

NAMEPLATE (NP) "A"

MATERIAL:
1 1/4" X 7" WHITE LAMINATED PHENOLIC WITH BLACK CORE LETTERS.
ATTACHED WITH STAINLESS STEEL SCREWS. 1/4" LETTER SIZE N.T.S.

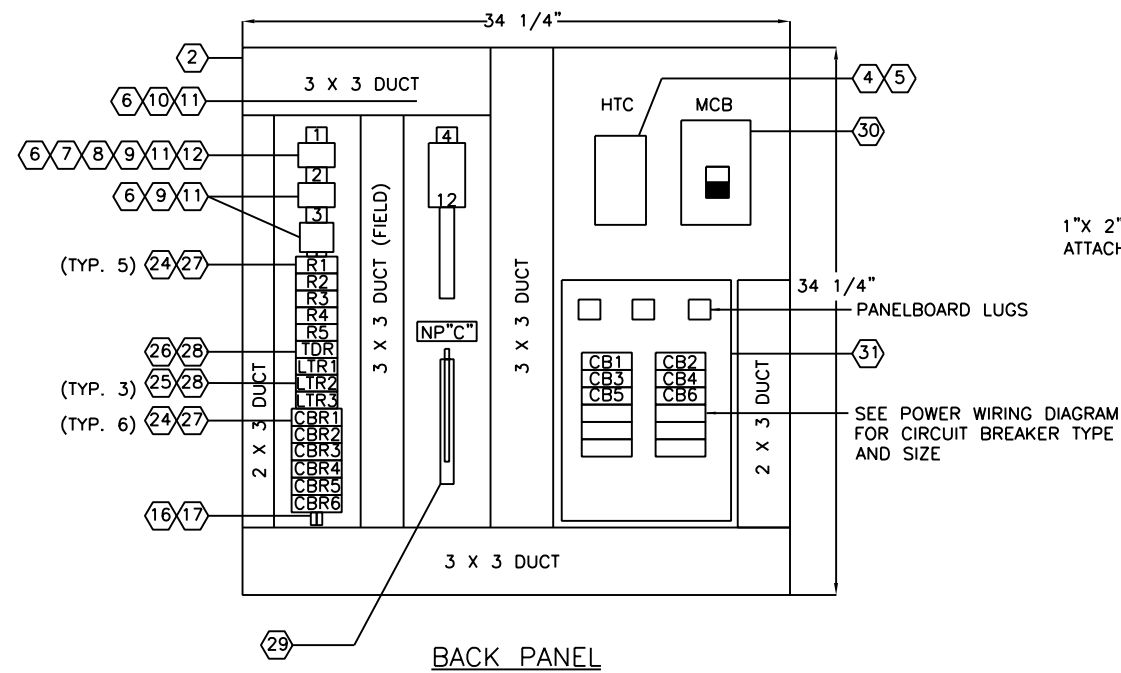
NAMEPLATE (NP) "B"

MATERIAL:
3 1/2" X 4" WHITE LAMINATED PHENOLIC WITH BLACK CORE LETTERS.
ATTACHED WITH STAINLESS STEEL SCREWS. 1/8" AND 1/4" LETTER SIZE N.T.S.

USE 75°C MINIMUM
COPPER CONDUCTORS
FOR FIELD WIRE

NAMEPLATE (NP) "C"

MATERIAL:
1" X 2" WHITE LAMINATED PHENOLIC WITH BLACK CORE LETTERS.
ATTACHED WITH STAINLESS STEEL SCREWS. 3/16" LETTER SIZE N.T.S.



TERMINAL TAGGING SCHEDULE			
NP	FIRST LINE	SECOND LINE	THIRD LINE
1	TB1	FUSE FU1 5 AMP	CONTROL POWER
2	TB2	AMBIENT THERMOSTAT	INPUT
3	TB3	ALARM	OUTPUT
4	TB4	LOAD POWER	

NAMEPLATE SCHEDULE					
NP	FIRST LINE	SECOND LINE	NP	FIRST LINE	SECOND LINE
1	MAIN DISCONNECT		9	CIRCUIT BREAKER	NO. 8 OFF
2	CIRCUIT BREAKER	NO. 1 OFF	10	CIRCUIT BREAKER	NO. 9 OFF
3	CIRCUIT BREAKER	NO. 2 OFF	11	POWER ON	
4	CIRCUIT BREAKER	NO. 3 OFF	12	HEAT TRACE CONTACTOR	ENERGIZED
5	CIRCUIT BREAKER	NO. 4 OFF	13	HEAT TRACE	HAND OFF AUTO
6	CIRCUIT BREAKER	NO. 5 OFF	14	COMMON ALARM	PUSH TO ACKNOWLEDGE
7	CIRCUIT BREAKER	NO. 6 OFF	15	HEAT TRACE CONTACTOR	FAILURE ALARM
8	CIRCUIT BREAKER	NO. 7 OFF	16	LAMP TEST	

LEGEND	
ITEM	DESCRIPTION
1	36" HIGH X 36" WIDE X 10" DEEP, NEMA 12, CARBON STEEL ENCLOSURE
2	34 1/4" HIGH X 34 1/4" WIDE BACK PANEL
3	MOUNTING FOOT KIT
4	3 POLE, 100 AMP RESISTIVE, 120 VOLT COIL, 600 VOLT, IEC CONTACTOR
5	1-NO AND NC AUXILIARY CONTACT BLOCK
6	TYPE SHT5, LABEL HOLDER AND CLEAR COVER
7	TYPE WSI 6/2 LED, 600 VAC, 16 AMP, FUSE TERMINAL BLOCK
8	TYPE WAP 2/5-10, FUSE END SECTION
9	TYPE WDU4, 600 VAC, 35 AMP, #22 - #10 AWG, WEMID, TERMINAL
10	TYPE WDU10, 600 VAC, 65 AMP, # 18 - #6 AWG, WEMID, TERMINAL BLOCK
11	TYPE WEW 35/2, WEMID END SECTION/ END BRACKET
12	5 AMP, 250 VOLT, 1/4" X 1 1/4" FUSE
13	2" WIDE X 3" HIGH WHITE WIRE DUCT WITH COVER
14	3" WIDE X 3" HIGH WHITE WIRE DUCT WITH COVER
15	GRAVOPLY LEGEND PLATE
16	RELAY SOCKET MOUNTING RAIL
17	END CLAMP
18	3 POSITION, MAINTAINED, FINGER-SAFE SELECTOR SWITCH
19	1 NO., BLACK, MOMENTARY, FINGER-SAFE PUSH BUTTON
20	120 VOLT AC, GREEN LED, PILOT LIGHT
21	120 VOLT AC, RED LED, PILOT LIGHT
22	COVER FOR "APW" PILOT LIGHT
23	120 VOLT AC, RED LED, MOMENTARY, FINGER-SAFE ILLUMINATED PUSH BUTTON
24	DPDT, 10 AMP, 120 VOLT AC COIL, BLADE TYPE RELAY
25	4PDT, 3 AMP, 120 VOLT AC COIL, BLADE TYPE RELAY
26	DPDT, 5 AMP, 120 VOLT AC COIL, ADJUSTABLE 3 SEC TO 30 MIN TIME RANGE, ON DELAY, TIMER
27	250 VOLT, 10 AMP, 8 BLADE, FINGER-SAFE SOCKET
28	250 VOLT, 7 AMP, 14 BLADE, FINGER-SAFE SOCKET
29	30 CIRCUIT, 225 AMP, EQUIPMENT GROUND BAR WITH ONE #1- #4/0 LUGS
30	3 POLE, 100 AMP, 22,000 AIC, 240 VOLT, THERMAL MAGNETIC MAIN CIRCUIT BREAKER
31	240 VOLT, 3 PHASE, 4 WIRE, 100 AMP, MAIN LUGS ONLY, COPPER BUS, 12 SPACE, PANELBOARD
32	1 POLE, 20 AMP, 120 VOLT, BOLT-ON, 30 MILLIAMP GROUND FAULT TRIP, CIRCUIT
33	1 POLE CIRCUIT BREAKER HANDLE PADLOCK
34	DOOR-MOUNTED CIRCUIT BREAKER OPERATING MECHANISM

1 HEAT TRACE FREEZE PROTECTION PANEL HTC-1

SCALE NTS

AAA ENGINEERING
W8/D8E CERTIFIED
3940 West Touhy Avenue, Suite 210, Niles, IL 60714
Phone: 847-647-9999 • Fax: 847-647-4719

TranSystems

USER NAME = habib	DESIGNED -	REVISED
PLOT SCALE = 0.2" = 1' in / in.	CHECKED -	REVISED
PLOT DATE = 10/28/2013	DRAWN -	REVISED
	CHECKED -	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEORIA STREET STATION
ELECTRICAL HEAT TRACE FREEZE PROTECTION PANEL (HTC-1)

PRELIMINARY NOT FOR CONSTRUCTION

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2090	2013-011R	COOK	356	283
CONTRACT NO. 60W29				

ILLINOIS FED. AID PROJECT

8/12/16 PM 283-60W29.dgn