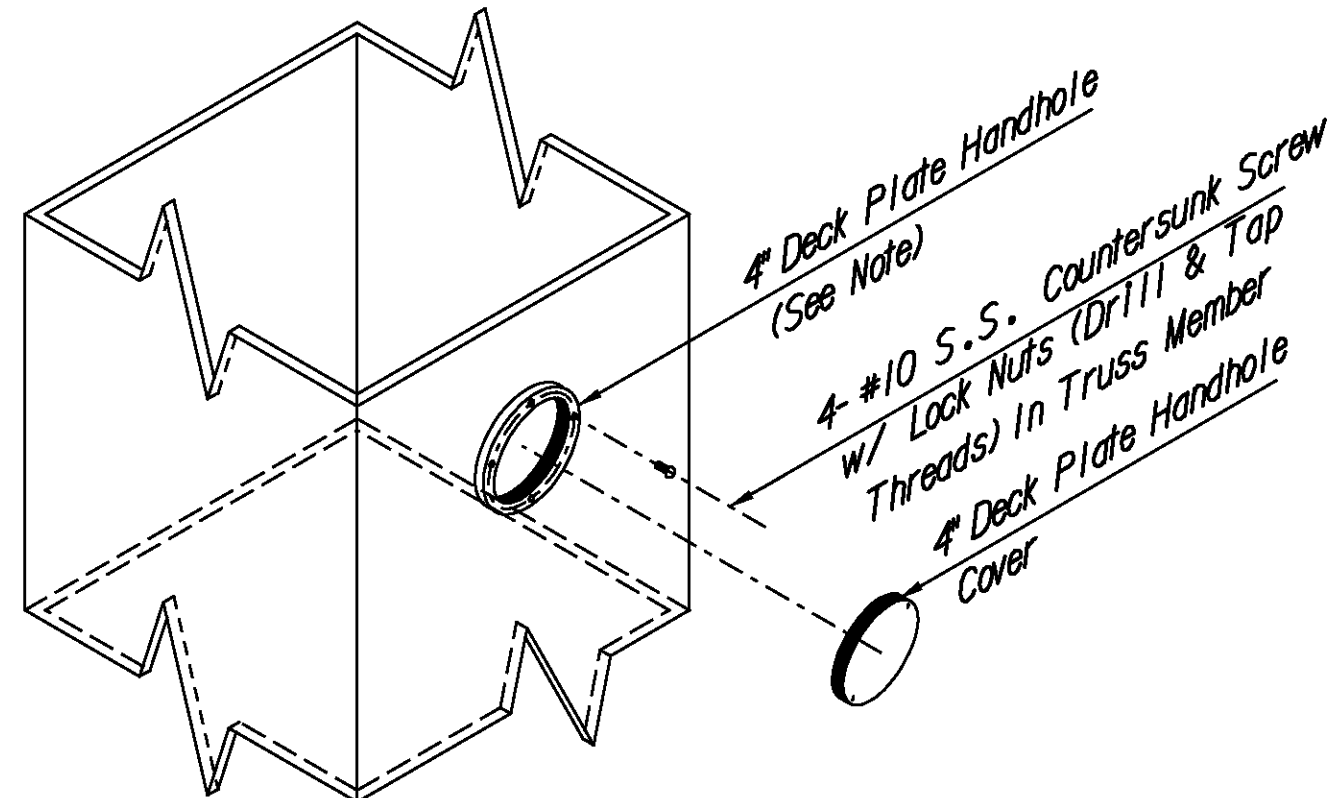
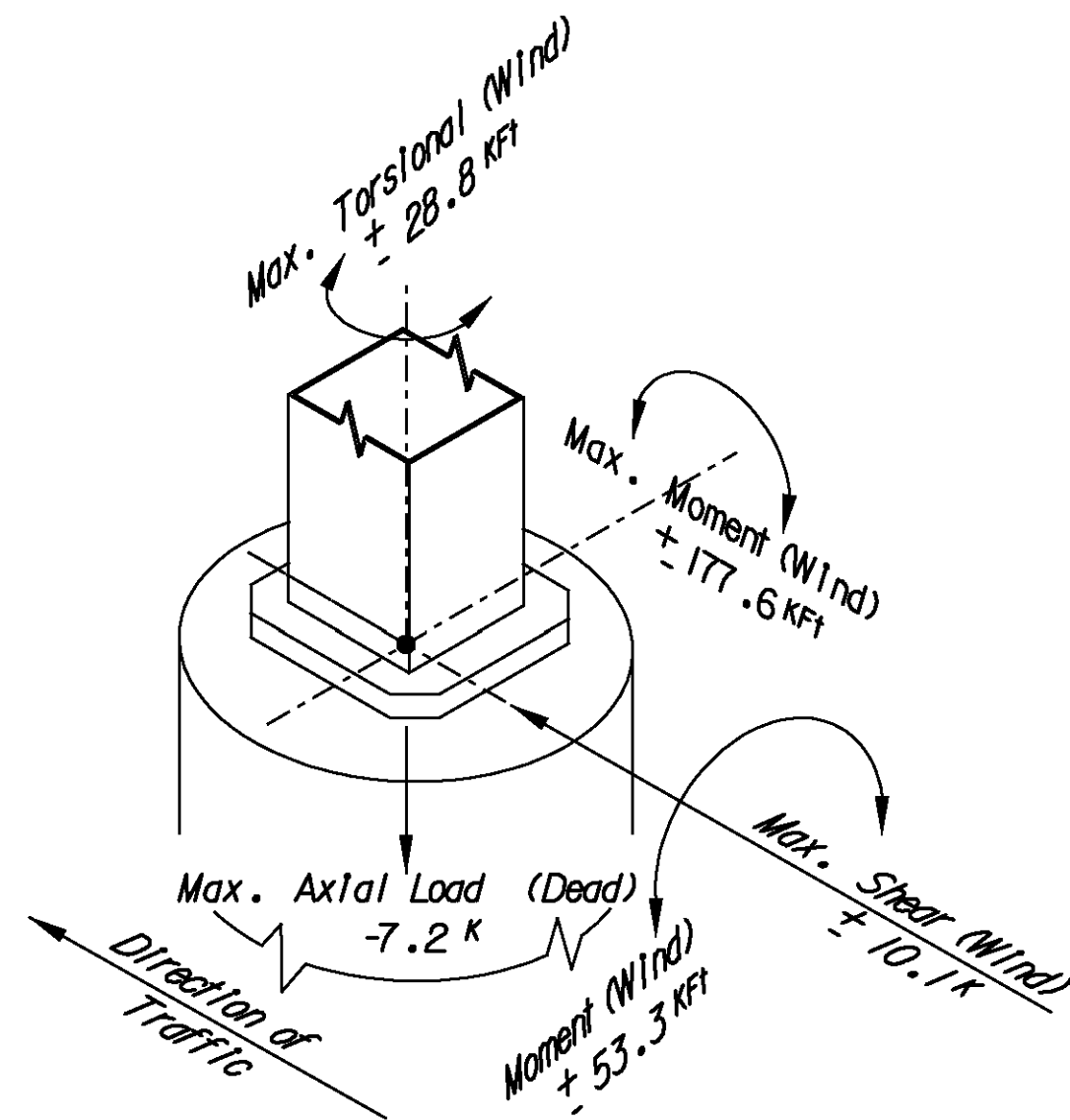


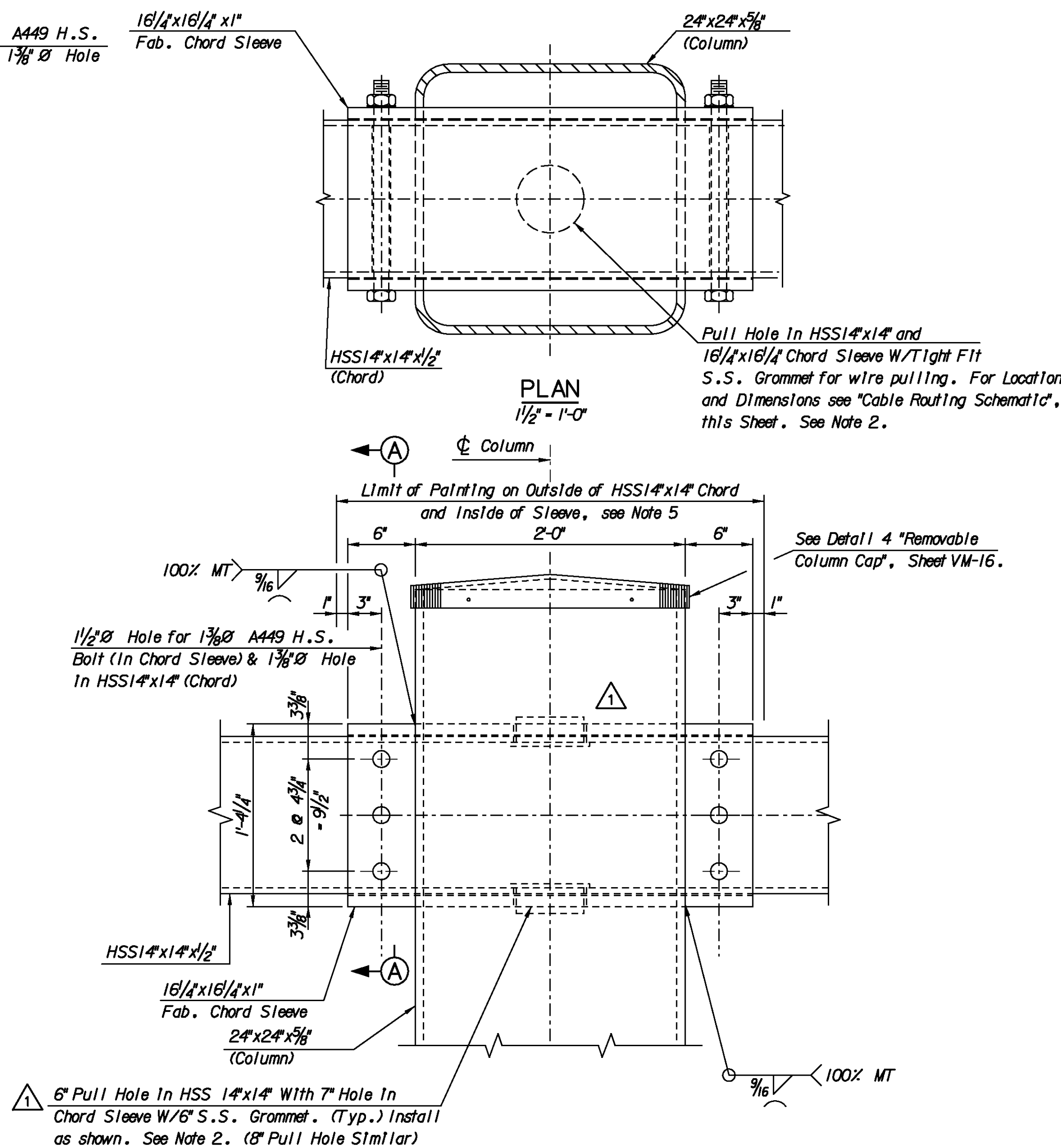
**SECTION A-A**  
3'-1'-0"



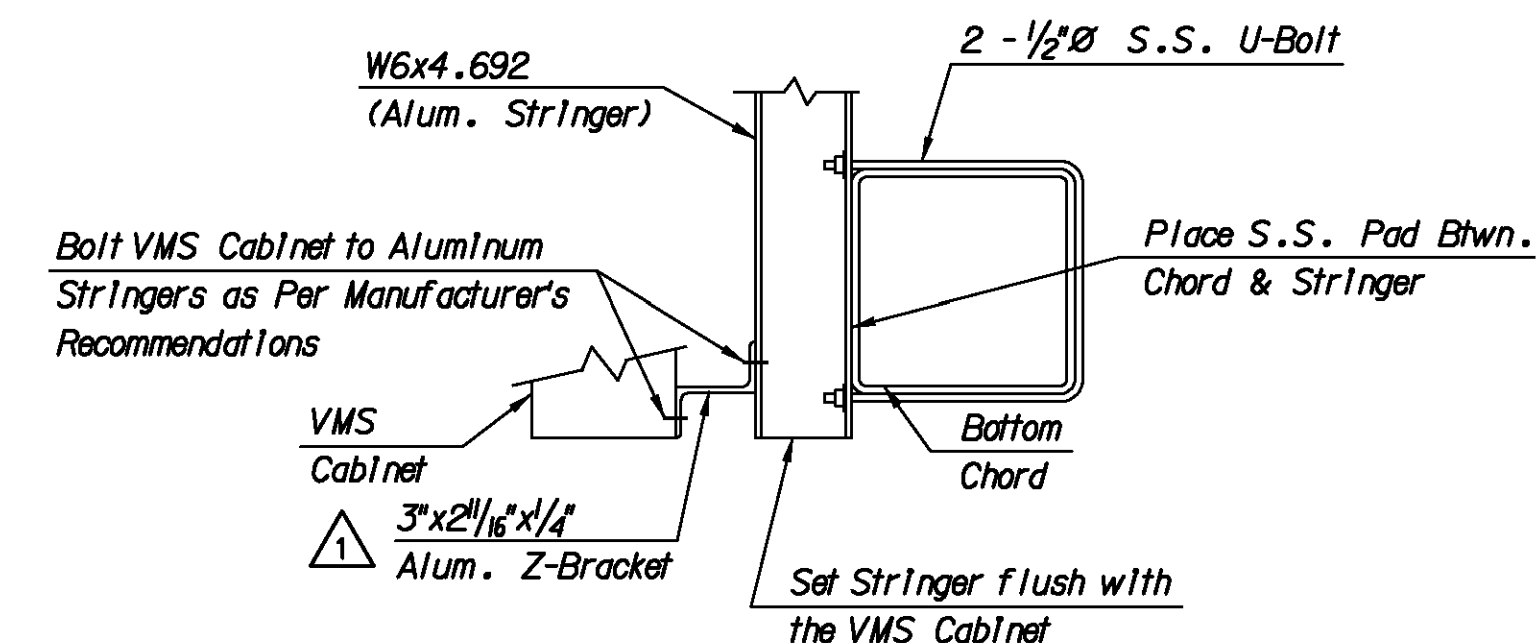
**TYPICAL DECK PLATE DETAIL**  
(For location see "Cable Routing Schematic", this Sheet)  
N.T.S.



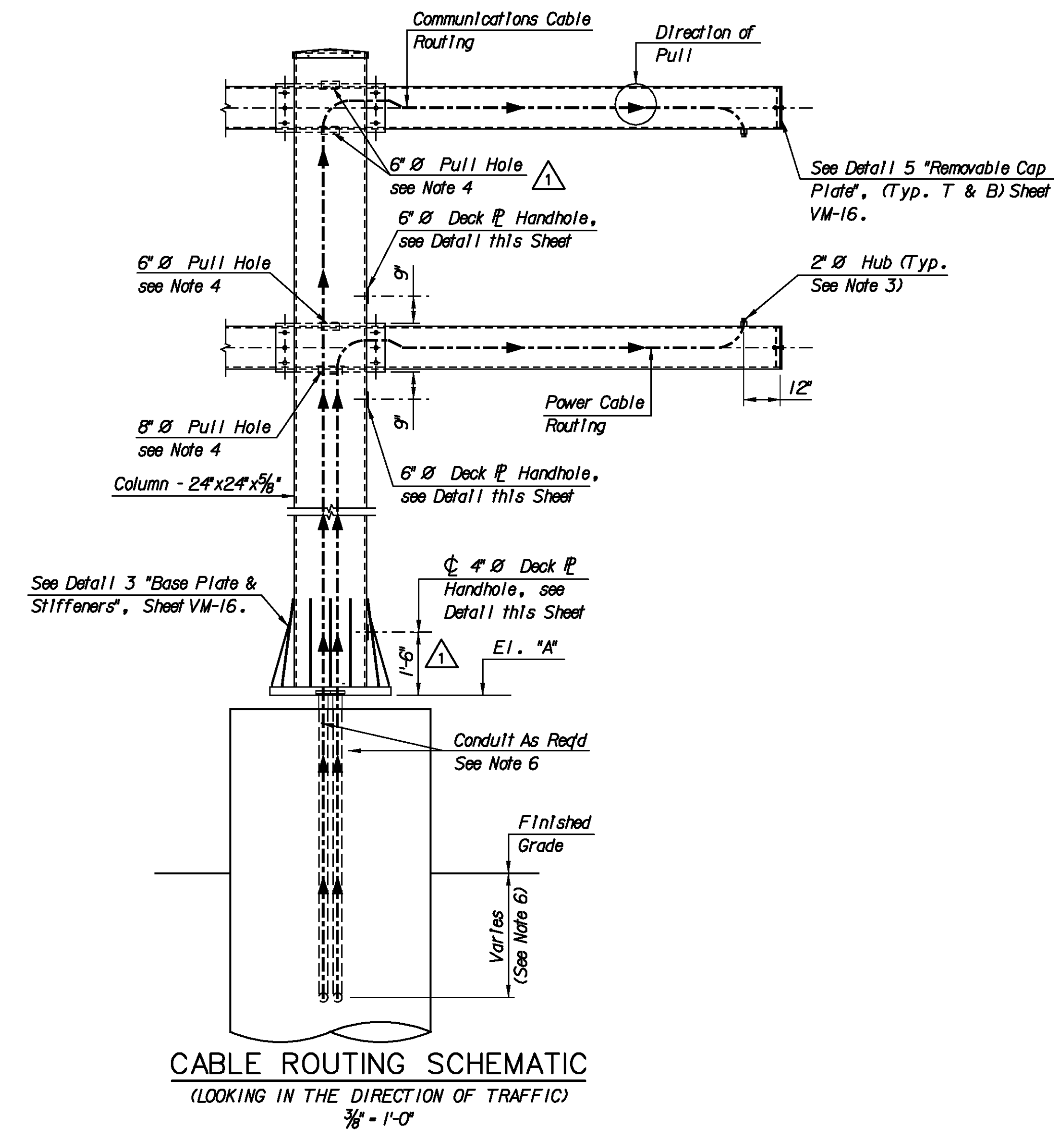
**FOUNDATION LOADING DIAGRAM**  
(All Loads Unfactored)  
N.T.S.



**ELEVATION**  
**DETAIL 1**  
**COLUMN SLEEVE CONNECTION DETAIL**  
(Top Chord Shown, Bottom Chord Similar)  
1 1/2'-1'-0"



**DETAIL 2**  
**VMS ATTACHMENT**  
(Bottom Chord Shown, Top Chord Similar)  
N.T.S.

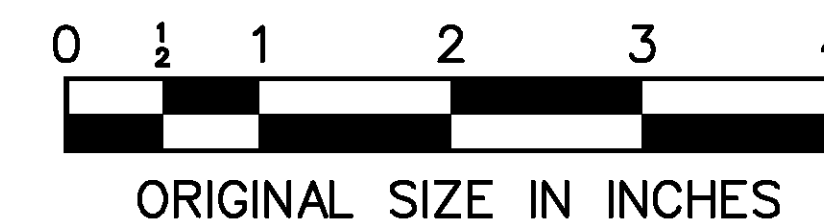


**CABLE ROUTING SCHEMATIC**  
(LOOKING IN THE DIRECTION OF TRAFFIC)  
3/8'-1'-0"

- NOTE:**
- Chord Sleeve-to-Column welds and all welds of Fabricated Tube Sections shall be 100% tested. All other welds shall be 10% UT.
  - Stainless Steel Grommets shall be McMaster-Carr Item No. 4911K12 and 4911K15, as appropriate or approved equal.
  - 2" Dia. hubs shall be McMaster-Carr Item No. 7513K86 or approved equal.
  - Grommets in the chord sleeves shall be placed from inside the chord after structure assembly, and attached with an approved construction adhesive.
  - Painting of column & chord sleeve shall be in accordance with the NJTA Standard Specifications, Section 411, using Coating System C. Paint color shall conform to Subsection 411.06 (G).
  - See ITS Drawings for size, type and number of conduits in structure foundation.

**LOADING AND DESIGN NOTES:**

- These dedicated Sign Structure Standards are intended for the sole purpose of supporting the Variable Message Sign (VMS). No additional sign area or appurtenances may be used in conjunction with these Standard Drawings without the express written consent of the Authority.
- Wind forces on the Variable Message Sign have been determined using a Drag Coefficient (Cd) of 1.2.
- See Design Manual Exhibits 2-405 through 2-411 for required pedestal offset and protection.
- DESIGN CRITERIA:**  
Design Wind Speed: 110 MPH  
Design Ice Load: 3 PSF  
Design VMS Weight: 2,100 LBS.



APP. NO.	DATE	REVISION
1	3/11	REVISED DETAILS
0	6/09	ORIGINAL DRAWING

CONTRACT NO.

NEW JERSEY TURNPIKE AUTHORITY	
<b>NEW JERSEY TURNPIKE</b>	
BUTTERFLY VMS SUPPORT STRUCTURE	
<b>WIRE ROUTING AND TRUSS DETAILS</b>	
OFFICE OF THE CHIEF ENGINEER NEW JERSEY TURNPIKE AUTHORITY	2009 STANDARD DRAWING VM-15
WOODBIDGE NEW JERSEY	

SHEET NO. OF