



DRAWING NOTES

1. TERMINATE 8" COMBUSTION INTAKE PIPE THROUGH WALL WITH HOODED INTAKE CAP. CAP SHALL BE PROVIDED WITH BIRD SCREEN. TERMINATION SHALL BE 8 FT. ABOVE GRADE.
2. TERMINATE 8" FLUE DUCTS WITH UL LISTED AND APPROVED VERTICAL VENT TERMINATION. VENT PIPE SHALL BE AL29-4C POLYPRO MATERIAL. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS. TERMINATION SHALL BE LOCATED AT LEAST 8 FT. FROM ADJACENT VERTICAL WALL.
3. EQUIPMENT SHALL BE MOUNTED ON A 4IN THICK CONCRETE HOUSEKEEPING PAD.
4. CONDENSATE DRAINS FROM BOILER SHALL BE ROUTED TO AN ACID NEUTRALIZING TANK BEFORE ENTERING THE PUBLIC SANITARY SEWER SYSTEM. ALL MATERIALS FROM BOILER TO NEUTRALIZATION TANK SHALL BE ACID RESISTANT. INSTALLING CONTRACTOR SHALL COORDINATE THE FINAL LOCATION OF ACID NEUTRALIZATION TANK WITH EQUIPMENT LAYOUT.
5. PROVIDE EPO SWITCH FOR SHUTDOWN OF MAIN LINE POWER OF BOILER BURNERS. COORDINATE VOLTAGE AND SHUT DOWN REQUIREMENTS WITH BOILER MANUFACTURER.
6. 4" SM5 & R PIPING DOWN BELOW GRADE.
7. REFER TO THE BOILER ROOM SCHEMATIC PIPING PLAN ON SHEET M03 FOR DETAILS ON BOILER ROOM PIPING IN THIS AREA.
8. PROVIDE EPO SWITCH FOR BOILER SHUT OFF COORDINATED WITH ELECTRICAL.
9. REMOVE AND PATCH EXISTING HIGHLOW COMBUSTION AIR OPENINGS IN WALL.
10. PROVIDE A 22 X 14 COMBUSTION INTAKE GRILLE HIGH ON WALL. MOUNT WITHIN 12 IN. OF STRUCTURE.

EXISTING POOL BOILER ROOM
COMBUSTION AIR CALCULATION PER
2015 IFGC SECTION 304.6.2 ONE
PERMANENT OPENING METHOD.

TOTAL CONNECTED GAS LOAD = 484,900 BTUH

C.A. OPENING SIZE = $\frac{484,900}{3000} \times 1 \text{ SQ. IN.} =$

161.6 SQ. IN. < INSTALLED
OPENING SIZE 308 SQ. IN.

WATERPROOFING / RENOVATION - PHASE 2
TORIAN PLUM PARKING STRUCTURE
STEAMBOAT SPRINGS, CO

Date **10.22.17**
Drawn By **BAW**
Reviewed by **RRR**
Job No. **17109**

Revisions	
Name	Date
BLDO DEPT #1	09/06/18
BLDO DEPT #2	04/27/18

Issue:
100% Construction Documents
Sheet Title:
**BOILER ROOM
MECHANICAL PLAN**
Sheet Number

M3.1