## CONDUCTOR COLOR CODING

| 12/C#12 | | 5/C#12 | 3/C#12 | 3/C#20 | 2/C#14 |
|---|---|---|---|---|---|
| R | R | | | | |
| O | O | | | | |
| BL | BL | | | | |
| WH | WH | | | | |
| R/BLK | G | | | | |
| O/BLK | | | | | |
| BL/BLK | R | | | | |
| WH/BLK | WH | | | | |
| BLK | BLK | | | | |
| BLK/WH | | | | | |
| G/BLK | R OR O | | | | |
| G | WH OR YEL | | | | |
| | BLK OR BL | | | | |
| BLK | BLK | | | | |
| 2-1/C#6 | CLEAR | | | | |
| WH | | | | | |

NOTE: ALL TERMINAL BLOCK CONNECTIONS SHALL BE ARRANGED AS SPECIFIED ABOVE

# - REMOVE WIRE FROM EXISTING CONDUIT
+ - RUN NEW WIRE THROUGH EXISTING CONDUIT

CONTROLLER CABINET

Ø4 & Ø7 EVP DETECTOR
Ø4 & Ø7 EVP LIGHT
P6-1 PB6-1
P6-1 PB4-1 PB4-2 REMOVE
HH 1
4-6,10,11,18-21,26,35-38,90
12#, 52+
4-6,10,11, 18-21,26,29, 35-38,52,90
HH 17
D3-1
6,29,37,38,52
4,5,10,11.18-21, 26,29,35,36,90
HH 16
HH 15 PB6-1 REMOVE
PEDESTRIAN PUSH BUTTON STATION
D8-2
D8-3
4,5,10,11,29,35,36
HH 14
26,90
HH 13
HH 124
HH 123
D5-1
INTERCONNECT TO JACKSON AVE
P8-1
PB6-2 PB8-1
P6-2
Ø1 & Ø6 EVP LIGHT
Ø1 & Ø6 EVP DETECTOR

RLTA, YLTA, GLTA, NEU — 5-1
RED, YEL, GRN, NEU — 2-1
RED, YEL, GRN, EQG — 2-2
RED, YEL, GRN, NEU, YLTA, GLTA, SPR, NEU, SPR, SPR, SPR, EQG — 8-3
RED, YEL, GRN, NEU, YLTA, GLTA, SPR, NEU — 8-2
RED, YEL, GRN, EQG — 8-1
RED, YEL, GRN, NEU, YLTA, GLTA, SPR, NEU, WLK, DWK, SPR, EQG — 4-3, P6-2
RLTA, YLTA, GLTA, NEU — 1-1
RED, YEL, GRN, NEU — 6-1
RED, YEL, GRN, EQG — 6-2
RED, YEL, GRN, NEU, YLTA, GLTA, SPR, NEU, RED, YEL, GRN, EQG — 4-2, 4-1

PB4-1 NEU PB2-2 — 7
P2-3 WLK NEU P2-3 DWK — 8 — REMOVE
PB2-3 NEU PB8-2 — 9
PB6-2 NEU PB8-1 — 10
P8-1 WLK NEU P8-1 DWK — 11
PB6-1 NEU PB4-2 — 12 — REMOVE
SIGNAL SERVICE — 13
CONVENIENCE — 14
D1-1 — 15
D2-1 — 16
D2-2 — 17
D3-1 — 18
D8-2 — 19
D8-1 — 20
D8-3 — 21
D7-1 — 22
D4-2 — 23
D4-2 — 24 — REMOVE
D4-1 — 25
D5-1 — 26
D6-1 — 27
D6-2 — 28

Ø3 & Ø8 EVP LIGHT — 31
Ø3 & Ø8 EVP DETECTOR — 32
Ø2 & Ø5 EVP LIGHT — 33
Ø2 & Ø5 EVP DETECTOR — 34
Ø1 & Ø6 EVP LIGHT — 35
Ø1 & Ø6 EVP DETECTOR — 36
Ø4 & Ø7 EVP LIGHT — 37
Ø4 & Ø7 EVP DETECTOR — 38
PRE-EMPTION TO RR SERVICE CABINET — 39
Ø2 & Ø5 EVP DETECTOR — 50
RLTA, YLTA, GLTA, NEU, SPR, WLK, DWK, NEU — 1-2, P8-2 — 51
PB 8-2 SPR SPR EQG
RLTA, YLTA, GLTA, NEU, SPR, WLK, DWK, NEU — 5-2, P6-1 — 52
PB 6-1 SPR SPR EQG
INTERCONNECT TO JACKSON ST. — 90

1-3,15-17,22,23, 25,27,28,31-34,50 7#, 8#, 9#, 24#, 51+
39
HH 125
HH 126
HH 127
HH 128
1-3/C #12 TO RAILROAD SERVICE CABINET

HH 2
1-3,15-17,22, 23,25,30-34,50 7#, 8#, 9#, 24#, 51+
27,28
HH 3
D6-1
D6-2
HH 4
1-3,15-17,22, 23,25,30-34,50 7#, 8#, 9#, 24#, 51+
HH 5
15
D1-1
1-3,16,17,22, 23,25,30-34,50 7#, 8#, 9#, 24#, 51+
HH 6
25,30-34,50 7#, 8#, 9#, 24#, 51+
HH 7
1-3,16,17,22,23
HH 8
25
D4-1
1-3,16,17,22,23, 30-34,50,51
HH 9
22 23
D7-1
D4-2
1,2,30,33,34
HH 10
3,16,17,30-32,50,51
3,30-32,51
HH 11
16,17 50
16,17 50
HH 12
16 17
D2-1
D2-2
50
50
Ø2 & Ø5 EVP DETECTOR
Ø3 & Ø8 EVP DETECTOR
Ø3 & Ø8 EVP LIGHT
P2-3 PB8-2 REMOVE
8-2 8-1
1-2 P8-2 PB8-2
5-1 2-1 2-2
8-3
Ø2 & Ø5 EVP DETECTOR
Ø2 & Ø5 EVP LIGHT
PB4-1 PB2-2 REMOVE
Ø2 & Ø5 EVP DETECTOR
Ø2 & Ø5 EVP LIGHT

LOAD CENTER
29 — LUMINAIRE 1
LUMINAIRE 4
30 — LUMINAIRE 2
LUMINAIRE 3
13 — SIGNAL SERVICE
91 — INPUT POWER
29,30
HH 18
91
91
S.O.P.
GROUND ROD

DESIGNED BY: CNR DRAWN BY: RJS
APPROVED BY: BCJ JOB NUMBER 816600J
CAD DATE: 01/31/2005 11:15:58 AM
CAD FILE: o:\cad\816600J\dgn\THIO-Main WD.dgn

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA
SIGNATURE _____ DATE 3/28/03
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