

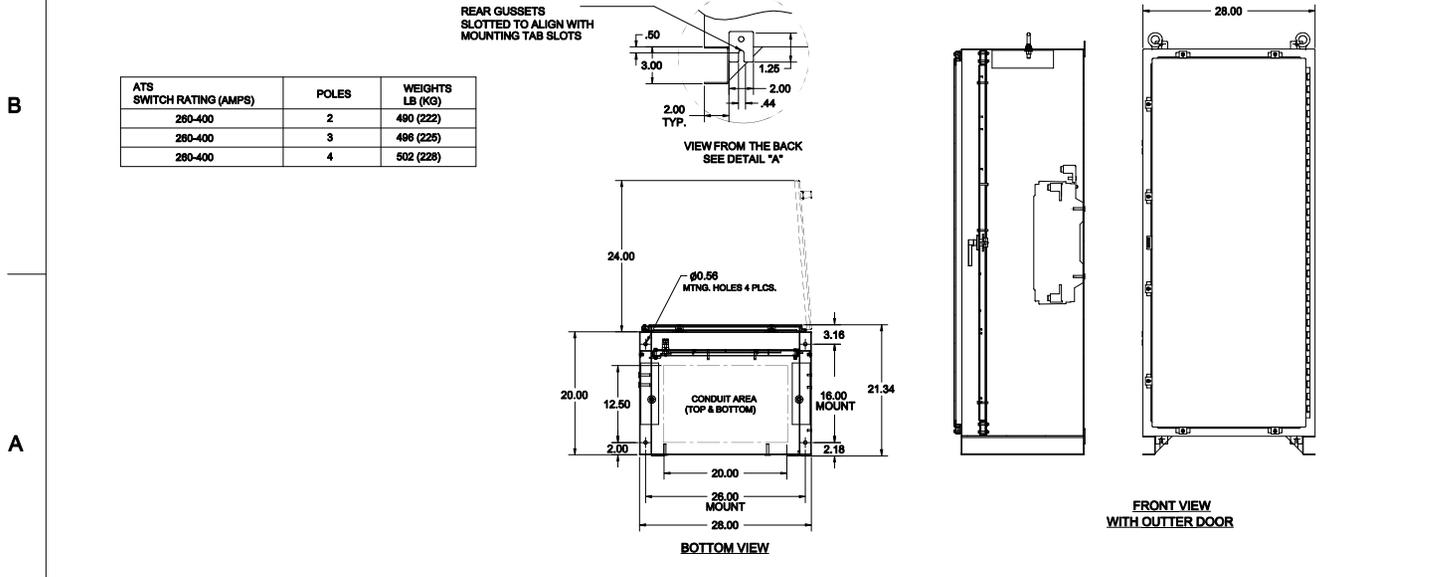
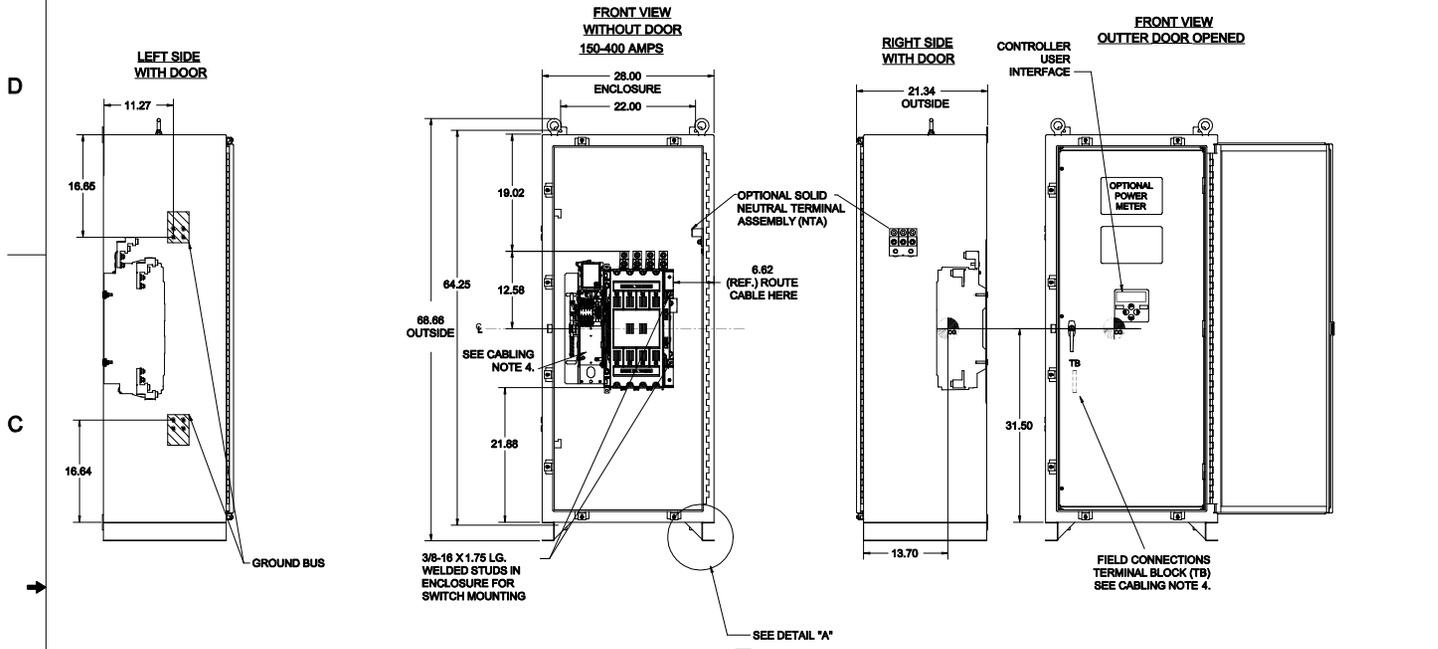
ATS Submittal

Transfer Switch Details

#3	ATS	AMPS: 0260	QTY: 3
Product	: Series 300	Catalog Number	: J03ATSB30260CGXM
Service Voltage / Hz	: 208V/60Hz	Optional Accessories	: 11BE,44G
Bypass Isolation	: Not Applicable	Product Description	: 300 Series, Automatic Open Transition Transfer Switch
No. of Switched Poles: 4	: 4	Neutral Configuration	: Switched [B]
Withstand Rating:	: See WCR Table Below	No. of Cables & Lug Size	: 1, #4 AWG to 600 MCM or (2) 1/0 AWG to 250 MCM
Frame = J, Switch Rating = 0260, Series = 300			
Enclosure	: 3R(M)-UL Type 3R secure double door enclosure (See Disclaimer 3)	Service	: Three Phase, 4-wire
Extended Warranty	: Not Included	Markings	:

#	ACCESSORY DESCRIPTIONS	
	Accessory Code	Description
1	11BE	Adds the following features to the Group G controller: (1) Serial RS-485 Modbus Communications (2) Multi-Schedule Engine Exerciser (3) a 300 Entry Event Log and (4) a common alarm output function. When applied on 3-phase systems it also enables: (1) 3-Phase Emergency Source VLL sensing (2) Phase Rotation Monitoring (3) Emergency Source VLL Unbalance Monitoring.
2	44G	Strip heater w/ thermostat, wired to load terminals: 208-600 volts

OUTLINE FOR ASCO SERIES 260-400 AMPERE "J" FRAME (3ATS,3NTS) FRONT CONNECTED TRANSFER SWITCHES TYPE 3R/4X/12 SECURE ENCLOSURE



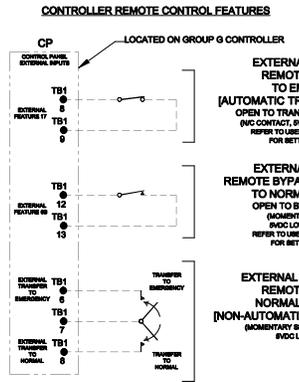
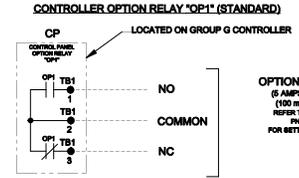
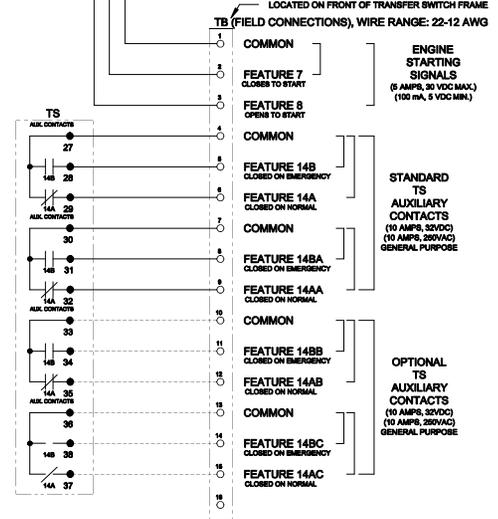
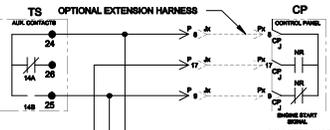
ATS SWITCH RATING (AMPS)	POLES	WEIGHTS LB (KG)
260-400	2	490 (222)
280-400	3	496 (225)
280-400	4	502 (228)

- ### GENERAL NOTES
- TYPE 3R/4X/12 ENCLOSURE. FREE STANDING. FLOOR OR WALL MOUNTABLE. 14 GAUGE CONSTRUCTION.
 - DOOR HINGED ON RIGHT SIDE. LOCKABLE HASP ON LEFT SIDE. DOOR CLAMPS LEFT, TOP, AND BOTTOM.
 - FINISH: TYPE 3R/4X/12: ANSI #1 GRAY POLYESTER SEMI GLOSS ELECTROSTATIC POWDER.
TYPE 4X (V): EXTERIOR CONSTRUCTED OF CODE GAUGE TYPE 304 STAINLESS STEEL.
TYPE 4X (V): EXTERIOR CONSTRUCTED OF CODE GAUGE TYPE 316 STAINLESS STEEL.
OTHER ANSI COLOR CODES AVAILABLE CONSULT FACTORY UL RECOGNIZED.
 - RECOMMENDED CLEARANCES:
FRONT: 24 INCHES
 - A 20 % RATED GROUND BUS IS PROVIDED.
 - UNIT IS DESIGNED FOR COMBINATION TOP AND BOTTOM CABLE ENTRY. THE STANDARD SWITCH CONFIGURATION IS FOR TOP LUGS EMERGENCY AND LOAD AND BOTTOM LUGS NORMAL.
 - A FULL RATED NEUTRAL CONNECTION FOR EACH SOURCE AND THE LOAD IS OPTIONAL. WHEN PROVIDED IT IS IN ONE OF THE FOLLOWING FORMATS AS SPECIFIED BY THE CATALOG NO. NEUTRAL TYPE:
A. SOLID COPPER BUS NEUTRAL
B. SWITCHED NEUTRAL POLE
 - CENTER OF GRAVITY.
 - WHEN INSTALLING GROUND LUGS TO TYPE 4 ENCLOSURE, REMOVE HARDWARE FROM STUDS AND REMOVE MASKING PLATES TO EXPOSE UNPAINTED SURFACE.

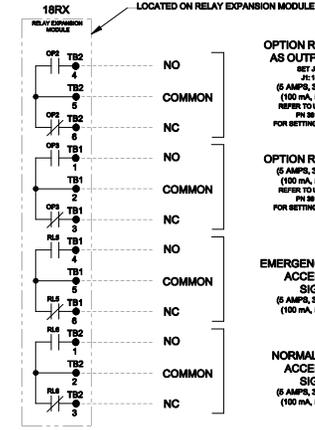
- ### CABLING NOTES
- ALL SIZES SUPPLIED STANDARD WITH MECHANICAL (SCREW TYPE) LUGS. (SEE AMP SIZE BELOW)
A. LUG MATERIAL: ALUMINUM ALLOY 6061-T6 WITH ELECTRO TIN PLATED FINISH.
B. SCREW MATERIAL: ALUMINUM ALLOY 6262-T6 WITH ELECTRO TIN PLATED FINISH.
C. UL LISTED, CSA CERTIFIED.
D. LUG SCREW TIGHTENING TORQUE PER UL 489B: 19 FT.-LBS.
E. SUITABLE WIRE BENDING SPACE IS PROVIDED. (SEE AMP SIZE BELOW)
 - CONSULT FACTORY FOR OTHER TERMINATION REQUIREMENTS.
 - GROUND LUGS ARE PROVIDED STANDARD AS FOLLOWS. (SEE AMP SIZE BELOW)
 - CUSTOMER TERMINAL BLOCKS:
THE TB WILL BE MOUNTED ON THE TRANSFER SWITCH FRAME AS INDICATED

- ### NOTES 260-400 AMP SWITCHES
- SUPPLIED WITH STANDARD MECHANICAL (SCREW TYPE) LUGS ON THE NORMAL, EMERGENCY & LOAD BUS STAYS. ONE (1) LUG PER PHASE AND NEUTRAL EACH SUITABLE FOR CONNECTION OF TWO (2) 1/0 -250MCM CU/AL CABLES OR ONE (1) #4 -600MCM CU/AL CABLE.
A. SUITABLE WIRE BENDING SPACE IS PROVIDED FOR UP TO ONE (1) 800MCM CABLE PER TERMINAL PER NEC.
 - GROUND LUGS ARE PROVIDED STANDARD AS FOLLOWS:
6X (6) 1/0 -250MCM CU/AL CABLES OR THREE (3) #4 -600MCM CU/AL CABLE CONNECTIONS.

PROJECT NAME:		260322 (SAC) BK 0703/17	
COMPOSITE:		OUTLINE	
300 SERIES TS "J"		THIRD ANGLE PROJECTION	
260-400 AMP 3R/4X/12 SECURED		COMPUTER GENERATED DRAWING	
DESIGNED BY:	DATE:	MANUFACTURING TOLERANCES TO BE ACCORDANCE WITH ASME Y14.5M-2009.	ASME REF. NO.:
CHECKED BY:	DATE:	PROPERTY OF ASCO POWER TECHNOLOGIES, INC. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.	SCALE:
APPROVED BY:	DATE:	ASCO P. OVER TECHNOLOGIES, L.P.	1001393-022
DATE:		REV. NO. 260332	
REV. NO.:		REV. NO.:	



OPTIONAL ACCESSORY 1BRX (RELAY EXPANSION MODULE)

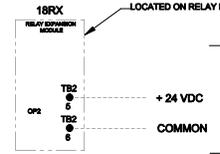


OPTION RELAY "OP2" AS OUTPUT RELAY
 SET JUMPERS #1-4 & #4
 (5 AMPS, 30 VDC MAX.)
 (100 mA, 5 VDC MIN.)
 REFER TO USER'S GUIDE PH 80133-400 FOR SETTING INFORMATION.

OPTION RELAY "OP3"
 (5 AMPS, 30 VDC MAX.)
 (100 mA, 5 VDC MIN.)
 REFER TO USER'S GUIDE PH 80133-400 FOR SETTING INFORMATION.

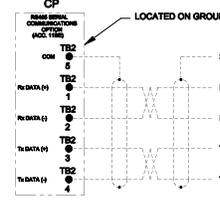
EMERGENCY SOURCE ACCEPTABLE SIGNAL
 (5 AMPS, 30 VDC MAX.)
 (100 mA, 5 VDC MIN.)

NORMAL SOURCE ACCEPTABLE SIGNAL
 (5 AMPS, 30 VDC MAX.)
 (100 mA, 5 VDC MIN.)



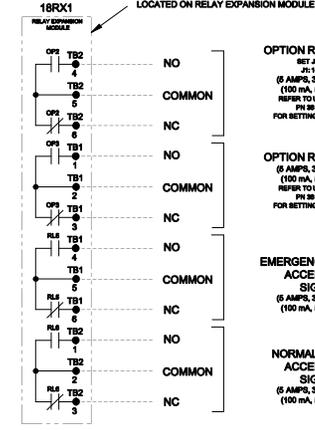
OPTION RELAY "OP2" AS EXTERNAL POWER SUPPLY INPUT "IG"
 SET JUMPERS AS FOLLOWS:
 REMOVE JUMPERS #1-4 & #4
 CONNECT JUMPERS #1 & #1-4
 (24 VDC MIN., 15 W MAX.)
 INPUT RANGE: 21.6 VDC MIN.
 27.8 VDC MAX.
 REFER TO USER'S GUIDE PH 80133-400 FOR SETTING INFORMATION.

RS485 SERIAL COMMUNICATIONS OPTION
 AVAILABLE WITH OPTIONAL ACCESSORY 11BRX ADVANCED-FUNCTION SOFTWARE MODULE
 REFER TO USER'S GUIDE PH 80133-400 FOR SETTING INFORMATION.



NOTES:
 1. EARTH GROUND SHIELD AT HOST DEVICE ONLY.
 2. FIELD WIRING: USE UL LISTED, STRANDED, TWISTED PAIR, OVERALL FOIL SHIELD WITH STRANDED DRAIN WIRE SUITABLE FOR RS422 EQUIVALENT TO:
 (STANDARD 90°C) BELDEN 9842 OR 9829 OR ALPHA 6220C OR 6222C
 (PLENUM RATED) BELDEN 99729 OR 92729 OR ALPHA 9992

OPTIONAL ACCESSORY 1BRX1 (SECOND RELAY EXPANSION MODULE)



OPTION RELAY "OP2"
 SET JUMPERS #1-4 & #4
 (5 AMPS, 30 VDC MAX.)
 (100 mA, 5 VDC MIN.)
 REFER TO USER'S GUIDE PH 80133-400 FOR SETTING INFORMATION.

OPTION RELAY "OP3"
 (5 AMPS, 30 VDC MAX.)
 (100 mA, 5 VDC MIN.)
 REFER TO USER'S GUIDE PH 80133-400 FOR SETTING INFORMATION.

EMERGENCY SOURCE ACCEPTABLE SIGNAL
 (5 AMPS, 30 VDC MAX.)
 (100 mA, 5 VDC MIN.)

NORMAL SOURCE ACCEPTABLE SIGNAL
 (5 AMPS, 30 VDC MAX.)
 (100 mA, 5 VDC MIN.)

B	27855	TR	BC	05/01/18
	SEE ECH			
A	27821	TR	BC	10/15/18
	SEE ECH			
	28005	TR	BC	02/27/17
	ISSUE			

PROJECT NAME:		DIAGRAM	
300 SERIES JSATS/JINTS, THREE PHASE 200 & 400 AMPS			
"J" FRAME, GROUP G CONTROLS			
BY	DATE	MANUFACTURING TOLERANCES TO BE ACCORDANCE WITH ASCO PROCEDURES. FOR PLASTIC PARTS SEE DRAWING.	ASCO REF. NO.
DESIGNED BY	DATE	PROPERTY OF ASCO POWER TECHNOLOGIES. USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.	COMPUTER GENERATED DRAWING
CHECKED BY	DATE	SCALE	SIZE DS
APPROVAL	DATE	1184913	
DATE	DATE	REV. B	REV. 2 OF 6

8 7 6 5 4 3 2 1

MAIN POWER POLES

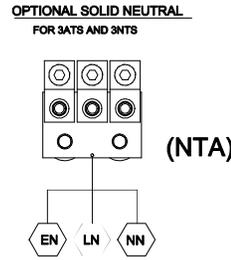
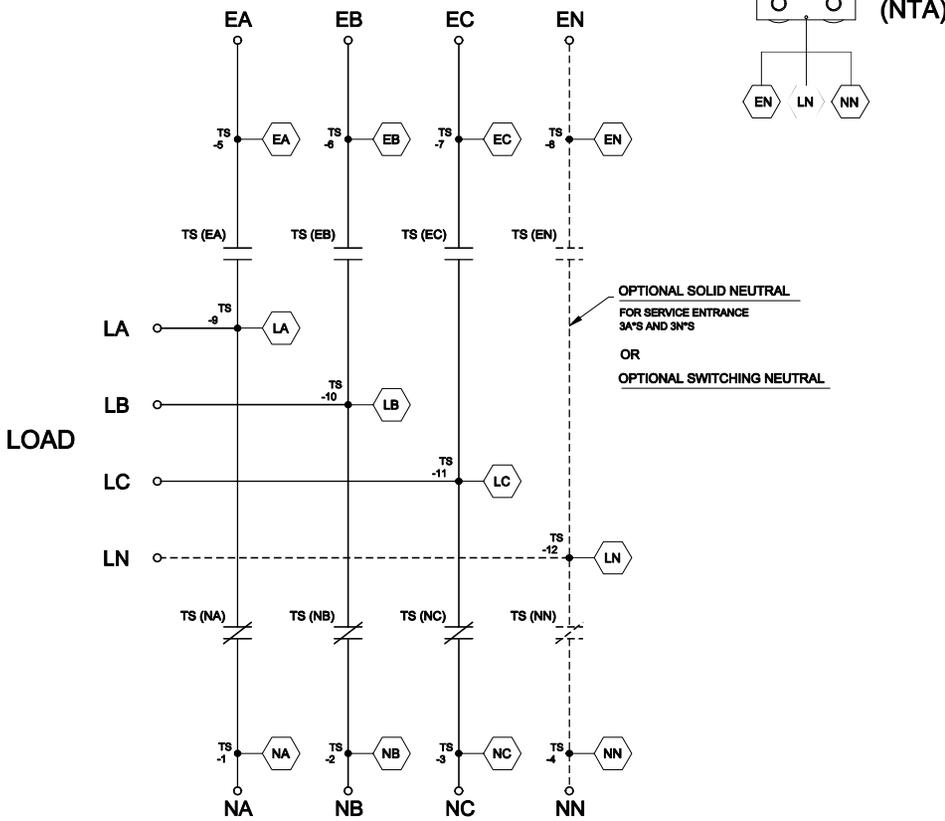
TS OPERATOR CIRCUIT

D
C
B
A

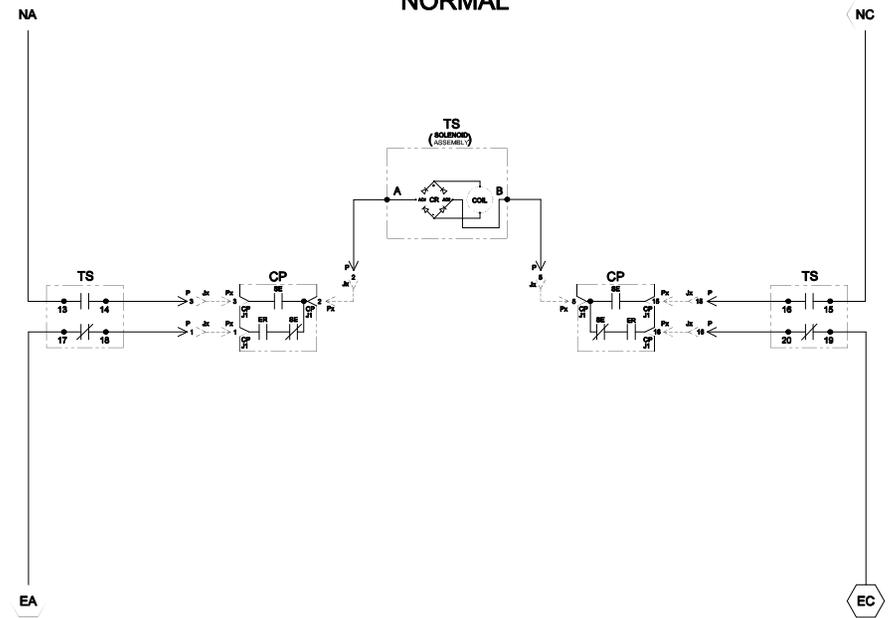
D
C
B
A

EMERGENCY

NORMAL



OPTIONAL SOLID NEUTRAL FOR SERVICE ENTRANCE 3A'S AND 3N'S OR OPTIONAL SWITCHING NEUTRAL



NOTE: ATS SHOWN CLOSED ON NORMAL SOURCE.

TS	SOLENOID POSITION	
	CLOSED BEFORE NORMAL TOGGLE	BEFORE CLOSING EMERG
13-14	X	X
15-16	X	X
17-18	X	X
19-20	X	X

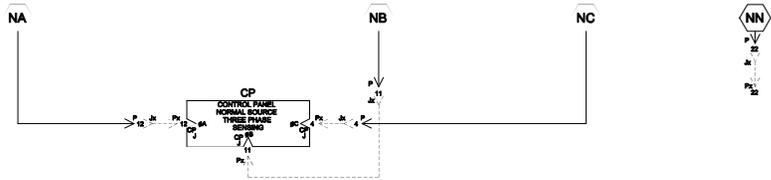
TDC (TOP DEAD CENTER) TRIPPER SWITCH TEST & ADJUSTMENT PROCEDURE SPECIFIED CONTROL CUT-OFF (CONTACT OPENING) SETTING.

PROJECT NAME:		DIAGRAM	
300 SERIES 3ATS/3NTS, THREE PHASE 200 & 400 AMPS			
"J" FRAME, GROUP G CONTROLS			
BY	DATE	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURES FOR PARTS TO BE ORDERED	ASSEMB. REF. NO.
DESIGNED BY	DATE	COMPUTER GENERATED DRAWING	
CHECKED BY	DATE	PROPERTY OF ASCO POWER TECHNOLOGIES, INC. PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.	
APPROVAL	DATE	THIRD ANGLE PROJECTION	
DATE	DATE	SCALE	
ASCO		ASCO P. OVER TECHNOLOGIES, L.P.	
1184913		1184913	
REV. B		REV. B	
278555		278555	
3 OF 6		3 OF 6	

8 7 6 5 4 3 2 1

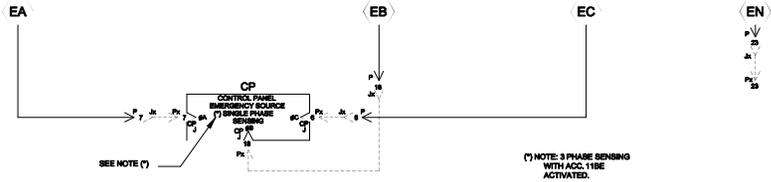
NORMAL SOURCE CIRCUITS

NORMAL



EMERGENCY SOURCE CIRCUITS

EMERGENCY

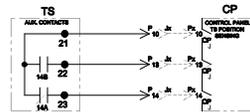


LOAD TERMINAL CIRCUITS

LOAD



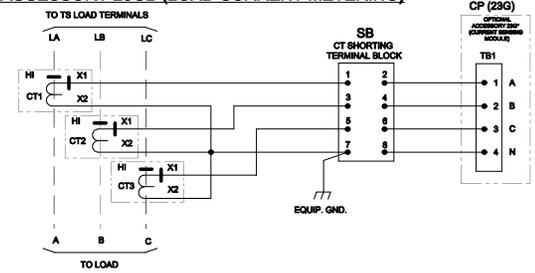
CONTROL SIGNALS & INDICATION



ADDITIONAL CIRCUITS

OPTIONAL ACCESSORY 23GB (LOAD CURRENT METERING)

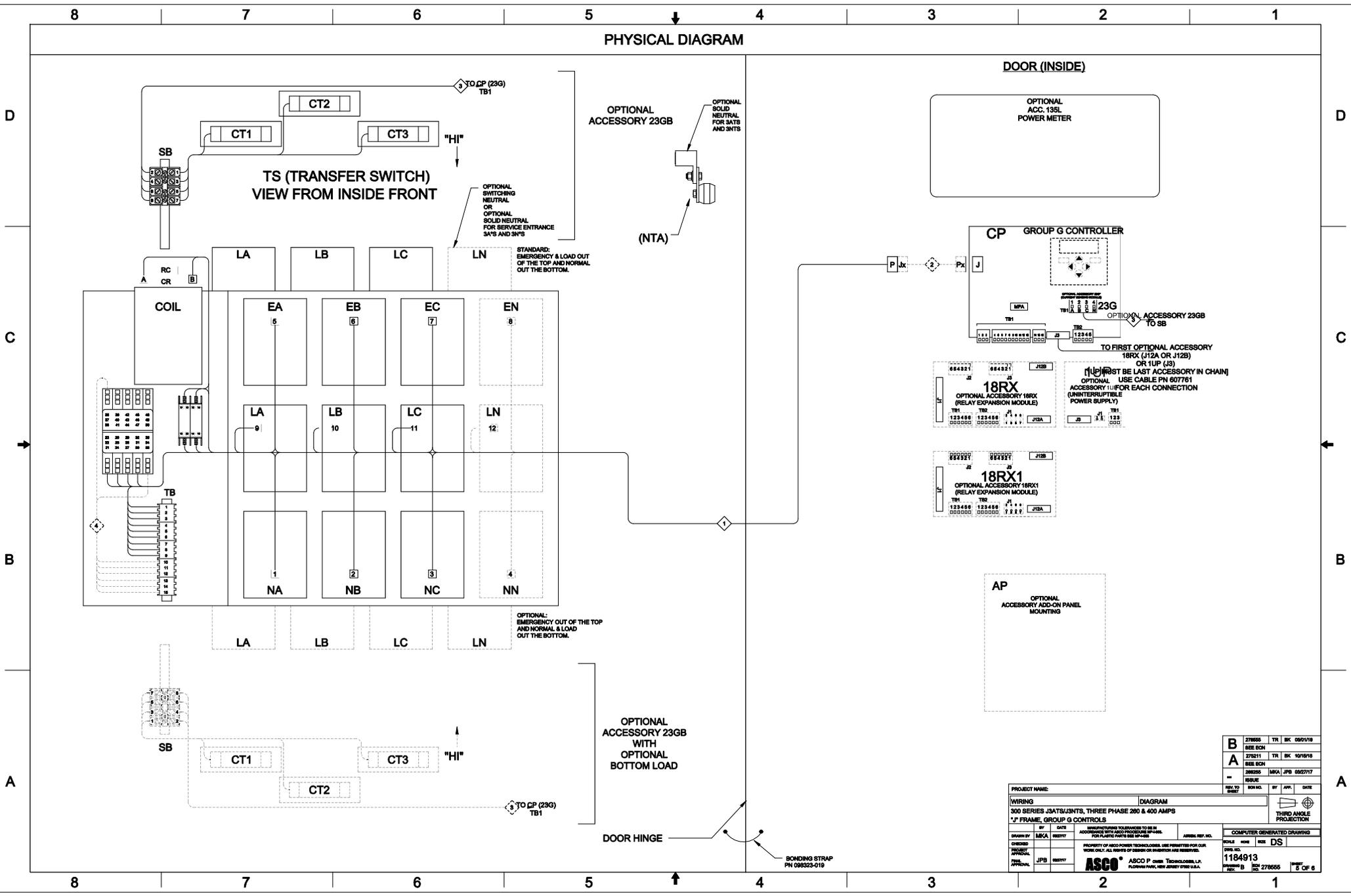
CURRENT TRANSFORMER RATIO TABLE	
SWITCH RATING	CT RATIO
250A	300/5A
400A	400/5A



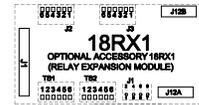
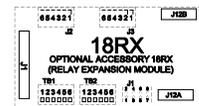
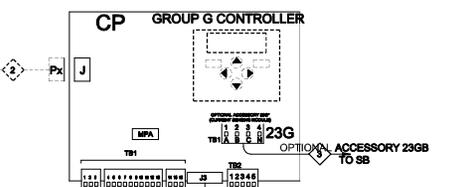
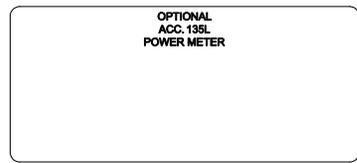
B	278205	TR	BC	05/01/18
	SEE ECH			
A	278211	TR	BC	10/15/18
	SEE ECH			
==	280205	TR	JPA	03/27/17
	ISSUE			

PROJECT NAME:		DIAGRAM	
300 SERIES JSATS/JNITS, THREE PHASE 200 & 400 AMPS			
"J" FRAME, GROUP G CONTROLS			
BY	DATE	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURES. FOR PLASTIC PARTS SEE SPECIFICATIONS.	ASCO REF. NO.
DESIGNED BY	DATE	PROPERTY OF ASCO POWER TECHNOLOGIES, INC. NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.	COMPUTER GENERATED DRAWING
CHECKED BY	DATE	SCALE	SIZE
APPROVAL	DATE	1184813	DS
DATE	BY	ASCO	ASCO P. OVER TECHNOLOGIES, L.P. FLORENCE PARK, NEW JERSEY 07093 U.S.A.
		REV. B	REV. B
		278555	4 OF 6

PHYSICAL DIAGRAM



DOOR (INSIDE)



B	27855	TR	BC	05/17/18
	SEE ECH			
A	278211	TR	BC	10/15/18
	SEE ECH			
	28055	MPA	JPB	09/27/17
	ISSUE			

PROJECT NAME:		DIAGRAM		SCALE: NONE		DS	
WIRING:		300 SERIES J3ATS/J3NTS, THREE PHASE 200 & 400 AMP		DATE: 11/8/19		SHEET: 5 OF 8	
BY:	DATE:	APPROVED BY:	DATE:	ISSUED BY:	DATE:	COMPUTER GENERATED DRAWING	
DESIGNED BY:	DATE:	APPROVED BY:	DATE:	ISSUED BY:	DATE:	THIRD ANGLE PROJECTION	
CHECKED BY:	DATE:	APPROVED BY:	DATE:	ISSUED BY:	DATE:	ASCO P OAK TECHNOLOGIES, L.P.	
DESIGNED BY:	DATE:	APPROVED BY:	DATE:	ISSUED BY:	DATE:	ASCO P OAK TECHNOLOGIES, L.P.	
CHECKED BY:	DATE:	APPROVED BY:	DATE:	ISSUED BY:	DATE:	ASCO P OAK TECHNOLOGIES, L.P.	

