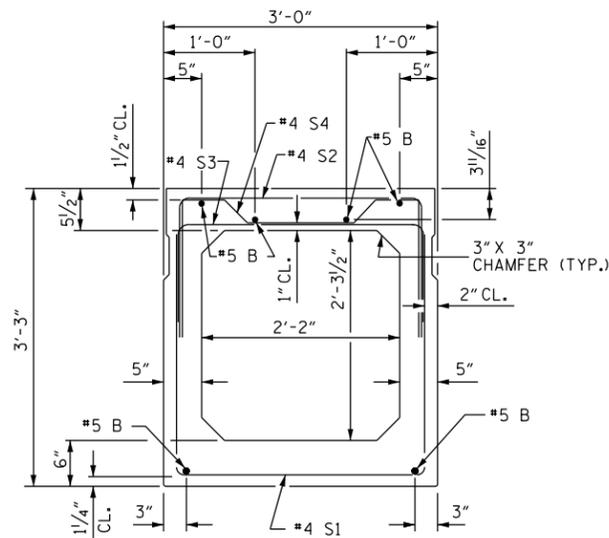


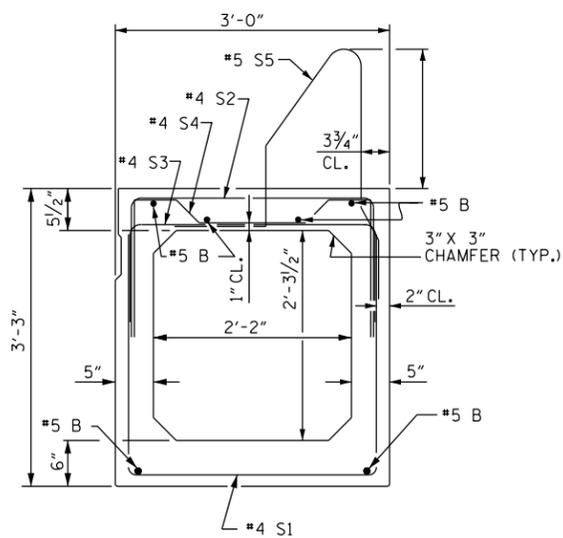
**END ELEVATION**

SHOWING PLACEMENT OF #5 & #4 "A" BARS AND LOCATION OF DOWEL HOLES. (INTERIOR BOX BEAM SECTION SHOWN-EXTERIOR SECTION SIMILAR EXCEPT SHEAR KEY LOCATION. STRAND LAYOUT NOT SHOWN.)



**INTERIOR BOX BEAM SECTION**

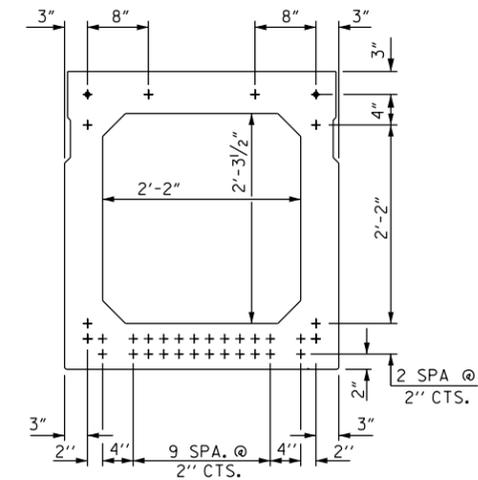
(STRAND LAYOUT NOT SHOWN)



**EXTERIOR BOX BEAM SECTION**

(STRAND LAYOUT NOT SHOWN)

**0.6" Ø LOW RELAXATION STRAND LAYOUT**

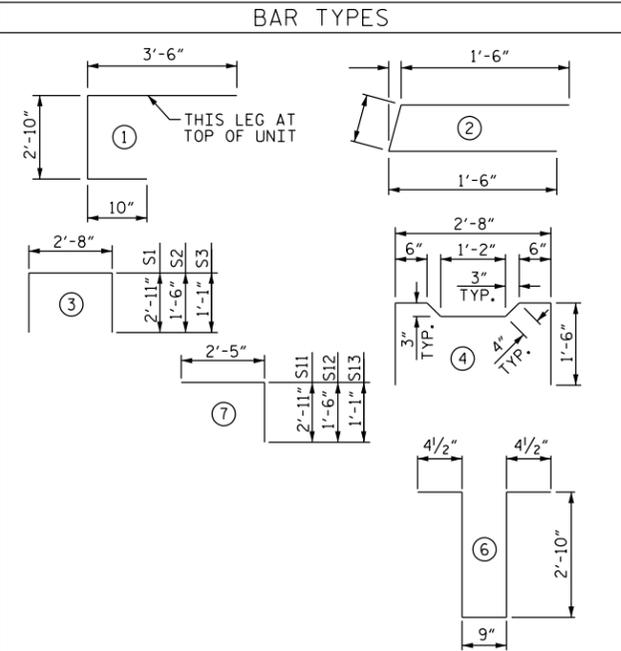


**TYPICAL STRAND LOCATION**

(-- STRANDS REQUIRED)  
(INTERIOR BOX BEAM SECTION SHOWN-EXTERIOR SECTION SIMILAR EXCEPT SHEAR KEY LOCATION)

**DEBONDING LEGEND**

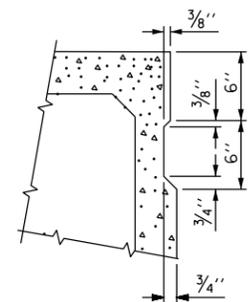
- FULLY BONDED STRANDS



ALL BAR DIMENSIONS ARE OUT TO OUT

**BILL OF MATERIAL FOR ONE BOX BEAM SECTION**

BAR NUMBER	SIZE	TYPE	EXTERIOR UNIT		INTERIOR UNIT	
			LENGTH	WEIGHT	LENGTH	WEIGHT
A1	10	#5	7'-2"	75	7'-2"	75
A2		#4				
B		#5 STR				
K1		#4	7'-2"		7'-2"	
K2		#4 STR				
S1		#4	8'-6"		8'-6"	
S2		#4	5'-8"		5'-8"	
S3		#4	4'-10"		4'-10"	
S4		#4	5'-10"		5'-10"	
S11		#4	5'-4"		5'-4"	
S12		#4	3'-11"		3'-11"	
S13		#4	3'-6"		3'-6"	
* S5		#5			--	--
REINFORCING STEEL			LBS.		LBS.	
* EPOXY COATED REINF. STEEL			LBS.			
--- P.S.I. CONCRETE			CU. YDS.		CU. YDS.	
0.6" Ø L.R. STRANDS			No.		No.	



**SHEAR KEY DETAIL**

NOTE: OMIT SHEAR KEY ON OUTSIDE FACE OF EXTERIOR BOX BEAMS.

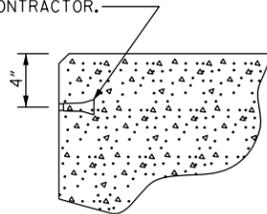
**CHAMFER DETAIL**  
SHOWING 6" VOID CHAMFER

**END VIEW**  
(SHOWING #4 "S" BARS IN END OF BEAM)

**DETAIL "B"**

EXTERIOR UNIT SHOWN, INTERIOR UNIT SIMILAR EXCEPT OMIT #5 S5 BARS. "B" BARS AND "A" BARS NOT SHOWN.

PERMITTED THREADED INSERT CAST IN OUTSIDE FACE OF EXTERIOR UNIT AND RECESSED 3/8" SIZE TO BE DETERMINED BY CONTRACTOR.



**THREADED INSERT DETAIL**

ASSEMBLED BY :	DATE :	TLA/GM
CHECKED BY :	DATE :	MAA/GM
DRAWN BY : TLA 5/05	REV. 5/1/06	RWW/TMG
CHECKED BY : GM 6/05	REV. 10/1/11	
	REV. 1/15	

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS
2			4			

PROJECT NO. \_\_\_\_\_

\_\_\_\_\_ COUNTY

STATION: \_\_\_\_\_

SHEET \_ OF \_

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
STANDARD  
3'-0" X 3'-3"  
PRESTRESSED CONCRETE  
BOX BEAM UNIT  
SPAN " "