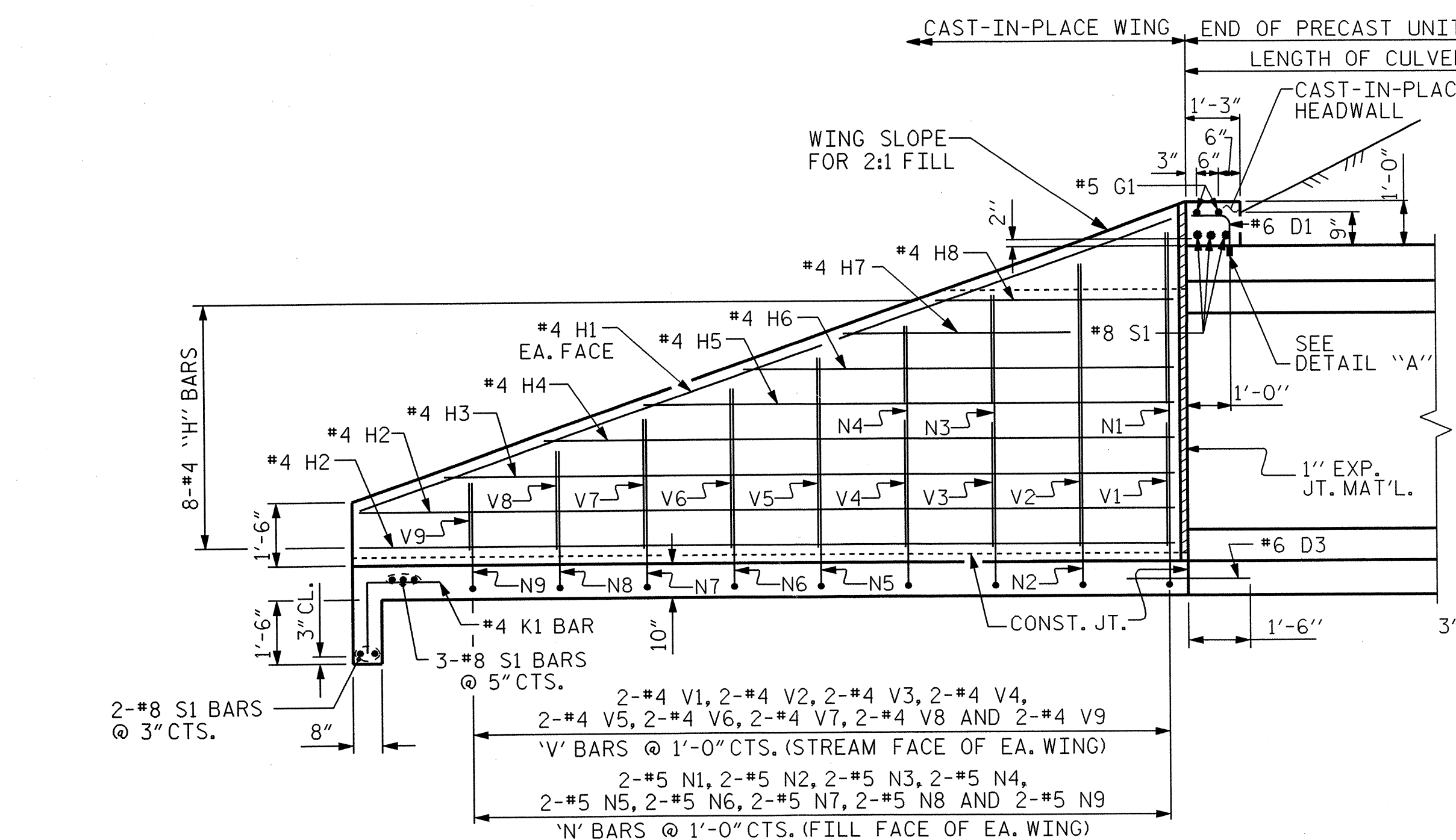
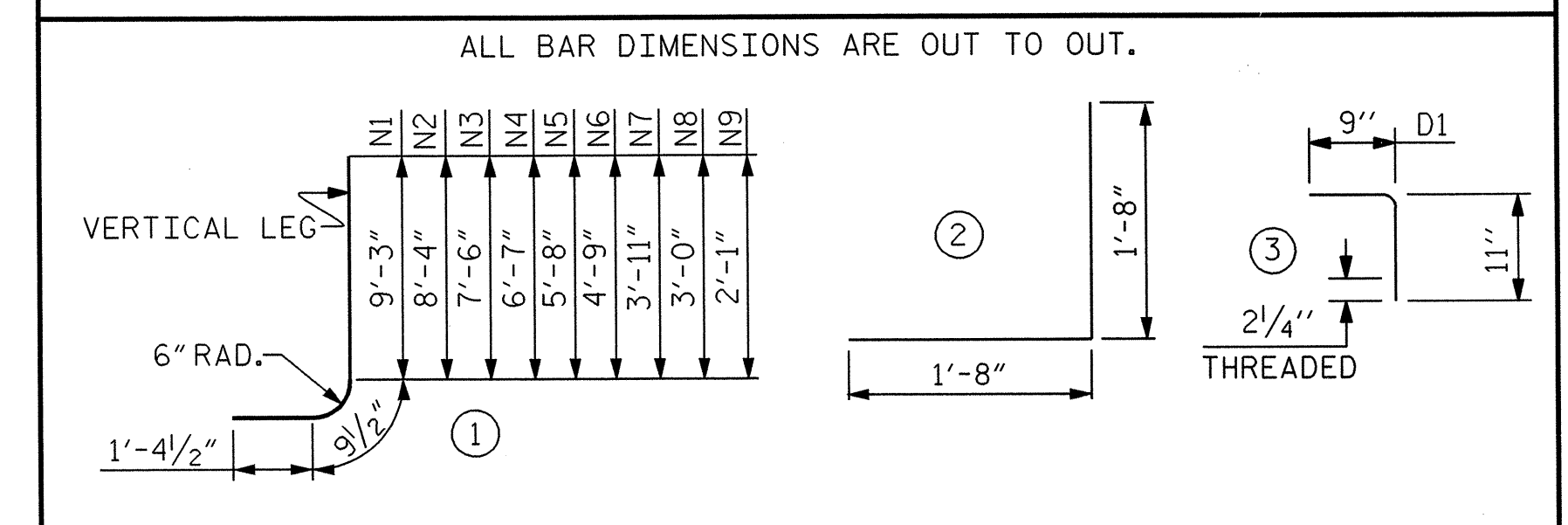


**BILL OF MATERIAL**

BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR NO.	SIZE	TYPE	LENGTH	WEIGHT				
A100	9	#5	STR	22'-5"	210	K1	12	#4	2	3'-4"	27		
A101	4	#5	STR	20'-1"	84								
A102	4	#5	STR	17'-10"	74	N1	4	#5	1	11'-5"	48		
A103	4	#5	STR	15'-6"	65	N2	4	#5	1	10'-6"	44		
A104	4	#5	STR	13'-2"	55	N3	4	#5	1	9'-8"	40		
A105	4	#5	STR	10'-10"	45	N4	4	#5	1	8'-9"	37		
A106	4	#5	STR	8'-7"	36	N5	4	#5	1	7'-10"	33		
A107	4	#5	STR	6'-3"	26	N6	4	#5	1	6'-11"	29		
A108	4	#5	STR	3'-11"	16	N7	4	#5	1	6'-1"	25		
A109	4	#5	STR	1'-8"	7	N8	4	#5	1	5'-2"	22		
						N9	4	#5	1	4'-3"	18		
A200	6	#5	STR	22'-5"	140								
A201	4	#5	STR	19'-4"	81	S1	11	#8	STR	26'-0"	764		
A202	4	#5	STR	15'-10"	66								
A203	4	#5	STR	12'-5"	52	V1	4	#4	STR	8'-8"	23		
A204	4	#5	STR	8'-11"	37	V2	4	#4	STR	7'-9"	21		
A205	4	#5	STR	5'-6"	23	V3	4	#4	STR	6'-11"	18		
A206	4	#5	STR	2'-0"	8	V4	4	#4	STR	6'-0"	16		
						V5	4	#4	STR	5'-1"	14		
						V6	4	#4	STR	4'-2"	11		
D1	48	#6	3	1'-8"	120	V7	4	#4	STR	3'-4"	9		
D2	24	#4	STR	3'-4"	53	D3	24	#6	STR	3'-1"	111		
D3	24	#6	STR	3'-1"	111	V8	4	#4	STR	2'-5"	6		
D4	2	#6	STR	3'-5"	10	V9	4	#4	STR	1'-6"	4		
									REINFORCING STEEL	LBS	3121		
									CLASS A CONCRETE				
									OUTLET WING, 1 CURTAIN WALL			19.7	CY
									1 SILL			1.1	CY
									1 HEADWALL			1.2	CY
									TOTAL		22.0	CY	

**BAR TYPES**

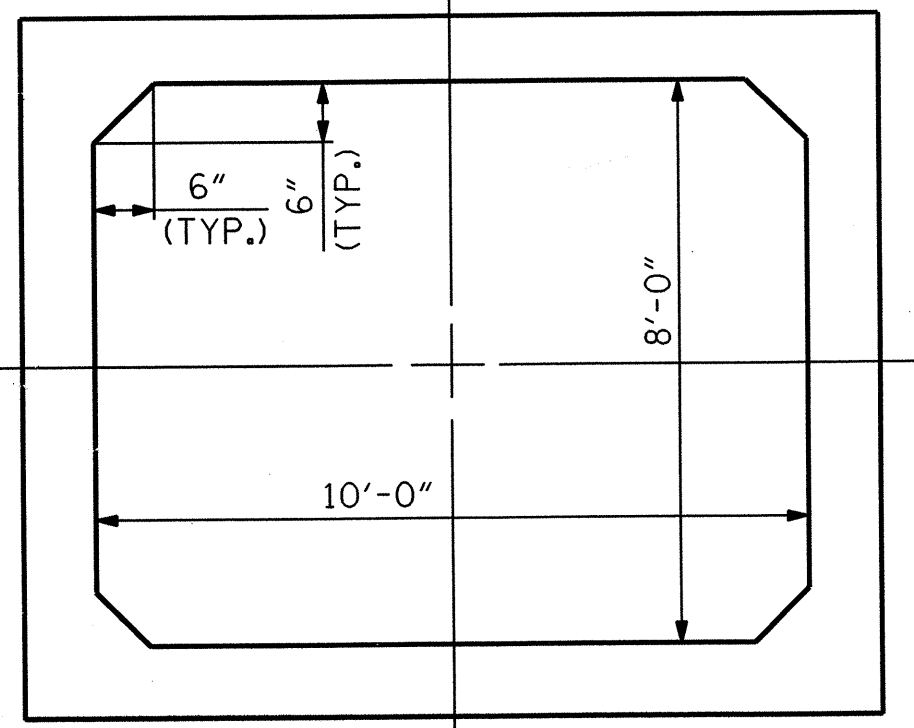


**SECTION A-A**

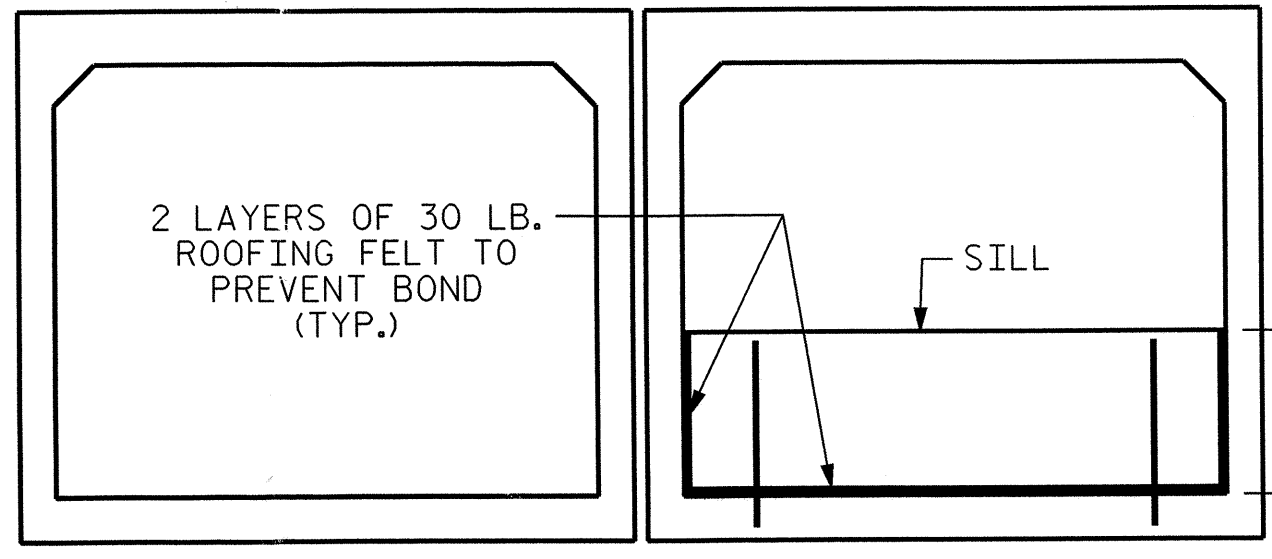
(SHOWING OUTLET END UNIT)  
 NOTE: NO END UNIT SHALL BE LESS THAN 3'-0".

**TYPICAL PRECAST UNIT**

(INTERIOR UNIT SHOWN)

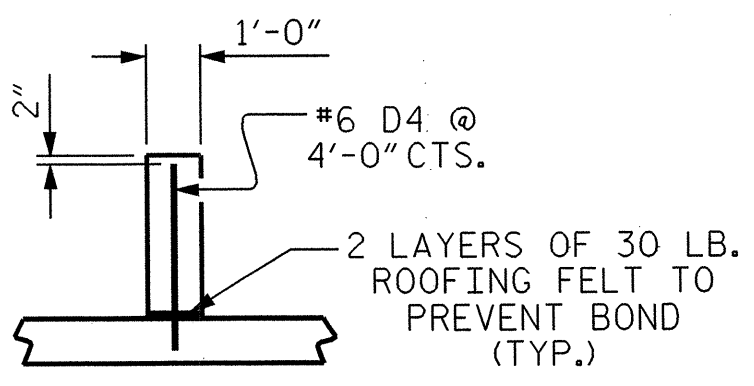


**TYPICAL SECTION**



**ELEVATION**

**ELEVATION**

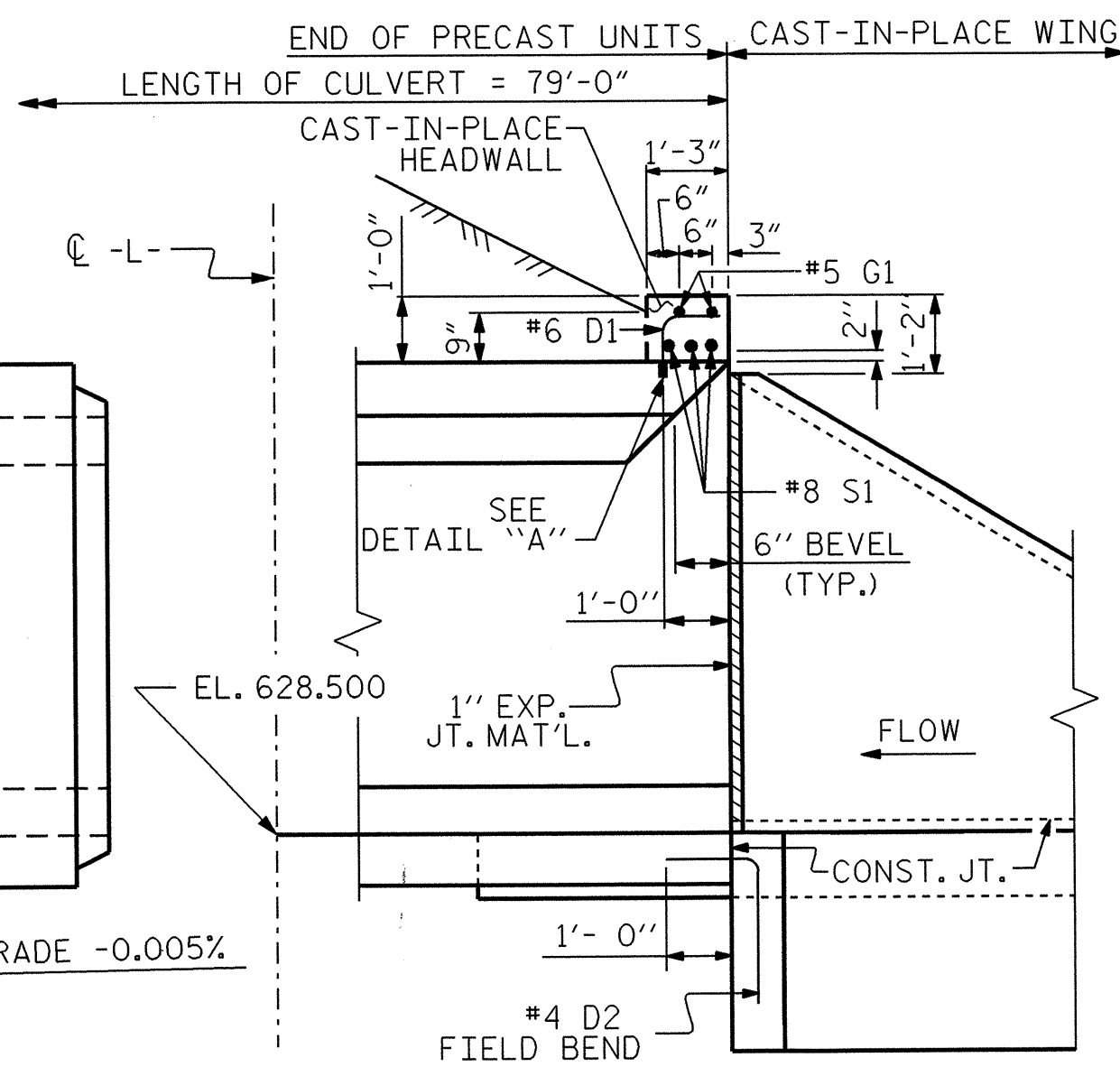


**SECTION THROUGH SILL**

**CULVERT SILL DETAILS**

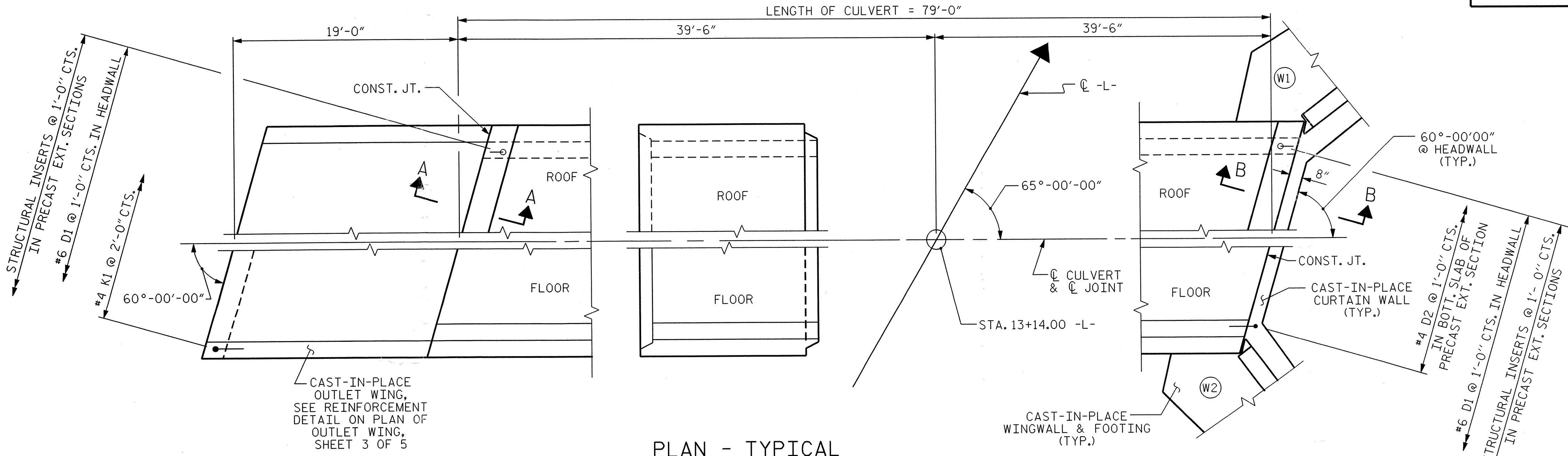
**SECTION B-B**

(SHOWING INLET END UNIT)  
 NOTE: NO END UNIT SHALL BE LESS THAN 3'-0".



**DETAIL A**

\*\* RICHMOND STRUCTURAL CONNECTION INSERTS  
 3/4" TYPE EC-2, 2 STRUT OR EQUAL;  
 LENGTH = 4 1/2", INSERT WIDTH = 2",  
 DIA. = 3/4". NO. REQUIRED = 48



**PLAN - END UNIT**

**PLAN - TYPICAL PRECAST UNIT**

(INTERIOR UNIT SHOWN)

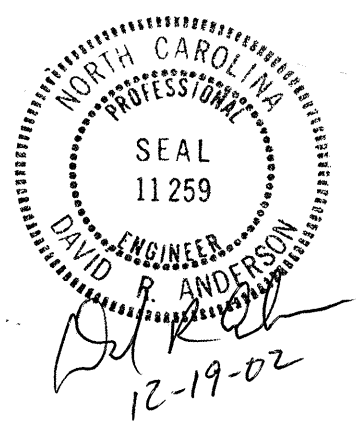
**PLAN - END UNIT**

PROJECT NO. B-3424  
CABARRUS COUNTY  
 STATION: 13+14.00 -L-

SHEET 2 OF 11

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**PRECAST REINFORCED CONCRETE BOX CULVERT**  
 10 FT. X 8 FT.



REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			C-2
2			4			11

ASSEMBLED BY : K. P. SEDA	DATE : 5/7/02
CHECKED BY : T. A. WALTER	DATE : 5/13/02
DRAWN BY : FCJ 8/22/89	REV. 8-28-82 ELR/GRP
CHECKED BY : CRK 8/22/89	REV. 5-14-89 RWW/LES
	REV. 2-15-02 RWW/JTE