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PLUMBING FIXTURES

	DESCRIPTION	MANUFACTURER & MODEL #	FITTING & CAPACITY	ACCESSORIES & REMARKS	NOTES	CW	HW	WASTE	VENT
SK-1	STAINLESS STEEL LARGE BASIN SINK	JUST SL-2219-A-GR, 7 1/2" DEEP	MOEN #7425 -	DRAIN - JUST, #JB-99 -	-	1/2"	1/2"	2"	1.5"
IH	INSTA HOT TANKLESS WATER HEATER	CHRONOMITE LABORATORIES #SR-20L	0.5 GPM., 2400W 120V, 20.0 AMPS	FACTORY PRESET TO 110°F -	-	-	-	-	-
GD-1	GARBAGE DISPOSAL -	INSINKERATOR BADGER #1	120V, 60 HZ, 1/3 HP 1 PH, 6.7 AMPS	- -	-	-	-	-	-
NOTES: 1. PROVIDE MIXING VALVE FOR PUBLIC-USE LAVATORY TO LIMIT HOT WATER TO A MAXIMUM OF 110°F. USE MIXING VALVE SYMMONS #4-10B OR EQUAL. INSTALL PER MANUFACTURERS INSTALLATION SPECIFICATIONS.									

PLUMBING LEGEND

- NEW WASTE LINE
- EXISTING WASTE LINE
- COLD WATER
- HOT WATER
- PVC CONDENSATE DRAIN LINE
- FLOOR CLEAN OUT
- 2-WAY CLEAN OUT
- GAS LINE
- SHUT OFF VALVE
- WATER DOWN IN WALL FROM ABOVE
- WASTE VENT IN WALL
- REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER
- INSTANTANEOUS WATER HEATER
SEE DETAIL P9, SHEET D-2
- WATER HEATER
SEE DETAIL P7, SHEET D-2
- WATER HEATER ABOVE THE CEILING
SEE DETAIL P7, SHEET D-2
- PLUMBING FIXTURE TYPE.
REFER TO PLUMBING FIXTURE SCHEDULE FOR FIXTURE TYPE

SK-1

FIXTURE UNIT COUNT

FIXTURE	QUAN.	F.U. EACH		F.U. TOTAL	
		WATER	WASTE	WATER	WASTE
DISH WASHER	0	1.4	2	0	0
DRINKING FOUNTAIN	0	0.25	0.5	0	-
EVAPORATIVE COOLER	0	2	-	0	-
HOSE BIBB	0	5	-	0	-
LAVATORY	0	2	1	0	0
TRAP PRIMERS	0	2	-	0	-
MOP SINK	0	3	2	0	0
SERVICE SINK	0	3	2	0	0
SHOWER	0	4	2	0	0
SINK	1	4	2	4	2
URINAL	0	3	4	0	0
WATER CLOSET (FLUSH TANK)	0	5	6	0	0
FLOOR SINK	0	-	3	-	0
FLOOR DRAIN	0	-	2	-	0
CLOTHES WASHER (PRIVATE)	0	4	2	0	0
TOTAL UNITS				4	2

PLUMBING SPECIFICATIONS

- 1.1 ALL WATER FIXTURES SHALL HAVE HOT AND/OR COLD SHUT OFF VALVES.
- 2.1 INSULATE ALL HOT WATER SUPPLY AND RETURN PIPING.
- 3.1 PLUMBING FIXTURES SHALL HAVE THE FOLLOWING MAXIMUM FLOW RATES.

a. WATER CLOSETS: 1.6 GALLONS PER FLUSHING CYCLE

b. LAVATORIES: 0.5 GALLONS PER MINUTE AT 60 PSI

c. SINKS: 2.2 GALLONS PER MINUTE AT 60 PSI

d. URINALS: 1.0 GALLON PER FLUSHING CYCLE

e. SHOWER HEAD: 2.5 GALLONS PER MINUTE AT 80 PSI
- 4.1 SLOPE ALL SEWER LINES AS FOLLOWS:

a. 4" AND LARGER: 1%

b. 3" AND SMALLER: 2%
- 5.1 EACH CLEAN OUT SHALL BE READILY ACCESSIBLE AND LOCATED AS TO SERVE ITS PURPOSE.
- 6.1 ALL SURFACE CLEAN OUTS SHALL EXTEND TO FINISH GRADE.
- 7.1 ALL FLOOR DRAINS / FLOOR SINKS SHALL HAVE TRAP PRIMERS.
- 8.1 VENTS MUST TERMINATE 10 HORIZONTALLY FROM OR 3 FEET ABOVE AIR INTAKES, WINDOWS AND VENT SHAFTS
- 9.1 PIPING REQUIREMENTS:

a. POTABLE WATER: TYPE L HARD DRAWN COPPER FOR ALL ABOVE SLAB USES. TYPE K SOFT DRAWN COPPER FOR ALL IN-SLAB AND UNDERGROUND USES. NO JOINTS OR FITTINGS ARE PERMITTED IN-SLAB OR UNDERGROUND.

b. WASTE AND VENT: CAST IRON ABOVE GROUND AND ABS BELOW SLAB IN TYPE III-A, 1 HOUR OR TYPE V-A, 1 HOUR CONSTRUCTION. SEE "PROJECT INFORMATION" ON SHEET A-1 FOR CONSTRUCTION TYPE.

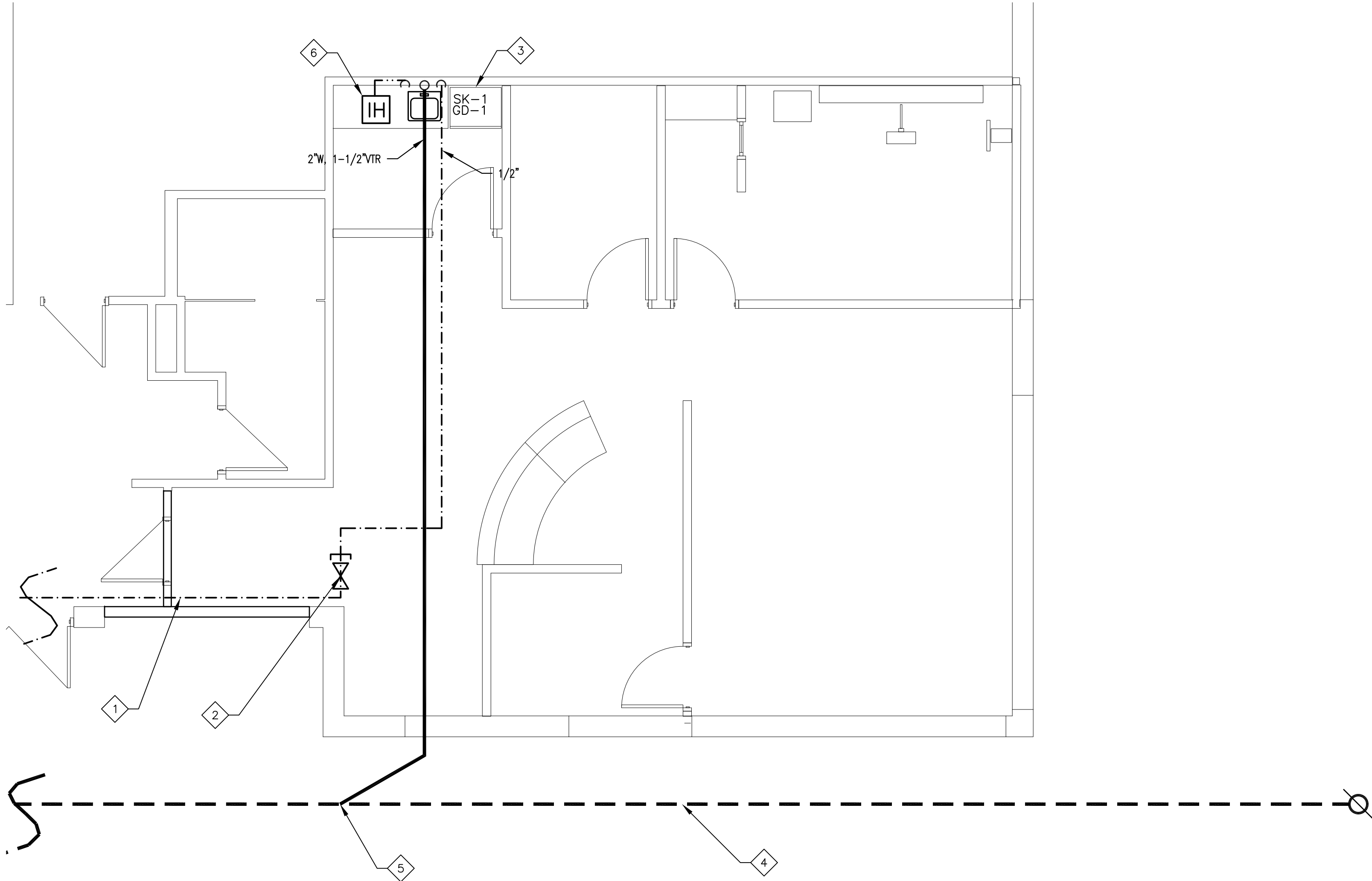
c. WASTE AND VENT: ABS IN TYPE III-B OR TYPE V-B CONSTRUCTION. SEE "PROJECT INFORMATION" ON SHEET A-1 FOR CONSTRUCTION TYPE.
- 10.1 ALL ROUGH-IN LOCATIONS SHOWN ARE APPROXIMATE. FINAL AND ACCURATE LOCATION IS THE RESPONSIBILITY OF THE CONTRACTOR. COORDINATE WITH ALL ACCESSIBILITY ISSUES.
- 11.1 CONTRACTOR IS RESPONSIBLE FOR ALL ROUGH-IN AND FINAL CONNECTION OF ALL PLUMBING FIXTURES UNLESS NOTED OTHERWISE ON THE PLANS.
- 12.1 INSTALL ALL FAUCETS, DRAINS AND SIMILAR ITEMS FURNISHED BY THE EQUIPMENT SUPPLIERS REQUIRED FOR ALL EQUIPMENT TO FUNCTION PROPERLY.

PLUMBING KEYNOTES

1. EXISTING 2" COLD WATER LINE SERVICE TO BUILDING IN TRUSS SPACE FROM ADJACENT TENANT (VERIFY EXACT LOCATION).
2. EXISTING 1-1/4" SHUT OFF VALVE ABOVE CEILING (VERIFY LOCATION). WATER SHUTOFF VALVE FOR EACH SUITE IS TO BE LOCATED ABOVE AN INTERIOR HALLWAY. A SMALL SIGN IS TO BE ATTACHED TO THE CEILING GRID DIRECTLY BELOW THE NEW SHUT-OFF VALVE INDICATING WHERE THE VALVE IS LOCATED.
3. PROVIDE 1/4" LINE AND SHUT OFF VALVE TO REFRIGERATOR OFF OF 1/2" LINE TO SINK.
4. EXISTING 4"Ø SEWER. VERIFY EXACT LOCATION PRIOR TO SAWCUTTING.
5. TIE INTO EXISTING SEWER LINE.
6. PROVIDE INSTA-HOT UNDER SINK AT BREAK ROOM.

GENERAL NOTES

- A. WASTE AND VENT PIPE SIZES, SEE PLUMBING PLAN, THIS SHEET.
- B. SEE PLUMBING SPECIFICATIONS THIS SHEET FOR IMPORTANT INFORMATION RELATING TO BUILDING CODES, CITY ORDINANCES, MATERIALS AND METHODS.



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PLUMBING PLAN

1/4" = 1'-0"



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REV	DATE	DESCRIPTION
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14-022

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SHEET TITLE:
PLUMBING
PLAN, SPECS,
&DETAILS

SHEET NUMBER:
P-201