

#12	405
#15	510
#20	610

GENERAL NOTES

UNIT STRESSES: Class AAA Concrete; $f'_c = 28 \text{ MPa}$
Reinforcing Steel; $f_y = 420 \text{ MPa}$

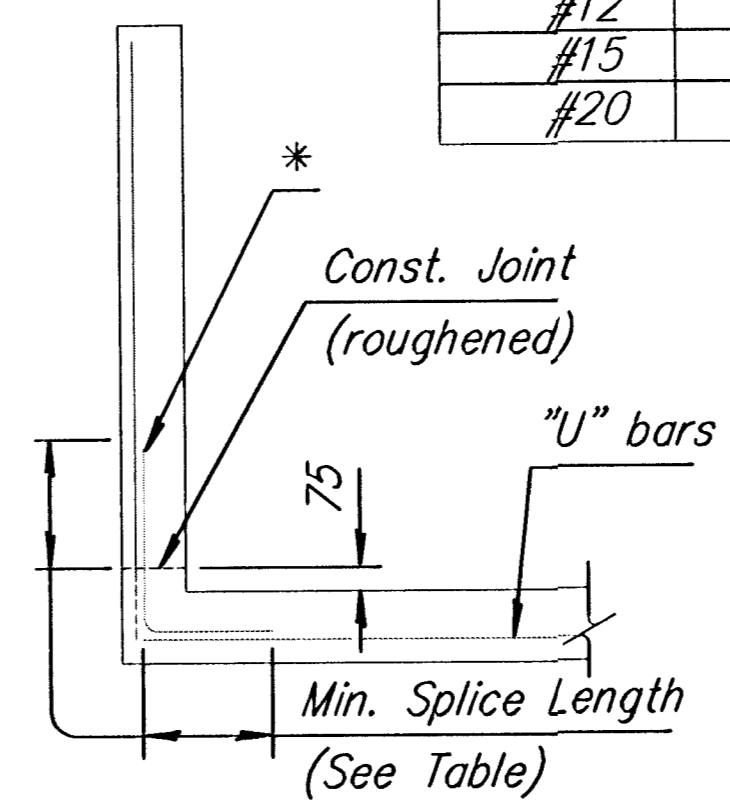
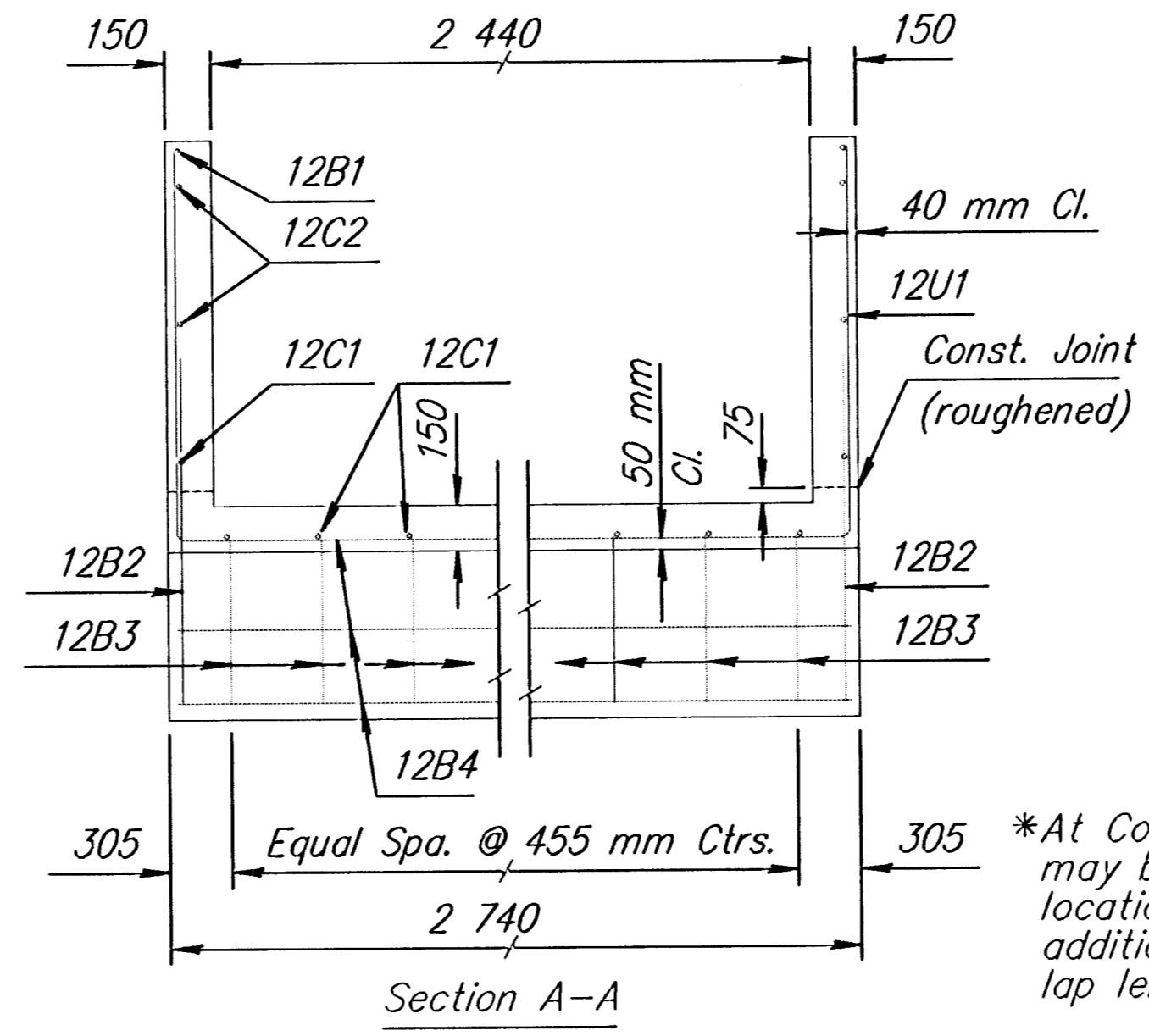
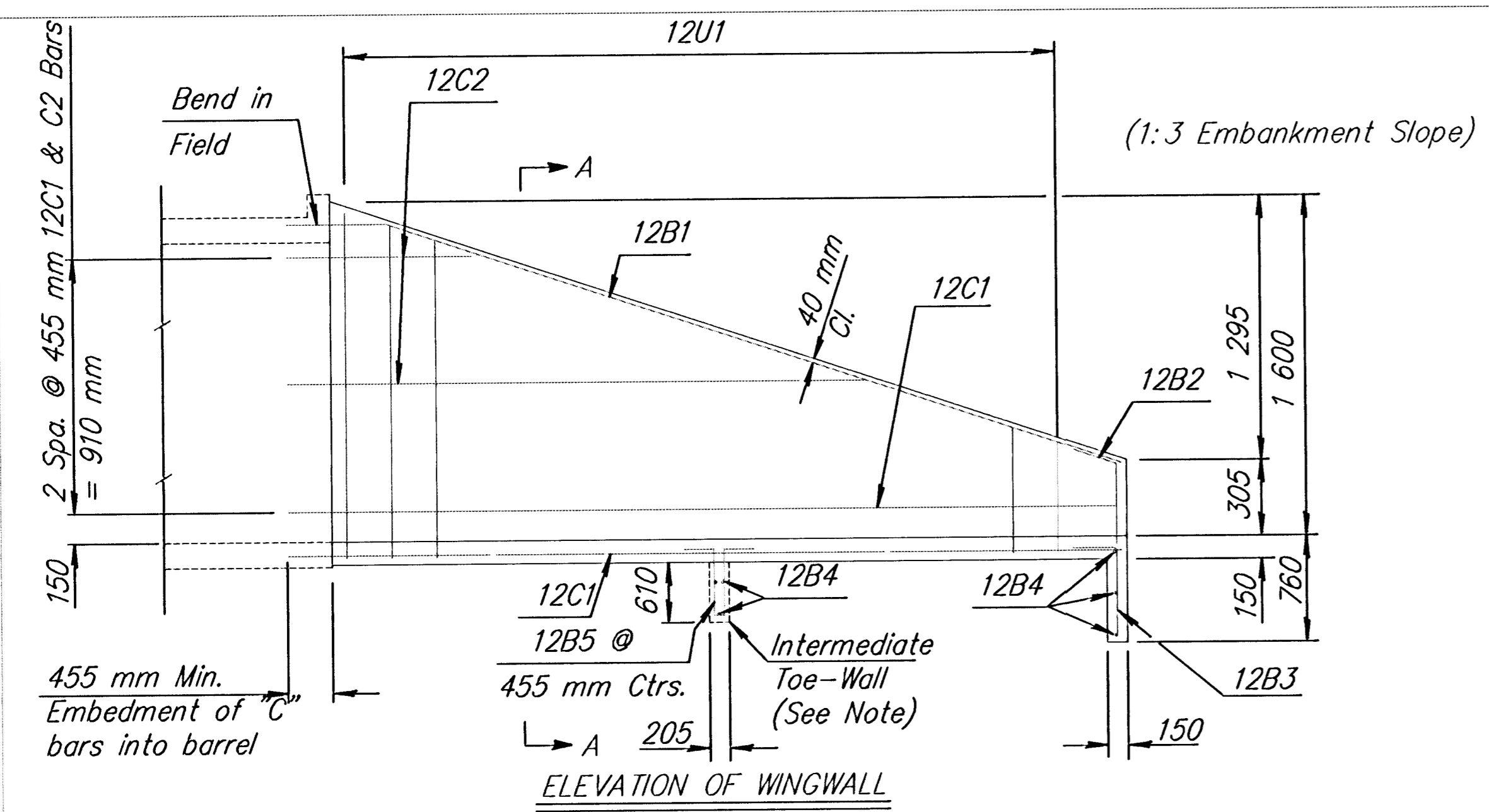
CONCRETE: Class AAA Concrete shall be used throughout. Bevel all exposed edges with a 20 mm triangular moulding.

REINFORCING: All reinforcing shall conform to ASTM A616M, Grade 420. Welded wire fabric shall conform to ASTM A185M-16. Wire fabric shall be electrically welded and shall be composed of 150x150-MW10xMW10 welded wire fabric and shall be classified as kilograms 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.

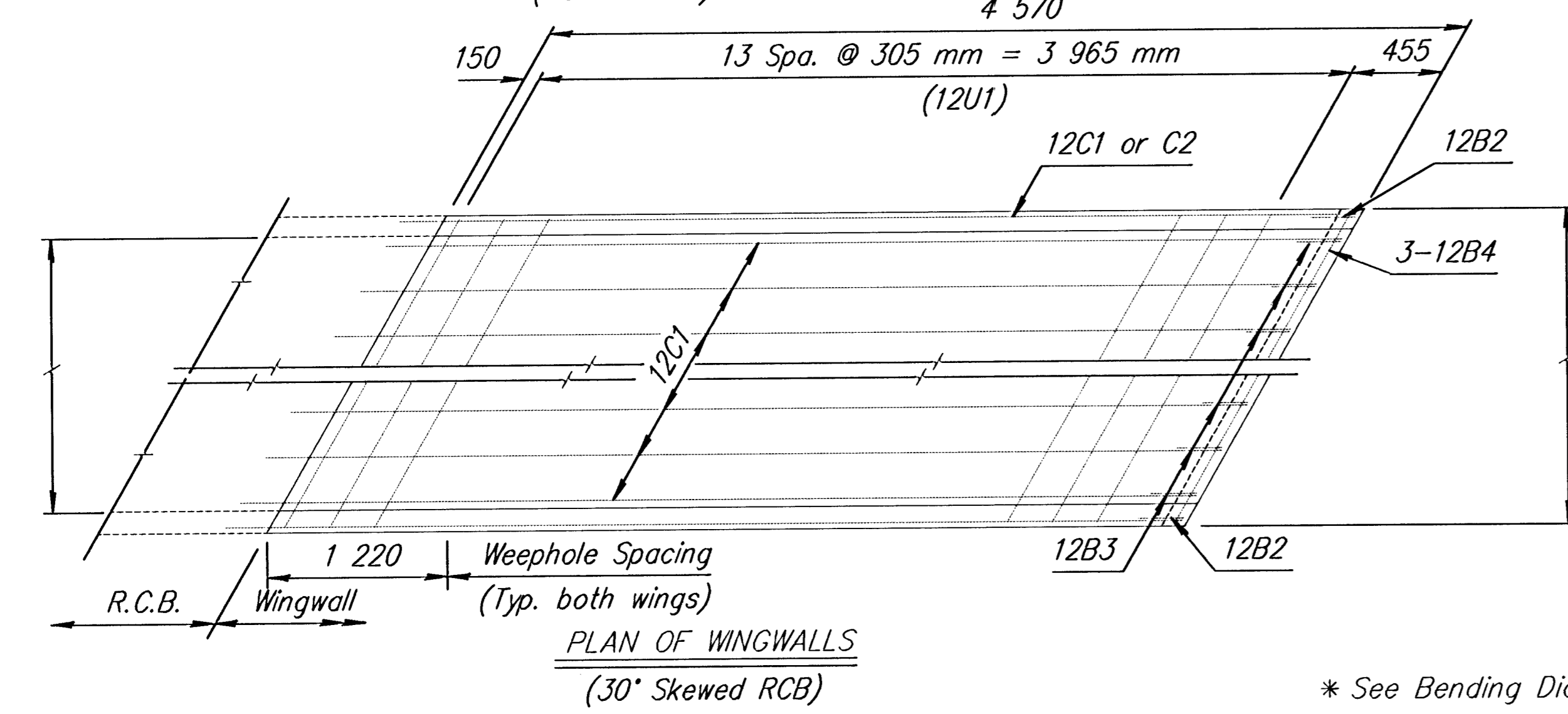
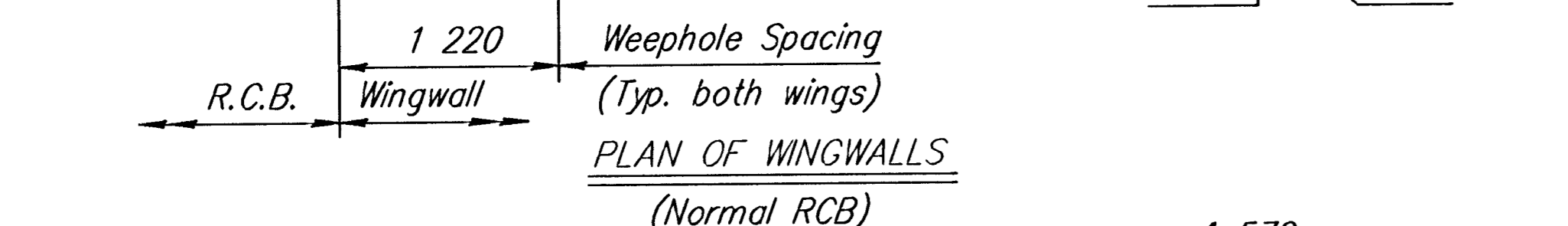
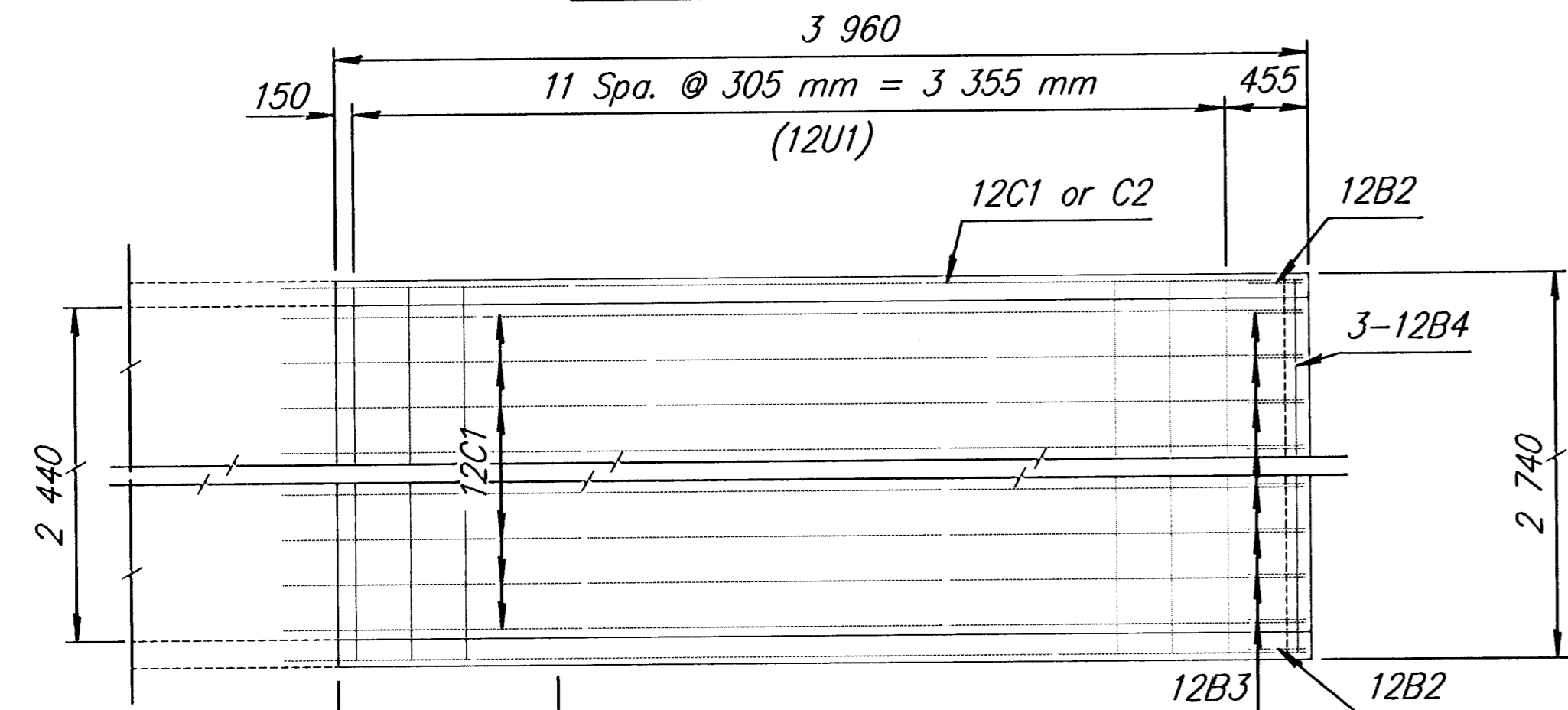
INTERMEDIATE TOE-WALL: When the length of wingwalls and width of apron both exceed 4 570 m, an intermediate toe-wall shall be constructed at mid-length of wing-wall as shown on "Elevation of Wingwall".



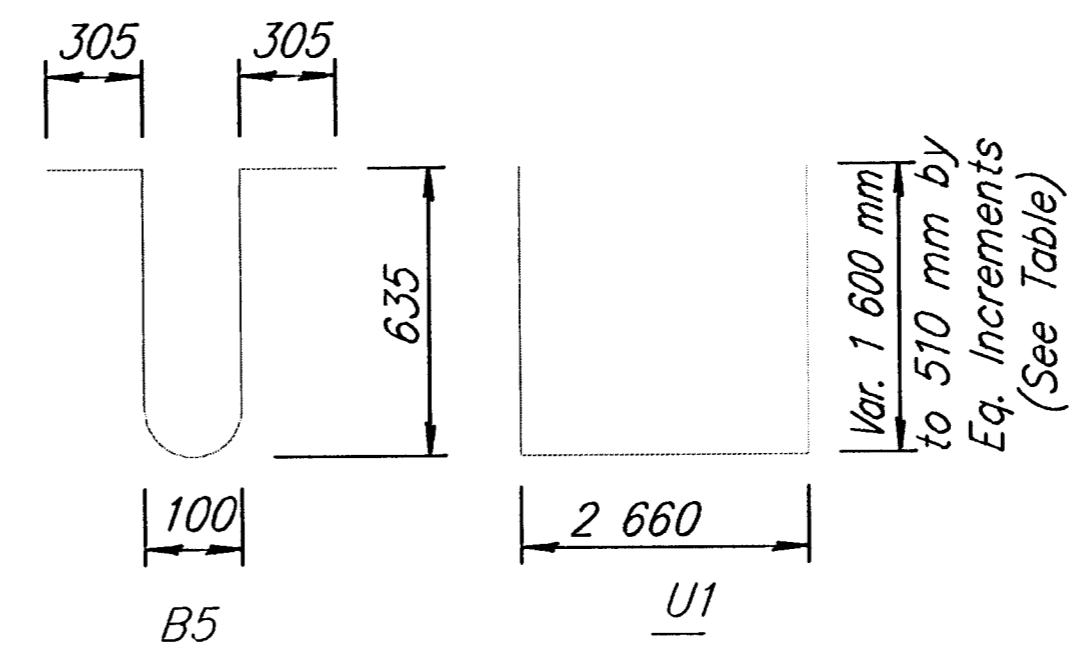
*At Contractors option, straight bars and bent bars may be substituted for "U" bars and spliced at locations shown. No allowance will be made for additional steel required. See table for required lap length.

DATE	DATE	DATE	DATE	DATE	DATE
DESIGN	DETAIL	QUANTITIES	TRACING	RETRACTED	
NAME	NAME	NAME	NAME	NAME	NAME

Drawn By : USERNAME
DGN File : DGN5PEC
Plotted : SYTIME
View = PLOT4



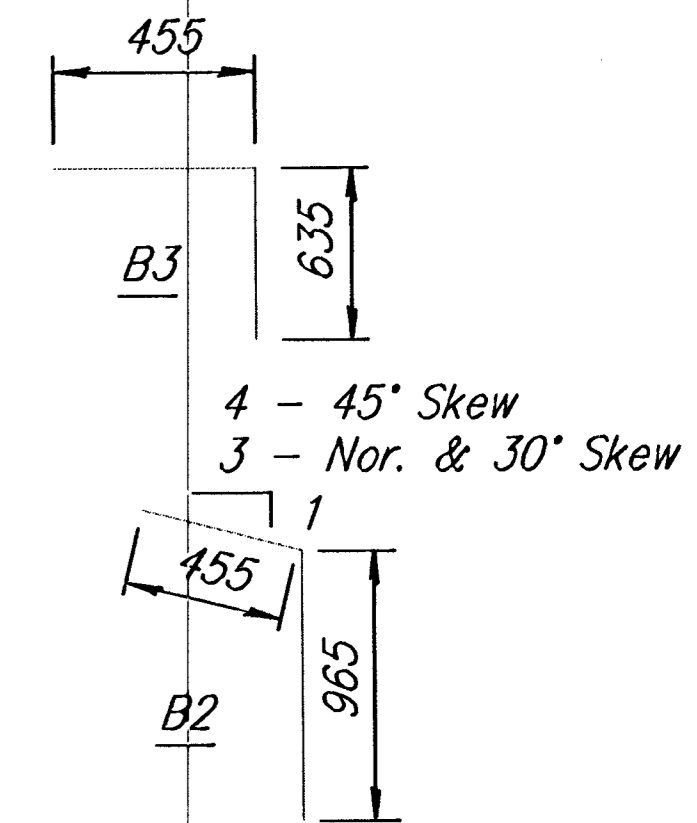
NOTE: Wingwall floor and toewall shall be constructed with the RCB floor. Wingwalls to be constructed with RCB walls.



SKEW	INCREMENT
0°	100 mm
30°	90 mm
45°	75 mm

BENDING DIAGRAMS

All dimensions are out to out of bars.



NOTE: Space Weepholes to clear reinforcing steel. See "RCB Auxiliary Details" sheet for additional weep hole details.

NOTE: Reinforcing Bar List is for both wings at one end of box only.	12B1		12B2 *		12B3 *		12B4		12B5 *		12C1		12C2		12U1 *	
	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length
0° Skew	2	4 570	2	1 420	6	1 090	3	2 640	0	1 930	8	4 370	4	*	12	*

Class AAA Concrete	3.0	m ³
Reinforcing Steel	129	kg

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

NO.	DATE	REVISIONS	BY	APP'D
3				
2				
1				

KANSAS DEPARTMENT OF TRANSPORTATION
Sta. 10+828
STRAIGHT WINGWALLS
1.2 m Rise (3'26"16" SKEW LEFT)

BR 11.00.04 SI SEDGWICK CO.

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