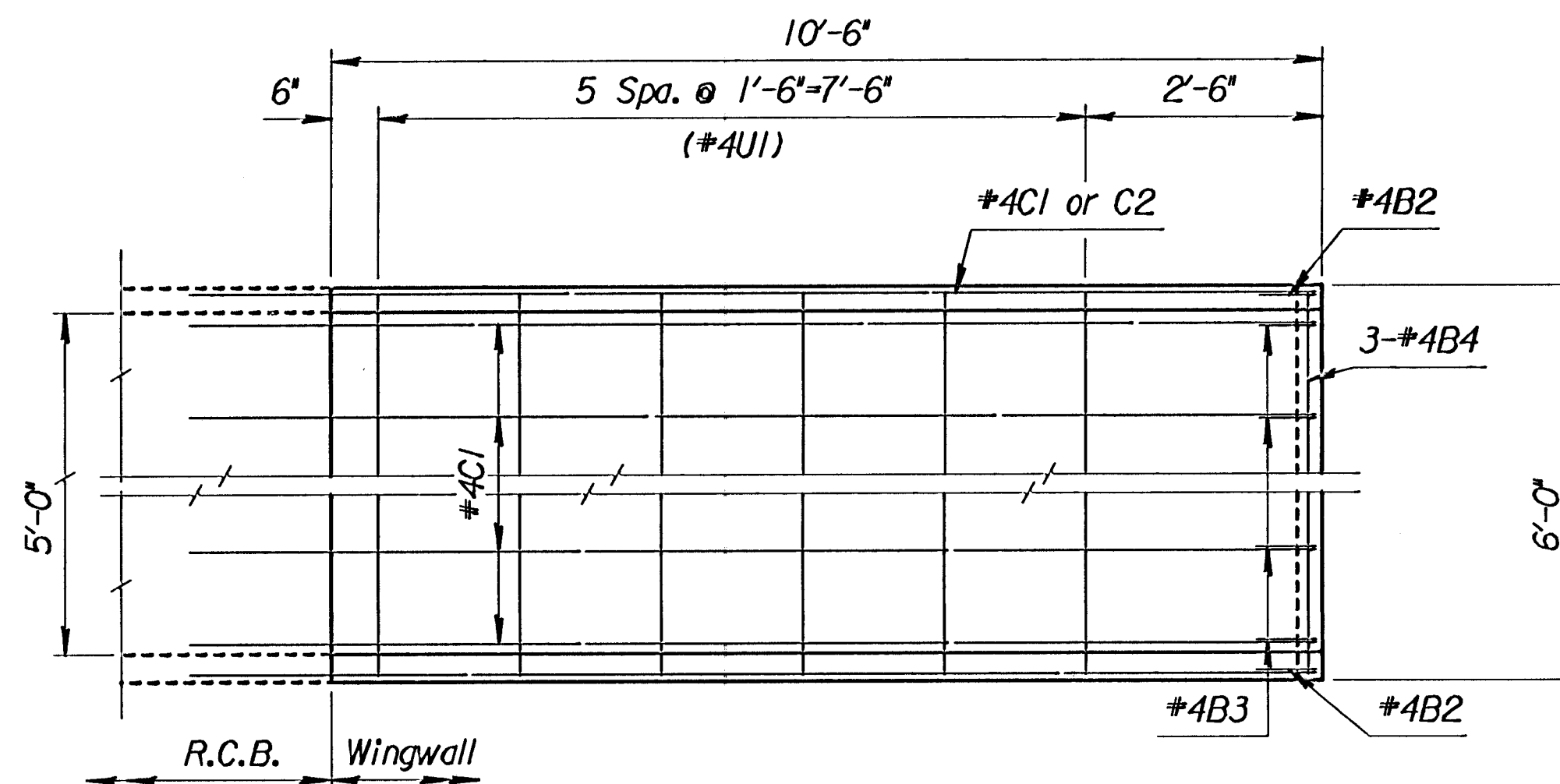
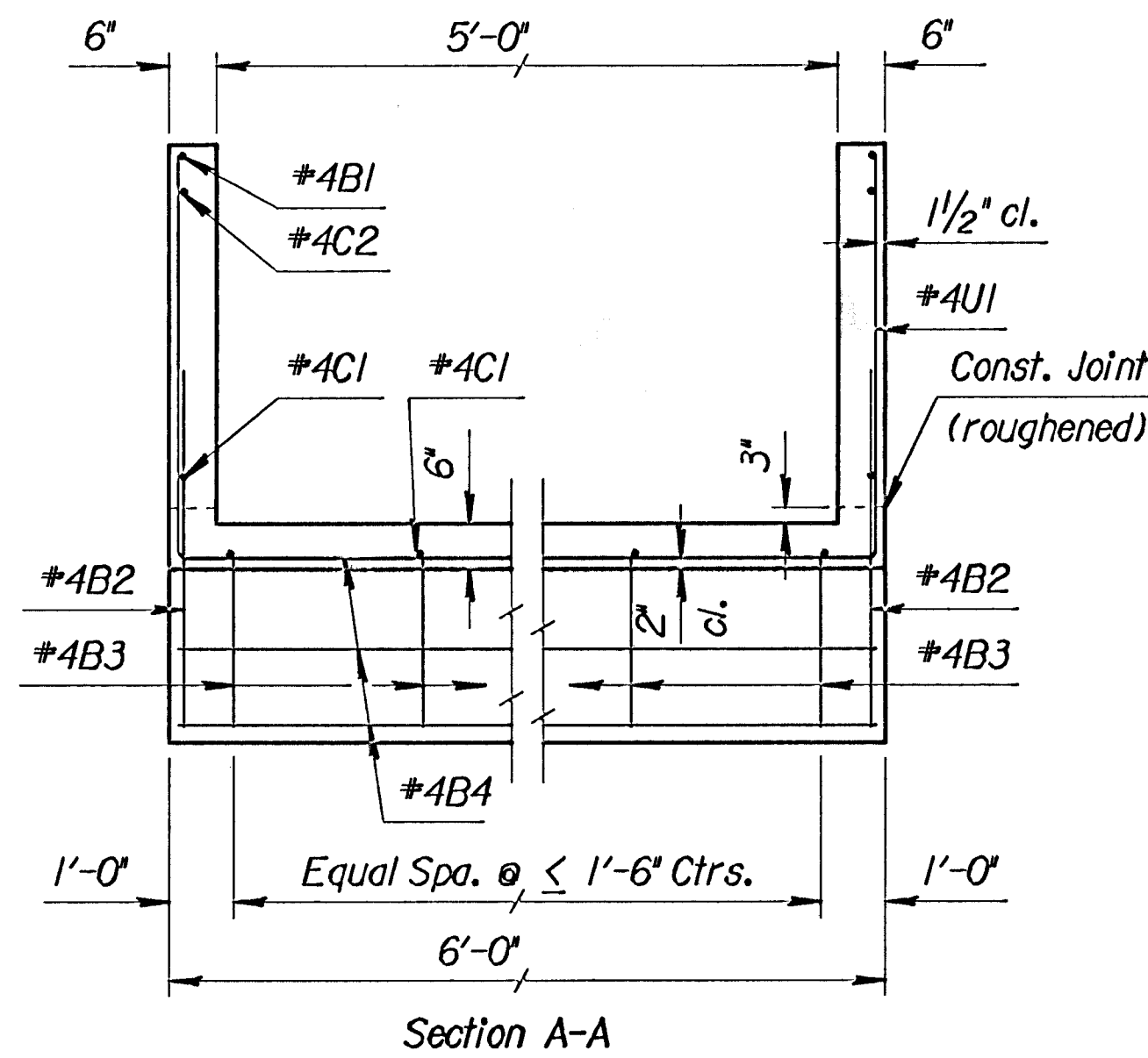
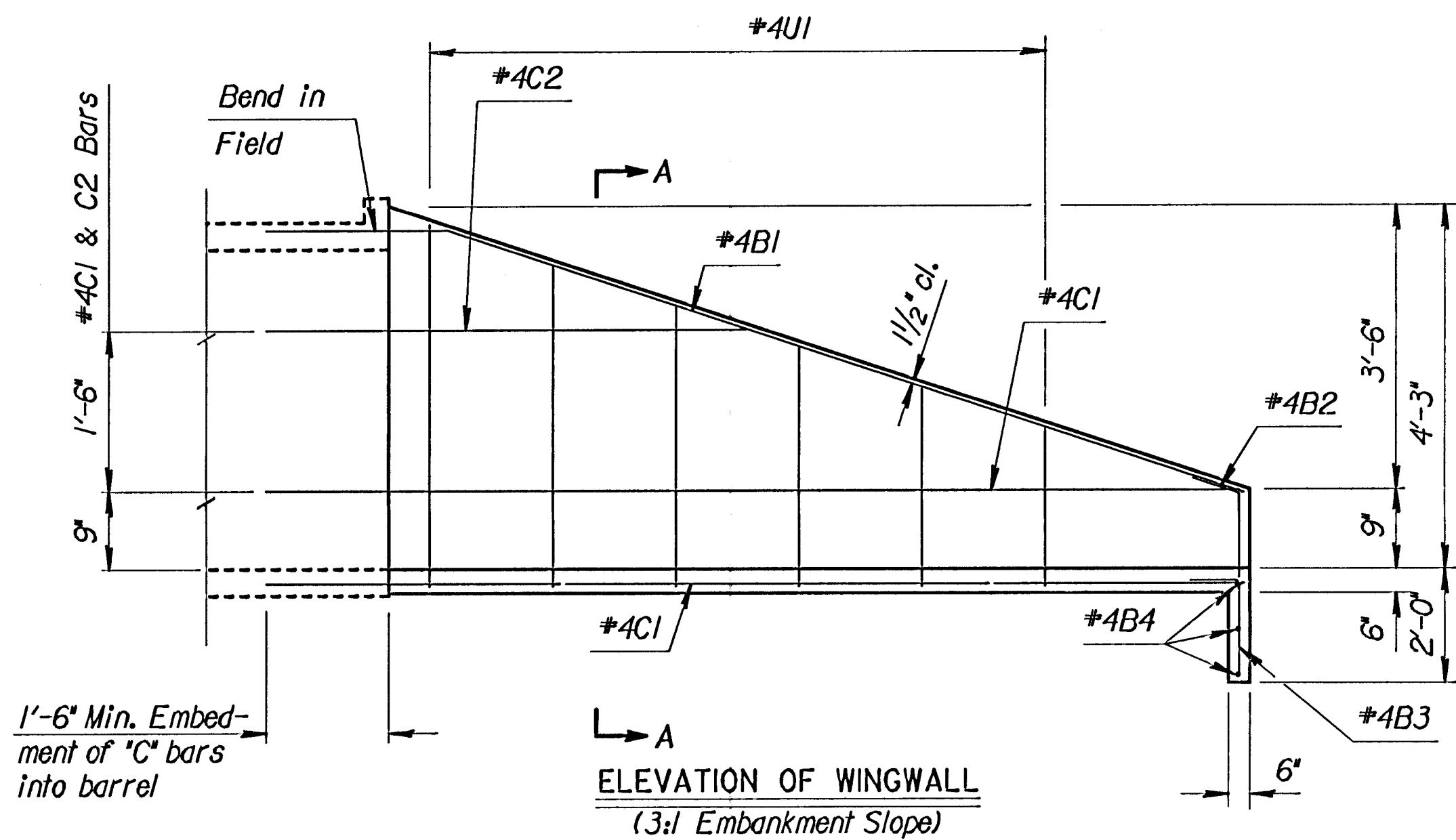


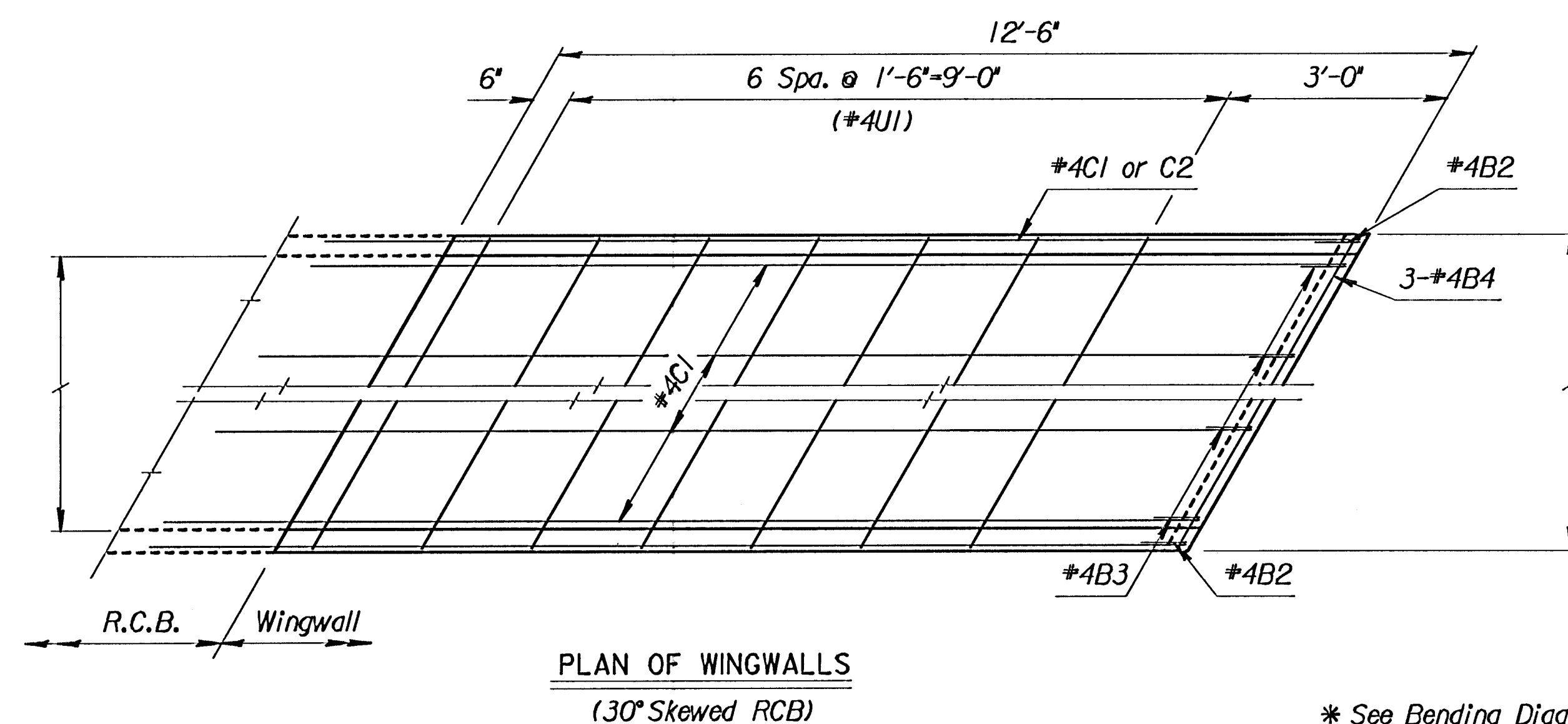
VERSION: 5.1.0 COMPILED: 02/09/99

| NO. | FROM       | BY   | DATE | NO. | FROM       | BY   | DATE |
|-----|------------|------|------|-----|------------|------|------|
| 1   | DESIGN     | DATE |      | 1   | DESIGN     | DATE |      |
| 2   | DETAIL     | DATE |      | 2   | DETAIL     | DATE |      |
| 3   | QUANTITIES | DATE |      | 3   | QUANTITIES | DATE |      |
| 4   | REVISIONS  | DATE |      | 4   | REVISIONS  | DATE |      |

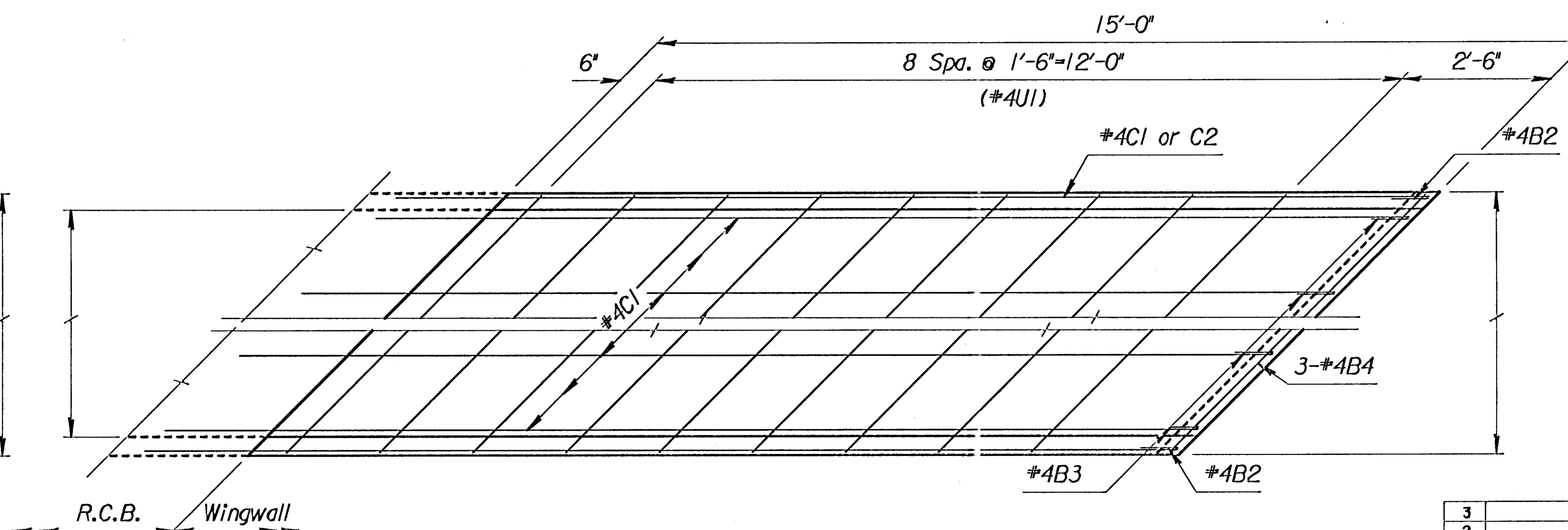
|          |              |                   |       |       |
|----------|--------------|-------------------|-------|-------|
| thorrell | F:\1b53x.dgn | 05-JUN-2001 15:58 | View= | PLOT2 |
|----------|--------------|-------------------|-------|-------|



NOTE:  
Wingwall floor and toewall shall be constructed with the RCB floor.  
Wingwalls to be constructed with RCB walls.



\* See Bending Diagram



PLAN OF WINGWALLS  
(45° Skewed RCB)

| WINGWALL QUANTITIES<br>(One End Only) |             |
|---------------------------------------|-------------|
| Class AAA Concrete                    | 2.31 CY.    |
| Reinforcing Steel                     | 145.23 Lbs. |

Quantities listed are included in the Summary of Quantities shown on the RCB.

| NOTE: Reinforcing Bar List is for both wings at one end of box only. | #4 B1 |        | #4 B2 * |        | #4 B3 * |        | #4 B4 |        | #4C1 |        | #4C2 |        | #4U1 * |        |
|----------------------------------------------------------------------|-------|--------|---------|--------|---------|--------|-------|--------|------|--------|------|--------|--------|--------|
|                                                                      | No.   | Length | No.     | Length | No.     | Length | No.   | Length | No.  | Length | No.  | Length | No.    | Length |
| 0° Skew                                                              | 2     | 12'-6" | 2       | 3'-11" | 4       | 3'-0"  | 3     | 5'-7"  | 0    |        | 6    | 1'-10" | 2      | 7'-2"  |

| FHWA REGION NO. | STATE  | PROJECT NO. | YEAR | SHEET NO. | TOTAL SHEETS |
|-----------------|--------|-------------|------|-----------|--------------|
| 7               | KANSAS |             | 19   | 11        | 46           |

#### GENERAL NOTES

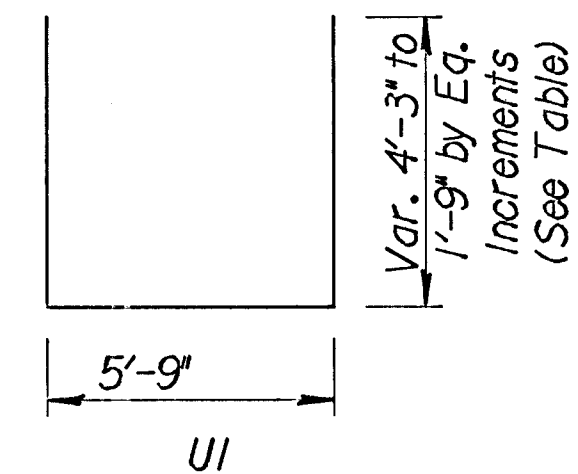
UNIT STRESSES: Class AAA Concrete;  $f'_c = 4,000$  p.s.i.  
Reinforcing Steel;  $f_y = 60,000$  p.s.i.

CONCRETE: Class AAA Concrete shall be used throughout. Bevel all exposed edges with a 3/4 inch triangular moulding.

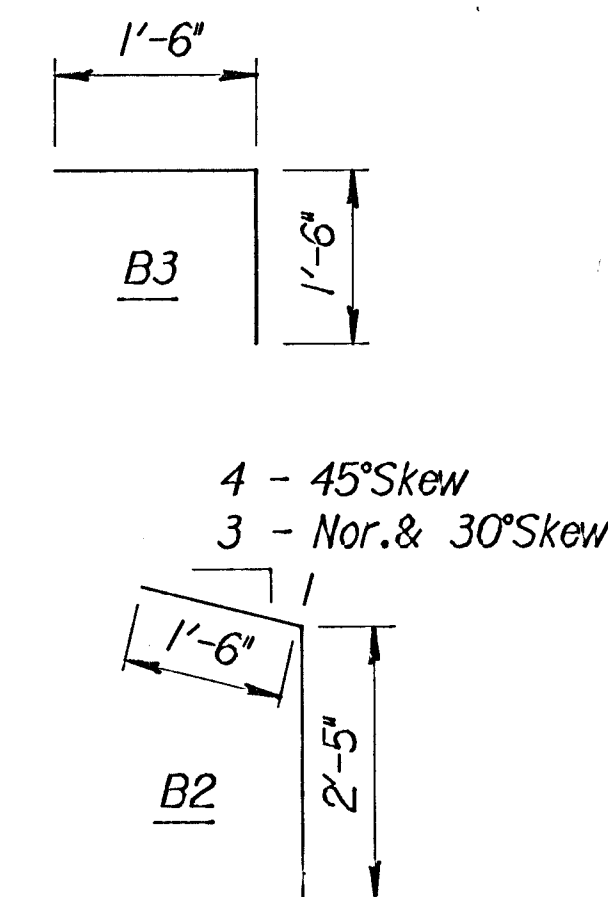
REINFORCING: All reinforcing shall conform to ASTM A615, Grade 60. Welded wire fabric shall conform to ASTM A185. Wire fabric shall be electrically welded and shall be composed of 6x6-W1.4xW1.4 welded wire fabric and shall be classified as pounds of reinforcing.

QUANTITIES: Wingwall Quantities include all quantities outside the neat lines of the box, excluding the hubguard.

FOUNDATION AND BACKFILL MATERIAL: Soils judged as high plasticity clays, fat clays, expansive clays, or organic clays are unsuitable for foundation and/or backfill material for wingwalls and will not be used. Where these conditions exist, Foundation Stabilization and/or Granular Backfill (Wingwalls) shall be used as determined by the Engineer. See "RCB Auxiliary Details" sheet for additional details.



| SKW | INCREMENT |
|-----|-----------|
| 0°  | 6"        |
| 30° | 5"        |
| 45° | 4"        |



| NO. | DATE | REVISIONS | BY | APP'D |
|-----|------|-----------|----|-------|
| 3   |      |           |    |       |
| 2   |      |           |    |       |
| 1   |      |           |    |       |

KANSAS DEPARTMENT OF TRANSPORTATION  
Sta. 251+50.42  
STRAIGHT WINGWALLS  
3 FT. RISE (0° SKEW)

BR 11.00.03 SEDGWICK CO.

FHWA APPROVAL 6-5-91 APP'D KENNETH F. HURST  
DESIGNED DETAIL CK. QUANTITIES TRACE CK.