

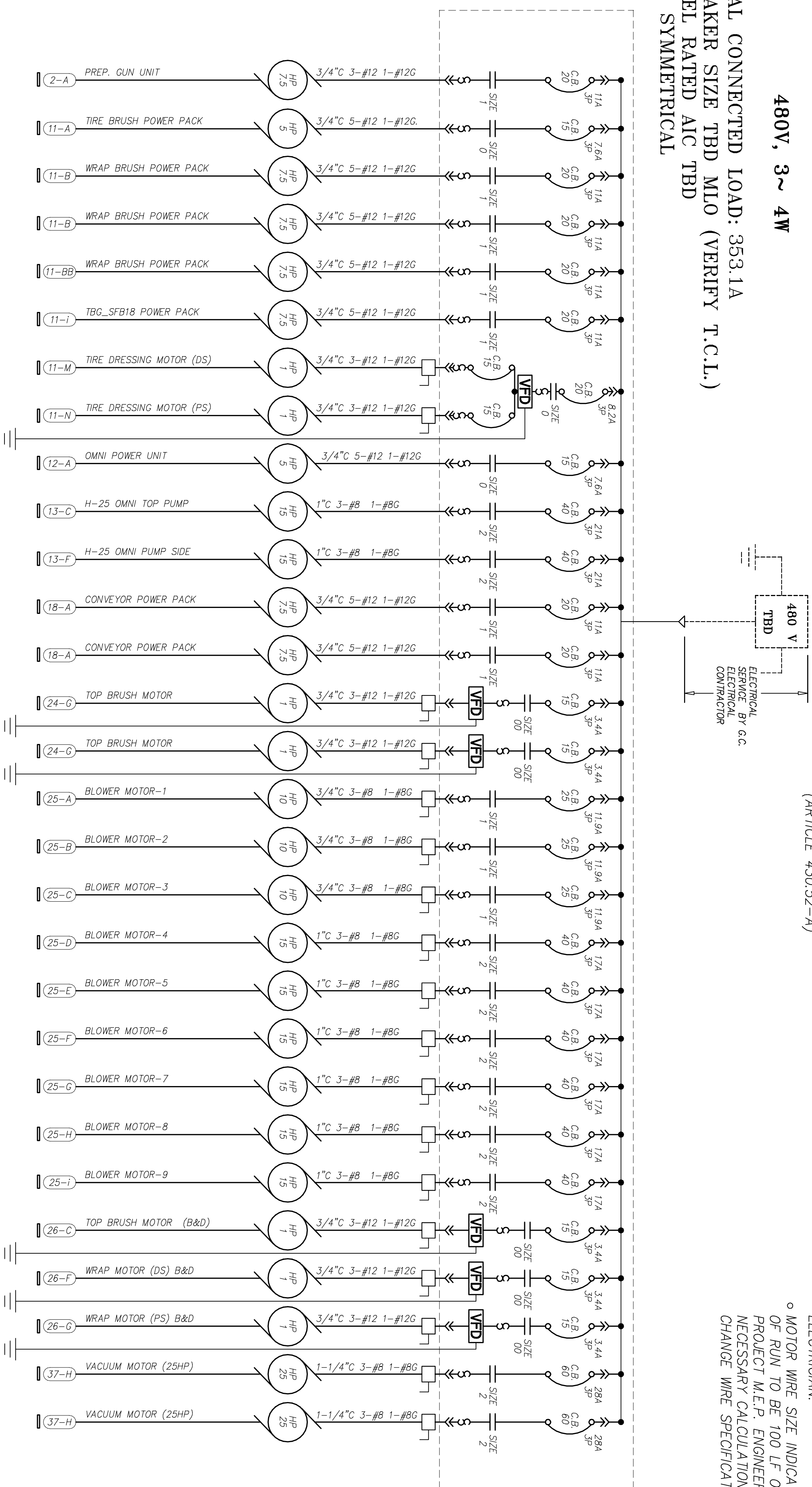
480V

- 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(G).
  3. ALL WIRE TO BE TYPE THHN/THWN.

MOTOR CONTROL CENTER

480V, 3~ 4W

TOTAL CONNECTED LOAD: 353.1A  
 BREAKER SIZE TBD MLO (VERIFY T.C.L.)  
 PANEL RATED AIC TBD  
 RMS SYMMETRICAL



ONE-LINE DIAGRAM

- MCC NOTES:
- HANDLE MECHANISMS SHALL HAVE "LOCK-OFF" PROVISIONS
  - ALL STARTERS ARE FWR
  - MCC SHALL BE WIRED NEMA CLASS 1, 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 PER VFD'S, ALSO THE CB IS INSTANTANEOUS TRIP BREAKER (ARTICLE 430.52-A)

- 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-e)
- 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.

NOT FOR CONSTRUCTION UNTIL APPROVED BELOW.

APPROVED BY: \_\_\_\_\_ DATE \_\_\_\_\_

DISCLAIMER  
 ALTHOUGH BUILDING CODES HAVE BEEN CONSIDERED IN DEVELOPING THIS DRAWING, VERIFICATION OF SITE SPECIFIC CONDITIONS AND COMPLIANCE WITH FEDERAL, STATE AND LOCAL BUILDING CODES IS THE EXCLUSIVE RESPONSIBILITY OF THE CUSTOMER AND/OR ARCHITECT AND ENGINEER.  
 THESE DRAWINGS REFLECT REQUIREMENTS FOR SONNY'S FURNISHED EQUIPMENT ONLY UNLESS OTHERWISE NOTED. PLEASE REFER TO OTHER MANUFACTURERS, IF ANY, FOR THEIR EQUIPMENT REQUIREMENTS.

CONFIDENTIAL WARNING:  
 THIS SHEET CONTAINS AND CONSTITUTES CONFIDENTIAL INFORMATION, IMAGES AND TRADE SECRETS OF SONNY'S ENTERPRISES INC. ANY UNAUTHORIZED USE OR DISCLOSURE OF ANY OR PORTION THEREOF, IS STRICTLY PROHIBITED. THIS WORK IS THE EXCLUSIVE PROPERTY OF SONNY'S ENTERPRISES INC. ALL RIGHTS RESERVED.

CWP-06370-B11-RAINFOREST-HATT.  
 SCALE: N.T.S. LOCATION: LA

Sheet Rev. E.4 - 1 -