGROUND
HYD	HYDRANT	VAC	VACUUM
ID	INDIRECT	V	VENT
IN	INCH	VAV	VARIABLE AIR VOLUME
INV	INVERT	VENT	VENTILATION
LB	POUND	VTR	VENT THROUGH ROOF
LB/HR	POUNDS PER HOUR	W	WASTE
LAT	LEAVING AIR TEMPERATURE	WB	WET BULB
LP	LOW PRESSURE	WCO	WALL CLEAN OUT
LPG	LIQUEFIED PETROLEUM GAS	WH	WALL HYDRANT

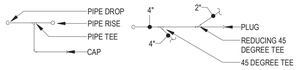
EQUIPMENT ABBREVIATIONS

AC	AIR CONDITIONING UNIT	ET	EXPANSION TANK
ACCU	AIR COOLING CONDENSING UNIT	EWH	ELECTRIC WATER HEATER
AHU	AIR HANDLING UNIT	FCU	FAN COIL UNIT
AS	AIR SEPARATOR	FP	FIRE PUMP
B	BOILER	GI	GREASE INTERCEPTOR
CH	CHILLER	GRV	GRAVITY ROOF VENTILATOR
CT	COOLING TOWER	HWP	HEATING WATER PUMP
CUH	CABINET UNIT HEATER	HRU	HEAT RECOVERY UNIT
CHWP	CHILLED WATER PUMP	PRV	POWER ROOF VENTILATOR
DBP	DOMESTIC WATER BOOSTER PUMP	RE	RETURN/EXHAUST FAN
DC	DUCT MOUNTED COIL	RTU	ROOFTOP UNIT
DCP	DOMESTIC WATER CIRCULATING PUMP	SP	SUMP PUMP
EF	EXHAUST FAN	UH	UNIT HEATER
EDC	ELECTRIC DUCT COIL	WH	WATER HEATER

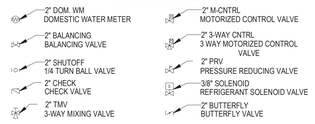
GENERAL SYMBOLS

- REVISION NUMBER - SHOWN ON PLANS
- POINT WHERE NEW CONNECTS TO EXISTING
- NUMBER OF DETAIL ON SHEET
- NUMBER OF SHEET WHERE DETAIL APPEARS
- KEYNOTE
- CONTINUATION SYMBOL
- ROOM NAME AND NUMBER (ROOM 1)
- ITEM TO BE DEMOLISHED
- AREA NOT IN CONTRACT
- 2" — PIPE SIZE TAG (DIAMETER)
- ABOVE GROUND PIPING
- 1/8" / 12" SLOPE — PIPE SLOPE TAG
- BELOW GROUND PIPING
- INVERT: -105' - 1" — PIPE INVERT ELEVATION TAG
- (E) — EXISTING PIPE TAG
- PIPING BEING DEMOLISHED

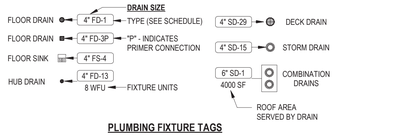
PIPE TAGS



PIPE ACCESSORY TAGS



DRAIN TAGS



PLUMBING FIXTURE TAGS

PLUMBING SHEET LIST

Sheet Number	Sheet Name
P0.01	PLUMBING NOTES, SYMBOLS & ABBREVIATIONS
P2.01	PROPOSED PLUMBING SANITARY & VENTING - EAST LEVEL 1
P2.02	PROPOSED PLUMBING SANITARY & VENTING - WEST LEVEL 1
P2.03	PROPOSED PLUMBING SANITARY & VENTING - LEVEL 2
P2.05	PROPOSED PLUMBING DOMESTIC WATER PIPING - EAST LEVEL 1
P2.06	PROPOSED PLUMBING DOMESTIC WATER PIPING - WEST LEVEL 1
P2.07	PROPOSED PLUMBING DOMESTIC WATER PIPING - LEVEL 2
P2.10	PROPOSED PLUMBING GAS PIPING - EAST LEVEL 1
P2.11	PROPOSED PLUMBING GAS PIPING - WEST LEVEL 1
P2.12	PROPOSED PLUMBING GAS PIPING - EAST LEVEL 2/ROOF
P2.13	PROPOSED PLUMBING GAS PIPING - WEST LEVEL 2/ROOF
P2.14	PROPOSED PLUMBING STORM PIPING - EAST LEVEL 1
P2.15	PROPOSED PLUMBING STORM PIPING - WEST LEVEL 1
P2.16	PROPOSED PLUMBING STORM PIPING - EAST ROOF
P2.17	PROPOSED PLUMBING STORM PIPING - WEST ROOF
P4.01	ENLARGED PLUMBING PLANS I - SANITARY & VENTING
P4.02	ENLARGED PLUMBING PLANS II - SANITARY & VENTING
P4.03	ENLARGED FOOD SERVICE PLANS I - SANITARY & VENTING
P4.04	ENLARGED FOOD SERVICE PLANS II - SANITARY & VENTING
P4.05	ENLARGED PLUMBING PLANS I - DOMESTIC WATER PIPING
P4.06	ENLARGED PLUMBING PLANS II - DOMESTIC WATER PIPING
P4.07	ENLARGED FOOD SERVICE PLANS I - DOMESTIC WATER PIPING
P4.08	ENLARGED FOOD SERVICE PLANS II - DOMESTIC WATER PIPING
P5.01	PROPOSED PLUMBING SANITARY & VENTING RISERS I
P5.02	PROPOSED PLUMBING SANITARY & VENTING RISERS II
P5.03	PROPOSED PLUMBING SANITARY & VENTING RISERS III
P5.04	PROPOSED PLUMBING DOMESTIC WATER RISERS I
P5.05	PROPOSED PLUMBING DOMESTIC WATER RISERS II
P5.06	PROPOSED PLUMBING DOMESTIC WATER RISERS III
P5.10	PROPOSED PLUMBING GAS RISER
P5.11	PROPOSED PLUMBING STORM PIPING RISERS
P6.01	PLUMBING FIXTURE SCHEDULE AND DETAILS
P6.02	PLUMBING DETAILS
P6.03	PLUMBING DETAILS

General Notes

1. ALL WORK SHALL CONFORM TO NEW YORK STATE ENERGY CODE, NATIONAL STANDARD PLUMBING CODE 20158 AND ALL OTHER APPLICABLE CODES, ORDINANCES, AND LOCAL AUTHORITY HAVING JURISDICTION.

2. CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH THE EXTENT AND SCOPE OF THE WORK PRIOR TO SUBMITTING BIDS OR COMMENCING WORK.

3. CONTRACTOR SHALL REVIEW DRAWINGS AND FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES, AND ADDRESS ALL QUESTIONS TO ARCHITECT/ENGINEER PRIOR TO COMMENCING WORK.

4. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING UP WORK AREAS UPON COMPLETION OF WORK.

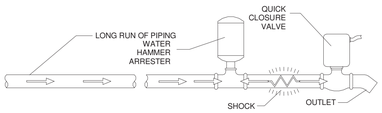
5. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL REQUIRED PERMITS, FEES AND INSPECTIONS PRIOR TO COMMENCING WORK. UPON COMPLETION OF WORK THE CONTRACTOR SHALL SECURE CERTIFICATE OF OCCUPANCY.

6. CONTRACTOR SHALL BE RESPONSIBLE TO DISPOSE OF ALL DEMOLISHED MATERIAL OF SITE IN AN APPROVED MANNER.

7. PROVIDE SLOPE OF 1/4" PER FOOT FOR SANITARY PIPE SIZES 2-1/2" & SMALLER. PROVIDE SLOPE OF 1/8" PER FOOT FOR SANITARY PIPE SIZES 3" & LARGER. (TYP.)

Sizing and Placement of Water Hammer Arrester (WHA)

TABLE 3 INDICATES THE SIZE OF THE WATER ARRESTER REQUIRED FOR LONG RUNS OF PIPING WHICH FEED A SINGLE REMOTE FIXTURE OR APPLIANCE. THE WATER ARRESTER UNIT SHOULD BE SIZED BY USING TABLE 3 AND LOCATED AS CLOSE TO THE POINT OF QUICK CLOSURE AS POSSIBLE.



WATER HAMMER ARRESTER SELECTION CHART

LENGTH OF PIPE	NOMINAL PIPE SIZE					
	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
25'	5005	5005	5010	5020	5030	5040
50'	5005	5010	5020	5030	5040	5050
75'	5010	5020	5030	1-5005 1-5040	5050	1-5040 1-5050
100'	5020	5030	5040	5050	1-5020 1-5050	2-5050
125'	5020	5030	5050	1-5005 1-5050	1-5040 1-5050	1-5040 2-5050
150'	5030	5040	5050	1-5030 1-5050	2-5050	3-5050

TABLE 3

NOTE:
TABLE 3 SHOWS LENGTHS OF RUN OF BRANCH PIPING. THE LENGTH OF RUN USED SHOULD BE THE LENGTH OF PIPE FROM POINT OF VALVE CLOSURE TO A POINT OF RELIEF, SUCH AS LARGE PIPE RISER TWICE THE SIZE OF THE BRANCH LINE, MAIN LINE OR WATER TANK.

ALL SIZING RECOMMENDATIONS SHOWN IN TABLE 3 ARE BASED ON AN OPERATING WATER PRESSURE OF 65 PSI OR UNDER AN AVERAGE VELOCITY BETWEEN 5 AND 10 FEET PER SECOND. IF OPERATING PRESSURES ARE OVER 65 PSI USE THE NEXT LARGER WATER HAMMER ARRESTER UNIT. WHEN PRESSURES ARE ANTICIPATED ABOVE 85 PSI A PRESSURE REDUCING VALVE IS RECOMMENDED.

Plumbing General Notes

1. PLUMBING CONTRACTOR TO PROCURE AND PAY FOR ALL NECESSARY PERMITS AND LICENSES REQUIRED TO CARRY OUT WORK, OBTAIN AND PAY FOR ALL NECESSARY CERTIFICATES OF APPROVAL FOR WORK, AND PAY FOR ANY LEGAL FEES.

2. INSTALLATION TO COMPLY WITH ALL FEDERAL, STATE, MUNICIPAL LAWS, AND ALL CODES, RULES, ORDINANCES, AND REGULATIONS OF HEALTH, PUBLIC OR OTHER AUTHORITIES CONTROLLING OR LIMITING THE METHODS, MATERIALS TO BE USED OR ACTIONS OF THOSE EMPLOYED IN THE WORK

3. PIPE INSTALLATION AS FOLLOWS:
   - 3.A. RUN ALL PIPING CONCEALED IN CEILINGS, WALLS AND PARTITIONS
   - 3.B. ALL PIPING TO BE PITCHED TO LOW POINTS WITH DRAIN VALVES, SOIL, STORM, AND WASTE TO BE SLOPED @ 1/8" PER FOOT MIN.
   - 3.C. SLEEVE PIPING THAT PASSES THROUGH WALLS
   - 3.D. FLASH ALL PIPING THAT PASSES THROUGH ROOF.
   - 3.E. PROVIDE ROD HANGERS WITH CLEVIS PIPE SUPPORT PER NATIONAL PLUMBING CODE 2015.
   - 3.F. PROVIDE VALVES REQUIRED FOR COMPLETE CONTROL OF ALL SYSTEMS. STOP VALVES FOR SUPPLY TO ALL FIXTURES TO BE CHROME PLATED WHERE EXPOSED.
   - 3.G. PROVIDE ACCESS DOORS FOR ALL CONCEALED VALVES AND CLEANOUTS

4. PLUMBING CONTRACTOR TO CARRY OUT PERIODIC CLEANING TO REMOVE RUBBISH ETC., TO LEAVE PREMISES FREE FROM DEBRIS, AND DISCARDED MATERIALS. AFTER INSTALLATION, CLEAN FIXTURES, FITTINGS, ETC. AND LEAVE READY FOR USE.

Plumbing System Materials

WASTE:
- ABOVE GROUND — PIPING SHALL BE SCHEDULE 40 SOLID WALL PVC WITH PRIMED & CEMENTED PVC SOCKET FITTINGS.
- BELOW GROUND — PIPING SHALL BE SCHEDULE 40 SOLID WALL PVC WITH PRIMED & CEMENTED PVC SOCKET FITTINGS.
- CENTRAL KITCHEN — PIPING FROM CENTRAL KITCHEN SHALL BE BELL AND SPIGOT SERVICE WEIGHT CAST IRON PIPE WITH NEOPRENE (TY-SEAL) GASKETS

VENT:
- ABOVE GROUND — PIPING SHALL BE SCHEDULE 40 SOLID WALL PVC WITH PRIMED & CEMENTED PVC SOCKET FITTINGS.
- BELOW GROUND — PIPING SHALL BE SCHEDULE 40 SOLID WALL PVC WITH PRIMED & CEMENTED PVC SOCKET FITTINGS

STORM:
- ABOVE GROUND — PIPING SHALL BE SCHEDULE 40 SOLID WALL PVC WITH PRIMED & CEMENTED PVC SOCKET FITTINGS.
- BELOW GROUND — PIPING SHALL BE SCHEDULE 40 SOLID WALL PVC WITH PRIMED & CEMENTED PVC SOCKET FITTINGS.

DOMESTIC WATER: (EXCEPT WITHIN IL APARTMENTS)
- COLD — PIPING SHALL BE PIPING SHALL BE CPVC WITH SOLVENT WELD JOINTS.
- HOT — PIPING SHALL BE PIPING SHALL BE CPVC WITH SOLVENT WELD JOINTS.
- HOT RETURN — PIPING SHALL BE PIPING SHALL BE CPVC WITH SOLVENT WELD JOINTS

DOMESTIC WATER FOR WITHIN IL APARTMENTS ONLY:
- COLD — PIPING SHALL BE PEX, HOME RUN MANIFOLD SYSTEM. CONNECT PEX WITH ASTM F2080 EXPANSION FITTINGS AND COMPRESSION SLEEVES – WITH BRASS FITTINGS AND SLEEVES.
- HOT — PIPING SHALL BE PEX, HOME RUN MANIFOLD SYSTEM. CONNECT PEX WITH ASTM F2080 EXPANSION FITTINGS AND COMPRESSION SLEEVES – WITH BRASS FITTINGS AND SLEEVES

CONDENSATE:
- ALL — PIPING SHALL BE SCHEDULE 40 SOLID WALL PVC WITH SOLVENT WELD JOINTS

ADDITIONAL INFORMATION - PVC PIPE AND FITTINGS:
- SOLID-WALL PVC PIPE: ASTM D 2665, DRAIN, WASTE, AND VENT.
- PVC SOCKET FITTINGS: ASTM D 2665, MADE TO ASTM D 3311, DRAIN, WASTE, AND VENT PATTERNS AND TO FIT SCHEDULE 40 PIPE
- ADHESIVE PRIMER: ASTM F 656. ADHESIVE PRIMER SHALL HAVE A VOC CONTENT OF 550 G/L OR LESS WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24).
- SOLVENT CEMENT: ASTM D 2564. PVC SOLVENT CEMENT SHALL HAVE A VOC CONTENT OF 510 G/L OR LESS WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24).

GAS (NATURAL GAS):
- ABOVE GROUND — PIPING SHALL BE SHALL BE SCHEDULE 40 BLACK STEEL WITH MALLEABLE IRON SCREWED FITTINGS (PIPE SIZES 2-1/2" & SMALLER) AND WELDED FITTINGS (PIPE SIZES 3" & LARGER)
- BELOW GROUND — PIPE SHALL BE POLYETHYLENE (PE) PLASTIC PIPE WITH HEAT-FUSED JOINTS & FITTINGS IN ACCORDANCE WITH ASTM D 2513. ("JM EAGLE" OR APPROVED EQUAL). PROVIDE APPROVED ANODELESS RISERS TO TRANSITION BETWEEN UNDERGROUND PE PIPE AND ABOVE GROUND BLACK IRON PIPE. PROVIDE A YELLOW INSULATED COPPER TRACER WIRE ADJACENT TO ALL UNDERGROUND NONMETALLIC GAS PIPE. THE TRACER WIRE SHALL TERMINATE ABOVE GRADE AT EACH END OF THE NONMETALLIC PIPE.

INSULATION:

ALL DOMESTIC HOT AND COLD WATER PIPING SHALL BE INSULATED WITH FIBERGLASS PIPE INSULATION WITH ASJ JACKET. REFER TO SPECIFICATIONS FOR INSULATION THICKNESS.

ALL STORM PIPING, CONDUCTORS, LEADERS, AND ROOF DRAIN PANS ABOVE GRADE SHALL BE INSULATED WITH FIBERGLASS PIPE INSULATION WITH ASJ JACKET. REFER TO SPECIFICATIONS FOR INSULATION THICKNESS.

ALL CONDENSATE DRAIN PIPING SHALL BE INSULATED WITH 1" THICK FLEXIBLE ELASTOMERIC INSULATION (AP ARMAFLEX BLACK LAPSEAL OR APPROVED EQUAL).

ACCESSIBLE PIPE INSULATION:
INSTALL INSULATION AT EXPOSED PIPING AT ALL LAVATORIES AS FOLLOW: LAVATORY P-TRAP AND ANGLE VALVE ASSEMBLIES SHALL BE INSULATED WITH "HANDI LAV-GUARD" FULLY MOLDED PVC INSULATION KIT #102 BY TRUEBRO OR APPROVED EQUAL.

WHEN THE DISCREPANCY OCCURS BETWEEN DESIGN DRAWINGS AND SPECIFICATIONS, THE MOST STRINGENT REQUIREMENTS SHALL BE APPLIED FOR THE PROJECT.

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BROADVIEW
SENIOR LIVING AT PURCHASE COLLEGE

BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - COMMONS BUILDING

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

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Project Name
BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - COMMONS BUILDING
Project Number
1308.01
Date
4/30/2021
Scale
1/8" = 1'-0"
Drawing
PLUMBING NOTES, SYMBOLS & ABBREVIATIONS

P0.01

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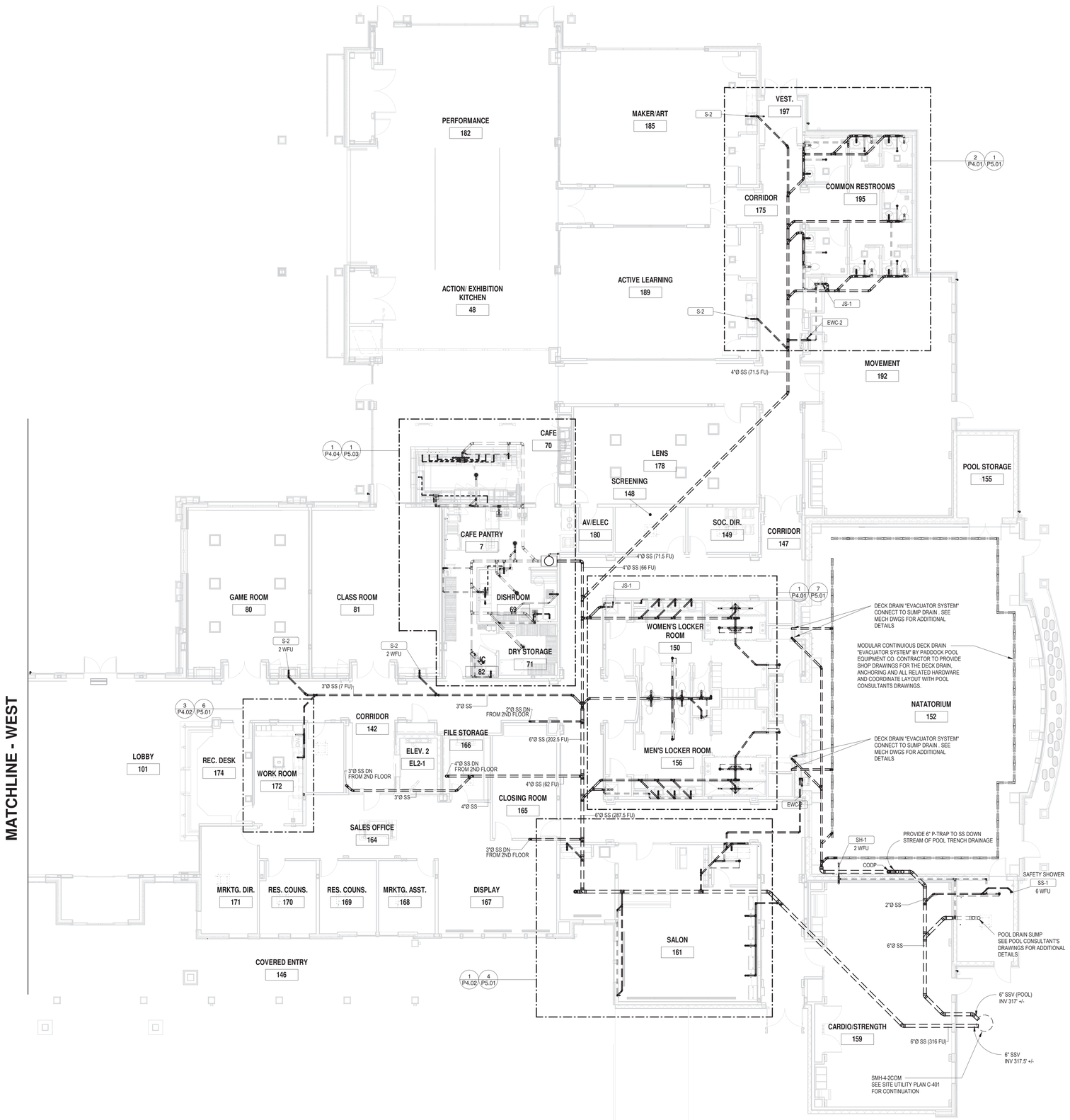

1 P2.01 PLUMBING SANITARY & VENTING - EAST LEVEL 1
1/8" = 1'-0"

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
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PROPOSED PLUMBING SANITARY & VENTING - EAST LEVEL 1

P2.01

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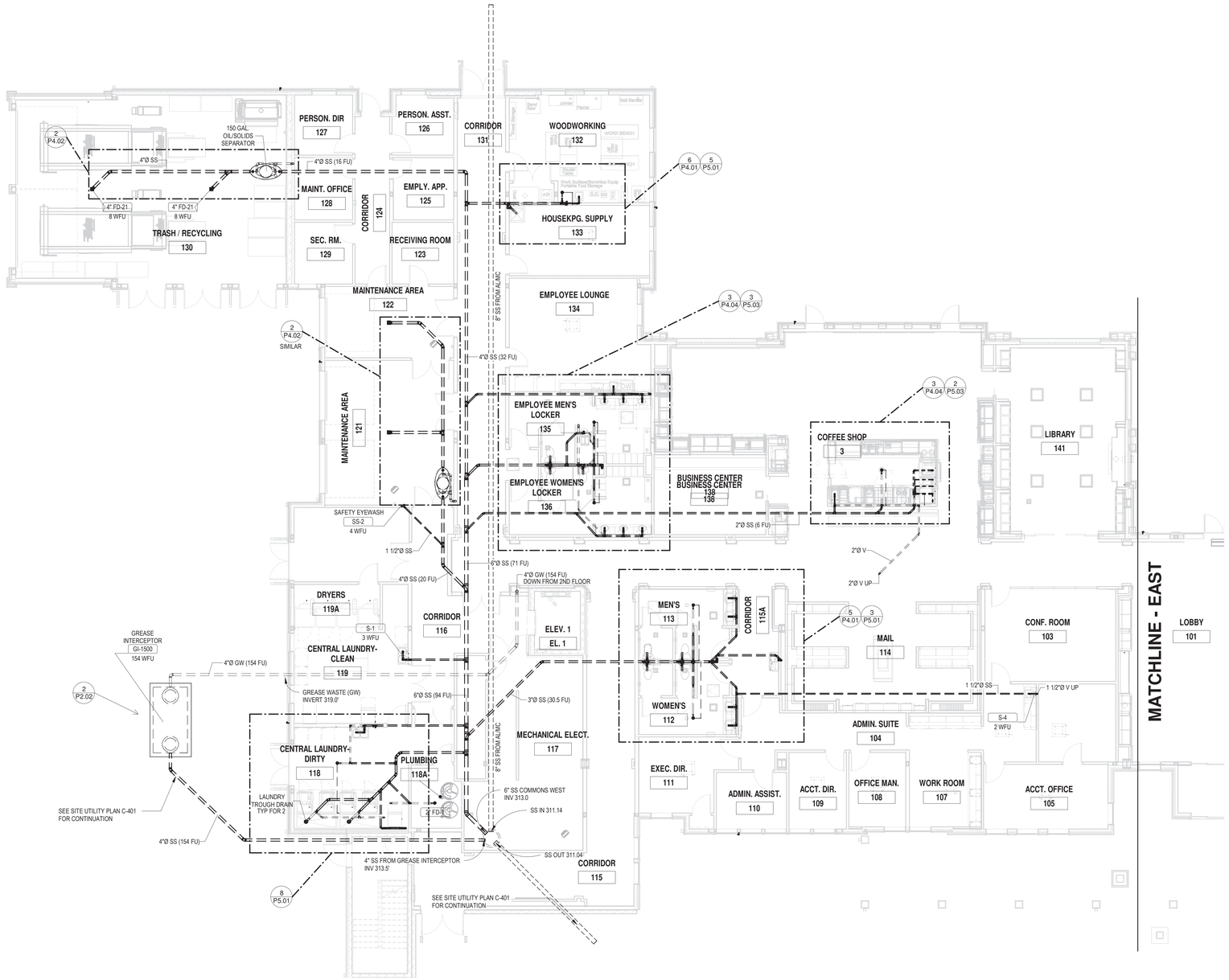
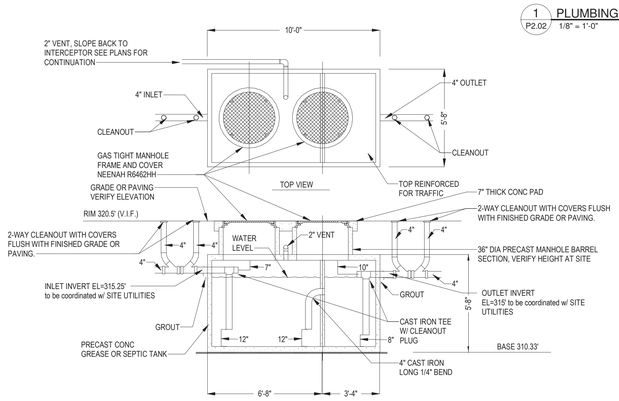


1 P2.02 PLUMBING SANITARY & VENTING - WEST LEVEL 1
1/8" = 1'-0"



2 P2.02 EXTERIOR GREASE INTERCEPTOR - 1500 GALLON (GI-1500)
1/8" = 1'-0"

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P2.02

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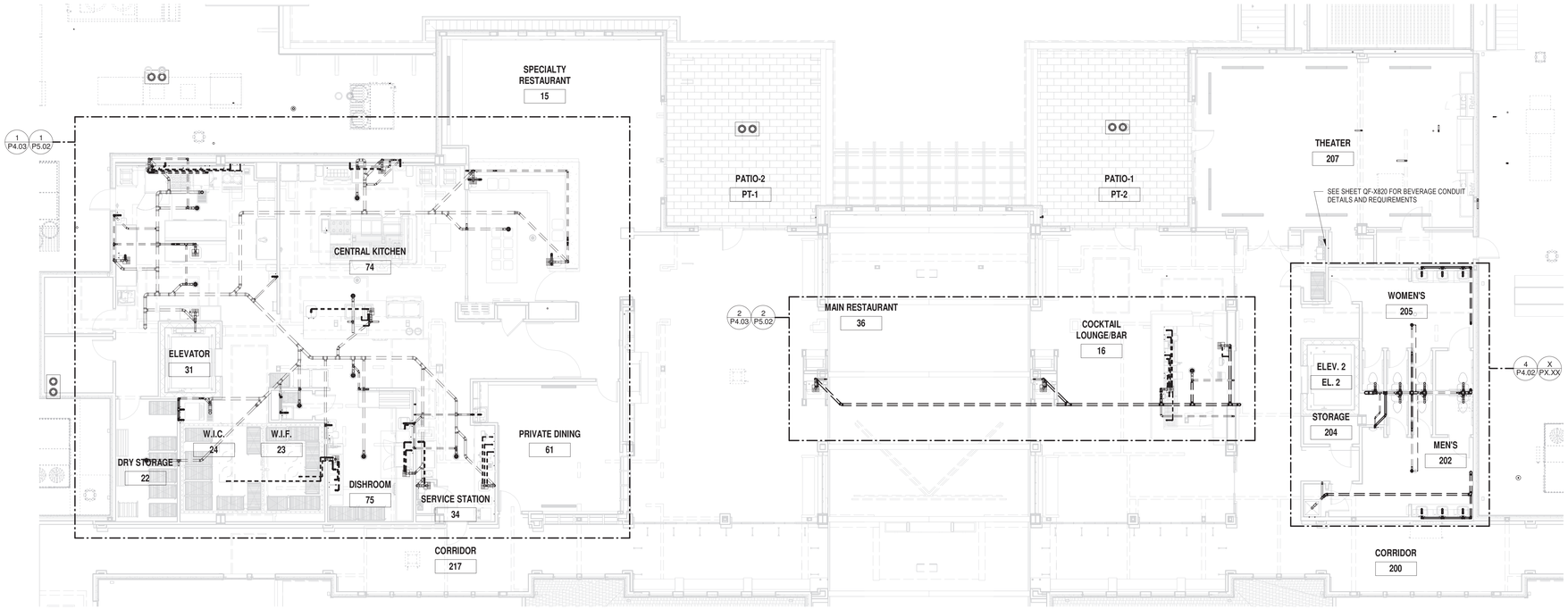

1 P2.03 PLUMBING SANITARY & VENTING - LEVEL 2
1/8" = 1'-0"

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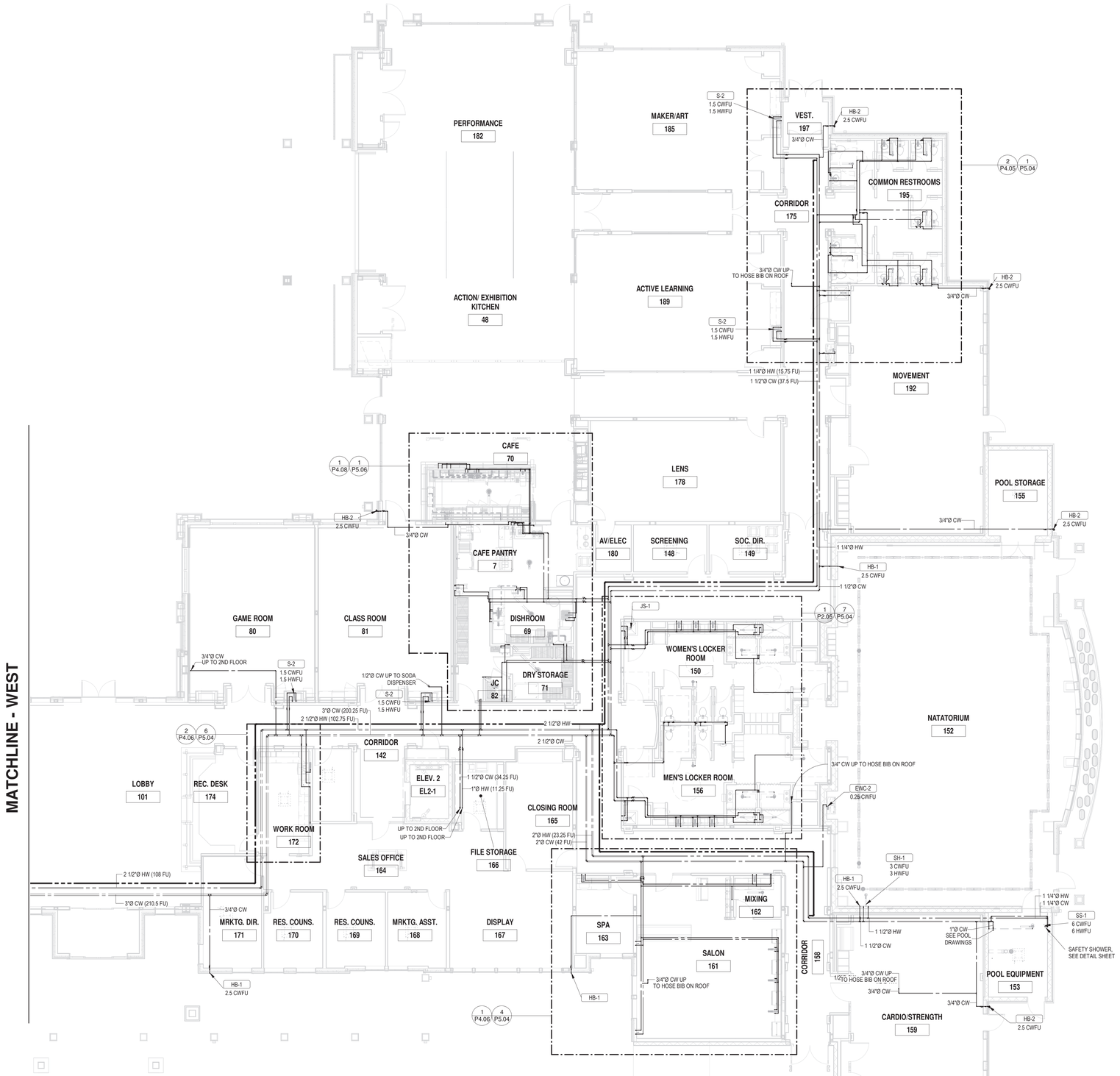

1 P2.05 ROPOSED PLUMBING DOMESTIC WATER PIPING - EAST LEVEL 1
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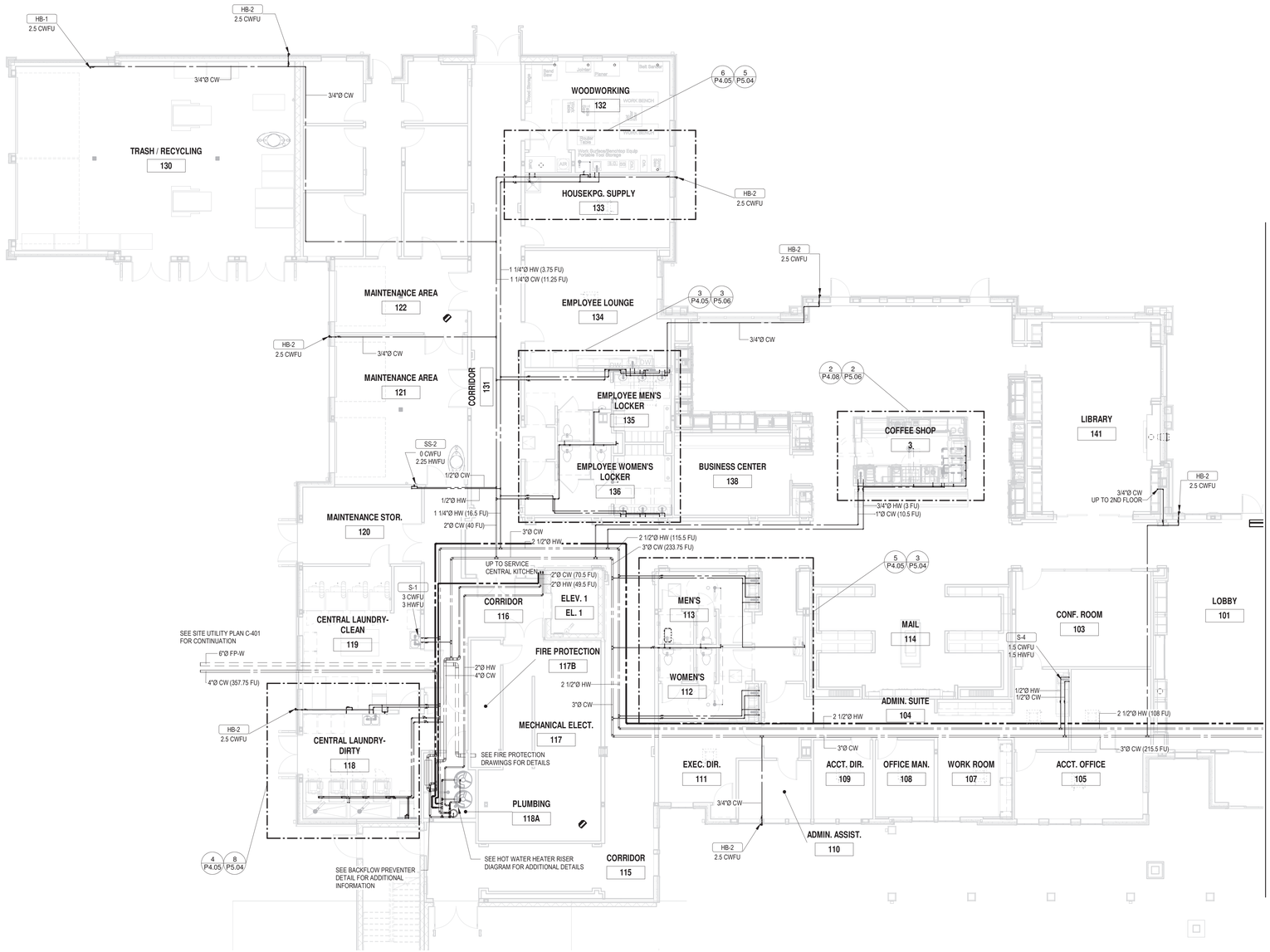

1 P2.06 PROPOSED PLUMBING DOMESTIC WATER PIPING - WEST LEVEL 1
1/8" = 1'-0"

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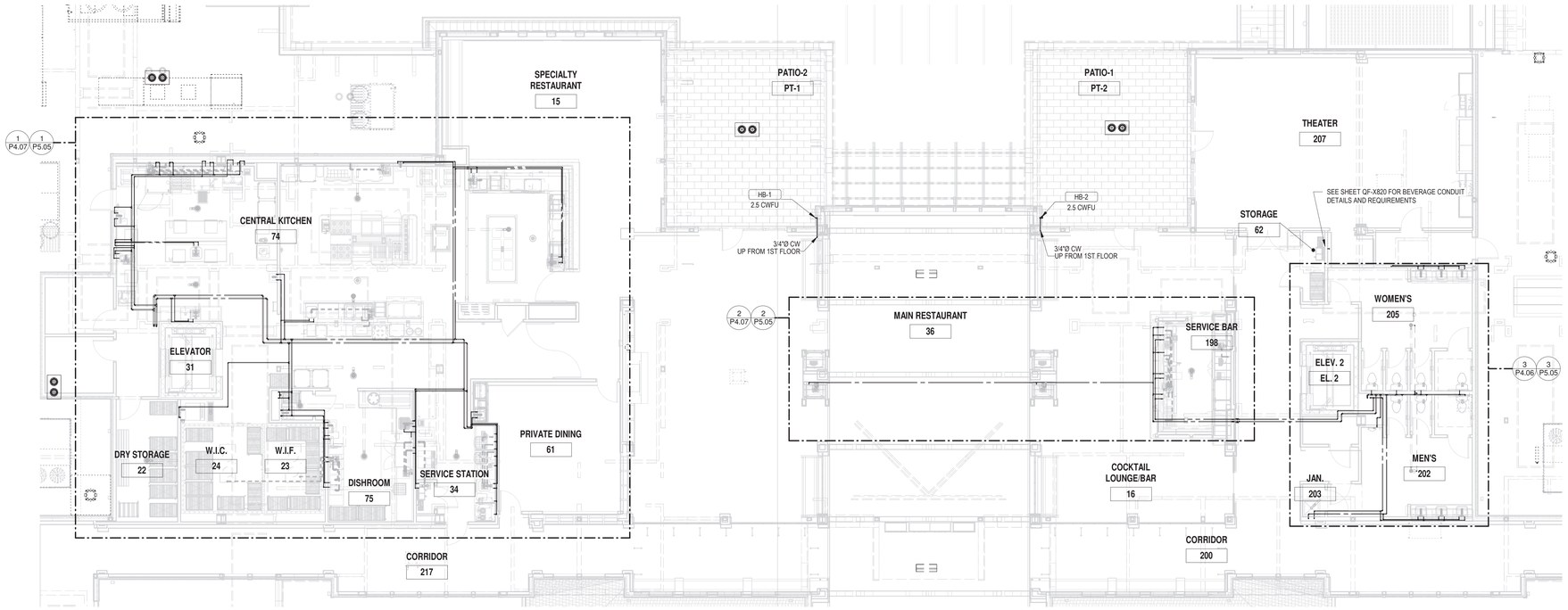

1 P2.07 SECOND FLOOR PLUMBING PLAN - DOMESTIC WATER
1/8" = 1'-0"

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NOTES:
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LOW PRESSURE GAS PIPE SIZES BASED ON 2015 IFGC TABLE 402.4(1). "SCHEDULE 40 METALLIC PIPE" FOR PRESSURES LESS THAN 2 PSI WITH A PRESSURE DROP OF 0.3" W.C.

"GAS HI" = 1 PSI (28" W.C.)
"GAS LOW" = 7" W.C.

PLUMBING CONTRACTOR TO PROVIDE 1/2" VENT FOR ALL INDOOR GAS PRESSURE REGULATORS. PIPE VENT RELIEF TO ATMOSPHIERE COORDINATE WITH LOCAL UTILITY COMPANY FOR GAS PRESSURE REGULATOR VENTING REQUIREMENTS.

1 / P2.10 PROPOSED PLUMBING GAS PIPING - EAST LEVEL 1
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Scale
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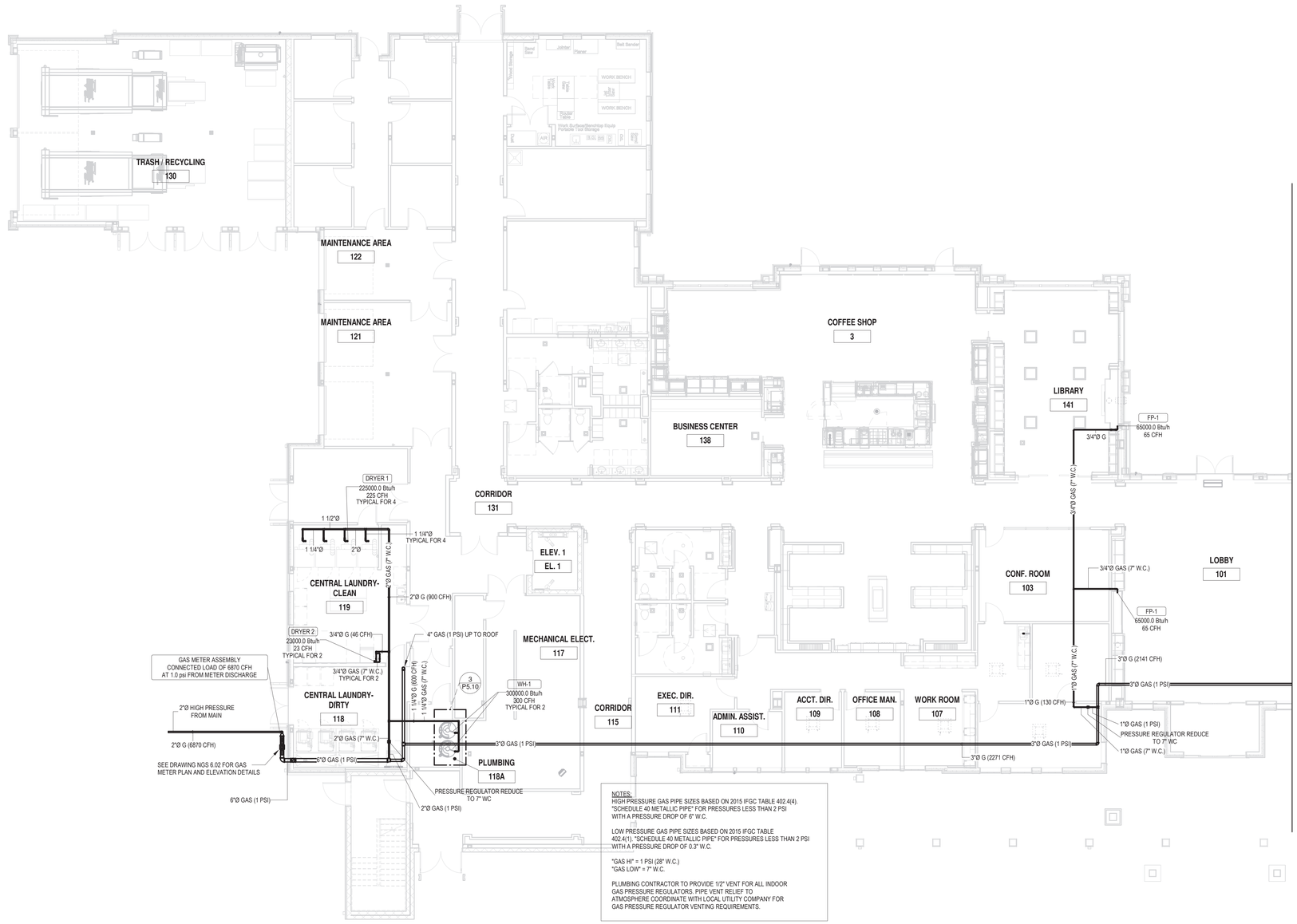

NOTES:
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"SCHEDULE 40 METALLIC PIPE" FOR PRESSURES LESS THAN 2 PSI
WITH A PRESSURE DROP OF 6" W.C.

LOW PRESSURE GAS PIPE SIZES BASED ON 2015 IFGC TABLE
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ATMOSPHERE COORDINATE WITH LOCAL UTILITY COMPANY FOR
GAS PRESSURE REGULATOR VENTING REQUIREMENTS.

1 / P2.11 PROPOSED PLUMBING GAS PIPING - WEST LEVEL 1
1/8" = 1'-0"

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Project Number
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PROPOSED PLUMBING GAS PIPING - WEST LEVEL 1

P2.11

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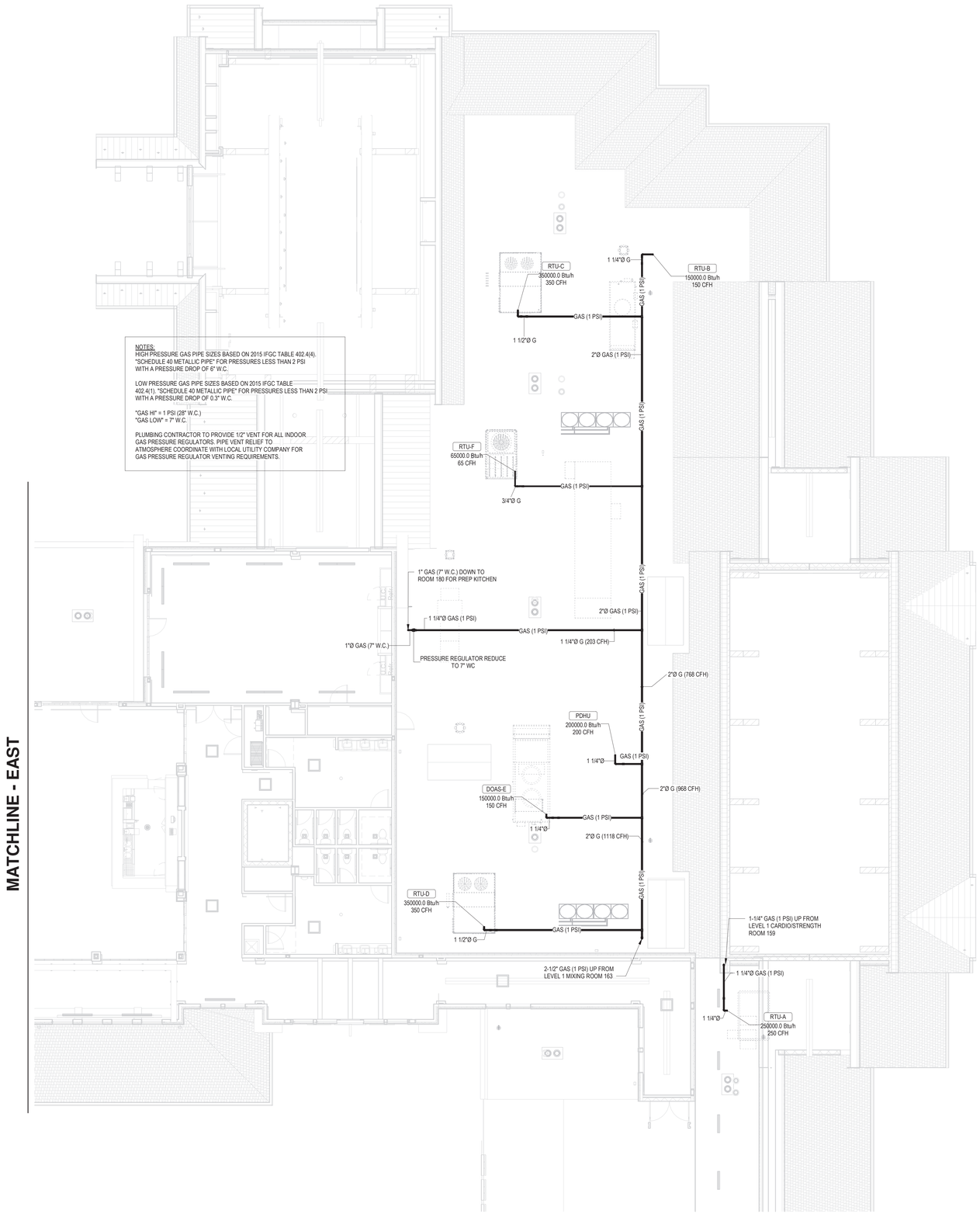

1 / P2.12 PROPOSED PLUMBING GAS PIPING - EAST LEVEL 2/ROOF
1/8" = 1'-0"

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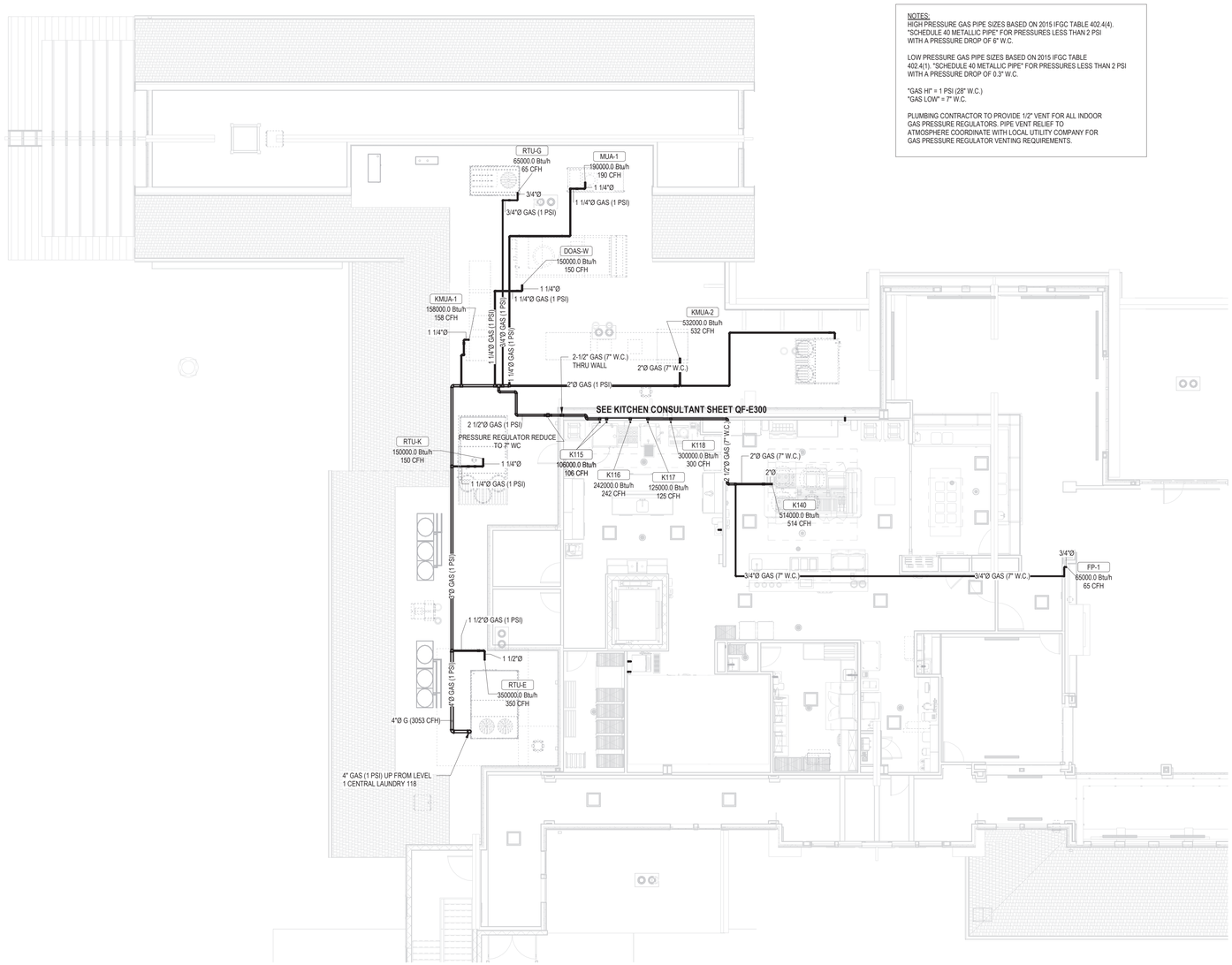

1 P2.13 PROPOSED PLUMBING GAS PIPING - WEST LEVEL 2/ROOF
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PROPOSED PLUMBING GAS PIPING - WEST LEVEL 2/ROOF

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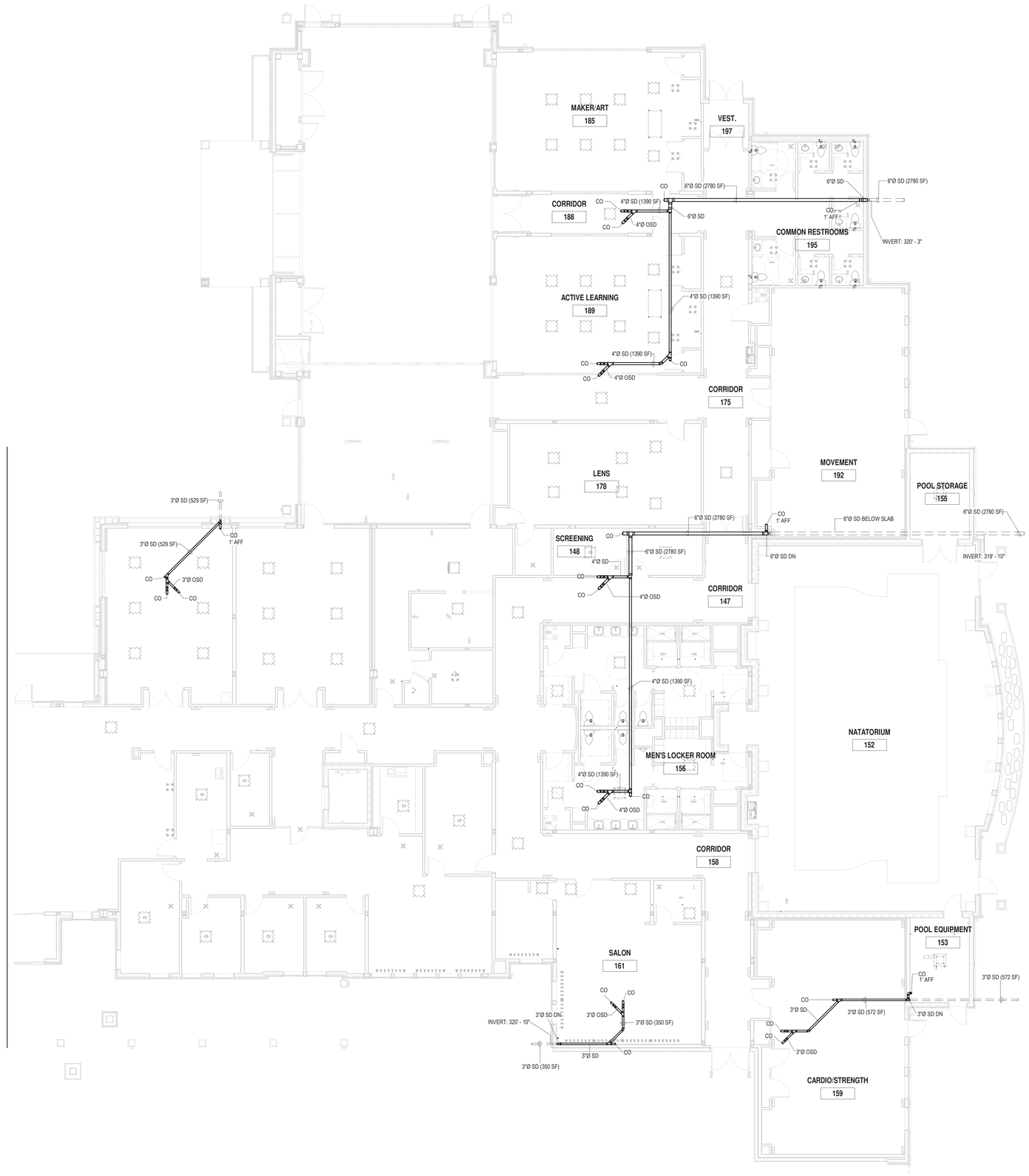

1 P2.14 PROPOSED PLUMBING STORM PIPING - EAST LEVEL 1
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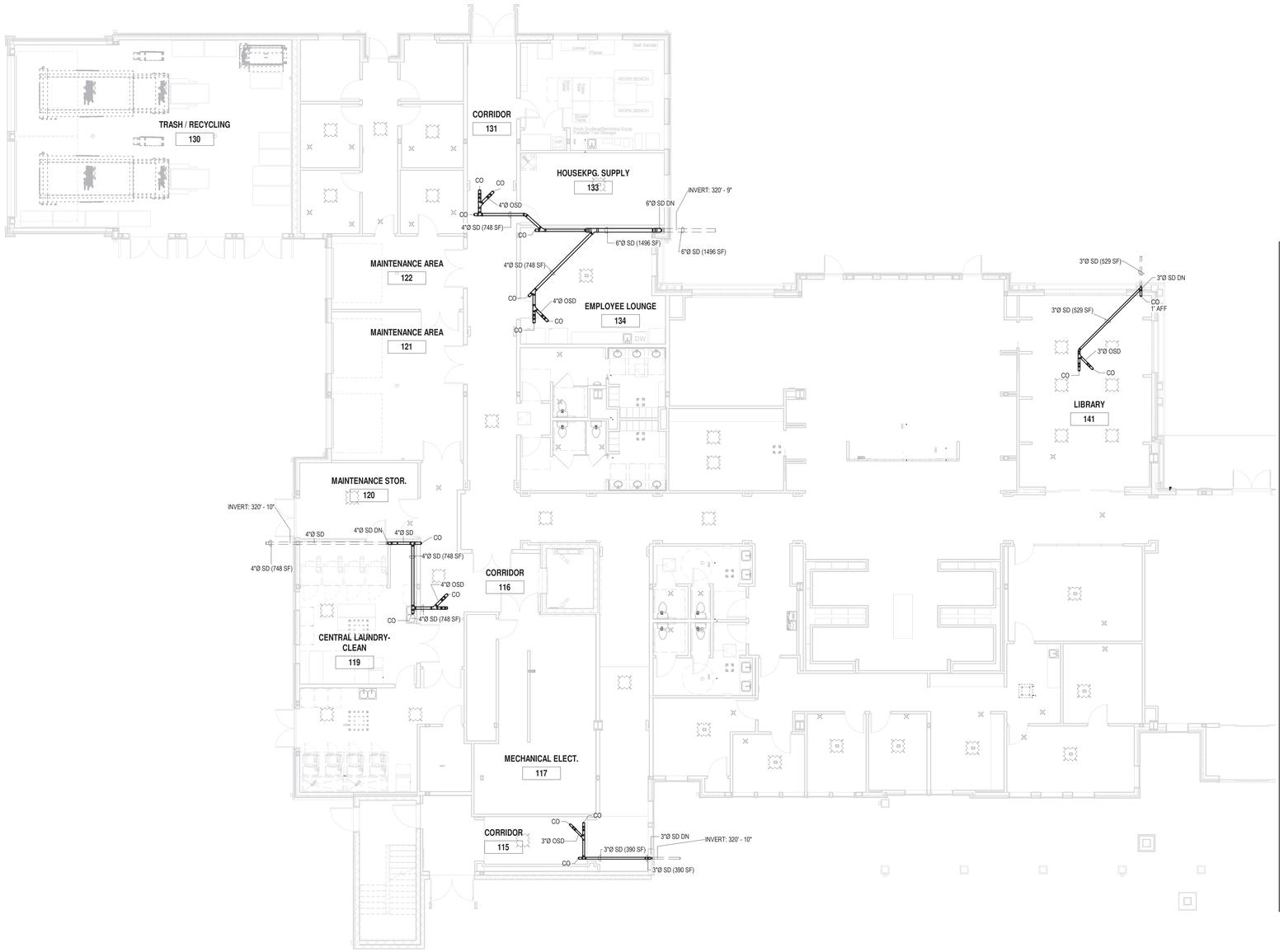

1 P2.15 PROPOSED PLUMBING STORM PIPING - WEST LEVEL 1
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Project Name
BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - COMMONS BUILDING
Project Number
1308.01

Date
4/30/2021

Scale
1/8" = 1'-0"

Drawing
PROPOSED PLUMBING STORM PIPING - WEST LEVEL 1

P2.15

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1 P2.16 PROPOSED PLUMBING STORM PIPING - EAST ROOF
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PROPOSED PLUMBING STORM PIPING - EAST ROOF

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1 P2.17 PROPOSED PLUMBING STORM PIPING - WEST ROOF
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PROPOSED PLUMBING STORM PIPING - WEST ROOF

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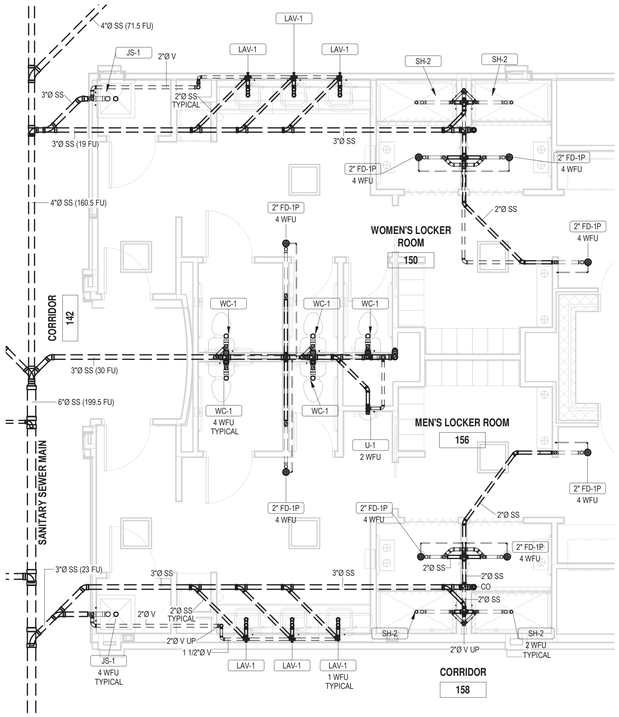
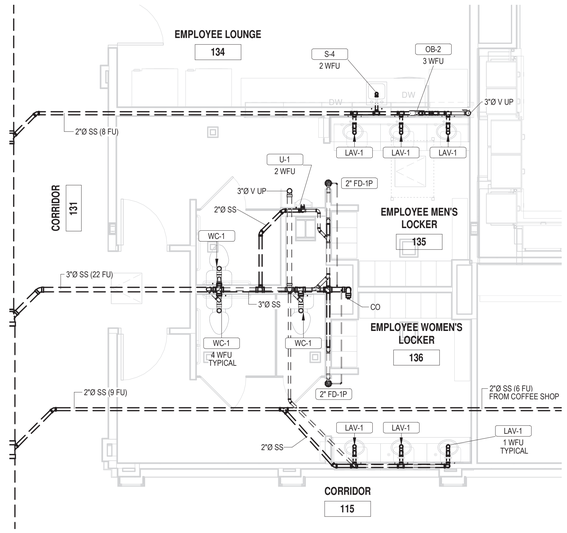
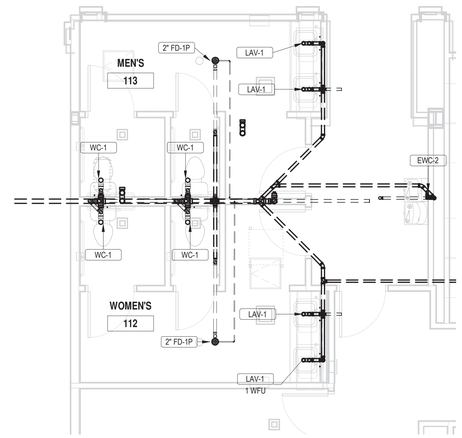


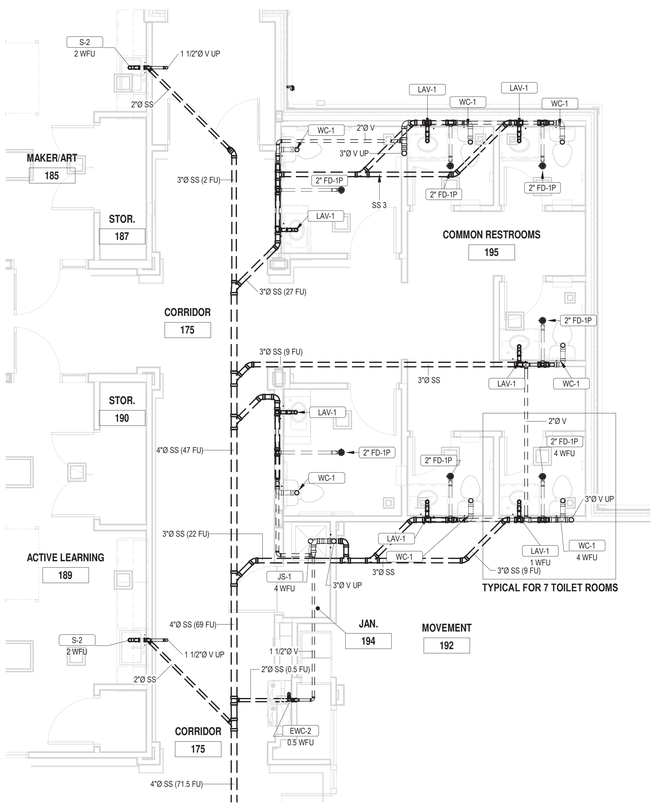
1 P4.01 COMMONS LOCKER ROOMS - SANITARY SEWER/VENT PLAN
1/4" = 1'-0"



3 P4.01 EMPLOYEE LOCKER ROOMS - SANITARY SEWER/VENT PLAN
1/4" = 1'-0"



5 P4.01 MEN'S 113, WOMEN'S 112 - SANITARY SEWER/VENT PLAN
1/4" = 1'-0"



2 P4.01 COMMON RESTROOMS 195 - SANITARY SEWER/VENT PLAN
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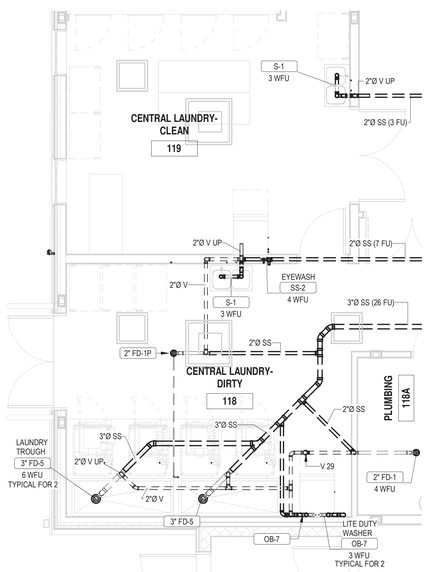
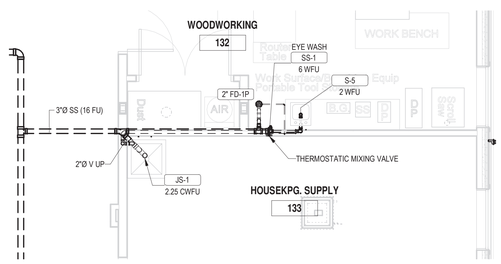


4 P4.01 LAUNDRY 118 - SANITARY SEWER/VENT PLAN
1/4" = 1'-0"



6 P4.01 WOODWORKING 132 - SANITARY SEWER/VENT PLAN
1/4" = 1'-0"

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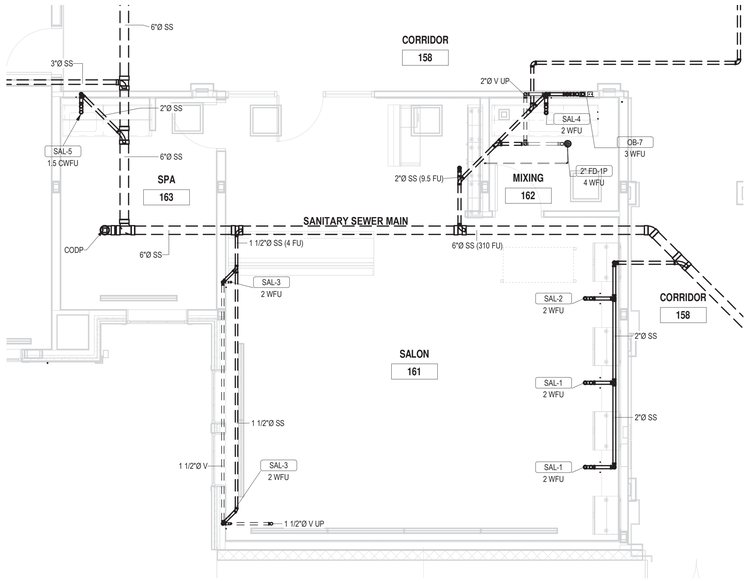
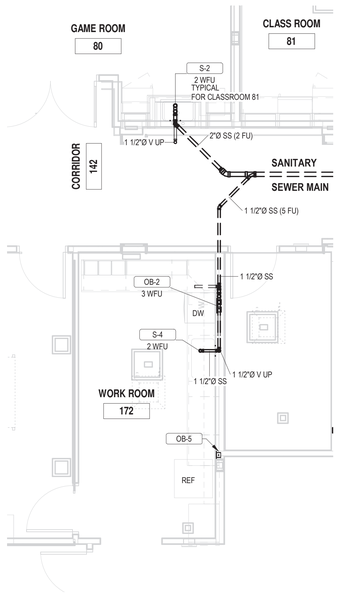
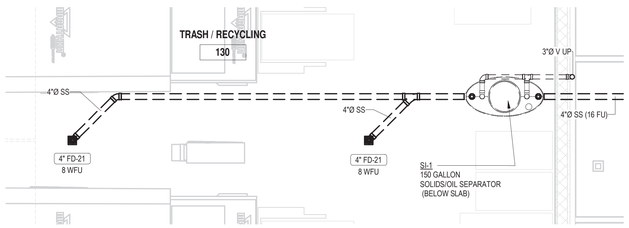


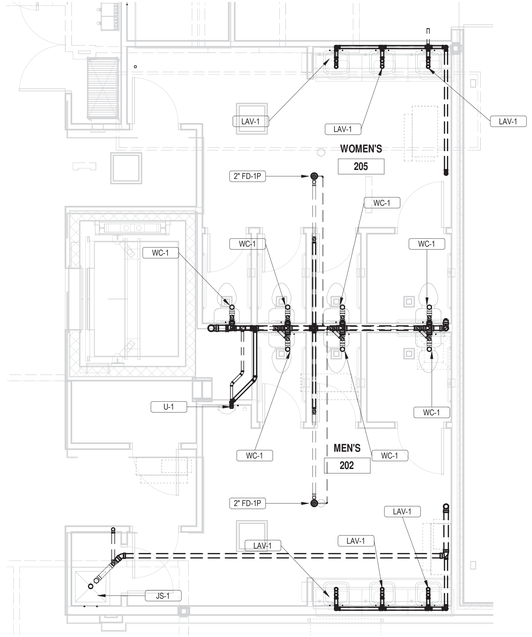
1 P4.02 SALON 161 - SANITARY SEWER/VENT PLAN
1/4" = 1'-0"



3 P4.02 ENLARGED WORK ROOM 172 - SANITARY SEWER/VENT PLAN
1/4" = 1'-0"



2 P4.02 TRASH 130 - SANITARY SEWER/VENT PLAN
1/4" = 1'-0"



4 P4.02 MEN'S 202, WOMEN'S 205 - SANITARY SEWER/VENT PLAN
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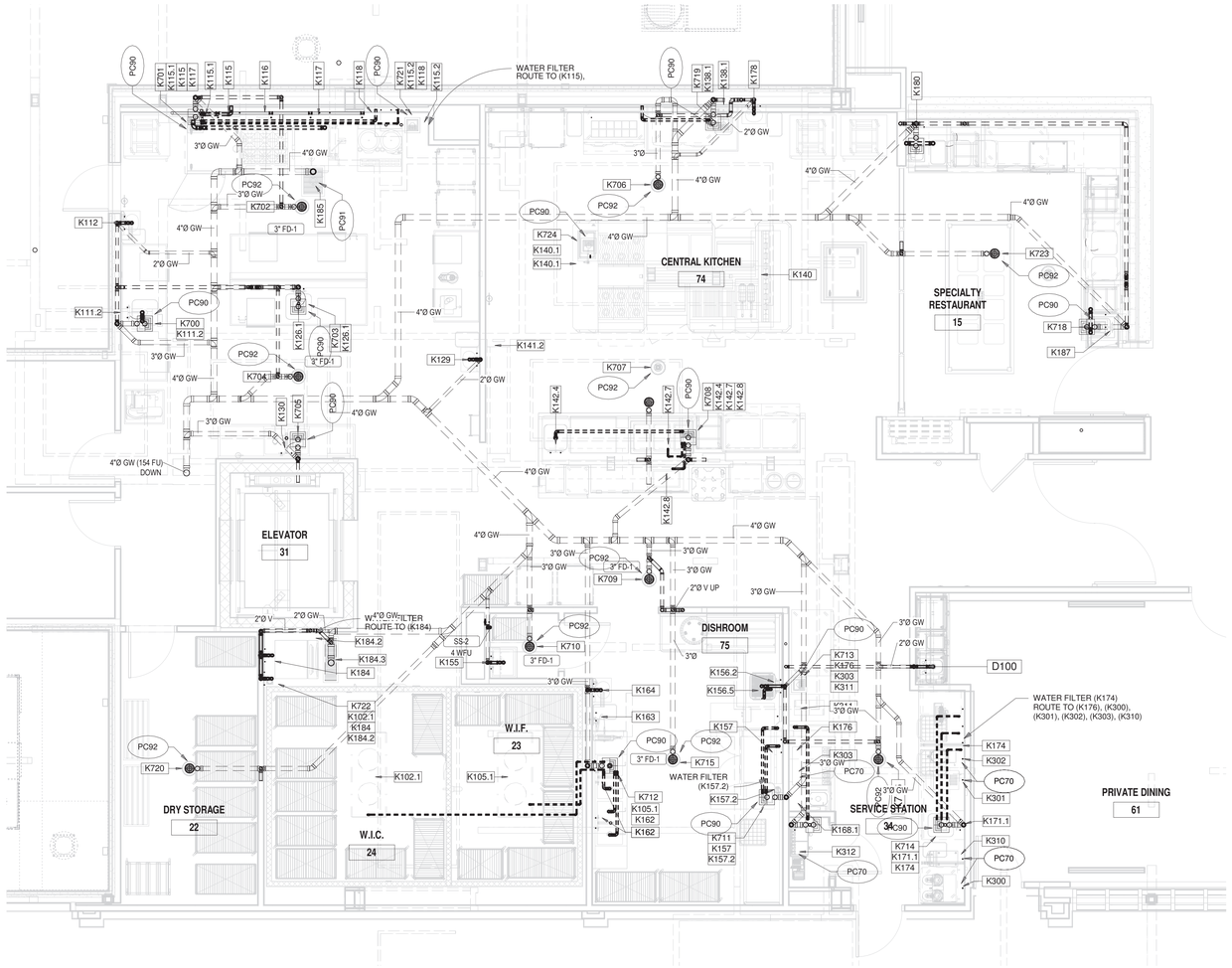
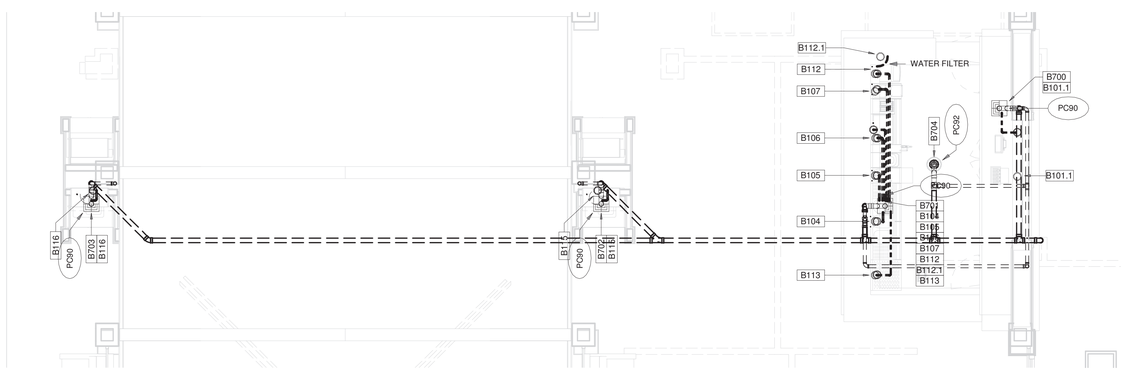


1 P4.03 CENTRAL KITCHEN - SANITARY SEWER/VENT PLAN
1/4" = 1'-0"



2 P4.03 COCKTAIL LOUNGE - SANITARY SEWER/VENT PLAN
1/4" = 1'-0"

CENTRAL KITCHEN - INDIRECT WASTE SCHEDULE

Item #	Qty	Description	Manufacturer	Model	Waste Size Indirect	Item #
K102.1	1	Cooler Evaporator, Double	RDT	Custom	3/4"	K102.1
K105.1	1	Freezer Evaporator, Double	RDT	Custom	3/4"	K105.1
K111.2	1	Prep Sink, Weld-In	Eagle Group	E24A	1 1/2"	K111.2
K115.2	1	Water Filter System, Combi	Rational	1900.1150US	3/4"	K115.2
K117	1	Tilting Skillet	Cleveland	SGL30T1	1 1/2"	K117
K118	1	Modular Base with Kettles	Cleveland	36GMK1010300	1 1/2"	K118
K126.1	1	Prep Sink, Weld-In	Eagle Group	E24A	1 1/2"	K126.1
K130	1	Two-Compartment Sink	Eagle Group	FN2032-2-36-14/3	1 1/2"	K130
K130.3	2	Waste Drain Valve, Twist Handle	T&S Brass	B-3940	2"	K130.3
K138.1	1	Prep Sink, Weld-In	Eagle Group	E20	1 1/2"	K138.1
K140	1	Cooking Suite H Frame	Vulcan	SUITE C	1/2"	K140
K140.1	1	Built-In Modular Warmers	Well	MOD-100TD	1/2"	K140.1
K140.7	1	Range Match Fryer	Vulcan	VFRY18	1 1/2"	K140.7
K140.9	2	Prep Table Refrigerator	Traulsen	UST3212-L	1/2"	K140.9
K142.4	1	Prep Sink, Weld-In	Eagle Group	E24A	1 1/2"	K142.4
K142.7	1	Drop-In, Hot/Cold	Vollrath	FC-6HC-03208-AD	3/4"	K142.7
K142.8	1	Refrigerated Cold Pans	Vollrath	FC-4C-01120-N	1"	K142.8
K156.2	1	Prep Sink, Weld-In	Eagle Group	E24A	1 1/2"	K156.2
K157	1	Rack Conveyor Dishwasher	Hobart	CL44EN-ADV+BUILDUP	2"	K157
K157.2	1	Water Filter System, Warewashing	Everpure	EV979911	3/4"	K157.2
K162	1	Four-Bowl Sink	Eagle Group	Custom	1 1/2"	K162
K162.3	4	Waste Drain Valve, Twist Handle	T&S Brass	B-3940	2"	K162.3
K163	1	Hose Reel	T&S Brass	B-7132-U03XS5	0"	K163
K171.1	1	Prep Sink, Weld-In	Eagle Group	E24A	1 1/2"	K171.1
K174	1	Water Filter System, Combination Applications	Everpure	EV933042	3/4"	K174
K176	1	Self Contained Ice Machine	Follett	HCC1010ABT	3/4"	K176
K184	1	Ice Machine	Manitowoc Ice	IYT0500A	1/2"	K184
K184.1	1	Ice Bin	Manitowoc Ice	D570	3/4"	K184.1
K184.2	1	Water Filter System, Ice Machine	Everpure	EV932422	3/4"	K184.2
K187	1	Prep Sink, Undermount	Eagle Group	SR14-16-9.5-1	1 1/2"	K187
K303	1	Soda Dispenser, 8 Valve	Lancer	IBD 4500	3/4"	K303
K311	1	Ice Cream Storage Cabinet	Master-Bilt	DC-2SSE	1"	K311

CENTRAL KITCHEN - DIRECT WASTE SCHEDULE

Item #	Qty	Description	Manufacturer	Model	Waste Size Direct	Item #
K112	1	Wall Mounted Hand Sink	Eagle Group	YSCOPOS-HSA-0001-00	1 1/2"	K112
K115	1	Electrical Combi-steamer	Rational	ICP 6-FULL E	2"	K115
K115.1	1	Electrical Combi-steamer	Rational	ICP 10-FULL E	2"	K115.1
K129	1	Wall Mounted Hand Sink	Eagle Group	YSCOPOS-HSA-0001-00	1 1/2"	K129
K155	1	Mop Sink	Eagle Group	F1916	2"	K155
K156.5	1	Disposer, Garbage	Salvajor	200-SA-WSP	2"	K156.5
K163	1	Hose Reel	T&S Brass	B-7132-U03XS5	0"	K163
K164	1	Wall Mounted Hand Sink	Eagle Group	YSCOPOS-HSA-0001-00	1 1/2"	K164
K168.1	1	Hand Sink, Weld-In	Eagle Group	E20	1 1/2"	K168.1
K178	1	Wall Mounted Hand Sink	Eagle Group	YSCOPOS-HSA-0002-00	1 1/2"	K178
K180	1	Hand Sink, Undermount	Eagle Group	SR10-14-5-1	1 1/2"	K180
K184.3	1	Anti-Splash Floor Trough Subway-Style Grating	Eagle Group	ASFT-1236-SG	4"	K184.3
K185	1	Anti-Splash Floor Trough Subway-Style Grating	Eagle Group	ASFT-1824-SG	4"	K185

SEE DRAWING QF-E300 FOR COMPLETE PLUMBING ROUGH-IN DETAILS

COCKTAIL LOUNGE / BAR - INDIRECT WASTE SCHEDULE

Item #	Qty	Description	Manufacturer	Model	Waste Size Indirect	Item #
B101	1	Back Bar Cooler	True	TBR48-RISZ1-L-S-GG-1	1/2"	B101
B101.1	1	Tee Tower Dispensing Head	Perlick	69526-4TTTF-R	1/2"	B101.1
B104	1	Three Compartment Bar Sink	Krowne Metal	KR19-53C	1 1/2"	B104
B106	1	Multistation	Krowne Metal	KR19-M36L-10	1"	B106
B107	1	Add-On Blender Station	Krowne Metal	KR24-12BD	1"	B107
B112	1	Ice Machine, Undercounter	Scotsman	CU0415MA-1	3/4"	B112
B112.1	1	Water Filter System, Ice	Everpure	EV932421	3/4"	B112.1
B113	1	Glass Storage	Krowne Metal	KR24-GSB3	1"	B113
B115	1	Drop-In, Water/Ice Station	Delfield	204	1"	B115
B116	1	Drop-In, Water/Ice Station	Delfield	204	1"	B116

COCKTAIL LOUNGE / BAR - DIRECT WASTE SCHEDULE

Item #	Qty	Description	Manufacturer	Model	Waste Size Direct	Item #
B105	1	Soap & Towel Hand Sink	Krowne Metal	KR24-12ST	1 1/2"	B105

SEE DRAWING QF-F200 FOR COMPLETE PLUMBING ROUGH-IN DETAILS

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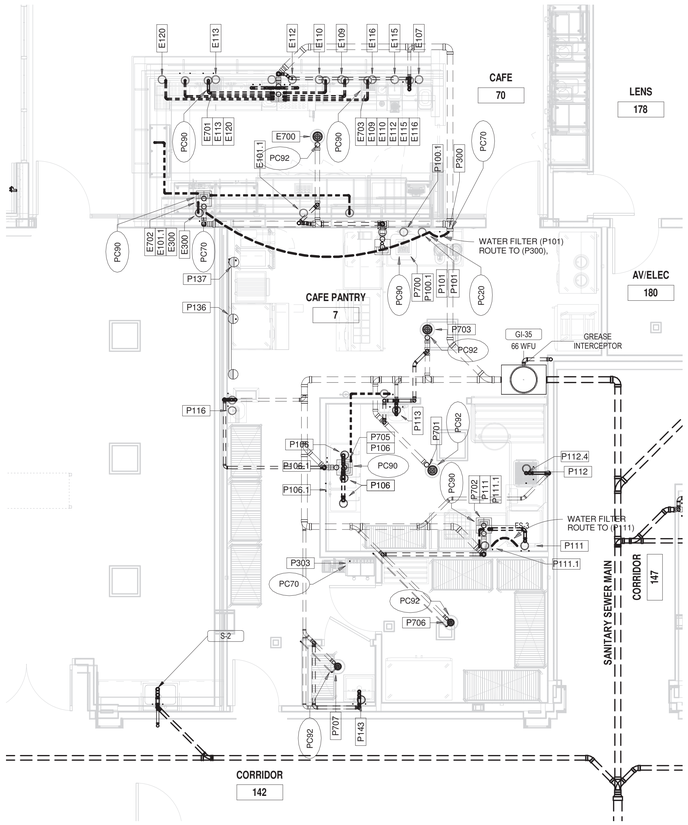


1 P4.04 CAFE/PANTRY - SANITARY SEWER/VENT PLAN
1/4" = 1'-0"

CAFE EQUIPMENT - DIRECT WASTE SCHEDULE

Item #	Qty	Description	Manufacturer	Model	Waste Size Direct	Item #
E107	1	Soap & Towel Hand Sink	Krowne Metal	KR24-12ST	1 1/2"	E107

CAFE EQUIPMENT - INDIRECT WASTE SCHEDULE

Item #	Qty	Description	Manufacturer	Model	Waste Size Indirect	Item #
E101.1	1	Tee Tower Dispensing Head	Perlick	69526-4TTTF-R	1/2"	E101.1
E109	1	Ice Bin	Krowne Metal	KR19-30-10	1"	E109
E110	1	Underbar Ice Bin	Krowne Metal	KR19-6	1"	E110
E112	1	Glass Rack Storage	Krowne Metal	KR24-GSB1	1"	E112
E113	1	Four Compartment Bar Sink	Krowne Metal	KR19-64C	1 1/2"	E113
E115	1	Add-On Blender Station	Krowne Metal	KR24-12BD	1"	E115
E116	1	Mixology Station	Krowne Metal	KR24-MD8	1"	E116
E120	1	Drainboard	Krowne Metal	KR24-GS12	1"	E120
E300	1	Espresso Machine	Verismo	701	1"	E300

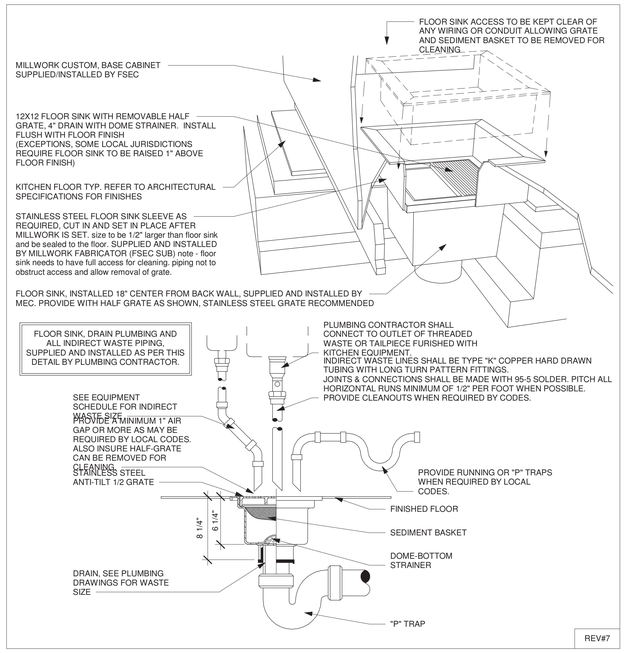
PANTRY EQUIPMENT - DIRECT WASTE SCHEDULE

Item #	Qty	Description	Manufacturer	Model	Waste Size Direct	Item #
P112.4	1	Disposer, Garbage	Salvajor	200-SA-WSP	2"	P112.4
P113	1	Wall Mounted Hand Sink	Eagle Group	YSCOPOS-HSA-0001-00	1 1/2"	P113
P116	1	Wall Mounted Hand Sink	Eagle Group	YSCOPOS-HSA-0001-00	1 1/2"	P116
P143	1	Mop Sink	Eagle Group	F1916	2"	P143

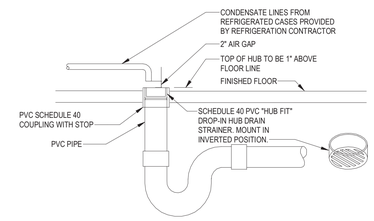
PANTRY EQUIPMENT - INDIRECT WASTE SCHEDULE

Item #	Qty	Description	Manufacturer	Model	Waste Size Indirect	Item #
P100.1	1	Prep Sink, Weld-In	Eagle Group	E24A	1 1/2"	P100.1
P101	1	Water Filter System, Combination Applications	Everpure	EV933042	3/4"	P101
P106	1	3-Bowl Compartment Sink	Eagle Group	Custom	1 1/2"	P106
P106.3	3	Waste Drain Valve, Twist Handle	T&S Brass	B-3940	2"	P106.3
P111	1	Warewasher	Hobart	AM15VLT-2	1 1/2"	P111
P111.1	1	Water Filter System, Warewashing	Everpure	EV979911	3/4"	P111.1

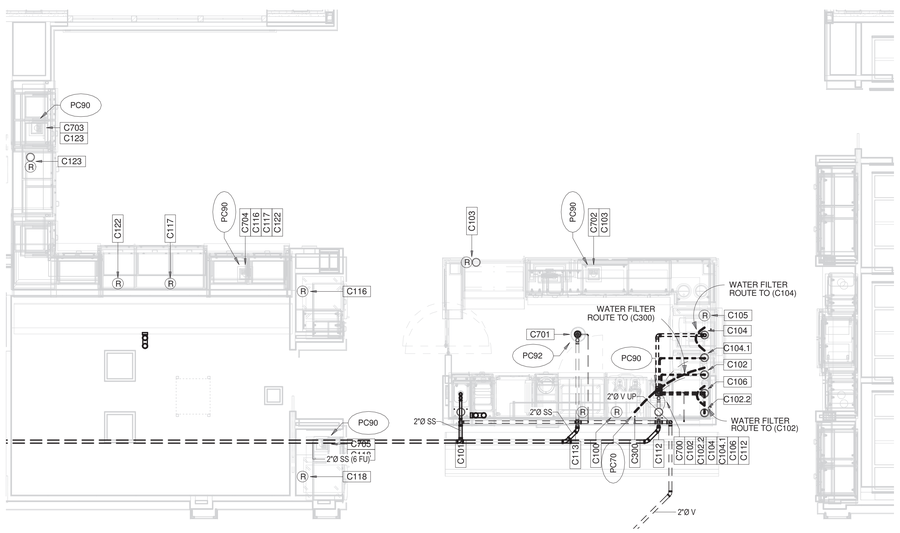
SEE DRAWING QF-B300 FOR COMPLETE PLUMBING ROUGH-IN DETAILS



2 P4.04 TYPICAL FLOOR SINK
1 1/2" = 1'-0"



5 P4.04 CONDENSATE DRAIN WITH RAISED HUB
1/8" = 1'-0"



3 P4.04 COFFEE SHOP - SANITARY SEWER/VENT PLAN
1/4" = 1'-0"

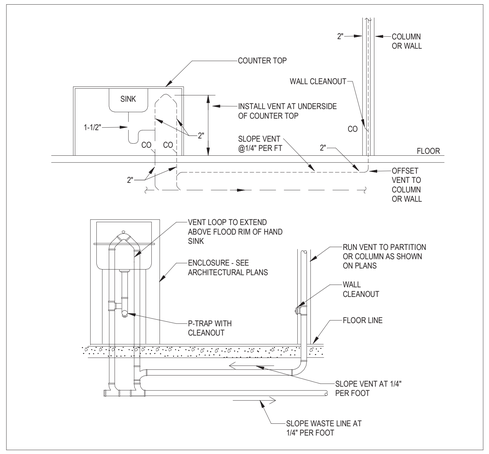
COFFEE SHOP - INDIRECT WASTE SCHEDULE

Item #	Qty	Description	Manufacturer	Model	Waste Size Indirect	Item #
C102	1	Ice Machine, Undercounter	Scotsman	CU0415MA-1	3/4"	C102
C102.2	1	Water Filter System, Ice Machine	Everpure	EV932401	3/8"	C102.2
C103	1	Refrigerated Service Case, Remote	Structural Concepts	NR4847RSV	3/4"	C103
C104	1	Espresso Machine	Rancilio Group	EGRO ONE-TOP MILK XP	2"	C104
C104.1	1	Water Filter System, Espresso	Everpure	EV929321	3/4"	C104.1
C106	1	Water Filter System, Coffee	Everpure	EV929302	3/4"	C106
C112	1	Prep Sink, Undermount	Eagle Group	SR14-16-9.5-1	1 1/2"	C112
C123	1	Refrigerated Case, Remote	Structural Concepts	B4732	3/4"	C123

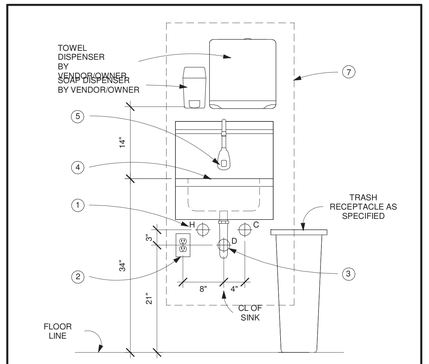
COFFEE SHOP - DIRECT WASTE SCHEDULE

Item #	Qty	Description	Manufacturer	Model	Waste Size Direct	Item #
C101	1	Hand Sink, Undermount	Eagle Group	SR10-14-5-1	1 1/2"	C101

SEE DRAWING QF-C300 FOR COMPLETE PLUMBING ROUGH-IN DETAILS



7 P4.04 ISLAND VENT PIPING DETAIL
1/8" = 1'-0"



4 P4.04 TYPICAL HAND SINK
1" = 1'-0"

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ENLARGED FOOD SERVICE PLANS II - SANITARY & VENTING

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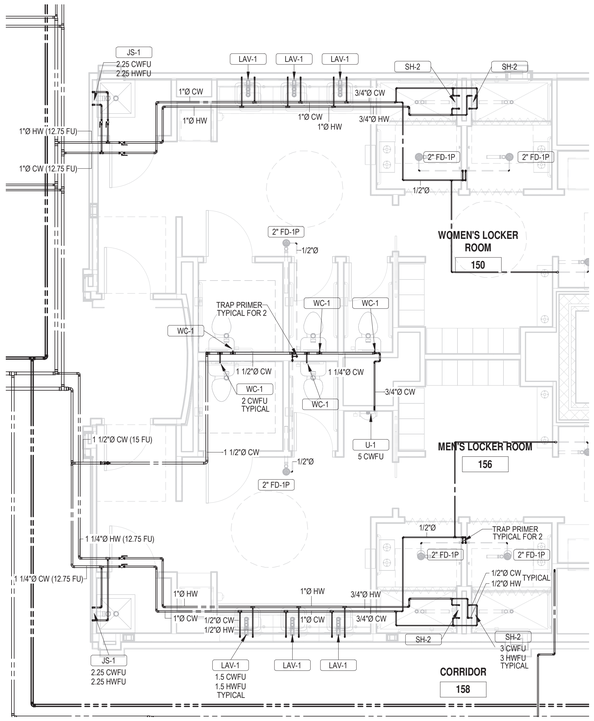
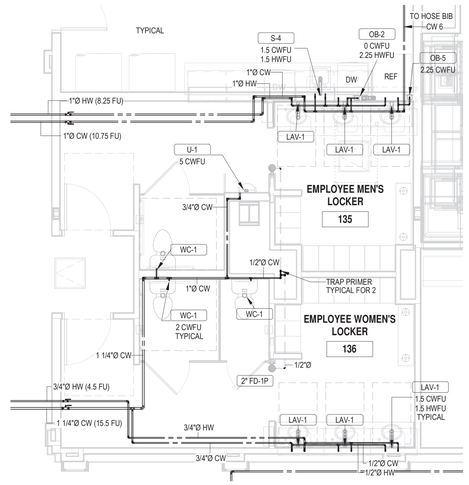
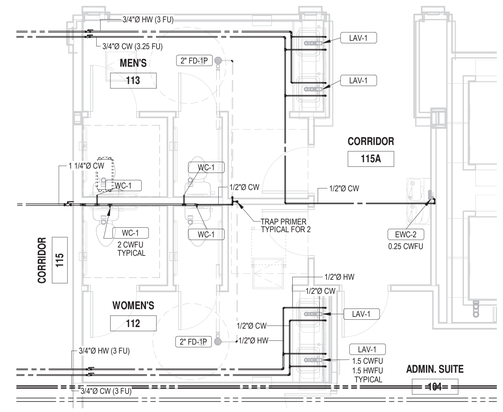


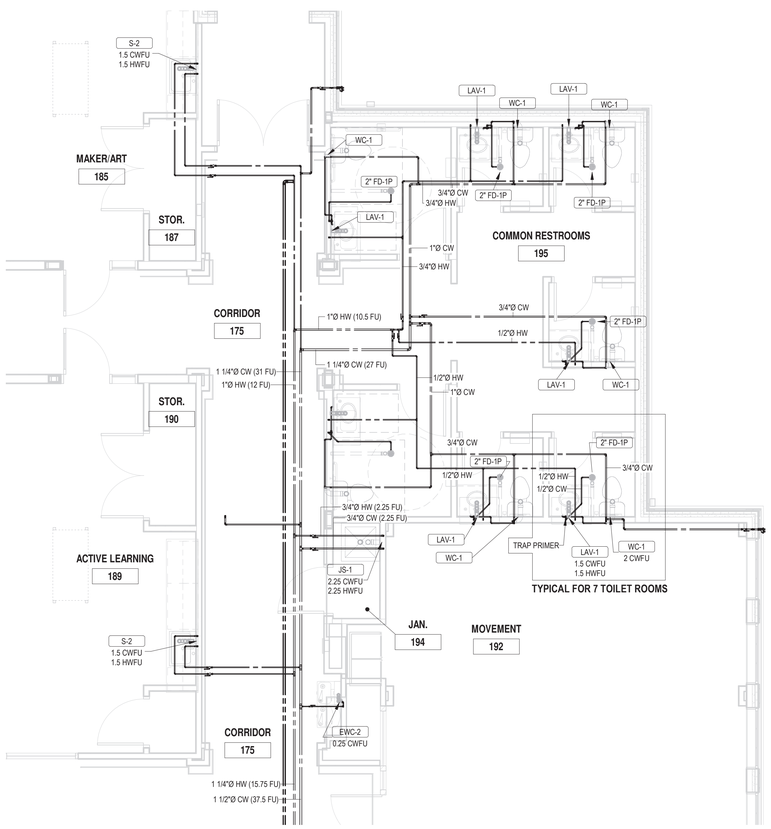
1 P4.05 COMMON LOCKER ROOMS - DOMESTIC WATER PLAN
1/4" = 1'-0"



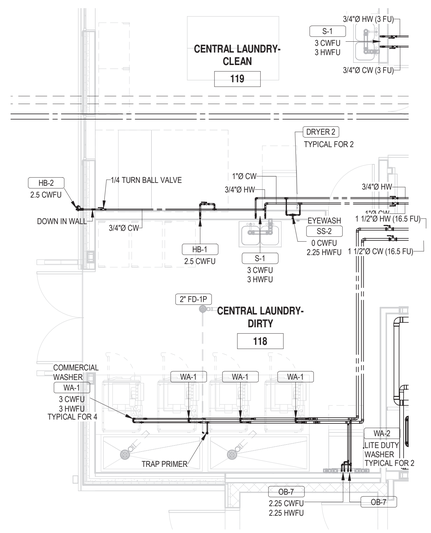
3 P4.05 EMPLOYEE LOCKER ROOMS - DOMESTIC WATER PLAN
1/4" = 1'-0"



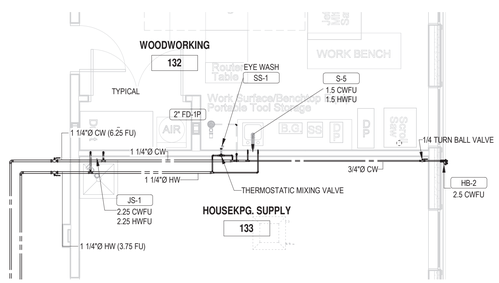
5 P4.05 MEN'S 113, WOMEN'S 112 - DOMESTIC WATER PLANS
1/4" = 1'-0"



2 P4.05 COMMON RESTROOMS 195 - DOMESTIC WATER PLAN
1/4" = 1'-0"



4 P4.05 LAUNDRY 118 - DOMESTIC WATER PLAN
1/4" = 1'-0"



6 P4.05 WOODWORKING 132 - DOMESTIC WATER PLAN
1/4" = 1'-0"

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ENLARGED PLUMBING PLANS I - DOMESTIC WATER PIPING

P4.05

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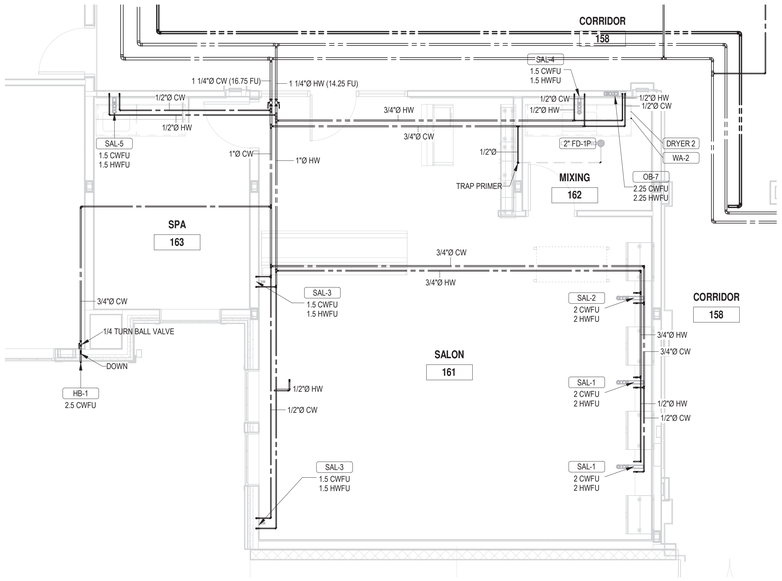
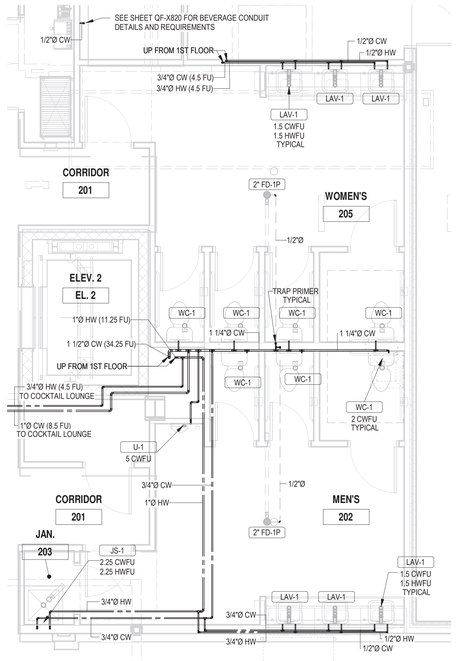
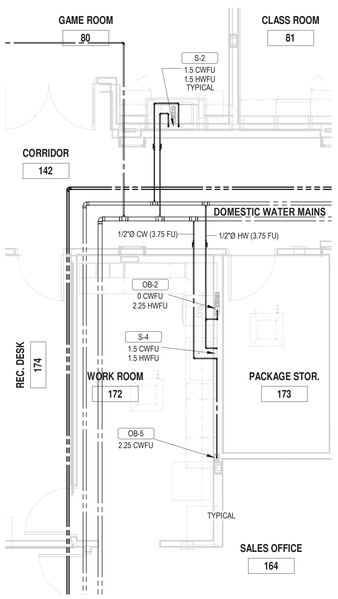


1 P4.06 SALON 161 - DOMESTIC WATER PLAN
1/4" = 1'-0"



3 P4.06 WOMENS 205, MENS 202 - DOMESTIC WATER PLAN
1/4" = 1'-0"



2 P4.06 ENLARGED WORK ROOM 172 - DOMESTIC WATER PLAN
1/4" = 1'-0"

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ENLARGED PLUMBING PLANS II - DOMESTIC WATER PIPING

P4.06

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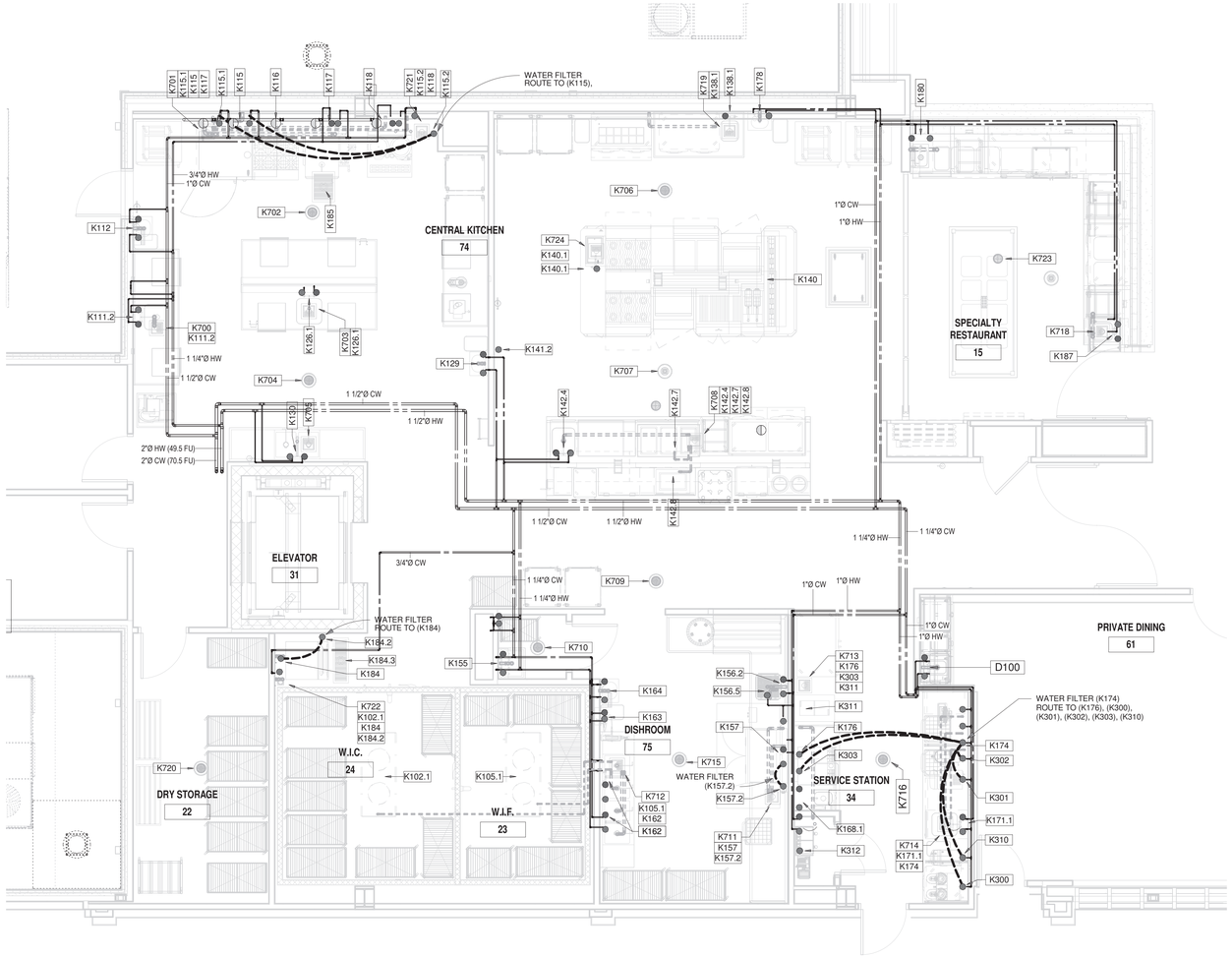
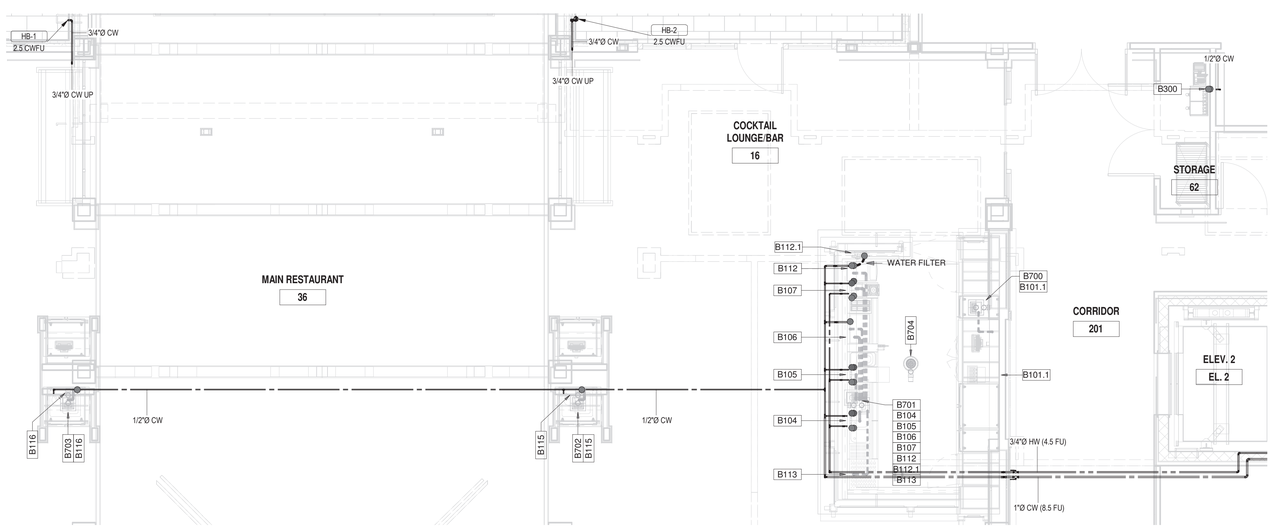


1 CENTRAL KITCHEN - DOMESTIC WATER PLAN
P4.07 1/4" = 1'-0"

CENTRAL KITCHEN - DOMESTIC WATER SCHEDULE

Item #	Qty	Description	Manufacturer	Model	Water Size Cold	Water Size Hot	Item #
K111.3	1	Deck Mount Mixing Faucet	T&S Brass	B-0221-CR	1/2"	1/2"	K111.3
K112.1	1	Electronic Faucet w/ Hydro-Generator	T&S Brass	EC-3101-HG	1/2"	1/2"	K112.1
K115	1	Electrical Combi-steamer	Rational	ICP 6-FULL E	3/4"		K115
K115.1	1	Electrical Combi-steamer	Rational	ICP 10-FULL E	3/4"		K115.1
K115.2	1	Water Filter System, Combi	Rational	1900.1150US	3/4"		K115.2
K117	1	Tilting Skillet	Cleveland	SGL30T1	1/2"	1/2"	K117
K118	1	Modular Base with Kettles	Cleveland	36GMK1010300	3/8"	3/8"	K118
K126.2	1	Deck Mount Mixing Faucet	T&S Brass	B-0221-CR	1/2"	1/2"	K126.2
K129.1	1	Electronic Faucet w/ Hydro-Generator	T&S Brass	EC-3101-HG	1/2"	1/2"	K129.1
K130.2	1	Pre-Rinse Faucet, Wall Mount	T&S Brass	B-0133-CR-VBJSK	1/2"	1/2"	K130.2
K138.2	1	Deck Mount Mixing Faucet	T&S Brass	B-0221-CR	1/2"	1/2"	K138.2
K140	1	Cooking Suite H Frame	Vulcan	SUITE C	1/2"		K140
K140.2	1	Faucet, Deck Mount	T&S Brass	B-0208	1/2"	1/2"	K140.2
K140.9	2	Prep Table Refrigerator	Traulsen	UST3212-L	1/2"		K140.9
K141.2	1	CORE Fire Protection System	Captive-Aire	Custom	1/2"		K141.2
K142.5	1	Deck Mount Mixing Faucet	T&S Brass	B-0221-CR	1/2"	1/2"	K142.5
K155.1	1	Pre-Rinse Faucet, Wall Mount	T&S Brass	B-2465	1/2"	1/2"	K155.1
K156.3	1	Pre-Rinse Faucet, Wall Mount	T&S Brass	B-0133-CR-VBJSK	1/2"	1/2"	K156.3
K156.5	1	Disposer, Garbage	Salvajor	200-SA-WSP	1/2"		K156.5
K157	1	Rack Conveyor Dishwasher	Hobart	CL44EN-ADV+BUILD UP	1/2"	1/2"	K157
K157.2	1	Water Filter System, Warewashing	Everpure	EV979911	3/4"		K157.2
K163	1	Hose Reel	T&S Brass	B-7132-U03XS5	0"	0"	K163
K164.1	1	Electronic Faucet w/ Hydro-Generator	T&S Brass	EC-3101-HG	1/2"	1/2"	K164.1
K168.2	1	Electronic Faucet	T&S Brass	EC-3100-HG	1/2"	1/2"	K168.2
K171.2	1	Faucet, Deck Mount	T&S Brass	B-0325-CR-WH4	1/2"	1/2"	K171.2
K174	1	Water Filter System, Combination Applications	Everpure	EV933042	3/4"		K174
K176	1	Self Contained Ice Machine	Follett	HCC1010ABT	3/8"		K176
K178.1	1	Electronic Faucet w/ Hydro-Generator	T&S Brass	EC-3101-HG	1/2"	1/2"	K178.1
K180.1	1	Electronic Faucet	T&S Brass	EC-3100-HG	1/2"	1/2"	K180.1
K184	1	Ice Machine	Manitowoc Ice	IY70500A	3/8"		K184
K184.2	1	Water Filter System, Ice Machine	Everpure	EV932422	3/4"		K184.2
K187.1	1	Faucet, Deck Mount	T&S Brass	B-0325-CR-WH4	1/2"	1/2"	K187.1
K300	1	Coffee Brewer	Bunn	34600.0001	3/8"		K300
K301	1	Juice Dispenser	Bunn	37300.0002	3/8"		K301
K302	1	Iced Tea Brewer	Bunn	36700.0009	1/4"		K302
K303	1	Soda Dispenser, 8 Valve	Lancer	IBD 4500	3/8"		K303
K310	1	Dispenser, Liquid Coffee Concentrate	Bunn	34400.0001	3/8"		K310
K312	1	Bag-N-Box System	By Vendor	By Vendor	1/2"		K312

SEE DRAWING QF-E300 FOR COMPLETE PLUMBING ROUGH-IN DETAILS



2 COCKTAIL LOUNGE - DOMESTIC WATER PLAN
P4.07 1/4" = 1'-0"

COFFEE SHOP - DOMESTIC WATER SCHEDULE

Item #	Qty	Description	Manufacturer	Model	Water Size Cold	Water Size Hot	Item #
C101.1	1	Electronic Faucet	T&S Brass	EC-3100-HG	1/2"	1/2"	C101.1
C102	1	Ice Machine, Undercounter	Scotsman	CU0415MA-1	1/4"		C102
C102.2	1	Water Filter System, Ice Machine	Everpure	EV932401	3/8"		C102.2
C104	1	Espresso Machine	Rancilio Group	EGRO ONE-TOP MILK XP	3/8"		C104
C104.1	1	Water Filter System, Espresso	Everpure	EV929321	3/4"		C104.1
C106	1	Water Filter System, Coffee	Everpure	EV929302	3/4"		C106
C112.1	1	Faucet, Deck Mount	T&S Brass	B-0325-CR-WH4	1/2"	1/2"	C112.1
C300	1	Coffee Brewer	Bunn	23001.0006	1/4"		C300

SEE DRAWING QF-C300 FOR COMPLETE PLUMBING ROUGH-IN DETAILS

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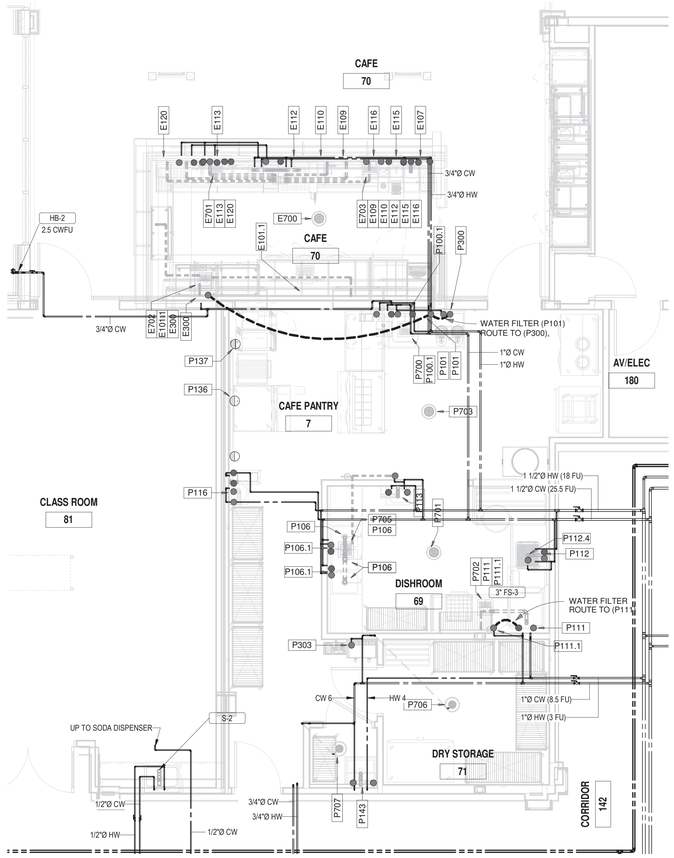


1 P4.08 CAFE/PANTRY - DOMESTIC WATER PLAN
1/4" = 1'-0"

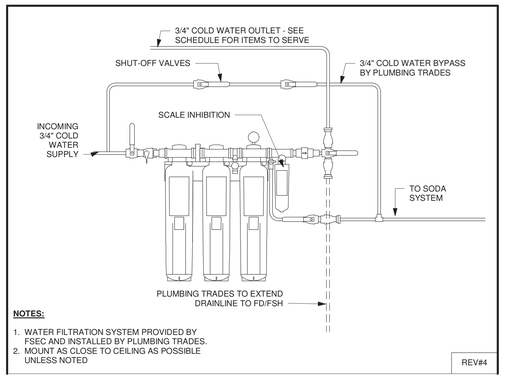
CAFE EQUIPMENT - DOMESTIC WATER

Item #	Qty	Description	Manufacturer	Model	Water Size Cold	Water Size Hot	Item #
E107	1	Soap & Towel Hand Sink	Krowne Metal	KR24-12ST	1/2"	1/2"	E107
E109	1	Ice Bin	Krowne Metal	KR19-30-10	1/2"	1/2"	E109
E113	1	Four Compartment Bar Sink	Krowne Metal	KR19-64C	1/2"	1/2"	E113
E115	1	Add-On Blender Station	Krowne Metal	KR24-12BD	1/2"	1/2"	E115
E116	1	Mixology Station	Krowne Metal	KR24-MD8	1/2"	1/2"	E116
E300	1	Espresso Machine	Verismo	701	3/8"		E300

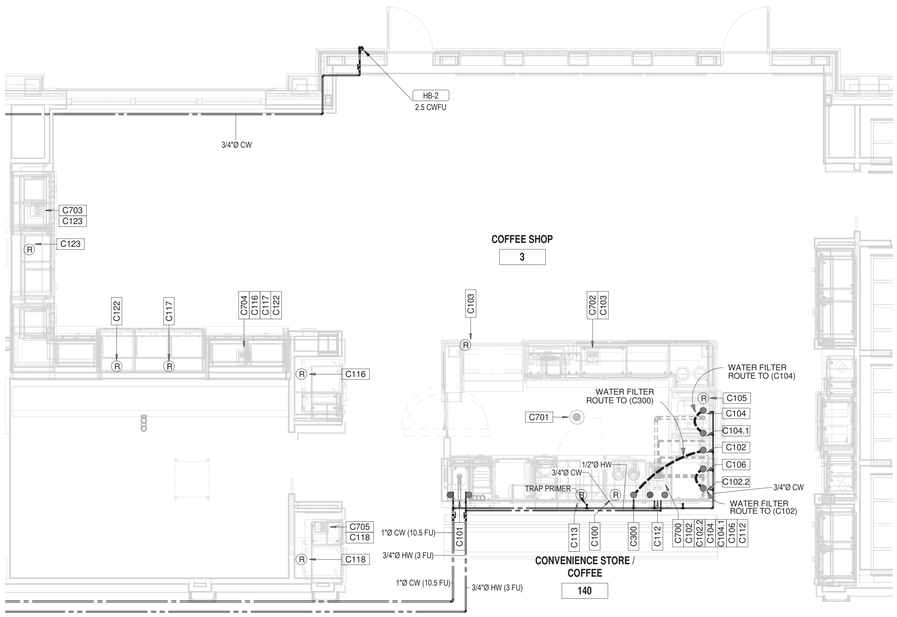
PANTRY EQUIPMENT DOMESTIC WATER SCHEDULE

Item #	Qty	Description	Manufacturer	Model	Water Size Cold	Water Size Hot	Item #
P100.2	1	Deck Mount Mixing Faucet	T&S Brass	B-0221-CR	1/2"	1/2"	P100.2
P101	1	Water Filter System, Combination Applications	Everpure	EV933042	3/4"		P101
P106.1	1	Deck Mount Mixing Faucet	T&S Brass	B-0221-CR	1/2"	1/2"	P106.1
P106.2	1	Pre-Rinse Faucet, Deck Mount	T&S Brass	B-0113-CR-BJ-ST	1/2"	1/2"	P106.2
P111	1	Warewasher	Hobart	AM15VLT-2	1/2"	1/2"	P111
P111.1	1	Water Filter System, Warewashing	Everpure	EV979911	3/4"		P111.1
P112.2	1	Pre-Rinse Faucet, Wall Mount	T&S Brass	B-0133-CR-VBJS K	1/2"	1/2"	P112.2
P112.4	1	Disposer, Garbage	Salvajor	200-SA-WSP	1/2"		P112.4
P113.1	1	Electronic Faucet w/ Hydro-Generator	T&S Brass	EC-3101-HG	1/2"	1/2"	P113.1
P116.1	1	Electronic Faucet w/ Hydro-Generator	T&S Brass	EC-3101-HG	1/2"	1/2"	P116.1
P143.1	1	Mop Sink Faucet	T&S Brass	B-2465	1/2"	1/2"	P143.1
P300	1	Coffee Maker	Bunn	34600.0000	3/8"		P300
P303	1	Bag-N-Box System	By Vendor	By Vendor	1/2"		P303

SEE DRAWING QF-B300 FOR COMPLETE PLUMBING ROUGH-IN DETAILS



3 P4.08 WATER FILTER SYSTEM
1" = 1'-0"



2 P4.08 COFFEE SHOP - DOMESTIC WATER PLAN
1/4" = 1'-0"

COFFEE SHOP - DOMESTIC WATER SCHEDULE

Item #	Qty	Description	Manufacturer	Model	Water Size Cold	Water Size Hot	Item #
C101.1	1	Electronic Faucet	T&S Brass	EC-3100-HG	1/2"	1/2"	C101.1
C102	1	Ice Machine, Undercounter	Scotsman	CU0415MA-1	1/4"		C102
C102.2	1	Water Filter System, Ice Machine	Everpure	EV932401	3/8"		C102.2
C104	1	Espresso Machine	Rancilio Group	EGRO ONE-TOP MILK XP	3/8"		C104
C104.1	1	Water Filter System, Espresso	Everpure	EV929321	3/4"		C104.1
C106	1	Water Filter System, Coffee	Everpure	EV929302	3/4"		C106
C112.1	1	Faucet, Deck Mount	T&S Brass	B-0325-CR-WH4	1/2"	1/2"	C112.1
C300	1	Coffee Brewer	Bunn	23001.0006	1/4"		C300

SEE DRAWING QF-C300 FOR COMPLETE PLUMBING ROUGH-IN DETAILS

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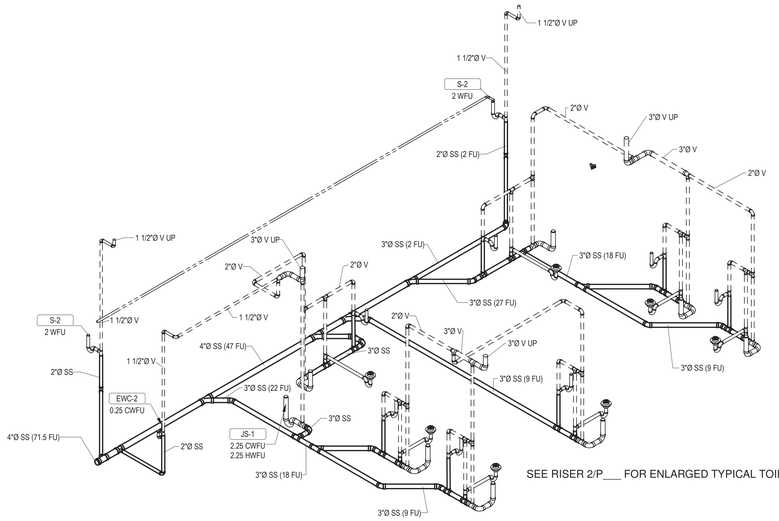
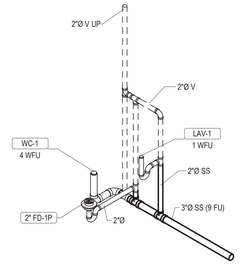
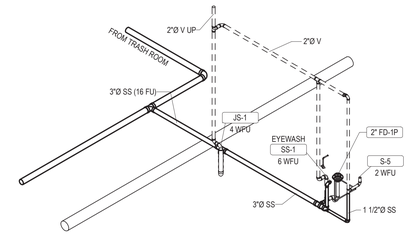


SEE RISER 2/P___ FOR ENLARGED TYPICAL TOILET ROOM

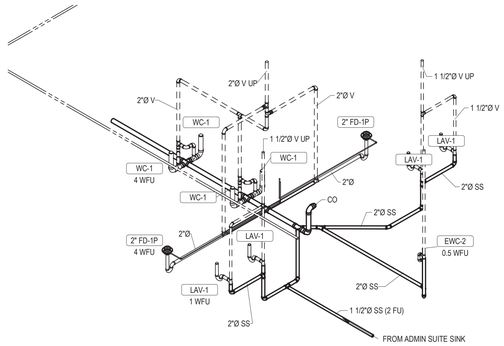
1 P5.01 COMMON RESTROOMS 195 - SANITARY SEWER/VENT RISER



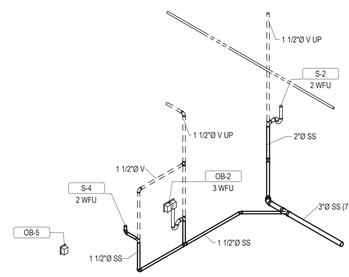
2 P5.01 TYPICAL SINGLE W.C. - SANITARY/VENT RISER



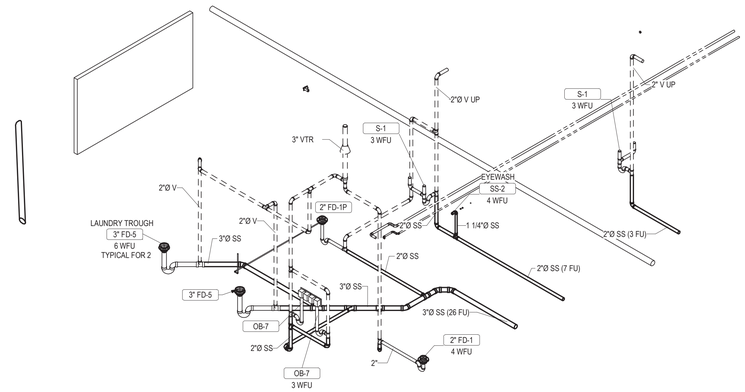
5 P5.01 WOODWORKING 132 - SANITARY SEWER/VENT RISER



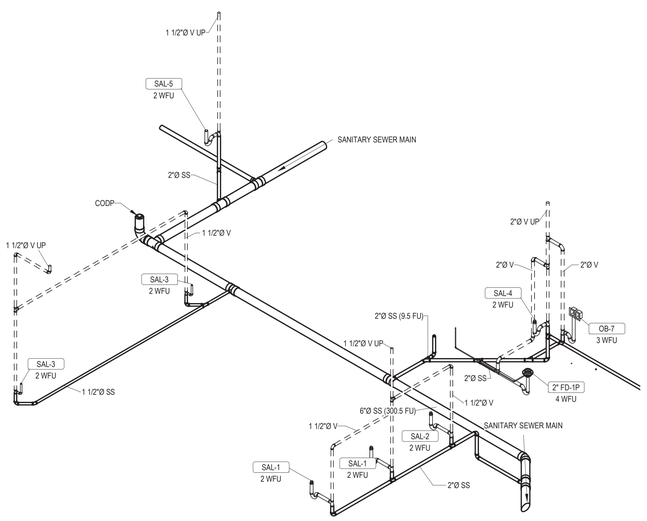
3 P5.01 MEN'S 113, WOMEN'S 112 - SANITARY SEWER/VENT RISER



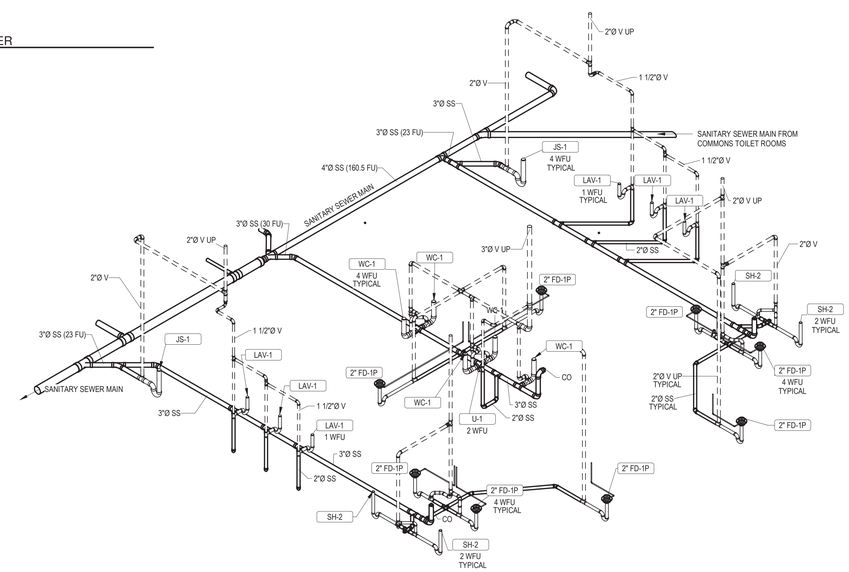
6 P5.01 ENLARGED WORK ROOM 172 - SANITARY SEWER/VENT RISER



8 P5.01 LAUNDRY 118 - SANITARY SEWER/VENT RISER



4 P5.01 SALON 161 - SANITARY SEWER/VENT RISER



7 P5.01 MEN'S LOCKER 156, WOMEN'S LOCKER 150 - SANITARY SEWER/VENT RISER

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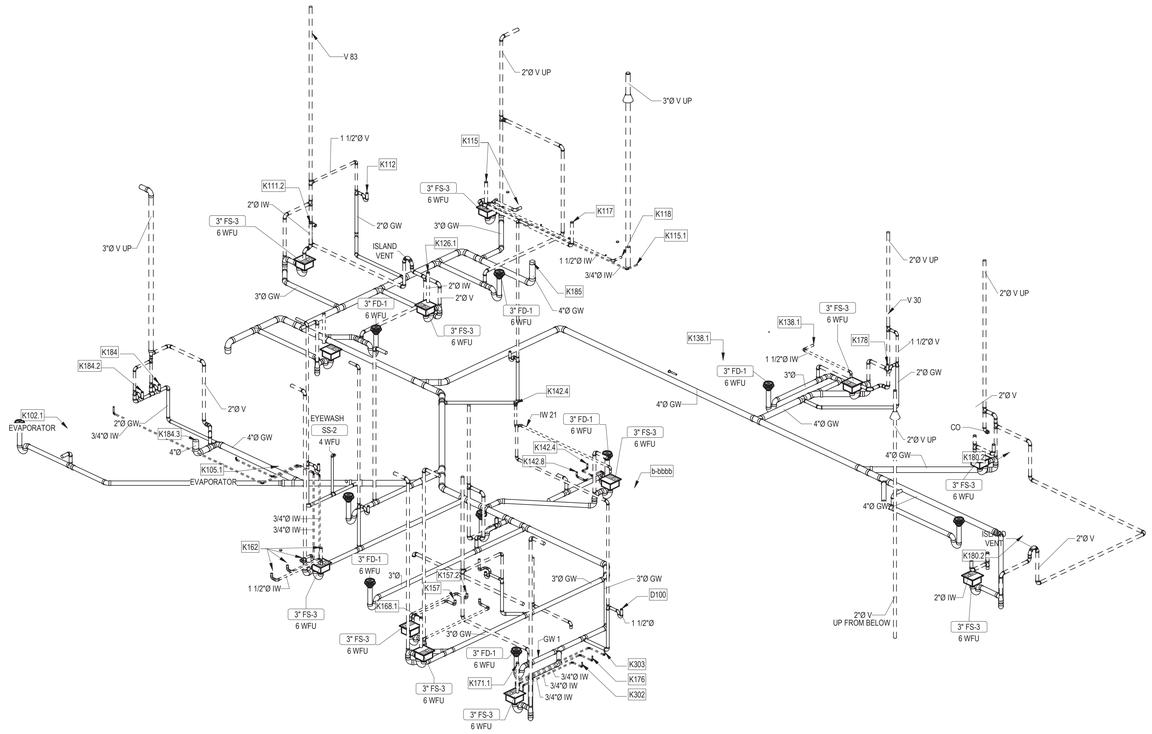


1 P5.02 CENTRAL KITCHEN - SANITARY SEWER/VENT RISER

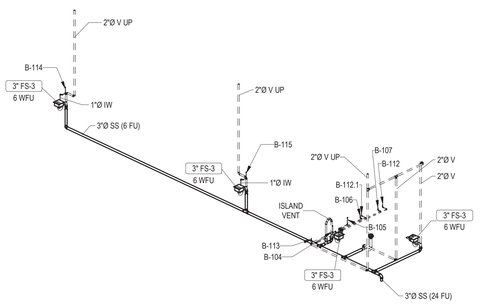
CENTRAL KITCHEN - DIRECT WASTE SCHEDULE

Item #	Qty	Description	Manufacturer	Model	Waste Size Direct	Item #
K112	1	Wall Mounted Hand Sink	Eagle Group	YSCOPOS-HSA-0001-00	1 1/2"	K112
K115	1	Electrical Combi-steamer	Rational	ICP 6-FULL E	2"	K115
K115.1	1	Electrical Combi-steamer	Rational	ICP 10-FULL E	2"	K115.1
K129	1	Wall Mounted Hand Sink	Eagle Group	YSCOPOS-HSA-0001-00	1 1/2"	K129
K155	1	Mop Sink	Eagle Group	F1916	2"	K155
K156.5	1	Disposer, Garbage	Salvajor	200-SA-WSP	2"	K156.5
K163	1	Hose Reel	T&S Brass	B-7132-U03XS5	0"	K163
K164	1	Wall Mounted Hand Sink	Eagle Group	YSCOPOS-HSA-0001-00	1 1/2"	K164
K168.1	1	Hand Sink, Weld-In	Eagle Group	E20	1 1/2"	K168.1
K178	1	Wall Mounted Hand Sink	Eagle Group	YSCOPOS-HSA-0002-00	1 1/2"	K178
K180	1	Hand Sink, Undermount	Eagle Group	SR10-14-5-1	1 1/2"	K180
K184.3	1	Anti-Splash Floor Trough Subway-Style Grating	Eagle Group	ASFT-1236-SG	4"	K184.3
K185	1	Anti-Splash Floor Trough Subway-Style Grating	Eagle Group	ASFT-1824-SG	4"	K185

CENTRAL KITCHEN - INDIRECT WASTE SCHEDULE

Item #	Qty	Description	Manufacturer	Model	Waste Size Indirect	Item #
K102.1	1	Cooler Evaporator, Double	RDT	Custom	3/4"	K102.1
K105.1	1	Freezer Evaporator, Double	RDT	Custom	3/4"	K105.1
K111.2	1	Prep Sink, Weld-In	Eagle Group	E24A	1 1/2"	K111.2
K115.2	1	Water Filter System, Combi	Rational	1900.1150US	3/4"	K115.2
K117	1	Tilting Skillet	Cleveland	SGL30T1	1 1/2"	K117
K118	1	Modular Base with Kettles	Cleveland	36GMK1010300	1 1/2"	K118
K126.1	1	Prep Sink, Weld-In	Eagle Group	E24A	1 1/2"	K126.1
K130	1	Two-Compartment Sink	Eagle Group	FN2032-2-36-14/3	1 1/2"	K130
K130.3	2	Waste Drain Valve, Twist Handle	T&S Brass	B-3940	2"	K130.3
K138.1	1	Prep Sink, Weld-In	Eagle Group	E20	1 1/2"	K138.1
K140	1	Cooking Suite H Frame	Vulcan	SUITE C	1/2"	K140
K140.1	1	Built-In Modular Warmers	Well	MOD-100TD	1/2"	K140.1
K140.7	1	Range Match Fryer	Vulcan	VFRY18	1 1/2"	K140.7
K140.9	2	Prep Table Refrigerator	Traulsen	UST3212-L	1/2"	K140.9
K142.4	1	Prep Sink, Weld-In	Eagle Group	E24A	1 1/2"	K142.4
K142.7	1	Drop-In, Hot/Cold	Vollrath	FC-6HC-03208-AD	3/4"	K142.7
K142.8	1	Refrigerated Cold Pans	Vollrath	FC-4C-01120-N	1"	K142.8
K156.2	1	Prep Sink, Weld-In	Eagle Group	E24A	1 1/2"	K156.2
K157	1	Rack Conveyor Dishwasher	Hobart	CL44EN-ADV+BUILDUP	2"	K157
K157.2	1	Water Filter System, Warewashing	Everpure	EV979911	3/4"	K157.2
K162	1	Four-Bowl Sink	Eagle Group	Custom	1 1/2"	K162
K162.3	4	Waste Drain Valve, Twist Handle	T&S Brass	B-3940	2"	K162.3
K163	1	Hose Reel	T&S Brass	B-7132-U03XS5	0"	K163
K171.1	1	Prep Sink, Weld-In	Eagle Group	E24A	1 1/2"	K171.1
K174	1	Water Filter System, Combination Applications	Everpure	EV933042	3/4"	K174
K176	1	Self Contained Ice Machine	Follett	HCC1010ABT	3/4"	K176
K184	1	Ice Machine	Manitowoc Ice	IYT0500A	1/2"	K184
K184.1	1	Ice Bin	Manitowoc Ice	D570	3/4"	K184.1
K184.2	1	Water Filter System, Ice Machine	Everpure	EV932422	3/4"	K184.2
K187	1	Prep Sink, Undermount	Eagle Group	SR14-16-9.5-1	1 1/2"	K187
K303	1	Soda Dispenser, 8 Valve	Lancer	IBD 4500	3/4"	K303
K311	1	Ice Cream Storage Cabinet	Master-Bilt	DC-2SSE	1"	K311

SEE DRAWING QF-E300 FOR COMPLETE PLUMBING ROUGH-IN DETAILS



2 P5.02 COCKTAIL LOUNGE - SANITARY SEWER/VENT RISER

COCKTAIL LOUNGE / BAR - DIRECT WASTE SCHEDULE

Item #	Qty	Description	Manufacturer	Model	Waste Size Direct	Item #
B105	1	Soap & Towel Hand Sink	Krowne Metal	KR24-12ST	1 1/2"	B105

COCKTAIL LOUNGE / BAR - INDIRECT WASTE SCHEDULE

Item #	Qty	Description	Manufacturer	Model	Waste Size Indirect	Item #
B101	1	Back Bar Cooler	True	TBR48-RISZ1-L-S-GG-1	1/2"	B101
B101.1	1	Tee Tower Dispensing Head	Perlick	69526-4TTTF-R	1/2"	B101.1
B104	1	Three Compartment Bar Sink	Krowne Metal	KR19-53C	1 1/2"	B104
B106	1	Multistation	Krowne Metal	KR19-M36L-10	1"	B106
B107	1	Add-On Blender Station	Krowne Metal	KR24-12BD	1"	B107
B112	1	Ice Machine, Undercounter	Scotsman	CU0415MA-1	3/4"	B112
B112.1	1	Water Filter System, Ice	Everpure	EV932421	3/4"	B112.1
B113	1	Glass Storage	Krowne Metal	KR24-GSB3	1"	B113
B115	1	Drop-In, Water/Ice Station	Delfield	204	1"	B115
B116	1	Drop-In, Water/Ice Station	Delfield	204	1"	B116

SEE DRAWING QF-F200 FOR COMPLETE PLUMBING ROUGH-IN DETAILS

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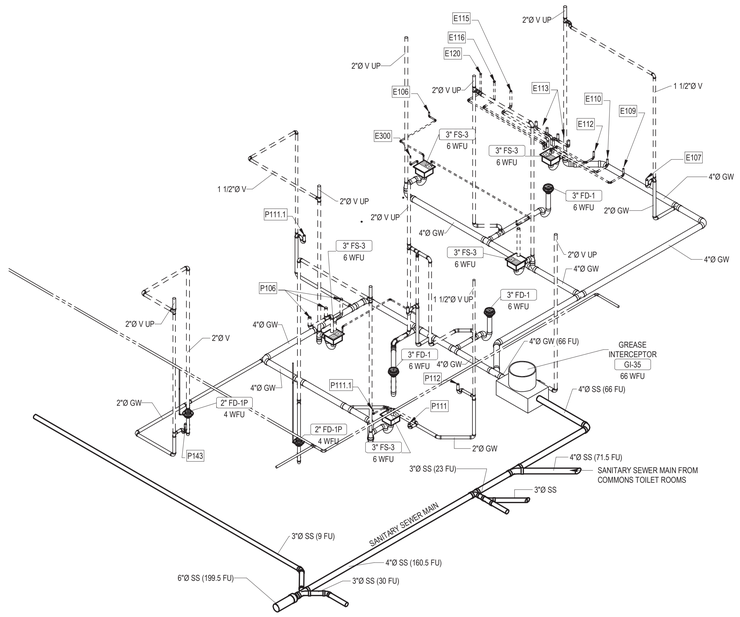


1 P5.03 CAFE/PANTRY - SANITARY SEWER/VENT RISER

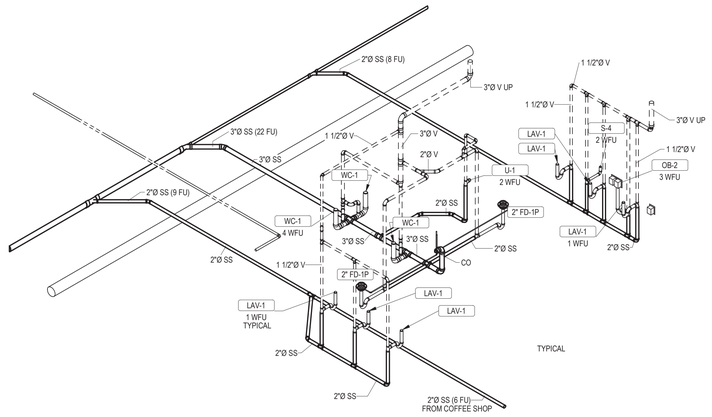
CAFE EQUIPMENT - DIRECT WASTE SCHEDULE

Item #	Qty	Description	Manufacturer	Model	Waste Size Direct	Item #
E107	1	Soap & Towel Hand Sink	Krowne Metal	KR24-12ST	1 1/2"	E107

CAFE EQUIPMENT - INDIRECT WASTE SCHEDULE

Item #	Qty	Description	Manufacturer	Model	Waste Size Indirect	Item #
E101.1	1	Tee Tower Dispensing Head	Perlick	69526-4TTTF-R	1/2"	E101.1
E109	1	Ice Bin	Krowne Metal	KR19-30-10	1"	E109
E110	1	Underbar Ice Bin	Krowne Metal	KR19-6	1"	E110
E112	1	Glass Rack Storage	Krowne Metal	KR24-GSB1	1"	E112
E113	1	Four Compartment Bar Sink	Krowne Metal	KR19-64C	1 1/2"	E113
E115	1	Add-On Blender Station	Krowne Metal	KR24-12BD	1"	E115
E116	1	Mixology Station	Krowne Metal	KR24-MD8	1"	E116
E120	1	Drainboard	Krowne Metal	KR24-GS12	1"	E120
E300	1	Espresso Machine	Verismo	701	1"	E300

SEE DRAWING QF-B300 FOR COMPLETE PLUMBING ROUGH-IN DETAILS



3 P5.03 EMPLOYEE LOCKER ROOMS - SANITARY SEWER/VENT RISER

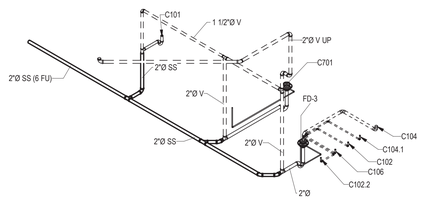
COFFEE SHOP - DIRECT WASTE SCHEDULE

Item #	Qty	Description	Manufacturer	Model	Waste Size Direct	Item #
C101	1	Hand Sink, Undermount	Eagle Group	SR10-14-5-1	1 1/2"	C101

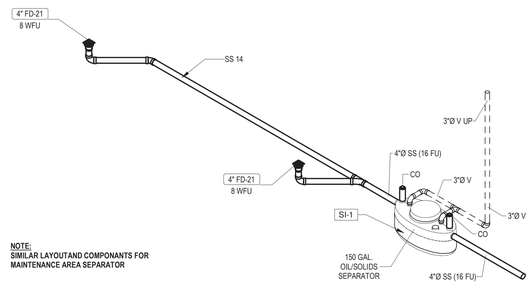
COFFEE SHOP - INDIRECT WASTE SCHEDULE

Item #	Qty	Description	Manufacturer	Model	Waste Size Indirect	Item #
C102	1	Ice Machine, Undercounter	Scotsman	CU0415MA-1	3/4"	C102
C102.2	1	Water Filter System, Ice Machine	Everpure	EVS32401	3/8"	C102.2
C103	1	Refrigerated Service Case, Remote	Structural Concepts	NR4847RSV	3/4"	C103
C104	1	Espresso Machine	Rancilio Group	EGRO ONE-TOP MILK XP	2"	C104
C104.1	1	Water Filter System, Espresso	Everpure	EVS29321	3/4"	C104.1
C106	1	Water Filter System, Coffee	Everpure	EVS29302	3/4"	C106
C112	1	Prep Sink, Undermount	Eagle Group	SR14-16-9.5-1	1 1/2"	C112
C123	1	Refrigerated Case, Remote	Structural Concepts	B4732	3/4"	C123

SEE DRAWING QF-C300 FOR COMPLETE PLUMBING ROUGH-IN DETAILS



2 P5.03 COFFEE SHOP - SANITARY SEWER/VENT RISER



NOTE:
SIMILAR LAYOUTAND COMPONANTS FOR MAINTENANCE AREA SEPARATOR

4 P5.03 3D - 1 TRASH SSV

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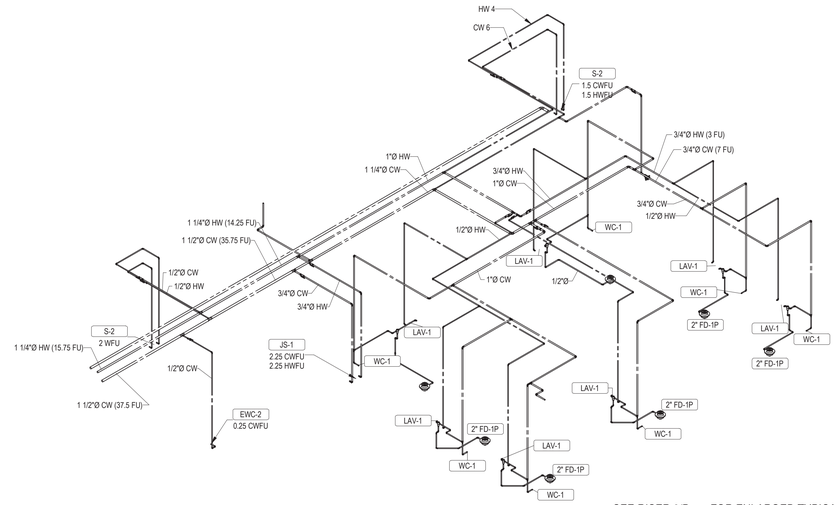
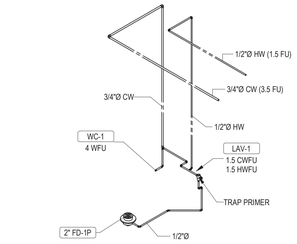
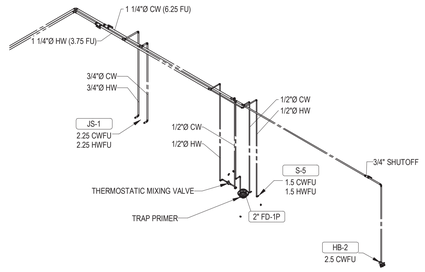


SEE RISER 2/P___ FOR ENLARGED TYPICAL TOILET ROOM

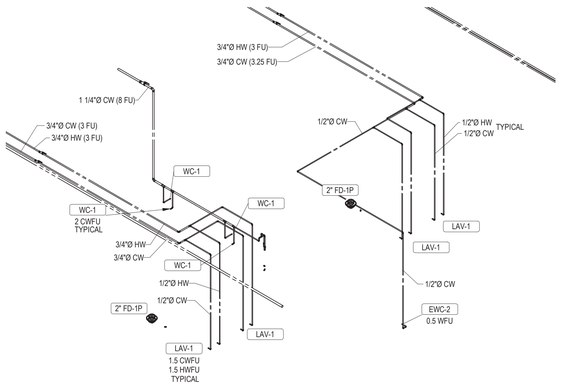
1 P5.04 COMMON RESTROOMS 195 - DOMESTIC WATER RISER



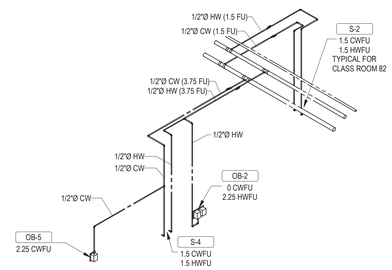
2 P5.04 TYPICAL SINGLE TOILET ROOM - DOMESTIC WATER RISER



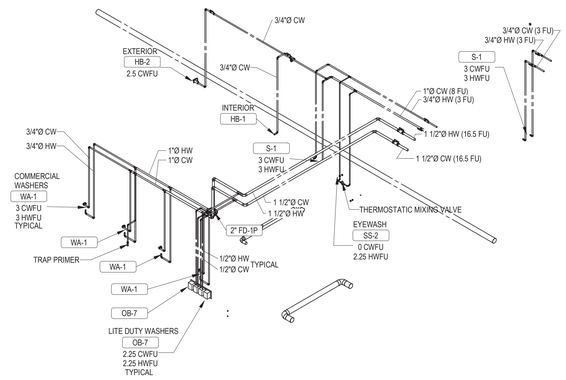
5 P5.04 WOODWORKING 132 - DOMESTIC WATER RISER



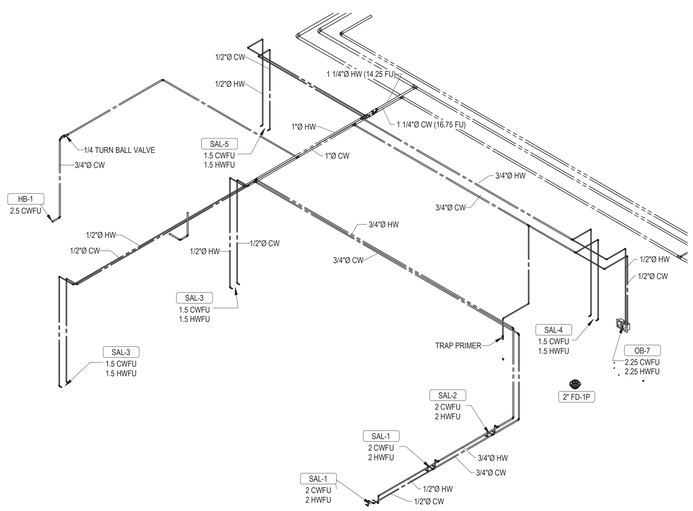
3 P5.04 MEN'S 113, WOMEN'S 112 - DOMESTIC WATER RISERS



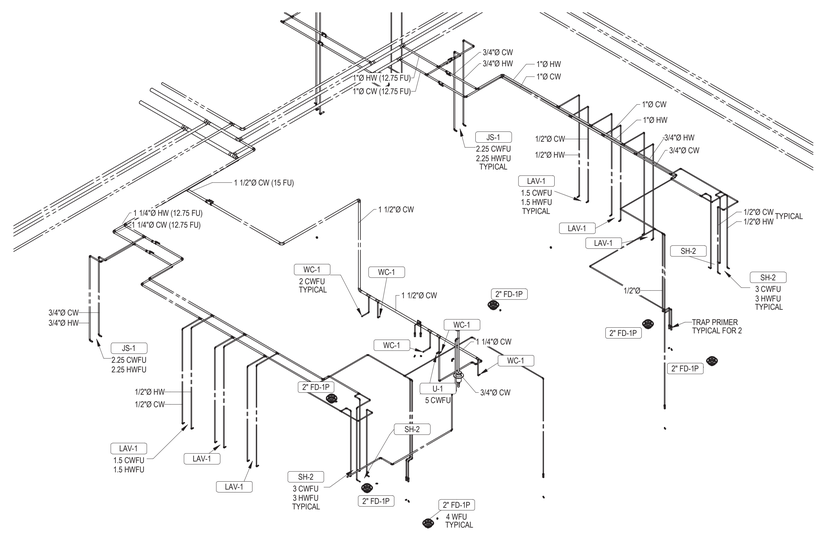
6 P5.04 ENLARGED WORK ROOM 172 - DOMESTIC WATER RISER



8 P5.04 LAUNDRY 118 - DOMESTIC WATER RISER



4 P5.04 SALON 161 - DOMESTIC WATER RISER



7 P5.04 COMMON LOCKER ROOMS - SANITARY SEWER/VENT RISER

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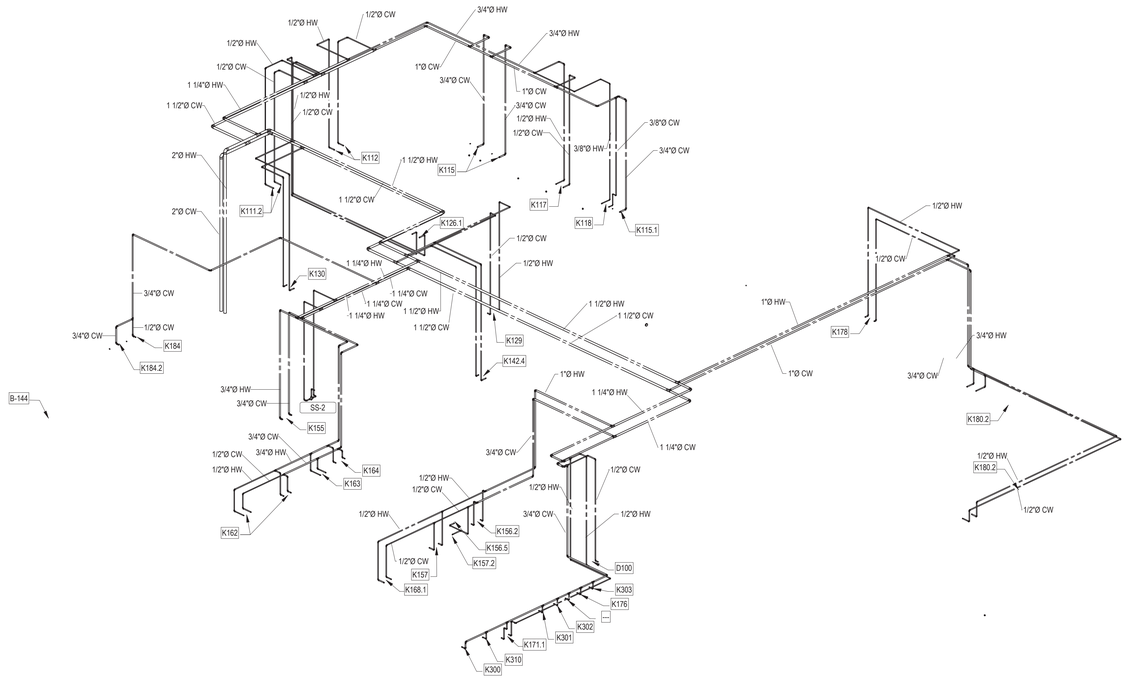
CENTRAL KITCHEN - DOMESTIC WATER SCHEDULE

Item #	Qty	Description	Manufacturer	Model	Water Size Cold	Water Size Hot	Item #
K111.3	1	Deck Mount Mixing Faucet	T&S Brass	B-0221-CR	1/2"	1/2"	K111.3
K112.1	1	Electronic Faucet w/ Hydro-Generator	T&S Brass	EC-3101-HG	1/2"	1/2"	K112.1
K115	1	Electrical Combi-steamer	Rational	ICP 6-FULL E	3/4"		K115
K115.1	1	Electrical Combi-steamer	Rational	ICP 10-FULL E	3/4"		K115.1
K115.2	1	Water Filter System, Combi	Rational	1900.1150US	3/4"		K115.2
K117	1	Tilting Skillet	Cleveland	SGL30TI	1/2"	1/2"	K117
K118	1	Modular Base with Kettles	Cleveland	36GMK1010300	3/8"	3/8"	K118
K126.2	1	Deck Mount Mixing Faucet	T&S Brass	B-0221-CR	1/2"	1/2"	K126.2
K129.1	1	Electronic Faucet w/ Hydro-Generator	T&S Brass	EC-3101-HG	1/2"	1/2"	K129.1
K130.2	1	Pre-Rinse Faucet, Wall Mount	T&S Brass	B-0133-CR-VBJSK	1/2"	1/2"	K130.2
K138.2	1	Deck Mount Mixing Faucet	T&S Brass	B-0221-CR	1/2"	1/2"	K138.2
K140	1	Cooking Suite H Frame	Vulcan	SUITE C	1/2"		K140
K140.2	1	Faucet, Deck Mount	T&S Brass	B-0208	1/2"	1/2"	K140.2
K140.9	2	Prep Table Refrigerator	Traulsen	UST3212-L	1/2"		K140.9
K141.2	1	CORE Fire Protection System	Captive-Aire	Custom	1/2"		K141.2
K142.5	1	Deck Mount Mixing Faucet	T&S Brass	B-0221-CR	1/2"	1/2"	K142.5
K155.1	1	Pre-Rinse Faucet, Wall Mount	T&S Brass	B-2465	1/2"	1/2"	K155.1
K156.3	1	Pre-Rinse Faucet, Wall Mount	T&S Brass	B-0133-CR-VBJSK	1/2"	1/2"	K156.3
K156.5	1	Disposer, Garbage	Salvajor	200-SA-WSP	1/2"		K156.5
K157	1	Rack Conveyor Dishwasher	Hobart	CL44EN-ADV+BUILD UP	1/2"	1/2"	K157
K157.2	1	Water Filter System, Warewashing	Everpure	EV979911	3/4"		K157.2
K163	1	Hose Reel	T&S Brass	B-7132-U03XS5	0"	0"	K163
K164.1	1	Electronic Faucet w/ Hydro-Generator	T&S Brass	EC-3101-HG	1/2"	1/2"	K164.1
K168.2	1	Electronic Faucet	T&S Brass	EC-3100-HG	1/2"	1/2"	K168.2
K171.2	1	Faucet, Deck Mount	T&S Brass	B-0325-CR-WH4	1/2"	1/2"	K171.2
K174	1	Water Filter System, Combination Applications	Everpure	EV933042	3/4"		K174
K176	1	Self Contained Ice Machine	Follett	HCC1010ABT	3/8"		K176
K178.1	1	Electronic Faucet w/ Hydro-Generator	T&S Brass	EC-3101-HG	1/2"	1/2"	K178.1
K180.1	1	Electronic Faucet	T&S Brass	EC-3100-HG	1/2"	1/2"	K180.1
K184	1	Ice Machine	Manitowoc Ice	IYT0500A	3/8"		K184
K184.2	1	Water Filter System, Ice Machine	Everpure	EV932422	3/4"		K184.2
K187.1	1	Faucet, Deck Mount	T&S Brass	B-0325-CR-WH4	1/2"	1/2"	K187.1
K300	1	Coffee Brewer	Bunn	34600.0001	3/8"		K300
K301	1	Juice Dispenser	Bunn	37300.0002	3/8"		K301
K302	1	Iced Tea Brewer	Bunn	36700.0009	1/4"		K302
K303	1	Soda Dispenser, 8 Valve	Lancer	IBD 4500	3/8"		K303
K310	1	Dispenser, Liquid Coffee Concentrate	Bunn	34400.0001	3/8"		K310
K312	1	Bag-N-Box System	By Vendor	By Vendor	1/2"		K312

SEE DRAWING QF-E300 FOR COMPLETE PLUMBING ROUGH-IN DETAILS

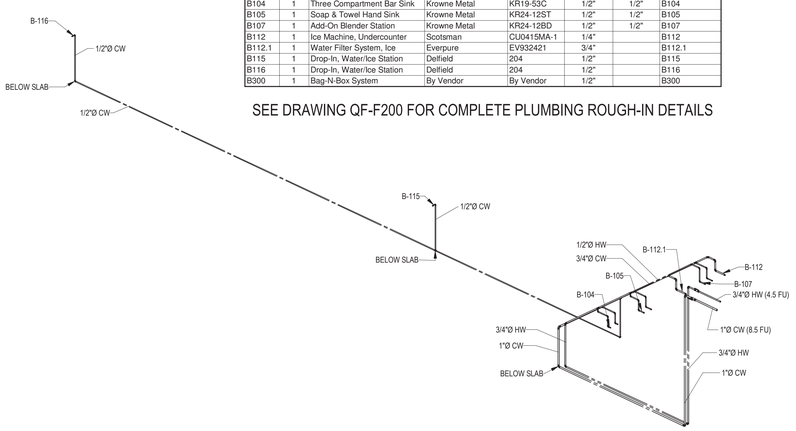


1 P5.05 CENTRAL KITCHEN - DOMETIC WATER RISER

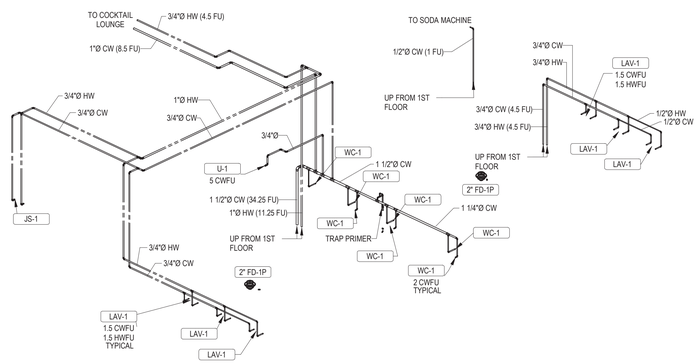
COCKTAIL LOUNGE / BAR - DOMESTIC WATER SCHEDULE

Item #	Qty	Description	Manufacturer	Model	Water Size Cold	Water Size Hot	Item #
B104	1	Three Compartment Bar Sink	Krowne Metal	KR19-53C	1/2"	1/2"	B104
B105	1	Soap & Towel Hand Sink	Krowne Metal	KR24-12ST	1/2"	1/2"	B105
B107	1	Add-On Blender Station	Krowne Metal	KR24-12BD	1/2"	1/2"	B107
B112	1	Ice Machine, Undercounter	Scotsman	CU0415MA-1	1/4"		B112
B112.1	1	Water Filter System, Ice	Everpure	EV932421	3/4"		B112.1
B115	1	Drop-In, Water/Ice Station	Delfield	204	1/2"		B115
B116	1	Drop-In, Water/Ice Station	Delfield	204	1/2"		B116
B300	1	Bag-N-Box System	By Vendor	By Vendor	1/2"		B300

SEE DRAWING QF-F200 FOR COMPLETE PLUMBING ROUGH-IN DETAILS



2 P5.05 COCKTAIL LOUNGE - DOMETIC WATER RISER



3 P5.05 WOMENS 205, MENS 202 - DOMETIC WATER RISER

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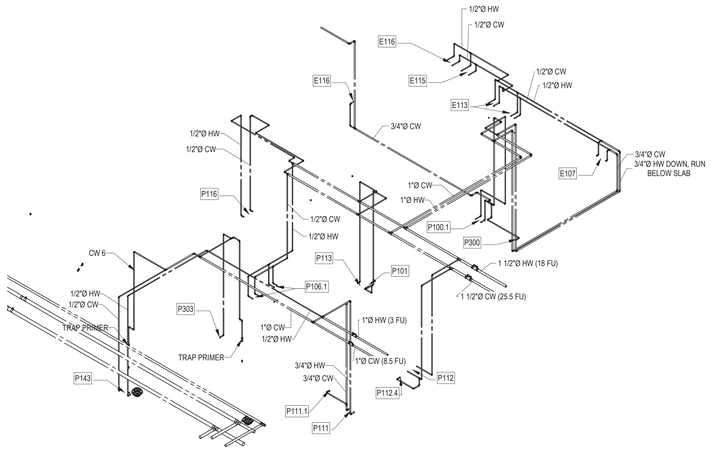


1 P5.06 CAFE/PANTRY - DOMESTIC WATER RISER

CAFE EQUIPMENT - DOMESTIC WATER

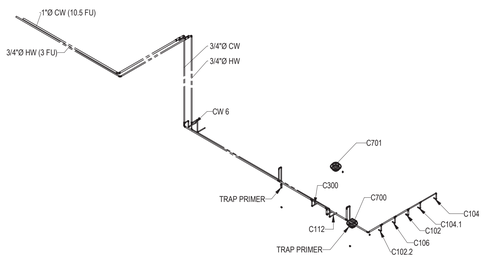
Item #	Qty	Description	Manufacturer	Model	Water Size Cold	Water Size Hot	Item #
E107	1	Soap & Towel Hand Sink	Krowne Metal	KR24-12ST	1/2"	1/2"	E107
E109	1	Ice Bin	Krowne Metal	KR19-30-10	1/2"	1/2"	E109
E113	1	Four Compartment Bar Sink	Krowne Metal	KR19-64C	1/2"	1/2"	E113
E115	1	Add-On Blender Station	Krowne Metal	KR24-12BD	1/2"	1/2"	E115
E116	1	Mixology Station	Krowne Metal	KR24-MD8	1/2"	1/2"	E116
E300	1	Espresso Machine	Verismo	701	3/8"		E300

SEE DRAWING QF-B300 FOR COMPLETE PLUMBING ROUGH-IN DETAILS

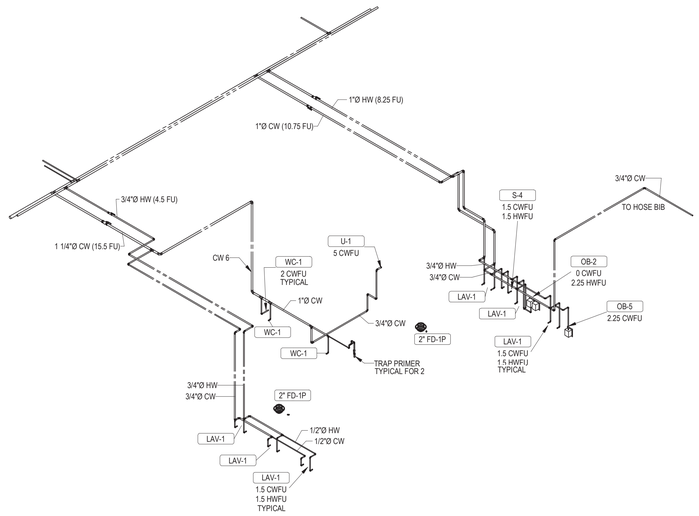
COFFEE SHOP - DOMESTIC WATER SCHEDULE

Item #	Qty	Description	Manufacturer	Model	Water Size Cold	Water Size Hot	Item #
C101.1	1	Electronic Faucet	T&S Brass	EC-3100-HG	1/2"	1/2"	C101.1
C102	1	Ice Machine, Undercounter	Scotsman	CU0415MA-1	1/4"		C102
C102.2	1	Water Filter System, Ice Machine	Everpure	EV932401	3/8"		C102.2
C104	1	Espresso Machine	Rancilio Group	EGRO ONE-TOP MILK XP	3/8"		C104
C104.1	1	Water Filter System, Espresso	Everpure	EV929321	3/4"		C104.1
C106	1	Water Filter System, Coffee	Everpure	EV929302	3/4"		C106
C112.1	1	Faucet, Deck Mount,	T&S Brass	B-0325-CR-WH4	1/2"	1/2"	C112.1
C300	1	Coffee Brewer	Bunn	23001.0006	1/4"		C300

SEE DRAWING QF-C300 FOR COMPLETE PLUMBING ROUGH-IN DETAILS



2 P5.06 COFFEE SHOP - DOMESTIC WATER RISER



3 P5.06 EMPLOYEE LOCKER ROOMS - DOMESTIC WATER RISER

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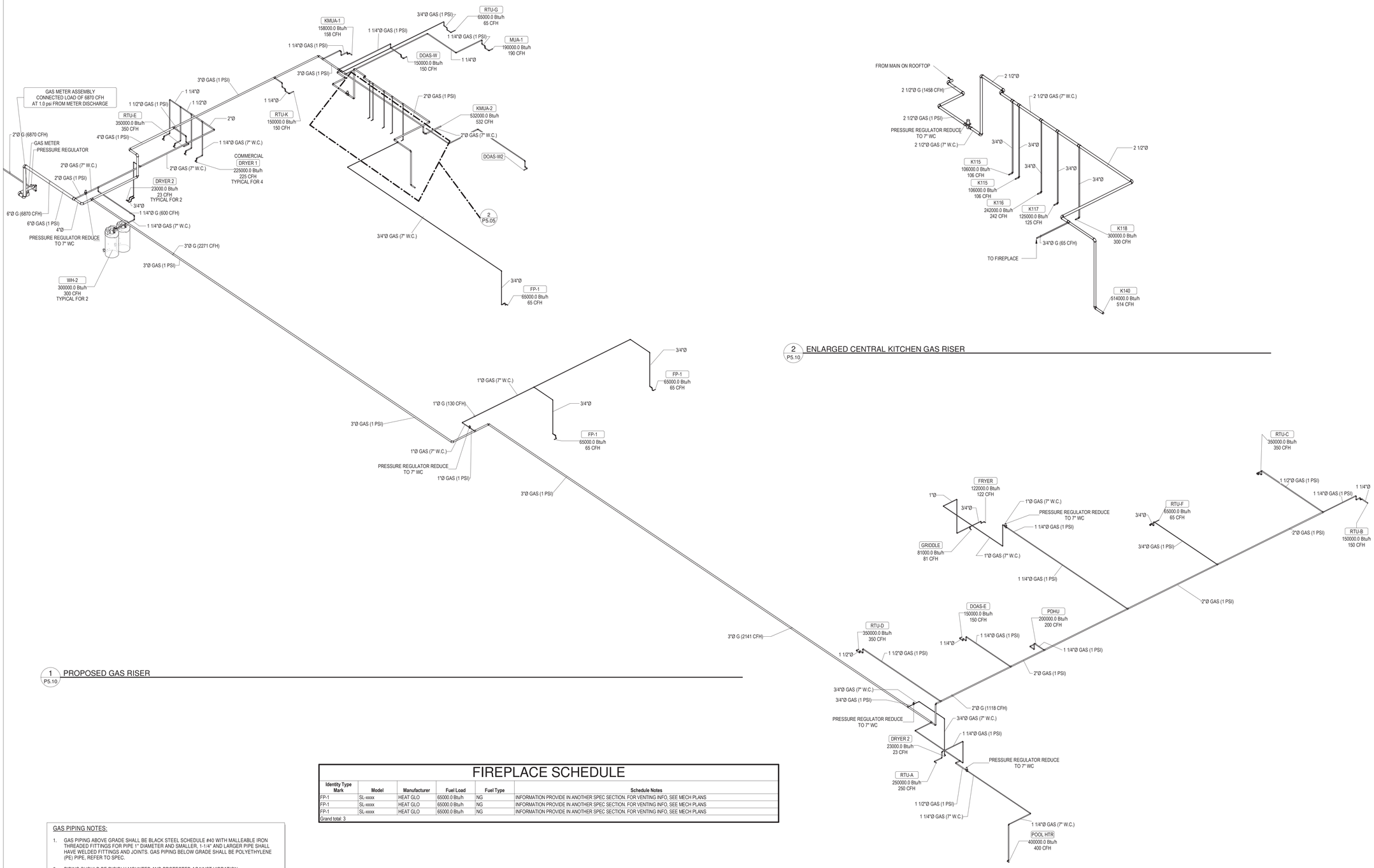


1 P5.10 PROPOSED GAS RISER

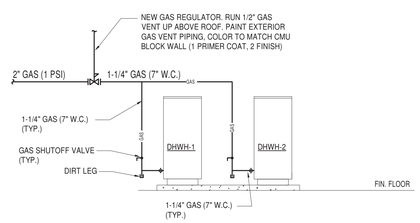
2 P5.10 ENLARGED CENTRAL KITCHEN GAS RISER

FIREPLACE SCHEDULE

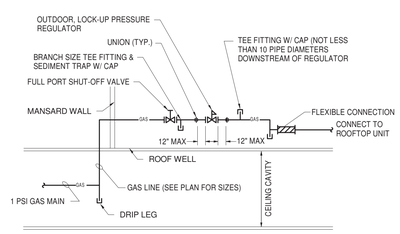
Identity Type Mark	Model	Manufacturer	Fuel Load	Fuel Type	Schedule Notes
FP-1	SL-xxxx	HEAT GLO	65000.0 Btu/h	NG	INFORMATION PROVIDE IN ANOTHER SPEC SECTION. FOR VENTING INFO, SEE MECH PLANS
FP-1	SL-xxxx	HEAT GLO	65000.0 Btu/h	NG	INFORMATION PROVIDE IN ANOTHER SPEC SECTION. FOR VENTING INFO, SEE MECH PLANS
FP-1	SL-xxxx	HEAT GLO	65000.0 Btu/h	NG	INFORMATION PROVIDE IN ANOTHER SPEC SECTION. FOR VENTING INFO, SEE MECH PLANS
Grand total: 3					

GAS PIPING NOTES:

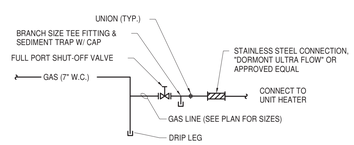
1. GAS PIPING ABOVE GRADE SHALL BE BLACK STEEL SCHEDULE #40 WITH MALLEABLE IRON THREADED FITTINGS FOR PIPE 1" DIAMETER AND SMALLER, 1-1/4" AND LARGER PIPE SHALL HAVE WELDED FITTINGS AND JOINTS. GAS PIPING BELOW GRADE SHALL BE POLYETHYLENE (PE) PIPE, REFER TO SPEC.
2. PIPING SHOULD BE RIGIDLY MOUNTED AND PROTECTED AGAINST VIBRATION.
3. INSTALL AN APPROVED LENGTH OF FLEXIBLE FUEL HOSE BETWEEN THE GENERATOR FUEL LINE CONNECTION POINT AND RIGID PIPING. THE FLEXIBLE CONNECTION SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 536 AND SHALL BE INSTALLED IN COMPLIANCE WITH ITS LABEL AND THE MANUFACTURER'S INSTALLATION INSTRUCTION.
4. INSTALL NORMALLY CLOSED NATURAL GAS SOLENOID VALVE (LISTED SAFETY SHUT OFF VALVE).
5. INSTALL BOTH MANUAL AND ELECTRIC (BATTERY-POWERED) SHUT OFF VALVE AHEAD OF THE FLEXIBLE FUEL HOSE. THE MANUAL VALVE SHALL BE THE INDICATING TYPE.
6. INSTALLED PIPING MUST BE PROPERLY PURGED AND LEAK TESTED, IN ACCORDANCE WITH APPLICABLE STANDARDS.
7. CONTRACTOR IS REQUIRED TO COORDINATE W/ LOCAL UTILITY COMPANY TO PROVIDE MIN. GAS PRESSURE OF 1/2 PSI. CONTRACTOR IS RESPONSIBLE FOR ALL COSTS.
8. ALL GAS PRESSURE REGULATORS SHALL BE LOCKUP TYPE.
9. PROVIDE GAS SHUTOFF BALL VALVES FOR PIPE SIZES 2-1/2" & SMALLER. PROVIDE PLUG TYPE SHUTOFF VALVES FOR PIPE SIZES 3" & LARGER.
10. ALL INDOOR GAS PIPING SHALL BE PAINTED YELLOW (1 PRIMER & 2 FINISH COATS). ALL OUTDOOR GAS PIPING SHALL BE PAINTED GRAY (1 PRIMER & 2 FINISH COATS).
11. ALL INDOOR GAS VENTS SHALL BE PAINTED BLACK (1 PRIMER & 2 FINISH COATS). ALL OUTDOOR GAS VENTS SHALL BE PAINTED TO MATCH EXTERIOR FINISH (1 PRIMER & 2 FINISH COATS).



DOMESTIC HOT WATER SYSTEM GAS PIPING DIAGRAM
N.T.S.



HIGH PRESSURE GAS CONNECTION DETAIL (RTU)
N.T.S.



LOW PRESSURE GAS CONNECTION DETAIL
N.T.S.

NOTES:

1. CONTRACTOR TO PROVIDE 1/2" VENT FOR ALL INDOOR GAS PRESSURE REGULATORS. PIPE VENT RELIEF TO ATMOSPHERE. COORDINATE W/ LOCAL UTILITY COMPANY FOR GAS PRESSURE REGULATOR VENTING REQUIREMENTS.
2. ABOVE GROUND GAS PIPE SIZES BASED ON 2015 IFGC TABLE 402.4(1) "SCHEDULE 40 BLACK METALLIC PIPE WITH A PRESSURE DROP OF 0.3" W.C.

3 P5.10 GAS DETAILS
1/8" = 1'-0"

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BROADVIEW
SENIOR LIVING
AT PURCHASE COLLEGE

BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - COMMONS BUILDING

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

STATE OF NEW YORK · THOMAS WIGHAM · 090385 · LICENSED PROFESSIONAL ENGINEER

LAN ASSOCIATES
Engineering, Planning, Architecture, Surveying, LLP
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Project Name
BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - COMMONS BUILDING
Project Number
1308.01
Date
4/30/2021
Scale
1/8" = 1'-0"
Drawing
PROPOSED PLUMBING GAS RISER

P5.10

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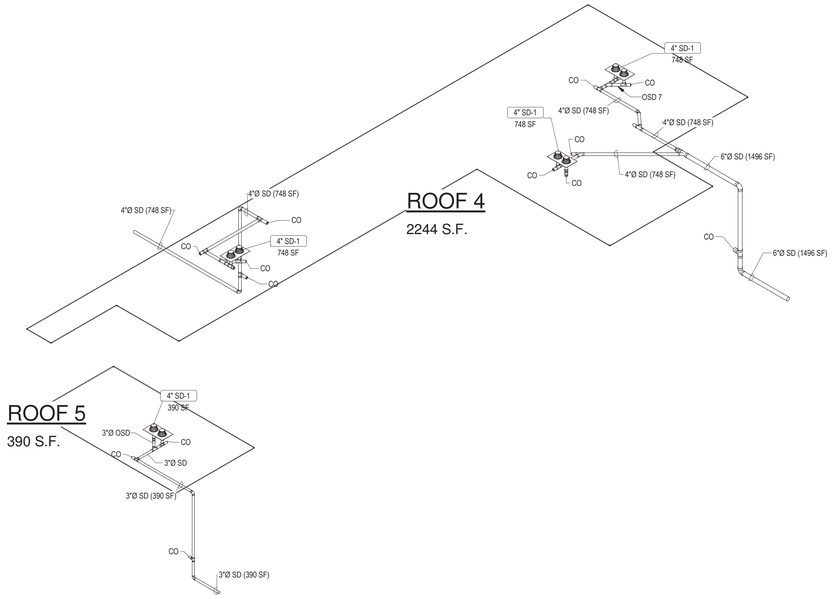
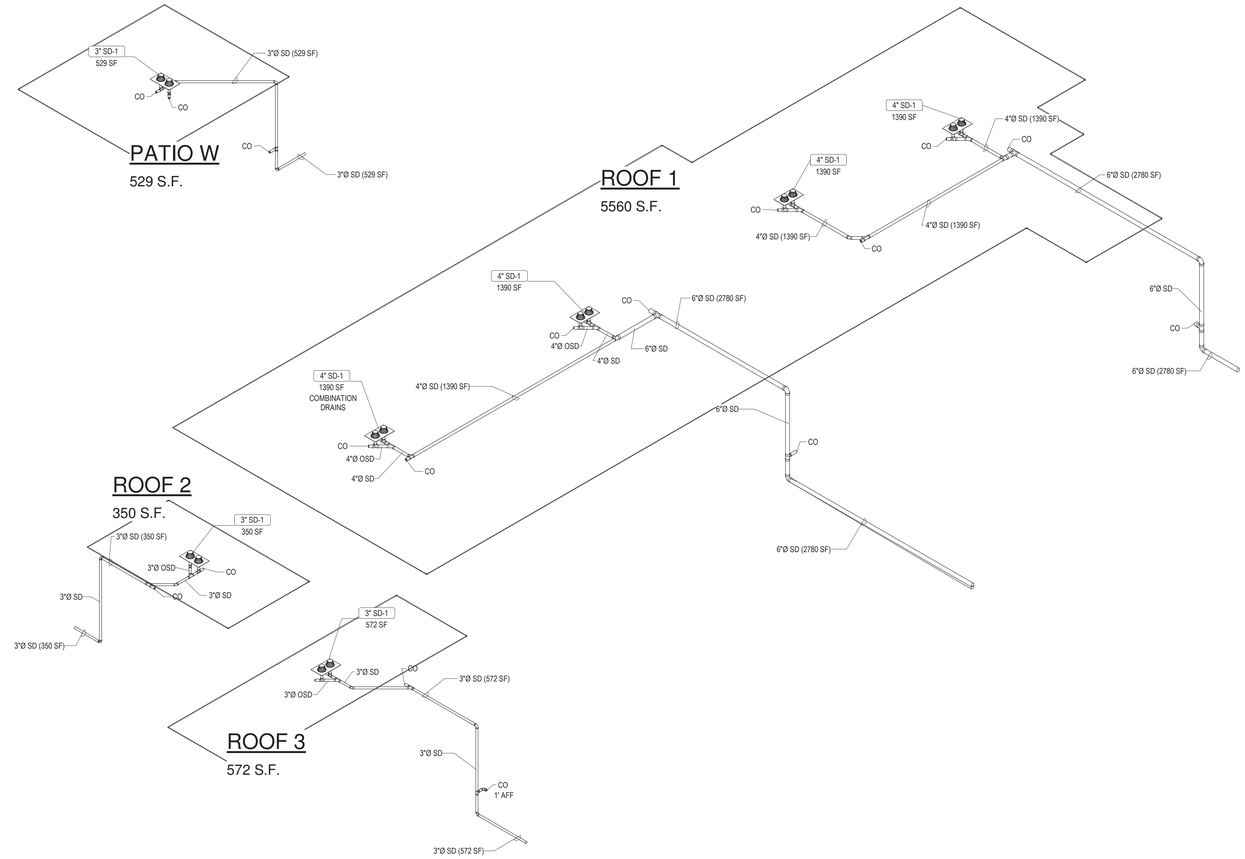


2 P5.11 STORM RISER - WEST

STORM DRAIN SCHEDULE

	ID	DESCRIPTION	MANUFACTURER	MODEL	QTY	MATERIAL DESCRIPTION: DRAIN BODY	MATERIAL DESCRIPTION: STRAINER	WASTE PIPE SIZE	SPECIFICATION	REMARKS
	SD-1	COMBINATION DRAINS	J.R. SMITH	1800Y	4	LACQUERED CAST IRON	POLYETHYLENE	3"	COMBINED LARGE SUMP ROOF DRAIN AND SECONDARY OVERFLOW SYSTEM; CONSISTING OF 24" X 48" GALVANIZED SUMP RECEIVER, TWO ROOF DRAIN BODIES WITH 15" DIAMETER ANCHOR FLANGE, CAST IRON WATERPROOFING MEMBRANE CLAMP RINGS WITH INTEGRAL GRAVEL STOP; ONE 4" ABS OVERFLOW STANDPIPE AND TWO SELF-LOCKING DOME STRAINERS WITH A COMBINED FREE AREA OF 250 SQUARE INCHES.	
	SD-1	COMBINATION DRAINS	J.R. SMITH	1800Y	8	LACQUERED CAST IRON	POLYETHYLENE	4"	COMBINED LARGE SUMP ROOF DRAIN AND SECONDARY OVERFLOW SYSTEM; CONSISTING OF 24" X 48" GALVANIZED SUMP RECEIVER, TWO ROOF DRAIN BODIES WITH 15" DIAMETER ANCHOR FLANGE, CAST IRON WATERPROOFING MEMBRANE CLAMP RINGS WITH INTEGRAL GRAVEL STOP; ONE 4" ABS OVERFLOW STANDPIPE AND TWO SELF-LOCKING DOME STRAINERS WITH A COMBINED FREE AREA OF 250 SQUARE INCHES.	

Grand total: 12



STORM DRAIN CALCULATIONS

Identity Mark	ID	LOCATION: Space: Name Override	DESCRIPTION	QTY	SIZE	RAINFALL RATE (INCH/HR)	SIZING: AREA
RD-1	SD-1	ROOF 1	COMBINATION DRAINS	1	4"	5	1390
RD-2	SD-1	ROOF 1	COMBINATION DRAINS	1	4"	5	1390
RD-3	SD-1	ROOF 1	COMBINATION DRAINS	1	4"	5	1390
RD-4	SD-1	ROOF 1	COMBINATION DRAINS	1	4"	5	1390
RD-5	SD-1	ROOF 2	COMBINATION DRAINS	1	3"	5	350
RD-6	SD-1	ROOF 3	COMBINATION DRAINS	1	3"	5	572
RD-7	SD-1	PATIO W	COMBINATION DRAINS	1	3"	5	529
RD-8	SD-1	PATIO E	COMBINATION DRAINS	1	3"	5	529
RD-9	SD-1	ROOF 4	COMBINATION DRAINS	1	4"	5	748
RD-10	SD-1	ROOF 4	COMBINATION DRAINS	1	4"	5	748
RD-11	SD-1	ROOF 4	COMBINATION DRAINS	1	4"	5	748
RD-12	SD-1	ROOF 5	COMBINATION DRAINS	1	4"	5	390

Grand total: 12

1 P5.11 STORM RISER - EAST

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SENIOR LIVING
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BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - COMMONS BUILDING

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Project Number
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Date
4/30/2021
Scale
Drawing
PROPOSED PLUMBING STORM PIPING RISERS

P5.11

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DOMESTIC FIXTURE SCHEDULE

ID	DESCRIPTION	MANUFACTURER	MODEL	QTY	TRIM MANUFACTURER	TRIM MODEL	TRIM TYPE	FLUSH FIXTURE MIN. VOL. PER FLUSH	WASTE ROUGH-IN PIPE SIZE	INDIRECT WASTE PIPE SIZE	VENT PIPE SIZE	COLD WATER ROUGH-IN PIPE SIZE	HOT WATER ROUGH-IN PIPE SIZE	SPECIFICATION	REMARKS
DRYER 1	COMMERCIAL DRYER	UMAC	UT F75	4	--	--	MANUAL							INFORMATION PROVIDE IN ANOTHER SPEC SECTION. FOR VENTING INFO, SEE MECH PLANS	
DRYER 2	LITE DUTY DRYER	SPEEDQUEEN	SINGLE DRYER	5	--	--	MANUAL							INFORMATION PROVIDE IN ANOTHER SPEC SECTION. FOR VENTING INFO, SEE MECH PLANS	
EWC-2	WATER COOLER - DUAL HEIGHT	ELKAY	EZSTLBWSSK	3					2"		1-1/2"	1/2"		TWO LEVEL WALL HUNG WATER COOLER WITH BOTTLE FILLING STATION. THE UNIT SHALL BE COMPLETE WITH CABINET, MOUNTING FRAME, SELF CLOSING EASY TOUCH SIDE AND FRONT PUSHBAR CONTROLS, FLEXIGUARD SAFETY BUBBLER, REFRIGERATING SYSTEM, AIR COOLED, 120 VOLT, 60 CYCLE, SINGLE PHASE POWER CONNECTION, FULLY AUTOMATIC, COMPLETE AND READY TO OPERATE.	
HB-1	HOSE BIBB	WOODFORD	B24-1/2	7			MANUAL					3/4"		INTERIOR HOSE BIBB WITH VACUUM BREAKER, 3/4" HOSE THREAD OUTLET, LOCK SHIELD CAP, AND REMOVABLE "T'EE" HANDLE. PROVIDE SHUTOFF VALVE IN COLD WATER SUPPLY AHEAD OF HOSE BIBB.	
HB-2	HOSE BIBB-EXT	WOODFORD	MODEL 67	13			MANUAL					3/4"		Freezeless Wall Hydrant, 3/4" HOSE THREAD OUTLET, AND REMOVABLE "KEY" HANDLE. PROVIDE SHUTOFF VALVE IN COLD WATER SUPPLY AHEAD OF HOSE BIBB.	
HB-3	HOSE BIBB -ROOF	WOODFORD	RHY2-MS	4			MANUAL					3/4"		FREEZELESS ROOF HYDRANT WITH VACUUM BREAKER, DUAL CHECK BACKFLOW PREVENTER, 3/4" HOSE THREAD OUTLET, PROVIDE CAST IRON MOUNTING SUPPORT SYSTEM RH-MS. PROVIDE SHUTOFF VALVE IN COLD WATER SUPPLY AHEAD OF HOSE BIBB.	
JS-1	JANITOR SINK	MUSTEE	63 M	5	MUSTEE	63.600A	MANUAL		3"		2"	3/4"	3/4"	SERVICE BASIN, 24"x24"X10" WITH CHROME PLATED 3" DRAIN AND CAST IRON TRAP. FAUCET SHALL INCLUDE PAIL HOOK AND ATMOSPHERIC VACUUM BREAKER SPOUT. FURNISH 65.700 SERVICE HOSE HOSE AND FITTINGS. SERVICE MOP HANGER	
LAV-1	LAVATORY - COUNTERTOP	KOHLER	VERTICYL K-2882-0	29	AMERICAN STANDARD	6059.202	ELECTRONIC		2"		1-1/2"	1/2"	1/2"	COUNTERTOP LAVATORY, FAUCET HOLES ON 4" CENTERS. DECK-MOUNTED FAUCET, EXTERNAL ASSE 1070 COMPLIANT THERMOSTATIC MIXING VALVE AMERICAN STANDARD 605XTMV, GRID DRAIN, LOOSE KEY ANGLE STOPS AND SUPPLIES. INSULATE WATER AND WASTE WITH ADA INSULATION KIT ASNEEDED. MOUNT AT ADA COMPLIANT HEIGHT.	
OB-2	DISHWASHER OUTLET BOX	SIOUX CHIEF	696-RG1001MF	2					2"		2"		1/2"	FULLY RECESSED FIRE RATED DISHWASHER SUPPLY BOX WITH COVER. PROVIDE 1/4 TURN BALL VALVES AND WATER HAMMER ARRESTORS IN BOX. PROVIDE A 2" TRAPPED STANDPIPE IN CONCEALED WALL SPACE.	
OB-5	ICE MAKER OUTLET BOX	SIOUX CHIEF	696-RG1010MF	2								1/2"		FULLY RECESSED FIRE RATED ICE MAKER SUPPLY BOX WITH COVER. PROVIDE 1/4 TURN BALL VALVES AND WATER HAMMER ARRESTORS IN BOX.	
OB-7	WASHING MACHINE OUTLET BOX	SIOUX CHIEF	696-R2313MF	3					2"		2"	1/2"	1/2"	FULLY RECESSED FIRE RATED WASHING MACHINE SUPPLY BOX WITH COVER. PROVIDE 1/4 TURN BALL VALVES AND WATER HAMMER ARRESTORS IN BOX. PROVIDE A 2" TRAPPED STANDPIPE IN CONCEALED WALL SPACE.	
S-1	LAUNDRY DUAL BOWL SINK	MUSTEE	27 UTILATWIN	2	MUSTEE	93.600	MANUAL		2"		2"	3/4"	3/4"	LAUNDRY Utility Sink, ADA Compliance No, Back Splash Height 5/8 in, Bowl Depth 12 3/4 in, Rectangular, Bowl Size 24 in x 20 in, White, Drain Opening 1 1/2 in, Drainboard Location No Drainboard, Faucet Hole Dia. 1 in, 1 1/8 in, Faucet Installation Style Centerset, Faucet Mounting Centers 4 in, 8 in, Unfinished, Mounting Location - Faucet Deck, Mounting Type - Sinks Floor, No. of Bowls 2, Number of Drainboards 0, Number of Faucet Holes 3, P-TRAP, TAILPIECES, SUPPLIES AND STOPS.	
S-2	CLASSROOM SINK	ELKAY	DAYTON DCFU3118	4	DELTA	9159T-DST	MANUAL		2"		2"	1/2"	1/2"	31-3/4" UNDERMOUNT DOUBLE BASIN STAINLESS STEEL SINK. SINGLE LEVER SWIVEL FAUCET. ONE ELKAY MODEL NO. LK35 BASKET STRAINER, P-TRAP, TAILPIECES, SUPPLIES AND STOPS. INSULATE WATER AND WASTE TO MEET ADA REQUIREMENTS.	
S-4	KITCHENETTE SINK	KOHLER	K-3177	3	DELTA	9159T-DST	MANUAL		1-1/2"		1-1/2"	1/2"	1/2"	SINGLE COMPARTMENT, COUNTER TOP, 18 GAUGE. SINGLE LEVER SWIVEL FAUCET. ONE ELKAY MODEL NO. LK35 BASKET STRAINER, P-TRAP, TAILPIECES, SUPPLIES AND STOPS. INSULATE WATER AND WASTE TO MEET ADA REQUIREMENTS.	
S-5	WOODSHOP SINK	ELKAY	LR1716SC	1	ELKAY	LK500GN04T4SC	MANUAL		1-1/2"		1-1/2"	1/2"	1/2"	SINGLE COMPARTMENT, COUNTER TOP MOUNT, 18 GAUGE. SINGLE LEVER SWIVEL FAUCET. BASKET STRAINER, P-TRAP, TAILPIECES, SUPPLIES AND STOPS. INSULATE WATER AND WASTE TO MEET ADA REQUIREMENTS.	
SAL-1	SHAMPOO STATION - FIXED	BELVEDERE MALETTI	8600	2			MANUAL		1-1/2"		1-1/2"	1/2"	1/2"	PORCELAIN ENAMEL CAST IRON BOWL w/ wall mounting bracket and flexible drain hose. Adjustable tilt 10 degrees forward from center and 5 degrees back from center. Wall-mount bracket & flexible drain hose included. STRAINER, P-TRAP, TAILPIECES, SUPPLIES AND STOPS. PROVIDE HAIR TRAP. PROVIDE WATTS UNDER SINK GUARDIAN MODEL LFUSG-B (ASSE 1070) LIMIT OUTLET TEMPERATURE TO 110°F MAX.	
SAL-2	SHAMPOO STATION - ADJUSTABLE	ADJUST-A-SINK	8600	1			MANUAL		1-1/2"		1-1/2"	1/2"	1/2"	Adjust-a-Sink series E140 electric elevating sink; complete with Comfort Fit 3050 solid surface shampoo bowl, faucet valve with whiz spray, vacuum breaker and strainer basket filter, chrome plated lift system, laminated mounting panels, steel drain shroud. Bowl & Laminate color is to be SELECTED BY OWNER. STRAINER, P-TRAP, TAILPIECES, SUPPLIES AND STOPS. PROVIDE HAIR TRAP. PROVIDE WATTS UNDER SINK GUARDIAN MODEL LFUSG-B (ASSE 1070) LIMIT OUTLET TEMPERATURE TO 110°F MAX	
SAL-3	PEDI-SPA	CONTINUUM FOOTSPAS	ECHO LE	2	-	-	-		1"		1"	1/2"	1/2"	PROVIDE DRAIN PUMP KIT AND SOLID SERVICE BASIN. ROUGH-IN ACCORDING TO MANUFACTURERS RECOMMENDATIONS, BACKFLOW PREVENTION IS PROVIED, BASIN CAPACITY IS 4.75 GAL. P-TRAP, TAILPIECES, SUPPLIES AND STOPS. INSULATE WATER AND WASTE TO MEET ADA REQUIREMENTS.	
SAL-4	SALON MIXING SINK	ELKAY	LR2522C	1	AMERICAN STANDARD	7500.178	MANUAL		1-1/2"		1-1/2"	1/2"	1/2"	SINGLE COMPARTMENT, COUNTER TOP, 18 GAUGE. SINGLE LEVER SWIVEL FAUCET. ONE ELKAY MODEL NO. LK35 BASKET STRAINER, P-TRAP, TAILPIECES, SUPPLIES AND STOPS. INSULATE WATER AND WASTE TO MEET ADA REQUIREMENTS.	
SAL-5	SPA SINK	KOHLER	VERTICYL K-2882-0	1	AMERICAN STANDARD	2506.145 W	MANUAL		1-1/2"		1-1/2"	1/2"	1/2"	SINGLE COMPARTMENT, COUNTER TOP. SINGLE LEVER SWIVEL FAUCET. BASKET STRAINER, P-TRAP, TAILPIECES, SUPPLIES AND STOPS. INSULATE WATER AND WASTE TO MEET ADA REQUIREMENTS.	
SH-1	POOL SHOWER	SEE NOTES	SEE NOTES	1	DELTA	T27976-LHP & 51361	MANUAL		2"		1-1/2"	1/2"	1/2"	THE INDIVIDUAL POOL SHOWER IS SPECIFIED IN ANOTHER DIVISION. PROVIDE A SHOWER DRAIN AS SPECIFIED IN "SOIL, WASTE, AND VENT PIPING SYSTEMS." SHOWER SYSTEM WITH ASSE 1016 COMPLIANT TYPE "T/P" THERMOSTATIC/PRESSURE BALANCING COMBINATION MIXING VALVE WITH ADJUSTABLE STOP SCREW TO LIMIT HANDLE TURN. PROVIDE MANUFACTURER'S FLOW RATE RESTRICTOR ON SHOWERHEAD.	
SH-2	SHOWER	SEE NOTES	SEE NOTES	4	DELTA	T27976-LHP & 51361	MANUAL		2"		1-1/2"	1/2"	1/2"	THE INDIVIDUAL TILE SHOWER IS SPECIFIED IN ANOTHER DIVISION. PROVIDE A SHOWER DRAIN AS SPECIFIED IN "SOIL, WASTE, AND VENT PIPING SYSTEMS." SHOWER SYSTEM WITH ASSE 1016 COMPLIANT TYPE "T/P" THERMOSTATIC/PRESSURE BALANCING COMBINATION MIXING VALVE WITH ADJUSTABLE STOP SCREW TO LIMIT HANDLE TURN. PROVIDE MANUFACTURER'S FLOW RATE RESTRICTOR ON SHOWERHEAD.	
SS-1	SAFETY SHOWER w/EYE/FACE WASH - PEDESTAL	GUARDIAN	GPF1994	2						1-1/4"		1"	1"	SHOWER/EYE/FACE WASH STATION. GUARDIAN #GPF1994 STAINLESS STEEL BOWL, #AP600-101V-IPS STAY-OPEN CHROME PLATED BRASS BALL VALVE W/ FLAG HANDLE #AP470-001. SPRAY HEAD ASSY, WASTE RECEPTOR, #TMV G3 600LF THERMOSTATIC MIXING VALVE.	
SS-2	EYEWASH - WALL MNT	GUARDIAN	G1814P	3					1-1/2"		1-1/2"		3/4"	WALL MOUNT SAFETY EYE/FACE WASH STATION. PROVIDE THERMOSTATIC MIXING VALVE MODEL G3600 EMERGENCY TEMPERING VALVE.	
U-1	URINAL	AMERICAN STANDARD	WASHBROOK	3	SLOAN	8186	BATTERY	0.125 gal	2"		1-1/2"	3/4"		WALL HUNG URINAL WITH WASHOUT ACTION, TOP SPUD, SIZE 18" WITH INTEGRAL EXTENDED SHIELDS SUPPORTED BY THROUGH GOING BOLTS AND C.P. NUTS. SOLAR POWERED SENSOR ACTIVATED FLUSHOMETER.	
WA-1	COMMERCIAL WASHER	UNIMAC	SOFTMOUNT UY55	4	-	-	MANUAL					3/4"	3/4"	INFORMATION PROVIDED IN ANOTHER SPEC DIVISION . PROVIDE CONNECTION WITH DOUBLE CHECK BACKFLOW PREVENTER, PROVIDE SHUTOFF VALVES ON COLD AND HOT WATER IN ACCESSIBLE LOCATION.	
WA-2	LITE DUTY WASHER	SPEEDQUEEN	FRONT LOAD	2	-	-	MANUAL					1/2"	1/2"	INFORMATION PROVIDED IN ANOTHER SPEC DIVISION . PROVIDE CONNECTION WITH DOUBLE CHECK BACKFLOW PREVENTER, CONNECT TO OX-BOX	
WC-1	WATER CLOSET - FLR MNT-TANK-ADA	TOTO	DRAKE II CST454CEFG#01	26	TANK TYPE			1.28 gal	3"		2"	1/2"		ELONGATED FLOOR MOUNTED 2 PIECE TANK TYPE WATER CLOSET, TORNADO FLUSH 1.28 GPF, WITH SCS34 ELONGATED OPEN FRONT SEAT. PROVIDE A 1/4" BRASS BALL VALVE AT WALL CONNECTION. UNIVERALS HEIGHT, COLOR TO BE SELECTED BY OWNER	

Grand total: 139

GREASE INTERCEPTOR SCHEDULE

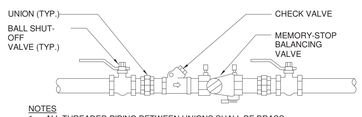
ID TYPE	LOCATION NAME	LOCATION NO.	MANUFACTURER	MODEL	QTY	TYPE	MATERIAL DESCRIPTION	COVER DESCRIPTION	COVER DIA	DESIGN FLOW	CAPACITY LIQUID	CAPACITY GREASE	CAPACITY SOLIDS	INSTALLATION ARRANGEMENT	INSTALLATION BOTTOM OF EQUIPMENT ELEV	INSTALLATION ESTIMATED RISER HEIGHT	PIPE CONNECTIONS INLET INVERT	PIPE CONNECTIONS INLET DIA	PIPE CONNECTIONS OUTLET INVERT	PIPE CONNECTIONS OUTLET DIA	DIMENSIONS LENGTH	DIMENSIONS WIDTH	DIMENSIONS HEIGHT	REMARKS
GI-35	CAFE PANTRY	7	SCHIER	GB-1	1	HYDROMECHANICAL	POLYPROPYLENE	POLYPROPYLENE	21 1/2"	35 GPM	20.0 gal	130.50 lbm	0.0 gal	ABOVE GRADE	0' - 0"	0' - 0"	-2' - 0"	4"	-2' - 0"	4"	2' - 11"	1' - 11"	1' - 2"	
GI-1500	EXTERIOR	-	JENSEN	JP1500-G	1	GRAVITY	PRECAST CONCRETE	CAST IRON	24"	0 GPM	1500.0 gal	0.00 lbm	0.0 gal	BELOW GRADE	-7' - 0"	1' - 0"	-2' - 0"	4"	-2' - 3"	4"	10' - 8"	5' - 7"	6' - 0"	

Grand total: 2

FLOOR DRAIN SCHEDULE

ID	DESCRIPTION	MANUFACTURER	MODEL	QTY	MATERIAL DESCRIPTION DRAIN BODY	MATERIAL DESCRIPTION STRAINER	PRIMER CONNECTION	WASTE PIPE SIZE	VENT PIPE SIZE	PRIMER PIPE SIZE	SPECIFICATION	REMARKS
FD-1	FLOOR DRAIN	WATTS	FD-100-A	1	EPOXY COATED CAST IRON	NICKEL BRONZE	No	2"	2"		EPOXY COATED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH PRIMARY & SECONDARY WEEPHOLES, ADJUSTABLE ROUND HEEL PROOF NICKEL BRONZE STRAINER, AND NO HUB OUTLET.	
FD-1	FLOOR DRAIN	WATTS	FD-100-A	28	EPOXY COATED CAST IRON	NICKEL BRONZE	Yes	2"	2"	1/2 in	EPOXY COATED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH PRIMARY & SECONDARY WEEPHOLES, ADJUSTABLE ROUND HEEL PROOF NICKEL BRONZE STRAINER, AND NO HUB OUTLET.	
FD-1	FLOOR DRAIN	WATTS	FD-100-A	18	EPOXY COATED CAST IRON	NICKEL BRONZE	No	3"	2"		EPOXY COATED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH PRIMARY & SECONDARY WEEPHOLES, ADJUSTABLE ROUND HEEL PROOF NICKEL BRONZE STRAINER, AND NO HUB OUTLET.	
FD-1	FLOOR DRAIN	WATTS	FD-100-A	1	EPOXY COATED CAST IRON	NICKEL BRONZE	No	6"	3"		EPOXY COATED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH PRIMARY & SECONDARY WEEPHOLES, ADJUSTABLE ROUND HEEL PROOF NICKEL BRONZE STRAINER, AND NO HUB OUTLET.	
FD-3	FLOOR DRAIN	WATTS	FD-100-M	1	EPOXY COATED CAST IRON	NICKEL BRONZE	Yes	2"	2"	1/2 in	EPOXY COATED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH PRIMARY & SECONDARY WEEPHOLES, ADJUSTABLE SQUARE HEEL PROOF NICKEL BRONZE STRAINER, AND NO HUB OUTLET.	
FD-5	LAUNDRY TROUGH DRAIN	BY OTHERS	BY OTHERS	2	EPOXY COATED CAST IRON	NICKEL BRONZE	No	3"	2"		SEE LAUNDRY TROUGH DRAIN DETAIL FOR ADDITIONAL INFORMATION.	
FD-21	FLOOR DRAIN	WATTS	FD-1200-L	4	EPOXY COATED CAST IRON	STAINLESS STEEL	No	4"	2"		ON-GRADE EPOXY COATED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, WEEPHOLES, ADJUSTABLE HEAVY DUTY SQUARE HEEL PROOF STAINLESS STEEL STRAINER, AND NO HUB OUTLET.	
FS-3	FLOOR SINK	WATTS	FS-730	21	EPOXY COATED CAST IRON	ALUMINUM		3"	2"	---	12" SQUARE X 6" DEEP SANITARY FLOOR SINK WITH WHITE PORCELAIN ENAMEL COATED INTERIOR, LOOSE SET PORCELAIN ENAMEL COATED CAST IRON GRATE, ALUMINUM DOME BOTTOM STRAINER, AND NO HUB OUTLET.	

Grand total: 76



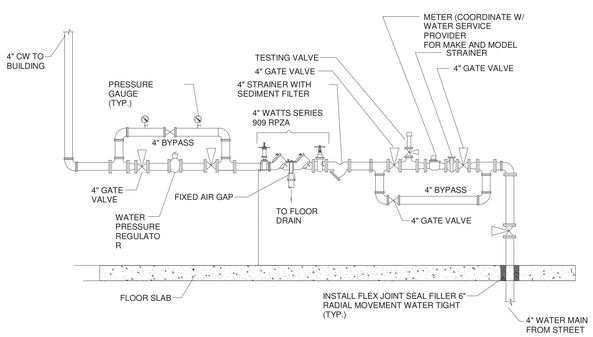
NOTES
1. ALL THREADED PIPING BETWEEN UNIONS SHALL BE BRASS.
2. INSTALL DI-ELECTRIC UNIONS FOR PIPING CONNECTIONS OF DISSIMILAR METALS.

DHWR BALANCING ASSEMBLY DETAIL

N.T.S.

NOTES:

1. THE NEW WATER METER ASSEMBLY SHOWN HERE SHALL BE INSTALLED IN NEW SPRINKLER ROOM 003 ALONG WITH ALL REQUIRED FIRE SPRINKLER PIPES, VALVES, ETC. REFER TO F0.01 FOR DETAILS
2. PROVIDE 1/2" DIA. PIPE SUPPORTS FOR RPZA & HORIZONTAL PIPING. THE QUANTITY SHALL BE DETERMINED IN FIELD.
3. THE RPZA SHALL BE INSTALLED MIN. 8" FROM THE WALL. THE INSTALLATION SHALL CONFORM WITH LOCAL WATER COMPANY REGULATIONS AND ALL CITY, COUNTY AND STATE HEALTH DEPARTMENT REQUIREMENTS.



WATER METER WITH BACKFLOW PREVENTER ASSEMBLY DETAIL

N.T.S.

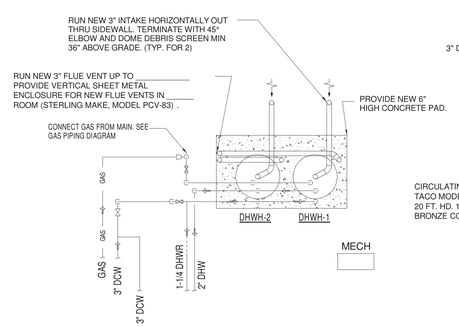
LEGEND

DCW	NEW DOMESTIC COLD WATER PIPING
DHW	NEW DOMESTIC HOT WATER PIPING
DHWR	NEW DOMESTIC HOT WATER RETURN PIPING
GAS	GAS LINE
	NEW BALL VALVE SHUTOFF
	NEW GAS SHUTOFF VALVE

DOMESTIC HOT WATER HEATER SCHEDULE (AO SMITH AS STANDARD)

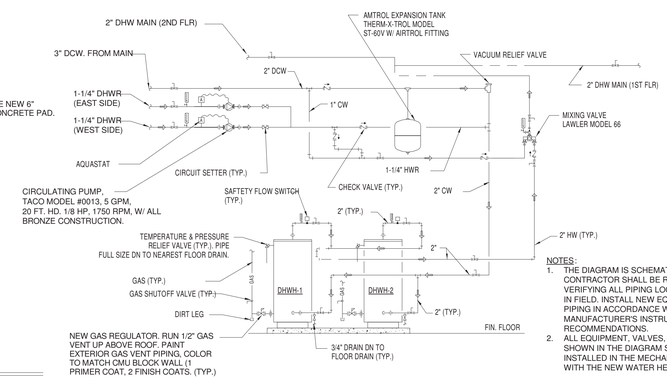
TAG No.	SERVICE	INPUT RATING (MBH)	RECOVERY RATE @ 80°F RISE (GPH)	STORAGE CAPACITY (GAL.)	THERMAL EFFICIENCY %	FLUE SIZE	ELECTRIC DATA VOLT/PH/HZ	MODEL & MANUFACTURER		DIMENSION DIA. x Ht (IN.)	APPROX. WEIGHT (LB.)	REMARKS
DHWH-1	WEST	300	872	119	98	4"□	115/1/60	BTH-300A Mxi	AO SMITH	33-1/8 x 75-3/4	825	SEE NOTES
DHWH-2	EAST	300	872	119	98	4"□	115/1/60	BTH-300A Mxi	AO SMITH	33-1/8 x 75-3/4	825	SEE NOTES

NOTES:
1. PROVIDE W/ STANDARD 150 PSI TEMPERATURE & PRESSURE RELIEF VALVE AND 4" PVC CONCENTRIC VENT.
2. PROVIDE A CONDENSATE DRAIN W/ CONDENSATE ACID NEUTRALIZING TUBE MODEL #JM-2 (OR APPROVED EQUAL) ON BOTTOM OF EXHAUST FLUE VENT



DOMESTIC HOT WATER SYSTEM PIPING PLAN

NOT TO SCALE



NOTES:
1. THE DIAGRAM IS SCHEMATIC ONLY. CONTRACTOR SHALL BE RESPONSIBE FOR VERIFYING ALL PIPING LOCATIONS & SIZES IN FIELD. INSTALL NEW EQUIPMENT & PIPING IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS & RECOMMENDATIONS.
2. ALL EQUIPMENT, VALVES, FITTINGS, ETC. SHOWN IN THE DIAGRAM SHALL BE INSTALLED IN THE MECHANICAL ROOM WITH THE NEW WATER HEATERS.

DOMESTIC HOT WATER SYSTEM PIPING DIAGRAM

NOT TO SCALE

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HCM / LCS

BROADVIEW
SENIOR LIVING AT PURCHASE COLLEGE

BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - COMMONS BUILDING

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

STATE OF NEW YORK · THOMAS WIGHARD · 090385 · LICENSED PROFESSIONAL ENGINEER

LAN ASSOCIATES
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LAN JOB #1308.01
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no.	date	revision

Project Name
BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - COMMONS BUILDING
Project Number
1308.01
Date
4/30/2021
Scale
As indicated
Drawing
PLUMBING FIXTURE SCHEDULE AND DETAILS

P6.01

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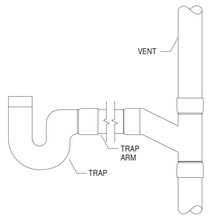
ELEVATOR SUMP PUMP SCHEDULE

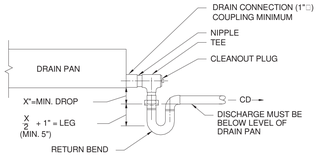
(GOULDS PUMP AS STANDARD)

Tag No.	LOCATION	GPM	HD (FT)	HP	RPM	ELECTRICAL DATA VOLT/PH/HZ	MODEL & MANUFACTURER	REMARKS
SP-1	ELEVATOR PIT	15	25	1/2	3450	115/1/60	MODEL 3885 GOULDS PUMP	SEE NOTE

NOTE: ELEVATOR SUMP PUMP. PROVIDE W/ GOULDS MODEL #ELKTWE0511H W/ CONTROL PANEL MODEL #A1SEE1, OIL SMART SWITCH, LIQUID SMART SENSOR, AND CHECK & SHUTOFF VALVES.



1 P6.02 TRAP DETAIL
N.T.S.

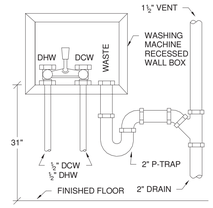


X = NEGATIVE INTERNAL STATIC PRESSURE AT FAN INLET.

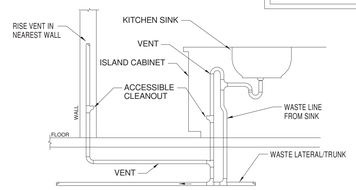
NOTES:
1. ALLOW SUFFICIENT SPACE BELOW DRAIN PAN FOR TRAP
2. PITCH DRAIN FOR PROPER RUN - OFF.
3. MANUALLY, PRIME FILL TRAP BEFORE STSRT -UP TO FORM INITIAL DRAIN SEAL.
4. SUPPORT LENGHTY DRAIN LINES TO PREVENT SAG AND CONDENSATE OVERFLOW.

2 P6.02 CONDENSATE DRAIN TRAP DETAIL
N.T.S.

NOTE:
WATER SUPPLY CONNECTIONS FROM WALL BOXES TO AUTOMATIC CLOTHES WASHERS SHALL BE MADE WITH FLEXIBLE STAINLESS STEEL HOSES.



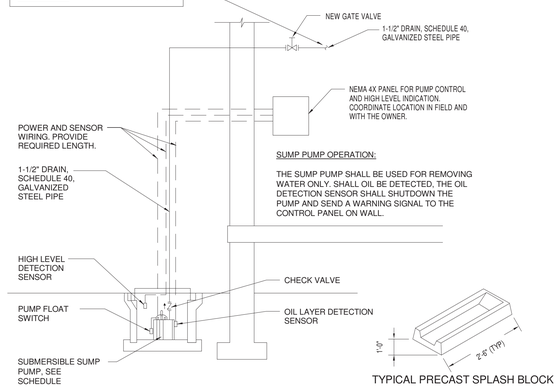
3 P6.02 WASHING MACHINE RECESSED WALL BOX DETAIL (ELEVATION)
N.T.S.



SEE SHEET P2.32 THRU P2.36 FOR LOCATIONS.

4 P6.02 KITCHEN ISLAND VENT DETAIL
N.T.S.

PROVIDE A SIGN AT EXTERIOR OF BUILDING STATING **"ELEVATOR PIT DISCHARGE"** TYPICAL ALL LOCATIONS



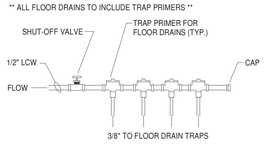
SUMP PUMP OPERATION:

THE SUMP PUMP SHALL BE USED FOR REMOVING WATER ONLY. SHALL OIL BE DETECTED, THE OIL DETECTION SENSOR SHALL SHUTDOWN THE PUMP AND SEND A WARNING SIGNAL TO THE CONTROL PANEL ON WALL.

TYPICAL PRECAST SPLASH BLOCK

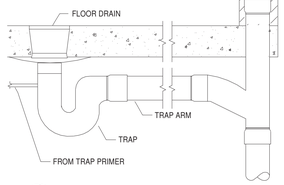
9 P6.02 ELEVATOR SUMP PUMP PIPING DETAIL
N.T.S.

** ALL FLOOR DRAINS TO INCLUDE TRAP PRIMERS **

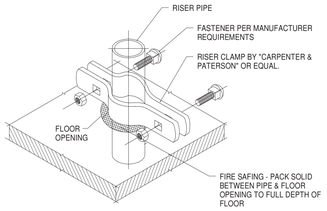


5 P6.02 TRAP PRIMER FEED DETAIL
N.T.S.

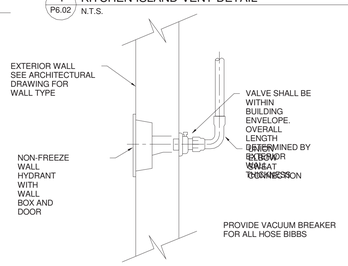
NOTE:
TRAP PRIMER IS USED TO MAINTAIN A WATER SEAL IN A TRAP & TO PREVENT EVAPORATION (SEE SPECS.)



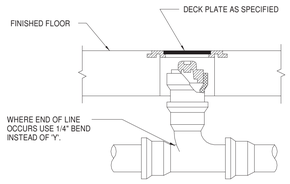
6 P6.02 TRAP PRIMER HOOK-UP
N.T.S.
TYP. FOR ALL FLOOR DRAINS



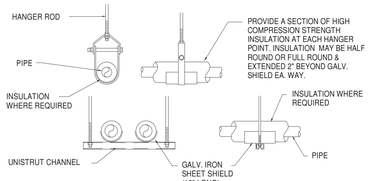
7 P6.02 PIPE RISER CLAMP
N.T.S.



8 P6.02 WALL HYDRANT (HOSE BIB) DETAIL
N.T.S.



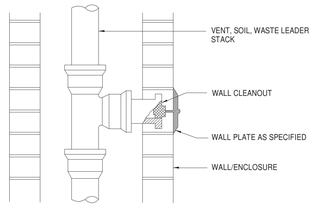
10 P6.02 FLOOR CLEANOUT DETAIL
N.T.S.



NOTES:
1. ATTACH SUPPORTS FOR ALL PIPING SUSPENDED FROM THE STEEL STRUCTURE TO THE TOP CORD OF JOISTS OR BEAMS.

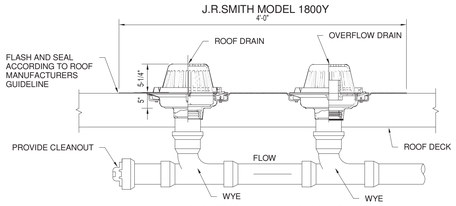
2. PROVIDE COPPER OR PLASTIC COATED HANGERS FOR NON-INSULATED COPPER PIPE.

11 P6.02 PIPE SUPPORT HANGERS
N.T.S.



12 P6.02 WALL CLEANOUT DETAIL
N.T.S.

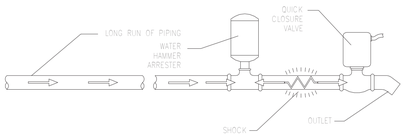
J.R.SMITH MODEL 1800Y



** PIPE SIZE PER PLUMBING ROOF PLANS **

13 P6.02 ROOF DRAIN AND OVERFLOW DRAIN COMBINATION PIPING DETAIL
N.T.S.

TABLE 3 INDICATES THE SIZE OF THE WATER ARRESTER REQUIRED FOR LONG RUNS OF PIPING WHICH FEED A SINGLE REMOTE FIXTURE OR APPLIANCE. THE WATER ARRESTER UNIT SHOULD BE SIZED BY USING TABLE 3 AND LOCATED AS CLOSE TO THE POINT OF QUICK CLOSURE AS POSSIBLE.



WATER HAMMER ARRESTER SELECTION CHART

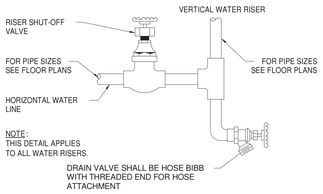
LENGTH OF PIPE	NOMINAL PIPE 1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
25'	5005	5005	5010	5020	5030	5040
50'	5005	5010	5020	5030	5040	5050
75'	5010	5020	5030	1-5005 1-5040	5050	1-5040 1-5050
100'	5020	5030	5040	5050	1-5020 1-5055	2-5050
125'	5020	5030	5050	1-5005 1-5050	1-5040 1-5050	1-5040 2-5050
150'	5030	5040	5050	1-5030 1-5050	2-5050	3-5050

TABLE

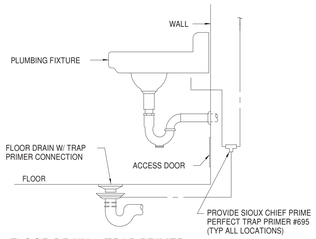
NOTE: TABLE 3 SHOWS LENGTHS OF RUN OF BRANCH PIPING. THE LENGTH OF RUN USED SHOULD BE THE LENGTH OF PIPE FROM POINT OF VALVE CLOSURE TO A POINT OF RELIEF, SUCH AS LARGE PIPE RISER TWICE THE SIZE OF THE BRANCH LINE, MAIN LINE OR WATER TANK.

ALL SIZING RECOMMENDATIONS SHOWN IN TABLE 3 ARE BASED ON AN OPERATING WATER PRESSURE OF 65 PSI OR UNDER AN AVERAGE VELOCITY BETWEEN 5 AND 10 FEET PER SECOND. IF OPERATING PRESSURES ARE OVER 65 PSI USE THE NEXT LARGER WATER HAMMER ARRESTER UNIT. WHEN PRESSURES ARE ANTICIPATED ABOVE 85 PSI A PRESSURE REDUCING VALVE IS RECOMMENDED.

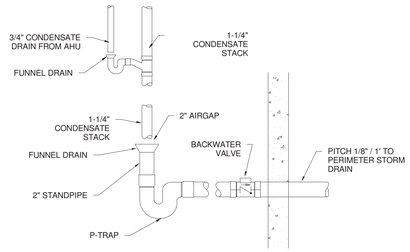
18 P6.02 SIZING AND PLACEMENT OF WATER HAMMER ARRESTER (WHA)
N.T.S.



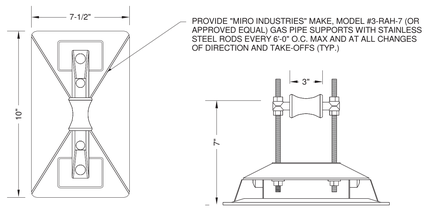
14 P6.02 RISER STOP & DRAIN VALVE
N.T.S.



15 P6.02 FLOOR DRAIN & TRAP PRIMER
N.T.S.



16 P6.02 CONDENSATE DRAIN STAND PIPE DETAIL
N.T.S.



17 P6.02 GAS PIPE ROOF SUPPORT DETAIL
N.T.S.

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BROADVIEW
SENIOR LIVING AT PURCHASE COLLEGE

BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - COMMONS BUILDING

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

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Engineering, Planning, Architecture, Surveying, LLP
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LICENSE NUMBER: 090385
EXPIRATION DATE: 10/31/23

no.	date	revision

Project Name
BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - COMMONS BUILDING
Project Number
1308.01

Date
4/30/2021

Scale
1/8" = 1'-0"

Drawing
PLUMBING DETAILS

P6.02

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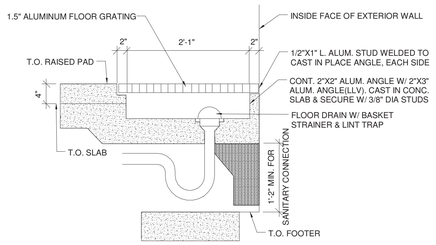
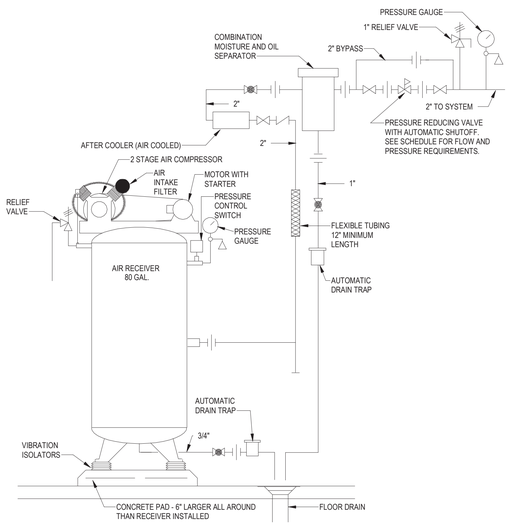
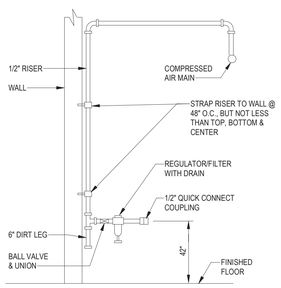


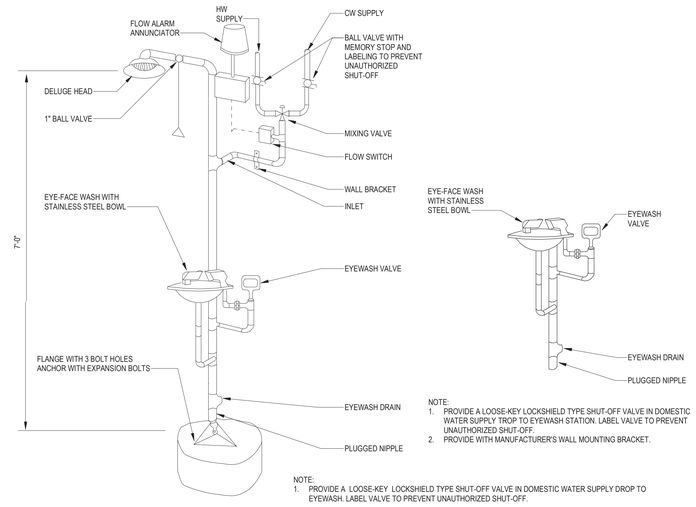
1 P6.03 RECESSED WASHER THROUGH WITH DRAIN
1/8" = 1'-0"



2 P6.03 WOOD SHOP VERTICAL AIR COMPRESSOR DETAIL
1/8" = 1'-0"



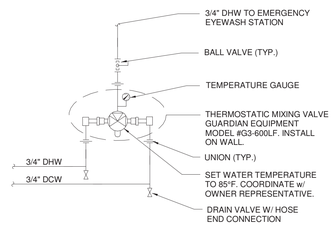
3 P6.03 WOOD SHOP COMPRESSED AIR WALL OUTLET
1/8" = 1'-0"



NOTE:
1. PROVIDE A LOOSE-KEY LOCKSHIELD TYPE SHUT-OFF VALVE IN DOMESTIC WATER SUPPLY TROP TO EYEWASH STATION. LABEL VALVE TO PREVENT UNAUTHORIZED SHUT-OFF.
2. PROVIDE WITH MANUFACTURER'S WALL MOUNTING BRACKET.

NOTE:
1. PROVIDE A LOOSE-KEY LOCKSHIELD TYPE SHUT-OFF VALVE IN DOMESTIC WATER SUPPLY DROP TO EYEWASH. LABEL VALVE TO PREVENT UNAUTHORIZED SHUT-OFF.

4 P6.03 EMERGENCY EYEWASH PIPING DETAIL
1/8" = 1'-0"



5 P6.03 MIXING VALVE PIPING DIAGRAM (EYE WASH STATION)
1/8" = 1'-0"

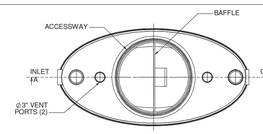
NOTES:
1. FOR GRAVITY APPLICATIONS ONLY.
2. ALL PROCEPTOR® UNITS ARE MANUFACTURED WITH FIBERGLASS REINFORCED PLASTICS. PHYSICAL PROPERTIES OF THE COMPOSITE:
POLYESTER RESIN AND E-GLASS
MINIMUM THICKNESS 3/16" WALL AND 5/16" TOP AND BOTTOM BOWLS.
3. ALL PROCEPTOR® UNITS ARE TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTALLATION INSTRUCTION.
4. SIZE CONNECTIONS: 2" SCH 40 PIPE.
5. GMC/OMC/SMC 50 - 300 UNITS COME STANDARD WITH 4" INLET AND OUTLET (OTHER PIPE SIZE OPTIONS AVAILABLE ON REQUEST).
6. CONNECTIONS TO THE UNIT MUST BE FLEXIBLE, OR MADE OF PLASTIC, CUT ON SITE FOR FINAL ADJUSTMENT AND CAULKED WITH SIKAFLEX BY CONTRACTOR FOR WATERTIGHT SEAL.
7. PROCEPTOR® UNITS ARE DESIGNED FOR LIGHT PEDESTRIAN LOADING OR ABOVE GROUND INSTALLATION.
8. CONSULT GREEN TURTLE/NRCR OTHER SIZES.
9. 30 YEAR WARRANTY AGAINST LEAKS, AND STRUCTURAL FAILURE.
10. U.S. PATENT #5,746,912; CDN PATENT #2,195,822

SPECIFICATIONS
PIPE SIZE: 4 INCH PVC SCH 40
INSTALLATION: BURIED
ACCESSWAY SIZE: 24 INCHES

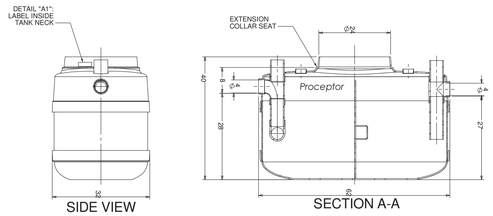
OPTIONS

US PAT. # 5746912
Proceptor®
(ZURN GREEN TURTLE
MANUFACTURER:
PROCEPTOR MODEL NUMBER:
STANDARDIZED TO 150 and 65MS A112.14.3
RATED FLOW 150 GPM (RATED VOLUME): 150 US GAL.
RATED FLOW
EFFICIENCY AT THE RATED CAPACITY: TYPE A
EFFICIENCY AT THE RATED CAPACITY: 90%
MAX VERTICAL DISTANCE FROM TOP OF TANK 6 FT.
MAX VERTICAL DISTANCE
MONTH/YEAR OF MANUFACTURE:

DETAIL "A1"



TOP VIEW



SECTION A-A

SIDE VIEW

ISOMETRIC VIEW

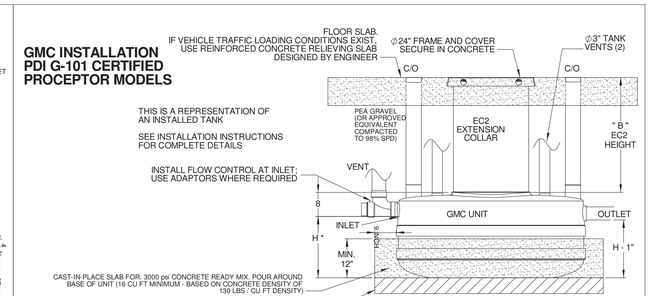
Must be installed with flow control device supplied with each unit

TOTAL WET VOLUME:	150 GAL
MAX. GREASE CAPACITY:	66 GAL
MAX SOLIDS CAPACITY:	48 GAL

ASME A112.14.3 CERTIFIED
RATED FLOW100 GPM
TYPE A
EFFICIENCY AT THE RATED CAPACITY95%
PRODUCT TYPE BY RATING
CONSULT LOCAL AUTHORITIES FOR MINIMUM SIZE OF SEPARATORS

TITLE: PROCEPTOR® O.G. SEPARATOR.. GMC 150
PROJECT: WO:
NOTES:
Proceptor® ZURN
DWG. NO: A.GMC-150 REV: 3
SCALE:1:20 DO NOT SCALE DRAWING SHEET 1 OF 1

GMC INSTALLATION PDI G-101 CERTIFIED PROCEPTOR MODELS



SEPARATOR MODEL	INLET INVERT TO TANK BOTTOM (H")	DRY WEIGHT OF TANK
GMC-150	28"	175 lbs

Must Be Installed With Supplied Flow Control Device as Shown in Drawing

MATERIAL:		NAME	DATE	TITLE: GMC PDI G-101 CERTIFIED PROCEPTOR MODELS INSTALL	DWG. NO: GT0271	REV:
	DRAWN					SIZE:
DO NOT SCALE DRAWING	CHECKED					

Proceptor® ZURN

6 P6.03 OIL / SOLIDS SEPARATOR DETAILS
1/8" = 1'-0"

ARCHITECT
HCM Design, Inc.
700 E. Pratt St, Suite 1200, Baltimore, MD 21202
p. 410. 837. 7311

STRUCTURAL ENGINEER
Morabito Consultants
952 Ridgebrook Road, suite 1700, Sparks MD 21152
p. 410.467.2377

FOOD SERVICE
Scopos Hospitality Group
300 West Chestnut Street, Suite 201, Ephrata, PA 17522
p. 717.733.5810

INTERIOR DESIGNER
Merlino Design Partnership, Inc.
2200 Renaissance Blvd, Suite 300, Gulph Mills, PA 19406
p. 610.313.9550

MEPFP ENGINEER
LAN Associates
Engineering, Planning, Architecture Surveying, LLP
252 Main Street, Goshen, NY 10924
p. 201.447.6400

HCM / LCS

BROADVIEW
SENIOR LIVING AT PURCHASE COLLEGE

BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - COMMONS BUILDING

hord | coplan | macht

ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

STATE OF NEW YORK · THOMAS WIGHARD · 090385 · LICENSED PROFESSIONAL ENGINEER

LAN ASSOCIATES
Engineering, Planning, Architecture, Surveying, LLP
LAN JOB #13382.01
PROFESSIONAL CERTIFICATION: I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF NEW YORK.
LICENSE NUMBER: 090385
EXPIRATION DATE: 10/31/23

no.	date	revision

Project Name
BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - COMMONS BUILDING
Project Number
1308.01
Date
4/30/2021
Scale
1/8" = 1'-0"
Drawing
PLUMBING DETAILS

P6.03

PERMIT / GMP SET

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