

GENERAL NOTES

UNIT STRESSES: Class AAA Concrete; $f'_c = 28 \text{ MPa}$
Reinforcing Steel; $f_y = 400 \text{ MPa}$

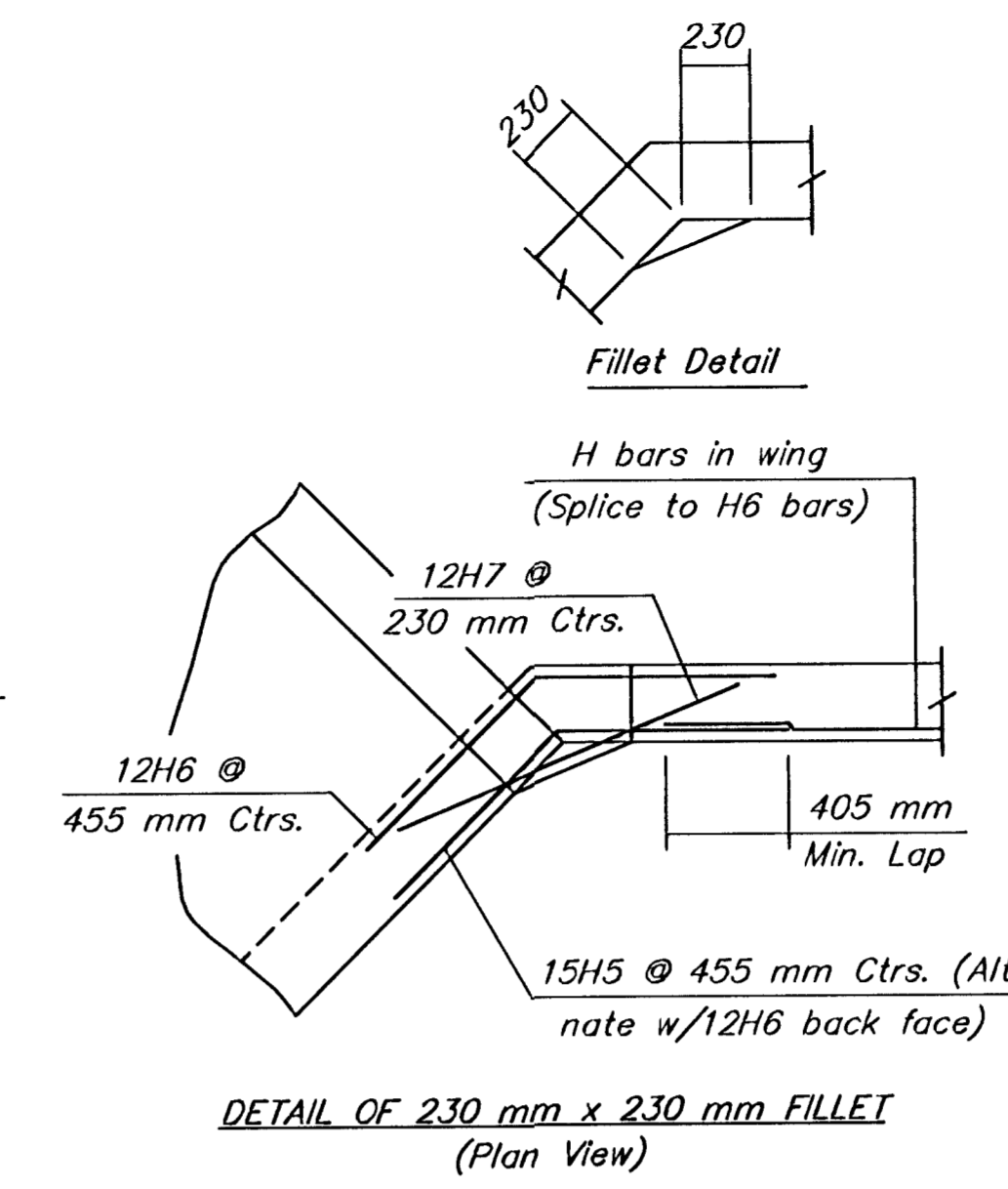
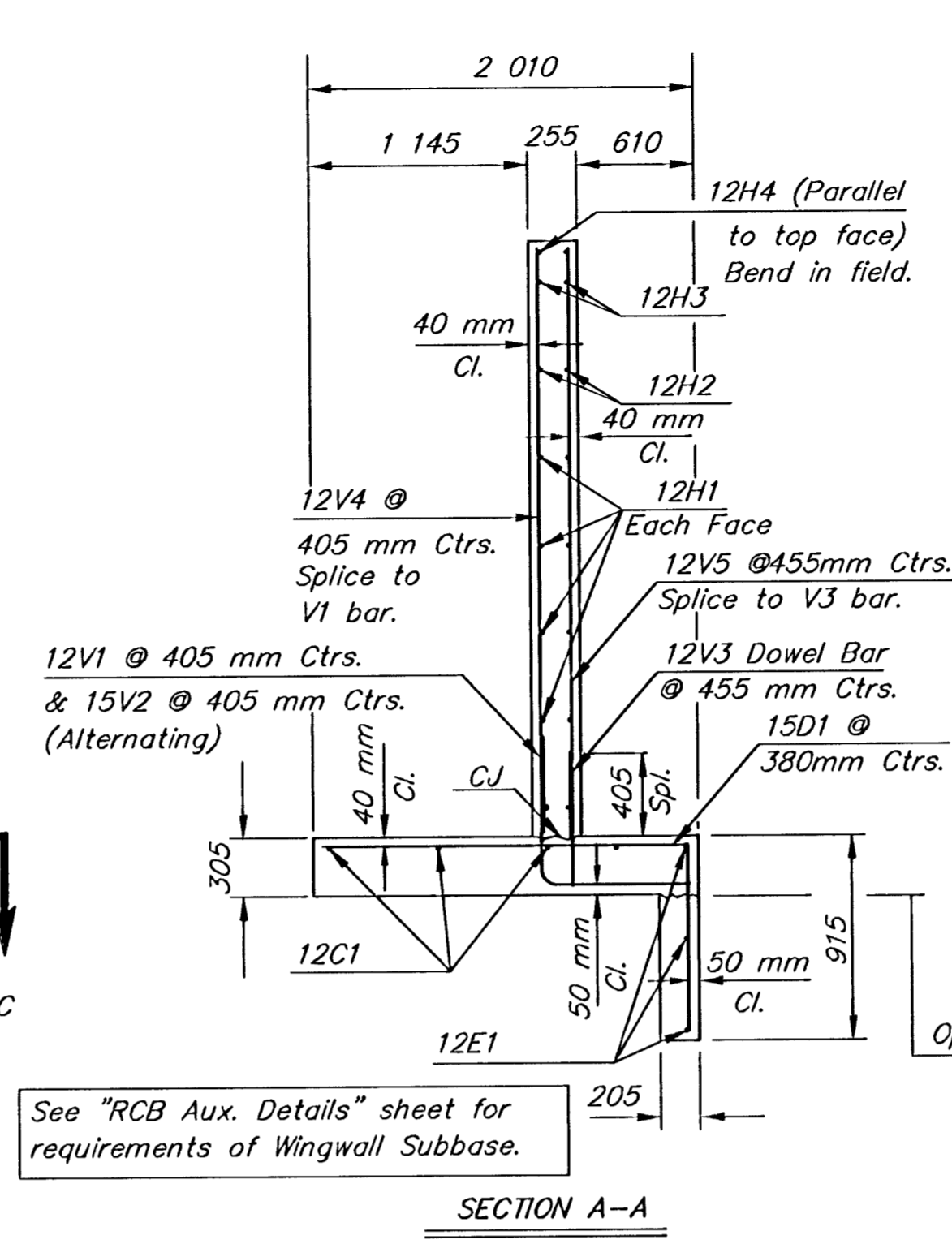
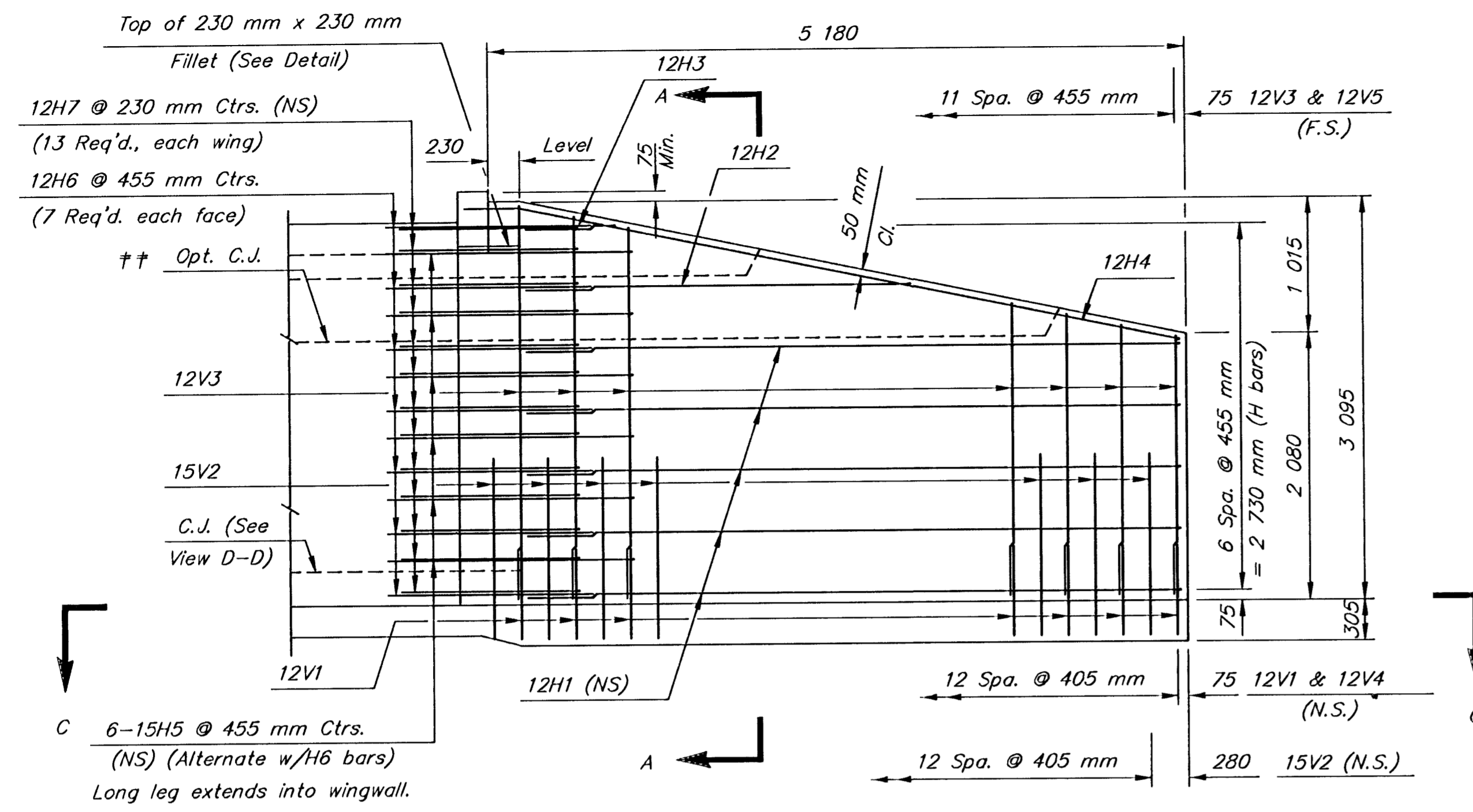
CONCRETE: Class AAA Concrete shall be used throughout. Bevel all exposed edges with a 20 mm triangular moulding.

REINFORCING: All reinforcing shall conform to ASTM A615M, Grade 420. Welded Wire Fabric shall conform to ASTM A185M. All dimensions relative to reinforcing steel shall be to center-line of bar unless otherwise noted.

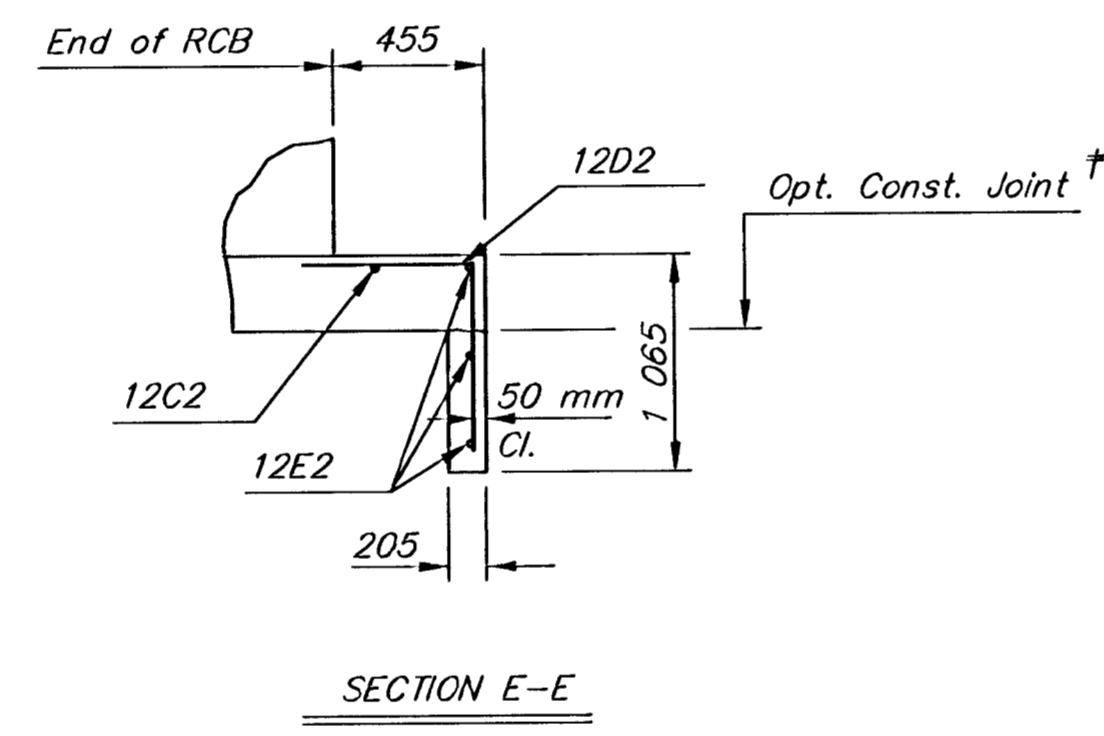
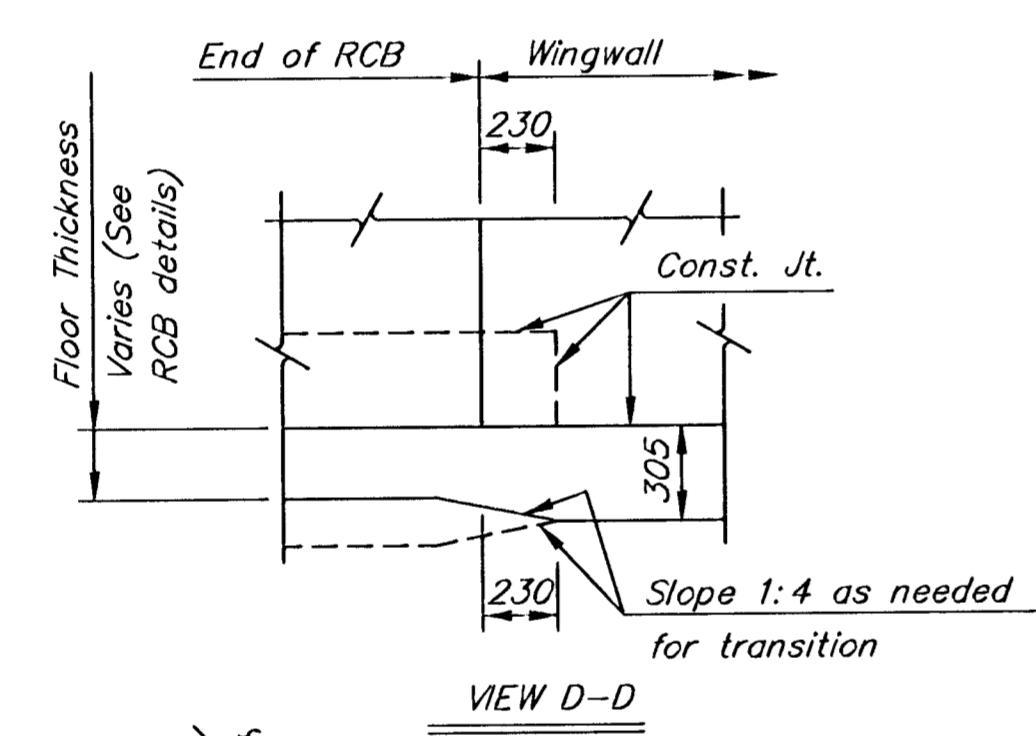
QUANTITIES: Wingwall Quantities include all quantities outside the neat lines of the box, excluding the hubguard.

APRON: A 125 mm concrete slab shall be constructed between the downstream wings in locations subject to scour only when specified on the plans or by the Engineer. Wire Reinforcing mesh shall be electrically welded and shall be composed of 150x150-MW10xMW10 welded wire fabric and shall be classified as kilograms of reinforcing.

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.

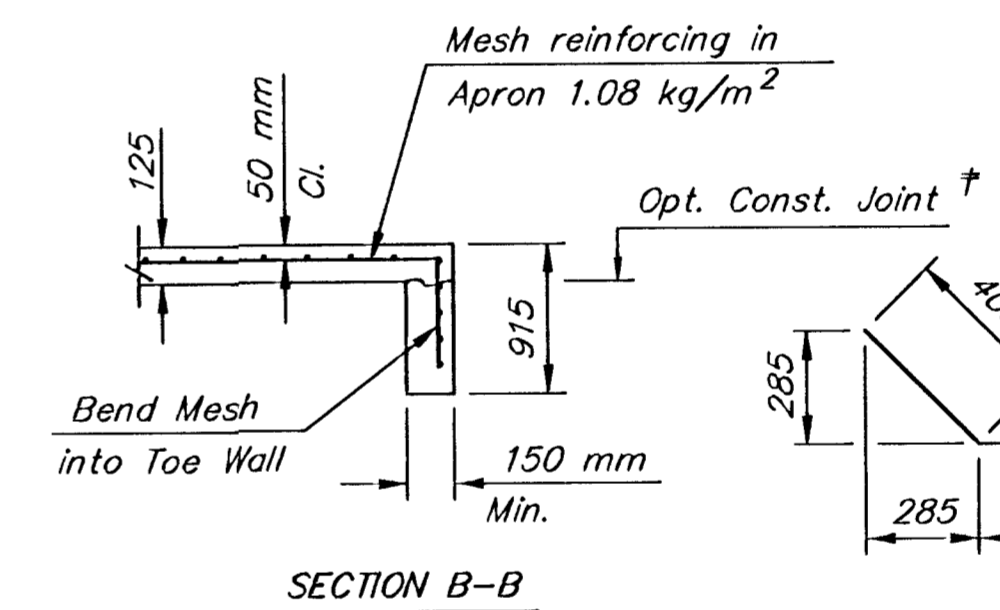


†† See RCB Details for location of construction joint.

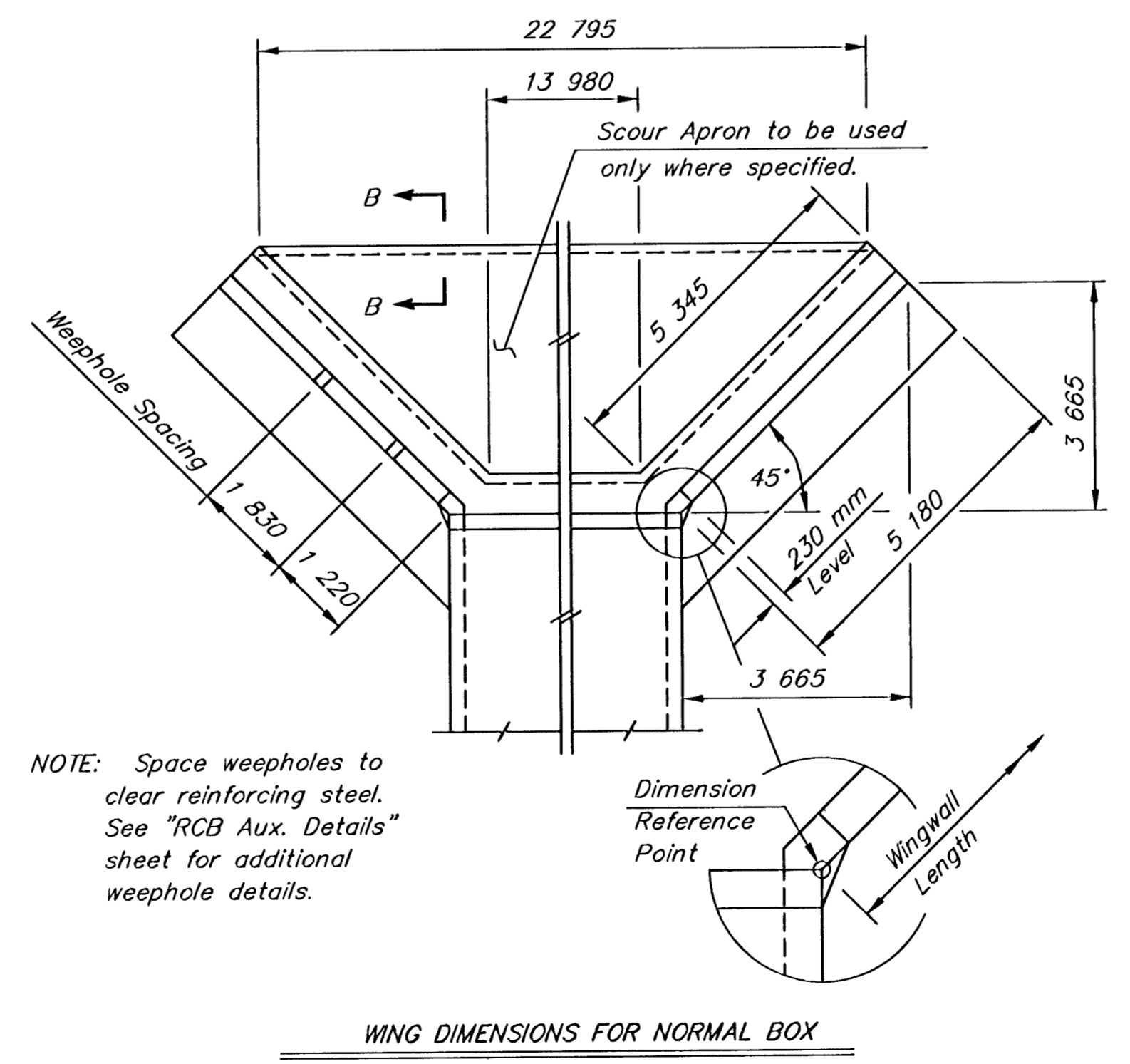
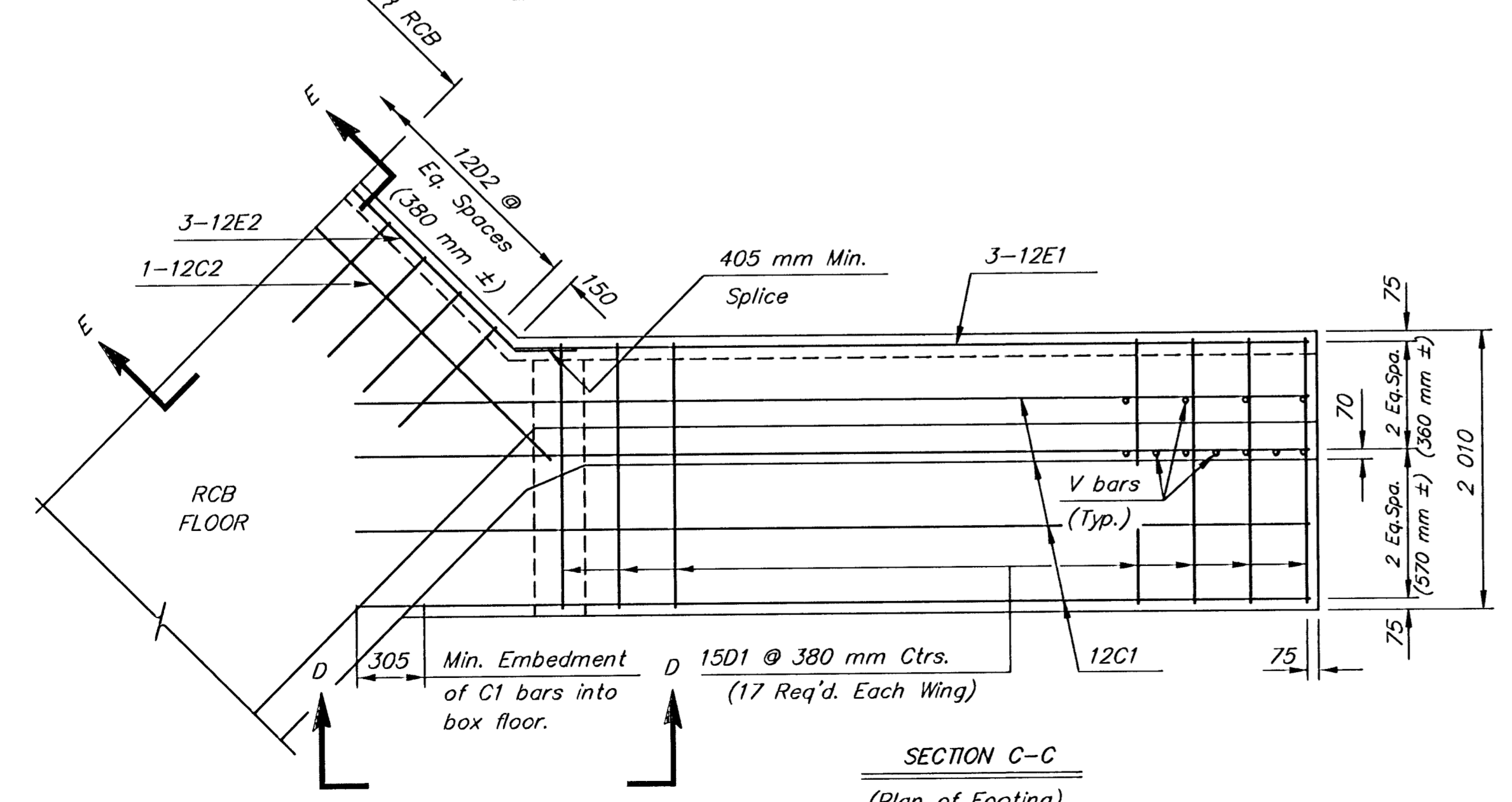
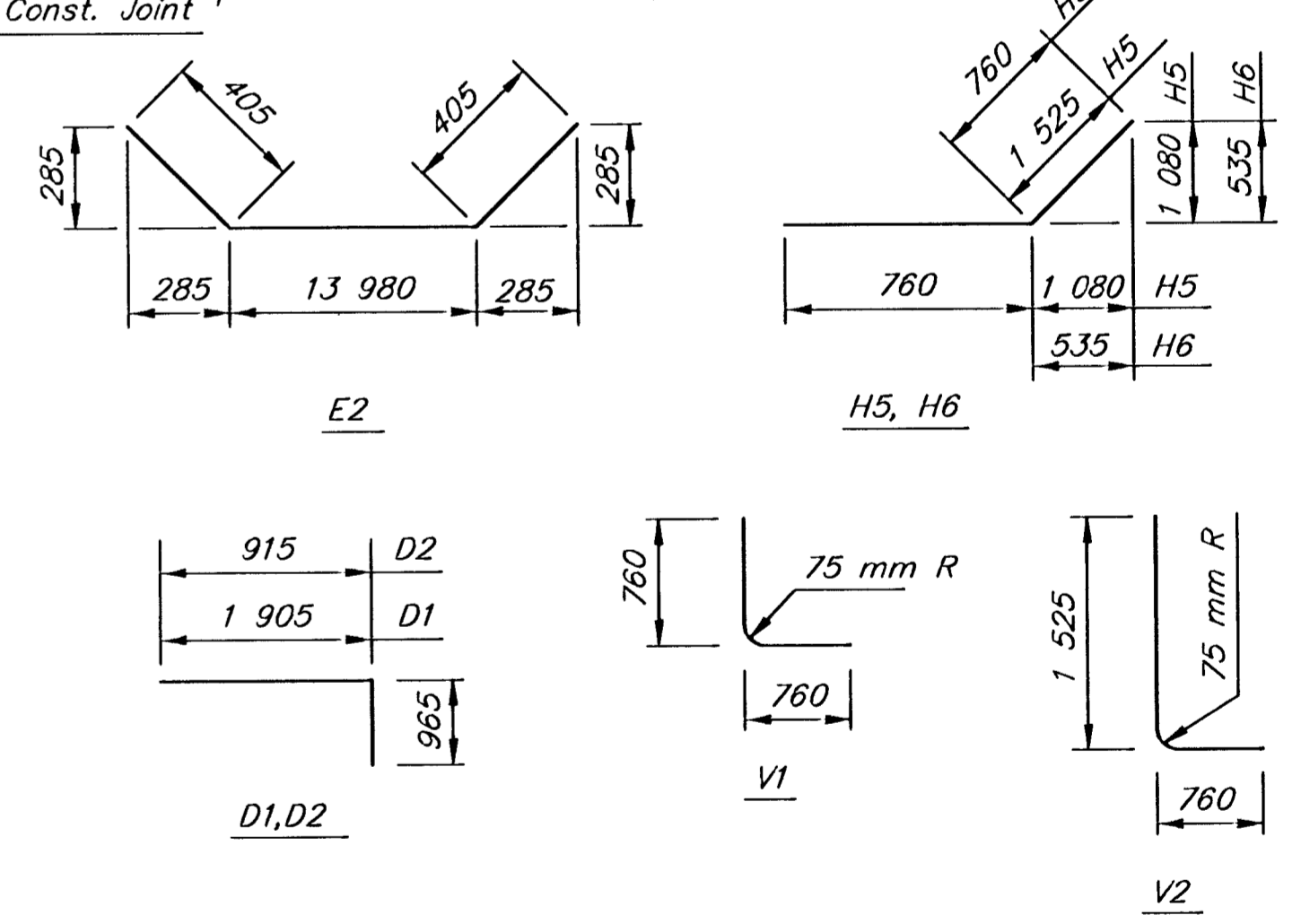


NOTE:
EF = Each Face
NS = Near Side
FS = Far Side
CJ = Const. Joint

† NOTE: Const. Jt. may be used at Contractor's option when approved by the Engineer. D1 bars or mesh may be spliced thus: Minimum overlap shall be 380 mm. No increase in quantities or cost shall be allowed when Contractor elects this option.



V4	Var. 1 730 mm to 3 020 mm by equal Incr. (85 mm ±)	2 Req'd.	each length
V5	Var. 1 730 mm to 3 020 mm by equal Incr. (95 mm ±)	2 Req'd.	each length



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

WINGWALL QUANTITIES (One End Only)	
Class AAA Concrete:	
Wingwalls	14.542 m ³
Apron	- m ³
Soil Saver	- m ³
Reinforcing Steel	
	766.001 kg
Welded Wire Fabric	
	- kg

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

O' Skew	Mark	12C1	15D1	12E1	12C2	12D2	12E2	12V1	15V2	12V3	12V4	12V5	12H1	12H2	12H3	12H4	15H5	12H6	12H7
		Number	8	28 *	6	1	37 *	3 *	26 *	26 *	26 *	26 *	26 *	26 *	8	2	2	2	12 *
Length		6 250	2 870	5 285	15 345	1 880	14 790	1 520	2 285	685	*	*	4 825	2 885	665	5 435	2 285	1 520	1 065

Plotted By : \$USERNAME\$
 Plot File : \$\$\$\$DGN\$SPEC\$\$\$\$
 Plot Date : \$\$\$\$SYTIME\$\$\$\$
 Std. Base File :
 Server File :
 Server : witch
 View =

KANSAS DEPARTMENT OF TRANSPORTATION

RCB WINGWALLS
2.7 m RISE (0' SKEW)

DESIGNED: RAM DETAILED: SS QUANTITIES: TRACED: KENNETH F. HURST
 DESIGN CK: RRA DETAIL CK: RRA QUAN CK: TRACE CK: