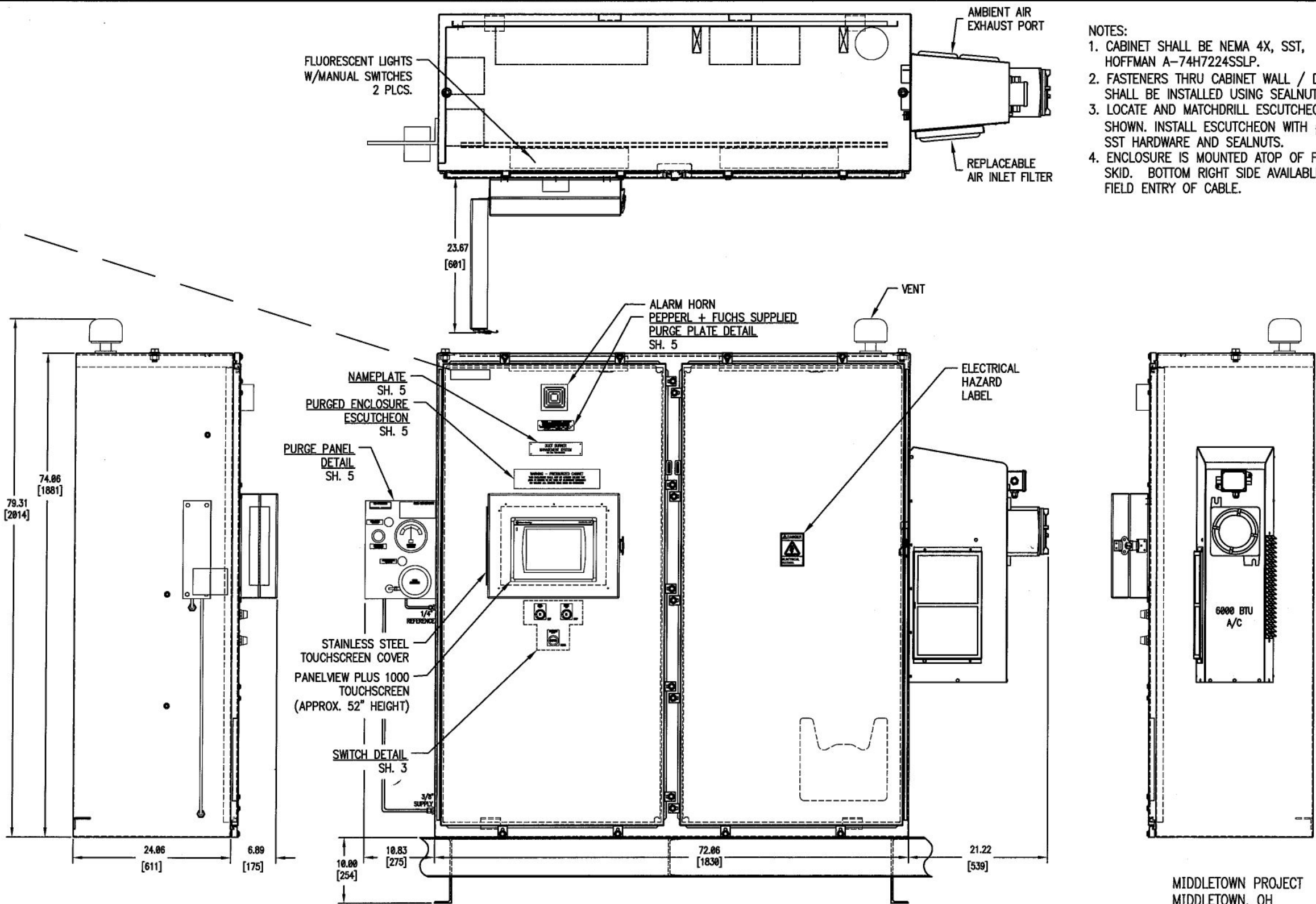


TABULATION	
DASH	DESCRIPTION
-01	CABINET ASSEMBLY
-02	ESCUTCHEON ENGRAVING



VOGT POWER INTERNATIONAL	
Released, Work May Proceed	
Bell, Milton	Aug-29-2016


VOGT POWER INTERNATIONAL  
V17494-BUXD-5004-05  
25-Aug-2016



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

KINGS MOUNTAIN PROJECT  
KINGS MOUNTAIN, NC  
VPI PROJECT #: V17495  
VPI PO #: V0009986

AUG 24 2016

RFP					VPI PROJECT #: V17495 VPI PO #: V0009986																		
F	8/18/16	JH	CJ	CGS	REVISED PER AS BUILT ECO 73350	SEE FORNEY CORPORATION STANDARD 348384-01 FOR TOLERANCES. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.		TITLE CAB/ENCLOSURE CABINET ASSEMBLY BURNER MANAGEMENT SYSTEM			 Forney Corporation												
A	11/18/15	JH	CJ	CGS	FIRST SUBMITTAL	THIS DOCUMENT IS THE PROPRIETARY PROPERTY OF FORNEY CORPORATION. ALL INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND SHALL NOT BE REPRODUCED, COPIED, LENT, OR DISCLOSED WITHOUT THE WRITTEN PERMISSION OF FORNEY CORPORATION.								CONTRACT B10238		SCALE N/A		SIZE B		DRAWING NUMBER B10238-060-00		REV F	
REV	DATE	DR	ENG	RWD	DESCRIPTION									SHEET 1 OF 5									

CONTROLOGIX CONTROLLER  
W/ ETHERNET IP TO DCS

ETHERNET SWITCH  
W/ REDUNDANT FIBER  
OPTIC ST CONNECTORS

24VDC@25A  
POWER SUPPLIES  
DIODE BRIDGE  
DUAL SETPOINT  
TEMPERATURE SWITCH

GFCI RECEPTACLE

SEE DETAIL D  
SH. 4

SEE DETAIL E  
SH. 4

SEE DETAIL F  
SH. 4

110 UNMARKED  
TERMINAL BLOCKS

# NOTES:

- INTERNAL PANEL IS FINISHED WHITE.
- REFERENCE B10238-070-01 FOR SCHEMATIC.
- AREA FOR GROUND BUSBAR TO BE FREE OF ALL PAINT.
- RELAYS -
  - MFT - 24VDC, SAFETY RELAY, 7 N.O./1 N.C.
  - HESI - 24VDC, 4P CONVERTIBLE CONTACT
  - MBY - 24VDC, 8P CONVERTIBLE CONTACT
  - WDON - 24VDC, ON DELAY TIMER
  - WDOFF - 24VDC, OFF DELAY TIMER

SEE DETAIL C  
SH. 3

950W HEATER  
W/BUILT-IN  
THERMOSTAT

SEE DETAIL A  
SH. 3

GROUND BUSBAR -  
SEE NOTE 3

RFP

F	8/18/16	TJH	CJ	BKE	REVISED PER AS BUILT ECO 73350
A	11/18/15	JH	CJ	CGS	FIRST SUBMITTAL
REV	DATE	DR	ENG	RWID	DESCRIPTION

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TITLE  
CAB/ENCLOSURE  
CABINET ASSEMBLY  
BURNER MANAGEMENT SYSTEM

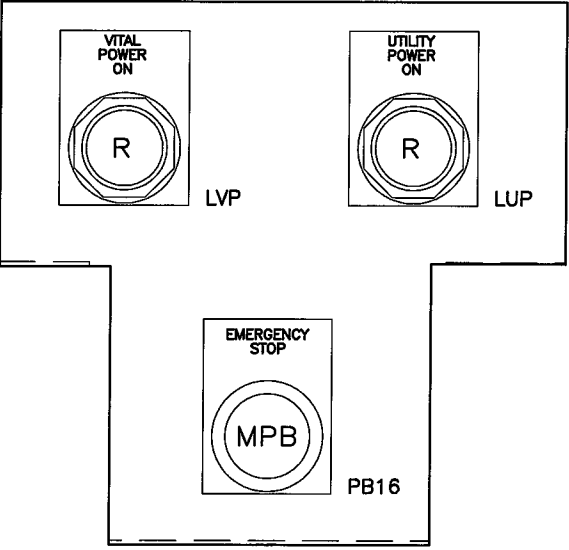
**FORNEY**®  
Forney Corporation

CONTRACT  
B10238

SCALE  
N/A  
SHT 2 OF 5

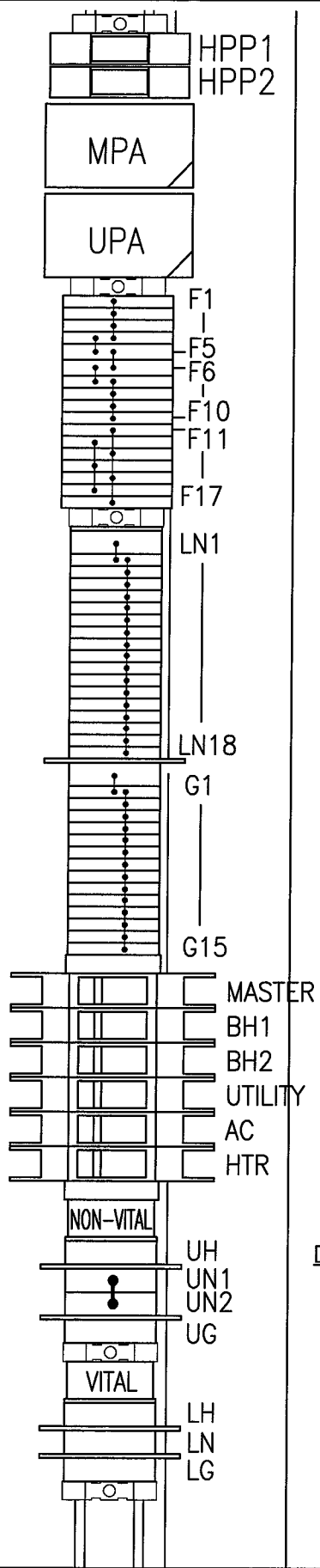
SIZE  
DRAWING NUMBER  
B B10238-060-00  
REV  
F

- NOTES:
1. ALL RELAYS ARE 24VDC, DPDT EXCEPT THE FOLLOWING:  
AR77-AR80 - 120VAC, 3PDT  
HPP1, HPP2 - 120VAC, SPDT  
MPA, UPA - 120VAC, DPDT
  2. CIRCUIT BREAKER VALUES ARE AS FOLLOWS:  
MASTER - 40A  
BH1, BH2, AC, HTR - 10A  
UTILITY - 13A
  3. INCOMING POWER TERMINALS ARE PHOENIX UT10.  
REMAINING TERMINALS ARE PHOENIX UT4.
  4. FUSEBLOCKS  
F5, F6 ARE PHOENIX UT-6HESI FUSEBLOCK WITH  
BLOWN FUSE INDICATION. ALL OTHERS ARE PHOENIX  
UT4-HESI FUSEBLOCK WITH BLOWN FUSE INDICATION.  
INTERNAL FUSES F5, F6 ARE TYPE AGC, ALL OTHERS  
ARE TYPE GMA. INSTALL FUSES PER SCHEMATIC.



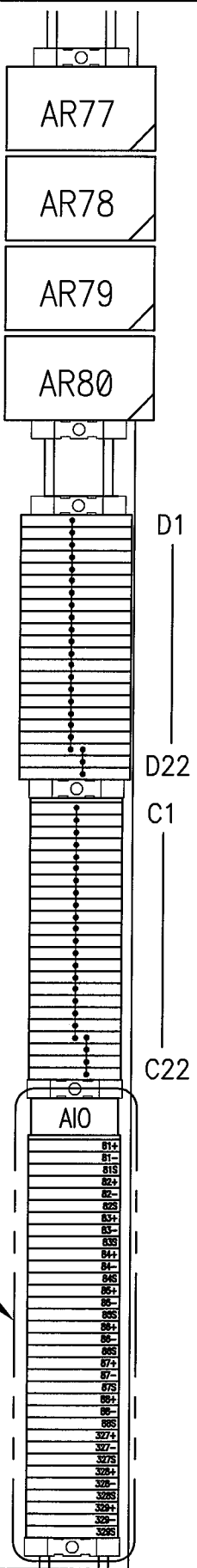
SWITCH DETAIL

LEGEND  
R - RED 120VAC TRANSFORMER TYPE  
MPB - RED MUSHROOM PUSH-PULL



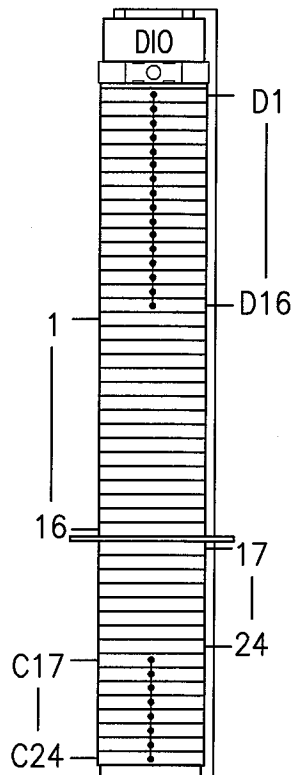
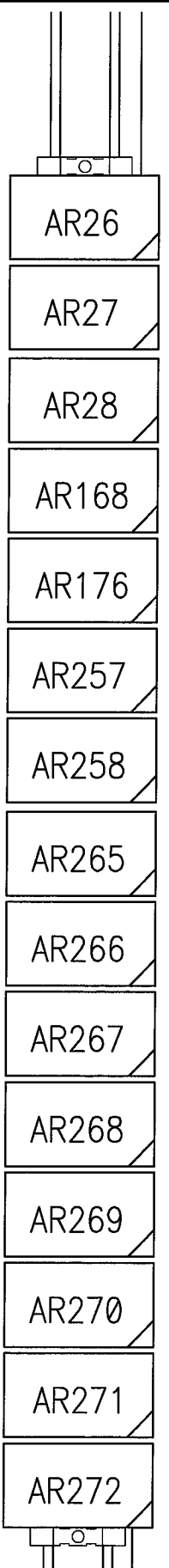
3 X 4 WIRE DUCT - FORNEY

SEE  
DETAIL B

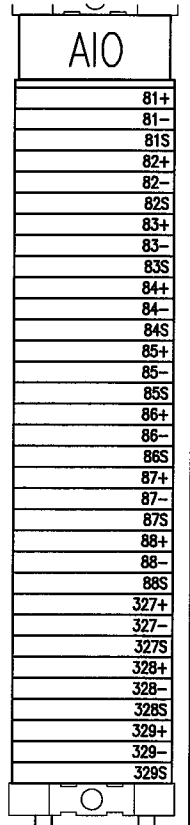


4 X 4 WIRE DUCT - FIELD

DETAIL A



DETAIL C



DETAIL B

RFP					
F	8/18/16	TJH	CJ	BKE	REVISED PER AS BUILT ECO 73350
A	11/18/15	TJH	CJ	CGS	FIRST SUBMITTAL
REV	DATE	DR	ENG	RYWD	DESCRIPTION

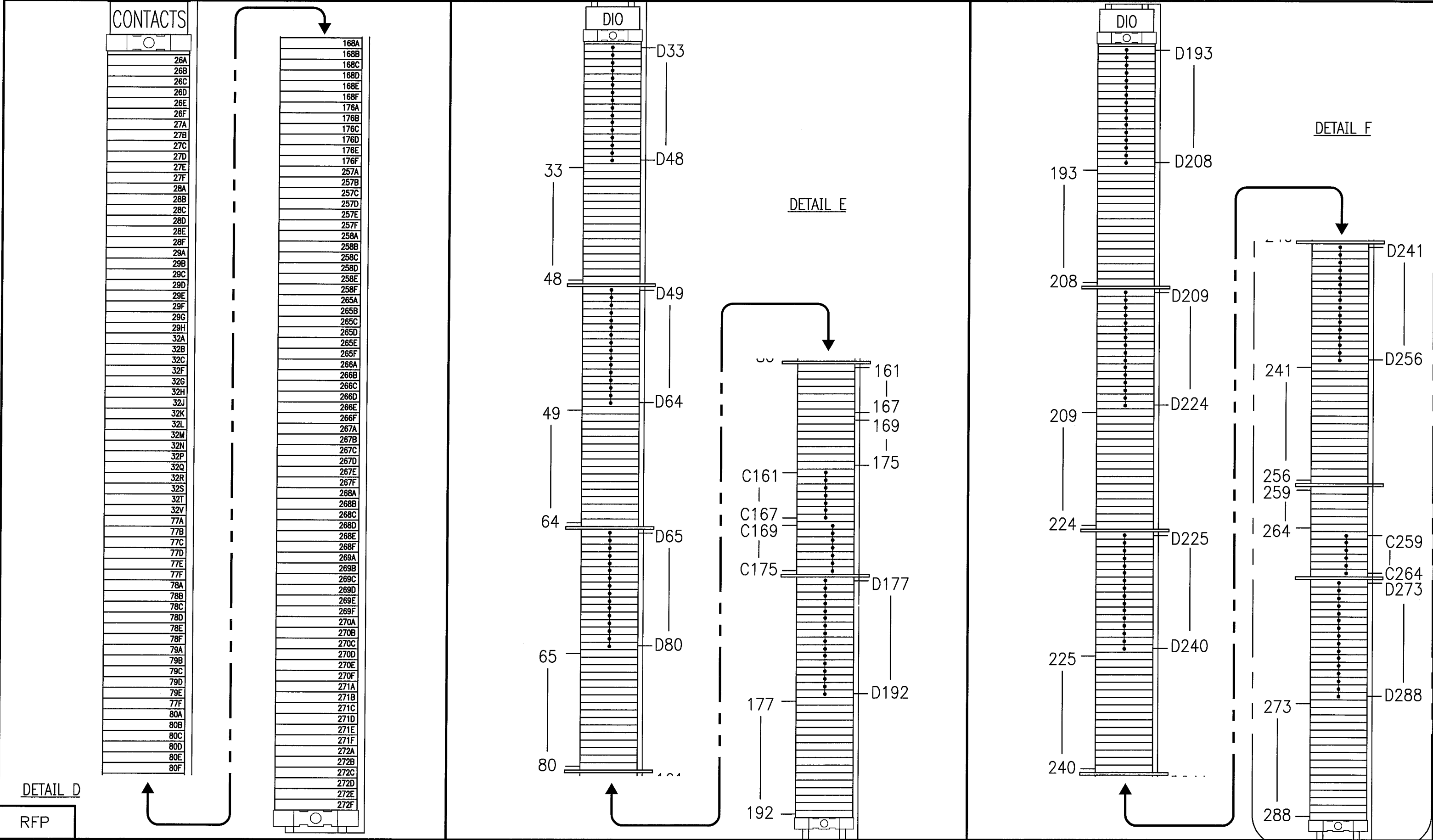
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TITLE  
CAB/ENCLOSURE  
CABINET ASSEMBLY  
BURNER MANAGEMENT SYSTEM

Forney Corporation

CONTRACT B10238	SCALE N/A	SIZE B	DRAWING NUMBER B10238-060-00	REV F
SHT 3 OF 5				



RFP

F	8/18/16	TJH	CJ	BKE
A	11/18/15	JH	CJ	CGS
REV	DATE	DR	ENG	RYND

REVISED PER AS BUILT ECO 73350
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TITLE  
CAB/ENCLOSURE  
CABINET ASSEMBLY  
BURNER MANAGEMENT SYSTEM

CONTRACT B10238		SCALE N/A	SIZE B	DRAWING NUMBER B10238-060-00	REV F
SHT 4 OF 5					

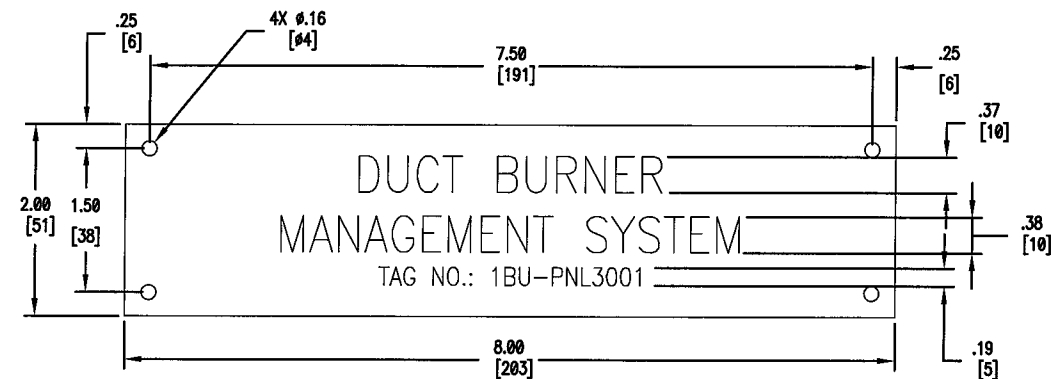
THIS ENCLOSURE SHALL NOT BE OPENED UNLESS THE AREA IS KNOWN TO BE FREE OF FLAMMABLE MATERIALS OR UNLESS ALL DEVICES HAVE BEEN DE-ENERGIZED. POWER SHALL NOT BE RESTORED AFTER ENCLOSURE HAS BEEN OPENED UNTIL ENCLOSURE HAS BEEN PURGED IN ACCORDANCE WITH THE PURGE SYSTEM START-UP INSTRUCTION.

N/A

TEMPERATURE CODE

PEPPERL + FUCHS, INC. 1600 ENTERPRISE PARKWAY TWINSBURG, OH 44087

PEPPERL + FUCHS SUPPLIED PLATE



NAMEPLATE

FORNEY CORPORATION  
CABINET ASSEMBLY - B10238-060-00  
ELECTRICAL SCHEMATIC - B10238-070-01  
ALL WIRING SHALL USE COPPER  
CONDUCTORS ONLY, 90 DEGREE C.  
FUSE REPLACEMENT DATA

FUSE ID NUMBER	VOLTAGE RATING	CURRENT RATING	SIZE	COMPOSITION	FUSE ACTION
F1	250V	4 AMP	5 x 20 mm	GLASS	NON-TIME DELAY
F2	250V	4 AMP	5 x 20 mm	GLASS	NON-TIME DELAY
F3	250V	4 AMP	5 x 20 mm	GLASS	NON-TIME DELAY
F4	250V	4 AMP	5 x 20 mm	GLASS	NON-TIME DELAY
F5	250V	10 AMP	6.3 x 32 mm	GLASS	NON-TIME DELAY
F6	250V	10 AMP	6.3 x 32 mm	GLASS	NON-TIME DELAY
F7	250V	4 AMP	5 x 20 mm	GLASS	NON-TIME DELAY
F8	250V	4 AMP	5 x 20 mm	GLASS	NON-TIME DELAY
F9	250V	2 AMP	5 x 20 mm	GLASS	NON-TIME DELAY
F10	250V	2 AMP	5 x 20 mm	GLASS	NON-TIME DELAY
F11	250V	2 AMP	5 x 20 mm	GLASS	NON-TIME DELAY
F12	250V	2 AMP	5 x 20 mm	GLASS	NON-TIME DELAY
F13	250V	2 AMP	5 x 20 mm	GLASS	NON-TIME DELAY
F14	250V	2 AMP	5 x 20 mm	GLASS	NON-TIME DELAY
F15	250V	2 AMP	5 x 20 mm	GLASS	NON-TIME DELAY
F16	250V	2 AMP	5 x 20 mm	GLASS	NON-TIME DELAY
F17	250V	2 AMP	5 x 20 mm	GLASS	NON-TIME DELAY
D1	250V	4 AMP	5 x 20 mm	GLASS	NON-TIME DELAY
D2	250V	0.5 AMP	5 x 20 mm	GLASS	NON-TIME DELAY
D3	250V	0.5 AMP	5 x 20 mm	GLASS	NON-TIME DELAY
D4	250V	3 AMP	5 x 20 mm	GLASS	NON-TIME DELAY
D5	250V	6 AMP	5 x 20 mm	GLASS	NON-TIME DELAY
D6	250V	2 AMP	5 x 20 mm	GLASS	NON-TIME DELAY
D7	250V	6 AMP	5 x 20 mm	GLASS	NON-TIME DELAY
D8	250V	6 AMP	5 x 20 mm	GLASS	NON-TIME DELAY
D9	250V	2 AMP	5 x 20 mm	GLASS	TIME DELAY
D10	250V	2 AMP	5 x 20 mm	GLASS	NON-TIME DELAY
D11	250V	1 AMP	5 x 20 mm	GLASS	NON-TIME DELAY
D12	250V	1 AMP	5 x 20 mm	GLASS	NON-TIME DELAY
D13	250V	1 AMP	5 x 20 mm	GLASS	NON-TIME DELAY
D14	250V	2 AMP	5 x 20 mm	GLASS	NON-TIME DELAY
D15	250V	2 AMP	5 x 20 mm	GLASS	NON-TIME DELAY
D16-D22	250V	1 AMP	5 x 20 mm	GLASS	NON-TIME DELAY

TORQUE ALL TERMINAL SCREWS TO .75 Nm (6.64 lb in)  
B10238 BMS CABINET ASSEMBLY  
VITAL INCOMING POWER: 120VAC / 40A / 1 PH / 60HZ  
NON-VITAL INCOMING POWER: 120VAC / 33A / 1 PH / 60HZ

MAIN DISCONNECT AND BRANCH CIRCUIT PROTECTION PROVIDED BY OTHERS

NOTES:

1. TEXT HEIGHT SHALL BE .125". LINE SPACING BETWEEN TEXT LINES SHALL BE A MINIMUM OF .062".
2. INSTALL BRADY TAPE LABELS ON THE HINGE SIDE, CLEAR SPACE INSIDE RH CABINET DOOR.

FUSE ESCUTCHEON

WARNING – PRESSURIZED CABINET  
THIS ENCLOSURE SHALL NOT BE OPENED UNLESS THE  
AREA IS KNOWN TO BE FREE OF FLAMMABLE MATERIALS  
OR UNLESS ALL DEVICES HAVE BEEN DE-ENERGIZED

~~PURGED ENCLOSURE ESCUTCHEON~~

**1 MINUTE PER CUBIC FOOT      RAPID EXCHANGE TIME:**

MODEL: 1003-WPS TYPE Z

## RAPID EXCHANGE CONTROL VALVE

### RAPID EXCHANGE INJECTION PRESSURE

ENCLOSURE PRESSURE  
CONTROL VALVE

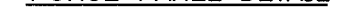
ENCLOSURE  
PRESSURE

DWYER  
INSTRUMENTS

1/4"  
REFERENCE

3/8"  
SUPPLY

### PURGE PANEL DETAIL

RFP						PURGE PANEL DETAIL										3/8 SUPPLY	
F	8/18/16	TJH	CJ	BKE	REVISED PER AS BUILT ECO 73350	SEE FORNEY CORPORATION STANDARD 348384-01 FOR TOLERANCES. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.  THIS DOCUMENT IS THE PROPRIETARY PROPERTY OF FORNEY CORPORATION. ALL INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND SHALL NOT BE REPRODUCED, COPIED, LENT, OR DISCLOSED WITHOUT THE WRITTEN PERMISSION OF FORNEY CORPORATION.	TITLE  CAB/ENCLOSURE CABINET ASSEMBLY BURNER MANAGEMENT SYSTEM	 Forney Corporation									
A	11/18/15	JH	CJ	CGS	FIRST SUBMITTAL			CONTRACT B10238	SCALE N/A	SIZE B	DRAWING NUMBER B10238-060-00	REV F					
REV	DATE	DR	ENG	RWD	DESCRIPTION												