DDC PANEL INSTALLATION DETAIL

MEC SERVICE BOX (120 TO 24VAC)

LOCAL USER INTERFACE
ETHERNET CONNECTION
LINE VOLTAGE CONDUIT

POWER SUPPLY

LOW VOLTAGE (6300FE Belden Cables) 4x4 WIREWAY

1. INSTALL NEW CONDUIT WITH 6300FE BELDEN CABLE TO TOP WIREWAY.
2. INSTALL NEW CONDUIT WITH THHN CABLE TO BOTTOM WIREWAY FOR FILTERED POWER.
3. INSTALL NEW CONDUIT WITH THHN CABLE TO BOTTOM WIREWAY FOR UNFILTERED POWER.
4. PROVIDE ADEQUATE WIREWAY LENGTH FOR FUTURE LCP CONNECTION.
5. INSTALL NEW 1-1/4" CONDUIT FROM TOP WIREWAY FOR 6300FE Belden Cable to Field Devices.
6. INSTALL NEW 3/4" CONDUIT WITH 3-#12 THHN CABLES FROM BOTTOM WIREWAY. CONTROL CONTRACTOR TO SOURCE 110V FROM LOCAL EMERGENCY DISTRIBUTION SUPPLY.

MEC

LCP

1/4" CONDUIT
1/2" CONDUIT
1" CONDUIT

120V (THHN CABLE) 4x4 WIREWAY

FUSED DISC. SW. FOR TOPAZ

ISOLATION TRANSFORMER (TOPAZ)

GENERAL NOTES:
NO FILTERED POWER IN SAME RACEWAY OR CONDUIT AS UNFILTERED POWER. MICROPROCESSORS ARE TO USE FILTERED POWER.

DDC PANEL INSTALLATION DETAIL

NOT TO SCALE 23 09 23-04

0 8/20/10 ORIGINAL ISSUE
#

Date: January 31, 2011
Dwg. No.: 23 09 23-04

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN FACILITIES STANDARDS - ADDENDUM NO. 1 - REVISED DRAWING