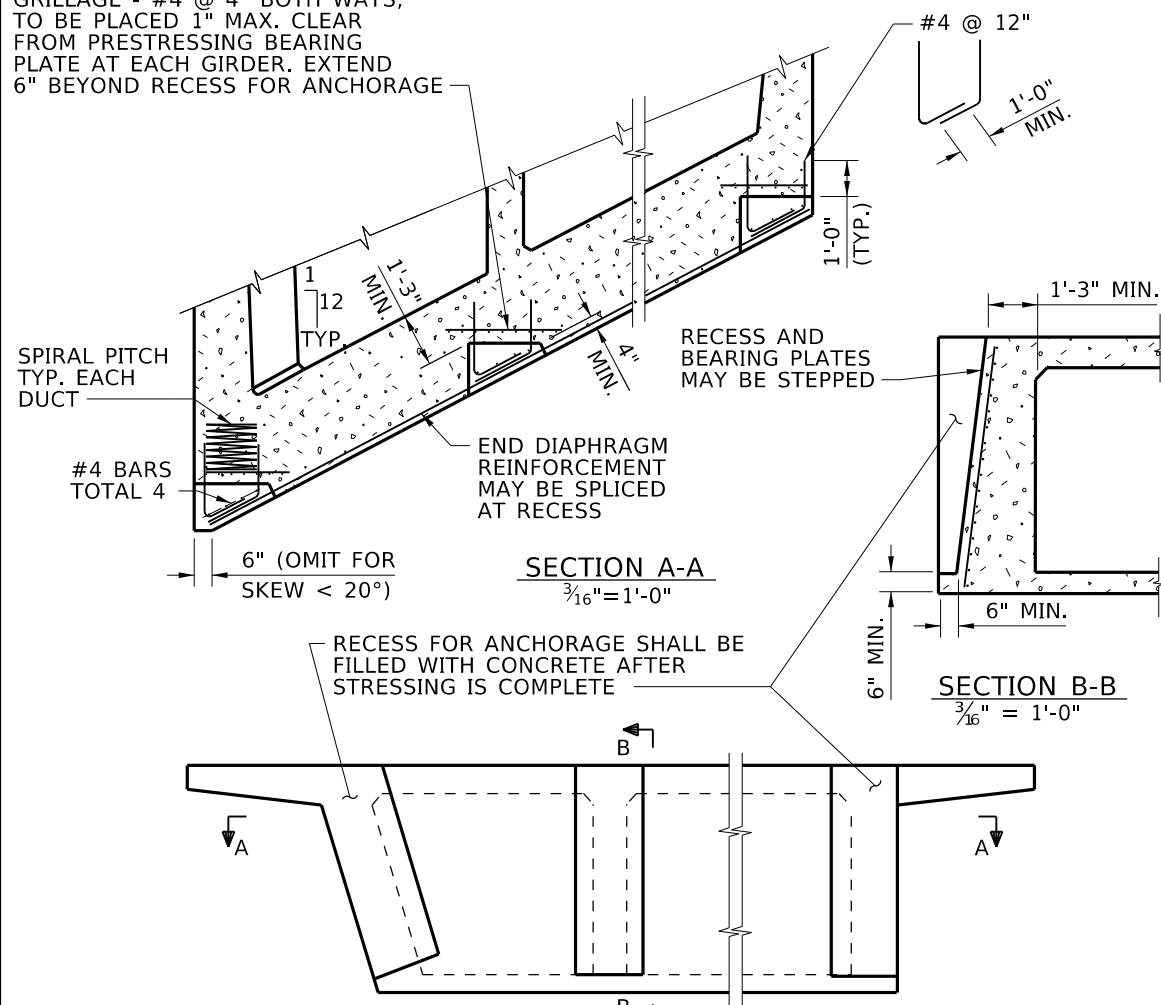


PART GIRDER SECTION

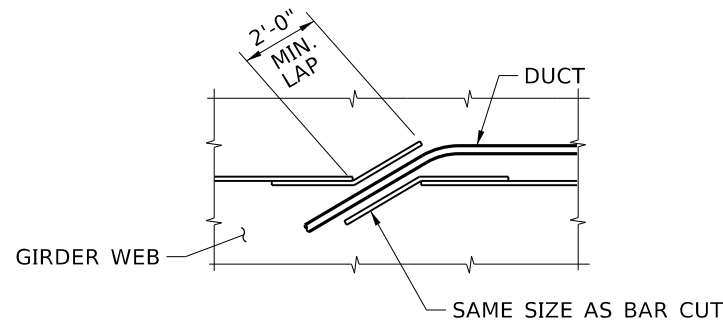
$\frac{3}{8}" = 1'-0"$

GRILLAGE - #4 @ 4" BOTH WAYS, TO BE PLACED 1" MAX. CLEAR FROM PRESTRESSING BEARING PLATE AT EACH GIRDER. EXTEND 6" BEYOND RECESS FOR ANCHORAGE



PRESTRESSED ANCHORAGE DETAILS AT SEAT TYPE ABUTMENTS

$\frac{3}{4}" = 1'-0"$

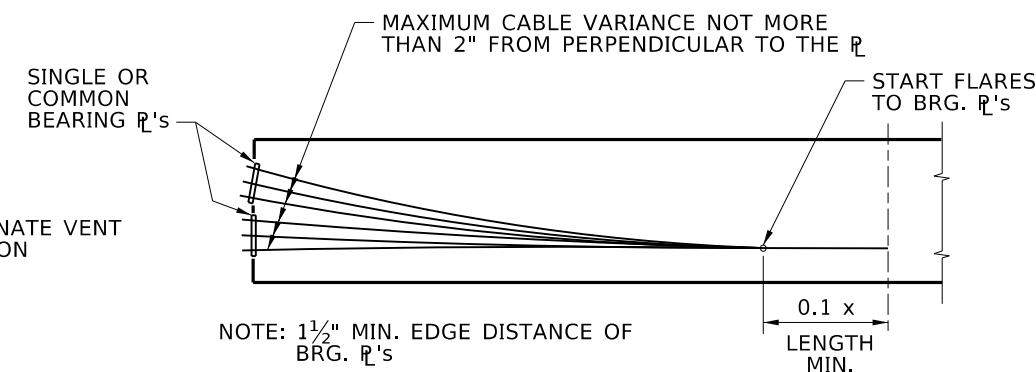


ELEVATION

ADJUSTMENT OF WEB REINF. CONFLICTING WITH DUCTS
NTS

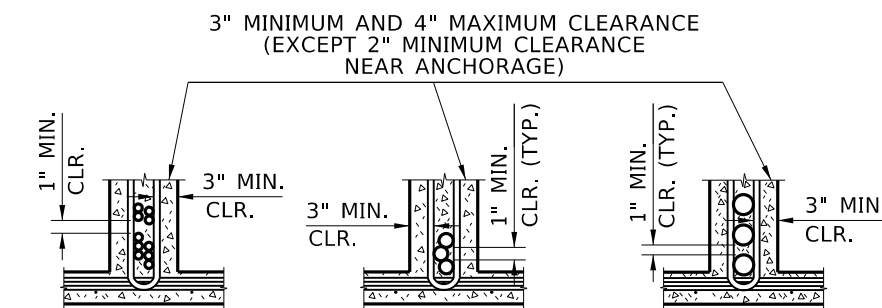
GENERAL NOTES

1. START STRESSING AT THE CENTERLINE OF THE STRUCTURE AND WORK TOWARDS THE EDGES OF STRUCTURE.
2. FLARE GIRDER STEMS AS NECESSARY NEAR ANCHORAGE TO PROVIDE A MINIMUM OF 2" CONCRETE COVERING THE DUCTS. FLARE GIRDER WEBS TO ACCOMMODATE POST TENSION ANCHORS.
3. SUBMIT DESIGN CALCULATIONS SEALED AND SIGNED BY AN IDAHO LICENSED PROFESSIONAL ENGINEER FOR APPROVAL THE LENGTH OF FLARES, ADDITIONAL CURVATURE, SHEAR REINFORCEMENT AND ANCHORAGES ZONE REINFORCEMENT.
4. PROVIDE EXTERIOR GIRDER FLARE ON INSIDE OF GIRDER ONLY.
5. GIRDER FLARES MUST BE A MINIMUM OF 1 TO 12.
6. WHEN FLARE DUCT PATTERN IS USED, EXTRA DUCT TIES, EXTRA STIRRUPS, AND EXTRA CONCRETE ARE INCIDENTAL TO POST-TENSION PAY ITEM. SUBMIT THESE DETAILS IN THE SHOP DRAWINGS FOR APPROVAL.
7. SUBMIT ADJUSTMENT OF BAR REINFORCEMENT INTERFERING WITH THE PRESTRESSING TENDON ALIGNMENT FOR APPROVAL.



BEARING PLATE PRESTRESSING PATH

$\frac{3}{4}" = 1'-0"$



DUCTS 3" O.D. & LESS DUCTS OVER 3" O.D. & LESS THAN 4 1/2" O.D. DUCTS OVER 4 1/2" O.D.

CLEARANCE REQUIREMENTS FOR DUCTS

$\frac{3}{4}" = 1'-0"$

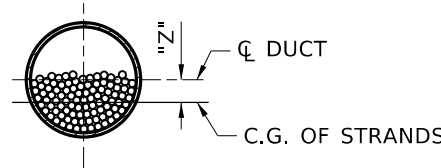
CLEARANCE NOTES:
DUCT PATTERNS SHOWN ARE FOR A 12" WIDE GIRDER STEM; FOR OTHER WIDTHS THE MINIMUM CLEARANCES MUST BE MAINTAINED. PLACE LONGITUDINAL TEMPERATURE REINFORCEMENT INSIDE STIRRUPS. SUBMIT DEVIATIONS OF CLEARANCE REQUIREMENTS FOR APPROVAL.

VENT NOTES:

1. SECURE GROUT VENT TO TENDON DUCT WITH HOSE CLAMPS AND SEAL WITH TAPE TO PREVENT CONCRETE ENTRY DURING GIRDER POUR.
2. SUBMIT SHOP DRAWINGS OF VENT DETAILS FOR APPROVAL.

"Z" IS THE AMOUNT OF TENDON OFFSET WITHIN THE DUCT:

DUCT SIZE	Z
3" O.D. AND LESS	1/2"
OVER 3" O.D. TO 4"	3/4"
OVER 4" O.D.	1"



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED
DESIGN CHECKED
DETAILED
DWG. CHECKED
CORRECTIONS

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME
Standards/Bridge Standard Drawings
B05_7B.DGN
DRAWING DATE:
OCT 2023

IDAHO TRANSPORTATION DEPARTMENT

YOUR Safety → YOUR Mobility → YOUR Economic Opportunity

APPROVED BY: BRIDGE ENGINEER **MICHAEL T. JOHNSON** DATE: _____

ENGLISH

PROJECT NO.

POST-TENSIONING DETAILS

BRIDGE LRFD DESIGN MANUAL, B5.7B

BRIDGE PLANS	
BRIDGE KEY NO.	
COUNTY	KEY NO.
BRIDGE DWG. NO.	SHEET OF