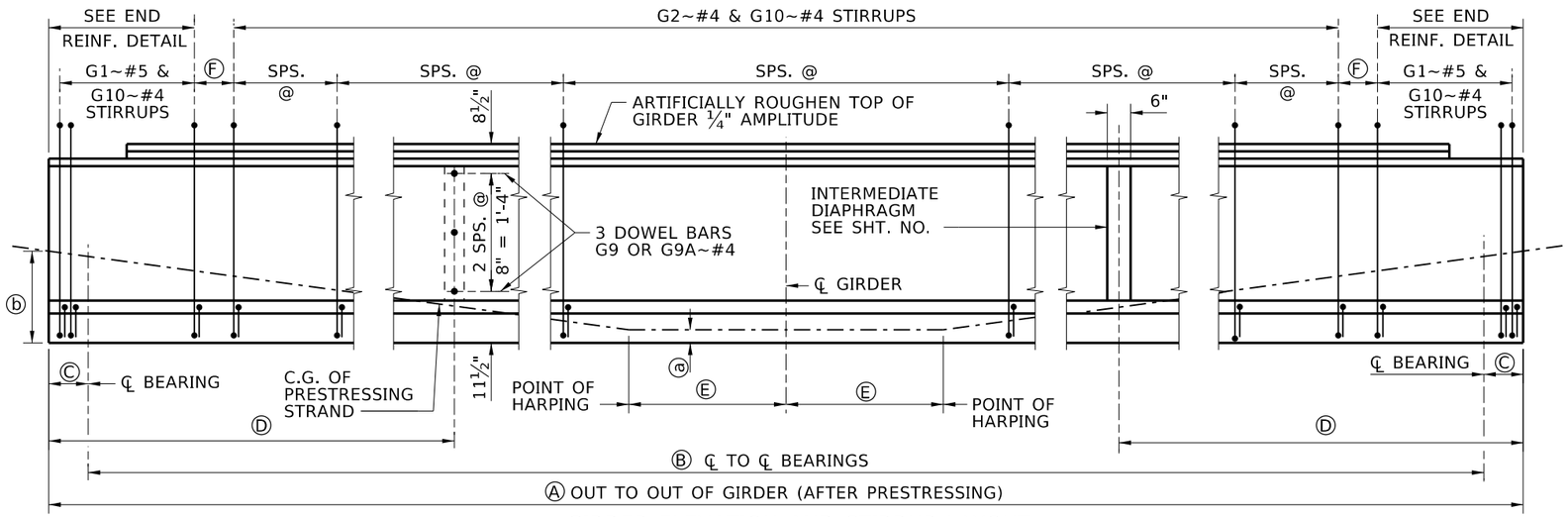
PRESTRESSED GIRDER SCHEDULE

GIRDERS		PRESTRESS FORCE ~ KIPS		PRESTRESS LOSSES ~ KSI		CONCRETE STRENGTH ~ KSI		GIRDER DIMENSIONS								END DETAIL		C.G. OF STRAND	
NO.	LOCATION	INITIAL BEFORE LOSSES	FINAL AFTER LOSSES	IMMEDIATE LOSSES	FINAL TOTAL LOSSES	AT RELEASE f'ci	AT 28 DAYS f'c	(A)	(B)	(C) LEFT	(C) RIGHT	(D) LEFT	(D) RIGHT	(E)	(F)	LEFT	RIGHT	(b) GIRDER END	(a) MID SPAN



GIRDER ELEVATION AND STIRRUP LAYOUT

NTS

SECTION AT END OF GIRDER

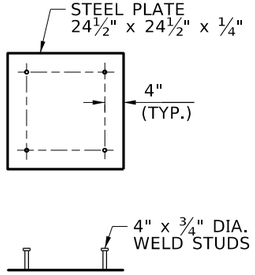
½"=1'-0"

SECTION AT ℄ SPAN

½"=1'-0"

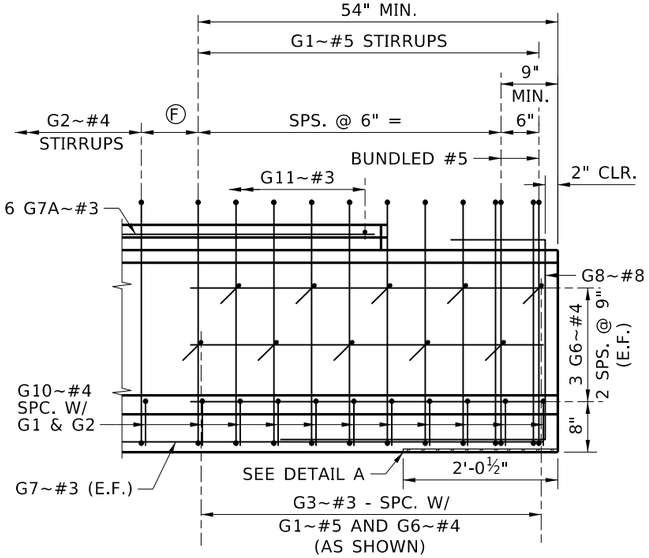
DETAIL B

½"=1'-0"



DETAIL A

⅜"=1'-0"



END REINFORCEMENT DETAIL

½"=1'-0"

REINFORCEMENT DIAGRAM

MARK	SIZE	GRADE	SKETCH
G1*	#5	60	3'-3", 1'-2½", 4¼"
G2*	#4	60	
G3*	#3	60	5"
G4	#5	60	
G4A	#5	60	
G5	#6	60	
G5A	#6	60	
G6	#4	60	
G7	#3	60	Ⓐ - 4"
G7A	#3	60	Ⓐ - 2 (BLOCKOUT + 2")
G8	#8	60	2'-8", 1'-3", 3'-6"
G9	#4	60	4'-0"
G9A	#4	60	2'-0"
G10*	#4	60	4½", 10", 5", 3, 9½"
G11	#3	60	2'-11"

NOTES

1. DIMENSIONS TO STIRRUPS AND DOWEL BARS ARE GIVEN AT ℄ OF GIRDER.
2. SEE PRESTRESSED GIRDER GENERAL DETAILS AND PRESTRESSED BULB TEE GIRDER DETAILS SHEETS FOR NOTES, DIAPHRAGM DOWEL DETAILS, END DETAILS AND DEFLECTION DATA.
3. BEND DETAILS IN ACCORDANCE WITH LATEST ACI STANDARD PRACTICE.

* STIRRUP AND TIE HOOK BEND DIMENSIONS. STIRRUPS AND TIES MUST HAVE A MINIMUM 1" COVER OUTSIDE OF BARS.

GIRDER WEIGHT ..... 512 LB/FT

REVISIONS				DESIGNED	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY	IDAHO TRANSPORTATION DEPARTMENT	ENGLISH	36" BULB TEE PRESTRESSED GIRDER	BRIDGE PLANS
NO.	DATE	BY	DESCRIPTION	DESIGN CHECKED	CADD FILE NAME	YOUR Safety→YOUR Mobility→YOUR Economic Opportunity	PROJECT NO.		BRIDGE KEY NO.
				DETAILED	Standards/Bridge Standard Drawings/ B05_3B.DGN	APPROVED BY: BRIDGE ENGINEER MICHAEL T. JOHNSON DATE:		BRIDGE LRFD DESIGN MANUAL, B5.3B	COUNTY / KEY NO.
				DWG. CHECKED	DRAWING DATE: OCT 2023				BRIDGE DWG. NO. / SHEET OF
				CORRECTIONS					