

CUSTOMER CONNECTIONS

75 HP AND BELOW : USE MINIMUM 60°C COPPER WIRE

ABOVE 75 HP : USE MINIMUM 75°C COPPER WIRE

FACTORY POWER CONNECTIONS

Location of Distribution block (When Used)

CAPACITOR BLEEDER RESISTORS

CAP(s)

CONTROL CONNECTIONS

Tuned Inductor overtemp switch. (Option)

Material(s) Shall be RoHS Compliant

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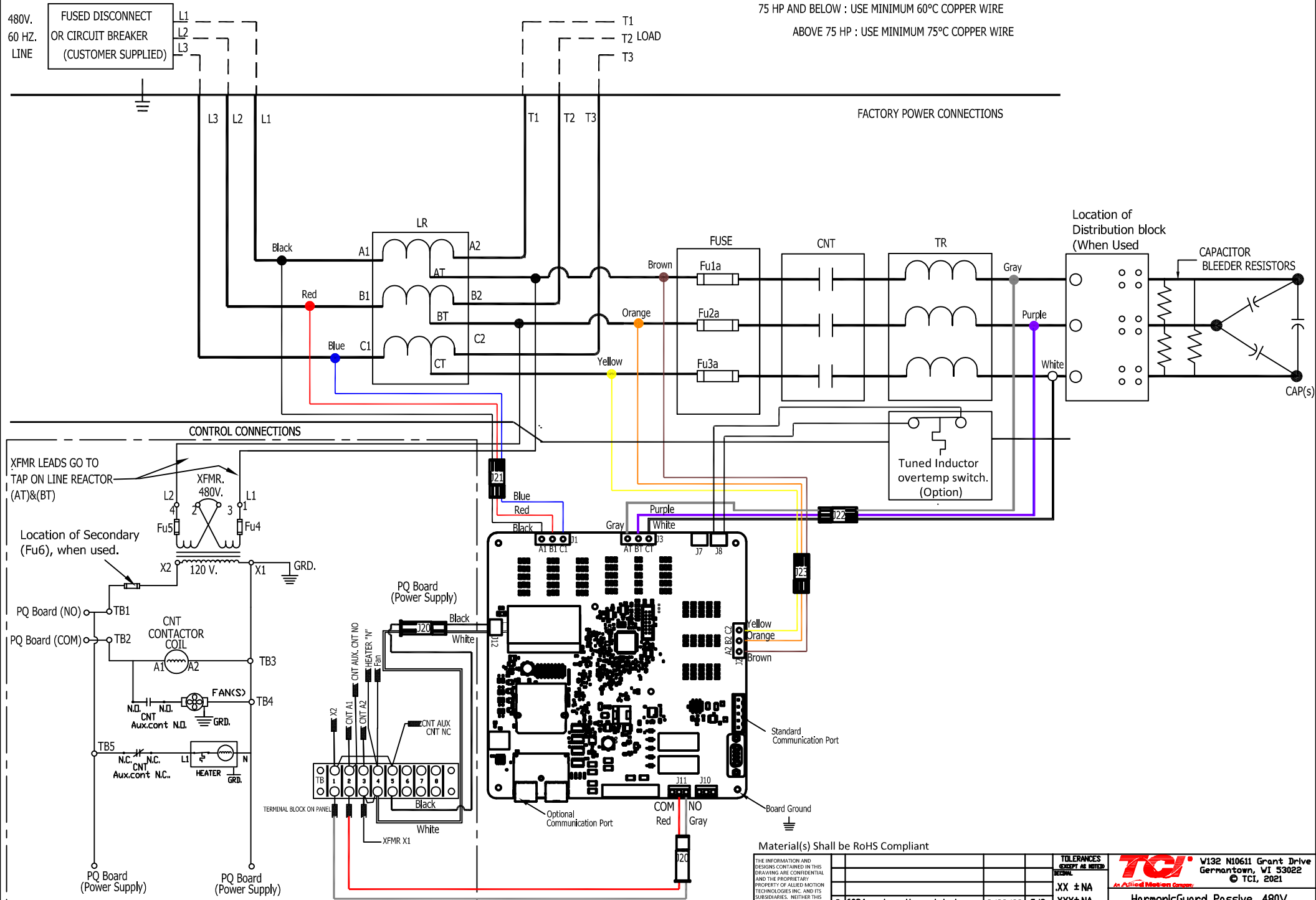
NO	REVISION	DATE	BY	SCALE
C	6024, schematic updated	8/23/22	GJS	
B	4904, Aux CNT Updated	9/26/19	DW	
A	4684, Wire Colors Updated	3/27/19	DW	
NO	REVISION	DATE	BY	SCALE

TOLERANCES UNLESS OTHERWISE SPECIFIED	.XX ± NA .XXX ± NA
FRACTIONAL DIMENSIONS	± NA
DATE	DATE
SCALE	SIZE
BY	DATE
DATE	DATE
DATE	DATE

W132 N10611 Grant Drive
Germantown, VI 53022
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HarmonicGuard Passive, 480V
Contractor/PQconnect/Heater

295970-PQH
SHT.1 OF 1



480V.
60 HZ.
LINE

FUSED DISCONNECT
OR CIRCUIT BREAKER
(CUSTOMER SUPPLIED)

L1
L2
L3

T1
T2 LOAD
T3

L3
L2
L1

T1
T2
T3

Black
Red
Blue

LR
A1 A2
AT B2
BT C2
C1

FUSE
Fu1a
Fu2a
Fu3a

CNT

TR

Gray
Purple
White

Distribution block

CAPACITOR BLEEDER RESISTORS
CAP(s)

XFMR LEADS GO TO
TAP ON LINE REACTOR
(AT)&(BT)

XFMR.
480V.
Fu5
Fu4

Location of Secondary
(Fu6), when used.

X2 120 V. X1 GRD.

PQ Board (NO) TB1

PQ Board (COM) TB2

CNT CONTACTOR COIL A1 A2 TB3

FAN(S) TB4

N.C. CNT Aux.cont N.C. TB5

HEATER GRD.

PQ Board (Power Supply)

PQ Board (Power Supply)

PQ Board (Power Supply)

TERMINAL BLOCK ON PANEL
X2
CNT A1
CNT A2
CNT NO
CNT NC
HEATER "N"
HEATER "V"
HEATER "E"
HEATER "F"

J21
J20
J22
J23
A1 B1 C1
A2 B2 C2
J1
J2
J3
J4
J5
J6
J7
J8
J9
J10
J11
J12

Standard Communication Port
Board Ground
Optional Communication Port
COM Red
NO Gray

Blue
Red
Black
Gray
Purple
White
Yellow
Orange
Brown