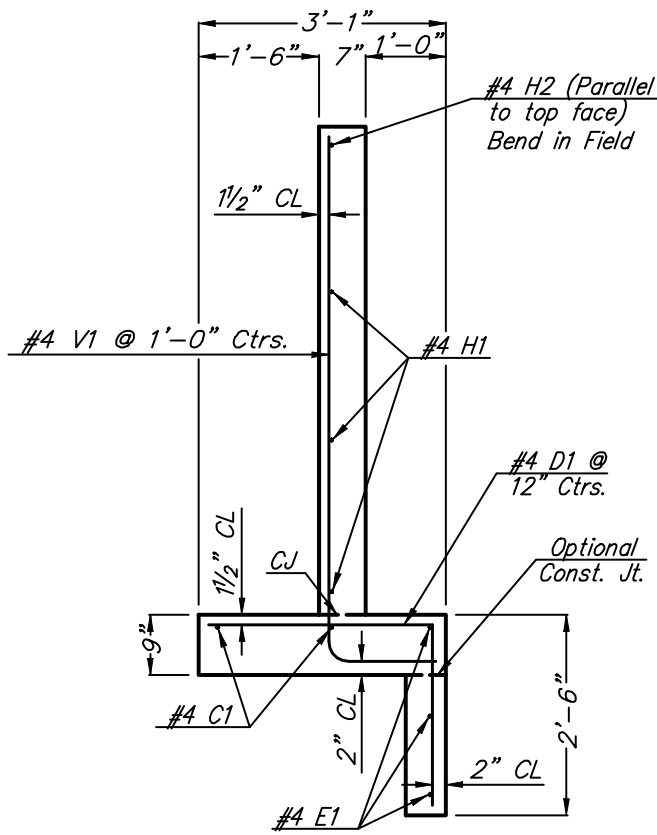
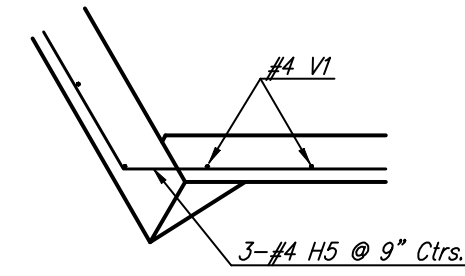


See "RCB Aux. Details" sheet for requirements of Wingwall Subbase.

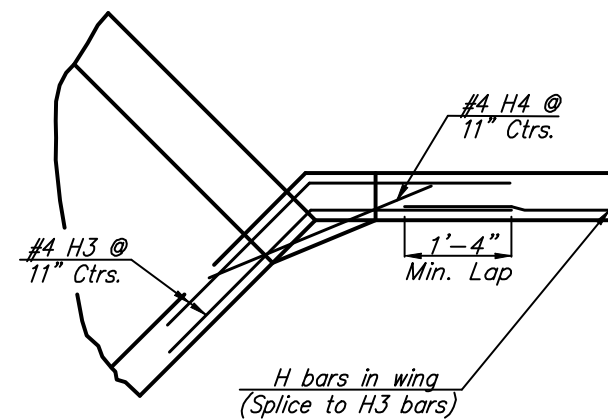
SECTION A-A



DETAIL OF WINGWALL ABOVE RCB TOP (Plan View)



Fillet Detail



DETAIL OF 9" x 9" FILLET (Plan View)

GENERAL NOTES

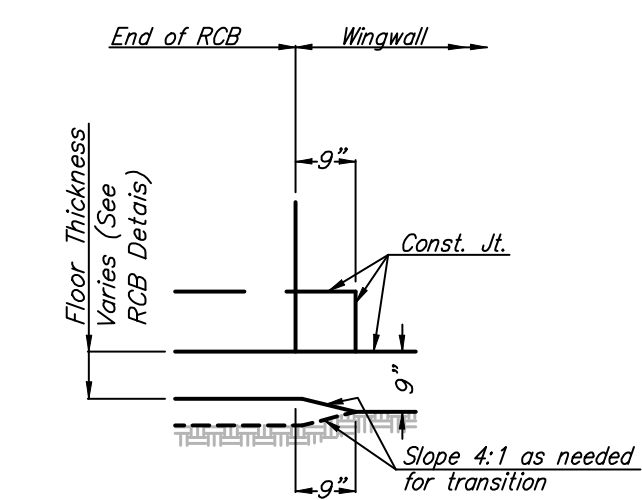
UNIT STRESSES: Grade 4.0 Concrete; $f'_c = 4,000$ p.s.i.
Reinforcing Steel; $f_y = 60,000$ p.s.i.

CONCRETE: Grade 4.0 Concrete shall be used throughout. Bevel all exposed edges with a $\frac{1}{4}$ inch triangular moulding.

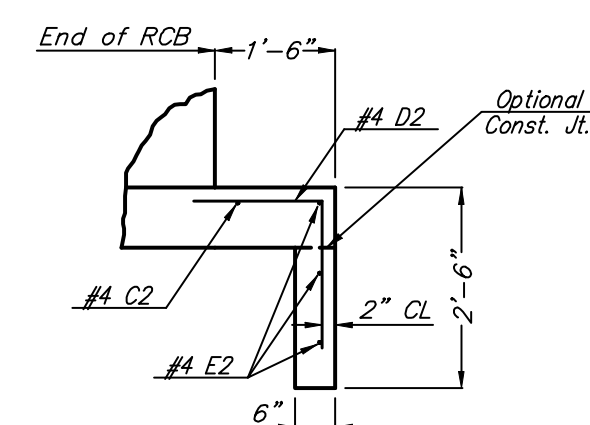
REINFORCING: All reinforcing shall conform to ASTM A615, Grade 60. Welded wire fabric shall conform to ASTM A185. Wire fabric shall be electrically welded and shall be composed of 6x6-WL.4xWL.4 welded wire fabric and shall be classified as pounds of reinforcing.

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.



SECTION D-D

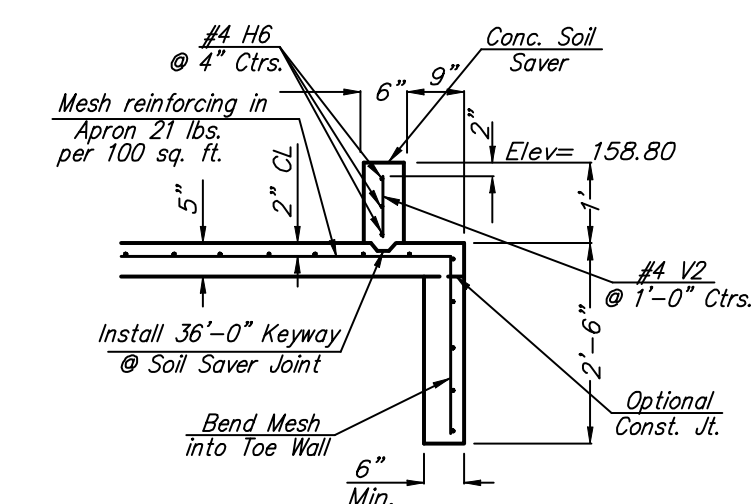


SECTION E-E

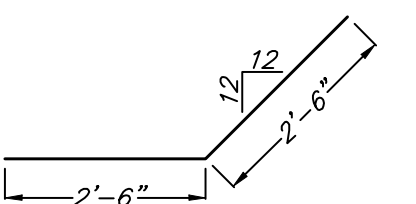
NOTE:

- EF = Each Face
- NS = Near Side
- FS = Far Side
- CJ = Const. Joint

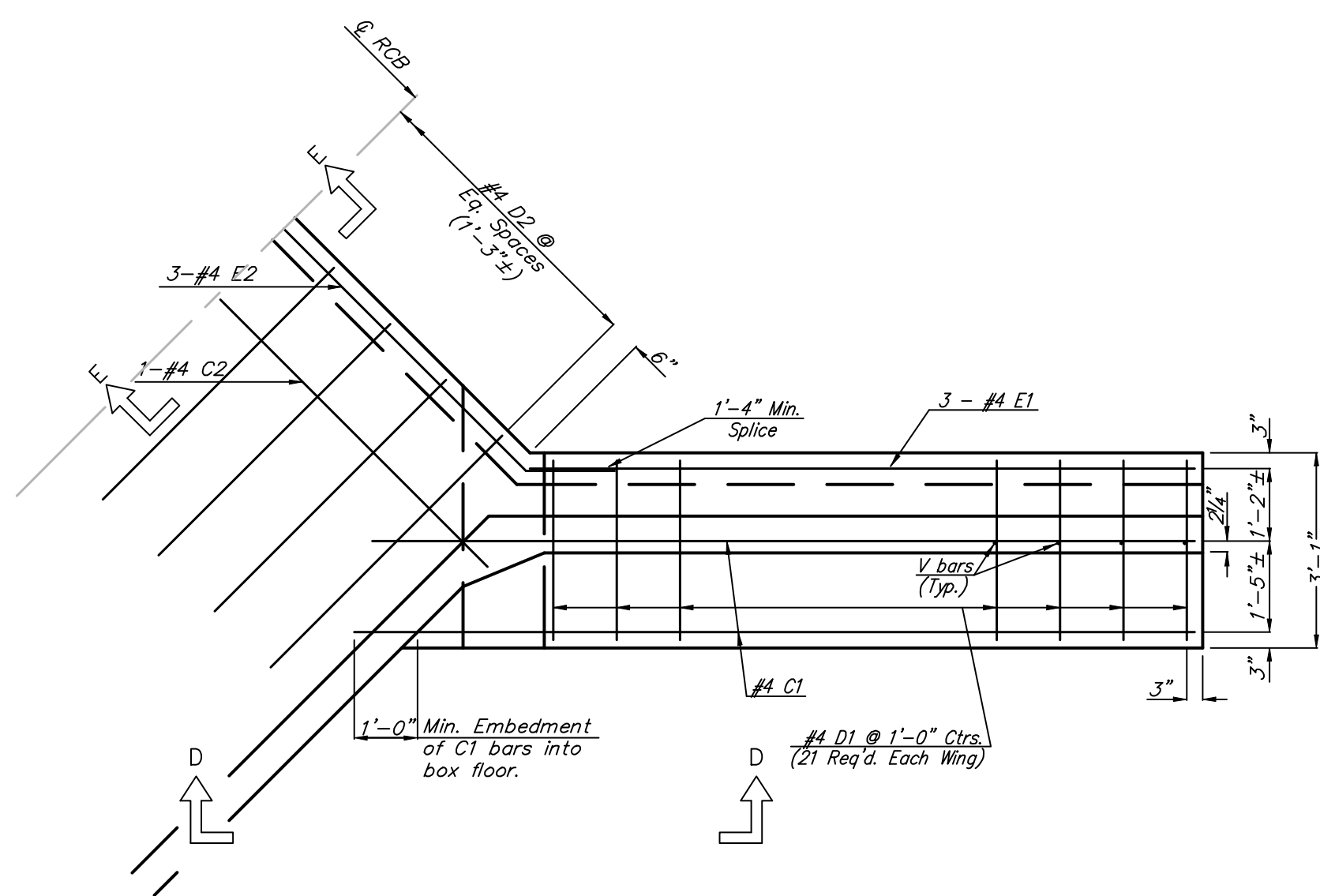
NOTE: Const. Jt. may be used as Contractor's option when approved by the Engineer. D1 bars or mesh may be spliced thus: Minimum overlap shall be 1'-3". No increase in quantities or cost shall be allowed when Contractor elects this option.



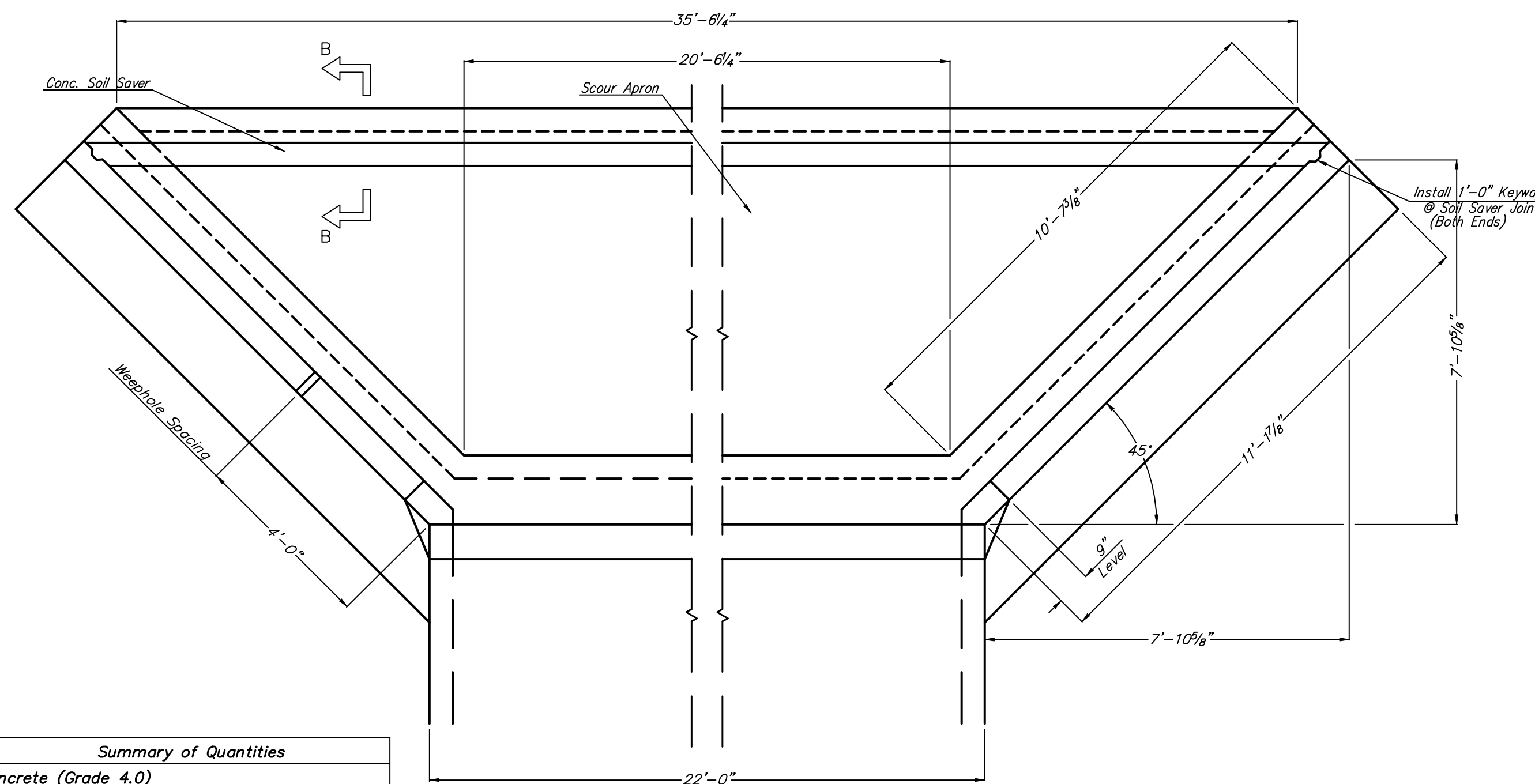
SECTION B-B



H3



SECTION C-C (Plan of Footing)



Summary of Quantities	
Concrete (Grade 4.0)	
Wingwalls	7.50 C.Y.
Apron	4.64 C.Y.
Soil Saver	0.7 C.Y.
Reinforcing Steel	664 Lbs
Welded Wire Fabric	56 Lbs
Keyway	38 L.F.

* See Bending Diagram

NOTE: Reinforcing Bar List is for both wings at one end of box only.

0° Skew	Number	#4 C1	#4 D1	#4 E1	#4 C2	#4 D2	#4 E2	#4 V1	#4 V2	#4 H1	#4 H2	#4 H3	#4 H4	#4 H5	#4 H6
		Length	13'-3"	4'-11"	10'-5"	21'-8"	5'-2"	23'-6"	*	0'-9"	10'-0"	11'-11"	5'-0"	3'-0"	*

Drawing File: F:\eng\29th (Maize-119th)\Detail\Wingwall 3
 Design: KK
 Drawn: JEB
 Approved: JFB
 Scale: 1"=30'

Project No. 0403-E828 CAPITAL IMPROVEMENT PROJECT
FLARED WINGWALLS Sta. 57-13.64 Rt.
 4 ft. Rise (0° Skew)(2-10x4)
 29th Street Paving Project - Main Road to 119th Street

Baughman Company, P.A.
 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149
 ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

March, 2007
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