SYSTEM SPECIFICATIONS

5TS5 BATTERY SYSTEM (480VDC) FEATURING POWER BATTERIES
SYSTEM RATING: XXX KWB FOR XX MINUTES TO 1.67 V.P.C.
RECOMMENDED SYSTEM FLOAT VOLTAGE: 544.8 MIN. 552 MAX.
SYSTEM CUTOFF VOLTAGE: 400.8
FULL LOAD CURRENT: XXX AMPS
FULL LOAD CURRENT PER SERIES CIRCUIT: XXX AMPS
OPEN CIRCUIT VOLTAGE: 496 – 516 VDC

INSTALLATION AND MAINTENANCE

CAUTION: REFER TO INSTALLATION INSTRUCTIONS (IIS–1) PRIOR TO INSTALLING CABINET.

1. ALL RECOMMENDED CUSTOMER'S CABLE GAUGES ARE BASED ON TABLE 310–16 OF N.E.C. USING 75°C CABLE IN 30°C AMBIENT.
2. INTERNAL BREAKER IS FOR OVERCURRENT PROTECTION ONLY.
3. BREAKER LUG MOUNTING TORQUE VALUE: XXX IN–LBS
   BREAKER WIRE LUG TORQUE VALUE: XXX IN–LBS
   FUSE LUG MOUNTING TORQUE VALUE: N/A
4. USE INSULATED TOOLS FOR CABINET INSTALLATION.
   DO NOT ALLOW TOOLS OR CABLES TO REST ON BATTERIES.

IMPORTANT NOTE

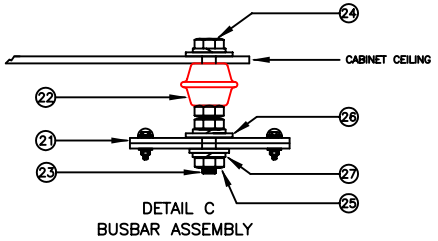
ALL CONNECTIONS TO BE RETORQUED ANNUALLY.

ALL CONNECTIONS MUST BE CHECKED FOR PROPER TORQUE PRIOR TO START UP OR ENERGIZING OF SYSTEM.

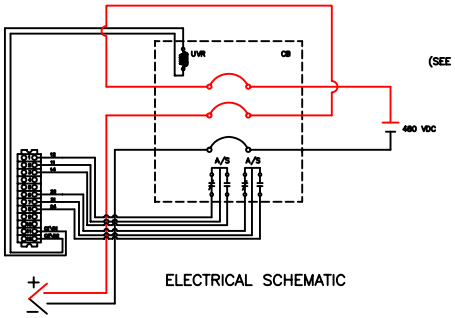
IMPORTANT NOTE

***THE CUSTOMER AND/OR CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING THIS EQUIPMENT IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS

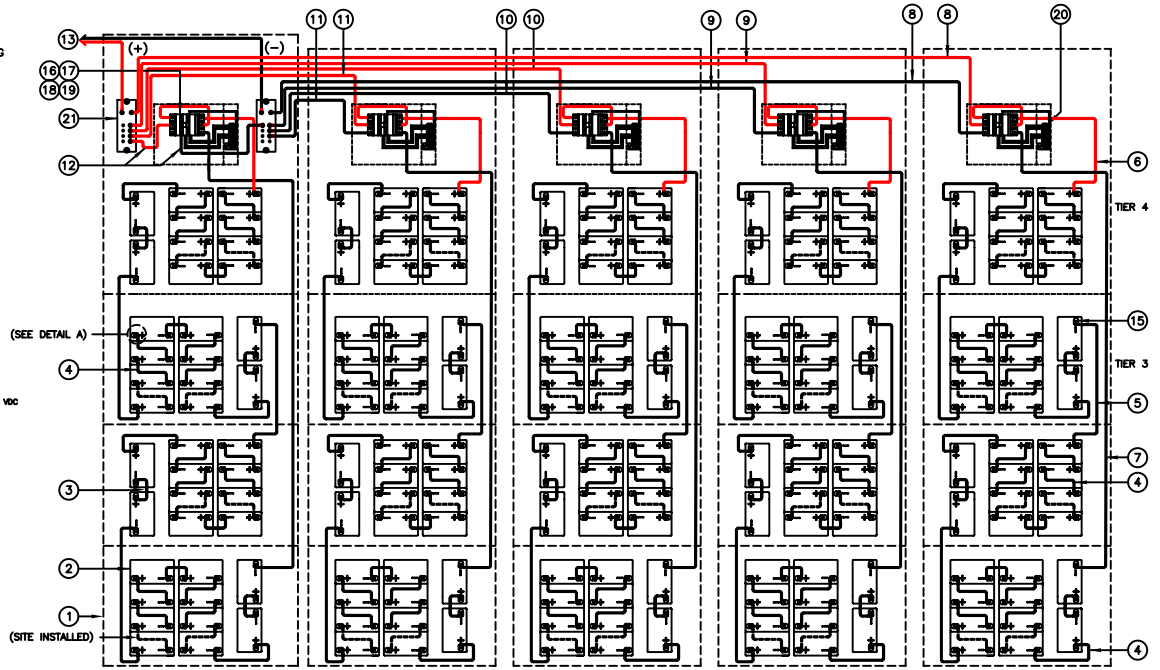
***WHEN HANDLING, KEEP UPRIGHT WITHIN +/– 15 DEGREES.



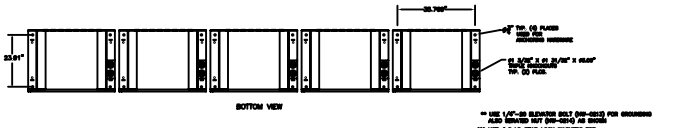
DETAIL C
BUSBAR ASSEMBLY



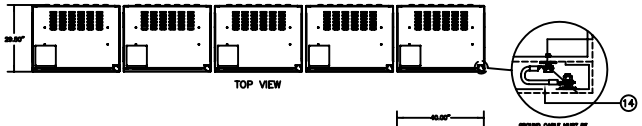
ELECTRICAL SCHEMATIC



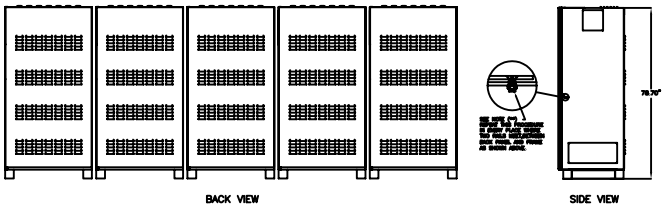
WIRING DIAGRAM



BOTTOM VIEW

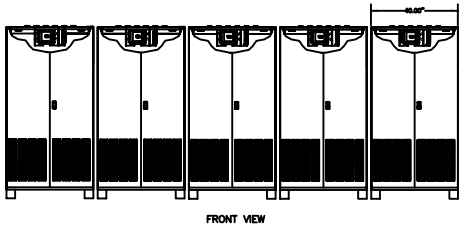


TOP VIEW

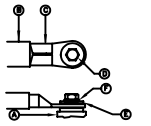


BACK VIEW

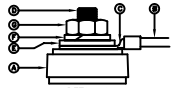
SIDE VIEW



FRONT VIEW



DETAIL A



DETAIL A

** CABINET COLOR:
TOSHIBA MIST WHITE FOR G9000MM
TOSHIBA BLACK FOR G9000

NO.	DESCRIPTION	QTY.	PART NO.
28	BATTERY RAIL INSULATION	60	
27	5/16 LOCK WASHER	4	HW–0006
26	5/16 FLAT WASHER	4	HW–0005
25	5/16–18 UNC HEX NUT	12	HW–0007
24	5/16–18 UNC x 5/8" HEX HEAD SCREW	4	HW–0008
23	5/16–18 UNC x 2" FULLY THREADED STUD	4	HW–0009
22	5/16–18 STANDOFF	4	CC–0002
21	BUSBAR (TWIN x 2)	4	RMB823–0001
20	TERMINAL BLOCK (671R2212)	5	TB–0078
19	CABLE LUG KIT	5	XXX
18	24V UNDERVOLTAGE RELEASE	5	XXX
17	AUXILIARY SWITCH	5	XXX
16	CIRCUIT BREAKER 500 VDC XXX A	5	TXXX
15	BATTERY HARDWARE KIT	200	SEE DETAIL A
14	CABLE (GROUND) X GA. 20" LG.	5	X–20B
13	CABLE TRIPLE RUN XXX MCM MINIMUM	2x3	SUPPLIED BY CUSTOMER
12	CABLE XX GA. 35" LG.	2	XX–35E
11	CABLE XX GA. 80" LG.	2	XX–80E
10	CABLE XX GA. 120" LG.	2	XX–120E
9	CABLE XX GA. 160" LG.	2	XX–160E
8	CABLE XX GA. 200" LG.	2	XX–200E
7	CABLE XX GA. 95" LG.	5	XX–95BE
6	CABLE XX GA. 55" LG.	5	XX–55BE
5	CABLE XX GA. 25" LG.	15	XX–25E
4	CABLE XX GA. 12" LG.	140	XX–12B
3	CABLE XX GA. 8" LG.	40	XX–8B
2	BATTERY	200	TC–12000X
1	CABINET	5	TSS

* CONTAINED IN BATTERY HARDWARE KIT (HAP–10)
SEE BATTERY LABEL FOR TORQUE VALUES.
FOR FRC/TC BATTERY SUFFIX "C"

* CONTAINED IN BATTERY HARDWARE KIT (HAP–10)
SEE BATTERY LABEL FOR TORQUE VALUES.
FOR FRC/TC BATTERY SUFFIX "S"

REVDESC	REVNUM	REVBY
REVDESC2	REVNUM2	REVBY2
REVDESC3	REVNUM3	REVBY3
REVDESC4	REVNUM4	REVBY4

DRAWN BY: KIMBERLY — DATE: 5/19/10
CHECKED BY: ANT — DATE: 5/19/10
APPROVED BY: ANT — DATE: 5/19/10

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TITLE: 5TS5 BATTERY SYSTEM (480VDC) FEATURING POWER BATTERIES

SERIAL#Q–0807

SCALE: SCALE
ORDER NO.: ORDERNUM
DRAWING NO.: DWGNUM
SH.SHTNUM OF TOTALSHTS

TOSHIBA INTERNATIONAL CORPORATION
13131 WEST LITTLE YORK ROAD, HOUSTON, TX. 77041 U.S.A.