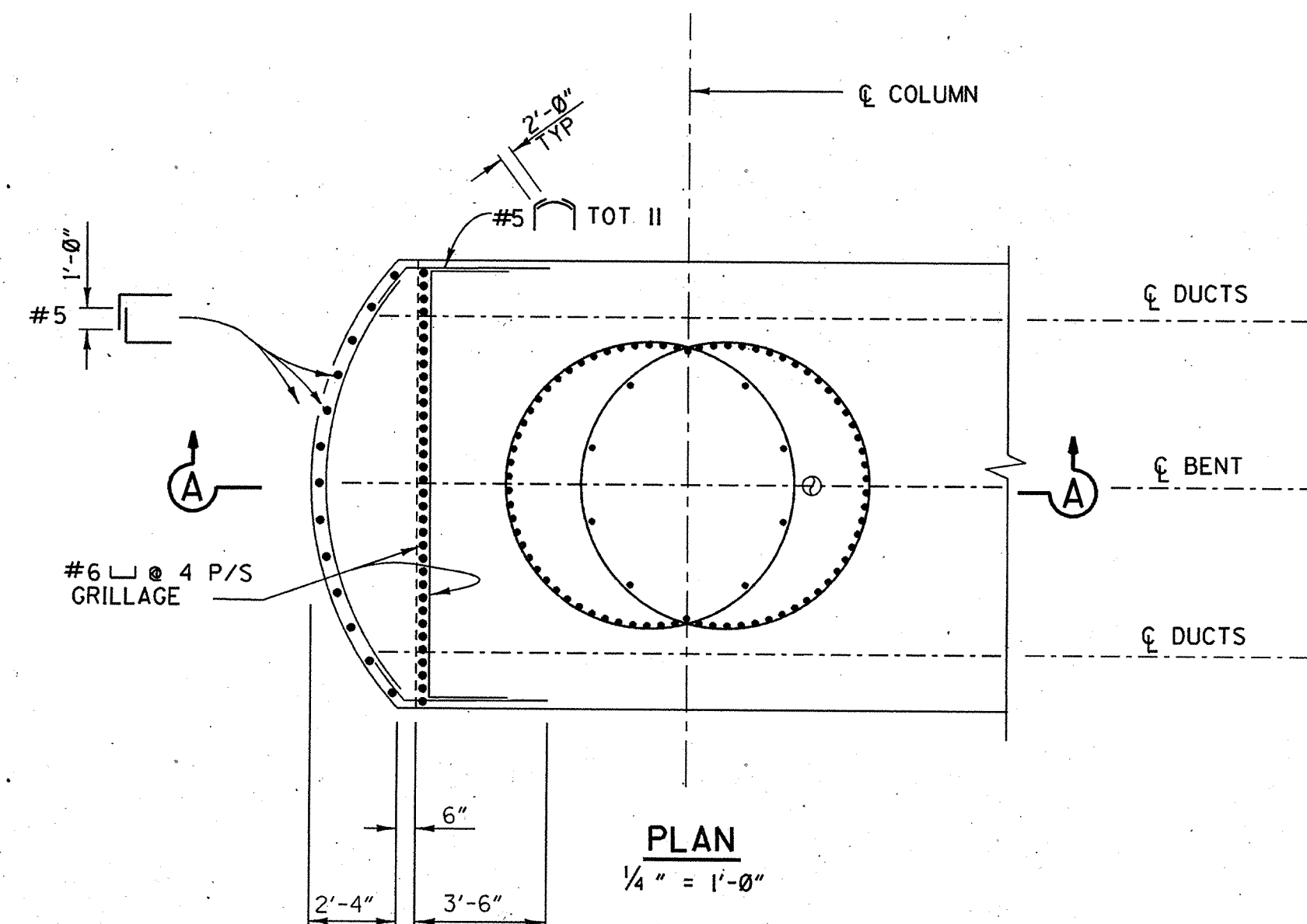
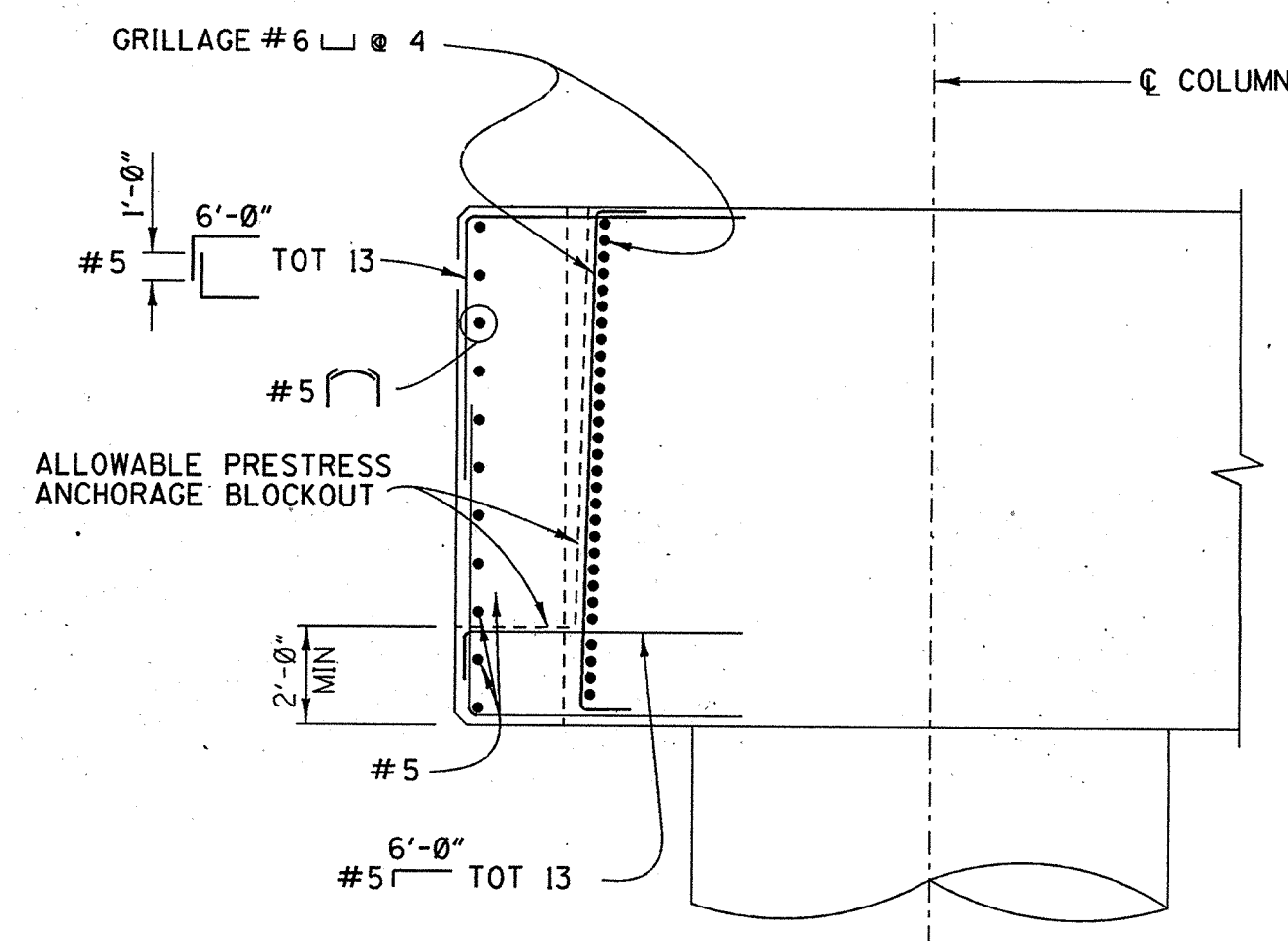


ELEVATION
1/8" = 1'-0"



PLAN
1/4" = 1'-0"

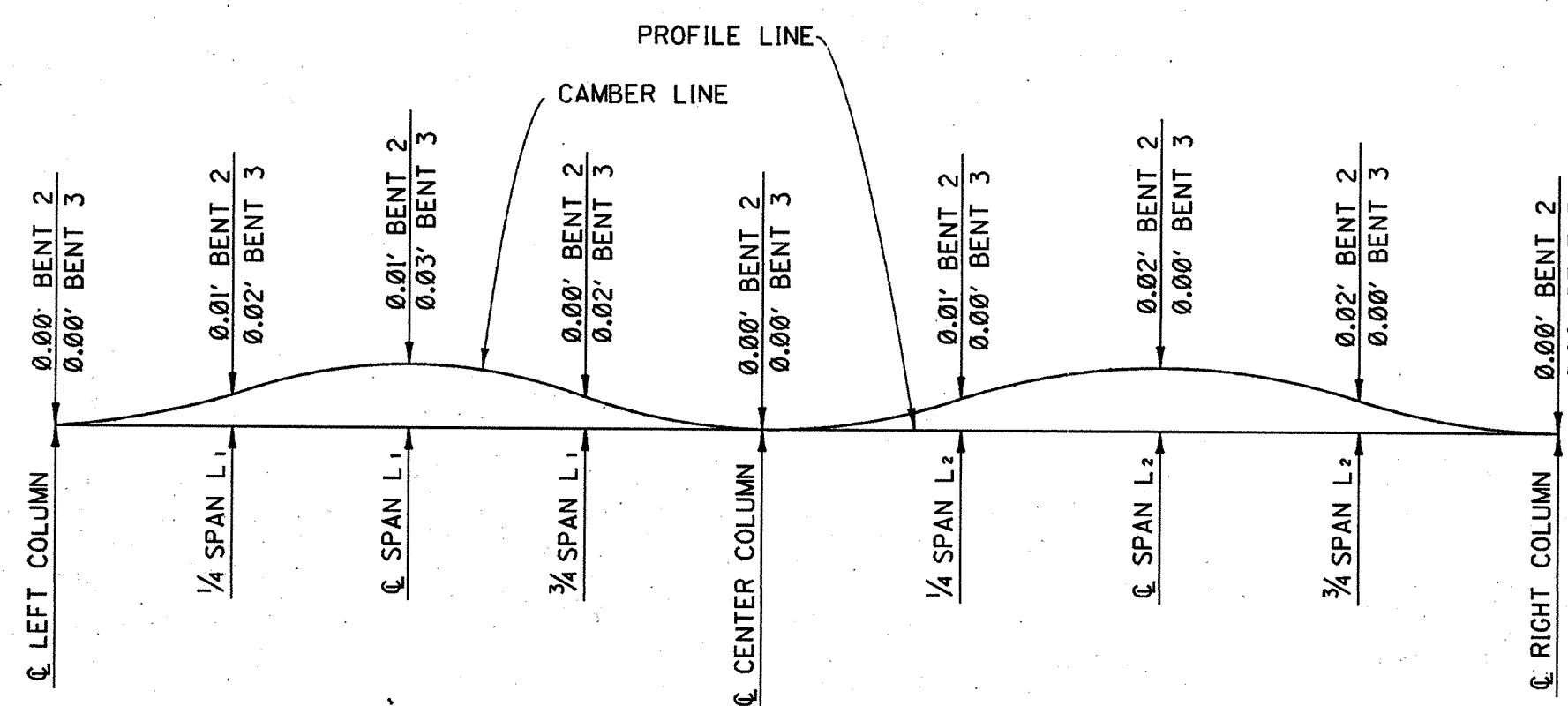


SECTION A-A
1/4" = 1'-0"

ANCHORAGE BLOCKOUT DETAILS

TABLE 3
PRESTRESSING DATA

BENT	PJACK	FORCE COEFFICIENT	L ₁	L ₂
2	8520	0.772	65'-5"	73'-8"
3	9470	0.787	81'-10 1/2"	69'-8 3/4"



NOTE: CAMBER DIAGRAM DOES NOT INCLUDE ALLOWANCE FOR FALSEWORK SETTLEMENT.

BENT CAP CAMBER DIAGRAM

NO SCALE

PRESTRESSING NOTES:

- 270 KSI LOW RELAXATION STRAND:
PJACK = PJACK KIPS (SEE TABLE 3)
ANCHOR SET = 3/8 INCH
- CONCRETE: F'C = 5000 PSI @ 28 DAYS
F'CI = 3500 PSI @ TIME OF STRESSING
- CONTRACTOR SHALL SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT FORCE COEFFICIENT TIMES JACKING STRESS.
- STRESSING SHALL BE PERFORMED FROM ONE END.
- SEE STANDARD DRAWING 88-5 FOR ADDITIONAL NOTES AND DETAILS.
- PRESTRESSING SHALL BE DIVIDED EQUALLY ABOUT THE CENTER LINE OF BENT.
- CLEARANCE FOR POST-TENSIONED DUCTS:
(1) HORIZONTAL CLEARANCE BETWEEN DUCTS = 2 1/2" MIN
(2) DUCTS MAY BE BUNDLED VERTICAL IN GROUPS OF 2 MAX
(3) VERTICAL CLEARANCE BETWEEN BUNDLED DUCTS = 3" MIN
- THE CONTRACTOR SHALL SUBMIT WORKING DRAWINGS TO THE ENGINEER FOR APPROVAL. THE WORKING DRAWINGS SHALL INCLUDE ANY ADDITIONS OR REARRANGEMENT OF REINFORCING STEEL FROM THAT SHOWN ON THE CONTRACT DRAWINGS TO PLACE DUCTS ACCURATELY.

STRESSING SEQUENCE:

- PERFORM EQUAL STRESSING OF ALL THE BENT CAP STRANDS TO 40% OF PJACK (TABLE 3).
- PERFORM EQUAL STRESSING OF ALL THE SUPERSTRUCTURE STRANDS TO 60% OF PJACK (SEE "GIRDER LAYOUT" SHEET).
- PERFORM EQUAL STRESSING OF ALL THE BENT CAP STRANDS TO 100% OF PJACK.
- PERFORM EQUAL STRESSING OF ALL THE SUPERSTRUCTURE STRANDS TO 100% OF PJACK (SEE "PRESTRESSING NOTES" ON "GIRDER LAYOUT" SHEET FOR DISTRIBUTION OF PRESTRESS FORCE BETWEEN GIRDERS).

URS GREINER, INC.
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ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY	
JAMBOREE ROAD GRADE SEPARATION AT EDINGER AVENUE	
BENTS 2 & 3 PRESTRESSING DETAILS	
DESIGNED: J.W.	CHECKED: G.L.R.
DRAWN: A. GOMEZ	DATE: 6-30-97
SCALE: AS SHOWN	DATE: 6-97
SHEET 107 OF 130	

DE 1 (16157)