M3.1 SCALE: NONE

3/4" CONDENSATE TO

CONDENSATE NEUTRALIZER SEE 6/M3.2, TYP

TO VAV-114 RHC

BOILER ROOM MECH ROOM CORE DRILL OR PROVIDE WALL SLEEVE. SEAL TO PREVENT THE PROVIDE WALL SLEEVE AND SEAL PASSAGE OF SMOKE. PENETRATION WEATHERTIGHT— LOCKABLE ISOLATION VALVE. COORDINATE TYPE WITH UAA -BLR 2 PRESSURE REGULATOR -GAS SERVICE LINE 1500 MBH 1500 MBH WITH PRV AND LOCKABLE GAS 3000 MBH SHUTOFF VALVE -TOTAL METER -DIRT LEG, (TYP) PROVIDE BOLLARD - PROVIDE CONCRETE PROTECTION -BASE PAD BY UTILITY - BY CONTRACTOR

DIAGRAM - GAS PIPING M3.1 SCALE: NONE

TO FIRST FLOOR BRANCHES 4" HWR(E) BAS BCS CONNECT TO SIDE -4" HWS(E) 4" HWS(E) RELOCATED AIR SEPARATOR 3" HWS/HWR TO TO UH(E)  $5 \setminus \text{FOR CONTINUATION}$ HX-1, SEE 3 M3.2 RELOCATED HEATING SYSTEM FLOW METER M3.2 TRANSDUCER. LOCATE TO ACCOMMODATE MFR'S RECOMMENDED UPSTREAM & DOWNSTREAM STRAIGHT PIPE DIAMETERS. OSA SENSOR 250 GPM BOILERS, SENSORS, VALVES BCS BCS \_\_\_ 2-1/2"(E) BCS BOILER ISOLATION VALVE, FURNISHED BY BOILER SUPPLIER, TYP — BOILER - PRESSURE RELIEF CONTROL SYSTEM\* -SETPOINT 50 PSIG, PIPE 18" AFF, TYP \* BOILER CONTROL PANEL MAY BE OMITTED IF SYSTEM CONTROL POINTS AND FUNCTIONS ARE INTEGRAL AND AVAILABLE TO BOTH BOILER SEE TO WATER HEATER(E) TO HC-1(E)AND UH(E) አBCS SPECIFICATION SECTION 25 5000 - SEQUENCE OF OPERATIONS. REFER TO SPECIFICATION SECTION 23 2113 HYDRONIC HEATING 8" INSULATED OSA (MASTER) COMBUSTION AIR DUCT, TYP -PIPING AND SPECIALTIES FOR INFORMATION REGARDING SYSTEM FLUSHING, CLEANING, FILLING, AND TREATMENT. 8" INSULATED VENT, TYP -(SLAVE)

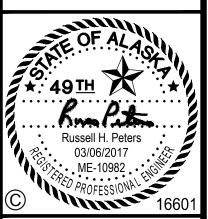
HEATING WATER SYSTEM DIAGRAM-NEW

HOUSEKEEPING PAD. SEE 6/M3.2 TYP

HEATING WATER SYSTEM DIAGRAM-DEMO

M3.1 / SCALE: NONE

ENGINEERS www.amc-engineers.com Adams, Morgenthaler & Co., Inc. CoA No. C0342 - 907.257.9100 701 E. Tudor Rd. Suite 250 Anchorage, AK 99503



LAA UNIVERSITY of ALASKA ANCHORAGE

> STEMS EM-2 MEC NSB

Revisions No. Date Description Design: ERP/MPL Drawn:

16-0103 UAA Project No.: 02/17/2017

Sheet Title

DIAGRAMS □ HEATING SYSTEM

Sheet Number M3.<sup>2</sup>