

HVAC EQUIPMENT SCHEDULE

RTU-1,2,3,4 CARRIER MODEL #50TC-12A2A5-0A0A0, 10 TON, 4000 CFM WITH 16 KW ELECTRIC STRIP HEATER 208V/3PH, SEER 10.2, Q.A.:500 CFM 100% ECONOMIZER, UNITS AND ROOF CURBS TO BE PROVIDED BY OWNER INSTALLED BY THIS CONTRACTOR.

EF-1,2 EXHAUST FAN, 100 CFM @ .250" ESP 120V/1PH, TERMINATE ABOVE ROOF. UNITS TO BE PROVIDED AND INSTALLED BY HVAC CONTRACTOR.

AIR DEVICE SCHEDULE

A CONCENTRIC TYPE(SUPPLY/RETURN)
 B METALAIR #5800 W/O.B.D.
 C METALAIR #V40020, W/O.B.D.
 D METALAIR #LSD W/O.B.D.

PLUMBING FIXTURE SCHEDULE

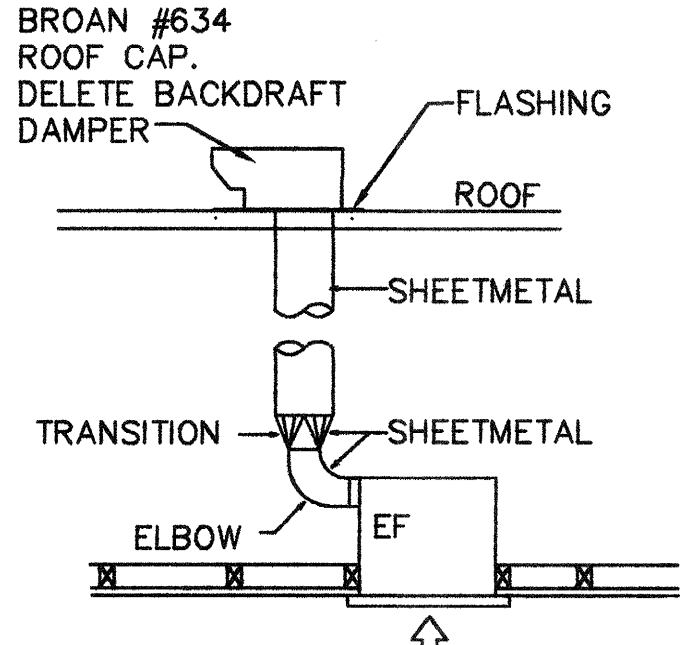
P-1 WATER CLOSET, FLUSH TANK TYPE, FLOOR MOUNTED, V.C. A.D.A. HEIGHT, CONTROLS ON ACCESSIBLE SIDE, OPEN FRONT SEAT SUPPLY AND STOP.
 P-2 LAVATORY, WALL MOUNTED, 20"x18" V.C. WITH SINGLE LEVER FAUCET, A.D.A. TYPE, SUPPLY AND STOP, A.D.A. INSULATION KIT
 P-3 SERVICE SINK, FLR. MTD. 24"x24", WITH FAUCET WITH V.B., STRAINER DRAIN, S.S. WALL GUARD HOSE WALL HOOK.
 EWH ELECTRIC WATER HEATER 10 GALS, 1.5 KW, 120V/1PH

PLUMBING GENERAL NOTES

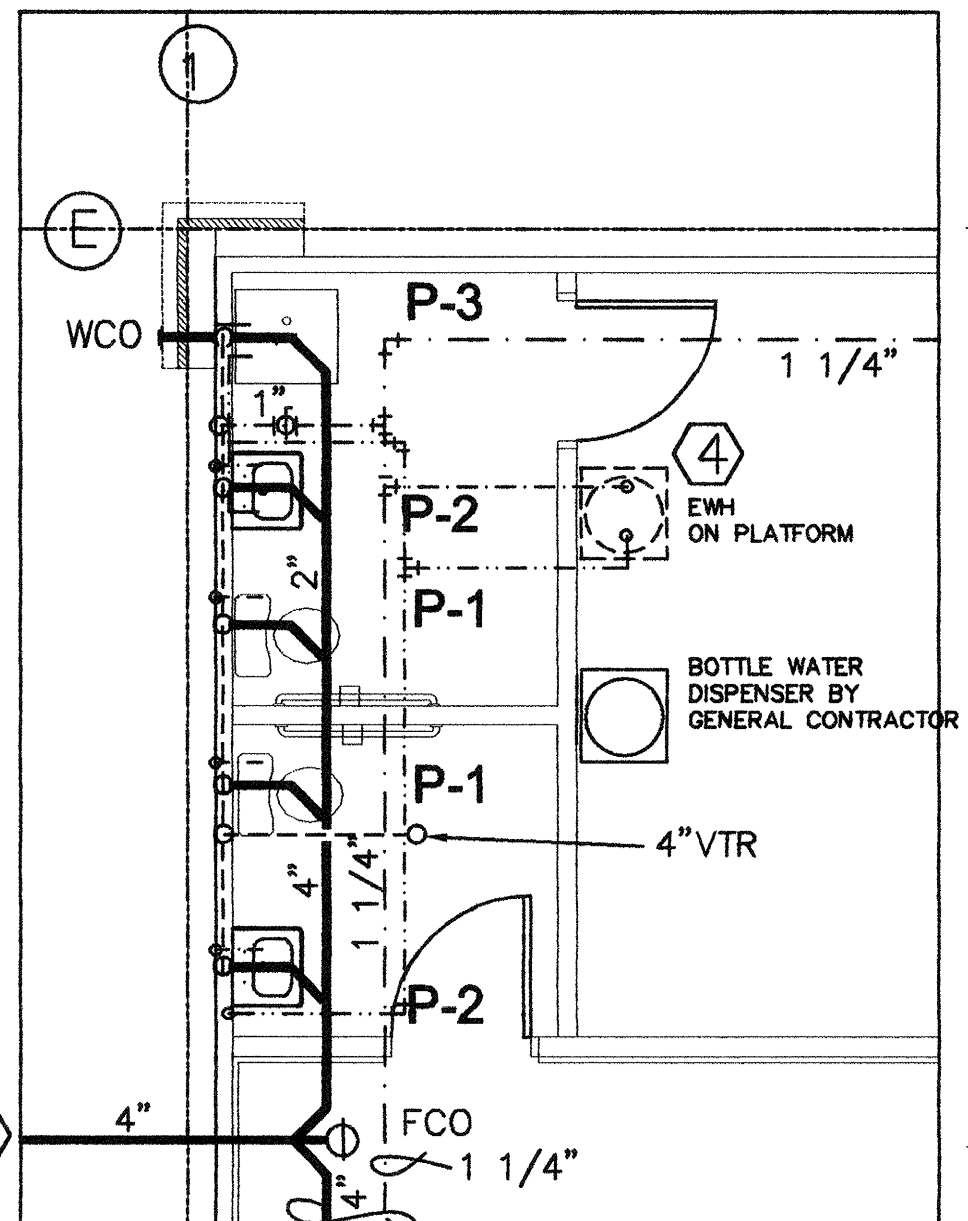
All Plumbing work shall comply with local administrative authority codes and regulations. Coordinate water meter location with Water Service Company and pay all charges imposed by utility company. Owner to select colors for plumbing fixtures. Coordinate all work with other trades to avoid any conflicts. Contractor shall familiarize himself with all the drawings prior to submitting bid. Contact Architect as soon as possible to note any discrepancies, prior to bid. Drawings are diagrammatic and do not indicate all offsets, elevations or obstacles, therefore Contractor shall plan his work in reference to other trades. All exterior water piping shall be Copper type M with fittings. All interior water piping shall be copper type L or M with fittings. Hang piping each 6'-0". Perforated flat hanger strap is NOT acceptable. Insulate all piping in exterior walls and in attic with 1/2" thick performed fiberglass insulation with cover. Install as per manufacturer's written installation instructions. All valves shall be ball valves. All sanitary sewer piping shall be schedule 40 PVC with DWV fittings. Provide cleanouts under each lavatory or sink and where indicated on the drawings. Vents thru roof shall be terminated a min. of 12" above horizontal roof or as per Code. Verify locations of hose bibs with Owner.

IECC COMPLIANCE : MECHANICAL-PLUMBING SECTIONS
 HVAC EQUIPMENT SHALL BE IN COMPLIANCE WITH THE 2003 IECC TABLE 803.2.2.(1) FOR AIR COOLED SINGLE PACKAGED SYSTEMS. HVAC EQUIPMENT SEER RATINGS SHALL BE >10.2.
 HVAC DUCT INSULATION TO BE IN COMPLIANCE IN ACCORDANCE WITH THE 2006 IECC SECTION 803.2.8. ALL SUPPLY AND RETURN DUCTS IN CONDITIONED SPACE WILL BE PROVIDED WITH MINIMUM OF R-8 INSULATION.
 NOTE: CONTRACTOR SHALL COMPLY WITH THE MINIMUM STANDARDS AS DESCRIBED IN THE 2003 IECC.

GENERAL NOTES - MECHANICAL
 All supply and return air ductwork shall be either ductboard 1 1/2" thick, or flexible U.L. Listed 181. All branch take-offs shall be provided with air scoops. All supply air devices shall be provided with adjustable volume dampers. Toilet exhaust ductwork may be round sheet metal or metallic flexible aluminum duct. All flexible duct take-offs shall be provided with air scoops. Provide volume dampers, where above accessible ceilings. Drawings are diagrammatic and do not indicate all offsets, elevations or obstacles, therefore Contractor shall plan his duct routing so as to avoid any conflict with roof framing members. Ductwork shall be laid as straight as possible with minimum turns and bends. Coordinate all ductwork, air device locations with lighting layout and with architectural features as directed by Architect. Insulate all condensate drain piping with 1/2" tk. pre-formed insulation. All thermostats and ductmounted smoke detectors shall be provided by Owner and installed by HVAC Contractor.

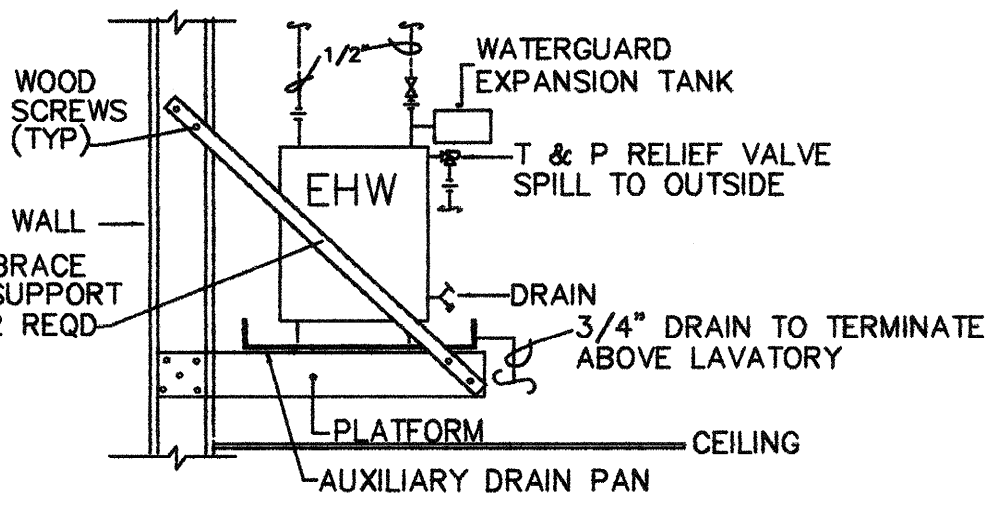


TOILET ROOM EXHAUST FAN DETAIL
 NO SCALE

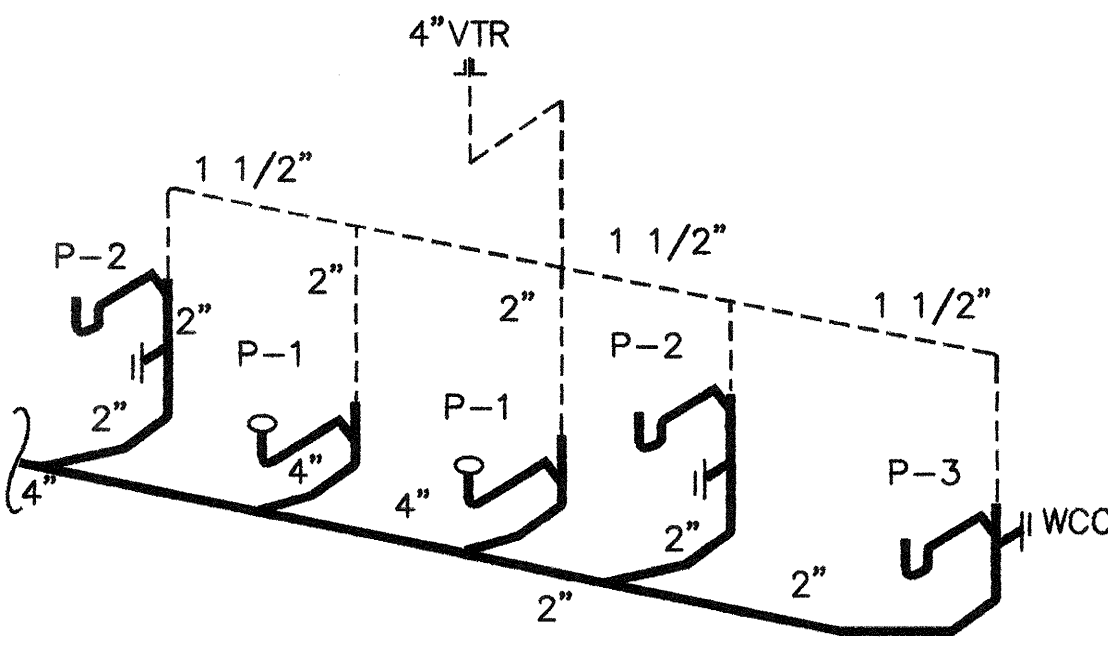


PLUMBING TOILET ROOMS PLAN
 SCALE: 1/4"=1'-0"

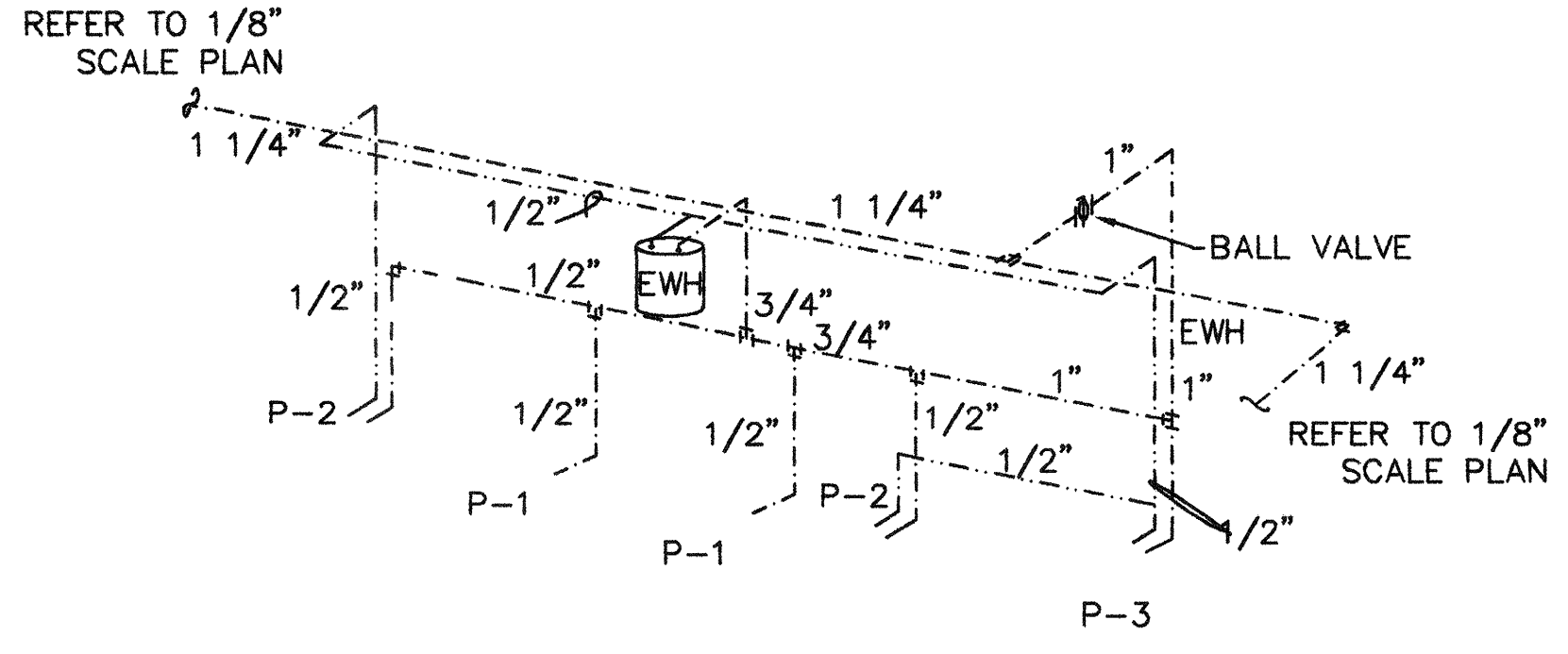
KEYED NOTE
 ① REFER TO MEP-1 FOR CONTINUATION.
 ② LOCATE THERMOSTAT WHERE DIRECTED BY OWNER.
 ③ EXTEND 4" DIA. EXHAUST DUCT UP THRU ROOF. PROVIDE APPROVED TYPE ROOF CAP AND FLASHING.
 ④ LOCATE WTR. HTR. ON PLATFORM ABOVE CEILING.
 ⑤ PROVIDE EXTRA STRUCTURAL MEMBERS TO SUPPORT ROOF TOP UNIT. (1050#). COORDINATE WITH STRUCTURAL ENGINEER.



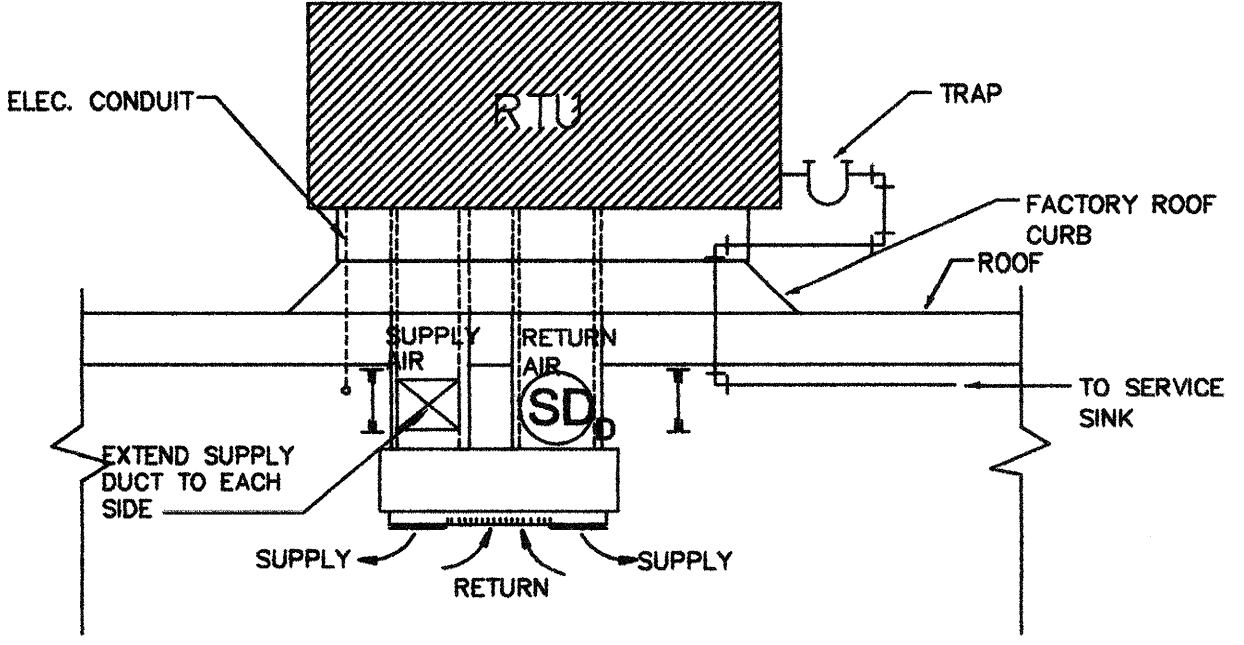
ELECTRIC WATER HEATER DETAIL
 NO SCALE



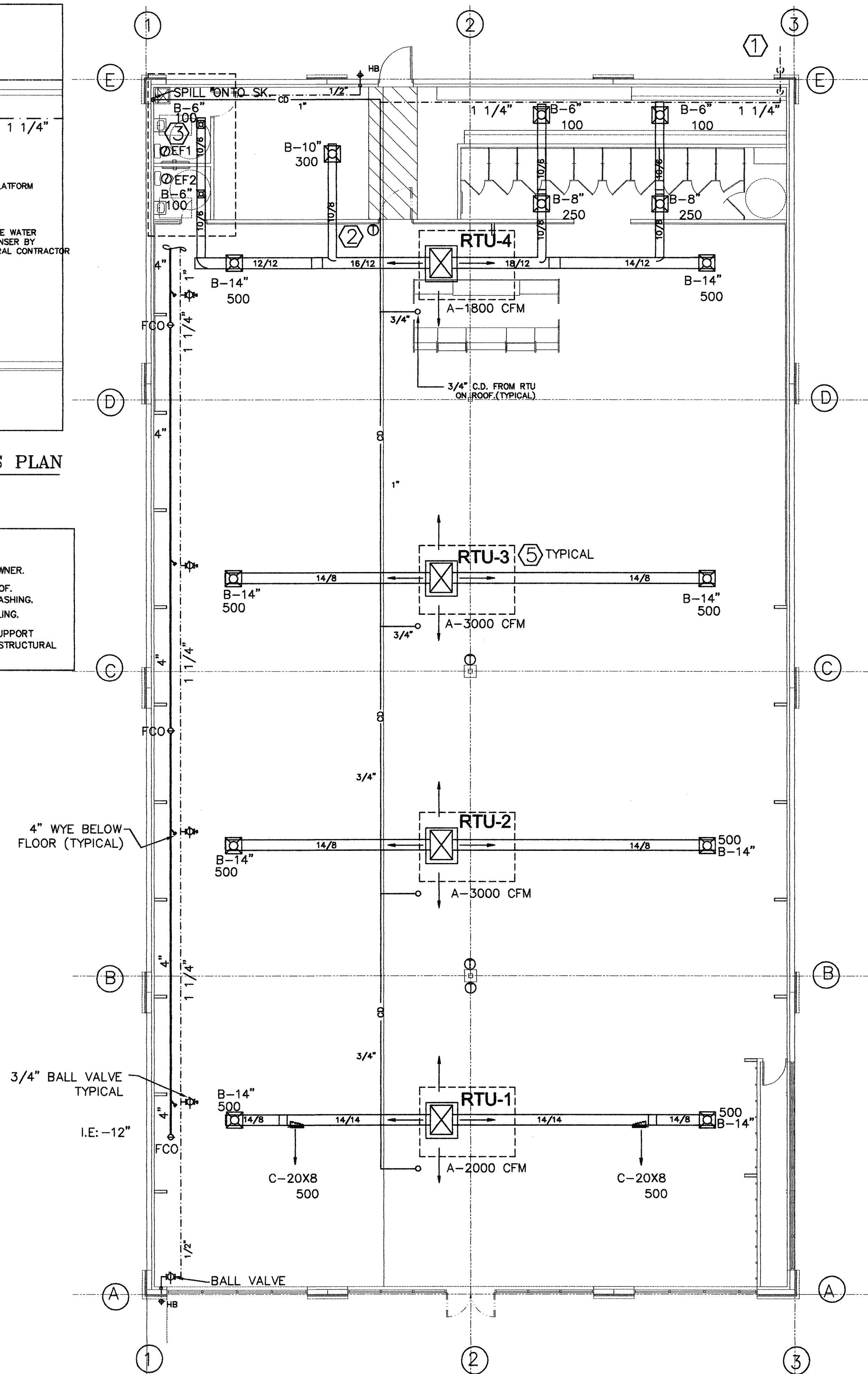
WASTE & VENT RISER
 SCALE: NONE



HOT & COLD WATER PIPING RISER
 SCALE: NONE



ROOFTOP UNIT RTU-1,2,3,4 DETAIL
 NO SCALE



HVAC AND PLUMBING FLOOR PLAN
 SCALE: 1/8"=1'-0"

REVISIONS	DATE	#

M.E.P. DESIGN, INC.
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 SAN ANTONIO, TEXAS 78213

STATE OF TEXAS
PROFESSIONAL ENGINEER
 PAUL A. PALMER
 24438
 EXPIRES 9/30/2011

MELROSE FASHION STORE - #52
 219 EAST MILE 3 RD
 PALMHURST, TEXAS 78573

DRAWN OC
 CHECKED HAP
 DATE MAY 02, 2011
 PROJECT MELROSE
 JOB NO. 0911
 SHEET