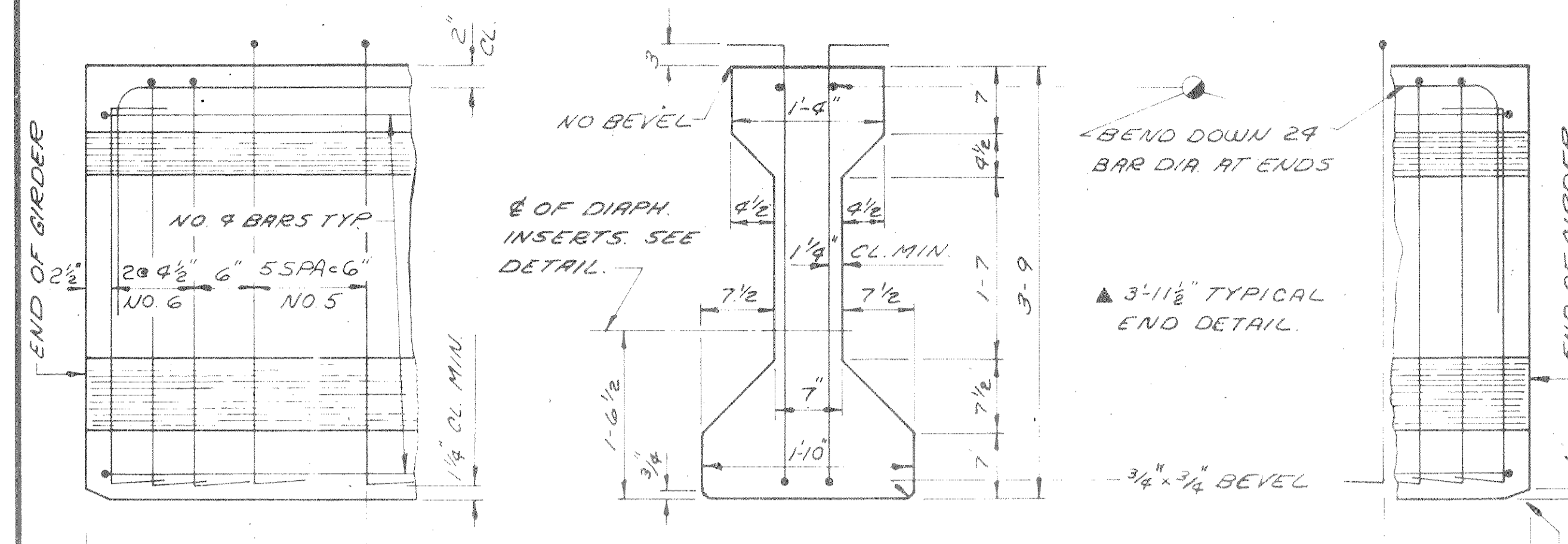


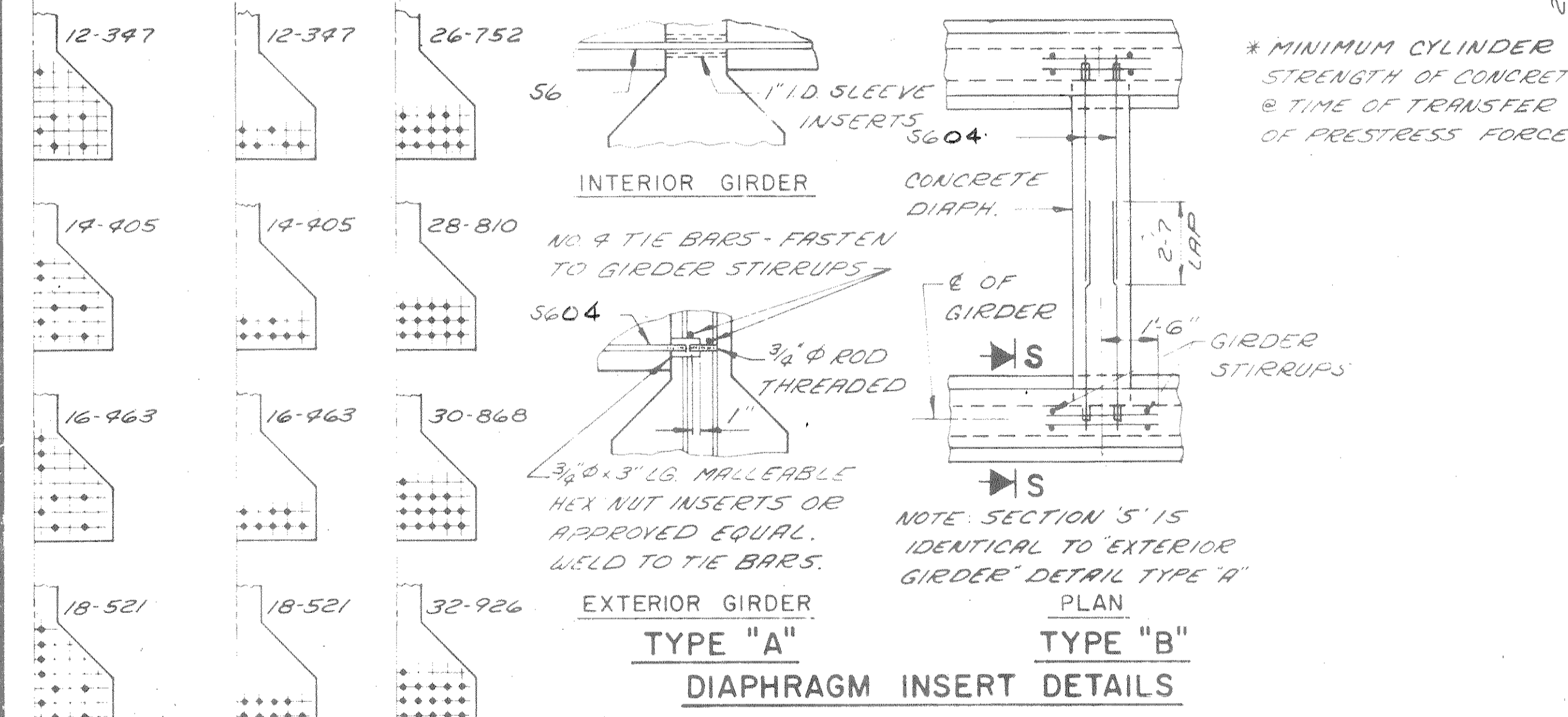
GIRDER NOTES

TOP OF GIRDERS TO BE ROUGH FLOATED AND BROOMED TRANSVERSLEY FOR BONDING TO THE SLAB.
 THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING & ERECTING THE GIRDERS. ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.
 PRESTRESSING STRANDS SHALL BE 1/2" - 7 WIRE STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 p.s.i. AND SHALL BE FLUSH WITH THE ENDS OF THE GIRDER. INSERTS SHALL BE PLACED ON 4" CTRS. SYMMETRICALLY ABOUT THE @ OF DIAPHRAGMS IN SPANS.
 ALL STIRRUPS SHALL BE IN PAIRS AND THE SPACING SHOWN IN "ELEVATION" IS MAXIMUM. THE LOCATION SHALL BE SHOWN IN THE SHOP DRAWINGS.
 BEND EACH END OF NO. 4 AND NO. 5 STIRRUPS 6" AND NO. 6 STIRRUPS 6 1/2".
 ENDS OF STRANDS SHALL BE PAINTED WITH NON-STRAINING GRAY NON-BITUMINOUS JOINT SEALER. (THIS APPLIES ONLY TO THOSE ENDS OF GIRDERS THAT ARE FINALLY EXPOSED.)
 DATA SHOWN IN "DEFLECTION DATA" IS THEORETICAL AND MAY VARY WITH CONCRETE STRENGTH, VARIABLE PRESTRESS CONDITIONS AND PRESTRESS LOSSES.

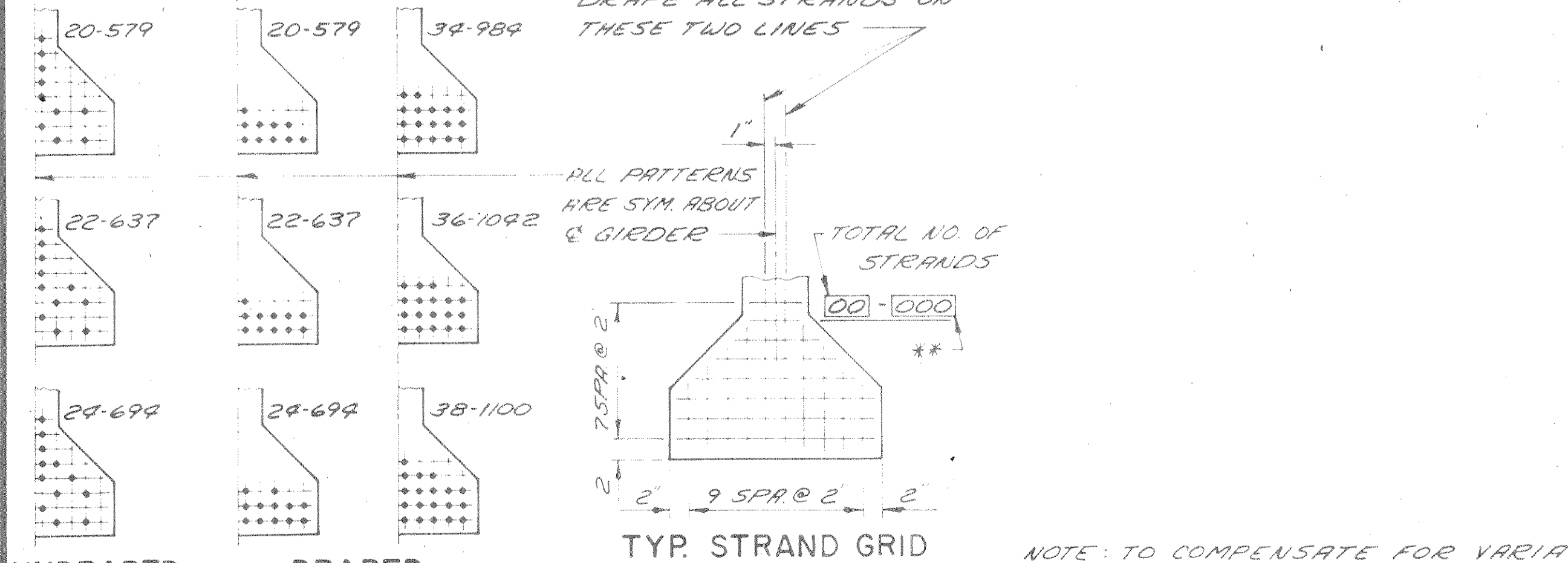


45" GIRDER - ELEVATION & TYPICAL SECTION IN SPAN

GIRDER DATA		DEFLECTION DATA (IN.)		TYPE OF STRANDS		DRAPED PATTERN					UNDRAPED PATTERN	
SPAN LENGTH	L	D	E	F	STRESS RELIEVED LOW RELAXATION	TOTAL NO OF STRANDS	f'ci * (P.S.I.)	(INCHES)			TOTAL NO OF STRANDS	f'ci * (P.S.I.)
								A	B	C		
86'-1"	2 3/8	1 3/16	1 3/16	3/16	STRESS RELIEVED LOW RELAXATION	34	5'100	34"	2'14"	15'14"	5"	



DIAPHRAGM INSERT DETAILS

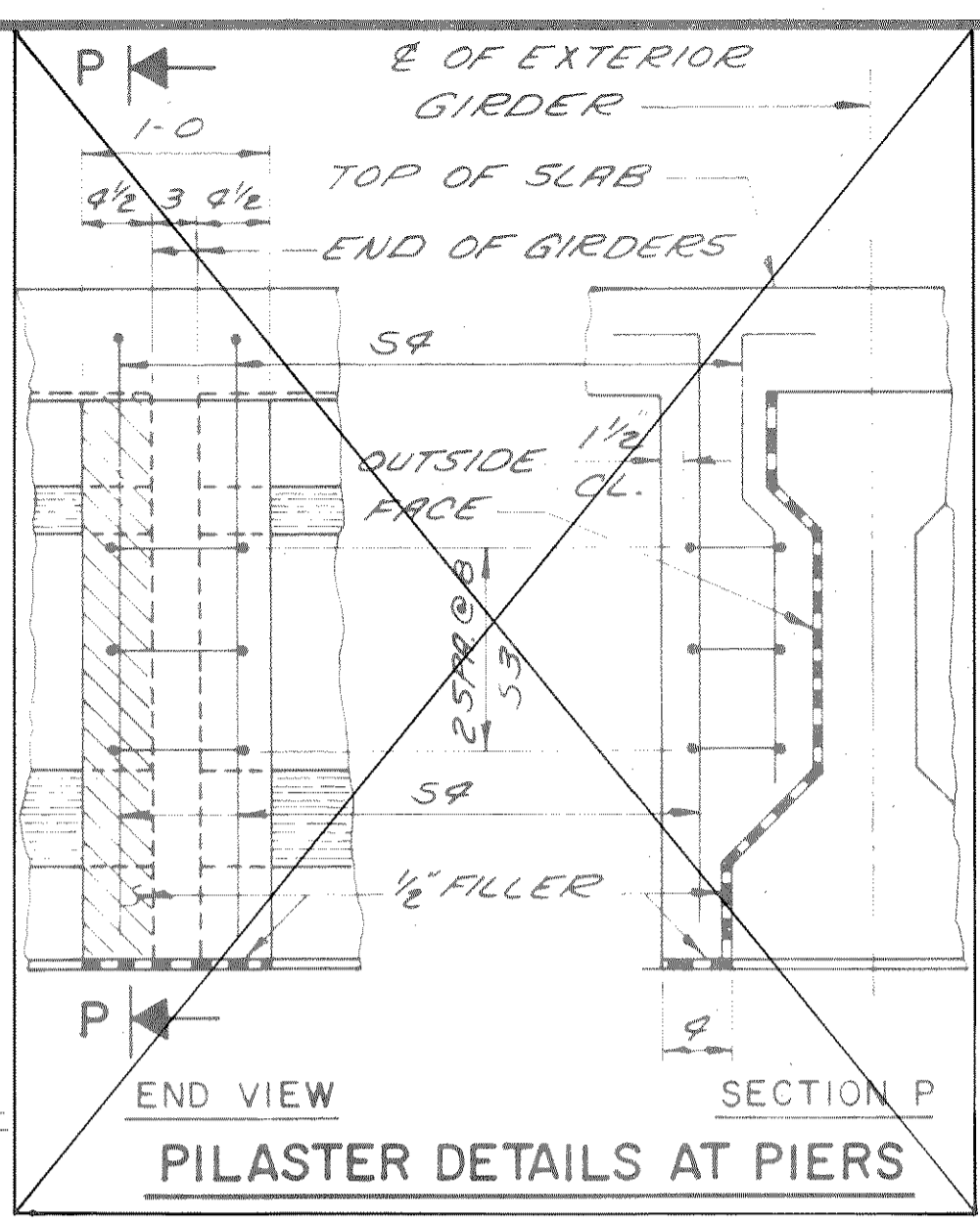


TYP. STRAND GRID

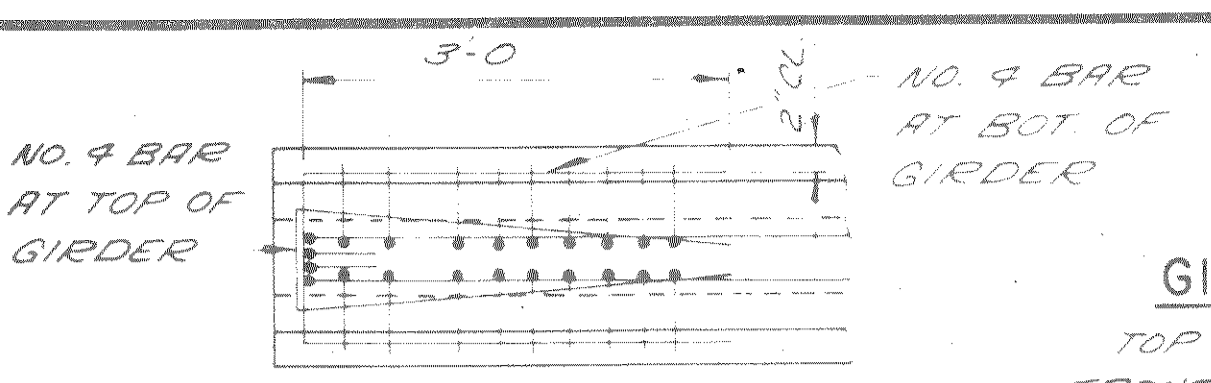
UNDRAPED PATTERN DRAPED PATTERN

** TOTAL INITIAL PRESTRESS FORCE IN KIPS.

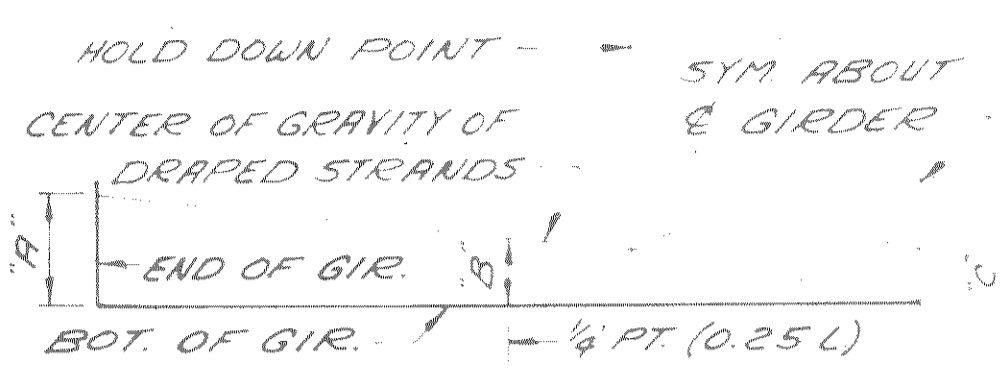
NOTE: TO COMPENSATE FOR VARIATIONS IN PRESTRESS CAMBER AND OTHER MINOR CONSTRUCTION DISCREPANCIES, THE IMBEDMENT OF THE GIRDER INTO THE SLAB MAY BE VARIED WITH A MAXIMUM OF 1/2" ALLOWABLE AND THE SLAB HELD TO PLAN THICKNESS. IF THE VARIATIONS ARE OF SUCH A MAGNITUDE THAT THE 1/2" ALLOWABLE IMBEDMENT WILL BE EXCEEDED, THE HAUNCH OR IMBEDMENT DIMENSIONS AT THE @ OF SUBSTRUCTURE UNITS AND THE GRADE LINE SHALL BE REVISED. THE 1/2" IMBEDMENT AND THE PLAN SLAB THICKNESS SHALL BE HELD.



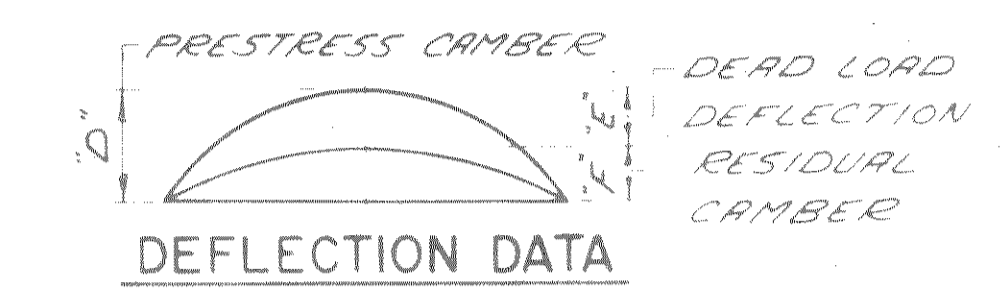
PILASTER DETAILS AT PIERS



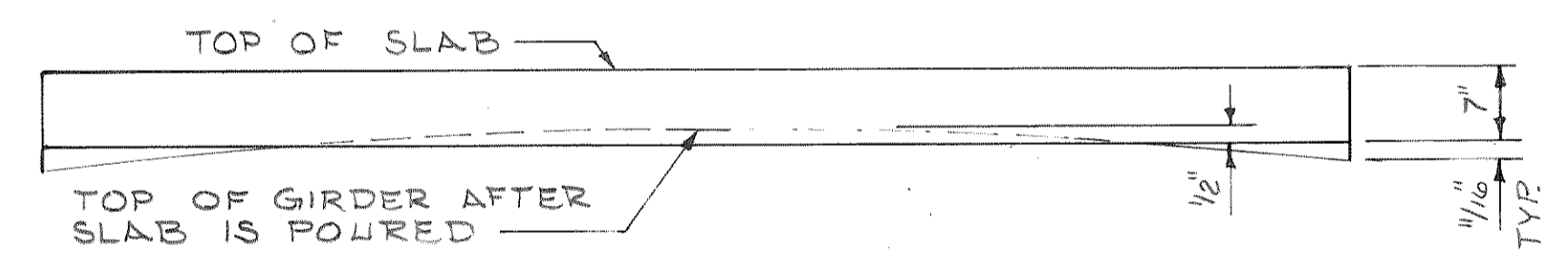
TOP VIEW OF GIRDER ENDS



DRAPED STRAND PROFILE



DEFLECTION DATA



SLAB FORMING DIAGRAM

No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-35-95			
Drawn By	1981	RAE	Plong DEM GMA Checked DSG
45" PRESTRESSED GIRDER DETAILS		SHEET 6 OF 7	