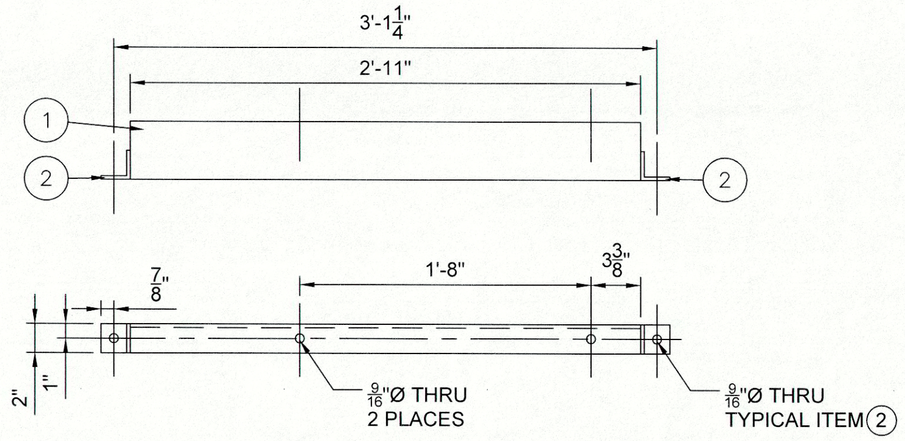
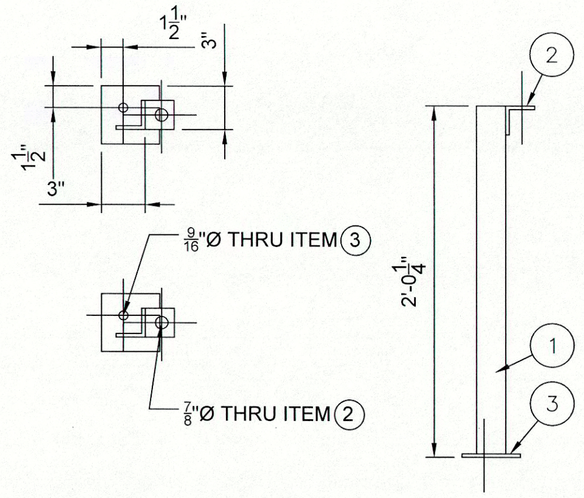


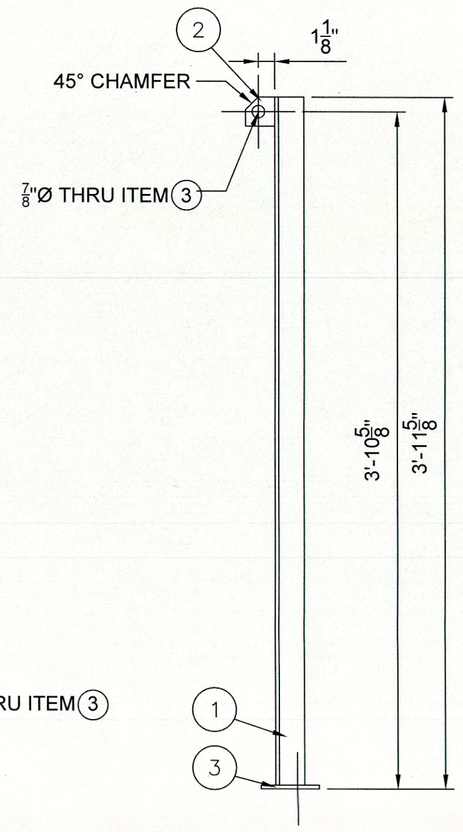

A HEATER SUPPORT FRAME
THIS DRAWING
SCALE: 1 1/2'=1'-0"

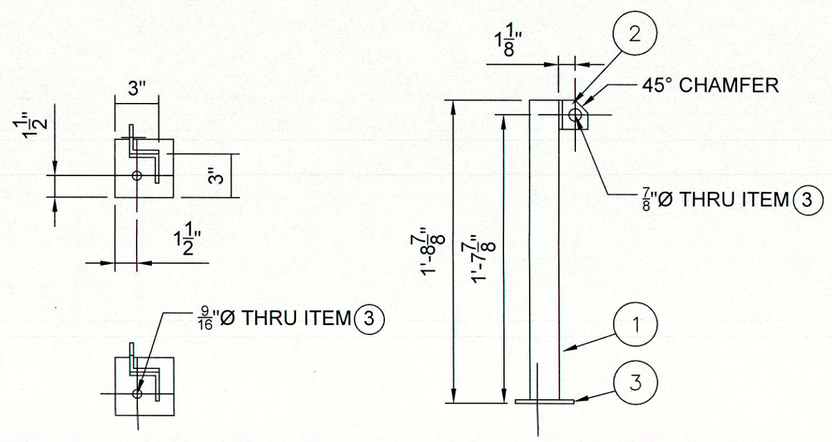



B PIPE SUPPORT
THIS DRAWING
SCALE: 1 1/2'=1'-0"

| IDENTIFICATION | | | MATERIAL LIST |
|---|---|---|---|
| ASS'Y | ITEM | QTY./ ASS'Y | DESCRIPTION |
| (A) QTY: 4 | HEATER SUPPORT FRAME | | |
| | 1 | 1 | CHANNEL - C4x6.25, 2'-11" LONG |
| | 2 | 2 | ANGLE - 2"x2"x1/4", 2" LONG |
| (B) QTY: 1 | PIPE SUPPORT | | |
| | 1 | 1 | ANGLE - 2"x2"x1/4", 2-0" LONG |
| | 2 | 1 | ANGLE - 2"x2"x1/4", 2" LONG |
| | 3 | 1 | PLATE - 4"x4"x1/4" |
| (C) QTY: 2 | PIPE SUPPORT | | |
| | 1 | 1 | ANGLE - 2"x2"x1/4", 1'-8 5/8" LONG |
| | 2 | 1 | ANGLE - 2"x2"x1/4", 2" LONG |
| | 3 | 1 | PLATE - 4"x4"x1/4" |
| (D) QTY: 1 | PIPE SUPPORT | | |
| | 1 | 1 | ANGLE - 2"x2"x1/4", 3'-11 3/8" LONG |
| | 2 | 1 | ANGLE - 2"x2"x1/4", 2" LONG |
| | 3 | 1 | PLATE - 4"x4"x1/4" |

A/R = AS REQUIRED




C PIPE SUPPORT
THIS DRAWING
SCALE: 1 1/2'=1'-0"




D PIPE SUPPORT
THIS DRAWING
SCALE: 1 1/2'=1'-0"

## STRUCTURAL NOTES - UNLESS OTHERWISE SPECIFIED:

1. ALL WIDE FLANGE SECTIONS ARE TO BE ASTM A992 STEEL. ALL ANGLES, CHANNELS, AND PLATE SECTIONS ARE TO BE ASTM A36 STEEL. ALL STRUCTURAL TUBE SHAPES ARE TO BE ASTM A500 STEEL.
2. ALL WELDS ARE MADE WITH E70XX ELECTRODES.
3. ALL WELDS NOT SHOWN ARE 1/4" FILLET WELDS ALL AROUND.
4. ALL BOLTS ARE A325.
5. FABRICATOR TO SUPPLY ALL MATERIALS INCLUDING NUTS, BOLTS AND WASHERS.
6. PRIME AND PAINT CARBON STEEL VIONX SIGNAL WHITE, RAL 9003, OR GALVANIZE AFTER FABRICATION.
7. EQUIPMENT AND PIPE SUPPORT CONCRETE ANCHORS ARE HILTI DROP IN TYPE, OR EQUAL,WITH GALVANIZED NUTS AND WASHERS
8. VOID ALL PRINTS BEARING PREVIOUS REVISION DATES.

NOTE
WORK THIS DRAWING WITH:
PA001, PD001, PD003, PD004, PB001, PB002, PB003, PB004, PB005, PB006

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ISSUED FOR FABRICATION
DATE: 15JAN2018

REF. DWG.

| ISSUE | DATE | BY | APPVD. | DESCRIPTION |
|---|---|---|---|---|
| A | 15JAN2018 | JHH/OTI | | ISSUED FOR FABRICATION |

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UNLESS OTHERWISE NOTED:
1) ALL DIMENSIONS ARE IN INCHES
2) BREAK ALL SHARP EDGES
3) TOLERANCES (NON ACCUMULATIVE):

| FOR MACHINED SURFACES: | | FOR FABRICATION, WELDMENTS, SAWCUT SURFACES, BENDS, ETC: | |
|---|---|---|---|
| DECIMAL 1 PLC. | ±.03" | | |
| DECIMAL 2 PLC. | ±.01" | | |
| DECIMAL 3 PLC. | ±.005" | | |
| FRACTIONAL | ±1/64" | FRACTIONAL | ±1/16" |
| ANGLES | ±.5° | ANGLES | ±1° |

STATE OF NEW YORK — MARK R. POLLOCK — LICENSED PROFESSIONAL ENGINEER — No. 087158
11/15/18

COMMONWEALTH OF MASSACHUSETTS — SINCTR — JHONSON — No. 27831 — REGISTERED PROFESSIONAL ENGINEER

| CUST. APPRVD. | DATE |
|---|---|
| | |

PIPE SUPPORT DETAILS
SHEET 1

DWG. SIZE D
ISSUE A

| | | | |
|---|---|---|---|
| DRAWN | JHH/OTI | DATE | 21NOV2017 |
| CHECKED | | DATE | |
| APPRVD. | | DATE | |

0 ½" 1" AT TRUE SCALE
SCALE NOTED

OTI PROJECT NO. M17-1059
SHT 1 OF 1
DRAWING NO. PD002

DATE/TIME: Jan 15, 2018 ** 9:15am ** FILE: P:\2017\M17-1059 EPS Eng-Vionx\QMS Docs\Drawings - Models\PD002.dwg ** USER: jhh