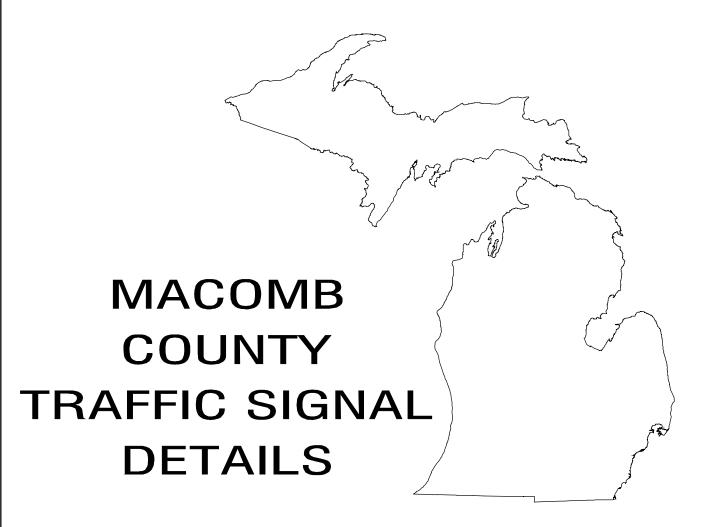
Michigan Department of Transportation Traffic and Safety



MC-026A THROUGH MC-120A

Disclaimer:

The information provided is a product of the Michigan Department of Transportation (MDOT) and is intended for your use and is not to be sold or otherwise distributed for profit. There are no expressed or implied warranties concerning the accuracy, completeness, reliability or usability of this information. The MDOT assumes no responsibility for any incorrect results or damage resulting from the use of this information.

The information presented in these documents has been prepared in accordance with recognized engineering principles and is for general use. It should not be used for specific application without competent professional examination and verification of its suitability and applicability by a licensed professional engineer.

ENGLISH VERSION



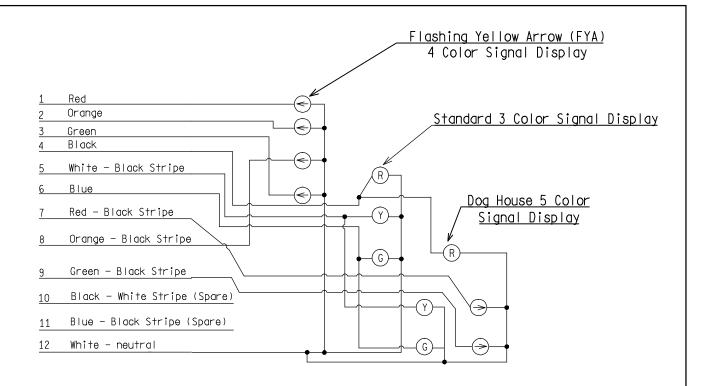
DEPARTMENT DIRECTOR
KIRK T. STEUDLE

PREPARED BY TRAFFIC AND SAFETY

ENGINEER OF TRAFFIC AND SAFETY

DRAWN BY: MTS
CHECKED BY: JAT

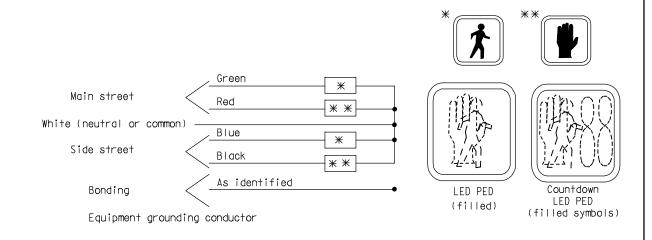
MDOTProjectwise\Documents\Reference Documents\Traffic Reference\Signals\Macomb County Special Details\Develop



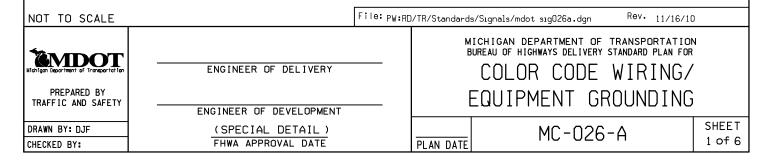
BOX SPAN

COLOR CODE FOR WIRING CONNECTING TRAFFIC SIGNAL LAMPS 12 CONDUCTOR CABLE

NOTE: Cable between splice box and controller cabinet.



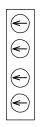
COLOR CODE FOR WIRING CONNECTING PEDESTRIAN SIGNAL LAMPS (WALKING PERSON - HAND SYMBOL)

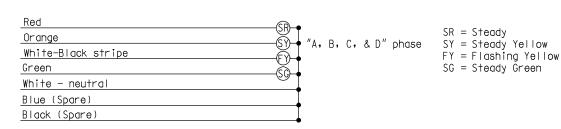




Red	•
Drange (A)	"A, B, C & D" Phase
Green	AT BY C & B TINGOC
White - neutral	
Black (Spare)	
White - Black stripe (Spare)	
Blue (Spare)	

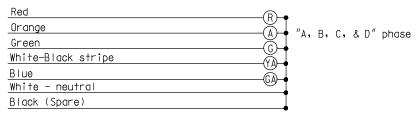
<u>STANDARD - 3 COLOR SIGNAL DISPLAY</u> <u>7 CONDUCTOR CABLE</u>





FLASHING YELLOW ARROW (FYA) - 4 COLOR SIGNAL DISPLAY 7 CONDUCTOR CABLE





DOG HOUSE W/RIGHT TURNS - 5 COLOR SIGNAL DISPLAY 7 CONDUCTOR CABLE

R = Red Ball A = Yellow Ball

G = Green Ball

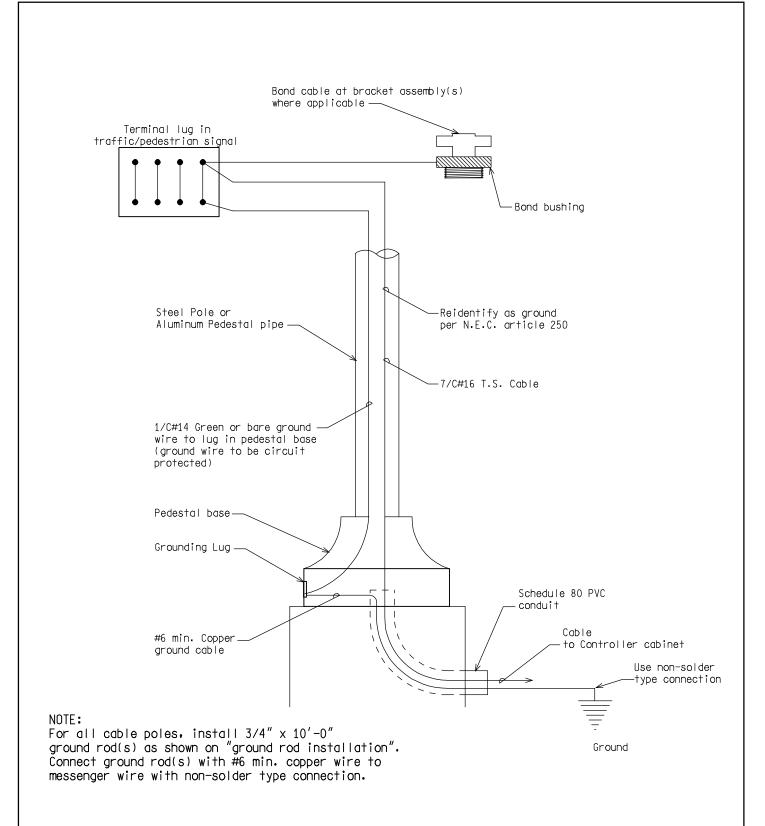
YA = Yellow Arrow

GA = Green Arrow

COLOR CODE FOR WIRING CONNECTING TRAFFIC SIGNAL LAMPS

NOT TO SCALE

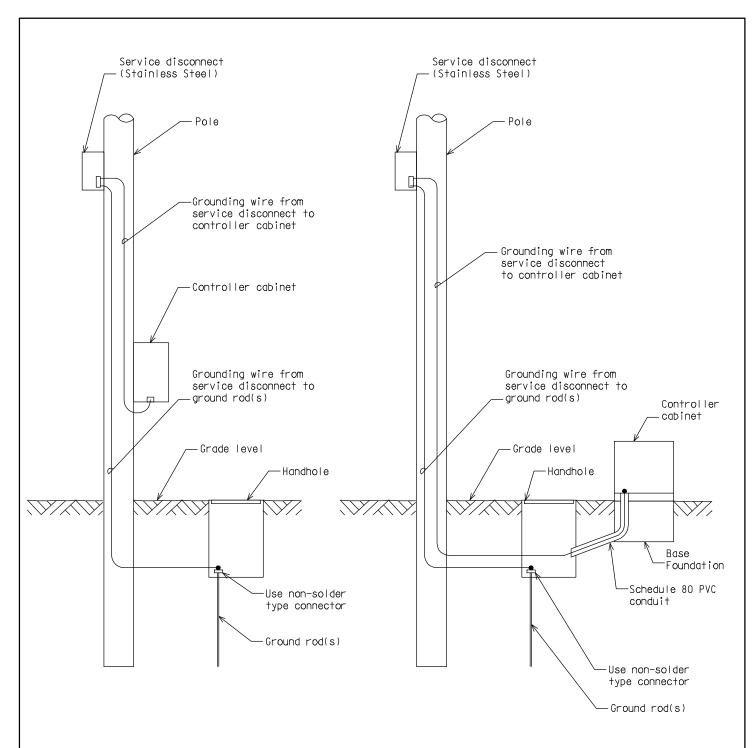
MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAYS DELIVERY STANDARD PLAN	(SPECIAL DETAIL) FHWA APPROVAL DATE		MC-026-A	SHEET
File: PW:RD/TR/Standards/Signals/mdot sig026a.dgn	Rev. 11/16/10	PLAN DATE	MC 020 H	2 of 6



STEEL POLE/PEDESTAL GROUNDING DETAIL

NOT TO SCALE

MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAYS DELIVERY STANDARD PLAN	(SPECIAL DETAIL) FHWA APPROVAL DATE		MC-026-A	SHEET
File: PW:RD/TR/Standards/Signals/mdot sig026a.dgn	Rev. 11/16/10	PLAN DATE	11C 020 H	3 of 6



GROUNDING

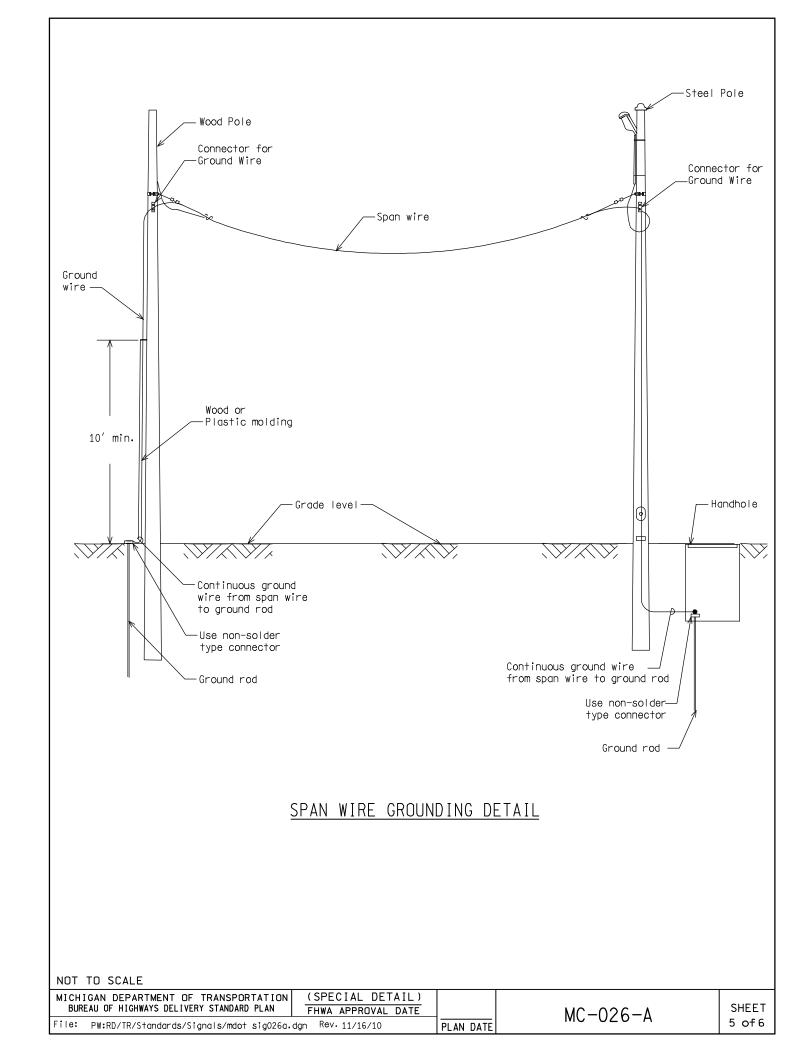
Install 3/4 " x 10'-0" copper clad ground rod(s) as required to provide less than 10 OHM resistance to ground.

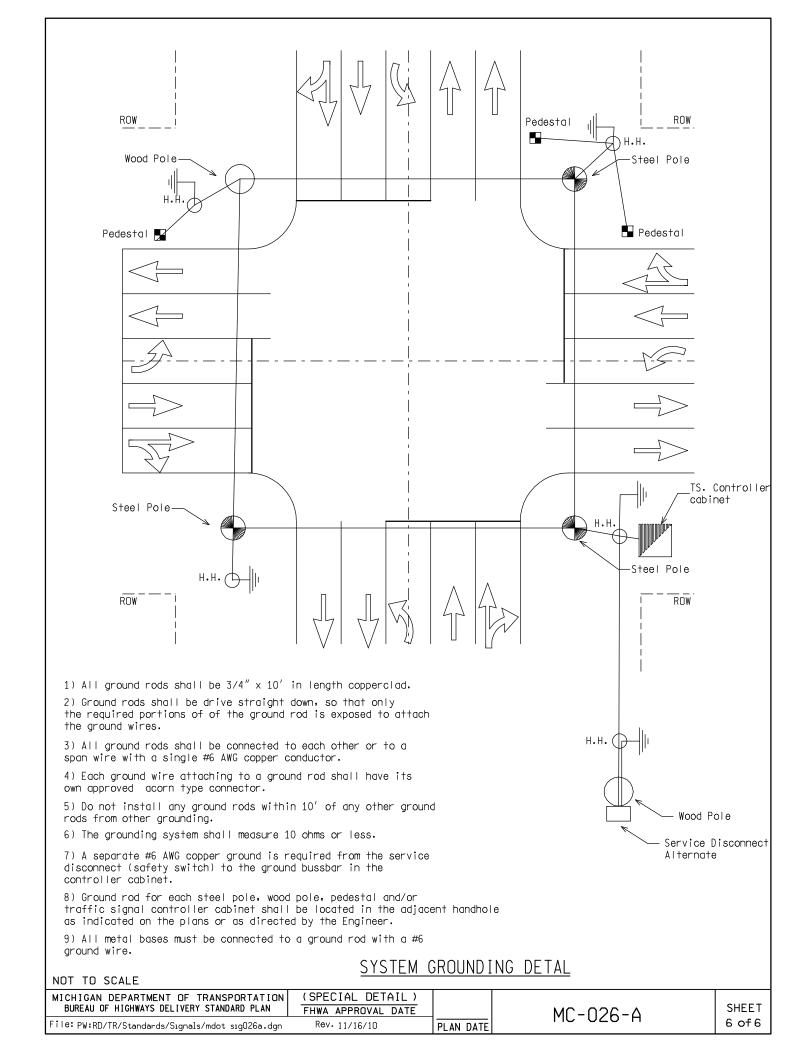
Grounding wire #6 AWG min. bare copper grounding wire shall be installed to meet N.E.C. and utility company specs.

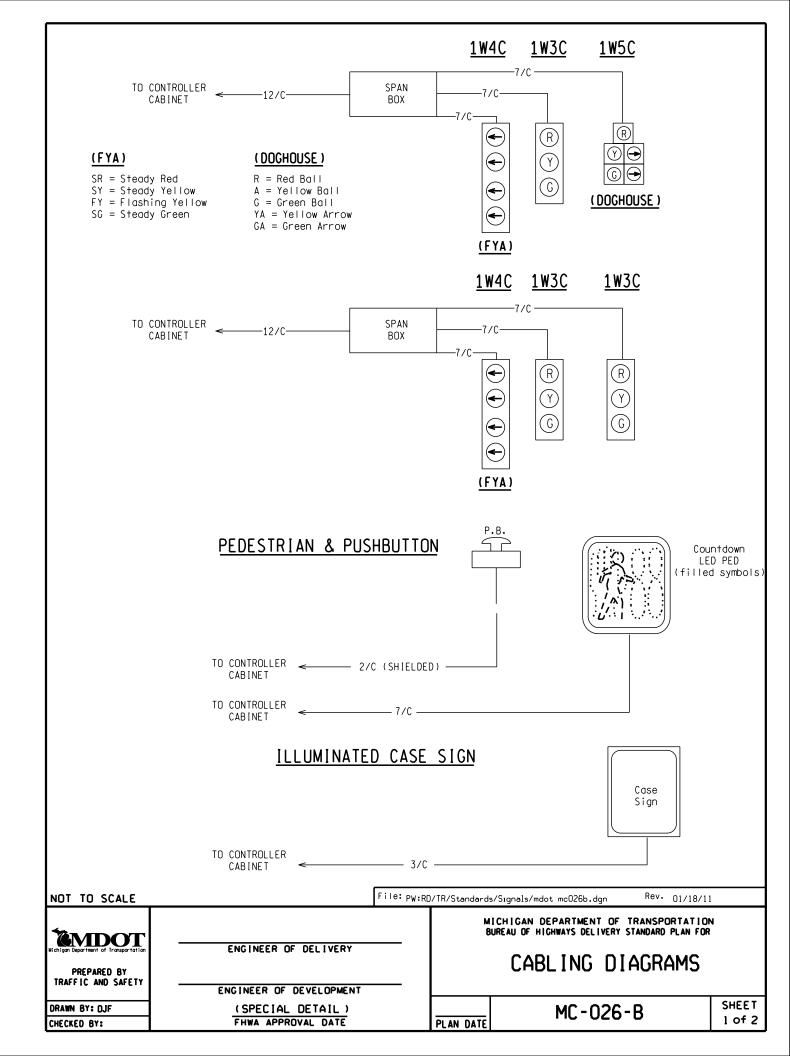
Ground wire from disconnect to ground rod to be in moulding (wood pole or post) or inside the pole (steel). Ground wire from disconnect to controller cabinet to be in conduit (wood pole, wood post, and steel pole).

CONTROLLER CABINET GROUNDING DETAIL

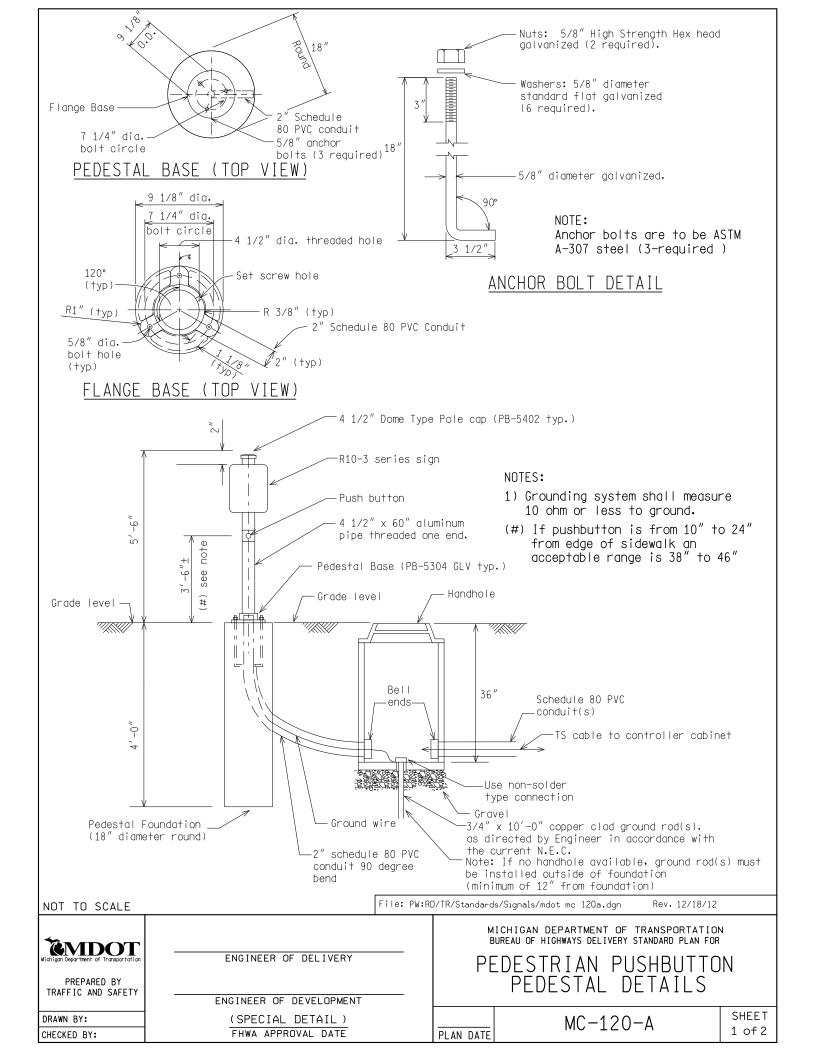
NOT TO SCALE

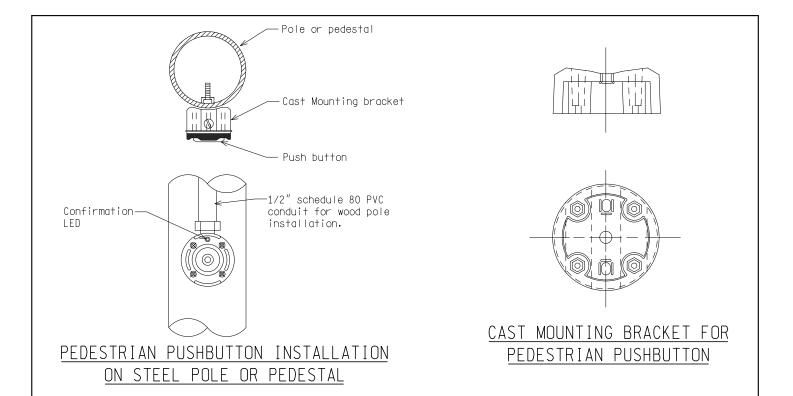


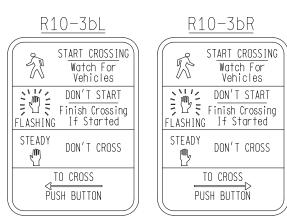




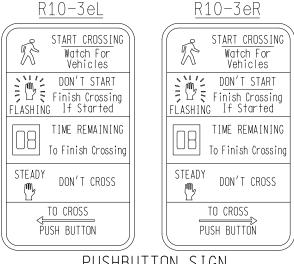
ILLUMINATED STREET NAME SIGN TO CONTROLLER — 3/C — CABINET NORTHAMPTON SERVICE DISCONNECT (NEMA 4X STAINLESS STEEL FUSED AT 60A) TO CONTROLLER CABINET 60A YAGI ANTENNA VIDEO DETECTION CAMERA & 5.8Hz BROADBAND ANTENNA Antenna Video _____ CAT 5_ TO CONTROLLER CABINET ------ VIDEO/POWER -DUAL 5.8GHz BROADBAND ANTENNA TO CONTROLLER _____ CAT 5 ___ CABINET CCTV CAMERA TO CONTROLLER —— coнu — CABINET NOT TO SCALE MICHIGAN DEPARTMENT OF TRANSPORTATION (SPECIAL DETAIL) BUREAU OF HIGHWAYS DELIVERY STANDARD PLAN SHEET FHWA APPROVAL DATE MC-026-B 2 of 2 Rev. 01/18/11 File: PW:RD/TR/Standards/Signals/mdot sig026a.dgn PLAN DATE







PUSHBUTTON SIGN



NOT TO SCALE

MICHIGAN DEPARTMENT OF TRANSPORTATION (SPECIAL DETAIL)

BUREAU OF HIGHWAYS DELIVERY STANDARD PLAN
File: PW:RD/TR/Standards/Signals/mdot mc 120a.dgn

(SPECIAL DETAIL)
FHWA APPROVAL DATE
Rev. 12/18/12

PLAN DATE

MC-120-A

SHEET 2 of 2