1. ALL DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2022 CALIFORNIA BUILDING CODE.
2. ALL DETAILS, SECTIONS AND NOTES SHOWN ON DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE, UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO BEGINNING CONSTRUCTION. ACTUAL SITE DIMENSIONS SHALL TAKE PRECEDENCE OVER DIMENSIONS &/OR SCALE SHOWN ON THE DRAWINGS. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER.
3. GEOTECHNICAL ENGINEERING, AND ABUTMENT AND FOUNDATION DESIGN BY OTHERS.
4. STRUCTURAL STEEL FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS". ROLLED STEEL SHAPES SHALL BE ASTM A-588 GRADE 50 CORROSION RESISTANT STEEL. STEEL FOR SPLICE PLATES ARE ASTM A-588 GRADE 50 CORROSION RESISTANT STEEL. ALL BOLT HOLES SHALL BE PUNCHED OR DRILLED, BURNING OF HOLES SHALL NOT BE PERMITTED. STEEL-TO-STEEL BOLTED CONNECTIONS FOR GIRDER SPLICES SHALL BE ASTM A325-X TYPE 3 BOLTS & SHALL BE MATCH-DRILLED TO MINIMIZE TOLERANCE: HOLE OVER-SIZE SHALL NOT EXCEED BOLT DIAMETER PLUS 1/16". GIRDER/SPLICE ASSEMBLY SHALL BE PRE-ASSEMBLED AND FABRICATED WITH CAMBER AS SPECIFIED IN THE DRAWINGS. OTHER STEEL-TO-STEEL BOLTED CONNECTIONS (NOT AT GIRDER SPLICES) SHALL BE ASTM A325-N TYPE 3 UNLESS NOTED OTHERWISE. SUBMIT STRUCTURAL STEEL SHOP DRAWINGS FOR ENGINEERING REVIEW & APPROVAL PRIOR TO FABRICATION.
5. STEEL ANCHOR BOLTS AND EPOXY ANCHOR BOLTS SHALL BE HOT-DIPPED GALVANIZED ASTM F1554 GRADE 105 STEEL. ANCHOR BOLTS SHALL HAVE BOLT HEAD OR AN EQUAL DEFORMITY AT THE EMBEDDED END. EMBED AND FASTEN ANCHORS INTO CONCRETE BRIDGE ABUTMENTS IN ACCORDANCE WITH ABUTMENT DESIGN TO BE PROVIDED BY OTHERS.
6. CARPENTRY AND TIMBER:
   A. STRUCTURAL TIMBER GRADING SHALL BE WCLB STANDARD GRADING RULES FOR WEST COAST LUMBER.
   B. DECK PLANKS, NAILERS AT STEEL GIRDERS AND GUARD FRAMING SHALL BE CONSTRUCTION GRADE REDWOOD OR BETTER: DECK PLANKS SHALL BE FULL-DIMENSION, ROUGH SAWN; GUARD FRAMING SHALL BE S4S.
   C. BOLTS, NUTS & ALL WASHERS SHALL BE COMPATIBLE WITH STRUCTURAL STEEL PER NOTE 5 ABOVE. BOLTS IN WOOD &/OR LABELED "M.B." SHALL CONFORM TO ASTM A-307 OR BETTER. BOLT HOLES IN WOOD SHALL BE DRILLED 1/16" OVERSIZE OF BOLT. USE STANDARD CUT WASHERS OR MALLEABLE IRON WASHERS (M.I.W.) ON ALL BEARING OF HEADS & NUTS AGAINST WOOD, AS INDICATED IN THE DRAWINGS. USE STANDARD CUT WASHERS ON ALL BEARING OF BOLT HEADS & NUTS AGAINST STEEL. ALL BOLTS, NUTS, WASHERS & M.I.W.'s SHALL BE HOT-DIP GALVANIZED.
   D. BOLT TIGHTENING: ALL NUTS SHALL BE TIGHTENED WHEN PLACED AND RE-TIGHTENED AT COMPLETION OF PROJECT.
   E. FRAMING SCREWS SHALL BE EXTERIOR, CORROSION-PROTECTED. TIMBER SCREWS FOR DECK PLANKS SHALL BE SIMPSON SDWS TIMBER SCREWS. TIMBER SCREWS FOR GUARDCAP SHALL BE "SIMPSON SDWS TIMBER SCREWS" OR "SIMPSON DWP WOOD SS316 SCREWS". SMALLER SCREWS MAY BE SAME SIMPSON PRODUCTS OR "GRABBER EXTERIOR WOOD" BUGLE HEAD, COARSE THREAD, WITH "GRABBERGARD" COATING; OR ALTERNATE WITH APPROVAL OF PROJECT CIVIL ENGINEER.
   F. 5/8" LAG SCREWS AND 1/2" BOLTS FOR USE WITH "SIMPSON ABU46Z POST BASES" SHALL BE HOT-DIP GALVANIZED.
   G. FRAMING HARDWARE SHALL BE AS MANUFACTURED BY SIMPSON COMPANY AND SHALL BE HOT-DIP GALVANIZED. ITEMS SHALL BE INSTALLED WITH THE FASTENERS SPECIFIED IN THEIR CURRENT CATALOG.

NOTE:
ALL BOLTS, NUTS & WASHERS SHALL BE MADE OF TYPE 3 WEATHERING STEEL

H1 GENERAL ENGINEERING NOTES AND SPECIFICATIONS

VERTICAL LOADS

PEDESTRIAN LIVE LOAD	= 90 psf
EQUESTRIAN LIVE LOAD	= 1.0 KIP
H_5 VEHICLE LOAD	= 10.0 KIP (FOR STRUCTURAL STEEL DESIGN ONLY)
* LIMIT MOTORIZED VEHICLE LOAD TO 4.0 KIPS. CONTACT EOR FOR MOTORIZED VEHICLE LOADS GREATER THAN 4.0 KIPS	
BASIC WIND SPEED (3-SECOND GUST)	= 95 mph (ULT)
WIND RISK CATEGORY	= II
WIND EXPOSURE FACTOR	Exp = C
SOLID FREESTANDING WALLS AND SOLID FREESTANDING SIGNS	C_f = 1.95

SEISMIC DESIGN PARAMETERS-EQUIVALENT LATERAL FORCE PROCEDURE

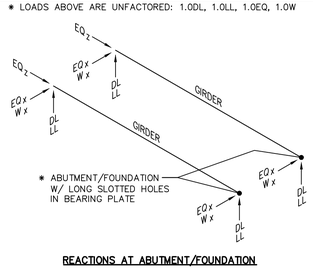
SEISMIC FORCE RESISTING SYSTEM	= RIGID NON-BUILDING STRUCTURE ASCE 7-16 SECTION 15.4.2
RISK CATEGORY	= II
S_{DS} = 2.00%	Ω_0 = 2 V = 0.600W (LRFD)

E1 2022 CBC DESIGN CRITERIA

STEEL FRAMING SPECS. FOR 24-FT. TO 60-FT. BRIDGES					
	BRIDGE LENGTH (FT.)	GIRDER SIZE	LATERAL BRACE	SPLICE PLATE (GR 50)	FABRICATED POSITIVE CAMBER
	24	W14x22	W10x15	10"x36"x¾"	2.25"
	26	W14x22	W10x15	10"x36"x¾"	2.5"
	28	W14x22	W10x15	10"x36"x¾"	2.5"
	30	W16x26	W12x19	12"x36"x¾"	2.75"
	32	W16x26	W12x19	12"x36"x¾"	2.75"
REFER TO * S1-28	34	W16x26	W12x19	12"x36"x¾"	3.0"
	36	W18x35	W14x22	14"x36"x¾"	3.0"
	38	W18x35	W14x22	14"x36"x¾"	3.25"
REFER TO * S1-34	40	W18x35	W14x22	14"x36"x¾"	3.5"
	42	W21x44	W18x35	17"x36"x¾"	3.5"
	44	W21x44	W18x35	17"x36"x¾"	3.75"
REFER TO * S1-40	46	W21x44	W18x35	17"x36"x¾"	4.0"
	48	W24x55	W21x44	20"x36"x¾"	4.0"
REFER TO * S1-46	50	W24x55	W21x44	20"x36"x¾"	4.25"
	52	W24x55	W21x44	20"x36"x¾"	4.5"
REFER TO * S1-50	54	W24x55	W21x44	20"x36"x¾"	4.75"
	56	W24x68	W21x44	20"x36"x1"	4.75"
REFER TO * S1-56	58	W24x68	W21x44	20"x36"x1"	5.25"
REFER TO * S1-60	60	W24x68	W21x44	20"x36"x1"	5.5"

REACTIONS AT ABUTMENT/FOUNDATION					
GIRDER SIZE	DL (KIPS)	LL (KIPS)	EQ_X (KIPS)	W_X (KIPS)	EQ_Z (KIPS)
W14x22	1.3	5.0	1.4	2.5	2.7
W16x26	1.6	5.0	1.8	3.0	3.4
W18x35	2.1	5.4	2.2	3.6	4.2
W21x44	2.8	6.2	2.8	4.2	5.3
W24x55	3.6	7.3	3.5	4.9	6.6
W24x68	4.6	8.1	4.4	5.7	7.9

* LOADS ABOVE ARE UNFACTORED: 1.0DL, 1.0LL, 1.0EQ, 1.0W



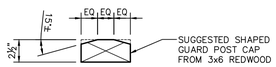
REACTIONS AT ABUTMENT/FOUNDATION

A1 TABLE: STEEL FRAMING SPECIFICATIONS FOR 24-FT. TO 60-FT. TRAIL BRIDGE LENGTHS

STRUCTURAL TESTS & INSPECTIONS SCHEDULE		
THE FOLLOWING ITEMS SHALL BE INSPECTED BY THE PROJECT ENGINEER OF RECORD (EOR). "SPECIAL INSPECTION" SHALL CONFORM TO 2022 CBC. SPECIAL INSPECTION AGENCIES AND/OR INDIVIDUALS SHALL BE APPROVED BY THE BUILDING DEPARTMENT PRIOR TO ANY WORK. FOR MATERIAL TESTING REQUIREMENTS, REFER TO GENERAL ENGINEERING NOTES AND SPECIFICATIONS. TESTING AGENCY SHALL SEND COPIES OF ANY STRUCTURAL TESTING AND INSPECTION REPORTS DIRECTLY TO THE EOR.		
ITEM	REQUIRED	REMARKS
STRUCTURAL STEEL	X	PROVIDE CERTIFICATE OF STEEL AND HARDWARE GRADE TO EOR
	X	PROVIDE WELDER AWS CERTIFICATION
	X	VISUAL INSPECTION FOR FILLET WELDS 5/16" OR LESS
SPLICE & BRACING ASSEMBLIES & BOLTING	X	EOR TO INSPECT FINAL INSTALLATION

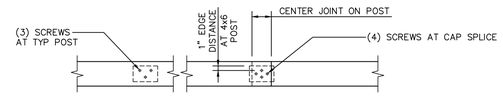
* SPECIAL INSPECTION REQUIREMENTS FOR THE FOUNDATION/ABUTMENT BY OTHERS

K7 STRUCTURAL TESTS & INSPECTIONS SCHEDULE

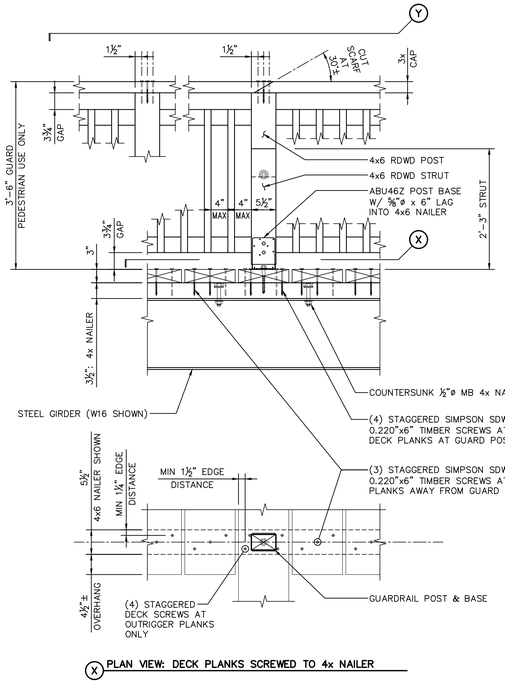


OPTIONAL SHAPED 3x6 CAP SECTION: ENLARGED 2x

#12 x 5" SIMPSON T12500WP1 DWP WOOD SS316 EXTERIOR SCREWS OR 0.220"x5" SIMPSON SDWS22600DB-RC12 TIMBER DECK SCREWS
SUB-DRILL HOLES TO AVOID SPLITTING END GRAIN OF POST



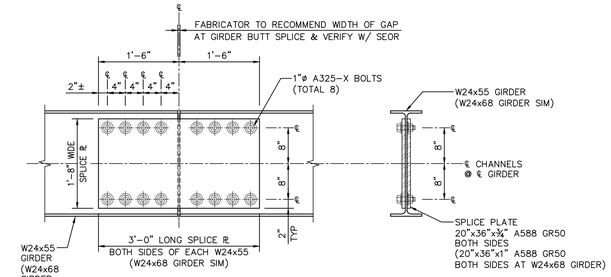
(Y) PLAN VIEW: ATTACH CAP & CAP SPLICE TO POST



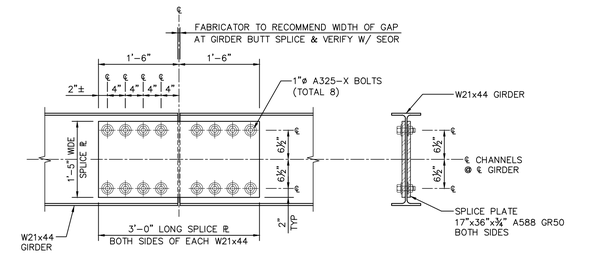
(X) PLAN VIEW: DECK PLANKS SCREWED TO 4x NAILER

A7 GUARD POST DETAILS

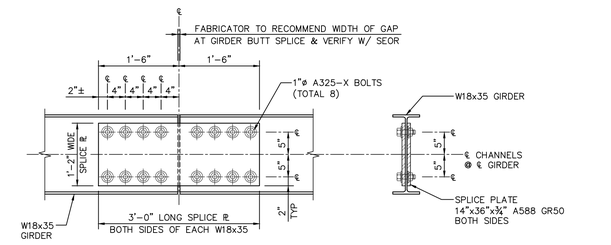
¾"=1'-0"



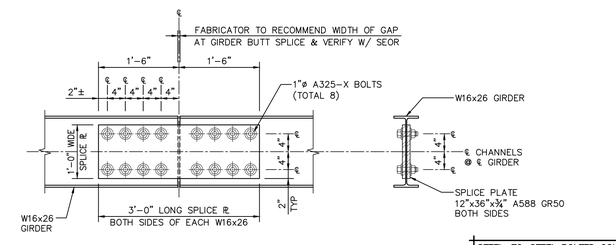
W24x55 GIRDER DBL ¾" PL SPLICE
(W24x68 GIRDER DBL 1" PL SPLICE SIMILAR)



W21x44 GIRDER DBL ¾" PL SPLICE

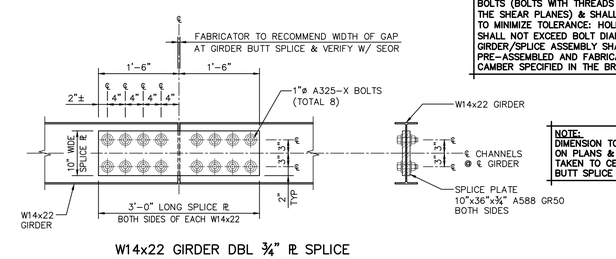


W18x35 GIRDER DBL ¾" PL SPLICE



W16x26 GIRDER DBL ¾" PL SPLICE

STEEL-TO-STEEL BOLTED CONNECTIONS FOR GIRDER SPLICES SHALL BE ASTM A325-X BOLTS (BOLTS WITH THREADS EXCLUDED FROM THE SHEAR PLANES) & SHALL BE FABRICATED TO MINIMIZE TOLERANCE: HOLE OVER-SIZE SHALL NOT EXCEED BOLT DIAMETER PLUS 1/16". GIRDER/SPLICE ASSEMBLY SHALL BE PRE-ASSEMBLED AND FABRICATED WITH THE CAMBER SPECIFIED IN THE BRIDGE ELEVATION.



W14x22 GIRDER DBL ¾" PL SPLICE

NOTE:
DIMENSION TO SPLICES NOTED ON PLANS & ELEVATIONS ARE TAKEN TO CENTER OF GIRDER BUTT SPLICE

A13 STEEL GIRDER SPLICE DETAILS

¾"=1'-0"

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EXPIRATION: 03-31-27

DATE SIGNED: 12-09-25

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DATE	DESCRIPTION
12-09-25	
1	ADD SHEET S1-60 TO DWG SET 01-15-26
2	
3	
4	
5	
6	

DRAWN BY: KS
CHECKED BY: JFG

PEDESTRIAN TRAIL BRIDGES

MARIN COUNTY OPEN SPACE DISTRICT
3501 CIVIC CENTER DRIVE, SUITE 260
SAN RAFAEL, CA 94903

PLOT DATE 1/15/2026 3:18 PM

JOB NUMBER 5275.1.1.25

SCALE AS NOTED

SHEET NUMBER S0.1

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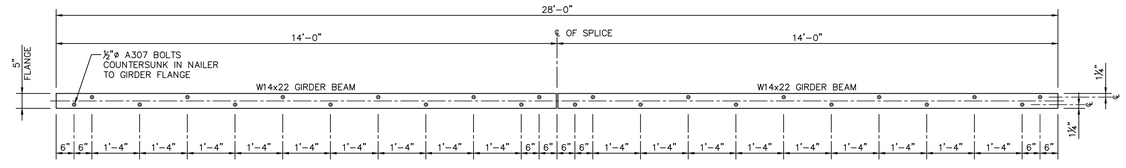
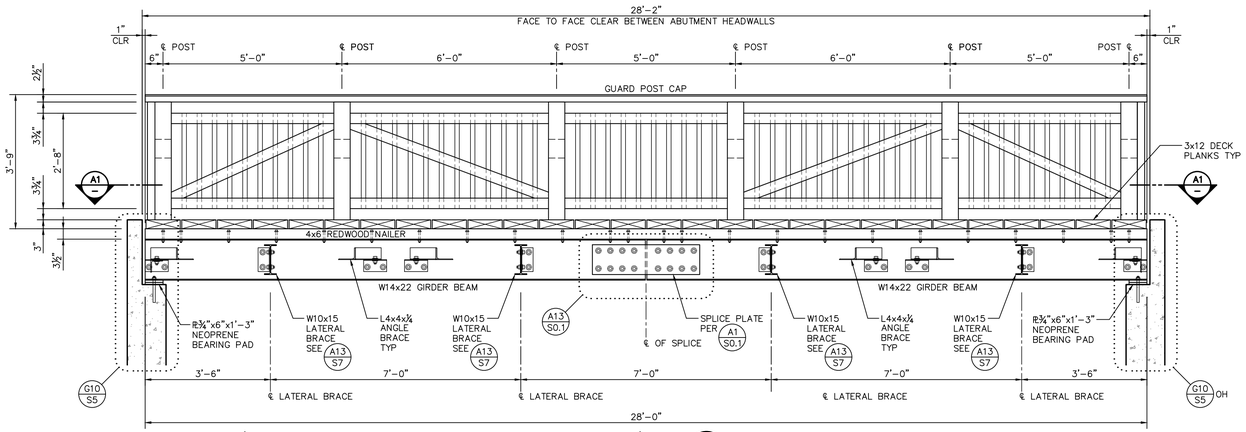


L1 PLAN VIEW OF SPLICED W14 GIRDER WITH LAYOUT OF 4x6 NAILER BOLTS

½"=1'-0"

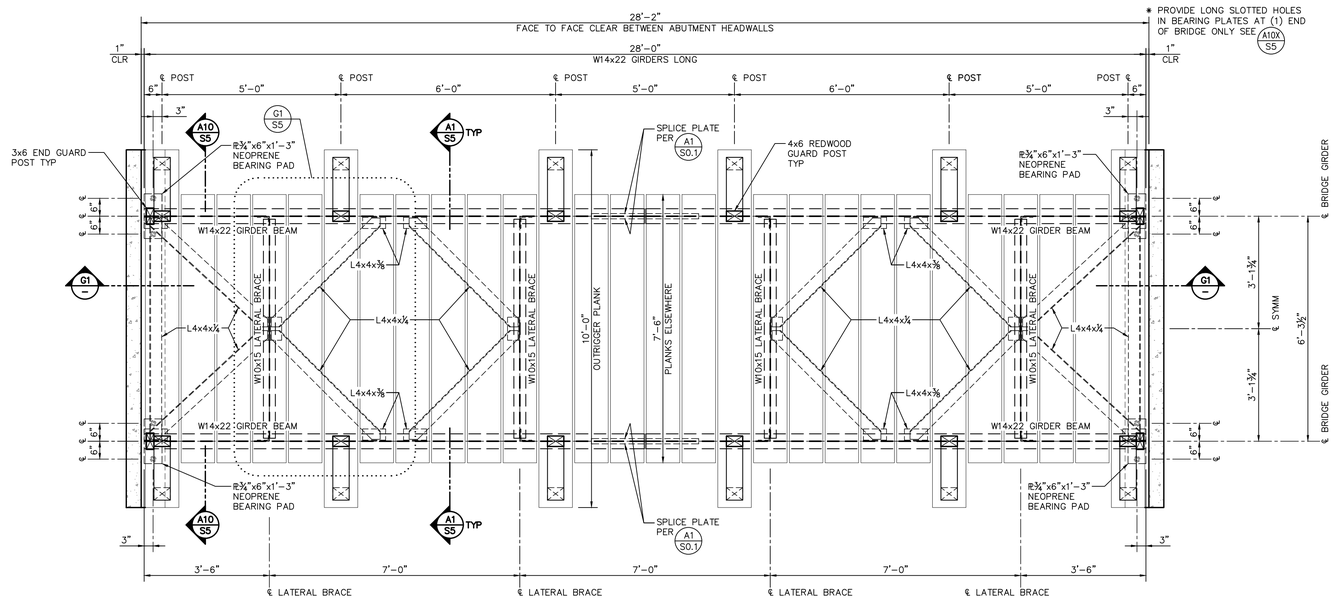


NOTE: OVERALL 2.5" UPWARD CAMBER AT CENTER OF BRIDGE

SEE A1/S0.1 FOR UPWARD CAMBER AT ALTERNATE BRIDGE LENGTHS

G1 BRIDGE LONGITUDINAL SECTION: SPAN 28 FEET

½"=1'-0"



A1 BRIDGE PLAN VIEW: SPAN 28 FEET

½"=1'-0"

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12-09-25		
DRAWN BY: KS		
CHECKED BY: JFG		
1	ADD SHEET S1-60 TO DWG SET	01-15-26
2		
3		
4		
5		
6		
7		

PEDESTRIAN TRAIL BRIDGES

MARIN COUNTY OPEN SPACE DISTRICT
3501 CIVIC CENTER DRIVE, SUITE 260
SAN RAFAEL, CA 94903

PLOT DATE
1/15/2026 2:46 PM

JOB NUMBER
5275.1.1.25

SCALE
AS NOTED

SHEET NUMBER
S1-28

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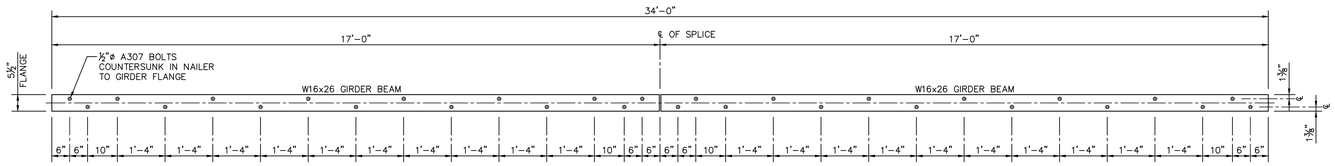
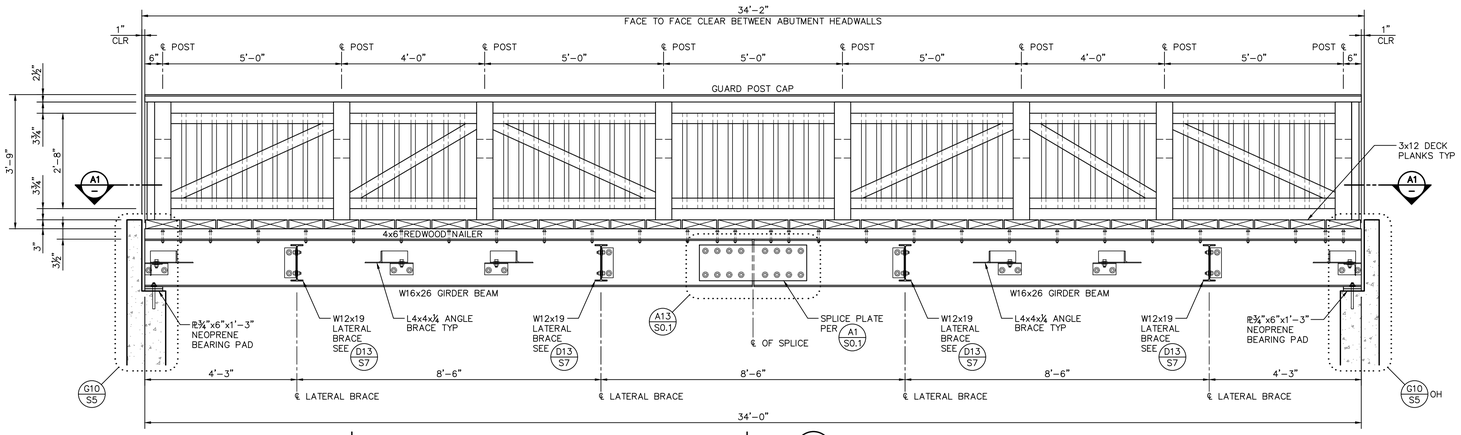


L1 PLAN VIEW OF SPLICED W16 GIRDER WITH LAYOUT OF 4x6 NAILER BOLTS

½"=1'-0"

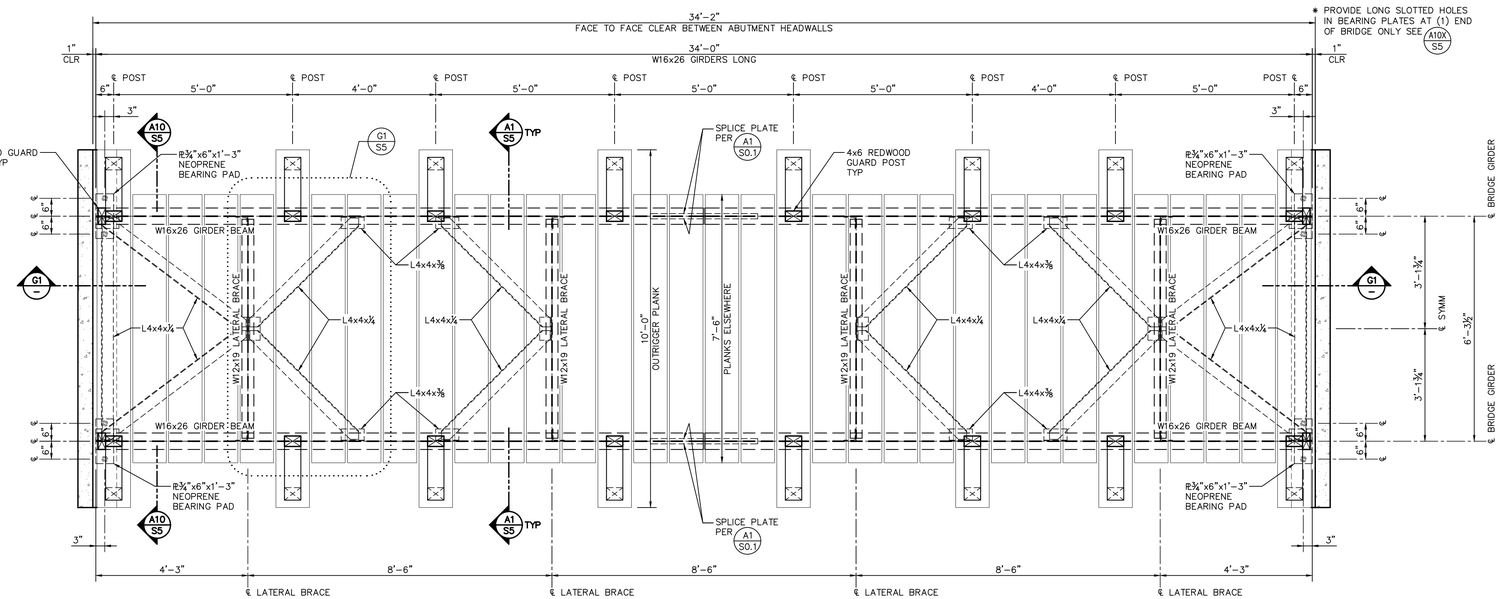


NOTE: OVERALL 3.0" UPWARD CAMBER AT CENTER OF BRIDGE

SEE A1/S0.1 FOR UPWARD CAMBER AT ALTERNATE BRIDGE LENGTHS

G1 BRIDGE LONGITUDINAL SECTION: SPAN 34 FEET

½"=1'-0"



A1 BRIDGE PLAN VIEW: SPAN 34 FEET

½"=1'-0"

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PEDESTRIAN TRAIL BRIDGES

MARIN COUNTY OPEN SPACE DISTRICT
3501 CIVIC CENTER DRIVE, SUITE 260
SAN RAFAEL, CA 94903

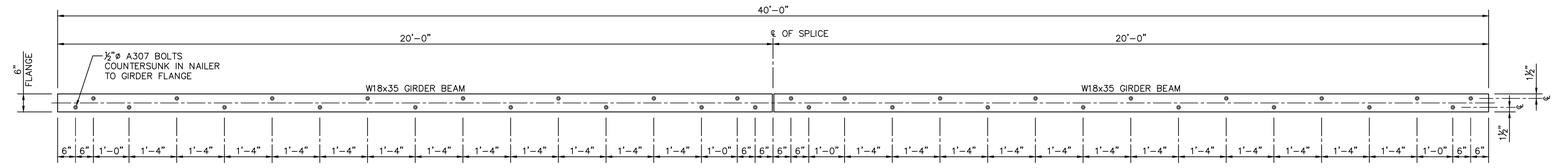
PLOT DATE
1/15/2026 2:46 PM

JOB NUMBER
5275.1.1.25

SCALE
AS NOTED

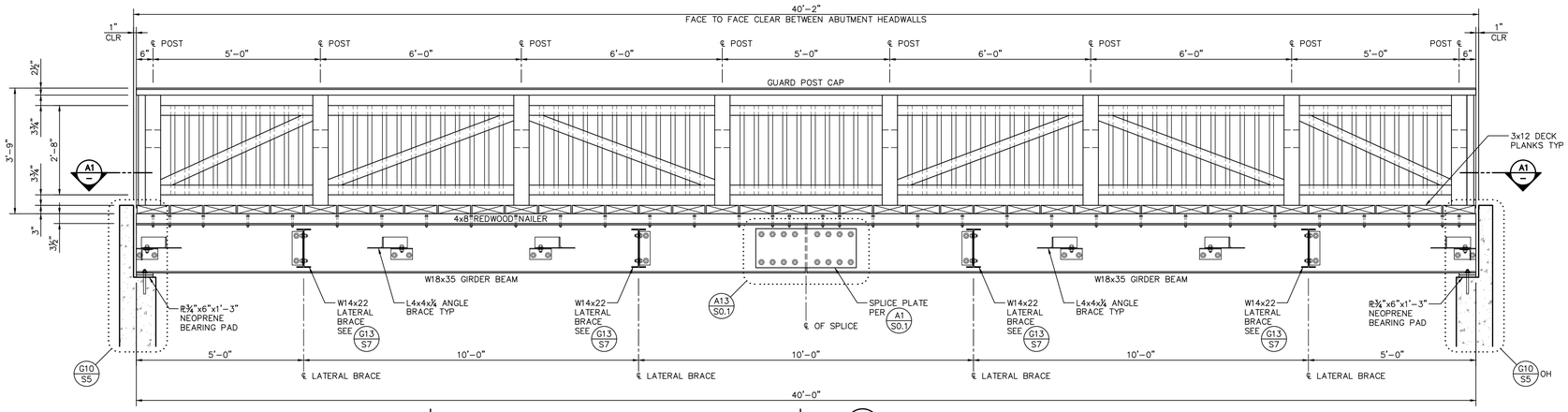
SHEET NUMBER
S1-34

X:\X\ZWORK45\527525 - BRIDGES -MARIN COUNTY\527525-S1-34



L1 PLAN VIEW OF SPLICED W18 GIRDER WITH LAYOUT OF 4x8 NAILER BOLTS

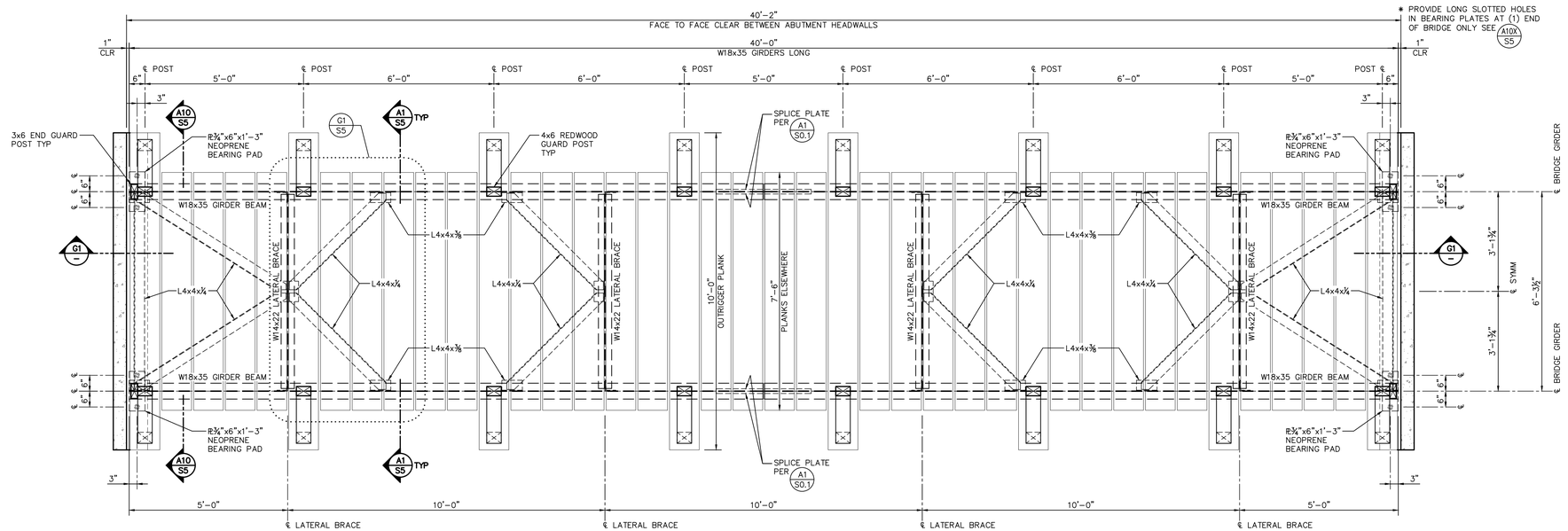
½"=1'-0"



NOTE: OVERALL 3.5" UPWARD CAMBER AT CENTER OF BRIDGE — SEE A1 S0.1 FOR UPWARD CAMBER AT ALTERNATE BRIDGE LENGTHS

G1 BRIDGE LONGITUDINAL SECTION: SPAN 40 FEET

½"=1'-0"



A1 BRIDGE PLAN VIEW: SPAN 40 FEET

½"=1'-0"

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REGISTERED PROFESSIONAL ENGINEER — JACOB FRANCISCO ZARAGOZA — C92139 — CIVIL — STATE OF CALIFORNIA

EXPIRATION: 03-31-27

DATE SIGNED: 12-09-25

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PEDESTRIAN TRAIL BRIDGES

MARIN COUNTY OPEN SPACE DISTRICT
3501 CIVIC CENTER DRIVE, SUITE 260
SAN RAFAEL, CA 94903

PLOT DATE
1/15/2026 2:46 PM

JOB NUMBER
5275.1.1.25

SCALE
AS NOTED

SHEET NUMBER
S1-40

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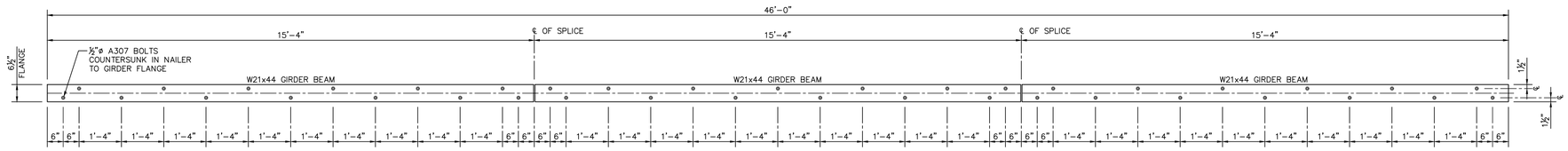
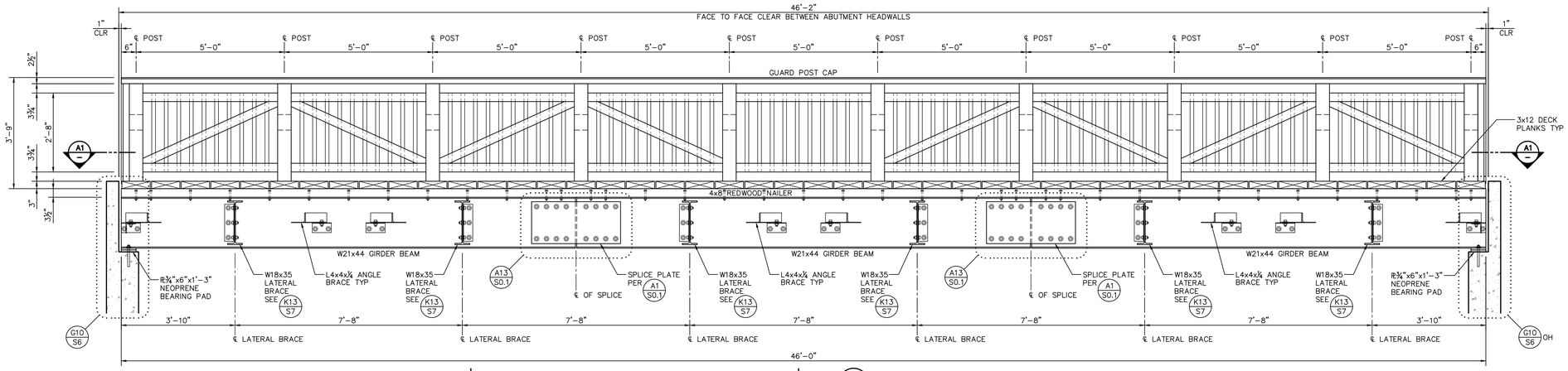


L1 PLAN VIEW OF SPLICED W21 GIRDER WITH LAYOUT OF 4x8 NAILER BOLTS

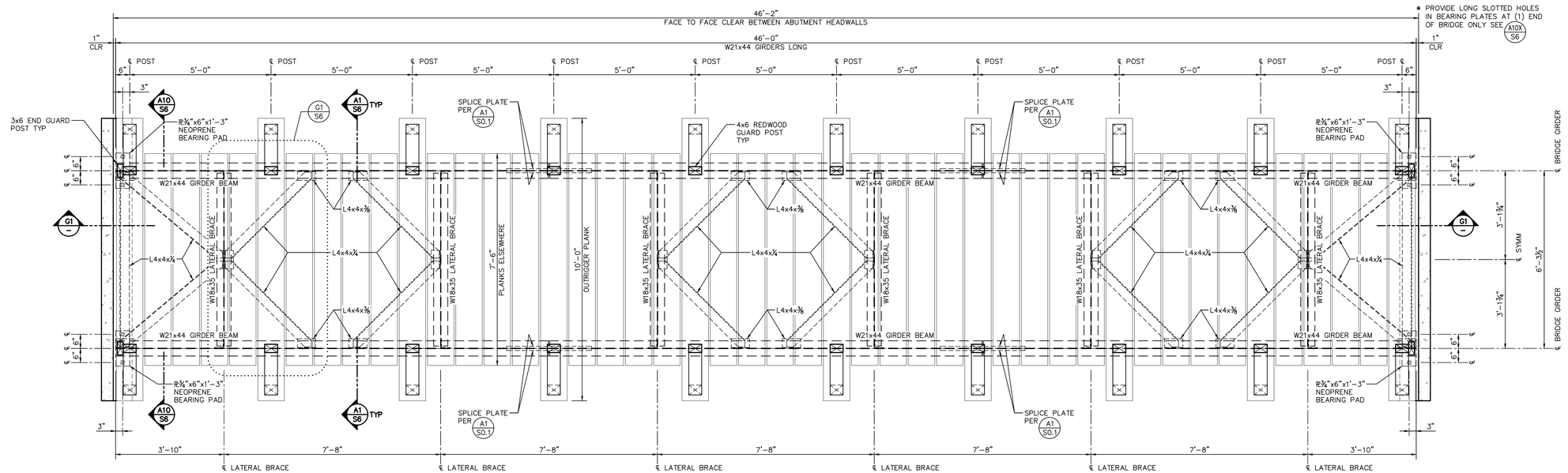
½"=1'-0"



NOTE: OVERALL 4.0" UPWARD CAMBER AT CENTER OF BRIDGE — SEE A1/S0.1 FOR UPWARD CAMBER AT ALTERNATE BRIDGE LENGTHS

G1 BRIDGE LONGITUDINAL SECTION: SPAN 46 FEET

½"=1'-0"



A1 BRIDGE PLAN VIEW: SPAN 46 FEET

½"=1'-0"

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REGISTERED PROFESSIONAL ENGINEER — JACOB FRANCISCO ELARGIMI — C92139 — CIVIL — STATE OF CALIFORNIA

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PEDESTRIAN TRAIL BRIDGES

MARIN COUNTY OPEN SPACE DISTRICT
3501 CIVIC CENTER DRIVE, SUITE 260
SAN RAFAEL, CA 94903

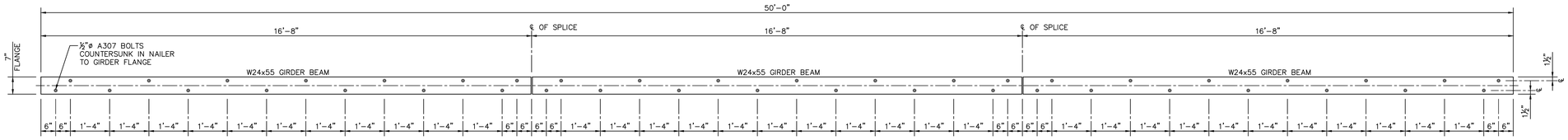
PLOT DATE
1/15/2026 2:47 PM

JOB NUMBER
5275.1.1.25

SCALE
AS NOTED

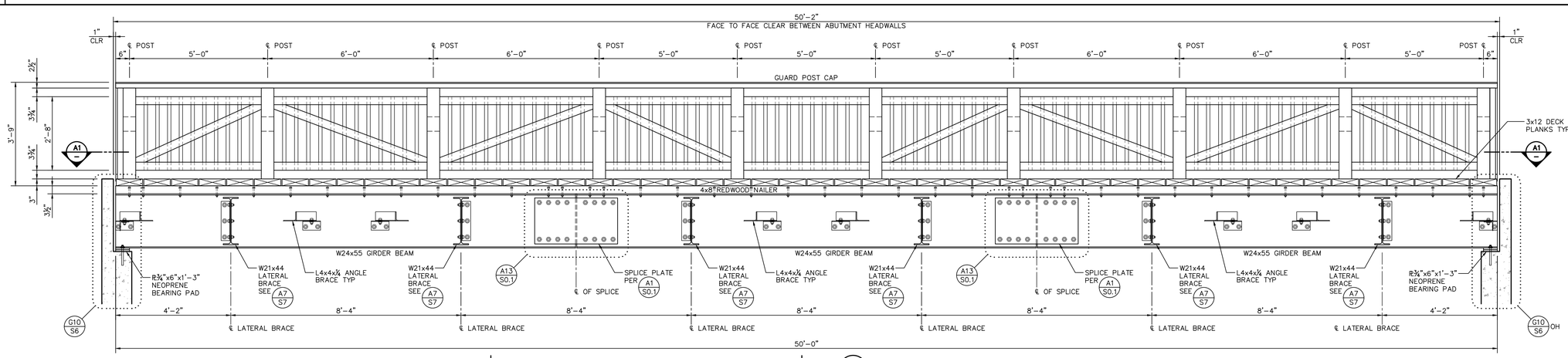
SHEET NUMBER
S1-46

X:\X\ZWORK45\527525 - BRIDGES -MARIN COUNTY\527525-S1-46



L1 PLAN VIEW OF SPLICED W24 GIRDER WITH LAYOUT OF 4x8 NAILER BOLTS

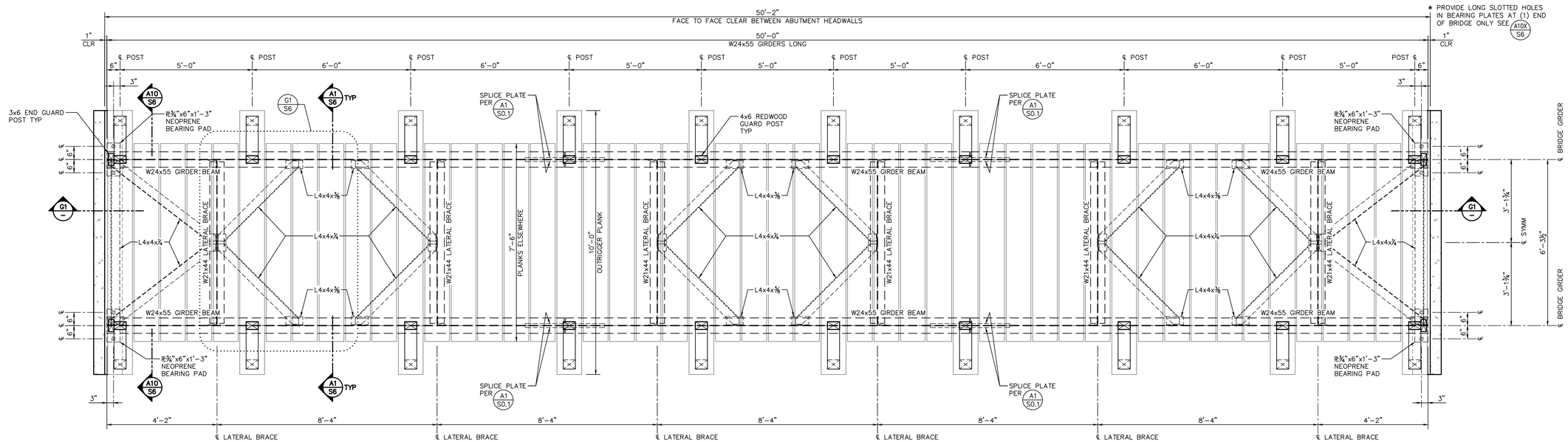
½"=1'-0"



NOTE: OVERALL 4.25" UPWARD CAMBER AT CENTER OF BRIDGE — SEE A1/S0.1 FOR UPWARD CAMBER AT ALTERNATE BRIDGE LENGTHS

G1 BRIDGE LONGITUDINAL SECTION: SPAN 50 FEET

½"=1'-0"



A1 BRIDGE PLAN VIEW: SPAN 50 FEET

½"=1'-0"

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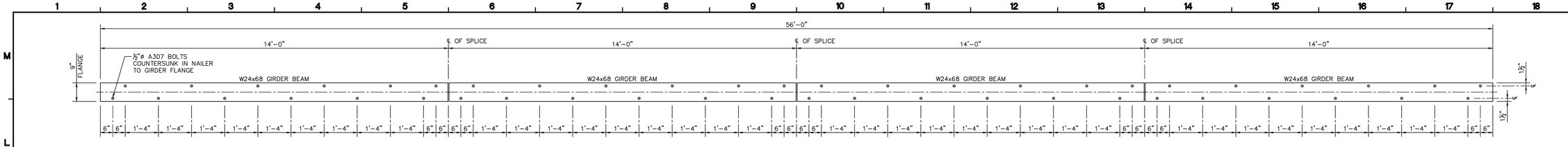
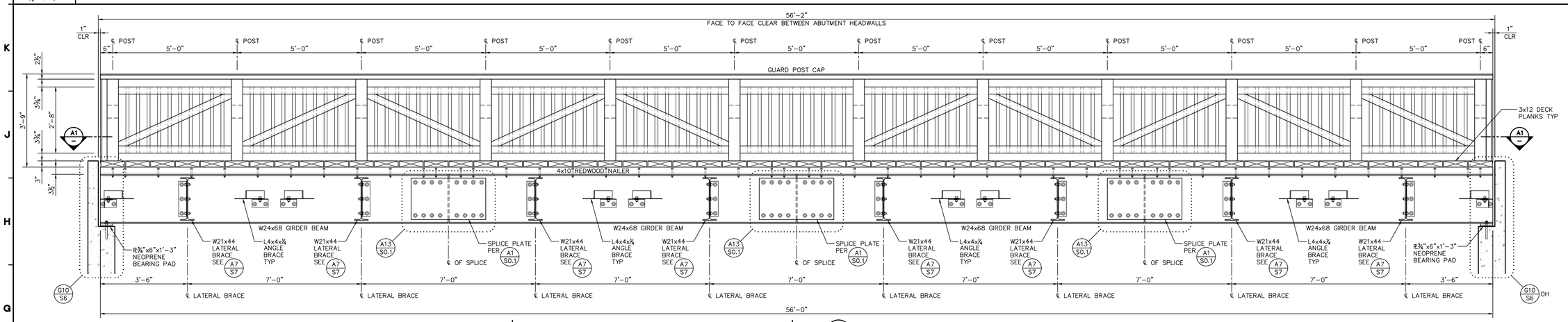


L1 PLAN VIEW OF SPLICED W24 GIRDER WITH LAYOUT OF 4x10 NAILER BOLTS

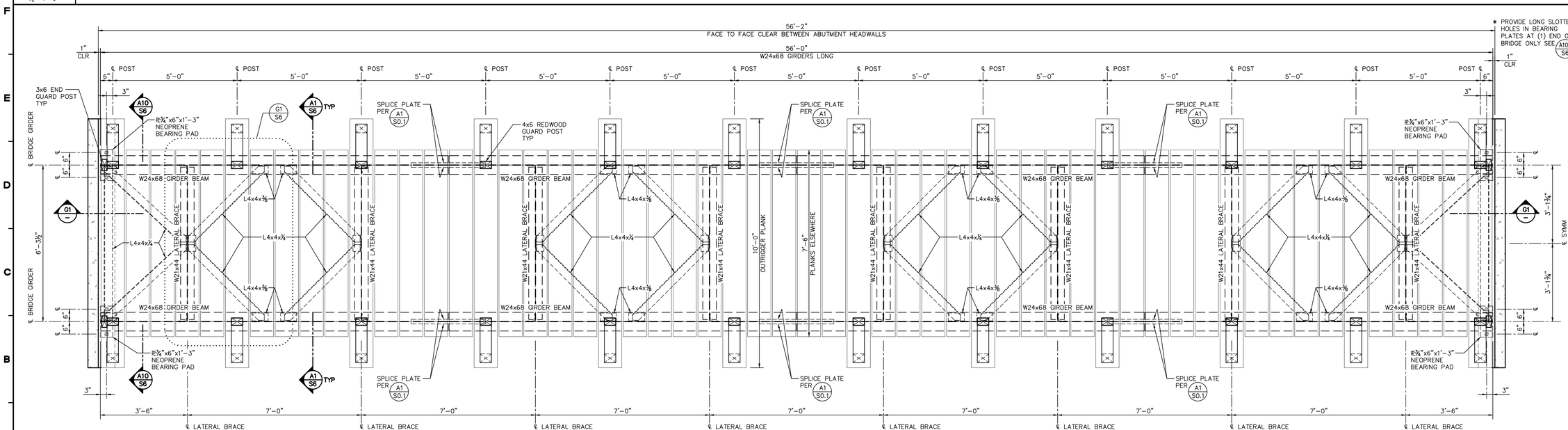
½"=1'-0"



NOTE: OVERALL 4.75" UPWARD CAMBER AT CENTER OF BRIDGE | SEE A1/S0.1 FOR UPWARD CAMBER AT ALTERNATE BRIDGE LENGTHS

G1 BRIDGE LONGITUDINAL SECTION: SPAN 56 FEET

½"=1'-0"



A1 BRIDGE PLAN VIEW: SPAN 56 FEET

½"=1'-0"

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EXPIRATION: 03-31-27

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PEDESTRIAN TRAIL BRIDGES

MARIN COUNTY OPEN SPACE DISTRICT
3501 CIVIC CENTER DRIVE, SUITE 260
SAN RAFAEL, CA 94903

PLOT DATE
1/15/2026 2:47 PM

JOB NUMBER
5275.1.1.25

SCALE
AS NOTED

SHEET NUMBER
S1-56

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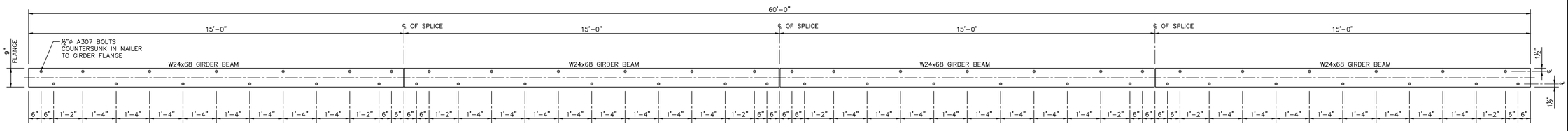
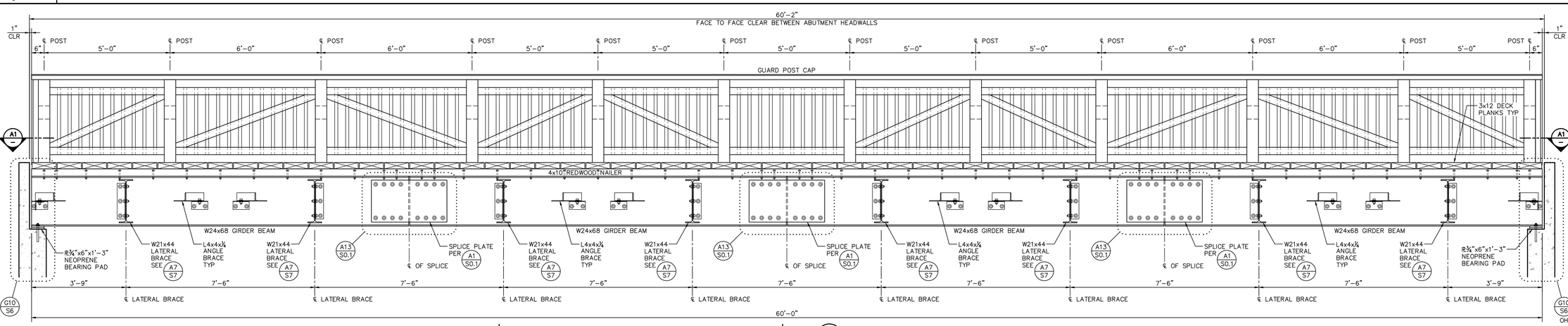


L1 PLAN VIEW OF SPLICED W24 GIRDER WITH LAYOUT OF 4x10 NAILER BOLTS

½"=1'-0"



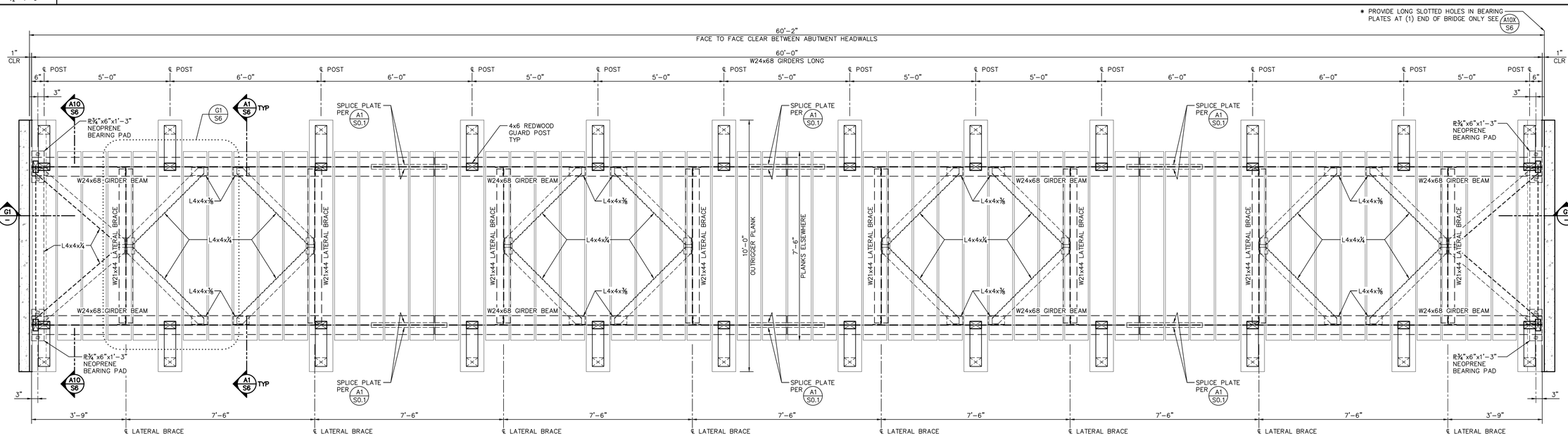
NOTE: OVERALL 5.5" UPWARD CAMBER AT CENTER OF BRIDGE

SEE A1/S0.1 FOR UPWARD CAMBER AT ALTERNATE BRIDGE LENGTHS

G1 BRIDGE LONGITUDINAL SECTION: SPAN 60 FEET

SEE G1/S1-56 FOR RAILING HEIGHT DIMENSIONS AND ANY MISSING NOTES AT ABUTMENTS

½"=1'-0"



A1 BRIDGE PLAN VIEW: SPAN 60 FEET

SEE A1/S1-56 FOR BRIDGE WIDTH DIMENSIONS AND ANY MISSING NOTES AT ABUTMENTS

½"=1'-0"

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REGISTERED PROFESSIONAL ENGINEER JACOB FRANCISCO ELARGIMI C92129 CIVIL STATE OF CALIFORNIA

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PEDESTRIAN TRAIL BRIDGES

MARIN COUNTY OPEN SPACE DISTRICT
3501 CIVIC CENTER DRIVE, SUITE 260
SAN RAFAEL, CA 94903

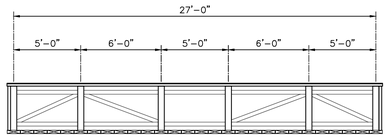
PLOT DATE
1/15/2026 2:47 PM

JOB NUMBER
5275.1.1.25

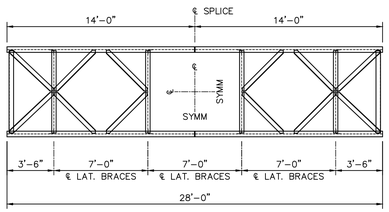
SCALE
AS NOTED

SHEET NUMBER
S1-60 (1)

X:\X\ZWORK45\527525 - BRIDGES -MARIN COUNTY\527525-S1-60



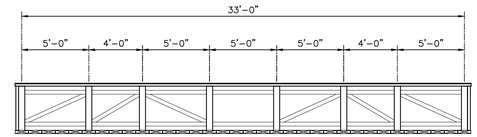
GUARD RAIL ELEVATION



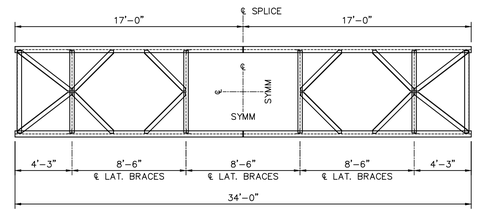
GIRDER & LATERAL BRACING PLAN

J1 BRIDGE LENGTH 28 FEET — SEE TABLE (A1/S0.1) FOR FRAMING SPECIFICATIONS & (A7/S0.1) FOR GUARD RAIL FRAMING

3/16"=1'-0"



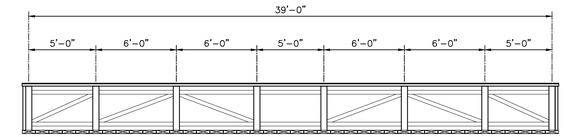
GUARD RAIL ELEVATION



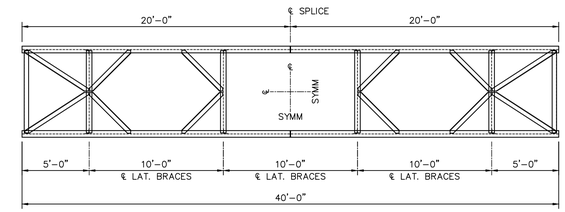
GIRDER & LATERAL BRACING PLAN

J7 BRIDGE LENGTH 34 FEET — SEE TABLE (A1/S0.1) FOR FRAMING SPECIFICATIONS & (A7/S0.1) FOR GUARD RAIL FRAMING

3/16"=1'-0"



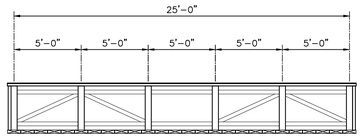
GUARD RAIL ELEVATION



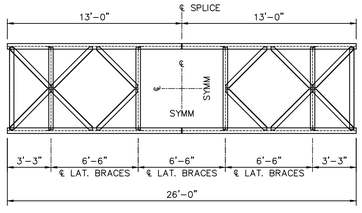
GIRDER & LATERAL BRACING PLAN

J13 BRIDGE LENGTH 40 FEET — SEE TABLE (A1/S0.1) FOR FRAMING SPECIFICATIONS & (A7/S0.1) FOR GUARD RAIL FRAMING

3/16"=1'-0"



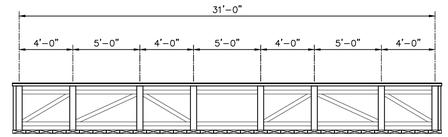
GUARD RAIL ELEVATION



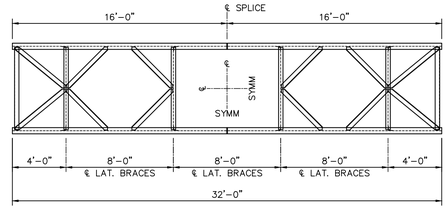
GIRDER & LATERAL BRACING PLAN

E1 BRIDGE LENGTH 26 FEET — SEE TABLE (A1/S0.1) FOR FRAMING SPECIFICATIONS & (A7/S0.1) FOR GUARD RAIL FRAMING

3/16"=1'-0"



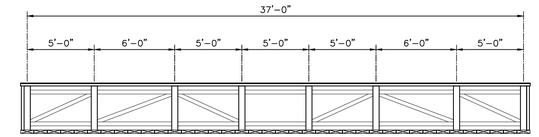
GUARD RAIL ELEVATION



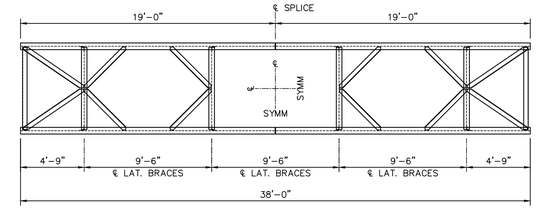
GIRDER & LATERAL BRACING PLAN

E7 BRIDGE LENGTH 32 FEET — SEE TABLE (A1/S0.1) FOR FRAMING SPECIFICATIONS & (A7/S0.1) FOR GUARD RAIL FRAMING

3/16"=1'-0"



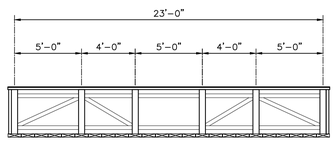
GUARD RAIL ELEVATION



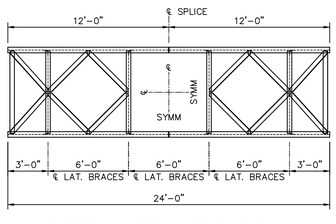
GIRDER & LATERAL BRACING PLAN

E13 BRIDGE LENGTH 38 FEET — SEE TABLE (A1/S0.1) FOR FRAMING SPECIFICATIONS & (A7/S0.1) FOR GUARD RAIL FRAMING

3/16"=1'-0"



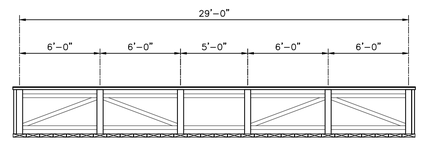
GUARD RAIL ELEVATION



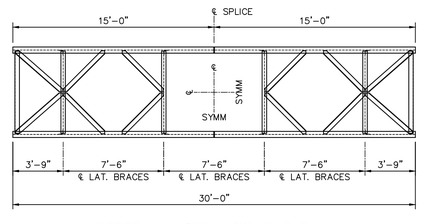
GIRDER & LATERAL BRACING PLAN

A1 BRIDGE LENGTH 24 FEET — SEE TABLE (A1/S0.1) FOR FRAMING SPECIFICATIONS & (A7/S0.1) FOR GUARD RAIL FRAMING

3/16"=1'-0"



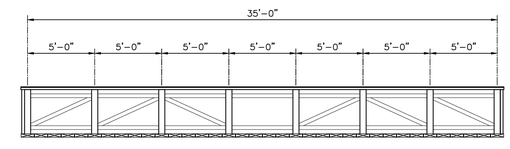
GUARD RAIL ELEVATION



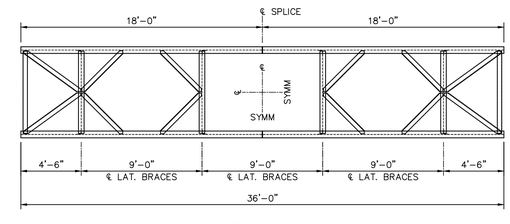
GIRDER & LATERAL BRACING PLAN

A7 BRIDGE LENGTH 30 FEET — SEE TABLE (A1/S0.1) FOR FRAMING SPECIFICATIONS & (A7/S0.1) FOR GUARD RAIL FRAMING

3/16"=1'-0"



GUARD RAIL ELEVATION



GIRDER & LATERAL BRACING PLAN

A13 BRIDGE LENGTH 36 FEET — SEE TABLE (A1/S0.1) FOR FRAMING SPECIFICATIONS & (A7/S0.1) FOR GUARD RAIL FRAMING

3/16"=1'-0"

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REGISTERED PROFESSIONAL ENGINEER — JACOB FRANCISCO GARGIULO — C92139 — CIVIL — STATE OF CALIFORNIA

EXPIRATION: 03-31-27

DATE SIGNED: 12-09-25

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DRAWN BY:	KS
CHECKED BY:	JFG

A	400 SHEET S1-60 TO DWG SET
B	01-15-26
C	
D	
E	
F	
G	12-09-25

PEDESTRIAN TRAIL BRIDGES

MARIN COUNTY OPEN SPACE DISTRICT
3501 CIVIC CENTER DRIVE, SUITE 260
SAN RAFAEL, CA 94903

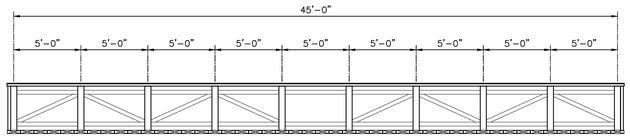
PLOT DATE
1/15/2026 2:47 PM

JOB NUMBER
5275.1.1.25

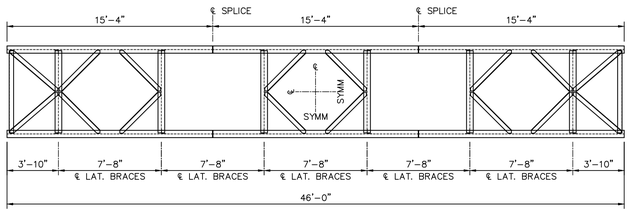
SCALE
AS NOTED

SHEET NUMBER
S2

X:\X\ZWORK45\527525 – BRIDGES –MARIN COUNTY\527525–S2



GUARD RAIL ELEVATION

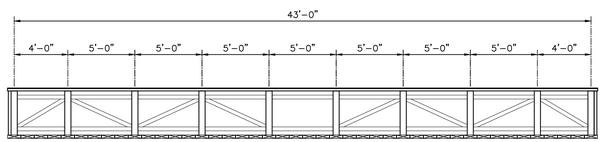


GIRDER & LATERAL BRACING PLAN

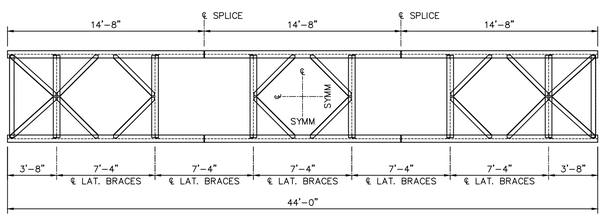
J1 BRIDGE LENGTH 46 FEET

3/16"=1'-0"

SEE TABLE (A1/S0.1) FOR FRAMING SPECIFICATIONS & (A7/S0.1) FOR GUARD RAIL FRAMING



GUARD RAIL ELEVATION

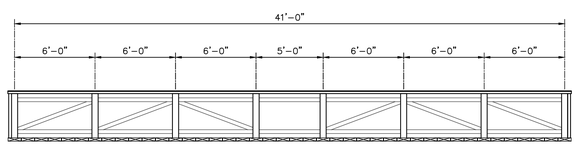


GIRDER & LATERAL BRACING PLAN

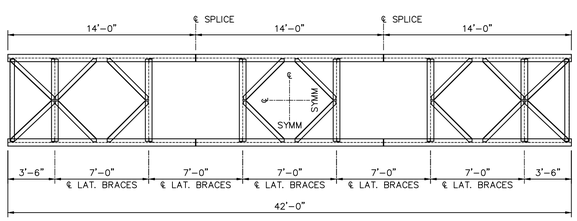
E1 BRIDGE LENGTH 44 FEET

3/16"=1'-0"

SEE TABLE (A1/S0.1) FOR FRAMING SPECIFICATIONS & (A7/S0.1) FOR GUARD RAIL FRAMING



GUARD RAIL ELEVATION

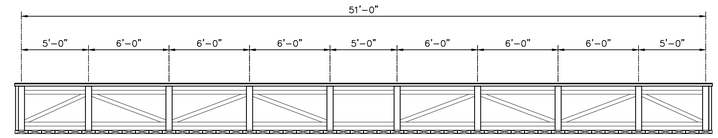


GIRDER & LATERAL BRACING PLAN

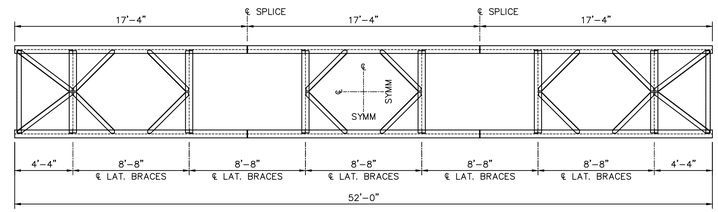
A1 BRIDGE LENGTH 42 FEET

3/16"=1'-0"

SEE TABLE (A1/S0.1) FOR FRAMING SPECIFICATIONS & (A7/S0.1) FOR GUARD RAIL FRAMING



GUARD RAIL ELEVATION

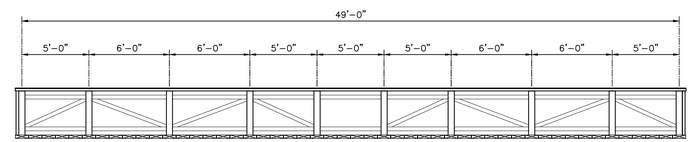


GIRDER & LATERAL BRACING PLAN

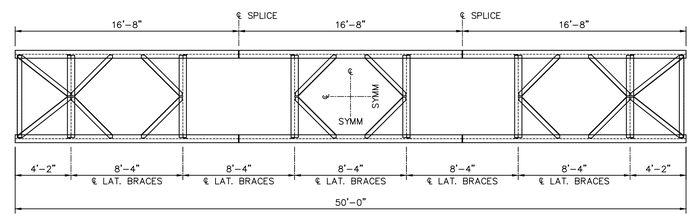
J10 BRIDGE LENGTH 52 FEET

3/16"=1'-0"

SEE TABLE (A1/S0.1) FOR FRAMING SPECIFICATIONS & (A7/S0.1) FOR GUARD RAIL FRAMING



GUARD RAIL ELEVATION

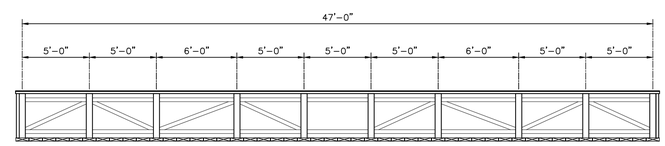


GIRDER & LATERAL BRACING PLAN

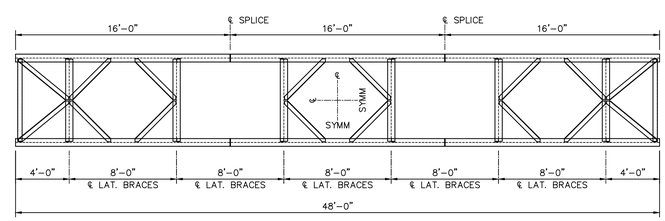
E10 BRIDGE LENGTH 50 FEET

3/16"=1'-0"

SEE TABLE (A1/S0.1) FOR FRAMING SPECIFICATIONS & (A7/S0.1) FOR GUARD RAIL FRAMING



GUARD RAIL ELEVATION



GIRDER & LATERAL BRACING PLAN

A10 BRIDGE LENGTH 48 BRIDGE

3/16"=1'-0"

SEE TABLE (A1/S0.1) FOR FRAMING SPECIFICATIONS & (A7/S0.1) FOR GUARD RAIL FRAMING

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DATE SIGNED: 12-09-25

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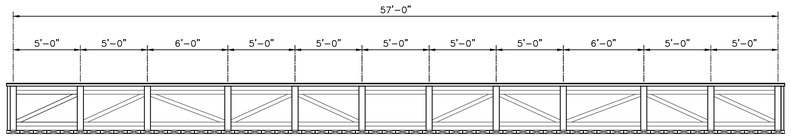
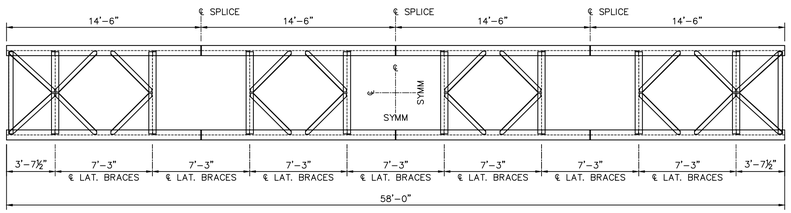


GUARD RAIL ELEVATION



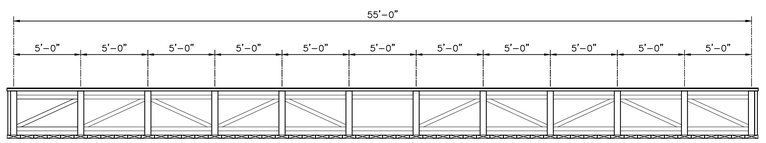
GIRDER & LATERAL BRACING PLAN

J1 BRIDGE LENGTH 58 FEET — SEE TABLE (A1/S0.1) FOR FRAMING SPECIFICATIONS & (A7/S0.1) FOR GUARD RAIL FRAMING

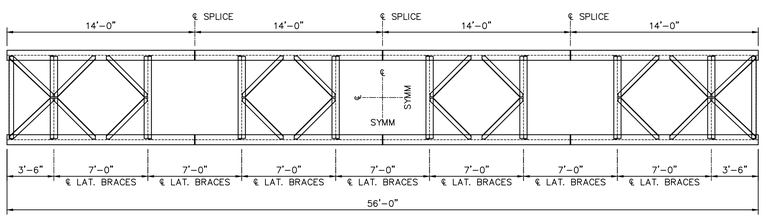
3/16"=1'-0"

J10 (NOT USED)

–



GUARD RAIL ELEVATION



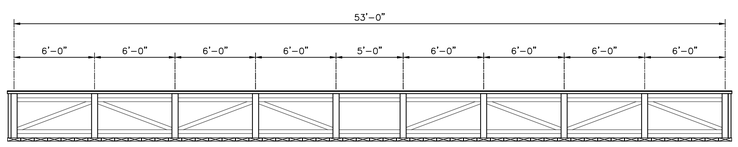
GIRDER & LATERAL BRACING PLAN

E1 BRIDGE LENGTH 56 FEET — SEE TABLE (A1/S0.1) FOR FRAMING SPECIFICATIONS & (A7/S0.1) FOR GUARD RAIL FRAMING

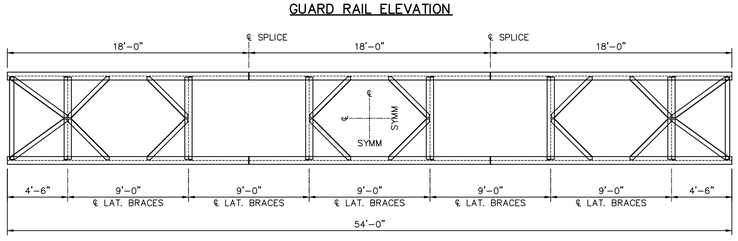
3/16"=1'-0"

E10 (NOT USED)

–



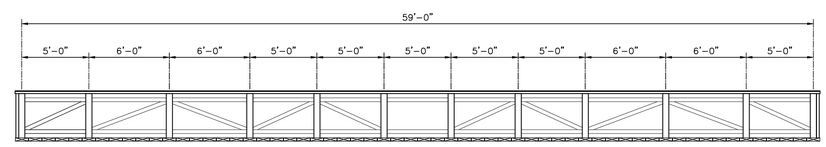
GUARD RAIL ELEVATION



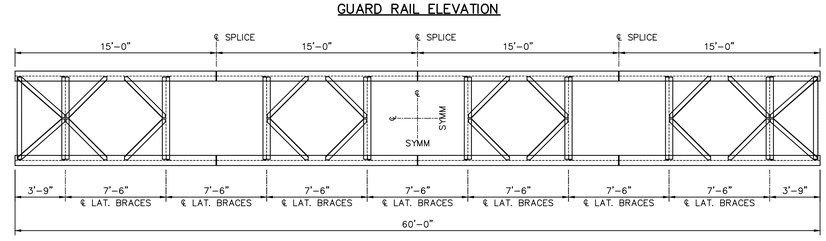
GIRDER & LATERAL BRACING PLAN

A1 BRIDGE LENGTH 54 FEET — SEE TABLE (A1/S0.1) FOR FRAMING SPECIFICATIONS & (A7/S0.1) FOR GUARD RAIL FRAMING

3/16"=1'-0"



GUARD RAIL ELEVATION



GIRDER & LATERAL BRACING PLAN

A10 BRIDGE LENGTH 60 FEET — SEE TABLE (A1/S0.1) FOR FRAMING SPECIFICATIONS & (A7/S0.1) FOR GUARD RAIL FRAMING

3/16"=1'-0"

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REGISTERED PROFESSIONAL ENGINEER — JACOB FRANCISCO FARGHERI — C92139 — CIVIL — STATE OF CALIFORNIA

EXPIRATION: 03-31-27

DATE SIGNED: 12-09-25

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DRAWN BY:	KS
CHECKED BY:	JFG
1 ADD SHEET S1-60 TO DWG SET	01-15-26
2	
3	
4	
5	
6	
7	12-09-25

PEDESTRIAN TRAIL BRIDGES

MARIN COUNTY OPEN SPACE DISTRICT
3501 CIVIC CENTER DRIVE, SUITE 260
SAN RAFAEL, CA 94903

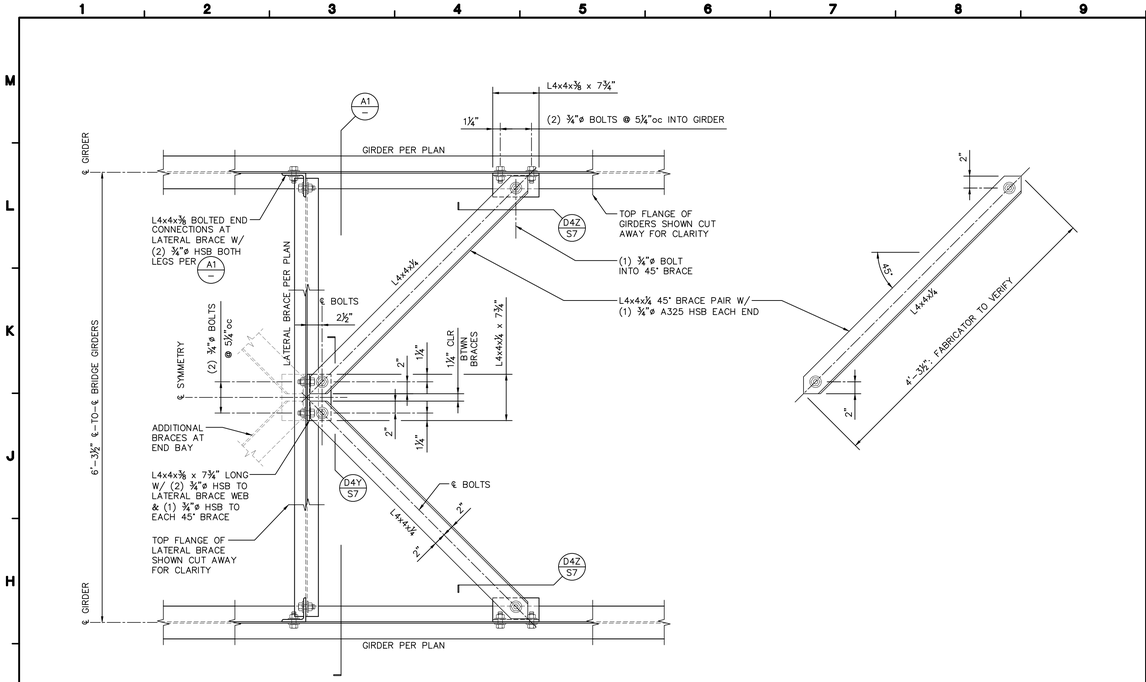
PLOT DATE
1/15/2026 2:47 PM

JOB NUMBER
5275.1.1.25

SCALE
AS NOTED

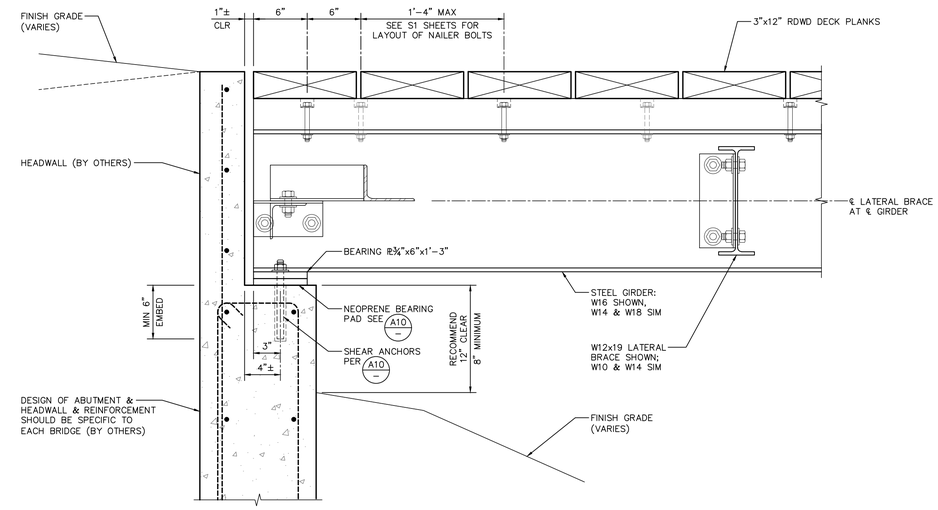
SHEET NUMBER
S4

X:\X\ZWORK45\527525 – BRIDGES –MARIN COUNTY\527525–S4



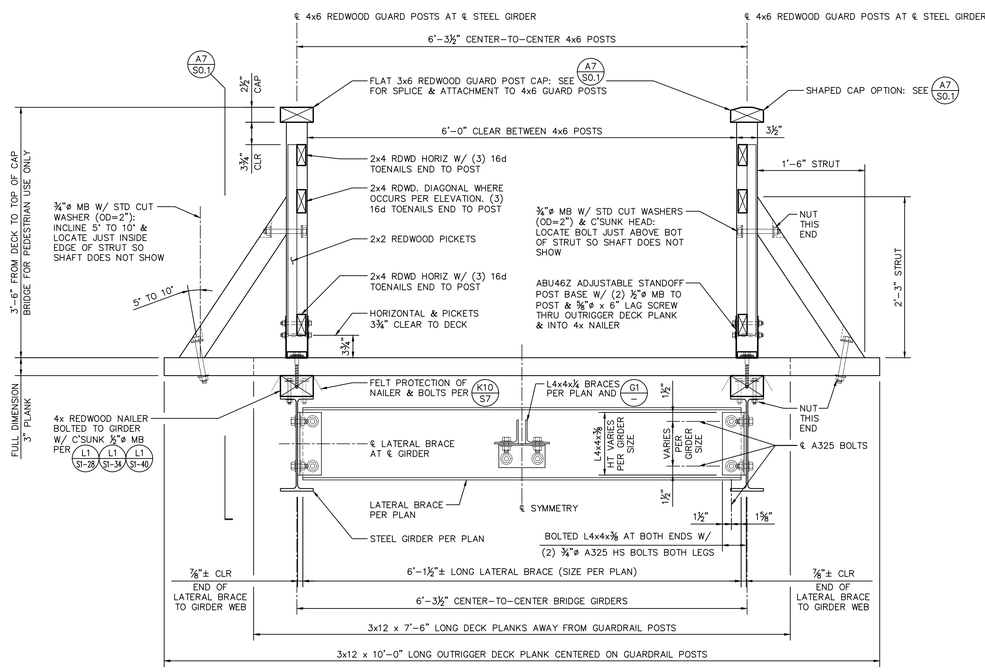
G1 PLAN DETAIL: LATERAL BRACING - FOR W14, W16 AND W18 GIRDERS

1"=1'-0"



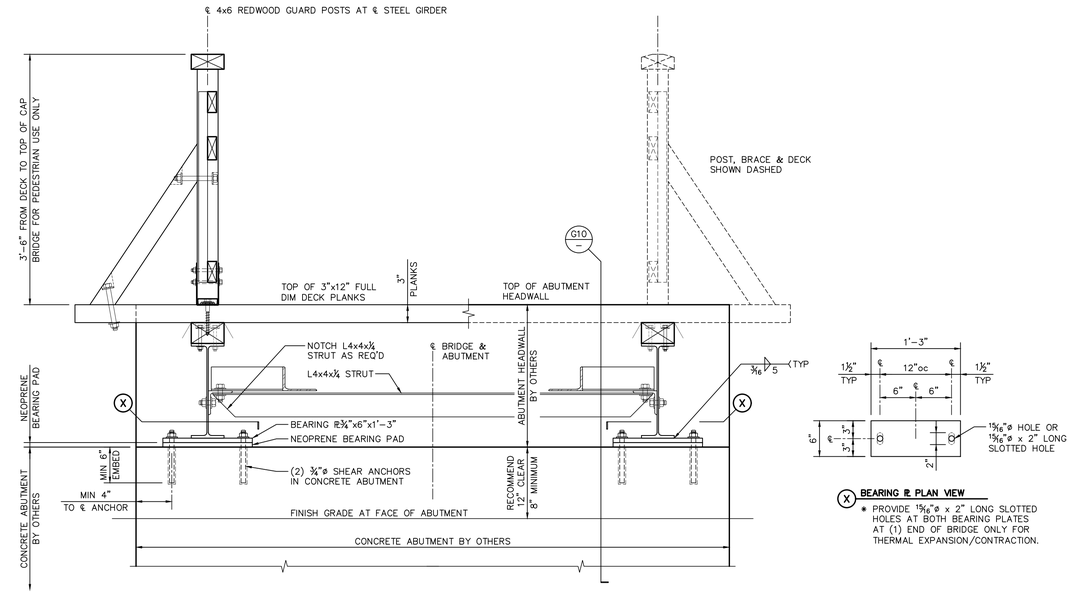
G10 GIRDER BEARING DETAIL - FOR W14, W16 AND W18 GIRDERS

1½"=1'-0"



A1 BRIDGE SECTION - FOR W14, W16 AND W18 GIRDERS

1"=1'-0"



A10 ELEVATION / SECTION FACING ABUTMENT - FOR W14, W16 AND W18 GIRDERS

1"=1'-0"

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(707) 838-1595 FAX #(707) 838-1970

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EXPIRATION: 03-31-27

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CHECKED BY:	JFG
1	ADD SHEET S1-60 TO DWG SET 01-15-26
2	
3	
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5	
6	

PEDESTRIAN TRAIL BRIDGES

MARIN COUNTY OPEN SPACE DISTRICT
3501 CIVIC CENTER DRIVE, SUITE 260
SAN RAFAEL, CA 94903

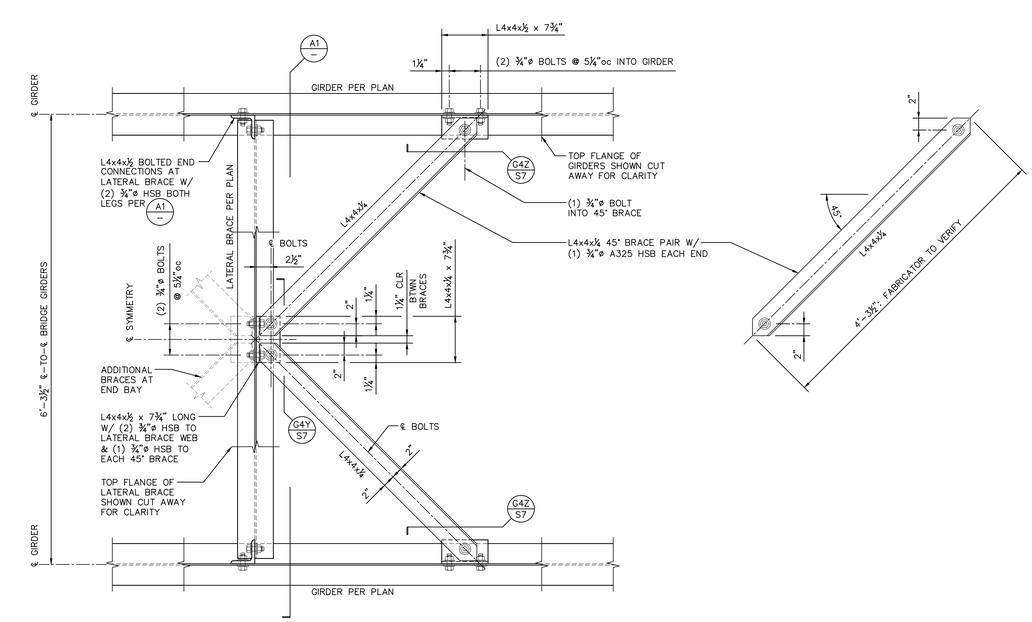
PLOT DATE
1/15/2026 2:47 PM

JOB NUMBER
5275.1.1.25

SCALE
AS NOTED

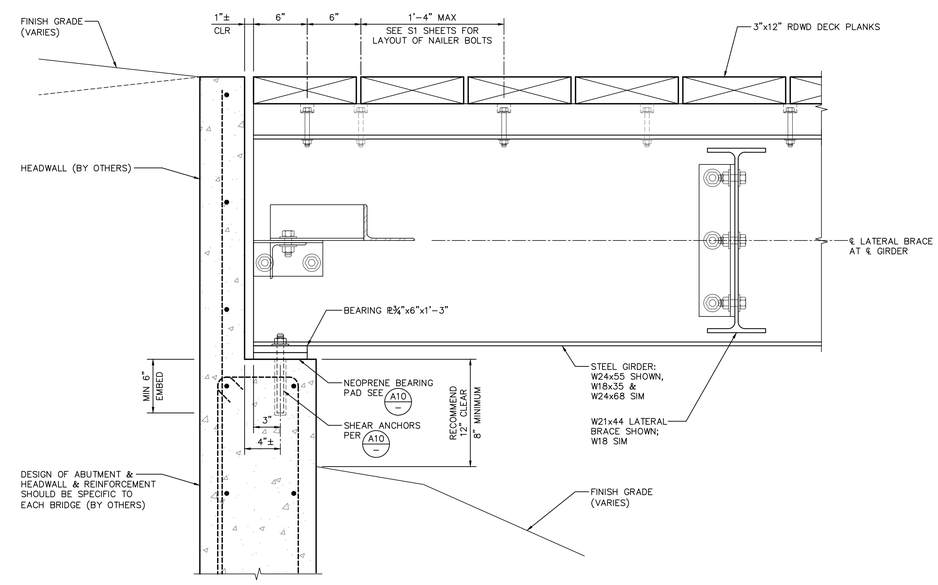
SHEET NUMBER
S5

X:\X\ZWORK45\527525 - BRIDGES -MARIN COUNTY\527525-S5



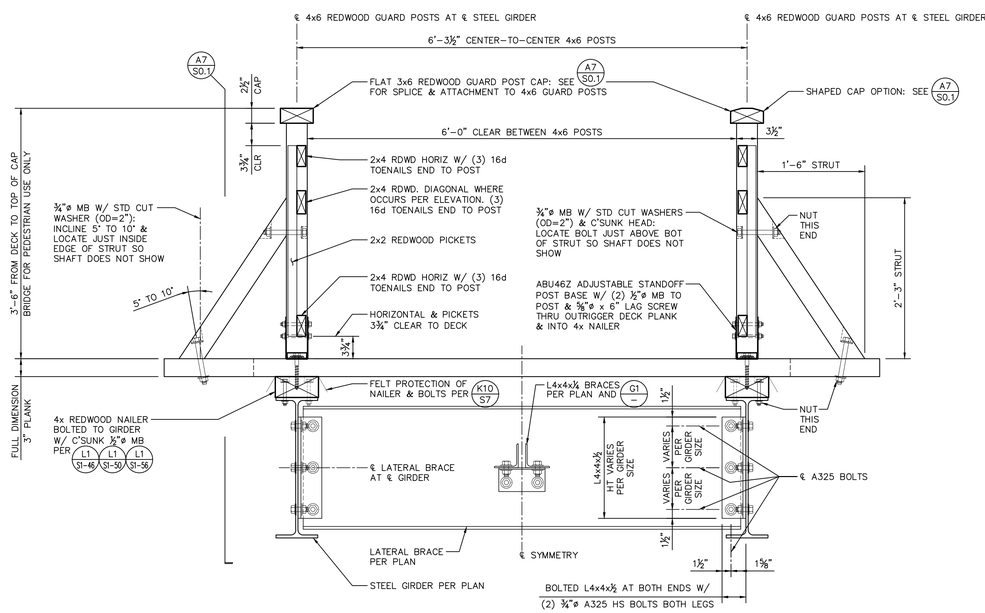
G1 PLAN DETAIL: LATERAL BRACING - FOR W21 AND W24 GIRDERS

1"=1'-0"



G10 GIRDER BEARING DETAIL - FOR W21 AND W24 GIRDERS

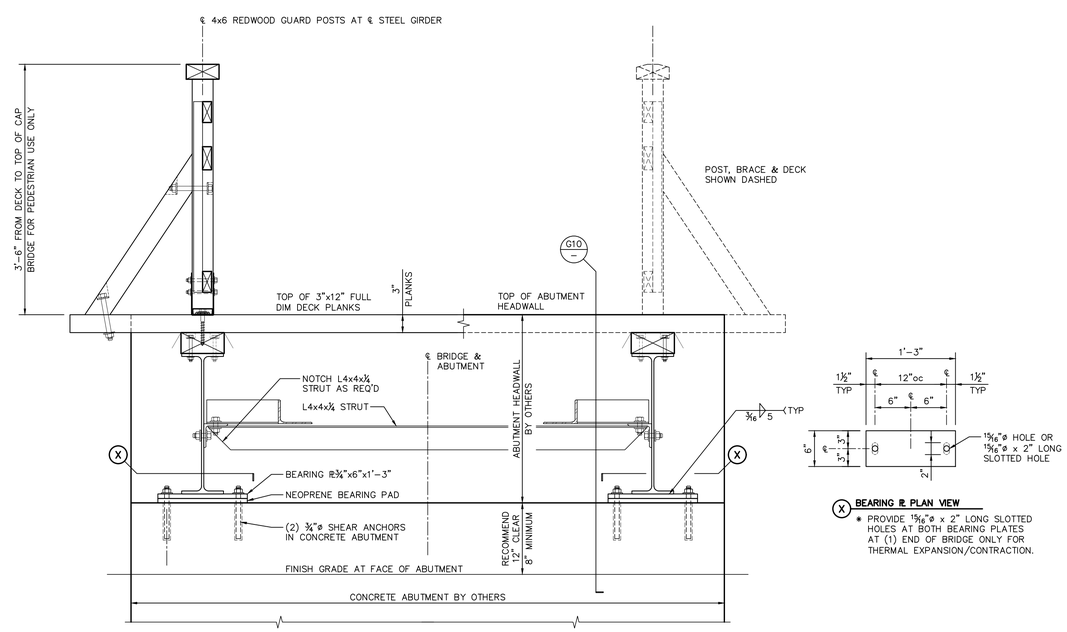
1½"=1'-0"



A1 BRIDGE SECTION - FOR W21 AND W24 GIRDERS

ALSO SEE A1 S5

1"=1'-0"



A10 ELEVATION / SECTION FACING ABUTMENT - FOR W21 AND W24 GIRDERS

ALSO SEE A10 S5

1"=1'-0"

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PEDESTRIAN TRAIL BRIDGES

MARIN COUNTY OPEN SPACE DISTRICT
3501 CIVIC CENTER DRIVE, SUITE 260
SAN RAFAEL, CA 94903

PLOT DATE
1/15/2026 2:47 PM

JOB NUMBER
5275.1.1.25

SCALE
AS NOTED

SHEET NUMBER
S6

X:\X\ZWORK45\527525 - BRIDGES -MARIN COUNTY\527525-S6

K1 (NOT USED)

–

K4 (NOT USED)

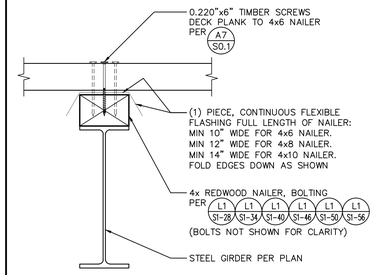
–

K7 (NOT USED)

–

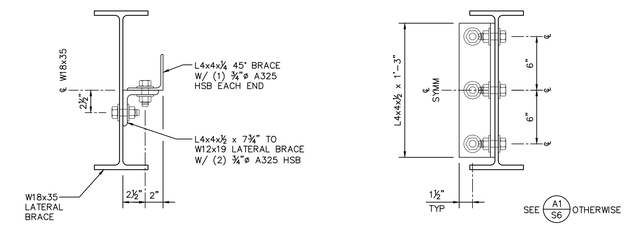
K10 NAILER PROTECTION

1½"=1'-0"



K13 W18x35 LATERAL BRACES AT W21 BRIDGE GIRDERS

1½"=1'-0"



W18x35 SECTION AT ℄ DIAGONALS ATTACHMENT

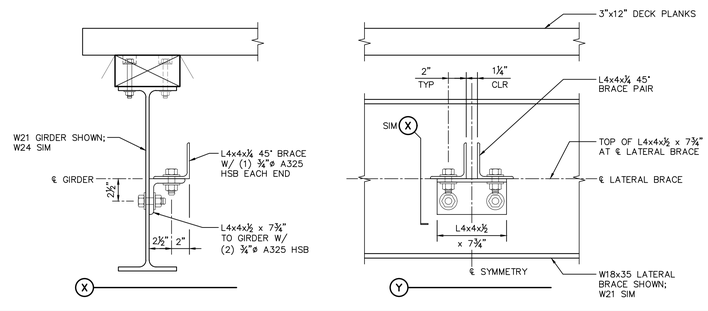
W18x35 LATERAL BRACE SECTION AT END L4x4's

G1 (NOT USED)

–

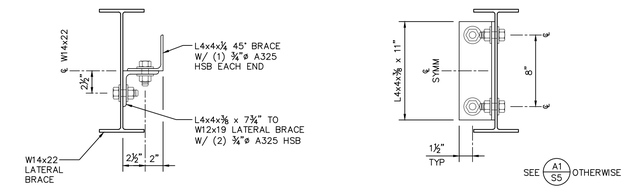
G4 L4x4x1/4 DIAGONAL BRACING DETAILS - FOR W21 AND W24 GIRDERS

1½"=1'-0"



G13 W14x22 LATERAL BRACES AT W18 BRIDGE GIRDERS

1½"=1'-0"



W14x22 SECTION AT ℄ DIAGONALS ATTACHMENT

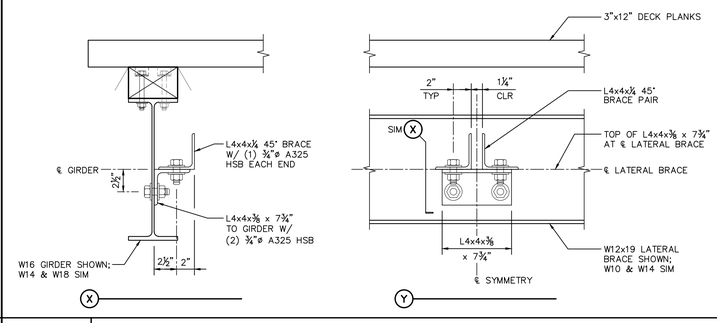
W14x22 LATERAL BRACE SECTION AT END L4x4's

D1 (NOT USED)

–

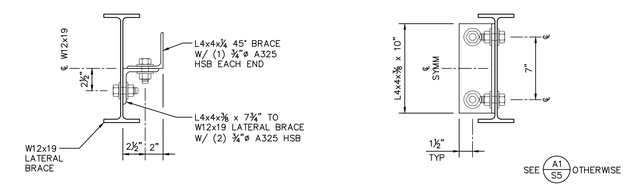
D4 L4x4x1/4 DIAGONAL BRACING DETAILS - FOR W14, W16 AND W18 GIRDERS

1½"=1'-0"



D13 W12x19 LATERAL BRACES AT W16 BRIDGE GIRDERS

1½"=1'-0"



W12x19 SECTION AT ℄ DIAGONALS ATTACHMENT

W12x19 LATERAL BRACE SECTION AT END L4x4's

A1 (NOT USED)

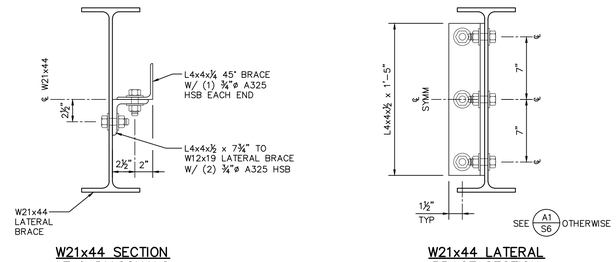
–

A4 (NOT USED)

–

A7 W21x44 LATERAL BRACES AT W24 BRIDGE GIRDERS

1½"=1'-0"

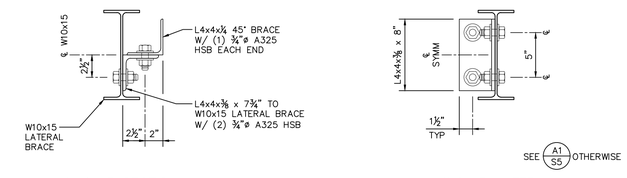


W21x44 SECTION AT ℄ DIAGONALS ATTACHMENT

W21x44 LATERAL BRACE SECTION AT END L4x4's

A13 W10x15 LATERAL BRACES AT W14 BRIDGE GIRDERS

1½"=1'-0"



W10x15 SECTION AT ℄ DIAGONALS ATTACHMENT

W10x15 LATERAL BRACE SECTION AT END L4x4's

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PEDESTRIAN TRAIL BRIDGES

MARIN COUNTY OPEN SPACE DISTRICT
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JOB NUMBER
5275.1.1.25

SCALE
AS NOTED

SHEET NUMBER
S7

X:\X\ZWORK45\527525 – BRIDGES –MARIN COUNTY\527525–S7