






## PLUMBING LEGEND

— 4" S —	EXISTING SANITARY PIPING
--- 1" V ---	EXISTING VENT PIPING
-----	EXISTING CW PIPING
-----	EXISTING HW PIPING
.....	EXISTING PIPING/EQUIPMENT TO BE REMOVED OR DEMOLISHED
— 4" S —	SANITARY PIPING
-----	VENT PIPING
-----	CW PIPING
-----	HW PIPING
-----	HWR PIPING
— 3" CD —	CONDENSATE PIPING
-----	CAP
-----	ELBOW TURNED UP
-----	ELBOW TURNED DOWN
-----	TEE, OUTLET UP
-----	TEE, OUTLET DOWN
-----	BALL VALVE
	PRESSURE REGULATOR
	FIRE ALARM SHUT-OFF VALVE
	SWING CHECK VALVE
	CONNECTION, NEW TO EXISTING
	LIMIT OF DEMOLITION

## ABBREVIATIONS

AC	ABOVE CEILING
AF	ABOVE FLOOR
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AS	ABOVE SLAB
BFF	BELOW FINISHED FLOOR
BS	BELOW SLAB
CO	CLEANOUT
CW	COLD WATER
CWS	COLD WATER SERVICE
DN	DOWN
EXIST	EXISTING
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
HD	HUB DRAIN
HW	HOT WATER
INV EL	INVERT ELEVATION
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
N/A	NOT APPLICABLE
PDI	PLUMBING DRAINAGE INSTITUTE
PH	PHASE
S	SOIL
SAN	SANITARY
SK	SINK
TP	TRAP PRIMER
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
V	VENT
W	WASTE
WCO	WALL CLEANOUT

## PLUMBING NOTES

### GENERAL CONDITIONS

- SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS REQUIRED TO COMPLETE ALL WORK SHOWN ON THE CONTRACT DRAWINGS.
- ALL CONSTRUCTION SHALL CONFORM TO APPLICABLE CODE STANDARDS INCLUDING:
  - FLORIDA BUILDING CODE, BUILDING, 8TH EDITION (2023)
  - FLORIDA BUILDING CODE, PLUMBING, 8TH EDITION (2023)
  - FLORIDA BUILDING CODE, MECHANICAL, 8TH EDITION (2023)
  - FLORIDA FIRE PREVENTION CODE, 8TH EDITION (2023)
  - FLORIDA BUILDING CODE, ENERGY CONSERVATION CODE, 8TH EDITION (2023)
  - NFPA 70, NATIONAL ELECTRIC CODE (NEC) 2020 EDITION
  - STATE AND LOCAL CODES AND ORDINANCES
- THE BIDDERS SHALL INSPECT THE PRESENT JOB SITE CONDITIONS BEFORE PREPARING A BID. THE SUBMISSION OF A BID WILL BE CONSIDERED EVIDENCE THAT SUCH A VISIT AND INSPECTION WAS PERFORMED BY THE BIDDER AND THAT HE TAKES FULL RESPONSIBILITY FOR ALL FACTORS GOVERNING HIS WORK.
- THE CONTRACTOR IS EXPECTED TO PROVIDE PROFESSIONAL WORK PERFORMED IN ACCORDANCE WITH INDUSTRY STANDARDS AND GOOD PRACTICE. WORK SHALL CONFORM TO THE MANUFACTURER'S INSTRUCTIONS AND THE REQUIREMENTS OF THE LOCAL HEALTH DEPARTMENT.
- THE CONTRACTORS ARE EXPECTED TO FIELD VERIFY ALL DIMENSIONS. CONTRACTORS ARE EXPECTED TO ACCOUNT FOR FIELD CONDITIONS. CONTRACTORS ARE EXPECTED TO COORDINATE IN ORDER TO AVOID INTERFERENCE BETWEEN TRADES. CONTRACTORS ARE EXPECTED TO INSTALL EQUIPMENT SUCH THAT PROPER MAINTENANCE CLEARANCES ARE MAINTAINED FOR EQUIPMENT OF ALL TRADES. IF CHANGES TO THE CONTRACT DOCUMENTS ARE NECESSARY TO AVOID CONFLICTS, THE CONTRACTOR IS RESPONSIBLE FOR REQUESTING CLARIFICATION IN A TIMELY FASHION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEFICIENCIES ASSOCIATED WITH WORK PERFORMED BEFORE OBTAINING CLARIFICATION.
- UPON COMPLETION OF THE WORK THE CONTRACTOR SHALL CLEAN SPACES THAT WERE OCCUPIED BY TEMPORARY WORK AND TEMPORARY FACILITIES. REMOVE DEBRIS, RUBBISH AND EXCESS MATERIALS FROM THE SITES. REPAIR DAMAGES CAUSED BY INSTALLATION OR USE OF TEMPORARY FACILITIES.

### GENERAL PLUMBING NOTES

- ADD. ALT. 1: ALL PLUMBING WORK SHOWN ON THESE SHEETS ARE PART OF ADDITIVE ALTERNATE 1. SEE SHEET G100
- PLUMBING PLANS ARE SCHEMATIC. LOCATE PIPING TO AVOID FIELD INTERFERENCES. CHANGES IN THE PIPING SCHEMATIC REQUIRE PRIOR APPROVAL OF THE ENGINEER.
- TRANSITION CONNECTION BETWEEN SITE PIPING AND BUILDING PLUMBING SHALL OCCUR IN AN ACCESSIBLE GREEN SPACE.
- THE CONTRACTOR IS EXPECTED TO VERIFY DIMENSIONS AND FIELD FABRICATE PIPING AS NECESSARY TO ACCOMMODATE CONDITIONS.
- PRIOR TO ANY NEW WORK THE CONTRACTOR SHALL VERIFY BY ALL MEANS AVAILABLE THE DIRECTION OF FLOW OF ALL EXISTING PIPING THAT WILL BE TIED INTO FOR THE NEW WORK. REPORT TO THE ENGINEER ANY DIFFERENCES FROM WHAT THE CONTRACT DOCUMENTS SHOW.

### MATERIALS AND DEVICES

- ALL MATERIALS, EQUIPMENT AND APPARATUS COVERED BY THIS SPECIFICATION SHALL BE NEW, OF CURRENT MANUFACTURE.
  - SEE PROJECT SPECIFICATIONS FOR MATERIALS.
  - CONNECTION JOINTS BETWEEN PLASTIC AND METALLIC PIPE SHALL BE MADE WITH TRANSITION FITTING FOR THE SPECIFIC PURPOSE.
  - CONNECTIONS TO WATER HEATERS AND BETWEEN FERROUS AND NONFERROUS METALLIC PIPE SHALL BE MADE WITH DIELECTRIC FITTINGS.
- PIPING NOTES**
- INSTALL GRAVITY LINES AT UNIFORM GRADES.
  - INSTALL SLEEVES AT ALL PENETRATIONS WHERE CONCRETE MIGHT CONTACT COPPER PIPING. PROVIDE SLEEVES AND SEAL ALL PENETRATIONS OF FULL HEIGHT WALLS AIR TIGHT. PROVIDE SLEEVES AT ALL PENETRATIONS OF FLOOR. PROVIDE POLY PIPE COVER OR INSULATION WHERE COPPER PIPING IS ENCASED WITHIN CMU WALLS.
  - LOCATE ALL VALVES AND OTHER DEVICES WHICH REQUIRE MAINTENANCE IN ACCESSIBLE LOCATIONS. PROVIDE ACCESS PANELS IF NECESSARY.
  - PIPING INSTALLATIONS ARE EXPECTED TO BE RIGID. SUPPORT AND SECURE PIPING IN ACCORDANCE WITH GOOD PRACTICE.
  - SEE SPECIFICATIONS FOR HOT WATER PIPING INSULATION REQUIREMENTS. PROFESSIONAL INSTALLATION IS EXPECTED.
  - LABEL ALL HOT, TEMPERED & COLD DOMESTIC WATER SUPPLY & RETURN PIPING AT EACH VALVE LOCATION & NO LESS THAN 20' O.C.
  - HOT WATER PIPE INSULATION SHALL BE RIGID GLASS FIBER INSULATION WITH A NOMINAL DENSITY OF 3 POUNDS PER CUBIC FOOT WITH A THERMAL CONDUCTIVITY BETWEEN 0.21 AND 0.28 AT 100 DEG F MEAN TEMPERATURE. INSULATION COVER SHALL BE AN ALL SERVICE JACKET WITH DOUBLE SELF-SEALING LAPS. WITH SELF-SEALING BUTT STRIPS. INSULATION THICKNESS SHALL BE ONE INCH (1") THICK FOR PIPE SIZES 3/4" TO 1-1/2", AND (1-1/2") THICK FOR PIPE SIZES 1-1/2" TO 4" PER FBC-PLUMBING 607.5 AND FBC-ENERGY CONSERVATION TABLE C403.2.10.

### FIXTURES AND TRIM:

- EQUIPMENT SHALL BE UNDAMAGED AND CLEANED.
- ALL EXPOSED SINK AND LAVATORY DRAIN PIPING SHALL BE CHROME PLATED BRASS NO LESS THAN 17 GAUGE. TRAPS SHALL BE 17 GAUGE FULLY CAST BRASS WITH CLEANOUT PLUGS.
- ESCUTCHEONS SHALL BE CHROME PLATED CAST BRASS WITH SET SCREW.

### CLOSEOUT, TESTING AND INSPECTIONS

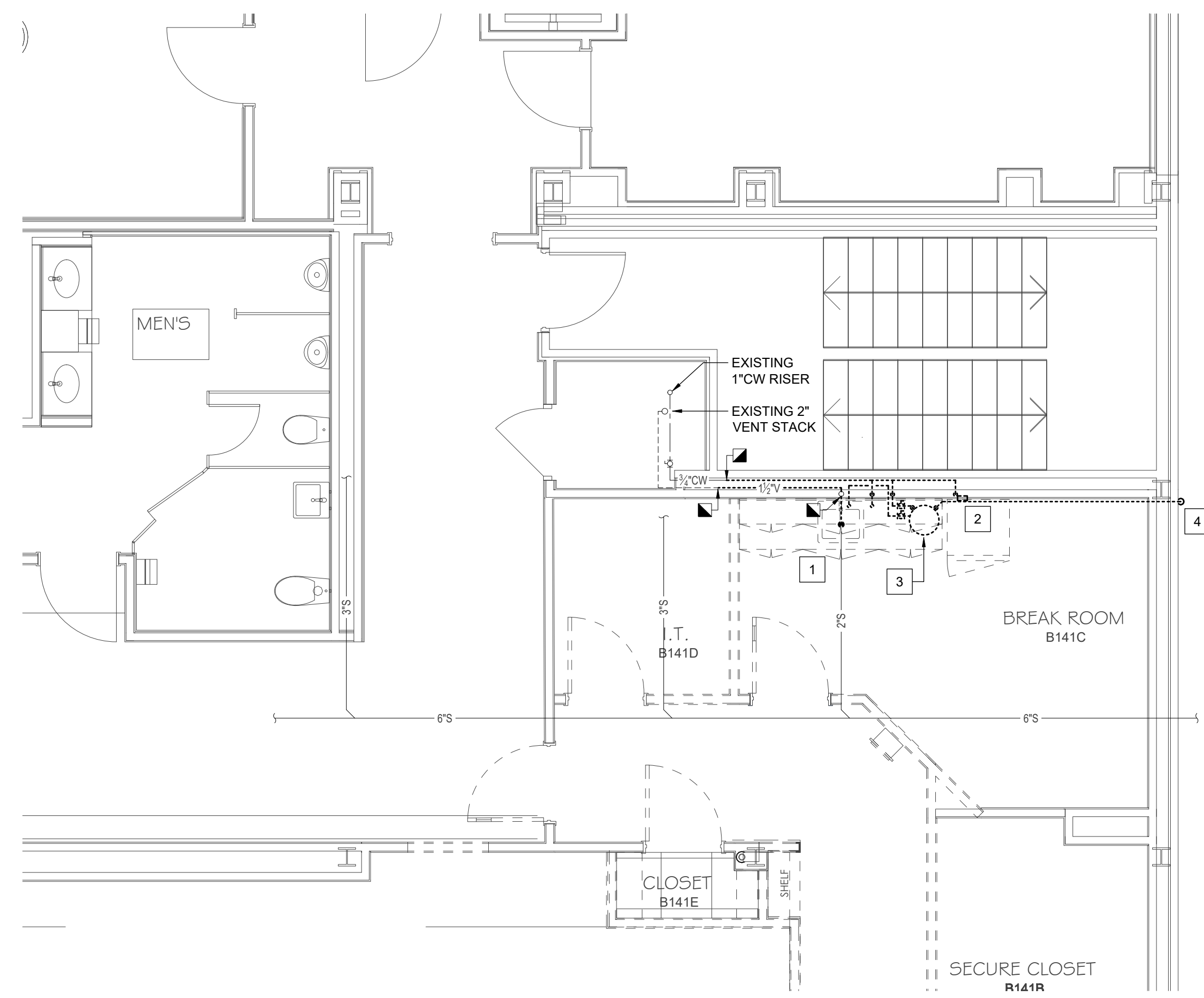
- COORDINATE INSPECTIONS WITH THE SPECIFICATIONS.
- ALL DOMESTIC WATER PIPING SHALL BE STERILIZED IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE FBC, PLUMBING CODE.
- ALL WATER SUPPLY PIPING SHALL BE LEAK TESTED IN ACCORDANCE WITH THE FBC, PLUMBING CODE BUT NOT LESS THAN 100 PSI.
- ALL WASTE AND VENT PIPING SHALL BE LEAK TESTED IN ACCORDANCE WITH THE FBC, PLUMBING CODE BUT NOT LESS THAN 10' OF HEAD.
- CONTRACTOR SHALL CAMERA SEWER LINES AND PROVIDE SMOKE TEST OF THE ENTIRE WASTE AND VENT SYSTEM.
- NO PIPING SHALL BE COVERED OR CLOSED UP BEFORE INSPECTION AND APPROVAL. PROVIDE TEST TEES AT CONNECTION TO EXISTING AT EACH FLOOR & AS NEEDED FOR COMPLETE TESTING.

## PLUMBING FIXTURE SCHEDULE (BASIS OF DESIGN)

TYPE	DESCRIPTION	TRIM & ACCESSORIES	FIXTURE CONNECTIONS			
			CW	HW	WASTE	VENT
SK-1	SINGLE BOWL, 18 GA. TYPE 304 STAINLESS STEEL SINK. 22"x19 1/2"x6 1/2" DEEP. 3-HOLE INSTALLATION, 4" CENTERS. ADA COMPLIANT.	ELKAY LRADQ221965	1/2"	1/2"	2"	1 1/2"
IMB-1	RECESSED ICE MAKER HOOK-UP BOX	GUY GRAY BIM 875	1/2"			
BFP-1	DUAL CHECK BACKFLOW PREVENTER	WATTS SD-3 SERIES	SIZE PER MANUFACTURER'S REQUIREMENTS			

## TANKLESS ELECTRIC WATER HEATER SCHEDULE

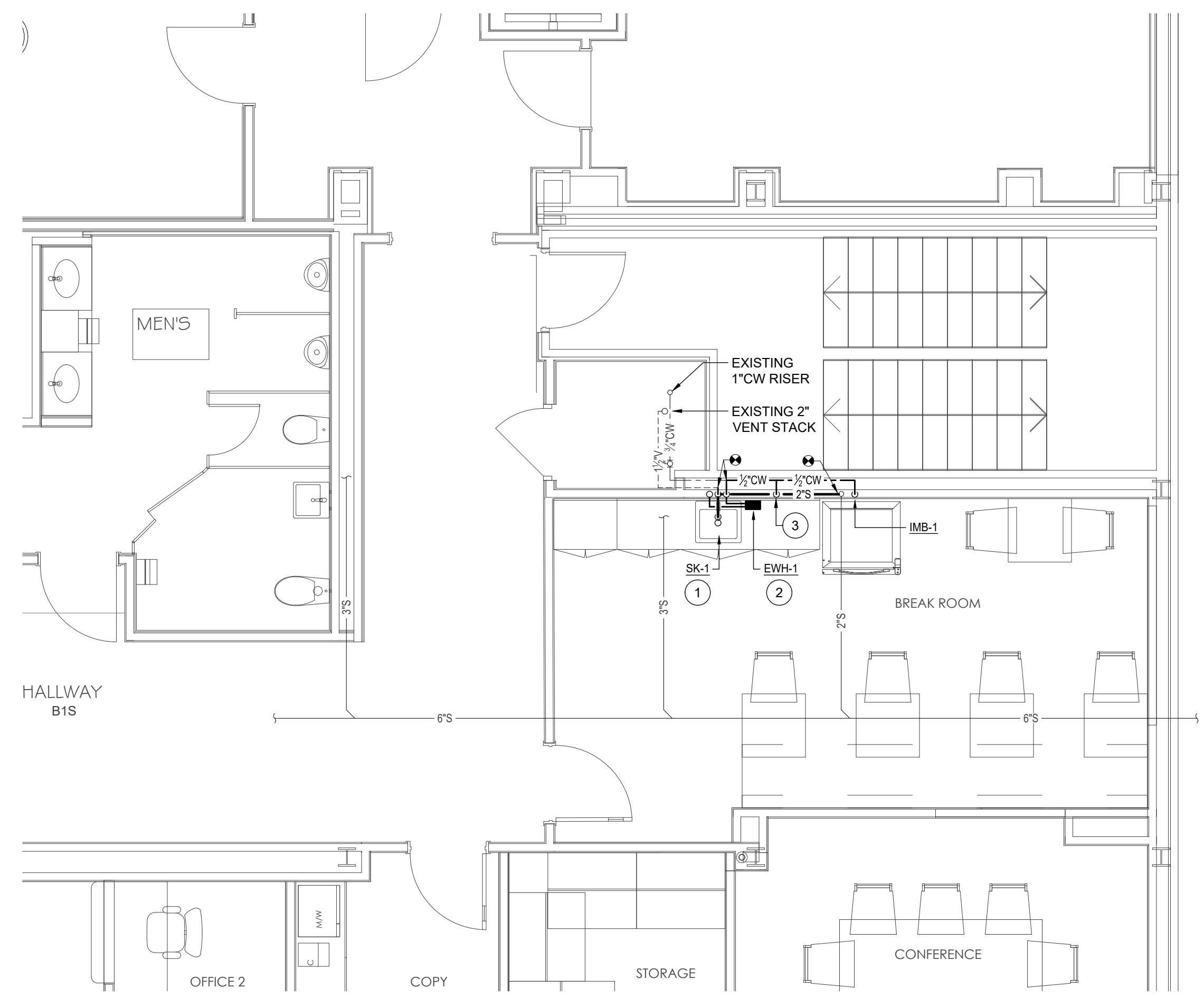
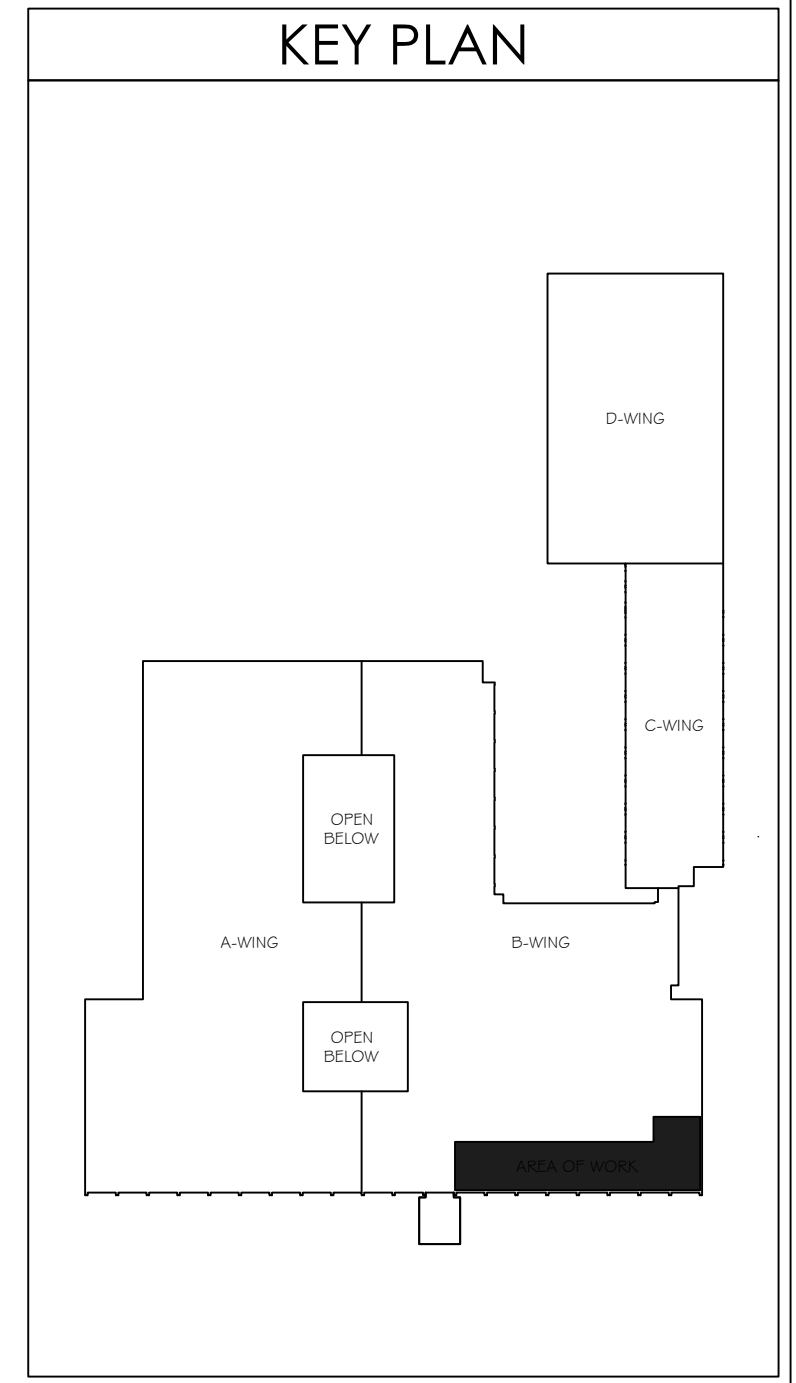
TYPE	MANUFACTURE R/ MODEL NO.	TEMP. RISE @ GPM	MAXIMUM FLOW (GPM)	ACTIVATION GPM	KW	VOLTS/PH	AMPS	RECOMMENDED WIRE SIZE	NOTES
EWH-1	EEMAX SPEX4208T	56° @ 0.5	2.0	0.2	4.1	208 / 1	20.0	14 AWG	TANKLESS WATER HEATER TO BE MOUNTED VERTICALLY ON WALL UNDER COUNTER TOP WITH THE WATER CONNECTIONS ON THE BOTTOM. SET OUTLET TEMPERATURE IS 110°.



1 DEMOLITION PLUMBING PLAN  
P100 SCALE: 1/4" = 1'-0"

- PLAN KEYNOTES - PLUMBING DEMOLITION**
- 1 REMOVE EXISTING SINK AND ASSOCIATED APPURTENANCES. CAP SANITARY LINE BELOW FLOOR. REMOVE AND CAP EXISTING DOMESTIC WATER LINES AND VENT LINE BACK TO ASSOCIATED MAINS AND CAP UNLESS OTHERWISE NOTED.
  - 2 REMOVE EXISTING ICE MAKER BOX AND ASSOCIATED APPURTENANCES. REMOVE EXISTING SANITARY, VENT, AND COLD WATER LINES BACK TO ASSOCIATED MAINS AND CAP.
  - 3 REMOVE EXISTING CABINET MOUNTED ELECTRIC HOT WATER HEATER, ASSOCIATED APPURTENANCES, WATER CONNECTIONS, AND T&P DRAIN CONNECTION.
  - 4 REMOVE EXISTING T&P RELIEF DRAIN. REPAIR EXTERIOR WALL BACK TO ORIGINAL CONDITION.

- DEMOLITION GENERAL NOTES**
1. ALL NEW PLUMBING FIXTURES SHALL BE INSTALLED AND ADJUSTED TO MEET ADA REQUIRED CLEARANCES AND STANDARDS.
  2. RETURN EXISTING FIXTURES AND EQUIPMENT TO THE OWNER.
  3. REPAIR WALLS AND FLOOR SLABS DAMAGED DURING WORK ACTIVITY BACK TO PREVIOUS CONDITION.
  4. DEMOLITION IS NOT LIMITED TO WHAT IS SHOWN ON THESE DRAWINGS. THE INTENT IS TO INDICATE THE GENERAL SCOPE OF DEMOLITION REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONTRACT DRAWINGS.



2 NEW WORK PLUMBING PLAN  
P100 SCALE: 1/4" = 1'-0"

- PLAN KEYNOTES - ENLARGED PLUMBING PLANS**
- 1 REPLACE EXISTING BREAK ROOM SINK WITH NEW.
  - 2 TANKLESS ELECTRIC WATER HEATER MOUNTED BELOW COUNTER TOP.
  - 3 PROVIDE A MINIMUM OF 1/2" NOMINAL ID COPPER WATER TUBING ICEMAKER WATER SUPPLY LINE. SHUT-OFF VALVE AND DRAIN VALVE TO BE INSTALLED ON ICE MAKER WATER SUPPLY LINE. PROVIDE DUAL CHECK BACKFLOW PREVENTER BFP-1. PROVIDE INLINE WATER FILTER, PENTAIR EVERPURE INSURICE SINGLE PF-120002 OR APPROVED EQUAL. ICE MAKER TO BE CONTRACTOR FURNISHED AND INSTALLED. SEE ARCHITECTURAL DRAWINGS FOR SPECIFICATION.

- PLUMBING GENERAL NOTES**
1. ALL NEW PLUMBING FIXTURES SHALL BE INSTALLED AND ADJUSTED TO MEET ADA REQUIRED CLEARANCES AND STANDARDS.
  2. RETURN EXISTING FIXTURES AND EQUIPMENT TO THE OWNER.
  3. REPAIR WALLS AND FLOOR SLABS DAMAGED DURING WORK ACTIVITY BACK TO PREVIOUS CONDITION.
  4. ADD. ALT. 1: INSTALL NEW BREAK ROOM MILLWORK, BREAK ROOM SINK, AND WATER HEATER. APPLIANCES INSTALLED BY CONTRACTOR, SUPPLIED BY OWNER.

**CONSTRUCTION DOCUMENTS**

PROJ. NO.	174024
DATE	3/13/2025
DRAWN	JP
CHECKED	JB
APPROVED	JB
REVISION	
REVISION DATE	