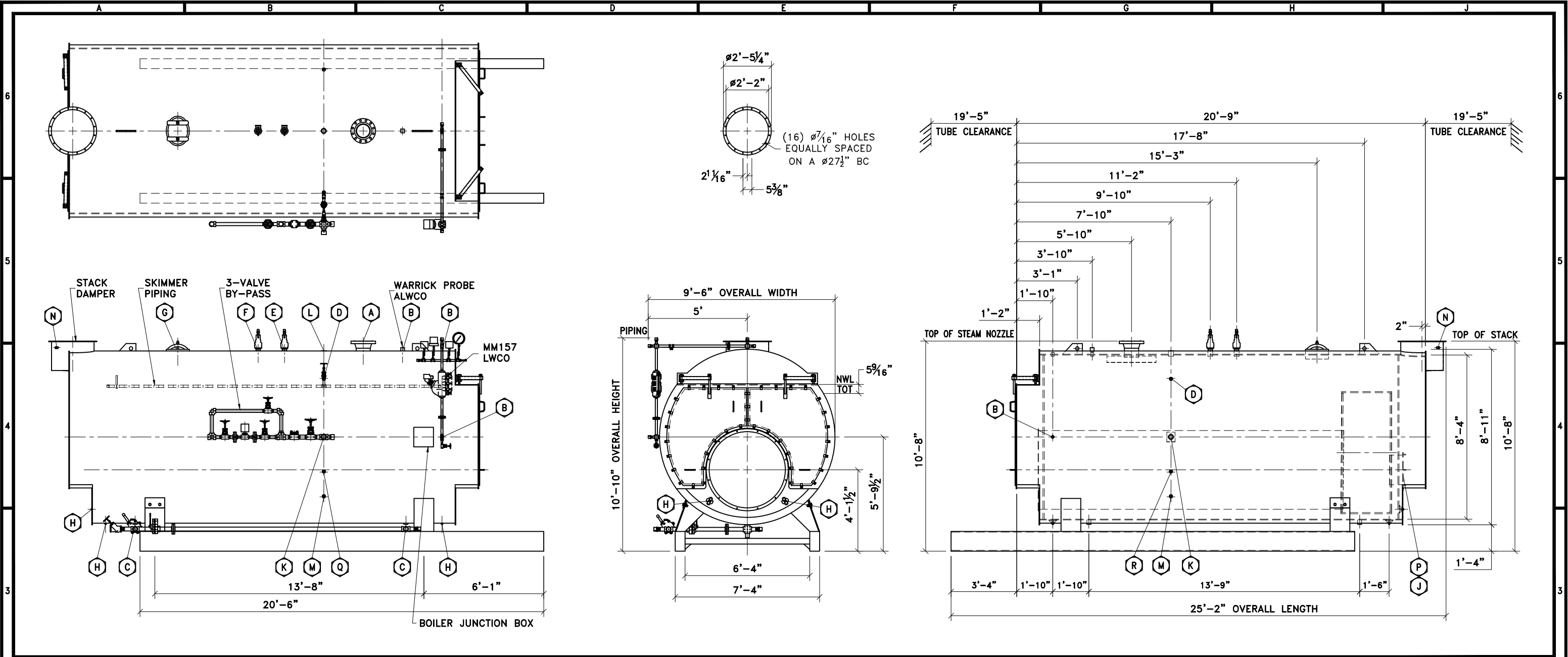




| BOILER CONNECTIONS |                   |             | QTY | BOILER RATINGS               |                      |
|--------------------|-------------------|-------------|-----|------------------------------|----------------------|
| A                  | STEAM OUTLET:     | 8" 300# FLG | 1   | NOMINAL BOILER HORSEPOWER    | 600 HP               |
| B                  | LWCO:             | 1" NPT      | 4   | DESIGN PRESSURE              | 150 PSIG STEAM       |
| C                  | BOILER BLOWDOWN:  | 1 1/2" NPT  | 2   | GROSS OUTPUT                 | 20085 MBH            |
| D                  | SURFACE BLOWDOWN: | 1" NPT      | 2   | STEAM OUTPUT (FROM & 212 °F) | 20700 LBS/HR         |
| E                  | SAFTY VALVE:      | 2" NPT      | 1   | RATED INPUT                  | 25106 MBH            |
| F                  | SAFTY VALVE:      | 2" NPT      | 1   | BOILER DATA                  |                      |
| G                  | MANWAY:           | 12" x 16"   | 1   |                              |                      |
| H                  | HANDHOLE:         | 3" x 4"     | 5   | HEATING SURFACE (ASME)       | 3011 SqFt            |
| J                  | CLEANOUT PORT:    | 18" ID      | 1   | FURNACE VOLUME               | 179.11 CuFt          |
| K                  | FEEDWATER:        | 2" NPT      | 2   | TURNAROUND VOLUME            | 69.03 CuFt           |
| L                  | AUXILIARY/VENT:   | 2" NPT      | 1   | STEAMING VOLUME              | 102.87 CuFt          |
| M                  | LOW FIRE HOLD:    | 1" NPT      | 2   | STEAM RELEASE AREA           | 110.25 SqFt          |
| N                  | STACK TEMP:       | 1/2" NPT    | 2   | WATER CAPACITY:              |                      |
| P                  | SIGHT PORT:       | 1" PIPE     | 1   | (FULL)                       | 4314 Gal @ 35884 Lbs |
| Q                  | CHEMICAL FEED:    | 1" NPT      | 1   | (NWL)                        | 3545 Gal @ 29483 Lbs |
| R                  | EXTRA CONNECTION: | 1 1/2" NPT  | 1   | SHIPPING WEIGHT:             | 43,400 Lbs           |
| S                  |                   |             |     |                              |                      |

| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |      |            |      |                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|------------|------|----------------|
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |      |            |      |                |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |      |            |      |                |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |      |            |      |                |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |      |            |      |                |
| REV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | BY       | DATE | CHK'D      | DATE | DESCRIPTION    |
| NOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |      |            |      |                |
| 1. VICTORY ENERGY, L.L.C. RESERVES THE RIGHT TO CHANGE DIMENSION DUE TO PRODUCT REVISION OR JOB REQUIREMENTS.                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |      |            |      |                |
| 2. PRELIMINARY DIMENSIONS AND MAY BE USED FOR LAYOUT ONLY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |      |            |      |                |
| 3. CONTROLS & PIPING ARE MOUNTED PER SPECIFICATION SHEET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |      |            |      |                |
| 4. BOILER DESIGN CODE ASME SECTION I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |      |            |      |                |
| 5. DIMENSIONS ARE ± 1/2" UNLESS OTHERWISE NOTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |      |            |      |                |
| 6. BOILER INSULATED WITH 2" - 8# DENSITY MINERAL FIBER INSULATION WITH 22 GAUGE STEEL JACKET                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |      |            |      |                |
| 7. HORSEPOWER & RELATED INFO BASED ON 5 SqFt FIRING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |      |            |      |                |
| NOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |      |            |      |                |
| THIS DESIGN OR DRAWING IS NOT SOLD AND IS SUBJECT TO RECALL. REPRODUCTION OR COPYING RIGHTS ARE RESERVED SOLELY TO VICTORY ENERGY OPERATIONS, L.L.C. THE DRAWING HAS BEEN DELIVERED AND RECEIVED ON THE EXPRESSED CONDITIONS THAT IT IS NOT USED IN ANY WAY AGAINST THE INTERESTS AND BENEFITS OF VICTORY ENERGY OPERATIONS, L.L.C., AND THAT THIS DRAWING AND ALL COPIES OF IT WILL BE RETURNED TO VICTORY ENERGY OPERATIONS, L.L.C. IMMEDIATELY UPON DEMAND, AND THAT ALL INFORMATION DISCLOSED BY THIS DRAWING TO THE HOLDER SHALL BE HELD IN CONFIDENCE. |          |      |            |      |                |
| SCALE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DRAWN BY | DATE | CHECKED BY | DATE | DRAWING NUMBER |
| 1/60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | X        | X    | X          | X    | VE - XXXX      |

# VICTORY ENERGY<sup>®</sup>

FULL STEAM AHEAD!

10701 E. 126th St. North, Collinsville, OK 74021  
PHONE: 918-274-0023 FAX: 918-274-0059

## FRONTIER<sup>®</sup>

series

REPRESENTATIVE:

XX

PROJECT:

XX

| SCALE | DRAWN BY | DATE | CHECKED BY | DATE | DRAWING NUMBER | BOILER MODEL  |
|-------|----------|------|------------|------|----------------|---------------|
| 1/60  | X        | X    | X          | X    | VE - XXXX      | F3-600-S150-M |