05.10.06

NOTES:
1. PROVIDE 4" HIGH CONCRETE HOUSEKEEPING PAD FOR MCC.
2. LOCATE MCC SUCH THAT PROPER FRONT WORKING SPACE IS MAINTAINED IN ACCORDANCE TO NEC 110-16(a).
3. ALL WIRE TO BE TYPE THHN/THWN.

- HANDLE MECHANISMS SHALL HAVE "LOCK-OFF" PROVISIONS
- ALL STARTERS ARE FVNR
- MCC SHALL BE WIRED NEMA CLASS I, TYPE A
- MCC SHALL HAVE MOTOR CIRCUIT PROTECTORS ON STARTER UNITS
- IF VFD'S ARE USED, ALL CONDUITS TO MOTORS CONTROLLED BY VFD MUST BE STEEL (NO PVC ALLOWED), AND ALL VFD MUST HAVE INDIVIDUAL DRIVEN GROUND RODS. VFD'S CONTROL REQUIRES (2) #16 TO DRY-CONTACT POWER SUPPLY INDIVIDUALLY PER VFD'S. ALSO THE CB IS INSTATANEOUS TRIP BREAKER (ARTICLE 430.52-A)

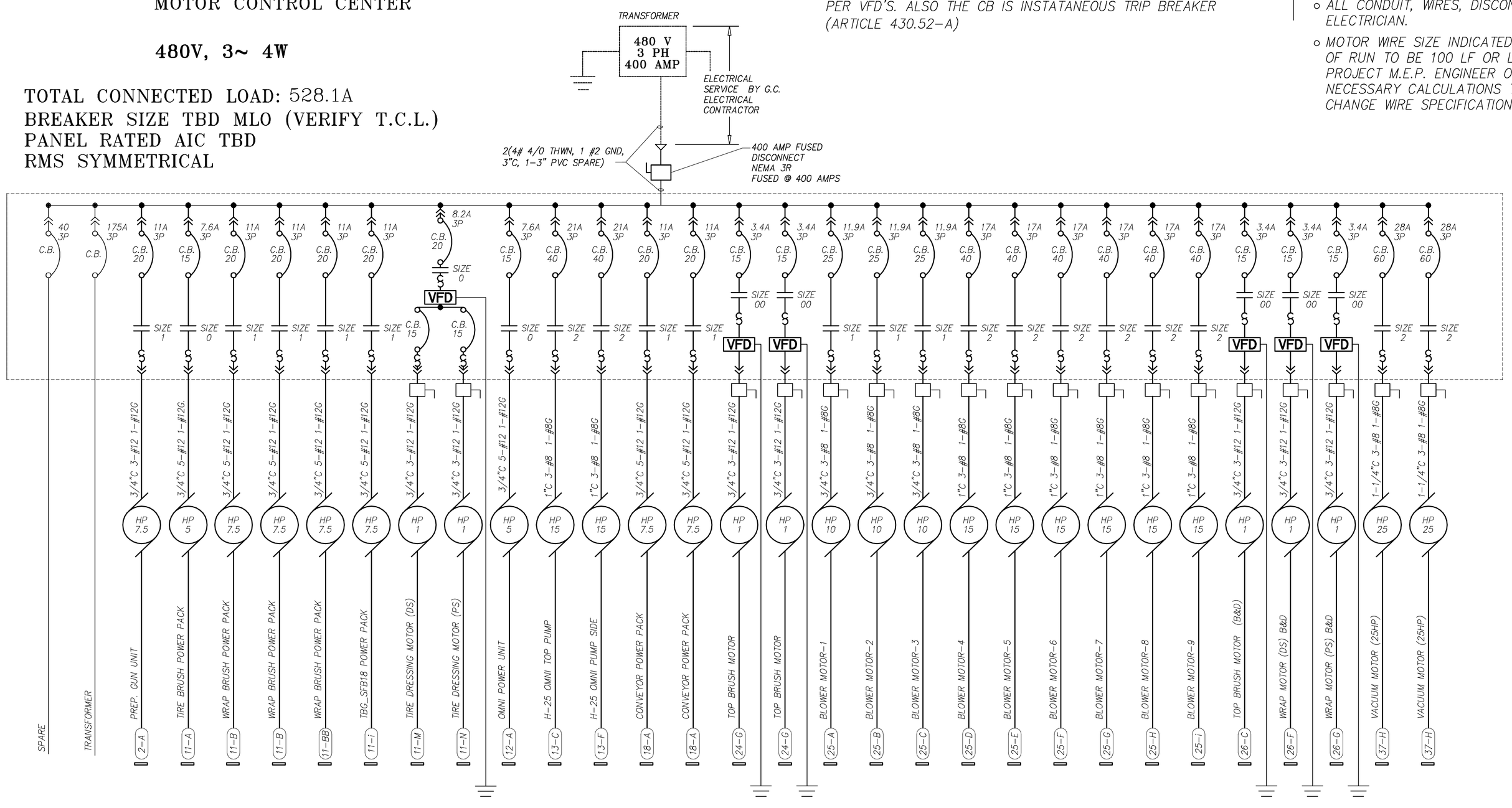
MCC NOTES:

- (└□)-DISCONNECTS TO BE MOUNTED IN TUNNEL OR OTHER AREAS NOT WITHIN 50 L.F. OR L.O.S. OF MCC IN CONFORMANCE WITH N.E.C. AND/OR LOCAL CODES..ALSO TO BE TYPE 4X NON-METALLIC ENCLOSURES, NON-FUSED SIZED FOR LOAD. DISCONNECTING MEANS SHALL NOT BE REQUIRED WHERE SUCH A LOCATION OF THE DISCONNECTING MEANS IS IMPRACTICABLE OR INTRODUCES ADDITIONAL OR INCREASED HAZARDS TO PERSON OR PROPERTY. N.E.C. (ARTICLE 430.102-B-a)
- ALL CONDUIT, WIRES, DISCONNECTS, AND TERMINATIONS BY G.C. ELECTRICIAN.
- MOTOR WIRE SIZE INDICATED ON THIS SHEET ASSUMES LENGTHS OF RUN TO BE 100 LF OR LESS. IF RUNS EXCEED 100 LF, PROJECT M.E.P. ENGINEER OF RECORD IS REQUIRED TO RUN NECESSARY CALCULATIONS TO DETERMINE VOLTAGE DROP AND CHANGE WIRE SPECIFICATIONS, AS NECESSARY.

MOTOR CONTROL CENTER

480V, 3~ 4W

TOTAL CONNECTED LOAD: 528.1A
BREAKER SIZE TBD MLO (VERIFY T.C.L.)
PANEL RATED AIC TBD
RMS SYMMETRICAL



MCC ONE-LINE DIAGRAM

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RAINFOREST CARWASH

5023 HARDY ST.
HATTIESBURG, MISSISSIPPI

JOB No:	2176	DATE:	06-28-2013
DRAWN BY:	JCT	CHECKED BY:	CD

REVISIONS

#	DESCRIPTION	DATE
A	ADDED RESTROOMS	07-19-13

CARWASH ONE-LINE DIAGRAM

SHEET No: 17 OF 22

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