

CONDUCTOR COLOR CODE			
FROM		TO DEVICE	
SIGNAL SERVICE	1/C 6 EGC	AS SHOWN ON PLAN	
SOP	3-1/C 2	SIGNAL SERVICE	
SIGNAL SERVICE	3-1/C 6	SIGNAL CABINET	
SIGNAL CABINET	(6SM) CABLE	SIGNAL CABINET	
SIGNAL CABINET TO DEVICE			
6PR 19		AS SHOWN ON PLAN	
COAXIAL CABLE		AS SHOWN ON PLAN	
4/C 18 CABLE		AS SHOWN ON PLAN	
2/C 14 CABLE		AS SHOWN ON PLAN	
3/C 20 CABLE		AS SHOWN ON PLAN	
CAT 5		AS SHOWN ON PLAN	
SIGNAL CABINET TO DEVICE			
6/C 16 CABLE		4 AND 5 SECTION SIGNAL HEADS	
4/C 16 CABLE		3 SECTION HEAD PED HEADS	
7/C 16 CABLE		5 SECTION (CLUSTER HEADS ONLY)	
3/C 16 CABLE		EVP LIGHT/AWF LUMINAIRE VIDEO CAMERA ENFORCEMENT LIGHT	

NOTES:
ARRANGE AND TERMINATE CONDUCTORS AND CABLES AS SHOWN WITHOUT SPLICE.
NUMBER ONLY MEANS AWG CONDUCTOR SIZE (e.g. 16=16AWG)
1/C MEANS AN INDIVIDUAL CONDUCTOR NOT PART OF A CABLE ASSEMBLY

CABLE LABELING ABBREVIATIONS		
ABBREVIATION	LABEL REFERENCE DESCRIPTION & EXAMPLE	COMPONENT
X-Y	INDICATION NUMBER 2-1	SIGNAL HEAD
X-Y	LOOP NUMBER D2-1	DETECTOR
X-Y	PUSH BUTTON NUMBER PB2-1	PUSH BUTTON
X-Y	PED INDICATION NUMBER P2-1	PED INDICATION
X-Y	LUMINAIRE NUMBER L1	LUMINAIRE
X-Y	EVP PHASE NUMBER EVP 2+5	EVP DETECTOR
X-Y	EVP LIGHT PHASE NUMBER EVPL 2+5	EVP CON. LIGHT
X-Y	VIDEO DETECTION PHASE V2-1	VIDEO DETECTION
X-Y	RADAR DETECTION PHASE RD2-1	RADAR DETECTION
SS	SIGNAL SERVICE	SERVICE WIRE
CC	CABINET COMMS	COMMS CABLE
FO	FIBER OPTIC	FIBER CABLE
SPARE Y	SPARE WIRE TO POLE NUMB. SPARE1	SPARE WIRE
ELYZ *	ENFORC. LIGHT POLE & DIRECTION	ENFORCEMENT LIGHT
PTZ1	PTZ CAMERA POLE NUMBER PTZ1	PTZ CAMERA
IC	INTERCONNECT CABLE	INTERCONNECT
EGC	EQUIPMENT GROUNDING CONDUCTOR	GROUND

X = SIGNAL SYSTEM PHASE NUMBER; REFER TO THE PLAN
Y = SIGNAL SYSTEM ASSIGNED COMPONENT NUMBER; REFER TO THE PLAN
Z * = DIRECTION
FURNISH AND INSTALL LABELS ON CABLES WITH ABBREVIATIONS SHOWN ON THIS TABLE AND IN ACCORDANCE WITH THE WIRING DIAGRAM.

WIRE COLOR CODE KEY	
R	Red
O	Orange
BL	Blue
WH	White
BLK	Black
BRN	Brown
CL	Clear
G	Green
R/BLK	Red with Black Stripe
O/BLK	Orange with Black Stripe
BL/BLK	Blue with Black Stripe
WH/BLK	White with Black Stripe
WH/R	White with Red Stripe
BLK/WH	Black with White Stripe
BLK/R	Black with Red Stripe

CONDUCTOR AND CABLE SPECIFICATION CHART		
NUMBER OF CONDUCTORS & AWG SIZE	TYPE	Specification Number
1/C 2	INDIVIDUAL SERVICE CONDUCTORS	3815.2B.1
1/C 6	FEEDER AND BRANCH CONDUCTORS	3815.2B.1
1/C 6 INS.GR.	Grounding Conductors	3815.2B.5
2/C 14	Loop Detector Lead-In Cable	3815.2C.4
3/C 16	Signal Control Cable	SPEC. PROV.
4/C 16	Signal Control Cable	SPEC. PROV.
6/C 16	Signal Control Cable	SPEC. PROV.
4PR 24	ETHERNET CABLE	3815.2C.6.d
6PR 19	Telephone Cables Outdoor	3815.2C.6.b
3/C 20	EVP Detector Cable	3815.2C.5

FOUNDATION DESIGNATION	
① ② ③	
POLE FOUNDATION TYPE TS45-55 - DS - S	
(SEE STANDARD PLAN 5-297.861)	
①	FOUNDATION TYPE
②	DS=DRILLED SHAFT, SF=SPREAD FOOTING
③	BLANK=DOES NOT APPLY TO POLE TYPE, S=STANDARD, H=HEAVY

POLE DESIGNATION	
① ② ③ ④ ⑤	
TYPE TS - A - 45 - D40-9	
(SEE STANDARD PLATE 8124 15' TO 55' MAST ARMS) (SEE STANDARD PLATE 8125 60' TO 80' MAST ARMS)	
①	POLE TYPE
②	MAST ARM ORIENTATION WITH RESPECT TO C OF ROADWAY (TYPE A=90° B=45°)
③	SIGNAL MAST ARM LENGTH
④	D=DAVIT, NUMBER REPRESENTS MOUNTING HEIGHT
⑤	LUMINAIRE MAST ARM LENGTH



SYSTEM ID: XXXX T.E. 1234
METER ADDRESS: 9999 GRAND AVE

LICENSED PROFESSIONAL ENGINEER

Will D. Zine
LIC. NO. 999666
DATE: 27-DEC-2024

I HEREBY CERTIFY THAT THIS PLAN SHEET 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.

COLOR CODE CHART/CABLE ABBREVIATIONS
FOUNDATION/POLE DESIGNATION
DETAIL

STATE PROJ. NO. 9999-99
T.H. 156

SHEET NO. 6
TOTAL SHEETS 13