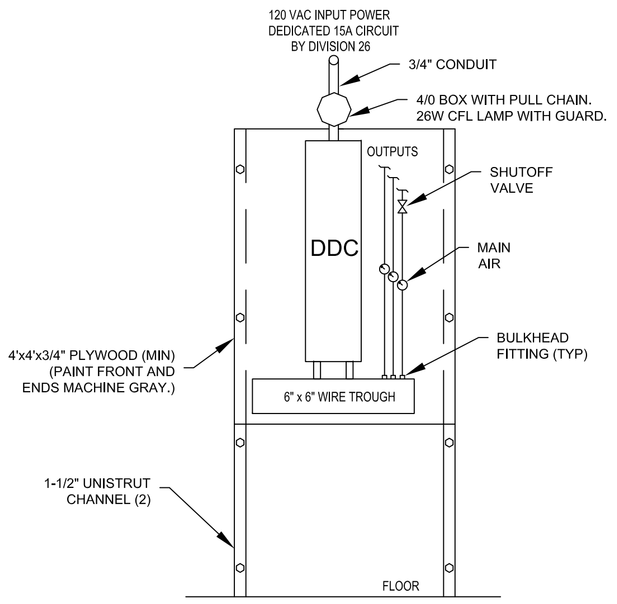
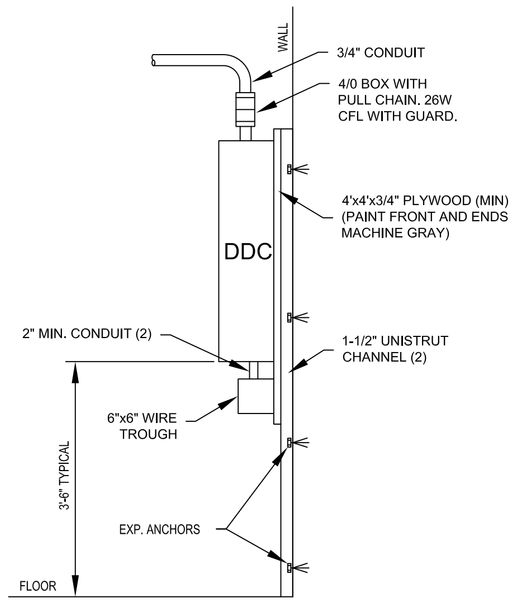
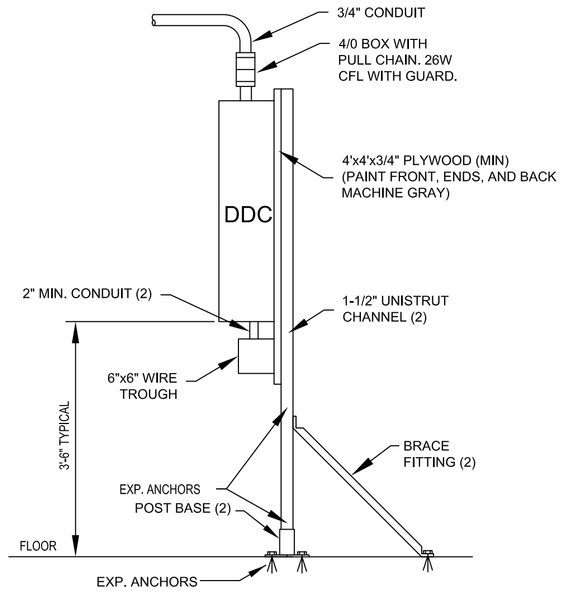
AS-BUILT DRAWINGS HAVE BEEN MODIFIED PER CONTRACTOR MARKUPS RECEIVED ON 05-19-14



FRONT VIEW



SIDE VIEW – WALL MOUNT

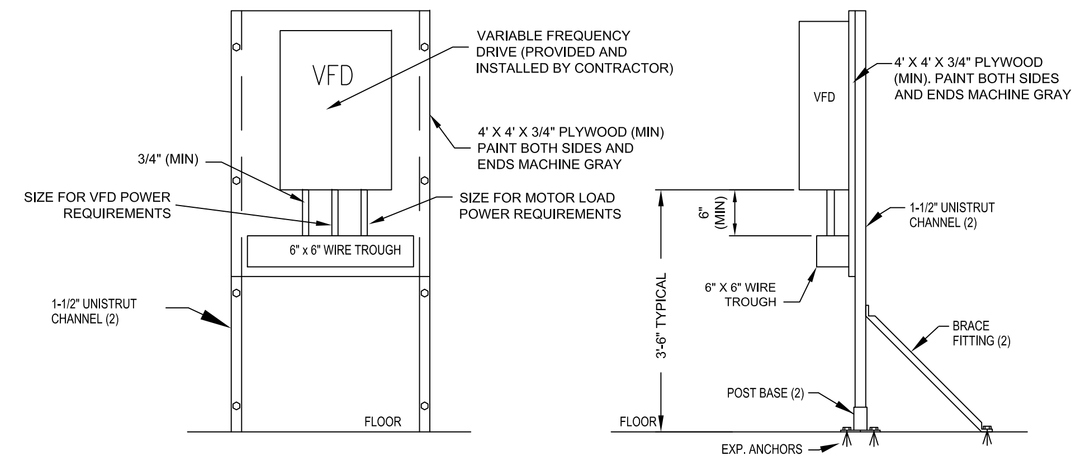


SIDE VIEW – FLOOR MOUNT

NOTES:

1. DDC CONTROLLERS ARE SUPPLIED BY OWNER AND MOUNTED BY CONTRACTOR.
2. KEEP ALL LOW VOLTAGE CONTROL WIRING (UNDER 25V) AND LOW VOLTAGE POWER WIRING (OVER 25V) SEPARATED. (RUN IN SEPARATE CONDUIT).
3. AIR FILTERS WILL BE INSTALLED BY OWNER DURING TERMINATION CONNECTIONS.
4. TCC SHALL INSTALL AIR GAUGES ON MAIN AIR AND EACH OUTPUT AT PANEL LOCATION.
5. PLYWOOD SIZE IS BASED ON THE NUMBER OF CONTROLLERS IN EACH LOCATION. COORDINATE WITH OWNERS REPRESENTATIVE.
6. ALL DEVICES REQUIRING POWER SHALL BE POWERED BY CONTRACTOR.

(A) DDC PANEL MOUNTING DETAIL
NO SCALE



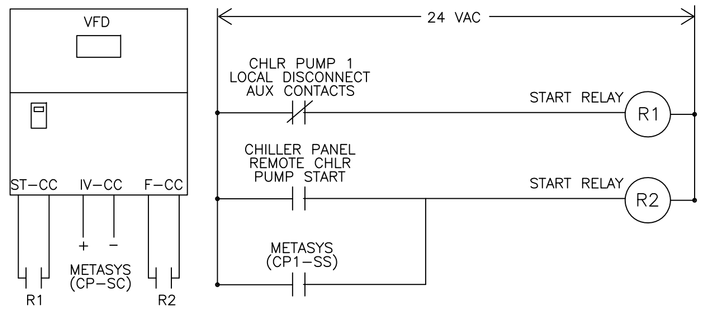
FRONT VIEW

SIDE VIEW – FLOOR MOUNT

NOTES:

1. VARIABLE FREQUENCY DRIVE (VFD) IS PROVIDED AND INSTALLED BY CONTRACTOR.
2. KEEP ALL LOW VOLTAGE CONTROL WIRING (UNDER 25V) AND HIGH VOLTAGE POWER WIRING (OVER 25V) SEPARATED. (RUN IN SEPARATE CONDUIT).
3. PLYWOOD SIZE IS BASED ON THE NUMBER OF VFDs IN EACH LOCATION. COORDINATE WITH OWNER'S REPRESENTATIVE.
4. POWER TO DRIVE AND LEADS TO MOTOR MUST BE IN SEPARATE CONDUIT.
5. IF REMOTE SERVICE DISCONNECT IS REQUIRED IT MUST BE HARDWIRED TO VFD SAFTEY CIRCUIT TO SHUT DOWN DRIVE IF DISCONNECT IS OPENED.

(B) VFD MOUNTING DETAIL
NO SCALE



DEVICES (SEE SPECS):

R	24 VAC CONTROL RELAY
CT	CURRENT TRANSFORMER (SWITCH)
HOA	HAND-OFF-AUTO SWITCH
VFD	VARIABLE FREQUENCY DRIVE

(C) CHILLER PUMP START DETAIL
NO SCALE

KRAIG L. SPENCE, P.E.
MO E-30125

THE PROFESSIONAL ENGINEER'S SEAL ON THIS DRAWING HAS BEEN AFFIXED IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 327, RSMo. IN AFFIXING THIS SEAL THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE WORK SHOWN ON THIS DRAWING ONLY, AND HEREBY DISCLAIMS ANY AND ALL RESPONSIBILITY FOR OTHER PROJECT DRAWINGS NOT DIRECTLY BEARING THIS SEAL.

DRAWN BY: KLS | CHECKED BY: KLS

Project Solutions Engineering, Inc.
2005 West Broadway - Suite 210 -Columbia - MO 65203
• Phone: (573) 443-7100 • Fax: (573) 443-7181
PSE Project E1329.01

MIZZOU NORTH - REPLACE CHILLER
COLUMBIA, BOONE COUNTY, MISSOURI 65203

MECHANICAL CONTROLS

PROJECT NUMBER
CP131791

SHEET
M503
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