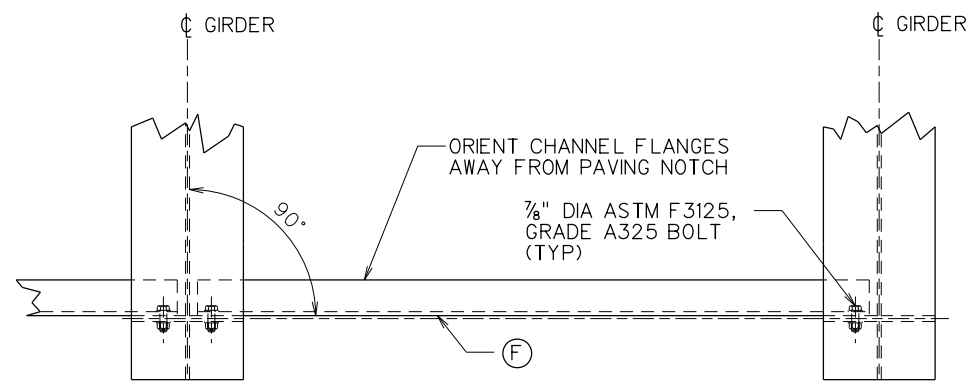


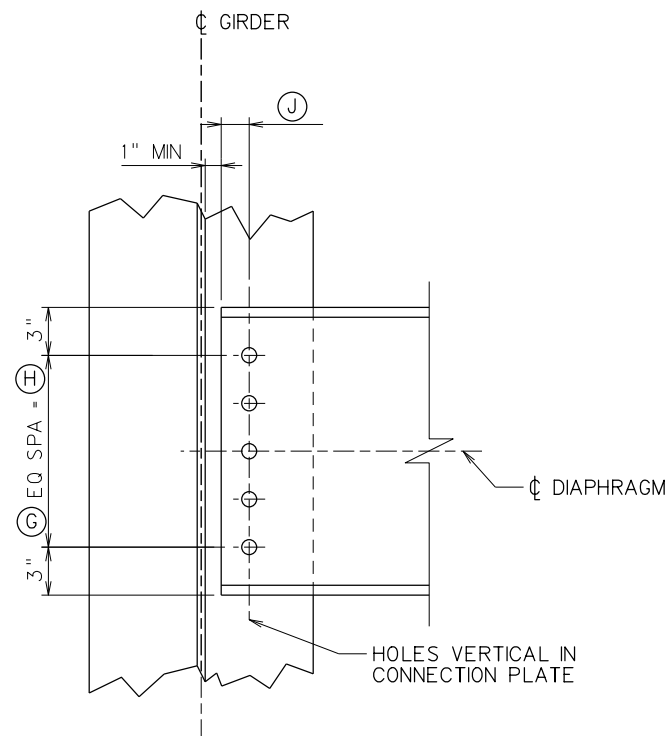
ABUTMENT DIAPHRAGM ELEVATION



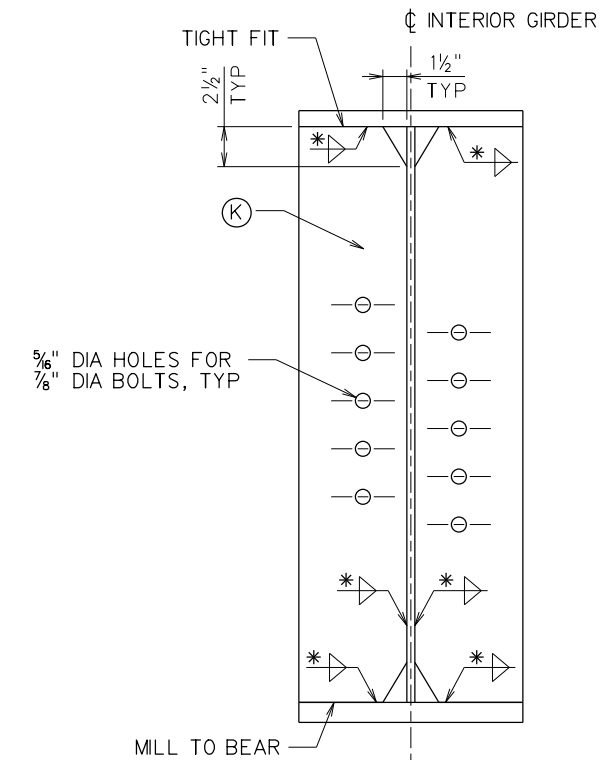
ABUTMENT DIAPHRAGM PLAN

* WELD SIZES	
PLATE THICKNESS	WELD SIZE
< 3/4"	1/4"
≥ 3/4"	5/16"

NOTE: SEE FRAMING PLAN FOR GIRDER DIMENSIONS



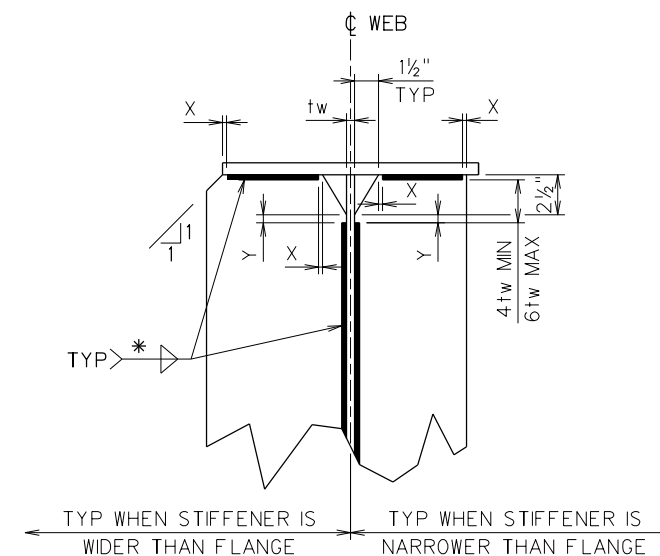
DETAIL A



BEARING STIFFENER

LOOKING AHEAD STATION

CONTROL DIMENSIONS		
CODE	DESCRIPTION	DIMENSION
A	DISTANCE FROM BOTTOM OF TOP FLANGE TO CENTER OF UPPER BOLT	_____
B	DISTANCE FROM BOTTOM OF TOP FLANGE TO CENTER LINE OF DIAPHRAGM	_____
C	DISTANCE FROM BOTTOM OF TOP FLANGE TO CENTER OF UPPER BOLT	_____
D	DISTANCE FROM BOTTOM OF TOP FLANGE TO CENTER LINE OF DIAPHRAGM	_____
E	CENTER TO CENTER GIRDER SPACING	_____
F	DIAPHRAGM-C CHANNEL SIZE	_____
G	NUMBER OF BOLT SPACES	_____
H	DISTANCE OF TOTAL BOLT SPACING	_____
J	MINIMUM BOLT CLEARANCE FROM END	_____
K	PLATE SIZE WxHxt	_____



WELDING DETAIL AT END OF STIFFENER OR CONNECTION PLATE

NOT TO SCALE

PRINT DATE
2-FEB-2022 14:55

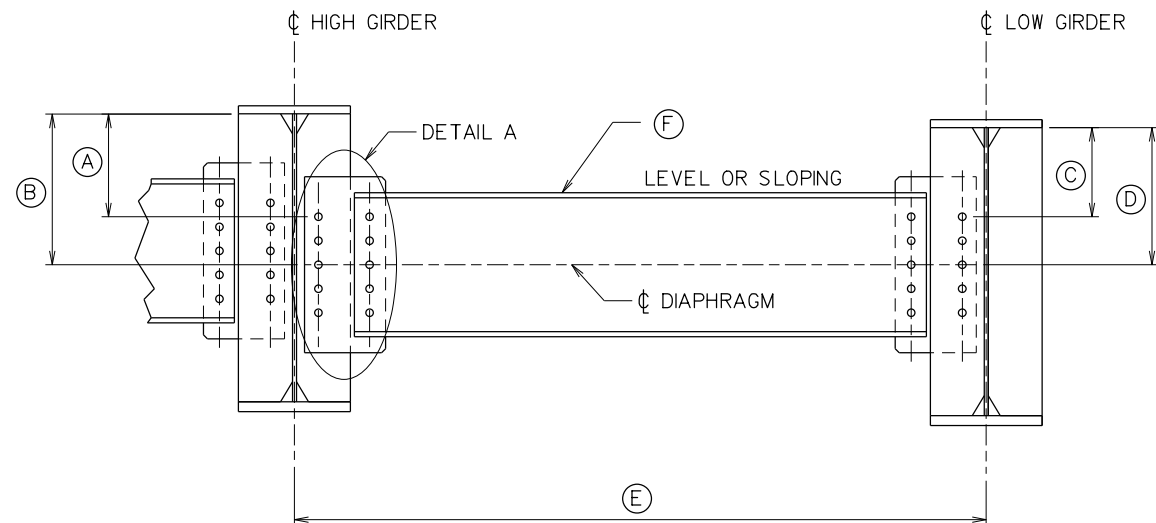
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NO.	REVISION	DATE	BY

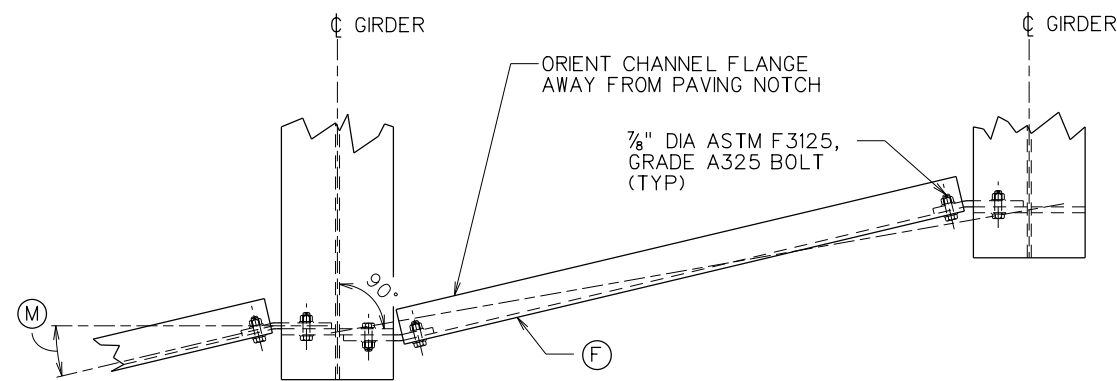
WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

DESIGNED	DATE	CHECKED	DATE
DRAWN	DATE	REVIEWED	DATE

STANDARD BRIDGE PLANS
ABUTMENT DIAPHRAGM
C CHANNEL NO SKEW
SHEET NUMBER 110QD11A



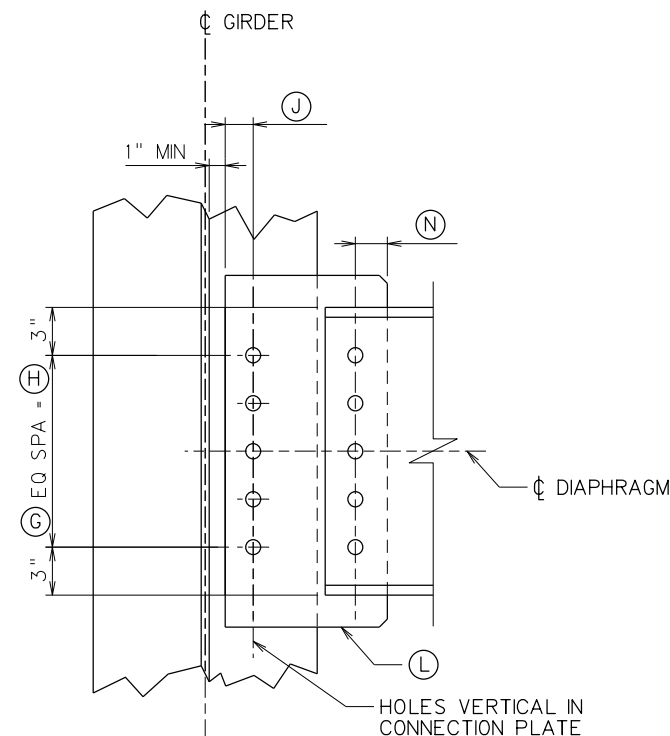
ABUTMENT DIAPHRAGM ELEVATION



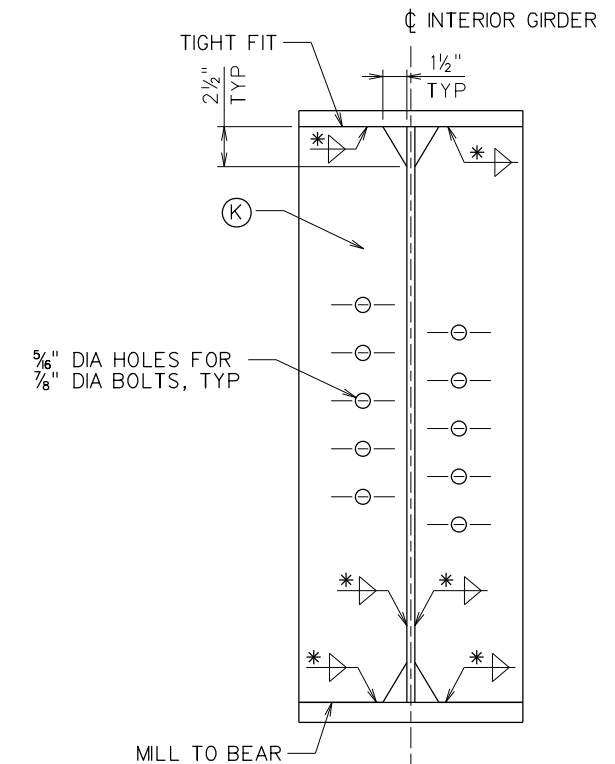
ABUTMENT DIAPHRAGM PLAN

* WELD SIZES	
PLATE THICKNESS	WELD SIZE
< 3/4"	1/4"
≥ 3/4"	5/16"

NOTE: SEE FRAMING PLAN FOR GIRDER DIMENSIONS AND SKEW ANGLES



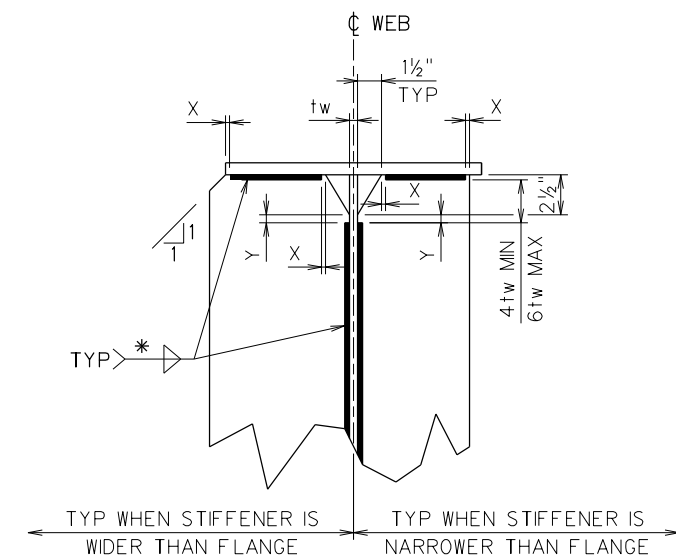
DETAIL A



BEARING STIFFENER

LOOKING AHEAD STATION

CONTROL DIMENSIONS		
CODE	DESCRIPTION	DIMENSION
A	DISTANCE FROM BOTTOM OF TOP FLANGE TO CENTER OF UPPER BOLT	_____
B	DISTANCE FROM BOTTOM OF TOP FLANGE TO CENTER LINE OF DIAPHRAGM	_____
C	DISTANCE FROM BOTTOM OF TOP FLANGE TO CENTER OF UPPER BOLT	_____
D	DISTANCE FROM BOTTOM OF TOP FLANGE TO CENTER LINE OF DIAPHRAGM	_____
E	CENTER TO CENTER GIRDER SPACING	_____
F	DIAPHRAGM-C CHANNEL SIZE	_____
G	NUMBER OF BOLT SPACES	_____
H	DISTANCE OF TOTAL BOLT SPACING	_____
J	MINIMUM BOLT CLEARANCE FROM END	_____
K	PLATE SIZE WxHxt	_____
L	BENT PLATE SIZE WxHxt	_____
M	ANGLE OF BEND ON CONNECTION PLATE	_____
N	TO CENTER OF HOLE FOR BENT PLATE	_____



WELDING DETAIL AT END OF STIFFENER OR CONNECTION PLATE

PRINT DATE
2-FEB-2022 14:57

NOT TO SCALE

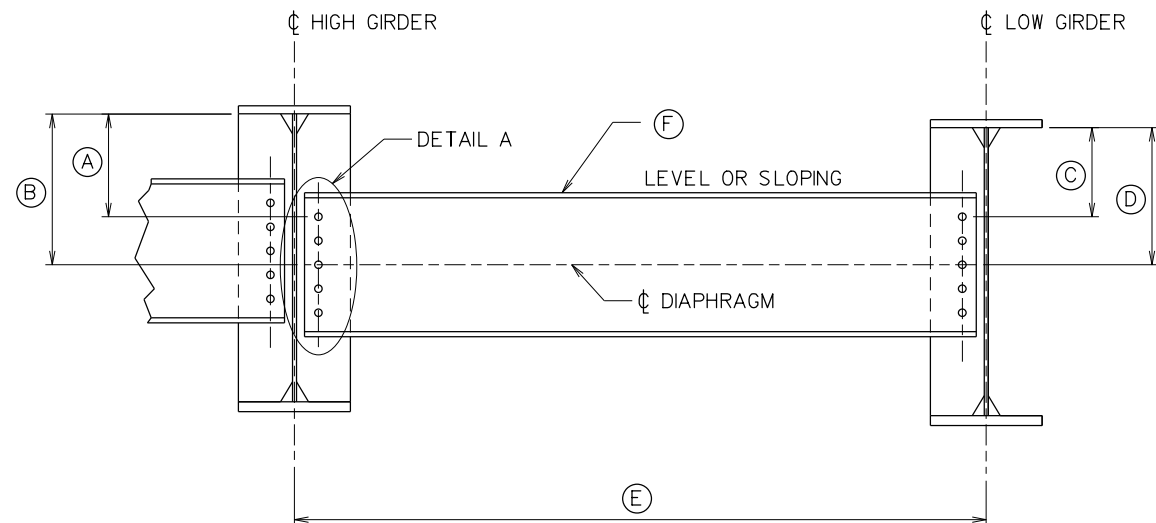
NO.	REVISION	DATE	BY

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

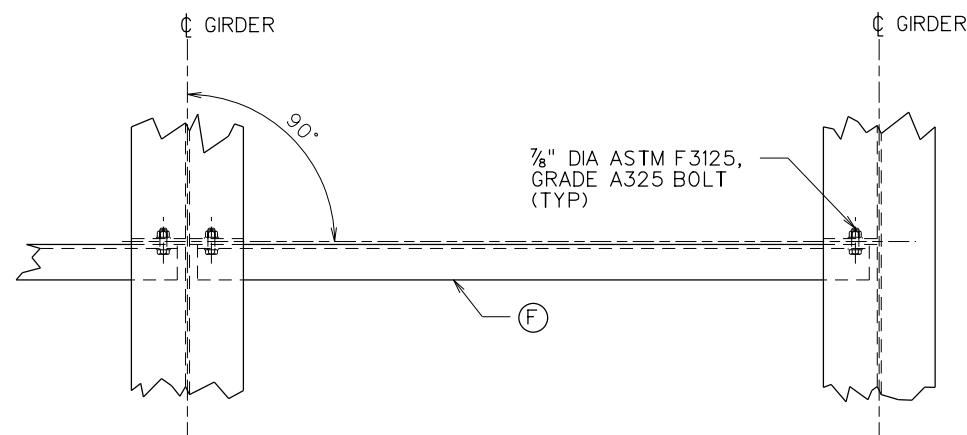
DESIGNED	DATE	CHECKED	DATE
DRAWN	DATE	REVIEWED	DATE

STANDARD BRIDGE PLANS
**ABUTMENT DIAPHRAGM
C CHANNEL SKEWED**
SHEET NUMBER 1100D12A

2-FEB-2022 14:57



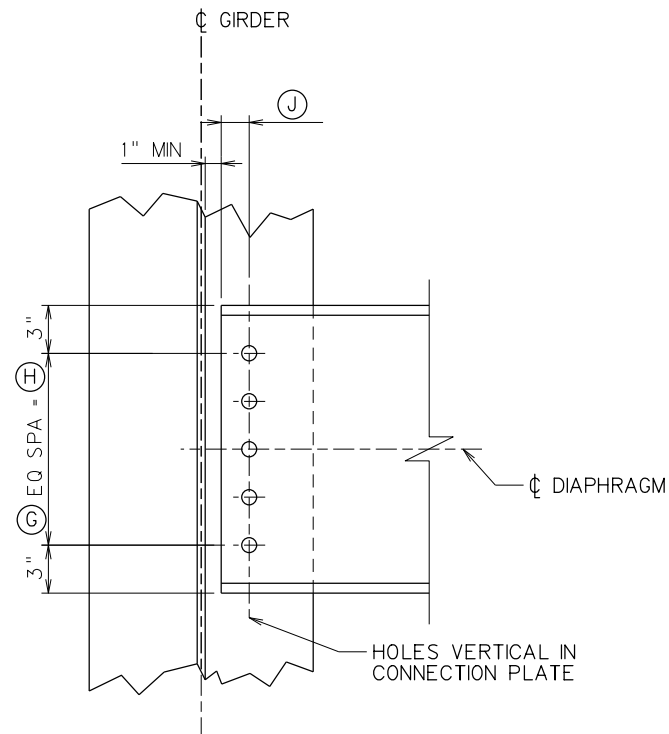
INTERMEDIATE DIAPHRAGM ELEVATION



INTERMEDIATE DIAPHRAGM PLAN

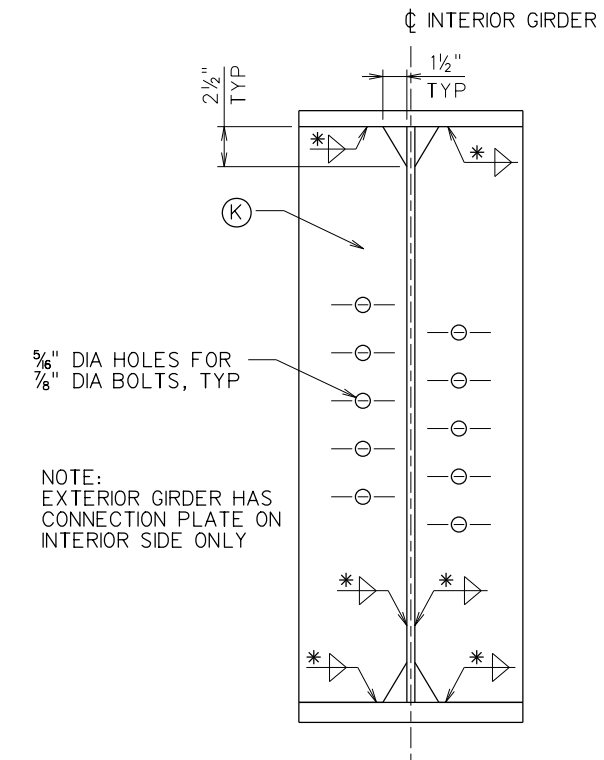
* WELD SIZES	
PLATE THICKNESS	WELD SIZE
< 3/4"	1/4"
≥ 3/4"	5/16"

NOTE: SEE FRAMING PLAN FOR GIRDER DIMENSIONS

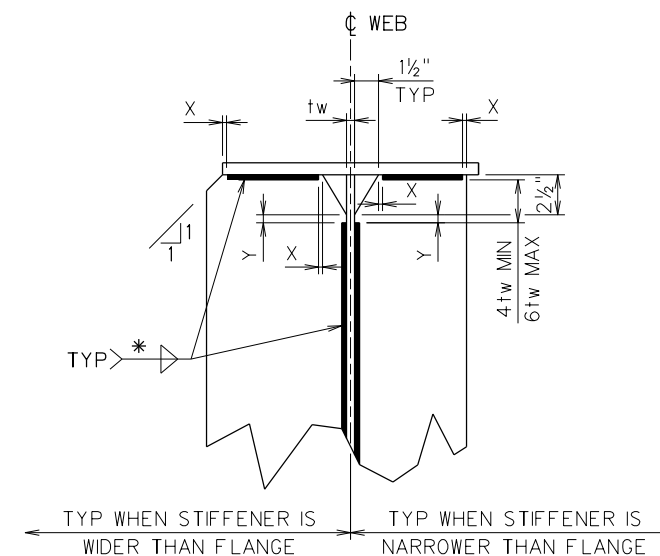


DETAIL A

CONTROL DIMENSIONS		
CODE	DESCRIPTION	DIMENSION
A	DISTANCE FROM BOTTOM OF TOP FLANGE TO CENTER OF UPPER BOLT	_____
B	DISTANCE FROM BOTTOM OF TOP FLANGE TO CENTER LINE OF DIAPHRAGM	_____
C	DISTANCE FROM BOTTOM OF TOP FLANGE TO CENTER OF UPPER BOLT	_____
D	DISTANCE FROM BOTTOM OF TOP FLANGE TO CENTER LINE OF DIAPHRAGM	_____
E	CENTER TO CENTER GIRDER SPACING	_____
F	DIAPHRAGM-C CHANNEL SIZE	_____
G	NUMBER OF BOLT SPACES	_____
H	DISTANCE OF TOTAL BOLT SPACING	_____
J	MINIMUM BOLT CLEARANCE FROM END	_____
K	PLATE SIZE WxHxt	_____



CONNECTION PLATE
LOOKING AHEAD STATION



WELDING DETAIL AT END OF STIFFENER OR CONNECTION PLATE

PRINT DATE
2-FEB-2022 14:59

NOT TO SCALE

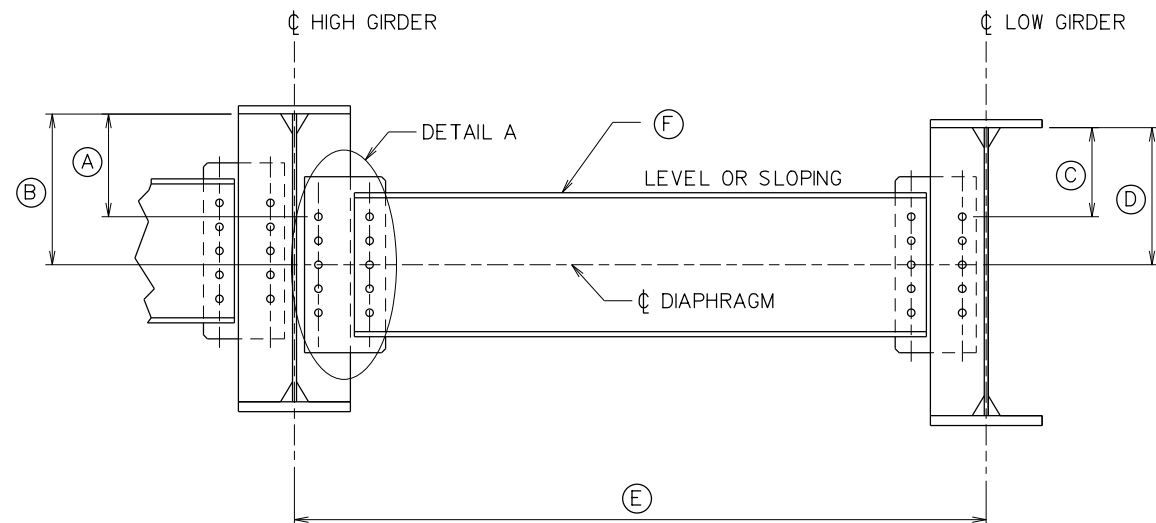
NO.	REVISION	DATE	BY

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

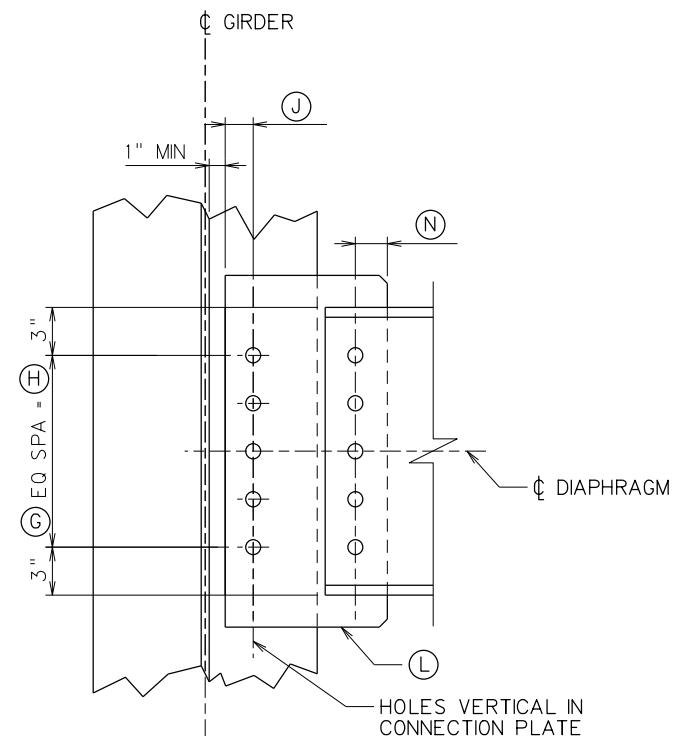
DESIGNED	DATE	CHECKED	DATE
DRAWN	DATE	REVIEWED	DATE

STANDARD BRIDGE PLANS
INTERMEDIATE DIAPHRAGM
C CHANNEL
SHEET NUMBER 110.0D14

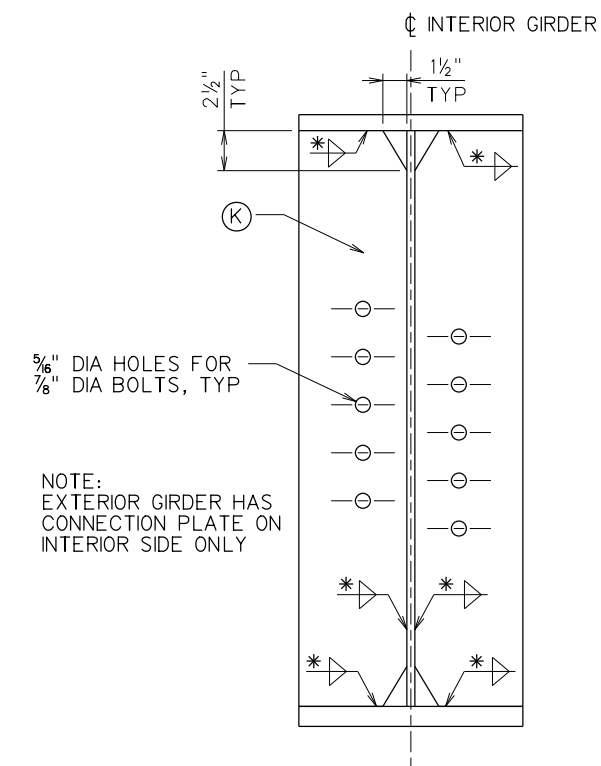
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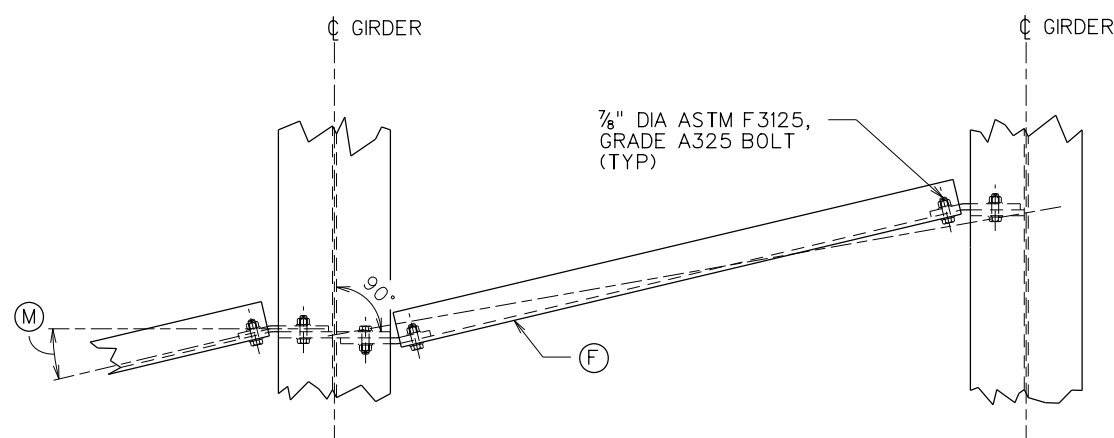
INTERMEDIATE DIAPHRAGM ELEVATION



DETAIL A

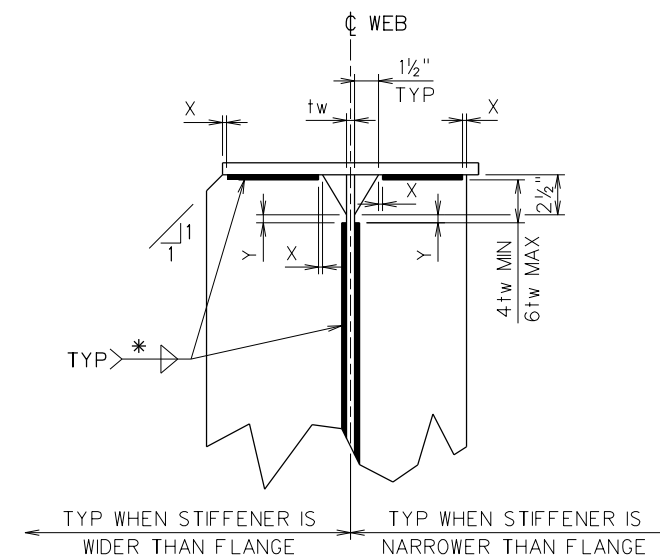


CONNECTION PLATE
LOOKING AHEAD STATION



INTERMEDIATE DIAPHRAGM PLAN

CONTROL DIMENSIONS		
CODE	DESCRIPTION	DIMENSION
A	DISTANCE FROM BOTTOM OF TOP FLANGE TO CENTER OF UPPER BOLT	_____
B	DISTANCE FROM BOTTOM OF TOP FLANGE TO CENTER LINE OF DIAPHRAGM	_____
C	DISTANCE FROM BOTTOM OF TOP FLANGE TO CENTER OF UPPER BOLT	_____
D	DISTANCE FROM BOTTOM OF TOP FLANGE TO CENTER LINE OF DIAPHRAGM	_____
E	CENTER TO CENTER GIRDER SPACING	_____
F	DIAPHRAGM-C CHANNEL SIZE	_____
G	NUMBER OF BOLT SPACES	_____
H	DISTANCE OF TOTAL BOLT SPACING	_____
J	MINIMUM BOLT CLEARANCE FROM END	_____
K	PLATE SIZE WxHxt	_____
L	BENT PLATE SIZE WxHxt	_____
M	ANGLE OF BEND ON CONNECTION PLATE	_____
N	TO CENTER OF HOLE FOR BENT PLATE	_____



WELDING DETAIL AT END OF STIFFENER OR CONNECTION PLATE

* WELD SIZES	
PLATE THICKNESS	WELD SIZE
< 3/4"	1/4"
≥ 3/4"	5/16"

NOTE: SEE FRAMING PLAN FOR GIRDER DIMENSIONS AND SKEW ANGLES

PRINT DATE
2-FEB-2022 14:58

NOT TO SCALE

NO.	REVISION	DATE	BY

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

DESIGNED	DATE	CHECKED	DATE
DRAWN	DATE	REVIEWED	DATE

STANDARD BRIDGE PLANS
**INTERMEDIATE DIAPHRAGM
C CHANNEL SKEWED**
SHEET NUMBER 1100D14A

2-FEB-2022 14:58