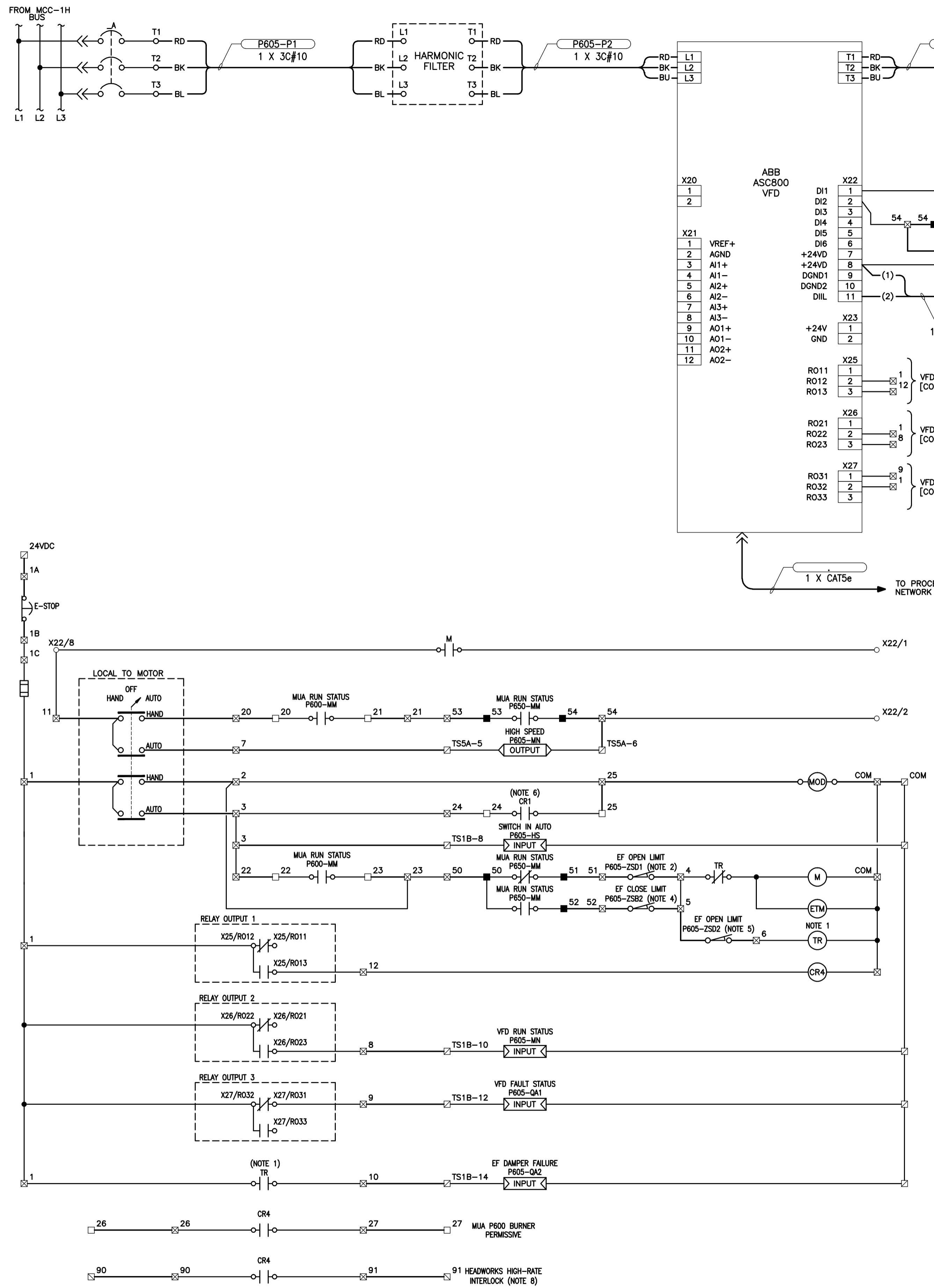


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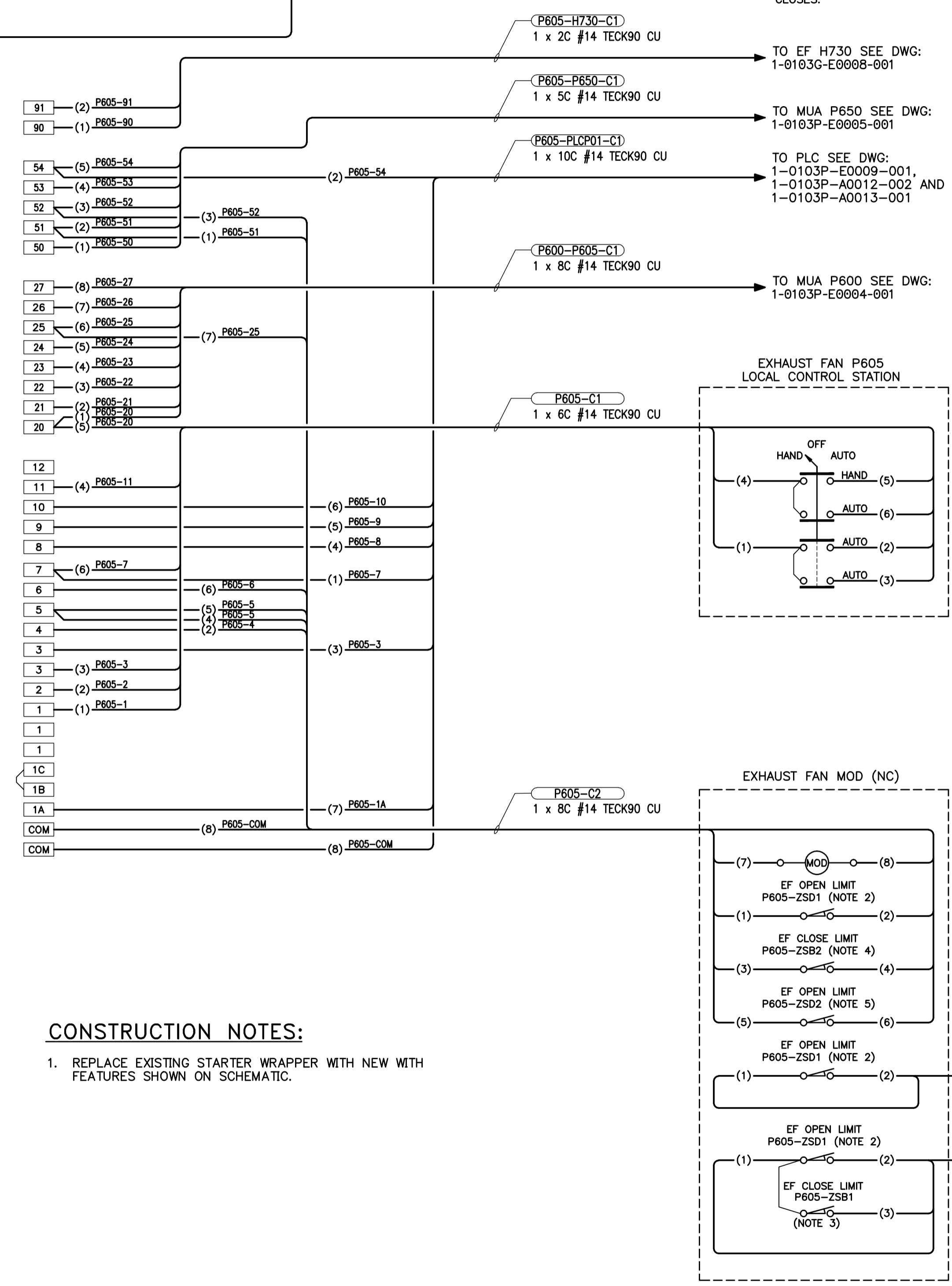


LEGEND

- ☐ PLC TERMINALS
- ☐ VFD STARTER TERMINALS
- ☐ MUA P600 TERMINALS
- MUA P650 TERMINALS
- ☐ EF H730 TERMINALS
- FIELD WIRING
- PANEL WIRING
- () CONDUCTOR IDENTIFICATION
- WIRE CONNECTION
- PILOT LIGHT
- ETM ELAPSED TIME METER
- OUTPUT PLC OUTPUT
- INPUT PLC INPUT

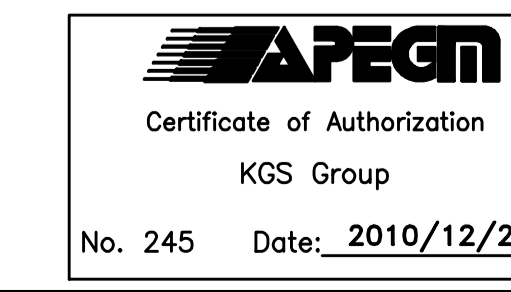
NOTES:

1. TIMING RELAY STARTS TIMING ON ENERGIZATION AND CONTACT OPENS AFTER TIMEOUT. TIMED OUT RELAY REQUIRES A MANUAL RESET.
2. LIMIT SWITCH CONTACT CLOSES WHEN DAMPER PROVES FULLY OPEN.
3. LIMIT SWITCH CONTACT CLOSES WHEN DAMPER PROVES FULLY CLOSED.
4. LIMIT SWITCH CONTACT OPENS WHEN DAMPER PROVES FULLY CLOSED.
5. LIMIT SWITCH CONTACT OPENS WHEN DAMPER PROVES FULLY OPEN.
6. REFER TO DRAWING 1-0103P-E0004-001 FOR DETAILS ON CR1 ACTIVATION.
7. REFER TO ALLEN BRADLEY DWG. ED 2039-009-92 FOR DETAILS ON EXISTING TWO SPEED STARTER CONTROLS.
8. REFER TO DRAWING 1-0103P-E0008-001 FOR DETAILS.
9. DAMPER LIMIT SWITCHES MAY REQUIRE MULTIPLYING RELAY(S) IN ORDER TO PROVIDE THE CORRECT NUMBER OF CONTACTS.
10. AUXILIARY CONTACT ON DISCONNECT SWITCH SHALL BREAK BEFORE DISCONNECT OPENS AND MAKE BEFORE DISCONNECT CLOSURES.



CONSTRUCTION NOTES:

1. REPLACE EXISTING STARTER WRAPPER WITH NEW WITH FEATURES SHOWN ON SCHEMATIC.



B.M. ELEV.	FIELD BOOK #:
POSTED TO LBIS	
00	ISSUED FOR TENDER
2010-12-21	REW
ND.	REVISIONS

ALLIANCE
Engineering Services Inc.

DESIGNED BY: REW/AP	CHECKED BY: REW
DRAWN BY: GCN	APPROVED BY: REW
HDR. SCALE: N.T.S.	RELEASED FOR CONSTRUCTION
VERTICAL: N.T.S.	
2009 09 29	

ENGINEER'S SEAL
R.E. WILLMS
Member 3833
PROVINCE OF MANITOBA
REGISTERED PROFESSIONAL ENGINEER

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

2010 HVAC REPLACEMENT AND ASSOCIATED WORKS
WEWPC

AREA P - PRIMARY CLARIFIERS 1 & 2
EF=P605 VFD SCHEMATIC & WIRING DIAGRAM

SHEET 1 OF 1
CITY DRAWING NUMBER
1-0103P-E0006-001