NOTES

1. Vertical and horizontal clearance requirements shall be as shown on the Contract Plans.

2. No post splice permitted in lower third of height, nor closer than 5' - 0' to bottom chord, except as otherwise noted. No chord shop splice permitted in first two-thirds of the span, except as otherwise noted. A maximum of two splices are permitted in the post. For post or chord shop splice details, see Standard Plan G-70.10.

3. The back-up plates or rings for full penetration welds shall be welded continuously to the joined plates. This can be done by either a continuous fillet weld on the back side of the piece, or by a continuous weld in the root of the full penetration weld.

4. At bolt holes shall be drilled, and the diameter shall be 1/16" (0.062"") larger than the nominal bolt diameter, except as noted.

5. The design and analysis of the structure has been done in accordance with AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals Dated 2001, using 50 MPH wind velocity and fatigue category - I.

6. Adjust post alignment in plans normal to roadway centerline by means of leveling nuts located below base plate to maintain upward slope in cantilever arm(s). Tighten anchor nuts above base plate in accordance with Standard Specification Section 6-03-33.

7. Variable Message Signs (VMS) exceeding 700 lbs. and/or 200 sq. ft. shall not be installed on cantilever structure.

For electrical requirements, see Standard Plan J-75.45.
HEMISPHERICAL POST FINAL
1/8" (IN) MIN. THICKNESS, INSTALL AFTER GALVANIZING

DRILL AND TAP
WALL FOR 3/8" (IN)
9/32 ALLEN SET SCREW

SECTION THROUGH
FINIAL AND POST
BEND FOR SNUG FIT

FINAL BRACKET
1/8" (IN) PLATE MIN,
5/16" (IN) x 1 1/2" (IN) SLOT FOR
3/8" (IN) 9/32 ALLEN SET SCREW

PIPE Q.D.
PIPE Q.D.
BACKUP RING

100% MT

1/8" (IN) PLATE
10" (IN) x 10" (IN)

1/4" (IN) M4 MAX.
1/4" (IN) PRE-WELD

3/16" (IN) x 10" (IN)

BASE - SIDE
100% MT
SHEET WELD DETAIL "D"

3/4" (IN) DIAM. HOLE IN
CHORD AT EACH END
OF ALL DIAGONAL,
CHORDS AND STRUTS

2 1/2" (IN) DIAM. PIPE, (R = 2.030), (SEE CHORD SELECTION TABLE)

ISOMETRIC

TOP
DIAGONAL CONNECTION DETAIL
TYPICAL OF ALL DIAGONALS

BASE - TOP
TYPICAL TRUSS DETAILS
(ENDS OF DIAGONALS SHALL BE CUT TO FIT
NEATLY AGAINST CHORDS)

7/8" (IN) DIAM. BOLTS x 2 1/2" (IN) LONG –
STANDARD SPEC. SECTION 9.08.5 (a)
ASTM F1559, GRADE A299, HEAVY DUTY
NUT AND 2 TIM WASHERS (TYP) –
INSTALL BOLTS WITH HEAD TOWARD CHORD

2" x 1/2" (IN)
CHORD
1-4 1/2"
4 1/2"
CHORD
15/16" (IN) DIAM. BOLT CIRCLE
6" (IN) DIAM. BOLT CIRCLE

SYMMETRICAL
ABOUT POST
1/2" (IN) DIAM.
DRAIN HOLES (TYP.)
1/2" (IN) DIAM.
HOLE AS CLOSE TO WELD
AS POSSIBLE TO
FACILITATE
GALVANIZING

17/8" (IN) DIAM. BOLTS X 2 1/2" (IN) LONG –
STANDARD SPEC. SECTION 9.08.5 (a)
ASTM F1559, GRADE A299, HEAVY DUTY
NUT AND 2 TIM WASHERS (TYP) –
INSTALL BOLTS WITH HEAD TOWARD CHORD

ELEVATION
DETAIL "D"

ELEVATION
ROTATED 90° TO
SHOW CUTOUT
15/16" (IN) DIAM.
HOLE (TYP.)
HOLE HOLE IN
OPPOSITE FLANGE FOR
SINGLE CANTILEVER

SPAN END – SIDE
SPAN END – END
OPPOSITE END SHOWN
FOR CLARITY

AND DIAGONAL
CHORDS AND STRUTS

7/8" (IN) DIAM. BOLTS X 2 1/2" (IN) LONG –
STANDARD SPEC. SECTION 9.08.5 (a)
ASTM F1559, GRADE A299, HEAVY DUTY
NUT AND 2 TIM WASHERS (TYP) –
INSTALL BOLTS WITH HEAD TOWARD CHORD

CHORD

BASE- SIDE
100% MT
SHEET WELD DETAIL "D"

2 1/2" (IN) DIAM. PIPE, (R = 2.030), (SEE CHORD SELECTION TABLE)

ISOMETRIC

TOP
DIAGONAL CONNECTION DETAIL
TYPICAL OF ALL DIAGONALS

BASE - TOP
TYPICAL TRUSS DETAILS
(ENDS OF DIAGONALS SHALL BE CUT TO FIT
NEATLY AGAINST CHORDS)

7/8" (IN) DIAM. BOLTS x 2 1/2" (IN) LONG –
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NUT AND 2 TIM WASHERS (TYP) –
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