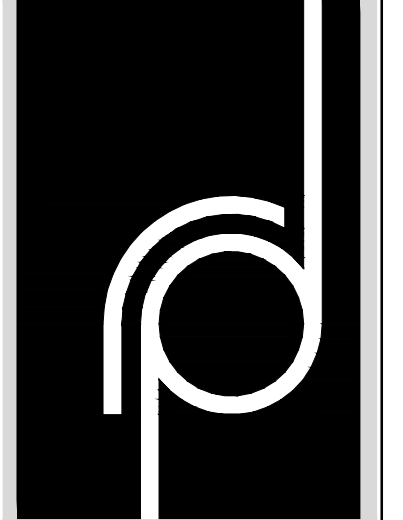




MUSGROVE ENGINEERING, P.A.
 234 S. Whisperwood Way
 Bozoc, Idaho 83709
 208.384.0585
 www.musgrovepa.com
 OVER 30 YEARS OF EXCELLENCE
 project number: 16-058



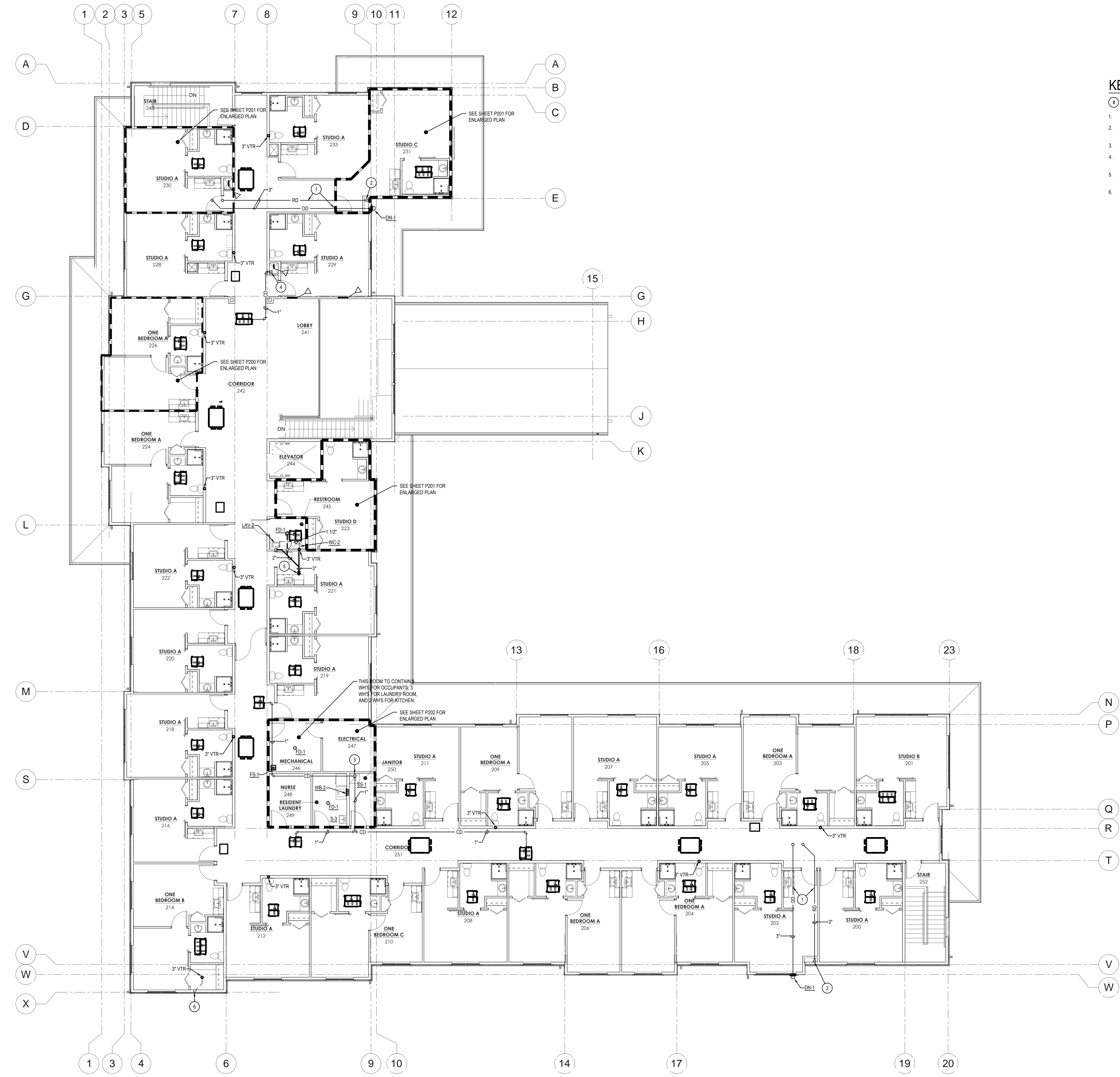
THE RICHARDSON DESIGN PARTNERSHIP, L.L.C.
 510 South 600 East
 Salt Lake City, Utah 84102
 P: 801.355.6868
 F: 801.355.6880

TODD D. NELSON
 6/23/16
 No. 7891576-202
 STATE OF UTAH

THE GRANTEE, ARCHITECT, AND ENGINEER HAS REVIEWED THIS PERMIT SET AND RECOMMENDS IT BE PERMITTED AS SHOWN. THE GRANTEE IS NOT RESPONSIBLE FOR ANY CHANGES OR ERRORS MADE TO THIS PERMIT SET. THE GRANTEE IS NOT RESPONSIBLE FOR ANY CHANGES OR ERRORS MADE TO THIS PERMIT SET. THE GRANTEE IS NOT RESPONSIBLE FOR ANY CHANGES OR ERRORS MADE TO THIS PERMIT SET.

KEYED NOTES:

- 1. ROUTE ROOF AND OVERFLOW DRAINS IN ROOF STRUCTURE.
- 2. DROP ROOF DRAIN DOWN IN CHASE. SEE SHEET P101 FOR CONTINUATION.
- 3. DROP 1" CONDENSATE DRAIN LINE DOWN TO SERVICE SINK.
- 4. DROP 1" CONDENSATE DRAIN DOWN IN CHASE TO 1ST FLOOR. SEE SHEET P101 FOR CONTINUATION.
- 5. DROP WASTE LINE DOWN TO FLOOR BELOW. SEE SHEET P101 FOR CONTINUATION.
- 6. 3" VENT UP FROM BELOW FROM GREASE INTERCEPTOR.



1 UPPER LEVEL WASTE AND VENT
 SCALE: 1/8" = 1'-0"

CONSULTANT:

T.C. ENTERPRISE

OWNER:

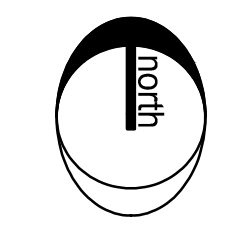
PARDOE ASSISTED LIVING - MIDVALE
 69 68 SOUTH 700 WEST
 MIDVALE, UTAH 84095

PROJECT:

DATE	DESCRIPTION
8/27/16	PERMIT SET

P103
 PROJECT BY: 1608011
 DRAWN BY: 1608011
 CHECKED BY: DA
 SHEET #

6.27.2016 - PERMIT SET

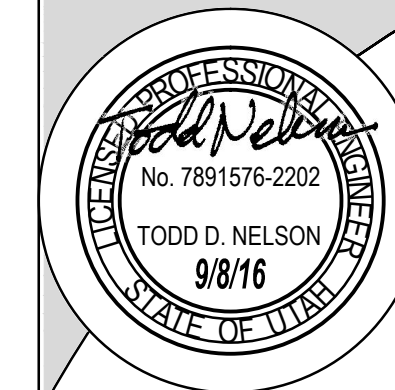




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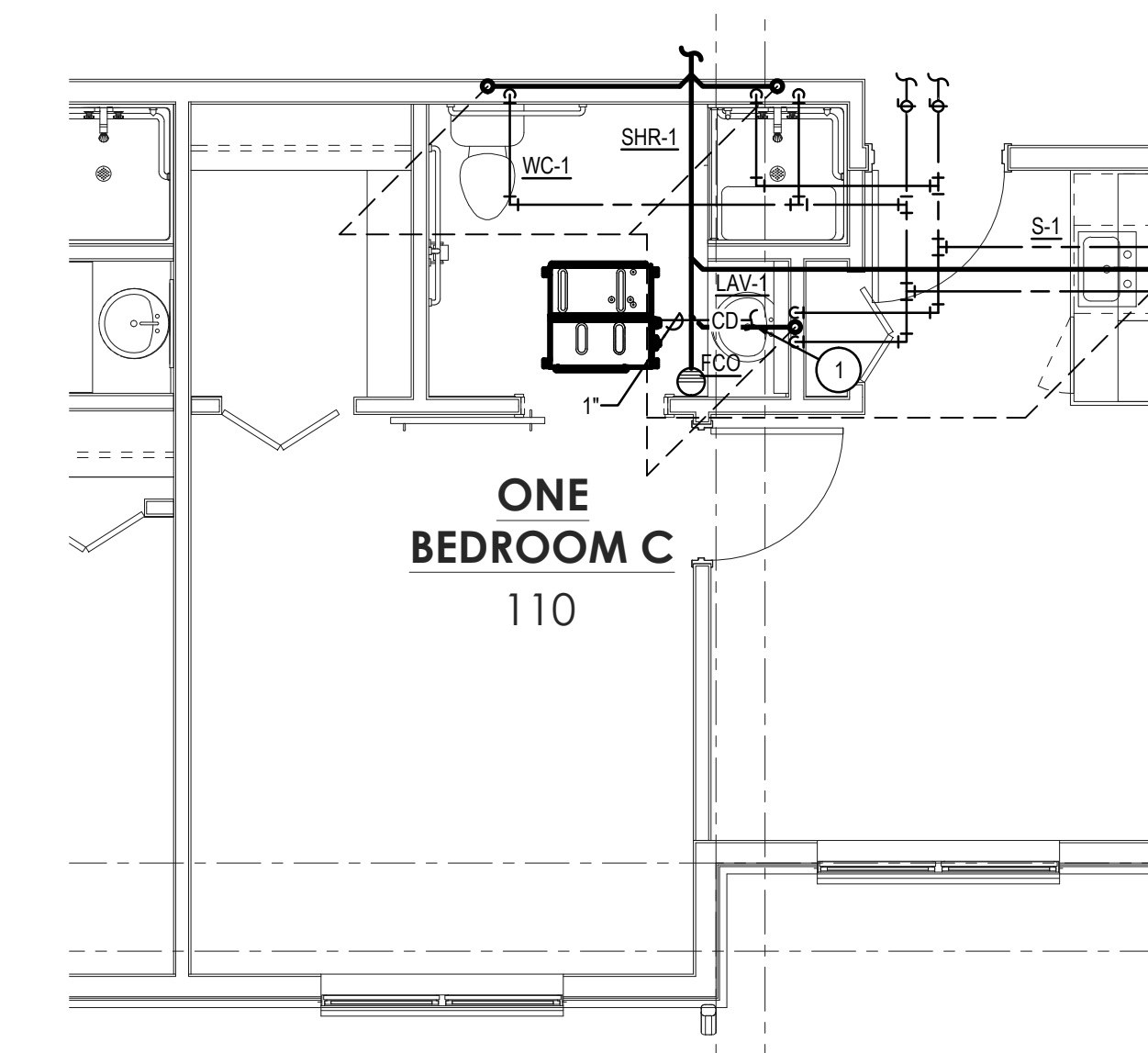
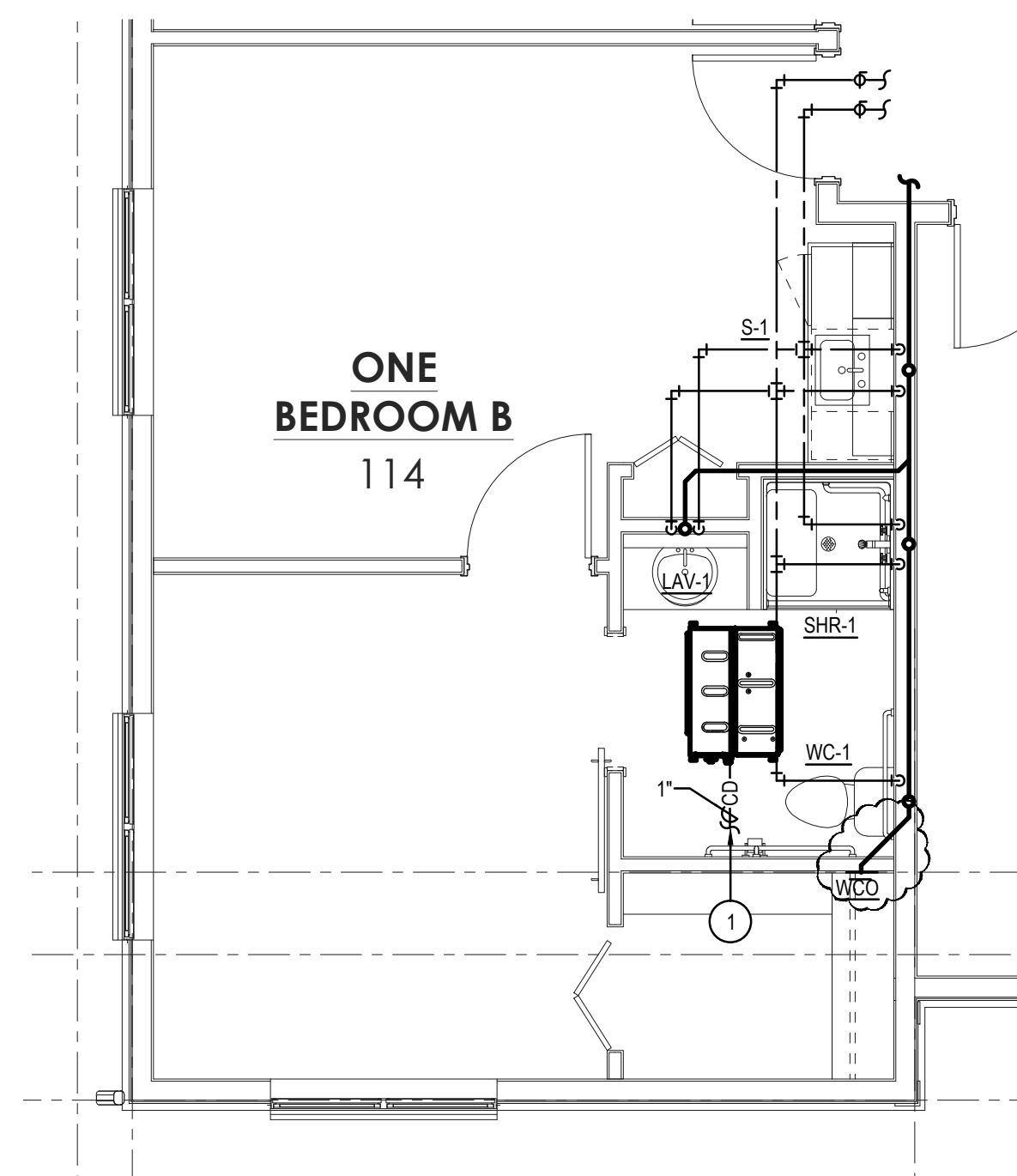
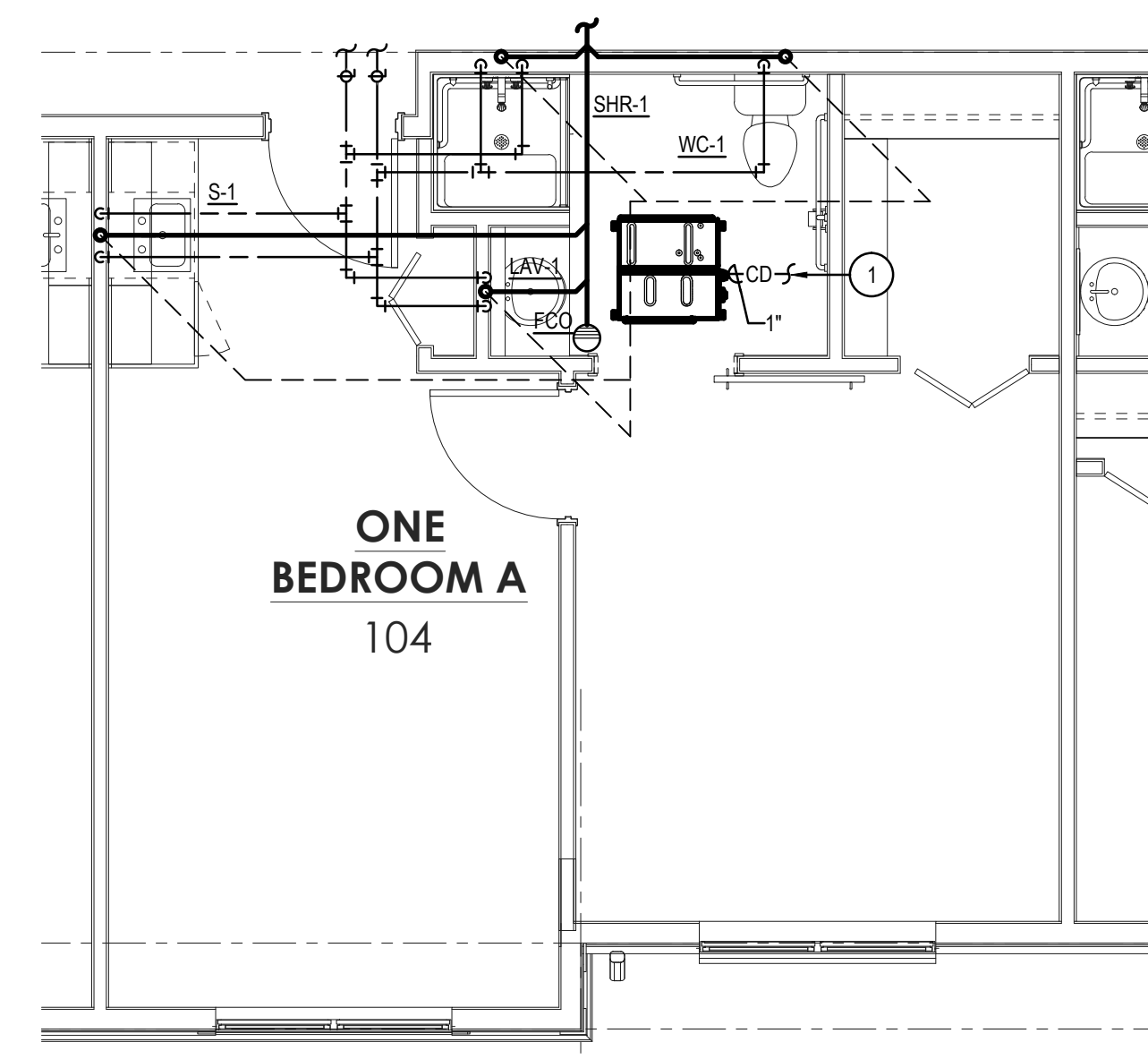
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KEYED NOTES:

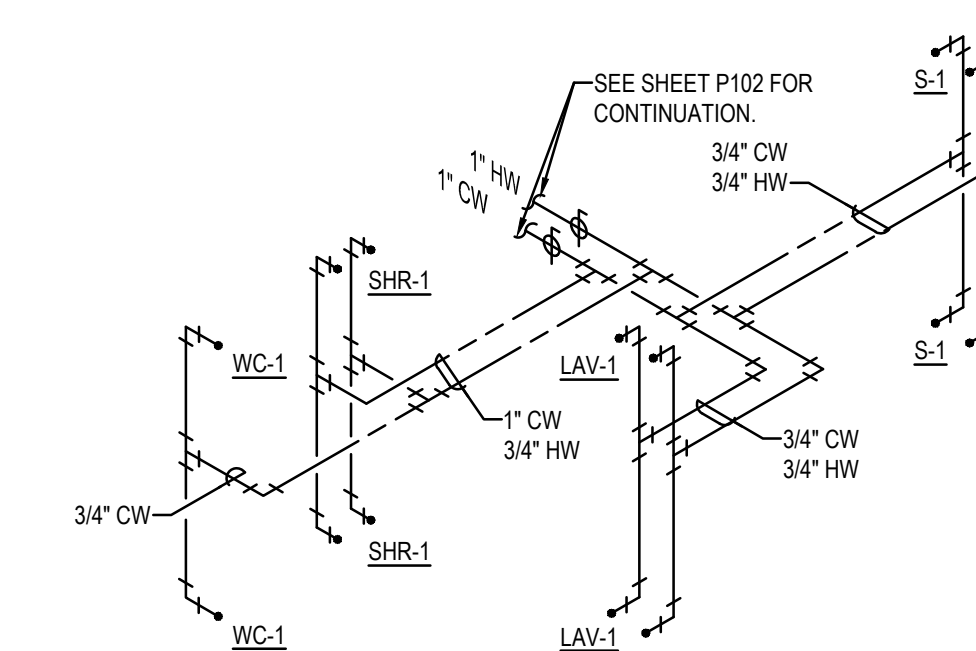
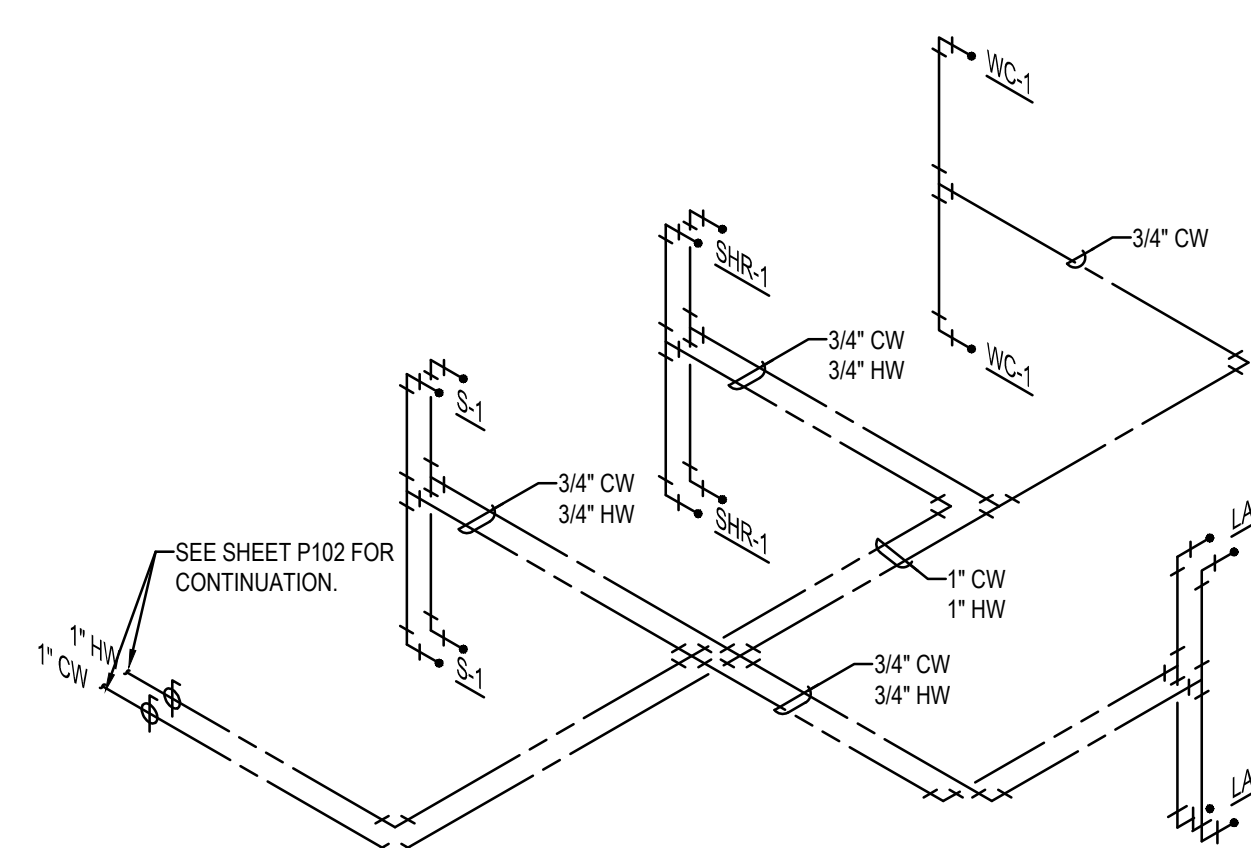
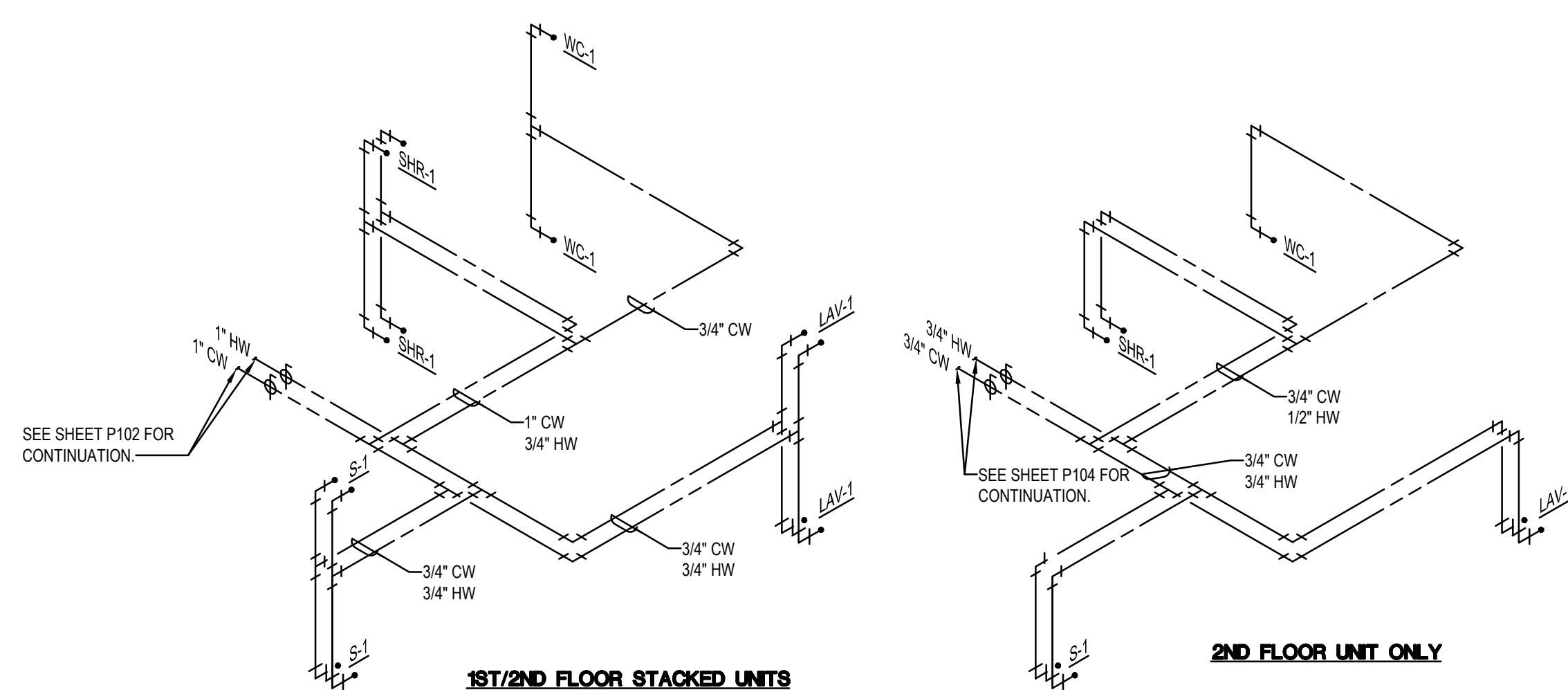
- 1. ROUTE CONDENSATE DRAIN LINE FROM FAN COIL TO TAILPIECE AT LAV. SEE DETAIL, SHEET P300.



1 ENLARGED ONE BEDROOM A - PLUMBING PLAN
 SCALE: 1/4" = 1'-0"

2 ENLARGED ONE BEDROOM B - PLUMBING PLAN
 SCALE: 1/4" = 1'-0"

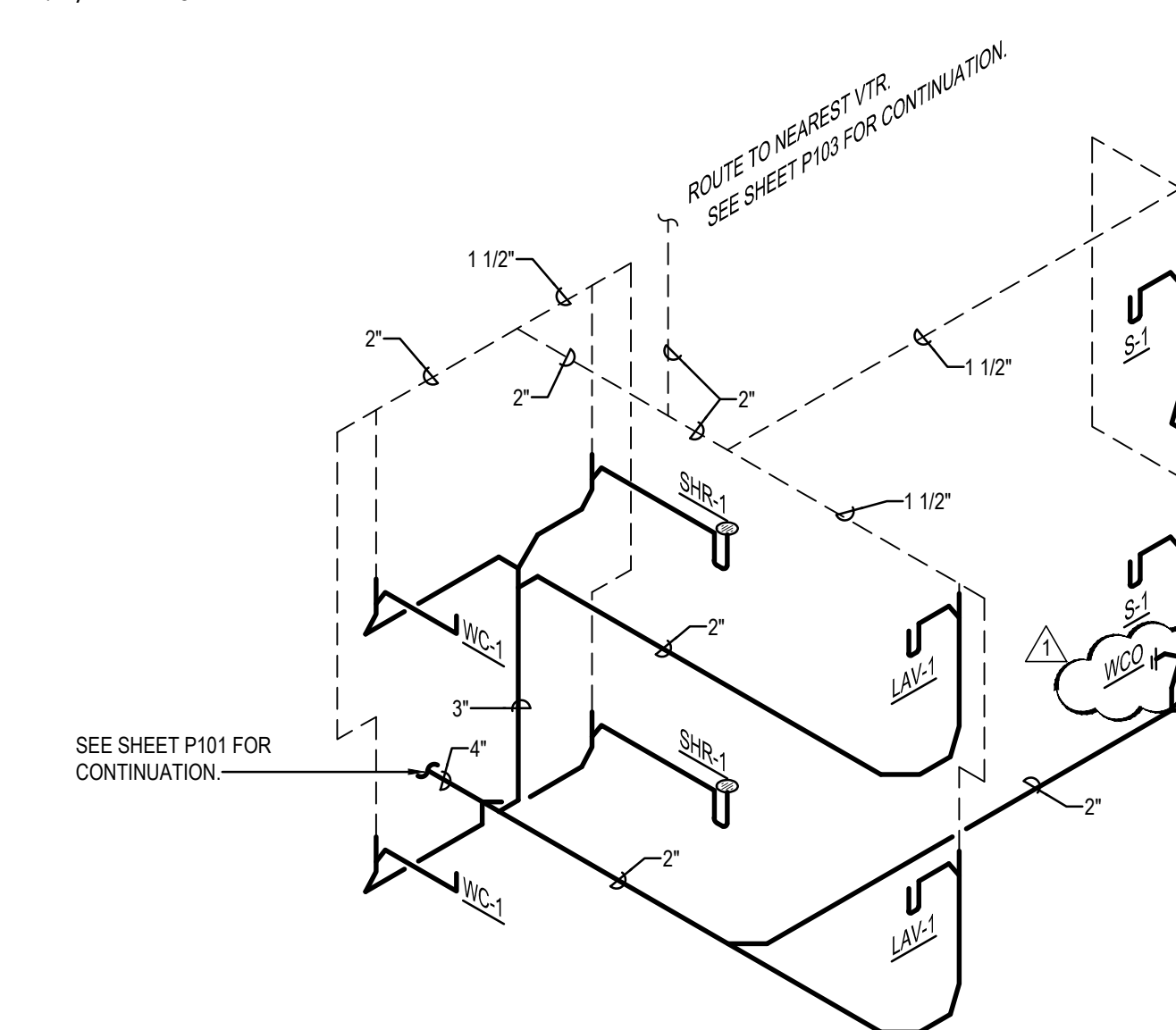
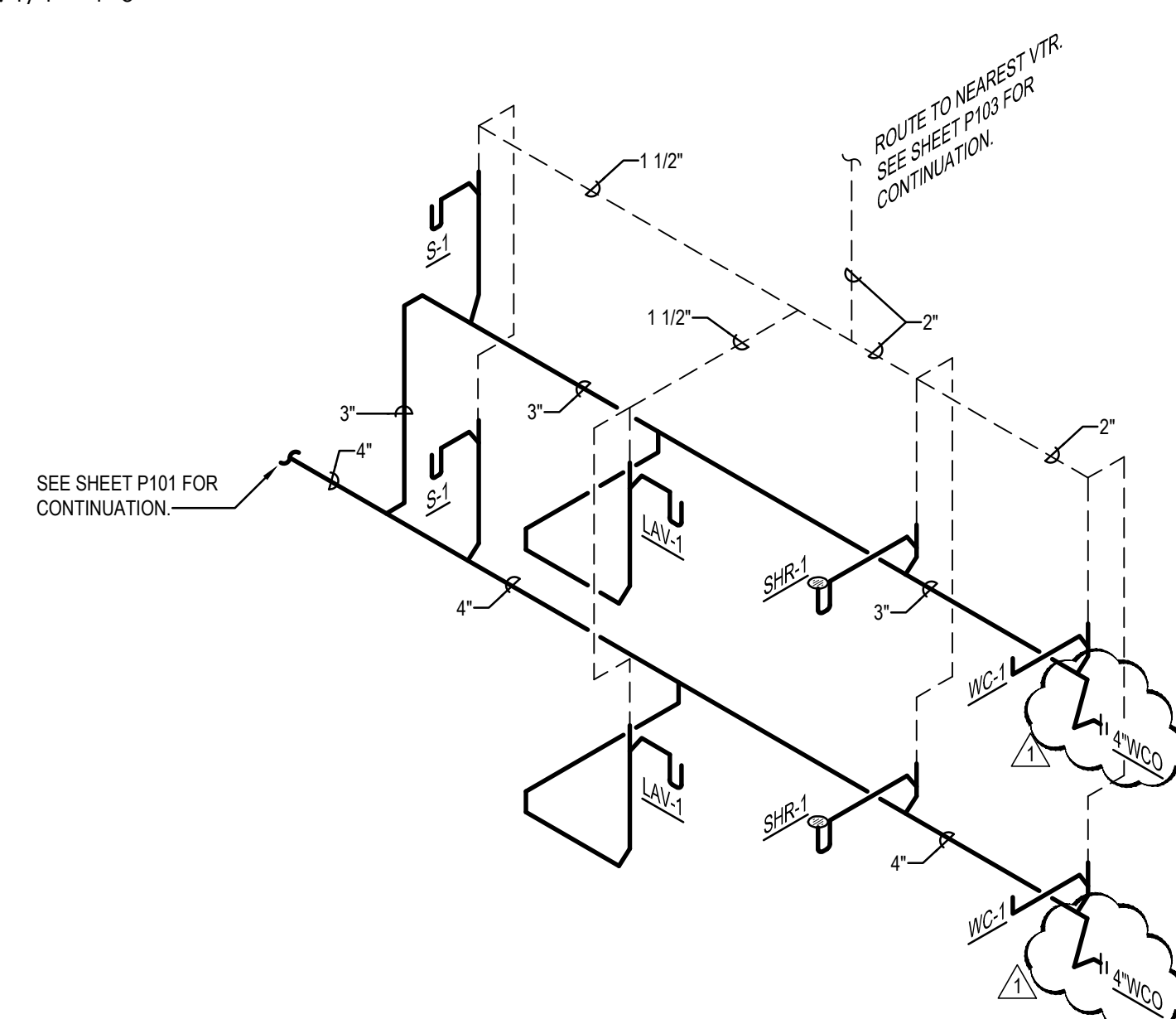
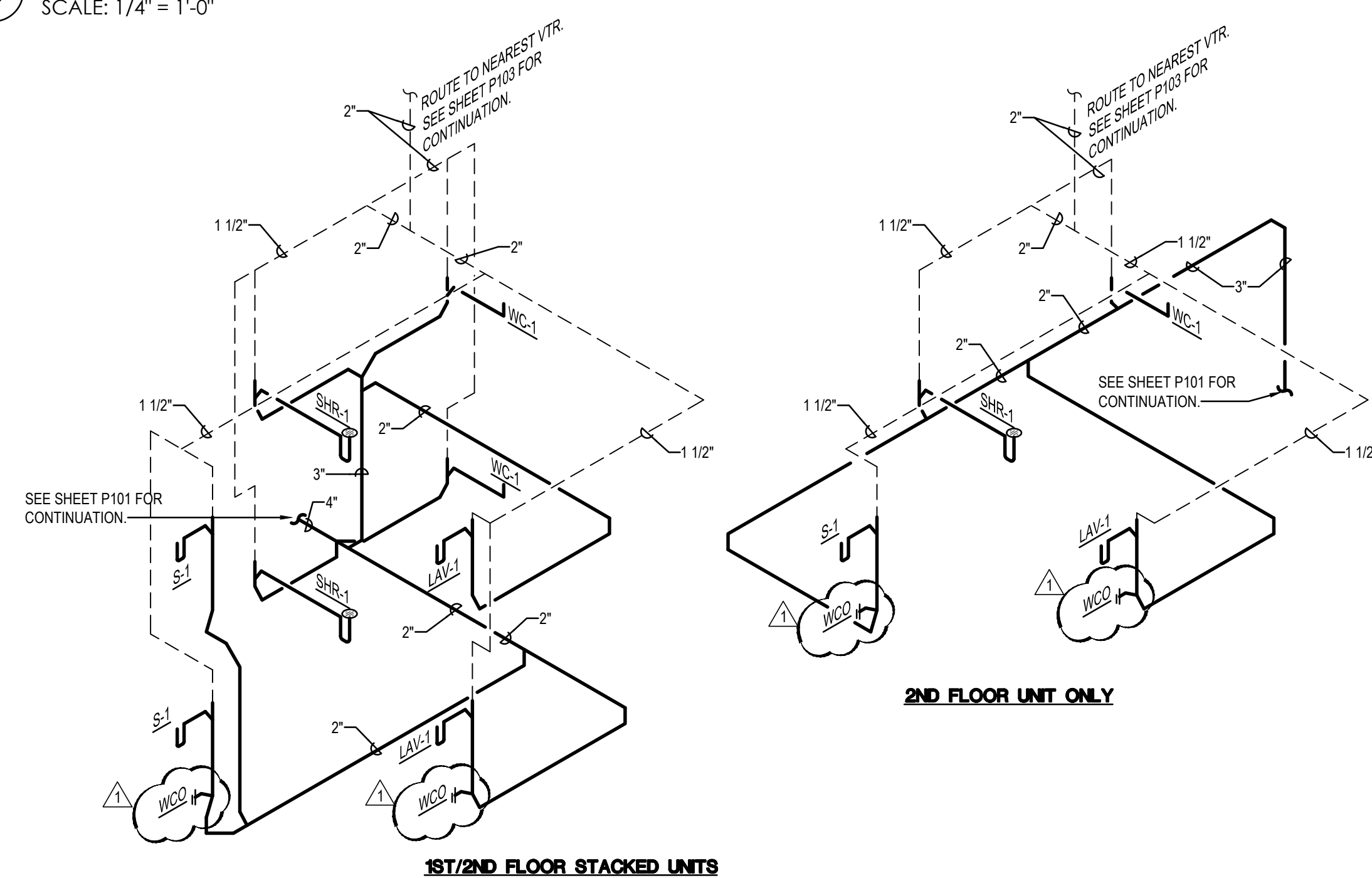
3 ENLARGED ONE BEDROOM C - PLUMBING PLAN
 SCALE: 1/4" = 1'-0"



4 ENLARGED ONE BEDROOM A - WATER RISER
 SCALE: 1/4" = 1'-0"

5 ENLARGED ONE BEDROOM B - WATER RISER
 SCALE: 1/4" = 1'-0"

6 ENLARGED ONE BEDROOM C - WATER RISER
 SCALE: 1/4" = 1'-0"



7 ENLARGED ONE BEDROOM A - WASTE AND VENT RISER
 SCALE: 1/4" = 1'-0"

8 ENLARGED ONE BEDROOM B - WASTE AND VENT RISER
 SCALE: 1/4" = 1'-0"

9 ENLARGED ONE BEDROOM C - WASTE AND VENT RISER
 SCALE: 1/4" = 1'-0"

CONSULTANT:

T.C. ENTERPRISE

OWNER:

PARDOE ASSISTED LIVING - MIDVALE
 69 48 SOUTH 700 WEST
 MIDVALE, UTAH 84095

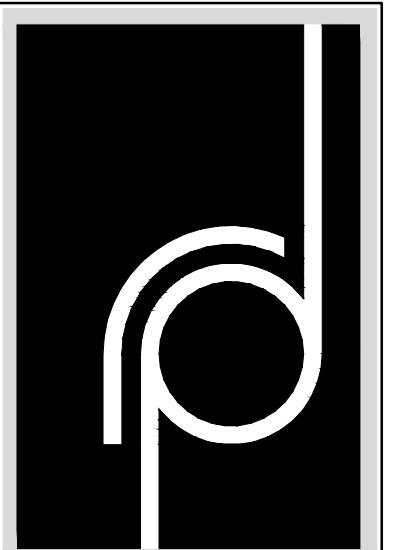
DATE	DESCRIPTION
6/27/16	PERMIT SET
7/19/16	CITY COMMENTS

PROJECT #	PROJECT NAME	CHECKED BY	DATE
1608011	PARDOE ASSISTED LIVING - MIDVALE	DA	

PROJECT # 1608011
 PROJECT NAME PARDOE ASSISTED LIVING - MIDVALE
 CHECKED BY: DA

6.27.2016 - PERMIT SET
 ENLARGED PLUMBING UNIT PLANS
P200

SHEET #



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KITCHEN FIXTURE SCHEDULE

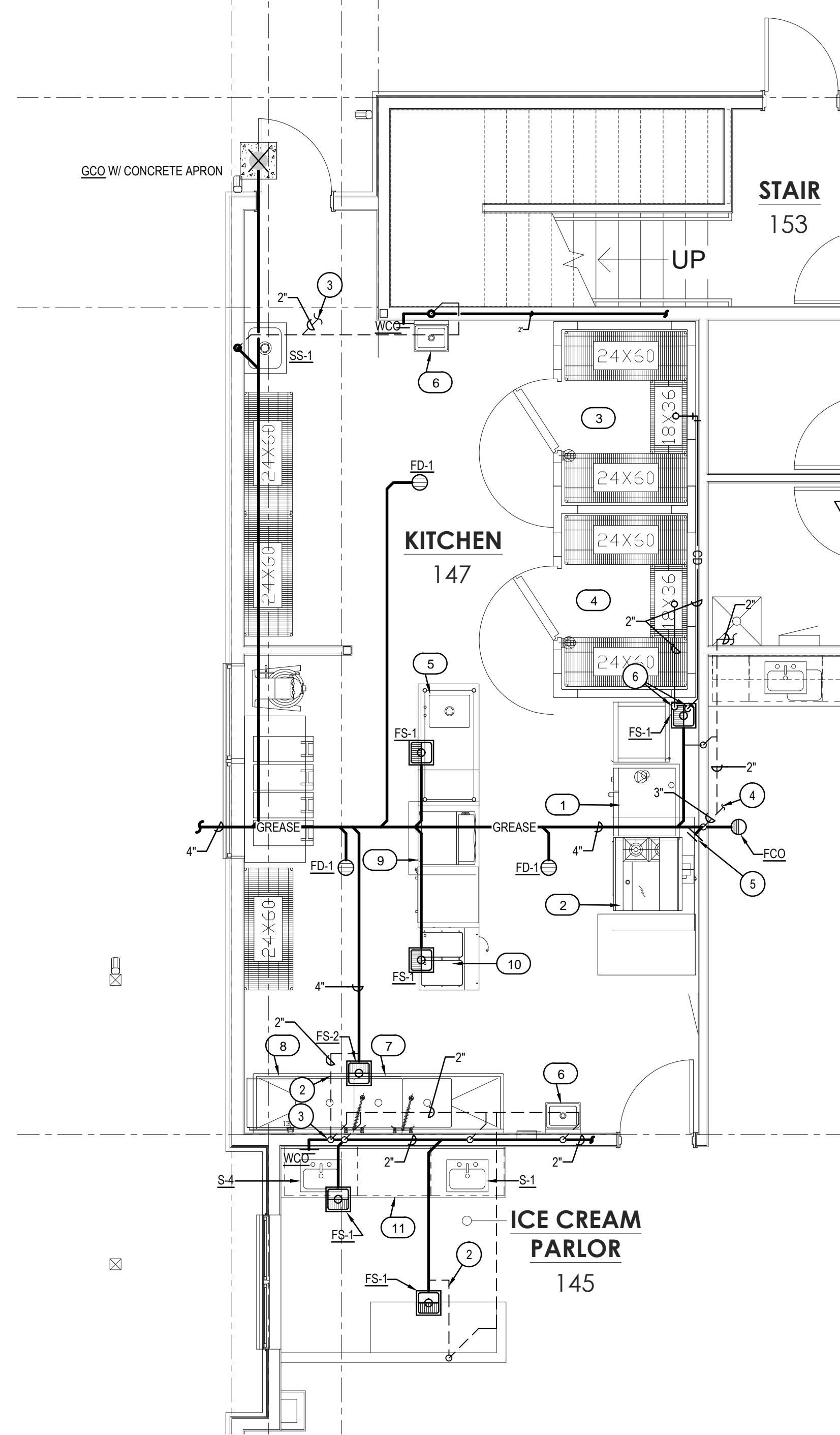
SYMBOL	FIXTURE DESCRIPTION	CONNECTION SIZE						MANUFACTURER / MODEL NUMBER / DESCRIPTION / ADDITIONAL COMMENTS	REMARKS
		WASTE	CW	HW	GAS	VIB	KW/AMPS		
1	ELECTRIC COMBI OVEN/STEAMER	2" (INDIRECT)	3/4"	--	--	208/3	11.1/30.8	RATIONAL MODEL A618106.12	1, 2, 4
2	GAS RANGE	--	--	--	3/4" (135 MBH)	115/1	-4	VULCAN MODEL 36S-2B24GN	1, 3, 5
3	FREEZER	2" (INDIRECT)	--	--	--	208/1	-6.5	IRINOX MF25.14MYA	1, 4
4	WALK-IN COOLER	2" (INDIRECT)	--	--	--	208/1	-7.0	MASTER-BILT MODEL 860608-X	1, 4
5	WORK TABLE WITH SINK	2" (INDIRECT)	1/2"	1/2"	--	--	--	JOHN BOOS MODEL EPT6RS-30-60GSK-R-X	1, 4
6	HAND SINK	2"	1/2"	1/2"	--	--	--	JOHN BOOS MODEL PBHS-W-1410-SSLR-X SINK WITH MODEL PBF-4SM-3GLF-X FAUCET	1, 6
7	THREE COMPARTMENT SINK	2" (X3) (INDIRECT)	1/2" (X2)	1/2" (X2)	--	--	--	JOHN BOOS MODEL 3PB24-2D24 WITH PRERINSE FAUCET MODEL PD-PRW-1LF AND MODEL PB-AD-12LF ADD-ON FAUCET	1, 4
8	DISHWASHER (UNDERCOUNTER)	1" (INDIRECT)	--	1/2"	--	115/1	-7/6	CMA DISHMACHINES MODEL L-1X16	1, 4
9	ICE CUBER WITH BIN	1/2" (INDIRECT)	1/2"	--	--	115/1	-7	MANITOWOC MODEL UR-0240A	1, 4
10	HOT FOOD SERVING COUNTER	3/4" (INDIRECT)	1/2"	--	--	115/1	1.5/12.5	DUKE MANUFACTURING MODEL EP302SW. PROVIDE WITH DRAIN HEADER AND WATER FILLER	1, 2, 4
11	SODA FOUNTAIN	3/4" (INDIRECT)	1/2"	--	--	115/1	--	--	1, 2, 4

- NOTES:
- SEE KITCHEN EQUIPMENT PLANS FOR DETAILS AND REQUIREMENTS OF KITCHEN EQUIPMENT. EQUIPMENT SUPPLIED AND INSTALLED BY OTHERS; ROUGH-IN AND CONNECTION BY PLUMBING CONTRACTOR.
 - PROVIDE WITH REDUCED PRESSURE BACKFLOW DEVICE.
 - PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL FINAL GAS FLEX CONNECTOR TO KITCHEN EQUIPMENT. COORDINATE EXACT REQUIREMENTS WITH KITCHEN EQUIPMENT SUPPLIER.
 - INDIRECT CONNECT DRAIN LINE TO FLOOR SINK.
 - EQUIPMENT TO RATED FOR 2800 FEET ALTITUDE.
 - PROVIDE WITH WATTS SERIES USG-B THERMOSTATIC MIXING VALVE, ASSE STANDARD 1070 LISTED, BRONZE BODY, INTEGRAL CHECK VALVES, AND SELECTABLE TEMPERATURE RANGE FROM 80°F TO 120°F.

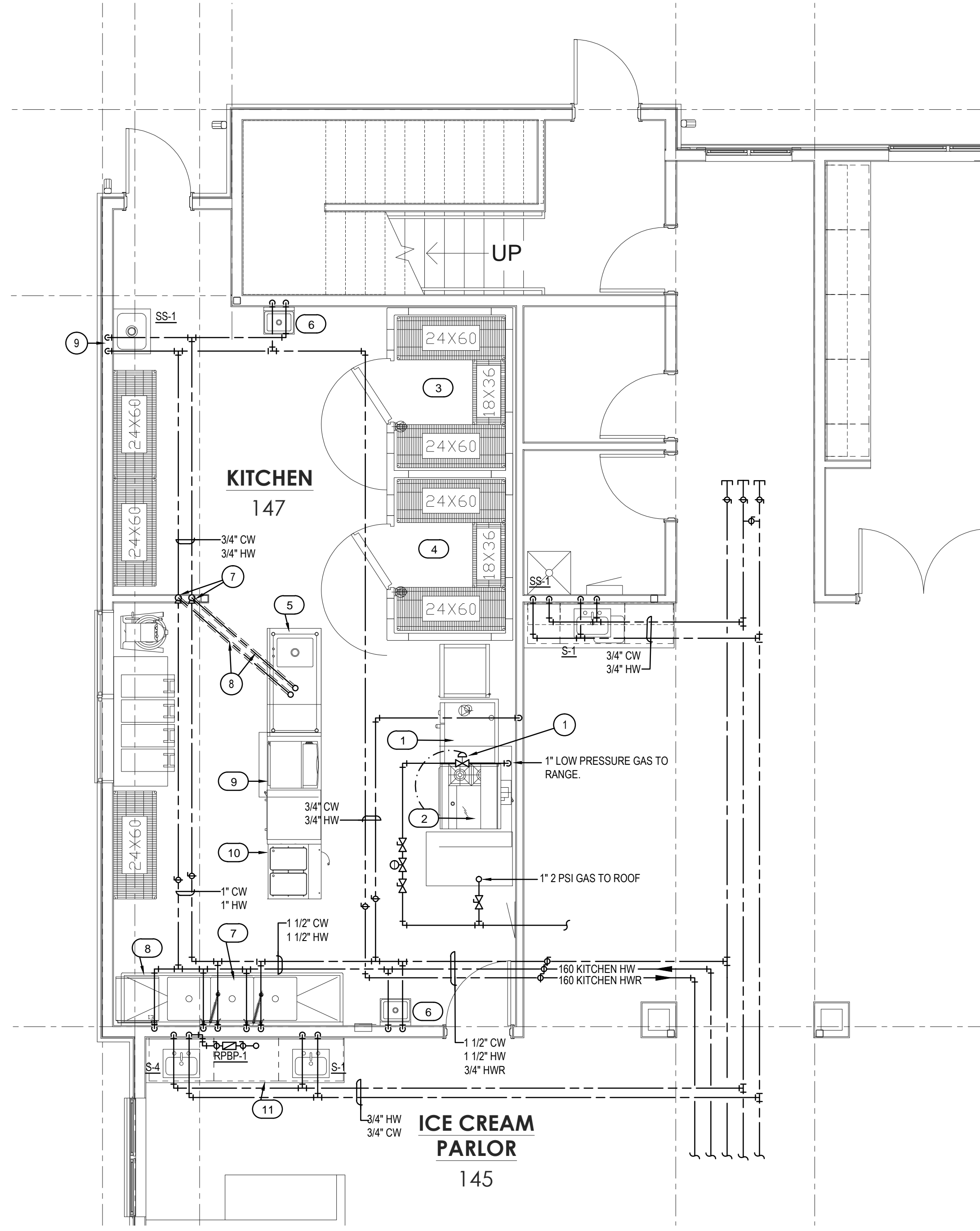
KEYED NOTES:

SYMBOL USED FOR NOTE CALLOUT.

- PLUMBING CONTRACTOR SHALL INSTALL NEW GAS SOLENOID VALVE PROVIDED BY KITCHEN EQUIPMENT CONTRACTOR IN EXHAUST HOOD CABINET AND INTERLOCK OF VALVE WITH FIRE SUPPRESSION SYSTEM SHALL BE BY ELECTRICAL CONTRACTOR. COORDINATE WITH ALL TRADES.
- 2" VENT BELOW SLAB.
- ROUTE 2" VENT UP TO 2ND FLOOR AND CONNECT TO NEAREST VTR.
- ROUTE 3" VENT UP TO 2ND FLOOR AND CONNECT TO NEAREST VTR.
- PROVIDE CLEAN-OUT ON COMBINATION WASTEWATER.
- ROUTE CONDENSATE DRAINS FROM WALK-IN COOLER AND FREEZER TO FLOOR SINK.
- DROP 1/2" HOT AND COLD WATER LINES DOWN IN WALL. PROVIDE SHUT-OFF VALVES ON LINES, ACCESSIBLE IN WALL.
- ROUTE 1/2" WATER LINES IN 1" PVC SLEEVES BELOW SLAB TO KITCHEN ISLAND. MAKE CONNECTIONS TO EQUIPMENT PER SCHEDULE, THIS SHEET.
- ROUTE WATER LINES DOWN IN WALL ON WARM SIDE OF INSULATION.



1 ENLARGED KITCHEN - WASTE AND VENT PLUMBING PLAN
 SCALE: 1/4" = 1'-0"



2 ENLARGED KITCHEN - WATER AND GAS PLUMBING PLAN
 SCALE: 1/4" = 1'-0"

CONSULTANT:

T.C. ENTERPRISE

OWNER:

PARDOE ASSISTED LIVING - MIDVALE
 69 68 SOUTH 700 WEST
 MIDVALE, UTAH 84095

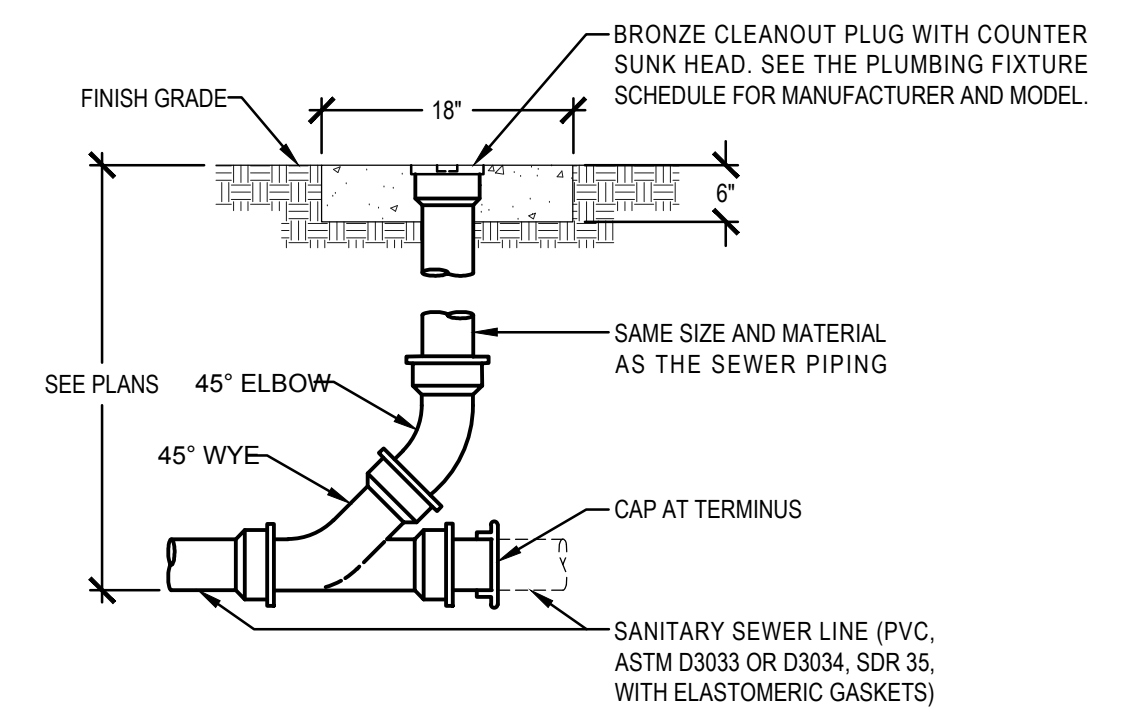
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DATE	DESCRIPTION
6/27/16	PERMIT SET

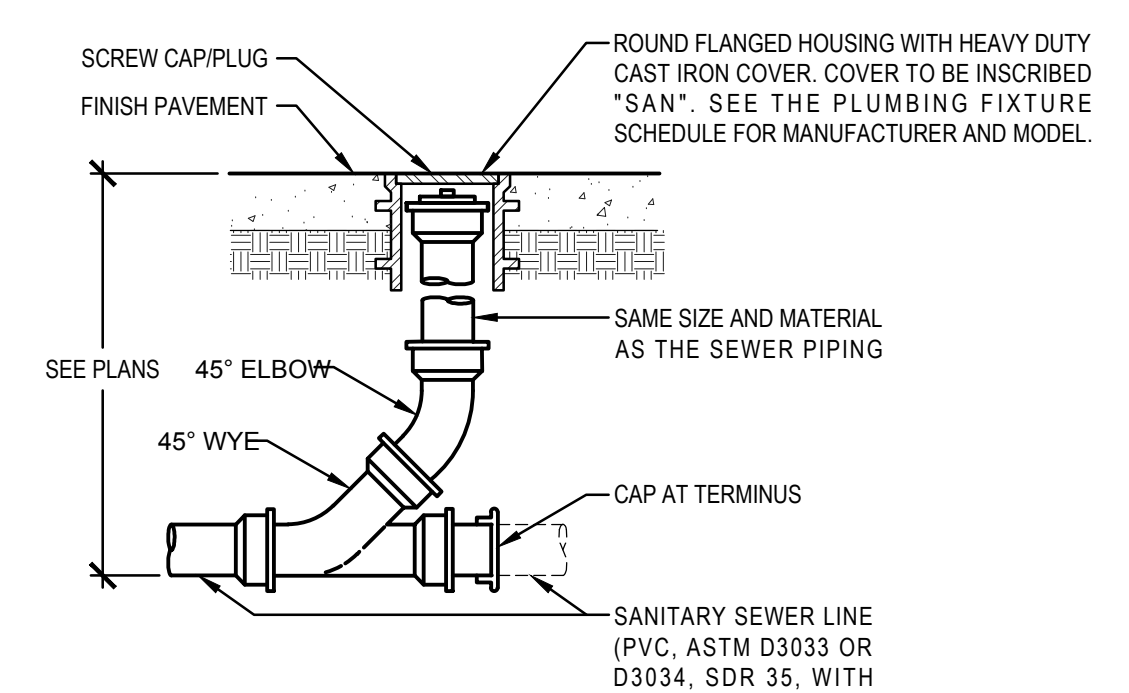
PROJECT NO. 1608011
 PREPARED BY: DA
 CHECKED BY: DA

P203
 SHEET #

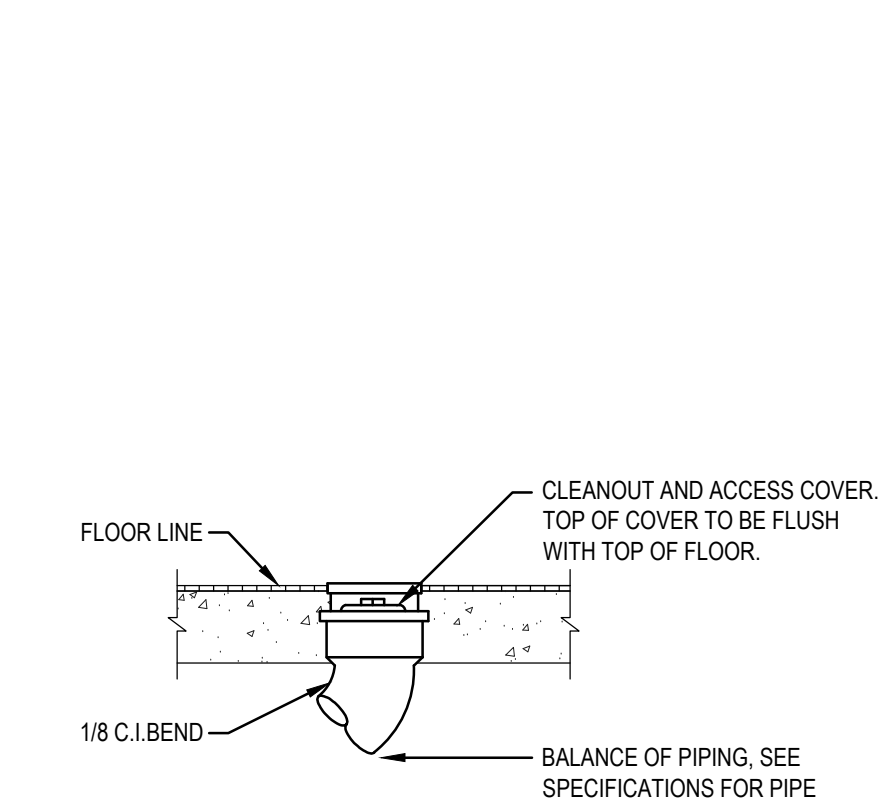
6.27.2016 - PERMIT SET



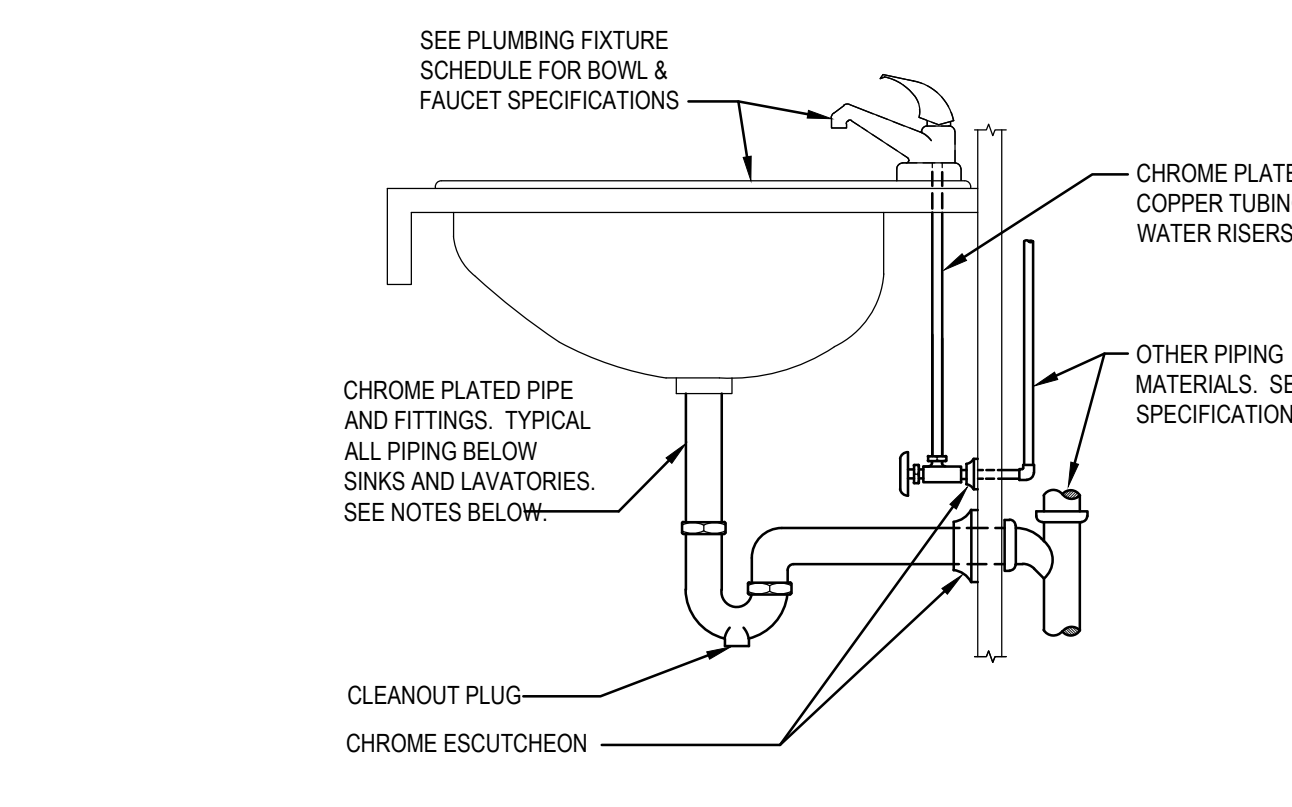
1 GRADE CLEANOUT (GCO) DETAIL
 NOT TO SCALE



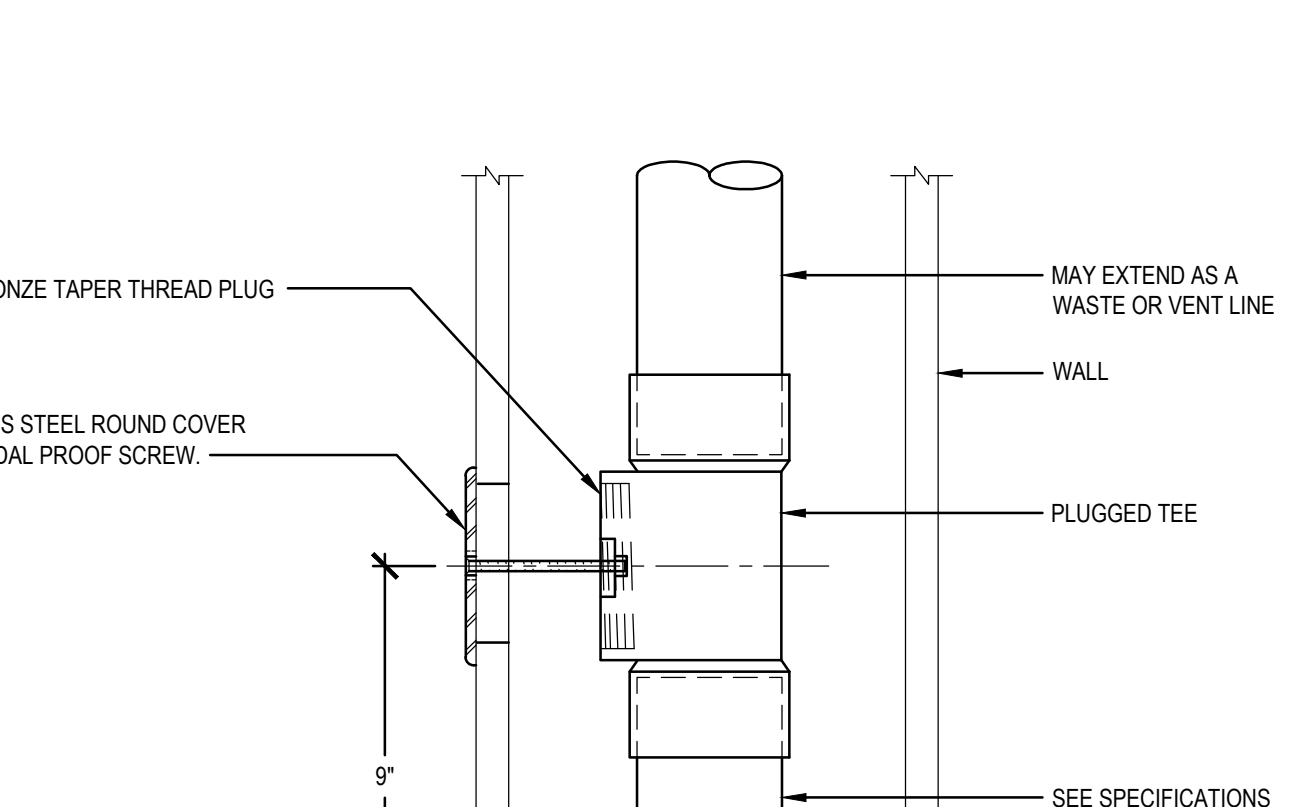
2 FLOOR CLEANOUT (FCO) DETAIL
 NOT TO SCALE



3 SINK/LAVATORY TAILPIECE & TRAP DETAIL
 NOT TO SCALE

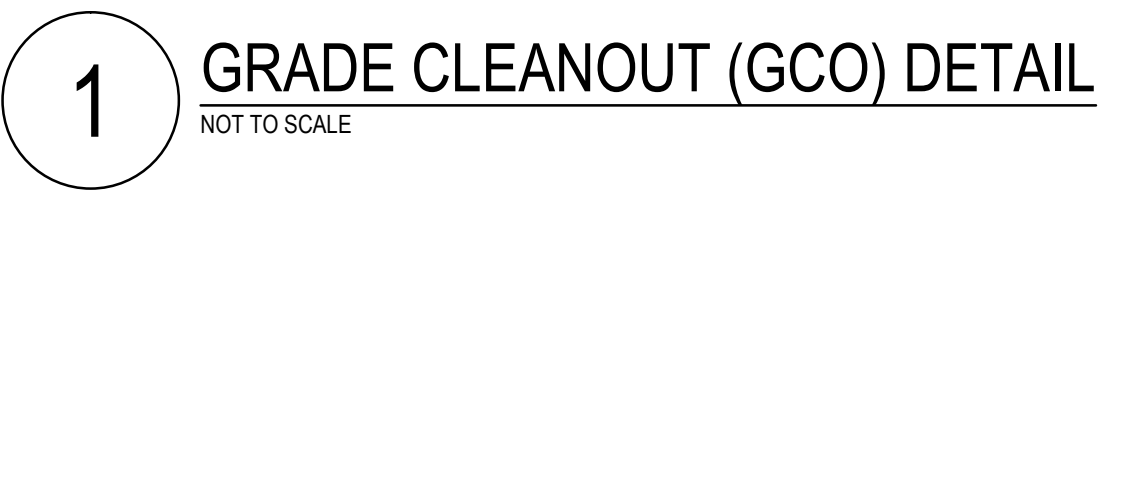


4 WALL CLEANOUT (WCO) DETAIL
 NOT TO SCALE



5 ROOF MOUNTED PIPING DETAIL
 NOT TO SCALE

VEHICULAR TRAFFIC AREAS / PAVED AREAS



6 GREASE INTERCEPTOR DETAIL (1500 GALLONS)
 NOT TO SCALE

NOTES:

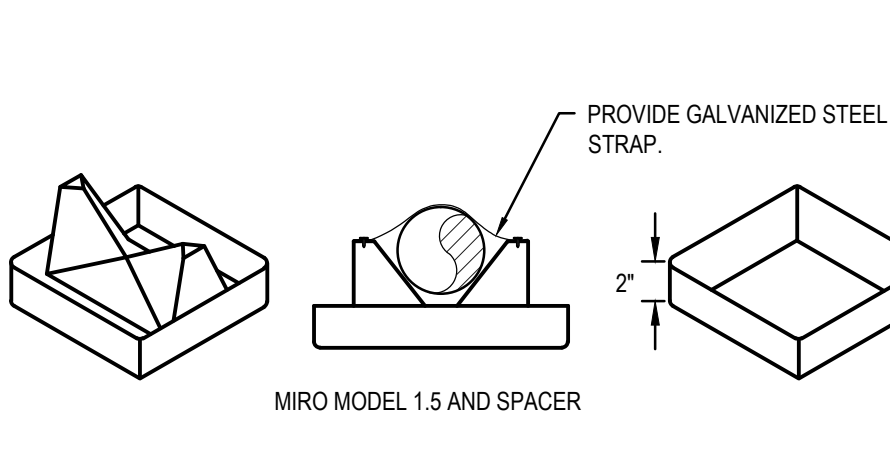
- CLEANOUTS SHALL BE PROVIDED AT EACH HORIZONTAL DRAINAGE PIPE AT ITS UPPER TERMINAL, AND EACH RUN OF PIPING WHICH IS MORE THAN 100 FEET, AND SHALL BE PROVIDED FOR EACH 100 FEET DEVELOPED LENGTH, OR FRACTION THEREOF OF SUCH PIPING. AN ADDITIONAL CLEANOUT SHALL BE PROVIDED FOR EACH AGGREGATE HORIZONTAL CHANGE OF DIRECTION EXCEEDING ONE HUNDRED THIRTY-FIVE DEGREES, PER APPLICABLE PLUMBING CODE. THIS SHALL BE PROVIDED REGARDLESS OF WHAT IS SHOWN ON THE DRAWINGS.

NOTES:

- INTERIOR EXPOSED PIPE, VALVES AND FIXTURE TRIM, INCLUDING TRIM BEHIND CASEWORK DOORS SHALL BE CHROME PLATED.
- ALL PIPING PENETRATIONS THROUGH FINISHED WALLS SHALL BE PROVIDED WITH CHROME ESCUTCHEONS.
- ALL SINK TRAPS SHALL BE PROVIDED WITH A CLEANOUT PLUG IN THE BOTTOM OF THE TRAP.
- ALL PLUMBING FIXTURES SHALL BE CAULKED AND SEALED TO SURROUNDING SURFACES.

APPROVED PIPE SUPPORT SYSTEMS:

PIPE SUPPORTS SHALL BE AS FOLLOWS:	SIZE OF PIPE	SUPPORT REQUIRED
	1/2"	6' O.C.
	3/4" - 1"	8' O.C.
	1 1/4" OR LARGER	10' O.C.



7 GAS PRESSURE REGULATOR DETAIL
 NOT TO SCALE

NOTE:

- INSTALL FLEX CONNECTION AT ALL ROOF TOP UNITS WHICH HAVE SPRING ISOLATION CURBS (30" MAX).
- INSTALL SOLID PIPE CONNECTION TO ALL ROOF TOP UNITS WHICH DO NOT HAVE SPRING ISOLATION CURBS.
- PAINT PIPE WITH RUSTOLEUM #866 PRO-GUARD PRIMER, RED OR GRAY, OR APPROVED EQUAL.

APPROVED PIPE SUPPORT SYSTEMS:

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NOTES:

- ALL DIMENSIONS SHOWN SHALL BE VERIFIED WITH LOCAL AUTHORITY HAVING JURISDICTION.
- INTERCEPTOR EXCEEDING 6'-0" IN DEPTH MUST BE CONSTRUCTED OF REINFORCED CONCRETE.
- ALL SURFACE WATER TO DRAIN AWAY FROM INTERCEPTOR.
- STRUCTURE NOT FOR TRAFFIC LOADING.
- GREASE INTERCEPTOR SHALL COMPLY WITH THE CURRENT EDITION OF THE UNIFORM PLUMBING CODE.

NOTES:

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- ALL SINK AND LAVATORY TRAPS SHALL BE PROVIDED WITH A CLEANOUT PLUG IN THE BOTTOM OF THE TRAP.
- ALL PLUMBING FIXTURES SHALL BE CAULKED AND SEALED TO SURROUNDING SURFACES.
- PLUMBING CONTRACTOR SHALL VERIFY THE LOCATION OF ALL LAVATORIES AND SINKS THAT NEED TO BE INSTALLED WITH THE BRANCH TAIL PIECE SECTION WITH 3/4" DRAIN CONNECTION. THE PLUMBING CONTRACTOR WILL BE RESPONSIBLE TO VERIFY THE PLUMBING ROUGH-IN DIMENSIONS AND SHALL TAKE INTO ACCOUNT THE TAIL PIECE EXTENSION DIMENSIONS.

NOTES:

- THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL BACKFLOW DEVICES TO BE INSPECTED BY A CERTIFIED BACKFLOW TECHNICIAN BEFORE THE USE OF THE BUILDING POTABLE WATER SYSTEM.
- THIS BACKFLOW PREVENTER CAN BE INSTALLED IN A VERTICAL CONFIGURATION WHEN SPACE IN ROOM IS LIMITED. REFERENCE PLANS FOR CONFIGURATION OR CONTACT THE ENGINEER FOR APPROVAL.
- THIS SYSTEM IS FOR INDOOR INSTALLATIONS ONLY. THIS VALVE SHALL BE EASILY ACCESSIBLE TO FACILITATE TESTING AND SERVICING. DO NOT INSTALL IN A CONCEALED LOCATION.

APPROVED PIPE SUPPORT SYSTEMS:

PIPE SUPPORTS SHALL BE AS FOLLOWS:	SIZE OF PIPE	SUPPORT REQUIRED
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VERSABLOCK BY FREEDOM INC., VERSABLOCK.COM 1-866-612-5625 OR 1-208-861-0229

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VERSABLOCK BY FREEDOM INC., VERSABLOCK.COM 1-866-612-5625 OR 1-208-861-0229

EQUIPMENT CONNECTION NOTES:

- PROVIDE RUNNING TRAP WITH AIR VENT AT EACH EQUIPMENT CONNECTION.
- ALL CONDENSATE DRAIN PIPING ON ROOF AND/OR AT UNIT SHALL BE TYPE L COPPER.

NOTES:

- THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL BACKFLOW DEVICES TO BE INSPECTED BY A CERTIFIED BACKFLOW TECHNICIAN BEFORE THE USE OF THE BUILDING POTABLE WATER SYSTEM.
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APPROVED PIPE SUPPORT SYSTEMS:

PIPE SUPPORTS SHALL BE AS FOLLOWS:	SIZE OF PIPE	SUPPORT REQUIRED
	1/2"	6' O.C.
	3/4" - 1"	8' O.C.
	1 1/4" OR LARGER	10' O.C.

VERSABLOCK BY FREEDOM INC., VERSABLOCK.COM 1-866-612-5625 OR 1-208-861-0229

APPROVED PIPE SUPPORT SYSTEMS:

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VERSABLOCK BY FREEDOM INC., VERSABLOCK.COM 1-866-612-5625 OR 1-208-861-0229

EQUIPMENT CONNECTION NOTES:

- PROVIDE RUNNING TRAP WITH AIR VENT AT EACH EQUIPMENT CONNECTION.
- ALL CONDENSATE DRAIN PIPING ON ROOF AND/OR AT UNIT SHALL BE TYPE L COPPER.

NOTES:

- THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL BACKFLOW DEVICES TO BE INSPECTED BY A CERTIFIED BACKFLOW TECHNICIAN BEFORE THE USE OF THE BUILDING POTABLE WATER SYSTEM.
- THIS BACKFLOW PREVENTER CAN BE INSTALLED IN A VERTICAL CONFIGURATION WHEN SPACE IN ROOM IS LIMITED. REFERENCE PLANS FOR CONFIGURATION OR CONTACT THE ENGINEER FOR APPROVAL.
- THIS SYSTEM IS FOR INDOOR INSTALLATIONS ONLY. THIS VALVE SHALL BE EASILY ACCESSIBLE TO FACILITATE TESTING AND SERVICING. DO NOT INSTALL IN A CONCEALED LOCATION.

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APPROVED PIPE SUPPORT SYSTEMS:

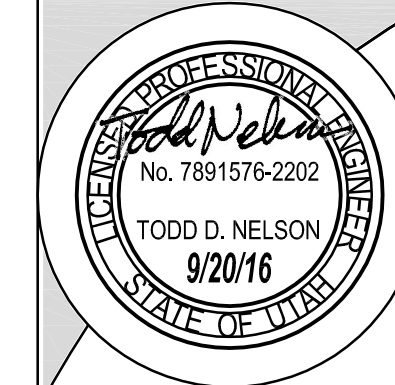
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	3/4" - 1"	8' O.C.
	1 1/4" OR	



MUSGROVE ENGINEERING, P.A.
 234 S. Whisperwood Way
 Boise, Idaho 83709
 208.384.0184
 www.musgrovepa.com
 OVER 30 YEARS OF EXCELLENCE
 project number: 16-058



THE RICHARDSON DESIGN PARTNERSHIP, L.L.C.
 510 South 600 East
 Salt Lake City, Utah 84102
 P: 801.355.6868
 F: 801.355.6880



TODD D. NELSON
 9/20/16
 LICENSED PROFESSIONAL ENGINEER
 STATE OF UTAH

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CONSULTANT:

T.C. ENTERPRISE

OWNER:

PARDOE ASSISTED LIVING - MIDVALE
 69 68 SOUTH 700 WEST
 MIDVALE, UTAH 84095

DATE	DESCRIPTION
9/27/16	PERMIT SET
9/16/16	CITY COMMENTS

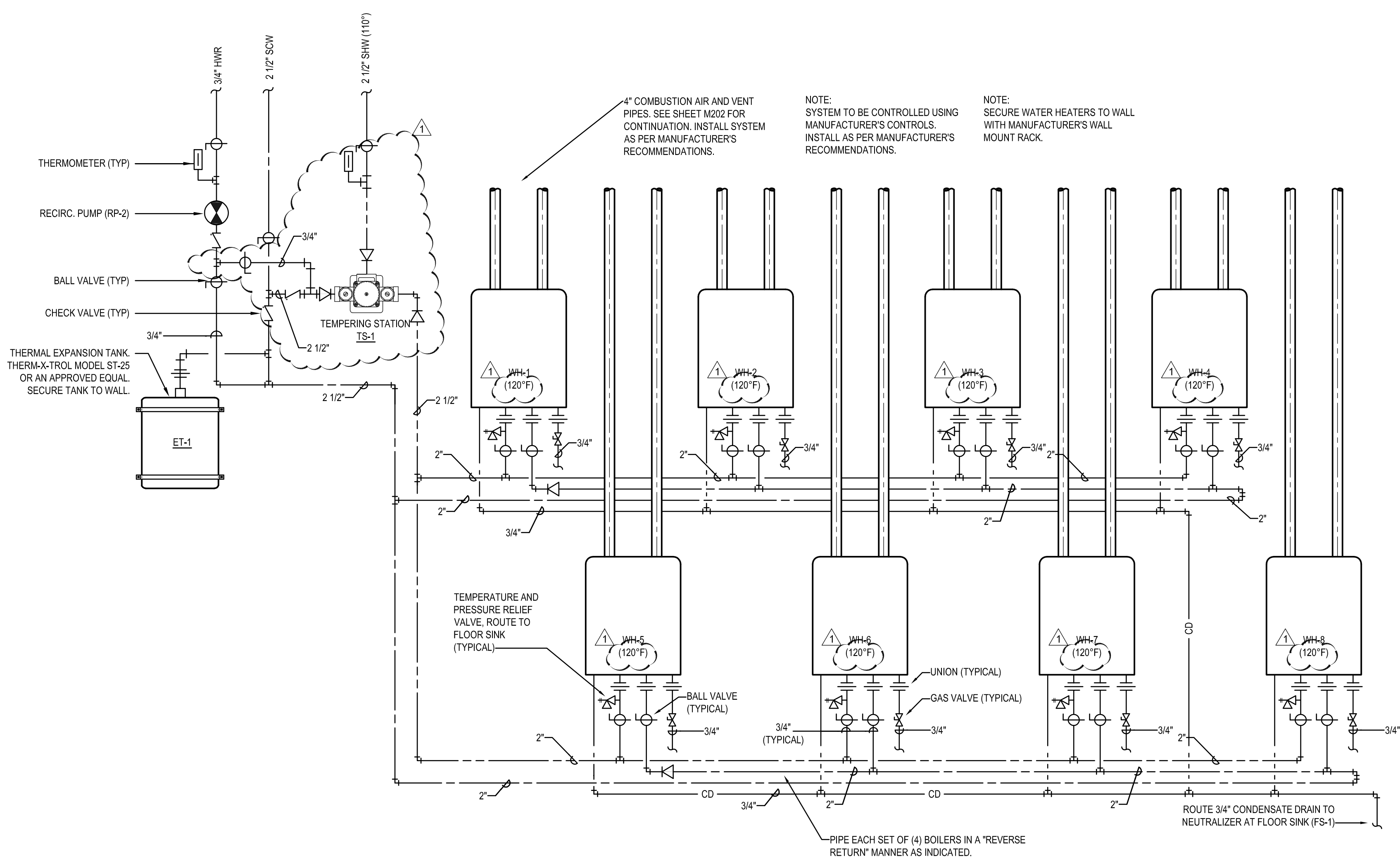
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16-058	9/27/16	DA

PROJECT # 16-058
 DATE 9/27/16
 CHECKED BY: DA

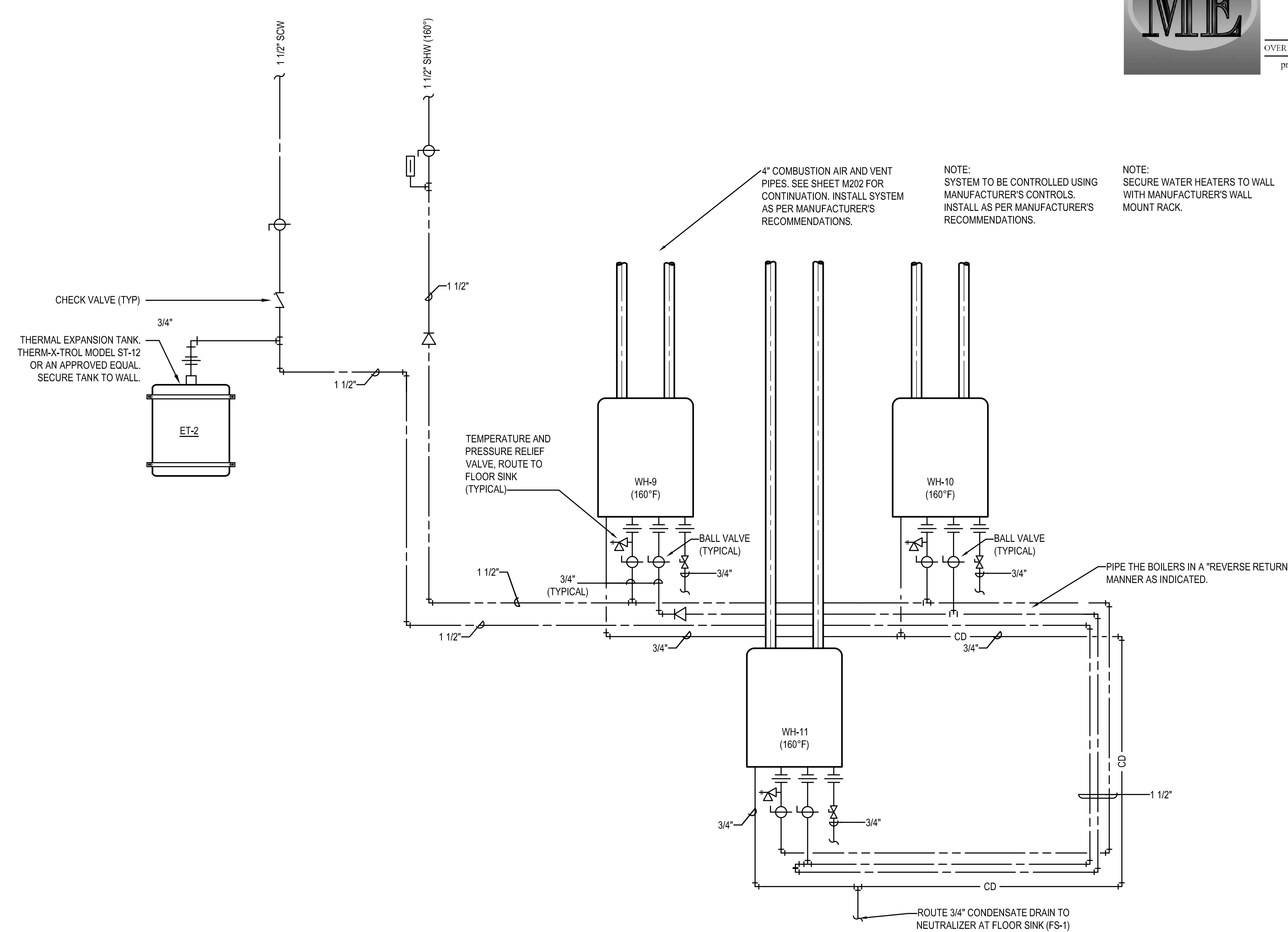
P301
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6.27.2016 - PERMIT SET

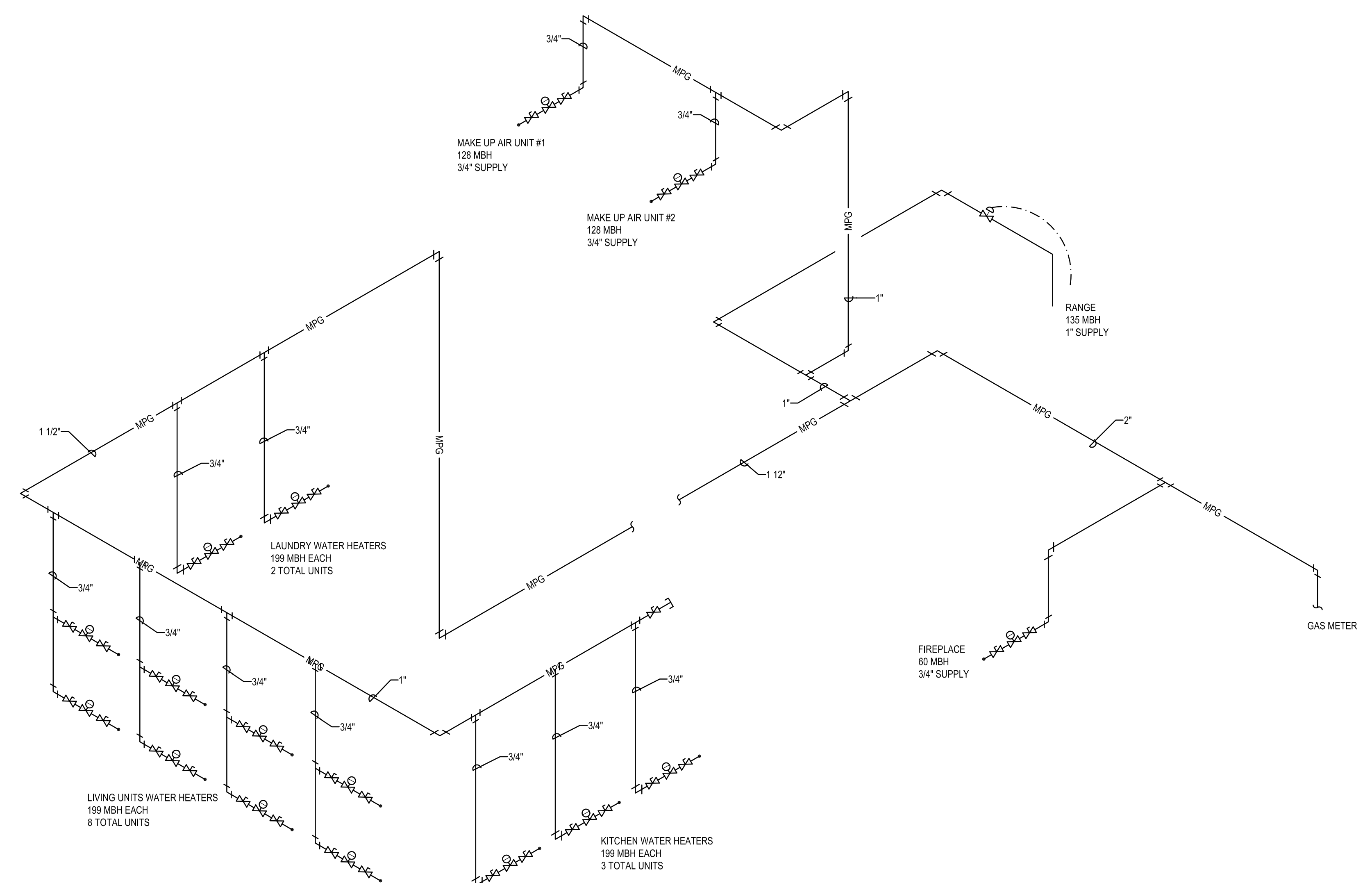
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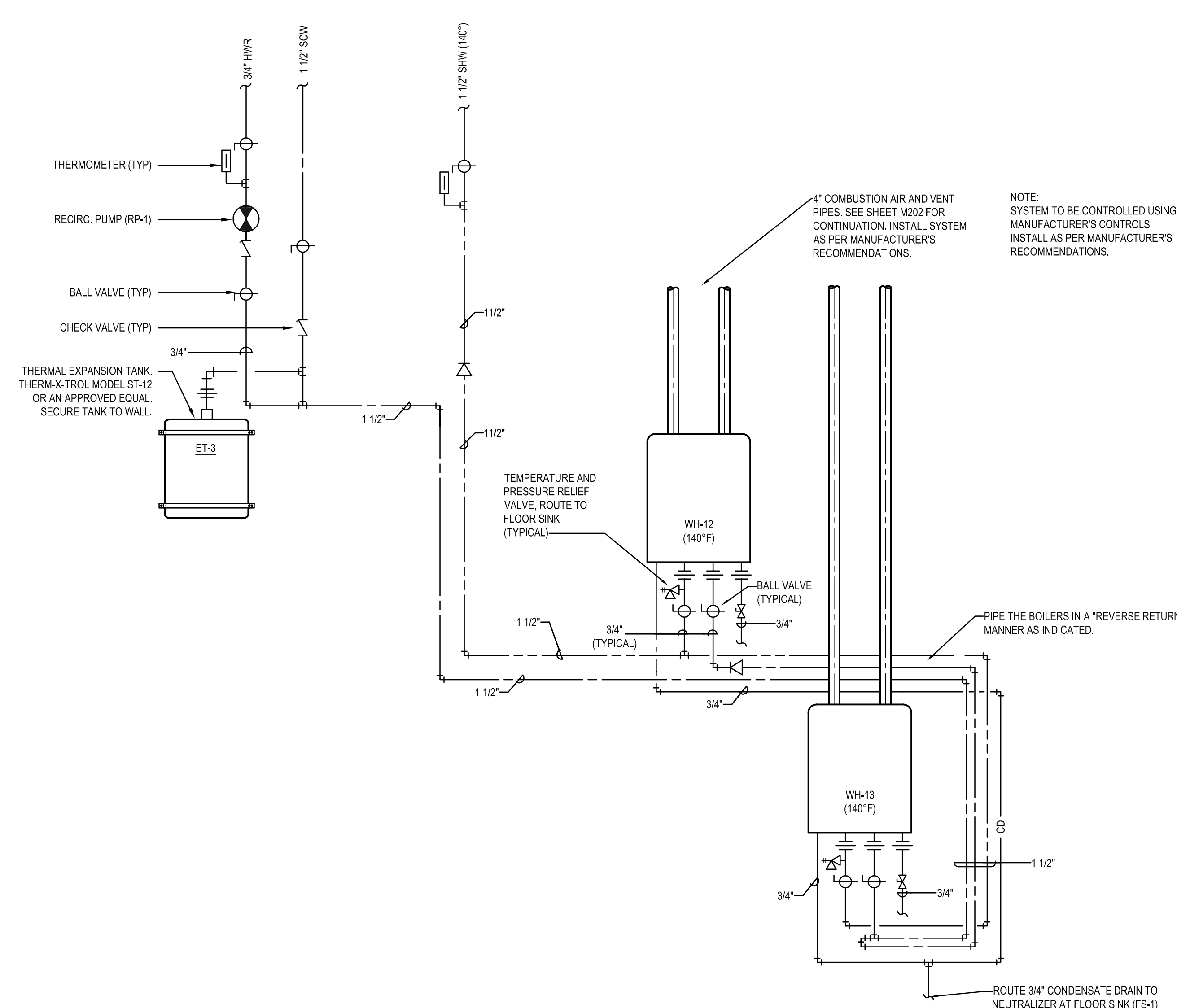
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 NOT TO SCALE



2 LAUNDRY WATER HEATER PIPING SCHEMATIC
 NOT TO SCALE



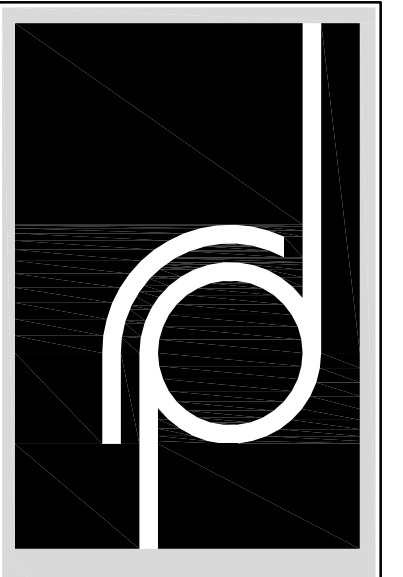
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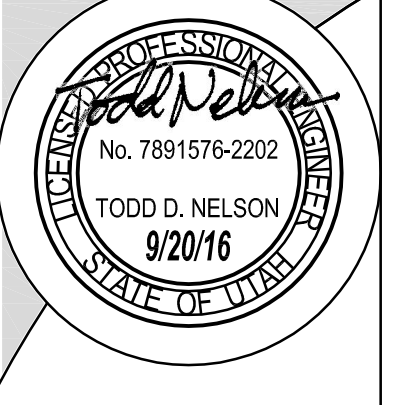
3 KITCHEN WATER HEATER PIPING SCHEMATIC
 NOT TO SCALE



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 510 South 600 East
 Salt Lake City, Utah 84102
 P: 801.355.6868
 F: 801.355.6880



TODD D. NELSON
 9/20/16

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CONSULTANT:
T.C. ENTERPRISE

OWNER:
PARDOE ASSISTED LIVING - MIDVALE
 69 68 SOUTH 700 WEST
 MIDVALE, UTAH 84095

PROJECT:
 DATE: 9/27/16
 PERMIT SET
 CITY COMMENTS:
 PROJECT NO. 16-058
 SHEET # P400
 CHECKED BY: DA

6.27.2016 - PERMIT SET

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE DESCRIPTION	CONNECTION SIZE					MANUFACTURER / MODEL NUMBER / DESCRIPTION / ADDITIONAL COMMENTS
		WASTE	VENT	TRAP	CW	HW	
AG-1	AIR GAP (IN-LINE DRAIN CONNECTION FOR DISHWASHERS)	SEE PLANS	--	--	--	--	BRASSCRAFT MODEL BC9441, OR APPROVED EQUAL.
DCBP-1	DOUBLE CHECK BACKFLOW PREVENTER	--	--	--	3	--	WATTS, SERIES LF 007 DOUBLE CHECK VALVE ASSEMBLY, MODEL NO. LF 007 REPLACEABLE SEATS AND SEAT DISCS, CAST BRONZE BODY CONSTRUCTION- 1/2" THRU 2", 2-1/2" THRU 10" 757 SERIES, PROVIDE WITH STRAINER, LEAD FREE.
DF-1	DRINKING FOUNTAIN (INTERIOR DUAL BUBBLERS) (ELECTRIC WATER COOLER) (ADA COMPLIANT)	1 1/2	1 1/2	1 1/2	1/2	--	ELKAY MODEL EZSTL&C WITH FLEX-GUARD ANTI-MICROBIAL SAFETY BUBBLER, OPERATED BY FRONT OR REAR PUSH BARS, CLEANABLE Y STRAINER, 115 VOLT, 4.0 AMP, 60 HERTZ, PROVIDE WITH JAY R. SMITH 0834 FLOOR MOUNTED SUPPORT CARRIER, AND FILTER MODEL EVF172. OPTION- CANE APRON.
DN-1	DOWN SPOUT NOZZLE	--	--	--	--	--	JAY R. SMITH FIGURE NUMBER 1776-NB, CAST IRON NOZZLE WITH WALL FLANGE, NICKEL-BRONZE FINISH.
ET-1	EXPANSION TANK	--	--	--	34	--	AMTROL THERM-X-TROL MODEL ST-25, NON-ASME SERIES THERMAL EXPANSION ABSORBER.
ET-2	EXPANSION TANK	--	--	--	34	--	AMTROL THERM-X-TROL MODEL ST-12, NON-ASME SERIES THERMAL EXPANSION ABSORBER.
ET-3	EXPANSION TANK	--	--	--	34	--	AMTROL THERM-X-TROL MODEL ST-12, NON-ASME SERIES THERMAL EXPANSION ABSORBER.
FCO	FLOOR CLEANOUT	SEE PLANS	--	--	--	--	JAY R. SMITH 4020 SERIES WITH ADJUSTABLE TOP AND ABS PLUG, PROVIDE WITH FIGURE NUMBER 9912 FOR HEIGHT ADJUSTMENT AFTER CONCRETE POUR.
FD-1	FLOOR DRAIN (CONCRETE FLOOR)	2	2	2	--	--	SIOUX CHIEF SERIES NUMBER 832-2P/R, POST CONSTRUCTION LEVELING FLOOR DRAIN, NO-HUB OUTLET, 8 1/2" ROUND, NICKEL BRONZE FINISH, WITH ADJUSTABLE STRAINER AND TRAP PRIMER, INSTALL TOP OF DRAIN 1/8" BELOW FINISH FLOOR AND CAULK EDGE.
FD-2	FLOOR DRAIN (CONCRETE FLOOR)	4	2	4	--	--	SIOUX CHIEF SERIES NUMBER 832-4P/R, POST CONSTRUCTION LEVELING FLOOR DRAIN, NO-HUB OUTLET, 8" ROUND, NICKEL BRONZE FINISH, WITH ADJUSTABLE STRAINER AND TRAP PRIMER, INSTALL TOP OF DRAIN 1/8" BELOW FINISH FLOOR AND CAULK EDGE.
FS-1	FLOOR SINK (8" DEEP) (HALF GRATE) (FOOT TRAFFIC RATED) COMMERCIAL KITCHEN BAR, OR PROCESSING LOCATIONS	2	2	2	--	--	JAY R. SMITH FIGURE NUMBER 3002, STAINLESS STEEL RECEPTOR, STEEL DOME STRAINER AND GRATE WITH TRAP PRIMER, INSTALL TOP OF SINK 1/8" BELOW FINISH FLOOR AND CAULK EDGE.
FS-2	FLOOR SINK (10" DEEP) (HALF GRATE) (FOOT TRAFFIC RATED) COMMERCIAL KITCHEN BAR, OR PROCESSING LOCATIONS	4	2	4	--	--	JAY R. SMITH FIGURE NUMBER 3004, STAINLESS STEEL RECEPTOR, STEEL DOME STRAINER AND GRATE WITH TRAP PRIMER, INSTALL TOP OF SINK 1/8" BELOW FINISH FLOOR AND CAULK EDGE.
GCO	GRADE CLEANOUT (PAVED AREAS) (VEHICULAR TRAFFIC)	SEE PLANS	--	--	--	--	JAY R. SMITH 4250 SERIES, ROUND FLANGED HOUSING WITH HEAVY DUTY CAST IRON COVER, FURNISH WITH ABS PLUG, COVER TO BE INSCRIBED "SAN".
GI-1	GREASE INTERCEPTOR (1500 GALLONS)	4	3	--	--	--	PRE-CAST CONCRETE, 1500 GALLON CAPACITY, GREASE INTERCEPTOR, SEE DRAWING FOR DETAILS, NO SPLIT DESIGN VAULTS WITH GASKETS BELOW FLUID LEVEL ALLOWED.
HB-1	HOSE BIBB (EXTERIOR) (NON-FREEZE)	--	--	--	34	--	WOODFORD MODEL 67 - EXPOSED STYLE WITH MODEL 50HA BACKFLOW PREVENTER, 3/4" INLET, AND CHROME PLATED, PROVIDE WITH TEE KEY AND INSTALL AT 18" ABOVE FINISH GRADE.
LAV-1	LAVATORY (UNDERCOUNTER MOUNT) (ADA COMPLIANT)	1 1/2	1 1/2	1 1/4	1/2	1/2	KOHLER CAXTON MODEL K-2211- VITREOUS CHINA, UNDER-COUNTER MOUNT LAV WITH SYMMONS SYMMETRIX S-20-FS-FR TEMPERATURE LIMITING FAUCET WITH LEVER HANDLE, POP-UP DRAIN ASSEMBLY AND 0.5 GPM FLOW RESTRICTOR, OR APPROVED EQUAL.
LAV-2	LAVATORY (WALL MOUNTED) (ADA COMPLIANT)	1 1/2	1 1/2	1 1/4	1/2	1/2	KOHLER CHESAPEAKE K-1729, WALL HUNG, 20"X18", VITREOUS CHINA, CONCEALED ARM SUPPORT, 4" CENTERS, SYMMONS SYMMETRIX S-20-FS-FR TEMPERATURE LIMITING FAUCET WITH LEVER HANDLE, GRID DRAIN ASSEMBLY AND 0.5 GPM FLOW RESTRICTOR, OR APPROVED EQUAL.
LI-1	LINT INTERCEPTOR	4	2	--	--	--	JAY R. SMITH FIGURE NUMBER 8205-50, 50 GPM, FABRICATED STEEL WITH GRAY DUCCO COATING, STAINLESS STEEL PRIMARY AND SECONDARY LINT SCREENS, 3/16" DIAMOND PLATE SECURED AND GASKETED COVER, THREADED INLET AND OUTLET.
OD-1	OVERFLOW ROOF DRAIN (LOW PROFILE DOME STYLE) (METAL GRATE)	--	--	--	--	--	JAY R. SMITH FIGURE NUMBER 1070Y-R-C-RS-CID WITH CAST IRON DOME GRATE AND RAIN SHIELD.
RD-1	ROOF DRAIN (LOW PROFILE DOME STYLE) (METAL GRATE)	--	--	--	--	--	JAY R. SMITH FIGURE NUMBER 1010Y-R-C-CID WITH CAST IRON DOME GRATE.
RP-1	RECIRCULATION PUMP (HOT WATER RETURN SYSTEM) (KITCHEN HOT WATER RECIRC)	--	--	--	--	34	BELL AND GOSSETT BRONZE MODEL NBF-22, 115 VOLT, 8 AMPS, 92 WATTS, AND SHALL PROVIDE 7 GPM AT 10 FEET HEAD, INCLUDE 7-DAY PROGRAMMABLE ELECTRONIC TIME CLOCK WITH BATTERY BACKUP, INTERMATIC MODEL GM40AVE, APPROVED ALTERNATE: ARMSTRONG, TACO, GRUNDFOS.
RP-2	RECIRCULATION PUMP (HOT WATER RETURN SYSTEM) (LIVING UNITS HOT WATER RECIRC)	--	--	--	--	34	BELL AND GOSSETT BRONZE MODEL NBF-33, 115 VOLT, 1.1 AMPS, 125 WATTS, AND SHALL PROVIDE 9 GPM AT 10 FEET HEAD, INCLUDE 7-DAY PROGRAMMABLE ELECTRONIC TIME CLOCK WITH BATTERY BACKUP, INTERMATIC MODEL GM40AVE, APPROVED ALTERNATE: ARMSTRONG, TACO, GRUNDFOS.
S-1	SINK - SINGLE COMPARTMENT (19" X 22" X 6 1/2") (ADA COMPLIANT)	2	1 1/2	1 1/2	1/2	1/2	ELKAY LUSTERTONE MODEL LRAD-2219-65-1, 18" GAUGE TYPE 302 STAINLESS STEEL, SELF-RIMMING, 1-HOLE, WITH ELKAY LKD223 GOOSENECK FAUCET WITH DUAL HANDLES, CHROME PLATED STRAINER, OR APPROVED EQUAL.
S-2	SINK - SHAMPOO SINK (22" X 19" X 10")	1 1/2	1 1/2	1 1/4	1/2	1/2	BELVEDERE 3100 OR MARBLE PRODUCTS 100, COUNTERTOP SHAMPOO CAMO PORCELAIN-CAST IRON SINK, BELVEDERE 522-403 OR MARBLE PRODUCTS 350 DIAL, FLO FAUCET WITH FLOW RESTRICTOR, VACUUM BREAKER, AND 2 GPM AERATOR, J.R. SMITH 6790T HAIR INTERCEPTOR.
S-3	SINK - LAUNDRY (23" X 21" X 13")	1 1/2	1 1/2	1 1/4	1/2	1/2	FIAT DL-1, WHITE MOLDED STONE, 4" CENTERS, MOEN 74986 TWO HANDLE LAUNDRY FAUCET.
S-4	SINK - SINGLE COMPARTMENT (19" X 22" X 6 1/2") (ADA COMPLIANT)	INDIRECT CONNECT TO S-1		1/2	1/2	1/2	ELKAY LUSTERTONE MODEL LRAD-2219-65-1, 18" GAUGE TYPE 302 STAINLESS STEEL, SELF-RIMMING, 1-HOLE, WITH ELKAY LKD223 GOOSENECK FAUCET WITH DUAL HANDLES, CHROME PLATED STRAINER, OR APPROVED EQUAL.
SA-1	SHOCK ABSORBER (WATER HAMMER ARRESTOR)	--	--	--	--	--	JAY R. SMITH FIGURE NUMBER 5005 TO 5050, OR APPROVED EQUAL, SIZED PER FIXTURES SERVED, PROVIDE AN ACCESS PANEL AND A BALL TYPE SHUT-OFF VALVE UPSTREAM OF SHOCK ABSORBER.
SHR-1	SHOWER (36" X 36" X 75") (ADA COMPLIANT)	2	1 1/2	2	1/2	1/2	LASCO VITALITY II MODEL 1903-4F/9C, ADA APPROVED FIBERGLASS REINFORCED POLYESTER RESIN SHOWER MODULE, FOLD-UP SEAT, SAFETY GRAB BARS, MOLDED SOAP DISH, NO THRESHOLD, CENTER DRAIN, SLIP RESISTANT BOTTOM, SYMMONS TEMPTROL II MODEL BP-56-500-B30-V-X PRESSURE BALANCE SHOWER CONTROL VALVE WITH ADJUSTABLE STOP SCREW TO LIMIT HANDLE TURN, LEVER DIVERTER WITH VOLUME CONTROL, 2.5 GPM SHOWER HEAD, WALL HANDSPRAY, IN-LINE VACUUM BREAKER, FLEXIBLE METAL HOSE, WALL CONNECTION AND FLANGE, 30" SLIDE BAR, POLISHED CHROME FINISH, STAINLESS STEEL CURTAIN ROD WITH ESCUTCHEONS, OR APPROVED EQUAL. PLUMBING CONTRACTOR SHALL SPECIFY WHETHER RIGHT OR LEFT FIXTURE WALL.
SS-1	SERVICE SINK (28" X 28")	3	2	3	1/2	1/2	KOHLER WHITBY K-6710, WHITE ENAMELED CAST IRON, VINYL RM GUARD, REMOVABLE STRAINER, K-8929 SERVICE SINK FAUCET WITH VACUUM BREAKER AND HOSE WITH HOSE BRACKET, OR APPROVED EQUAL.
TS-1	TEMPERING STATION (DOMESTIC HOT WATER)	--	--	--	1 1/2	1 1/2	ACORN MODEL MV17-5, BRASS BODY VALVE WITH TWO (2) 1 1/2" NPT BRASS BALL VALVES.
TP-1	TRAP PRIMER (PRESSURE ACTIVATED) (1 TO 4 TRAPS)	--	--	--	1/2"	--	TECHNIPON PUMPING PRODUCTS MODEL TPC560 WITH BUSHING FOR USE WITH 1/2" NPT TRAP. PROVIDE MORE THAN ONE TRAP. APPROVED ALTERNATES: MIFAB, SIOUX CHIEF, SLOAN, AND ZURN.
WB-1	WALL BOX (WATER SUPPLY TO ICE MAKER)	--	--	--	1/2	--	QATEY FIREMASTER MODEL 39121 WITH FACEPLATE, ADJUSTABLE METAL SUPPORT BRACKET, FIRE-RATED, LOW LEAD, OR APPROVED EQUAL.
WB-2	WALL BOX (SUPPLY TO AND DRAIN FROM WASHING MACHINE)	2	1 1/2	2	1/2	1/2	QATEY FIREMASTER MODEL 39479 WITH ADJUSTABLE METAL SUPPORT BRACKET, AND WATER HAMMER ARRESTORS, FIRE RATED, OR APPROVED EQUAL.
WC-1	WATER CLOSET (FLUSH TANK) (FLOOR MOUNTED) (COMFORT HEIGHT / ADA)	3	2	INT.	1/2	--	KOHLER HIGHLINE PRESSURE LITE K-3519-0, FLUSH TANK, FLOOR MOUNTED, 17-1/8" HIGH, 1.0 GPF, ELONGATED, WHITE VITREOUS CHINA, TWO BOLT CAPS, CHURCH 380SL0WT SOLID PLASTIC SEAT WITH COVER, OR APPROVED EQUIVALENT, CHROME PLATED SUPPLY WITH SHUTOFF VALVE.
WC-2	WATER CLOSET (FLUSH TANK) (FLOOR MOUNTED) (COMFORT HEIGHT / ADA)	3	2	INT.	1/2	--	KOHLER HIGHLINE PRESSURE LITE K-3519-0, FLUSH TANK, FLOOR MOUNTED, 17-1/8" HIGH, 1.0 GPF, ELONGATED, WHITE VITREOUS CHINA, TWO BOLT CAPS, CHURCH 9500C SOLID PLASTIC OPEN FRONT SEAT-LESS COVER OR APPROVED EQUIVALENT, CHROME PLATED SUPPLY WITH SHUTOFF VALVE.
WCO	WALL CLEANOUT	SEE PLANS	--	--	--	--	JAY R. SMITH 4472T SERIES WITH CAST BRONZE TAPER THREAD PLUG, STAINLESS STEEL ROUND COVER, AND A STAINLESS STEEL VANDAL PROOF SCREW.
WH-1 THRU WH-13	WATER HEATER (TANKLESS) (NATURAL GAS)	--	--	--	SEE PLANS	SEE PLANS	RINNAI MODEL RTG-199HE-N CONDENSING TYPE TANKLESS HEATER, 110V/10, 199 MBH INPUT, .26 TO 9.8 GPM CAPACITY RANGE @ .4 GPM ACTIVATION RATE, PROVIDE WITH MC-91-1 DIGITAL CONTROLLER, POLYPROPYLENE VENTING KIT, CONDENSATE NEUTRALIZER KIT, SERVICE FLUSH VALVES, AND WALL RACK SYSTEM.
WS-1	WATER SOFTNER	--	--	--	2	SEE PLANS	WATER DOCTOR DOMINATOR MODEL A956SM-210, MAXIMUM 210,000 GRAINS, 7.0 CUBIC FEET RESIN, 21" DIAMETER X 62" HIGH SOFTENER TANK, 24" DIAMETER X 50" HIGH BRINE TANK, 570 LBS, CAPACITY OF SALT, 2" PIPE SIZE, 10 GPM BACKWASH, ELECTRONIC CONTROLLER TO REGENERATE ONLY WHEN NECESSARY.

- NOTES:
- ALL ADA COMPLIANT FIXTURES MUST COMPLY WITH ICC/ANSI A117.1. SEE ARCHITECTURAL PLANS FOR HANDICAPPED FIXTURE DESIGNATIONS, LOCATIONS, CLEARANCES, AND MOUNTING HEIGHTS.
 - ALL EXPOSED HW PIPING, CW PIPING, AND DRAIN LINES BENEATH ALL LAVATORIES AND ALL ADA COMPLIANT SINKS MUST BE INSULATED TO PREVENT INJURY. REFER TO ARCHITECTURAL PLANS, INSULATE WITH MOLDED CLOSED CELL VINYL INSULATION - TRUBERO, PLUMBEREX, OR EQUAL.
 - PROVIDE P-TRAP PRIMERS FOR ALL FLOOR DRAINS AND FLOOR SINKS. PROVIDE A BALL TYPE SHUT-OFF VALVE UPSTREAM OF PRIMER VALVE. SEE SPECIFICATIONS.
 - SEE SPECIFICATIONS FOR ALTERNATE APPROVED MANUFACTURERS.
 - HIGH EFFICIENCY WATER HEATERS: PROVIDE WITH CONDENSATE NEUTRALIZATION KIT BY JIM BOILER WORKS MODEL JM (OR EQUAL), SIZED PER EQUIPMENT CAPACITY.
 - BACKFLOW PREVENTION: THIS BUILDING IS PROVIDED WITH A BACKFLOW PREVENTION DEVICE ON THE MAIN WATER SERVICE AND REDUCED PRESSURE BACKFLOW PREVENTION ON THE FOLLOWING PIECES OF EQUIPMENT: SODA FOUNTAIN