DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

May 1, 2006
PLANS APPROVAL DATE

Jeffrey B. Woody
No. C41260
Exp. 3-31-07
CIVIL
STATE OF CALIFORNIA

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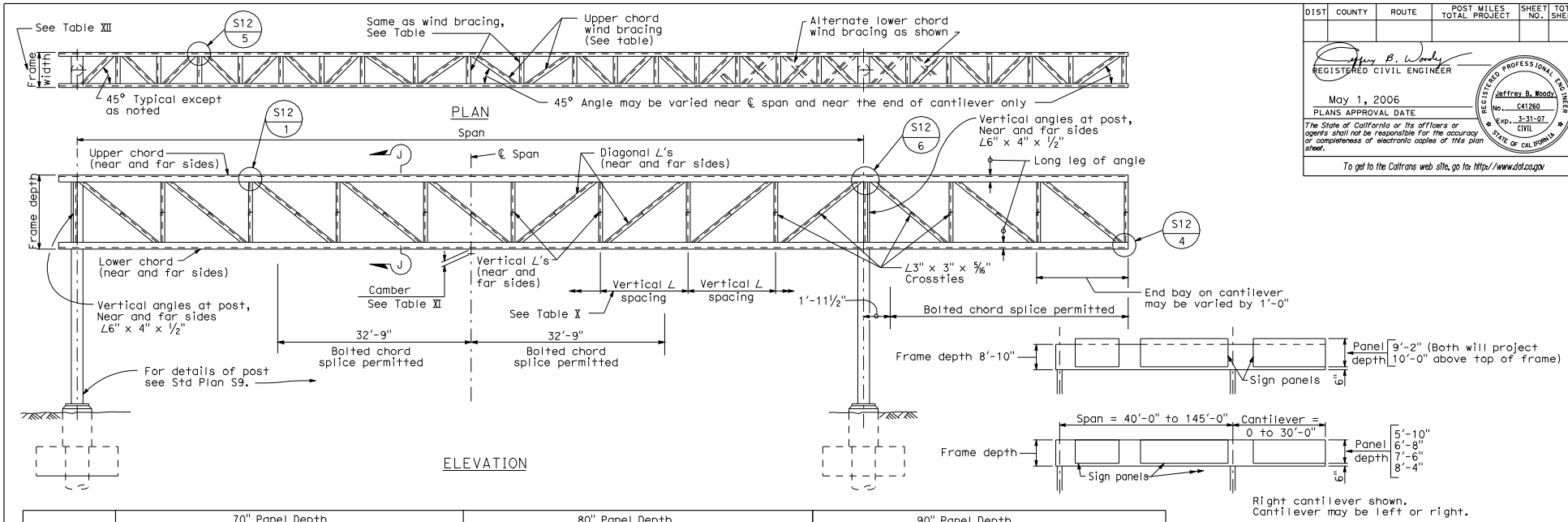

RANGE OF STRUCTURE SIZES

Span	70" Panel Depth					80" Panel Depth					90" Panel Depth				
	Frame Width	Chord ∠'s	Vertical ∠'s	Diagonal ∠'s	Wind Bracing ∠'s	Frame Width	Chord ∠'s	Vertical ∠'s	Diagonal ∠'s	Wind Bracing ∠'s	Frame Width	Chord ∠'s	Vertical ∠'s	Diagonal ∠'s	Wind Bracing ∠'s
40'-0"-50'-0"	3'-0"	5"x3 1/2"x3/8"	3 1/2"x3 1/2"x5/16"	3 1/2"x3 1/2"x5/16"	2 1/2"x2 1/2"x1/4"	3'-0"	5"x3 1/2"x3/8"	3 1/2"x3 1/2"x5/16"	3 1/2"x3 1/2"x5/16"	2 1/2"x2 1/2"x1/4"	3'-0"	5"x3 1/2"x3/8"	3 1/2"x3 1/2"x5/16"	3 1/2"x3 1/2"x5/16"	2 1/2"x2 1/2"x1/4"
51'-0"-60'-0"		5"x3 1/2"x3/8"					5"x3 1/2"x3/8"					5"x3 1/2"x3/8"			
61'-0"-70'-0"		5"x3 1/2"x3/8"					5"x3 1/2"x3/8"					5"x3 1/2"x3/8"			
71'-0"-80'-0"		6"x4"x1/2"					6"x4"x1/2"					6"x4"x1/2"			
81'-0"-90'-0"		6"x4"x1/2"					6"x4"x1/2"					6"x4"x1/2"			
91'-0"-100'-0"		6"x4"x1/2"					6"x4"x1/2"					6"x4"x1/2"			
101'-0"-110'-0"		8"x4"x3/4"					8"x4"x3/4"					8"x4"x3/4"			3"x3"x3/8"
111'-0"-120'-0"															
121'-0"-130'-0"											3'-6"				
131'-0"-145'-0"															

TABLE X

Panel Depth	Frame Depth	Max Vertical ∠ Spacing
70"	6'-4"	6'-0"
80"	7'-2"	6'-0"
90"	8'-0"	7'-6"
100"	8'-10"	
110"	8'-10"	
120"	8'-10"	

Camber For Fabrication At ℄ Span	
Span	Camber
40'-0" - 50'-0"	1 1/16"
51'-0" - 100'-0"	2 1/8"
101'-0" - 145'-0"	3 1/4"

Camber to approximate parabola. Camber of cantilever arm = 1/2" for arms greater than 10'-0"

TABLE XI

Span	100" Panel Depth					110" and 120" Panel Depth				
	Frame Width	Chord ∠'s	Vertical ∠'s	Diagonal ∠'s	Wind Bracing ∠'s	Frame Width	Chord ∠'s	Vertical ∠'s	Diagonal ∠'s	Wind Bracing ∠'s
40'-0"-50'-0"	3'-0"	5"x3 1/2"x3/8"	3 1/2"x3 1/2"x5/16"	3 1/2"x3 1/2"x5/16"	2 1/2"x2 1/2"x1/4"	3'-0"	5"x3 1/2"x3/8"	3 1/2"x3 1/2"x5/16"	3 1/2"x3 1/2"x5/16"	2 1/2"x2 1/2"x1/4"
51'-0"-60'-0"		5"x3 1/2"x3/8"					5"x3 1/2"x3/8"			2 1/2"x2 1/2"x1/4"
61'-0"-70'-0"		5"x3 1/2"x3/8"					5"x3 1/2"x3/8"			2 1/2"x2 1/2"x1/4"
71'-0"-80'-0"		6"x4"x1/2"					6"x4"x1/2"			3"x3"x3/8"
81'-0"-90'-0"		6"x4"x1/2"					6"x4"x1/2"			
91'-0"-100'-0"		6"x4"x1/2"				3'-6"	6"x4"x1/2"			
101'-0"-110'-0"	3'-6"	8"x4"x3/4"			3"x3"x3/8"		8"x4"x3/4"			
111'-0"-120'-0"							8"x4"x3/4"			
121'-0"-130'-0"							8"x4"x3/4"			
131'-0"-145'-0"							8"x6"x3/4"			

TABLE XII

Standard Plan Sheet No.
Detail No.

NOTES:

1. Frame widths shown are nominal. These widths may be varied by 1/4" to standardize fabrication methods.
2. Walkway brackets not shown. Locate first interior bracket 2'-8" Max from ℄ of post.
3. For Section J-J, See Std Plan S12.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGNS-TRUSS TWO POST TYPE STRUCTURAL FRAME MEMBERS

NO SCALE

S11

2006 STANDARD PLAN S11

1-4-06