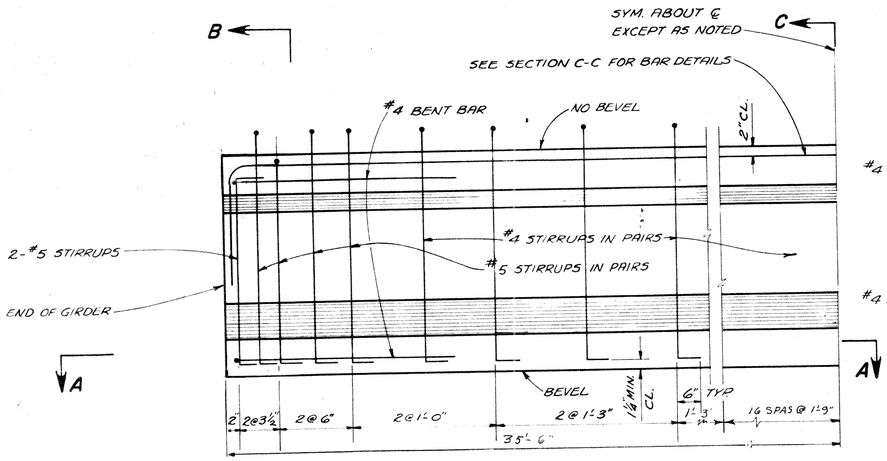
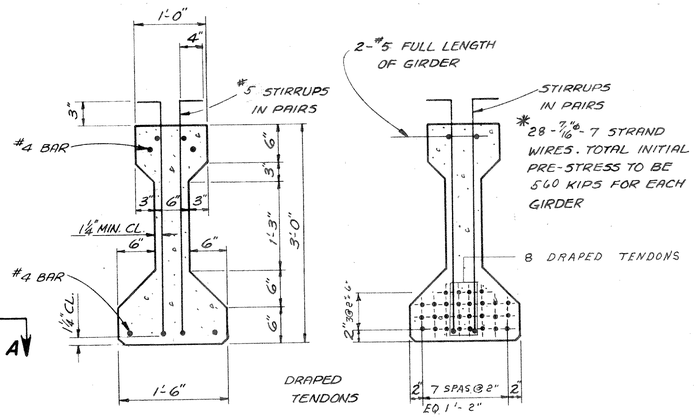
B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	3057(10)	8	13

* SEE BELOW FOR NUMBER OF STRANDS AND ARRANGEMENT FOR $\frac{7}{16}$" STRANDS WITH A CROSS-SECTION AREA OF 0.1152 SQ. INCH AND AN ULTIMATE STRENGTH OF 270,000 PSI

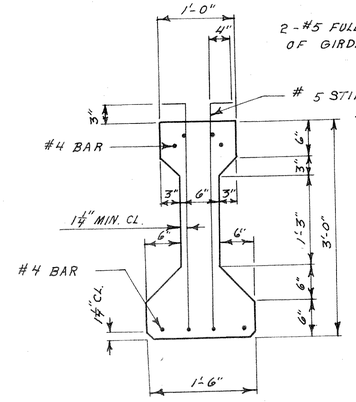
† SEE BELOW FOR NUMBER OF STRANDS AND ARRANGEMENT FOR $\frac{7}{16}$" STRANDS WITH A CROSS-SECTION AREA OF 0.1089 SQ. INCH AND AN ULTIMATE STRENGTH OF 250,000 PSI



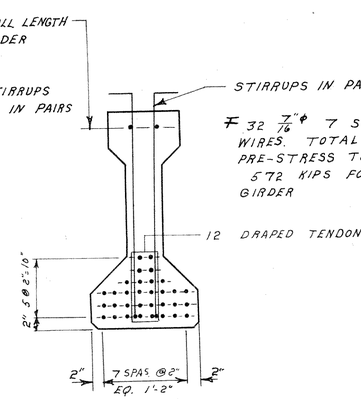


SECTION B-B

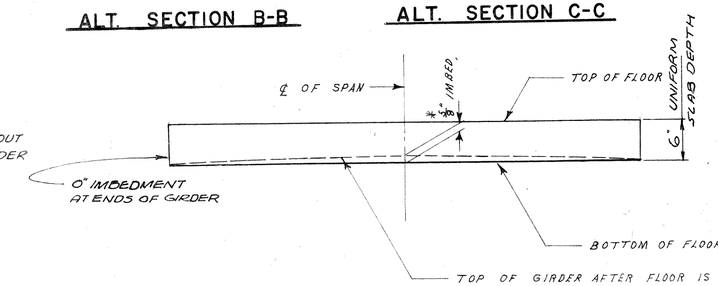
SECTION C-C



ALT. SECTION B-B



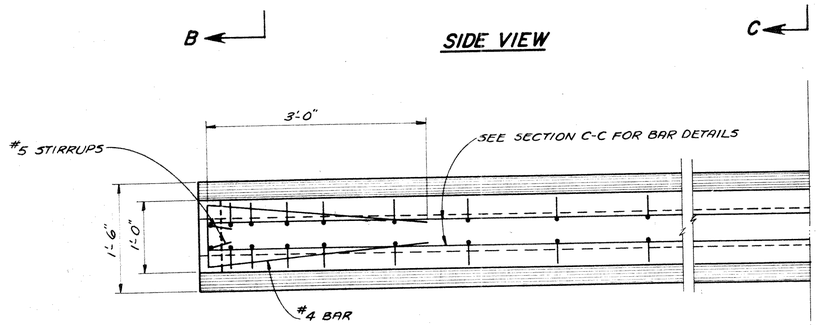
ALT. SECTION C-C



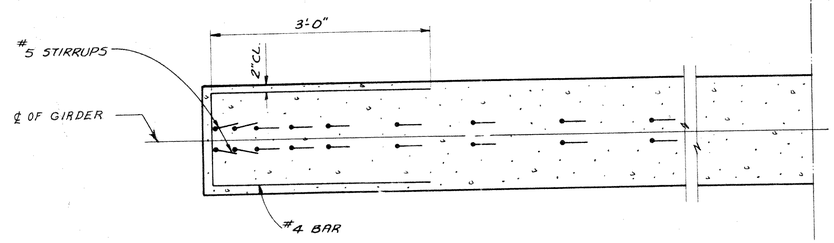
SLAB FORMING

* TO COMPENSATE FOR VARIATION IN PRESTRESS CAMBER AND OTHER MINOR CONSTRUCTION DISCREPANCIES, THE IMBEDMENT SHOWN AT ℄ MAY BE INCREASED TO A MAXIMUM OF 1½". IF IMBEDMENT AT ℄ OF SPAN EXCEEDS 1½", THE BOTTOM TRANSVERSE BAR STEEL SHALL BE TIED DOWN TO HOLD 1½" CLEAR COVER MIDWAY BETWEEN GIRDERS

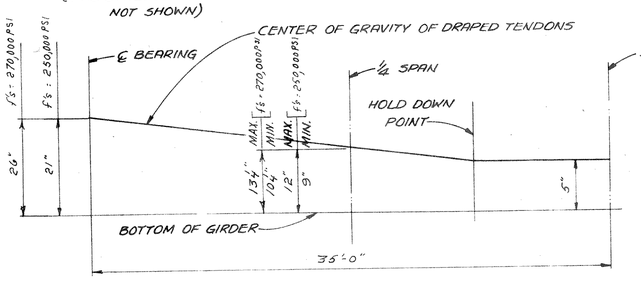
SIDE VIEW



TOP VIEW



SECTION A-A



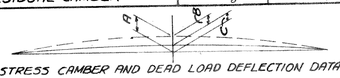
DRAPED TENDON PROFILE

MINIMUM CYLINDER STRENGTH OF CONCRETE AT TIME OF TRANSFER OF PRE-STRESS FORCE (f'ci)

GIRDER	f'ci
PRE-TENSION f's 250 KSI	4450 PSI
PRE-TENSION f's 270 KSI	4330 PSI

DEFLECTION DATA

CAMBER	PRE-TEN. f's=250	PRE-TEN. f's=270	POST-TENS. f's=250
*A = PRE-STRESSED CAMBER	1 $\frac{1}{2}$	1 $\frac{5}{8}$	1 $\frac{1}{2}$
*B = DEAD LOAD DEFLECTION	$\frac{7}{8}$	$\frac{7}{8}$	$\frac{7}{8}$
*C = RESIDUAL CAMBER	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{5}{8}$



* PRE-STRESS CAMBER AND DEAD LOAD DEFLECTION DATA SHOWN ARE THEORETICAL AND MAY VARY WITH CONCRETE STRENGTH, VARIABLE PRE-STRESSING CONDITIONS AND PRE-STRESS LOSSES.

NOTES:

ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN. WIRES SHALL BE FLUSH WITH END OF GIRDER AND PAINTED WITH GRAY "VERTISEAL" OR EQUAL.

TOPS OF GIRDERS SHALL BE ROUGH FLOATED AND BROOMED TRANSVERSELY FOR BONDING TO SLAB.

THE GIRDER MANUFACTURER SHALL PROVIDE A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. DETAILS OF THE LIFTING DEVICE TO BE USED SHALL BE SUBMITTED FOR APPROVAL

FOR DETAILS OF SHIPPING FRAME SEE SHEET X 25068.

DETAILS OF INSERTS FOR DIAPHRAGMS SIMILAR TO THOSE OF POST-TENSIONED GIRDERS. SEE SHEET X 25068.

REVISED

STATE HIGHWAY COMMISSION OF WISCONSIN

PRE-TENSIONED GIRDER DETAILS

DESIGN SPEC. A.R.S.H.O. '61 | LOADING H15 | CONST SPEC. 1963

DATE 4-17-62 DESIGN J.H | DRAWN M.H.H | CKD. D.E.F

STRUCTURE B-35-4 | SHEET 4 OF 7

X25069

DESIGN PROJECTS CO. INC.