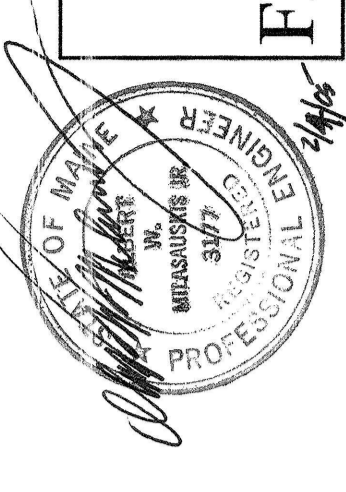


BID SET
FEBRUARY 4, 2005



MB

BASEMENT FLOOR PLAN
MECHANICAL

Drawing:

Date: 2-4-05
Scale: 1/8" = 1'-0"
Checked: AWM

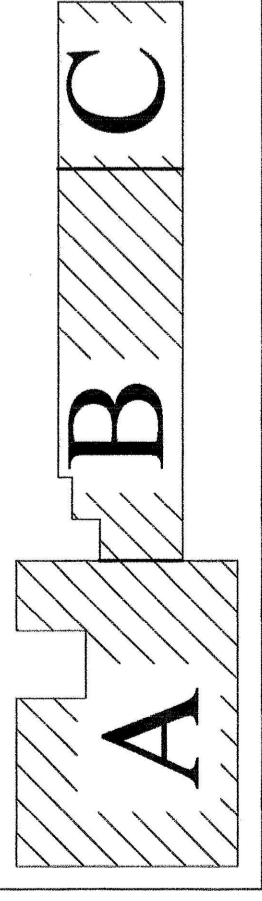
Project: RENOVATION OF
CONGRESS SQUARE PLAZA
10 CONGRESS STREET
PORTLAND, MAINE 04101

Architect: ARCHETYPE, P.A.
ARCHITECTS
48 Union Wharf Portland, Maine 04101
(207) 772-6022 Fax (207) 772-4056

Owner: HARBOR MANAGEMENT CO.
23 CENTRAL AVENUE
SUITE 710
LYNN, MA 01901



AWM engineering, inc.
CONSULTING ENGINEERS
1000 State Street, Suite 1000, Portland, ME 04101
Tel: (207) 772-6022 Fax: (207) 772-4056



FOREST AVENUE

KEY PLAN
SCALE: NONE

HOT WATER PUMP SCHEDULE

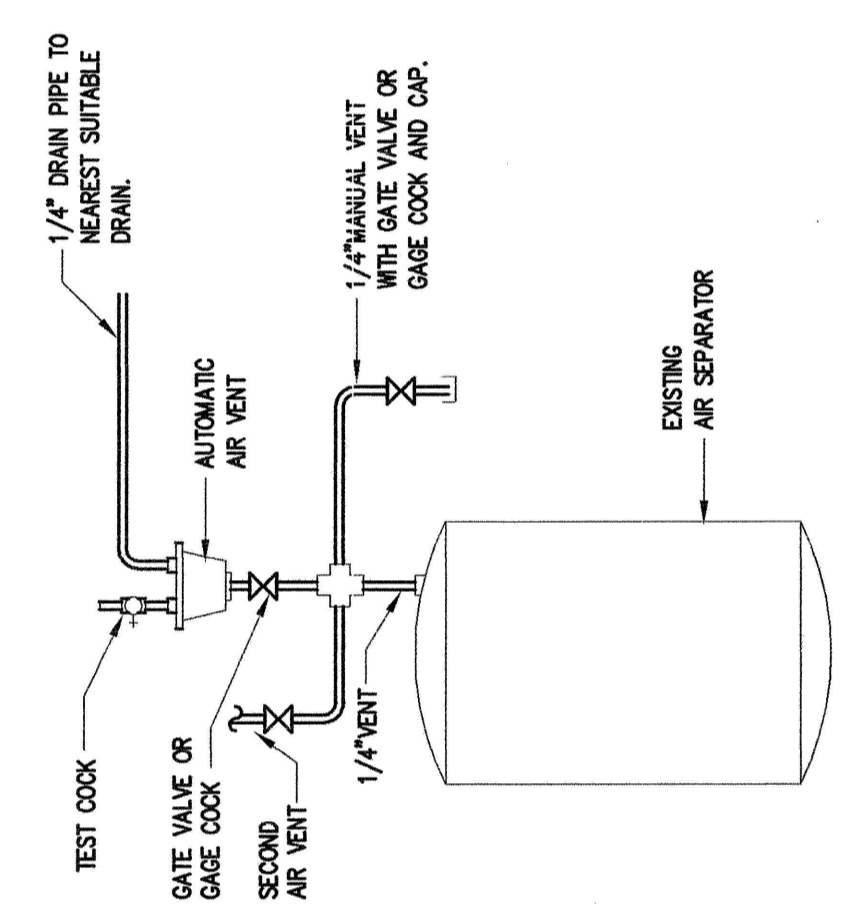
UNIT LOCATION	SERVES	GPM	HD. FT.	MOTOR RPM (MIN. HP)	VOLTS PHASE	MANUFACTURER - MODEL	OPTIONS
P-3	BOILER Rm.	250	80	1750 (1.25)	208-1	FACO	(1)(2)(3)

NOTE: ① OPERATES WITH VARIABLE FREQUENCY DRIVE. ② CONTROL BY PRESSURE DIFFERENTIAL. ③ BASE MOUNTED WITH SECTION DIFFUSER AND TRIPLE DUTY VALVE.

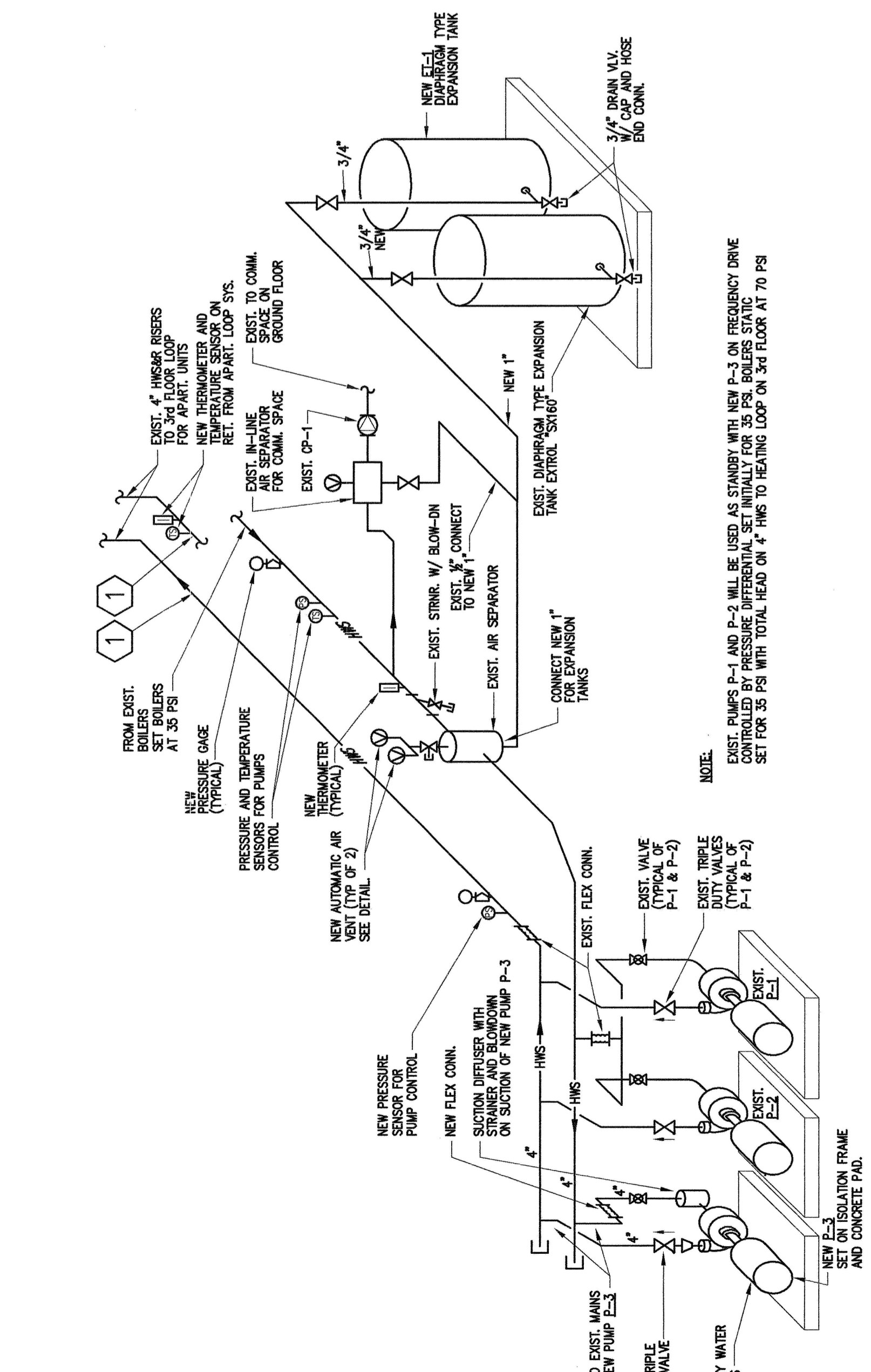
EXPANSION TANK SCHEDULE

UNIT NUMBER	LOCATION	SERVED	ACCEPT GALL.	DIA. (IN.)	LENGTH (IN.)	WEIGHT FULL (LBS.)	PRE-CHARGE PSIG	TYPICAL UNIT MFG. AND MODEL NO.
ET-1	BOILER Rm.	HOT WATER STATISTAR	36	22	58	750	12	EXTROL SK-100V

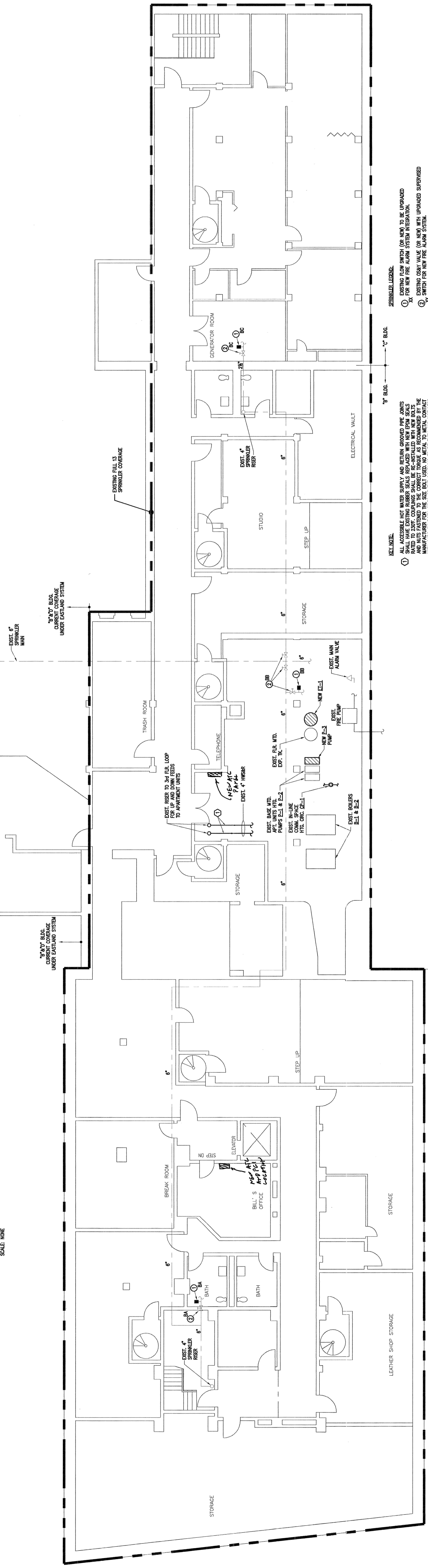
NOTE: BOILERS TO BE SET AT 35 PS (RELIEF VALVES AT 50 PS) STATIC.



AIR SEPARATOR VENT
SCALE: NONE



BOILER PIPING DIAGRAM-NEW WORK
SCALE: NONE



BASEMENT FLOOR PLAN
SCALE: 1/8" = 1'-0"

- SECT. NOTE:**
- ALL ACCESSIBLE HOT WATER SUPPLY AND RETURN GROUNDED PIPE JOINTS SHALL HAVE EXISTING RUBBER SEALS REPLACED WITH NEW EPDM SEALS. EXISTING RUBBER SEALS SHALL BE REPLACED WITH NEW EPDM SEALS. AND NUTS FASTENED TO THE CORRECT TORQUE AS RECOMMENDED BY THE MANUFACTURER FOR THE SIZE BOLT USED. NO METAL TO METAL CONTACT SHALL BE ALLOWED. THE TORQUE SHALL BE 10 FT-LBS. FOR BOLTS SMALLER THAN 1/2" BETWEEN THE BOLT PADS. FASTEN ONLY WITH TORQUE WRENCH AS PER MANUFACTURER RECOMMENDATIONS.
 - COUPLINGS TO BE REMOVED AND CLEANED - REPLACED IF DEFECTIVE.
 - PIPE GROUNDED END TO BE CLEANED PER COUPLING MANUFACTURER REQUIREMENTS.
 - INSTALL NEW EPDM SEALS - SPACING ON PIPE SURFACE SHALL BE FREE FROM DEEP SCORING MARKS OR ROUGH. NOTE: IF A POSITIVE SEAL CANNOT BE MADE, THE PIPES WILL NEED TO BE CUT AND RE-GROUNDED WITH A NEW SECTION MADE THE CONTRIBUTOR TO CARRY ALLOWANCE FOR (A) DEFECTIVE IN THE BASE BLD.
 - INSTALL NEW BOLTS AND NUTS SIZED FOR TYPE OF COUPLING AND PIPE SIZE.
 - ALL BOLTS AND NUTS SHALL BE TORQUED TO THE REQUIRED TORQUE USING A TORQUE WRENCH.

- SPRINKLER LEGEND:**
- EXISTING FLOW SWITCH (OR NEW) TO BE UPGRADED FOR NEW FIRE ALARM SYSTEM INTERACTION.
 - EXISTING ORSBY VALVE (OR NEW) WITH UPGRADED SUPERSEDED SWITCH FOR NEW FIRE ALARM SYSTEM.
 - (FIRST LETTER) EQUALS WHICH FLOOR: FOR INSTANCE B = BASEMENT (SECOND LETTER) EQUALS WHICH BLD.: FOR INSTANCE C = "C" BLD.