

E/One Sentry™

Alarm Panel — Quad Protect Plus Package

Description

The E/One Quad Protect Plus panels are custom designed for use with Environment One Quad grinder pump stations. They can be configured to meet the needs of your application, from basic alarm indication to advanced warning of pending service requirements.

The E/One Quad Protect Plus panels are supplied with audible and visual high level alarms. They are easily installed in accordance with relevant national and local codes. Standard panels are approved by UL to ensure high quality and safety.

The panel features a corrosion-proof, NEMA 4X-rated, thermoplastic enclosure. A padlock is provided to prevent unauthorized entry (safety front).

Features

Includes most features of the basic configuration of the E/One Sentry Duplex panels, including circuit breakers, 240 VAC service, terminal blocks, ground lugs, audible alarm with manual silence, manual run feature, run indicator, conformal-coated board and overload protection.

Includes all features of the E/One Sentry Duplex Protect Plus package, including a Trouble indication that shuts down the pumps temporarily in the event of an unacceptable operating condition (brownout, system over-pressure, run-dry), as well as:

Predictive status display module

Pre-alarm indication for major operating parameters

Alarm indications for major operating parameters

Hour meter, cycle counter and alarm delay

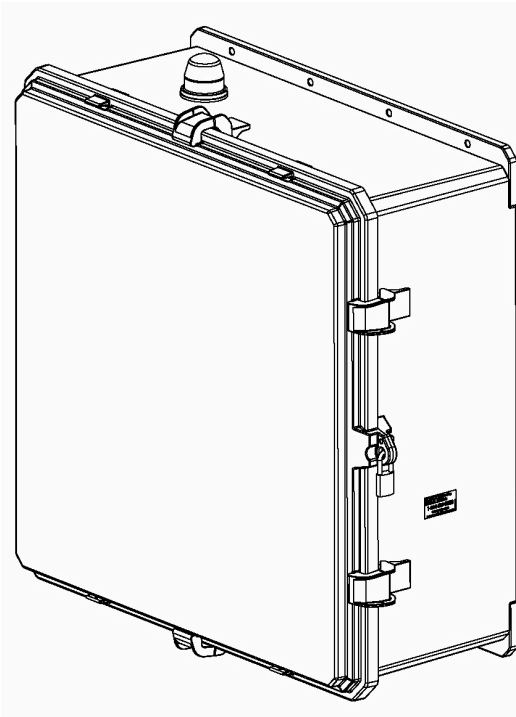
LCD display and user-friendly interface

Contact group — dry contacts and Remote Sentry contacts

Programmable User Settings

Optional Generator Receptacle w/ Auto Transfer

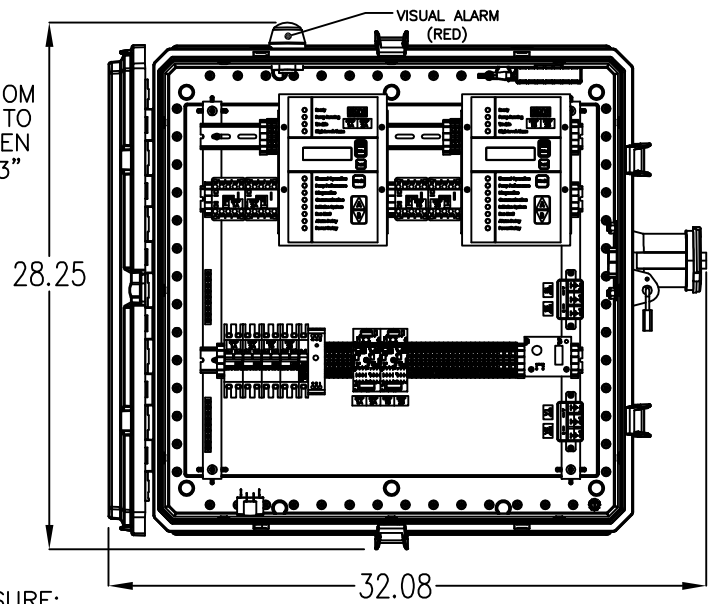
Optional Sentry Advisor - Cellular Monitoring System



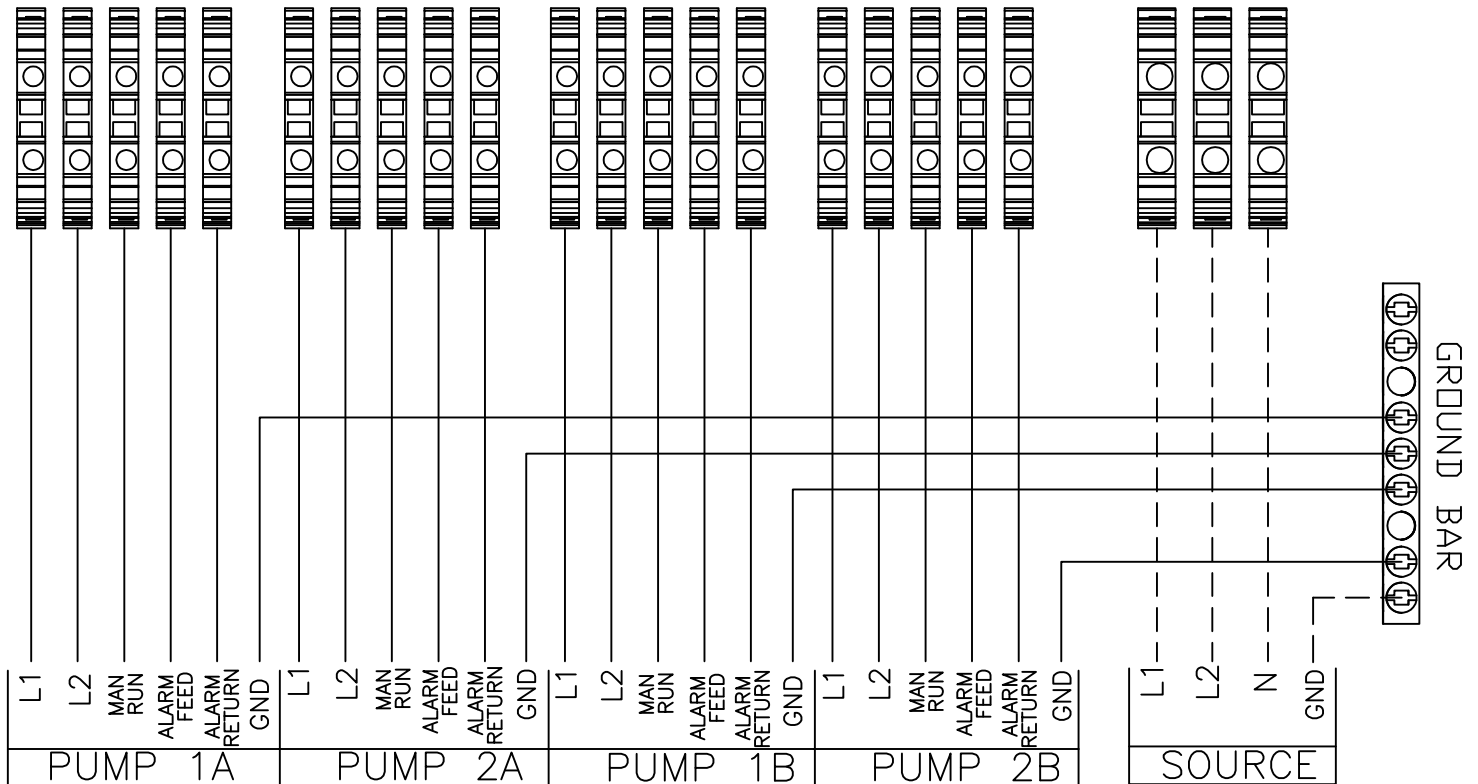
SENTRY PROTECT PLUS QUAD

- EXTERNAL VISUAL & AUDIBLE ALARM
- REMOTE SENTRY DRY CONTACTS FOR
 - OPTIONAL POWER LOSS HIGH LEVEL ALARM (POWER LOSS ALARM FOR WIRELESS)
- MANUAL ALARM SILENCE
- MANUAL RUN
- STATUS LED'S: NORMAL, PUMP RUNNING, HIGH LEVEL
- TROUBLE INDICATIONS: RUN DRY, OVERPRESSURE, BROWNOUT, VOLTAGE, EXTENDED RUN TIME
- DRY CONTACTS
- CONFORMAL COATED CIRCUIT BOARD (BOTH SIDES)
- PADLOCK
- PREDICTIVE ALARMS
- REAL TIME PUMP PERFORMANCE
- ADJUSTABLE ALARM DELAY
- ADJUSTABLE RUN TIME DELAY
- HOURLY/CYCLE COUNTER
- NEMA 4X ENCLOSURE ASSEMBLY
- GENERATOR RECEPTACLE W/ AUTO TRANSFER
- OPTIONAL SENTRY ADVISOR

DIMENSION FROM BACK PANEL TO FRONT OF OPEN DOOR = 37.13"



ENCLOSURE:
CORROSION PROOF THERMOPLASTIC POLYCARBONATE APPROVED BY UL FOR ELECTRICAL CONTROL ENCLOSURE



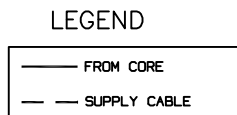
NOTES:

1. ONLY EXTERNAL PUMP AND POWER CONNECTIONS SHOWN.
2. REFER TO PACKET FOR FULL WIRE DETAIL.

A DEDICATED 50A CIRCUIT BREAKER IS REQUIRED

OLD / NEW WIRE COLOR MAP

PIN	FUNCTION	2000S	EXTREME
1	MANUAL RUN	RED	BROWN
2	L1	BLACK	RED
3	L2	WHITE	BLACK
4	GND	GREEN	GRN/YEL
5	ALARM FEED	ORANGE	YELLOW
6	ALARM RETURN	BLUE	BLUE



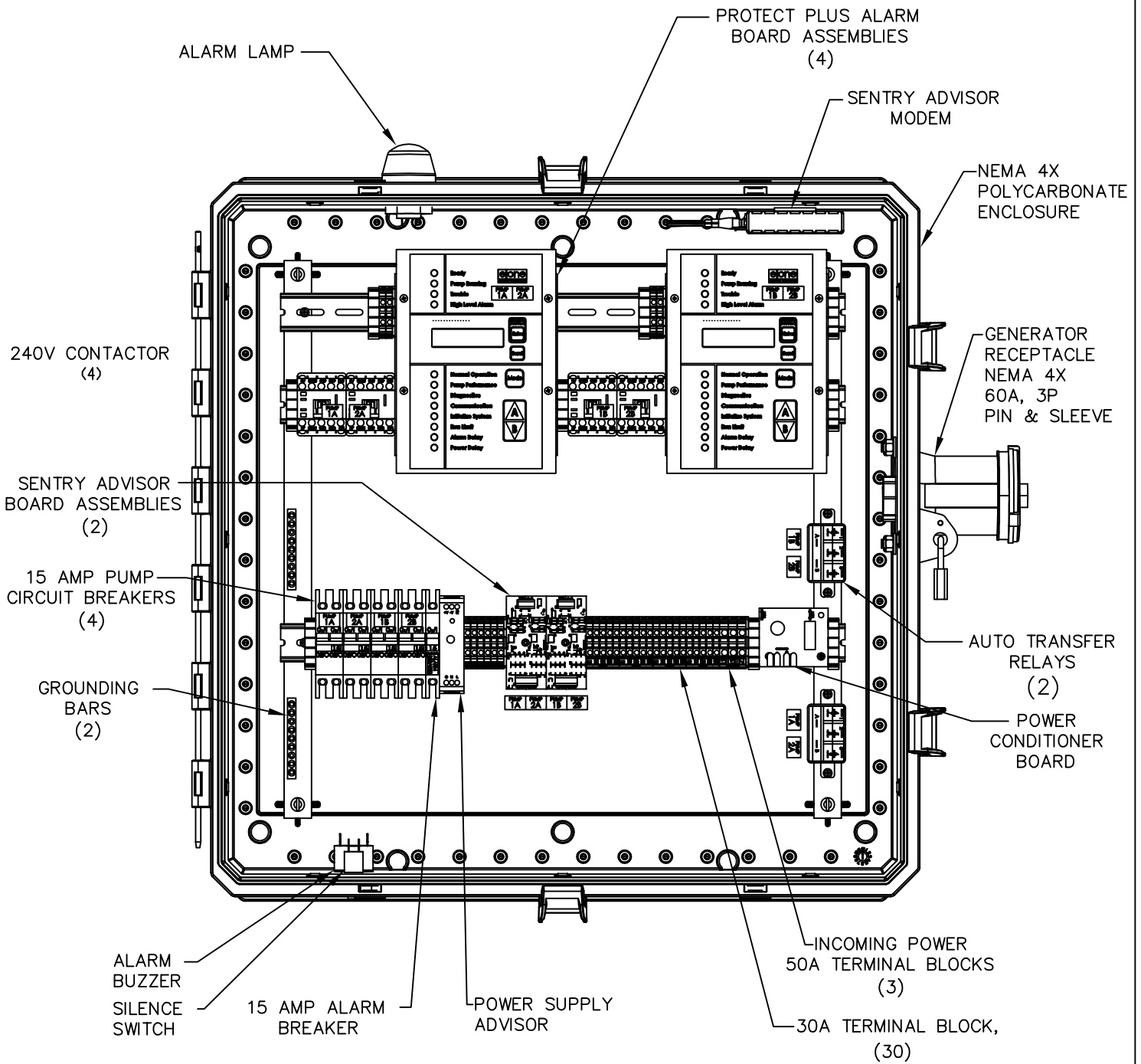
CONTROL CABLE:
TYPE TC: DIRECT BURIAL,
SIX CONDUCTOR

NKS	07/12/17	SGS	-	N/A
DR BY	DATE	CHK'D	ISSUE	SCALE



SENTRY PROTECT PLUS PANEL, QUAD
240V 60Hz DOUBLE POLE POWER

NA0632P02



MODEL QUAD PROTECT PLUS
PART NUMBER NC0412G01

PIN	FUNCTION	2000S	EXTREME
1	MANUAL RUN	RED	BROWN
2	L1	BLACK	RED
3	L2	WHITE	BLACK
4	GND	GREEN	GRN/YEL
5	ALARM FEED	ORANGE	YELLOW
6	ALARM RETURN	BLUE	BLUE



LISTED 506D

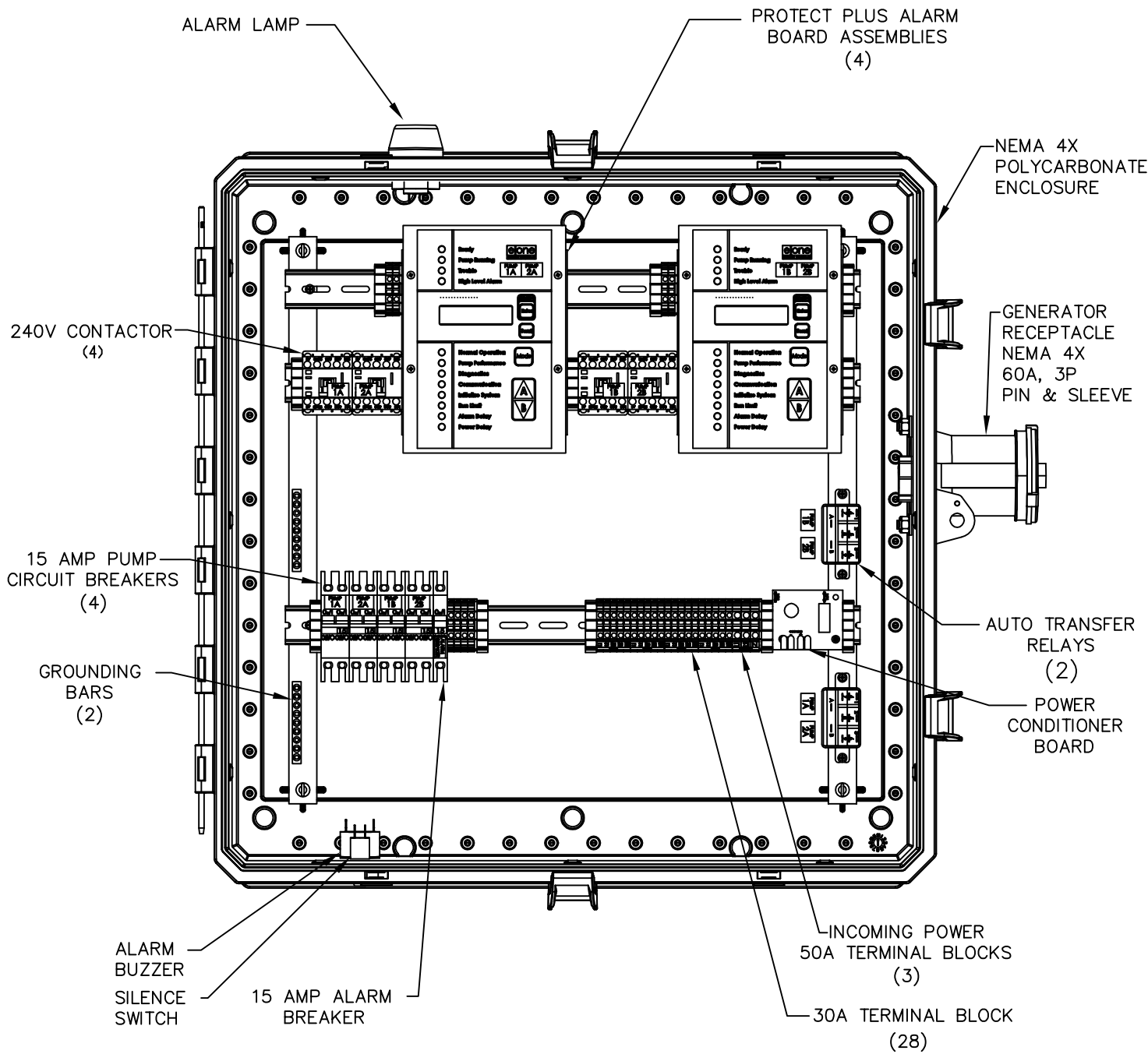
NKS	SGS	07-17-17	-	N/A
DR BY	CHK'D	DATE	ISSUE	SCALE



SEWER SYSTEMS

QUAD PROTECT PLUS PANEL W/ ADVISOR,
240V 60Hz DOUBLE POLE POWER
WIRED LEVEL CONTROL

NA0632P03



MODEL QUAD PROTECT PLUS
PART NUMBER NC0412G02

PIN	FUNCTION	2000S	EXTREME
1	MANUAL RUN	RED	BROWN
2	L1	BLACK	RED
3	L2	WHITE	BLACK
4	GND	GREEN	GRN/YEL
5	ALARM FEED	ORANGE	YELLOW
6	ALARM RETURN	BLUE	BLUE



LISTED 506D

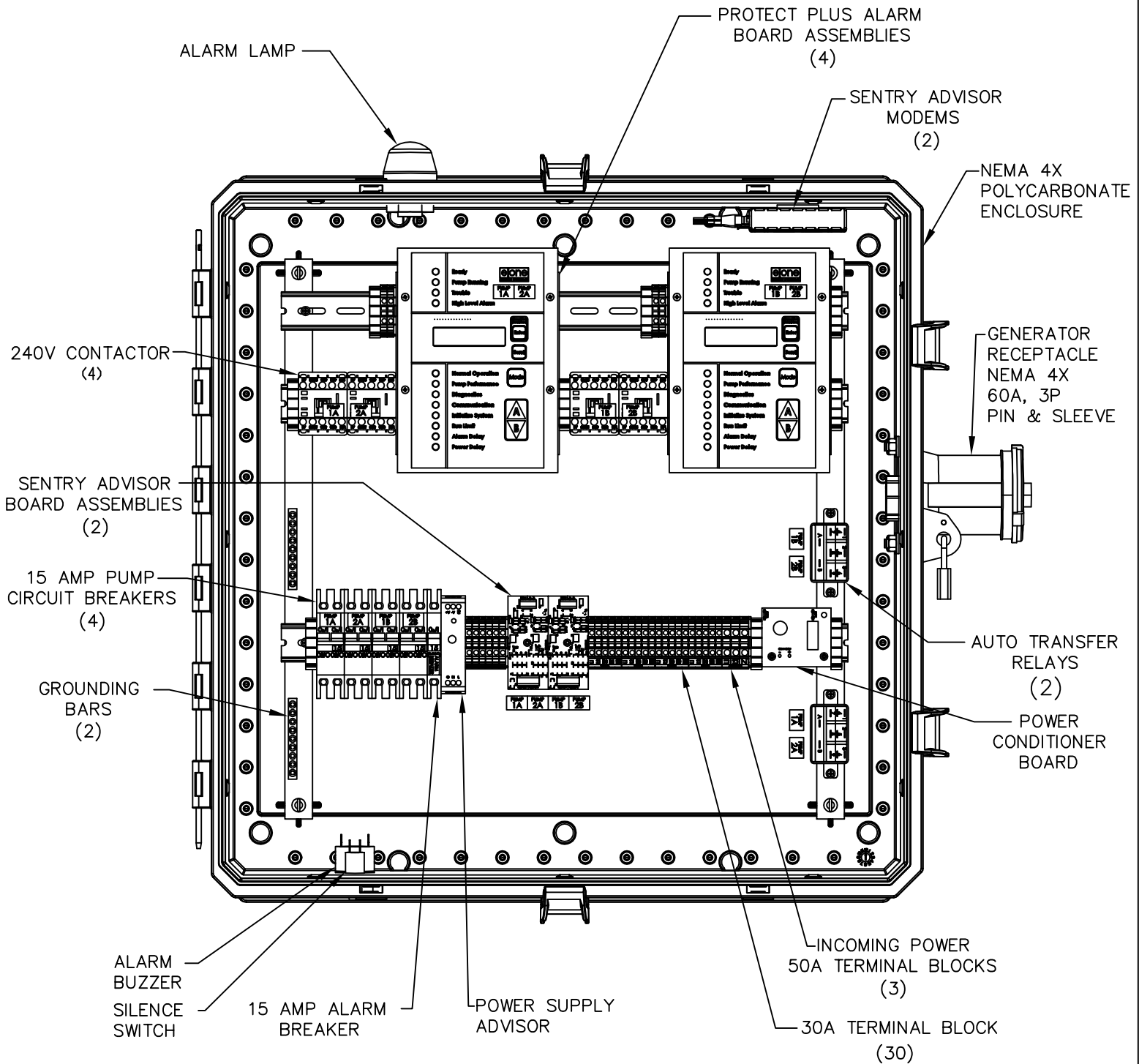
NKS	SGS	07-17-17	-	N/A
DR BY	CHK'D	DATE	ISSUE	SCALE



SEWER SYSTEMS

QUAD PROTECT PLUS PANEL W/ GEN
240V 60Hz DOUBLE POLE POWER
WIRED LEVEL CONTROL

NA0632P04



MODEL QUAD PROTECT PLUS
PART NUMBER NC0412G03

PIN	FUNCTION	2000S	EXTREME
1	MANUAL RUN	RED	BROWN
2	L1	BLACK	RED
3	L2	WHITE	BLACK
4	GND	GREEN	GRN/YEL
5	ALARM FEED	ORANGE	YELLOW
6	ALARM RETURN	BLUE	BLUE



LISTED 506D

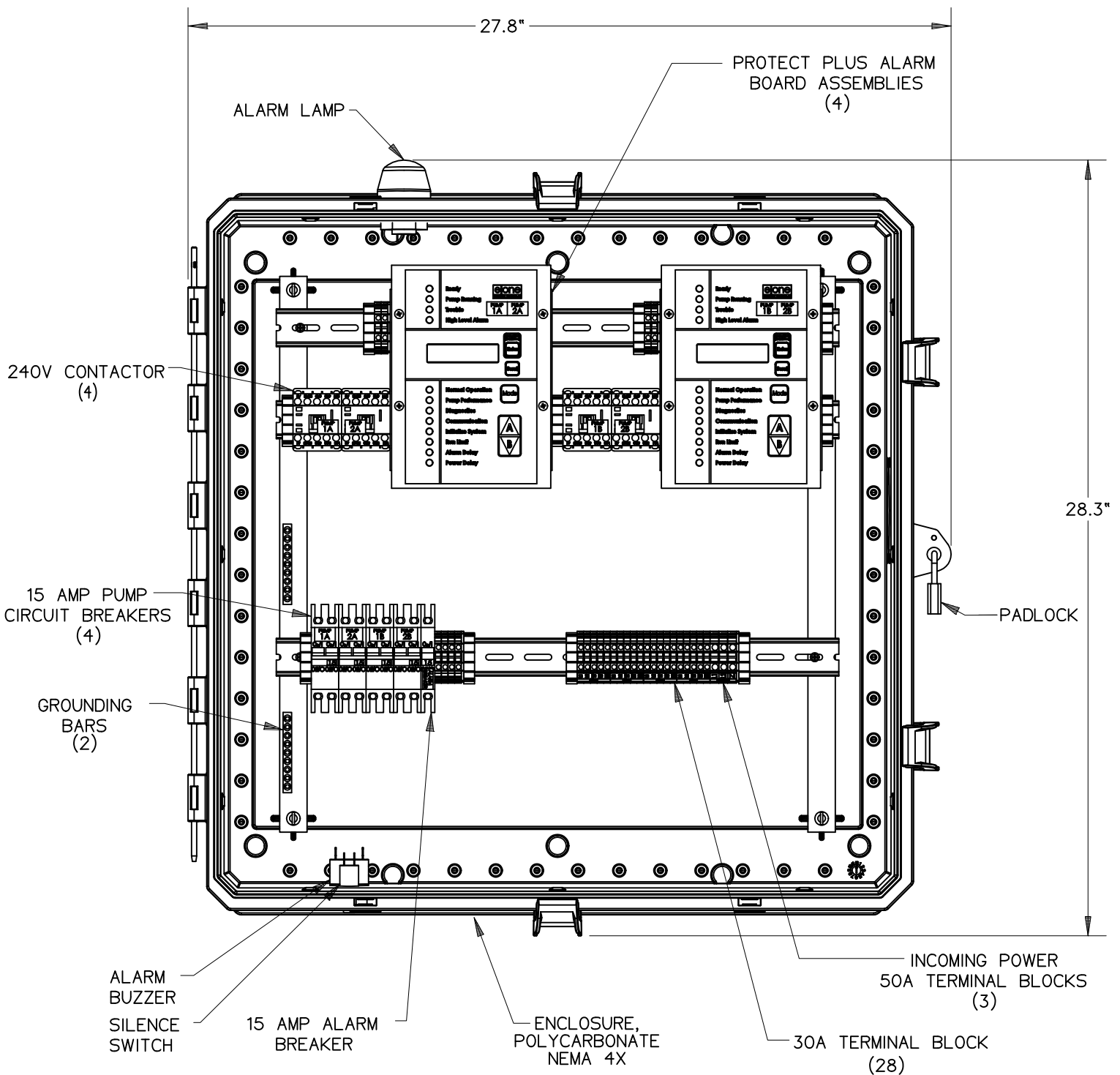
NKS	SGS	07-13-17	-	N/A
DR BY	CHK'D	DATE	ISSUE	SCALE



SEWER SYSTEMS

QUAD PROTECT PLUS PANEL W/ ADVISOR,
240V 60Hz DOUBLE POLE POWER
WIRED LEVEL CONTROL

NA0632P05



MODEL QUAD PROTECT PLUS
PART NUMBER NCO412G04

PIN	FUNCTION	2000S	EXTREME	EXPLOSION PROOF
1	MANUAL RUN	RED	BROWN	RED
2	L1	BLACK	RED	BLACK
3	L2	WHITE	BLACK	WHITE
4	GND	GREEN	GRN/YEL	GREEN
5	ALARM FEED	ORANGE	YELLOW	ORANGE
6	ALARM RETURN	BLUE	BLUE	BLUE
-	NOT USED	-	-	WHT/BLK



LR28268



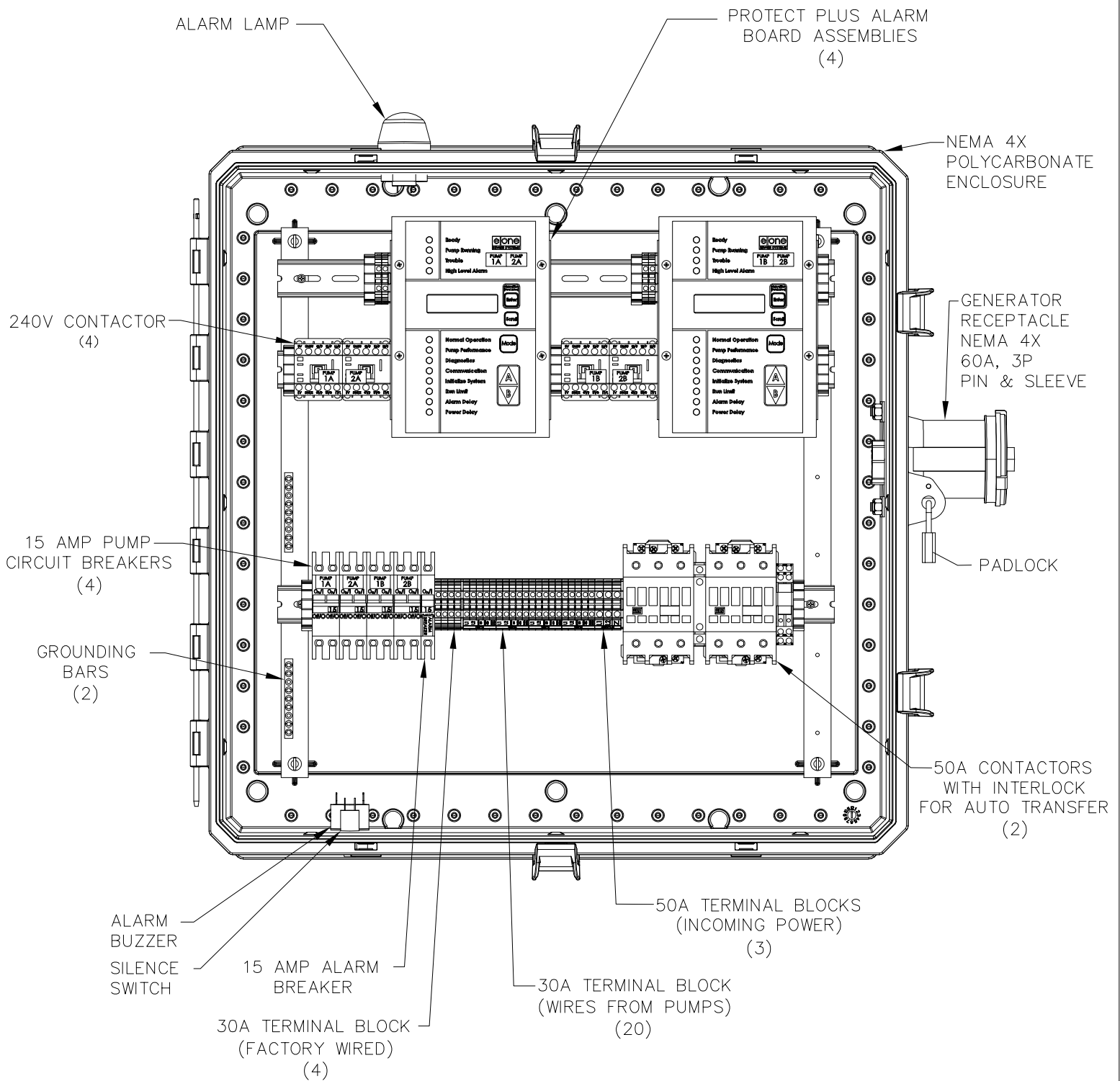
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NKS	SGS	04/12/21	B	N/A
DR BY	CHK'D	DATE	ISSUE	SCALE



QUAD PROTECT PLUS PANEL
240V 60Hz DOUBLE POLE POWER

NA0632P06



MODEL QUAD PROTECT PLUS
PART NUMBER NC0412G05 (-CSA)

PIN	FUNCTION	2000S	EXTREME
1	MANUAL RUN	RED	BROWN
2	L1	BLACK	RED
3	L2	WHITE	BLACK
4	GND	GREEN	GRN/YEL
5	ALARM FEED	ORANGE	YELLOW
6	ALARM RETURN	BLUE	BLUE



LR28268



LISTED 506D

NKS	SGS	01-15-18	-	N/A
DR BY	CHK'D	DATE	ISSUE	SCALE



SEWER SYSTEMS

QUAD PROTECT PLUS PANEL W/ GEN
240V 60Hz DOUBLE POLE POWER
WIRED LEVEL CONTROL

NA0632P07