

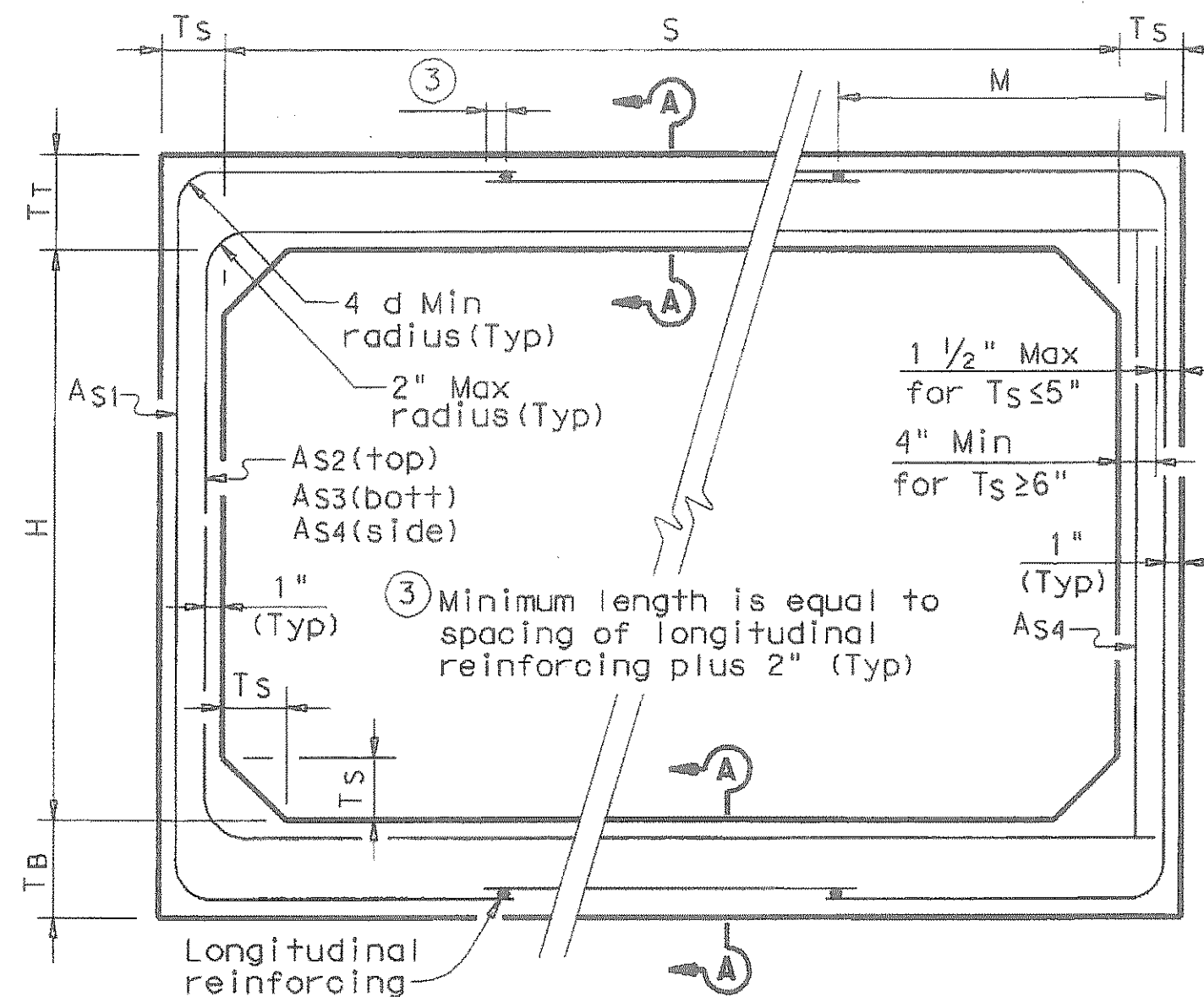
BOX DATA

SECTION DIMENSIONS					Fill Height (ft)	M (in)	REINFORCING (in ² /ft) ②								Lift Weight (Tons) ①	Governing ASTM Standard
S (ft)	H (ft)	T _T (in)	T _B (in)	T _S (in)			A _{S1}	A _{S2}	A _{S3}	A _{S4}	A _{S7}	A _{S8}	A _{S5}	A _{S6}		
9	5	9	9	9	< 2	-	0.34	0.50	0.29	0.22	0.22	0.22	0.22	14.6	C 850	
9	5	9	9	9	2	38	0.36	0.43	0.31	0.22	-	-	-	14.6	C 789	
9	5	9	9	9	3	34	0.28	0.32	0.27	0.22	-	-	-	14.6	C 789	
9	5	9	9	9	4	31	0.26	0.28	0.27	0.22	-	-	-	14.6	C 789	
9	5	9	9	9	5	31	0.28	0.29	0.29	0.22	-	-	-	14.6	C 789	
9	5	9	9	9	6	30	0.29	0.30	0.31	0.22	-	-	-	14.6	C 789	
9	5	9	9	9	8	30	0.30	0.32	0.34	0.22	-	-	-	14.6	C 789	
9	5	9	9	9	10	30	0.34	0.37	0.39	0.22	-	-	-	14.6	C 789	
9	5	9	9	9	12	30	0.38	0.42	0.43	0.22	-	-	-	14.6	C 789	
9	5	9	9	9	14	29	0.43	0.47	0.48	0.22	-	-	-	14.6	C 789	
9	6	9	9	9	< 2	-	0.32	0.53	0.32	0.22	0.22	0.22	0.22	15.5	C 850	
9	6	9	9	9	2	38	0.33	0.46	0.34	0.22	-	-	-	15.5	C 789	
9	6	9	9	9	3	34	0.26	0.34	0.29	0.22	-	-	-	15.5	C 789	
9	6	9	9	9	4	32	0.24	0.31	0.29	0.22	-	-	-	15.5	C 789	
9	6	9	9	9	5	31	0.26	0.31	0.32	0.22	-	-	-	15.5	C 789	
9	6	9	9	9	6	30	0.27	0.32	0.34	0.22	-	-	-	15.5	C 789	
9	6	9	9	9	8	30	0.28	0.35	0.37	0.22	-	-	-	15.5	C 789	
9	6	9	9	9	10	30	0.31	0.40	0.41	0.22	-	-	-	15.5	C 789	
9	6	9	9	9	12	29	0.35	0.45	0.47	0.22	-	-	-	15.5	C 789	
9	7	9	9	9	< 2	-	0.30	0.55	0.35	0.22	0.25	0.22	0.22	16.4	C 850	
9	7	9	9	9	2	41	0.30	0.49	0.37	0.22	-	-	-	16.4	C 789	
9	7	9	9	9	3	36	0.24	0.36	0.32	0.22	-	-	-	16.4	C 789	
9	7	9	9	9	4	33	0.23	0.32	0.32	0.22	-	-	-	16.4	C 789	
9	7	9	9	9	5	32	0.24	0.33	0.34	0.22	-	-	-	16.4	C 789	
9	7	9	9	9	6	31	0.25	0.34	0.36	0.22	-	-	-	16.4	C 789	
9	7	9	9	9	8	31	0.26	0.37	0.39	0.22	-	-	-	16.4	C 789	
9	7	9	9	9	10	30	0.29	0.42	0.44	0.22	-	-	-	16.4	C 789	
9	7	9	9	9	12	30	0.33	0.47	0.49	0.22	-	-	-	16.4	C 789	
9	8	9	9	9	< 2	-	0.28	0.57	0.38	0.22	0.27	0.24	0.22	17.3	C 850	
9	8	9	9	9	2	46	0.28	0.51	0.39	0.22	-	-	-	17.3	C 789	
9	8	9	9	9	3	39	0.23	0.38	0.34	0.22	-	-	-	17.3	C 789	
9	8	9	9	9	4	36	0.22	0.34	0.34	0.22	-	-	-	17.3	C 789	
9	8	9	9	9	5	34	0.23	0.35	0.37	0.22	-	-	-	17.3	C 789	
9	8	9	9	9	6	33	0.24	0.35	0.38	0.22	-	-	-	17.3	C 789	
9	8	9	9	9	8	32	0.25	0.38	0.41	0.22	-	-	-	17.3	C 789	
9	8	9	9	9	10	31	0.28	0.43	0.46	0.22	-	-	-	17.3	C 789	
9	8	9	9	9	12	31	0.31	0.49	0.52	0.22	-	-	-	17.3	C 789	
9	9	9	9	9	< 2	-	0.27	0.58	0.41	0.25	0.30	0.28	0.22	18.2	C 850	
9	9	9	9	9	2	68	0.27	0.54	0.42	0.22	-	-	-	18.2	C 789	
9	9	9	9	9	3	45	0.22	0.40	0.36	0.22	-	-	-	18.2	C 789	
9	9	9	9	9	4	41	0.22	0.36	0.36	0.22	-	-	-	18.2	C 789	
9	9	9	9	9	5	38	0.22	0.36	0.39	0.22	-	-	-	18.2	C 789	
9	9	9	9	9	6	36	0.23	0.37	0.40	0.22	-	-	-	18.2	C 789	
9	9	9	9	9	8	34	0.24	0.40	0.43	0.22	-	-	-	18.2	C 789	
9	9	9	9	9	10	33	0.26	0.45	0.48	0.22	-	-	-	18.2	C 789	
9	9	9	9	9	12	33	0.29	0.50	0.54	0.22	-	-	-	18.2	C 789	

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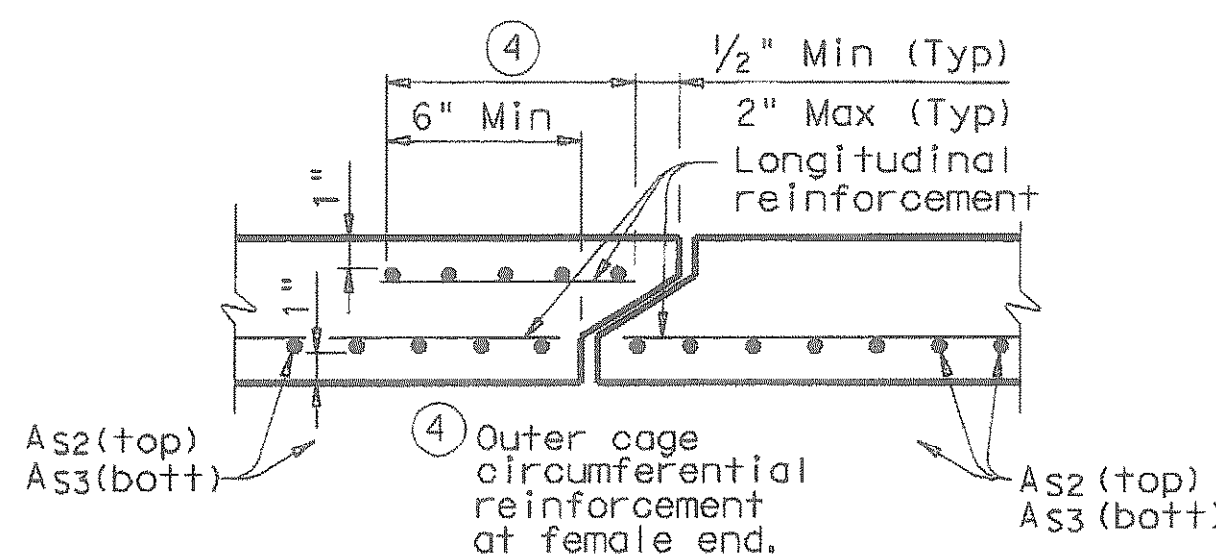
LEVELS DISPLAYED: ACC: 1

- ① For Box Length = 8'-0"
- ② A_{S1} thru A_{S4}, A_{S7} and A_{S8} are minimum required areas of reinforcement per linear foot of box length. A_{S6} and A_{S5} are minimum required areas of reinforcement per linear foot of box width.

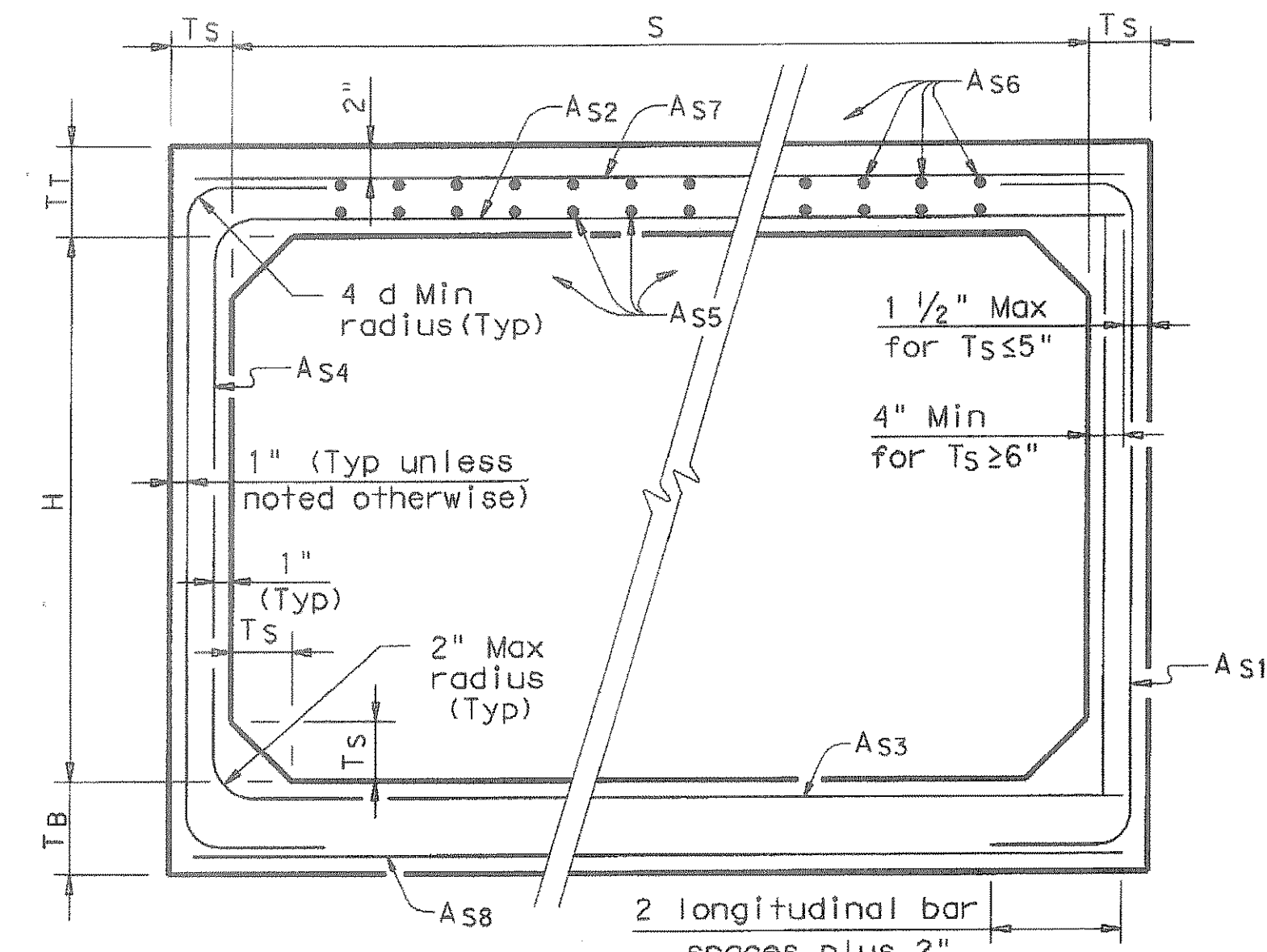


C789 CORNER OPTION "A" C789 CORNER OPTION "B"

ASTM C789 STANDARD



SECTION A-A (TOP AND BOTTOM SLAB JOINT REINFORCEMENT)



C850 CORNER OPTION "A" C850 CORNER OPTION "B"

ASTM C850 STANDARD

GENERAL NOTES:

Designs shown conform to ASTM C789 or ASTM C850. Refer to ASTM C789 or ASTM C850 for information or details not shown. For ASTM C789 designs, all reinforcing steel shall have a minimum specified yield stress of 65 ksi. For ASTM C850 designs, all reinforcing steel shall have a minimum specified yield stress of 60 ksi. All concrete shall be Class "H" Concrete with a minimum compressive strength of 5,000 psi. See SCP-MD standard sheet for miscellaneous details and notes not shown. Designed to the maximum fill height shown. In lieu of furnishing the designs shown on this sheet, the contractor may furnish an alternate design that is equal to or exceeds the box design for the design fill height in the table. Shop plans for alternate designs shall be submitted in accordance with Item "Precast Concrete Structures".

HS20 LOADING

Texas Department of Transportation Bridge Division

SINGLE BOX CULVERTS PRECAST
9'-0" SPAN

SCP-9

RECORD DRAWING
07/12/06

FILE: scp09ste.dgn	DN: GAF	CK: LMW	DN: BWH/TxDOT	CK: GAF
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