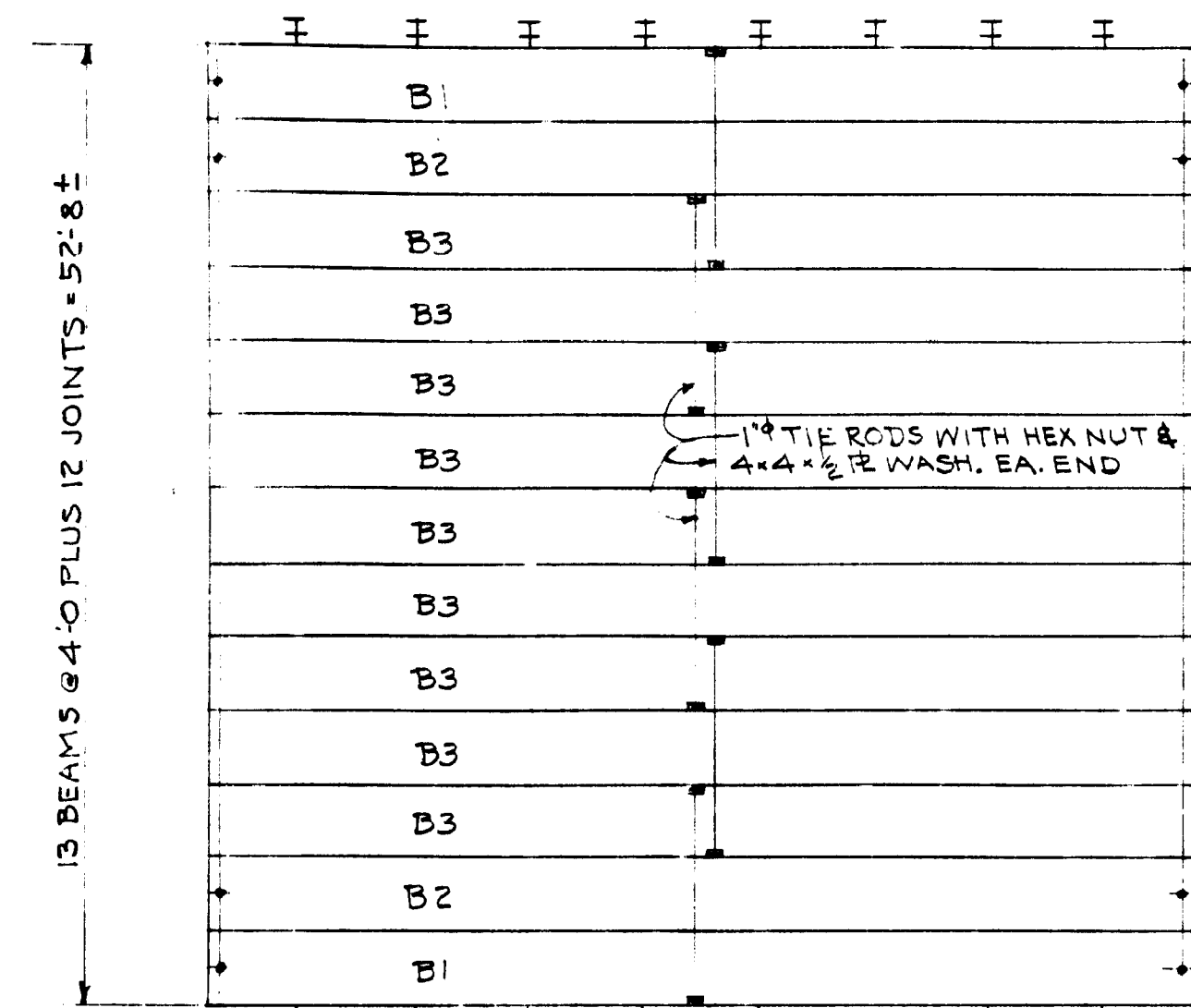
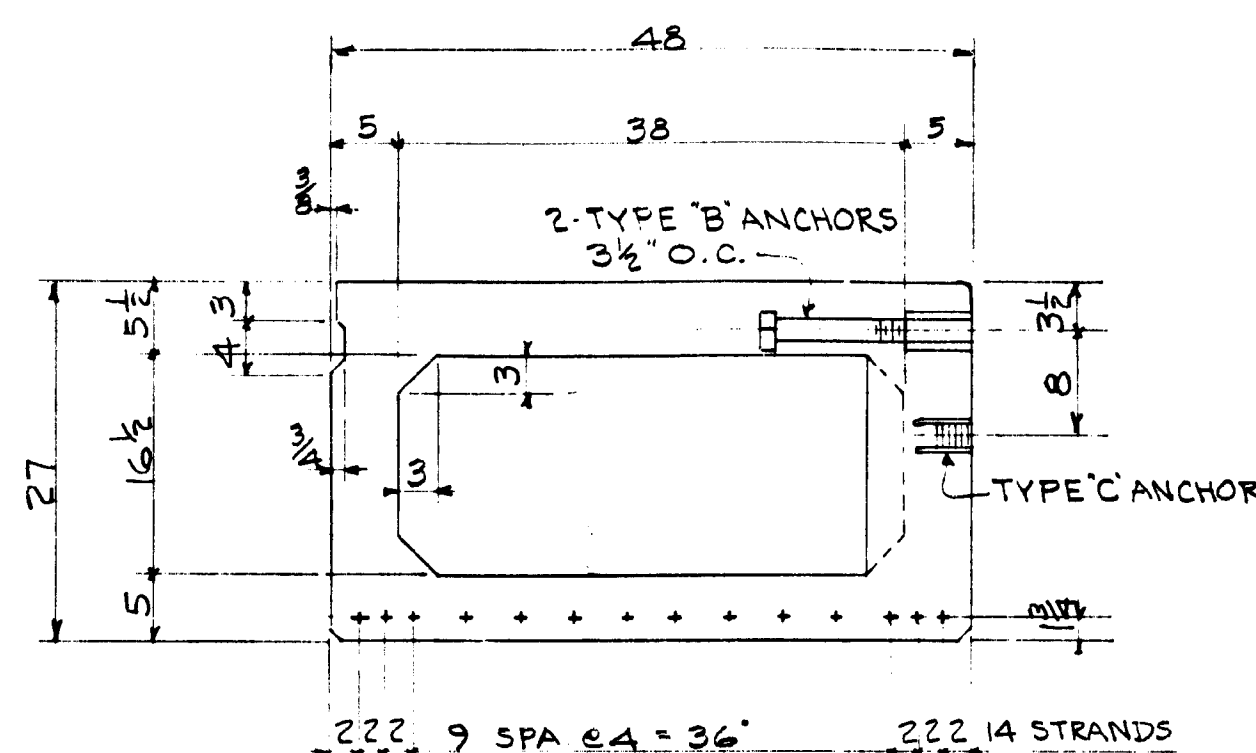
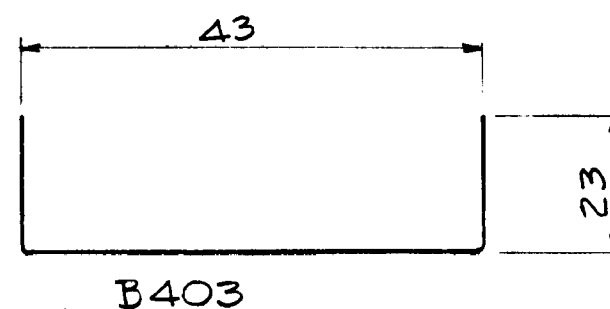




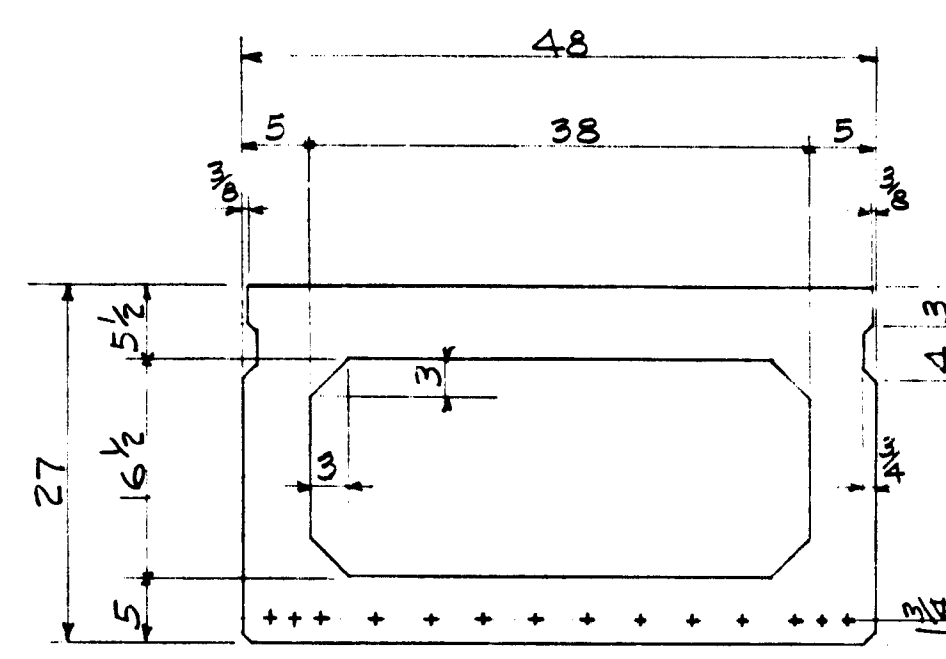
ERECTION DIAGRAM



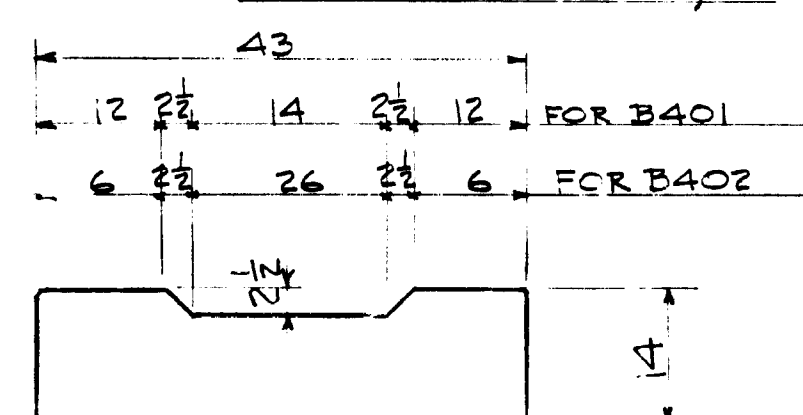
CROSSSECTION-B1
NOTE: STRAND PATTERN
TYPICAL FOR ALL BEAMS



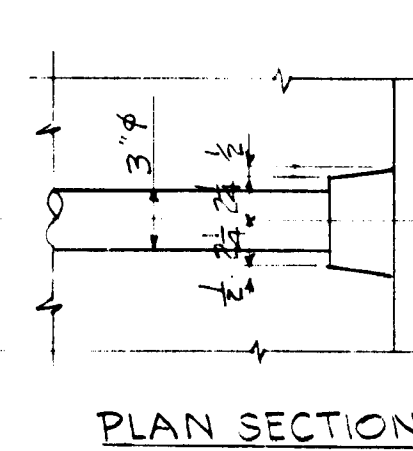
B403



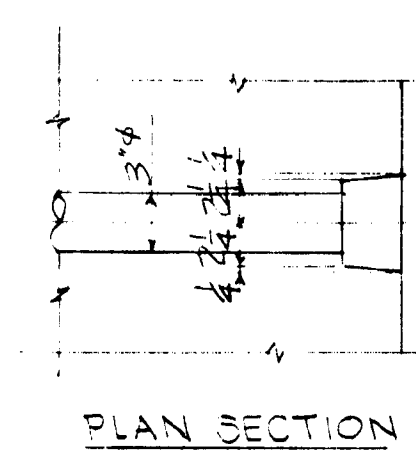
CROSSSECTION-B2, B3



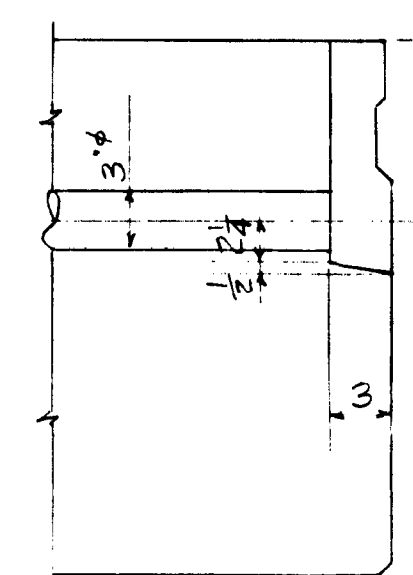
B401
B402



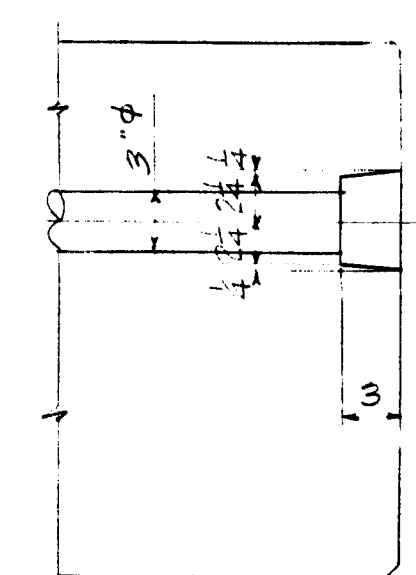
PLAN SECTION



PLAN SECTION

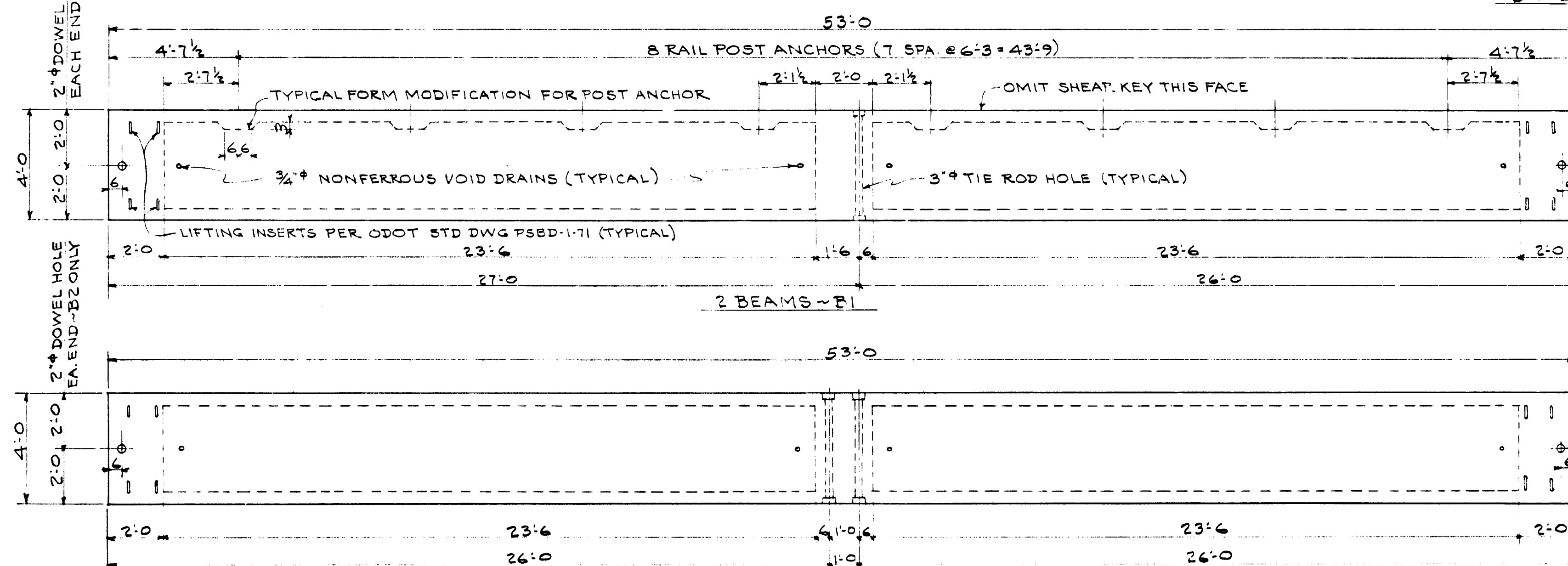


SECTION AT
SHEAR KEY

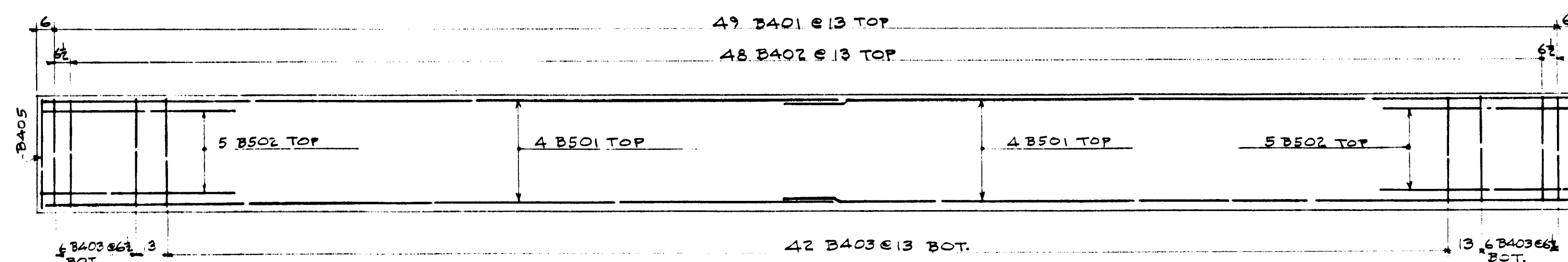


SECTION
AT FASCIA

DETAILS OF TIE ROD ANCHOR RECESSES

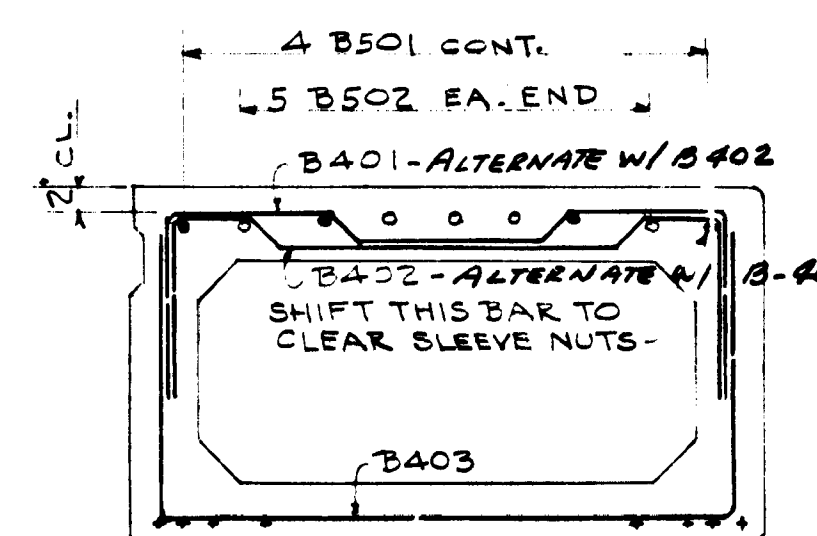


2 BEAMS-B2
9 BEAMS-B3

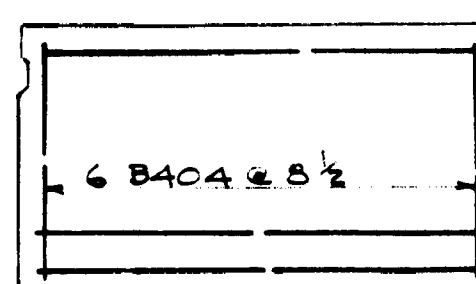


REINFORCING STEEL PLAN

MARK	NO	SHAPE	LEN.
B501	104	STR	27'3"
B502	130	STR	6'6"
B401	637	BT	6'0"
B402	624	BT	6'0"
B403	676	BT	7'5"
B404	156	STR	1'11"
B405	130	STR	3'8"



REIN. STEEL SECTION



END VIEW

NOTES

- Concrete Stresses:
Min. concrete strength at 28 days = 5,000 p.s.i.
Min. concrete strength at release of strands = 4,000 p.s.i.
- Prestressing strands: 1/2" dia., 270K, 7 wire, uncoated, stress relieved strands.
Initial tension = 28,900 lbs. per strand.
- Tie rod assemblies and post anchors to be galvanized per ODOT specs. sec. 711.02
- Tops of beams to be finished with a burlap drag or burlap to a uniform gritty texture
- Loading - H320-44
- Beam Weight: - 43,500 lbs.
- Waterproof ends of beams

Bridge No. SEC FRA-62-918

Project No. 809 (78)

Fabricator: RANCE UNIVERSAL INC.

Drawing No. 10F1

Detail: PRESTRESSED CONCRETE BEAM

RELIANCE UNIVERSAL INC.
500 W. WHITTIER ST. COLUMBUS, OHIO
OHIO DEPARTMENT OF TRANSPORTATION
BUREAU OF BRIDGES AND STRUCTURAL DESIGN
DATE: 11/16/90 BY: JH

TOLERANCES	REVISIONS	DATE	BY
DECIMAL	1	11/16/90	JH
FRACTIONAL	2		
ANGULAR	3		
	4		
	5		
	6		
	7		
	8		
	9		
	10		
	11		
	12		
	13		
	14		
	15		
	16		
	17		
	18		
	19		
	20		
	21		
	22		
	23		
	24		
	25		
	26		
	27		
	28		
	29		
	30		
	31		
	32		
	33		
	34		
	35		
	36		
	37		
	38		
	39		
	40		
	41		
	42		
	43		
	44		
	45		
	46		
	47		
	48		
	49		
	50		
	51		
	52		
	53		
	54		
	55		
	56		
	57		
	58		
	59		
	60		
	61		
	62		
	63		
	64		
	65		
	66		
	67		
	68		
	69		
	70		
	71		
	72		
	73		
	74		
	75		
	76		
	77		
	78		
	79		
	80		
	81		
	82		
	83		
	84		
	85		
	86		
	87		
	88		
	89		
	90		
	91		
	92		
	93		
	94		
	95		
	96		
	97		
	98		
	99		
	100		

PRESTRESSED BEAM DETAILS
BRIDGE NO. FRA-62-918
OVER SCIOTO RIVER
DATE: 11/16/90 BY: JH
SCALE: MATERIAL: DRAWING NO. 10F1