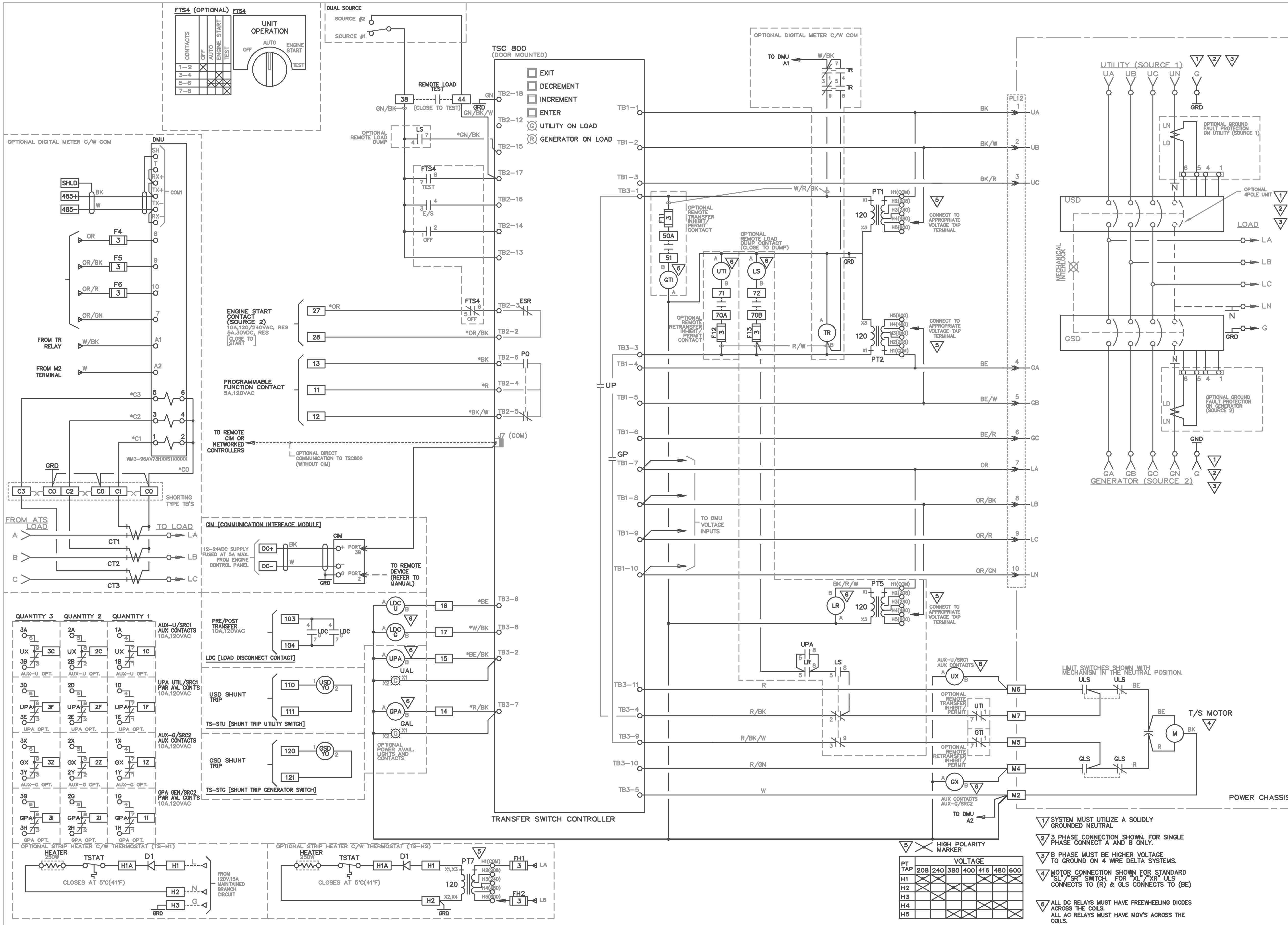

5 — HIGH POLARITY MARKER

PT TAP	VOLTAGE 208	240	380	400	416	480	600
H1	X•	X•			X•	X•	X•
H2	X		X•	X•			
H3		X					
H4					X	X	
H5			X	X			X

1. SYSTEM MUST UTILIZE A SOLIDLY GROUNDED NEUTRAL
2. 3 PHASE CONNECTION SHOWN. FOR SINGLE PHASE CONNECT A AND B ONLY.
3. B PHASE MUST BE HIGHER VOLTAGE TO GROUND ON 4 WIRE DELTA SYSTEMS.
4. MOTOR CONNECTION SHOWN FOR STANDARD "SL"/"SR" SWITCH. FOR "XL"/"XR" ULS CONNECTS TO (R) & GLS CONNECTS TO (BE)
5. (HIGH POLARITY MARKER)
6. ALL DC RELAYS MUST HAVE FREEWHEELING DIODES ACROSS THE COILS. ALL AC RELAYS MUST HAVE MOV'S ACROSS THE COILS.

COLOR KEY	
BLACK	BK
BLUE	BE
BROWN	BN
GREEN	GN
GREY	GY
ORANGE	OR
PURPLE	PE
RED	R
WHITE	W
YELLOW	Y

SOLID/TRACER(S)
* DENOTES #14AWG

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MCS, MULTIVOLTAGE

TRANSFER SWITCH WIRING OPTIONS

CONTROL TYPE
- AUTOMATIC TRANSFER SWITCH ☐
- DUAL SOURCE TRANSFER SWITCH ☐ (C/W PSS PREFERRED SOURCE SELECTOR)

PROGRAMMABLE CONTACT ☐
- LOAD ON GENERATOR ☐ ________

FTS4 TEST SWITCH ☐ (NOT AVAILABLE ON DUAL SOURCE)

AUX–G(SRC2) CONTACTS [QTY 3][MAX. 3] ☒

AUX–U(SRC1) CONTACTS [QTY 3][MAX. 3] ☒

UTIL(SRC1) PWR AVL CONT'S [QTY][MAX. 3] ☐

GEN(SRC2) PWR AVL CONT'S [QTY][MAX. 3] ☐

UTIL(SRC1) PWR AVL LIGHT ☐

GEN(SRC2) PWR AVL LIGHT ☐

LDC[LOAD DISCONNECT CONTACT] ☐

REMOTE COMMUNICATION OPTION
- CIM MODULE ☐

ENCLOSURE HEATER EXT. PWR (TS–H1) ☐

ENCLOSURE HEATER INT. PWR (TS–H2) ☐

SHUNT TRIP UTILITY SWITCH [SHUNT VOLTAGE ______] ☐

SHUNT TRIP GENERATOR SWITCH [SHUNT VOLTAGE ______] ☐

DIGITAL METER ☐

REMOTE LOAD DUMP ☐

REMOTE INHIBIT/PERMIT RETRANSFER TO NORMAL ☐

REMOTE INHIBIT/PERMIT TRANSFER TO EMERGENCY ☐

UTILITY SWITCHING DEVICE
- MOLDED CASE SWITCH ☐
- THERMAL MAGNETIC ☐
- ELECTRONIC (LI) ☐
- ELECTRONIC (LSIG) ☐
- POLES:___
- TRIP RATING:_____A
- WITHSTAND RATING:_____KA @ ____V

GENERATOR SWITCHING DEVICE
- MOLDED CASE SWITCH ☐
- THERMAL MAGNETIC ☐
- ELECTRONIC (LI) ☐
- ELECTRONIC (LSIG) ☐
- POLES:___
- TRIP RATING:_____A
- WITHSTAND RATING:_____KA @ ____V

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☐ MULTIPLE UNIT WORK ORDER
☐ RELEASED FOR INFORMATION
AUTH. BY: SH DATE: 05–11–17

DRAWING No. | REFERENCE DRAWINGS

No.	REVISIONS	BY	AUTH	DATE
4	REMOVE 416V PT	SH	SH	05–11–17
3	UPDATE LOGO, ADD FUSE TO TS–H2, ADD SHORTING TB TO XCT	BM	SH	05–10–05
2	PRODUCTION MODS	BM	SH	05–08–10
1	REVISE FOR 100–1200A SWITCH	SH	SH	05–05–05

THOMSON TECHNOLOGY® POWER & CONTROL A REGAL-BELOIT COMPANY

AUTOMATIC TRANSFER SWITCH
MODEL TS 88_A_____1__2___A_
SCHEMATIC DIAGRAM
___A, ___V, ___ø ___W, ___Hz

CUSTOMER	
CUSTOMER ORDER No.	WORK ORDER No.

DRAWN BY	AUTH BY	DATE	REV
SH	SH	04–11–03	4

DRAWING/FILE No. 880E001 SHEET 1/1

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