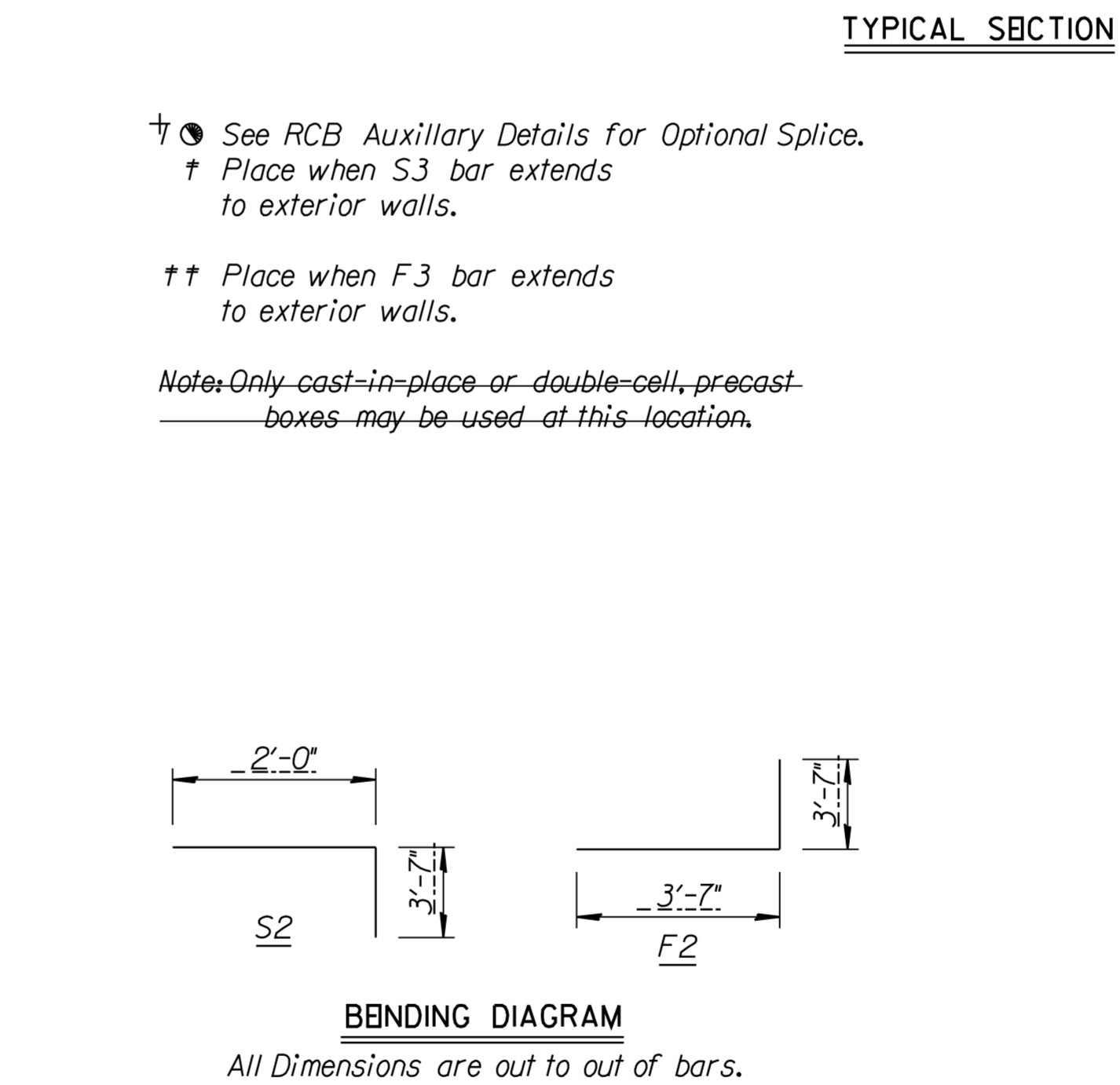
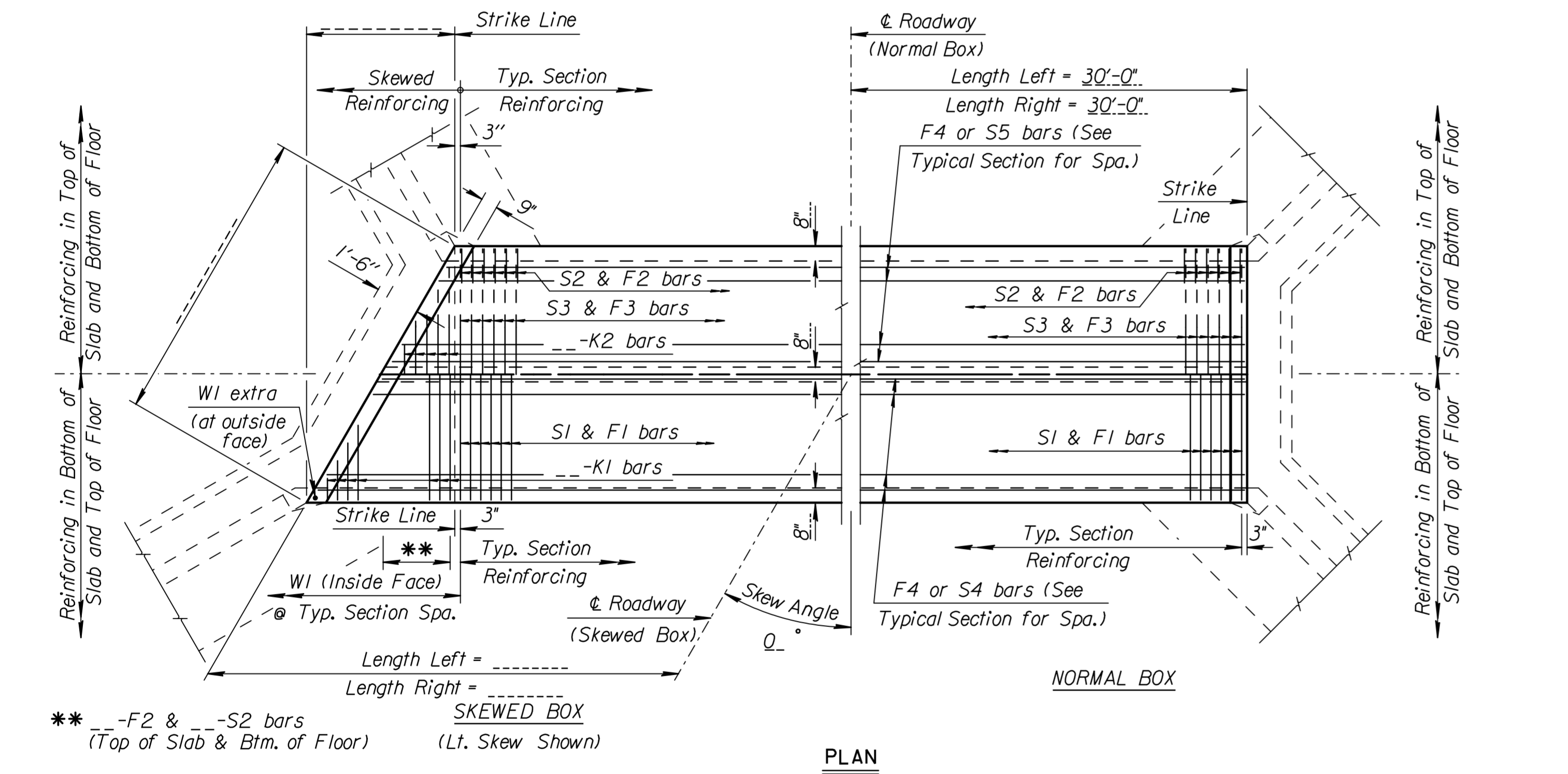
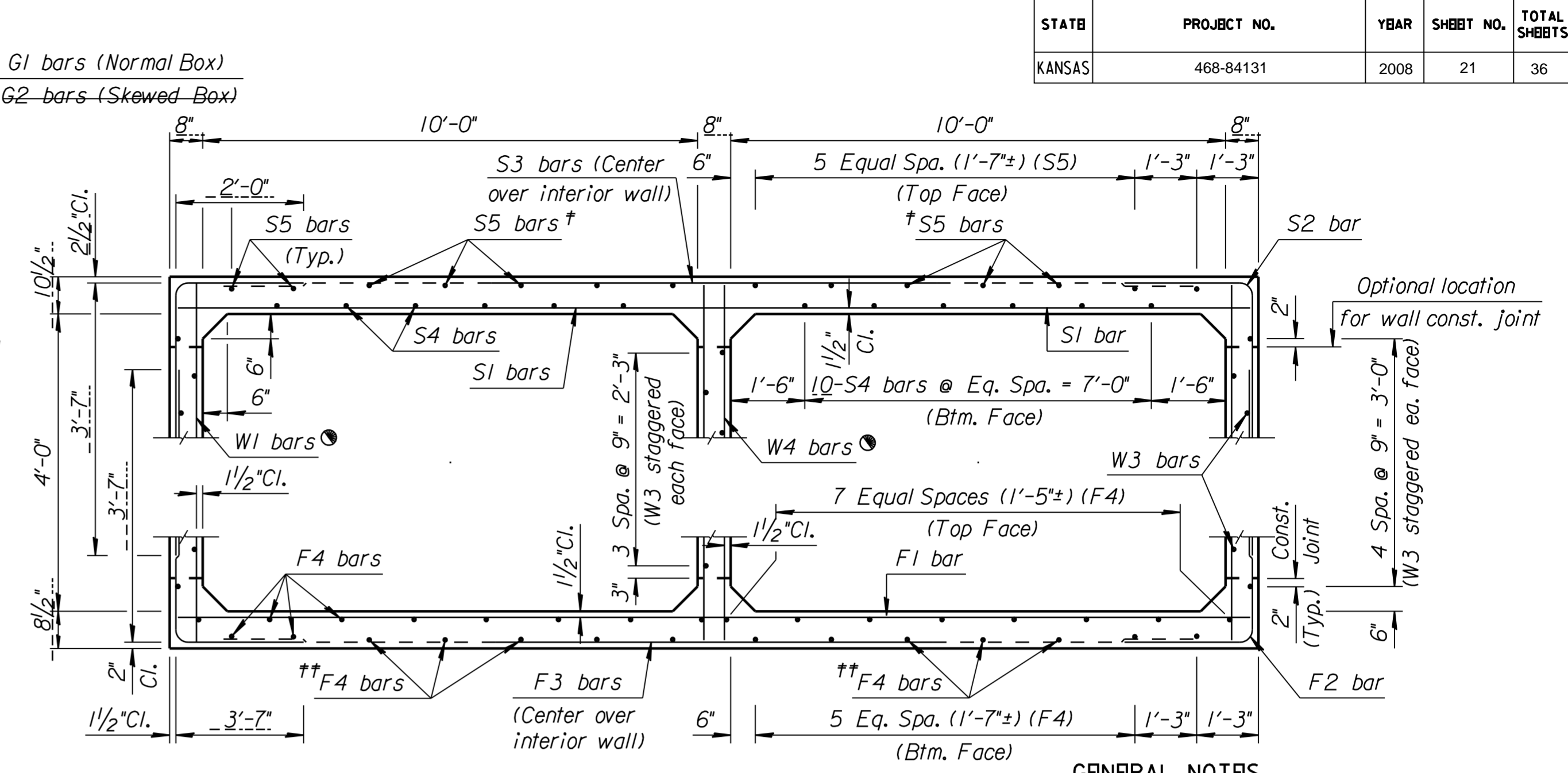
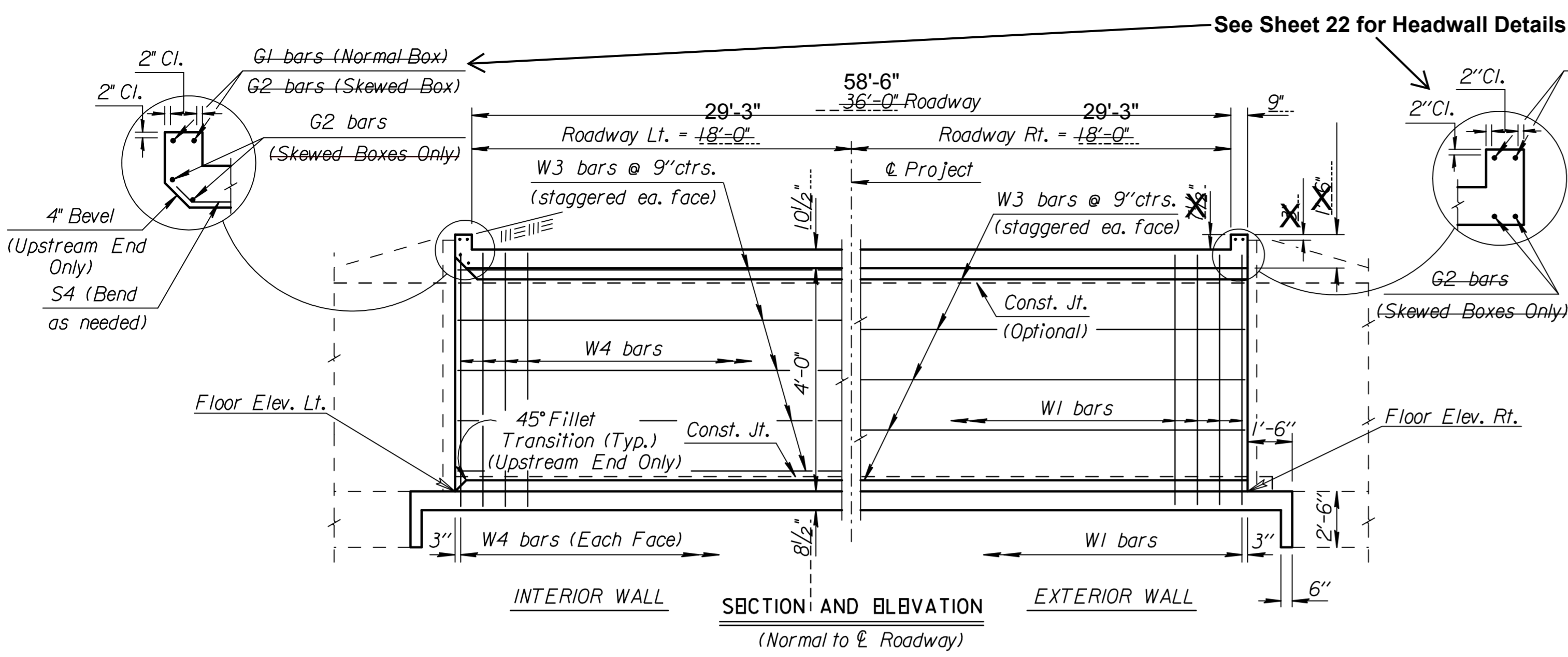


STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	468-84131	2008	21	36



⊠ For design purposes ONLY. Do NOT use for Construction

CULVERT SUMMARY											⊕ includes any apron welded wire fabric				
Floor Elev. Lt.	Floor Elev. Rt.	Crown Gr. Elev.	Design Fill Ht.	Skew	Left Wings	Right Wings	Scour Apron	Soil Saver	Concrete			Reinf. Steel (Gr. 60)			
									Barrel (Cu.Yds.)	Wings (Cu.Yds.)	Total (Cu.Yds.)	Barrel (Lbs.)	⊕ Wings (Lbs.)	Total (Lbs.)	
1370.00	1369.50	1376.60	2	0	FLARED	FLARED	NO	NO	98.12	11.28	109.40	17924	884	18808	---

BAR SCHEDULE																													
F1			F2 *			F3			F4			S1			S2 *			S3			S4			S5					
Size	Spa.	No.	Size	Spa.	No.	Size	Spa.	No.	Size	Spa.	No.	Size	Spa.	No.	Size	Spa.	No.	Size	Spa.	No.	Size	Spa.	No.	Size	Spa.	No.			
4	6"	120	5	5"	288	5	5"	144	4	48	30'-6"	5	6"	120	4	5"	288	6	5"	144	4	40	30'-6"	4	28	30'-6"			
K1			K2			W1			W2			W3			W4			G1			G2								
Size	Spa.	No.	Size	Spa.	No.	Size	Spa.	No.	Size	Spa.	No.	Size	Spa.	No.	Size	Spa.	No.	Size	Spa.	No.	Size	Spa.	No.	Size	Spa.	No.			
N/A	N/A	N/A	N/A	N/A	N/A	5	1'-0"	122	N/A	N/A	N/A	N/A	N/A	N/A	4	28	30'-6"	5	1'-0"	122	5	4	21'-8"	N/A	N/A	N/A			

Minimum Splice Lengths	
#4	1'-4"
#5	1'-8"
#6	2'-0"

SUMMARY OF QUANTITIES	
Concrete (Grade 4.0)	109.4 C.Y.
Concrete (Grade 4.0)(AE)	0.0 C.Y.
Reinforcing Steel (Gr. 60)	18810 Lbs.
Reinforcing Steel (Gr.60)(Epoxy Coated)	0 Lbs.
Class III Excavation	C.Y.
Foundation Stabilization	33 C.Y.
Concrete for Seal Course (Set)	1 C.Y.
Granular Backfill (Wingwalls) (Set)	1 C.Y.

NO.	DATE	REVISIONS	BY	APP'D
KANSAS DEPARTMENT OF TRANSPORTATION				
BR. No. 87-00(000) Sta. 1+00				
DOUBLE 10 ft x 4 ft REB				
4-10' x 4' RCBC				
2-10' x 4' RCBC shown				
BR 2,10,4-F Sedgwick Co.				
FHWA APPROVAL		6-5-91 APP'D		KENNETH F. HURST
DESIGNED	DBTAIL BD	QUANTITIES	TRACED	
DESIGN CK.	DBTAIL CK.	QUAN. CK.	TRACB CK.	

Plot Date: 2/29/2008