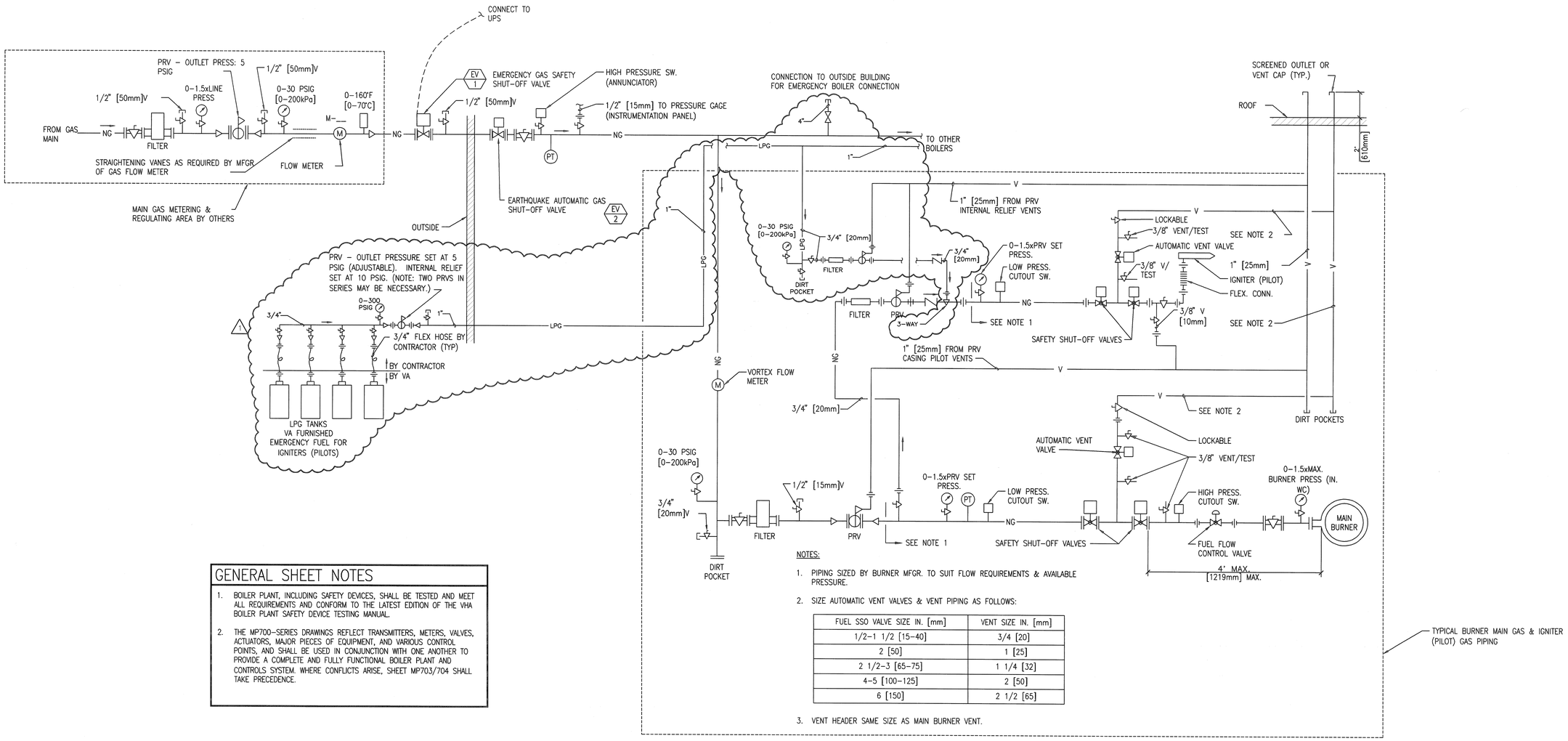
BOILER NATURAL GAS SEQUENCE OF OPERATION

MAIN BOILER EMERGENCY STOP SWITCH CLOSES FUEL OIL SOLENOID VALVE AT POINT OF ENTRY INTO BUILDING. AND SHUTS DOWN ALL TRANSFER PUMPS. INDIVIDUAL BOILER EMERGENCY STOP SWITCHES CLOSE ASSOCIATED SAFETY SHUT-OFF VALVES INTERNAL TO ASSOCIATED BOILER.



NOTES:

1. PIPING SIZED BY BURNER MFGR. TO SUIT FLOW REQUIREMENTS & AVAILABLE PRESSURE.
2. SIZE AUTOMATIC VENT VALVES & VENT PIPING AS FOLLOWS:

FUEL SSO VALVE SIZE IN. [mm]	VENT SIZE IN. [mm]
1/2–1 1/2 [15–40]	3/4 [20]
2 [50]	1 [25]
2 1/2–3 [65–75]	1 1/4 [32]
4–5 [100–125]	2 [50]
6 [150]	2 1/2 [65]

3. VENT HEADER SAME SIZE AS MAIN BURNER VENT.

GENERAL SHEET NOTES

1. BOILER PLANT, INCLUDING SAFETY DEVICES, SHALL BE TESTED AND MEET ALL REQUIREMENTS AND CONFORM TO THE LATEST EDITION OF THE VHA BOILER PLANT SAFETY DEVICE TESTING MANUAL.
2. THE MP700–SERIES DRAWINGS REFLECT TRANSMITTERS, METERS, VALVES, ACTUATORS, MAJOR PIECES OF EQUIPMENT, AND VARIOUS CONTROL POINTS, AND SHALL BE USED IN CONJUNCTION WITH ONE ANOTHER TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL BOILER PLANT AND CONTROLS SYSTEM. WHERE CONFLICTS ARISE, SHEET MP703/704 SHALL TAKE PRECEDENCE.

F1 NATURAL GAS – BURNER AND IGNITER FUEL STANDARD PIPING DIAGRAM

SCALE: NONE

REVISION NO.	REVISION DESCRIPTION	
1	BIDDER AMENDMENT 1	4/7/2015
Revisions		By Date

Department of Veterans Affairs

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Recommended Approvals:	
1. MEDICAL CENTER DIRECTOR	6. OPERATIONS SERVICE LINE MANAGER
2. ASSOCIATE DIRECTOR	7. INFECTION CONTROL MANAGER
3. CHIEF OF STAFF	8. SAFETY MANAGER
4. ASSOC. DIRECTOR	9. GENERAL ENGINEER
5. SERVICE LINE MGRS.	10. COR

Drawing Title: NATURAL GAS DIAGRAM

Project Title: VAMC SALEM, VIRGINIA UPGRADE UTILITY PLANT

Date: DECEMBER 9, 2014

Project Number: 658-11-104

FINAL BID DOCUMENTS

FULLY SPRINKLERED

Drawn: DJB | Building Number: 175 | AutoCAD File Name | Checked | Reviewed | Const. Contract No.

DRAWING No. MP707 DWG OF

Veterans Affairs