

#### NOTES:

1. FRONT PLATE TO HAVE ALL EXTERNAL, UNPAINTED CARBON STEEL SURFACES PREPARED PER SSPC-SP 6 AND PRIMED WITH .75-.1.25 MILS DFT OF CARBOWELD 11 WB PER 394540-11.  
HEADERS TO HAVE ALL EXTERNAL, UNPAINTED CARBON STEEL SURFACES PREPARED PER SSPC-SP 6 AND PRIMED WITH .75-.1.25 MILS DFT OF CARBOWELD 11 WB PER 394540-11.  
SEE FORNEY DOCUMENT B10238-000-01 FOR BILL OF MATERIAL.
  2. SEE FORNEY DRAWING B10238-005-01 FOR P & I D.
  3. \* DENOTES SHIP LOOSE ITEMS TO BE FIELD INSTALLED BY FIELD ERECTOR.
  4. ALL DIMENSIONS ARE IN INCHES [MM].

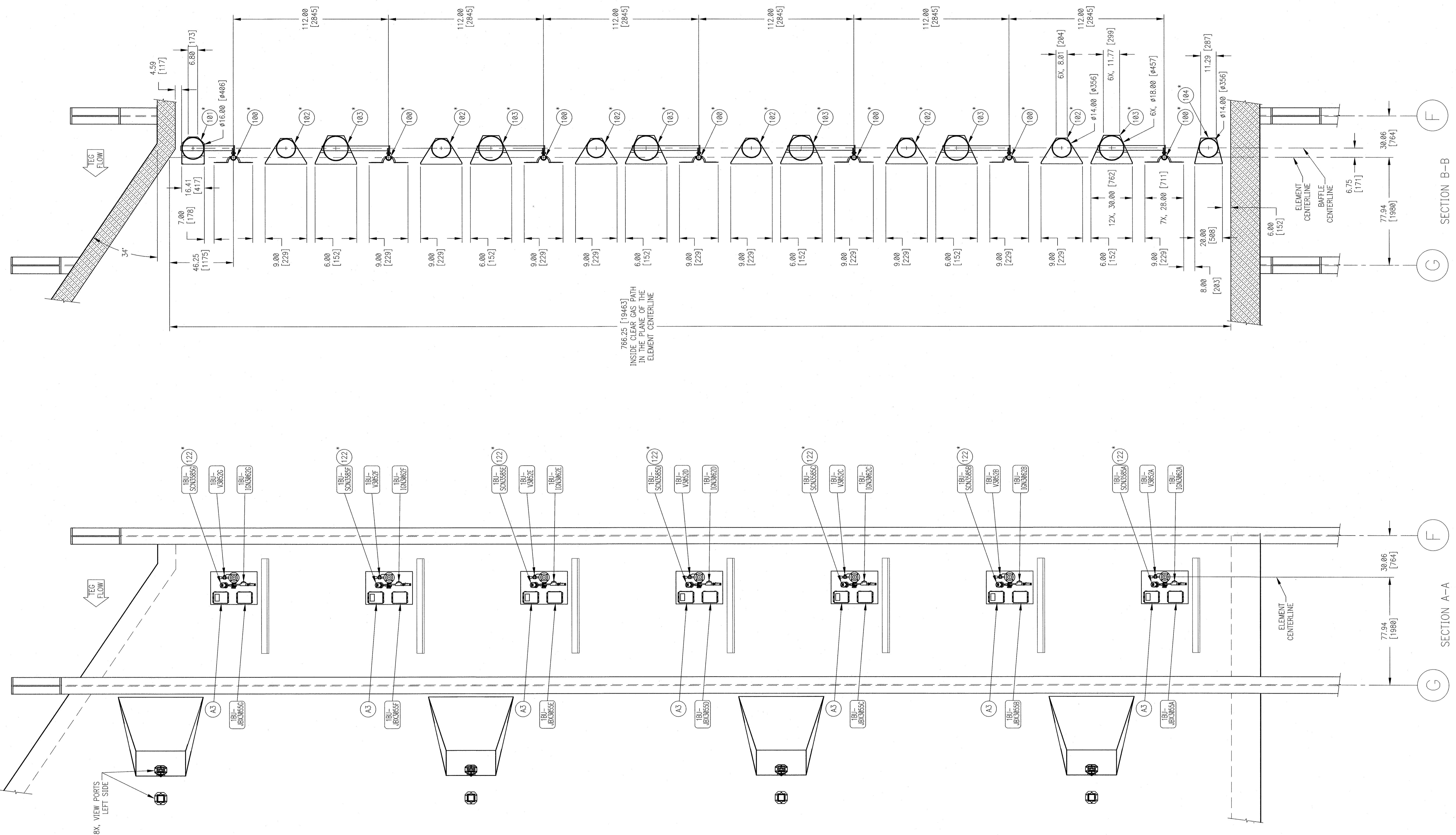
**VOGT POWER INTERNATIONAL**  
**V17494-BUXD-5000-04**  
**20-Apr-2016**

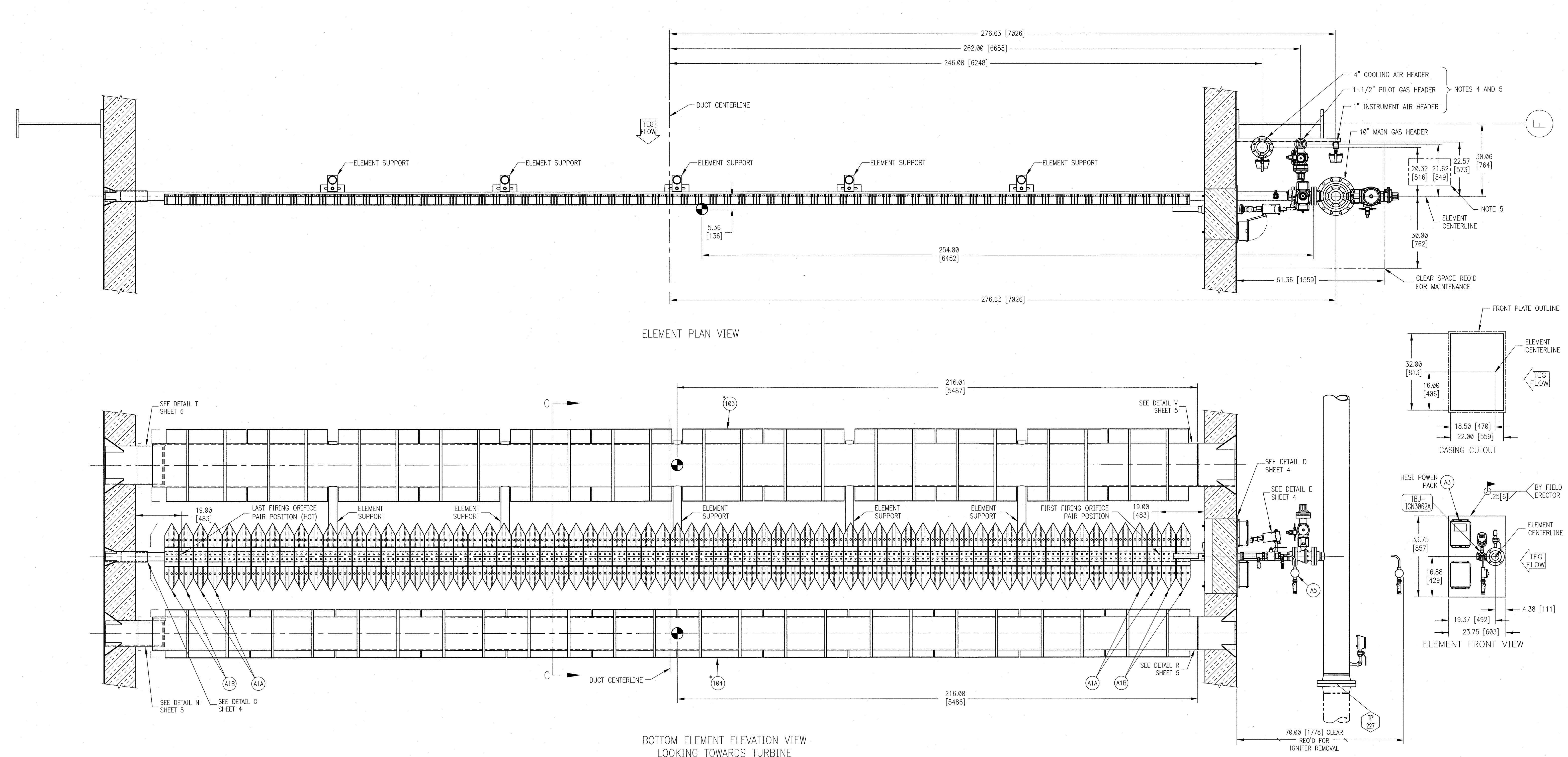
VOGT POWER INTERNATIONAL	
Released, Work May Proceed	
Bell, Milton	May-06-2016

VOGT POWER INTERNATIONAL	
Released, Work May Proceed	
Bell, Milton	May-06-2016

## AL ARRANGEMENT UCT BURNER LEMENT INSERTS

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CONTRACT 238	SCALE	SIZE	DRAWIN
	SHT 1 OF 7	D	B10238
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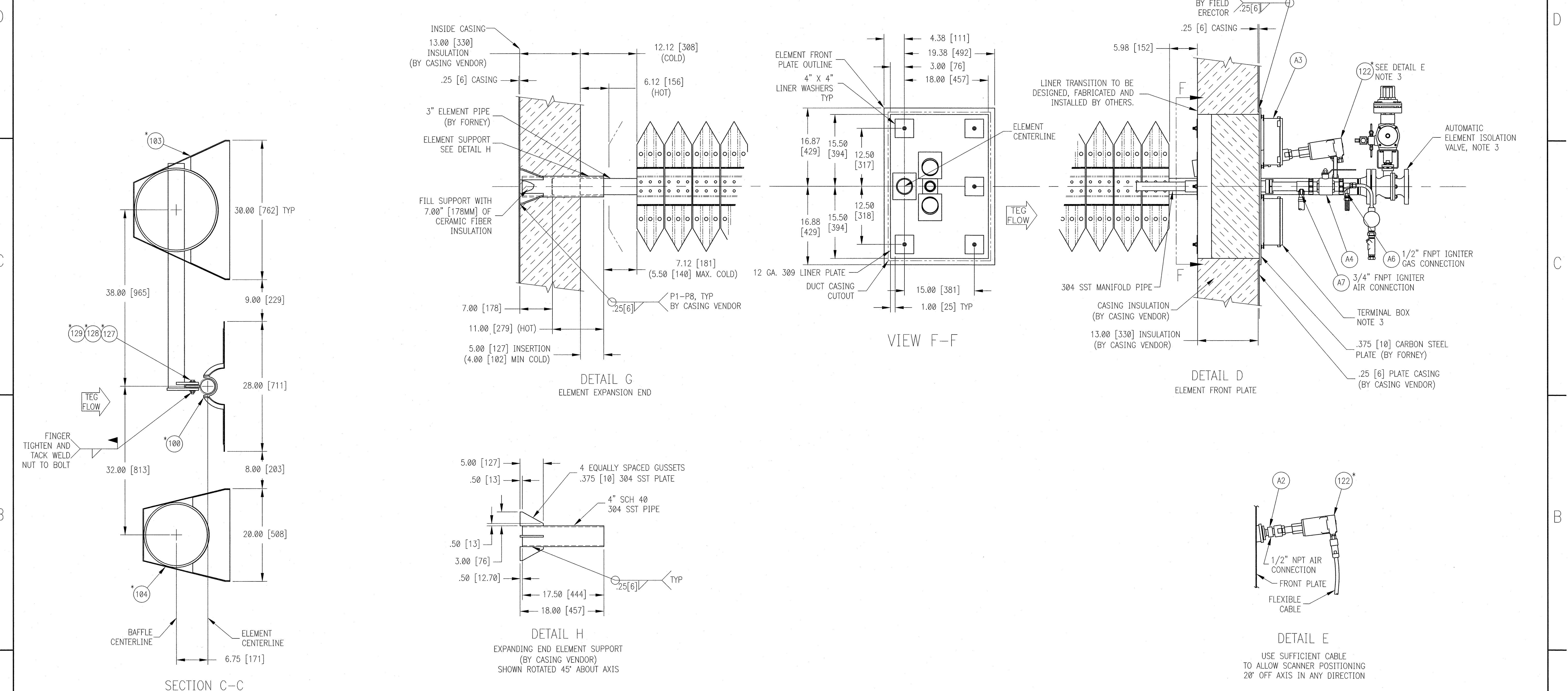




## NOTES:

- ALL DIMENSIONS ARE +/- .25" [6MM] UNLESS OTHERWISE STATED.
- DIMENSIONS ARE TYPICAL FOR ALL ELEMENTS.
- HESI TRANSFORMER BOX IS PRE INSTALLED ON THE ELEMENT FRONT PLATE. THE HESI IS FACTORY WIRED TO THE HESI TRANSFORMER. THE HESI TRANSFORMER BOX AND ELEMENT ISOLATION VALVE ARE FACTORY WIRED TO THE TERMINAL BOX. THE FLAME SCANNERS ARE SHIPPED LOOSE AND MUST BE FIELD INSTALLED AND WIRED. VENT VALVES ARE FACTORY INSTALLED ON THE HEADER ASSEMBLIES AND MUST BE FIELD WIRED. CONDUIT SHALL ENTER FROM BOTTOM OF ENCLOSURE.
- HEADER SUPPORTS ARE BY OTHERS.
- IGNITER GAS, COOLING AIR AND INSTRUMENT AIR HEADERS TO BE FIELD LOCATED IN AVAILABLE SPACE WITHIN 45" [1143 MM] OF ELEMENT CENTERLINE TO LIMIT FLEXIBLE HOSE LENGTHS TO 60" [1524 MM].
- CENTER OF GRAVITY (●) LOCATION IS WITHIN ±6".

E	4/19/16	RGS	MK	REVISED PER CUSTOMER COMMENTS, UPDATED TAGS	MIDDLETOWN PROJECT MIDDLETOWN, OH VPI PROJECT #: V17494 VPI PO #: V0009467	KINGS MOUNTAIN PROJECT KINGS MOUNTAIN, NC VPI PROJECT #: V17495 VPI PO #: TBD	USE ENGINEERING STANDARD 348394-01 FOR TOLERANCES ALL DIMENSIONS IN INCHES UNLESS OTHERWISE NOTED DO NOT SCALE THIS DRAWING CONFIDENTIAL - This drawing is the confidential and proprietary copyrighted property of Forney Corporation, 3405 Wiley Post Road, Carrollton, Texas USA 75006. All information contained herein is confidential and shall not be reproduced, copied, lent, or disclosed without the written permission of Forney Corporation.	TITLE GENERAL ARRANGEMENT DUCT BURNER GAS ELEMENT INSERTS	FORNEY CORPORATION B10238	Forney Corporation Copyright © 2001 by Forney Corporation. All rights reserved. SCALE SIZE DRAWING NUMBER REV SHT 3 OF 7 D B10238-020-01 E
A	11/4/15	RLS	MK	WM	INITIAL SUBMITTAL					
REV	DATE	DR	ENG	RWD	DESCRIPTION					



## NOTES:

- ALL DIMENSIONS ARE +/- .25" [6MM] UNLESS OTHERWISE STATED.
- DIMENSIONS ARE TYPICAL FOR ALL ELEMENTS.
- THE TERMINAL BOX AND HESI TRANSFORMER BOX ARE PRE INSTALLED ON THE ELEMENT FRONT PLATE. THE HESI IS FACTORY WIRED TO THE HESI TRANSFORMER. THE HESI POWER PACK AND ELEMENT ISOLATION VALVE ARE FACTORY WIRED TO THE TERMINAL BOX. THE FLAME SCANNER IS SHIPPED LOOSE AND MUST BE WIRED TO THE TERMINAL BOX AFTER INSTALLATION.

E	4/19/16	RK	MK	MW	REVISED PER CUSTOMER COMMENTS, UPDATED TAGS
A	11/4/15	RLS	MK	WM	INITIAL SUBMITTAL
REV	DATE	DR	ENG	RWD	DESCRIPTION

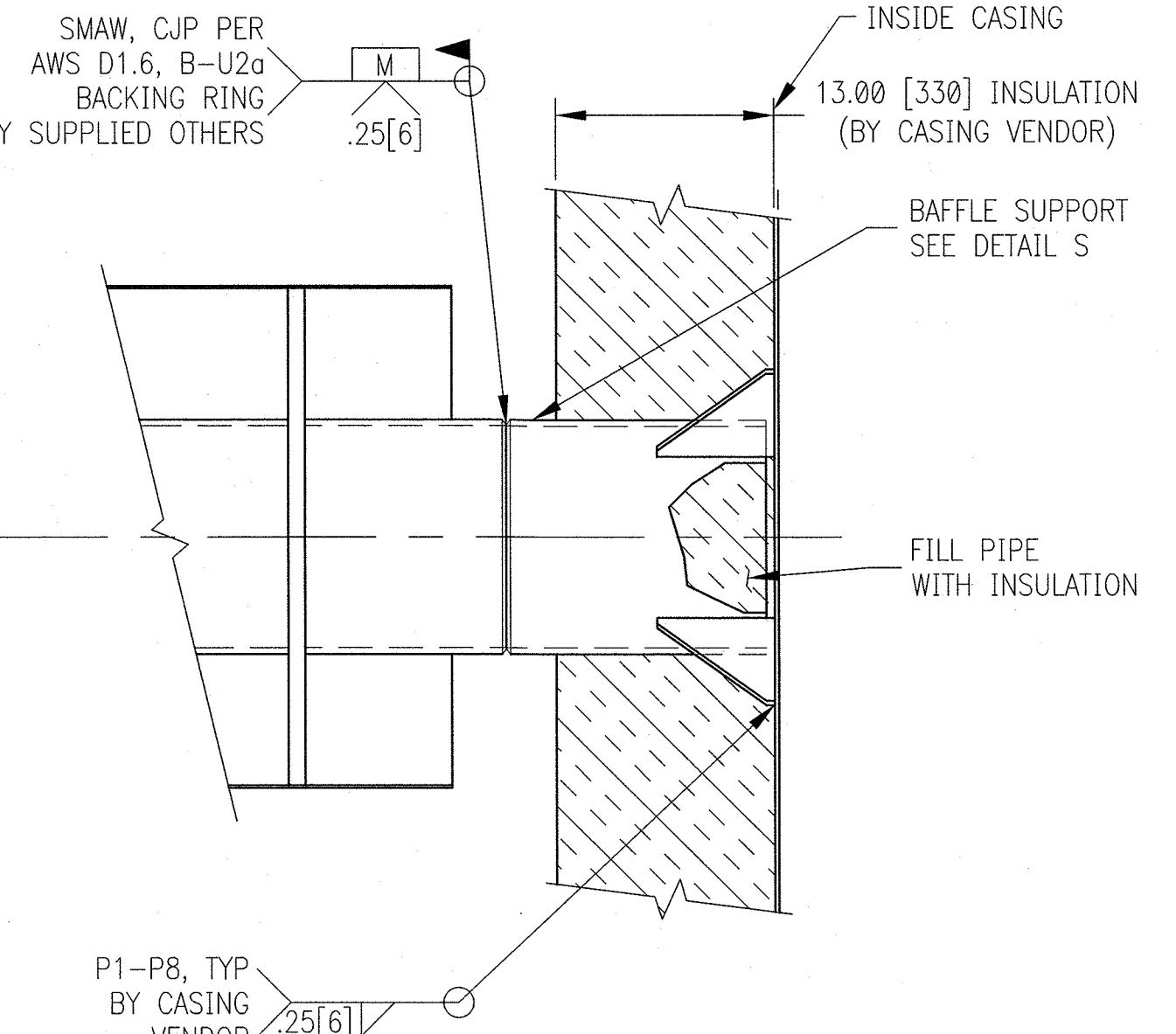
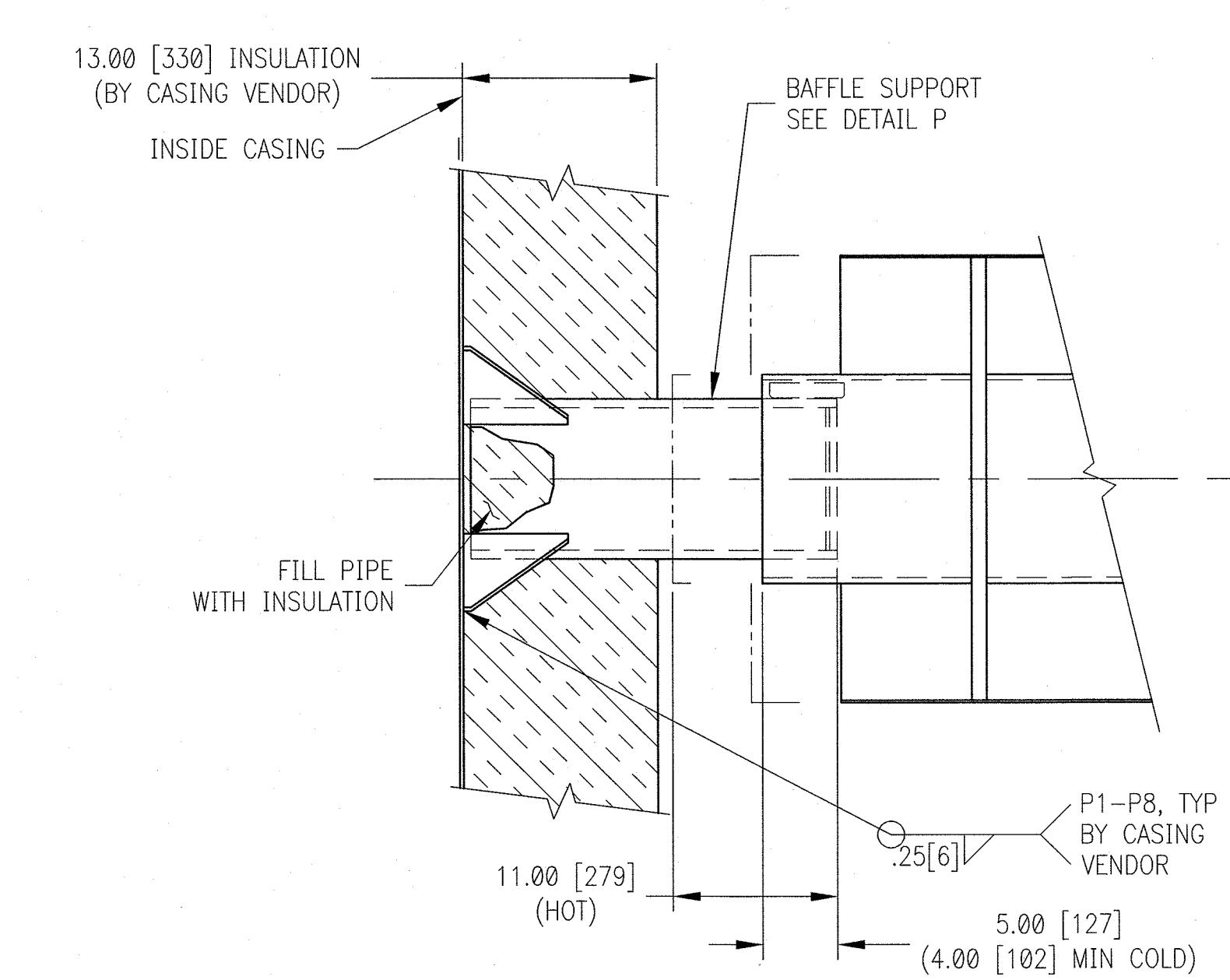
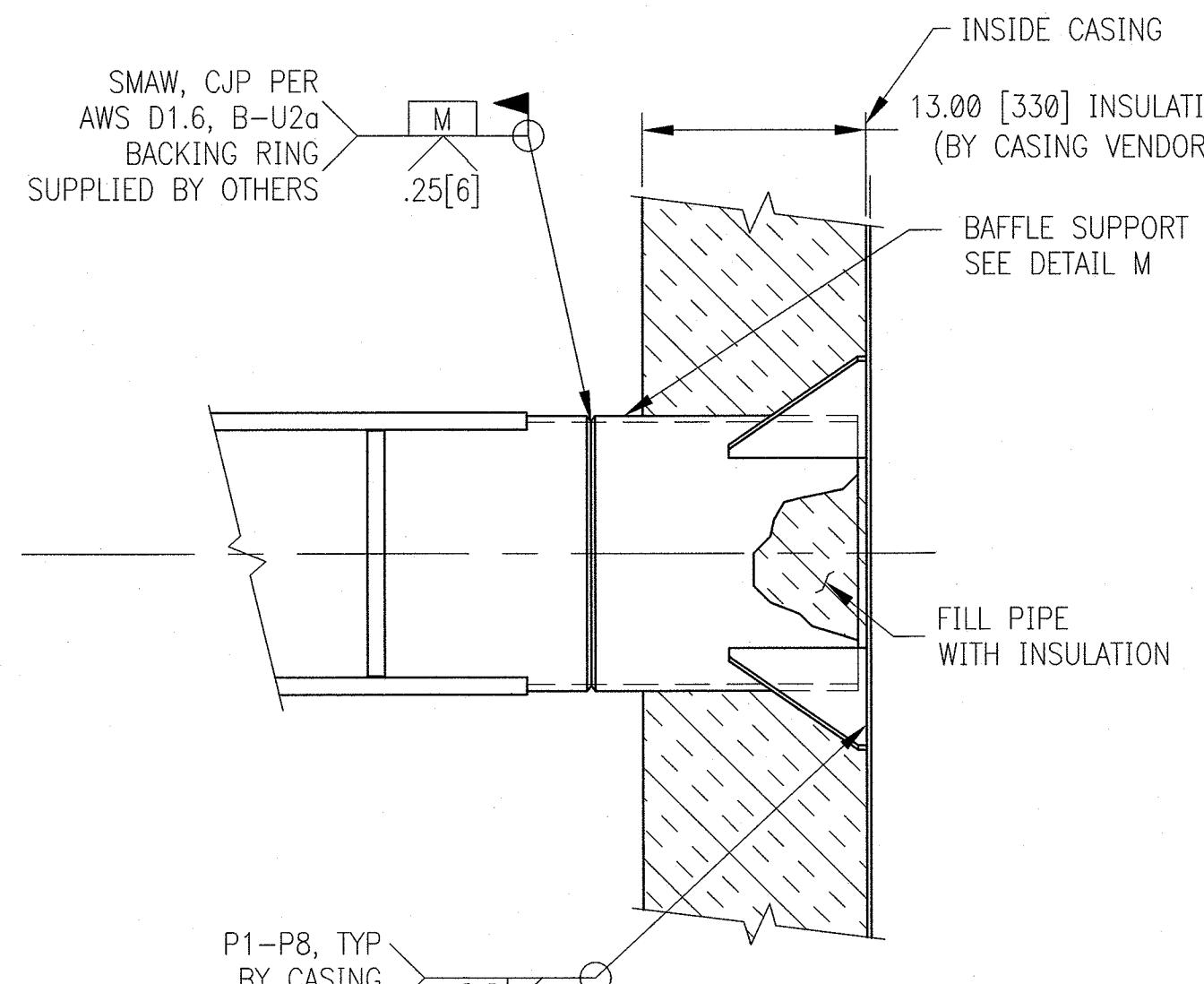
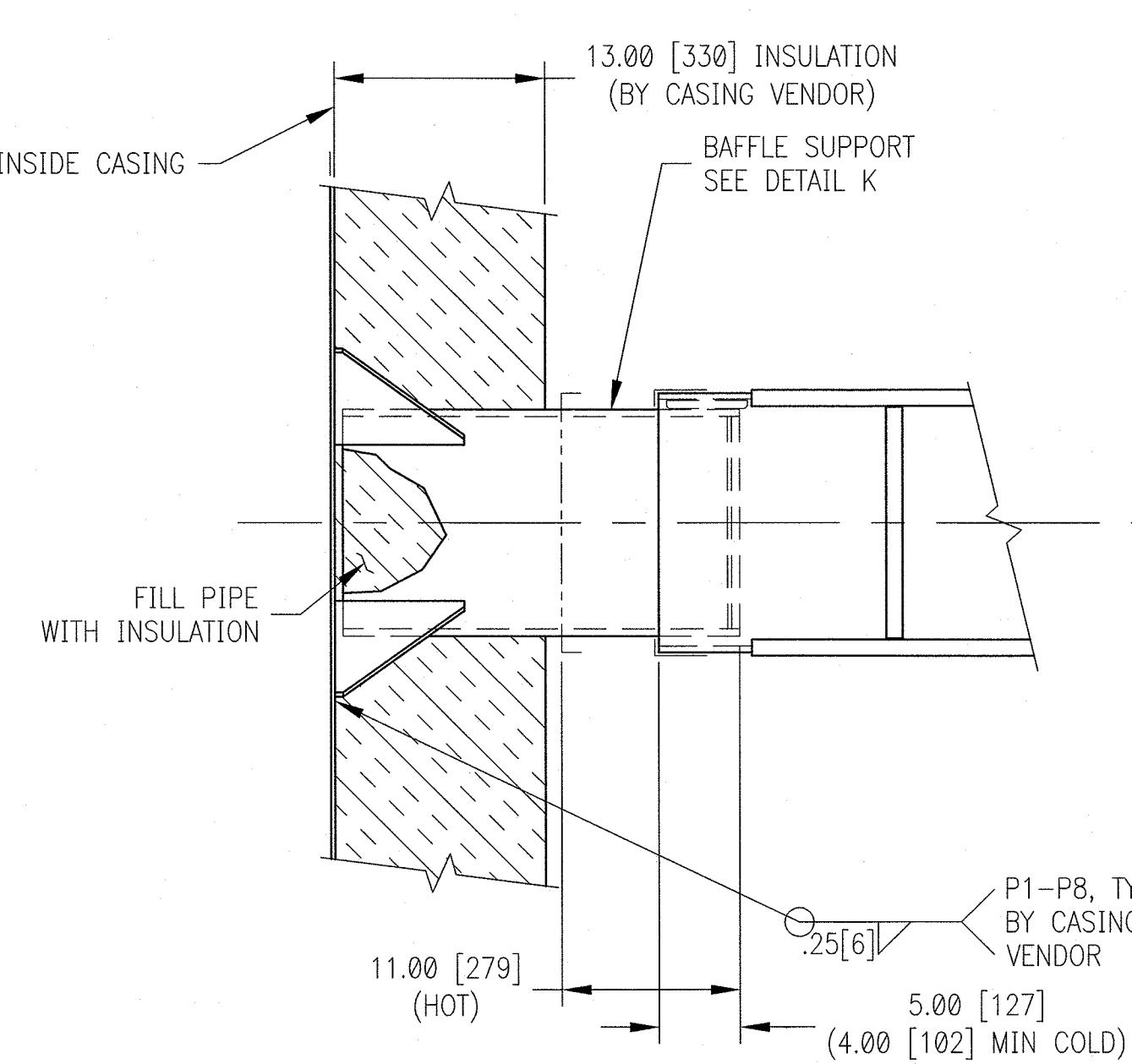
MIDDLETOWN PROJECT  
MIDDLETOWN, OH  
VPI PROJECT #: V17494  
VPI PO #: V0009467

KINGS MOUNTAIN PROJECT  
KINGS MOUNTAIN, NC  
VPI PROJECT #: V17495  
VPI PO #: TBD

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TITLE  
GENERAL ARRANGEMENT  
DUCT BURNER  
GAS ELEMENT INSERTS

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CONTRACT B10238  
SCALE  
SIZE  
DRAWING NUMBER D B10238-020-01  
REV E  
FORM 600086-20, REV D

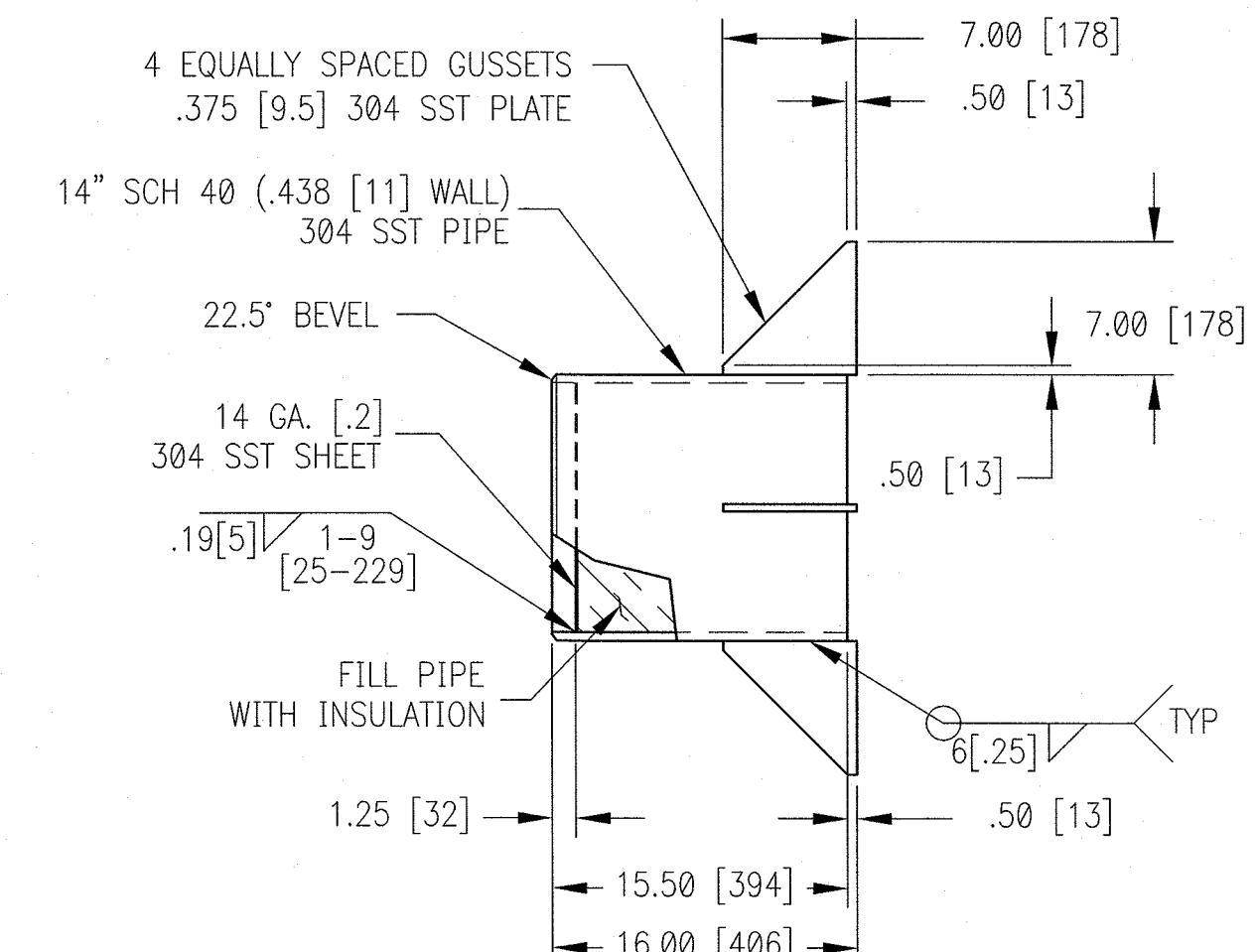
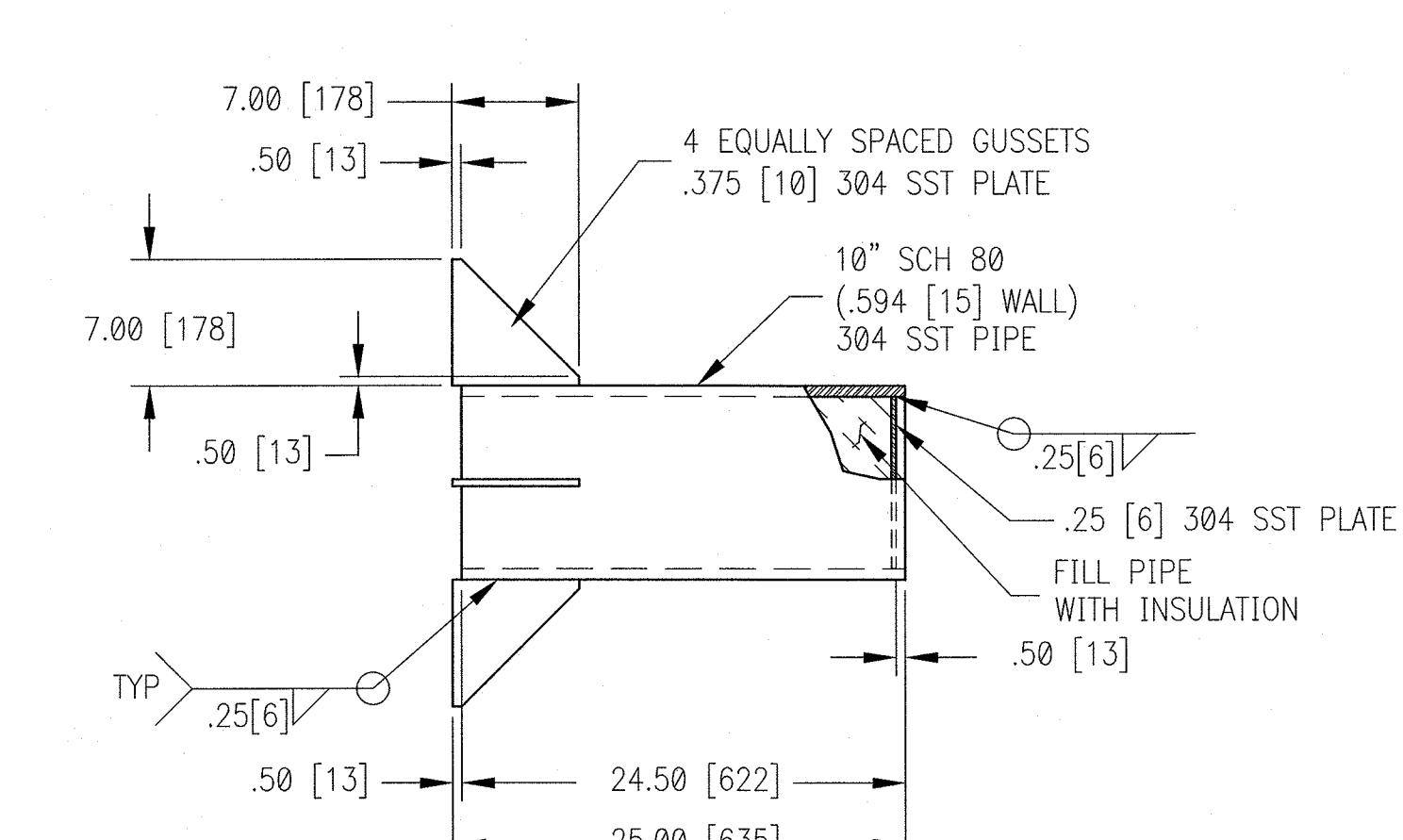
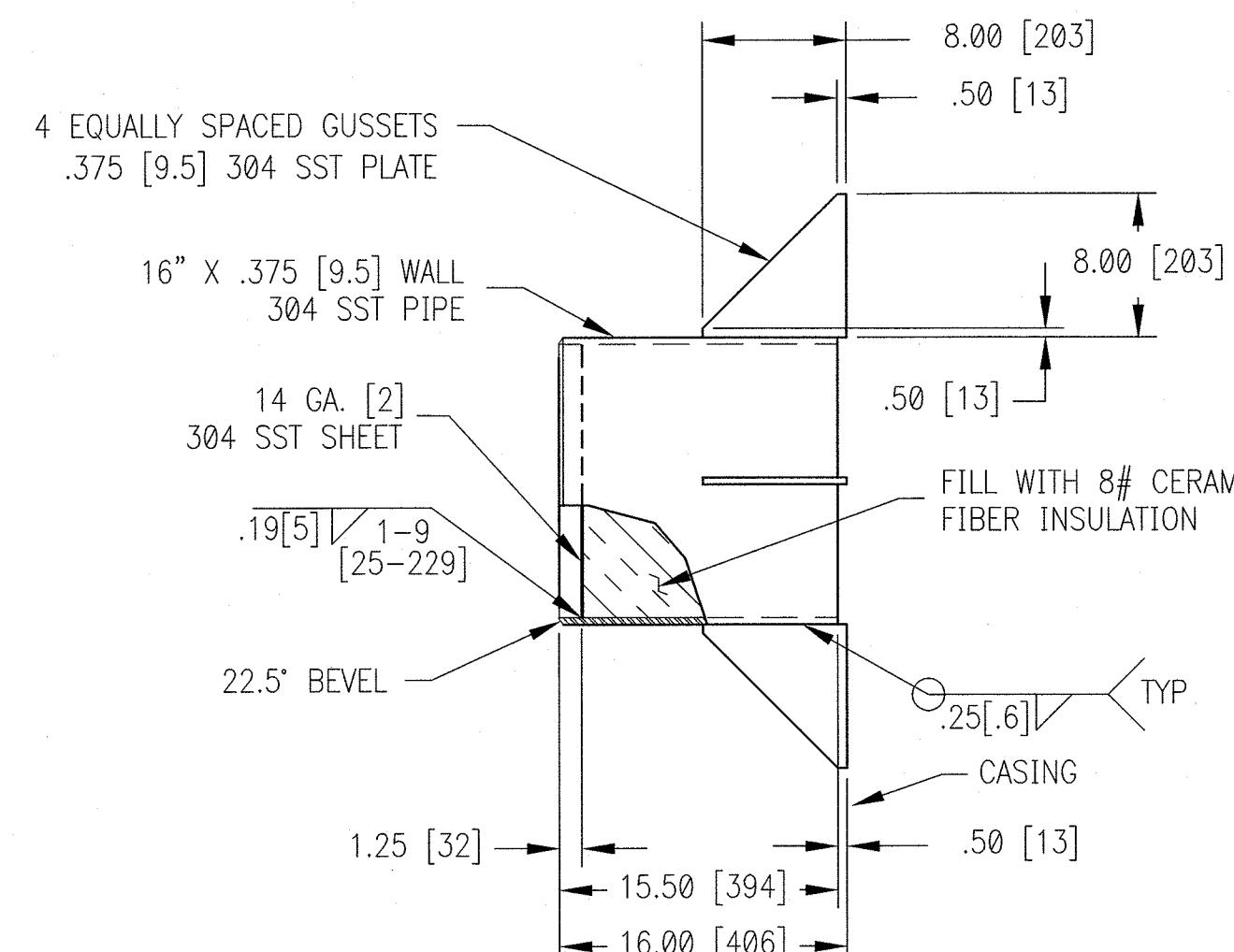
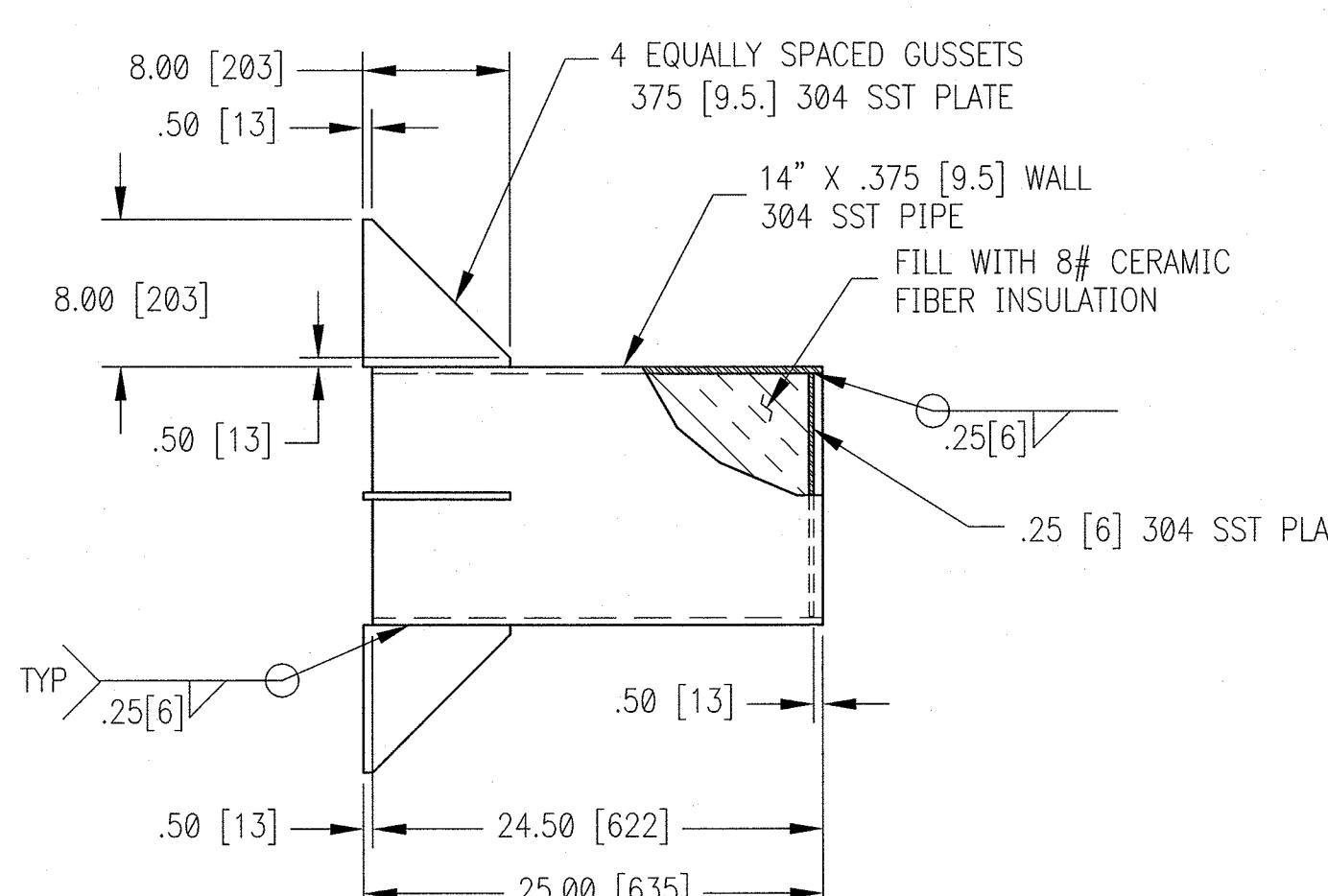


**DETAIL J**  
TOP SUPPORTING BAFFLE  
EXPANSION END  
LOOKING UPSTREAM TOWARDS TURBINE

**DETAIL L**  
TOP SUPPORTING BAFFLE  
FIXED END  
LOOKING UPSTREAM TOWARDS TURBINE

**DETAIL N**  
NON-SUPPORTING BAFFLE  
EXPANSION END  
LOOKING UPSTREAM TOWARDS TURBINE

**DETAIL R**  
NON-SUPPORTING BAFFLE  
FIXED END  
LOOKING UPSTREAM TOWARDS TURBINE



**DETAIL K**  
EXPANSION END BAFFLE SUPPORT  
(BY CASING VENDOR)  
SHOWN ROTATED 45° ABOUT AXIS

**DETAIL M**  
FIXED END BAFFLE SUPPORT  
(BY CASING VENDOR)  
SHOWN ROTATED 45° ABOUT AXIS

**DETAIL P**  
EXPANSION END BAFFLE SUPPORT  
(BY CASING VENDOR)  
SHOWN ROTATED 45° ABOUT AXIS

**DETAIL S**  
FIXED END BAFFLE SUPPORT  
(BY CASING VENDOR)  
SHOWN ROTATED 45° ABOUT AXIS

E	4/19/16	R28	MK	rdm	REVISED PER CUSTOMER COMMENTS, UPDATED TAGS
A	11/4/15	RLS	MK	WM	INITIAL SUBMITTAL
REV	DATE	DR	ENG	RWD	DESCRIPTION

MIDDLETOWN PROJECT  
MIDDLETOWN, OH  
VPI PROJECT #: V17494  
VPI PO #: V0009467

KINGS MOUNTAIN PROJECT  
KINGS MOUNTAIN, NC  
VPI PROJECT #: V17495  
VPI PO #: TBD

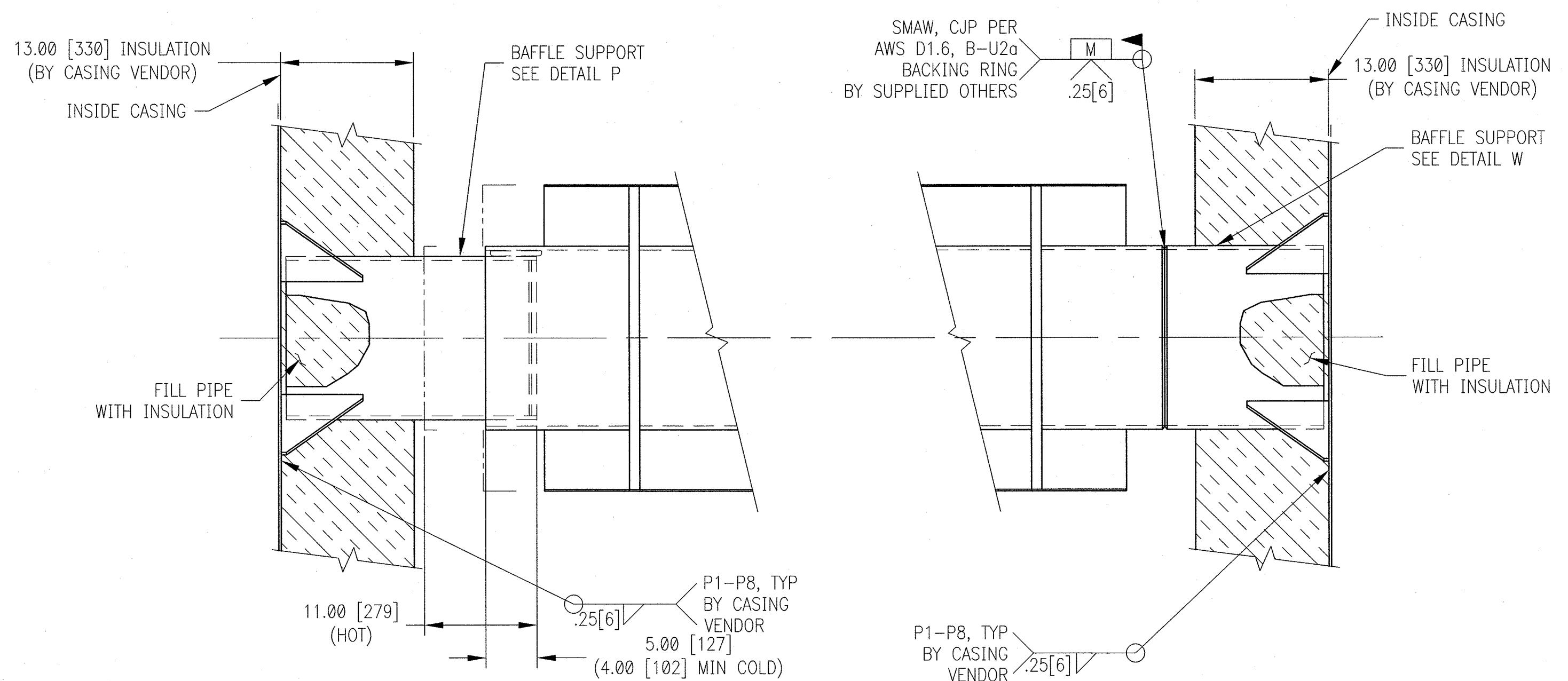
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TITLE  
GENERAL ARRANGEMENT  
DUCT BURNER  
GAS ELEMENT INSERTS

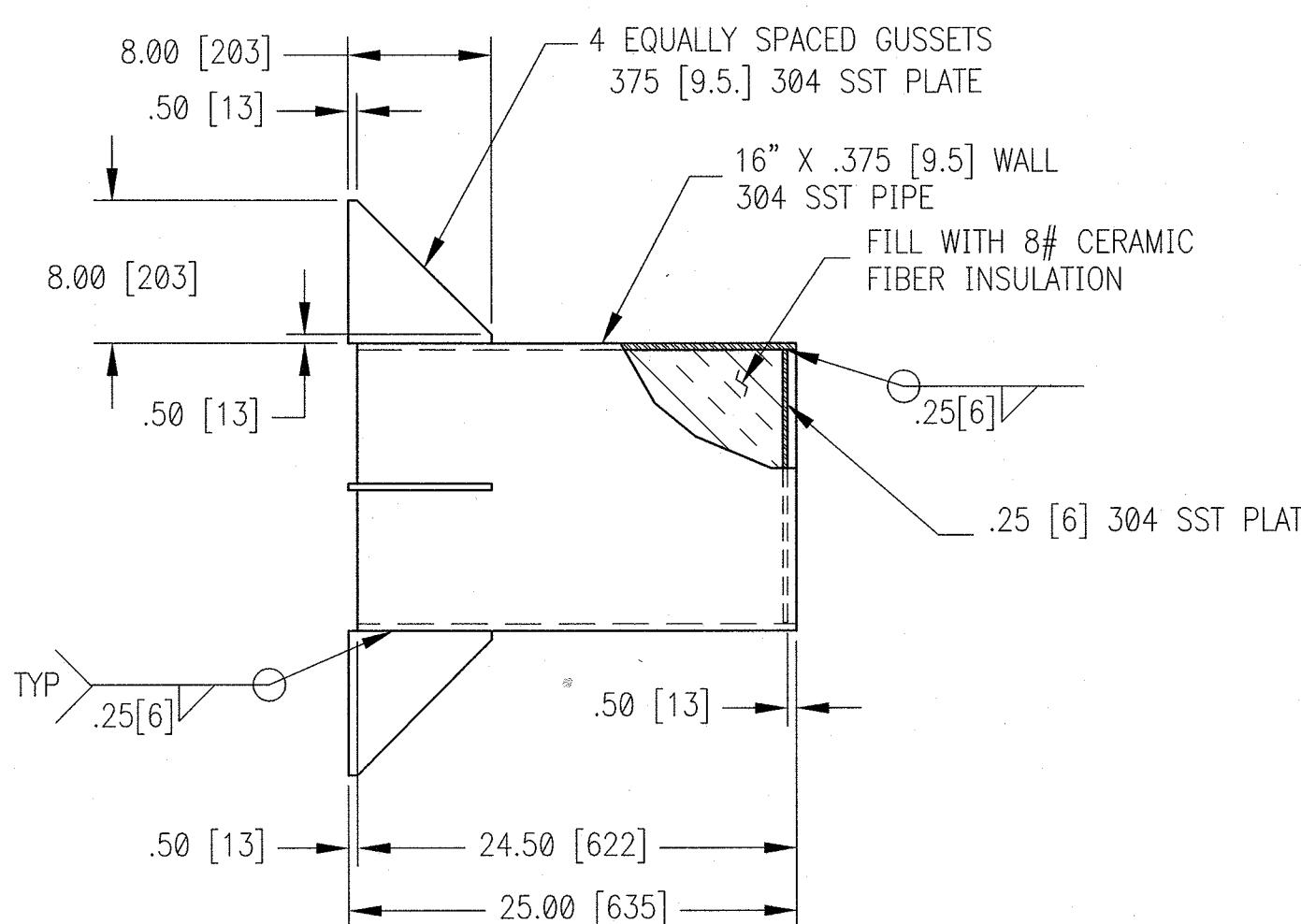
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CONTRACT B10238  
SCALE 1:1  
SIZE 11x17  
DRAWING NUMBER D B10238-020-01  
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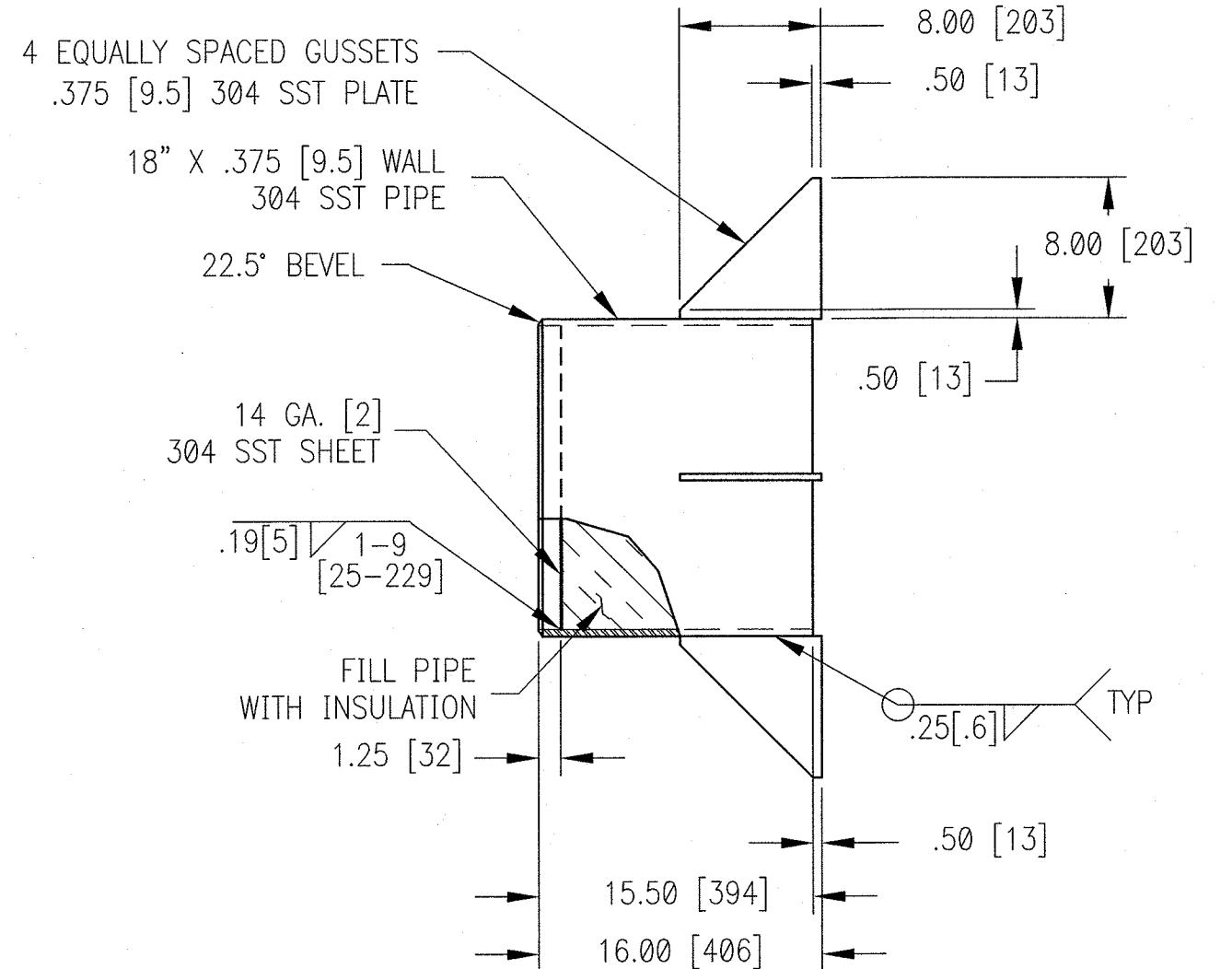


**DETAIL T**  
SUPPORTING BAFFLE  
EXPANSION END  
LOOKING UPSTREAM TOWARDS TURBINE



**DETAIL U**  
EXPANSION END BAFFLE SUPPORT  
(BY CASING VENDOR)  
SHOWN ROTATED 45° ABOUT AXIS

**DETAIL V**  
SUPPORTING BAFFLE  
FIXED END  
LOOKING UPSTREAM TOWARDS TURBINE



**DETAIL W**  
FIXED END BAFFLE SUPPORT  
(BY CASING VENDOR)  
SHOWN ROTATED 45° ABOUT AXIS

E	4/19/16	RLS	MK	MN	REVISED PER CUSTOMER COMMENTS, UPDATED TAGS
A	11/4/15	RLS	MK	WM	INITIAL SUBMITTAL
REV	DATE	DR	ENG	RWD	DESCRIPTION

MIDDLETON PROJECT  
MIDDLETON, OH  
VPI PROJECT #: V17494  
VPI PO #: V0009467

KINGS MOUNTAIN PROJECT  
KINGS MOUNTAIN, NC  
VPI PROJECT #: V17495  
VPI PO #: TBD

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TITLE  
GENERAL ARRANGEMENT  
DUCT BURNER  
GAS ELEMENT INSERTS

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CONTRACT B10238  
SCALE 1:1  
SIZE 11x17  
DRAWING NUMBER D B10238-020-01  
REV E  
FORM 600886-28, REV D  
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REV

DATE

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ENG

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REVISED PER CUSTOMER COMMENTS, UPDATED TAGS

DESCRIPTION

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1

IGNITER GAS HEADER VENT CONNECTION  
3/4" 150# RF CARBON STEEL FLANGE (GASKET, STUDS AND NUTS BY OTHERS)

MAIN GAS HEADER VENT CONNECTION  
4" 150# RF CARBON STEEL FLANGE (GASKET, STUDS AND NUTS BY OTHERS)

ELEMENT GAS CONNECTION

IGNITER GAS HEADER VENT CONNECTION  
3/4" 150# RF CARBON STEEL FLANGE (GASKET, STUDS AND NUTS BY OTHERS)

ELEMENT GAS CONNECTION

IGNITER GAS HEADER VENT CONNECTION  
3/4" 150# RF CARBON STEEL FLANGE (GASKET, STUDS AND NUTS BY OTHERS)

ELEMENT GAS CONNECTION

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IGNITER GAS HEADER VENT CONNECTION  
3/4" 150# RF CARBON STEEL FLANGE (GASKET, STUDS AND NUTS BY OTHERS)

ELEMENT GAS CONNECTION

IGNITER GAS HEADER

