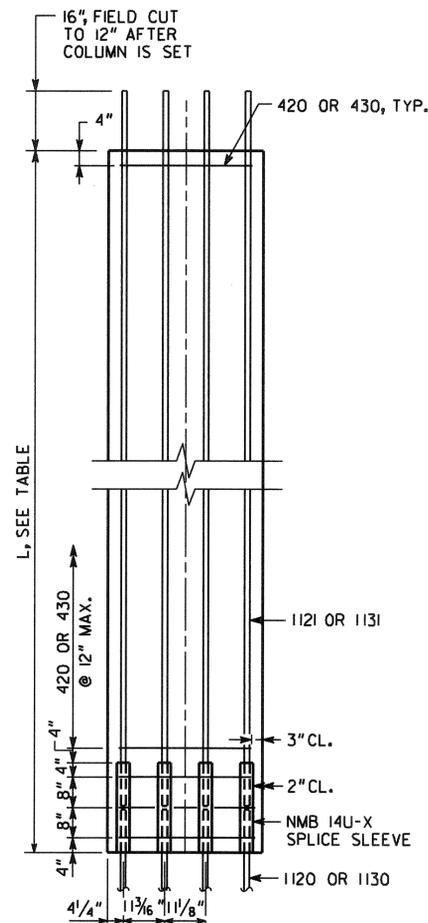
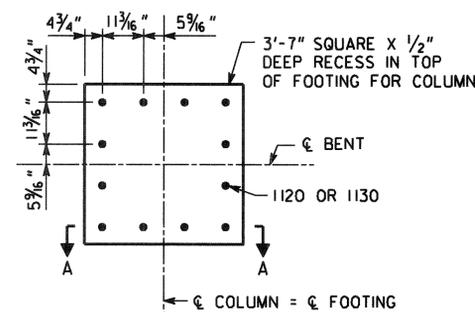


NOTES:

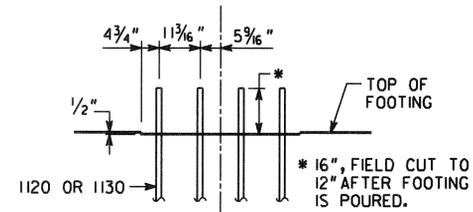
- 1) USE CLASS AAA CONCRETE WITH A MINIMUM 28-DAY STRENGTH OF 4500 PSI FOR THE PRECAST CAPS AND COLUMNS. USE CLASS AA CONCRETE FOR THE RISERS AT BENTS 2 AND 4 AND FOR ALL OF THE FOOTINGS. THE QUANTITY SHOWN FOR CLASS AA CONCRETE INCLUDES THE CLASS AA AND THE CLASS AAA CONCRETE.
- 2) FILL THE RECESS IN THE TOP OF THE FOOTING WITH EPOXY GROUT JUST PRIOR TO SETTING THE COLUMN. MAKE THE EPOXY GROUT USING A TYPE IV EPOXY ON THE GEORGIA DOT OFFICE OF MATERIALS AND RESEARCH QUALIFIED PRODUCTS LIST. ONCE THE COLUMN IS PLACED ON THE FOOTING AND BEFORE THE GROUT HAS SET, THE CONTRACTOR SHALL ENSURE THAT THE COLUMN IS PLUMB IN BOTH DIRECTIONS AND IN THE PROPER HORIZONTAL LOCATION ON THE FOOTING. COLUMNS SHALL BE ADEQUATELY BRACED UNTIL THE SPLICE SLEEVES ARE GROUTED AND THE GROUT IN THE SLEEVES AND THE JOINT DEVELOPS SUFFICIENT STRENGTH FOR THE COLUMN TO BE SELF-SUPPORTING (MINIMUM 24 HOURS AFTER GROUTING SLEEVES).
- 3) HORIZONTAL TOLERANCE FOR PLACEMENT OF FOOTING DOWEL BARS IS $\pm 1/8"$.
- 4) NMB SPLICE SLEEVES SHALL BE INSTALLED AND GROUTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- 5) DO NOT SET THE COLUMNS ON THE FOOTINGS UNTIL THE FOOTING CONCRETE IS AT LEAST 4 DAYS OLD. DO NOT SET BEAMS ON THE CAPS UNTIL THE FOOTING, COLUMN, RISER, AND CAP CONCRETE ACHIEVES A STRENGTH OF 2500 PSI.
- 6) COAT THE TOP OF THE COLUMN WITH APPROXIMATELY $1/4"$ OF EPOXY GROUT JUST PRIOR TO SETTING CAP. MAKE THE EPOXY GROUT USING A TYPE IV EPOXY ON THE GEORGIA DOT OFFICE OF MATERIALS AND RESEARCH QUALIFIED PRODUCTS LIST. ONCE THE CAP IS PLACED ON THE COLUMN AND BEFORE THE GROUT HAS SET, THE CONTRACTOR SHALL ENSURE THAT THE CAP FACES ARE PLUMB AND THAT THE CAP IS IN THE PROPER HORIZONTAL LOCATION ON THE COLUMNS. CAPS SHALL BE ADEQUATELY BRACED UNTIL THE SPLICE SLEEVES ARE GROUTED AND THE GROUT IN THE SLEEVES AND THE JOINT DEVELOPS SUFFICIENT STRENGTH FOR THE CAP TO BE SELF-SUPPORTING (MINIMUM 24 HOURS AFTER GROUTING SLEEVES).
- 7) HORIZONTAL TOLERANCE FOR THE #11 COLUMN BARS IS $\pm 1/8"$ AT TOP OF COLUMN.
- 8) POUR THE RISERS ON THE BENTS 2 AND 4, INTERIOR AND EXTERIOR AFTER THE CAP HAS BEEN SET ON THE COLUMNS. APPLY EPOXY RESIN ADHESIVE TYPE II TO THE TOP OF CAP JUST PRIOR TO POURING THE RISER CONCRETE.



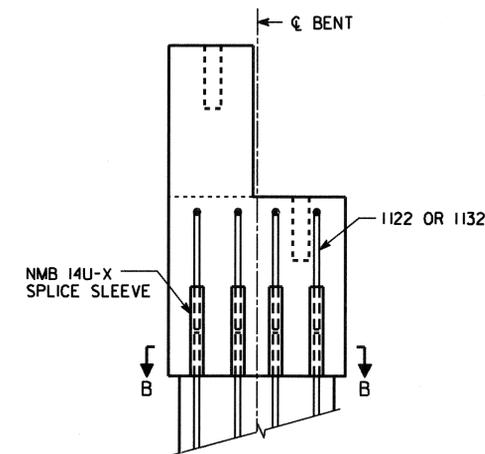
COLUMN DETAIL
BENTS 2, 3, AND 4 INT. AND EXT.



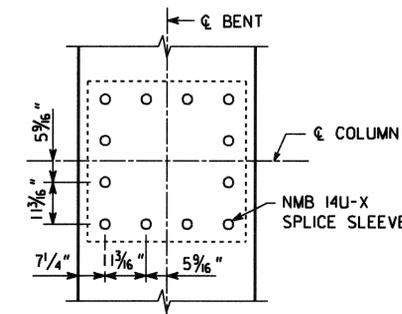
DETAIL AT TOP OF FOOTING
BENTS 2, 3, AND 4 INT. AND EXT.



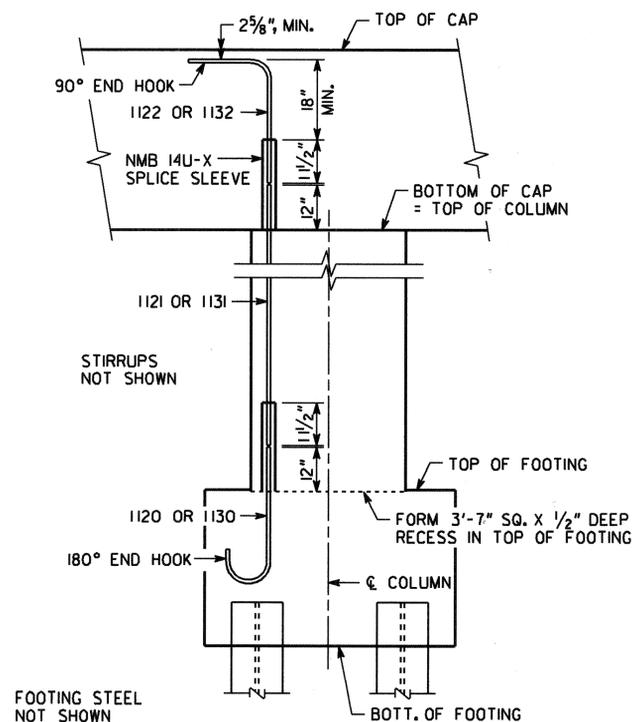
SECTION A-A
BENTS 2, 3, AND 4 INT. AND EXT.



CAP DETAIL
(BENTS 2 AND 4 INT. AND EXT. SHOWN)
(BENT 3 EXT. AND INT. SIMILAR)



SECTION B-B
BENTS 2, 3, AND 4 INT. AND EXT.



COLUMN BAR CONNECTIONS
BENTS 2, 3, AND 4 INT. AND EXT.

BENT	COLUMN	L	BENT	COLUMN	L
2	1	28'-6"	4	1	29'-7 ⁷ / ₁₆ "
	2	28'-6"		2	29'-7 ⁷ / ₁₆ "
	3	29'-4 ³ / ₁₆ "		3	30'-5 ¹ / ₄ "
	4	29'-4 ³ / ₁₆ "		4	30'-5 ¹ / ₄ "
	5	29'-1 ¹ / ₁₆ "		5	30'-2 ⁵ / ₈ "
	6	29'-1 ¹ / ₁₆ "		6	30'-2 ⁵ / ₈ "
	7	28'-4 ⁵ / ₁₆ "		7	29'-5 ³ / ₁₆ "
	8	28'-4 ⁵ / ₁₆ "		8	29'-5 ³ / ₁₆ "
3	1	30'-10 ⁹ / ₁₆ "			
	2	30'-10 ⁹ / ₁₆ "			
	3	31'-8 ¹ / ₂ "			
	4	31'-8 ¹ / ₂ "			
	5	31'-6 ¹ / ₈ "			
	6	31'-6 ¹ / ₈ "			
	7	30'-8 ³ / ₄ "			
	8	30'-8 ³ / ₄ "			

APPROVED FOR CONSTRUCTION 1/19/08

BRIDGE NO. 1



GEORGIA
DEPARTMENT OF TRANSPORTATION
PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN

PRECAST DETAILS
CR 98 (KIA BOULEVARD) OVER I-85

TROUP COUNTY CSNHS-0008-00(232)

SCALE: NO SCALE JULY 2007

DESIGNED	JPT	CHECKED	RHC	REVIEWED	WMD
DRAWN	MLF/JJA	DESIGN GROUP	SWW	APPROVED	PVL

BRIDGE SHEET
16 OF 20