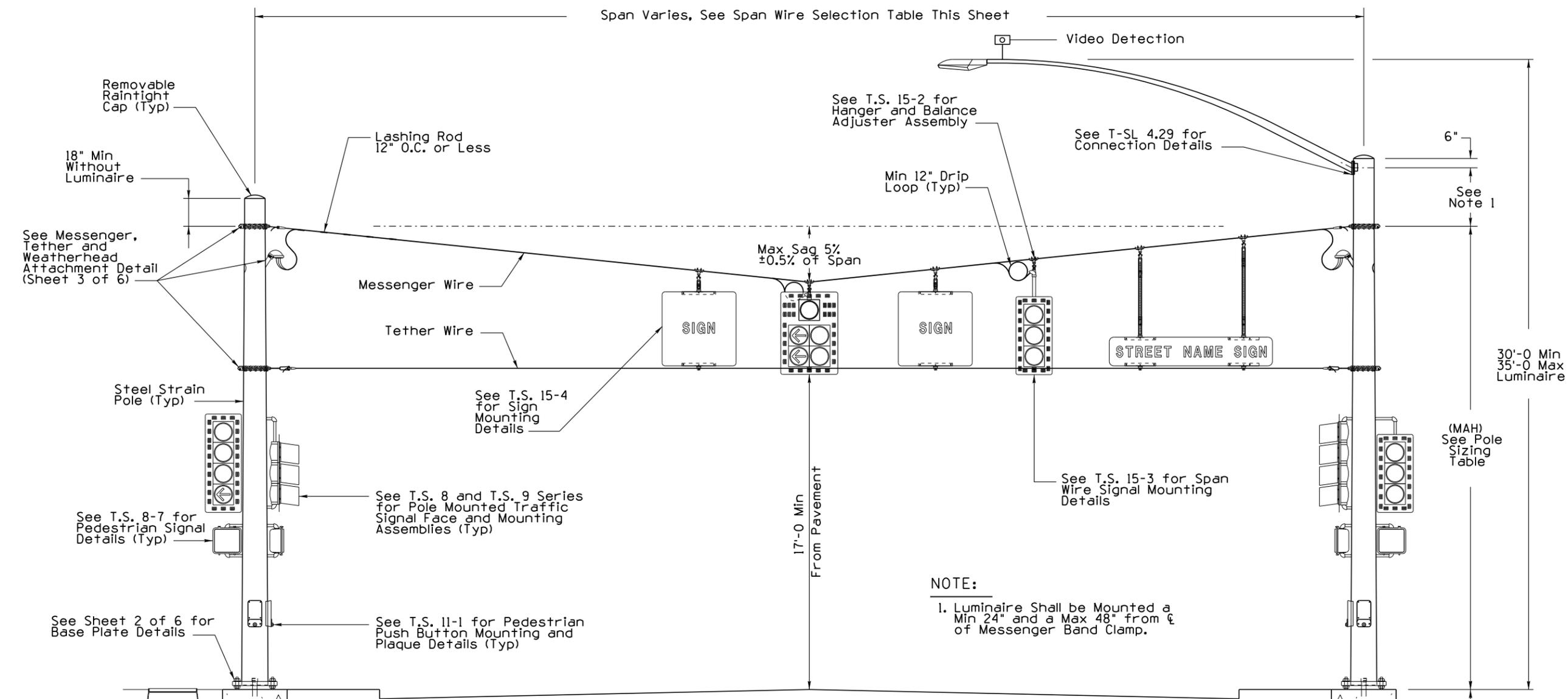


Note to Designer: The information presented in this Standard Drawing has been prepared in accordance with recognized engineering principles and is for general use. It should not be used for specific application without competent professional examination and verification of its suitability and applicability by a licensed professional engineer. Comments within the inner border line shall not be altered.

PRIOR DISTRIBUTION DATE 01/12

The use of this standard drawing on projects on the National Highway System (NHS) is not allowed, as this structure was not designed using the 2013 AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, 6th Edition, (2013) (LTS-6). For use on the NHS, manufacturers shall design the structure per the requirements of LTS-6.



**NOTE:**  
 1. Luminaire Shall be Mounted a Min 24" and a Max 48" from  $\phi$  of Messenger Band Clamp.

SPAN WIRE SELECTION TABLE		
SPAN LENGTH (FT)	WIRE SIZE (INCH)	WIRE GRADE
0-60	7/16	High-Strength
61-100	9/16	High-Strength
101-140	5/8	High-Strength
141-180	5/8	High-Strength
Tether	1/4	Utility Grade 7 Wire

MAXIMUM NUMBER OF SIGNALS		
SPAN LENGTH (FT)	SIGNAL TYPE	
	F/R HEAD *	Q-2 HEAD **
0-60	2	1
61-100	2	2
101-140	4	2
141-180	4	1

\* As Served by a 4 Conductor IMSA Cable  
 \*\* As Served by a 7 Conductor IMSA Cable

POLE SIZING TABLE						
SPAN LENGTH (FT)	MESSENGER WIRE ATTACHMENT HEIGHT (MAH)					
	26	28	30	32	34	36
0-60	PS1	PS1	PS2	PS2	PS2	PS2
61-100	PS3	PS3	PS3	PS4	PS4	PS4
101-140	PS4	PS5	PS5	PS5	PS6	PS6
141-180	PS5	PS5	PS6	PS6	PS6	PS6

Foundation Varies See Sheet 2 of 6

STEEL POLE SPAN WIRE SIGNAL

STANDARDS ENGINEER  
**A. ALZUBI**  
 RECOMMENDED FOR APPROVAL  
 GROUP MANAGER  
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 APPROVED  
 STANDARDS COMMITTEE APPROVED FOR DISTRIBUTION 04/19 DATE

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 INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION  
 TRAFFIC SIGNAL & LIGHTING  
 STANDARD DRAWING  
 SPAN WIRE SIGNALS AND LIGHTING  
 STEEL POLE TYPICAL DETAILS  
 DRAWING NO.  
**T.S. 15-1**  
 (1 OF 6)