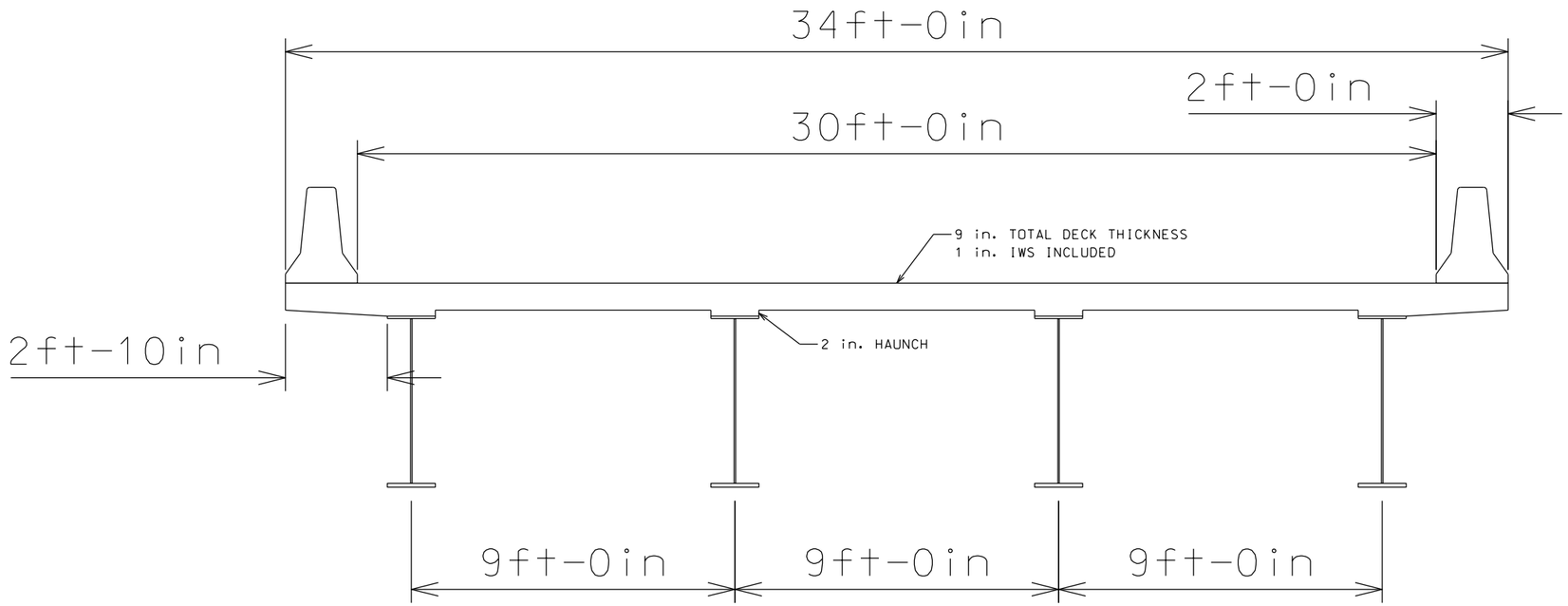


1 in. = 4 ft.

SECTION VIEW

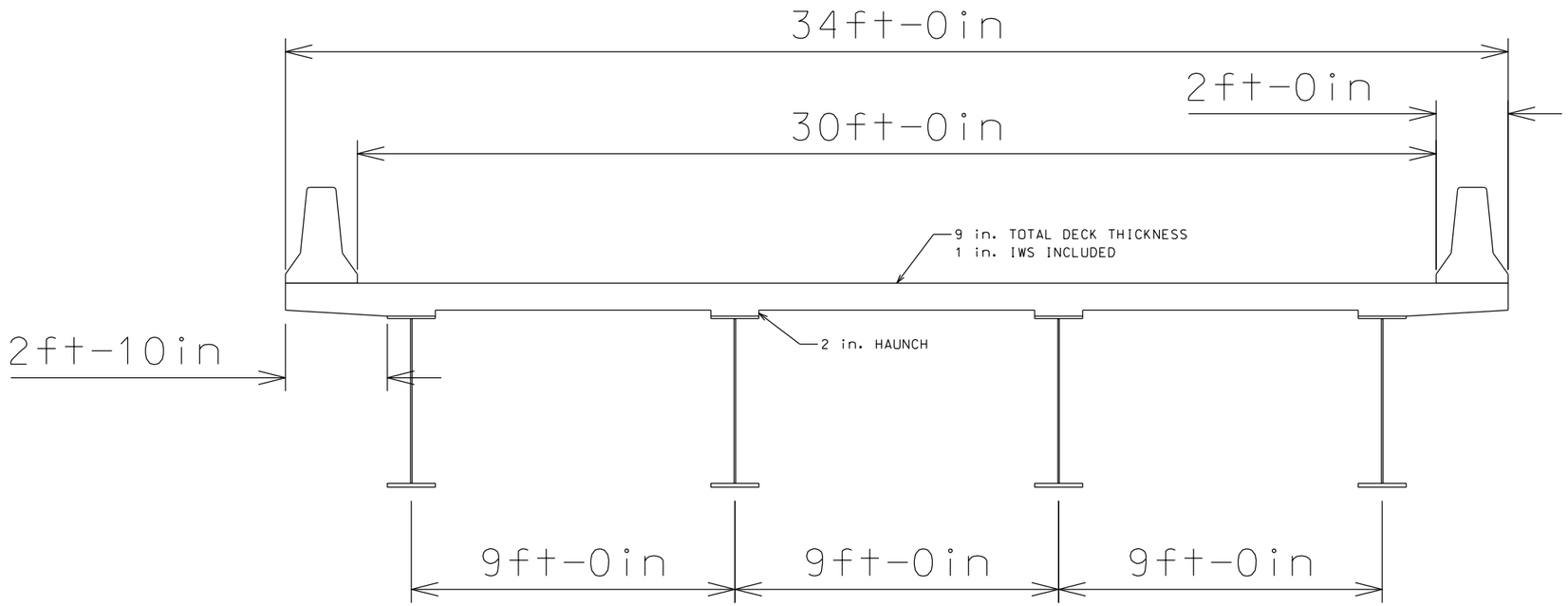
NOTES

1. DIAPHRAMS TO BE CONSIDERED IN FINAL DESIGN
2. AASHTO M 164 BOLTS WITH MINIMUM 7//8" DIA. TO BE USED FOR ANY CONNECTION

BRIDGING THE GAP ENGINEERING

BRYCE CREEK BRIDGE BEGLEY ROAD CABELL COUNTY, WV	STEEL PLATE GIRDER BRIDGE SECTION
DATE: 11 MARCH 2019	SCALE: 1:4

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET
MSA	BGE	NMN	102



1 in. = 4 ft.

SECTION VIEW

NOTES

1. DIAPHRAMS TO BE CONSIDERED IN FINAL DESIGN
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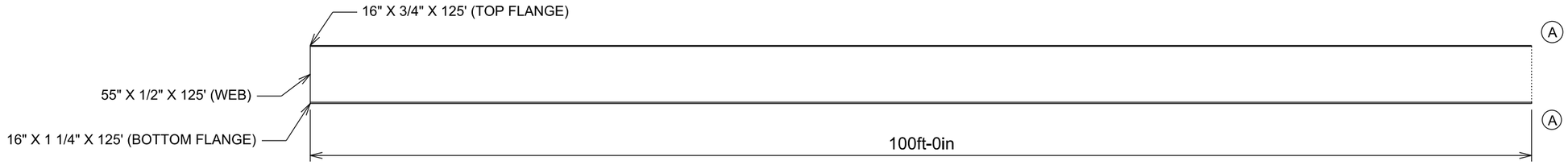
BRIDGING THE GAP ENGINEERING

BRYCE CREEK BRIDGE BEGLEY ROAD CABELL COUNTY, WV	STEEL PLATE GIRDER BRIDGE SECTION
DATE: 11 MARCH 2019	SCALE: 1:4

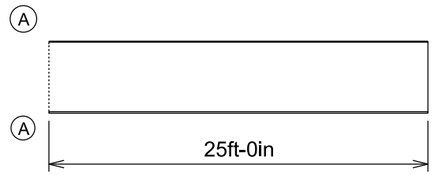
DRAWN BY	DESIGNED BY	CHECKED BY	SHEET
MSA	BGE	NMN	102

ABUTMENT 1



GIRDER ELEVATION VIEW

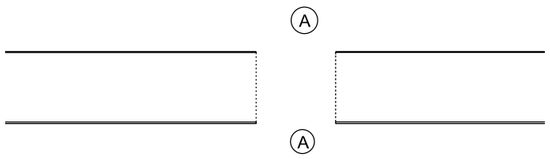
GIRDER D SHOWN (OTHERS SIMILAR)



ABUTMENT 2

SECTION A-A

(NOT TO SCALE)



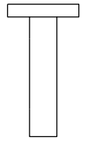
FIELD SPLICE BOLTED CONNECTION

LOCATED AT L = 100' FOR EACH GIRDER

SEE SHEET 104 FOR CONNECTION DETAILS

SHEAR STUDS

(NOT TO SCALE)



DESIGN, LAYOUT, SIZING OF SHEAR STUDS
WILL BE CONSIDERED IN FINAL DESIGN

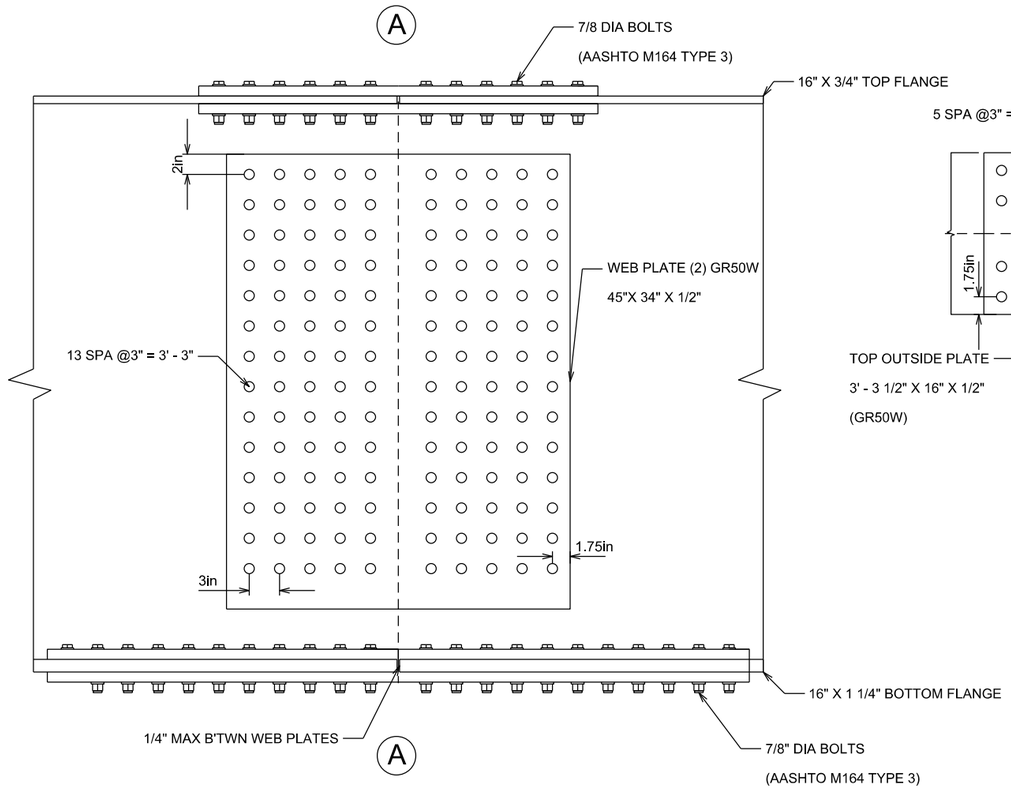
NOTES:

1. GIRDERS A-D ARE CUT INTO 100 FT AND 25 FT SECTIONS FOR SHIPPING
2. STIFFENERS CONSIDERED IN FINAL DESIGN
3. SEC A-A SHOWS FIELD SPLICE LOCATION AT 100 FT FROM A1
4. FOR CONNECTION DETAILS, SEE SHEET 104

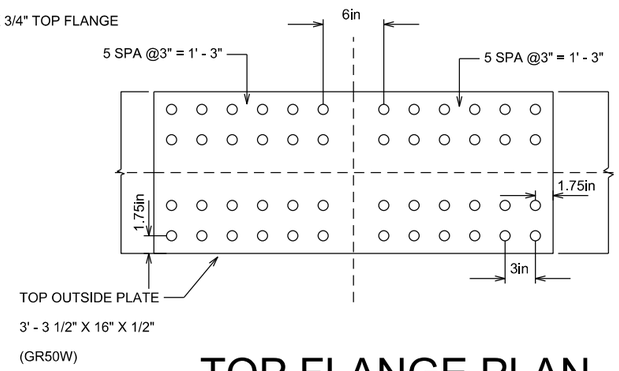
BRIDGING THE GAP ENGINEERING

BRYCE CREEK BRIDGE BEGLEY ROAD CABELL COUNTY, WV	GIRDER ELEVATION VIEW STEEL PLATE GIRDER ALTERNATIVE
DATE 9 MARCH 2019	GIRDER ELEVATION VIEW 1:10 SCALE

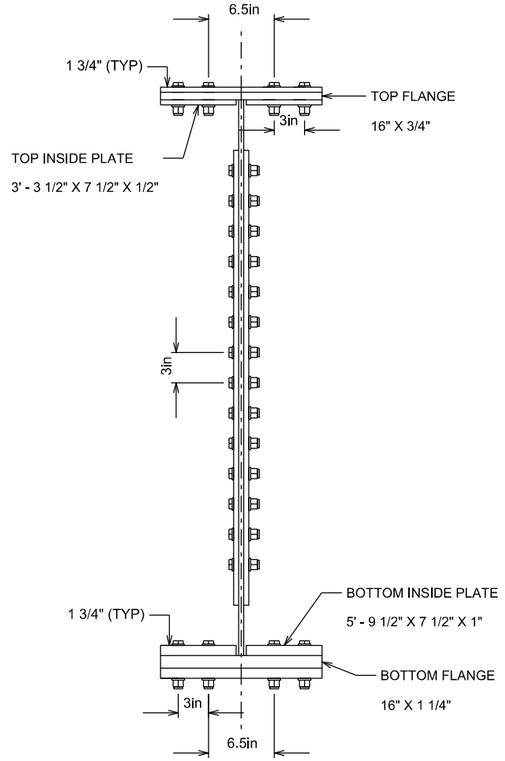
DRAWN BY	DESIGNED BY	CHECKED BY:	SHEET
MSA	BGE	NMN	103



ELEVATION



TOP FLANGE PLAN

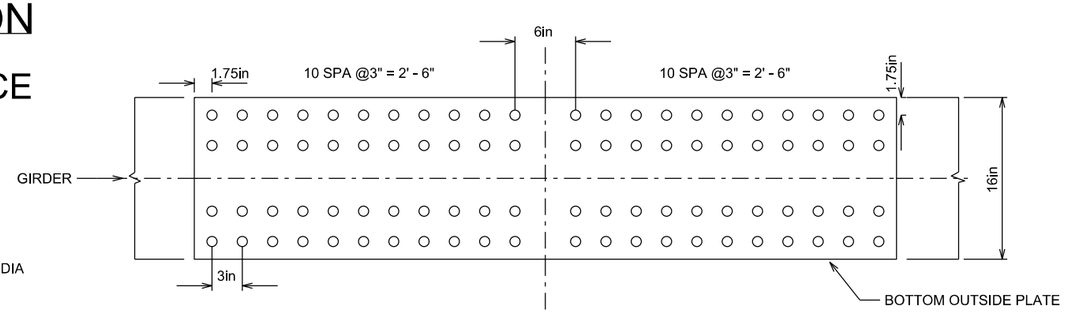


SECTION A-A

FIELD SPLICE

NOTES

1. ALL STEEL FOR SPLICE PLATES SHALL BE AASHTO GR50W
2. FINAL LAYOUT AND SPACING TO BE CONSIDERED IN FINAL DESIGN
3. ALL BOLT HOLES FOR 7/8" DIA BOLTS SHALL BE 15/16"
4. ALL BOLTS TO BE USED SHALL BE AASHTO M164 TYPE 3 BOLTS, 7/8" DIA

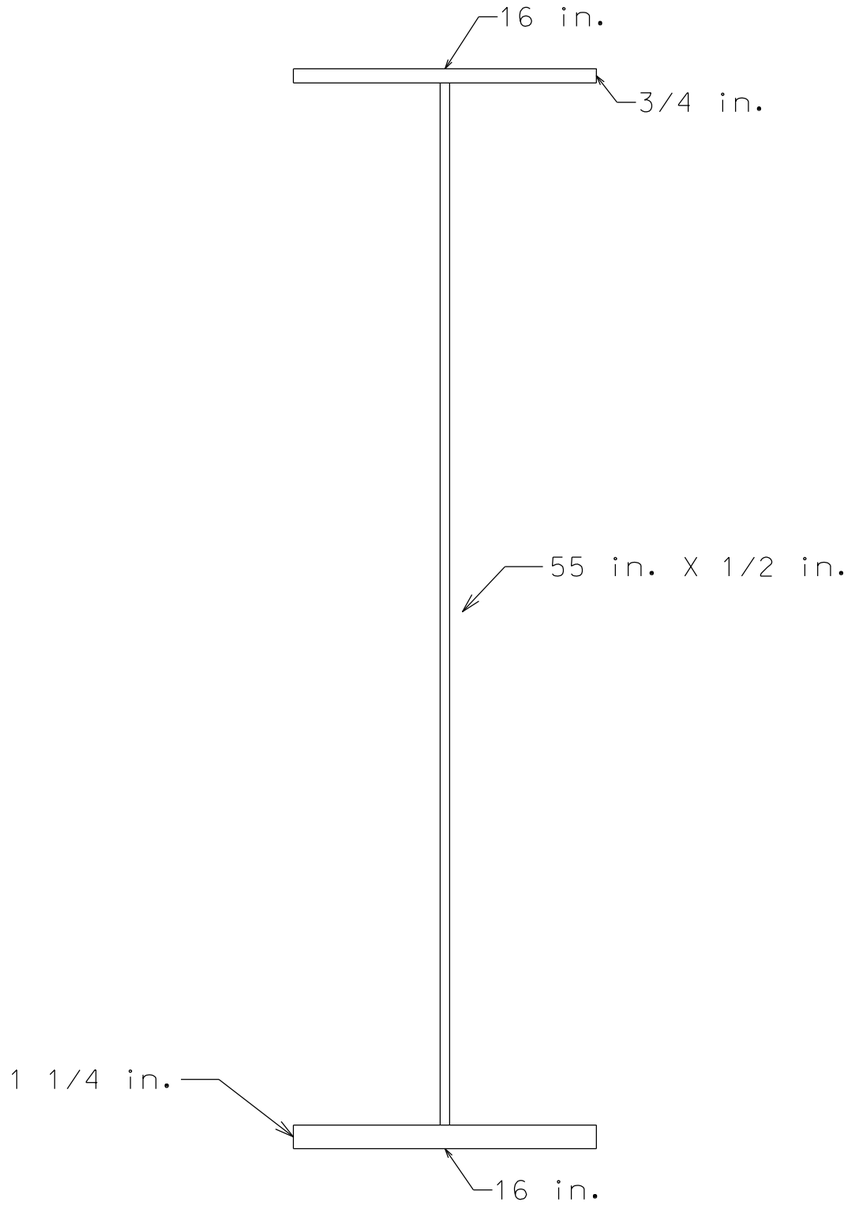


BOTTOM FLANGE PLAN

BRIDGING THE GAP ENGINEERING

BRYCE CREEK BRIDGE BEGLEY ROAD CABELL COUNTY, WV	CONNECTION DETAIL
DATE 14 MARCH 2019	DIMENSIONS SHOWN

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET
MSA	BGE	NMN	104



NOTES

1. PLATE GIRDER CONSISTS OF 3 PLATES, WELDED CONNECTION
2. SHIPPING LIMIT 100' SO GIRDERS A-D WILL BE FABRICATED IN 100' AND 25' SECTIONS (4 EACH)

   TOP FLANGE 16" X 3/4"

   WEB 55" X 1/2"

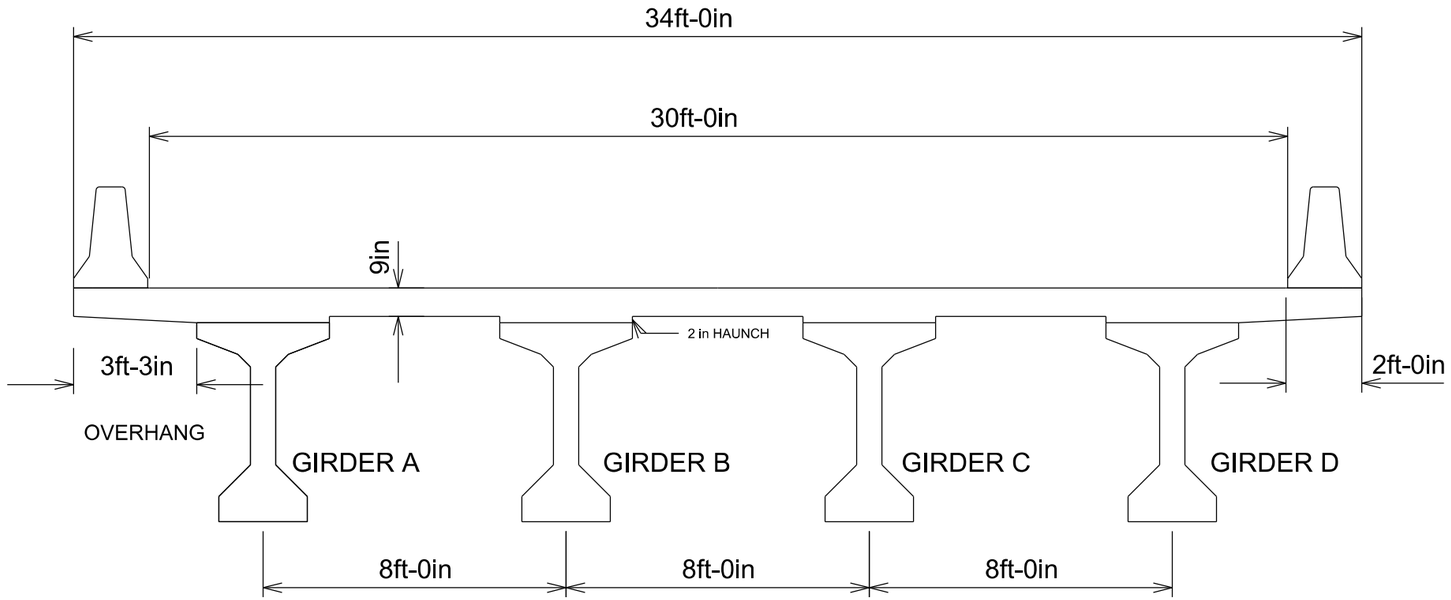
   BOTTOM FLANGE 16" X 1 1/4"
3. WELD SIZE DEPENDENT UPON MANUFACTURER

1 in. = 8 in.

BRIDGING THE GAP ENGINEERING

BRYCE CREEK BRIDGE BEGLEY ROAD CABELL COUNTY, WV	SECTION VIEW STEEL PLATE GIRDER ALTERNATIVE
DATE 9 MARCH 2019	SCALE 1:8

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET
MSA	BGE	NMN	105



SECTION VIEW

NOTES

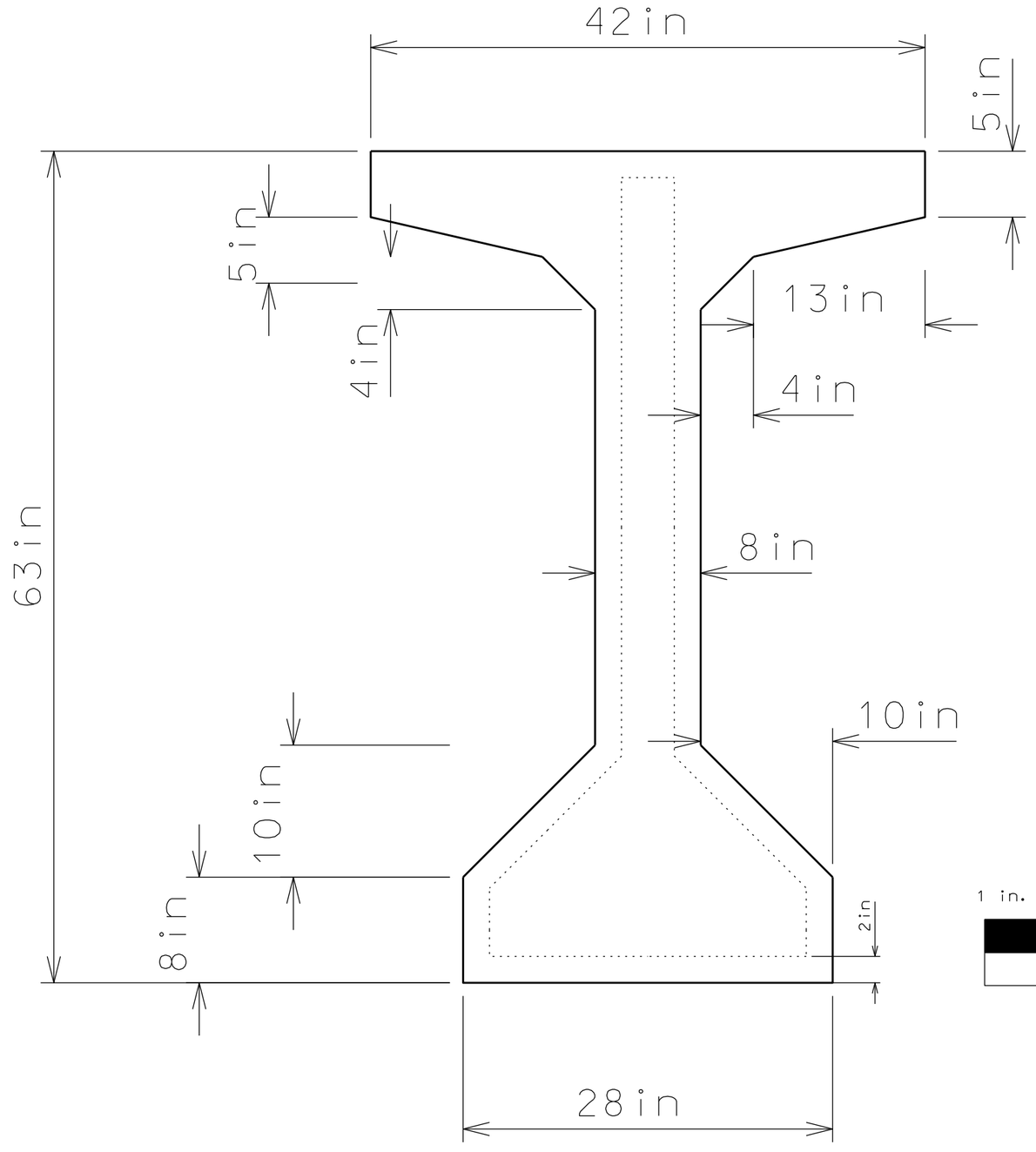
1. WVDOH TYPE F BARRIERS USED
2. REINFORCEMENT LAYOUT/SIZING TO BE CONSIDERED IN FINAL DESIGN
3. 4 GIRDERS @ 8' SPACING, LOOKING FROM A1 TO A2

1 in. = 4 ft.

BRIDGING THE GAP ENGINEERING

BRYCE CREEK BRIDGE BEGLEY ROAD CABELL COUNTY, WV	CONCRETE BEAM ALTERNATIVE SECTION VIEW
DATE 9 MARCH 2019	SCALE 1:4

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET
MSA	BGE	NMN	106

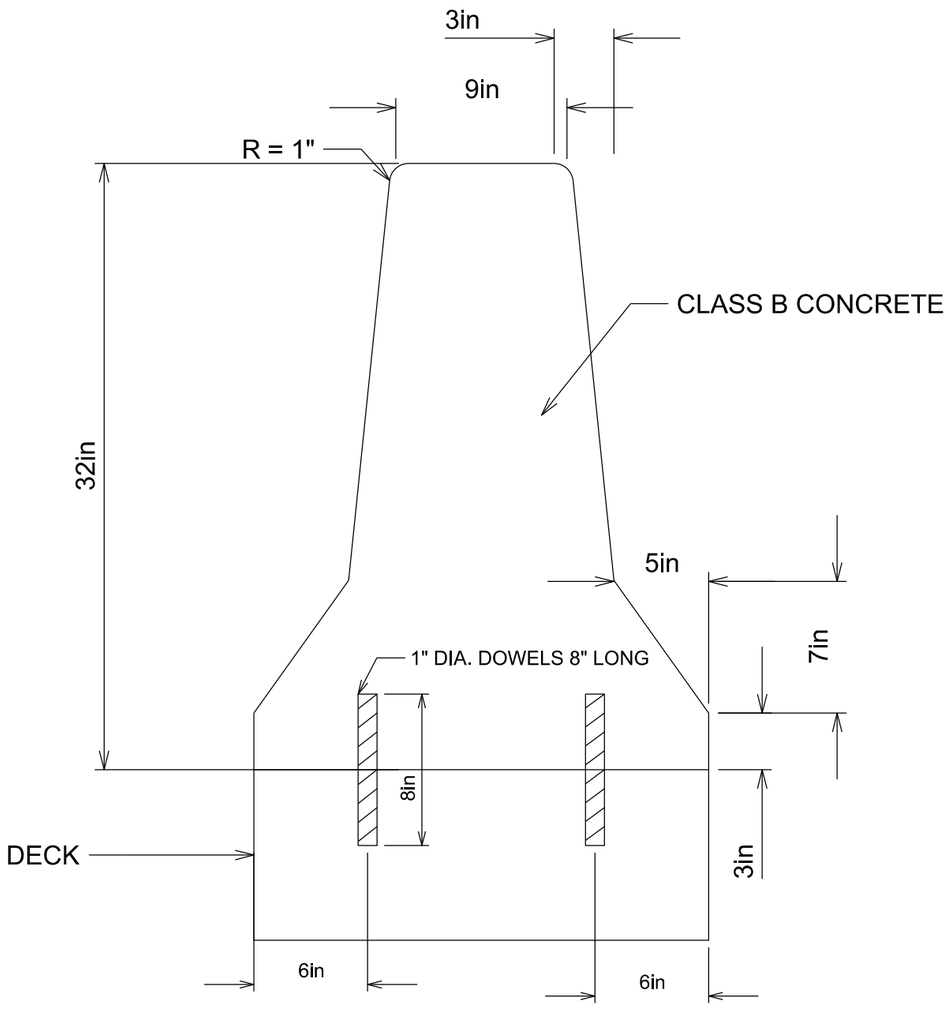


1 in. = 10 in.

NOTES

1. TYPICAL REBAR EDGE DISATNCE = 2" AS SHOWN
2. PRELIMINARY REBAR LAYOUT SHOWN, 2 in. SPACNG (TYP.)
3. REINFORCEMENT SIZING, COVER, ETC TO BE CONSIDERED IN FINAL DESIGN

BRIDGING THE GAP ENGINEERING			
BRYCE CREEK BRIDGE BEGLEY ROAD CABELL COUNTY, WV		CONCRETE BEAM ALT. SECTION VIEW	
DATE 9 MARCH 2019		SCALE 1:10	
DRAWN BY MSA	DESIGNED BY BGE	CHECKED BY NMN	SHEET 107



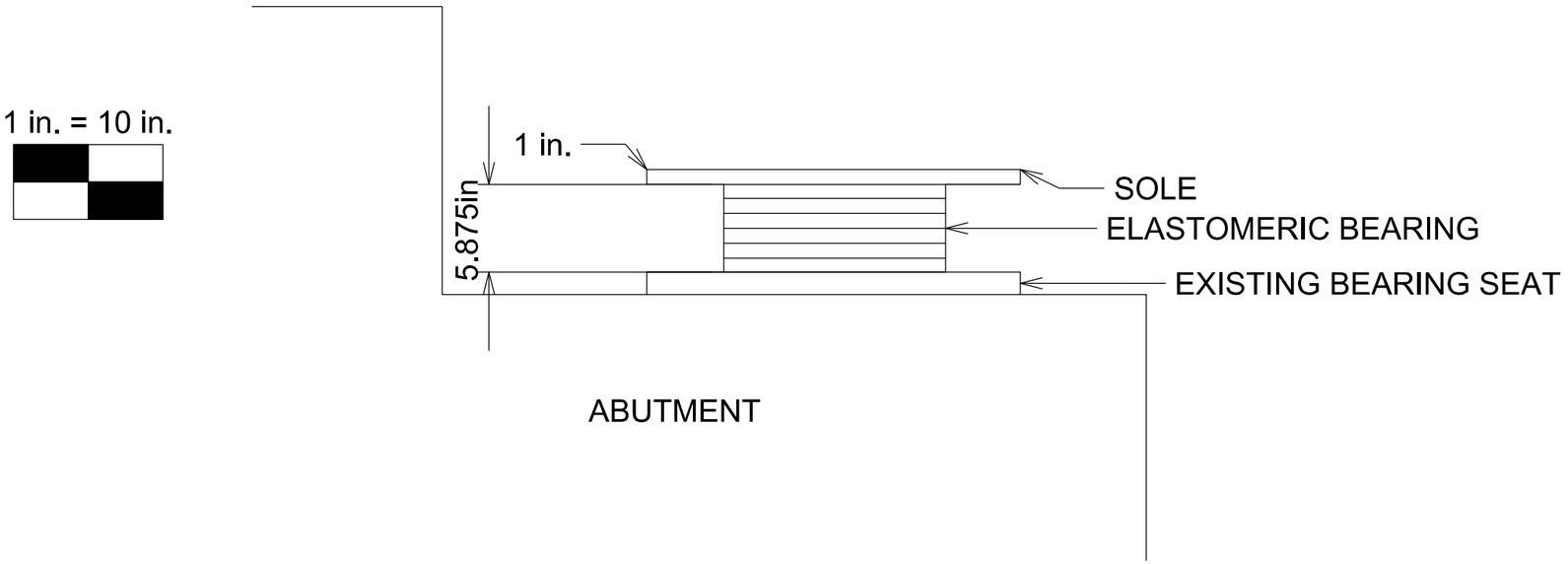
NOTES

1. WVDOT STANDARD TYPE F BARRIER (TYP.)
2. MINIMUM HEIGHT OF 32 lin. ABOVE DECK SURFACE
3. REINFORCEMENT AND DECK SEATING DETAILS TO BE CONSIDERED IN FINAL DESIGN

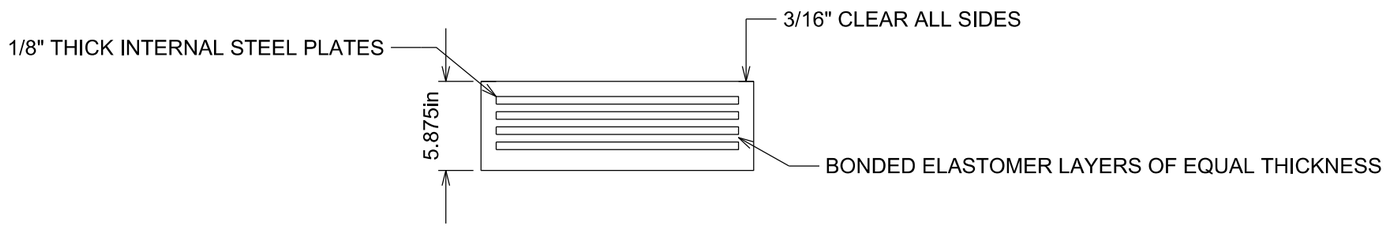
1 in. = 8 in.

BRIDGING THE GAP ENGINEERING			
BRYCE CREEK BRIDGE BEGLEY ROAD CABELL COUNTY, WV		PARAPET SECTION VIEW	
DATE 10 MARCH 2019		SCALE 1:8	
DRAWN BY MSA	DESIGNED BY BGE	CHECKED BY NMN	SHEET 108

1 in. = 10 in.



ELEVATION VIEW



SECTION VIEW

(NOT TO SCALE)

BRIDGING THE GAP ENGINEERING	
BRYCE CREEK BRIDGE BEGLEY ROAD CABELL COUNTY, WV	ELASTOMERIC BEARING DETAIL
DATE: 10 MARCH 2019	SCALE: SCALE SHOWN ON DRAWING

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET
MSA	BGE	NMN	109