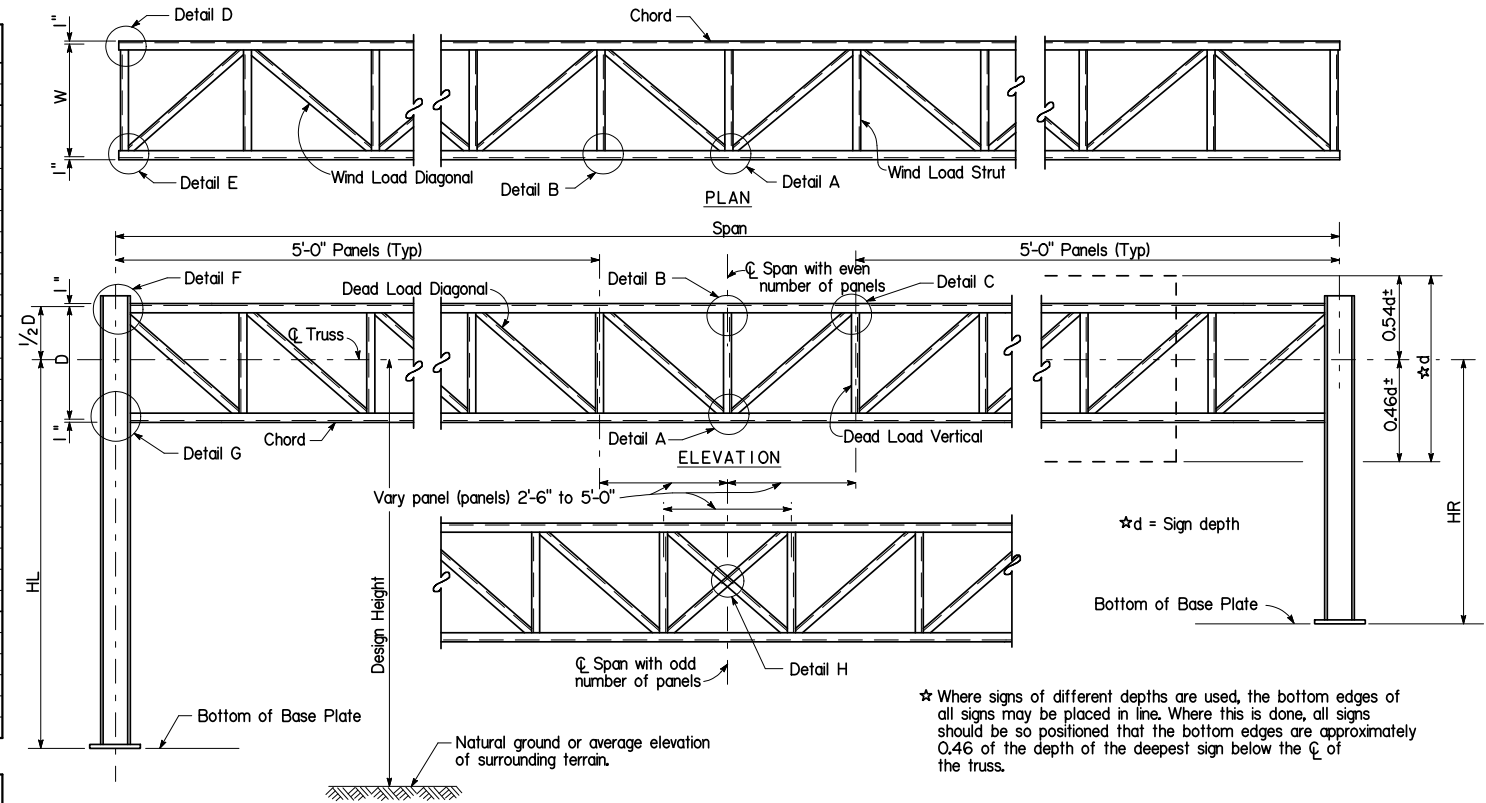


SPECIAL ZONE NO ICE (100 M.P.H.)

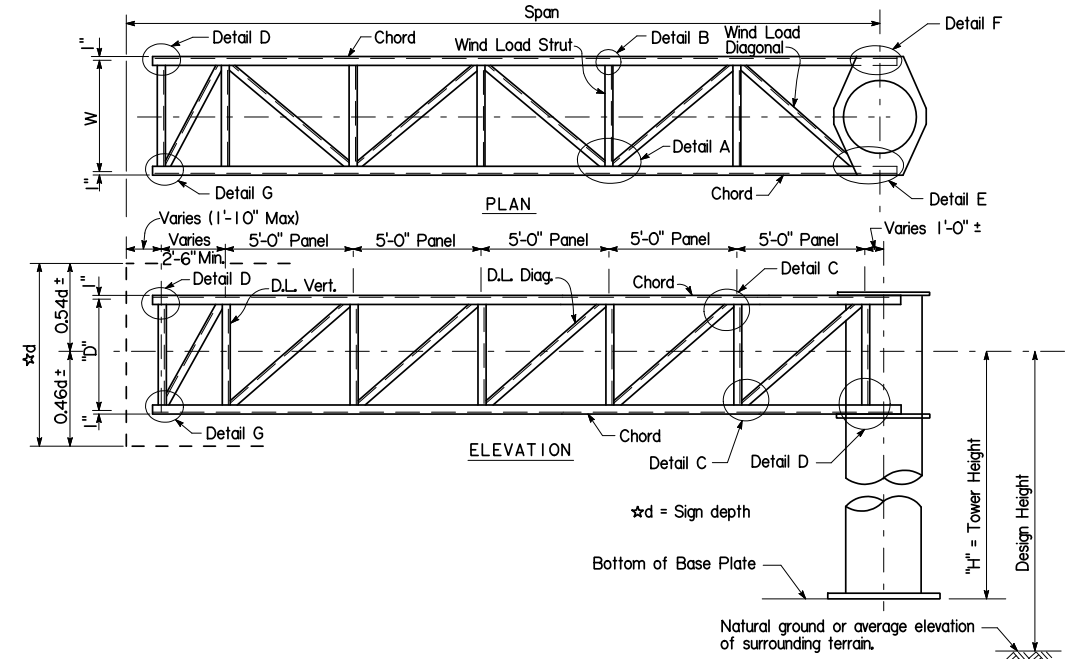
OSB STRUCTURES

STRUCTURE NO. AND STATION						
DESIGN HEIGHT, Hd (FEET)						
LENGTH OF SPAN (FEET)						
W x D & SIZE H.S. BOLTS		x @ Ø H.S. BOLTS	x @ Ø H.S. BOLTS	x @ Ø H.S. BOLTS		
LENGTH OF TRUSS PANELS		5.0' @ CENTER PANEL (S) @	5.0' @ CENTER PANEL (S) @	5.0' @ CENTER PANEL (S) @		
TRUSS DETAILS						
CHORD						
DEAD LOAD DIAGONAL						
WIND LOAD DIAGONAL						
DEAD LOAD VERTICAL						
WIND LOAD STRUT						
TRUSS D.L. & DEFL.		D.L. = #/FT. Δ = "	D.L. = #/FT. Δ = "	D.L. = #/FT. Δ = "		
TOWER DETAILS						
COLUMN SPACING		LEFT TOWER	RIGHT TOWER	LEFT TOWER	RIGHT TOWER	
TOWER HEIGHT		HL =	HR =	HL =	HR =	
COLUMN SIZE		W x	W x	W x	W x	
FOUNDATION						
SOIL (SAND OR CLAY) & "N"						
SIZE & LENGTH OF DR. SHAFT						
DRILLED SHAFT REINFORCING						
SPIRAL REINFORCING						



COSS STRUCTURES

STRUCTURE NO. AND STATION						
DESIGN HEIGHT, Hd (FEET)						
LENGTH OF SPAN (FEET)						
W x D & SIZE H.S. BOLTS		x @ Ø H.S. BOLTS	x @ H.S. BOLTS	x @ H.S. BOLTS		
LENGTH OF TRUSS PANELS		END= OTHER=	END= OTHER=	END= OTHER=		
CHORD		L x x (H.S. 50)	L x x (H.S. 50)	L x x (H.S. 50)		
DEAD LOAD DIAGONAL		L x x	L x x	L x x		
WIND LOAD DIAGONAL		L x x	L x x	L x x		
DEAD LOAD VERTICAL		L x x	L x x	L x x		
WIND LOAD STRUT		L x x	L x x	L x x		
TRUSS D.L. & DEFL.		D.L. = #/FT., Δv =	D.L. = #/FT., Δv =	D.L. = #/FT., Δv =		
TOWER DETAILS						
TOWER HEIGHT AT TRUSS C		DIA. = THICK. =	DIA. = THICK. =	DIA. = THICK. =		
TOWER PIPE DIA. & WALL THICKNESS						
TOWER PIPE ΔH AT C TRUSS						
NO. & SIZE OF ANCHOR BOLTS		x Ø	x Ø	x Ø		
ANCHOR BOLT CIRCLE DIA.						
BASE PLATE SIZE		Ø x	Ø x	Ø x		
TRUSS TO TOWER CONNECTION BOLTS		Ø HS BOLTS	Ø HS BOLTS	Ø HS BOLTS		
DESIGN LOADS						
SHEAR (KIPS)						
TORSION (FT. - KIPS)						
MOMENT (FT. - KIPS)						
FOUNDATION						
SOIL (SAND OR CLAY) & "N"		"N" =	"N" =	"N" =		
SIZE & LENGTH OF DR. SHAFT		DIA x O.A.L.	DIA x O.A.L.	DIA x O.A.L.		
DRILLED SHAFT REINFORCING		#	#	#		
SPIRAL REINFORCING		# @ PITCH	# @ PITCH	# @ PITCH		



GENERAL NOTES:

Use tower details, truss to tower connection, and foundation details, shown on sheets OSBT, OSBC, COSSD and COSSF.  
 Dimensions and connections should be determined using member size or combination of members shown on this sheet.  
 Number of high strength bolts required in truss connection or splice are indicated thus (3) after the member size.  
 Design of truss includes 3#/S.F. for sign panel and 20#/Lin. Foot for lights and 50#/Lin. Foot for walkway, all placed as specified for the design sign panel.



OVERHEAD SIGN STRUCTURE DETAILS (SPECIAL ZONE)

COSS & OSB-SZ-96

FILE#	DN#	CK#	DW#	CK#
© TxDOT 1998	DIST	FED REG	PROJECT NO.	SHEET
REVISIONS	HOU	6		
	COUNTY	CONTROL	SECT	JOB
				HIGHWAY