

FIRE PROTECTION GENERAL NOTES

1. THE FIRE SPRINKLER SYSTEM SHALL BE DESIGNED AND INSTALLED BY A STATE LICENSED FIRE SPRINKLER CONTRACTOR (HEREINAFTER CONTRACTOR) IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 13 (PREVAILING EDITION) AND ALL AUTHORITIES HAVING JURISDICTION. THE SPRINKLER SYSTEM MUST ALSO BE APPROVED BY THE OWNER'S FIRE INSURANCE UNDERWRITER.
2. SHOP DRAWINGS AND CALCULATIONS SHALL BE SUBMITTED BY THE CONTRACTOR FOR APPROVAL BY THE OWNER'S FIRE INSURANCE UNDERWRITER AND FIRE MARSHAL. THEY SHALL ALSO BE SUBMITTED FOR REVIEW BY THE ARCHITECT AND ENGINEER OF RECORD.
3. THE CONTRACTOR SHALL PERFORM ALL WORK IN A WORKMANLIKE MANNER. UPON COMPLETION OF WORK THE CONTRACTOR SHALL TEST, THEN CONNECT TO THE MAIN SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING THE SYSTEM TO FULL OPERATION.
4. THE SPRINKLER SYSTEM SHALL CONTAIN NO VALVES DOWNSTREAM OF THE CONTROL STATION.
5. CONTRACTOR SHALL DESIGN THE SPRINKLER SYSTEM AS REQUIRED TO ACCOMMODATE ALL FIXTURES, PARTITIONS, SOFFITS, FURR DOWNS, CEILING HEIGHTS, ETC.
6. THE FINAL SPRINKLER SYSTEM SHALL PROVIDE COMPLETE AUTOMATIC PROTECTION AND COVERAGE IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 13 (PREVAILING EDITION) AND ALL AUTHORITIES HAVING JURISDICTION.
7. AS PART OF THE SCOPE OF WORK THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SPRINKLER HEADS, PIPE, FITTINGS, HANGERS, AND APPURTENANCES (INCLUDING, BUT NOT NECESSARILY LIMITED TO: VALVE SUPERVISORY SWITCHES, FLOW SWITCHES, AND FULL COORDINATION WITH THE OWNER'S FIRE ALARM SYSTEM).
8. THE CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT AND ARCHITECT'S FINISHED CEILING PLANS FOR THE LOCATIONS OF SPRINKLER HEADS PRIOR TO INSTALLATION.
9. REFER TO THE OWNER'S CRITERIA/CONSTRUCTION REQUIREMENTS AS REQUIRED FOR ADDITIONAL INFORMATION.

PLUMBING FIXTURES GENERAL NOTES

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS AND DIMENSIONS OF FINISHED FLOORS AND WALLS. TRUE ALL DRAINS, ROUGH-INS AND CARRIERS IN ACCORDANCE WITH PROPOSED ELEVATIONS AND FINISHED SURFACES.
2. MOUNTING HEIGHT ELEVATION OF ALL WALL HUNG OR COUNTER MOUNTED FIXTURES SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION OF ROUGH-IN WORK.
3. FOR ALL FIXTURES AND EQUIPMENT WITH ASSOCIATED TRIM OR COMPONENT ACCESSORIES PROVIDED UNDER SEPARATE DIVISIONS AND REQUIRING PLUMBING CONNECTIONS, THIS CONTRACTOR SHALL FIELD COORDINATE EXACT REQUIREMENTS OF, MAKE PROVISIONS FOR, AND SUPPLY ALL MATERIALS AND LABOR FOR MAKING FINAL CONNECTIONS.
4. CONTRACTOR SHALL REFER TO SHOP DRAWINGS OF EQUIPMENT TO BE SUPPLIED FOR FINAL COORDINATION OF ALL ROUGH-IN OPENINGS BEFORE BEGINNING WORK.
5. ALL FIXTURE AND EQUIPMENT STUB-OUTS SHALL BE PROVIDED WITH A STOP VALVE. ALL FIXTURE STOPS SHALL BE SOLID BRASS, LOOSE KEY OPERATED, CHROME PLATED (WHERE EXPOSED), AND FITTED TIGHT TO CHROME PLATED BRASS WALL ESCUTCHEON PLATES.
6. ALL ROUGH IN OPENINGS SHALL BE FITTED WITH CHROME PLATED, HEAVY GAGE BRASS ESCUTCHEON PLATES FITTED TIGHT TO THE PIPE.
7. ALL EXPOSED BRASS SHALL BE CHROME PLATED.
8. PROVIDE TRAP PRIMERS AT ALL INFREQUENTLY USED DRAINS.
9. ALL HANDICAPPED ACCESSIBLE FIXTURES SHALL BE PROVIDED OF APPROVED TYPES AND WITH REQUIRED CONTROLS AND INSTALLED TO HEIGHTS AND CLEARANCES, AS PRESCRIBED BY AMERICAN WITH DISABILITIES ACT (ADA). FIXTURES SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL ADA CODE REQUIREMENTS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONED ADA MOUNTING HEIGHTS AND SPECIFIED CLEARANCES.

PLUMBING GENERAL NOTES

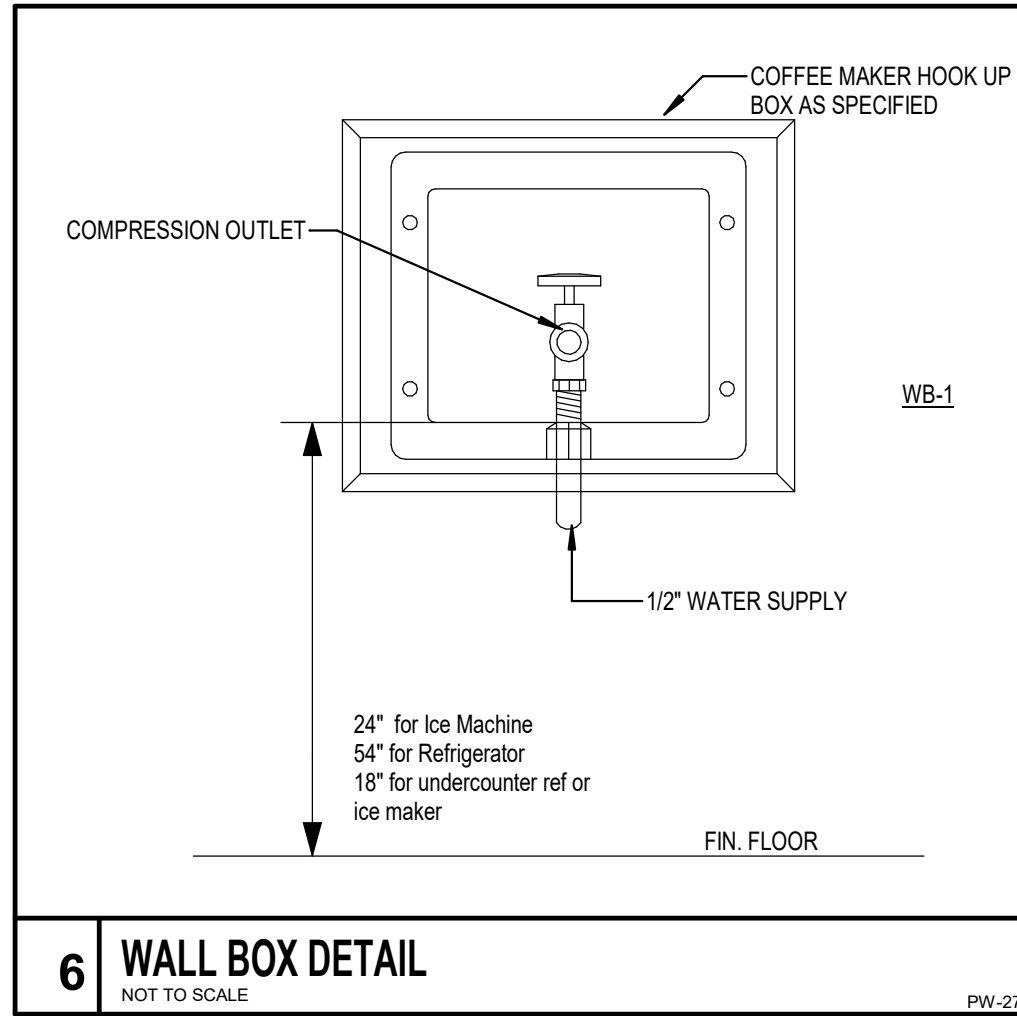
1. CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL CODES AND AUTHORITIES HAVING JURISDICTION AND SHALL MAKE ALL FINAL CONNECTIONS TO FIXTURES AND EQUIPMENT.
2. DO NOT SCALE PLUMBING DRAWINGS. REFER TO DIMENSIONED ARCHITECTURAL OR EQUIPMENT DRAWINGS FOR EXACT LOCATIONS OF FIXTURES OR EQUIPMENT WITH CONNECTIONS.
3. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS AND ELEVATIONS FOR EXISTING POINTS OF CONNECTION WITH ALL SANITARY, STORM DRAINAGE OR OTHER UTILITY PIPING PRIOR TO THE INSTALLATION OF ANY PIPING. THE CONTRACTOR SHALL BE RESPONSIBLE TO ALERT THE ARCHITECT OF GRADING PROBLEMS PRIOR TO COMMENCING WORK WHEN SUCH PROBLEMS EXIST.
4. ALL PIPE PASSING THROUGH FLOORS OR WALLS WHICH ARE FIRE RATED SHALL BE SUPPORTED AT PENETRATION AND SHALL BE SEALED WITH APPROVED FIRE STOP MATERIALS AS REQUIRED BY BUILDING CODES.
5. CONTRACTOR SHALL COORDINATE WITH STRUCTURAL CONDITIONS AT THE SITE AND PROVIDE PROPER ROUGH-IN CONNECTIONS AS REQUIRED WITHOUT DAMAGE TO STRUCTURE. WHERE MODIFICATIONS TO STRUCTURAL MEMBERS ARE REQUIRED THE CONTRACTOR SHALL RECEIVE WRITTEN APPROVAL FROM THE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO MODIFICATIONS.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD COORDINATING ALL PLUMBING PIPING AND SLEEVE LOCATIONS WITH ALL OTHER TRADES PRIOR TO INSTALLATION OF ANY PIPING OR SUPPORTS.

PLUMBING FIXTURE SCHEDULE

PLAN MARK	MINIMUM ROUGH-IN SIZES					DESCRIPTION
	WASTE	VENT	DRAIN	CW	HW	
SINK SK-1	2"	2"	1-1/2"	1/2"	1/2"	ELKAY "LUSTERONE" MODEL ELUHAD2816, UNDERMOUNT SINGLE BOWL DROP-IN, 304 SS TYPE, 18 GAUGE, 30-1/2" x 18-1/2" x 3-1/2", SATIN FINISH, REAR CENTER DRAIN, WITH DELTA TRINISC MODEL 9159-DST, 1.8 GPM SPOUT ROTATES 360", CONTROL FULL MOTION VALVE CARTRIDGE DUAL INTEGRAL CHECK VALVES IN SPRAYER, ADA, PROVIDE ELKAY No. UK-18 GRID DRAIN STRAINER, OFFSET TAILPIECE, CAST BRASS P-TRAP WITH CO. SUPPLY STOPS ADA INSULATION KIT WHERE TRIM EXPOSED REFER TO ARCHITECT'S PLANS FOR MOUNTING HEIGHT.
WALL BOX WB-1	---	---	---	3/4"	---	GLY GRAY NO. MIB1HAAB 1/2" x 1-1/2" O.D. TUBE COFFE MAKER/ICE MAKER WITH HAMMER ARRESTER VALVE, LEAVE 80" COIL OF 1/4" O.D.S. TYPE "K" SOFT COPPER FOR EQUIPMENT CONNECTION, INSTALL BOX AT 54" A.F.F.
FLOOR SINK FS-1	3"	2"	---	---	---	ZURN No. ZN-1902-2-25-K, 12" SQUARE, 10" DEEP CAST IRON DRAIN WITH ENAMELED INTERIOR, SEDIMENT BUCKET STRAINER AND SECURED HALF NICKEL BRONZE GRATE. FOR FLOOR DRAIN BODY POURED IN CONCRETE SLAB.
GARBAGE DISPOSAL DP-1	---	---	---	---	---	WASTE KING GARBAGE DISPOSAL MODEL 111, 1/3 HP, 1900 R.P.M, 60 HZ, 115V, 4 AMPS, SS, INSTALL PER MANUFACTURER'S RECOMMENDATIONS, CONTRACTOR IS RESPONSIBLE FOR ALL FINAL CONNECTIONS.

PLUMBING PIPE MATERIALS SCHEDULE

PIPING SYSTEM	PIPING MATERIAL
SANITARY SOIL, WASTE AND VENT PIPING BELOW GRADE	SCHEDULE 40 PVC
SANITARY SOIL, WASTE AND VENT PIPING ABOVE GRADE	CAST IRON NO-HUB
DOMESTIC WATER PIPING ABOVE GRADE	COPPER, TYPE "L" HARD DRAIN



2801 Technology Forest Blvd.
The Woodlands, TX 77381

Gensler

909 Fannin St.
Suite 200
Houston, TX 77010
United States

Tel 713.844.0000
Fax 713.844.0001

*DBR

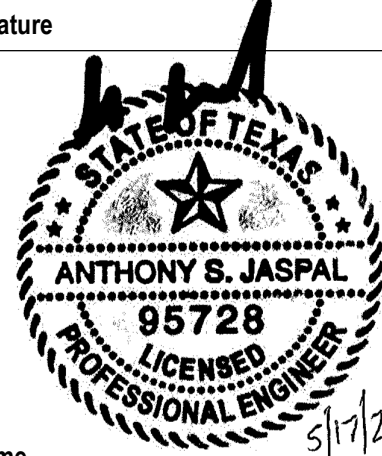
DBR Inc
9990 Richmond Ave
South Building, Suite 300
Houston, TX 77042
Tel 713.914.0888
Fax www.dbrinc.com



4B Technology
390 Glenborough Dr.
Houston, TX 77067
Tel 832.249.9379

Date	Description
05-17-24	ISSUE FOR PERMIT, PRICING, AND CONSTRUCTION

Seal / Signature



Project Name
Woodlands Township - Office Renovation

Project Number
02.9171.000

Description
PLUMBING SCHEDULES

Scale
12" = 1'-0"

P5.01



9990 Richmond Avenue
South Building, Suite 300
Houston, Texas 77042
713.914.0888 p 713.914.0888 f
TBPE Firm Registration No. 2234

DBR Project Number 230237.000

JR CC AM CE --