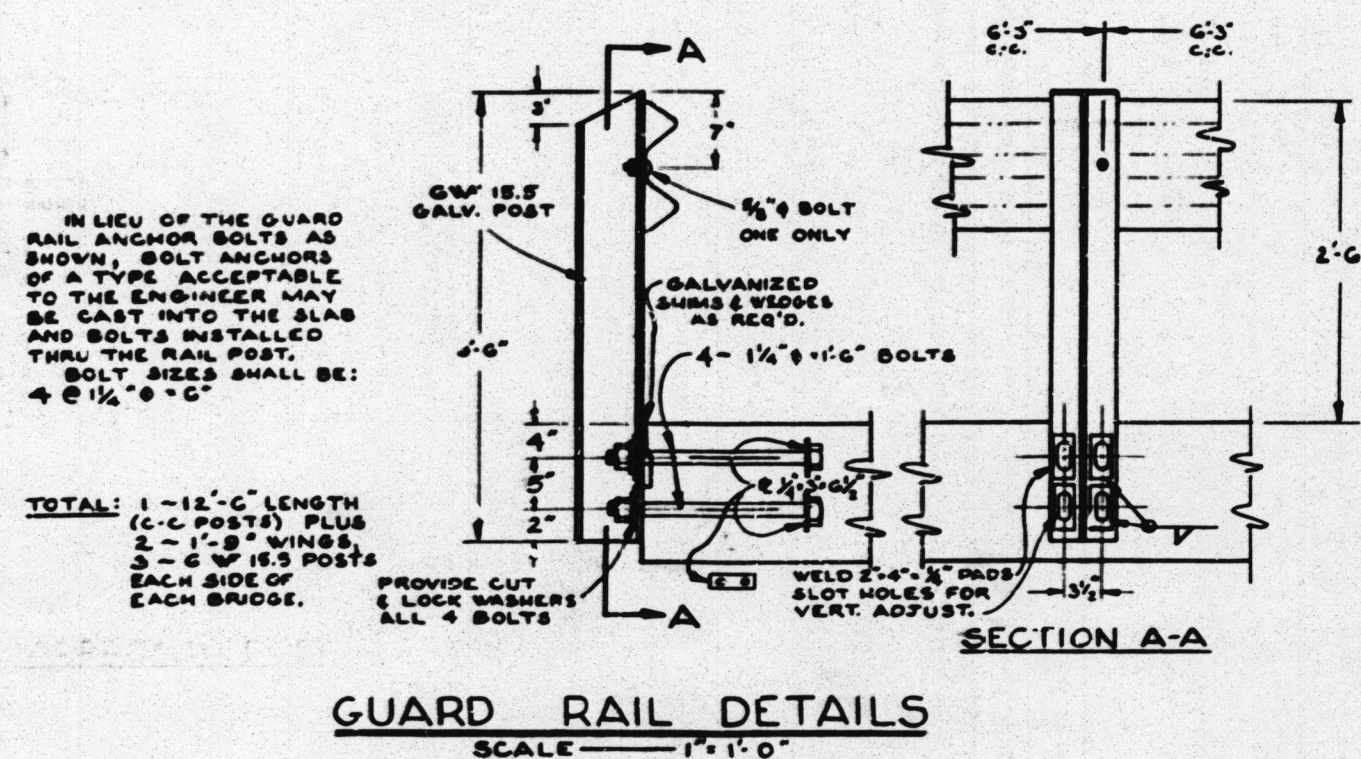
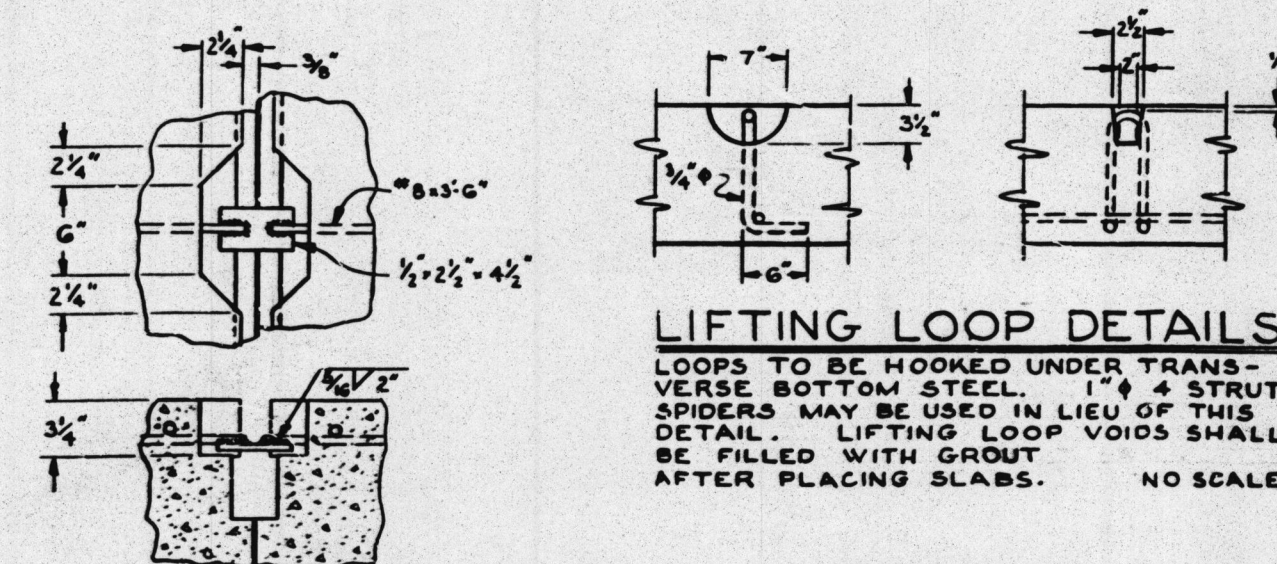
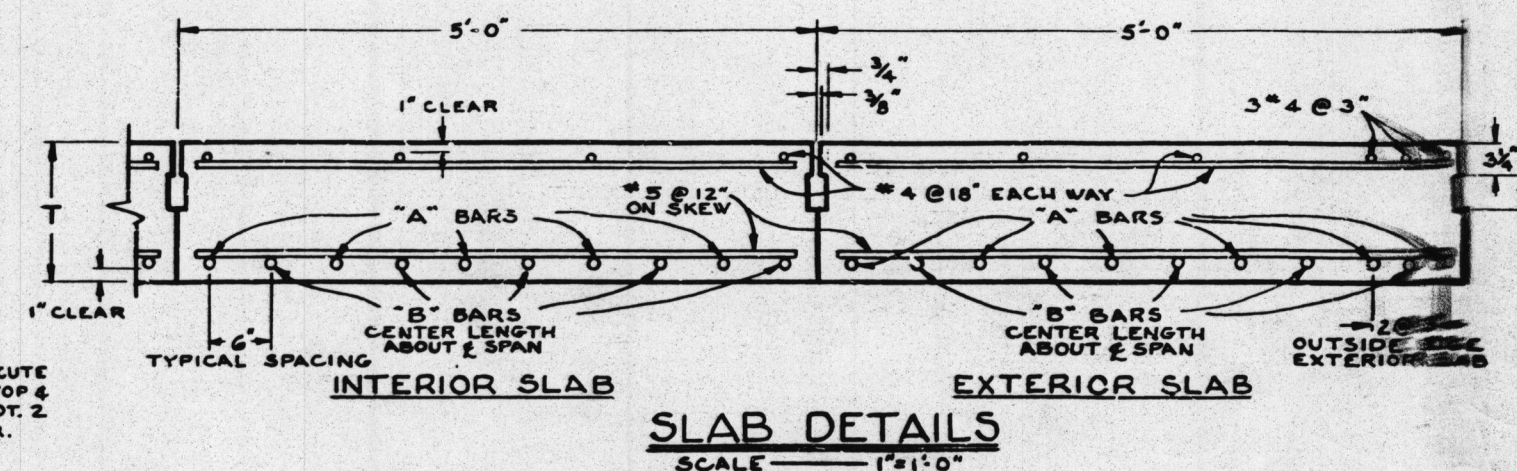
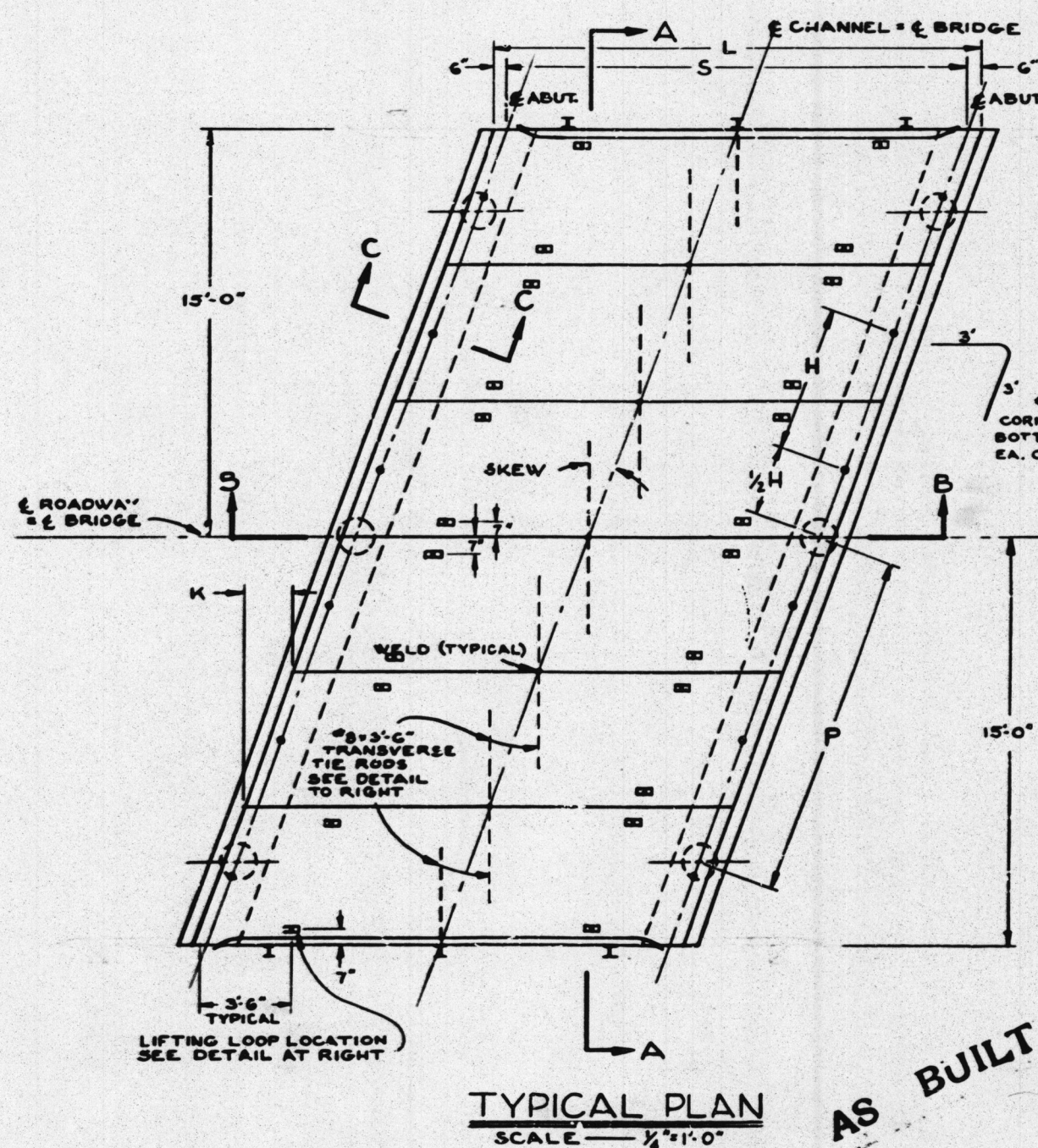
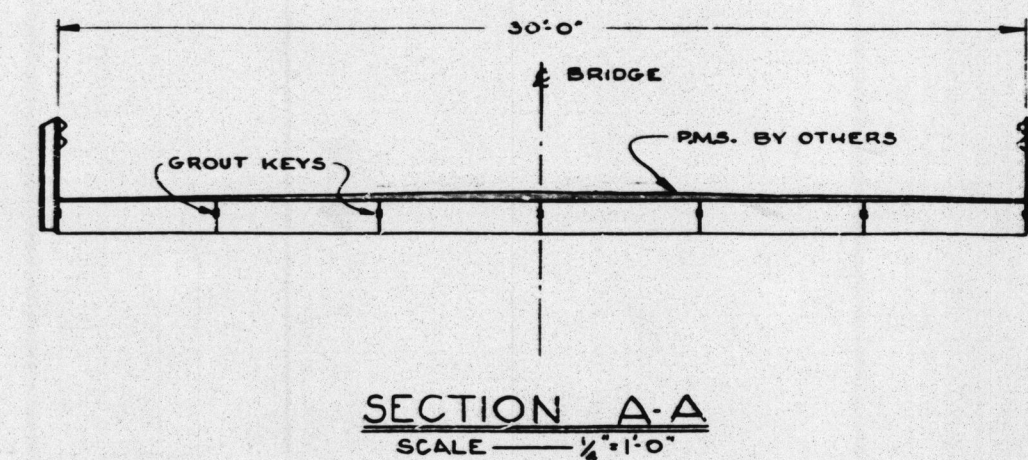
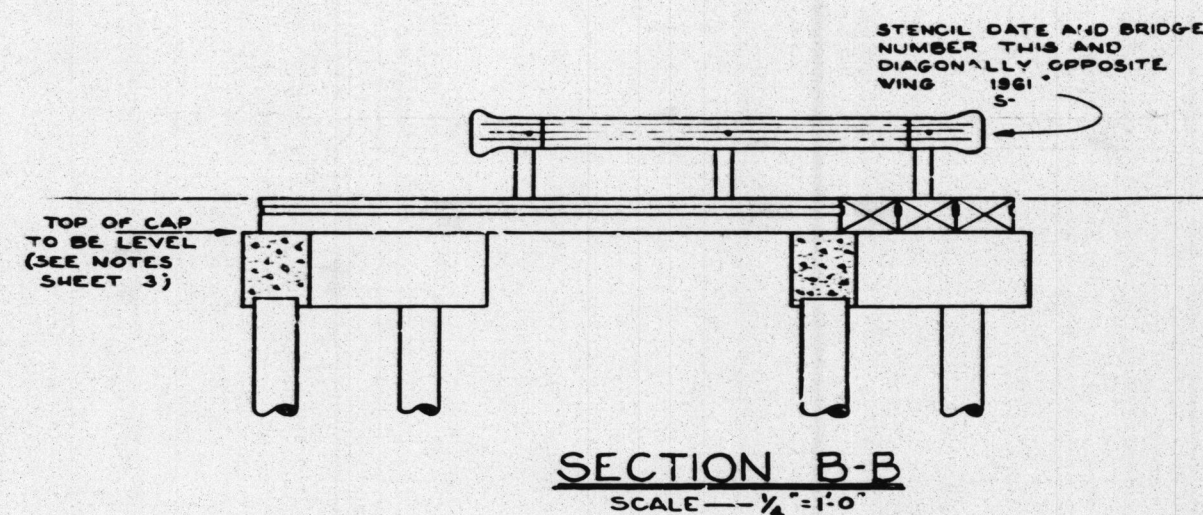
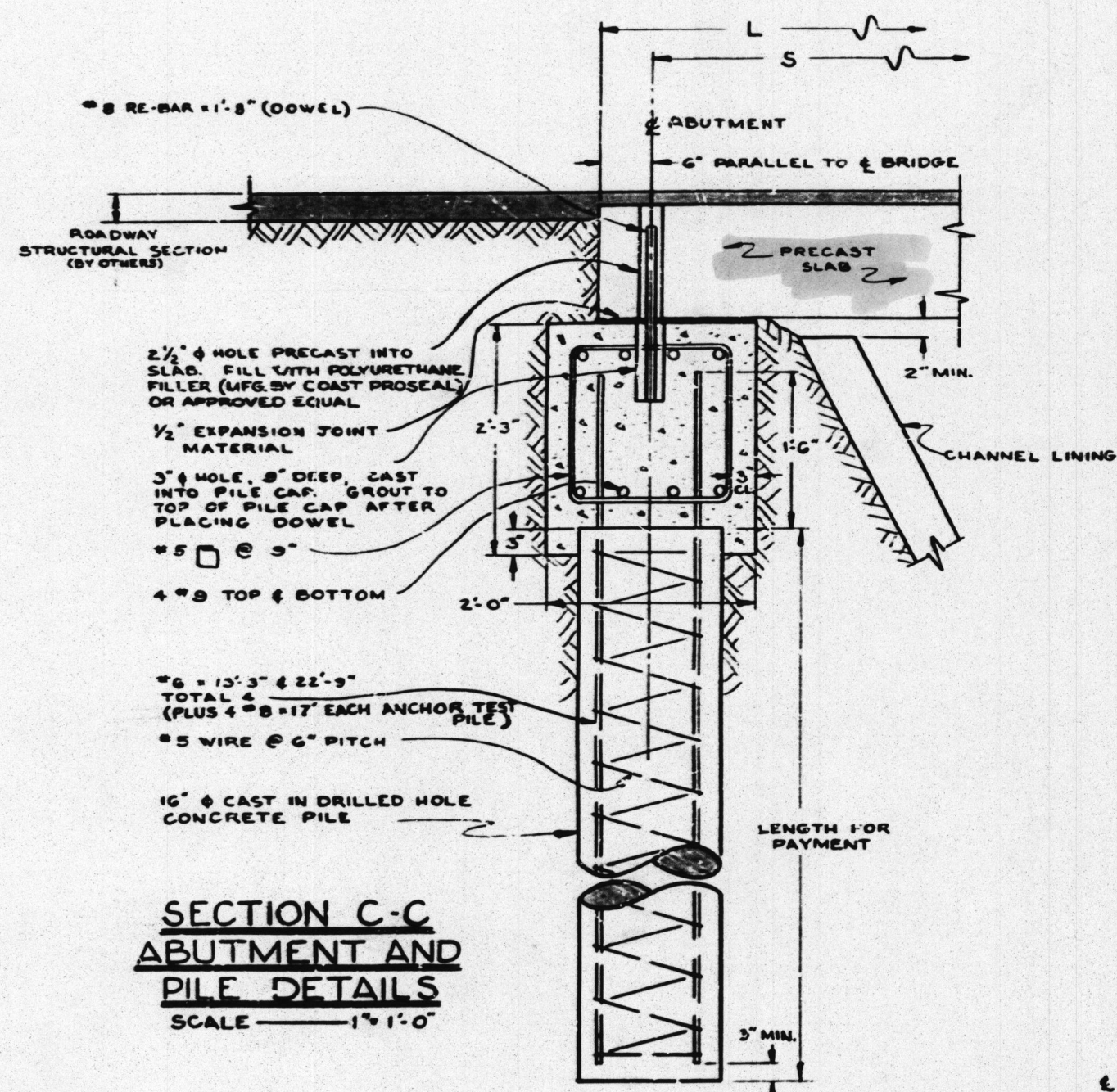




NOTES:

SPECIFICATIONS: STANDARD SPECIFICATIONS OF THE STATE OF CALIFORNIA, DEPT. OF PUBLIC WORKS, DIV. OF HIGHWAYS, DATED JAN, 1960, AND THE SPECIAL PROVISIONS.
 DESIGN L.L.: H20-S16-44 32" AXLE
 PILE BEARING: 32 TONS
 UNIT STRESSES: 22,000 psi 10 1,200 psi 20,000 psi
 REINFORCEMENT: EMBEDMENT TO BE 1" MIN. CLEAR IN SLAB, 3" MIN. CLEAR IN PILE CAP. LAP SPLICES 20 DIA. MIN.
 GROUT FOR KEYS, TIE VOIDS, & PILE CAP DOWELS TO BE MIN. ONE PART CEMENT TO THREE PARTS CLEAN SAND.

* PILE TESTS WILL BE MADE ON S-34. SEE SITE PLAN & SPECIAL PROVISIONS.

Bridges - 8-20, 8-34, 8-35, 8-43, 8-57, 8-90, 8-113
 Seven Bridges of Yorba Linda Area
 Sheet 4 of 4
 Red. Ratio 22.5:1
 Scale 1"=10'
 Pencil Sketch

ORANGE COUNTY HIGHWAY DEPARTMENT
 YORBA LINDA BRIDGES
 STRUCTURAL DETAILS
 SCALE AS SHOWN
 Sheet 4 of 4

BRIDGE NUMBER	SKEW	PILING SPACING	P LENGTH	H 3" HOLE SPACING	S SPAN, C.C. ABUT.	L PRECAST SLAB LENGTH	T SLAB THICKNESS	REINFORCEMENT 'A' BARS	'B' BARS	SLAB WEIGHT 5' WIDE	K SKEW OFFSET
S-35	29°-16'	13'-9"	12'-21"	5'-8 3/4"	17	18	12 3/4"	*8x17'-9"	*8x14'-6"	14,500*	2'-9 3/8"
S-43	7°-17'	12'-1"	21'-6"	5'-0 3/8"	15	16	12"	*8x15'-9"	*7x12'-9"	12,000*	0'-7 1/8"
S-87	14°-21'	12'-4"	12'	5'-1 1/8"	17	18	12 3/4"	*8x17'-9"	*8x14'-6"	14,500*	1'-3 3/8"
S-90	36°-17'	14'-10"	12'-21"	6'-2 1/8"							3'-8 1/8"
S-113	22°-03'	12'-11 1/2"	12'-17"	5'-4 3/4"	15	16	12"	*8x15'-9"	*7x12'-9"	12,000*	2'-0 1/8"
S-20	16°-35'	12'-6"	12'-6"	5'-2 3/4"	15 1/2	16 1/2	12 1/2 1/4"	*8x16'-9"	*2x18'-6"	12,000* 13,250*	1'-5 1/8"
S-34	16°-54'	12'-6 1/2" 4'-0"	12'-15"	5'-2 3/4"	16	17	12 1/4"	*8x16'-9"	*8x13'-6"	13,250*	1'-6 1/4"