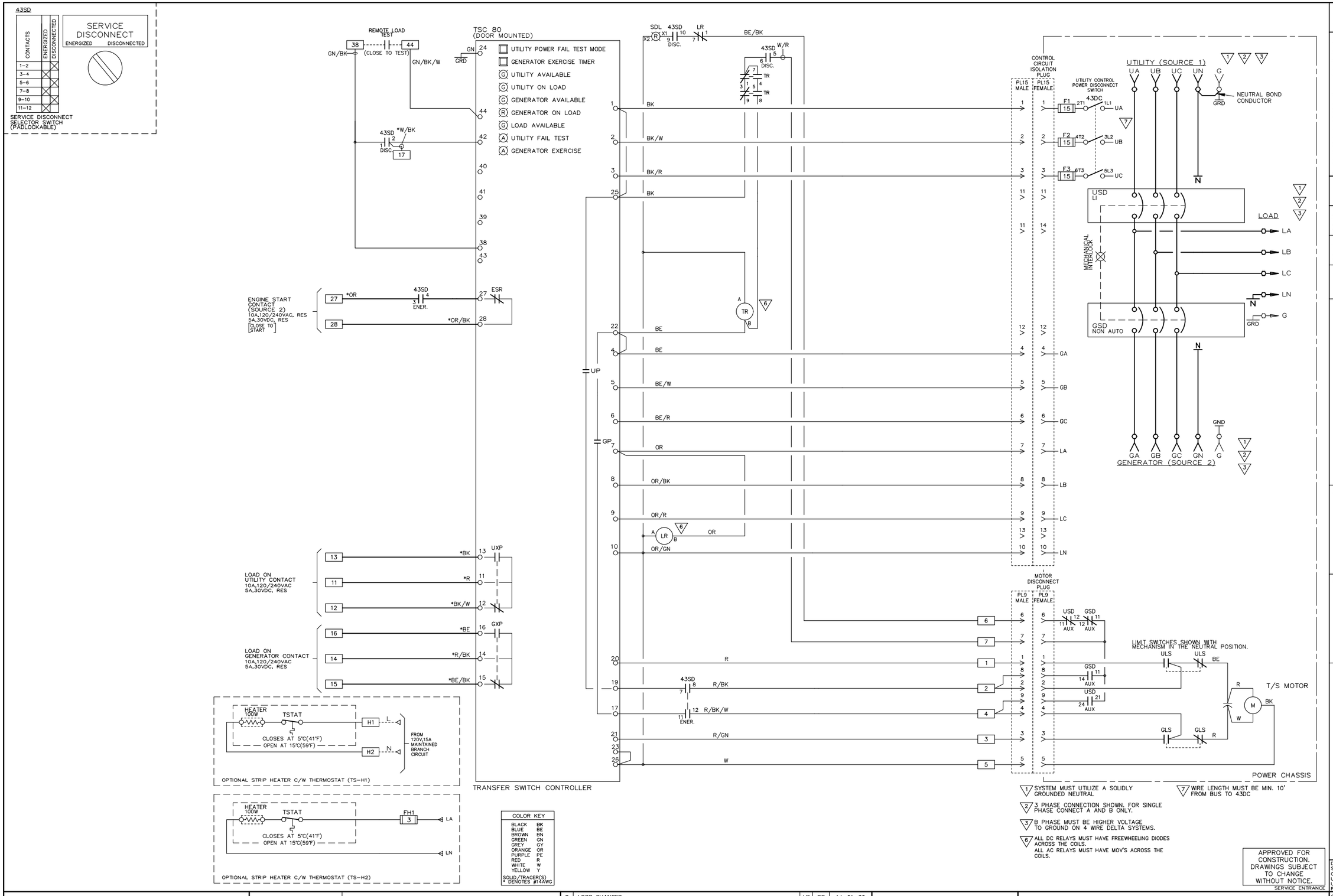

TSC80 CONTROLLER FACTORY SETTINGS

ENGINE START TIMER:	3	(0–60sec)
ENGINE WARM–UP TIMER:	2	(0–60sec)
ENGINE COOL DOWN TIMER:	2	(0–30min)
UTILITY RETURN TIMER:	2	(0–30min)
NEUTRAL DELAY TIMER:	3	(0–60sec)
TRANSFER FAIL TIMER:	30s	(FIXED)
EXERCISE TIMER:	30min/7Day	(FIXED)
UTIL U/V TIMER:	0s	(FIXED)
GENERATOR U/V TIMER:	3s	(FIXED)
GENERATOR U/F TIMER:	3s	(FIXED)
UTILITY U/V (DO):	85%	(70–95%)
UTILITY U/V (PU):	90%	(5% > DO)
GENERATOR U/V (DO):	85%	(70–95%)
GENERATOR U/V (PU):	90%	(5% > DO)
GENERATOR U/F	90%	(70–90%)

ALL SETTINGS ARE FIELD ADJUSTABLE UNLESS NOTED

TRANSFER SWITCH WIRING OPTIONS

ENCLOSURE HEATER EXT. PWR (TS–H1) ☐

ENCLOSURE HEATER INT. PWR (TS–H2) ☐

LOAD DISTRIBUTION BREAKERS
REFER TO DWG 840E005 [QTY 2] ☒

UTILITY SWITCHING DEVICE

MOLDED CASE SWITCH ☐
THERMAL MAGNETIC ☐
ELECTRONIC (LI) ☐

POLES: 2
TRIP RATING: 400 A
WITHSTAND RATING: 65 KA @ 240 V

GENERATOR SWITCHING DEVICE

MOLDED CASE SWITCH ☐
THERMAL MAGNETIC ☐
ELECTRONIC (LI) ☐

POLES: 2
TRIP RATING: ____A
WITHSTAND RATING: ____KA @ 240 V

DRAWINGS AND OR OTHER TECHNICAL INFORMATION SUPPLIED BY THOMSON POWER SYSTEMS AS A PART OF A SALE OF EQUIPMENT ARE FOR THE PURCHASER'S USE SOLELY IN CONJUNCTION WITH THAT EQUIPMENT, UNLESS SPECIFICALLY AGREED TO OTHERWISE AS A PART OF THE TERMS OF SALE.

☒ APPROVED FOR CONSTRUCTION
☐ MASTER COPY ☐ REFERENCE COPY ____ OF ____
☐ MULTIPLE UNIT WORK ORDER
☐ RELEASED FOR INFORMATION
AUTH. BY: OG DATE: 07–06–26

No.	REVISIONS	BY	AUTH	DATE
9	LOGO CHANGED	LR	OG	14–01–30
8	UPDATED HEATER OPTIONS	PQ	OG	08–10–16
7	ADDED TERMINALS 6 AND 7	BMG	OG	08–05–13
6	CHANGED SINGLE PHASE WIRING FROM A–C TO A–B	BMG	OG	08–03–27
5	REMOVED ADDITIONAL CAPACITOR(W/ LATCHING RELAYS) FROM MOTOR CCT	BMG	OG	07–10–10

DRAWING No. | REFERENCE DRAWINGS

marathon™ Thomson Power Systems

AUTOMATIC TRANSFER SWITCH MODEL TS 84_A____A1__1___A_ SCHEMATIC DIAGRAM

____A, ____V, ____ø ____W, ____Hz

CUSTOMER			
CUSTOMER ORDER No.		WORK ORDER No.	
DRAWN BY: BMG	AUTH BY: OG	DATE: 07–07–24	REV: 9
DRAWING/FILE No.: 840E007		SHEET: 1/1	

DRAWINGS SUBJECT TO CHANGE WITHOUT NOTICE.

© THE INFORMATION ON THIS DRAWING IS THE PROPERTY OF THOMSON POWER SYSTEMS. IT IS NOT TO BE USED DETRIMENTALLY TO OUR INTERESTS.