

DRAWING SIZE 24" X 36"

PLOT SCALE:

XREF NAME:

FILE NAME:

SYMBOLS AND ABBREVIATIONS

Abbv.	Description	Abbv.	Description	Abbv.	Description
ABV	ABOVE	FT	FEET	L	LAVATORY
AFF	ABOVE FINISHED FLOOR	GAL	GALVANIZED	MAX	MAXIMUM
AFG	ABOVE FINISHED GRADE	GPM	GALLONS PER MINUTE	MECH	MECHANICAL
AP	ACCESS PANEL	GPF	GALLONS PER FLUSH	MIN	MINIMUM
BEL	BELOW	HB	HOSE BIBB	MTD	MOUNTED
BFP	BACKFLOW PREVENTION	IN	INCHES	NTS	NOT TO SCALE
CI	CAST IRON	ICW	INDUSTRIAL COLD WATER	OD	OVERFLOW DRAIN
CLG	CEILING	IW	INDIRECT WASTE	POC	POINT OF CONNECTION
COTG	CLEAN-OUT TO GRADE	TYP	TYPICAL	POD	POINT OF DISCONNECTION
CW	COLD WATER	V	SANITARY VENT	PSI	POUNDS PER SQUARE INCH
DIA	DIAMETER	VTR	VENT THRU ROOF	RD	ROOF DRAIN
DN	DOWN	W	WASTE	S	SINK/SOIL
DWG	DRAWING(S)	W/	WITH	SD	STORM DRAIN
EXIST	EXISTING	WC	WATER CLOSET	SOV	SHUT-OFF VALVE
FCO	FLOOR CLEAN-OUT	WCO	WALL CLEAN-OUT	SS	SANITARY SEWER
FF	FINISHED FLOOR	WHA	WTR HAMMER ARRESTOR	TP	TRAP PRIMER

Symbol	Description	Symbol	Description
	DOMESTIC COLD WATER		FLOOR CLEANOUT
	SANITARY VENT		CLEANOUT TO GRADE
	SOIL, WASTE		WALL CLEANOUT
	INDIRECT WASTE		POINT OF DISCONNECT
	STORM DRAIN		
	OVERFLOW DRAIN		



DRAWN BY:

MARC S. FARMER
ENERGY & DUCT SYSTEMS
40492 CLARK DRIVE
HEMET, CA 92544
951-425-0100

Pipe Material Schedule

SERVICE		COPPER TYPE "M"	COPPER TYPE "L"	COPPER TYPE "K"	CAST IRON	BLACK STEEL	GALV. STEEL	VITRI. CLAY	SDR-26	POLYETHYLENE PIPE	Notes
WATER PIPING	INSIDE		X								
	OUTSIDE			X							
SANITARY DRAIN	INSIDE				X						* SEE NOTE BELOW
	OUTSIDE								X		
SANITARY VENT	INSIDE				X						* SEE NOTE BELOW
	OUTSIDE				X						
STORM DRAIN	INSIDE				X						* SEE NOTE BELOW
	OUTSIDE				X						
INDIRECT DRAIN	INSIDE		X								
	OUTSIDE		X								
CONDENSATE DRAIN	INSIDE	X									
	OUTSIDE	X									
GAS PIPING	INSIDE					X					POLYETHYLENE PIPE BELOW GRADE W/ TRACE WIRE.
	OUTSIDE									X	

NOTE:ABS PIPE MAY BE USED ONLY WHEN FIRST APPROVED IN WRITING BY THE ADMINISTRATIVE AUTHORITY.

GENERAL NOTES

- BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, AND CHARACTERISTICS OF ALL UTILITIES AND PIPING AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
- EXACT LOCATIONS, MOUNTING HEIGHTS AND COLORS OF PLUMBING FIXTURES SHALL BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS.
- SEE ARCHITECTURAL DRAWINGS FOR HANDICAP FIXTURE LOCATIONS AND MOUNTING HEIGHTS. INSULATE ALL EXPOSED HOT WATER AND DRAIN PIPING BELOW HANDICAP LAVATORIES AND SINKS PROVIDE NEOPRENE TRAP COVERS. NO INSULATION TAPE PERMITTED.
- THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS WITH UTILITY COMPANIES FOR SERVICE AND CONNECTION AND SHALL MAKE APPLICATIONS FOR SERVICE AND PAY ALL FEES,
- ALL PLUMBING WORK SHALL BE INSTALLED SO AS TO AVOID INTERFERENCE WITH ELECTRICAL AND MECHANICAL EQUIPMENT AND STRUCTURAL FRAMING.
- ALL CLEANOUTS SHALL BE INSTALLED WHERE ACCESSIBLE.
- ALL PLUMBING FIXTURE VENTS TO TERMINATE A MIN.. OF 12 INCHES FORM ANY VERTICAL SURFACE AND 10 FEET FROM OR 3 FEET ABOVE ANY OUTSIDE AIR INTAKES NO FLAG POLING PERMITTED.
- ALL PIPING DISCHARGING INTO FLOOR-SINKS AND /OR FLOOR DRAINS SHALL MAINTAIN MIN.. AIR-GAP AS REQUIRED BY LOCAL CODES.
- ALL VALVES, UNIONS, ETC.. TO BE THE SAME SIZE AS LINE SIZE UNLESS OTHERWISE INDICATED ON DRAWINGS.
- UNIONS SHALL BE PROVIDED AND INSTALLED AFTER EACH SCREW-TYPE VALVE AND PRIOR TO EQUIPMENT CONNECTIONS.
- ALL EQUIPMENT SHALL BE LATERALLY SUPPORTED N ALL DIRECTIONS TO RESIST A MIN.. OF 150% OF THE EQUIPMENT OPERATING WEIGHT, ALL PIPING AND PLUMBING EQUIPMENT SHALL BE INSTALLED PER SMACNA SEISMIC RESTRAINT GUIDELINES.
- ALL WORK AND MATERIAL SHALL BE PERFORMED AD INSTALLED IN COMPLIANCE WITH THE LATEST CODES AS ADOPTED AND AMENDED BY THE INSPECTING AUTHORITY. NOTHING IN THESE DRAWINGS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES FOR OTHERS APPLICABLE TO THIS PROJECT.
- BEFORE FABRICATION OR INSTALLATION, THIS CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT AND EQUIPMENT PROVIDED UNDER ANOTHER SECTION OF SPECIFICATIONS. EXACT ROUGH-IN LOCATIONS AND REQUIREMENTS SHALL BE COORDINATED IN FIELD.
- ALL PLUMBING FIXTURES, FAUCETS SHALL BE CERTIFIED THE THE GOVERNING ENERGY EFFICIENCY STANDARDS.
- THE PLUMBING CONTRACTOR SHALL COORDINATE ALL REQUIREMENT FOR ALL POINTS OF CONNECTION WITH THE GENERAL CONTRACTOR AND OTHER TRADES PRIOR TO BID.
- ALL SOIL, WASTE, AND VENT PIPING SHALL SLOPE AT 2% UNLESS OTHERWISE INDICATED.
- ALL VALVES, TRAP PRIMERS, OR OTHER EQUIPMENT SHOWN IN WALL OR ABOVE NON-ACCESSIBLE CEILINGS SHALL BE INSTALLED BEHIND AND ACCESS PANEL.
- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH AND BE CONSIDERED TO BE A PART OF THE SEPARATE AND COMPLETE MECHANICAL SPECIFICATIONS.
- CONTRACTOR SHALL VERIFY EQUIPMENT CONNECTIONS AND INSTALLATION PROCEDURES WITH MANUFACTURERS.
- ALL FLOOR DRAINS AND FLOOR SINKS TO HAVE TRAP PRIMERS.
- NOTIFY USA PERM ALERT OR LOCAL UTILITY LOCATION SERVICE, TO LOCATE ALL UTILITIES PRIOR TO EXCAVATION.
- ALL CONTROL VALVES AND SHOWER HEADS SHALL BE LOCATED ON THE SIDEWALL OF THE SHOWER COMPARTMENTS OR BE OTHERWISE ARRANGED SO THAT THE SHOWER HEAD DOES NOT DISCHARGED DIRECTLY AT THE ENTRANCE TO THE COMPARTMENT AND THE BATHER CAN ADJUST THE VALVES PRIOR TO STEPPING INTO THE SHOWER SPRAY.
- FLUSH VOLUMES AND FLOW RATES:
WATER CLOSETS: 1.28 GALLONS PER FLUSH
LAV FAUCETS: 0.4 GALLONS PER MINUTE (SINKS & LAVS)
SHOWER HEADS: 2.0 GALLONS PER MINUTE
URINALS: 0.5 GALLON PER FLUSH

- ALL PLUMBING MATERIAL AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES AND ORDINANCES. NO EXTRA COST SHALL BE ALLOWED FOR WORK TO BE CORRECTED BECAUSE OF CODE VIOLATIONS.
- CONTRACTOR SHALL VERIFY ALL CONDITIONS IN FIELD PRIOR TO START OF ANY WORK TO ASSURE THE INSTALLATION CAN BE PROPERLY EXECUTED.
- PLUMBING LAYOUTS AS INDICATED ON THE DRAWINGS ARE DIAGRAMMATIC ONLY. EXACT LOCATION OF PIPING SHALL BE VERIFIED AND DETERMINED IN FIELD BY THE CONTRACTOR.
- POINT OF CONNECTION TO THE UTILITY STUBS PIPING SHALL BE VERIFIED IN FIELD BY THE CONTRACTOR. EXACT LOCATION OF POINT OF CONNECTION MAY VARY BASED ON THE ACTUAL FIELD CONDITIONS.
- INVERT ELEVATION OF SANITARY SEWER AND CLEARANCE OF ROUTING SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO INSTALLATION OF NEW SANITARY SEWER PIPING.
- ALL PIPING SHALL BE CONCEALED IN FURRED CEILING OR WALL UNLESS FURRED SPACE IS NOT AVAILABLE. LOCATION OF EXPOSED PIPING SHALL BE APPROVED BY THE ARCHITECT AND OWNER.
- TEST ALL PIPING FOR LEAKS PRIOR TO COVER UP.
- SEE STRUCTURAL DRAWINGS FOR PLACEMENT OF PIPES BENEATH, THROUGH, OR ADJACENT TO FOOTINGS.
- MAINTAIN 9" CLEARANCE BETWEEN PIPING, EQUIPMENT ETC..
- ALL PIPE PENETRATIONS THROUGH ROOF WILL BE THROUGH PROPER ROOF FLASHING, MINIMUM HEIGHT 8 INCHES.
- CROSS CONNECTION PROTECTION SHALL BE PROVIDED AT ALL POTABLE WATER SUPPLY APPLIANCES AND EQUIPMENT.
- UNLESS PROHIBITED BY STRUCTURAL CONDITIONS, EACH VENT SHALL RISE VERITCALLY TO A POINT NOT LESS THAN SIX INCHES ABOVE FLOOD RIM OF THE FIXTURE SERVED BEFORE OFFSETTING HORIZONTALLY, AND WHENEVER TOW OR MORE VENT PIPES CONVERGE, EACH SUCH VENT PIPE SHALL RISE TO A POINT AT LEAST SIX INCHES IN HEIGHT ABOVE THE FLOOD RIM OF THE FLUMBING FIXTURE IT SERVES BEFORE BEING CONNECTED TO ANY OTHER VENT. VENTS LESS THAN SIX INCHES ABOVE THE FLOOD LEVEL RIM OF THE FIXTURE SHALL BE INSTALLED WITH APPROVED DRAINAGE FITTINGS, MATERIAL AND GRADE TO THE DRAIN. CPC SEC. 905.3
- PROVIDE FOR ADEQUATE PROTECTION AGAINST BREAKAGE FOR PIPING PASSING THROUGH CONCRETE FLOORS AND WALLS. SLEEVES SHALL BE PROVIDED TO PROTECT ALL PIPING THROUGH CONCRETE OR MASONRY EXTERIOR BEARING WALLS.
- HOT & COLD WATER TO BE INSULATED MIN... 1/2 INCH MELAMINE FOAM PIPE INSULATION.
- HOT WATER NOT TO EXCEED 120°F.
- PROVIDE WATER HAMMER ARRESTORS AT CLOTHES WASHING ,MACHINES, DISHWASHERS, ICE MAKERS, AND ALL FAST CLOSING POSITIVE SHUT-OFF VALVES.
- ALL HOSE BIBS TO HAVE ANTI-SIPHON DEVICES.
- CONDENSATE DRAINS RUN TO PROPER RECEPTORS OVERFLOWS RUN TO EXTERIOR VISIBLE LOCATIONS.
- NO PLUMBING VENTS TO PENETRATE FRONT ROOF AREA.
- THE SANITARY AND STORM DRAINAGE SYSTEM OF A BUILDING SHALL BE ENTIRELY SEPARATE.
- ALL POTABLE WATER PIPING SHALL BE THOROUGHLY FLUSHED. ALL POTABLE TO BE DISINFECTED IN STRICT ACCORDANCE WITH THE LATEST VERSION OF AWWA C651.
- ALL SEWER, WASTE, VENT, STORM DRAINAGE, GAS, AND WATER PIPING TO BE NEW EXCEPTED AS NOTED.
- FIELD VERIFY ALL UTILITIES AND THEIR LOCATIONS.
- DRAINAGE PIPING OVER STORAGE AREAS SHALL BE KEPT TO A MINIMUM AND SHALL NOT BE EXPOSED. SPECIAL PRECAUTIONS SHALL BE TAKEN TO PROTECT THESE AREAS FROM POSSIBLE LEAKAGE. CPC SECTION 311.9
- HAND WASH FIXTURES SHALL NOT BE EQUIPPED WITH AERATORS WHERE PROHIBITED BY FOOTNOTE 2, TABLE 4-2.
- EACH RISER OR BRANCH SHALL BE PROVIDED WITH AN ACCESSIBLE SECTIONALIZING VALVE IN HOT AND COLD WATER SYSTEMS TO PERMIT SERVICING OR REPLACEMENT OF PIPING OR EQUIPMENT. STOP VALVES SHALL BE PROVIDED AT EACH FIXTURE. CPC SECTION 605.5 & 612.8.
- ALL WORK SHALL COMPLY WITH THE 2013 CALIFORNIA PLUMBING CODE.

WHEELER & WHEELER

A R C H I T E C T S

ARCHITECTURE ■ INTERIORS ■ PLANNING

133 South Spring Street, Claremont, California 91711 909-624-5095 FAX 909-621-7757

PAUL S. WHEELER ARCHITECT C1218

MARLENE M. WHEELER ARCHITECT C1218

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PLUMBING GENERAL NOTES

INTERIOR T.I. FOR:

ORANGE COUNTY HEAD START

1231 E. CHAPMAN AVE.

Fullerton, CA 92831

APN NO. 283-175-07

DATE 2015 FEB 17	JOB NO. OCH-	DRAWN BY MSF/E&DS
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DRAWING NO.

P1

DRAWING SIZE 24" X 36" PLOT SCALE: XREF NAME: FILE NAME:

Fixture Data & Water Calculations

Fixture Description	HOT & COLD WATER				SEWER		
	No. of Fixtures	F.U. per Fixture	Total Fixture Units		No. of Fixtures	F.U. per Fixture	Total Fixture Units
			CW	HW			
(WC) WATER CLOSET FLUSH TANK 1.28 GPF	3	2.5	7.5	N/A	3	4.0	12.0
(L) LAVS 0.4 GPC	3	1.0	3.0	2.25	3	1.0	3.0
HAND SINKS 1.8 GPM	2	2.0	4.0	3.0	2	2.0	4.0
TOTALS	8	N/A	14.5	5.25	8	N/A	19.0

Plumbing Fixture Schedule

Symbol	Fixture	CW	HW	Waste	Vent	Trop	Description
WC-1	TOILET	1/2"	----	4"	2"	INT.	CHILD'S TWO-PIECE 10" HIGH ROUND FRONT TOILET FLOOR MOUNTED, FLUSH TANK TYPE, 1.28 GPF, SIPHON ACTION BOWL, SEE ARCH. PLANS, STYLE PER OWNER, RIGID SUPPLY, BOLTS & CAPS, LOCKING TANK DEVICE
L-1	LAV	1/2"	1/2"	2"	1 1/2"	1 1/4"	LAVATORY, 0.4 GPM SELF CLOSING/METERING FAUCET, WALL HUNG ADA COMPATIBLE, SEE ARCH. PLANS, STYLE PER OWNER, RIGID SUPPLY & BOLTS & CAPS THERMOSTATIC MIXING VALVE SET 104°F OR LESS
HS-1	HAND SINK	1/2"	1/2"	2"	1 1/2"	1 1/2"	HAND SINK, 2.2 GPM FAUCET, STYLE PER OWNER REFERENCE EQUIPMENT SCHEDULES
WH-1	WATER HEATER	1-1/2"	1-1/2"	----	----	----	WATER HEATER IS EXISTING
WHA-1	WATER HAMMER ARRESTOR	----	----	----	----	----	PISTON OPERATED WATER HAMMER ARRESTOR WATER HAMMER ARRESTORS CERTIFIED A.S.S.E. AND ANSI STANDARDS. MATCH SPECIFIC MODEL TO FIXTURE UNIT CAPACITY. ACCESSIBLE BEHIND LOCABLE STAINLESS STEEL PANELS.

2013 CGC TABLE 5.303.2.3

Fixture Type	Maximum Flow Rate at 20% Reduction
SHOWERHEADS	2 GPM @ 80 PSI
LAVATORY FAUCETS-NONRESID	0.4 GPM @ 60 PSI
KITCHEN FAUCETS	1.8 GPM @ 60 PSI
METERING FAUCETS	0.2 GALLONS/CYCLE
GRAVITY TANK TYPE WATER CLOSETS	1.28 GALLONS/FLUSH
FLUSHOMETER TANK TYPE WATER CLOSET	1.28 GALLONS/FLUSH
FLUSHOMETER VALVE WATER CLOSETS	1.28 GALLONS/FLUSH
URINALS	0.5 GALLONS/FLUSH

1. INCLUDES SINGLE AND DUAL FLUSH WATER CLOSETS WITH AN EFFECTIVE FLUSH OF 1.28 GALLONS OR LESS: SINGLE FLUSH TOILETS-THE EFFECTIVE FLUSH VOLUME SHALL NOT EXCEED 1.28 GALLONS. THE EFFECTIVE FLUSH VOLUME IS THE AVERAGE FLUSH VOLUME WHEN TESTED IN ACCORDANCE WITH ASME A 112.19.233.2.

DUAL FLUSH TOILETS-THE EFFECTIVE FLUSH VOLUME SHALL NOT EXCEED 1.28 GALLONS. THE EFFECTIVE FLUSH VOLUME IS DEFINED AS THE COMPOSITE AVERAGE FLUSH VOLUME OF TWO REDUCED FLUSHES AND ONE FULL FLUSH. FLUSH VOLUMES WILL BE TESTED IN ACCORDANCE WITH AME A 112.19.2 AND ASME A 112.19.14.

CGC 5.303.2.1 MULTIPLE SHOWERHEADS SERVING ONE SHOWER. WHEN SINGLE SHOWER FIXTURES ARE SERVED BY MORE THAN ONE SHOWERHEAD, THE COMBINED FLOW RATE OF ALL THE SHOWERHEADS SHALL NOT EXCEED THE MAXIMUM FLOW RATES SPECIFIED IN THE 20 PERCENT REDUCTION COLUMN CONTAINED IN TABLE 5.303.2.3 OR THE SHOWER SHALL BE DESIGNED TO ONLY ALLOW ONE SHOWERHEAD TO BE IN OPERATION AT A TIME.

CGC 5.304.3.1 LANDSCAPE IRRIGATION WATER USE SHALL HAVE WEATHER BASED CONTROLLERS.

CGC TABLE 5.303.6
STANDARDS FOR PLUMBING
FIXTURES AND FIXTURE FITTINGS

REQUIRED STANDARDS

WATER CLOSETS (TOILETS)- FLUSHOMETER VALVE TYPE SINGLE FLUSH, MAXIMUM VOLUME	ASME A112.19.2/ CSA B 45.1-1.28 GAL (4.8L)
WATER CLOSETS (TOILETS)-FLUSHOMETER VALVE TYPE DUAL FLUSH, MAXIMUMFLUSH VOLUME	ASME A 112.19.14 AMD USEPA WATERSENSE TANK TYPE HIGH EFFICIENCY TOILET SPECIFICATION 1.28 GAL (4.8L)
WATER CLOSETS (TOILETS)- TANK TYPE	U.S.EPA WATERSENSE TANK TYPE HIGH EFFICIENCY TOILET SPECIFICATION
URINALS, MAXIMUM FLUSH VOLUME	ASME A 112.19.2/ CSA B45.1 0.5 GAL (1.9L)
URINALS, NONWATER URINALS	ASME A 112.19.19 (VITREOUS CHINA) ANSI Z124.9-2004 OR IAPMO Z124.9 (PLASTIC)
PUBLIC LAVATORY FAUCETS: MAXIMUM FLOW RATE-0.5 GPM (1.9L/MIN)	ASME A 112.18.1/CSA B125.1
PUBLIC METERING SELF-CLOSING FAUCETS MAXIMUM WATER USE-0.25 GAL (1.0 L) PER METERING CYCLE	ASME A 112.18.1/CSA B125.1
RESIDENTIAL BATHROOM LAVATORY SINK FAUCETS: MAXIMUM FLOW RATE- 1.5 GPM (5.7 L/MIN)	ASME A 112.18.1/CSA B125.1

18. ALL WORK SHALL COMPLY WITH THE 2013 CALIFORNIA PLUMBING CODE.

PLUMBING NOTES

1.

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5. INVERT ELEVATION OF SANITARY SEWER AND CLEARANCE OF ROUTING SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO INSTALLATION OF NEW SANITARY SEWER PIPING.

6. ALL PIPING SHALL BE CONCEALED IN FURRED CEILING OR WALL UNLESS FURRED SPACE IS NOT AVAILABLE. LOCATION OF EXPOSED PIPING SHALL BE APPROVED BY THE ARCHITECT AND OWNER.

7. TEST ALL PIPING FOR LEAKS PRIOR TO COVER UP.

8. SEE STRUCTURAL DRAWINGS FOR PLACEMENT OF PIPES BENEATH, THROUGH, OR ADJACENT TO FOOTINGS.

9. MAINTAIN 9" CLEARANCE BETWEEN PIPING, EQUIPMENT ETC..

10. ALL PIPE PENETRATIONS THROUGH ROOF WILL BE THROUGH PROPER ROOF FLASHING, MINIMUM HEIGHT 8 INCHES.

11.CROSS CONNECTION PROTECTION SHALL BE PROVIDED AT ALL POTABLE WATER SUPPLY APPLIANCES AND EQUIPMENT (OTHER THAN THOSE LISTED IN INFORMATION BULLETIN #103)

PLUMBING SCHEDULES

INTERIOR T.I. FOR:
ORANGE COUNTY HEAD START
1231 E. CHAPMAN AVE.
Fullerton, CA 92831

DATE
2015 FEB 11

JOB NO.
OCH-

DRAWN BY
MSF/E&D5

DRAWING NO.
P2

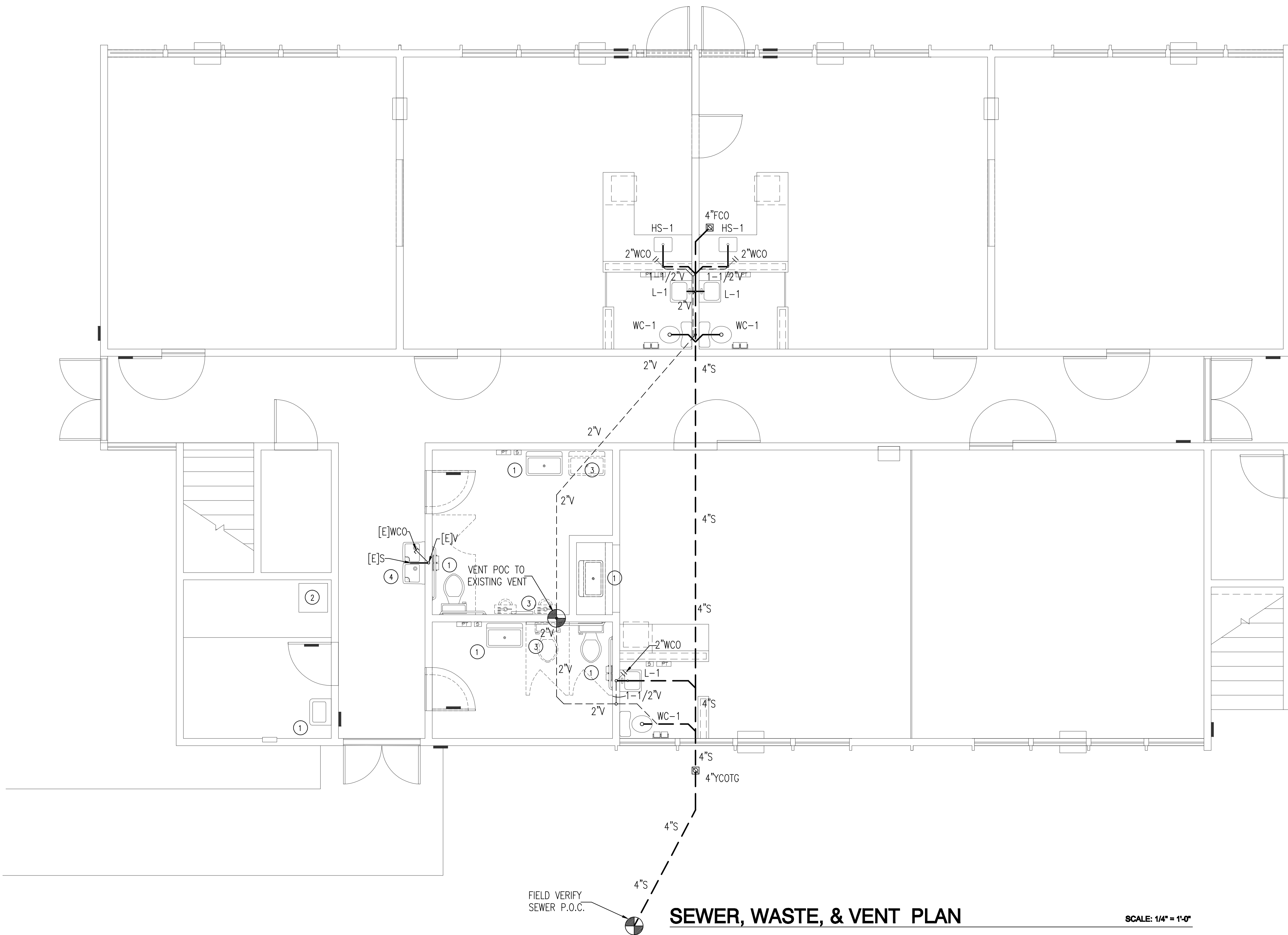
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NO. | DATE | REVISION

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PAUL S. WHEELER ARCHITECT C1218 MAUREN M. WHEELER ARCHITECT C1218

APN NO. 283-175-07

FILE NAME: XREF NAME: PLOT SCALE: DRAWING SIZE 24" X 36"



SEWER, WASTE, & VENT PLAN

SCALE: 1/4" = 1'-0"

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7. TEST ALL PIPING FOR LEAKS PRIOR TO COVER UP.
8. SEE STRUCTURAL DRAWINGS FOR PLACEMENT OF PIPES BENEATH, THROUGH, OR ADJACENT TO FOOTINGS.
9. MAINTAIN 9" CLEARANCE BETWEEN PIPING, EQUIPMENT ETC..
10. ALL PIPE PENETRATIONS THROUGH ROOF WILL BE THROUGH PROPER ROOF FLASHING, MINIMUM HEIGHT 8 INCHES.
11. CROSS CONNECTION PROTECTION SHALL BE PROVIDED AT ALL POTABLE WATER SUPPLY APPLIANCES AND EQUIPMENT (OTHER THAN THOSE LISTED IN INFORMATION BULLETIN #103)
12. SEISMIC STRAPPING OF WATER HEATER SHALL COMPLY WITH SECTION 507.2 CPC.
13. ALL HOSE BIBBS TO HAVE ANTI-SIPHON DEVICES.
14. HW & CW TO BE INSULATED MIN. 1/2" MELAMINE FOAM PIPE INSULATION.
15. HOT WATER NOT TO EXCEED 104°F.
16. PROVIDE WATER HAMMER ARRESTORS AT ALL FAST CLOSING POSITIVE SHUT-OFF VALVES.
17. PROVIDE FOR ADEQUATE PROTECTION AGAINST BREAKAGE FOR PIPING PASSING THROUGH CONCRETE FLOORS AND WALLS. SLEEVES SHALL BE PROVIDED TO PROTECT ALL PIPING THROUGH CONCRETE OR MASONRY EXTERIOR BEARING WALL CPC. 312
18. UNLESS PROHIBITED BY STRUCTURAL CONDITIONS, EACH VENT SHALL RISE VERTICALLY TO A POINT NOT LESS THAN SIX INCHES ABOVE THE FLOOD RIM OF THE FIXTURE SERVED BEFORE OFFSETTING HORIZONTALLY, AND WHEN EVER TWO OR MORE VENT PIPES CONVERGE, EACH SUCH VENT PIPE SHALL RISE TO A POINT AT LEAST SIX INCHES IN HEIGHT ABOVE THE FLOOD RIM OF THE PLUMBING FIXTURE IT SERVERS BEFORE BEING CONNECTED TO ANY OTHER VENT. VENTS LESS THAT SIX INCHES ABOVE THE FLOOD LEVEL RIM OF THE FIXTURE SHALL BE INSTALLED WITH APPROVED DRAINAGE FITTINGS, MATERIAL, AND GRADE TO THE DRAIN. 2013 CPC 906.0
19. ALL WORK SHALL COMPLY WITH THE 2013 CALIFORNIA PLUMBING CODE.

NOTES

1. EXISTING PLUMBING FIXTURE TO REMAIN.
2. EXISTING WATER HEATER TO REMAIN.
3. REMOVED PLUMBING FIXTURES, SEWER, VENT, AND WATER LINES, TO BE CAPPED AND SEALED BELOW FINISHED FLOORS, IN WALLS, AND OR ABOVE CEILINGS. SEE ARCHITECT'S PLANS FOR NUMBER OF FIXTURES AND LOCATIONS.
4. EXISTING DRINKING FOUNTAIN TO BE REMOVED. NEW BI-LEVEL FOUNTAIN TO BE INSTALLED. CONNECT NEW DRINKING FOUNTAIN TO EXISTING SEWER AND VENT. SEE ARCHITECTS SHEET ADA-2.0 DETAIL #10.



DRAWN BY:

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ENERGY & DUCT SYSTEMS
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SEWER, WASTE & VENT PLAN

INTERIOR T.I. FOR:

ORANGE COUNTY HEAD START

1231 E. CHAPMAN AVE.

Fullerton, CA 92831

APN NO. 283-175-07

DATE
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MSF/E&DS

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WHEELER & WHEELER

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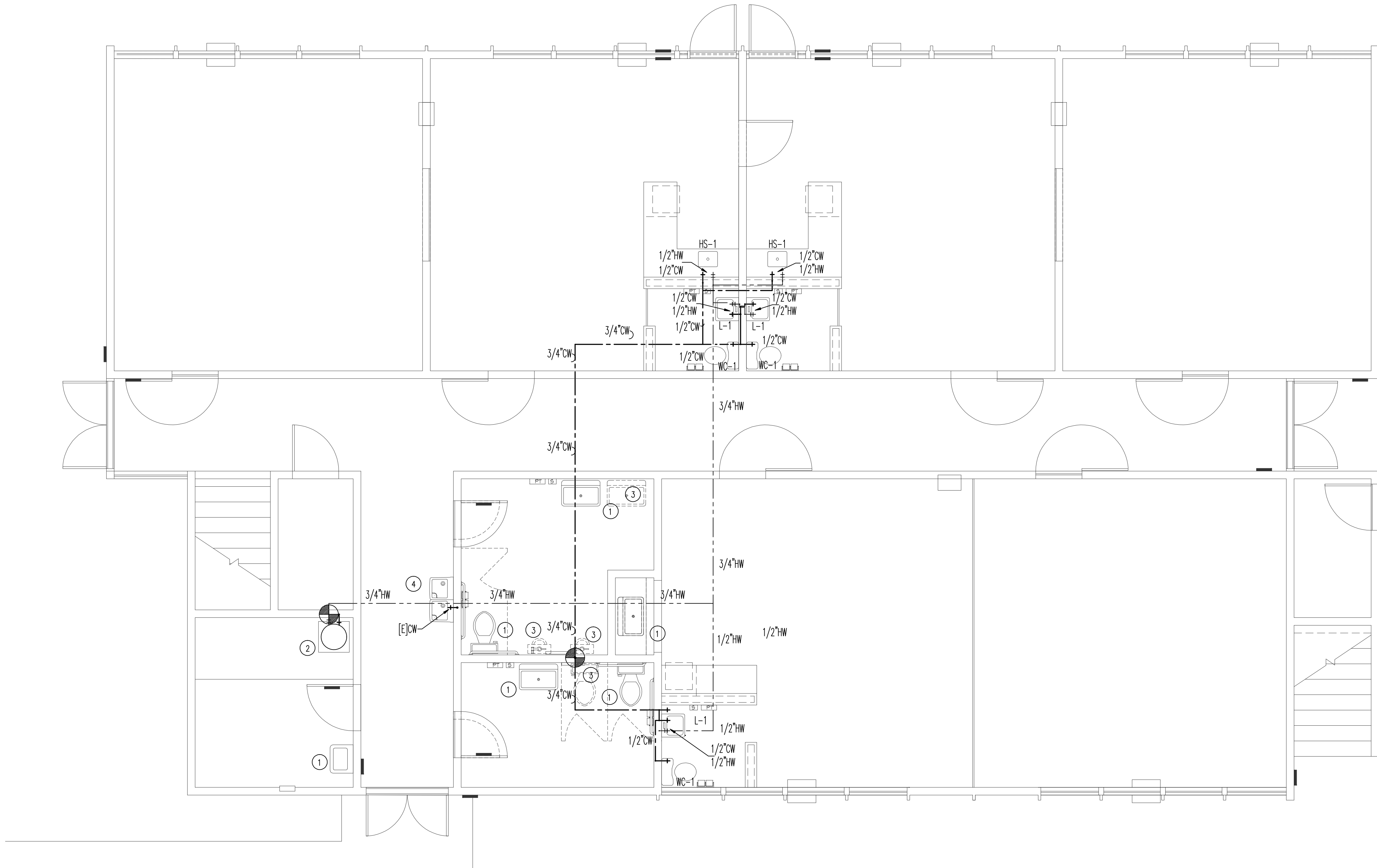
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PAUL S. WHEELER ARCHITECT C1218 MARILYN M. WHEELER ARCHITECT C1415

DRAWING SIZE 24" X 36"

PLOT SCALE:

XREF NAME:

FILE NAME:



HOT & COLD WATER PLAN

SCALE: 1/4" = 1'-0"



DRAWN BY:

MARC S. FARMER
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NOTES

- EXISTING PLUMBING FIXTURE TO REMAIN.
- EXISTING WATER HEATER TO REMAIN.
- REMOVED PLUMBING FIXTURES, SEWER, VENT AND WATER LINES, TO BE CAPPED AND SEALED BELOW FINISHED FLOORS, IN WALLS, AND OR ABOVE CEILINGS. SEE ARCHITECT'S PLANS FOR NUMBER OF FIXTURES AND LOCATIONS.
- EXISTING DRINKING FOUNTAIN TO BE REMOVED. NEW BI-LEVEL FOUNTAIN TO BE INSTALLED. CONNECT NEW DRINKING FOUNTAIN TO EXISTING WATER. SEE ARCHITECTS SHEET ADA-2.0 DETAIL #10.

- ALL PLUMBING MATERIAL AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES AND ORDINANCES. NO EXTRA COST SHALL BE ALLOWED FOR WORK TO BE CORRECTED BECAUSE OF CODE VIOLATIONS.
- CONTRACTOR SHALL VERIFY ALL CONDITIONS IN FIELD PRIOR TO START OF ANY WORK TO ASSURE THE INSTALLATION CAN BE PROPERLY EXECUTED.
- PLUMBING LAYOUTS AS INDICATED ON THE DRAWINGS ARE DIAGNOSTIC ONLY. EXACT LOCATION OF PIPING SHALL BE VERIFIED AND DETERMINED IN FIELD BY THE CONTRACTOR.
- POINT OF CONNECTION TO THE UTILITY STUDS PIPING SHALL BE VERIFIED IN FIELD BY THE CONTRACTOR. EXACT LOCATION OF POINT OF CONNECTION MAY VARY BASED ON THE ACTUAL FIELD CONDITIONS.
- INVERT ELEVATION OF SANITARY SEWER AND CLEARANCE OF ROUTING SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO INSTALLATION OF NEW SANITARY SEWER PIPING.
- ALL PIPING SHALL BE CONCEALED IN PURRED CEILING OR WALL UNLESS PURRED SPACE IS NOT AVAILABLE. LOCATION OF EXPOSED PIPING SHALL BE APPROVED BY THE ARCHITECT AND OWNER.
- TEST ALL PIPING FOR LEAKS PRIOR TO COVER UP.
- SEE STRUCTURAL DRAWINGS FOR PLACEMENT OF PIPES BENEATH, THROUGH, OR ADJACENT TO FOOTINGS.
- MAINTAIN 6" CLEARANCE BETWEEN PIPING, EQUIPMENT ETC.
- ALL PIPE PENETRATIONS THROUGH ROOF WILL BE THROUGH PROPER ROOF FLASHING, MINIMUM HEIGHT 8 INCHES.
- GROSS CONNECTION PROTECTION SHALL BE PROVIDED AT ALL POTABLE WATER SUPPLY APPLIANCES AND EQUIPMENT (OTHER THAN THOSE LISTED IN INFORMATION BULLETIN #168)
- SEISMIC STRAPPING OF WATER HEATER SHALL COMPLY WITH SECTION 807.2 CPC.
- ALL HOSE BIBS TO HAVE ANTI-SIPHON DEVICES.
- HW & CW TO BE INSULATED MIN. 1/2" MELAMINE FOAM PIPE INSULATION.
- HOT WATER NOT TO EXCEED 184°F.
- PROVIDE WATER HAMMER ARRESTORS AT ALL FAST CLOSING POSITIVE SHUT-OFF VALVES.
- PROVIDE FOR ADEQUATE PROTECTION AGAINST BREAKAGE FOR PIPING PASSING THROUGH CONCRETE FLOORS AND WALLS. SLEEVES SHALL BE PROVIDED TO PROTECT ALL PIPING THROUGH CONCRETE OR MASONRY EXTERIOR BEARING WALL CPC. 912
- UNLESS PROHIBITED BY STRUCTURAL CONDITIONS, EACH VENT SHALL RISE VERTICALLY TO A POINT NOT LESS THAN 60 INCHES ABOVE THE FLOOD RIM OF THE FIXTURE SERVED BEFORE OFFSETTING HORIZONTALLY, AND WHEN EVER TWO OR MORE VENT PIPES CONVERGE, EACH SUCH VENT PIPE SHALL RISE TO A POINT AT LEAST SIX INCHES IN HEIGHT ABOVE THE FLOOD RIM OF THE PLUMBING FIXTURE IT SERVES BEFORE BEING CONNECTED TO ANY OTHER VENT. VENTS LESS THAN SIX INCHES ABOVE THE FLOOD LEVEL RIM OF THE FIXTURE SHALL BE INSTALLED WITH APPROVED DRAINAGE FITTINGS, MATERIAL, AND GRADE TO THE DRAIN. 2013 CPC 808.6
- ALL WORK SHALL COMPLY WITH THE 2013 CALIFORNIA PLUMBING CODE.

NO. DATE REVISION

WHEELER & WHEELER
ARCHITECTS
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133 South Spring Street, Claremont, California 91711 909-624-5095 FAX 909-621-7757
PAUL S. WHEELER ARCHITECT C1218 MARGEN M. WHEELER ARCHITECT C1215

HOT & COLD WATER PLAN

INTERIOR T.I. FOR:
ORANGE COUNTY HEAD START
1231 E. CHAPMAN AVE.
Fullerton, CA 92831

APN NO. 283-175-07

DATE 2015 FEB 17
JOB NO. OCH-
DRAWN BY MSF/E&DS

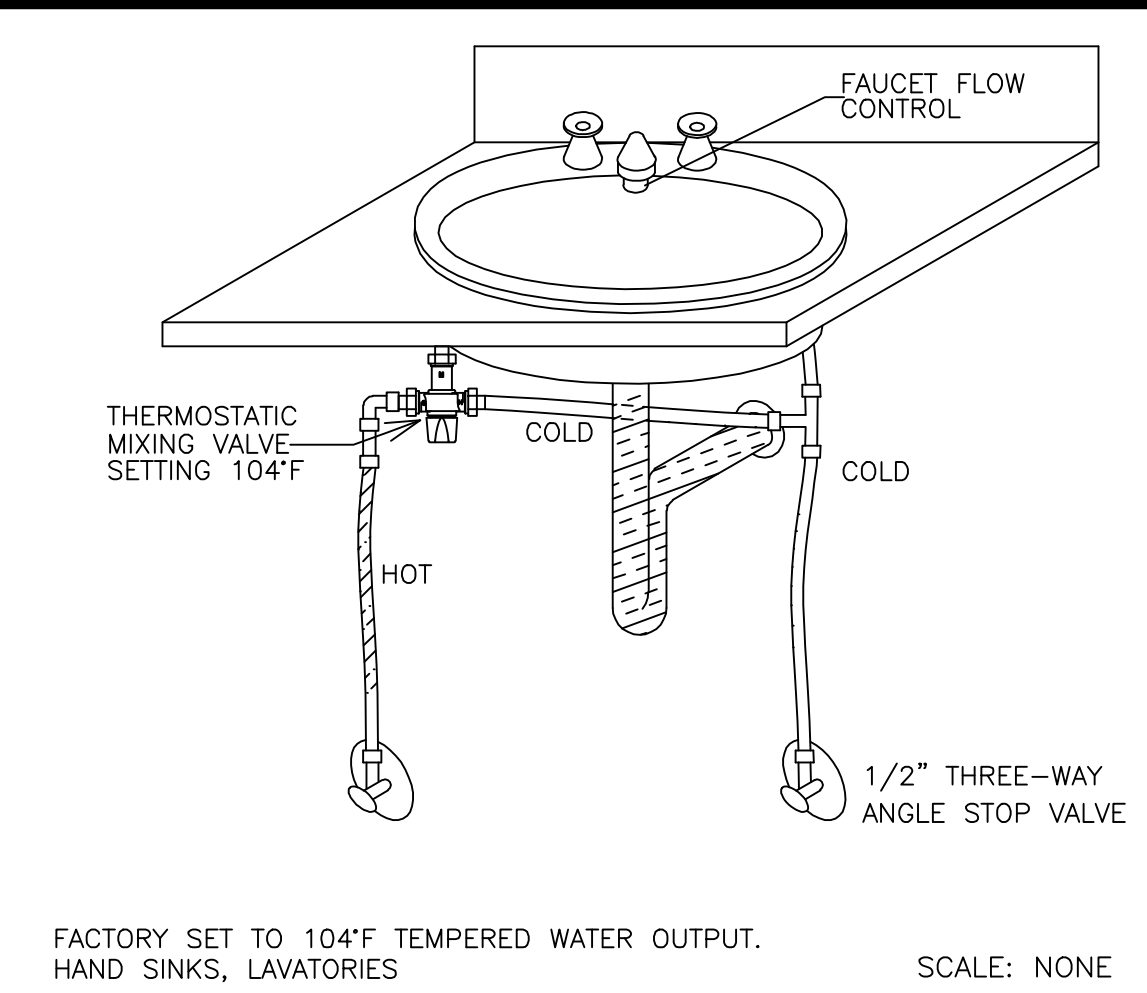
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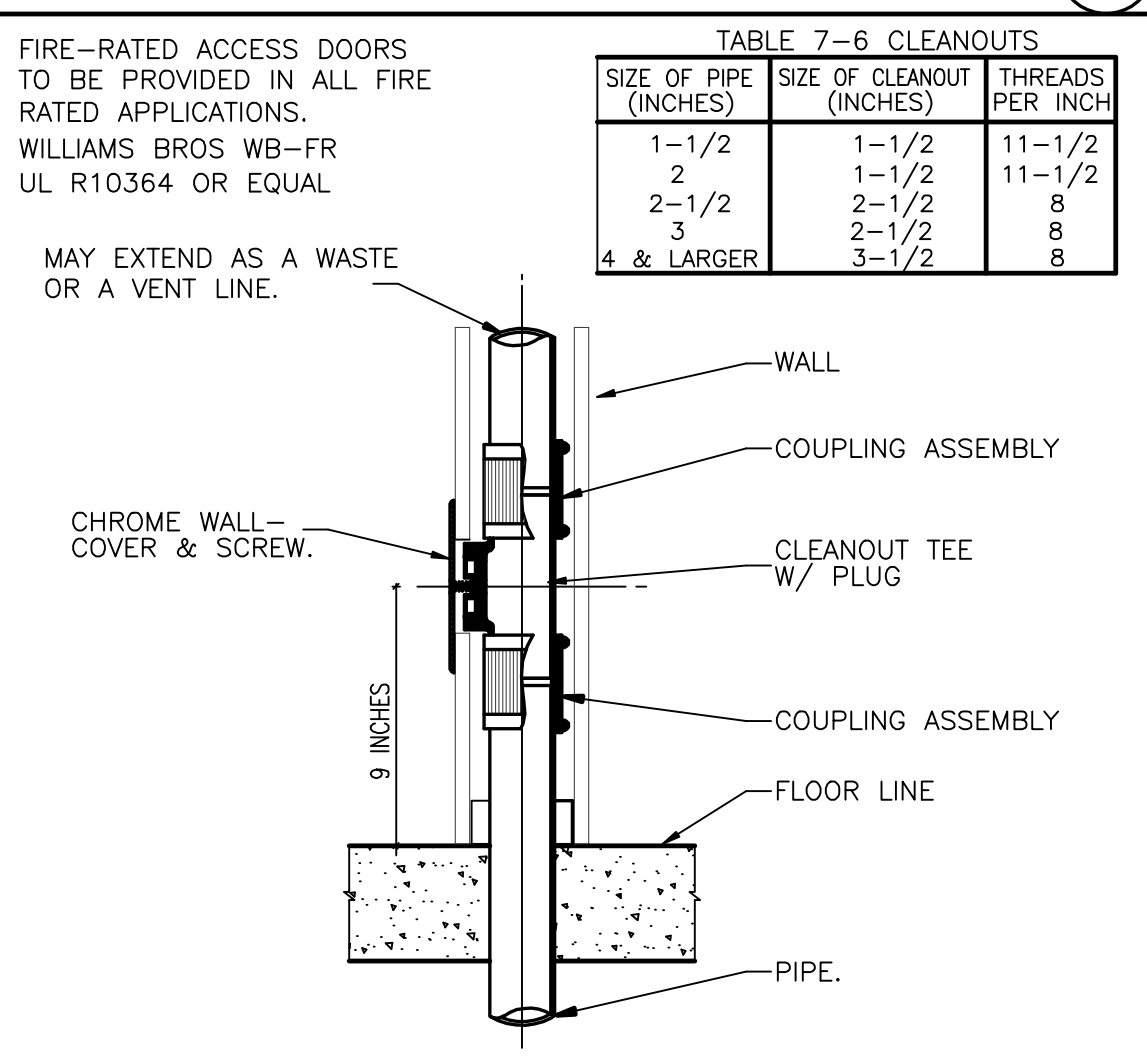
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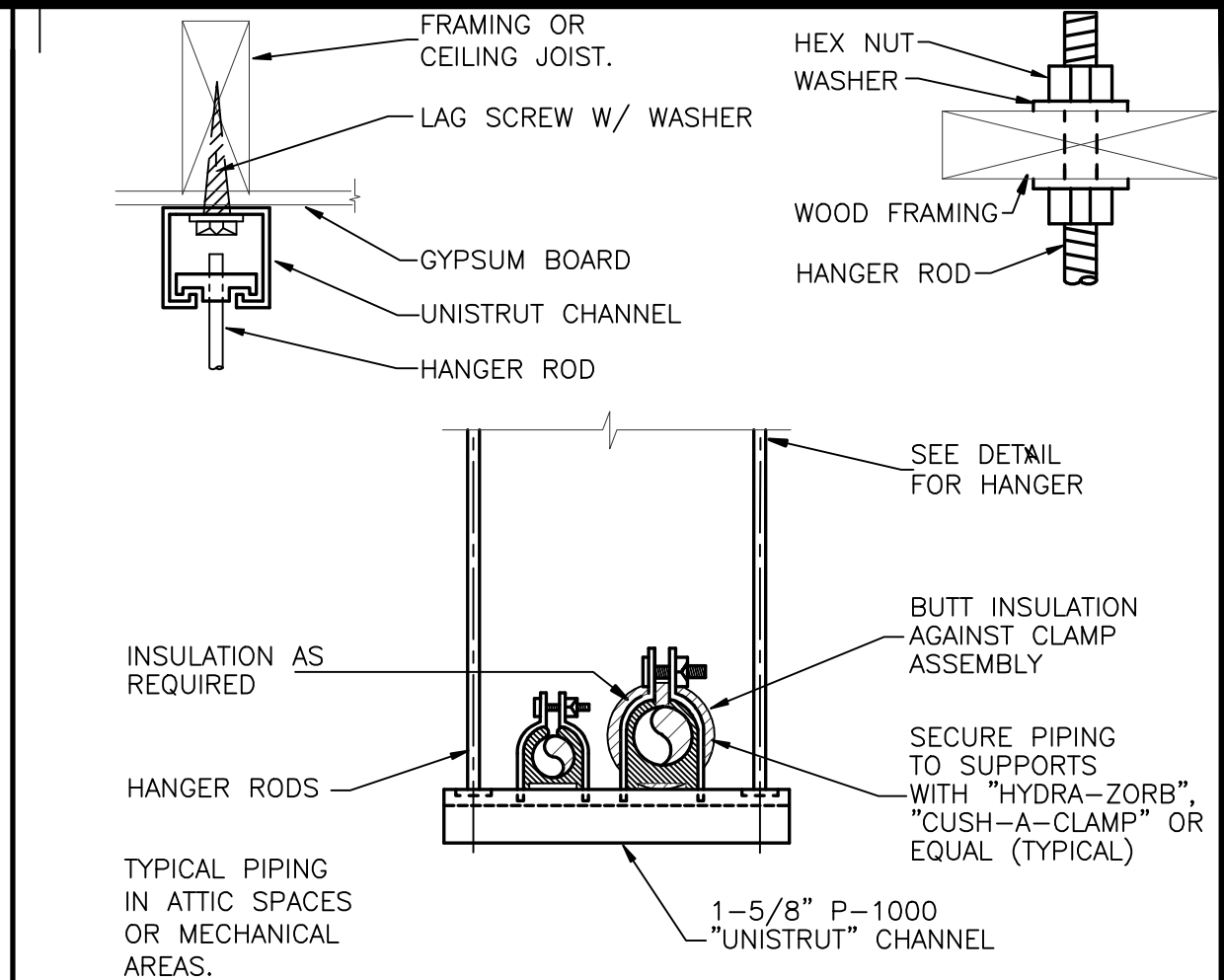
FILE NAME: XREF NAME: DRAWING SIZE 24" X 36" PLOT SCALE: 1" = 1' 0"



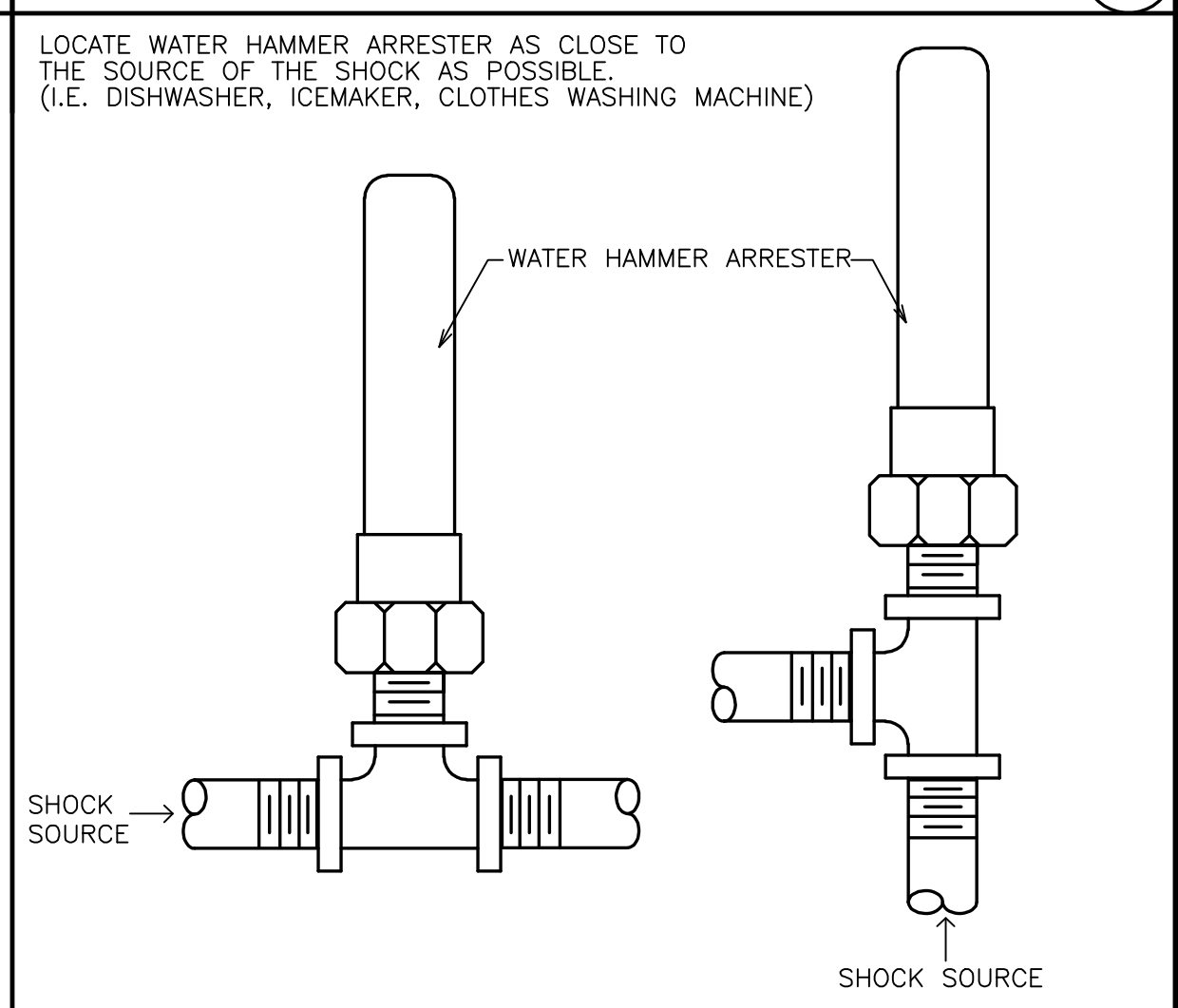
THERMOSTATIC MIXING VALVE (D) SCALE: NONE



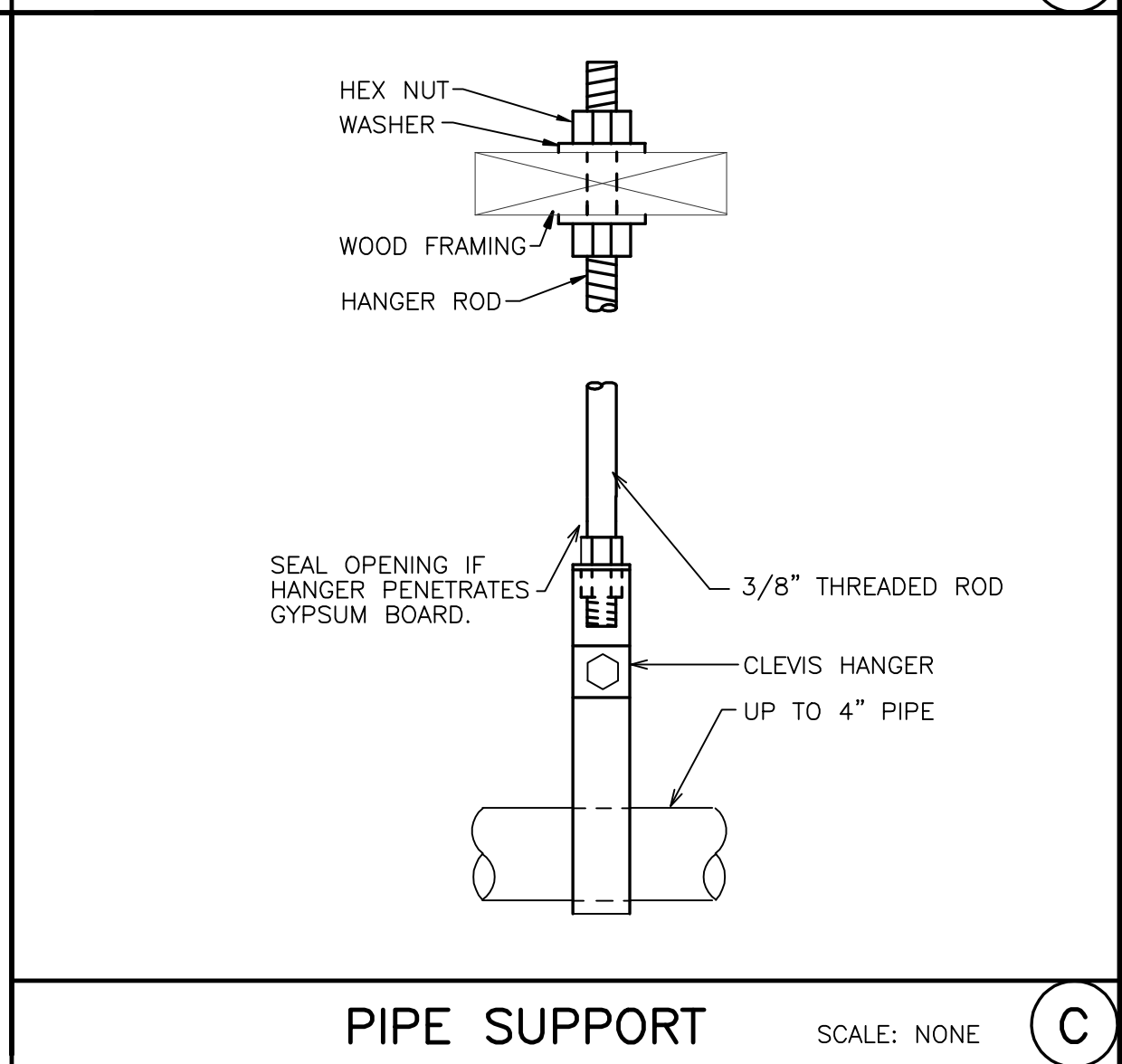
WALL CLEANOUT (E) SCALE: NONE



SUSPENDED PIPE SUPPORT (A) SCALE: NONE



WATER HAMMER ARRESTER (B) SCALE: NONE



PIPE SUPPORT (C) SCALE: NONE



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PLUMBING DETAILS

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