N

1 P100 **PLUMBING PLAN - WASTE AND VENT**

SCALE: 1/8" = 1'-0"

KITCHEN EQUIPMENT SCHEDULE

SYMBOL	FIXTURE	RUNOUT SIZE				REMARKS
		W	CW	HW	G	
2	HAND SINK	2"	1/2"	1/2"	-	-
3	ICE MAKER	FD	1/2"	-	-	-
7	ICE/SODA DISPENCER	FD	1/2"	-	-	-
8	ICE TEA BREWER	FD	1/2"	-	-	-
11	COFFEE BREWER	FD	1/2"	-	-	-
21	RANGE	-	-	-	3/4"	302 MBH
22	CONVECTION OVEN	-	-	-	3/4"	70 MBH
31	SINK	FS	1/2"	1/2"	-	-
34	THREE COMPARTMENT SINK	FS	1/2"	1/2"	-	-
38	DISHWASHER	FS	-	3/4"	-	-
39	SOILED DISH TABLE	FS	1/2"	1/2"	-	-

KEYNOTE (THIS SHEET ONLY)

1 MOUNT DRAIN IN WALL PER DETAIL 7/P200

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PROJECT TITLE:

JUD C HICKEY CENTER

REVISIONS

REV #	DATE	APRVD BY	REVISION
	11/17/21	JMF	65% SET
	2/16/22	JMF	ISSUE FOR PERMIT
1	9/9/22	JMF	OWNER REVISIONS

DA PROJECT NUMBER & NAME: 1893

DRAWING TITLE:

PLUMBING PLAN - WASTE AND VENT

DRAWING NO:

P100

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1/4 1/2 3/4 1" REFERENCE SCALE

PLOT DATE: 02/16/22
FILE NAME: 21011 MECH
PLOT SCALE: 1 = 96
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1 P101 **PLUMBING PLAN - WATER AND GAS**

SCALE: 1/8" = 1'-0"

KEYNOTE (THIS SHEET ONLY)

1. COORDINATE EMERGENCY SHUTOFF VALVE ON GAS SUPPLY WITH HOOD FIRE SUPPRESION SYSTEM.
2. 1/2" HW AND CW DN TO PEDICURE SUPPLY STOPS AT 12"A.F. AND CONNECT TO EQUIPMENT.

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PLUMBING PLAN - WATER AND GAS

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1 / P200 **WATER VALVE LOCATOR TAG**
NOT TO SCALE

5 / P200 **MULTI-COMPARTMENT SINK DETAIL**
NOT TO SCALE

9 / P200 **DRUM TRAP DETAIL**
SCHEMATIC ONLY

2 / P200 **PLUMBING DOMESTIC WATER RISER**
SCHEMATIC ONLY

6 / P200 **CLEANOUT DETAILS**
SCHEMATIC ONLY

3 / P200 **RUNOUT ANCHOR DETAILS**
SCHEMATIC

7 / P201 **CONDENSATE DRAIN OUTLET**
SCHEMATIC ONLY

4 / P200 **WASHING MACHINE BOX DETAIL**
SCHEMATIC ONLY

8 / P200 **WATER HEATER PIPING DETAIL**
NOT TO SCALE

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GENERAL PLUMBING NOTES

EXACT LOCATION SHALL BE DETERMINED BY JOB CONDITIONS. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF HIS WORK WITH THAT OF OTHER TRADES AND ARRANGE PIPING TO CLEAR STRUCTURAL MEMBERS AND DUCTWORK. RISERS FOR FIXTURES, UNLESS OTHERWISE NOTED, SHALL BE CONCEALED IN WALLS OR PIPE CHASES.

INSTALL UNDERGROUND WATER LINE(S) ABOVE SOIL AND WASTE LINE(S(S). WATER LINE IN SAME TRENCH WITH SOIL OR WASTE LINE SHALL BE INSTALLED ON AN UNDISTURBED EARTH LEDGE WITH THE BOTTOM OF THE WATER LINE 12" (MIN.) ABOVE TOP OF SOIL OR WASTE LINE.

REFER TO ARCHITECTURAL FINISH SCHEDULE AND ELEVATIONS FOR DETAILS OF FLOORS WHERE FLOOR DRAINS AND CLEANOUTS ARE LOCATED.

INSTALL EXTERIOR WALL HYDRANTS 18" ABOVE FINISH GRADE, EXCEPT AS NOTED OTHERWISE.

CONNECTION OF KITCHEN EQUIPMENT SHALL BE BY THIS CONTRACTOR UNDER THE SUPERVISION OF EQUIPMENT MANUFACTURER'S REPRESENTATIVE. PROVIDE SHUTOFF VALVES WHERE WATER AND/OR GAS CONNECT TO EQUIPMENT. PROVIDE INDIRECT DRAIN CONNECTIONS FROM EQUIPMENT TO FLOOR DRAINS.

PROVIDE SLEEVES FOR PIPES PASSING THRU FLOORS, MASONRY WALLS AND FIRE OR SMOKE PARTITIONS. PACK ANNULAR SPACE BETWEEN PIPE WITH MATERIAL APPROVED IN U.L. BUILDING DIRECTORY.

INSTALL INTERIOR HOSE BIBBS 20" ABOVE FLOOR EXCEPT AS NOTED OTHERWISE. WHERE HOSE BIBBS ARE INSTALLED ADJACENT TO FIXTURE STOPS, INSTALL HOSE BIBBS AT SAME CENTERLINE ELEVATIONS AS FIXTURE STOPS.

COORDINATE LOCATIONS OF FLOOR DRAINS AND CLEANOUTS IN MECHANICAL ROOMS WITH HVAC EQUIPMENT.

PROVIDE DRAIN TRAP SEALS EQUAL TO MIFAB MIGARD FOR ALL HUB DRAINS, FLOOR DRAINS & FLOOR SINKS.

VENT TERMINALS SHALL NOT BE LOCATED WITHIN 10' OF FRESH AIR INTAKE. COORDINATE WITH APPROPRIATE TRADE

PLUMBING SPECIFICATIONS

GENERAL: ENTIRE SYSTEM SHALL BE INSTALLED TO MEET APPLICABLE LOCAL, STATE AND NATIONAL CODES, CURRENT REQUIREMENTS OF NFPA AND NATIONAL ELECTRIC CODE.

PLUMBING SHALL COMPLY WITH THE INTERNATIONAL PLUMBING CODE.

NATURAL GAS SYSTEM SHALL COMPLY WITH THE INTERNATIONAL FUEL GAS CODE AND GAS SERVICE PROVIDER.

ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. INSTALLING CONTRACTOR SHALL FURNISH FULLY FUNCTIONING SYSTEMS.

PLUMBING SUBCONTRACTOR SHALL HAVE A CLASS II UNLIMITED LICENSE AND SHALL HAVE DEMONSTRATED PROFICIENCY IN THE INSTALLATION OF PLUMBING SYSTEMS BY THE SUCCESSFUL INSTALLATION OF SYSTEMS SIMILAR TO THOSE INCLUDED IN THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT. A MASTER OR JOURNEYMAN PLUMBER SHALL BE PRESENT AT THE SITE DURING THE INSTALLATION OF ALL PLUMBING RELATED WORK.

OBTAIN ALL NECESSARY PERMITS AND INSPECTIONS REQUIRED FOR THE INSTALLATION OF THIS WORK AND PAY ALL CHARGES INCIDENT THERETO.

COORDINATION: MECHANICAL WORK SHALL BE COORDINATED WITH THAT OF OTHER TRADES TO AVOID CONFLICT. THE CONTRACTOR SHALL STUDY ALL PLANS AND SPECIFICATIONS FOR THIS PROJECT AND SHALL NOTIFY THE GENERAL CONTRACTOR OF ANY CONFLICT BETWEEN WORK UNDER THE PLUMBING DIVISION AND WORK UNDER OTHER DIVISIONS OF THE PROJECT. PARTICULAR ATTENTION SHALL BE GIVEN TO INTERFERENCE BETWEEN PIPING, ELECTRICAL INSTALLATIONS, STRUCTURAL SYSTEMS, BUILDING OPENINGS AND DUCTWORK.

COORDINATE THE INSTALLATION OF REQUIRED SUPPORTING DEVICES AND SET SLEEVES IN POURED-IN-PLACE CONCRETE AND OTHER STRUCTURAL COMPONENTS AS THEY ARE CONSTRUCTED.

SEQUENCE, COORDINATE, AND INTEGRATE INSTALLATIONS OF MECHANICAL MATERIALS AND EQUIPMENT FOR EFFICIENT FLOW OF THE WORK.

NATURAL GAS SERVICE: GAS DISTRIBUTION SYSTEM PIPING, SERVICE PRESSURE REGULATOR AND GAS METER WILL BE PROVIDED BY GAS UTILITY UNDER THIS SECTION. ALL FEES FOR METER INSTALLATION AND CONNECTION SHALL BE BORNE UNDER THIS SECTION.

WASTE AND VENT PIPING: BELOW SLAB: SCH. 40 PVC PIPE AND DRAINAGE PATTERN FITTINGS WITH SOLVENT WELD JOINTS.

WATER PIPING: SCHEDULE 40 CPVC PIPING AND JOINTS WITH SOLVENT WELD FITTINGS. USE TYPE K COPPER WITH SILVER-BRAZED JOINTS UNDER CONCRETE FLOORS AND SLABS. USE BRASS TO CPVC ADAPTERS WHEN TRANSITIONING TO METAL PIPING. USE PREFORMED COPPER ELBOWS EQUAL SIOUX CHIEF 630-C SERIES WHEN TRANSITIONING TO SUPPLY STOPS AND FLUSH VALVES.

FUEL (NATURAL OR PROPANE) GAS PIPING : SCH. 40 BLACK STEEL WITH 125 LB. MALLEABLE IRON SCREW PATTERN FITTINGS. PAINT EXTERIOR EXPOSED GAS PIPING WITH ONE COAT OF PRIMER AND TWO COATS OF YELLOW ENAMEL PAINT.

TESTS: DO NOT COVER PIPING UNTIL TESTS HAVE BEEN APPROVED BY THE OWNER'S REPRESENTATIVE.

WATER PIPING: 150 PSIG HYDROSTATIC PRESSURE FOR 4 HOURS.

WASTE AND VENT PIPING: 10 FT. HYDROSTATIC HEAD FOR 4 HOURS.

ROOF DRAIN PIPING: 10 FT. HYDROSTATIC HEAD FOR 4 HOURS.

FUEL GAS PIPING: 100 PSIG AIR PRESSURE FOR 4 HOURS. APPLY LIQUID LEAK DETECTOR TO ALL JOINTS WHILE SYSTEM IS UNDER TEST PRESSURE.

WATER VALVES: CLASS 150, 400-PSI CWP, ASTM B 584 BRASS OR BRONZE BODY AND BONNET, 2-PIECE CONSTRUCTION; STAINLESS STEEL BALL, FULL PORT; BLOWOUT PROOF; STAINLESS STEEL STEM; TEFLON SEATS AND SEALS.

WATER VALVES SHALL BE AMERICAN VALVE, NIBCO, MILWAUKEE, WATTS OR APOLLO.

FUEL GAS VALVES (COCKS): ASME 16.33 CERTIFIED; FORGED BRASS BODY; STAINLESS STEEL BALL, FULL PORT; BLOWOUT PROOF; STAINLESS STEEL STEM. INCLUDE EPDM O-RING AND PTFE PACKING GLAND STEM WITH PLASTIC COATED HANDLE.

GAS VALVES SHALL BE LEGEND, NIBCO, MILWAUKEE OR WATTS.

GAS PRESSURE REGULATORS: ANSI Z21.18, SINGLE-STAGE, STEEL-JACKETED, CORROSION-RESISTANT PRESSURE REGULATORS. INCLUDE ATMOSPHERIC VENT, ELEVATION COMPENSATOR, WITH THREADED ENDS CONFORMING TO ASME B1.20.1 FOR 2-INCH NPS AND SMALLER AND FLANGED ENDS FOR 2-1/2-INCH NPS AND LARGER. REGULATOR PRESSURE RATINGS, INLET AND OUTLET PRESSURES, AND FLOW VOLUME IN CUBIC FEET PER HOUR OF NATURAL GAS AT SPECIFIC GRAVITY ARE AS INDICATED.

SERVICE PRESSURE REGULATORS: INLET PRESSURE RATING NOT LESS THAN NATURAL GAS DISTRIBUTION SYSTEM SERVICE PRESSURE.

LINE GAS PRESSURE REGULATORS: INLET PRESSURE RATING NOT LESS THAN SYSTEM PRESSURE.

GAS PRESSURE REGULATOR VENTS: FACTORY- OR FIELD-INSTALLED CORROSION-RESISTANT SCREEN IN OPENING WHEN NOT CONNECTED TO VENT PIPING.

INSULATION: INSULATION SHALL BE 1" THREE POUND PER CUBIC FOOT DENSITY PREFORMED FIBERGLASS WITH VAPOR BARRIER AND WHITE FOIL SCRIM CRAFT (ASJ) JACKET WITH GLASS FIBER THREADS. MITER ALL ELBOWS AND SEAL WITH ADHESIVE/MASTIC APPROVED FORMULATED FOR FIBERGLASS INSULATION. FITTINGS SHALL BE COVERED WITH PVC FITTING COVERS. INSULATION SHALL CONFORM TO ASTM E84.

INSULATE THE FOLLOWING:
ABOVEGROUND HOT WATER PIPING.
ABOVEGROUND HOT WATER RETURN PIPING.
ABOVEGROUND COLD WATER PIPING.
P-TRAPS ON DRAINS RECEIVING CONDENSATE.

HANGERS AND SUPPORTS: HANGERS SHALL BE SUPPORTED WITH ALL-THREAD ROD. HANGERS SHALL BE SECURED TO THE CONCRETE DECK ABOVE USING CONCRETE INSERTS. HANGERS SHALL BE ATTACHED TO THE STEEL STRUCTURE OVERHEAD WITH GRINNELL FIG. 86 "C" CLAMP. SUPPORT SPACING SHALL CONFORM TO BUILDING CODE REQUIREMENTS, PIPE MANUFACTURERS' RECOMMENDATIONS, MSS SP-58 AND MSS SP-69.

WATER PIPING: SUPPORT FROM STRUCTURE ABOVE WITH ANVIL CT-69 COPPER PLATED HANGERS OR EQUAL.

SOIL, WASTE AND VENT PIPING: SUPPORT WITH ANVIL FIG. 65 GALVANIZED CLEVIS HANGERS OR EQUAL.

NATURAL GAS PIPING: SUPPORT FROM STRUCTURE ABOVE WITH ANVIL C-69 HANGERS OR EQUAL.

WATER HAMMER ARRESTERS: SIOUX CHIEF OR EQUAL. WATER HAMMER ARRESTERS SHALL BE CERTIFIED WITH THE PLUMBING DRAINAGE INSTITUTE "STANDARD P.D.1. WH-201".

WATER HEATER: COMMERCIAL MODEL WITH STEEL JACKET AND BAKED-ON ENAMEL FINISH; INCLUDE FIBERGLASS OR POLYURETHANE FOAM INSULATION JACKET. TANK SHALL INCLUDE A FACTORY INSTALLED, MAGNESIUM ANODE ROD AND COMBINATION TEMPERATURE AND PRESSURE RELIEF VALVE COMPLYING WITH ASME PTC 25.3. UNIT SHALL HAVE A 3-YEAR WARRANTY. COORDINATE VOLTAGE REQUIREMENTS WITH ELECTRICAL DIVISION.

WATER HEATERS SHALL BE MANUFACTURED BY A.O. SMITH, BRADFORD WHITE, LOCHINVAR, RHEEM, RUUD AND STATE.

EXPANSION TANK: PAINTED STEEL TANK WITH NSF/ANSI 61 BUTYL DIAPHRAGM & POLYPROPYLENE LINER.

EXPANSION TANKS SHALL BE MANUFACTURED BY AMTROL, WATTS, FLEXCON & A.O. SMITH.

RECIRCULATING PUMP: BRONZE PUMP HOUSING WITH CERAMIC SHAFT SUPPORTED BY CARBON BEARINGS AND STAINLESS STEEL IMPELLER; BEARINGS LUBRICATED BY THE CIRCULATING FLUID. INCLUDE AQUASTAT WITH METAL ENCLOSURE, STRAP-ON MOUNTING, VISIBLE POINT SCALE, EXTERNAL ADJUSTMENT SCREW AND 65F TO 200F OPERATING RANGE. WIRE AQUASTAT IN SERIES WITH PUMP.

RECIRCULATING PUMPS SHALL BE MANUFACTURED BY BELL & GOSSET, GRUNDFOS OR TACO.

THERMOSTATIC MIXING VALVES: DURABLE LEAD-FREE BRASS VALVE CASTING WITH BRONZE AND STAINLESS STEEL INTERNAL COMPONENTS; SERVICEABLE INTEGRAL CHECK STOPS; ASSE 1017 COMPLIANT.

MIXING VALVES SHALL BE MANUFACTURED BY APOLLO, BRADLEY, LAWLER, LEONARD, POWERS OR SYMMONS.

PLUMBING FIXTURES & EQUIPMENT : PROVIDE PRODUCT INDICATED ON DRAWINGS OR COMPARABLE PRODUCT BY ONE OF THE FOLLOWING MANUFACTURERS:

VITREOUS CHINA AND CAST IRON FIXTURES SHALL BE MANUFACTURED AMERICAN STANDARD, KOHLER OR ZURN.

FLUSH VALVE SHALL BE MANUFACTURED BY SLOAN, ZURN OR AMERICAN STANDARD.

STAINLESS STEEL SINKS SHALL BE MANUFACTURED BY ADVANCE TABCO, ELKAY, JUST OR FRANKE KINDRED.

WATER COOLERS SHALL BE MANUFACTURED BY ELKAY, HALSEY TAYLOR OR OASIS.

SHOWERS SHALL BE MANUFACTURED BY AMERICAN STANDARD, CHICAGO, KOHLER, SYMMONS OR ZURN.

FAUCETS SHALL BE AS LISTED IN THE PLUMBING FIXTURE SCHEDULE.

DRAINS AND CLEANOUTS SHALL BE MANUFACTURED BY JOSAM, MIFAB, SMITH, WADE, WATTS OR ZURN.

FIXTURE STOPS: CHROME PLATED QUARTER TURN STOPS WITH SOFT COPPER CHROME PLATED RISER AND CHROME ESCUTCHEON EQUAL TO BRASSCRAFT KTCS SERIES, MCGUIRE BV SERIES, WATTS 894 SERIES OR ZURN 8800 SERIES.

FIXTURE TRAPS: 17 GA. CHROME PLATED BRASS W/SLIP NUT OUTLET AND CHROME PLATED DEEP ESCUTCHEON. FOR DOUBLE BOWL SINKS, USE CONTINUOUS WASTE 17 GA. CHROME PLATED BRASS W/SLIP NUT OUTLET AND CHROME PLATED DEEP ESCUTCHEON. TRAPS SHALL BE MANUFACTURED BY MCGUIRE, DEARBORN BRASS, WATTS OR ZURN.

DRAIN TRAP SEALS: DRAIN TRAP SEALS: FITTING INSTALLS IN DRAIN BODY OUTLETS TO BLOCK SEWER GASES; ASSE 1072 COMPLIANT; HDPE OR ABS PLASTIC FRAME WITH SILICON OR EDPM SEALING GASKET.

DRAIN TRAP SEALS SHALL BE PROSET TRAPGURARDS, RECTORSEAL SURESEALS OR JONES STEPHENS GREEN DRAIN SEALS.

KITCHEN EQUIPMENT: WHERE FIXTURES OF THIS DESIGNATION ARE INDICATED AND PROVIDE THE FOLLOWING:

SUPPLY INLET: 1/2-INCH NPS COPPER SUPPLY.

SUPPLY STOP: BALL VALVE.

SUPPLY RISER: RIGID COPPER SUPPLY, SIZE AS DETERMINED BY EQUIPMENT INLET.

DRAIN: CONNECT TO EQUIPMENT DRAIN OUTLET AND ROUTE DRAIN PIPING TO DRAIN RECEPTOR. USE DWV COPPER PIPING AND FITTINGS. MAKE INDIRECT CONNECTION AT DRAIN RECEPTOR UNLESS NOTED OTHERWISE.

HANDICAP ACCESSIBLE FIXTURES: WHERE HANDICAP ACCESSIBLE FIXTURES ARE INDICATED ON THE FLOOR PLAN, INSTALL FIXTURES IN ACCORDANCE WITH THE ADA STANDARDS FOR ACCESSIBLE DESIGN.

INSTALLATION: PIPING SHALL RUN TRUE, STRAIGHT, PLUMB AND PARALLEL WITH WALLS; ARRANGED AS REQUIRED TO PERMIT FREE, UNRESTRAINED, NOISE-LESS EXPANSION AND CONTRACTION. UNLESS OTHERWISE NOTED, SOIL, WASTE, DRAIN AND VENT PIPING SHALL BE CONCEALED IN WALLS, PIPE CHASES, OR SHAFTS WITH CLEAN-OUTS EXTENDED TO ACCESSIBLE LOCATIONS. ALL PLUMBING FIXTURES SHALL BE PROPERLY VENTED TO PREVENT SIPHONING OF TRAPS.

ELECTRICAL:
VOLTAGE AND PHASE OF MECHANICAL EQUIPMENT REQUIRING POWER IS DESIGNATED UNDER THE ELECTRICAL DIVISION. MODEL NUMBERS LISTED IN MECHANICAL EQUIPMENT SCHEDULE SHALL NOT BE CONSTRUED TO INDICATE ELECTRICAL CHARACTERISTICS.

COORDINATE ALL ELECTRICAL SERVICE REQUIREMENTS FOR MECHANICAL EQUIPMENT PRIOR TO THE SUBMITTAL OF SHOP DRAWINGS. CONFIRM THE COMPATIBILITY OF ALL POWER SERVICES WITH THE EQUIPMENT BEING FURNISHED. CONFIRM COMPATIBILITY OF ELECTRICAL LUGS BEING PROVIDED BY THE EQUIPMENT MANUFACTURER WITH THE POWER WIRING BEING FURNISHED UNDER THE ELECTRICAL DIVISION. FURNISH WRITTEN DOCUMENTATION THAT ALL CHARACTERISTICS HAVE BEEN COORDINATED WITH AND CONFIRMED BY THE ELECTRICAL SUBCONTRACTOR.

PIPING IDENTIFICATION: PROVIDE PIPE IDENTIFICATION FOR PLUMBING PIPING.

DISINFECTION OF PLUMBING PIPING: SUBMIT STATEMENT FROM A TESTING LABORATORY THAT IS ACCEPTABLE TO LOCAL HEALTH DEPARTMENT THAT THE SPECIFIED DISINFECTION PROCEDURE HAS BEEN COMPLETED SATISFACTORILY.

OPERATING AND MAINTENANCE MANUALS: PROVIDE MANUAL CONTAINING OPERATING AND MAINTENANCE INSTRUCTIONS AS WELL AS WARRANTIES FOR PLUMBING EQUIPMENT SUCH AS WATER HEATERS, WATER COOLERS AND PUMPS.

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE	WASTE CONN. BRANCH	VENT	COLD WATER	HOT WATER	RIM HGT.	BASIS OF DESIGN FIXTURE
WC-1	WATER CLOSET	4" 4"	2"	1"	-	15"	AMERICAN STANDARD 2234 001, 5901100SS SEAT, ZURN ZEMS6000PL-HET-IS FL VALVE
WC-2	WATER CLOSET (A.D.A. ADULT)	4" 4"	2"	1"	-	18"	AMERICAN STANDARD 3043 001, 5901100SS SEAT, ZURN ZEMS6000PL-HET-IS FL VALVE
UR-1	URINAL	2" 2"	1-1/2"	1"	-	24"	AMERICAN STANDARD 6561.017 ZURN ZEMS6003AV-IS-EWS FL VALVE
UR-2	URINAL (A.D.A. ADULT)	2" 2"	1-1/2"	1"	-	17"	AMERICAN STANDARD 6561.017 ZURN ZEMS6003AV-IS-EWS FL VALVE
LAV-1	LAVATORY (WALL HUNG) (A.D.A. ADULT)	1-1/4" 2"	1-1/2"	1/2"	1/2"	APRON BOTTOM 29"	AMERICAN STANDARD 0355012, 7500 175 FAUCET, McGUIRE 155A GRID DRAIN (1) (2)
LAV-2	LAVATORY (UNDER MOUNT) (A.D.A. ADULT)	1-1/4" 2"	1-1/2"	1/2"	1/2"	DECK	AMERICAN STANDARD 0614000.200, AMERICAN STANDARD 7722801.002 FAUCET, McGUIRE 155WC GRID DRAIN (1)
LAV-3	LAVATORY (UNDER MOUNT)	1-1/4" 2"	1-1/2"	1/2"	1/2"	DECK	AMERICAN STANDARD 0614200.200, AMERICAN STANDARD 7722801.002 FAUCET, McGUIRE 155A GRID DRAIN
EWC	ELECTRIC WATER COOLER HI-LO A.D.A.	1-1/4" 2"	1-1/2"	1/2"	-	APRON BOTTOM 27"	ELKAY EZSTL8WSSK W/ BOTTLE FILLER
S-1	SINGLE SINK (A.D.A.)	1-1/2" 2"	1-1/2"	1/2"	1/2"	DECK	JUST-ADA-1821-1-A, 18 GA AMERICAN STANDARD 6540278.002 FAUCET, McGUIRE 151WC DRAIN (6)
S-2	UTILITY SINK	3" 3"	2"	1/2"	1/2"	-	ADVANCE TABCO T9-1-24-18R-X AMERICAN STANDARD 7298152 FAUCET (3) (8)
S-3	SINGLE SINK (A.D.A.)	1-1/2" 2"	1-1/2"	1/2"	1/2"	DECK	JUST US-ADA-1821-A,18GA AMERICAN STANDARD 7074300.002 FAUCET, McGUIRE 151WC DRAIN (6) (8)
S-4	SHAMPOO SINK	1-1/2" 2"	1-1/2"	1/2"	1/2"	DECK	MARBLE PRODUCTS 2100 W/ PEDESTAL (WHITE COLOR), INCL. MODEL 800 PULLOUT FAUCET & 1701 HAIR TRAP
SH-1	SHOWER (A.D.A.)	2" 2"	1-1/2"	1/2"	1/2"	-	SYMMONS 1-25-FSB-X (MIXING VALVE & HAND SHOWER) SMITH 2005-94 DRAIN
MPS	MOP SINK	3" 3"	2"	1/2"	1/2"	FAUCET @ 36"	FIAT MSB 2424, 832-AA, 889-CC, MSG2424, CHICAGO 897-RCF FAUCET
WMB	WASHING MACHINE BOX	2" 3"	2"	1/2"	1/2"	36" A.F.	OATEY 38630
MV	MIXING VALVE	- -	-	1"	1"	-	POWERS LFIS150 RECIRC SYSTEM W/ B&G NBF 8S/LW PUMP, RATED FOR SYSTEM FLOW OF 15 GPM AT 5 FT HD MINIMUM
CO-1	CLEANOUT	-	-	-	-	-	SMITH 4031
CO-2	CLEANOUT (PLUG TYPE)	-	-	-	-	-	SMITH 4292
FD-1	FLOOR DRAIN (GENERAL)	-	-	-	-	-	SMITH 2005L (4) (7)
FD-2	FLOOR DRAIN (MECH.)	-	-	-	-		SMITH 2005L-F37-CI (5) (7)
FS	FLOOR SINK	- -	-	-	-	- -	SMITH 3003 STAINLESS STEEL W/ 1/4 OPEN TOP GRATE (7)
WH	WALL HYDRANT	-	-	3/4"	-	-	WOODFORD 27

PLUMBING FIXTURE SCHEDULE KEYNOTES

1. PROVIDE "TRUEBRO LAV GUARD" PROTECTIVE PIPE COVERS ON WASTE AND SUPPLY PIPING.
2. PROVIDE SMITH 700 SERIES CARRIER WHEN MOUNTED ON STUD WALL.
3. PROVIDE DRUM TRAP. SEE DRUM TRAP DETAIL.
4. PROVIDE 7" STRAINER ON 3" DRAINS AND 9" STRAINER ON 4" DRAINS. PROVIDE ROUND TOP FOR ALL FLOOR DRAINS.
5. RIM FLUSH WITH FINISHED FLOOR.
6. PROVIDE 6" BOWL DEPTH AND CENTER REAR DRAIN PUNCH.
7. PROVIDE DRAIN TRAP SEAL DEVICE EQUAL TO MIFAB MI-GARD.
8. PROVIDE STRIEM SIDEKICK-TP SOLIDS INTERCEPTOR.

PLUMBING LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	WASTE OR SANITARY SEWER		COLD WATER
	VENT		HOT WATER
VTR	VENT THRU ROOF		HOT WATER CIRCULATING
	SHUTOFF VALVE	G	GAS
	SHUTOFF VALVE IN RISER	PDI'X'	WATER HAMMER ARRESTOR
	CLEANOUT PLUG	WCO	WALL CLEANOUT

DOMESTIC HOT WATER RETURN PUMP SCHEDULE

ITEM	SERVICE	FLOW RATE (GPM)	HEAD (FT)	HP	BASIS OF DESIGN MODEL NO.
RP-1	CIRCULATING HOT WATER RETURN	2	13	1/12	B&G NBF-22B (1)(2)
RP-2	CIRCULATING HOT WATER RETURN	-	-	-	INTERGRAL TO MIXING VALVE

SCHEDULE NOTES:
(1) PROVIDE AQUASTAT EQUAL TO HONEYWELL L4006 SERIES & TIME CLOCK EQUAL TO INTERMATIC ET1125C SERIES.
(2) INCLUDE B&G CHECK-TROL ISOLATION VALVE WITH INTEGRAL CHECK VALVE AT PUMP DISCHARGE.

DOMESTIC WATER HEATER SCHEDULE

ITEM	SOURCE	INPUT	RECOVERY (GPH @ 100F RISE)	STORAGE (GALLONS)	INLET/OUTLET (INCHES)	BASIS OF DESIGN MODEL NO.
DWH-1	NATURAL GAS	199MBH	235	100	1-1/4	A.O. SMITH BTH-199 MXI (1)

SCHEDULE NOTES:
(1) PROVIDE EXPANSION TANK EQUAL TO AMTROL ST-12 WITH 4.4 GAL ACCEPTANCE.

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1/4 1/2 3/4 1" REFERENCE SCALE

PLOT DATE: 02/16/22
FILE NAME: 21011 MECH
PLOT SCALE: 1 = 96
RWW

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PROJECT TITLE:
JUD C HICKEY CENTER

REVISIONS

REV #	DATE	APRVD BY	REVISION
	11/17/21	JMF	65% SET
	2/16/22	JMF	ISSUE FOR PERMIT
	3/3/22	JMF	ADDENDUM
1	9/9/22	JMF	OWNER REVISIONS

DA PROJECT NUMBER & NAME: 1893

DRAWING TITLE:
PLUMBING SCHEDULE AND SPECIFICATIONS

DRAWING NO:
P201