MVVSD1000R_-88
MVVSD1250R_-88
MVVSD1500R_-88
MVVSD1750R_-88
MVVSD2000R_-88

T = YT UNITS
K = YK UNITS

NO	DRAWING NO	REV	DRAWING DESCRIPTION
00	I808MT00	7	MEDIUM VOLTAGE FLOOR MOUNT VFD
01	---	--	----
02	---	--	----
03	I808MT03	0	GROUNDING PROCEDURE
04	---	--	----
05	I808MT05	2	RATING SHEET
06	---	--	----
07	I808MT07	2	ONE-LINE DIAGRAM
08	---	--	----
09	---	--	----
10	I808MT10	2	THREE-LINE DIAGRAM
11	I808MT11	2	MAIN CIRCUIT
12	I808MT12	0	RECTIFIER CIRCUIT
13	---	--	----
14	---	--	----
15	I808MT15	2	CONTROL POWER AND FAN CIRCUITS

NO	DRAWING NO	REV	DRAWING DESCRIPTION
16	I808MT16	3	PCB INTERCONNECTION (1)
17	I808MT17	0	PCB INTERCONNECTION (2)
18	I808MT18	1	EXTERNAL I/O (1)
19	I808MT19	2	EXTERNAL I/O (2)
20	I808MT20	2	CONTROL CIRCUIT
21	---	--	----
22	---	--	----
23	---	--	----
24	---	--	----
25	---	--	----
26	---	--	----
27	---	--	----
28	I808MT28	1	CHILLER SYSTEM TERMINAL CONNECTIIONS
29	---	--	----
30	I808MT30	2	ENCLOSURE OUTLINE
31	---	--	----

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
6	10/25/16	REV. SHEET 16		JAT	AL
5	08/10/16	REV. SHT.#19		JAT	AL
4	06/20/14	UPGRADED TO ACE FORMAT		JO	AL
3	09/10/13	REVISED SHEETS 5,7,11		JO	AL
2	07/22/10	REVISED		XZ	AL
1	10/28/09	REVISED SHEET 5,15,16		XZ	AL
0	05/07/09	FIRST ISSUE		XZ	AL

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
13					
12					
11					
10					
9					
8					
7	06/08/17	REV. SHT.#10,20,28&30		JAT	AL

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
20					
19					
18					
17					
16					
15					
14					

YORK INTERNATIONAL CORPORATION
YORK , PA . 17405

DIMENSIONS ARE IN INCHES
DO NOT SCALE
TOLERANCES PER ENG. STD. M-282
WELDING PER ENG. STD. M-30
REF. DWG.

MEDIUM VOLTAGE
VFD FLOOR MOUNT
FRAME 1 13800V

MATERIAL
TYPE _____ ENG. STD. ____
PART NO. _____
CUT SIZE _____

NAME DATE
DR. _____
APPR. _____
SCALE: _____

SIZE D | CAGE NO | DRAWING NUMBER I808MT00

WT. = LBS. | ORIG. NO. | SHEET 1 of 15

STANDARD PANEL GROUNDING PROCEDURES
TO BE FOLLOWED AT INSTALLATION

SCOPE

THIS DRAWING WILL DOCUMENT PROCEDURES WHICH ARE TO BE FOLLOWED BY CUSTOMER'S CONTRACTOR WHEN INSTALLING INDUSTRIAL DRIVE AND MOTOR SYSTEMS

IN ORDER TO UNDERSTAND THE REASONS FOR MANY OF THE PRACTICES THAT ARE RECOMMENDED. IT IS HELPFUL TO SEGREGATE THESE PRACTICES INTO TWO CATEGORIES AS FOLLOWS:

1) THOSE GENERALLY REFERRED TO AS EQUIPMENT GROUNDING PRACTICES WHOSE PURPOSES ARE:
   - TO PROTECT AGAINST THE RISK OF ELECTRICAL SHOCK OR BURN.
   - TO PROTECT THE EQUIPMENT FROM FIRE OR OTHER DAMAGE DUE TO GROUND FAULTS OR LIGHTNING STRIKES.

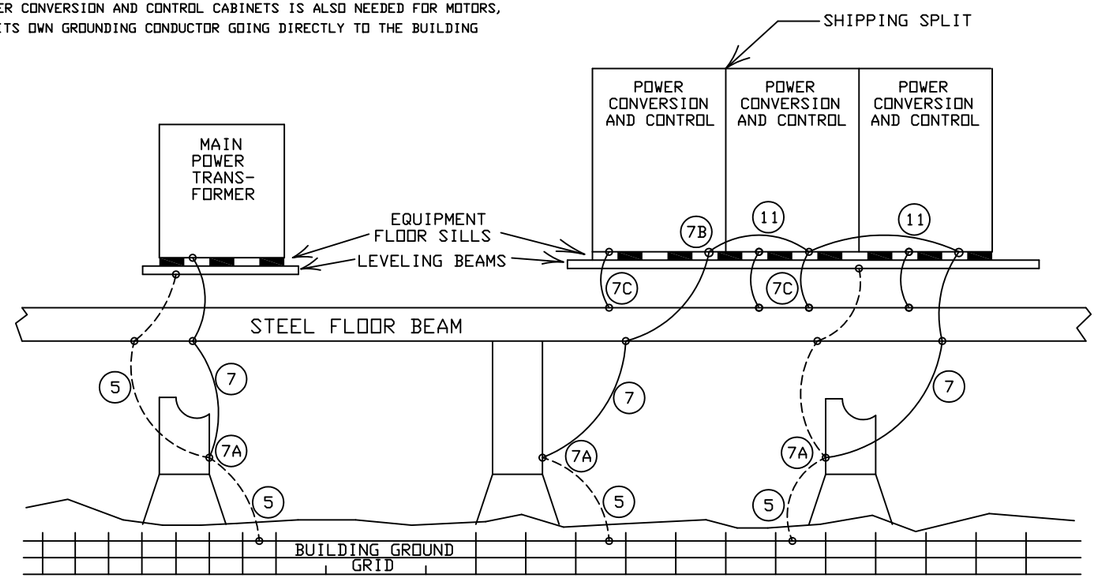
   THESE PRACTICES WOULD TYPICALLY BE FOLLOWED BY THE CONTRACTOR IN COMPLIANCE WITH NEC OR OTHER CODE REQUIREMENTS.
2) THOSE PRACTICES WHICH MAKE THE EQUIPMENT IMMUNE TO ELECTRICAL NOISE ORIGINATING WITHIN OR OUTSIDE THE EQUIPMENT. THESE COMPLEMENT THE EQUIPMENT GROUNDING AND LEVEL WIRING PRACTICES IN PROVIDING NOISE IMMUNITY.

EQUIPMENT GROUNDING

1) ALL METAL BUILDING STRUCTURES SUCH AS COLUMNS, FLOOR BEAMS, ETC. SHOULD BE GROUNDED BY AN INTERCONNECTING HEAVY GROUND CABLE (5) IN ACCORDANCE WITH RECOMMENDED BUILDING PRACTICES AND LOCAL CODES.
2) ALL ELECTRICAL JOINTS AND CONNECTIONS TO THE BUILDING STRUCTURES SHOULD BE BRAZED OR EXOTHERMIC WELDED TO ASSURE THAT THE REQUIRED GOOD ELECTRICAL AND MECHANICAL PROPERTIES DO NOT DETERIORATE WITH THE PASSAGE OF TIME.
3) ALL PANELS SHOULD BE GROUNDED AT LEAST ONE POINT USING A HEAVY SAFETY CABLE (7). PANELS GREATER THAN 15 FT LONG SHOULD BE GROUNDED AT BOTH ENDS. THE GROUND CABLE NEEDS TO BE AT LEAST 1/0 AWG FOR MECHANICAL REASONS AND NEED NOT BE GREATER THAN 500 MCM. THIS CABLE IS USUALLY NON-INSULATED.
4) THE SAFETY GROUND CABLE (7) SHOULD BE BRAZED OR EXOTHERMIC WELDED (7A) TO A BUILDING STEEL STRUCTURE THAT IS CLOSEST TO THE PANEL, PREFERABLY WITHIN 25 FT.
5) THE EQUIPMENT END (7B) SHOULD BE BOLTED OR BRAZED TO A GROUND TERMINATION POINT ON THE PANEL.
6) THE EQUIPMENT GROUNDING TERMINAL IS A COPPER GROUND BUS OR STUB BUS BONDED TO THE PANEL ENCLOSURE USING BRAZING OR BOLTING IN SUCH MANNER THAT THE CONDUCTING PATH HAS A RESISTANCE OF 0.1 OHMS OR LESS.
7) THE GROUNDING CONDUCTORS MUST BE CAPABLE OF HANDLING ANTICIPATED GROUND FAULT CURRENTS.
8) THERE SHOULD BE A JUMPER CABLE (11) ACROSS THE GROUND BUS FLOOR SILL BETWEEN ANY SHIPPING SPLITS AND SIZED THE SAME AS THE SAFETY GROUND UNLESS OTHERWISE SPECIFIED.
9) THE PROTECTIVE GROUNDING DESCRIBED ABOVE FOR POWER CONVERSION AND CONTROL CABINETS IS ALSO NEEDED FOR MOTORS, TRANSFORMERS AND REACTORS. EACH OF THESE SHOULD HAVE ITS OWN GROUNDING CONDUCTOR GOING DIRECTLY TO THE BUILDING GROUND GRID.

GROUNDING PROCEDURES NEEDED TO ENSURE ELECTRICAL NOISE IMMUNITY

1) LEVELING BEAMS, STEEL MESH, GALVANIZED FLOOR, DECKING, ETC. SHOULD BE INSTALLED PRIOR TO PLACING THE EQUIPMENT. THESE SHOULD BE CONNECTED TO THE BUILDING GROUND SYSTEM USING A BRAZING OR EXOTHERMIC WELDING PROCESS.
2) GROUNDING LEVELING BEAMS ARE NOT AN ABSOLUTE NECESSITY FOR SATISFACTORY OPERATION. ON NEW CONSTRUCTION SUCH BEAMS CAN BE PROVIDED WITH LITTLE DIFFICULTY. FOR EXISTING CONSTRUCTION IT USUALLY WILL BE MORE DIFFICULT, IN WHICH CASE THE LEVELING BEAMS MAY BE DISPENSED WITH, PROVIDED OTHER GROUNDED STRUCTURES SUCH AS COLUMNS AND FLOOR BEAMS ARE WITHIN 10 FEET OF THE EQUIPMENT.
3) AFTER SETTING THE CONTROL PANELS IN PLACE, THE PERIPHERY OF THE CONTROL PANELS SHOULD BE SPOT WELDED TO THE STEEL CHANNELS APPROXIMATELY EVERY 18 INCHES. THIS CREATES A VERY GOOD HIGH FREQUENCY GROUND PLANE. CARE SHOULD BE TAKEN TO AVOID ELECTRONIC COMPONENT DAMAGE DURING THE WELDING PROCESS BY KEEPING THE WELDED RETURN PATH AS CLOSE AS POSSIBLE TO THE WORK POSITION. THAT IS, THE RETURN PATH SHOULD ALWAYS BE WITHIN 3 FEET OF THE ELECTRODE.
4) IF LEVELING BEAMS ARE NOT INSTALLED, A NUMBER OF GROUNDING CABLES (7C) SHOULD BE RUN FROM THE GROUND LUGS PROVIDED ON THE PANEL TO THE NEAREST GROUNDED COLUMN OR FLOOR BEAM, OR WIRE FLOOR MESH, ETC. THIS WILL PROVIDE THE NECESSARY HIGH FREQUENCY GROUND PLANE.



REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
6					
5					
4					
3					
2					
1					
0	04/11/14	FIRST ISSUE		JO	AL

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
13					
12					
11					
10					
9					
8					
7					

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
20					
19					
18					
17					
16					
15					
14					

YORK INTERNATIONAL CORPORATION
YORK, PA. 17405

DIMENSIONS ARE IN INCHES
DO NOT SCALE
TOLERANCES PER ENG. STD. M-282
WELDING PER ENG. STD. M-30
REF. DWG.

GROUNDING PROCEDURE

MATERIAL
TYPE _____ ENG. STD. ____
PART NO. _____
CUT SIZE _____

NAME DATE
DR.
APPR.
SCALE:

SIZE D

CAGE NO

DRAWING NUMBER 1808MT03

WT. = LBS.

ORIG. NO.

SHEET 2 of 15

COMPONENT RATING		
SHEET NUMBER	COMPONENT	MVVSD1000R_-88 ~ 2000R_-88
		RATING
5	10LA	15kV
	10ISW1	600A, 15.0kV
	10FU1~3	SEE TABLE A
	10M1	320A, 12/15kV
	10M1A	320A, 12/15kV
	10ACL	200.0mH
	10F4~7	0.5E, 15.5kV
	10PT1~2	1500VA, 14400:120V
	10CPT	SEE TABLE A
	10F8~10	1E, 15.5kV
	10F12~14	SEE TABLE A
	10F15	20A, 600Vac
6	HCTU,HCTW	300A:120mA
	11T1	SEE TABLE A
	11R11	100k ohm, 225W
	GDI	---
	11L1	100uH, 260A
7	FUSE	SEE TABLE A
	DIODE	2200V, 260A
	POWER MODULE (U,V,W)	±1800Vdc, 248A
8	15MCB1	15A, 600V
	15V1	480V, 2a2b
	15MS1~2	1.6~2.5A, 480V (set @ 2.3A)
	15MOV1~3	625V, 230J
	15FN1~2	460V, 1.2kW
	15MCB2	240Vac, 20A, 2P
	15F1~2	5A, 600Vac
	PDM	---
	15PS1	120/240:+5,+/-15,24V,80W
	15DS1	10A, 600V
	VX	120Vac,25A/3a, 10A/3a3b
9	CTR	---
	GSD	---
	16R1,3	SEE TABLE A
	16R2,4	SEE TABLE A
	MODBUS	ETHERNET/RTU(RS485)
10	IPAD	---
	DISP	G7A
	XIO	---
11	BLR	24Vdc, 4a0b
	FLT,INPC	24Vdc, 2a2b
13	EXT	115V, 4a0b
	SS	50-129V AC/DC

TABLE A										
MODEL NUMBER	MOTOR HP	DRIVE FLA	OIL PUMP TYPE	10FU1~3	10CPT	10F12~14	11T1	FUSE	16R1,3	16R2,4
				RATING	RATING	RATING	RATING	RATING	RATING	RATING
MVVSD1000RT-88	1000	125	YT	50E, 15KV	13800:460V-2KVA,115V-2KVA	5A, 600V	873kVA,13800V:635V(12)	700V, 200A	32 ohm, 3W, 1%	25 ohm, 3W, 1%
MVVSD1000RK-88	1000	125	YK	50E, 15KV	13800:460V-3KVA,115V-2KVA	7A, 600V	873kVA,13800V:635V(12)	700V, 200A	32 ohm, 3W, 1%	25 ohm, 3W, 1%
MVVSD1250RT-88	1250	155	YT	65E, 15KV	13800:460V-2KVA,115V-2KVA	5A, 600V	1085kVA,13800V:635V(12)	700V, 200A	35 ohm, 3W, 1%	10 ohm, 3W, 1%
MVVSD1250RK-88	1250	155	YK	65E, 15KV	13800:460V-3KVA,115V-2KVA	7A, 600V	1085kVA,13800V:635V(12)	700V, 200A	35 ohm, 3W, 1%	10 ohm, 3W, 1%
MVVSD1500RT-88	1500	186	YT	80E, 15KV	13800:460V-2KVA,115V-2KVA	5A, 600V	1296kVA,13800V:635V(12)	700V, 200A	35 ohm, 3W, 1%	3 ohm, 3W, 1%
MVVSD1500RK-88	1500	186	YK	80E, 15KV	13800:460V-3KVA,115V-2KVA	7A, 600V	1296kVA,13800V:635V(12)	700V, 200A	35 ohm, 3W, 1%	3 ohm, 3W, 1%
MVVSD1750RT-88	1750	217	YT	80E, 15KV	13800:460V-2KVA,115V-2KVA	5A, 600V	1508kVA,13800V:635V(12)	700V, 250A	30 ohm, 3W, 1%	3 ohm, 3W, 1%
MVVSD1750RK-88	1750	217	YK	80E, 15KV	13800:460V-3KVA,115V-2KVA	7A, 600V	1508kVA,13800V:635V(12)	700V, 250A	30 ohm, 3W, 1%	3 ohm, 3W, 1%
MVVSD2000RT-88	2000	248	YT	100E, 15KV	13800:460V-2KVA,115V-2KVA	5A, 600V	1720kVA,13800V:635V(12)	700V, 250A	25 ohm, 3W, 1%	3 ohm, 3W, 1%
MVVSD2000RK-88	2000	248	YK	100E, 15KV	13800:460V-3KVA,115V-2KVA	7A, 600V	1720kVA,13800V:635V(12)	700V, 250A	25 ohm, 3W, 1%	3 ohm, 3W, 1%

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
6					
5					
4					
3					
2	09/10/13	REVISED SHEETS 5,6		JO	AL
1	10/28/09	REVISED SHEET 11,13		XZ	AL
0	05/07/09	FIRST ISSUE		XZ	AL

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
13					
12					
11					
10					
9					
8					
7					

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
20					
19					
18					
17					
16					
15					
14					

YORK INTERNATIONAL CORPORATION
YORK , PA . 17405

DIMENSIONS ARE IN INCHES
DO NOT SCALE
TOLERANCES PER ENG. STD. M-282
WELDING PER ENG. STD. M-30
REF. DWG.

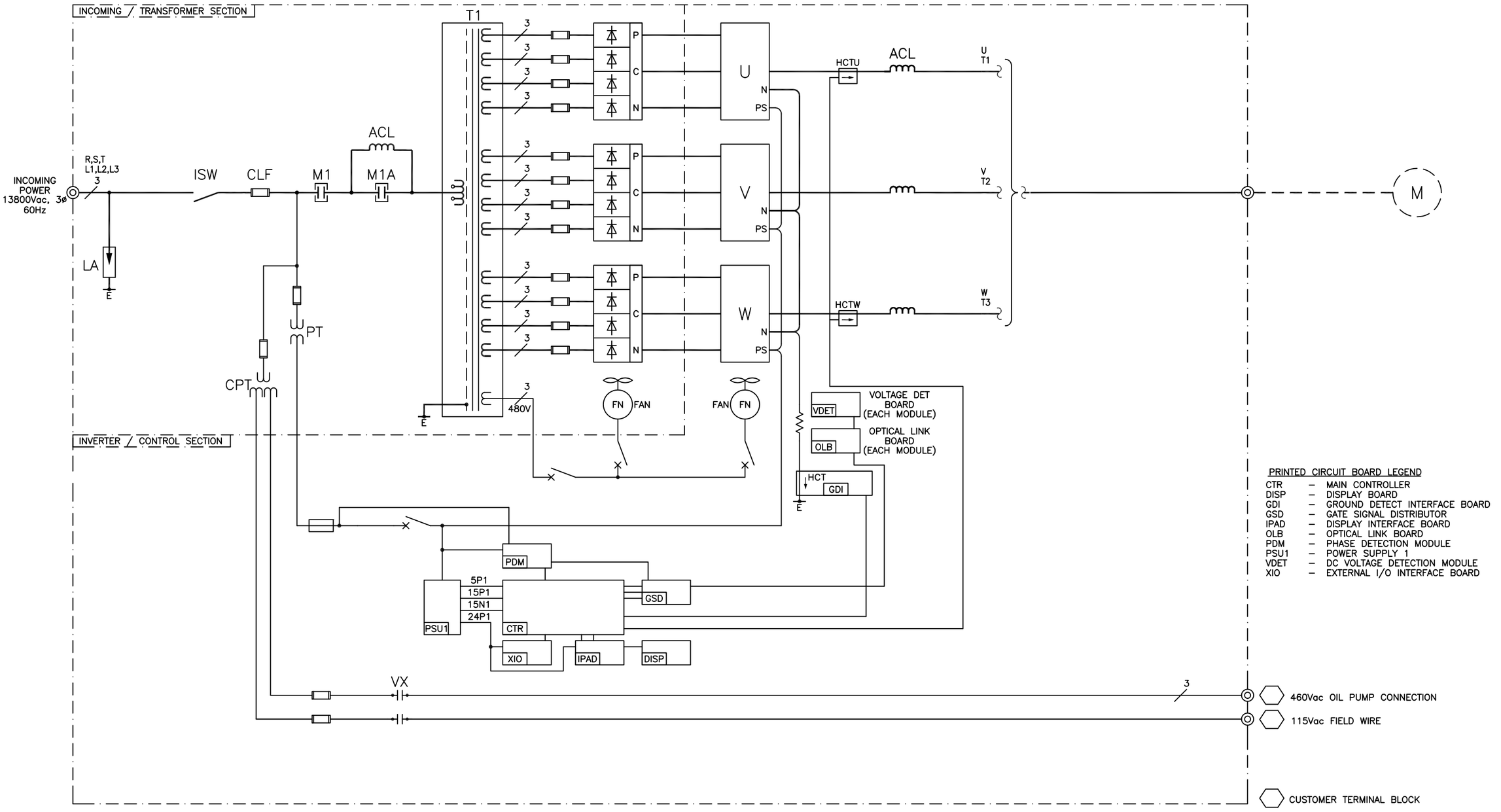
RATING SHEET, COMPONENTS

MATERIAL
TYPE _____ ENG. STD. _____
PART NO. _____
CUT SIZE _____

NAME DATE
DR. _____
APPR. _____
SCALE: _____

SIZE D | CAGE NO | DRAWING NUMBER I808MT05

WT. = LBS. | ORIG. NO. | SHEET 3 of 15



REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
6					
5					
4					
3					
2	06/20/14	UPGRADED TO ACE FORMAT		JO	AL
1	09/10/13	ADDED ISW,ACL		JO	AL
0	05/07/09	FIRST ISSUE		XZ	AL

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
13					
12					
11					
10					
9					
8					
7					

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
20					
19					
18					
17					
16					
15					
14					

YORK INTERNATIONAL CORPORATION
YORK , PA . 17405

DIMENSIONS ARE IN INCHES
DO NOT SCALE
TOLERANCES PER ENG. STD. M-282
WELDING PER ENG. STD. M-30
REF. DWG.

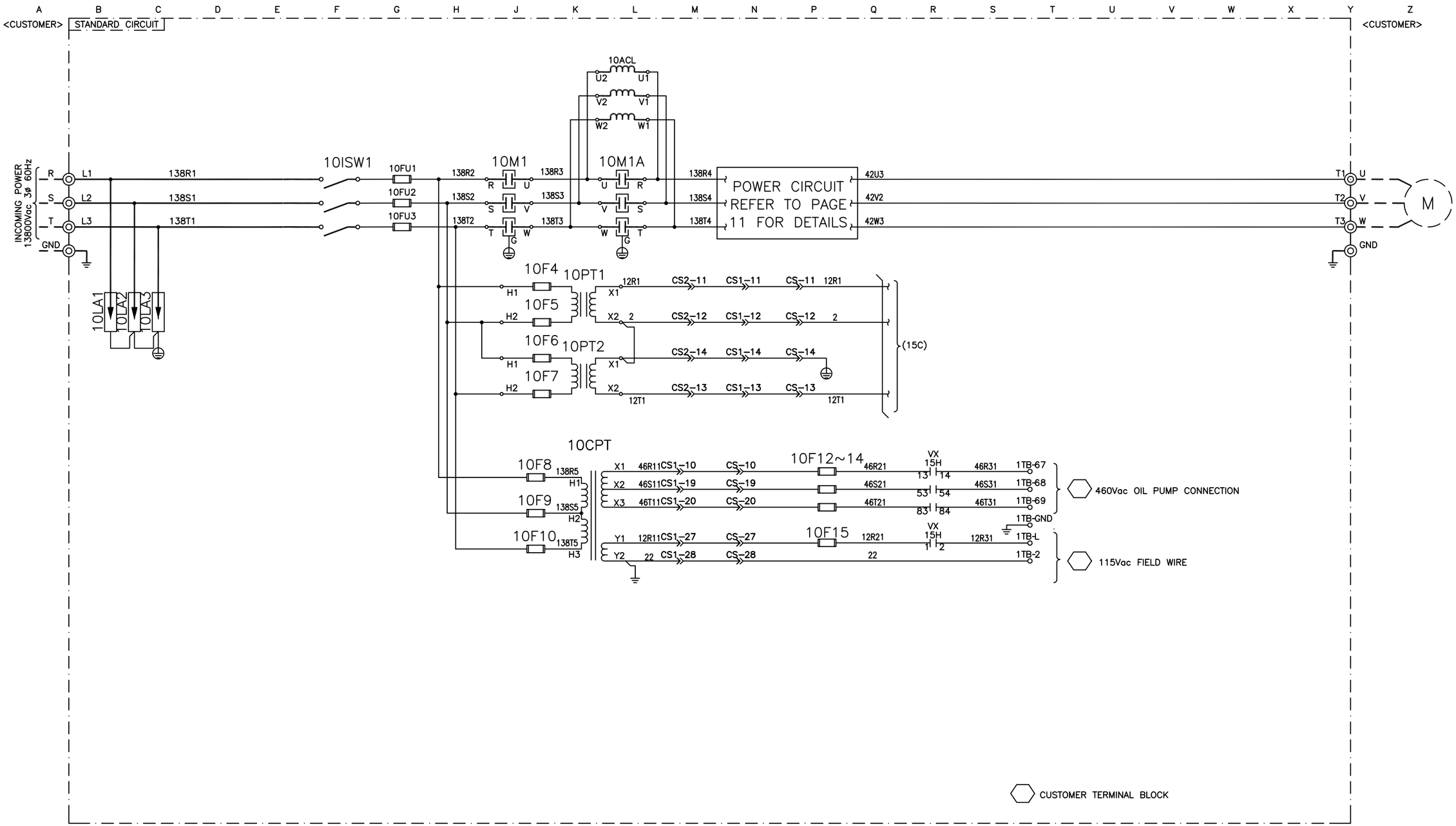
ONE-LINE DIAGRAM

MATERIAL
TYPE _____ ENG. STD. ____
PART NO. _____
CUT SIZE _____

NAME DATE
DR. _____
APPR. _____
SCALE: _____

SIZE D | CAGE NO | DRAWING NUMBER 1808MT07

WT. = LBS. | ORIG. NO. | SHEET 4 of 15



REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
6					
5					
4					
3					
2	06/09/17	DELETED 1–TB–GND		JAT	AL
1	05/20/14	UPGRADED TO ACE VERSION		JO	AL
0	05/07/09	FIRST ISSUE		XZ	AL

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
13					
12					
11					
10					
9					
8					
7					

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
20					
19					
18					
17					
16					
15					
14					

YORK INTERNATIONAL CORPORATION
YORK , PA . 17405

DIMENSIONS ARE IN INCHES
DO NOT SCALE
TOLERANCES PER ENG. STD. M–282
WELDING PER ENG. STD. M–30
REF. DWG.

THREE–LINE DIAGRAM

MATERIAL
TYPE _____ ENG. STD. ____
PART NO. _____
CUT SIZE _____

NAME DATE
DR.
APPR.
SCALE:

SIZE D | CAGE NO | DRAWING NUMBER I808MT10

WT. = LBS. | ORIG. NO. | SHEET 5 of 15

INCOMING / TRANSFORMER SECTION

INVERTER SECTION

11T1

RECTIFIER (SEE PAGE 12)

POWER MODULE (SEE PAGE 12)

RECTIFIER (SEE PAGE 12)

POWER MODULE (SEE PAGE 12)

RECTIFIER (SEE PAGE 12)

POWER MODULE (SEE PAGE 12)

FROM 10M1A (10M)

138R4 H1

138S4 H2

138T4 H3

THERMOSTATS (OPEN@190°C)

(19Y)

19YU CS-21 19YU TS-1

Z24A CS-22 Z24A TS-8

RØ PRI COIL

SØ PRI COIL

TØ PRI COIL

TOP CENTER SEC COIL

48R1 PW-1 48R1

48S1 PW-2 48S1

48T1 PW-3 48T1

(15B)

42ACN

(16A)

15P1 (BK) 1U (GN) 15N1 (WH)

1 2 3 4

HCTU

42U1

42U2

11L1

42U3

42V1

11L1

42V2

OUTPUT (10Q)

(16A)

15P1 (BK) 1W (GN) 15N1 (WH)

1 2 3 4

HCTW

42W1

42W2

11L1

42W3

GDI ARND-8216A

11R11

QW

TB1-1

C

TB1-2

E

HCT1 30mA/4V

Fault Det.– I≥9mA

Time Const =2.7mS GAIN=1.002

I_GND TP4

I_GND (ASB) TP5

P15 CN1

15P1

0V1

15N1

IGR

0V1

(16F)

N15 LG

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
6					
5					
4					
3					
2	06/20/14	UPGRADED TO ACED FORMAT		JO	AL
1	09/10/13	11T1 THERMOSTATS, 11L1		JO	AL
0	05/07/09	FIRST ISSUE		XZ	AL

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
13					
12					
11					
10					
9					
8					
7					

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
20					
19					
18					
17					
16					
15					
14					

YORK INTERNATIONAL CORPORATION
YORK , PA . 17405

DIMENSIONS ARE IN INCHES
DO NOT SCALE
TOLERANCES PER ENG. STD. M-282
WELDING PER ENG. STD. M-30
REF. DWG.

MAIN CIRCUIT

MATERIAL
TYPE _____ ENG. STD. _____
PART NO. _____
CUT SIZE _____

NAME DATE
DR.
APPR.
SCALE:

SIZE D

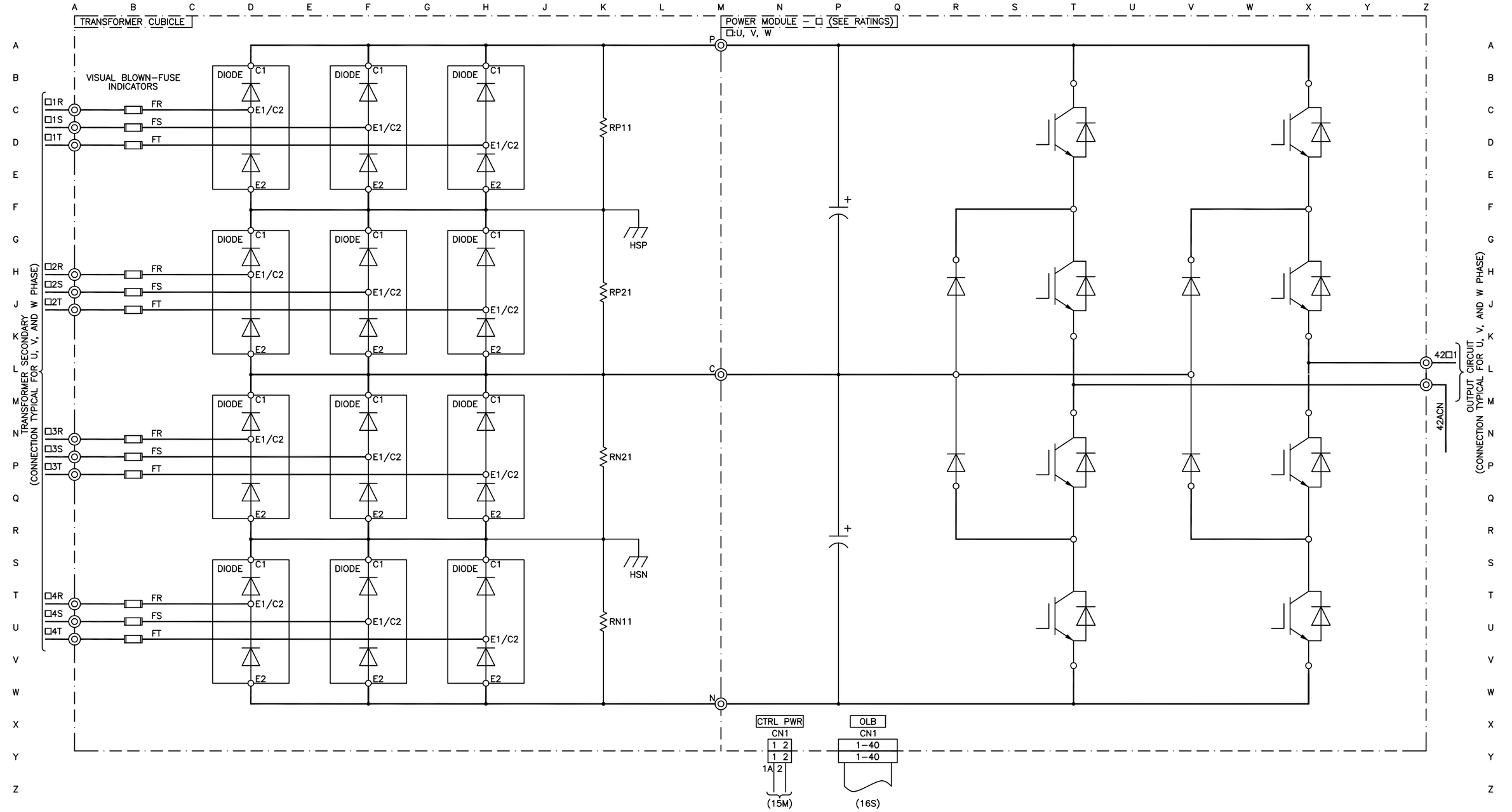
CAGE NO

DRAWING NUMBER 1808MT11

WT. = LBS.

ORIG. NO.

SHEET 6 of 15



REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
6					
5					
4					
3					
2					
1					
0	05/01/09	FIRST ISSUE		XZ	AL

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
13					
12					
11					
10					
9					
8					
7					

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
20					
19					
18					
17					
16					
15					
14					

YORK INTERNATIONAL CORPORATION
YORK , PA . 17405

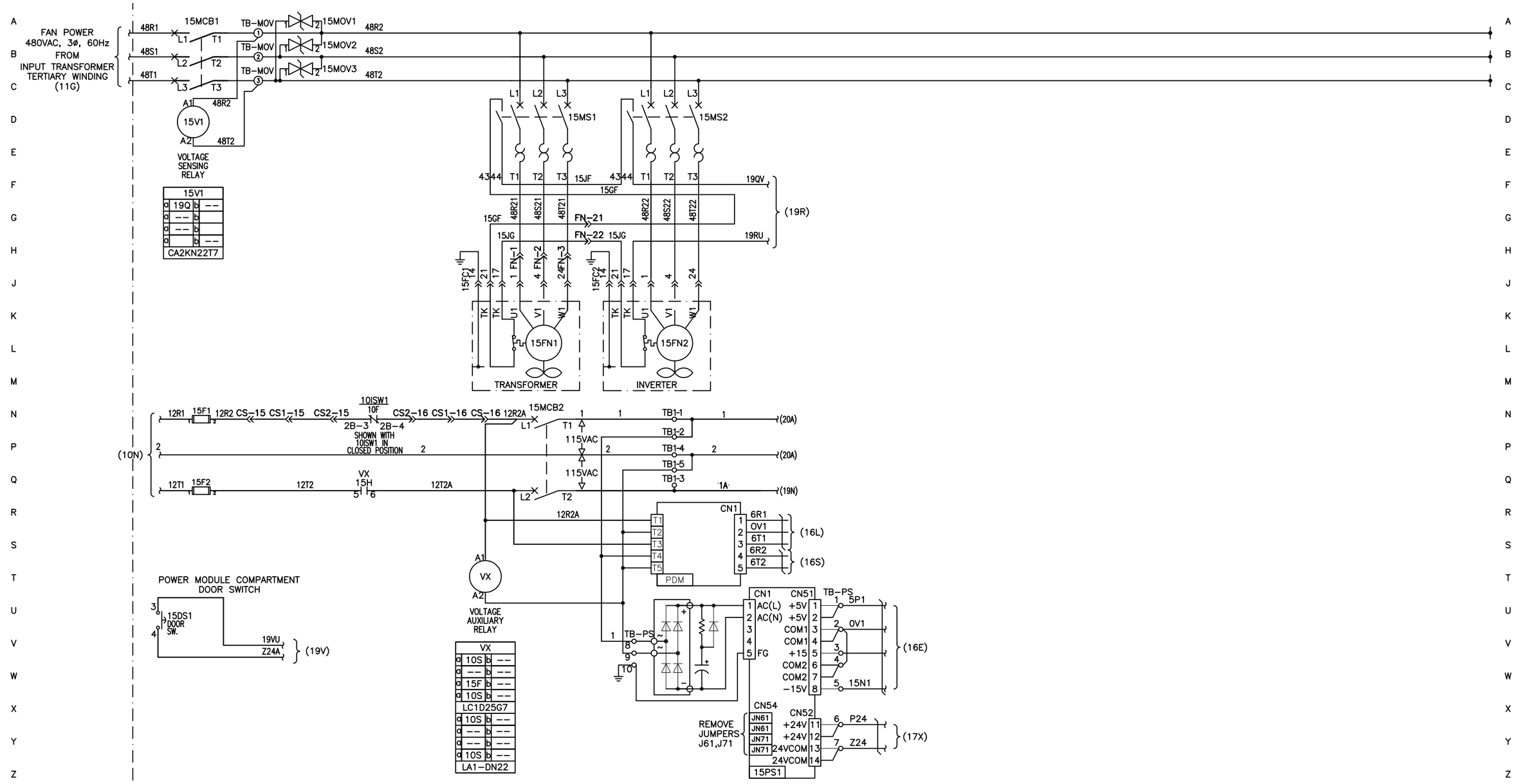
DIMENSIONS ARE IN INCHES
DO NOT SCALE
TOLERANCES PER ENG. STD. M–282
WELDING PER ENG. STD. M–30
REF. DWG.

RECTIFIER CKT.
(ONE PHASE)

MATERIAL
TYPE _____ ENG. STD. _____
PART NO. _____
CUT SIZE _____

NAME DATE
DR.
APPR.
SCALE:

SIZE: D
CAGE NO:
DRAWING NUMBER: I808MT12
WT. = LBS.
ORIG. NO.
SHEET 7 of 15



REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
6					
5					
4					
3					
2	06/20/14	UPGRADED TO ACE FORMAT		JO	AL
1	10/28/09	REVISED TB-PS		XZ	AL
0	05/07/09	FIRST ISSUE		XZ	AL

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
13					
12					
11					
10					
9					
8					
7					

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
20					
19					
18					
17					
16					
15					
14					

YORK INTERNATIONAL CORPORATION
YORK , PA . 17405

DIMENSIONS ARE IN INCHES
DO NOT SCALE
TOLERANCES PER ENG. STD. M-282
WELDING PER ENG. STD. M-30
REF. DWG.

CONTROL POWER
AND FANS CIRCUIT

MATERIAL
TYPE _____ ENG. STD. ____
PART NO. _____
CUT SIZE _____

NAME DATE
DR. _____
APPR. _____
SCALE: _____

SIZE D

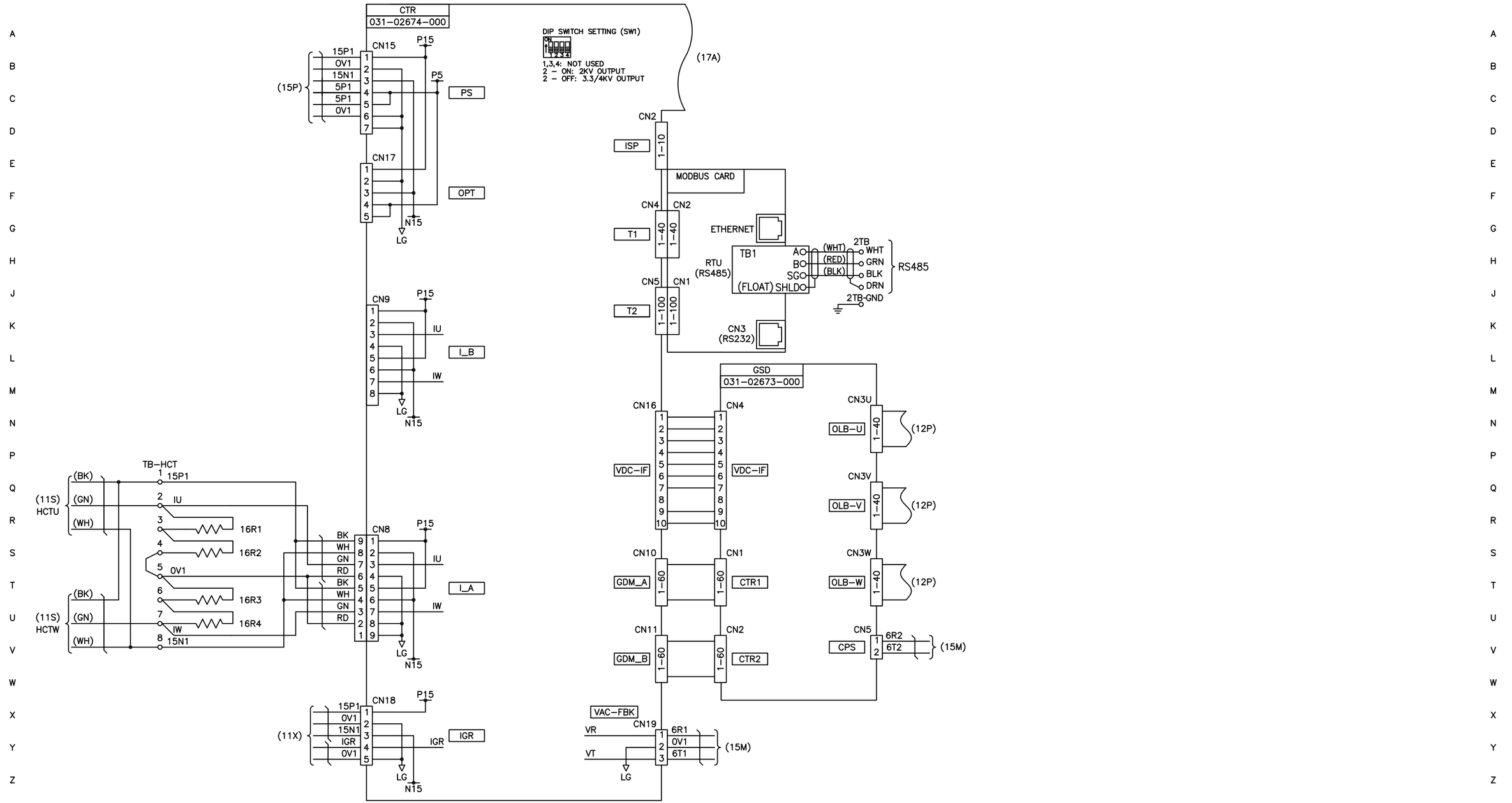
CAGE NO

DRAWING NUMBER
I808MT15

WT. = LBS.

ORIG. NO.

SHEET 8 of 15



REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
6					
5					
4					
3	10/25/16	REV.CTR–CN16 TO GSD–CN14		JAT	AL
2	06/20/14	UPGRADED TO ACE FORMAT		JO	AL
1	10/28/09	REVISED CTR–CN15		XZ	AL
0	05/07/09	FIRST ISSUE		XZ	AL

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
13					
12					
11					
10					
9					
8					
7					

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
20					
19					
18					
17					
16					
15					
14					

YORK INTERNATIONAL CORPORATION
YORK , PA . 17405

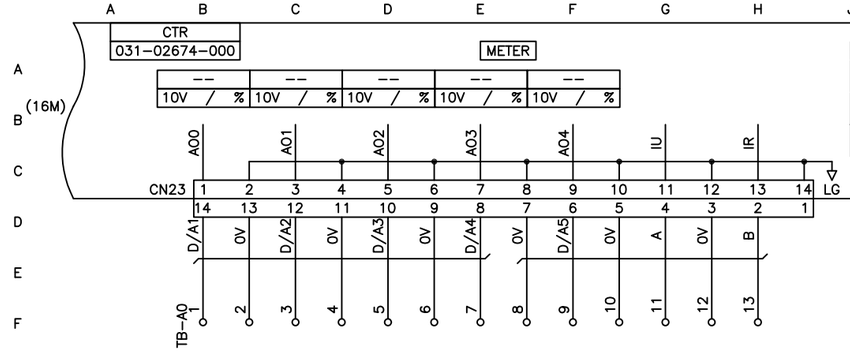
DIMENSIONS ARE IN INCHES
DO NOT SCALE
TOLERANCES PER ENG. STD. M–282
WELDING PER ENG. STD. M–30
REF. DWG.

PCB (1)
INTERCONNECTION

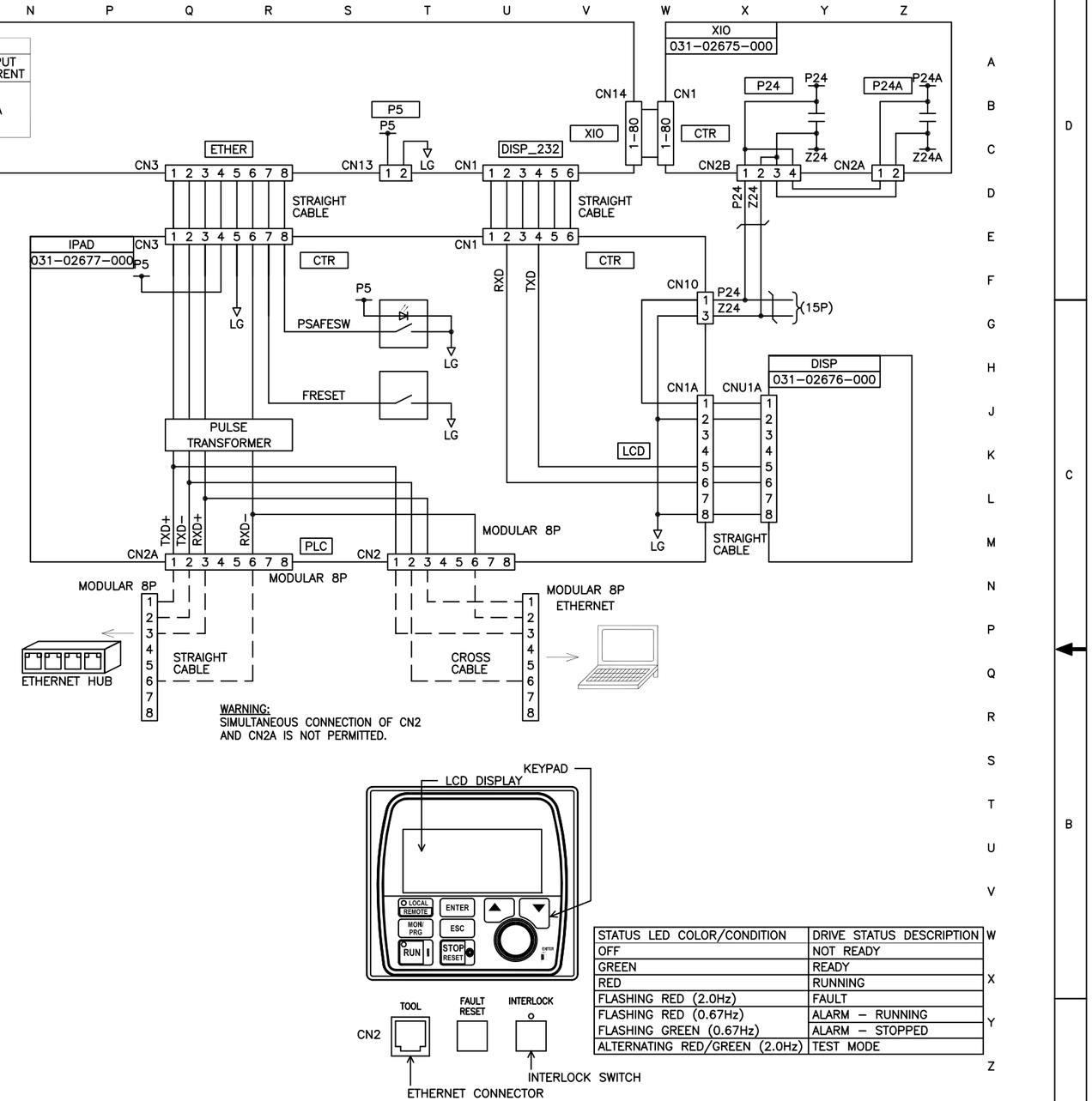
MATERIAL
TYPE _____ ENG. STD. _____
PART NO. _____
CUT SIZE _____

NAME DATE
DR.
APPR.
SCALE:

SIZE: D
CAGE NO:
DRAWING NUMBER: I808MT16
WT. = LBS.
ORIG. NO.
SHEET 9 of 15



ANALOG CHECK PIN SPECIFICATION				
ANALOG OUTPUT	OUTPUT RANGE	OUTPUT IMP.	RESOLUTION	OUTPUT CURRENT
A B	±10V	100Ω	ANALOG DATA	≅1mA
D/A1~ D/A5			8 BIT DIGITAL	



STATUS LED COLOR/CONDITION	DRIVE STATUS DESCRIPTION
OFF	NOT READY
GREEN	READY
RED	RUNNING
FLASHING RED (2.0Hz)	FAULT
FLASHING RED (0.67Hz)	ALARM – RUNNING
FLASHING GREEN (0.67Hz)	ALARM – STOPPED
ALTERNATING RED/GREEN (2.0Hz)	TEST MODE

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
6					
5					
4					
3					
2					
1					
0	05/07/09	FIRST ISSUE		XZ	AL

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
13					
12					
11					
10					
9					
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7					

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
20					
19					
18					
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16					
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14					

YORK INTERNATIONAL CORPORATION
YORK , PA . 17405

DIMENSIONS ARE IN INCHES
DO NOT SCALE
TOLERANCES PER ENG. STD. M-282
WELDING PER ENG. STD. M-30
REF. DWG.

PCB (2)
INTERCONNECTION

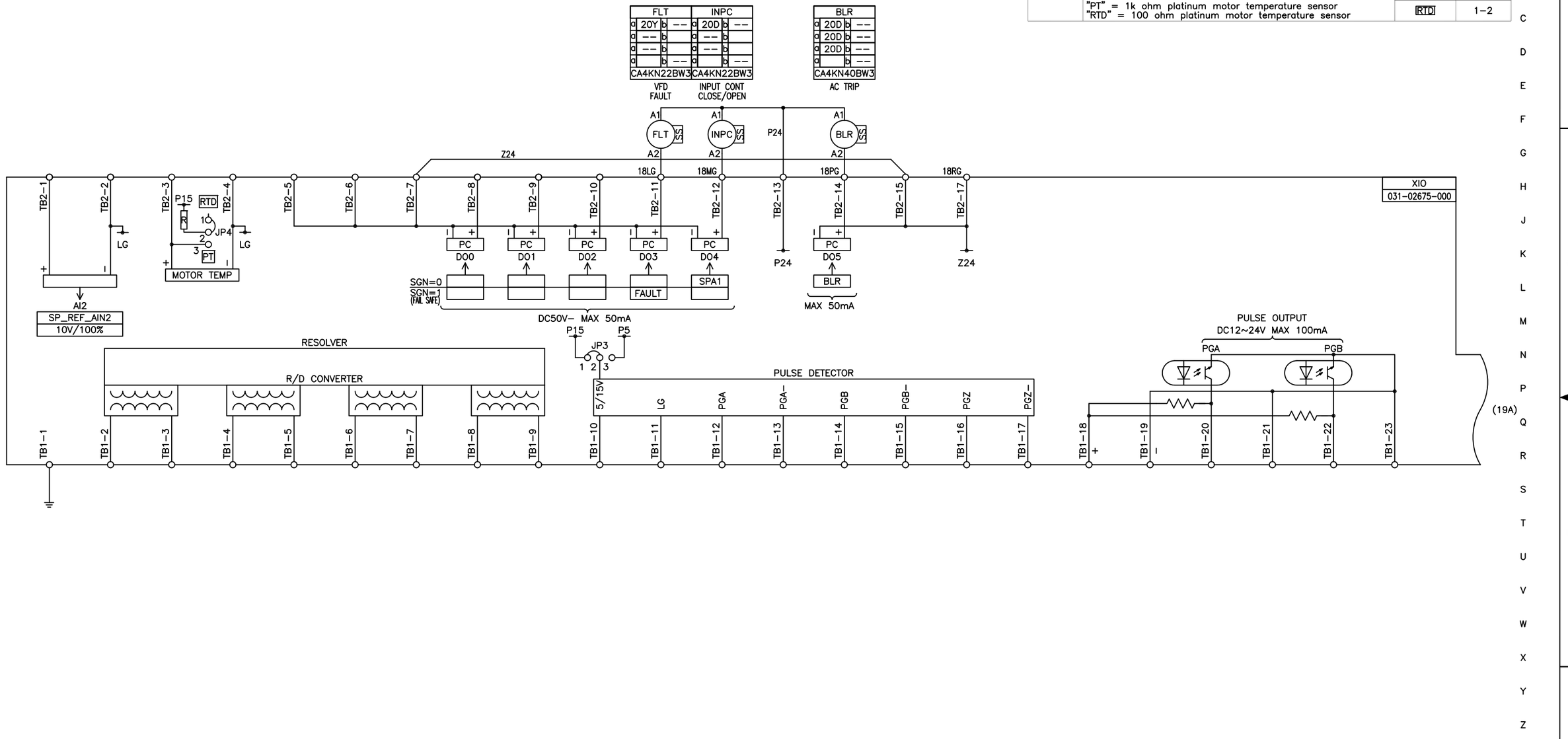
MATERIAL
TYPE _____ ENG. STD. ____
PART NO. _____
CUT SIZE _____

NAME DATE
DR. _____
APPR. _____
SCALE: _____

SIZE D | CAGE NO | DRAWING NUMBER I808MT17

WT. = LBS. | ORIG. NO. | SHEET 10 of 15

XIO JUMPER SETTINGS			
JUMPER	EXPLANATION	SILKSCREEN	SETTING
JP3	Pulse Generator (PG) power supply level selection. "P15" = +15VDC power supply "P5" = +5VDC power supply	P15	1–2
		P5	2–3
JP4	Motor temperature sensor type selection. External transducer required when using 100 ohm sensor. "PT" = 1k ohm platinum motor temperature sensor "RTD" = 100 ohm platinum motor temperature sensor	PT	2–3
		RTD	1–2



REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
6					
5					
4					
3					
2					
1	06/20/14	UPGRADED TO ACE FORMAT		JO	AL
0	05/07/09	FIRST ISSUE		XZ	AL

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
13					
12					
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REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
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19					
18					
17					
16					
15					
14					

YORK INTERNATIONAL CORPORATION
YORK , PA . 17405

DIMENSIONS ARE IN INCHES
DO NOT SCALE
TOLERANCES PER ENG. STD. M–282
WELDING PER ENG. STD. M–30
REF. DWG.

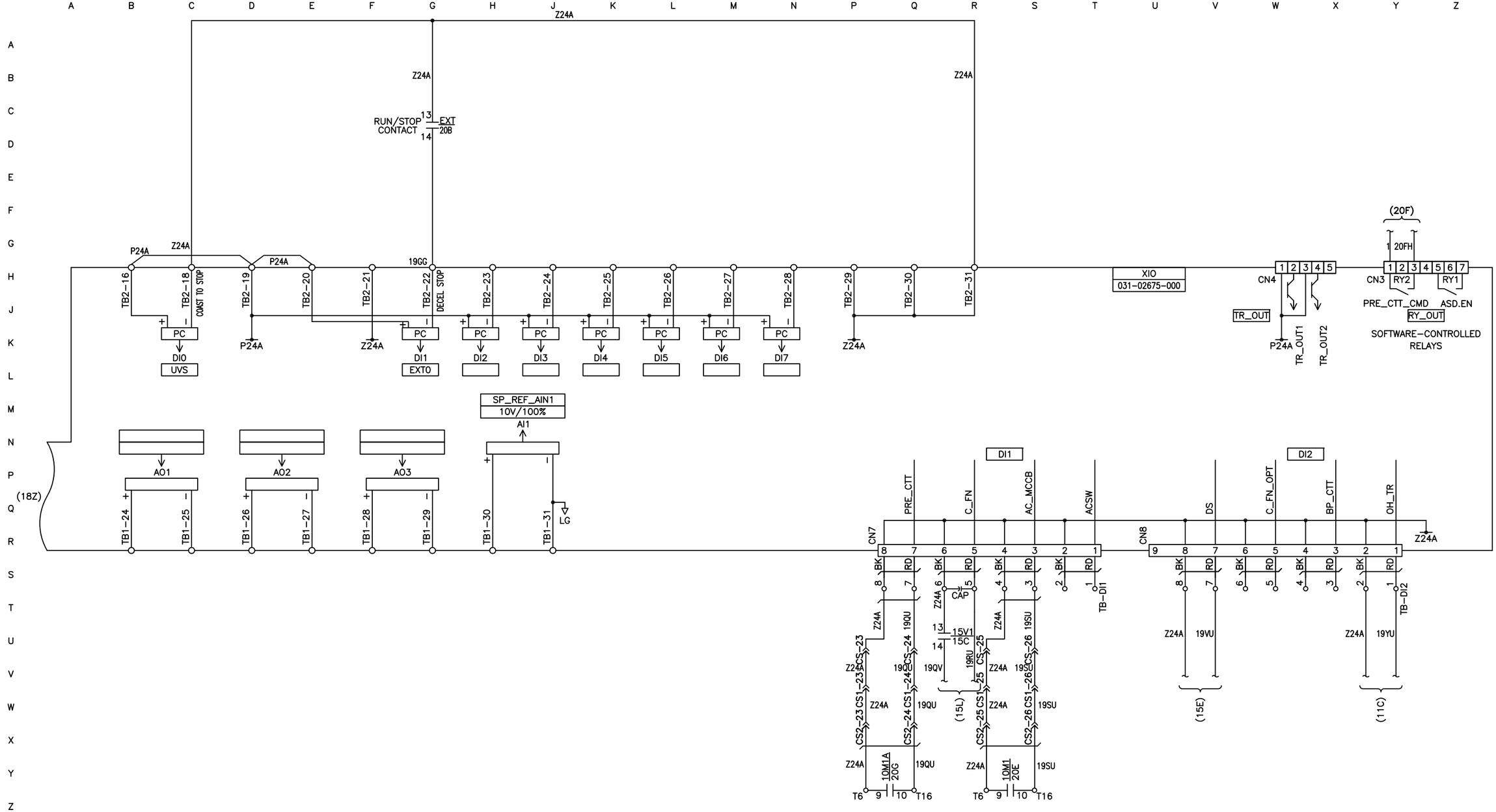
EXTERNAL I/O (1)

MATERIAL
TYPE _____ ENG. STD. ____
PART NO. _____
CUT SIZE _____

NAME DATE
DR.
APPR.
SCALE:

SIZE D | CAGE NO | DRAWING NUMBER 1808MT18

WT. = LBS. | ORIG. NO. | SHEET 11 of 15



REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
6					
5					
4					
3					
2	08/10/16	ADDED "CAP"		JAT	AL
1	06/20/14	UPGRADED TO ACE FORMAT		JO	AL
0	05/07/09	FIRST ISSUE		XZ	AL

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
13					
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REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
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19					
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16					
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YORK INTERNATIONAL CORPORATION
YORK , PA . 17405

DIMENSIONS ARE IN INCHES
DO NOT SCALE
TOLERANCES PER ENG. STD. M-282
WELDING PER ENG. STD. M-30
REF. DWG.

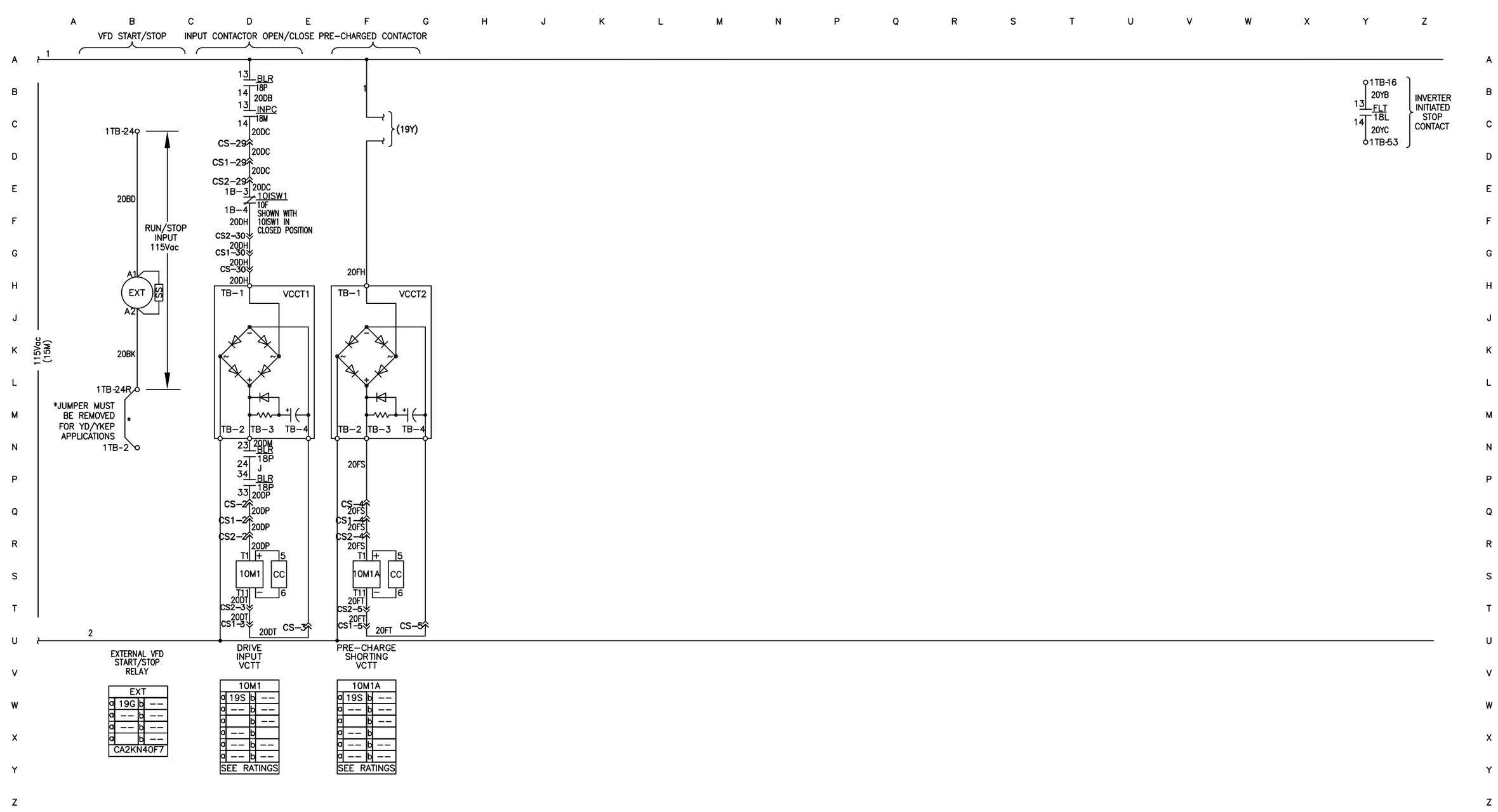
EXTERNAL I/O (2)

MATERIAL
TYPE _____ ENG. STD. ____
PART NO. _____
CUT SIZE _____

NAME DATE
DR.
APPR.
SCALE:

SIZE D | CAGE NO | DRAWING NUMBER I808MT19

WT. = LBS. | ORIG. NO. | SHEET 12 of 15



*SHOULD BE A LABEL IN THE DRIVE ADJACENT TO THE JUMPER. "JUMPER BETWEEN 2 AND 24R MUST BE REMOVED FOR YD/YKEP APPLICATIONS"

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
6					
5					
4					
3					
2	06/09/17	ADDED TD/YKEP OPTION		JAT	AL
1	05/20/14	UPGRADED TO ACE FORMAT		JO	AL
0	05/07/09	FIRST ISSUE		XZ	AL

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
13					
12					
11					
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REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
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YORK INTERNATIONAL CORPORATION
YORK , PA . 17405

DIMENSIONS ARE IN INCHES
DO NOT SCALE
TOLERANCES PER ENG. STD. M-282
WELDING PER ENG. STD. M-30
REF. DWG.

CONTROL CIRCUIT

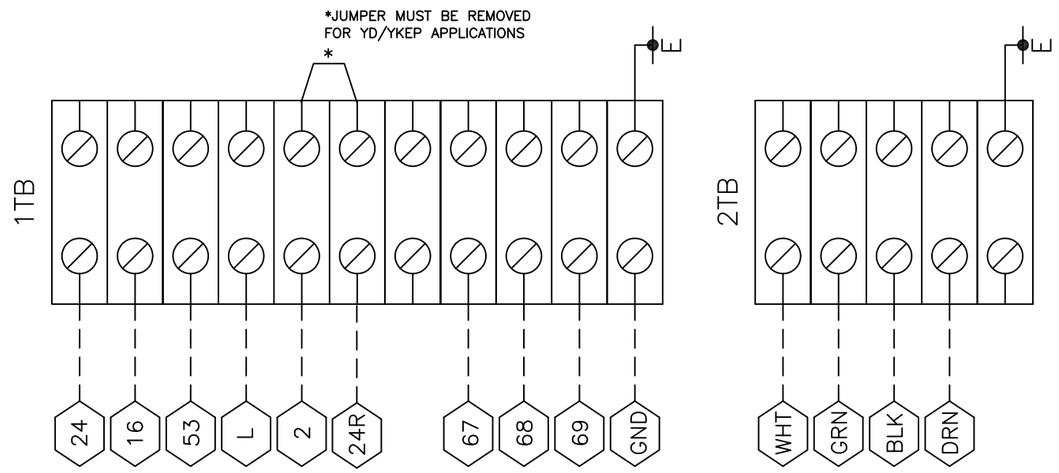
MATERIAL
TYPE _____ ENG. STD. ____
PART NO. _____
CUT SIZE _____

NAME DATE
DR. _____
APPR. _____
SCALE: _____

SIZE D | CAGE NO | DRAWING NUMBER I808MT20

WT. = LBS. | ORIG. NO. | SHEET 13 of 15

CHILLER SYSTEM & CUSTOMER CONNECTION INTERFACE



*SHOULD BE A LABEL IN THE DRIVE ADJACENT TO THE JUMPER. "JUMPER BETWEEN 2 AND 24R MUST BE REMOVED FOR YD/YKEP APPLICATIONS"

⬡ CUSTOMER TERMINAL BLOCK

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
6					
5					
4					
3					
2					
1	09/07/17	ADDED TD/YKEP OPTION		JAT	AL
0	05/01/09	FIRST ISSUE		XZ	AL

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
13					
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REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
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YORK INTERNATIONAL CORPORATION
YORK , PA . 17405

DIMENSIONS ARE IN INCHES
DO NOT SCALE
TOLERANCES PER ENG. STD. M-282
WELDING PER ENG. STD. M-30
REF. DWG.

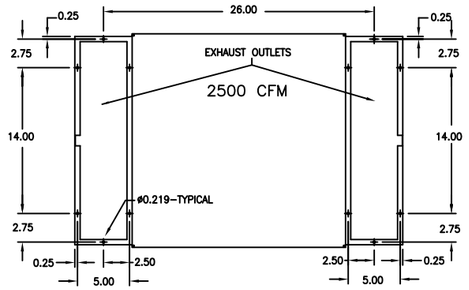
CHILLER SYSTEM TERMINAL CONNECTIONS

MATERIAL
TYPE _____ ENG. STD. ____
PART NO. _____
CUT SIZE _____

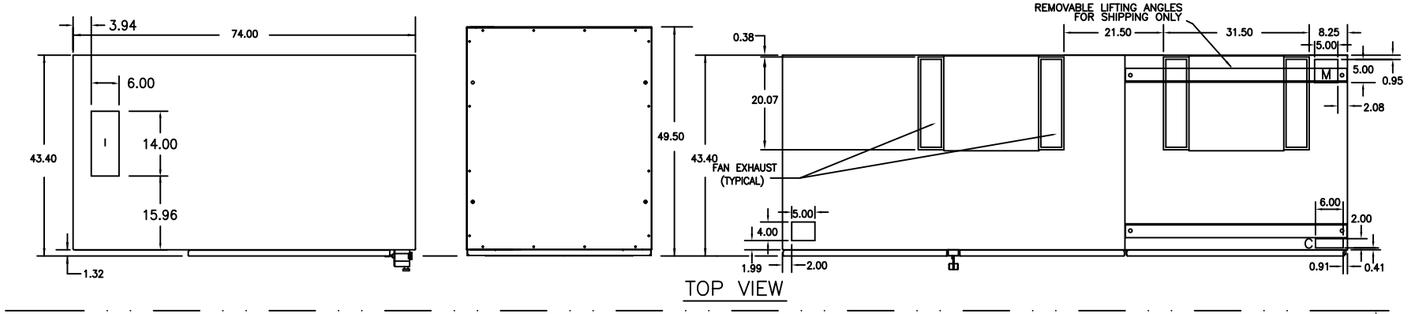
NAME DATE
DR. _____
APPR. _____
SCALE: _____

SIZE D | CAGE NO | DRAWING NUMBER 1808MT28

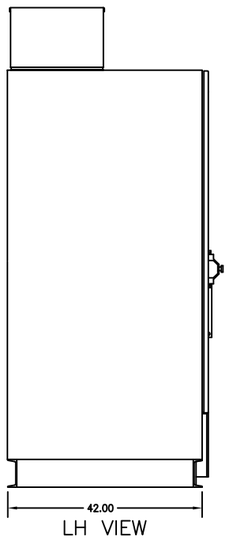
WT. = LBS. | ORIG. NO. | SHEET 14 of 15



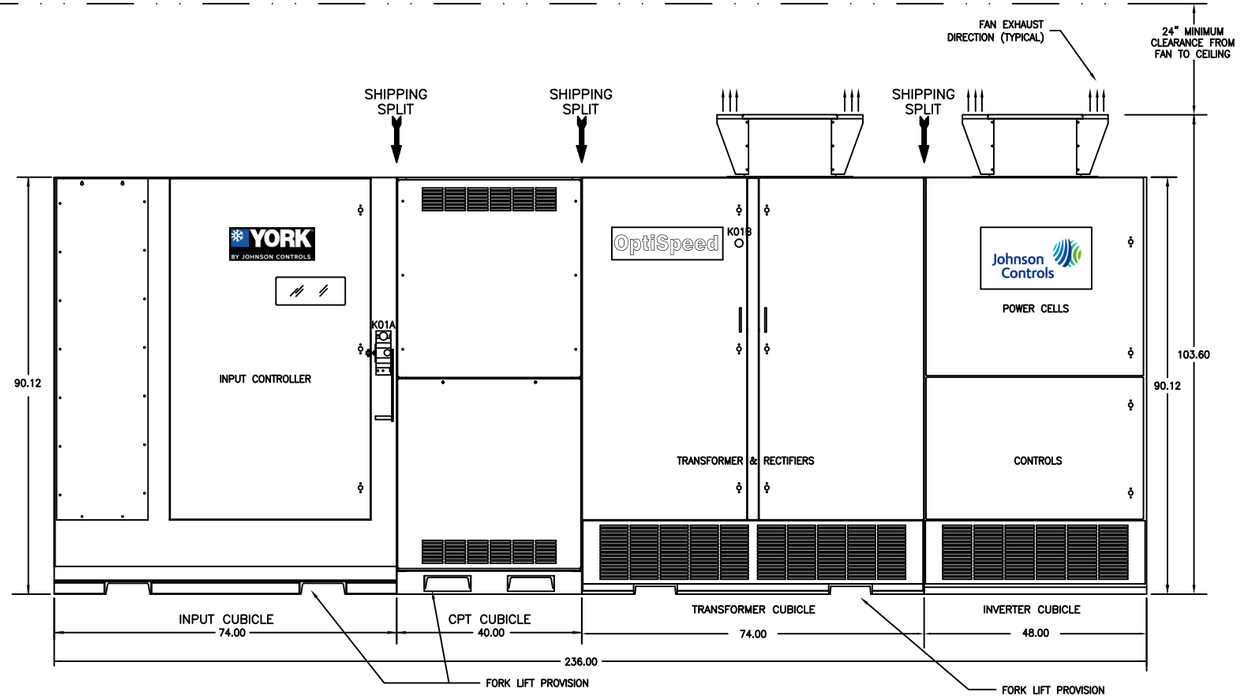
TYPICAL EXHAUST FAN HOLE PATTERN
FOR CUSTOMER DUCTWORK
(TOP VIEW)



TOP VIEW



LH VIEW

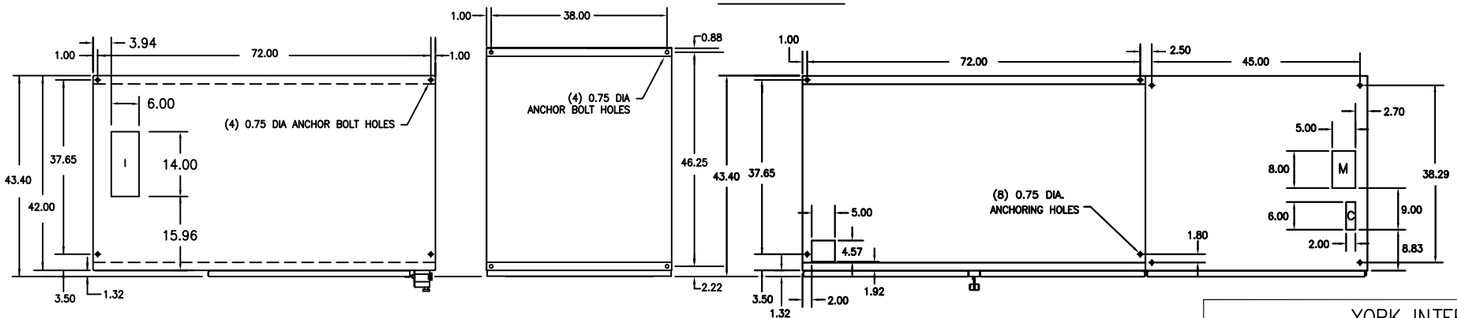


FRONT VIEW

CABLE TERMINATIONS			
ENTRY	INCOMING CABLES	MOTOR LEADS	CONTROL WIRE
TOP	I	M	C
BOTTOM	I	M	C
INCOMING TERMINATIONS USE NEMA 4–HOLE PATTERN MOTOR TERMINATIONS USE NEMA 4–HOLE PATTERN			

NOTES
1. ENCLOSURE TYPE: NEMA 1 W/GASKETED DOORS
2. ALL WEIGHTS ARE APPROXIMATE IN LBS
3. ALL DIMS ARE IN INCHES
4. POWER CELLS NEED TO BE REMOVED FOR ACCESS
5. SHIP ONLY 1 KEY FOR KEY INTERLOCK K01A/K01B

	1000HP	1250HP	1500HP	1750HP	2000HP
INPUT CUBICLE	2,500 lbs	2,500 lbs	2,500 lbs	2,500 lbs	2,500 lbs
CPT CUBICLE	1,400 lbs	1,400 lbs	1,400 lbs	1,400 lbs	1,400 lbs
TRANSFORMER CUBICLE	9,400 lbs	9,800 lbs	10,200 lbs	10,600 lbs	11,000 lbs
INVERTER CUBICLE	2,500 lbs	2,500 lbs	2,500 lbs	2,500 lbs	2,500 lbs



FLOOR PLAN VIEW

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
6					
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4					
3					
2	06/12/17	ADDED KK NOTE		JAT	AL
1	07/22/10	LABEL CHANGE		XZ	AL
0	05/01/09	FIRST ISSUE		XZ	AL

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
13					
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REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.
20					
19					
18					
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YORK INTERNATIONAL CORPORATION
YORK , PA . 17405

DIMENSIONS ARE IN INCHES
DO NOT SCALE
TOLERANCES PER ENG. STD. M-282
WELDING PER ENG. STD. M-30
REF. DWG.

OUTLINE
ENCLOSURE

MATERIAL
TYPE _____ ENG. STD. _____
PART NO. _____
CUT SIZE _____

NAME DATE
DR. _____
APPR. _____
SCALE: _____

SIZE D | CAGE NO | DRAWING NUMBER I808MT30

WT. = LBS. | ORIG. NO. | SHEET 15 of 15