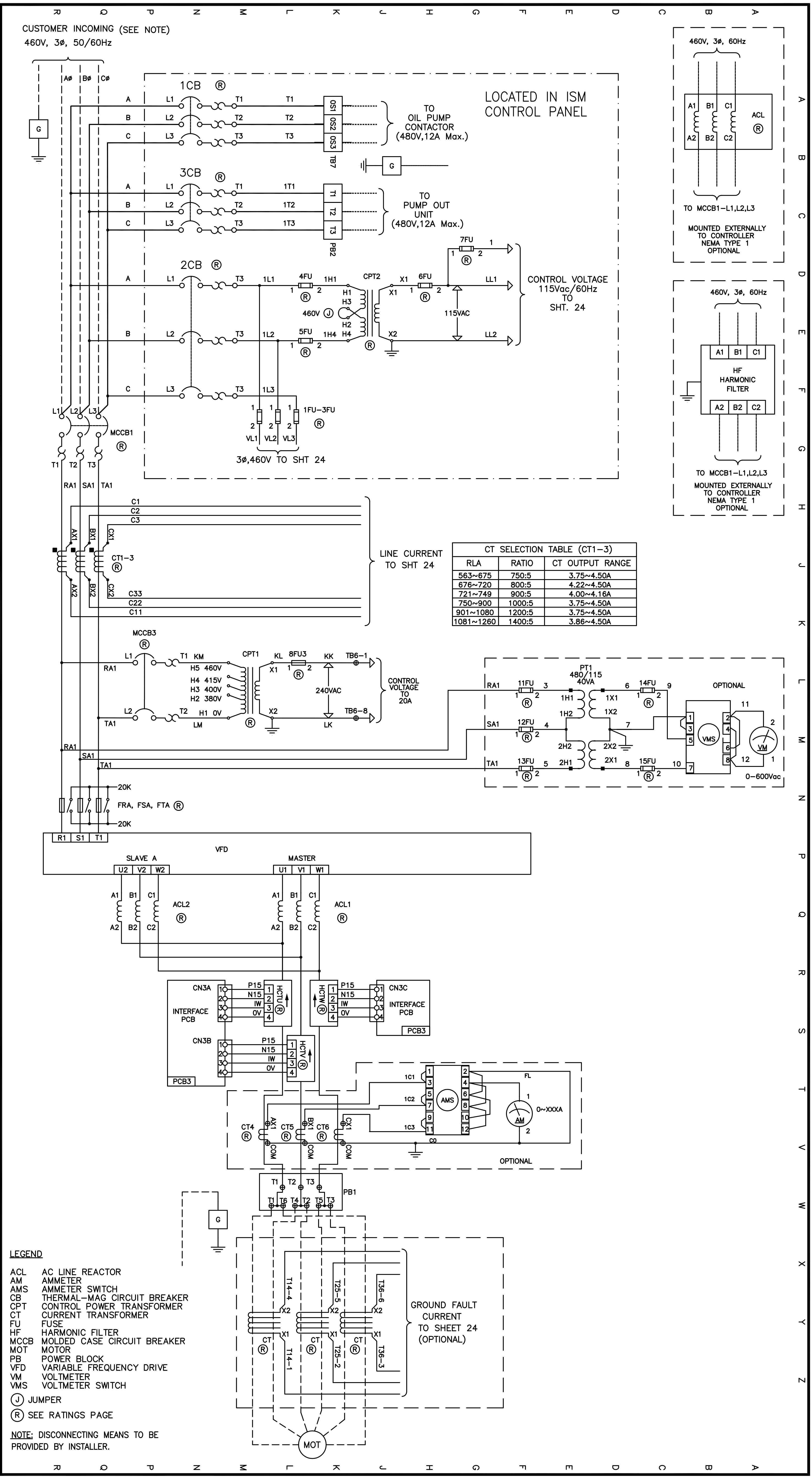
CUSTOMER INCOMING (SEE NOTE)
460V, 3Ø, 50/60Hz
AØ BØ CØ
G
1CB ®
A B C
L1 L2 L3
T1 T2 T3
OS1 OS2 OS3 TB7
TO OIL PUMP CONTACTOR (480V,12A Max.)
LOCATED IN ISM CONTROL PANEL
3CB ®
1T1 1T2 1T3
PB2
TO PUMP OUT UNIT (480V,12A Max.)
2CB ®
1L1 1L2 1L3
4FU 5FU 6FU 7FU
1H1 1H4
CPT2
H1 H3 H2 H4
460V Ⓙ
X1 X2
115VAC
LL1 LL2
CONTROL VOLTAGE 115Vac/60Hz TO SHT. 24
1FU–3FU ®
VL1 VL2 VL3
3Ø,460V TO SHT 24
MCCB1 ®
RA1 SA1 TA1
C1 C2 C3
AX1 BX1 CX1
CT1–3 ®
AX2 BX2 CX2
C33 C22 C11
LINE CURRENT TO SHT 24
MCCB3 ®
T1 KM
H5 460V
H4 415V
H3 400V
H2 380V
H1 0V
T2 LM
CPT1
KL 8FU3 KK
240VAC
LK
TB6–1 TB6–8
CONTROL VOLTAGE TO 20A
PT1 480/115 40VA
11FU 12FU 13FU 14FU 15FU
1H1 1H2 2H2 2H1
1X1 1X2 2X2 2X1
VMS
VM
0–600Vac
OPTIONAL
20K
FRA, FSA, FTA ®
R1 S1 T1
VFD
SLAVE A
U2 V2 W2
MASTER
U1 V1 W1
A1 B1 C1
A2 B2 C2
ACL2 ®
ACL1 ®
CN3A
INTERFACE PCB
P15 N15 IW 0V
HCTU ®
HCTW ®
CN3C
PCB3
CN3B
HCTV ®
1C1 1C2 1C3
AMS
FL
0~XXXA
AM
C0
CT4 ® CT5 ® CT6 ®
COM
OPTIONAL
PB1
T1 T2 T3
T1 T6 T4 T2 T5 T3
G
T14–4 T25–5 T36–6
X2 X1
CT ®
T14–1 T25–2 T36–3
GROUND FAULT CURRENT TO SHEET 24 (OPTIONAL)
MOT
460V, 3Ø, 60Hz
ACL ®
TO MCCB1–L1,L2,L3
MOUNTED EXTERNALLY TO CONTROLLER NEMA TYPE 1 OPTIONAL
HF HARMONIC FILTER
R Q P N M L K J H G F E D C B A
A B C D E F G H J K L M N P Q R S T V W X Y Z

CT SELECTION TABLE (CT1–3)		
RLA	RATIO	CT OUTPUT RANGE
563~675	750:5	3.75~4.50A
676~720	800:5	4.22~4.50A
721~749	900:5	4.00~4.16A
750~900	1000:5	3.75~4.50A
901~1080	1200:5	3.75~4.50A
1081~1260	1400:5	3.86~4.50A

LEGEND

ACL	AC LINE REACTOR
AM	AMMETER
AMS	AMMETER SWITCH
CB	THERMAL–MAG CIRCUIT BREAKER
CPT	CONTROL POWER TRANSFORMER
CT	CURRENT TRANSFORMER
FU	FUSE
HF	HARMONIC FILTER
MCCB	MOLDED CASE CIRCUIT BREAKER
MOT	MOTOR
PB	POWER BLOCK
VFD	VARIABLE FREQUENCY DRIVE
VM	VOLTMETER
VMS	VOLTMETER SWITCH
Ⓙ	JUMPER
®	SEE RATINGS PAGE

NOTE: DISCONNECTING MEANS TO BE PROVIDED BY INSTALLER.

REV	DATE	DESCRIPTION	BY	CHK	APPR
4					
3					
2					
1					
0	05/08/09	FIRST ISSUE	JH		

TOSHIBA

TOSHIBA INTERNATIONAL CORPORATION
MADE IN HOUSTON, TEXAS U.S.A.

THIS MATERIAL IS THE EXCLUSIVE PROPERTY OF TOSHIBA INTERNATIONAL CORPORATION AND SHALL NOT BE REPRODUCED, USED, OR DISCLOSED TO OTHERS UNLESS PRIOR WRITTEN AUTHORIZATION IS OBTAINED.

TITLE:
THREE–LINE DIAGRAM – 578~1114RLA
600~1000kVA, HX7+C 460VAC

CUSTOMER:

PROJECT NUMBER:

REVISION:
0

SCALE:

DRAWING NUMBER:
1808M208