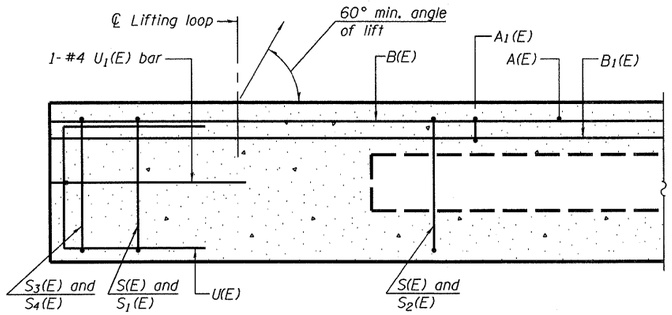
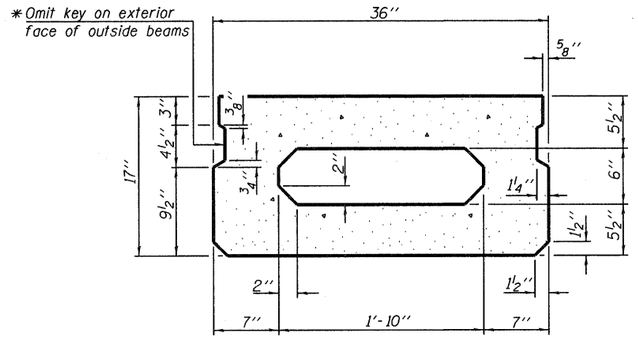
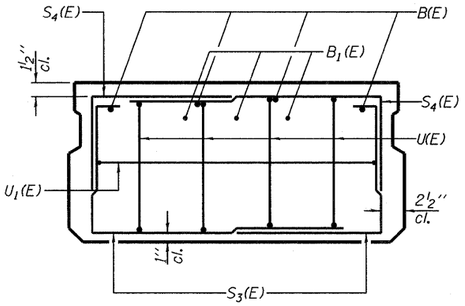



**SECTION A-A**

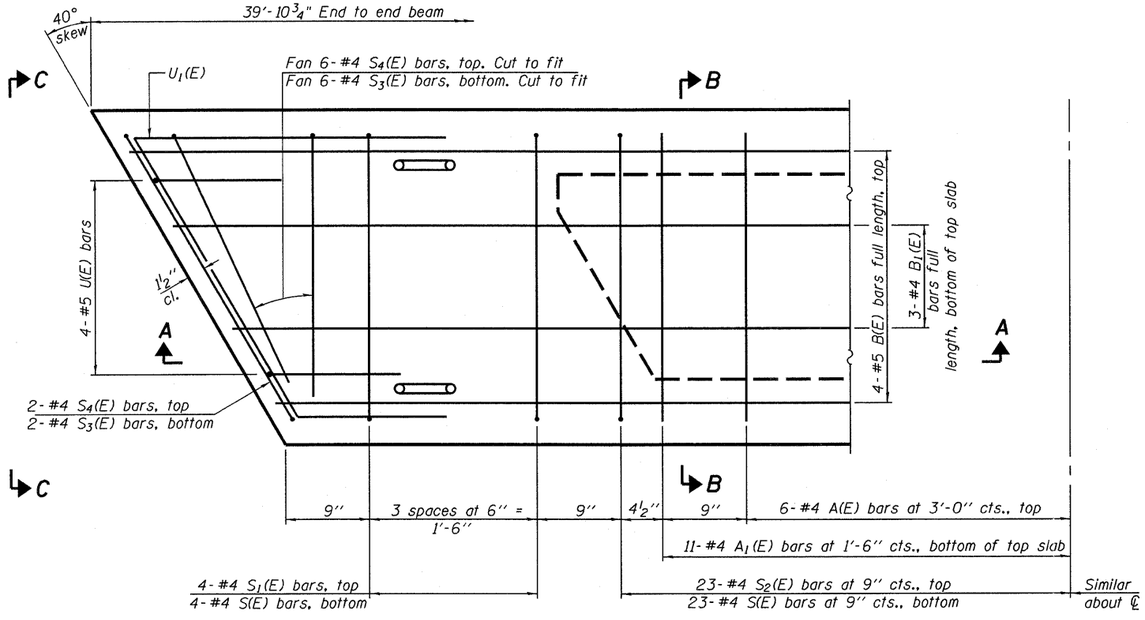



*Rail Post Anchor Devices Shall be Cast into Exterior Face of Outside Beams.

**SECTION B-B**
(Showing dimensions)

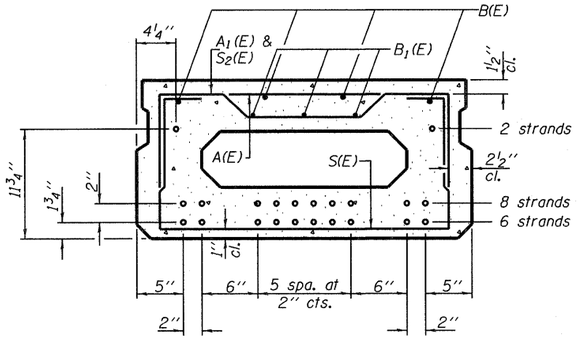



**VIEW C-C**




**PLAN VIEW**

Note: Spacing of S(E) and $S_2(E)$ bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.




**SECTION B-B**
(Showing reinforcement and permissible strand locations)

Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

**BAR LIST**
**ONE BEAM ONLY**
(For information only)

| Bar | No. | Size | Length | Shape |
|---|---|---|---|---|
| A(E) | 12 | #4 | 2'-7" | — |
| $A_1(E)$ | 22 | #4 | 2'-10" | ⌇ |
| B(E) | 4 | #5 | 39'-6" | — |
| $B_1(E)$ | 3 | #4 | 39'-6" | — |
| S(E) | 54 | #4 | 5'-9" | ⊏ |
| $S_1(E)$ | 8 | #4 | 4'-3" | ⊐ |
| $S_2(E)$ | 46 | #4 | 4'-6" | ⊐ |
| $S_3(E)$ | 16 | #4 | 4'-11" | ⌊ |
| $S_4(E)$ | 16 | #4 | 4'-2" | ⌊ |
| U(E) | 8 | #5 | 3'-8" | ⊏ |
| $U_1(E)$ | 2 | #4 | 7'-10" | ⌇ |

Note: See sheet 4 of 10 for additional details and Bill of Material.

**MINIMUM BAR LAP**
#4 bar = 2'-0"
#5 bar = 2'-6"

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
3100 CONSTITUTION DRIVE
SPRINGFIELD, ILLINOIS 62711-7007
PROFESSIONAL DESIGN FIRM 184-001079
PROFESSIONAL & STRUCTURAL ENGINEERING CORPORATION
(217) 793-8814, (217) 793-3207 (FAX) - e-mail - mail@greenebradford.com

PD-1736-R 7-1-10

| | | | | | |
|---|---|---|---|---|---|
| FILE NAME = J:\09029\CADD\CADsheets\SN 011-3417\0804118-09029-Sht-Span 2.dgn | USER NAME = amandah | DESIGNED - NIEWINSKI | REVISED - AH 4/20/11 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | 17" x 36" PPC DECK BEAM SPAN 2 STRUCTURE NO. 011-3417 |
| | PLOT SCALE = 0.2.0000 '/ / in. | CHECKED - TRELLO | REVISED - | | SHEET NO. 3 OF 10 SHEETS |
| | PLOT DATE = 5/3/2011 | DRAWN - VERENSKI | REVISED - | | |
| | | CHECKED - TRELLO | REVISED - | | |

| T.R. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 307A | 08-04118-00-BR | CHRISTIAN | 26 | 11 |
| | | CONTRACT NO. 93567 | | |
| | ILLINOIS FED. AID PROJECT: BROS-0021 (178) | | | |

PLOT DRIVER = V8i_PDF.pltcfg