

NOTES:

- ALL 3/C AND 1P CABLES IN THE SIGNAL POLE SHALL BE COLOR CODED BY PHASE (SEE "TABLE B" ON THIS SHEET).
- ALL 7/C AND 5/C CABLES IN THE SIGNAL POLE SHALL BE MARKED WITH THE PHASE COLOR FOR THE OUTERMOST HEAD PLUS ONE BLACK WRAP FOR EACH ADDITIONAL HEAD OF THE PHASE PROCEEDING TOWARD THE POLE.

12/C CABLE DESIGNATIONS SIGNAL CABLE, MSA #14 10-1		
	12/C CABLE SPliced WITH/THRU AND 3-SECTION LEFT HEADS	12/C CABLE SPliced WITH 4-SECTION HEADS (FYA)
RED	THRU RED LIGHT	
ORANGE	THRU AMBER LIGHT	
GREEN	THRU GREEN LIGHT	
BLACK	SPARE	
WHITE	COMMON	
BLUE	SPARE	
RED/TRACER	LEFT RED LIGHT	LEFT RED LIGHT
ORANGE/TRACER	LEFT AMBER LIGHT	LEFT AMBER LIGHT
GREEN/TRACER	LEFT GREEN LIGHT	LEFT GREEN LIGHT
BLACK/TRACER	SPARE	LEFT AMBER ARROW (FYA)
WHITE/TRACER	COMMON	COMMON
BLUE/TRACER	SPARE	SPARE
PEDESTRIAN CABLE		PED HYBRID BEACON (PHB)
RED	DON'T WALK (E-W)	RIGHT RED BALL
ORANGE	PPB CALL (E-W)	LEFT RED BALL
GREEN	PPB RETURN (E-W)	SPARE
BLACK	SPARE	YELLOW
WHITE	NEUTRAL	NEUTRAL
BLUE	WALK (E-W)	SPARE
RED/TRACER	DON'T WALK (N-S)	DON'T WALK
ORANGE/TRACER	PPB CALL (N-S)	PPB CALL
GREEN/TRACER	PPB RETURN (N-S)	PUSH BUTTON RETURN
BLACK/TRACER	SPARE	SPARE
WHITE/TRACER	NEUTRAL	NEUTRAL
BLUE/TRACER	WALK (N-S)	WALK

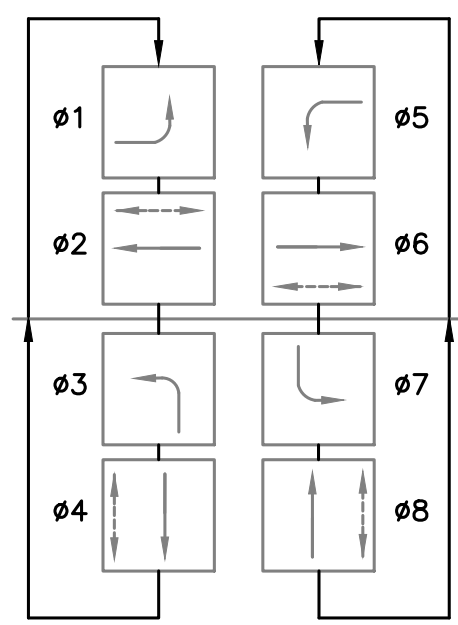
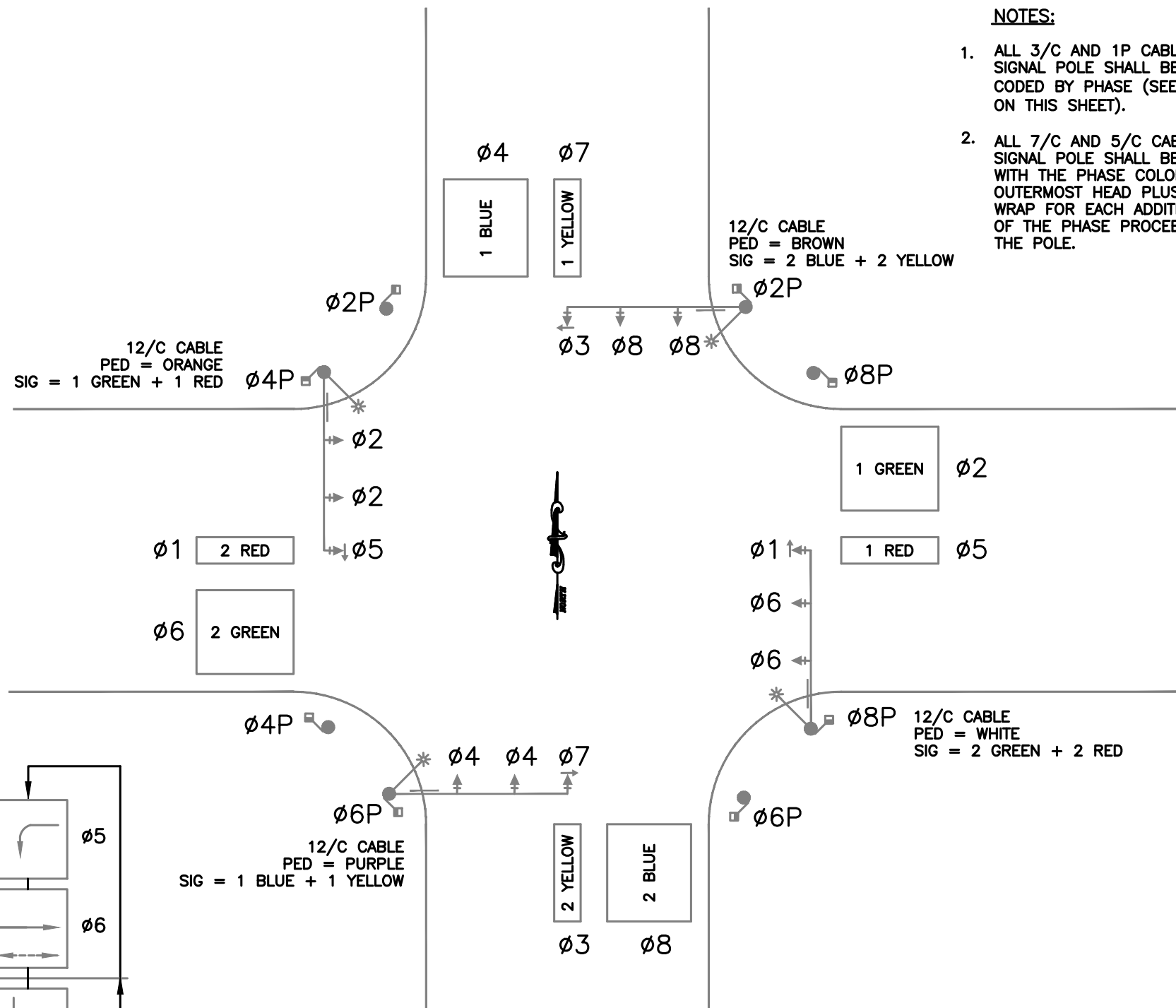
5/C CABLE DESIGNATIONS THRU OR LEFT VEHICLE HEAD MSA #14 10-1	
RED	RED LIGHT
ORANGE	AMBER LIGHT
GREEN	GREEN LIGHT
BLACK	SPARE
WHITE	COMMON

5/C CABLE DESIGNATIONS PROTECTIVE/PERMISSIVE FYA MSA #14 10-1	
RED	LEFT RED LIGHT
ORANGE	LEFT AMBER LIGHT
GREEN	LEFT GREEN LIGHT
BLACK	LEFT AMBER LIGHT (FYA)
WHITE	COMMON

5/C CABLE DESIGNATIONS PHB SIGNAL HEADS MSA #14 10-1	
RED	RIGHT RED BALL
ORANGE	LEFT RED BALL
GREEN	SPARE
BLACK	YELLOW
WHITE	NEUTRAL

7/C CABLE DESIGNATIONS BIMODAL SIGNAL HEADS MSA #14 10-1	
RED	RED BALL
ORANGE	YELLOW BALL
GREEN	GREEN BALL
BLACK	BIMODAL AMBER ARROW
BLUE	BIMODAL GREEN ARROW
WHITE/TRACER	BIMODAL NEUTRAL
WHITE	THROUGH NEUTRAL

5/C CABLE DESIGNATIONS PED SIGNAL HEAD + PUSH BUTTON MSA #14 10-1	
RED	DON'T WALK
ORANGE	PPB CALL
GREEN	PPB RETURN
BLACK	WALK
WHITE	NEUTRAL



TYPICAL PHASING DIAGRAM

Phase No.	Color
1	2 RED
2	GREEN
3	2 YELLOW
4	BLUE
5	RED
6	2 GREEN
7	YELLOW
8	2 BLUE

TABLE A
VIDEO DETECTION LEAD-IN
COLOR CHART

Phase No.	Color
1	RED
2	GREEN
3	YELLOW
4	BLUE
5	RED
6	GREEN
7	YELLOW
8	BLUE

TABLE B
SIGNAL CABLE
COLOR CHART

Phase No.	Preemption Channel No.
2	3
4	2
6	4
8	1

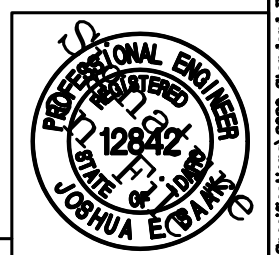
TABLE C
PREEMPTION
CHANNELS

NO.	DATE	BY	DESCRIPTION
• REVISIONS •			



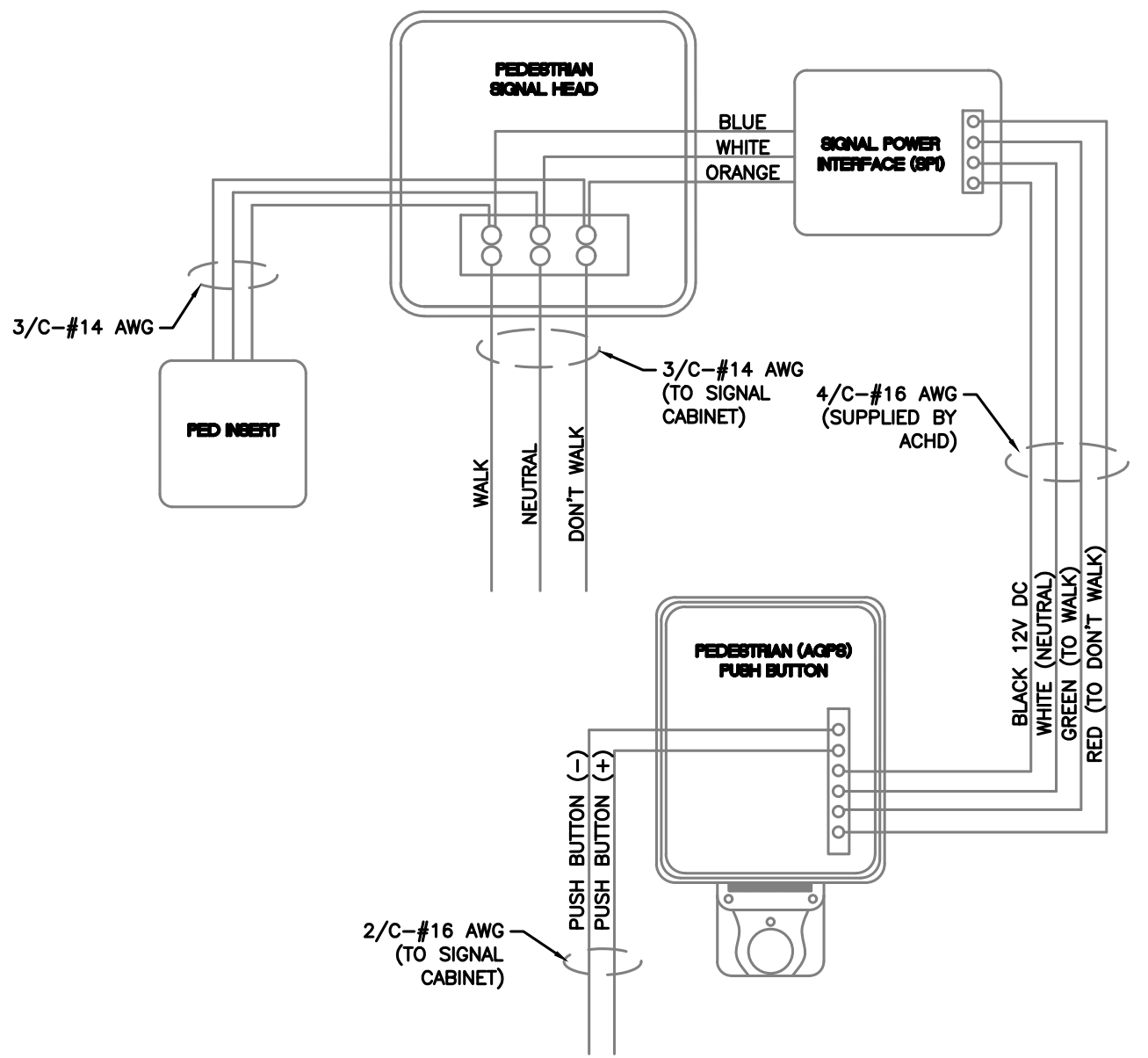
• SIGNATURES •	
Scale: NTS	Drawn By: Joshua Saak
Date: 12/16/2011	Design By: Joshua Saak
File: TS-1103.01.DWG	Approved By: Greg Fullerton

• SHEET TITLE •	
Standard Cable Color Designation Detail	



• STANDARD DETAIL NO. •	
TS-1103.01	

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ADVISOR GUIDE PEDESTRIAN STATION (AGPS) WIRING DIAGRAM

RRFB CABLE NOTES:

1. RED "DON'T WALK" FOR TYPICAL INSTALLATIONS WILL NOT BE USED.
2. SPLICE CONDUCTORS AT THE POLE BOTTOM. 4C CABLE WILL SPLICE TO 12C CABLE AND TERMINATE IN APS PUSH BUTTON. RRFB FACTORY ENDS WILL TERMINATE TO THE 12C CABLE.

12/C CABLE DESIGNATIONS RECTANGULAR RAPID FLASHING BEACON MBA #14 10-1	
RED	DON'T WALK (PUSH BUTTON)
ORANGE	SPARE
GREEN	WALK (PUSH BUTTON)
BLACK	12V POSITIVE (PUSH BUTTON)
WHITE	12V NEGATIVE (PUSH BUTTON)
BLUE	SPARE
RED/TRACER	LED 1+ (RRFB)
ORANGE/TRACER	PUSH BUTTON +
GREEN/TRACER	PUSH BUTTON -
BLACK/TRACER	LED 1- (RRFB)
WHITE/TRACER	LED 2- (RRFB)
BLUE/TRACER	LED 2+ (RRFB)

4/C CABLE DESIGNATIONS AGPS PED PUSH BUTTON MBA #16 50-2	
BLACK	12V POSITIVE
WHITE	12V NEGATIVE
GREEN	"WALK"
RED	"DON'T WALK"

3/C CABLE DESIGNATIONS PEDESTRIAN SIGNAL HEAD MBA #14 10-1	
RED	"DON'T WALK"
BLACK	"WALK"
WHITE	NEUTRAL

2/C CABLE DESIGNATIONS PEDESTRIAN PUSH BUTTON MBA #16 50-2	
BLACK	PPB (CALL)
CLEAR	PPB (RETURN)

NOTES:

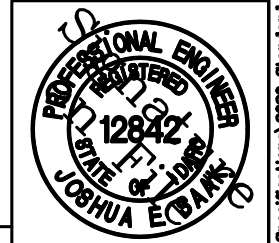
1. ALL SIGNAL POWER INTERFACE (SPI) LEADS BECOME HOT WHEN 120V/AC IS CONNECTED. DISCONNECT POWER TO THE PEDESTRIAN SIGNAL HEAD PRIOR TO SPI INSTALLATION.

NO.	DATE	BY	DESCRIPTION
• REVISIONS •			



• SIGNATURES •	
Scale: NTS	Drawn By: Joshua Saak
Date: 12/3/2021	Design By: Joshua Saak
File: TS-1103.02.DWG	Approved By: Greg Fullerton

• SHEET TITLE •	
Advisor Guide Pedestrian Station (AGPS) - Wiring Details	



• STANDARD DETAIL NO. •	
TS-1103.02	