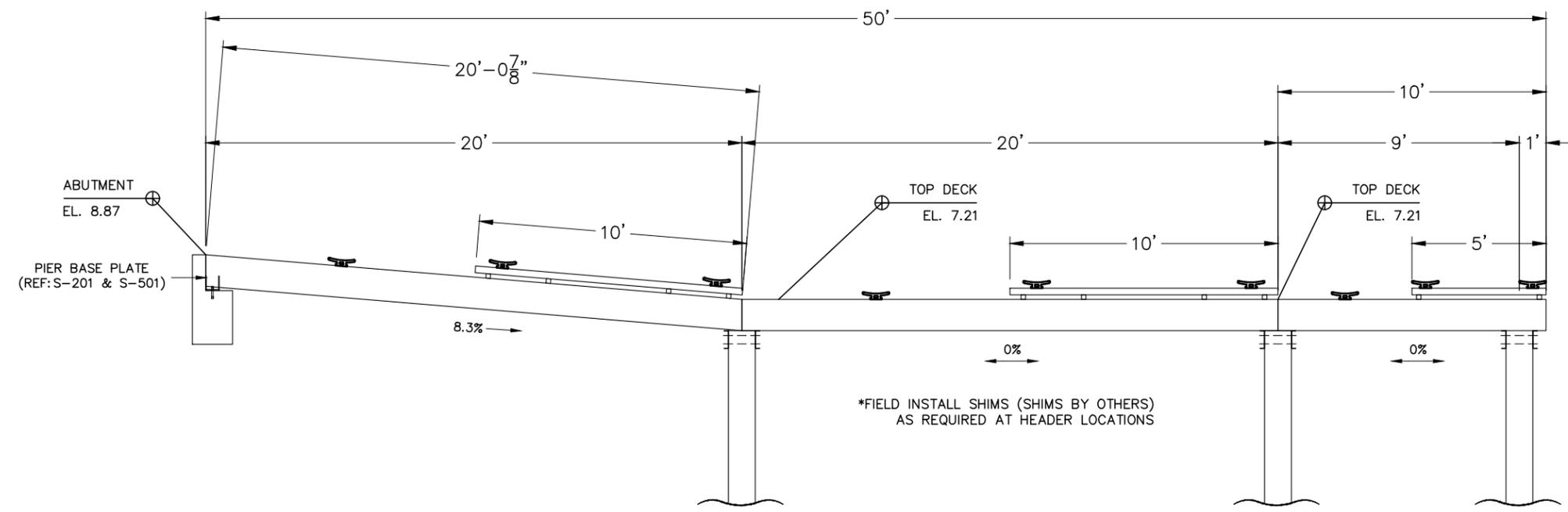


**FIXED PIER PLAN**  
SCALE: 3/16" = 1'-0"



**FIXED PIER ELEVATION**  
SCALE: 3/16" = 1'-0"

**NOTES:**

1. ALL STRUCTURAL ALUMINUM IS ALLOY 6061-T6, MILL FINISH.
2. ALL JOINTS ARE FULLY WELDED UNLESS NOTED OTHERWISE. FILLER METAL TO BE 5356 SERIES WIRE.
3. ALL HARDWARE IS STAINLESS STEEL, SERIES 304. USE PERMATEx ANTI-SEIZE LUBRICANT OR EQUAL.
4. ALL WOOD FENDERS TO BE S.Y.P. #1 PRESSURE TREATED TO 0.40 PCF ACQ MINIMUM OR EQUAL. ISOLATE WOOD FROM ALUMINUM WITH BITUMINOUS PAINT, CARBOLINE BIT 50 OR EQUAL.
5. FIXED PIERS DESIGNED FOR 40 PSF LIVE LOAD, L/180 DEFLECTION.
6. PILE LOCATIONS ARE SUGGESTED FOR COMPATIBILITY WITH PIER LAYOUT ONLY. PILE TYPE, SIZE, QTY, AND DESIGN BY OTHERS.
7. PIER DIMENSIONS SHOWN ARE NOMINAL FROM ALUMINUM TO ALUMINUM FRAME. FINAL FINISHED DIMENSIONS WILL VARY ACCORDING TO INSTALLED FENDERS & BUMPERS.
8. HEADER CHANNELS ARE A FOOT WIDER THAN THE PLAN LENGTH AND SHALL BE CUT IN THE FIELD (BY OTHERS).

**RECORD OF REVISIONS**

No.	DATE	DESCRIPTION:
	5/11/20	CONCEPTUAL
1	5/27/20	REVISED CONCEPTUAL
2		

PROJECT NAME:

**GARRISON'S LAKE**

CUSTOMER NAME:

**DELAWARE DNREC**

CUSTOMER ADDRESS:

89 KINGS HIGHWAY  
DOVER, DE 19901

PROJECT LOCATION:

LITTLE CREEK HUNDRED,  
KENT COUNTY, DELAWARE

CMI ORDER NO.:

—

CUST. PO NO.:

—

	NAME	DATE
DRAWN BY:	JS	5/11/20
CHECKED BY:	JF	5/11/20

DRAWING NO.:

**S-101**  
**OVERALL PLAN**

SHEET: 1 of 6

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CONCEPTUAL

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RECORD OF REVISIONS

No.	DATE	DESCRIPTION:
	5/11/20	CONCEPTUAL
1	5/27/20	REVISED CONCEPTUAL
2		

PROJECT NAME:

**GARRISON'S LAKE**

CUSTOMER NAME:

**DELAWARE DNREC**

CUSTOMER ADDRESS:

89 KINGS HIGHWAY  
DOVER, DE 19901

PROJECT LOCATION:

LITTLE CREEK HUNDRED,  
KENT COUNTY, DELAWARE

CMI ORDER NO.:

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CUST. PO NO.:

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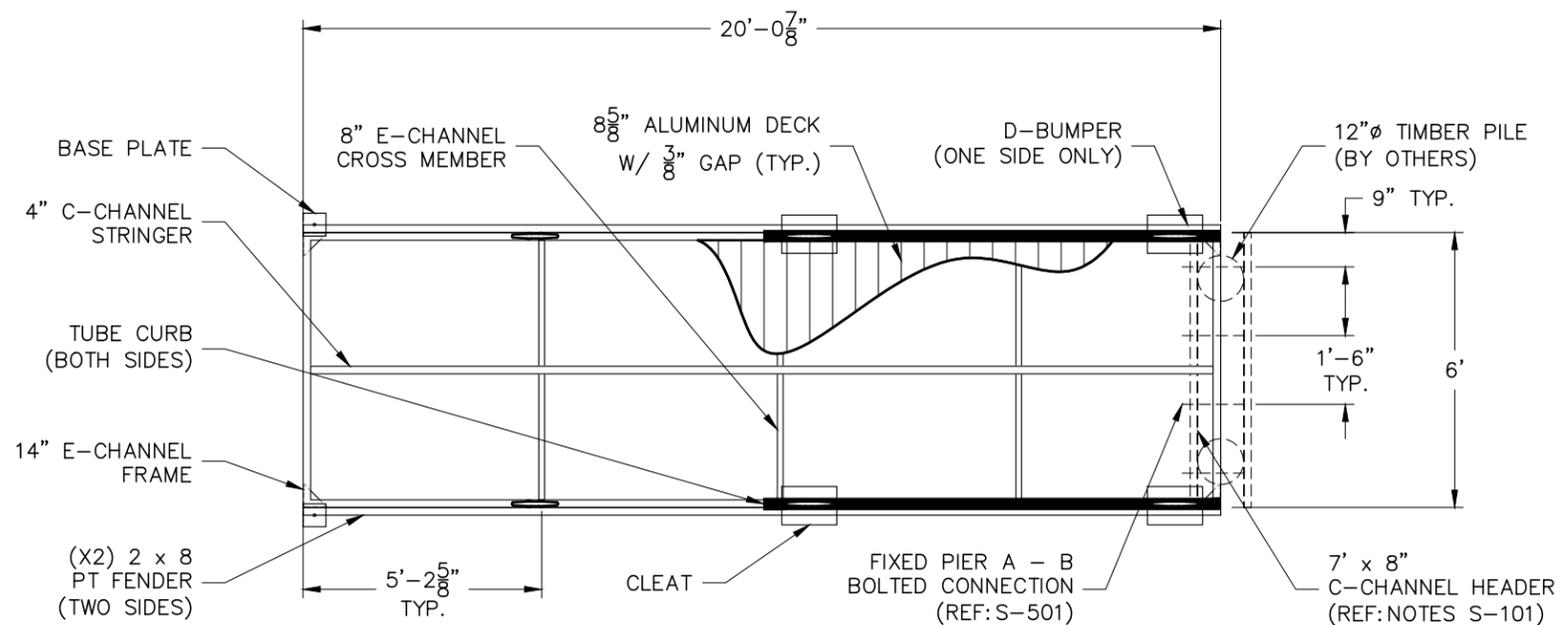
	NAME	DATE
DRAWN BY:	JS	5/11/20
CHECKED BY:	JF	5/11/20

DRAWING NO.:

**S-201**  
**FIXED PIER A**

SHEET: 2 of 6

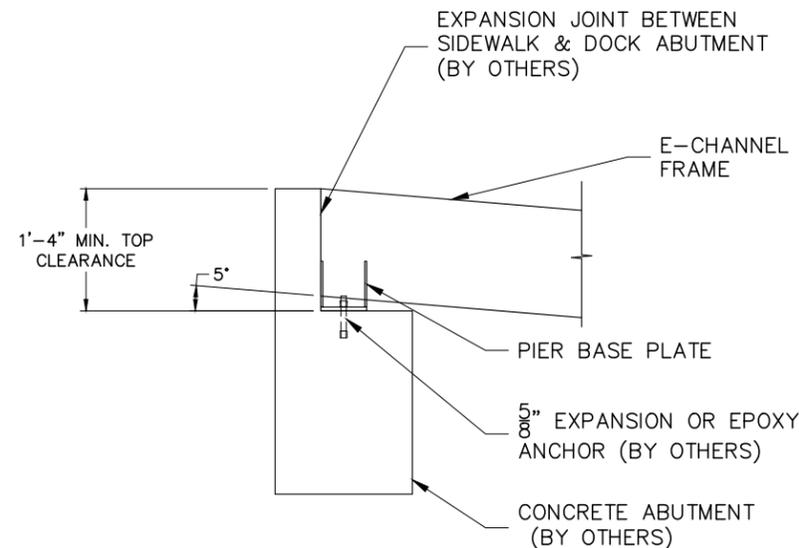
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**FIXED PIER A PLAN**

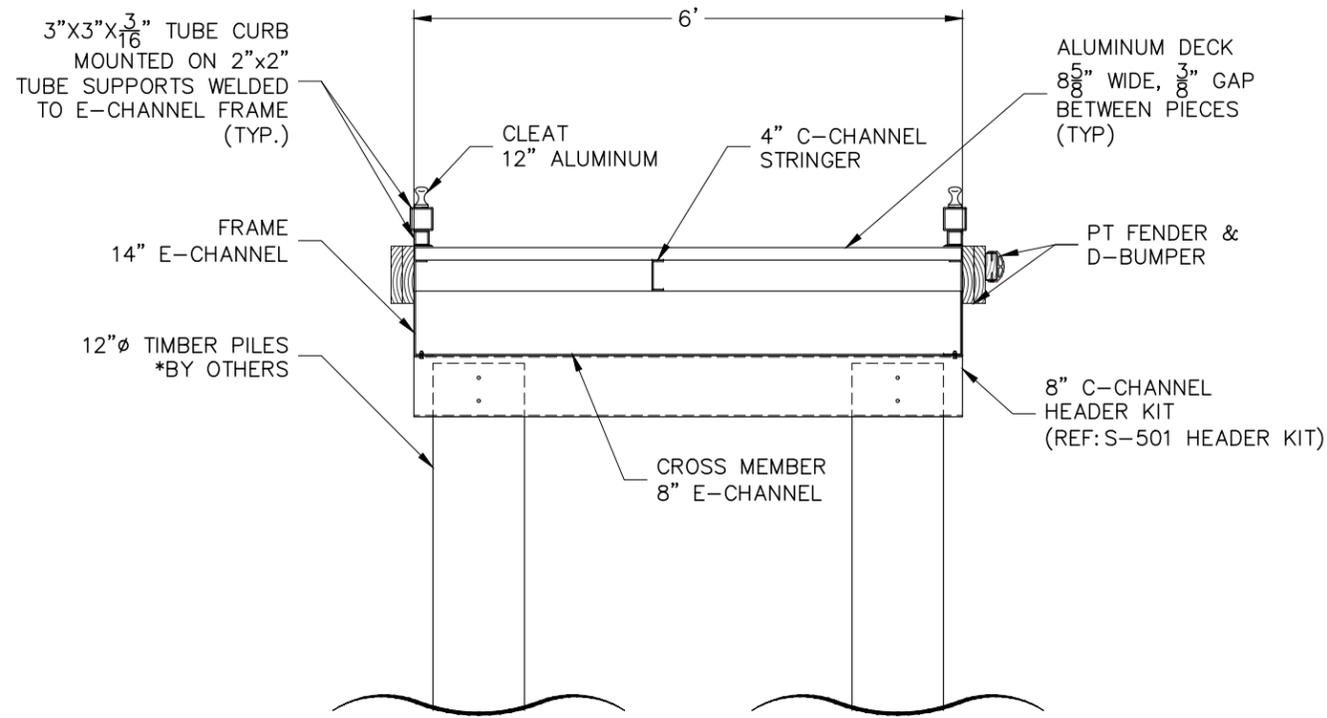
SCALE: 1/4" = 1'-0"

APPROX. WEIGHT = 900 lbs



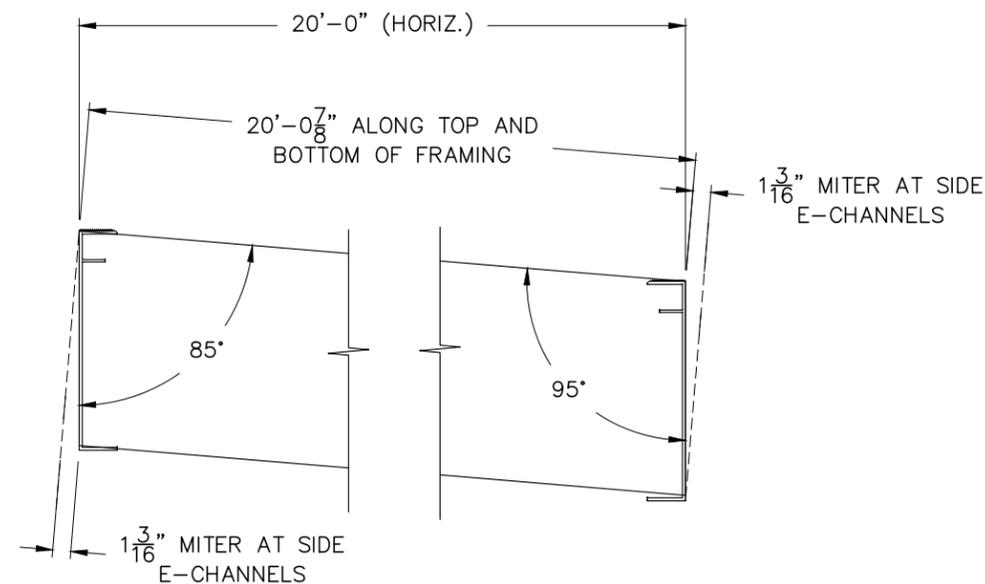
**FIXED PIER A BASE PLATE CONNECTION**

1/2" = 1'-0"



**FIXED PIER A SECTION**

1/2" = 1'-0"



**FIXED PIER A SIDE CHANNEL DETAIL**

1/2" = 1'-0"

CONCEPTUAL

RECORD OF REVISIONS

No.	DATE	DESCRIPTION:
	5/11/20	CONCEPTUAL
1	5/27/20	REVISED CONCEPTUAL
2		

PROJECT NAME:

**GARRISON'S LAKE**

CUSTOMER NAME:

**DELAWARE DNREC**

CUSTOMER ADDRESS:

89 KINGS HIGHWAY  
DOVER, DE 19901

PROJECT LOCATION:

LITTLE CREEK HUNDRED,  
KENT COUNTY, DELAWARE

CM I ORDER NO.:

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CUST. PO NO.:

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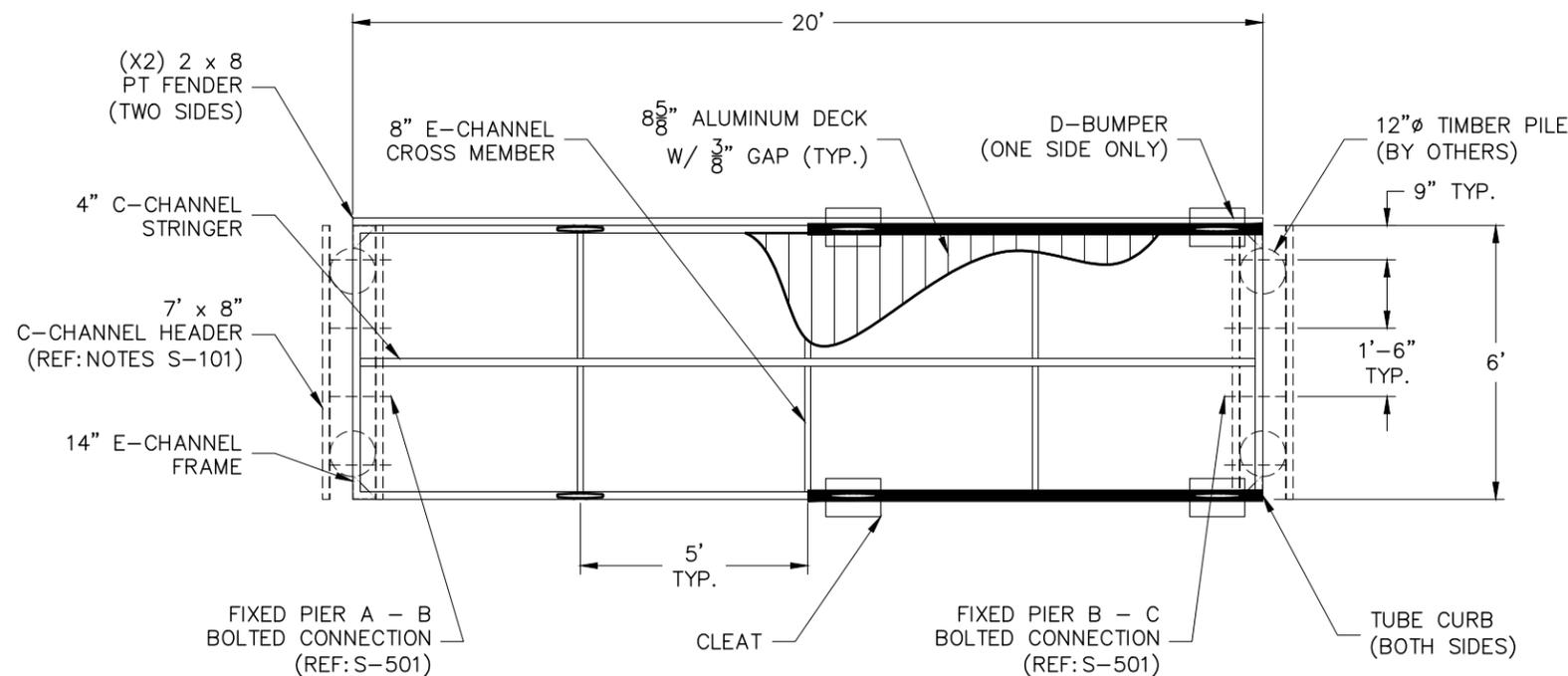
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DRAWN BY:	JS	5/11/20
CHECKED BY:	JF	5/11/20

DRAWING NO.:

**S-202**  
**FIXED PIER B**

SHEET: 3 of 6

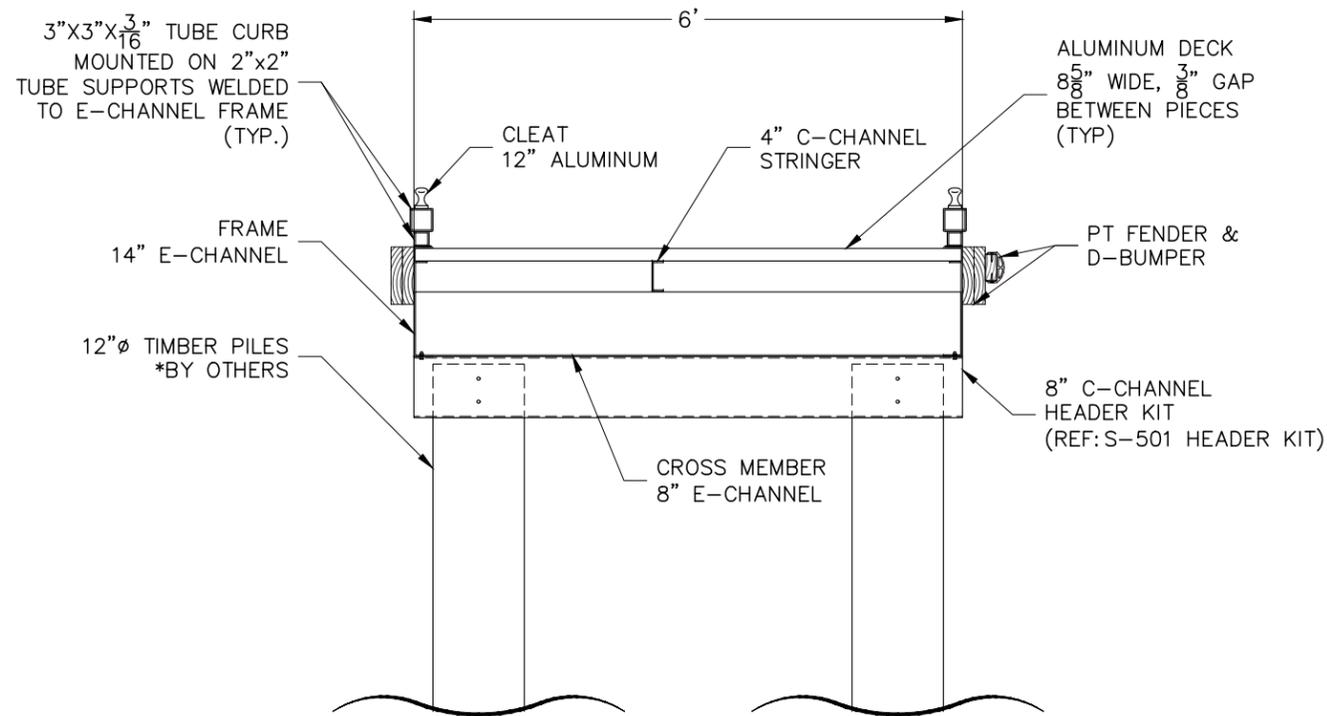
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**FIXED PIER B PLAN**

SCALE: 1/4" = 1'-0"

APPROX. WEIGHT = 900 lbs



**FIXED PIER B SECTION**

1/2" = 1'-0"

CONCEPTUAL

RECORD OF REVISIONS

No.	DATE	DESCRIPTION:
	5/11/20	CONCEPTUAL
1	5/27/20	REVISED CONCEPTUAL
2		

PROJECT NAME:

**GARRISON'S LAKE**

CUSTOMER NAME:

**DELAWARE DNREC**

CUSTOMER ADDRESS:

89 KINGS HIGHWAY  
DOVER, DE 19901

PROJECT LOCATION:

LITTLE CREEK HUNDRED,  
KENT COUNTY, DELAWARE

CMI ORDER NO.:

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CUST. PO NO.:

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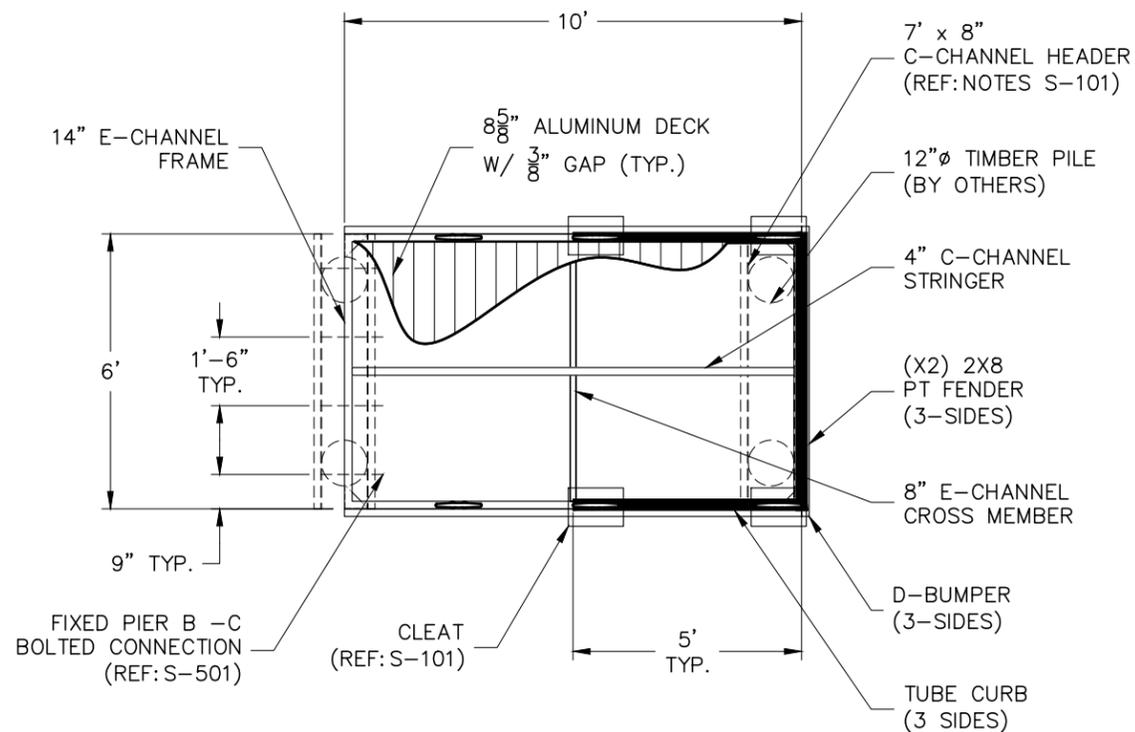
	NAME	DATE
DRAWN BY:	JS	5/11/20
CHECKED BY:	JF	5/11/20

DRAWING NO.:

**S-203**  
**FIXED PIER C**

SHEET: 4 of 6

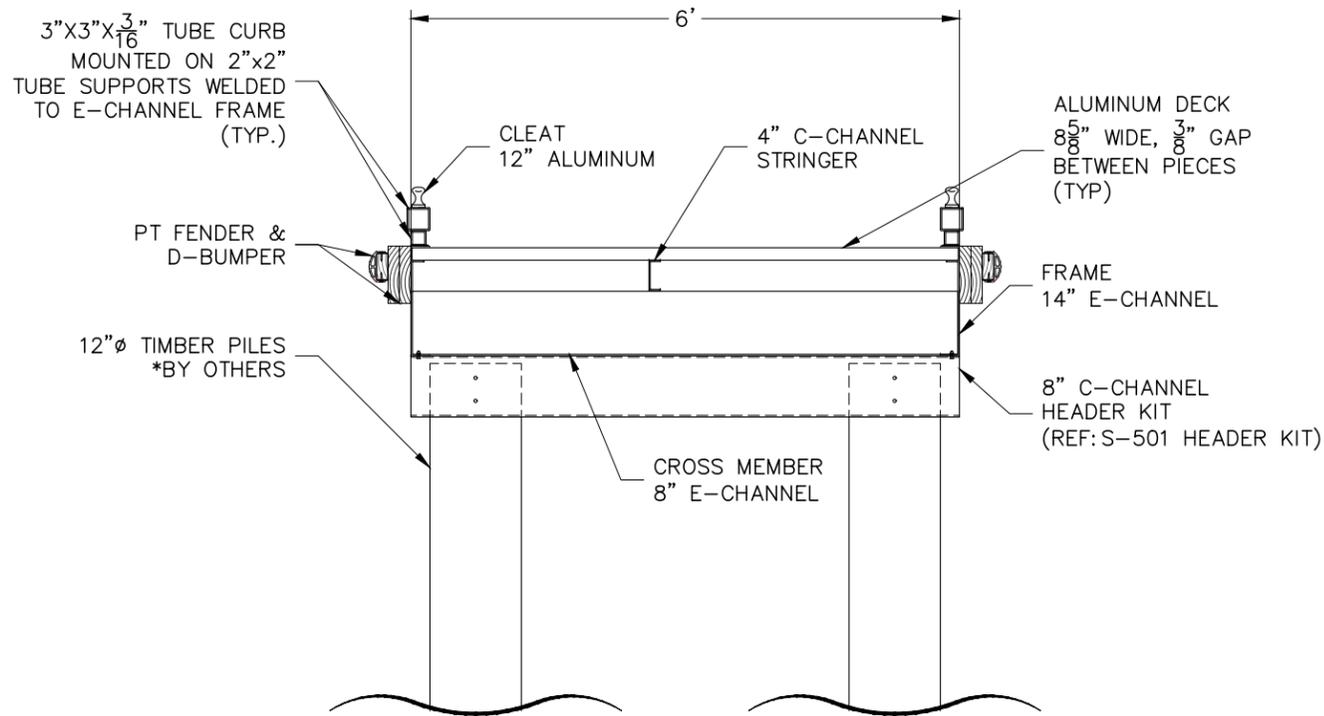
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**FIXED PIER C PLAN**

SCALE: 1/4" = 1'-0"

APPROX. WEIGHT = 500 lbs



**FIXED PIER C SECTION**

1/2" = 1'-0"

CONCEPTUAL

RECORD OF REVISIONS

No.	DATE	DESCRIPTION:
	5/11/20	CONCEPTUAL
1	5/27/20	REVISED CONCEPTUAL
2		

PROJECT NAME:

**GARRISON'S LAKE**

CUSTOMER NAME:

**DELAWARE DNREC**

CUSTOMER ADDRESS:

89 KINGS HIGHWAY  
DOVER, DE 19901

PROJECT LOCATION:

LITTLE CREEK HUNDRED,  
KENT COUNTY, DELAWARE

CM I ORDER NO.:

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CUST. PO NO.:

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	NAME	DATE
DRAWN BY:	JS	5/11/20
CHECKED BY:	JF	5/11/20

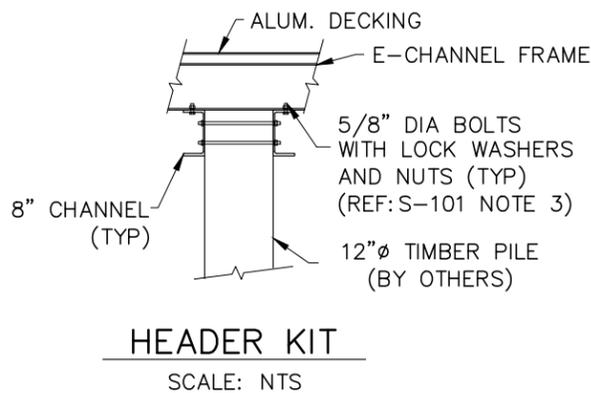
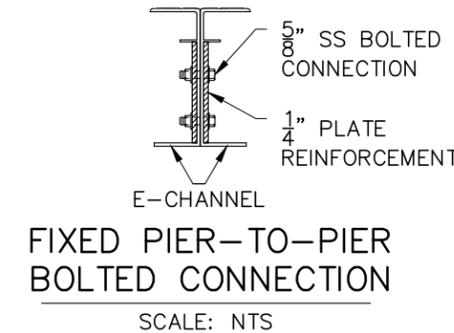
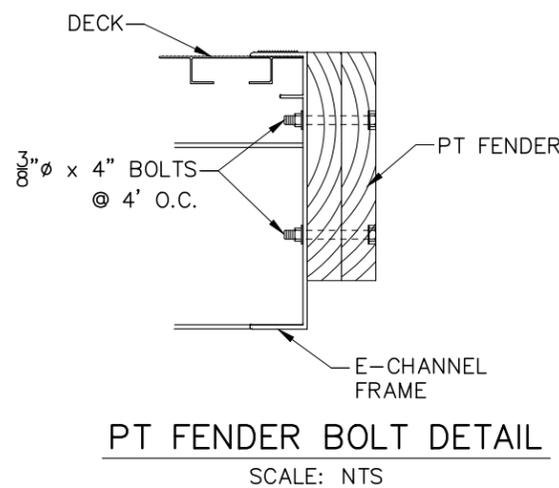
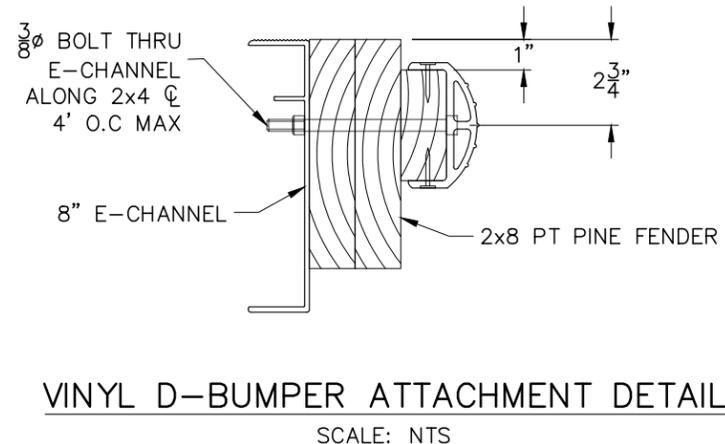
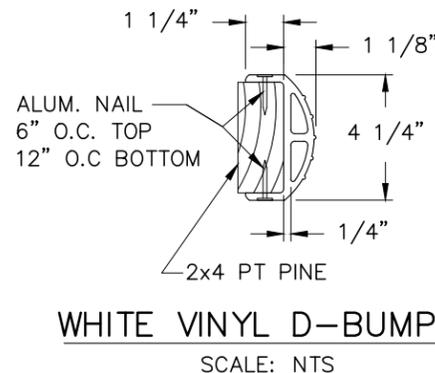
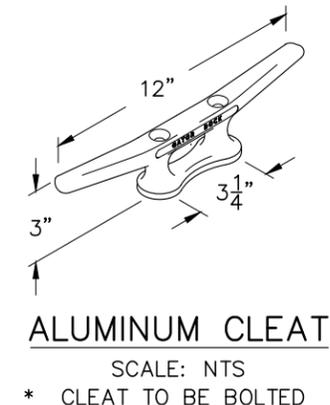
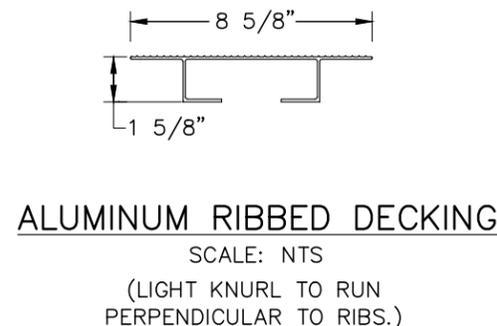
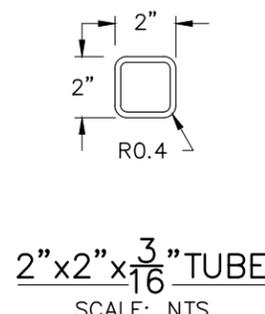
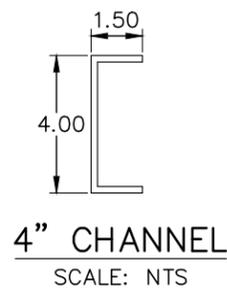
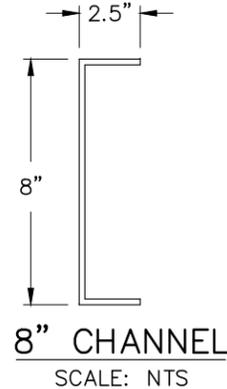
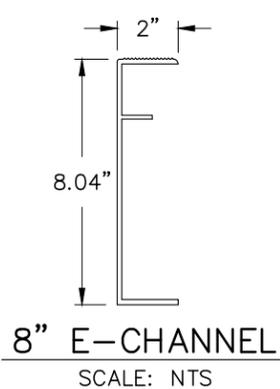
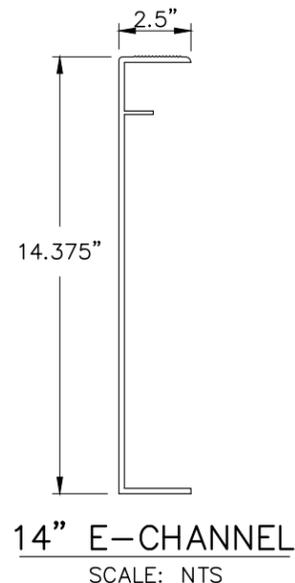
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**S-501**

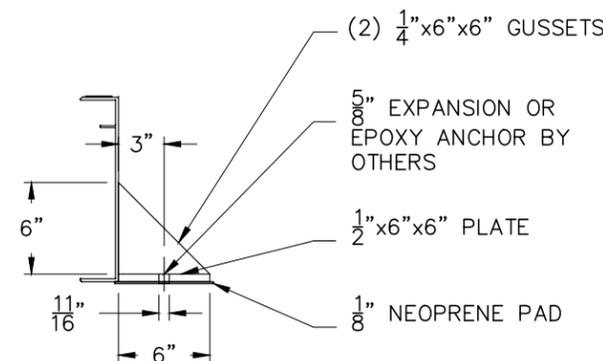
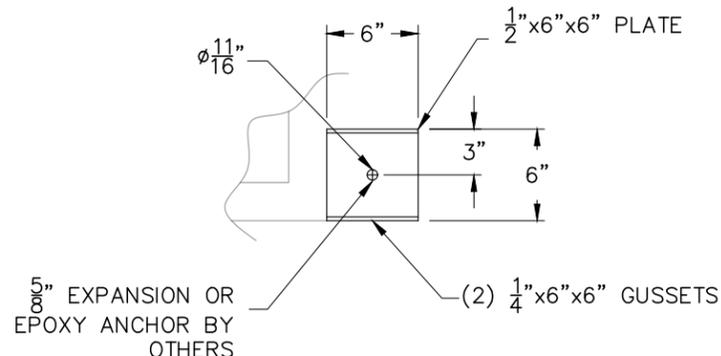
COMPONENT DETAIL

SHEET: 5 of 6

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ALUMINUM CHANNELS COATED WITH ISOLATING MATERIAL  
- BITUMINOUS TAPE OR PAINT BY OTHERS.  
- FIELD DRILL HOLES FOR HARDWARE BY OTHERS.



CONCEPTUAL

RECORD OF REVISIONS

No.	DATE	DESCRIPTION:
	5/11/20	CONCEPTUAL
1	5/27/20	REVISED CONCEPTUAL
2		

PROJECT NAME:

**GARRISON'S LAKE**

CUSTOMER NAME:

**DELAWARE DNREC**

CUSTOMER ADDRESS:

89 KINGS HIGHWAY  
DOVER, DE 19901

PROJECT LOCATION:

LITTLE CREEK HUNDRED,  
KENT COUNTY, DELAWARE

CMI ORDER NO.:

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CUST. PO NO.:

—

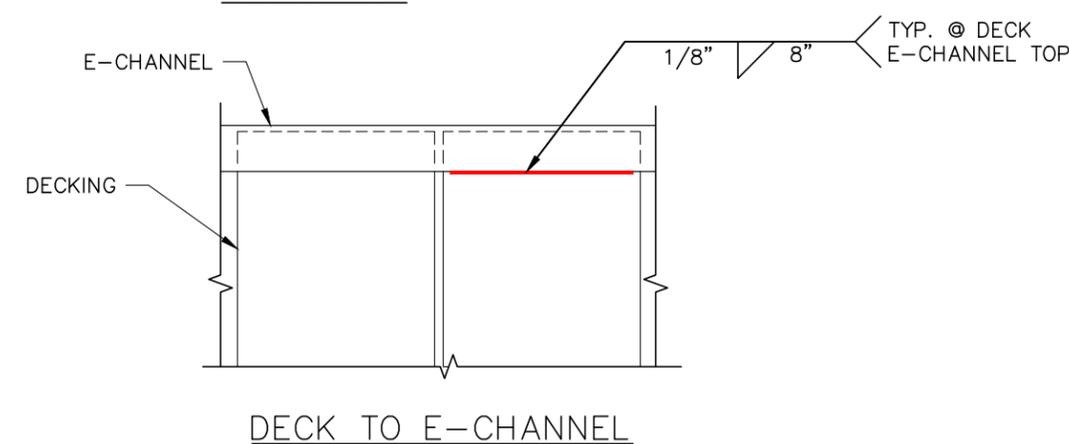
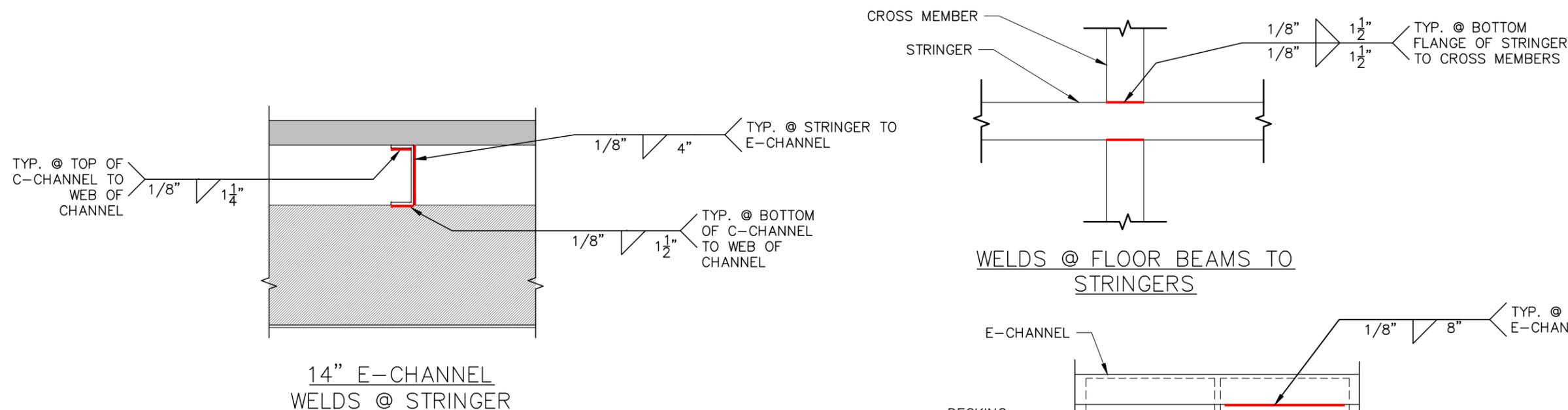
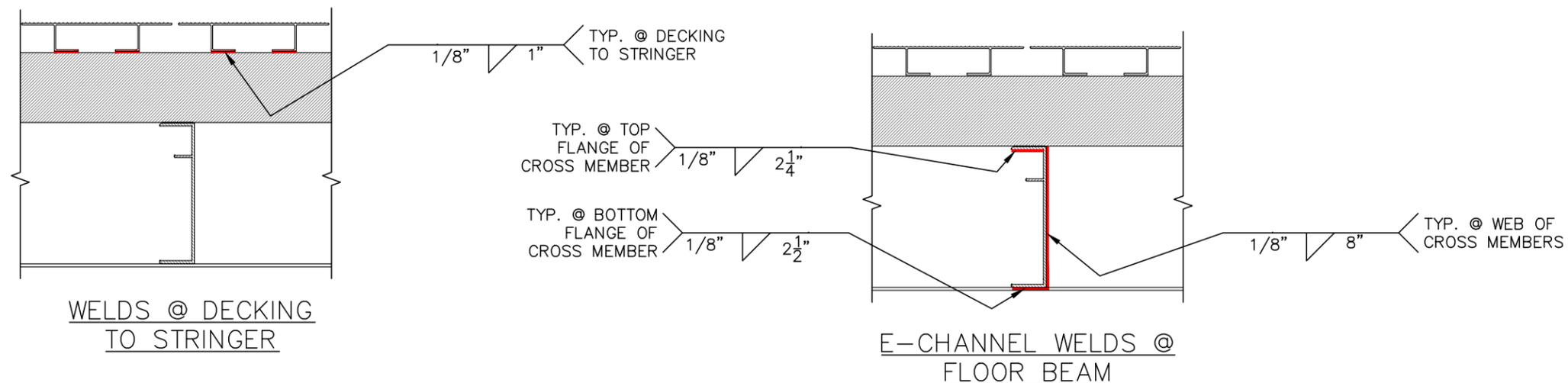
	NAME	DATE
DRAWN BY:	JS	5/11/20
CHECKED BY:	JF	5/11/20

DRAWING NO.:

**S-602**  
WELD DETAILS

SHEET: 6 of 6

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CONCEPTUAL