



ELEVATION OF BEAM
(Showing reinforcement & dimensions)

SECTION A-A

SECTION B-B

90'-0" End-to-end beam
 3 1/2" 91-#3 G6 bars at 1'-0" cts.
 6 spa. at 6" = 3'-0"
 Spacing #4 G6 bars. Lap with G6 bars.
 60° min. angle of lift
 3'-0" 3'-3"
 4-#7 G6 bars full length of beam. Min. lap 3'-5". (4 Lengths)
 60° min. angle of lift
 Lifting loops
 1" cl.
 3/4" φ Threaded rods. Thread flush with bottom plate.
 1" x 1'-1" x 1'-10" (Pier)
 1" x 1'-4" x 1'-10" (Abut.)
 3/4" chamfer full length of beam, typ.
 15 Spaces at 6" = 7'-6"
 Spacing #3 G6 bars.
 2-#8 G6 bar assembly with threaded coupler splice at each end (Spans 2 and 4). Pier end only (Spans 1 and 5). (See sheet 22 of 41 for details).
 46 spa. at 6" = 23'-0"
 17 spa. at 12" = 17'-0"
 Spacing #4 G6 bars.
 1'-3" 6 spa. at 6" = 3'-0"
 6" = 23'-0"

Note A:
 Hex nuts (top and bottom) with lock washers (top). Only tighten sufficiently to compress lock washers.

3 spaces at 3" = 9"
 4-3/4" φ threaded dowel rods at 3" cts., Each Face.
 1" φ formed holes for perm. bracing
 ±12"
 3-3/4" φ inserts spaced to miss strands and bursting bars. See detail on sheet 14 of 41. (Abutment ends only) 12 beams
 Ferrule flared loop inserts for 6" drains, typ. 4 beams. See sheet 1 of 41 or location.
 2 strands
 10 strands
 Hold down points
 2 strands
 2 strands
 8 strands
 8 strands
 10 strands
 9 spa. at 2" = 18"

ELEVATION OF BEAM
(Showing prestressing steel)

SECTION C-C

BAR LIST ONE BEAM ONLY (SPANS 1 AND 5)

Bar	No.	Size	Length	Shape
G1	141	#4	10'-5"	U
G2	14	#4	8'-8"	U
G3	16	#7	25'-0"	U
G4	38	#3	4'-11"	U
G5	91	#3	3'-5"	U
G6	2	#8	6'-6"	U

BAR LIST ONE BEAM ONLY (SPANS 2 AND 4)

Bar	No.	Size	Length	Shape
G1	141	#4	10'-5"	U
G2	14	#4	8'-8"	U
G3	16	#7	25'-0"	U
G4	38	#3	4'-11"	U
G5	91	#3	3'-5"	U
G6	4	#8	6'-6"	U

Notes:
 See sheet 22 of 41 for additional details and Bill of Material.
 Required release strength, f'ci, shall be 5,000 psi.