	XX - STRUCTURES - SIDE MOUNTED SIGN STRUCTURES INDEX OF DRAWINGS											
DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE	!								
SMS-1	SIDE MOUNTED SIGN STRUCTURE INDEX OF DRAWINGS											
SMS-2	SIDE MOUNTED SIGN STRUCTURE CLEARANCES AND REQUIREMENTS											
SMS-3	SIDE MOUNTED SIGN STRUCTURE FOUNDATION DETAILS											
SMS-4	SIDE MOUNTED SIGN STRUCTURE BRACKET DETAILS			-								
SMS-5	SIDE MOUNTED SIGN STRUCTURE HINGE DETAILS AND GENERAL NOTES											
SMS-6	SIDE MOUNTED SIGN STRUCTURE POST SELECTION TABLE 1 (W ≤ 15 FT.)			-								
SMS-7	SIDE MOUNTED SIGN STRUCTURE POST SELECTION TABLE 2 (W > 15 FT.)			-								
SMS-8	SIDE MOUNTED SIGN STRUCTURE AS-BUILT INFORMATION TEMPLATE											

# **NOTE TO DESIGNERS:**

- 1 DESIGNERS SHOULD PERFORM THE BELOW LISTED EDITS ON THE PDF FOR SUBMISSION.
  - DOUBLE CLICK ON TEXT "XX" TO EDIT SUBSET NUMBER IN THE INDEX OF DRAWING BLOCK.
  - DOUBLE CLICK ON TEXT "INSERT" AND "XXXX-XXXX" TO EDIT THE PROJECT SPECIFIC INFORMATION IN THE TITLE BLOCK. RIGHT CLICK ON THE TEXT AND "APPLY TO PAGES" TO COPY THE TITLE BLOCK INFORMATION TO ALL DRAWINGS.
- **2 -** DESIGNERS SHOULD ADD PAGE LABELS, SHEET NUMBERS, WATERMARKS AND DIGITAL SIGNATURE FIELD TO THE PDF AND FLATTEN THIS DOCUMENT IN ACCORDANCE WITH THE LATEST VERSION OF CTDOT DIGITAL PROJECT DEVELOPMENT MANUAL.
- 3 DELETE THIS TEXT BOX BEFORE SUBMITTING.

SIGNATURE BLOCK TO BE USED FOR CONSULTANT DESIGN PROJECTS ONLY, DELETE THE STATE DESIGN SIGNATURE BLOCK BELOW. DELETE THIS TEXT BEFORE FLATTENING.

Consultant Digital
Signature Stamp

Add firm
name and
address here

SIGNATURE BLOCK TO BE USED FOR STATE DESIGN PROJECTS ONLY, DELETE THE CONSULTANT SIGNATURE BLOCK ABOVE. DELETE THIS TEXT BEFORE FLATTENING.

THE DESIGN APPEARS TO CONFORM TO APPLICABLE CRITERIA. APPROVAL IS
NOT TO BE CONSTRUED TO MEAN THAT ALL ASPECTS OF THE DESIGN HAVE
BEEN PERSONALLY CHECKED BY THE UNDERSIGNED.

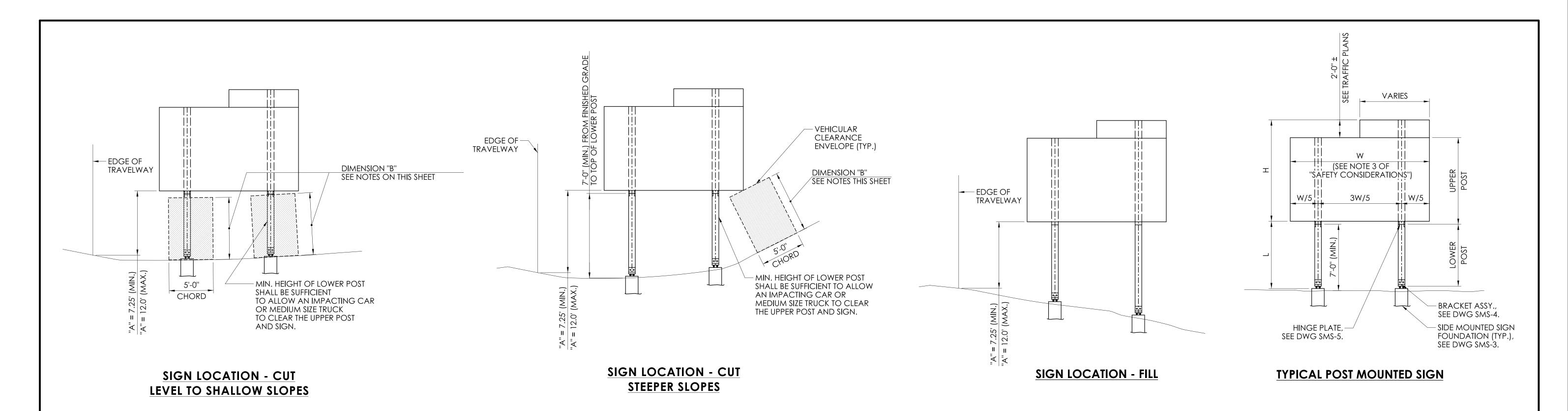
TRANSPORTATION PRINCIPAL ENGINEER

SIGNATURE/ BLOCK:





SMS-1



### NOTES FOR DETERMINING DIMENSION "B"

- DIMENSION "B" IS THE SMALLER OF:
  - THE CLEAR DISTANCE BETWEEN THE BOTTOM OF SIGN AND
    - THE FINISHED GRADE.
    - THE CLEAR DISTANCE BETWEEN THE BOTTOM OF UPPER POST AND THE FINISHED GRADE.
- DIMENSION "B" SHALL TYPICALLY BE A MINIMUM OF 7'-0" TO CLEAR AN IMPACTING CAR OR MEDIUM SIZE TRUCK.
- WHEN DIMENSION "A" WOULD EXCEED 12'-0", CONSIDERATION MAY BE GIVEN TO REDUCING DIMENSION "B" IN ACCORDANCE WITH PROVISIONS OF NOTE 4.
- DIMENSION "B" MAY BE LESS THAN 7'-0":
  - IF THE POST IS OUT OF THE CLEAR ZONE.
  - IF THE POST IS WITHIN THE CLEAR ZONE BUT SHIELDED BY AN APPROPRIATE BARRIER SYSTEM.
  - C. IN NO CASE SHALL DIMENSION "B" BE LESS THAN 2'-6". WHERE CLEAR ZONE SHALL BE DEFINED BY THE HIGHWAY DESIGN ENGINEER.
- IF FIELD CONDITIONS EXCEED THESE REQUIREMENTS, CONTACT THE ENGINEER FOR DIRECTION.

#### NOTES ON TOTAL HEIGHT OF SIGN POSTS

- UPPER SIGN POSTS SHALL EXTEND TO THE TOP OF FULL WIDTH SIGN PANEL OR THE TOP OF CROWN, WHICHEVER IS HIGHER.
- FOR SIGN OR CROWN PANEL RETROFIT, THE EXISTING SIGN POSTS SHALL BE REPLACED WITH NEW POSTS OR EXTENDED WITH ADDITIONAL SECTIONS USING HINGE ASSEMBLIES. REFER TO TRAFFIC TYPICAL SHEETS "EXTRUDED SIGN PANEL - RETROFIT DETAIL".

SIGNATURE/

BLOCK:

SCALE AS NOTED

#### SAFETY CONSIDERATIONS

- THE HINGE BETWEEN THE UPPER AND LOWER POSTS SHALL BE AT LEAST 7 FT. ABOVE THE GROUND UNLESS ALLOWED IN NOTE 4.
- NO SUPPLEMENTARY SIGNS SHALL BE ATTACHED BELOW THE HINGES
- THE POST SPACING SHALL BE 3/5 W EXCEPT AS NOTED BELOW:

UNIT WEIGHT OF POST POST SPACING REQUIREMENTS

LESS THAN 18 PLF NO RESTRICTIONS ON POST SPACING \*\*

FROM 18 PLF TO 45 PLF PROVIDE AT LEAST 7 FT. CLEAR DISTANCE BETWEEN POSTS \*\*\*

EXCEEDS 45 PLF RELOCATE SIGN OUTSIDE OF CLEAR ZONE OR SHIELD SIGN FROM VEHICULAR IMPACT AS DIRECTED BY THE ENGINEER

- IF THE TOTAL COMBINED WEIGHT OF ONE LOWER POST AND TWO BRACKETS EXCEEDS 600 LBS OR THE COMBINED WEIGHT OF TWO POSTS AND FOUR BRACKETS LOCATED WITHIN A CLEAR DISTANCE OF 7 FT OF EACH OTHER EXCEEDS 600 LBS, THE SIGN SHALL BE RELOCATED OUTSIDE OF THE CLEAR ZONE OR SHALL BE PROPERLY SHIELDED FROM VEHICULAR IMPACT AS DIRECTED BY THE ENGINEER. SEE "TABLE 1 - BRACKET DATA" ON SMS-4 FOR BRACKET WEIGHT.
- IF THE REQUIRED CLEAR DISTANCE CANNOT BE ATTAINED, THE ENGINEER MAY DIRECT THAT THE SIGN BE RELOCATED OUTSIDE THE CLEAR ZONE OR THAT IT BE PROPERLY SHIELDED FROM VEHICULAR IMPACT.

#### SELECTING A POST SIZE,

### BRACKET NUMBER, AND HINGE TYPE

- DETERMINE THE REQUIRED SIGN DIMENSIONS AND POST HEIGHTS (SEE "TYPICAL POST MOUNTED SIGN" DETAIL, THIS SHEET).
  - = SIGN WIDTH (HORIZONTAL DIMENSION)
  - = SIGN HEIGHT (VERTICAL DIMENSION) (ADD CROWN HEIGHT WHEN APPLICABLE)
  - = POST HEIGHT (THE DISTANCE BETWEEN THE TOP OF THE FOUNDATION AND THE BOTTOM OF THE SIGN MEASURED AT THE TALLER POST)
- ENTER "POST SELECTION TABLE 1 AND 2" ON DWG SMS-6 AND SMS-7 WITH THE DESIRED VALUES OF W, H, AND L. ROUND UP TO THE NEAREST VALUES IN THE TABLE. READ THE CORRESPONDING POST SIZE AND BRACKET NUMBER. REFER TO DWG SMS-4 FOR BRACKET TYPE AND SMS-5 FOR TYPICAL HINGE REQUIREMENTS.

EXAMPLE: W = 8', L = 10', H = 14'ENTER "POST SELECTION TABLE 1" ON DWG SMS-6 SINCE TABLE 1 IS APPLICABLE FOR SIGN WIDTH ≤ 15'. LOCATE THE FOLLOWING CELL:

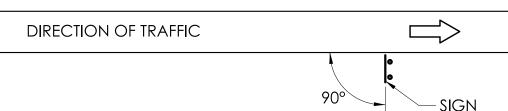


AFTER INSTALLATION COMPLETED, THE CONTRACTOR SHALL SUBMIT INFORMATION TABLES OF EACH CONSTRUCTED SIGN SUPPORT STRUCTURE USING THE TEMPLATE ON DWG SMS-8 TO THE ENGINEER.

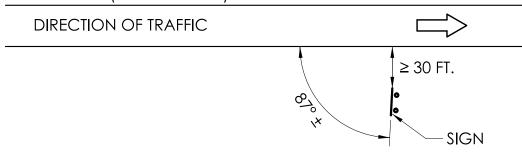
#### SIGN SUPPORT PLACEMENT

FOR MAXIMUM EFFECTIVENESS, POSITION SIDE MOUNTED SIGNS AS FOLLOWS:

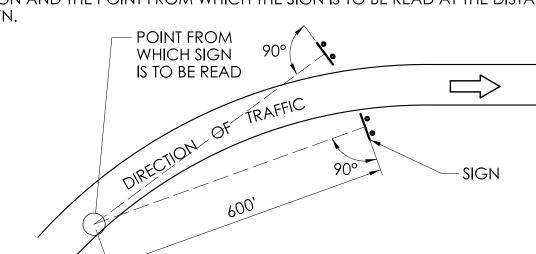
FOR SIGNS LOCATED LESS THAN 30 FT. FROM EDGE OF ROAD ON TANGENT SECTION, POSITION THE SIGN SUCH THAT THE VERTICAL AXIS IS PLUMB AND THE HORIZONTAL AXIS IS AT AN ANGLE OF 90° WITH THE TRAFFIC LANE THAT THE SIGN SERVES.

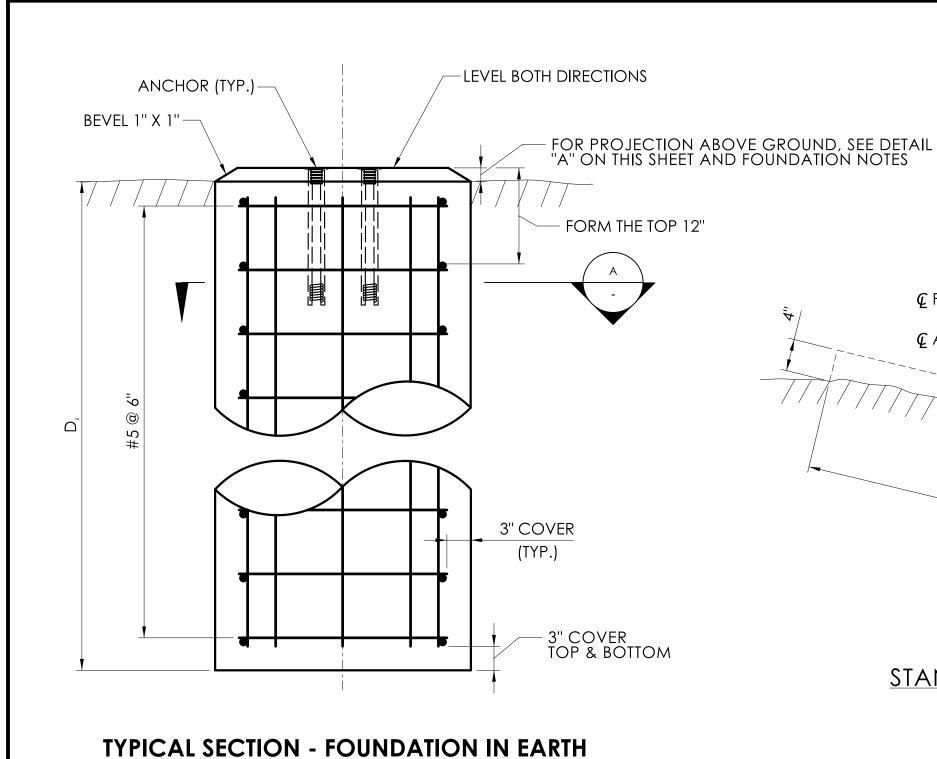


FOR SIGNS LOCATED 30 FT. OR MORE FROM EDGE OF ROAD ON TANGENT SECTION, THE VERTICAL AXIS SHALL BE PLUMB AND THE SIGNS SHALL BE TURNED APPROXIMATELY 3° TOWARD THE ROAD (SEE DIAGRAM).



WHERE THE SIGN IS POSITIONED ON THE OUTSIDE OR INSIDE OF THE HORIZONTAL CURVE, THE SIGN FACE SHOULD BE ORIENTED 90° TO THE STRAIGHT LINE BETWEEN THE SIGN AND THE POINT FROM WHICH THE SIGN IS TO BE READ AT THE DISTANCE SHOWN.





SCALE: 3/4"=1'-0"

**DETAIL A - PROJECTION OF FOUNDATION ABOVE GROUND** 

SCALE: 1"=1'-0"

- THE TOP OF FOUNDATION SHALL NOT PROJECT

ABOVE THE DASHED LINE WHEN THE LINE IS IN

ANY POSITION STRADDLING THE FOUNDATION

GROUND LINE (FINISHED GRADE) **Q** ANCHOR →

MODIFIED FOUNDATION TOP (SEE FOUNDATION NOTE 3)

FORM THE TOP OF FOUNDATION AS

4" (MAX.)

SHOWN

€ FOUNDATION—

€ ANCHOR --

### **FOUNDATION NOTES**

- DETAIL A ILLUSTRATES THE METHOD USED TO MEASURE THE PROJECTION OF THE FOUNDATION ABOVE FINISHED GRADE. IT IS IMPORTANT THAT THE TOP OF THE FOUNDATION BE PLACED IN ACCORDANCE WITH THIS DETAIL.
- THE TOP OF FOUNDATION SHALL BE CONSTRUCTED AS CLOSE TO THE FINISHED GRADE AS POSSIBLE, BUT SHOULD NOT BE COVERED BY SOIL.
- USE A MODIFIED TOP WHERE PROJECTION LIMITS CANNOT BE MET WITH THE STANDARD TOP.
- FOUNDATIONS SHALL BE PLACED AGAINST UNDISTURBED SOIL.

 $\boldsymbol{\varrho}$  ANCHOR -

5'-0" CHORD

STANDARD FOUNDATION TOP

€ FOUNDATION—

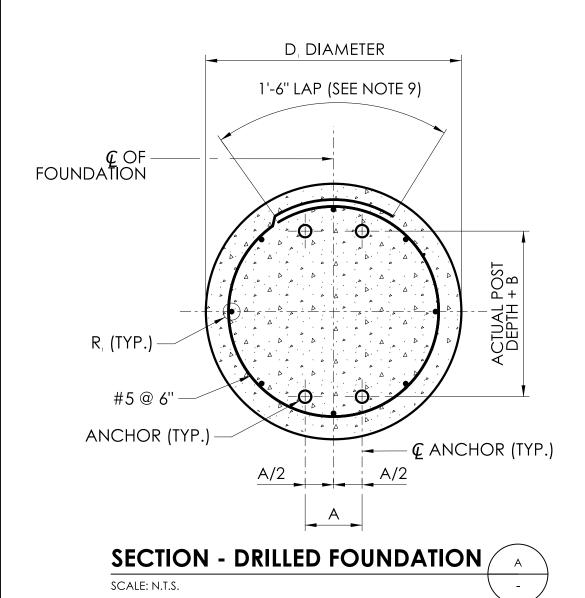
← ANCHOR — →

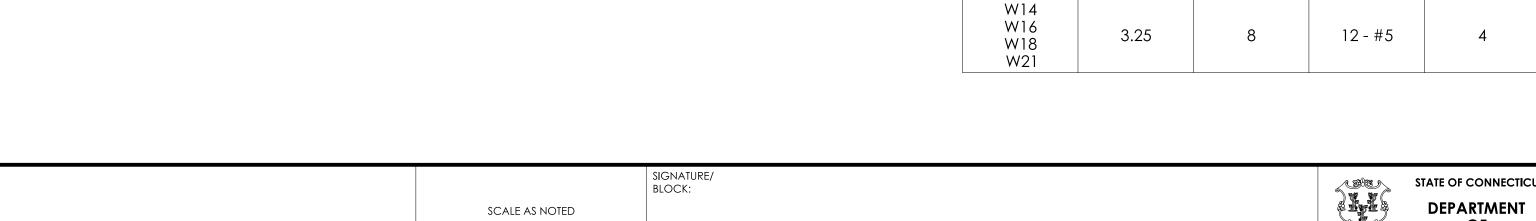
- 5. IF UNSUITABLE SOIL IS ENCOUNTERED DURING EXCAVATION, THE ENGINEER SHALL BE NOTIFIED. AN ALTERNATE FOUNDATION DESIGN MAY BE SUPPLIED BY THE ENGINEER, OR THE SIGN MAY BE RELOCATED.
- 6. IF ROCK IS ENCOUNTERED DURING EXCAVATION FOR SIDE MOUNTED SIGN FOUNDATIONS, THE CONTRACTOR SHALL CREATE A ROCK SOCKET TO THE DEPTH REQUIRED TO ACHIEVE THE OVERALL FOUNDATION DEPTH SPECIFIED ON THIS SHEET FOR FOUNDATIONS CONSTRUCTED IN EARTH, OR RELOCATE THE SIGN AS DIRECTED BY
- 7. PLACEMENT OF FOUNDATIONS SHALL BE IN ACCORDANCE WITH "SIGN SUPPORT PLACEMENT" ON DWG SMS-2.
- WHERE FOUNDATIONS ARE PLACED ON SLOPES STEEPER THAN 1V: 6H, GRADE AROUND THE FOUNDATIONS IN CONFORMANCE WITH DETAIL A.
- 9. LAP SPLICE SHALL BE ALTERNATED SO THAT SPLICES ARE NOT ADJACENT TO EACH OTHER VERTICALLY.

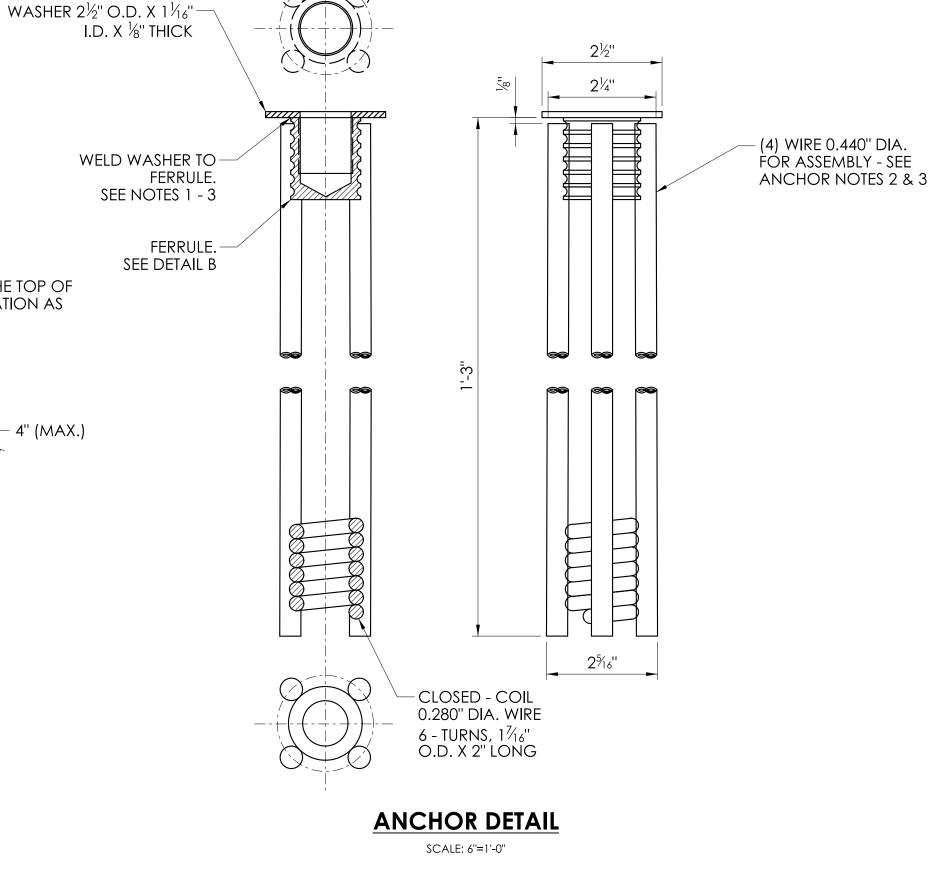
#### **FOUNDATION SELECTION**

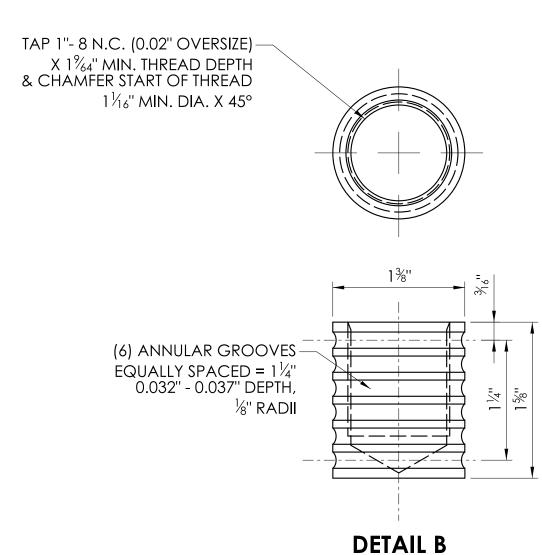
- 1. ENTER THE "FOUNDATION SELECTION TABLE" WITH THE POST SIZE SELECTED FROM THE "POST SELECTION TABLE 1 OR 2" ON DWG SMS-6 OR DWG SMS-7.
- READ HORIZONTALLY ACROSS THE TABLE THE CORRESPONDING VALUES OF FOUNDATION DIAMETER, EMBEDMENT DEPTH, REINFORCING BAR SIZE, ANCHORSPACING AND DIMENSION "B".

FOUNDATION SELECTION TABLE FOR BREAKAWAY SIGNS											
POST SIZE	DIAMETER D <sub>i</sub> (FT.)	DEPTH D <sub>=</sub> (FT.)	REINF. STEEL R,	ANCHOR SPACING A (IN.)	B (IN.)						
W6 W8	2.5	8	8 - #5	3	8						
W10 W12	2.5	8	8 - #5	4	8						
W14 W16 W18 W21	3.25	8	12 - #5	4	8						









#### **ANCHOR NOTES**

 $\frac{1}{8}$ " FILLET WELD WASHER TO FERRULE AT 4 PLACES 90° APART. WELD MUST NOT PENETRATE THROUGH THE WASHER. WASHER MUST BE PERPENDICULAR TO THE FERRULE CENTER LINE.

SCALE: Full Size 1 = 1

- WIRES (4) TO BE PERCUSSION WELDED TO FERRULE AND TO THE CLOSED COIL.
- 3. WELD MUST NOT PENETRATE TO FERRULE INTERIOR THREADS.
- WIRE TO BE DRAWN PER ASTM A510.
- CHEMICAL & PHYSICAL CERTIFICATION SHOULD ACCOMPANY THE MATERIAL.
- CERTIFICATION SHOULD EXPLICITLY INDICATE THE MATERIAL TO BE DOMESTIC.
- TOLERANCES ON DECIMAL DIMENSIONS SHALL BE  $\pm$  0.004". ALL OTHER TOLERANCES SHALL BE  $\pm$ 0.04", EXCEPT AS NOTED.



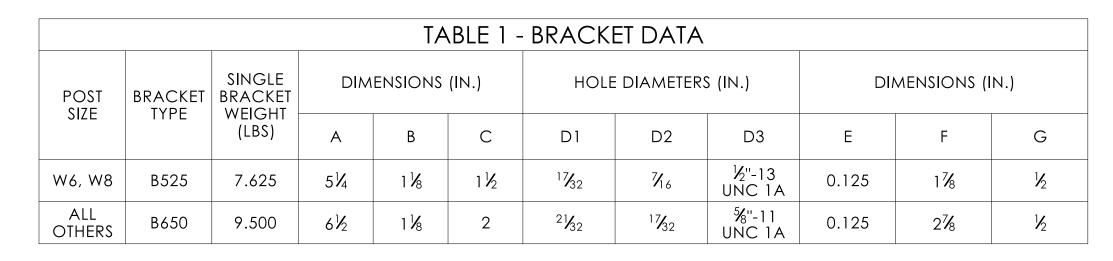
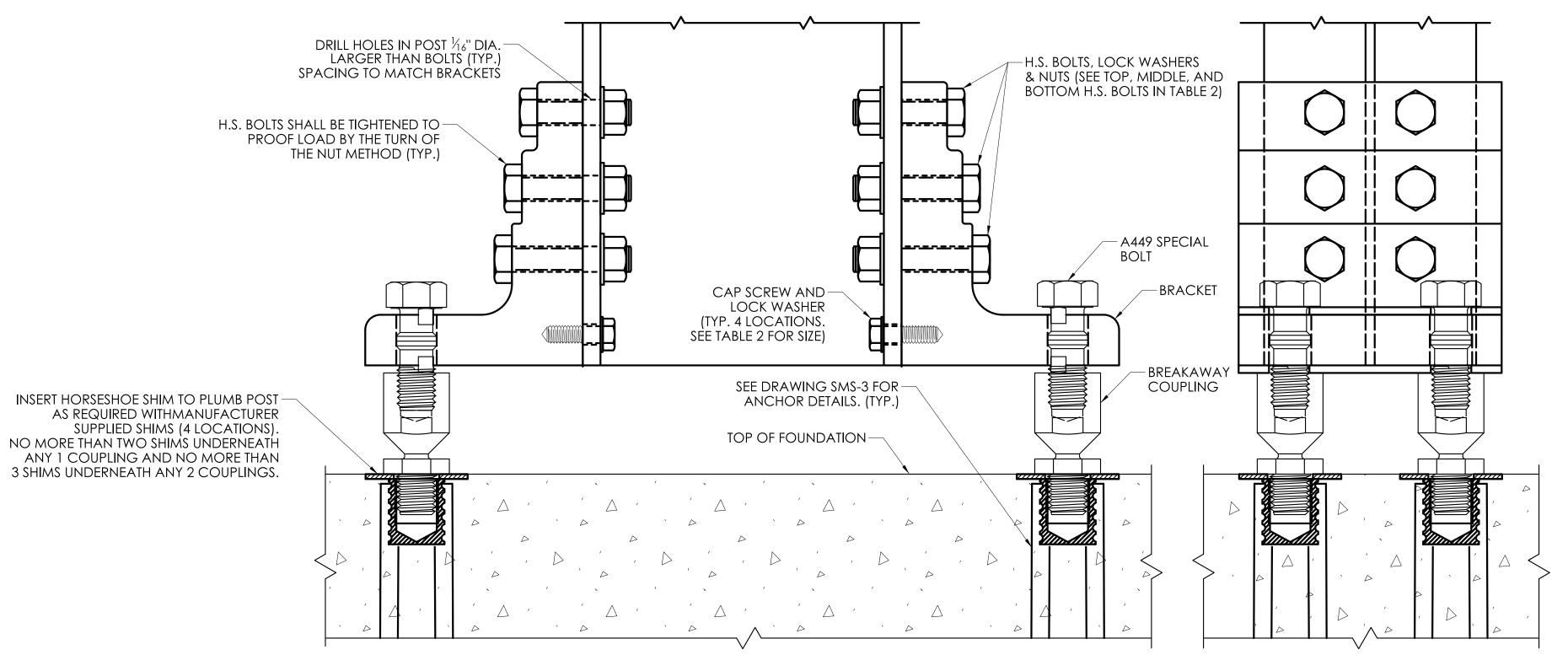
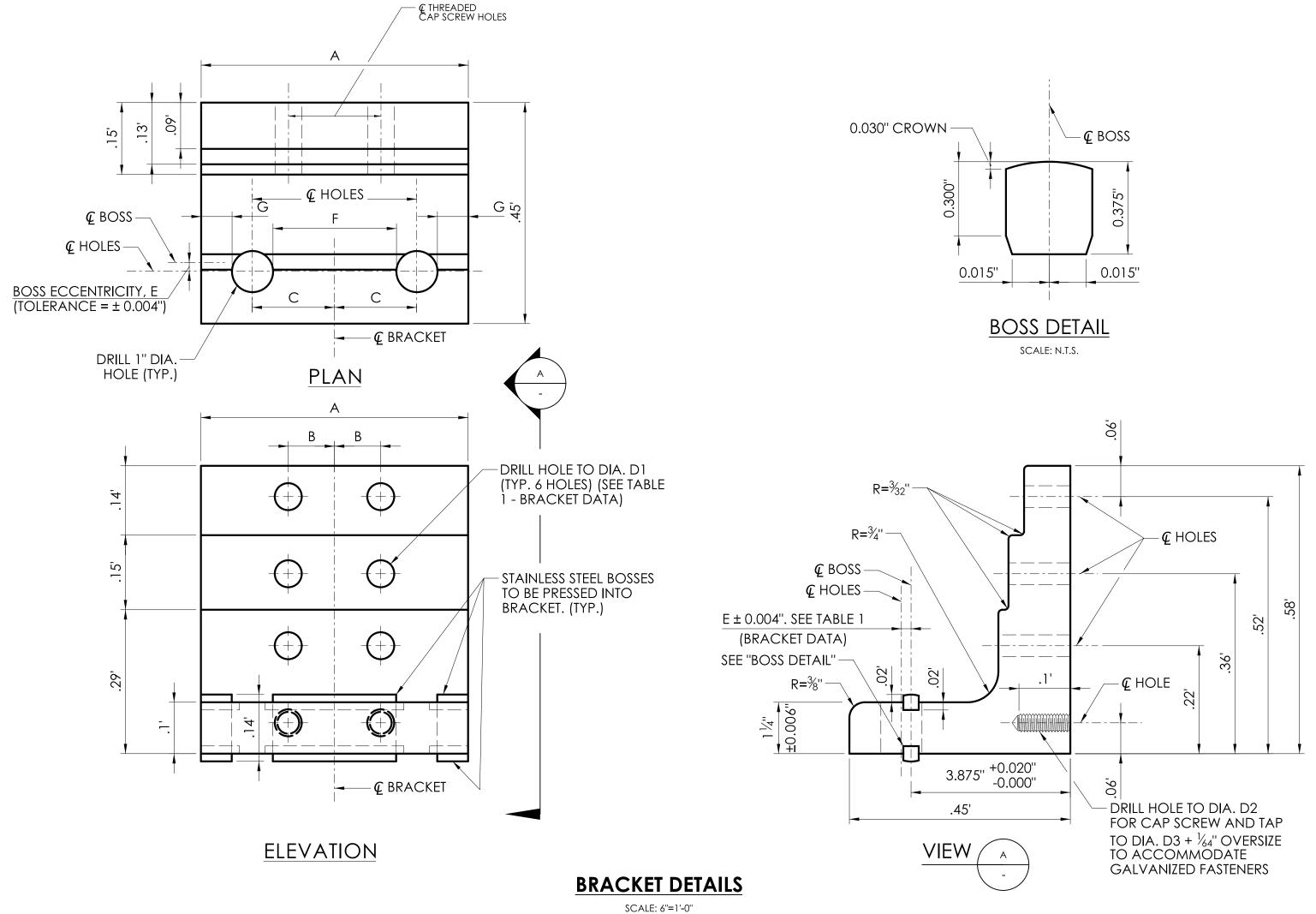


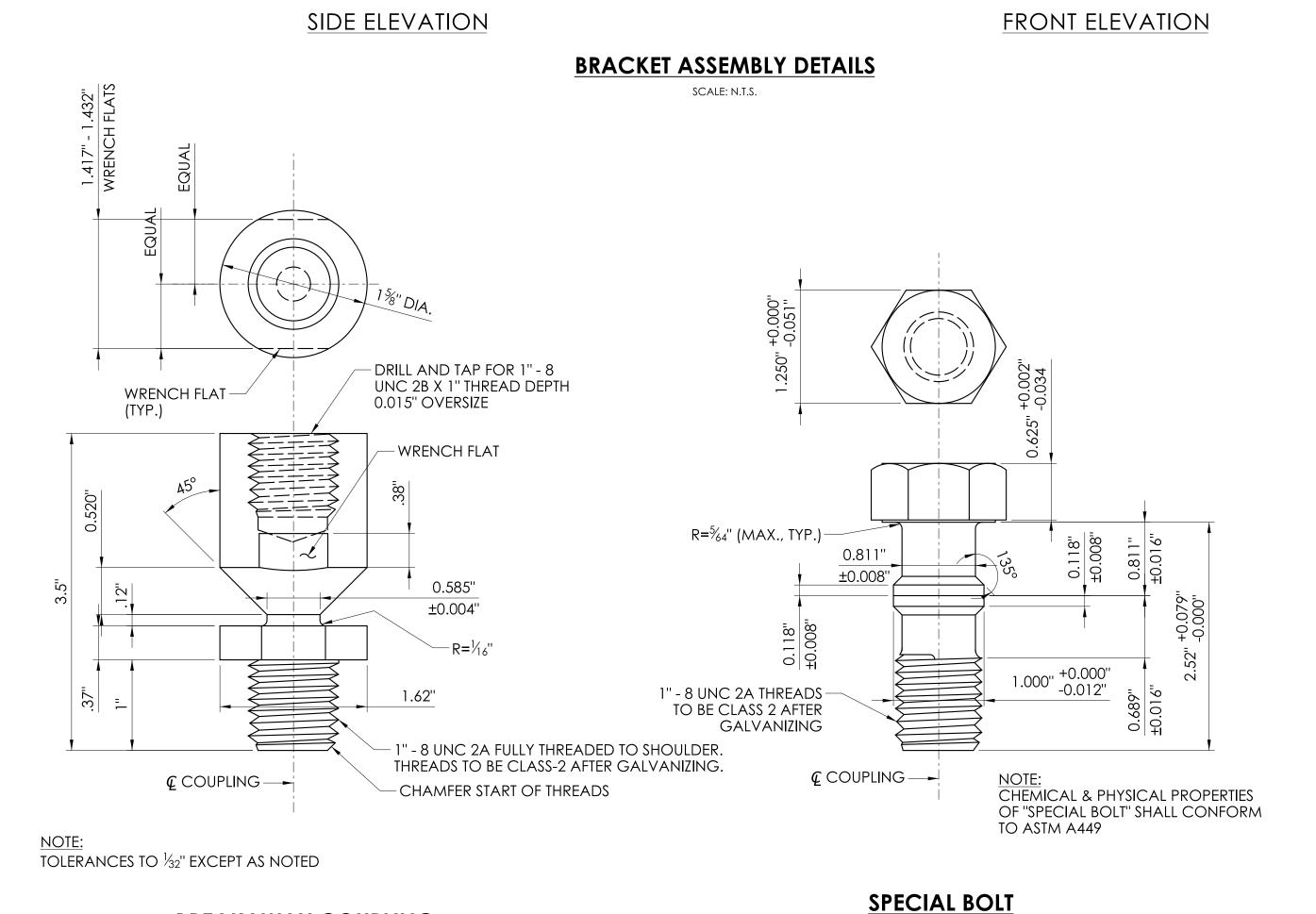
	TABLE 2 - BRACKET BOLTS											
POST SIZE	BRACKET	BOLT AND CAP SCREW DIAMETER (IN.)	В	OLT LENGT (IN.)	Ή	CAP SCREW LENGTH (IN.)	THREAD DESIGNATION (U.S. CUSTOMARY UNITS)					
	TYPE		TOP	MIDDLE	воттом		BOLT	CAP SCREW				
W6, W8	B525	$V_2$	21/2	2¾	3	1 1/4	13 UNC	13 UNC				
ALL OTHERS	B650	%	2¾	3	31/4	1 1/4	11 UNC	11 UNC				





SIGNATURE/ BLOCK:

SCALE AS NOTED



STATE OF CONNECTICUT **DEPARTMENT** TRANSPORTATION

PROJECT NUMBER: PROJECT DESCRIPTION: DRAWING TITLE: SIDE MOUNTED SIGN STRUCTURE BRACKET DETAILS

**BREAKAWAY COUPLING** 

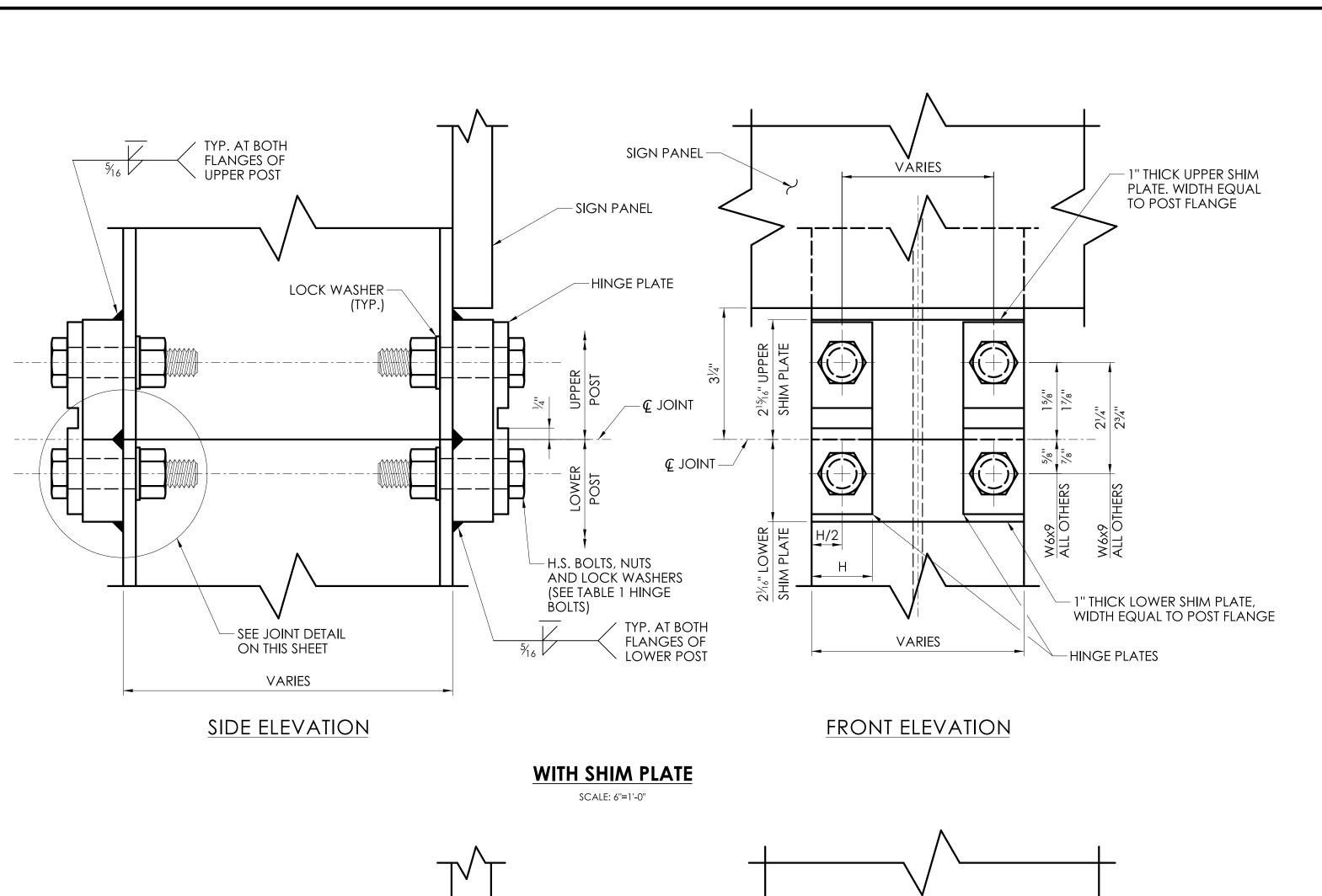
SCALE: Full Size 1 = 1

SMS-4

SCALE: Full Size 1 = 1

CHECKED BY:

DESIGNER/DRAFTER:



LOCK WASHERS. (SEE

TABLE 1 - HINGE BOLTS)

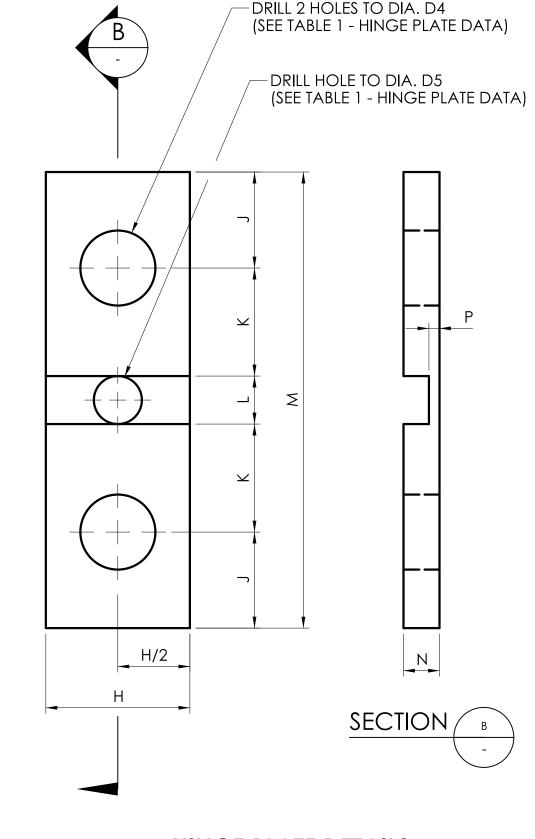
WITHOUT SHIM PLATE

SCALE: 6"=1'-0"

SIGNATURE/

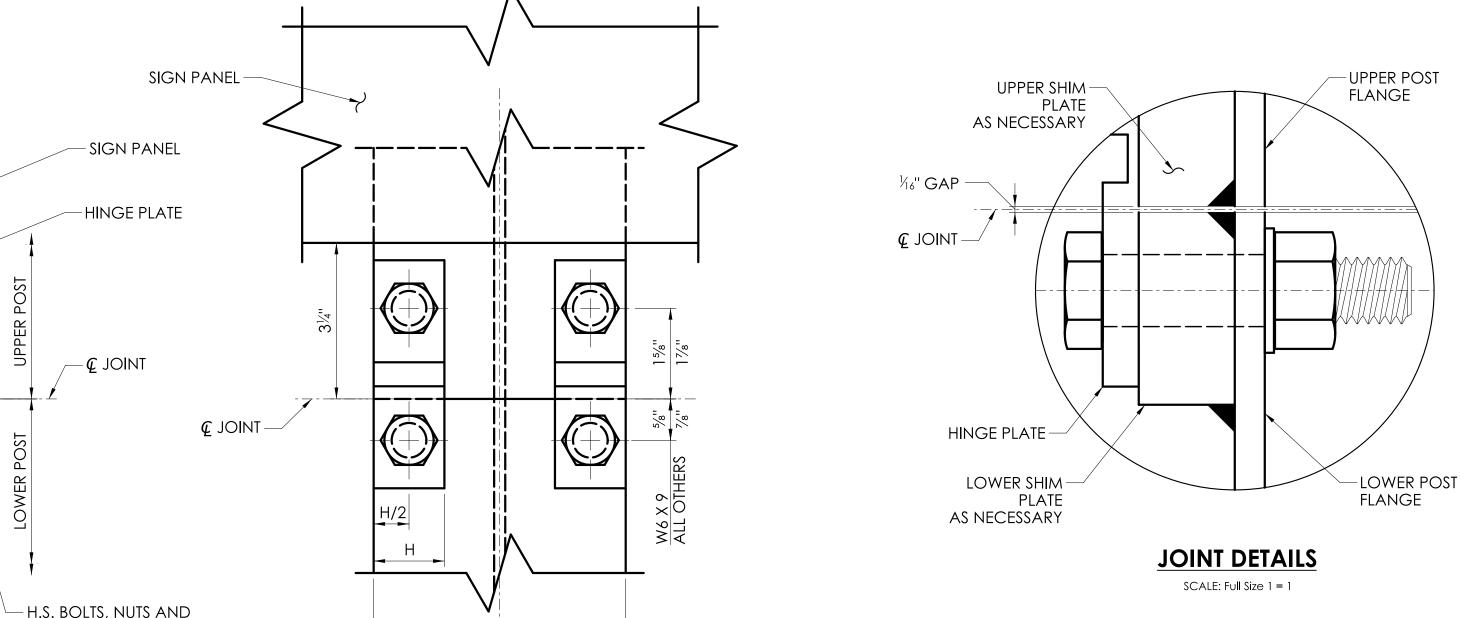
BLOCK:

SCALE AS NOTED



#### HINGE PLATE DETAILS

SCALE: Full Size 1 = 1



**VARIES** 

FRONT ELEVATION

#### **GENERAL NOTES**

<u>SPECIFICATIONS:</u> CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 818 (2020), WITH LATEST SUPPLEMENTAL SPECIFICATIONS, AND SPECIAL PROVISIONS.

DESIGN SPECIFICATIONS: AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES 17TH EDITION (2002) AND AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS 6TH EDITION (2013).

DESIGN LOADS: THE DESIGN WIND SPEED IS 100 MPH, BASED ON A 10-YEAR MEAN

FOUNDATIONS: CONCRETE FOR FOUNDATIONS SHALL BE CLASS PCC03340.

RECURRENCE INTERVAL.

<u>REINFORCEMENT</u>: REINFORCING STEEL SHALL BE UNCOATED AND MEET THE REQUIREMENTS OF ASTM A615, GRADE 60.

SIGN POSTS: STEEL FOR SIGN POSTS SHALL MEET THE REQUIREMENTS OF ASTM A992, GRADE 50, AND SHALL BE HOT DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123. THE POST SHALL BE PERMANENTLY LABELED BY PERMANENT PAINT MARKING WITH THE POST SIZE ON THE WEB AT THE BOTTOM OF THE LOWER POST. UPPER AND LOWER POSTS HAVE  $\frac{1}{6}$ " VERTICAL GAP BETWEEN THEM. THEREFORE, BOLT HOLES SHALL BE DRILLED WITH CONSIDERATION OF  $\frac{1}{3}$ 2" VERTICAL GAP BETWEEN  $\mathbf{Q}$  JOINT AND POST END.

BREAKAWAY HARDWARE: BREAKAWAY SIDE MOUNTED SIGN SUPPORTS SHALL BE CONSTRUCTED WITH A HARDWARE SYSTEM (ANCHORS, COUPLINGS BRACKETS AND HINGE PLATES) THAT BREAKS AWAY UPON IMPACT FROM AN ERRANT VEHICLE. ONLY BREAKAWAY HARDWARE SYSTEMS APPROVED BY CTDOT AND REFERENCED BY CTDOT QUALIFIED PRODUCT LIST UNDER NON-PROPRIETARY ROADSIDE SAFETY HARDWARE IS PERMITTED TO BE USED.

ANCHORS: THREADED FERRULES SHALL BE FABRICATED FROM TYPE 304 STAINLESS STEEL. RODS SHALL BE FABRICATED FROM STEEL CONFORMING TO AISI 1038. STEEL COILS SHALL CONFORM TO THE REQUIREMENTS OF AISI 1008. MINIMUM TENSILE STRENGTH OF 60,000 LBS.

ANCHOR SHIMS: HORSESHOE SHIMS SHALL BE FABRICATED FROM 14 OR 18 GAUGE SHEET STEEL AND GALVANIZED IN ACCORDANCE WITH ASTM A123.

BREAKAWAY COUPLINGS: BREAKAWAY COUPLINGS SHALL BE MADE FROM ALLOY STEEL CONFORMING TO AMS 6378D WITH EXCEPTIONS TO DECARBURIZATION AND MACROSTRUCTURE CLAUSES OR AN EQUIVALENT MATERIAL, AND SHALL HAVE A MINIMUM TENSILE YIELD STRENGTH OF 130,000 PSI. THE COUPLING SHALL HAVE A MINIMUM TENSILE ULTIMATE STRENGTH OF 40,400 LBS. THE ROCKWELL HARDNESS SHALL BE C32 MINIMUM. COUPLINGS SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A153, CLEANED AND PHOSPHATED PER FEDERAL SPECIFICATION TT-C-490C, COATED, 0.002" - 0.004" THICK, USING MORTON POWDER COATINGS' 20-7037 BLACK POLYESTER POWDER OR EQUIVALENT. CHIPPED AREAS OF THE COATED SURFACE SHALL BE REPAIRED. ALL THREADED SURFACES, AFTER COATING, SHALL BE CLEANED TO ALLOW THEM TO FUNCTION PROPERLY.

BRACKETS: BRACKETS SHALL BE MADE FROM ALUMINUM ALLOY 6061-T6 OR AN EQUIVALENT MATERIAL. THE LOAD CONCENTRATING MEMBER (BOSS) SHALL BE MADE FROM STAINLESS STEEL CONFORMING TO ASTM A582, TYPE 416 WITH ROCKWELL HARDNESS OF C33 - C45. LOCATION OF HOLES FOR THE BREAKAWAY COUPLING SHALL BE ACCURATELY POSITIONED RELATIVE TO THE LOAD CONCENTRATING MEMBER AND BRACKETS SHALL BE PERMANENTLY LABELED WITH THE BRACKET NUMBER TO REFLECT THE HOLE POSITIONING. SEE DWG SMS-4 FOR IDENTIFICATION OF BRACKETS BY NUMBER.

HINGE PLATES: HINGE PLATES SHALL BE MADE FROM ALLOY STEEL CONFORMING TO AISI 4140 OR AN EQUIVALENT MATERIAL AND SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123. THE HINGE PLATE SHALL HAVE A MINIMUM TENSILE YIELD STRENGTH OF 80,000 PSI AND MINIMUM TENSILE ULTIMATE STRENGTH AS FOLLOWS:

TYPE A 7,100 LBS

TYPE B525 11,300 LBS
TYPE B650 17,000 LBS

HINGE SHIM PLATES: 1" THICK SHIM PLATES SHALL MEET ASTM A572, GRADE 50.

BOLTS, NUTS AND WASHERS: UNLESS NOTED OTHERWISE, ALL HIGH STRENGTH BOLTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F3125 GRADE A325, TYPE 1. SPECIAL BOLTS SHALL CONFORM TO ASTM A449. NUTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A563, GRADE DH. LOCKWASHERS SHALL CONFORM TO THE REQUIREMENTS OF ANSI B18-21-1. BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM F2329 OR ASTM B695, CLASS 55. SPECIAL BOLTS MAY BE MECHANICALLY GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM B695, CLASS 50.

CAP SCREWS: CAP SCREWS ATTACHING BRACKETS TO POSTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A307 AND SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM F2329 OR ASTM B695, CLASS 55.

INSTALLATION: INSTALLATION OF THE BREAKAWAY HARDWARE SYSTEM SHALL BE IN ACCORDANCE WITH THE RECOMMENDED PRACTICES OF THE SUPPLIER. NO CHANGES IN MATERIALS OR DETAILS WILL BE PERMITTED WITHOUT PRIOR APPROVAL BY THE ENGINEER. ENLARGING OR INCREASING THE SIZE OF THE HOLES IN THE BRACKETS IS NOT PERMITTED.

BASIS OF PAYMENT: THE COST OF THE GALVANIZED STEEL POSTS, INCLUDING THE ANCHORS, COUPLINGS, BRACKETS, BOLTS, HINGE PLATES, AND HORSESHOE SHIMS WILL BE INCLUDED IN THE ITEM "STRUCTURAL STEEL". THE COST OF THE FOUNDATION, INCLUDING THE EXCAVATION, FORMING, REINFORCEMENT, AND CONCRETE WILL BE INCLUDED IN THE ITEM "SIDE MOUNTED SIGN FOUNDATION". WHEN ROCK IS ENCOUNTERED WITHIN THE LIMITS OF EXCAVATION, ITS REMOVAL WILL BE INCLUDED FOR PAYMENT UNDER "ROCK IN FOUNDATION EXCAVATION".

	TABLE 1 - HINGE PLATE DATA													
POST SIZE	HINGE TYPE	DIMENSIONS (IN.)								E DIA. N.)	BOLT DIMENSIONS (IN.)		THREAD SERIES	
		Н	J	K	L	М	N	Р	D4	D5	DIAMETER	LENGTH		
W6x9	А	1	3/4	7/8	$\frac{1}{2}$	3¾	15/64	0.071 ± 0.004	17/32	NONE	1/2	1 1/2	13 UNC (COARSE)	
W6* AND W8	B525	1½	1	1 1/8	1/2	4¾	¾	0.113 ± 0.004	<sup>25</sup> / <sub>32</sub>	1/2	3/4	21/4	10 UNC (COARSE)	
ALL OTHERS	B650	1½	1	1 1/8	1/2	4¾	3∕8	0.113 ± 0.004	<sup>25</sup> / <sub>32</sub>	NONE	3/4	21/4	10 UNC (COARSE)	
		•				•								

\* EXCLUDING W6x9

STATE OF CONNECTICUT

DEPARTMENT

OF

TRANSPORTATION



PROJECT NUMBER:

PROJECT DESCRIPTION:

TOWN(S):

DRAWING TITLE: SIDE MOUNTED SIGN STRUCTURE HINGE DETAILS

DRAWING NO.

SMS-5

SHEET NO.

DESIGNER/DRAFTER: CHECKED BY:

LASTED SAVED BY: FILE NAME:
PLOTTED DATE: 7/26/2023

LOCK WASHER

(TYP.)

SEE JOINT DETAIL

ON THIS SHEET

**VARIES** 

SIDE ELEVATION

# **POST SELECTION TABLE 1**

									H (S	ign Height + Cro	own Height)								
W	L 4 ft	5 ft	6 ft	7 ft	8 ft	9 ft	10 ft	11 ft	12 ft	13 ft	14 ft	15 ft	16 ft	17 ft	18 ft	19 ft	20 ft	21 ft	22 ft
	7 ft W6 x 9	W6 x 9	W6 x 9	W6 x 9	W6 x 9	W6 x 12	W6 x 12	W6 x 12	W6 x 15	W6 x 15 S	W6 x 15 S	W8 x 18 S	W8 x 18 S	W10 x 22	W10 x 22	W10 x 22	W10 x 26 S	W10 x 26 S	W12 x 26 S
	8 ft W6 x 9	W6 x 9	W6 x 9	W6 x 9	W6 x 12	W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15 S	W8 x 18	W8 x 18 S	W8 x 21 S	W10 x 22	W10 x 22	W10 x 26	W10 x 26 S	W10 x 26 S	W14 x 30
	9 ft W6 x 9	W6 x 9	W6 x 9	W6 x 12	W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15	W8 x 18	W8 x 18	W8 x 21 S	W8 x 21 S	W10 x 22	W10 x 26	W10 x 26	W10 x 26 S	W14 x 30	-
	10 ft W6 x 9	W6 x 9	W6 x 12	W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15	W6 x 15	W8 x 18	W8 x 21	W8 x 21 S	W8 x 21 S	W10 x 26	W10 x 26	W10 x 26	-	-	-
8 ft	11 ft W6 x 9 12 ft W6 x 9	W6 x 9	W6 x 12 W6 x 12	W6 x 12 W6 x 15	W6 x 15 W6 x 15	W6 x 15 W6 x 15	W6 x 15	W6 x 15 W8 x 18	W8 x 18 W8 x 21	W8 x 21 W8 x 21	W8 x 21 W8 x 21	W8 x 21 S	-	-	-	-	-	-	-
	12 ft W6 x 9 13 ft W6 x 12	W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15	W8 x 18	W8 x 18	W8 x 21	W8 x 21	VVO X Z I	-	-		-		-	-	-
	14 ft W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15	W8 x 18	W8 x 18		-	-	_	_	_	_	_	-	_	_	-
	15 ft W6 x 12	W6 x 15	W6 x 15	W6 x 15	W6 x 15	W8 x 18	-	-	-	-	-	-	-	-	-	-	-	-	-
	16 ft W6 x 12	W6 x 15	W6 x 15	W6 x 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7 ft W6 x 9	W6 x 9	W6 x 9	W6 x 9	W6 x 12	W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15 S	W8 x 18 S	W8 x 18 S	W10 x 22	W10 x 22	W10 x 22	W10 x 26 S	W10 x 26 S	W12 x 26 S	W14 x 30 S
	8 ft W6 x 9	W6 x 9	W6 x 9	W6 x 12	W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15 S	W6 x 15 S	W8 x 18 S	W8 x 21 S	W10 x 22	W10 x 22	W10 x 26	W10 x 26 S	W10 x 26 S	W14 x 30	W14 x 30 S
	9 ft W6 x 9	W6 x 9	W6 x 42	W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15	W6 x 15 S	W8 x 18	W8 x 21 S	W8 x 21 S	W10 x 22	W10 x 26	W10 x 26	W10 x 26 S	W14 x 30	-	-
	10 ft W6 x 9	W6 x 9 W6 x 12	W6 x 12 W6 x 12	W6 x 12	W6 x 15 W6 x 15	W6 x 15 W6 x 15	W6 x 15	W6 x 15 W8 x 18	W8 x 18 W8 x 18	W8 x 21 W8 x 21	W8 x 21 S W8 x 21 S	W8 x 21 S	W10 x 26	W10 x 26	W10 x 26	-	-	-	-
9 ft	12 ft W6 x 9	W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15	W8 x 18	W8 x 18	W8 x 21	W8 x 21	-	_	-	_	_	-	_		-
	13 ft W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15	W8 x 18	W8 x 18	W8 x 21	W8 x 21	-	_	_	-	_	_	-	_	_	-
	14 ft W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15	W8 x 18	-	-	-	-	-	-	-	-	-	-	-	-	-
	15 ft W6 x 12	W6 x 15	W6 x 15	W6 x 15	W8 x 18	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16 ft W6 x 15	W6 x 15	W6 x 15	-	-	-	-	-		-		-	-	-	-	-	-	-	-
	7 ft W6 x 9	W6 x 9	W6 x 9	W6 x 42	W6 x 12	W6 x 12	W6 x 12	W6 x 15	W6 x 15 S	W6 x 15 S	W8 x 18 S	W8 x 21 S	W10 x 22	W10 x 22	W10 x 26 S	W10 x 26 S	W12 x 26 S	W14 x 30 S	W18 x 35
	8 ft W6 x 9 9 ft W6 x 9	W6 x 9 W6 x 9	W6 x 9 W6 x 12	W6 x 12	W6 x 12 W6 x 12	W6 x 12 W6 x 15	W6 x 15	W6 x 15 W6 x 15	W6 x 15 S W8 x 18	W8 x 18 W8 x 18	W8 x 18 S W8 x 21 S	W10 x 22 W10 x 22	W10 x 22 W10 x 26	W10 x 26 W10 x 26	W10 x 26 S W10 x 26 S	W10 x 26 S W14 x 30	W14 x 30	W14 x 30 S	
	9π VV6 x 9	W6 x 12	W6 x 12	W6 x 12	W6 x 12	W6 x 15	W6 x 15	W8 x 18	W8 x 18	W8 x 21	W8 x 21 S	W10 x 26	W10 x 26	W10 x 26	VV 10 X 26 S	VV 14 X 30	-	-	-
45.5	11 ft W6 x 9	W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15	W8 x 18	W8 x 18	W8 x 21	W8 x 21	-			-	-	-	-	-	-
10 ft	12 ft W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15	W6 x 15	W8 x 18	W8 x 21	W8 x 21	W10 x 22	-	-	-	-	-	-	-	-	-
	13 ft W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15	W8 x 18	W8 x 21	W8 x 21	W8 x 21	-	-	-	-	-	-	-	-	-	-
	14 ft W6 x 12	W6 x 15	W6 x 15	W6 x 15	W8 x 18	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15 ft W6 x 12	W6 x 15	W6 x 15	W8 x 18	W8 x 18	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16 ft W6 x 15	W6 x 15 W6 x 9	W6 x 15 W6 x 9	- W6 v 12	- \\\\6 x 12	- W6 x 12	- W6 x 15	- \//6 x 15	- W6 x 15 S	- W8 x 18 S	- W8 x 18 S	- W10 x 22	W10 x 22	- \\\\\10 \\\\20	W10 x 26 S	- W12 x 26 S	W14 x 30 S	W18 x 35	- W18 x 40 S
	7 ft W6 x 9 8 ft W6 x 9	W6 x 9	W6 x 9	W6 x 12	W6 x 12 W6 x 12	W6 x 12 W6 x 15	W6 x 15	W6 x 15 W6 x 15	W6 x 15 S	W8 x 18 S	W8 x 21 S	W10 x 22	W10 x 22	W10 x 22 W10 x 26	W10 x 26 S	W12 x 26 S	W14 x 30 S		VV 18 X 40 S
	9 ft W6 x 9	W6 x 9	W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15	W6 x 15 S	W8 x 18	W8 x 21 S	W8 x 21 S	W10 x 22	W10 x 26	W10 x 26 S	W10 x 26 S	W14 x 30	-	-	-
	10 ft W6 x 9	W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15	W6 x 15	W8 x 18	W8 x 21	W8 x 21 S	W8 x 21 S	W10 x 26	W10 x 26	W10 x 26 S	-	-	_	_	-
11 ft	11 ft W6 x 9	W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15	W8 x 18	W8 x 21	W8 x 21	W8 x 21 S	-	-	-	-	-	-	-	-	-
1111	12 ft W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15	W8 x 18	W8 x 21	W8 x 21	W8 x 21	-	-	-	-	-	-	-	-	-	-
	13 ft W6 x 12	W6 x 15	W6 x 15	W6 x 15	W8 x 18	W8 x 18	W8 x 21	W8 x 21	-	-	-	-	-	-	-	-	-	-	-
	14 ft W6 x 12	W6 x 15	W6 x 15	W6 x 15	W8 x 18	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15 ft W6 x 15	W6 x 15	W6 x 15	W8 x 18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16 ft W6 x 15 7 ft W6 x 9	W6 x 15 W6 x 9	W6 x 9	W6 x 12	W6 x 12	W6 x 12	W6 x 15	- W6 x 15 S	- W6 x 15 S	W8 x 18 S	W10 x 22	W10 x 22	W10 x 22	W10 x 26 S	W10 x 26 S	W12 x 26 S	W14 x 30 S	W18 x 35	W18 x 40 S
	8 ft W6 x 9	W6 x 9	W6 x 12	W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15 S	W8 x 18	W8 x 18 S	W10 x 22	W10 x 22	W10 x 26	W10 x 26 S	W12 x 26 S	W14 x 30 S	W14 x 35		-
	9 ft W6 x 9	W6 x 12	W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15	W8 x 18	W8 x 18	W8 x 21 S	W10 x 22	W10 x 26	W10 x 26	W10 x 26 S		-	-	_	-
	10 ft W6 x 9	W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15	W8 x 18	W8 x 18	W8 x 21	W8 x 21 S	W10 x 26	W10 x 26	W10 x 26	-	-	-	-	-	-
12 ft	11 ft W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15	W8 x 18	W8 x 18	W8 x 21	W8 x 21	-	-	-	-	-	-	-	-	-	-
	12 ft W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15	W8 x 18	W8 x 21	W8 x 21	-	-	-	-	-	-	-	-	-	-	-
	13 ft W6 x 12	W6 x 15	W6 x 15	W6 x 15	W8 x 18	W8 x 21	W8 x 21	-	-	-	-	-	-	-	-	-	-	-	-
	14 ft W6 x 12 15 ft W6 x 15	W6 x 15	W6 x 15 W8 x 18	W8 x 18 W8 x 18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16 ft W6 x 15	W6 x 15	-				-	-		_		-	-			<del>                                     </del>			-
	7 ft W6 x 9	W6 x 9	W6 x 9	W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15 S	W8 x 18 S	W8 x 18 S	W10 x 22	W10 x 22	W10 x 22 S	W10 x 26 S	W12 x 26 S	W14 x 30 S	W18 x 35	W18 x 40 S	W21 x 44 S
	8 ft W6 x 9	W6 x 9	W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15	W6 x 15 S	W8 x 18 S	W8 x 21 S	W10 x 22	W10 x 22	W10 x 26 S	W10 x 26 S	W14 x 30	W18 x 35	W18 x 40	W21 x 44	W21 x 44 S
	9 ft W6 x 9	W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15	W6 x 15	W8 x 18	W8 x 21 S	W8 x 21 S	W10 x 22	W10 x 26	W10 x 26 S	W14 x 30	W14 x 30	W18 x 40	W18 x 40	W21 x 44	-
	10 ft W6 x 9	W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15	W8 x 18	W8 x 21	W8 x 21 S	W10 x 22	W10 x 26	W10 x 26	W14 x 30	W14 x 30	W18 x 40	W18 x 40	W21 x 44	-	-
13 ft	11 ft W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15	W8 x 18	W8 x 21	W8 x 21	W8 x 21 S	W10 x 26	W10 x 26	W14 x 30	W14 x 30	W18 x 40	W18 x 40	W21 x 44	-	-	-
	12 ft W6 x 12 13 ft W6 x 12	W6 x 15	W6 x 15	W6 x 15 W8 x 18	W8 x 18	W8 x 21 W8 x 21	W8 x 21	W8 x 21 W10 x 26	W10 x 26 W10 x 26	W10 x 26 W10 x 26	W10 x 26 W14 x 30	W14 x 30 W18 x 40	W18 x 40	W18 x 40 W18 x 40	W18 x 40	-	-	-	-
	14 ft W6 x 15	W6 x 15	W6 x 15	W8 x 18	W8 x 21	W8 x 21	W10 x 26	W10 x 26	W10 x 26	W14 x 30	W18 x 40	W18 x 40	W18 x 40	-	-	-	-	-	-
	15 ft W6 x 15	W6 x 15	W8 x 18	W8 x 21	W8 x 21	W10 x 26	W10 x 26	W10 x 26	W14 x 30	-	-	-	-	-	-	-	-	-	-
	16 ft W6 x 15	W8 x 18	W8 x 18	W8 x 21	W8 x 21	W10 x 26	W10 x 26	W14 x 30	W18 x 35	-	-	-	-	-	-	-	-	-	-
	7 ft W6 x 9	W6 x 9	W6 x 12	W6 x 12	W6 x 12	W6 x 15	W6 x 15 S	W6 x 15 S	W8 x 18 S	W10 x 22	W10 x 22	W10 x 22	W10 x 26 S	W12 x 26 S		W14 x 30 S	W18 x 35 S	W21 x 44	-
	8 ft W6 x 9	W6 x 9	W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15 S	W8 x 18	W8 x 18 S	W10 x 22	W10 x 22	W10 x 26	W10 x 26 S	W12 x 26 S		W18 x 35	W18 x 40 S	W21 x 44	-
	9 ft W6 x 9	W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15	W8 x 18	W8 x 18	W8 x 21 S	W10 x 22	W10 x 26	W10 x 26	W12 x 26	W14 x 30	W18 x 40	W18 x 40	W21 x 44	-	-
	10 ft W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15	W8 x 18	W8 x 18	W8 x 21	W8 x 21 S W10 x 26	W10 x 26	W10 x 26	W10 x 26	W14 x 30	W18 x 40	W18 x 40	W21 x 44	-	-	-
14 ft	11 ft W6 x 12 12 ft W6 x 12	W6 x 12 W6 x 15	W6 x 15 W6 x 15	W6 x 15 W6 x 15	W8 x 18 W8 x 18	W8 x 18 W8 x 21	W8 x 21	W8 x 21 W10 x 26	W10 x 26	W10 x 26 W10 x 26	W10 x 26 W14 x 30	W14 x 30 W18 x 40	W18 x 40	W18 x 40 W18 x 40	W18 x 40	-	-	-	-
	13 ft W6 x 12	W6 x 15	W6 x 15	W8 x 18	W8 x 21	W8 x 21	W10 x 26	W10 x 26	W10 x 26	W14 x 30	W18 x 35	W18 x 40	W18 x 40	VV 16 X 40	-	-	-	-	-
	14 ft W6 x 15	W6 x 15	W8 x 18	W8 x 21	W8 x 21	W8 x 21	W10 x 26	W10 x 26	W14 x 30	W18 x 35	W18 x 40	W18 x 40	W18 x 40	_	-	-	-	-	-
	15 ft W6 x 15	W6 x 15	W8 x 18	W8 x 21	W8 x 21	W10 x 26	W10 x 26	W14 x 30	W18 x 35	-	-	-	-	-	-	-	-	-	-
	16 ft W6 x 15	W8 x 18	W8 x 21	W8 x 21	W10 x 26	W10 x 26	W10 x 26	W14 x 30	-	-	-	-	-	-	-	-	-	-	-
	7 ft -	W6 x 9	W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15 S	W6 x 15 S	W8 x 18 S	W10 x 22	W10 x 22	W10 x 22 S	W10 x 26 S	W12 x 26 S	W14 x 30 S	W18 x 35	W18 x 40 S	W21 x 44 S	-
1	8 ft - 9 ft -	W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15	W6 x 15 S	W8 x 18 S	W8 x 21 S	W10 x 22	W10 x 22	W10 x 26 S	W12 x 26	W14 x 30	W18 x 35	W18 x 40	W21 x 44	-	-
	. •	W6 x 12 W6 x 12	W6 x 12 W6 x 15	W6 x 15 W6 x 15	W6 x 15 W6 x 15	W6 x 15 W8 x 18	W8 x 18 W8 x 21	W8 x 21 S W8 x 21 S	W8 x 21 S W10 x 22	W10 x 22 W10 x 26	W10 x 26 W10 x 26	W10 x 26 S W14 x 30	W14 x 30 W14 x 30	W18 x 35 W18 x 40	W18 x 40 W18 x 40	W21 x 44 W21 x 44	-	-	-
				W6 x 15	W8 x 18	W8 x 21	W8 x 21	W10 x 22	W10 x 26	W10 x 26	W14 x 30	W14 x 30	W18 x 40	W18 x 40	W21 x 44	VVZ I X 44	-	-	-
	10 ft -		1 VV6 X 15	I VVO X IS												+		+	+
15 ft	10 ft -	W6 x 15 W6 x 15	W6 x 15 W6 x 15	W8 x 18	W8 x 18	W8 x 21	W8 x 21	W10 x 26	W10 x 26	W14 x 30	W14 x 30	W18 x 40	W18 x 40	W21 x 44	_	-	-	-	-
15 ft	10 ft - 11 ft -	W6 x 15				W8 x 21 W8 x 21	W8 x 21 W10 x 26	W10 x 26 W10 x 26	W10 x 26 W10 x 26	W14 x 30 W14 x 30	W14 x 30 W18 x 40	W18 x 40 W18 x 40	W18 x 40 W18 x 40	W21 x 44	-	-	-	-	-
15 ft	10 ft - 11 ft - 12 ft - 13 ft - 14 ft -	W6 x 15 W6 x 15 W6 x 15 W6 x 15	W6 x 15 W6 x 15 W8 x 18	W8 x 18	W8 x 18 W8 x 21 W8 x 21	W8 x 21 W10 x 26	W10 x 26 W10 x 26	W10 x 26 W10 x 26	W10 x 26 W14 x 30										
15 ft	10 ft - 11 ft - 12 ft - 13 ft -	W6 x 15 W6 x 15 W6 x 15	W6 x 15 W6 x 15	W8 x 18 W8 x 18	W8 x 18 W8 x 21	W8 x 21	W10 x 26	W10 x 26	W10 x 26	W14 x 30	W18 x 40	W18 x 40	W18 x 40	-	-	-	-	-	-

DATE REVISION DESCRIE

DESIGNER/DRAFTER: CHECKED BY:

STATE OF CONNECTICUT

DEPARTMENT

OF

TRANSPORTATION

PROJECT NUMBER:

PROJECT DESCRIPTION:

TOWN(S):

DRAWING TITLE: SIDE MOUNTED SIGN STRUCTURE POST SELECTION TABLE 1 (W<=15FT.)

SHEET NO

# **POST SELECTION TABLE 2**

										H (Sign H	eight + Crown I	Height)								
W	L	4 ft	5 ft	6 ft	7 ft	8 ft	9 ft	10 ft	11 ft	12 ft	13 ft	14 ft	15 ft	16 ft	17 ft	18 ft	19 ft	20 ft	21 ft	22 ft
	7 ft	-	W6 x 9	W6 x 12	W6 x 12	W6 x 15	W6 x 15 S	W6 x 15 S	W8 x 18 S	W8 x 18 S	W10 x 22	W10 x 22	W10 x 26 S	W10 x 26 S	W12 x 26 S	W18 x 35	W18 x 35 S	W21 x 44	-	-
	8 ft	-	W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15 S	W8 x 18	W8 x 18 S	W8 x 21 S	W10 x 22	W10 x 26	W10 x 26 S	W12 x 26 S	W14 x 30 S	W18 x 35	W21 x 44	-	-	-
	9 ft	-	W6 x 12	W6 x 15	W6 x 15	W6 x 15	W8 x 18	W8 x 18	W8 x 21 S	W10 x 22	W10 x 26	W10 x 26	W12 x 26	W14 x 30	W18 x 35	W18 x 40	W21 x 44	-	-	-
	10 ft	-	W6 x 12	W6 x 15	W6 x 15	W8 x 18	W8 x 18	W8 x 21	W8 x 21 S	W10 x 26	W10 x 26	W12 x 26	W14 x 30	W18 x 40	W18 x 40	W21 x 44	-	-	-	-
16 ft	11 ft	-	W6 x 15	W6 x 15	W6 x 15	W8 x 18	W8 x 21	W8 x 21	W10 x 26	W10 x 26	W10 x 26	W14 x 30	W18 x 40	W18 x 40	W21 x 44	-	-	-	-	-
	12 ft	-	W6 x 15	W6 x 15	W8 x 18	W8 x 21	W8 x 21	W10 x 26	W10 x 26	W10 x 26	W14 x 30	W18 x 40	W18 x 40	W18 x 40	-	-	-	-	-	-
	13 ft	-	W6 x 15	W8 x 18	W8 x 21	W8 x 21	W10 x 22	W10 x 26	W10 x 26	W14 x 30	W18 x 40	W18 x 40	W18 x 40	-	-	-	-	-	-	-
	14 ft	-	W6 x 15	W8 x 18	W8 x 21	W8 x 21	W10 x 26	W10 x 26	W14 x 30	W18 x 35	W18 x 40	W18 x 40	-	-	-	-	-	-	-	-
	15 ft	-	W8 x 18	W8 x 21	W8 x 21	W10 x 26	W10 x 26	W14 x 30	W18 x 35	-	-	-	-	-	-	-	-	-	-	-
	16 ft	-	W8 x 18	W8 x 21	W10 x 26	W10 x 26	W10 x 26	W14 x 30	- \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	- 14/40 22	-	- 10/40 22 - C	- 10/40 20 - 0	-	-	-	- 10/24 44	-	-	-
	7 ft	-	W6 x 42	W6 x 12	W6 x 12	W6 x 15	W6 x 15 S	W6 x 15 S	W8 x 18 S	W10 x 22	W10 x 22	W10 x 22 S	W10 x 26 S	W12 x 26 S	W14 x 30 S	W18 x 35	W21 x 44	-	-	-
	8 ft 9 ft	-	W6 x 12	W6 x 12 W6 x 15	W6 x 15 W6 x 15	W6 x 15 W6 x 15	W6 x 15 S W8 x 18	W8 x 18 W8 x 21	W8 x 21 S W8 x 21 S	W10 x 22 W10 x 22	W10 x 22 W10 x 26	W10 x 26 S W10 x 26 S	W12 x 26 W14 x 30	W14 x 30 W18 x 35	W18 x 35 W18 x 40	W18 x 40 W21 x 44	W21 x 44	-	-	-
	10 ft	-	W6 x 12	W6 x 15	W6 x 15	W8 x 18	W8 x 21	W8 x 21	W10 x 22	W10 x 26	W10 x 26	W10 x 20 3	W18 x 35	W18 x 40	W21 x 44		-	-	-	-
	10 ft	-	W6 x 15	W6 x 15	W8 x 18	W8 x 18	W8 x 21	W10 x 22	W10 x 26	W10 x 26	W14 x 30	W14 x 30	W18 x 40	W18 x 40	W21 x 44		-	-		-
17 ft	12 ft	_	W6 x 15	W6 x 15	W8 x 18	W8 x 21	W8 x 21	W10 x 26	W10 x 26	W14 x 30	W14 x 30	W18 x 40	W18 x 40	W21 x 44	VVZ I X 44	-	-	-	-	
	13 ft	_	W6 x 15	W8 x 18	W8 x 21	W8 x 21	W10 x 26	W10 x 26	W10 x 26	W14 x 30	W18 x 40	W18 x 40	W21 x 44	-				-		-
	14 ft	_	W6 x 15	W8 x 18	W8 x 21	W10 x 26	W10 x 26	W10 x 26	W14 x 30	W18 x 40	W18 x 40	W18 x 40	-	_	_	_	_	_	_	_
	15 ft	_	W8 x 18	W8 x 21	W8 x 21	W10 x 26	W10 x 26	W14 x 30	-	-	-	-	_	_	_	_	_	_	_	_
	16 ft	_	W8 x 21	W8 x 21	W10 x 26	W10 x 26	W14 x 30	-	_	_	_	_	_	_	_	_	_	_	_	_
	7 ft	_	W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15 S	W6 x 15 S	W8 x 18 S	W10 x 22	W10 x 22	W10 x 26 S	W12 x 26 S	W14 x 30 S	W18 x 35	W18 x 35 S	W21 x 44	-	-	-
	8 ft	-	W6 x 12	W6 x 12	W6 x 15	W6 x 15	W6 x 15 S	W8 x 18 S	W8 x 21 S	W10 x 22	W10 x 26	W10 x 26 S	W12 x 26 S	W18 x 35	W18 x 35	W21 x 44	-	-	-	-
	9 ft	-	W6 x 12	W6 x 15	W6 x 15	W6 x 15	W8 x 18	W8 x 21 S	W10 x 22	W10 x 26	W10 x 26	W12 x 26	W14 x 30	W18 x 35	W21 x 44	-	-	-		-
	10 ft	-	W6 x 15	W6 x 15	W6 x 15	W8 x 18	W8 x 21	W8 x 21 S	W10 x 26	W10 x 26	W12 x 26	W14 x 30	W18 x 35	W18 x 40	W21 x 44	-	-	-	-	-
18 ft	11 ft	-	W6 x 15	W6 x 15	W8 x 18	W8 x 21	W8 x 21	W10 x 26	W10 x 26	W10 x 26	W14 x 30	W18 x 40	W18 x 40	W21 x 44	-	-	-	-	-	-
10 11	12 ft	-	W6 x 15	W6 x 15	W8 x 18	W8 x 21	W10 x 22	W10 x 26	W10 x 26	W14 x 30	W18 x 40	W18 x 40	W21 x 44	-	-	-	-	-	-	-
	13 ft	-	W6 x 15	W8 x 18	W8 x 21	W8 x 21	W10 x 26	W10 x 26	W14 x 30	W18 x 40	W18 x 40	W18 x 40	-	-	-	-	-	-	-	-
	14 ft	-	W8 x 18	W8 x 21	W8 x 21	W10 x 26	W10 x 26	W14 x 30	W18 x 35	W18 x 40	W18 x 40	-	-	-	-	-	-	-	-	-
	15 ft	-	W8 x 18	W8 x 21	W10 x 26	W10 x 26	W10 x 26	W18 x 35	-	-	-	-	-	-	-	-	-	-	-	-
	16 ft	-	W8 x 21	W8 x 21	W10 x 26	W10 x 26	W14 x 30	-	-	-	-	-	-	-	-	-	-	-	-	-
	7 ft	-	-	W6 x 12	W6 x 15	W6 x 15	W6 x 15 S	W8 x 18 S	W8 x 21 S	W10 x 22	W10 x 22	W10 x 26 S	W12 x 26 S	W14 x 30 S	W18 x 35	W21 x 44	-	-	-	-
	8 ft	-	-	W6 x 15	W6 x 15	W6 x 15	W8 x 18	W8 x 18 S	W10 x 22	W10 x 22	W10 x 26	W12 x 26	W14 x 30	W18 x 35	W21 x 44	W21 x 44	-	-	-	-
	9 ft	-	-	W6 x 15	W6 x 15	W8 x 18	W8 x 18	W8 x 21 S	W10 x 22	W10 x 26	W12 x 26	W14 x 30	W18 x 35	W18 x 35	W21 x 44	-	-	-	-	-
	10 ft	-	-	W6 x 15	W6 x 15	W8 x 18	W8 x 21	W10 x 22	W10 x 26	W10 x 26	W12 x 26	W18 x 35	W18 x 40	W21 x 44	-	-	-	-	-	-
19 ft	11 ft	-	-	W6 x 15	W8 x 18	W8 x 21	W8 x 21	W10 x 26	W10 x 26	W12 x 26	W14 x 30	W18 x 40	W21 x 44	-	-	-	-	-	-	-
	12 ft 13 ft	-	-	W8 x 18	W8 x 21	W8 x 21 W10 x 22	W10 x 26	W10 x 26	W10 x 26	W14 x 30 W18 x 40	W18 x 40 W18 x 40	W18 x 40 W21 x 44	W21 x 44	-	-	-	-	-	-	-
	14 ft	-	-	W8 x 18 W8 x 21	W8 x 21	W10 x 26	W10 x 26 W10 x 26	W10 x 26 W14 x 30	W14 x 30 W18 x 40	W18 x 40			-	-	-		-	-	-	-
	15 ft	-		W8 x 21	W10 x 26	W10 x 26	W14 x 30				-	-	-	-	-		-	-	-	
	16 ft	_	-	W8 x 21	W10 x 26	W10 x 26	W18 x 35	-	-	-	-	_	-	-				-	-	-
	7 ft	_	-	W6 x 12	W6 x 15	W6 x 15 S	W6 x 15 S	W8 x 18 S	W10 x 22	W10 x 22	W10 x 22 S	W12 x 26 S	W14 x 30 S	W16 x 31 S	W18 x 35 S	-	_	_	_	_
	8 ft	_	_	W6 x 15	W6 x 15	W6 x 15 S	W8 x 18	W8 x 21 S	W10 x 22	W10 x 22	W10 x 26 S	W12 x 26 S	W18 x 35	W18 x 35	W21 x 44	_	_	_	_	_
	9 ft	_	_	W6 x 15	W6 x 15	W8 x 18	W8 x 21	W10 x 22	W10 x 22	W10 x 26	W12 x 26	W18 x 35	W18 x 35	W21 x 44	-	_	_	_	_	_
	10 ft	-	_	W6 x 15	W8 x 18	W8 x 18	W8 x 21	W10 x 22	W10 x 26	W12 x 26	W14 x 30	W18 x 35	W21 x 44	W21 x 44	_	-	-	-	-	-
20 A	11 ft	-	-	W6 x 15	W8 x 18	W8 x 21	W10 x 22	W10 x 26	W10 x 26	W14 x 30	W18 x 35	W18 x 40	W21 x 44	-	-	-	-	-	-	-
20 ft	12 ft	-	-	W8 x 18	W8 x 21	W8 x 21	W10 x 26	W10 x 26	W14 x 30	W14 x 30	W18 x 40	W21 x 44	-	-	-	-	-	-	-	-
	13 ft	-	-	W8 x 21	W8 x 21	W10 x 26	W10 x 26	W14 x 30	W14 x 30	W18 x 40	W18 x 40	W21 x 44	-	-	-	-	-	-	-	-
	14 ft	-	-	W8 x 21	W8 x 21	W10 x 26	W10 x 26	W14 x 30	W18 x 40	W18 x 40	-	-	-	-	-	-	-	-	-	-
	15 ft	-	-	W8 x 21	W10 x 26	W10 x 26	W14 x 30	-	-	-	-	-	-	-	-	-	-	-	-	-
	16 ft	-	-	W10 x 26	W10 x 26	W14 x 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7 ft	-	-	W6 x 12	W6 x 15	W6 x 15 S	W6 x 15 S	W8 x 18 S	W10 x 22	W10 x 22	W10 x 26 S	W12 x 26 S	W16 x 31	W18 x 35	-	-	-	-	-	-
	8 ft	-	-	W6 x 15	W6 x 15	W6 x 15 S	W8 x 18	W8 x 21 S	W10 x 22	W10 x 26	W12 x 26	W14 x 30	W18 x 35	W21 x 44	-	-	-	-	-	-
	9 ft	-	-	W6 x 15	W6 x 15	W8 x 18	W8 x 21	W10 x 22	W10 x 26	W12 x 26	W14 x 30	W18 x 35	W18 x 35	W21 x 44	-	-	-	-	-	-
	10 ft	-	-	W6 x 15	W8 x 18	W8 x 21	W10 x 22	W10 x 26	W10 x 26	W12 x 26	W18 x 35	W18 x 35	W21 x 44	-	-	-	-	-	-	-
21 ft	11 ft	-	-	W6 x 15	W8 x 18	W8 x 21	W10 x 22	W10 x 26	W12 x 26	W14 x 30	W18 x 40	W21 x 44	-	-	-	-	-	-	-	-
	12 ft	-	-	W8 x 18	W8 x 21	W10 x 22	W10 x 26	W10 x 26	W14 x 30	W18 x 40	W18 x 40	W21 x 44	-	-	-	-	-	-	-	-
	13 ft	-	-	W8 x 21	W8 x 21	W10 x 26	W10 x 26	W14 x 30	W18 x 40	W18 x 40	W21 x 44	-	-	-	-	-	-	-	-	-
	14 ft	-	-	W8 x 21	W10 x 26	W10 x 26	W14 x 30	W18 x 40	W18 x 40	-	-	-	-	-	-	-	-	-	-	-
	15 ft 16 ft	-	-	W8 x 21 W10 x 26	W10 x 26 W10 x 26	W10 x 26 W14 x 30	W18 x 35	-	-	-		-	-	-	-		-	-	-	-
	7 ft	-	-	W6 x 12	W6 x 15	W6 x 15 S	- W8 x 18 S	- W8 x 18 S	W10 x 22	W10 x 22	W12 x 26	W14 x 30	W16 x 31	- W18 x 35 S	-		-	-	-	-
	8 ft	-	-	W6 x 15	W6 x 15	W6 x 15 S	W8 x 18 S	W10 x 22	W10 x 22	W10 x 26	W12 x 26	W16 x 31	W18 x 35	VV 16 X 35 S			-			-
	9 ft	_	-	W6 x 15	W6 x 15	W8 x 18	W8 x 21 S	W10 x 22	W10 x 26	W10 x 26	W14 x 30	W18 x 35	W21 x 44		-	-	-	-	-	-
	10 ft	_	-	W6 x 15	W8 x 18	W8 x 21	W10 x 22	W10 x 26	W10 x 26	W14 x 30	W18 x 35	W21 x 44	-			-	-	-		-
	10 ft		-	W8 x 18	W8 x 21	W8 x 21	W10 x 26	W10 x 26	W12 x 26	W18 x 35	W18 x 40	W21 x 44	-	-	-		-	-		
22 ft	12 ft	_	-	W8 x 18	W8 x 21	W10 x 22	W10 x 26	W10 x 26	W12 x 20	W18 x 40	W21 x 44	-	-	-	-	-	-	-	-	-
	13 ft	_	-	W8 x 21	W8 x 21	W10 x 26	W10 x 26	W12 x 20	W18 x 40	W18 x 40	-	-	-	-	-	-	-	-	-	_
	14 ft	_	-	W8 x 21	W10 x 26	W10 x 26	W14 x 30	W14 x 40	W18 x 40	-	_	-	_	_		_	-	-	_	_
	15 ft	_	-	W10 x 22	W10 x 26	W14 x 30	-	-	-	-	_	-	-	_	-	_	-	-	-	_
	16 ft	-	-	W10 x 26	W10 x 26	W14 x 30	_	_	-	_	-	-	_	_	-	-	-	-	-	_
		1						1							-					-

DATE REVISION DESCRIPTION DESC

SIGNATURI BLOCK: STATE OF CONNECTICUT

DEPARTMENT

OF

TRANSPORTATION

PROJECT NUMBER:
PROJECT DESCRIPTION:
TOWN(S):

SMS-

DRAWING TITLE: SIDE MOUNTED SIGN STRUCTURE POST SELECTION TABLE 2 (W>15FT.)

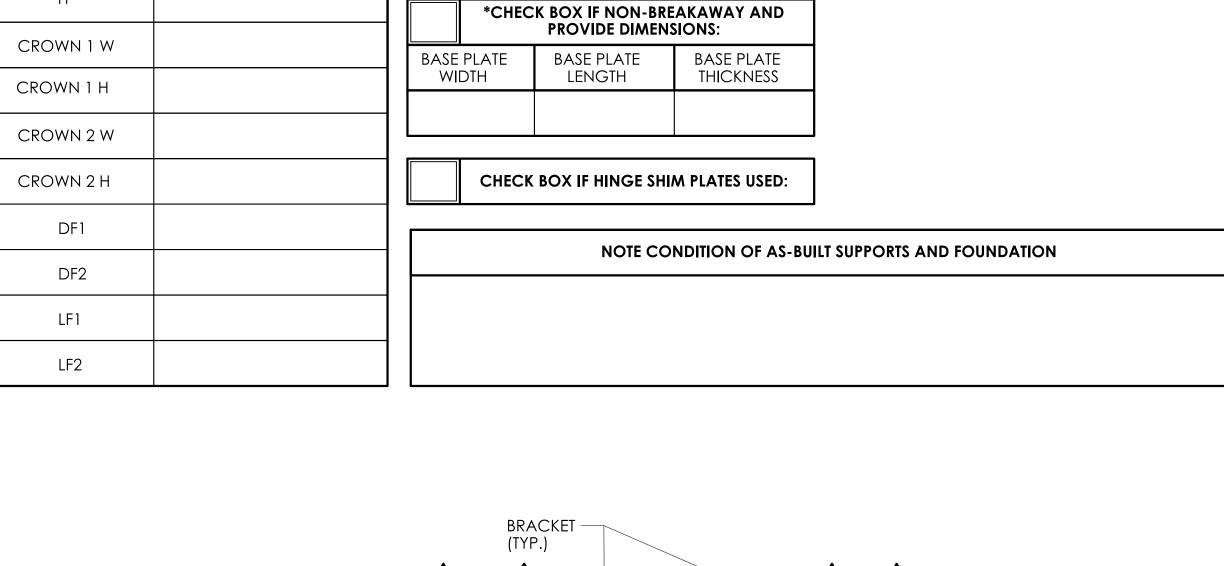
### SIDE MOUNTED SIGN SUPPORT - AS-BUILT INFORMATION

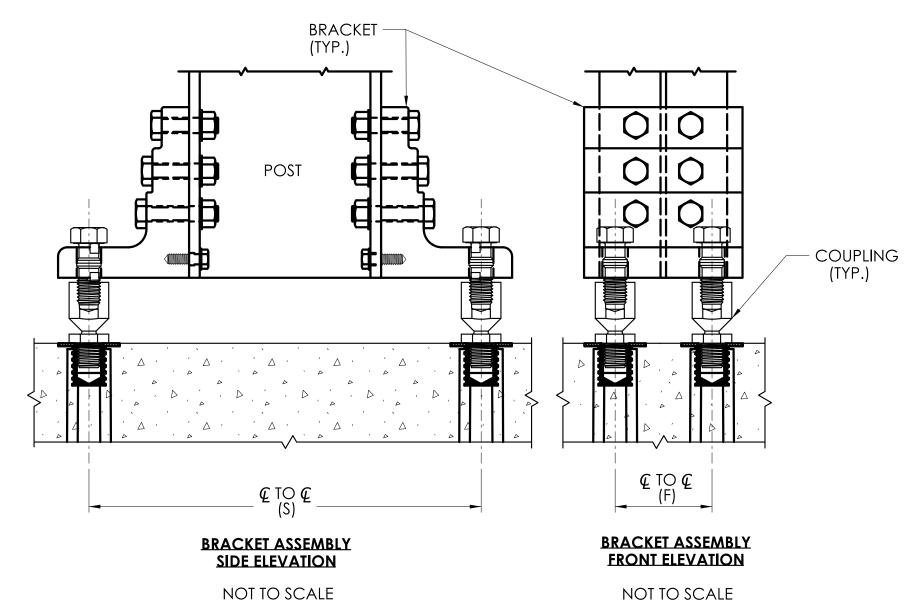
	<u> 31D</u>	L 141001	1160 31011 301		<u>- 73-001</u>	<u>LI I</u>					
SIGN SUPF	PORT LOCATION		POST 1 DIMENSIONS								
			DIMENSION	V	/ALUE						
SIGN	SUPPORT #		POST W-SHAPE	W	X						
			P1 <sub>L</sub>								
STRUCTUR	E DIMENSIONS		P1 <sub>U</sub>								
DIMENSION	VALUE										
	V7 (LOL		TYPE C	OF GUIDE RA	AIL						
Е											
G											
С			MIN. CLEAR HEIGHT TO EX	FROM TOP		 OSTS					
W			H <sub>G</sub>								
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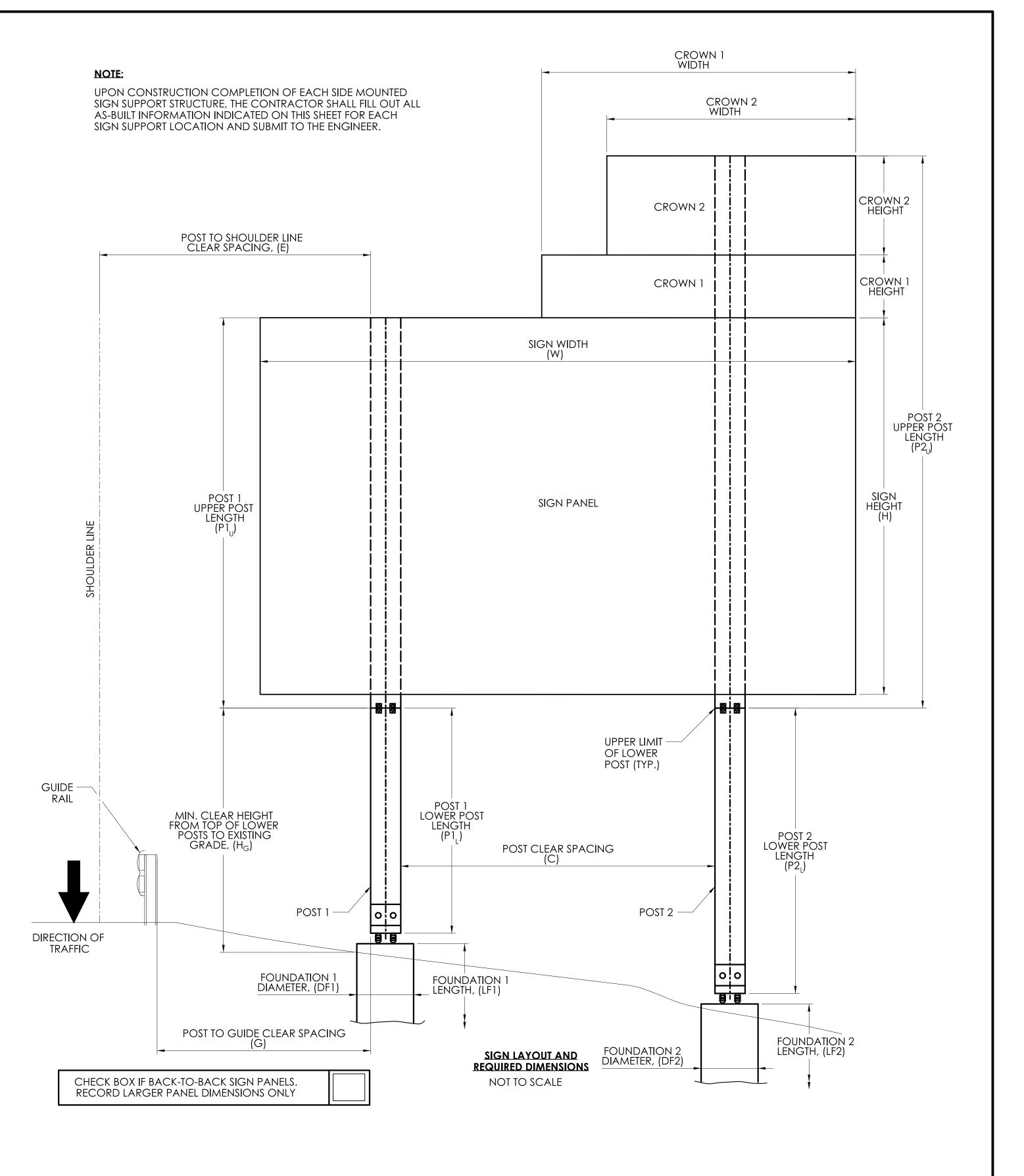
POST 2 DIMENSIONS									
DIMENSION		VALUE							
POST W-SHAPE	W		Χ						
P2 <sub>L</sub>									
P2 <sub>U</sub>									

BREAKAWAY ASSEMBLY DIMENSIONS										
DIMENSION	VALUE									
<b>*</b> S										
*F										

*RECORD DIMENSIONS FOR "S" AND "F" FOR	
RECORD DIMENSIONS FOR 3 AND 1 TOK	ВОПП
BREAKAWAY AND NON-BREAKAWAY SCENA	
DREAKAWAT AND NON-BREAKAWAT 3CENA	4KIO3







SIGNATURE/ BLOCK:

STATE OF CONNECTICUT **DEPARTMENT** TRANSPORTATION PROJECT NUMBER: PROJECT DESCRIPTION:

DRAWING TITLE: SIDE MOUNTED SIGN STRUCTURE AS-BUILT INFORMATION TEMPLATE

SMS-8

CHECKED BY:

DESIGNER/DRAFTER: