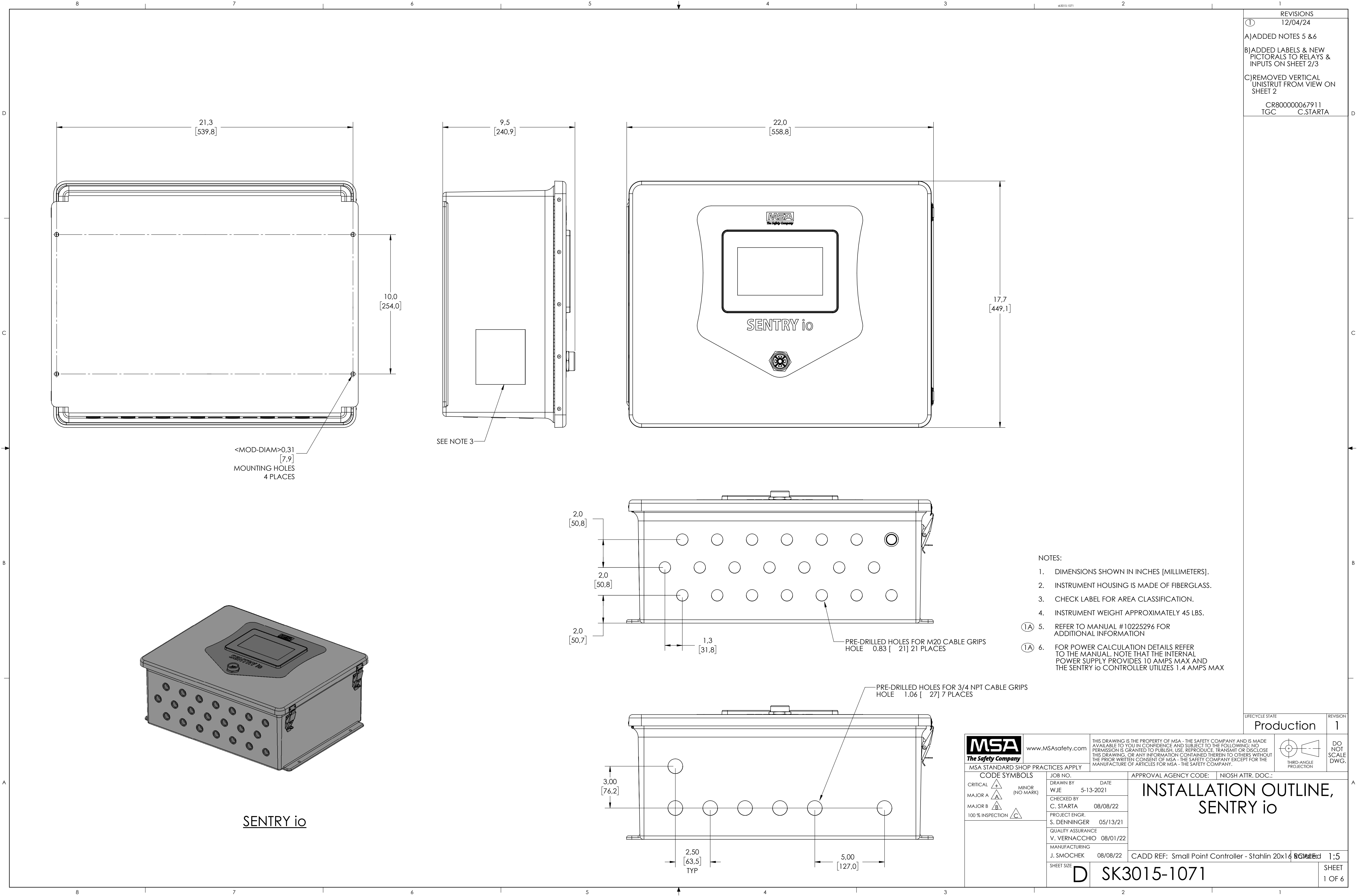
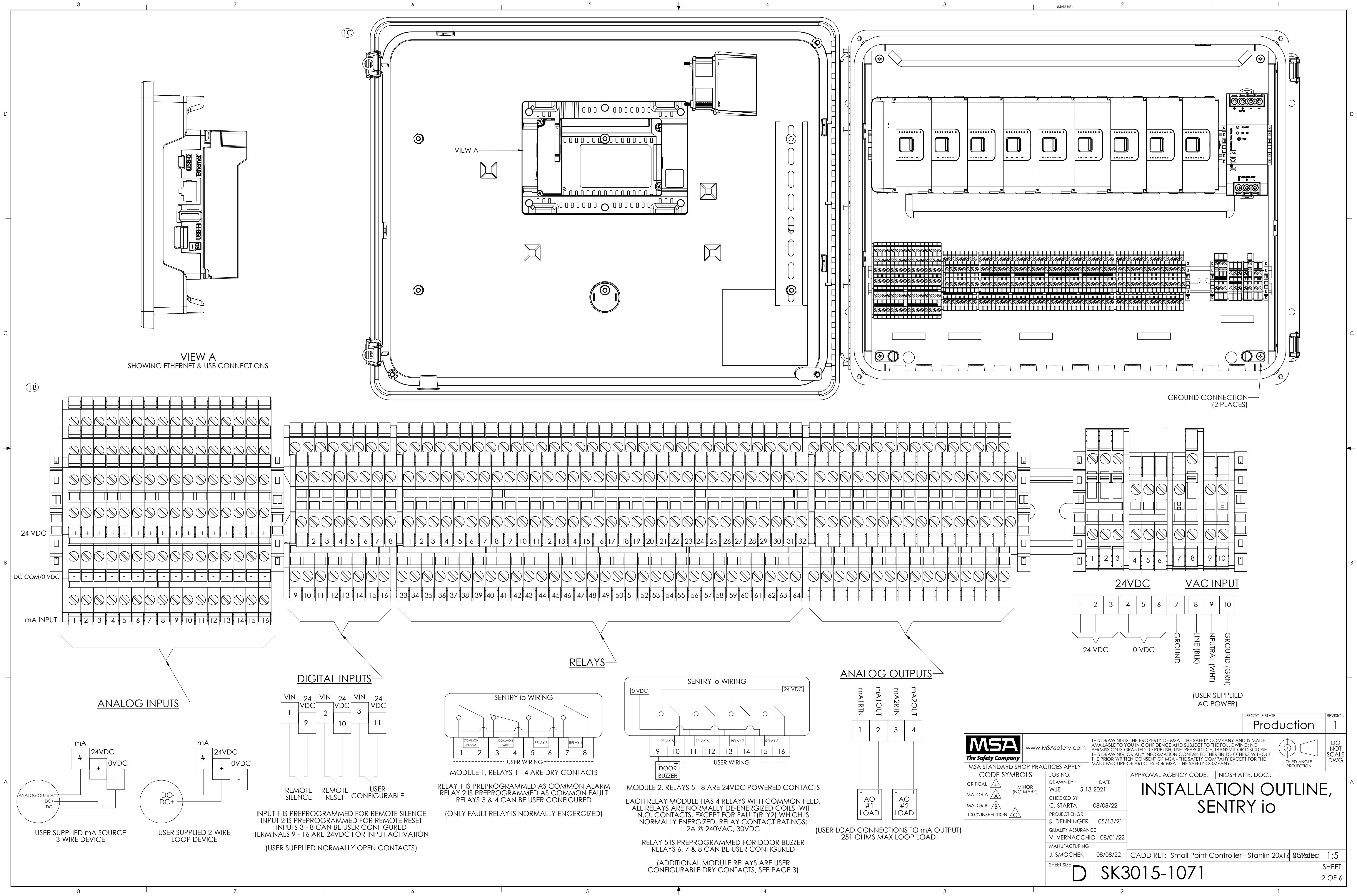






VIEW A
SHOWING ETHERNET & USB CONNECTIONS

GROUND CONNECTION
(2 PLACES)

24VDC VAC INPUT

24VDC 0VDC

GROUND (GRN)
LINE (BLK)
NEUTRAL (WHT)

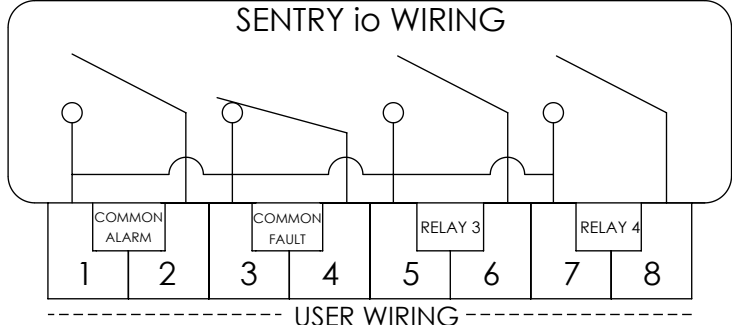
(USER SUPPLIED
AC POWER)

ANALOG INPUTS

DIGITAL INPUTS

RELAYS

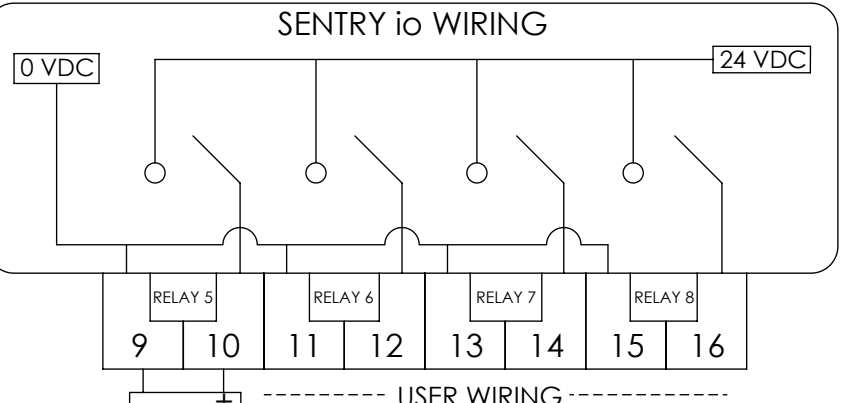
ANALOG OUTPUTS



MODULE 1, RELAYS 1 - 4 ARE DRY CONTACTS

RELAY 1 IS PREPROGRAMMED AS COMMON ALARM
RELAY 2 IS PREPROGRAMMED AS COMMON FAULT
RELAYS 3 & 4 CAN BE USER CONFIGURED

(ONLY FAULT RELAY IS NORMALLY ENERGIIZED)

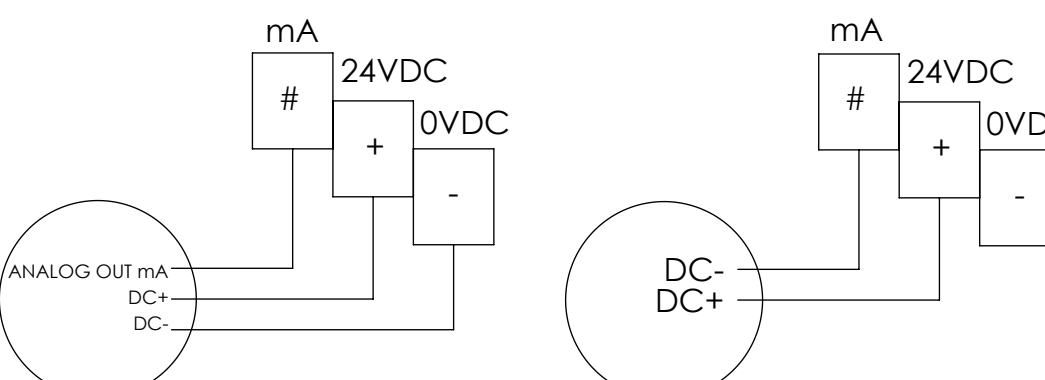


MODULE 2, RELAYS 5 - 8 ARE 24VDC POWERED CONTACTS

EACH RELAY MODULE HAS 4 RELAYS WITH COMMON FEED.
ALL RELAYS ARE NORMALLY DE-ENERGIIZED COILS, WITH
N.O. CONTACTS, EXCEPT FOR FAULT(RLY2) WHICH IS
NORMALLY ENERGIIZED. RELAY CONTACT RATINGS:
2A @ 240VAC, 30VDC

RELAY 5 IS PREPROGRAMMED FOR DOOR BUZZER
RELAYS 6, 7 & 8 CAN BE USER CONFIGURED

(ADDITIONAL MODULE RELAYS ARE USER
CONFIGURABLE DRY CONTACTS, SEE PAGE 3)



USER SUPPLIED mA SOURCE
3-WIRE DEVICE

USER SUPPLIED 2-WIRE
LOOP DEVICE



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MSA STANDARD SHOP PRACTICES APPLY

CODE SYMBOLS

CRITICAL MAJOR A MINOR (NO MARK)

MAJOR B 100% INSPECTION

JOB NO. DATE

DRAWN BY WJE 5-13-2021

CHECKED BY C. STARTA 08/08/22

PROJECT ENGR. S. DENNINGER 05/13/21

QUALITY ASSURANCE V. VERNACCHIO 08/01/22

MANUFACTURING J. SMOCHER 08/08/22

SHEET SIZE

APPROVAL AGENCY CODE: NIOSH ATTR. DOC.:

INSTALLATION OUTLINE, SENTRY io

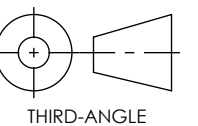
CADD REF: Small Point Controller - Stahlin 20x16 80x16 1:5

SK3015-1071

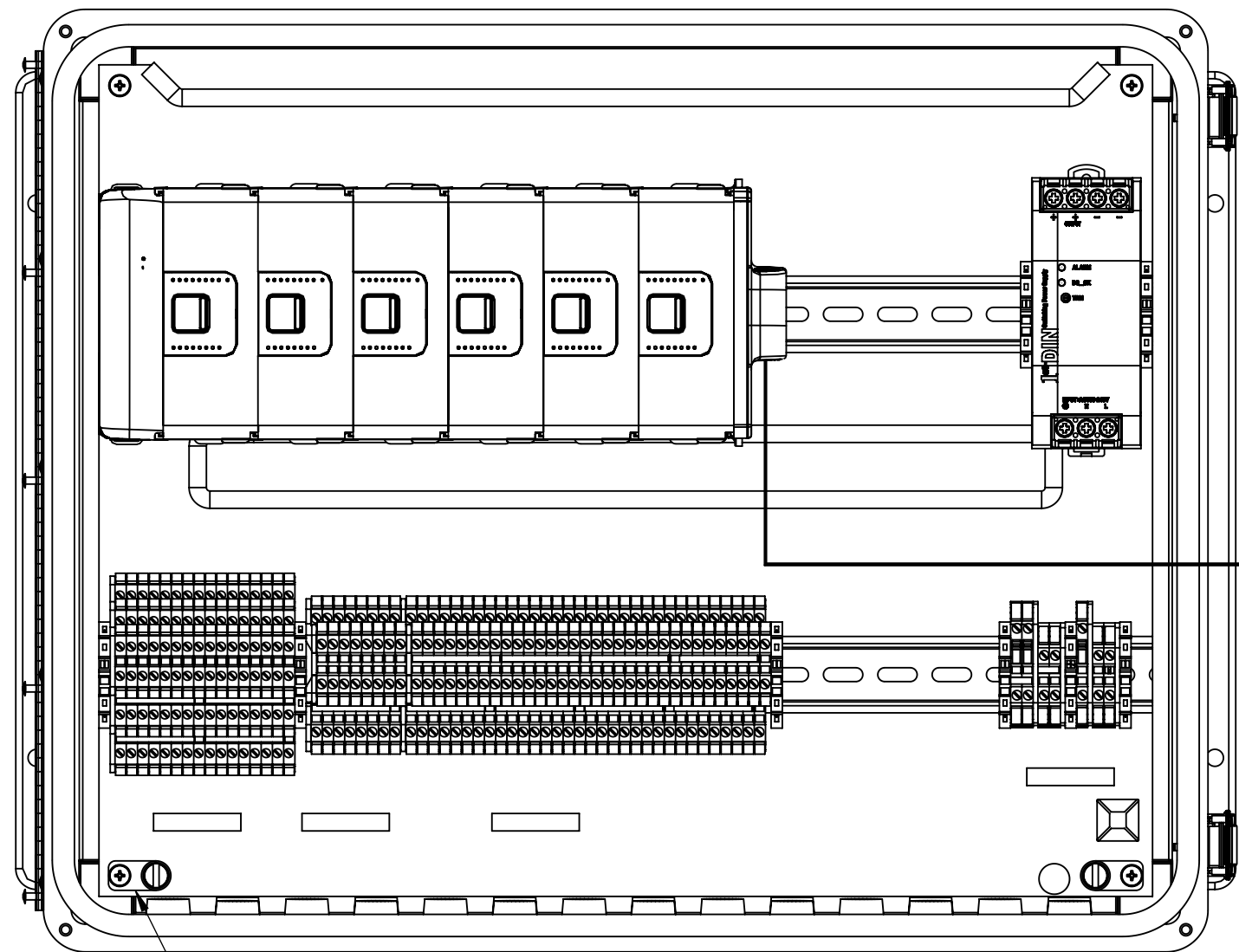
SHEET
2 OF 6

Production

1

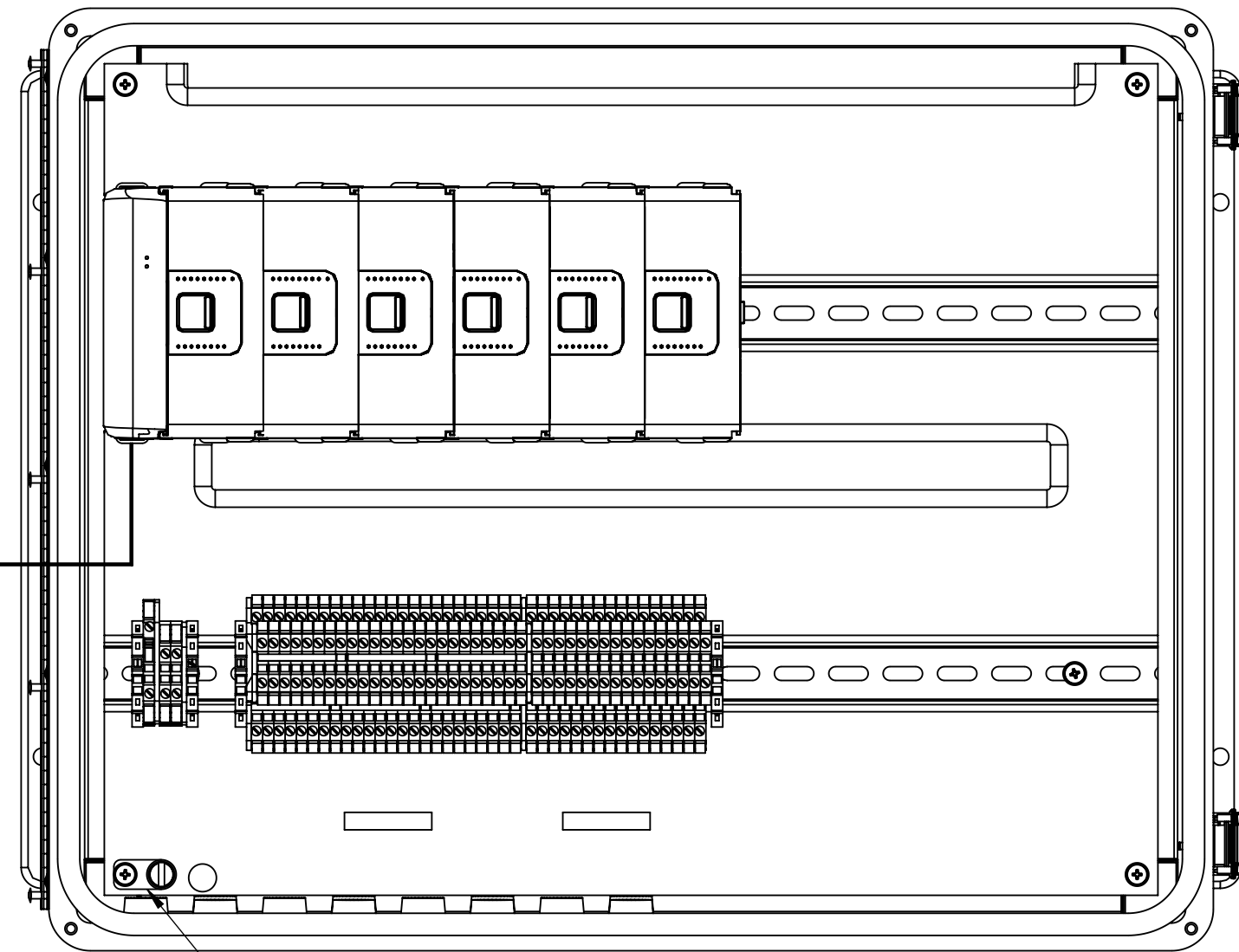


DO NOT
SCALE
DWG.



GROUND CONNECTION
(2 PLACES)

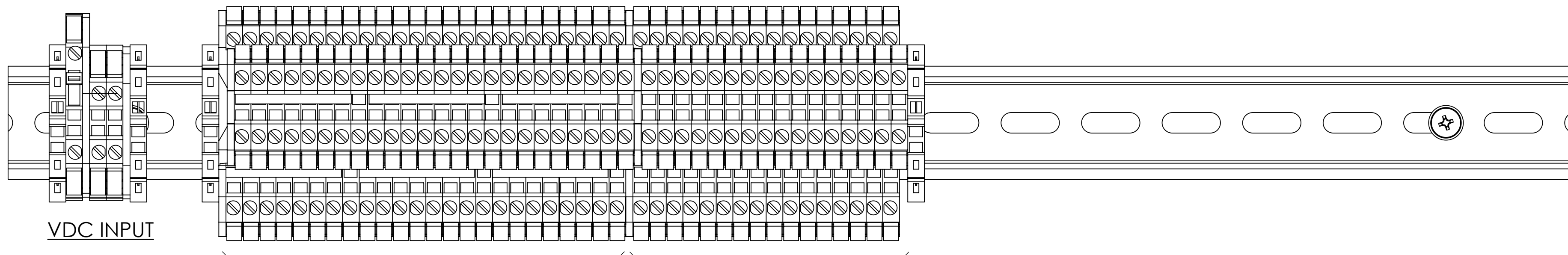
SENTRY io



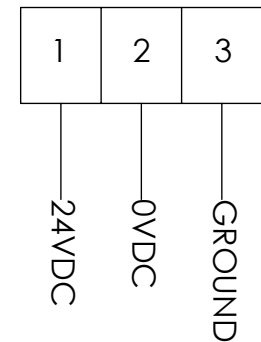
GROUND CONNECTION

EXPANSION UNIT

EXPANSION MODULE
INTERCONNECT CABLE
(PROVIDED)

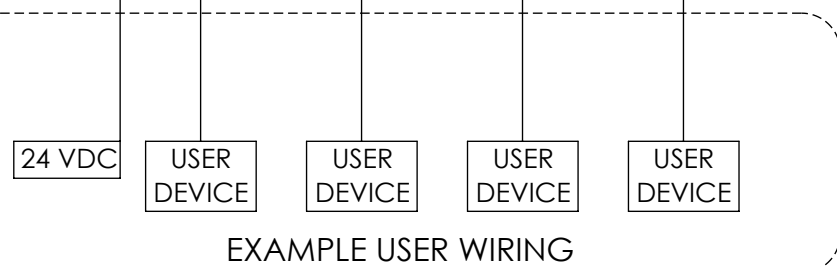
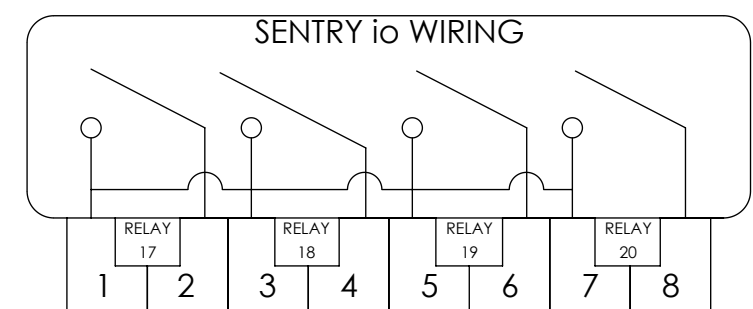


VDC INPUT



(EXPANSION UNIT POWER CABLE
FROM SENTRY io MAIN CABINET
24 VDC TERMINAL BLOCKS)

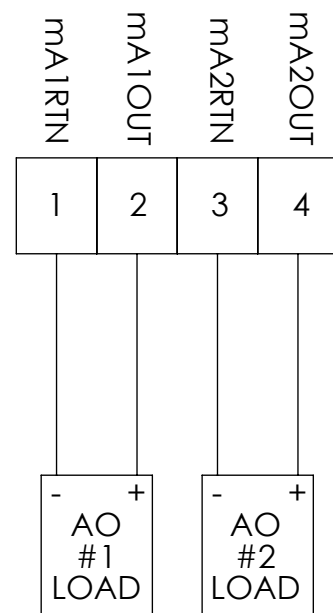
RELAYS



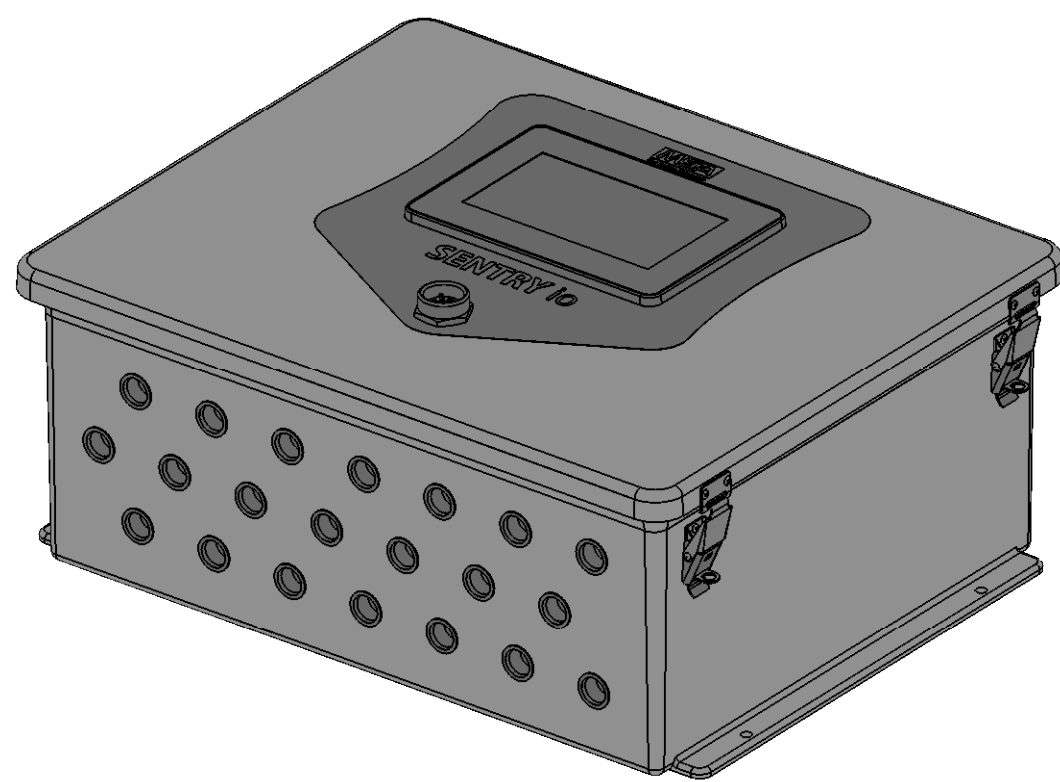
EXAMPLE USER WIRING

(ADDITIONAL MODULES ARE USER CONFIGURABLE DRY CONTACTS
TYPICAL ARRANGEMENT SHOWN)

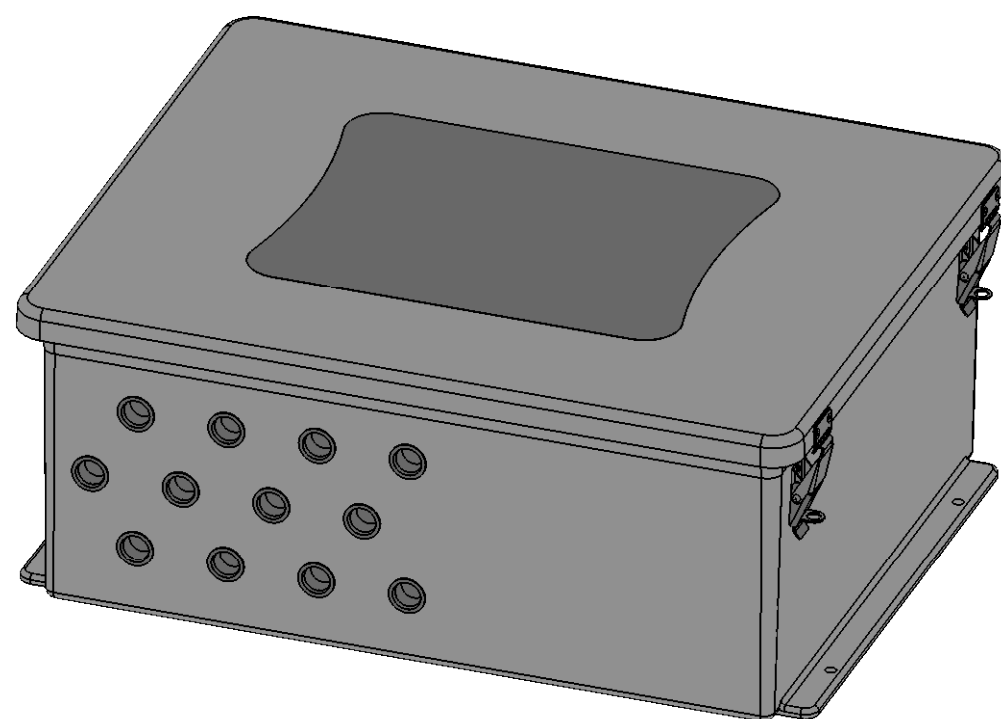
ANALOG OUTPUTS



(USER LOAD CONNECTIONS TO mA OUTPUT)



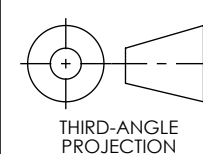
SENTRY io
WITH
EXPANSION UNIT



REVISIONS

LIFECYCLE STATE
Production

REVISION
1



DO
NOT
SCALE
DWG.



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MSA STANDARD SHOP PRACTICES APPLY

CODE SYMBOLS

CRITICAL MAJOR A MAJOR B 100% INSPECTION

JOB NO.
DRAWN BY
WJE
DATE
5-13-2021
CHECKED BY
C. STARTA
PROJECT ENGR.
S. DENNINGER
05/13/21
QUALITY ASSURANCE
V. VERNACCHIO
08/01/22
MANUFACTURING
J. SMOCHER
08/08/22

APPROVAL AGENCY CODE: NIOSH ATTR. DOC.:

INSTALLATION OUTLINE, SENTRY io

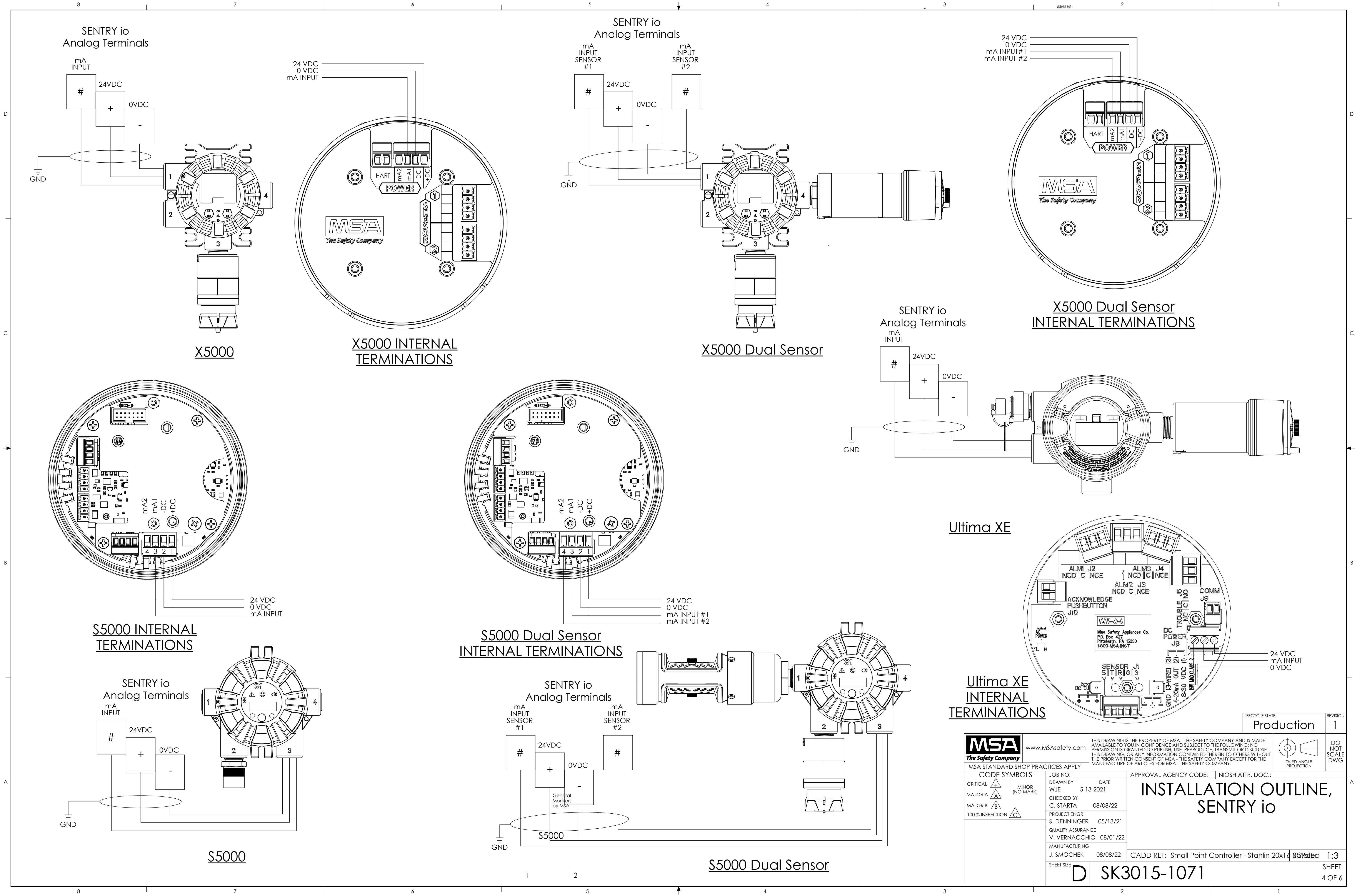
CADD REF: Small Point Controller - Stahlin 20x16 8/21/22

SHEET SIZE

D

SK3015-1071

SHEET
3 OF 6



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MSA STANDARD SHOP PRACTICES APPLY

CODE SYMBOLS	
CRITICAL	▲
MAJOR A	▲
MAJOR B	▲
100% INSPECTION	▲
MINOR (NO MARK)	▲

JOB NO.	DATE
DRAWN BY WJE	5-13-2021
CHECKED BY C. STARTA	08/08/22
PROJECT ENGR. S. DENNINGER	05/13/21
QUALITY ASSURANCE V. VERNACCHIO	08/01/22
MANUFACTURING J. SMOCHER	08/08/22

APPROVAL AGENCY CODE: NIOSH ATTR. DOC.:

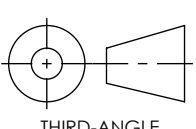
INSTALLATION OUTLINE, SENTRY io

CADD REF: Small Point Controller - Stahlin 20x16 80x16 1:3

SHEET SIZE

D SK3015-1071

SHEET
4 OF 6



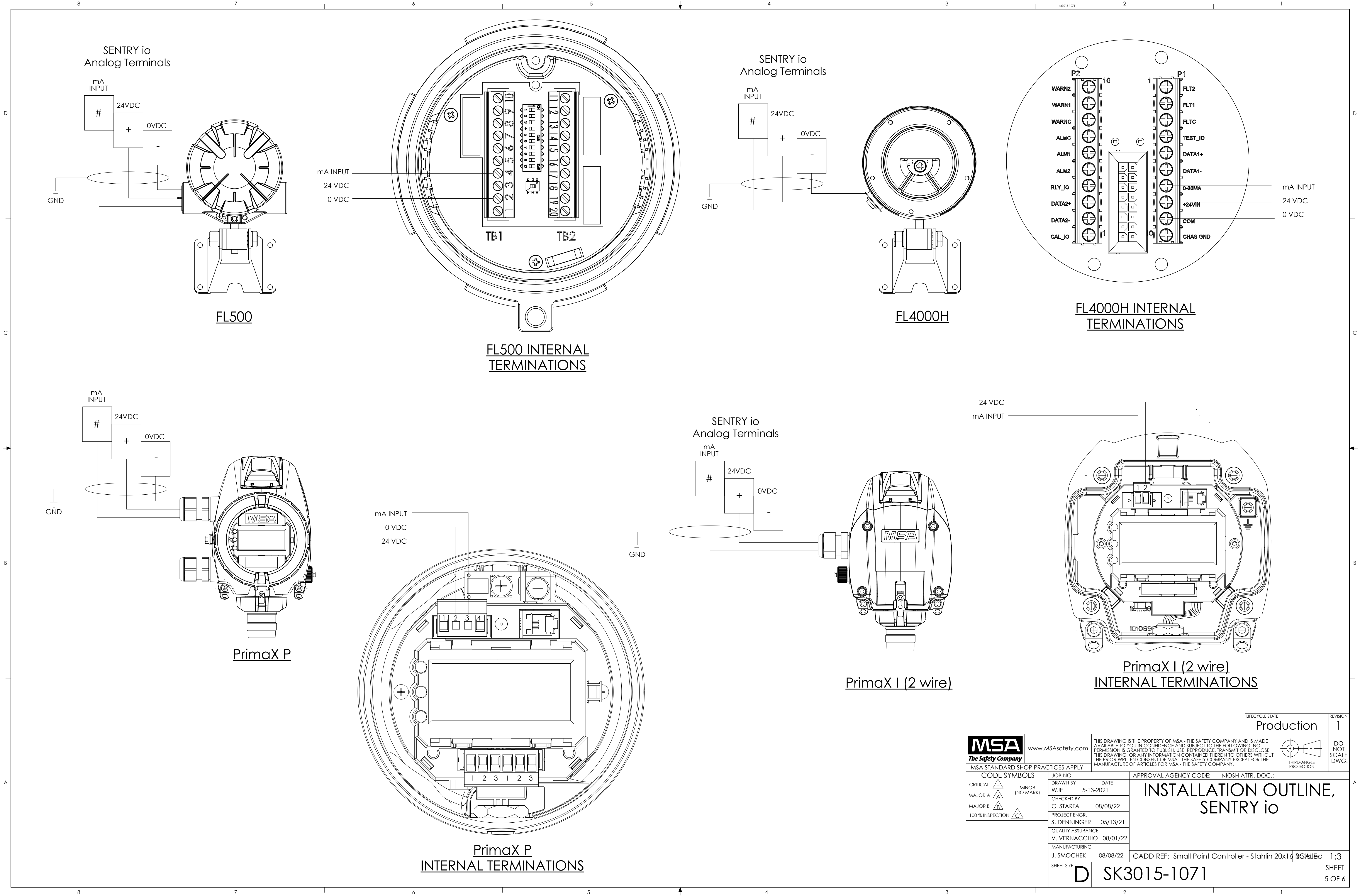
DO NOT SCALE DWG.

Production

1

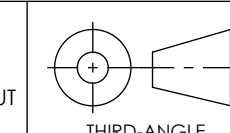
LIFECYCLE STATE

REVISION



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DO NOT SCALE DWG.

MSA STANDARD SHOP PRACTICES APPLY		LIFECYCLE STATE		REVISION	
CODE SYMBOLS		APPROVAL AGENCY CODE:		NIOSH ATTR. DOC.:	
CRITICAL	MINOR (NO MARK)	JOB NO.	DATE	Production	
MAJOR A	MAJOR B	WJE	5-13-2021	1	
100 % INSPECTION		CHECKED BY	08/08/22	DO NOT SCALE DWG.	
		C. STARTA	08/08/22		
		PROJECT ENGR.	05/13/21		
		S. DENNINGER	05/13/21		
		QUALITY ASSURANCE	08/01/22		
		V. VERNACCHIO	08/01/22		
		MANUFACTURING	08/08/22		
		J. SMOCHER	08/08/22		
		SHEET SIZE	D		
		CADD REF:	Small Point Controller - Stahlin 20x14		
		Scale	1:3		
		SHEET	5 OF 6		

INSTALLATION OUTLINE, SENTRY io

SK3015-1071

