

GENERAL NOTES

1. ALL WORK PERFORMED SHALL BE DONE IN STRICT ACCORDANCE TO ALL APPLICABLE MECHANICAL, BUILDING, ENERGY, FUEL GAS, AND LOCAL CODES, WITH AMENDMENTS.
2. WHERE USED, THE TERM "PROVIDE" SHALL MEAN "FURNISH AND INSTALL".
3. COORDINATE MECHANICAL WORK WITH ELECTRICAL, ARCHITECTURAL, STRUCTURAL, CIVIL AND LANDSCAPE WORK SHOWN ON OTHER CONTRACT DOCUMENTS. PROVIDE ADDITIONAL OFFSETS FOR COORDINATED INSTALLATION WHERE REQUIRED.
4. COORDINATE HVAC, PLUMBING, AND FIRE PROTECTION WORK PRIOR TO INSTALLATION. DUCTWORK AND EQUIPMENT ACCESS TAKES PRECEDENCE OVER ALL PIPING EXCEPT GRAVITY SYSTEMS FOR AVAILABLE SPACE.
5. COORDINATE EQUIPMENT CONNECTIONS WITH MANUFACTURERS' CERTIFIED DRAWINGS. COORDINATE AND PROVIDE DUCT AND PIPING TRANSITIONS REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE DUCT AND PIPING DIMENSIONS BEFORE FABRICATION.
6. CLEAN THE JOB SITE DAILY AND REMOVE FROM THE PREMISES ANY DIRT AND DEBRIS CAUSE BY THE PERFORMANCE OF THE WORK INCLUDED IN THIS CONTRACT. BEFORE SUBSTANTIAL COMPLETION, CLEAN EQUIPMENT, FIXTURES, EXPOSED DUCTS, PIPING AND SIMILAR ITEMS.
7. PROVIDE EQUIPMENT THAT FITS INTO THE SPACE ALLOTTED AND ALLOWS ADEQUATE ACCEPTABLE CLEARANCE FOR INSTALLATION, REPLACEMENT, SERVICING, AND MAINTENANCE. COORDINATE WITH OTHER TRADES TO ENSURE NO CONFLICT WITH REQUIRED CLEARANCES.
8. CONTRACTOR SHALL OBTAIN & PAY FOR ALL PERMITS AND CONSTRUCTION FEES. FURNISH FINAL CERTIFICATE TO OWNER SHOWING COMPLIANCE WITH CODE REQUIREMENTS.
9. REFER TO TYPICAL DETAILS PROVIDED IN THIS DRAWING SET FOR DUCTWORK, PIPING, AND EQUIPMENT INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR CONFORMANCE WITH DETAILS.
10. A SHORT DASH IN A SCHEDULE TABLE CELL INDICATES THAT THE COLUMN HEADING IS NOT USED OR NOT APPLICABLE TO THAT SCHEDULED ITEM.
11. ALL PIPING & DUCTWORK IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN A FURRED CHASE OR ABOVE THE HARD LID CEILING. COORDINATE WITH ARCHITECTURAL DOCUMENTS FOR FURRING & CHASE LOCATIONS & SIZES.
12. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH NFPA 70 STANDARDS AND LOCAL REQUIREMENTS.
13. ALL FIELD WIRING SHALL REQUIRE AN ELECTRICAL PERMIT AND SHALL BE PERFORMED BY A LICENSED ELECTRICIAN.
14. LOCATE VALVES, WATER HAMMER ARRESTERS, CLEANOUTS, DAMPERS, CONTROLS AND SIMILAR COMPONENTS SO THAT THEY ARE ACCESSIBLE. PROVIDE ACCESS DOORS FOR MECHANICAL EQUIPMENT INSTALLED BEHIND WALLS, ABOVE INACCESSIBLE CEILINGS AND BELOW FLOORS. COORDINATE ACCESS DOOR LOCATIONS WITH ARCHITECT/ENGINEER.
15. ACCESS PANELS SHALL BE 16 GA. STEEL, FLUSH TYPE ACCESS DOOR WITH CONCEALED HINGE AND SLOT SCREWDRIVER TYPE CAM LATCH. PROVIDE FACTORY PRIMED IN PAINTED SURFACE AREAS FOR FIELD PAINTING. PROVIDE STAINLESS STEEL FOR ALL OTHER AREAS. PROVIDE UL LISTED AND LABELED DOOR WHERE FIRE-RESISTANCE RATING IS INDICATED ON DRAWINGS. ACCESS DOOR SHALL BE SIZED SO THAT ADJACENT EQUIPMENT IS ACCESSIBLE. PROVIDE ACUDOR, ELMODOR, MILCOR, OR APPROVED.
16. INSTALL TAG ON CEILING GRID FRAME TO INDICATE LOCATION AND TYPE OF EQUIPMENT THAT REQUIRES MAINTENANCE.

PLUMBING:

1. DOMESTIC WATER TUBE, PIPE, FITTINGS, JOINING MATERIALS, SPECIAL TIES, PLUMBING EQUIPMENT, PLUMBING FIXTURES, PLUMBING FITTINGS AND ALL OTHER APPURTENANCES IN CONTACT WITH DRINKING WATER SHALL BE LEAD-FREE EXCEPT THOSE EXPLICITLY EXEMPTED IN SECTION 3874 OF THE SAFE WATER DRINKING ACT. LEAD-FREE SHALL MEAN (A) NOT CONTAINING MORE THAN 0.2 PERCENT LEAD WHEN USED WITH RESPECT TO SOLDER AND FLUX; AND (B) NOT MORE THAN A WEIGHTED AVERAGE OF 0.25 PERCENT LEAD WHEN USED WITH RESPECT TO WETTED SURFACES OF DOMESTIC WATER TUBE, PIPE, FITTINGS, JOINING MATERIALS, SPECIALTIES, PLUMBING EQUIPMENT, PLUMBING FIXTURES, AND PLUMBING FITTINGS.
2. PROVIDE 3 WFT HEAT TRACE FOR ALL DOMESTIC WATER PIPES PIPING & P-TRAPS IN UNHEATED, SEMI HEATED, OR LOW ENERGY SPACES.
3. PROVIDE WATER HAMMER ARRESTORS IN DOMESTIC WATER PIPING IN ACCORDANCE WITH PDI-WH201.
4. INSULATE HOT AND COLD WATER AND HEAT TRACED SYSTEMS PER WASHINGTON STATE ENERGY CODE C403.10.3.
5. CIRCULATION SYSTEM SHALL AUTOMATICALLY DISABLE PUMP WHEN THE WATER IN THE CIRCULATION LOOP TEMPERATURE REACHES THE SUPPLY TEMPERATURE AND SHALL NOT ENABLE PUMP UNTIL CIRCULATION LOOP TEMPERATURE IS A MINIMUM OF 10 dF LOWER THAN SUPPLY TEMPERATURE PER WSEC C404.7.1.
6. HEAT TRACE SYSTEM CONTROLS SHALL COMPLY WITH C404.7.2.
7. DISCHARGE TEMPERATURE OF PUBLIC LAVATORIES SHALL BE 104 DEGREES FAHRENHEIT.
8. PROVIDE R-10 INSULATED SURFACE UNDER ELECTRIC WATER HEATERS.
9. VALVES, EXPANSION FITTINGS/LOOPS, AND PIPING SPECIALTIES SHALL BE FULL SIZE OF PIPE UNLESS NOTED OTHERWISE.

APPLICABLE CODES

AS ADOPTED BY THE CITY OF PUYALLUP, WA

INTERNATIONAL MECHANICAL CODE, IMC 2018  
INTERNATIONAL BUILDING CODE, IBC 2018  
WASHINGTON STATE ENERGY CODE, WSEC 2018  
INTERNATIONAL FUEL GAS CODE, IFGC 2018  
UNIFORM PLUMBING CODE, UPC 2018

AND ASSOCIATED WASHINGTON ADMINISTRATIVE CODE AMENDMENTS

DESIGN CONDITIONS

WATER PRESSURE  
55 PSI

SCOPE OF WORK

1. PROVIDE NEW DOMESTIC COLD AND HOT WATER DISTRIBUTION SYSTEM.
2. PROVIDE NEW TRENCH DRAINS IN CAR WASH BAY. DRAINS LEAD TO OIL-WATER SEPARATOR (BY OTHERS).
3. PROVIDE NEW ELECTRIC WATER HEATER.

ABBREVIATIONS

(E)	EXISTING
AABC	AMERICAN AIR BALANCE COUNCIL
AFF	ABOVE FINISHED FLOOR
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY
AG	AIR GAP
AGA	AMERICAN GAS ASSOCIATION
AHRI	AIR CONDITIONING, HEATING, & REFRIGERATION INSTITUTE
AMP	AMPERAGE
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR CONDITIONING ENGINEERS
	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASME	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AW	ACID WASTE
BAS	BUILDING AUTOMATION SYSTEM
BHP	BRAKE HORSEPOWER
CB	CATCH BASIN
CFH	CUBIC FEET PER HOUR
CI	CAST IRON
CO	CLEANOUT
CONFIG	CONFIGURATION
CSA	CANADIAN STANDARDS ASSOCIATION
CW	COLD WATER
DB	DRY BULB
DC	DOUBLE CHECK
DDC	DIRECT DIGITAL CONTROLS
dF	DEGREES FAHRENHEIT
DFU	DRAINAGE FIXTURE UNIT
DIA	DIAMETER
DN	DOWN
DX	DIRECT EXPANSION
EFF	EFFICIENCY
ESP	EXTERNAL STATIC PRESSURE
ETC	ET CETERA
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FLA	FULL LOAD AMPS
FM	FACTORY MANUAL
FPM	FEET PER MINUTE
FS	FLOOR SINK
FT	FEET
GA	GAUGE
GAL	GALLON
GPF	GALLONS PER FLUSH
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HB	HOSE BIBB
HP	HORSEPOWER
HR	HOUR
HW	HOT WATER
HWC	HOT WATER CIRCULATING
IBC	INTERNATIONAL BUILDING CODE
IFGC	INTERNATIONAL FUEL GAS CODE
IMC	INTERNATIONAL MECHANICAL CODE
IN	INCH
IPS	IRON PIPE SIZE
LAT	LATERAL
LB/LBS/#	POUND/ POUNDS
LF	LINEAR FEET
LVL	LEVEL
MAX	MAXIMUM
MBH	MILLIONS OF BRITISH THERMAL UNITS PER HOUR
MC	MECHANICAL CONTRACTOR
MCA	MAXIMUM CIRCUIT AMPACITY
MERV	MINIMUM EFFICIENCY REPORTING VALUE
MFG/MFR	MANUFACTURER
MIN	MINIMUM
MOPCI/ MOP	MAXIMUM OVER CURRENT PROTECTION
MSS	MANUFACTURER'S STANDARDIZATION SOCIETY
NEBB	NATIONAL ENVIRONMENTAL BALANCING BUREAU
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
OC	ON CENTER
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NO	NUMBER
NOM	NOMINAL
NPCW	NON-POTABLE COLD WATER
NPHW	NON-POTABLE HOT WATER
NPHWC	NON-POTABLE HOT WATER CIRC
NTS	NOT TO SCALE
PH	PHASE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH, GAUGE
PVC	POLYVINYL CHLORIDE
RP	REDUCED PRESSURE
RPM	REVOLUTIONS PER MINUTE
SD	STORM DRAIN
SF	SQUARE FEET
SPEC	SPECIFICATION
THRD	THREADED
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
UPC	UNIFORM PLUMBING CODE
V	VENT/ VOLT
VOLT	VOLTAGE
VRF	VARIABLE REFRIGERANT FLOW
VTR	VENT TO ROOF
VAV	VARIABLE AIR VOLUME
VERT	VERTICAL
W	WITH
W	WASTE
W.C.	WATER COLUMN
WCO	WALL CLEANOUT
WIN	WINTER
WSEC	WASHINGTON STATE ENERGY CODE
WSFU	WATER SUPPLY FIXTURE UNITS

FULL SIZED LEDGIBLE **COLOR** PLANS ARE REQUIRED TO BE PROVIDED BY THE PERMITTEE ON SITE FOR ALL INSPECTIONS **(MIN. PLAN SIZE 24" X 36")**

MECHANICAL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	EQUIPMENT ABBREVIATION AND NUMBER (TAG)		BRANCH-BOTTOM CONNECTION
	AIR TERMINAL TYPE, SIZE, AND CFM		CAP
	DETAIL NUMBER		PIPE ANCHOR
	DRAWING NUMBER WHERE DRAWN		PIPE GUIDE
	DOMESTIC COLD WATER (CW)		FLEXIBLE CONNECTION (PIPE)
	DOMESTIC HOT WATER (HW)		REDUCER
	DOMESTIC HOT WATER CIRCULATING (HWC)		SUCTION DIFFUSER
	SOIL, WASTE (S, W)		FLOOR DRAIN
	VENT (V), OR HIDDEN BELOW WASTE		FLOOR FUNNEL DRAIN
	EXISTING PIPING		FLOOR SINK
	DRAIN VALVE		TRAP PRIMER WITH ACCESS PANEL
	WALL HYDRANT		DRAIN
	MULTI-HEAD WALL HYDRANT		TEMPERATURE INDICATOR
	CROSSING LINES, NON CONNECTING		TEMPERATURE ELEMENT
	PIPE CONTINUATION		FLOW INDICATOR
	FLOW DIRECTION		FLOW ELEMENT
	PUMP		FLOW SWITCH
	WASTE/ VENT UP, SURFACE/ FLOOR CLEANOUT (Soo/FCO)		CONDUCTIVITY SENSOR
	WALL CLEANOUT		PRESSURE INDICATOR
	CLEANOUT (CO)		PRESSURE ELEMENT
	P-TRAP		DIFFERENTIAL PRESSURE ELEMENT
	PIPE DOWN		HUMIDISTAT (HSTAT)
	PIPE UP		HUMIDITY ELEMENT
	BRANCH-TOP CONNECTION		LOW WATER CUT OFF SWITCH

Approval of submitted plans is not an approval of omissions or oversights by this office or noncompliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable codes and regulations of the local government.

City of Puyallup

Building

ACCEPTED

JMontgomery

08/01/2023

12:25:37 PM

MIDDLEBROOK  
ENGINEERING, LLC

6216 174TH AVE SW  
LONGBRANCH, WA 98031  
253.765.6292

BRIAN SCOTT MIDDLEBROOK

STATE OF WASHINGTON

58770

REGISTERED

PROFESSIONAL ENGINEER

6/9/2023

LEGEND ABBREVIATIONS,  
AND GENERAL NOTES

SHEET TITLE

PRCT120221460

City of Puyallup  
Development & Permitting Services  
ISSUED PERMIT

Building

Planning

Engineering

Public Works

Fire

Traffic

PROJECT

ENTERPRISE RENT-A-CAR T.I.  
RIVER ROAD PLAZA SHOPPING CENTER  
733 RIVER ROAD, PUYALLUP, WA 98371

REVISIONS

NO	DESCRIPTION	DATE

DRAWN BY:

NMM

CHECKED BY:

BSM

PROJECT MANAGER:

MCB

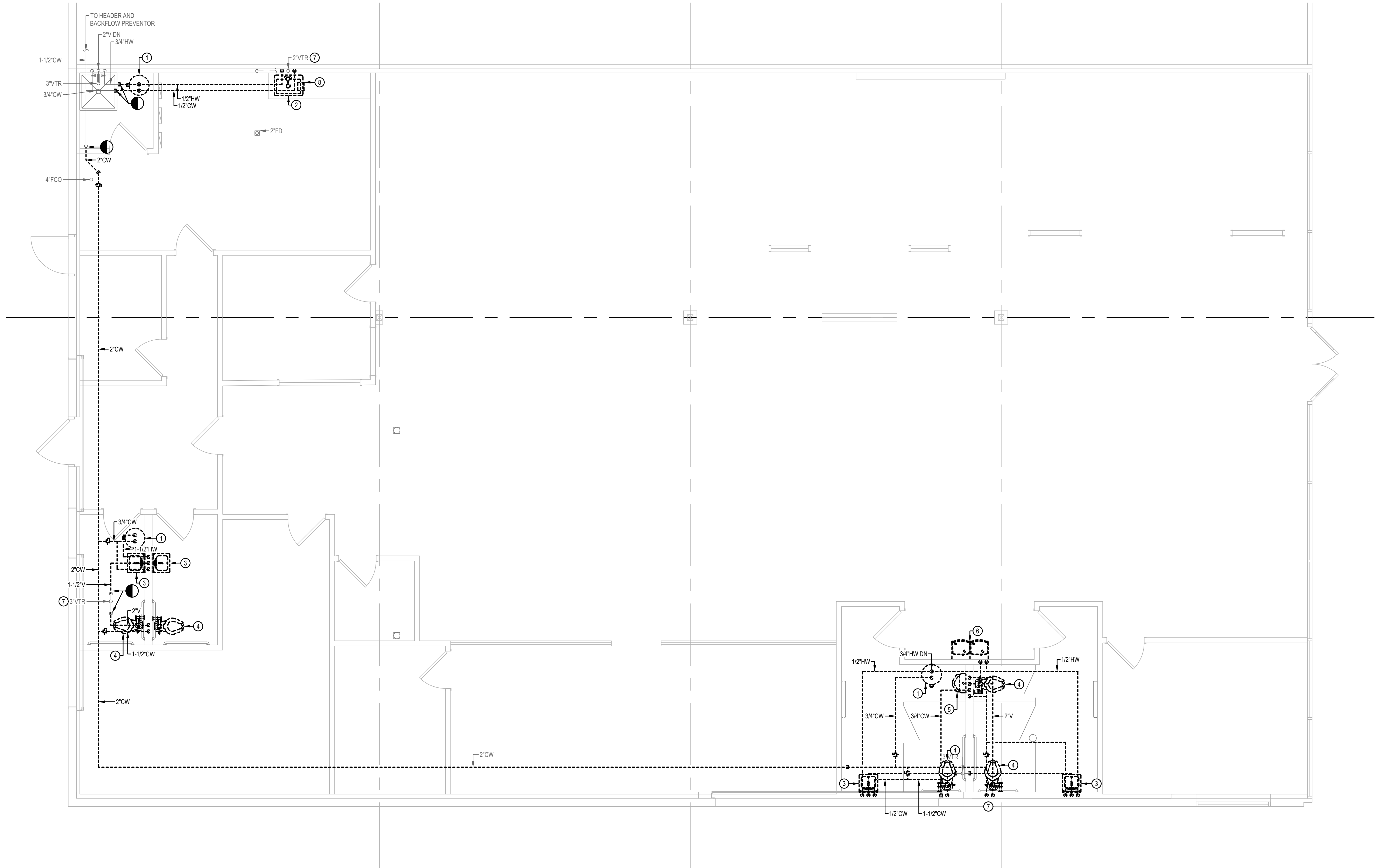
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SHEET

PP001





GENERAL NOTES

- THIS DRAWING WAS CREATED FROM AS BUILT DOCUMENTATION AND FIELD NOTES AND MAY NOT REPRESENT ACTUAL AS BUILT CONDITIONS. CONTRACTOR TO VERIFY SCOPE PRIOR TO COMMENCING WORK.
- LINE AND EQUIPMENT SHOWN DARK AND DASHED IS TO BE DEMOLISHED. LINE AND EQUIPMENT SHOWN LIGHT AND SOLID IS TO REMAIN.

PLAN NOTES

- REMOVE EXISTING ABOVE-CEILING WATER HEATER AND ALL RELATED APPURTENANCES AND PIPING.
- REMOVE EXISTING KITCHEN SINK AND ALL RELATED APPURTENANCES AND PIPING.
- REMOVE EXISTING LAVATORY AND ALL RELATED APPURTENANCES AND PIPING.
- REMOVE EXISTING WATER CLOSET AND ALL RELATED APPURTENANCES AND PIPING.
- REMOVE EXISTING URINAL AND ALL RELATED APPURTENANCES AND PIPING.
- REMOVE EXISTING DRINKING FOUNTAIN AND ALL RELATED APPURTENANCES AND PIPING.
- EXISTING VTR TO REMAIN FOR FUTURE RECONNECTION.
- REMOVE EXISTING UNDER COUNTER INSTANTANEOUS WATER HEATER AND ALL RELATED APPURTENANCES AND PIPING.

MIDDLEBROOK  
ENGINEERING, LLC

6216 174TH AVE SW  
LONGBRANCH, WA 98351  
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SHEET TITLE

PLUMBING DEMOLITION  
PLAN

PRCTI20221460

City of Puyallup  
Development & Permitting Services  
ISSUED PERMIT

Building

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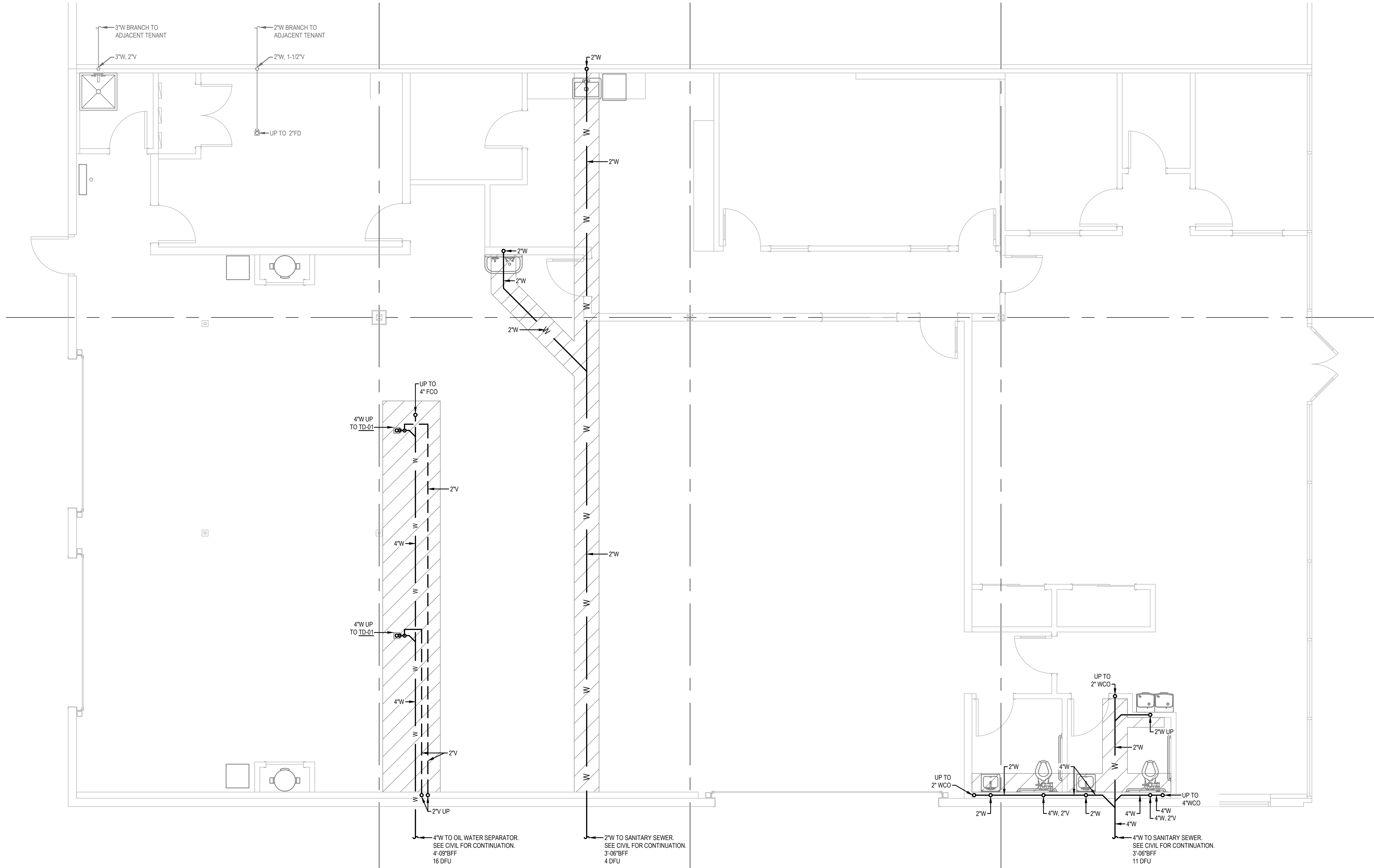
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SHEET

PD101





GENERAL NOTES

- 1. PIPING IS SCHEMATIC IN NATURE. CONTRACTOR TO PROVIDE ADDITIONAL FITTINGS AND OFFSETS AS REQUIRED TO INSTALL A COMPLETE AND FUNCTIONING SYSTEM.
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- 3. WASTE PIPING 4" AND LARGE SHALL BE SLOPED AT 1/8" PER FOOT. WASTE PIPING 3" AND SMALLER SHALL BE SLOPED AT 1/4" PER FOOT.
- 4. LINES AND EQUIPMENT SHOWN DARK IS NEW WORK. LINES AND EQUIPMENT SHOWN LIGHT IS EXISTING TO REMAIN.
- 5. PLANS ASSUME ELEVATION OF FLOOR IS SET AT 0 FEET. COORDINATE FINAL ELEVATIONS WITH STRUCTURAL AND CIVIL PLANS.
- 6. HATCHED AREAS INDICATE ANTICIPATED SLAB CUTTING REQUIRED TO FACILITATE UNDERGROUND SANITARY PIPING.

MIDDLEBROOK  
ENGINEERING, LLC

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BRIAN SCOTT MIDDLEBROOK  
STATE OF WASHINGTON  
53770  
REGISTERED  
PROFESSIONAL ENGINEER  
6/9/2023

FOUNDATION PLAN

PRCTI20221460

City of Puyallup  
Development & Permitting Services  
ISSUED PERMIT

Building

Planning

Engineering

Public Works

Fire

Traffic

PROJECT  
ENTERPRISE RENT-A-CAR T.I.  
RIVER ROAD PLAZA SHOPPING CENTER  
733 RIVER ROAD, PUYALLUP, WA 98371

REVISIONS

NO	DESCRIPTION	DATE

DRAWN BY:

NMM

CHECKED BY:

BSM

PROJECT MANAGER:

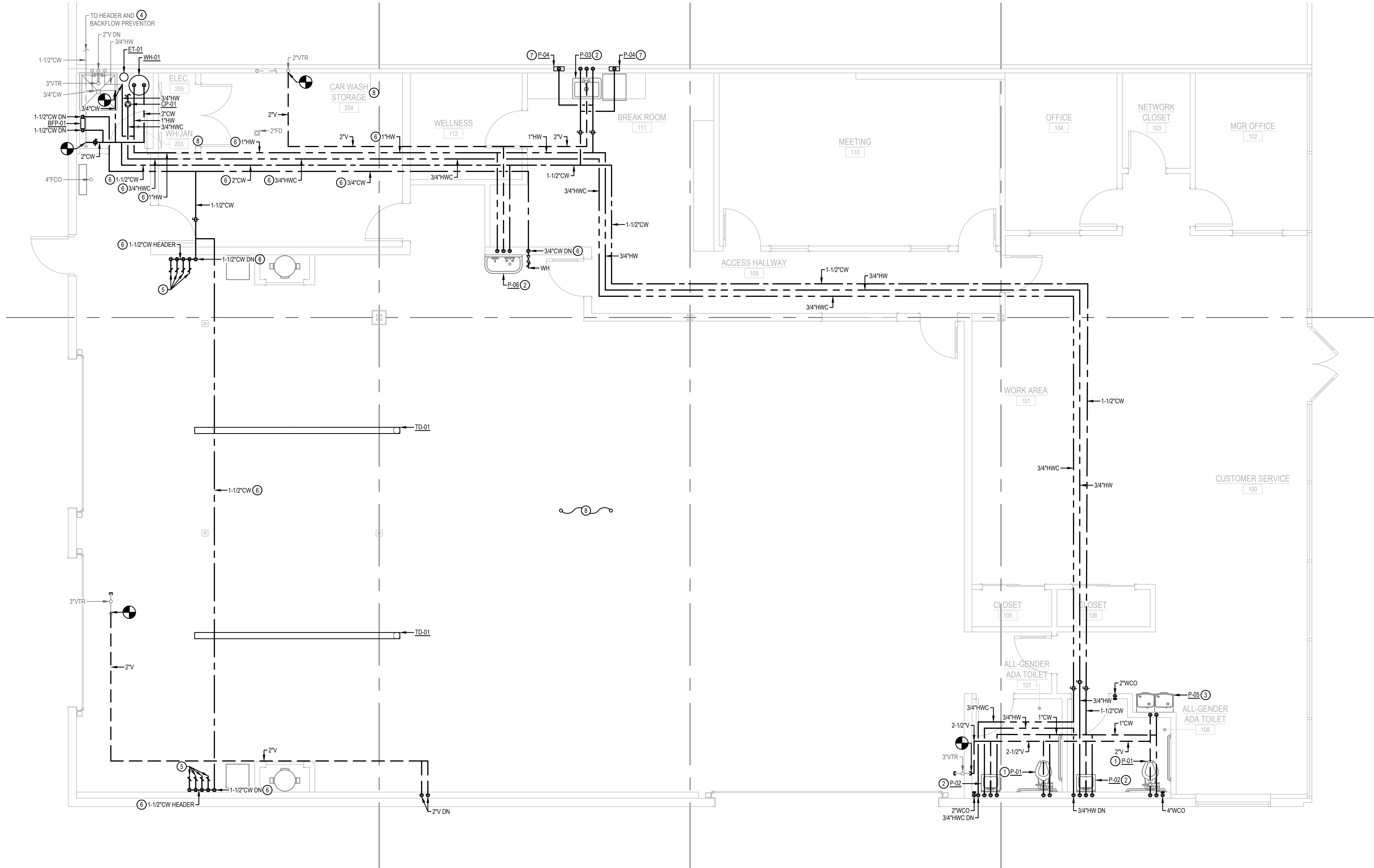
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PP101





**PLUMBING FLOOR PLAN**  
SCALE: 1/4" = 1'-0"

1 PP501 2 PP501 3 PP501 4 PP501 5 PP501 6 PP501 7 PP501 8 PP501 9 PP501 10 PP501 11 PP501 1 PP502 2 PP502 3 PP502

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**PLAN NOTES**

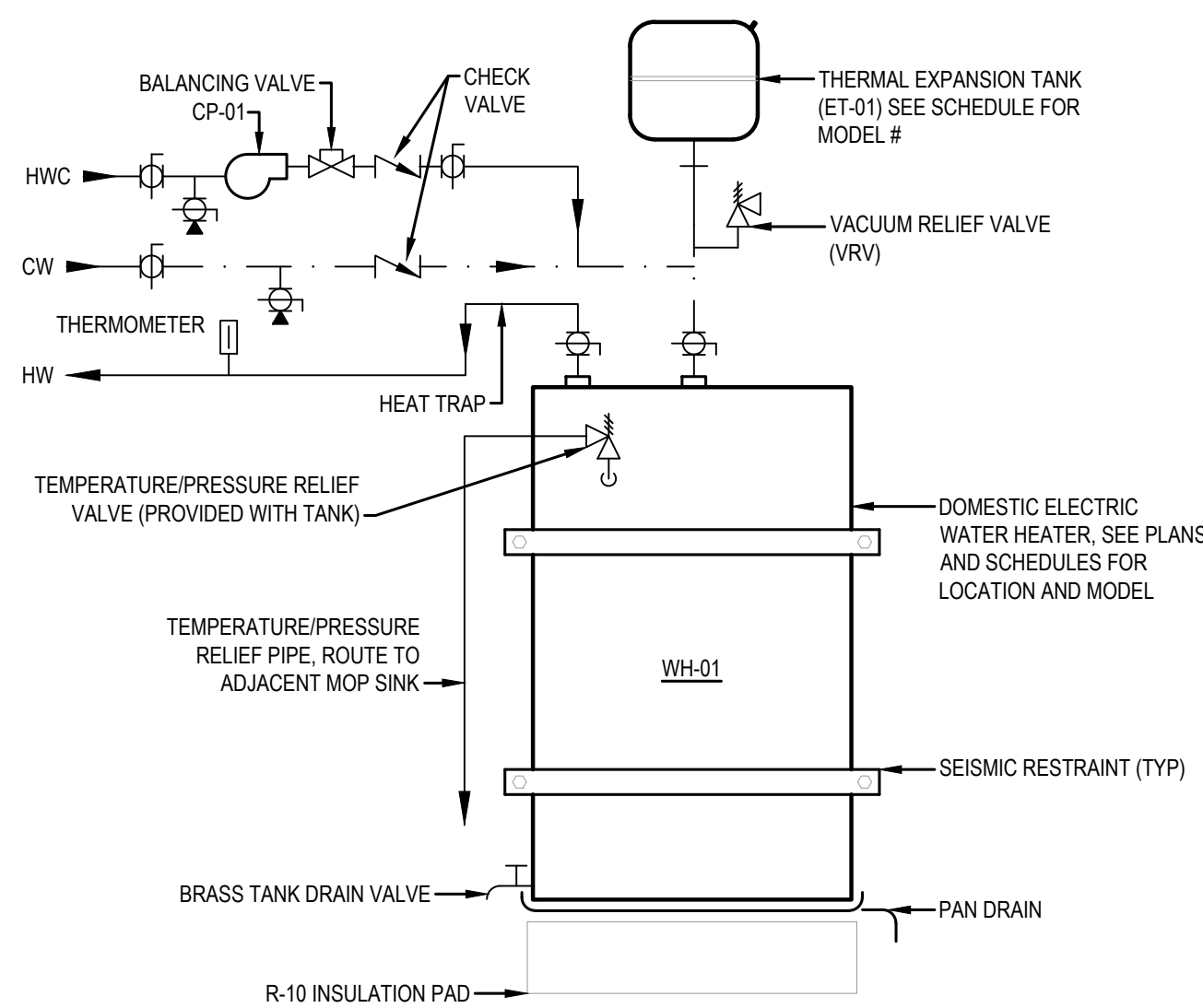
- 1 1"CW, 4"W, 2"V.
- 2 3/4"CW, 3/4"HW, 2"W, 1-1/2"V.
- 3 3/4"CW, 2"W, 1-1/2"V.
- 4 2"CW TO BACKFLOW PREVENTOR IN ADJACENT TENANT SPACE.
- 5 3/4"CW DROP WITH ISOLATION VALVE. TERMINATE WITH 3/4" HOSE-END CONNECTIONS LOCATED AT A HEIGHT COORDINATED IN A FIELD BY OWNER'S REPRESENTATIVE.
- 6 PROVIDE 3 W/LF HEAT TRACE FOR FREEZE PROTECTION. COORDINATE ELECTRICAL REQUIREMENTS WITH ELECTRICAL CONTRACTOR. BASED ON 120V, 1PH, 1500W TOTAL.
- 7 DOWN TO WALL SUPPLY BOX. COORDINATE FINAL HEIGHT, LOCATION AND CONNECTION REQUIREMENTS WITH OWNER/ARCHITECT PRIOR TO INSTALLATION.
- 8 ROOM IS A LOW ENERGY SPACE PER ARCHITECT. DOMESTIC PIPING IN AREA SHALL BE INSULATED AND HEAT TRACED.

REVISIONS		
NO	DESCRIPTION	DATE

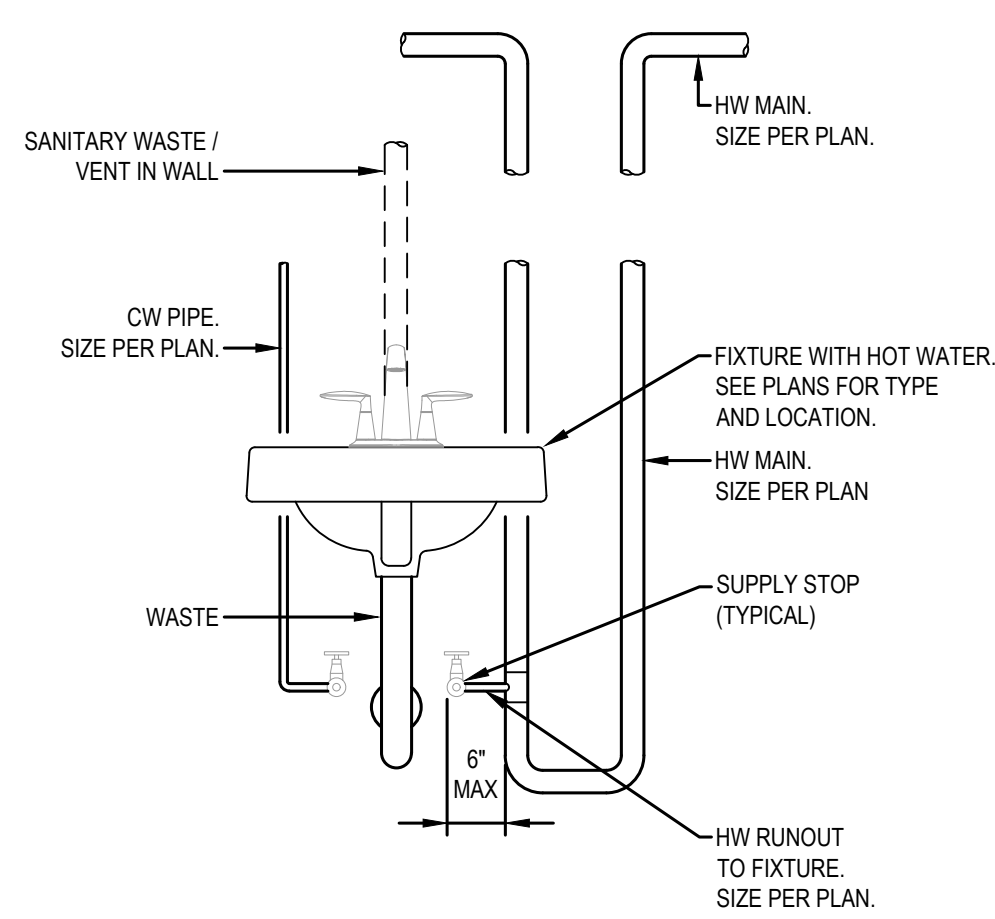
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PROJECT MANAGER: MCB

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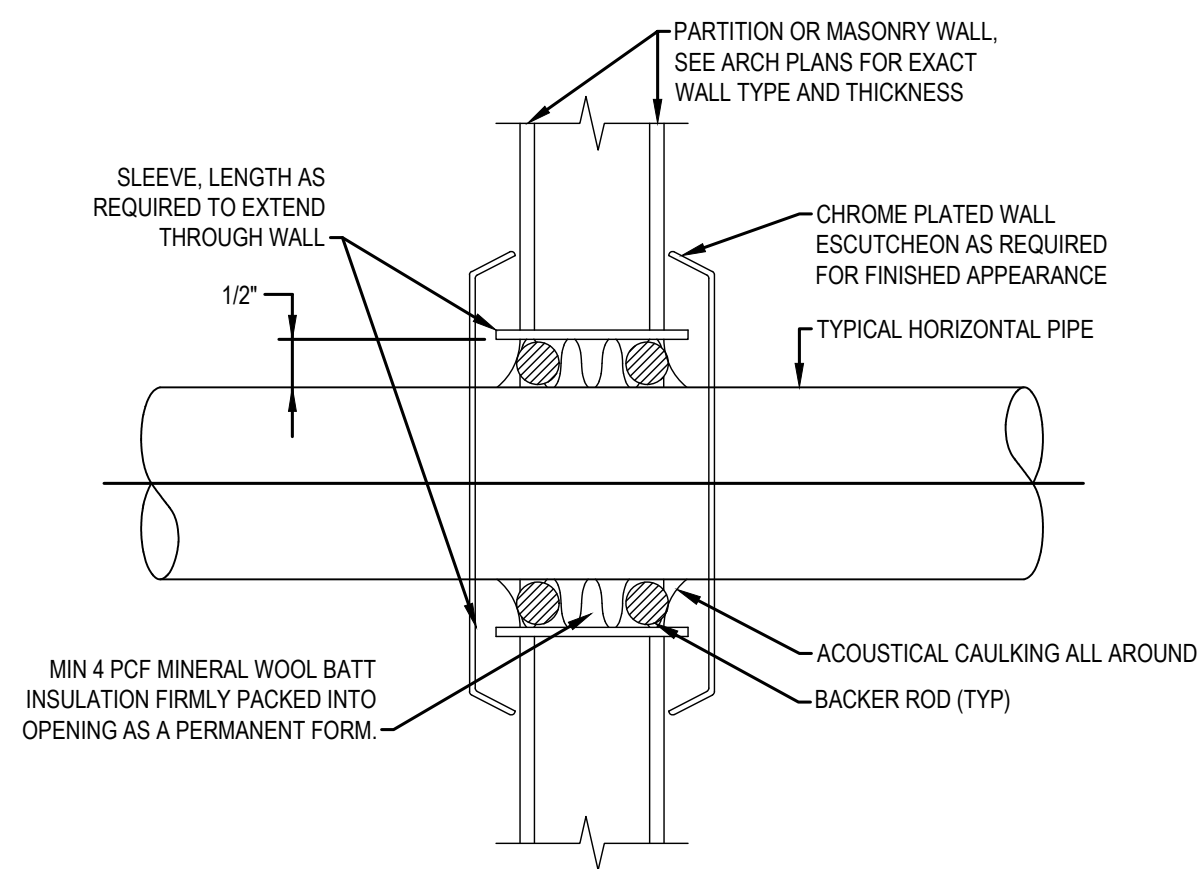




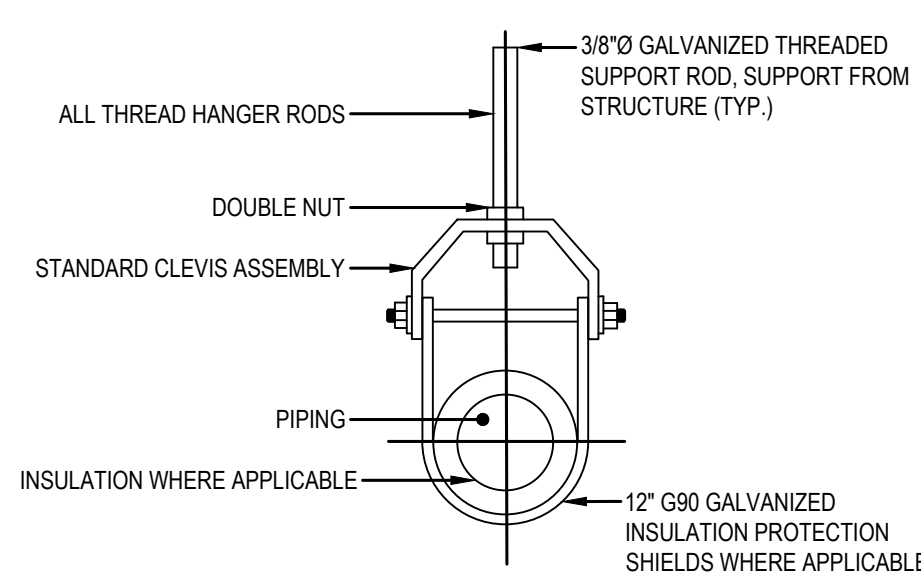
1 ELECTRIC WATER HEATER DIAGRAM  
SCALE: NTS



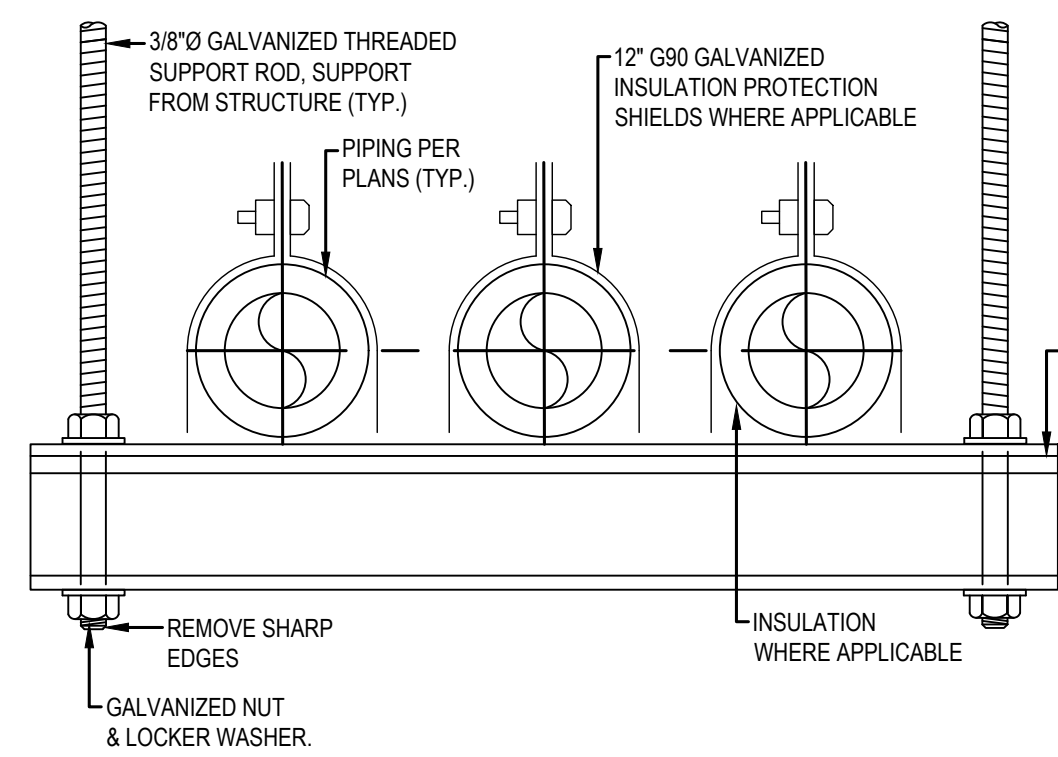
2 HOT WATER PIPE TO PLUMBING FIXTURE DETAIL  
SCALE: NTS



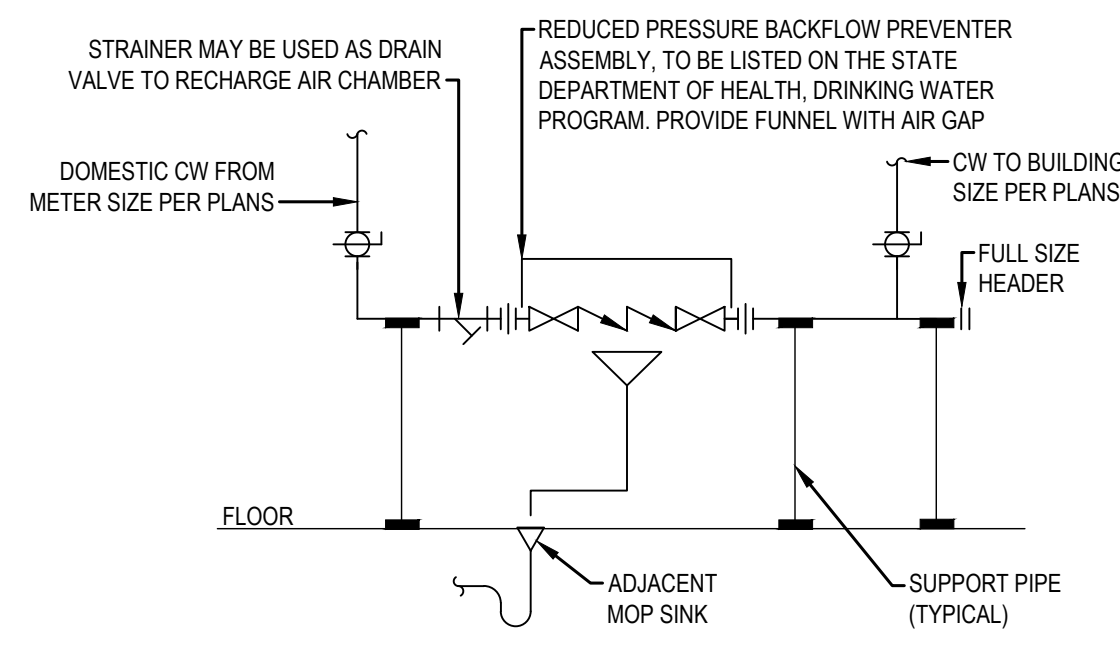
3 PIPE PENETRATION DETAIL  
SCALE: NTS



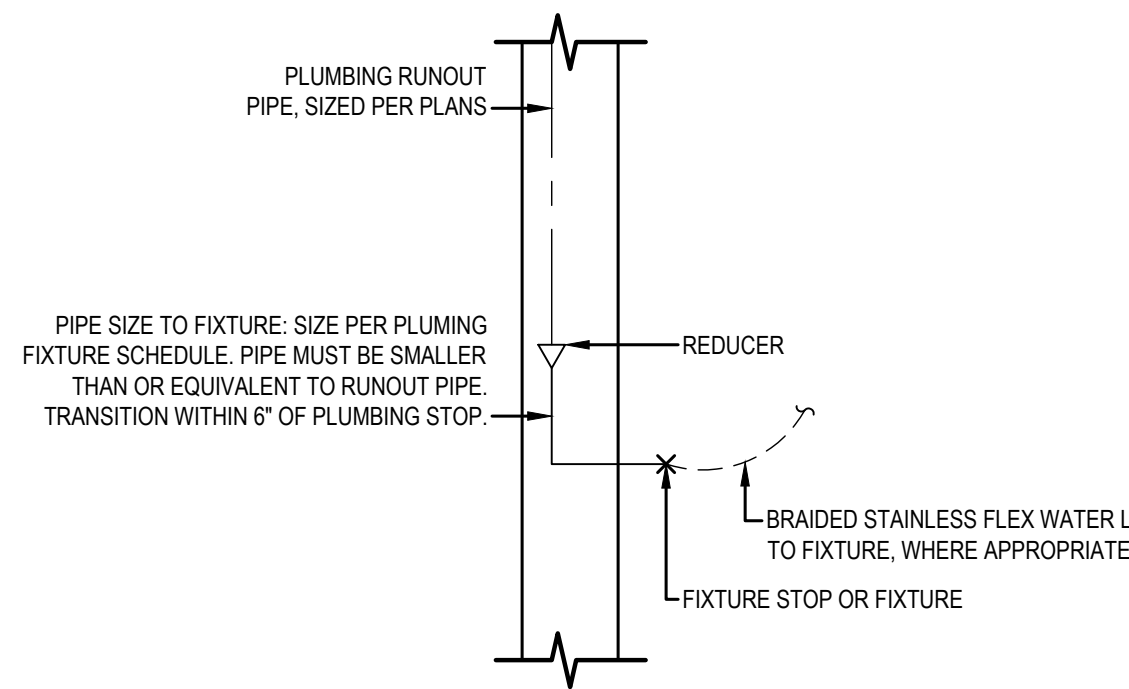
4 PIPE HANGER DETAIL  
SCALE: NTS



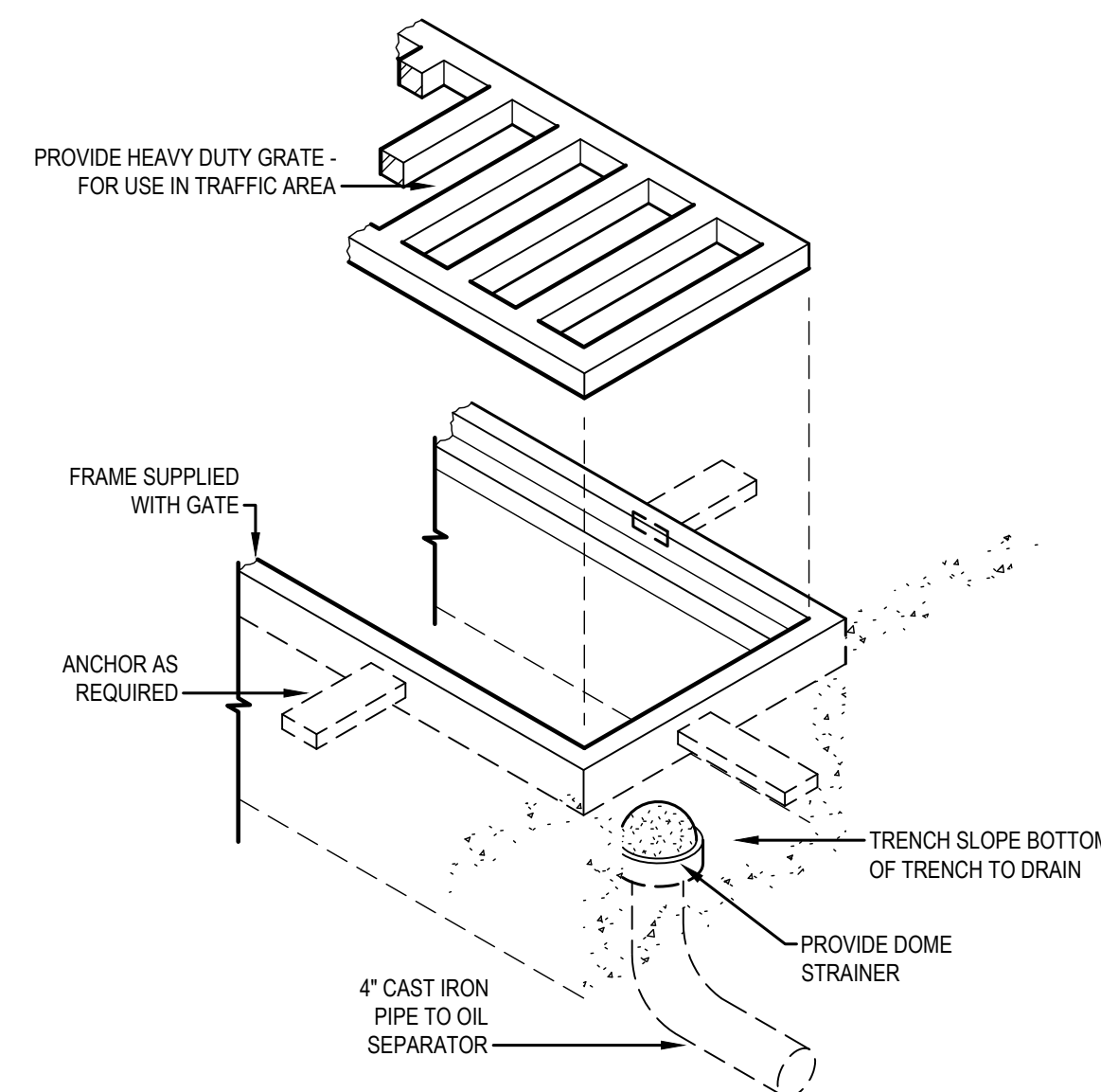
5 PIPE TRAPEZE DETAIL  
SCALE: NTS



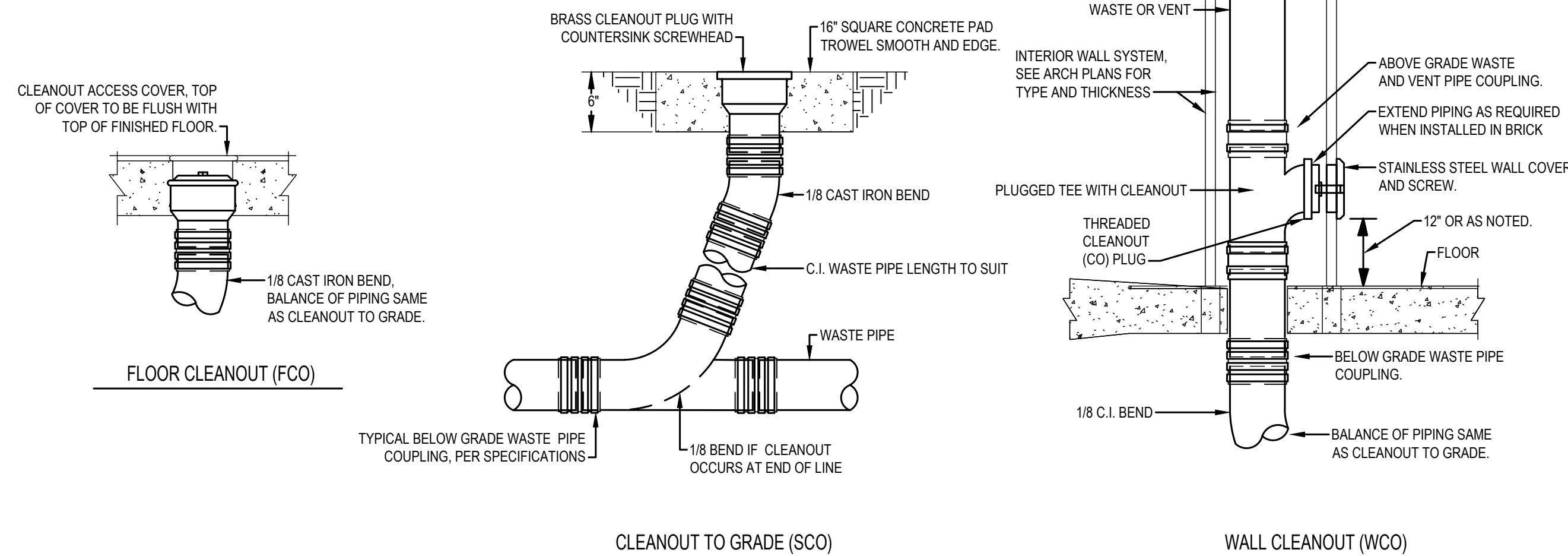
6 DOMESTIC WATER HEADER DETAIL  
SCALE: NTS



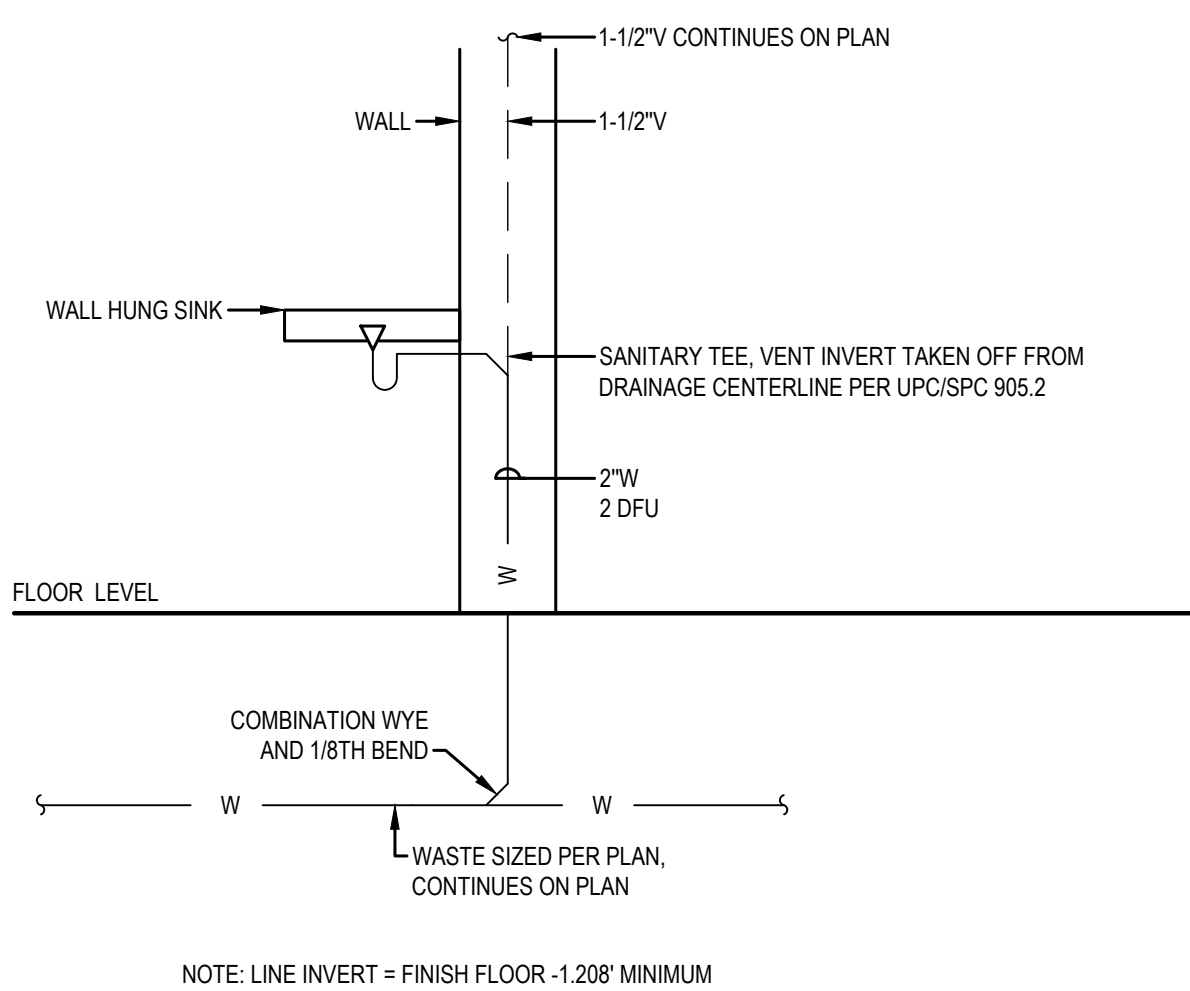
7 PLUMBING PIPE TO FIXTURE STOP TRANSITION  
SCALE: NTS



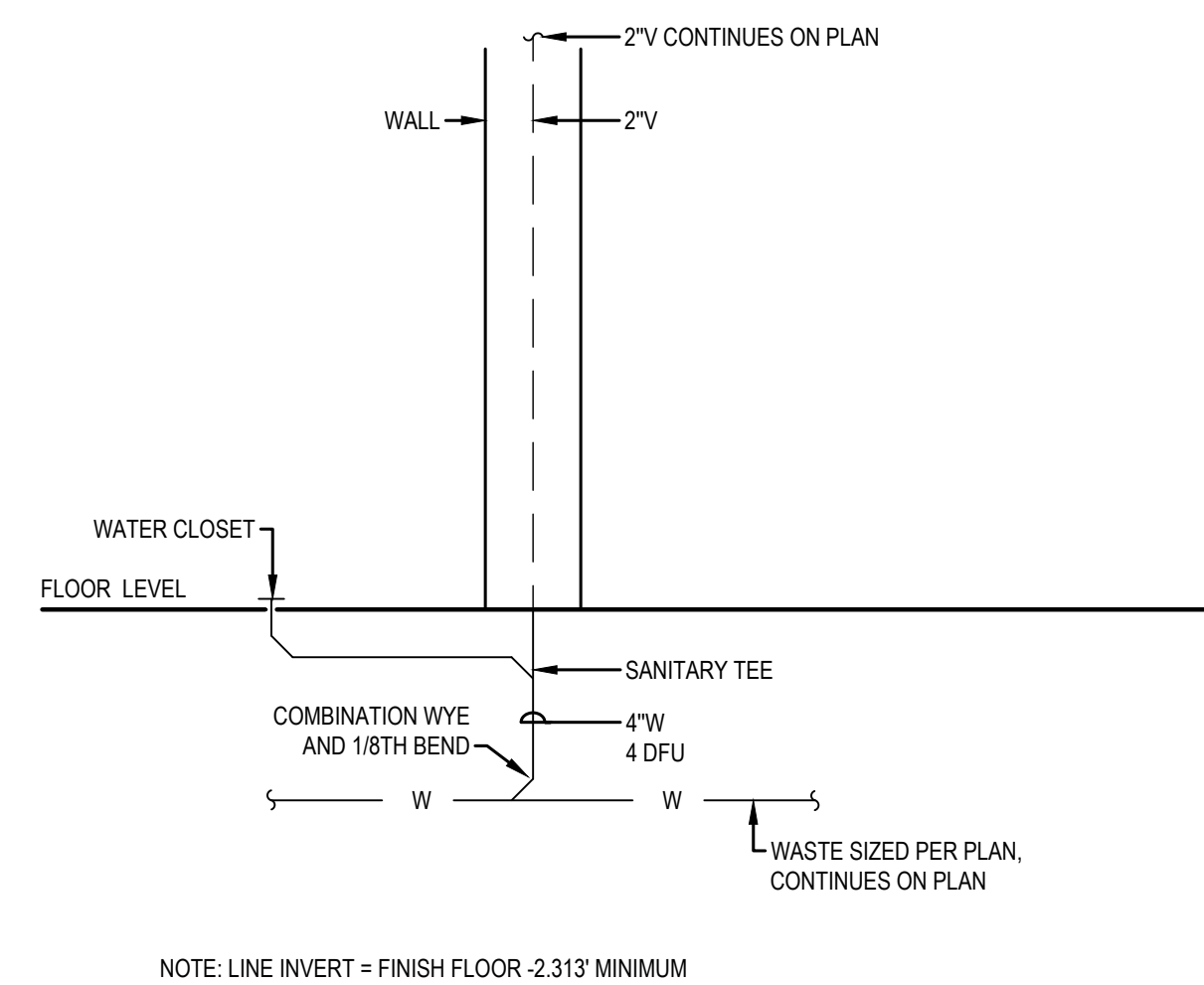
8 TRENCH DRAIN DETAIL  
SCALE: NTS



9 CLEANOUT DETAIL  
SCALE: NTS



10 TYPICAL SINK WASTE RISER  
SCALE: NTS

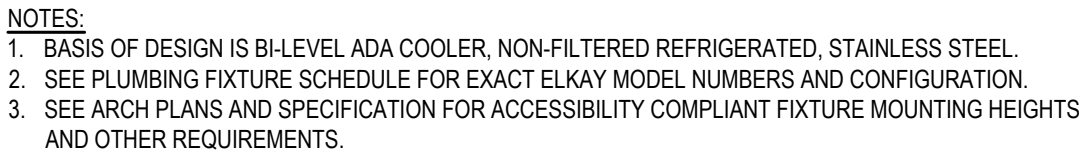


11 FLOOR MOUNTED WATER CLOSET WASTE RISER  
SCALE: NTS

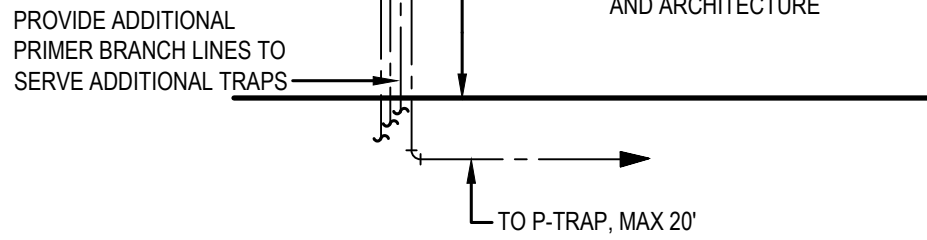




## 1 LAVATORY WASTE RISER



## 2 DRINKING FOUNTAIN



### 3 TRAP PRIMER PIPING DIAGRAM

REVISIONS		
NO	DESCRIPTION	DATE

DRAWN BY:	NMM
CHECKED BY:	BSM
PROJECT MANAGER:	MCB



UNIT NO	FIXTURE	MOUNTING	MANUFACTURER AND MODEL NUMBERS	W	V	HW	CW	GPF	GPM	NOTES
P-01	WATER CLOSET	FLOOR	TOILET: SLOAN ST-2009	4"	2"	-	1"	1.28	-	1, 3
			SEAT: BEMIS 1955SSCT	-	-	-	-	-	-	3
			VALVE: SLOAN ROYAL 111-1.28	-	-	-	1"	-	-	
P-02	LAVATORY ADA	DROP-IN	LAVATORY: AMERICAN STANDARD 0476.028	2"	1-1/2"	-	-	-	-	
			FAUCET: CHICAGO FAUCETS 802-V317ABCP	-	-	3/8"	3/8"	-	0.5	1, 2
			SUPPLIES: EBC - LAH16	-	-	3/8"	3/8"	-	-	
P-03	1-COMPARTMENT SINK	DROP-IN	SINK: ELKAY/DAYTON - D11719	2"	1-1/2"	-	-	-	-	
			FAUCET: ELKAY - LK1500	-	-	3/8"	3/8"	-	1.5	1, 4
			SUPPLIES: EBC - LAH16	-	-	3/8"	3/8"	-	-	
P-04	APPLIANCE CONNECTION	WALL	UNIT: OATEY - MODA 37905	-	-	3/4"	3/4"	-	-	6
P-05	ADA DRINKING FOUNTAIN W/ BOTTLE FILL	WALL	UNIT: ELKAY - EZSDWSLK	-	1-1/2"	-	3/4"	-	-	1, 8
P-06	EMERGENCY EYEWASH	WALL	UNIT: GUARDIAN - G1750P W/ G62020 TMV	-	-	3/4"	3/4"	-	0.5	1, 10
FCO	FLOOR CLEANOUT	FLOOR	UNIT: JR SMITH - 4040	-	-	-	-	-	-	5
WCO	WALL CLEANOUT	WALL	UNIT: JR SMITH - 4422	-	-	-	-	-	-	5
TD-01	TRENCH DRAIN	FLOOR	UNIT: JR SMITH 9930	4"	2"	-	-	-	-	7, 9, 11

GENERAL NOTES:

- EQUIPMENT MAY BE SUBSTITUTED UPON ENGINEER'S APPROVAL FOR EQUAL OR OTHER MFG/MODEL. REFER TO EQUIPMENT SUBMITTAL FOR FINAL SELECTIONS.
- TRANSITION PIPE SIZE SHOWN ON PLAN TO STOP OR CONNECTION SIZE SHOWN ON SCHEDULE.
- IF COLOR/FINISH OPTIONS EXIST FOR FIXTURES, COORDINATE FINAL COLORS/FINISHES WITH ARCHITECT.

NOTES:

- ADA COMPLIANT FIXTURE. COORDINATE FIXTURE HEIGHT WITH ARCHITECT.
- MAXIMUM DELIVERY TEMPERATURE SHALL BE 105 DEGREES FAHRENHEIT. PROVIDE WITH BELOW DECK MIXING VALVE. WATTS-LFUSG-B OR APPROVED EQUAL.
- PROVIDE WITH BOLTS AND BOLT COVERS.
- COORDINATE HOLES IN COUNTERTOP/WALL FOR FIXTURE INSTALLATION.
- COORDINATE SIZES WITH PLANS.
- PROVIDE HOT AND/OR COLD WATER SUPPLIES PER APPLIANCE CONNECTION REQUIREMENTS.
- PROVIDE WITH TRAP PRIMERS.
- EC TO PROVIDE 115V/60HZ/1PH CONNECTION.
- PROVIDE HEAVY DUTY LOAD CLASS C TRAFFIC RATING AND STAINLESS PERFORATED GRATE.
- PROVIDE WITH FACTORY TMV FOR TEPID TEMPERATURE DELIVERY. MAXIMUM DELIVERY TEMPERATURE SHALL BE 90°F.



11. COORDINATE FINAL LENGTH WITH SLAB SLOPING PER ARCHITECTURAL.

WATER HEATER SCHEDULE															
UNIT NO	MFR.	MODEL	LOCATION	TANK SIZE (GAL)	ELEMENT KW	INPUT KW	RECOVERY (GPH)	TEMP RISE (F)	ELECTRICAL				DISCONNECT FURN. BY	WEIGHT	NOTES
									MCA	MOCP	VOLT	PH			
WH-01	AO SMITH	LTE 66D	WH/UAN 203	66	6.1	12.2	56	90	51	65	240	1	EC	795	1, 2, 3, 4, 5
NOTES															
1. PROVIDE DRIP PAN AND R-10 INSULATED PAD. T&P PIPING TO DRAIN AT ADJACENT FLOOR SINK.															
2. PROVIDE SEISMIC RESTRAINT.															
3. ENSURE UNIT FITS IN MECHANICAL ROOM BEFORE PROCUREMENT.															

BACKFLOW PREVENTER SCHEDULE										
UNIT NO	MFR	MODEL	LOCATION	TYPE			SIZE (IN)	PRESSURE DROP (PSI)	SERVICE	NOTES
				RP	DC	AG				
BFP-01	WATTS	LF009	WH/JAN 203	X	-	X	1.5	12	NON-POTABLE	1, 2
NOTES: 1. PROVIDE WITH 1" AIR GAP FITTING. 2. PROVIDE WITH QUARTER TURN VALVES.										

PUMP SCHEDULE												
UNIT NO	MFR	MODEL	LOCATION	FLOW (GPM)	HEAD FT	RPM	ELECTRICAL				DISCONNECT FURN. BY	NOTES
							HP	WATT	VOLTS	PH		
CP-01	ARMSTRONG	E7.B	WH/JAN 203	1	15	-	0.17	125	120	1	EC	1,2
NOTES: 1. PROVIDE WITH AQUASTAT AND TIMER AS UNIT STARTER. 2. PROVIDE WITH BRONZE BODY. UNIT SHALL BE CERTIFIED FOR POTABLE WATER.												

EXPANSION TANK SCHEDULE							
UNIT NO	MFR	MODEL	LOCATION	TANK SIZE (GAL)	ACCEPTANCE FACTOR	WEIGHT (LBS)	NOTES
ET-01	AMTROL	ST-12	WH/JAN 203	4.4	0.73	10	1
NOTES:							
1. RELIEF PRESSURE SHALL BE 125 PSI.							

 <b>MIDDLEBROOK</b> ENGINEERING, LLC 6216 174TH AVE SW LONGBEACH, WA 98351 253.765.9292			
 6/9/2023			
SHEET TITLE		SCHEDULES	
PROJECT TITLE			
PRCTI20221460			
City of Puyallup Department of Planning and Permitting Services ISSUED PERMIT			
Planning		Public Works	
Engineering		Traffic	
PROJECT ENTERPRISE RENT-A-CAR T.I. RIVER ROAD PLAZA SHOPPING CENTER 733 RIVER ROAD, PUYALLUP, WA 98371			
REVISIONS			
NO	DESCRIPTION	DATE	
DRAWN BY:		NMM	
CHECKED BY:		BSM	
PROJECT MANAGER:		MCB	
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