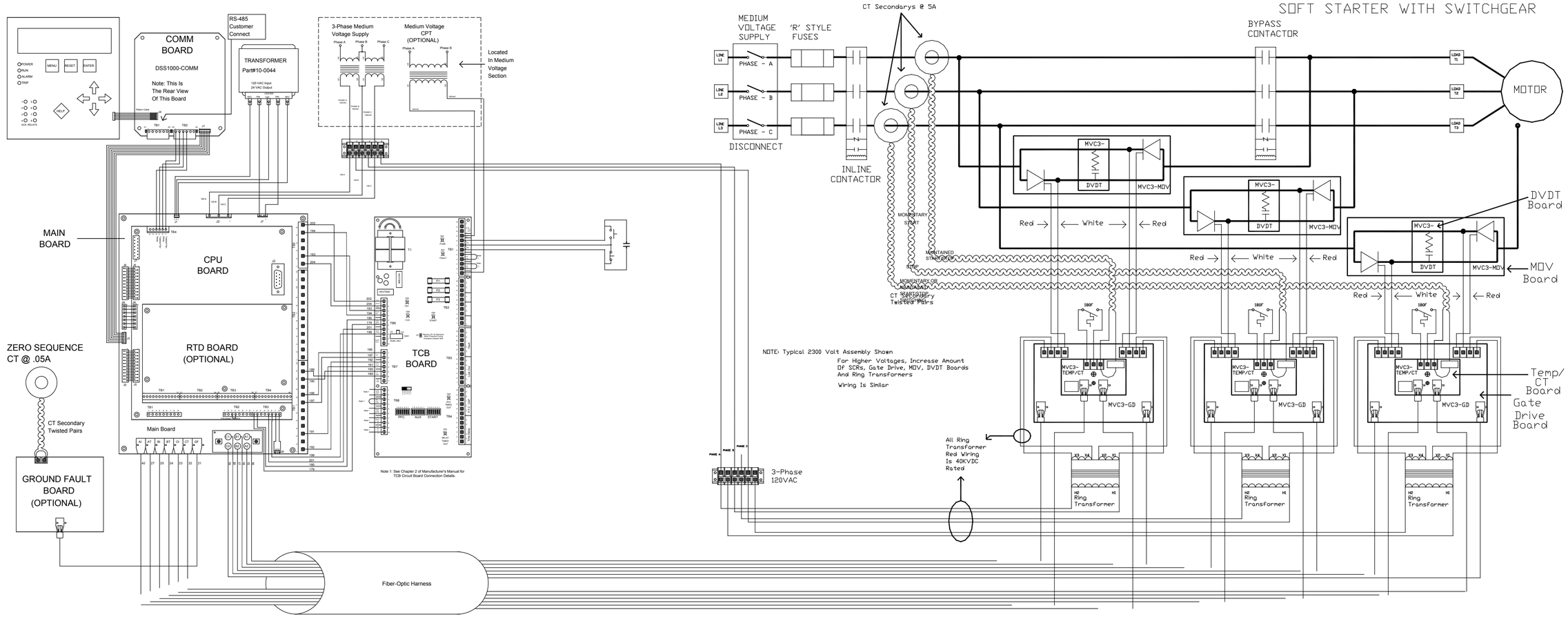
SOFT STARTER WITH SWITCHGEAR
MEDIUM VOLTAGE SUPPLY
'R' STYLE FUSES
CT Secondarys @ 5A
BYPASS CONTACTOR
MOTOR
DISCONNECT
INLINE CONTACTOR
PHASE - A
PHASE - B
PHASE - C
LINE L1
LINE L2
LINE L3
LOAD T1
LOAD T2
LOAD T3
MVC3-
DVDT
MVC3-MOV
DVDT Board
MOV Board
Red
White
MOMENTARY START
MAINTAINED STOP
MOMENTARY OR MAINTAINED STOP
CT Secondary Twisted Pairs
180F
MVC2-TEMP/CT
MVC3-GD
Temp/CT Board
Gate Drive Board
NOTE: Typical 2300 Volt Assembly Shown
For Higher Voltages, Increase Amount Of SCRs, Gate Drive, MOV, DVDT Boards And Ring Transformers
Wiring Is Similar
All Ring Transformer Red Wiring Is 40KVDC Rated
H2 Ring Transformer H1
X2 X4 X3 X1
3-Phase 120VAC
PHASE A
PHASE B
PHASE C
Fiber-Optic Harness
COMM BOARD
DSS1000-COMM
Note: This Is The Rear View Of This Board
RS-485 Customer Connect
TRANSFORMER Part#10-0044
120 VAC Input
24 VAC Output
3-Phase Medium Voltage Supply
Medium Voltage CPT (OPTIONAL)
Phase A
Phase B
Phase C
Located In Medium Voltage Section
MAIN BOARD
CPU BOARD
RTD BOARD (OPTIONAL)
Main Board
TCB BOARD
Note 1: See Chapter 2 of Manufacturer's Manual for TCB Circuit Board Connection Details.
ZERO SEQUENCE CT @ .05A
CT Secondary Twisted Pairs
GROUND FAULT BOARD (OPTIONAL)
POWER
RUN
ALARM
TRIP
MENU
RESET
ENTER
HELP
AUX. RELAYS
Ribbon Cable
TB1
TB2
TB3
TB4
TB5
TB6
TB7
TB8
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J38
J39
J40
A1
A7
B1
B7
C1
C7
GF
PFC
AUX
START
RELAY OUTPUT
TRIP
ALARM
RUN
POWER
SELECTOR
T1
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