

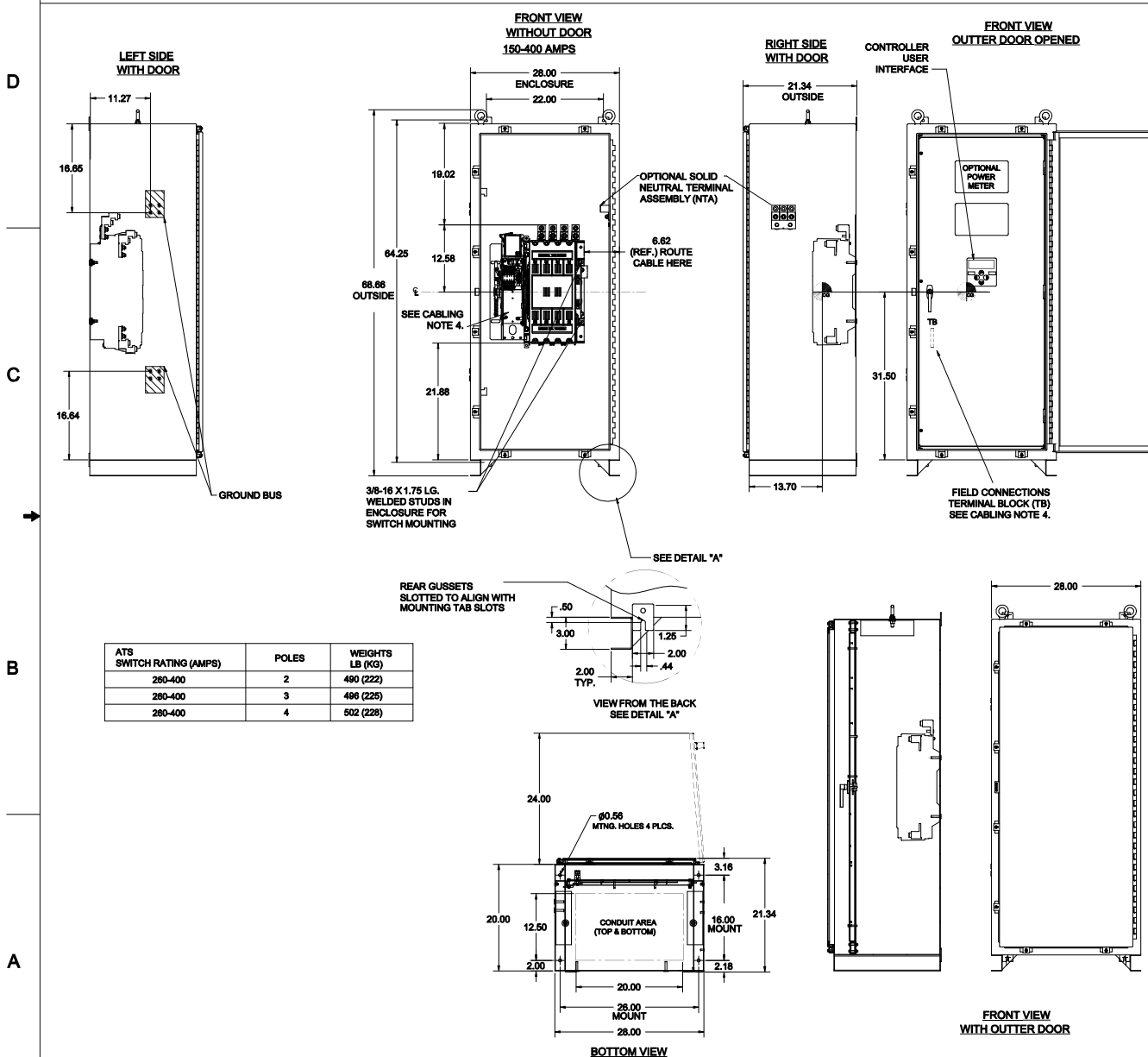
ATS Submittal

Transfer Switch Details

#4	ATS	AMPS: 0400	QTY: 3
Product	: Series 300	Catalog Number	: J03ATSB30400CGXM
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 = 0400, 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/4/4X/12 SECURE ENCLOSURE



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/4/12: ANSI #1 GRAY POLYESTER SEMI GLOSS ELECTROSTATIC POWDER.
TYPE 4X (V): EXTERIOR CONSTRUCTED OF CODE GAUGE TYPE 304 STAINLESS STEEL.
OTHER ANSI COLORS AVAILABLE CONSULT FACTORY UL RECOGNIZED.
- RECOMMENDED CLEARANCES:
FRONT: 24 INCHES
A. 20 % RATED GROUND BUS IS PROVIDED.
B. 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.
7. 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 6062-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 STUBS. ONE (1) LUG PER PHASE AND NEUTRAL EACH SUITABLE FOR CONNECTION OF TWO (2) 1/0 -250MCM CU/AL CABLES OR ONE (1) #4 -800MCM 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:
SIX (6) 1/0 -250MCM CU/AL CABLES OR THREE (3) #4 -800MCM CU/AL CABLE CONNECTIONS.

PROJECT NAME:		300 SERIES TS "J"		OUTLINE	
COMPOSITE		260-400 AMP 3R/4X/12 SECURED		THIRD ANGLE PROJECTION	
BY	DATE	APPROVED	DATE	SCALE	SIZE
SK	SK	SK	SK	1001393-022	DS
DRAWN BY: SMC		CHECKED BY: SK		APPROVED BY: SK	
DESIGNED BY: SK		FINAL APPROVAL: SK		REVISION: SK	
PROPERTY OF ASCO POWER TECHNOLOGIES, LLC. NOT TO BE REPRODUCED OR COPIED WITHOUT WRITTEN PERMISSION OF ASCO POWER TECHNOLOGIES, LLC.		ASCO P. O. BOX 1001393-022		1001393-022	
FLORHAM PARK, NEW JERSEY 07932 U.S.A.		REV. NO.		REV. NO.	
		REV. NO.		REV. NO.	

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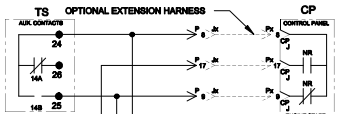
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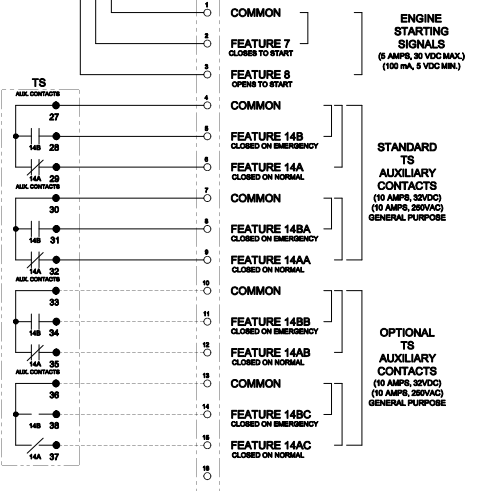
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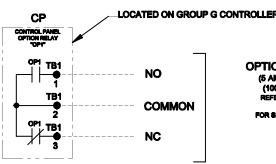
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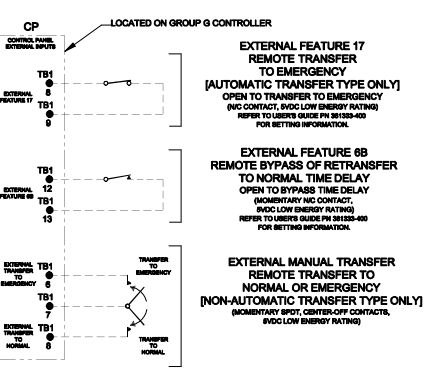
LOCATED ON FRONT OF TRANSFER SWITCH FRAME
TB (FIELD CONNECTIONS), WIRE RANGE: 22-12 AWG



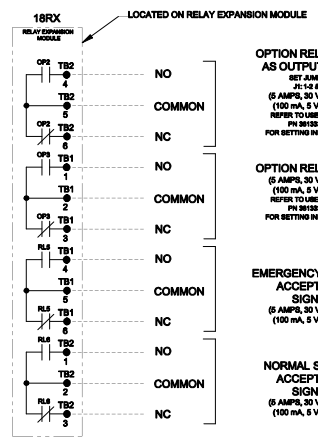
CONTROLLER OPTION RELAY "OP1" (STANDARD)



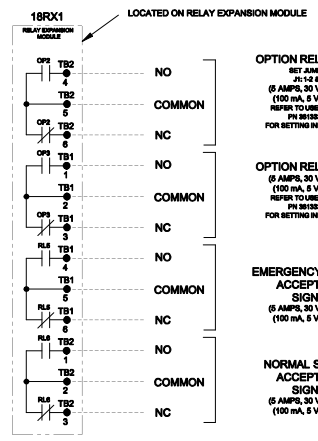
CONTROLLER REMOTE CONTROL FEATURES



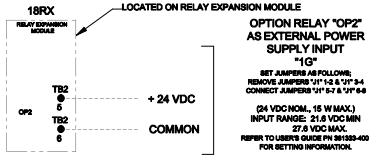
OPTIONAL ACCESSORY 18RX (RELAY EXPANSION MODULE)



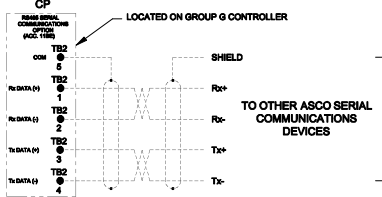
OPTIONAL ACCESSORY 18RX1 (SECOND RELAY EXPANSION MODULE)



"OP2" OPTIONAL USES



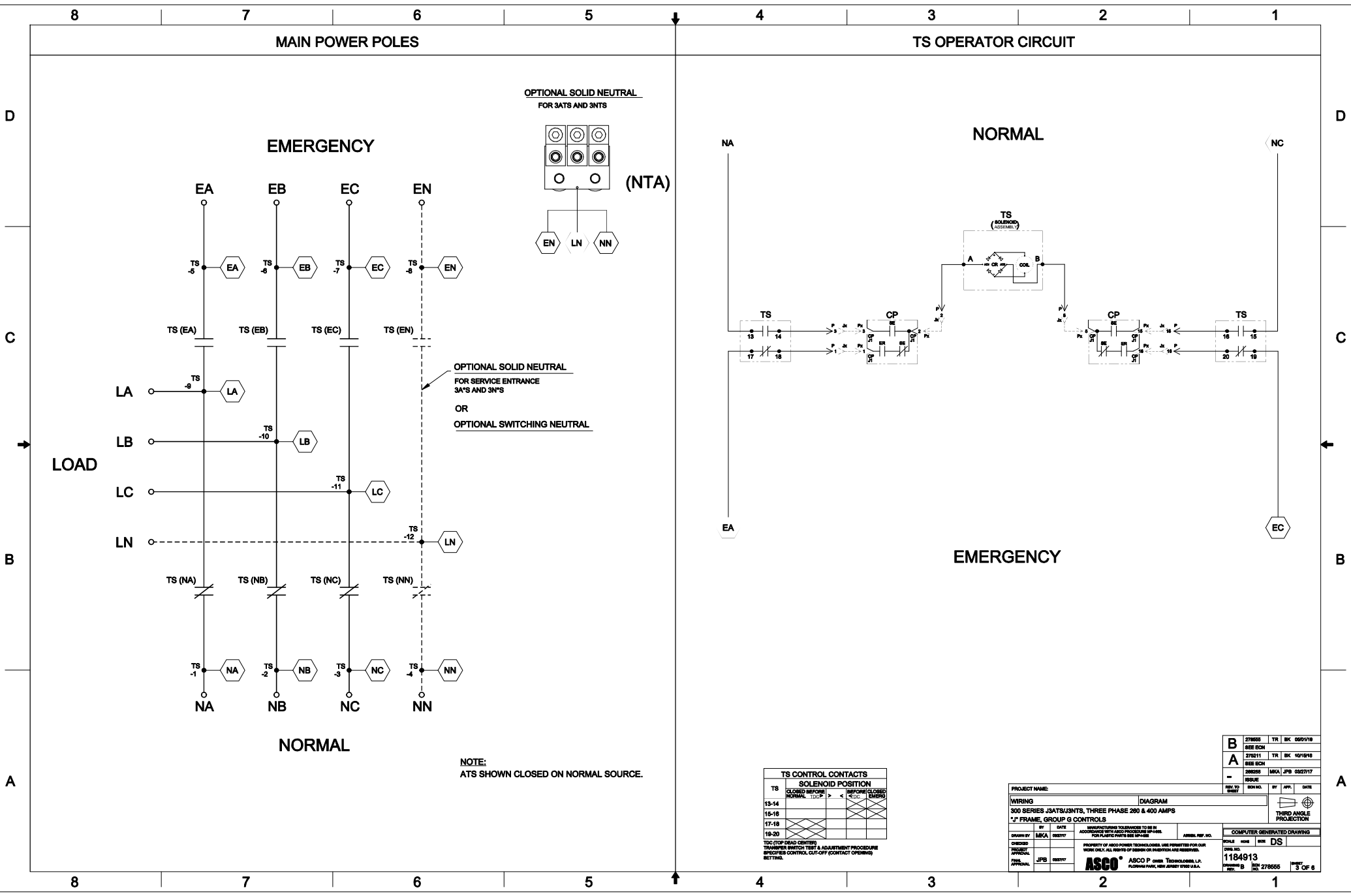
RS485 SERIAL COMMUNICATIONS OPTION
AVAILABLE WITH OPTIONAL ACCESSORY 1185. ADVANCED FUNCTION SOFTWARE MODULE
REFER TO USER'S GUIDE PN 81333-403 FOR SETTING INFORMATION.



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 RS485 EQUIVALENT TO:
(STANDARD 80°C) BELDEN 8942 OR 8929 OR ALPHA 8223C OR 8223C
(PLENUM RATED) BELDEN 89729 OR 82729 OR ALPHA 8982

8 7 6 5 4 3 2 1

PROJECT NAME:		WIRING		DIAGRAM	
300 SERIES J3ATS/J3NTS, THREE PHASE 280 & 400 AMPS		"J" FRAME, GROUP G CONTROLS		THIRD ANGLE PROJECTION	
BY	DATE	APPROVED	DATE	COMPUTER GENERATED DRAWING	SCALE
MA	08/17/18	MA	08/17/18	DS	1184913
DESIGNED	MA	CHECKED	MA	DATE	REV
MA	08/17/18	MA	08/17/18	1184913	2 OF 6
ASCO P. OVER TECHNOLOGIES, L.P. FLORHAM PARK, NEW JERSEY 07938 U.S.A.					



TS CONTROL CONTACTS			
SOLENOID POSITION			
TS	CLOSED BEFORE	NORMAL TOGGLE	BEFORE CLOSED
13-14			
15-16			
17-18			
19-20			

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

PROJECT NAME:		DIAGRAM	
WIRING		300 SERIES 3ATS/3INTS, THREE PHASE 200 & 400 AMPS	
"J" FRAME, GROUP G CONTROLS		THIRD ANGLE PROJECTION	
DESIGNED BY	DATE	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PRODUCTION PRACTICES FOR PLASTIC PARTS SEE 80-0000	ASCO REF. NO.
CHECKED BY	DATE	PROPERTY OF ASCO POWER TECHNOLOGIES, INC. NOT TO BE LOANED, REPRODUCED, COPIED, OR IN ANY MANNER DISSEMINATED WITHOUT THE WRITTEN PERMISSION OF ASCO POWER TECHNOLOGIES, INC.	COMPUTER GENERATED DRAWING
DESIGNED BY	DATE	SCALE	SIZE
CHECKED BY	DATE	1184913	DS
DESIGNED BY	DATE	1184913	DS
CHECKED BY	DATE	1184913	DS
DESIGNED BY	DATE	1184913	DS
CHECKED BY	DATE	1184913	DS

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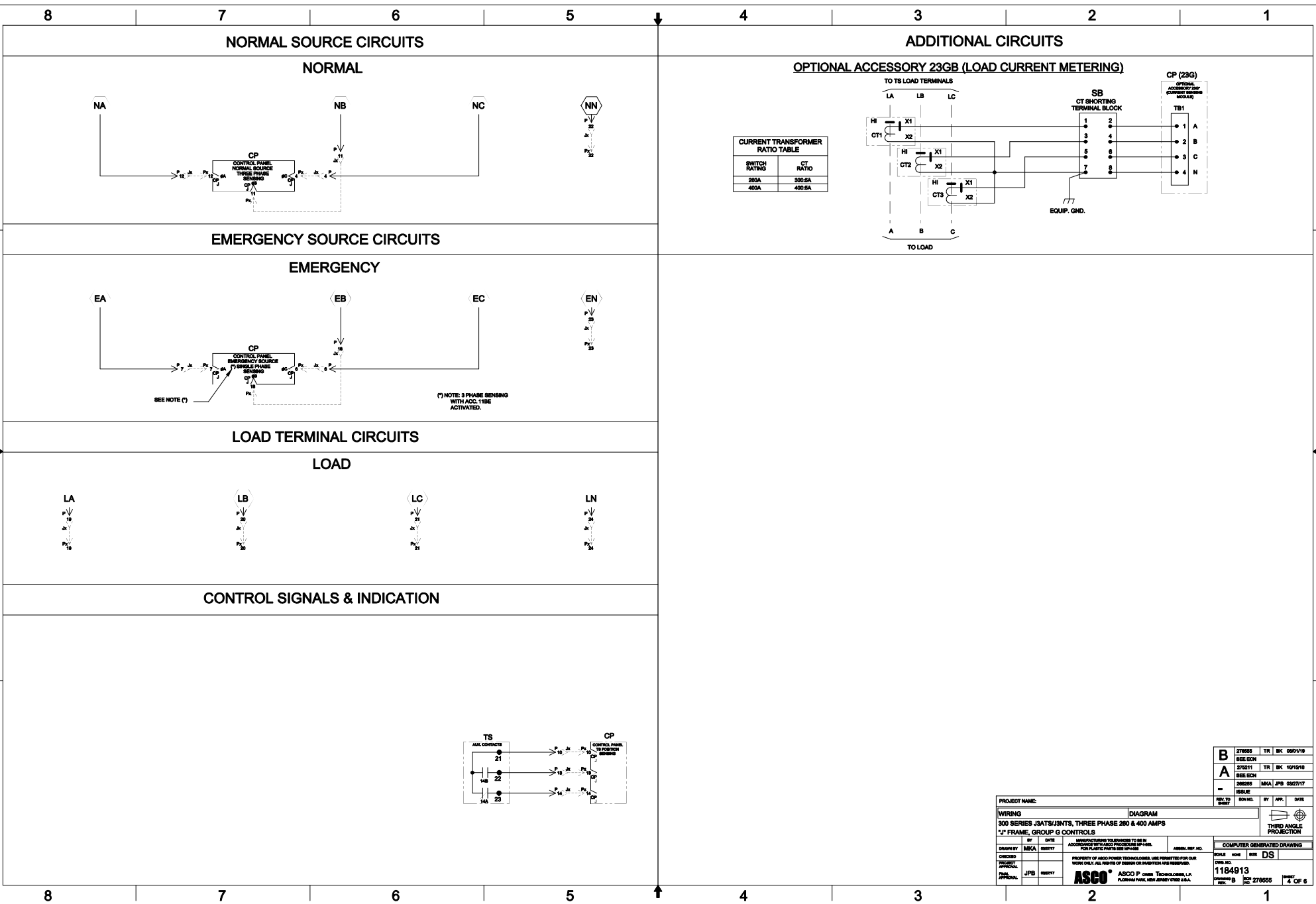
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PROJECT NAME:		WIRING		DIAGRAM	
300 SERIES J3ATS/J3NTS, THREE PHASE 200 & 400 AMPS					
"J" FRAME, GROUP G CONTROLS					
DESIGNED BY	DATE	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PRACTICES & PANEL FOR PLASTIC PARTS SEE 804-008	ASCO REF. NO.	COMPUTER GENERATED DRAWING	
APPROVED BY	DATE	PROPERTY OF ASCO POWER TECHNOLOGIES, LLC. THIS DRAWING IS THE PROPERTY OF ASCO. NO PARTS OR INFORMATION ARE TO BE REPRODUCED OR USED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF ASCO POWER TECHNOLOGIES, LLC.		SCALE	MODE
FINAL APPROVAL	DATE	ASCO P. OVER TECHNOLOGIES, L.P.		1184913	DS
		ALPHABETIC PANEL, NEW JERSEY 07093 U.S.A.		REVISION B	NO. 278555
				SHEET 4 OF 6	

