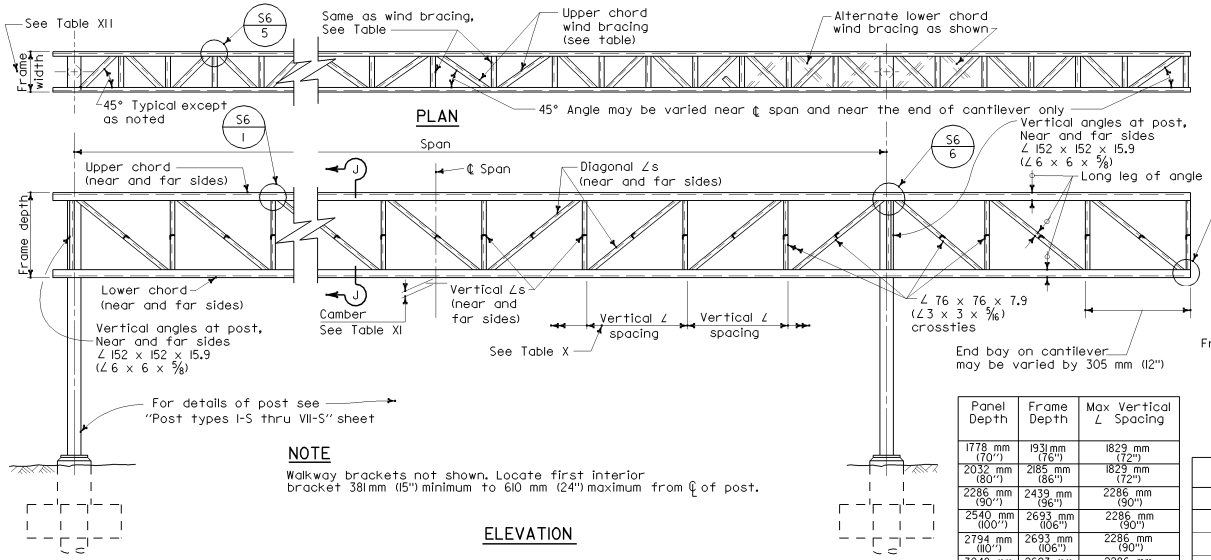
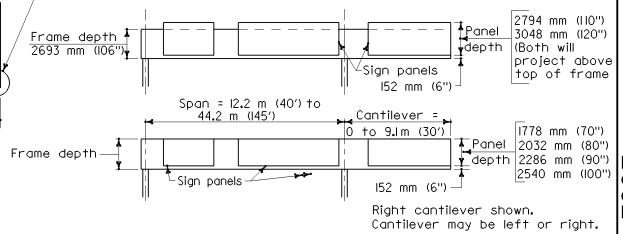


NOTE

Walkway brackets not shown. Locate first interior bracket 381 mm (15") minimum to 610 mm (24") maximum from ℄ of post.

ELEVATION



RANGE OF STRUCTURE SIZES

Panel Depth	Frame Depth	Max Vertical ∠ Spacing
1778 mm (70")	1931 mm (76")	1829 mm (72")
2032 mm (80")	2185 mm (86")	1829 mm (72")
2286 mm (90")	2439 mm (96")	2286 mm (90")
2540 mm (100")	2693 mm (106")	2286 mm (90")
2794 mm (110")	2693 mm (106")	2286 mm (90")
3048 mm (120")	2693 mm (106")	2286 mm (90")

TABLE X

Camber For Fabrication At ℄ Span	
Span	Camber
12.19 m-15.24 m (40'-50')	27 mm (1 1/16")
15.25 m-30.48 m (51'-100')	54 mm (2 1/8")
30.49 m-44.20 m (101'-145')	83 mm (3 1/4")

Camber to approximate parabola.
Camber of cantilever arm = +13 mm (1/2") for arms greater than 3.05 m (10')

TABLE XI

Span	1778 mm (70") Panel Depth					2032 mm (80") Panel Depth					2286 mm (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
12.2m-15.4m (40'-50')	915 mm (36")	127mm×89mm×9.5mm (5"×3 1/2"×3/8")	89mm×89mm×7.9mm (3 1/2"×3 1/2"×5/16")	89mm×89mm×7.9mm (3 1/2"×3 1/2"×5/16")	64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")	915 mm (36")	127mm×89mm×9.5mm (5"×3 1/2"×3/8")	89mm×89mm×7.9mm (3 1/2"×3 1/2"×5/16")	89mm×89mm×7.9mm (3 1/2"×3 1/2"×5/16")	64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")	915 mm (36")	127mm×89mm×9.5mm (5"×3 1/2"×3/8")	89mm×89mm×7.9mm (3 1/2"×3 1/2"×5/16")	89mm×89mm×7.9mm (3 1/2"×3 1/2"×5/16")	64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")
15.5m-18.5m (51'-60')	915 mm (36")	127mm×89mm×9.5mm (5"×3 1/2"×3/8")			64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")	915 mm (36")	127mm×89mm×9.5mm (5"×3 1/2"×3/8")			64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")	915 mm (36")	127mm×89mm×9.5mm (5"×3 1/2"×3/8")			64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")
18.6m-21.5m (61'-70')	915 mm (36")	127mm×89mm×9.5mm (5"×3 1/2"×3/8")			64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")	915 mm (36")	127mm×89mm×9.5mm (5"×3 1/2"×3/8")			64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")	915 mm (36")	127mm×89mm×9.5mm (5"×3 1/2"×3/8")			64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")
21.6m-24.6m (71'-80')	915 mm (36")	152mm×102mm×12.7mm (6"×4"×1/2")			64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")	915 mm (36")	152mm×102mm×12.7mm (6"×4"×1/2")			64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")	915 mm (36")	152mm×102mm×12.7mm (6"×4"×1/2")			64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")
24.7m-27.6m (81'-90')	915 mm (36")	152mm×102mm×12.7mm (6"×4"×1/2")			64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")	915 mm (36")	152mm×102mm×12.7mm (6"×4"×1/2")			64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")	915 mm (36")	152mm×102mm×12.7mm (6"×4"×1/2")			64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")
27.7m-30.7m (91'-100')	915 mm (36")	152mm×102mm×12.7mm (6"×4"×1/2")			64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")	915 mm (36")	152mm×102mm×12.7mm (6"×4"×1/2")			64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")	915 mm (36")	152mm×102mm×12.7mm (6"×4"×1/2")			64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")
30.8m-33.7m (101'-110')	915 mm (36")	203mm×102mm×19.0mm (8"×4"×3/4")			64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")	915 mm (36")	203mm×102mm×19.0mm (8"×4"×3/4")			64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")	915 mm (36")	203mm×102mm×19.0mm (8"×4"×3/4")			76mm×76mm×9.5mm (3"×3"×3/8")
33.8m-36.8m (111'-120')	915 mm (36")	203mm×102mm×19.0mm (8"×4"×3/4")			64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")	915 mm (36")	203mm×102mm×19.0mm (8"×4"×3/4")			64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")	915 mm (36")	203mm×102mm×19.0mm (8"×4"×3/4")			76mm×76mm×9.5mm (3"×3"×3/8")
36.9m-39.8m (121'-130')	915 mm (36")	203mm×102mm×19.0mm (8"×4"×3/4")			64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")	915 mm (36")	203mm×102mm×19.0mm (8"×4"×3/4")			64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")	1067 mm (42")	203mm×102mm×19.0mm (8"×4"×3/4")			76mm×76mm×9.5mm (3"×3"×3/8")
39.9m-44.2m (131'-145')	915 mm (36")	203mm×102mm×19.0mm (8"×4"×3/4")			64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")	915 mm (36")	203mm×102mm×19.0mm (8"×4"×3/4")			64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")	1067 mm (42")	203mm×102mm×19.0mm (8"×4"×3/4")			76mm×76mm×9.5mm (3"×3"×3/8")

Span	2540 mm (100") Panel Depth					2794 mm (110") and 3048 mm (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
12.2m-15.4m (40'-50')	915 mm (36")	127mm×89mm×9.5mm (5"×3 1/2"×3/8")	89mm×89mm×7.9mm (3 1/2"×3 1/2"×5/16")	89mm×89mm×7.9mm (3 1/2"×3 1/2"×5/16")	64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")	915 mm (36")	127mm×89mm×9.5mm (5"×3 1/2"×3/8")	89mm×89mm×7.9mm (3 1/2"×3 1/2"×5/16")	89mm×89mm×7.9mm (3 1/2"×3 1/2"×5/16")	64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")
15.5m-18.5m (51'-60')	915 mm (36")	127mm×89mm×9.5mm (5"×3 1/2"×3/8")			64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")	915 mm (36")	127mm×89mm×9.5mm (5"×3 1/2"×3/8")			64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")
18.6m-21.5m (61'-70')	915 mm (36")	127mm×89mm×9.5mm (5"×3 1/2"×3/8")			64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")	915 mm (36")	127mm×89mm×9.5mm (5"×3 1/2"×3/8")			64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")
21.6m-24.6m (71'-80')	915 mm (36")	152mm×102mm×12.7mm (6"×4"×1/2")			64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")	915 mm (36")	152mm×102mm×12.7mm (6"×4"×1/2")			76mm×76mm×9.5mm (3"×3"×3/8")
24.7m-27.6m (81'-90')	915 mm (36")	152mm×102mm×12.7mm (6"×4"×1/2")			64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")	915 mm (36")	152mm×102mm×12.7mm (6"×4"×1/2")			76mm×76mm×9.5mm (3"×3"×3/8")
27.7m-30.7m (91'-100')	915 mm (36")	152mm×102mm×12.7mm (6"×4"×1/2")			64mm×64mm×6.4mm (2 1/2"× 2 1/2"×1/4")	1067 mm (42")	152mm×102mm×12.7mm (6"×4"×1/2")			76mm×76mm×9.5mm (3"×3"×3/8")
30.8m-33.7m (101'-110')	1067 mm (42")	203mm×102mm×19.0mm (8"×4"×3/4")			76mm×76mm×9.5mm (3"×3"×3/8")	1067 mm (42")	203mm×102mm×19.0mm (8"×4"×3/4")			76mm×76mm×9.5mm (3"×3"×3/8")
33.8m-36.8m (111'-120')	1067 mm (42")	203mm×102mm×19.0mm (8"×4"×3/4")			76mm×76mm×9.5mm (3"×3"×3/8")	1067 mm (42")	203mm×102mm×19.0mm (8"×4"×3/4")			76mm×76mm×9.5mm (3"×3"×3/8")
36.9m-39.8m (121'-130')	1067 mm (42")	203mm×102mm×19.0mm (8"×4"×3/4")			76mm×76mm×9.5mm (3"×3"×3/8")	1067 mm (42")	203mm×102mm×19.0mm (8"×4"×3/4")			76mm×76mm×9.5mm (3"×3"×3/8")
39.9m-44.2m (131'-145')	1067 mm (42")	203mm×102mm×19.0mm (8"×4"×3/4")			76mm×76mm×9.5mm (3"×3"×3/8")	1067 mm (42")	203mm×102mm×19.0mm (8"×4"×3/4")			76mm×76mm×9.5mm (3"×3"×3/8")

TABLE XII

NOTES

Frame widths shown are nominal. These widths may be varied by 6 mm (1/4") to standardize fabrication methods.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGNS-TRUSS TWO POST TYPE STRUCTURAL FRAME MEMBERS

These "Standard Plans for Construction of Local Streets and Roads" contain units in two systems of measurement: International System of Units (SI or "metric") and United States Standard Measures shown in the parentheses ( ). The measurements expressed in the two systems are not necessarily equal or interchangeable. See the "Foreword" at the beginning of this publication.

NO SCALE

S5

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

REGISTERED CIVIL ENGINEER

July 1, 2002
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Jeffrey B. Woody No. C41260 EXP. 3-31-03 CIVIL STATE OF CALIFORNIA

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2002 DUAL UNITS STD PLAN S5

THIS STANDARD PLAN S5 INCLUDES CHANGES THAT WERE INCORPORATED IN REVISED STANDARD PLAN RSP S5, DATED OCTOBER 26, 2000, AND ISSUED AS A PART OF ERRATUM NO. 99-1 FOR THE 1999 METRIC STANDARD PLANS.