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SIGN AND DATE BELOW AND INITIAL ALL SHEETS TO INDICATE ACCEPTANCE AND APPROVAL FOR GATOR DOCK & MARINE TO PROCEED WITH FABRICATION.

CUSTOMER SIGNATURE

DATE

THIS DRAWING PACKAGE IS TO BE SIGNED BY THE CUSTOMER IN THE SIGNATURE BOX ABOVE, INITIALED ON EVERY PAGE, AND RETURNED TO:

CRANE MATERIALS INTERNATIONAL 1165 NORTHCHASE PKWY SUITE 300



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GatorBridge

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#### **RECORD OF REVISIONS**

	No.	DATE	DESCRIPTION
	0	08/02/17	DRAFT CONCEPT
	1	10/12/17	UPDATED CONCEPT

PROJECT NAME:

## LINCOLN COURT PEDESTRIAN BRIDGE

CUSTOMER NAME:

#### **BERGERON LAND** DEVELOPMENT, INC.

CUSTOMER ADDRESS:

19612 SW 69TH PLACE FORT LAUDERDALE, FL

PROJECT LOCATION:

LINCOLN COURT MIAMI BEACH, FL

142559

CUSTOMER PO NO .:

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TITLE PAGE

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BILL OF MATERIALS				
ITEM #	TYPE	DESCRIPTION	QTY/COMMENTS	WEIGHTS
Α	BRIDGE	8'x65'-0" CASCADE BRIDGE	1	~17,000 LBS
1	BOX FRAME	10" E-CHANNEL	1	
2	TRUSS CHORDS	8"x8"x1/2" TUBE	4	
3	TYPE	4		
4A	TRUSS END VERTICALS	4"x4"x1/2" TUBE	4	
4B	TRUSS INTERIOR VERTICALS	4"x4"x1/2" TUBE	18	
5A	TRUSS END DIAGONALS	4"x4"x1/2" TUBE	4	
5B	TRUSS INTERIOR DIAGONALS	4"x4"x1/4" TUBE	20	
6	FLOOR STRINGERS	4"x1 1/2" C-CHANNEL	6	
7	FLOOR BEAMS	6"x4"x1/4" TUBE	11	
8A	HORIZONTAL BRACING @ ENDS	6"x4"x1/4" TUBE	8	
8B	HORIZONTAL BRACING @ INTERIOR	6"x2 1/2" C-CHANNEL	8	
9	FLOOR END BEAMS	6"x2 1/2" C-CHANNEL	2	
10	DECKING	IPE 5/4x6" DECK PLANKS	575 SQ. FT. 1/8" MAX SPACING	
11	BASE PLATE	1'-2"x1'-4"x1/2" FLAT BAR	4	
12	BASE GUSSET	1/4" FLAT BAR GUSSET	12	
13	TOP CHORD END CAP	1/4" FLAT BAR END CAP	4	
14	CABLE RAIL	42" CABLE RAIL ASSEMBLY W/ 4" MAX SPACING	2 @ 65'-0" LF.	
15	DECK CORNER GUSSETS	1/4" DECK CORNER GUSSETS	8	
16A	ROOF BRACING @ END	4"x4"x1/2" TUBE	6	
16B	ROOF BRACING @ INTERIOR	4"x4"x1/4" TUBE	19	
17	TRUSS PANELING	1/8" THICK PERFORATED ALUMINUM SHEET	48	
18	ROOF PANELING	1/8" THICK PERFORATED ALUMINUM SHEET	12	
В	BEARING PAD	1'-2"x1'-6"x1" UHMW PAD	4	~10 LBS (EACH)

#### **GENERAL NOTES:**

#### **ALUMINUM SPECIFICATIONS:**

- ALL STRUCTURAL COMPONENTS SHALL BE 6061-T6 ALUMINUM
- ALL NON-STRUCTURAL COMPONENTS MAY BE 6063-T6 ALUMINUM
- ALL ALUMINUM WELD FILLER SHALL BE 5356
- ALUMINUM WELDING SHALL CONFORM TO AWS D1.2

- BRIDGE SHALL BE POWDER COATED "SIGNAL WHITE" (EXCEPTION - SS CABLES AND IPE DECKING)

#### **BEARING COMPONENTS:**

- BEARING PADS TO BE UHMW

#### **FABRICATION NOTES:**

- DEBURR ALL EXPOSED WELDS WHICH MAY COME IN CONTACT WITH PEDESTRIANS.
- NO BRIDGE CAMBER REQUIRED TO OFFSET DEAD LOAD

#### INSTALLATION:

- INSTALLATION BY OTHERS NO RESPONSIBILITY IS ACCEPTED FOR WORK BY OTHERS BRIDGE IS SIZED FOR 1" ANCHOR BOLTS, TO BE DESIGNED AND PROVIDED BY OTHERS.
- BRIDGE IS SIZED FOR A 1" GAP ON EACH END. EXPANSION JOINT MATERIAL AND/OR COVER PLATES PROVIDED BY OTHERS.

#### LOADING:

- SEE CALCULATION PACKAGE FOR COMPLETE DESIGN & LOADING CRITERIA

LIVE LOAD: 90 PSF

**VEHICLE LOAD: NONE** 

WIND LOAD: 145 MPH PER AASHTO STANDARD SPECIFICATIONS / ASCE 7-05

NO FLOOD LOADING CONSIDERED

#### **DESIGN CRITERIA:**

- AASHTO LRFD GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES, 2009 WITH 2015 INTERIM REVISIONS
- AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 2010 WITH 2015 INTERIM REVISIONS
- AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS, 2013 WITH 2015 INTERIM REVISIONS
- STANDARD ENGINEERING PRACTICE



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#### **BRIDGE MATERIAL LIST** & GENERAL NOTES

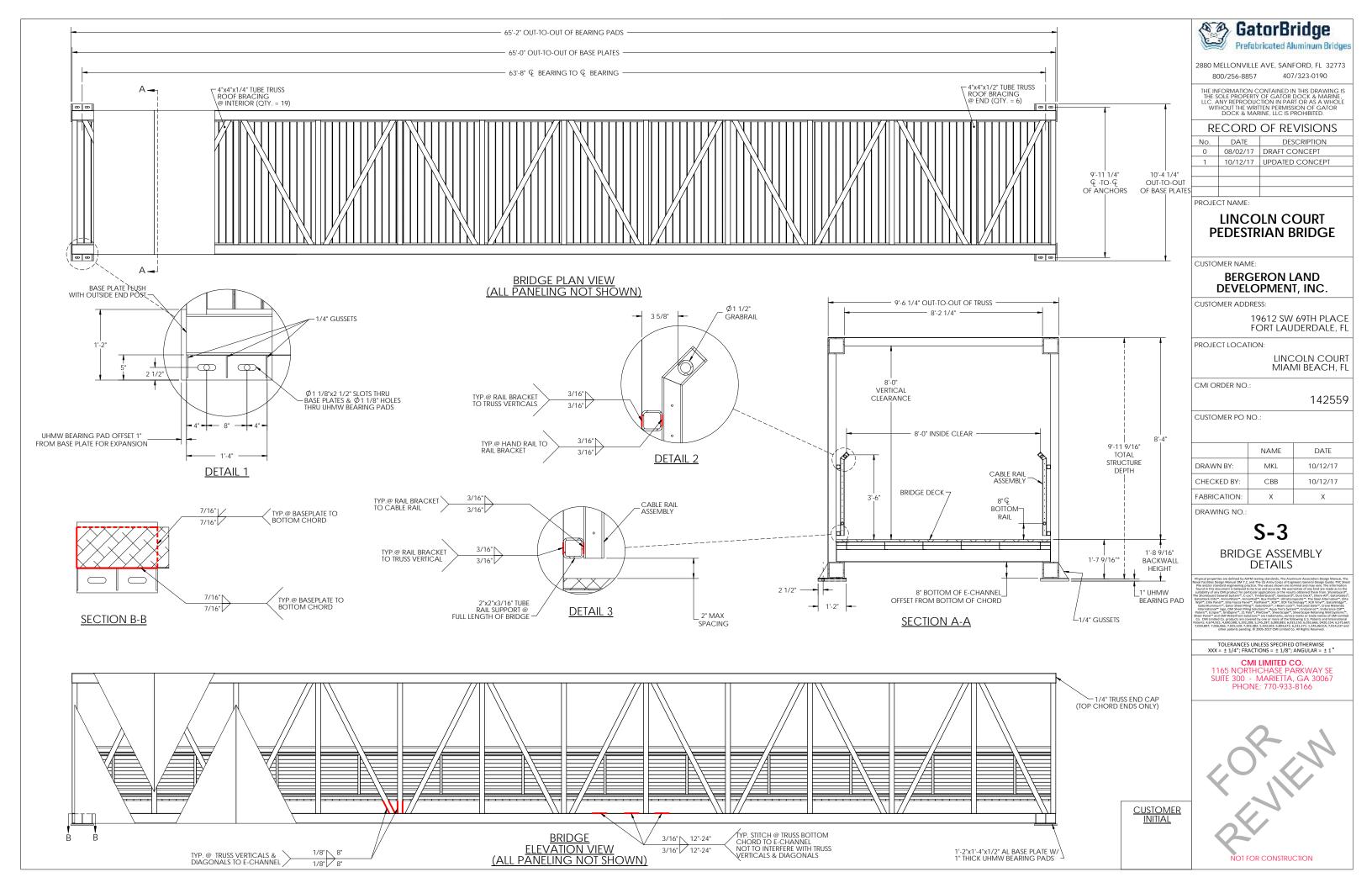
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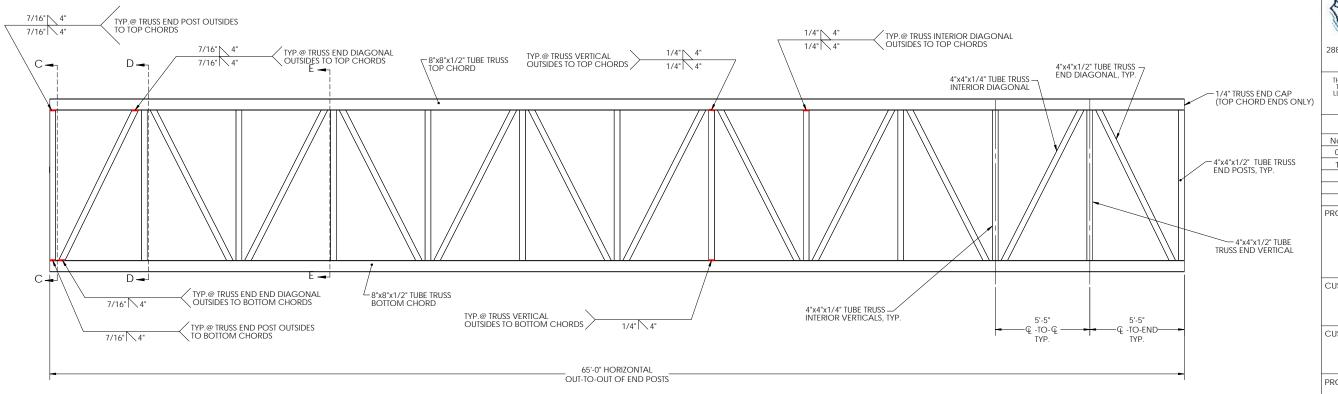
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PHONE: 770-933-8166

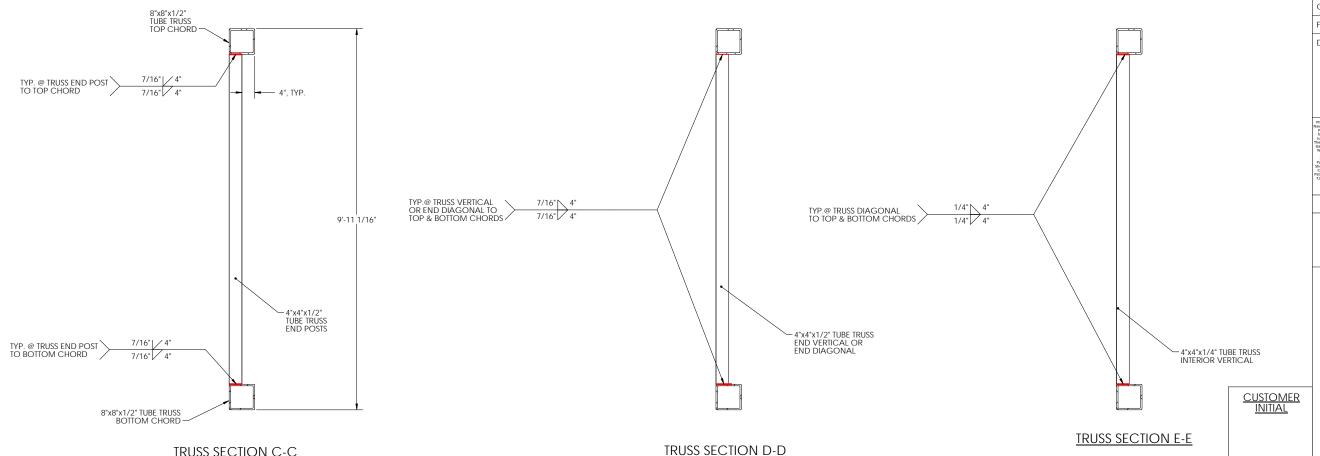


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TRUSS SECTION C-C



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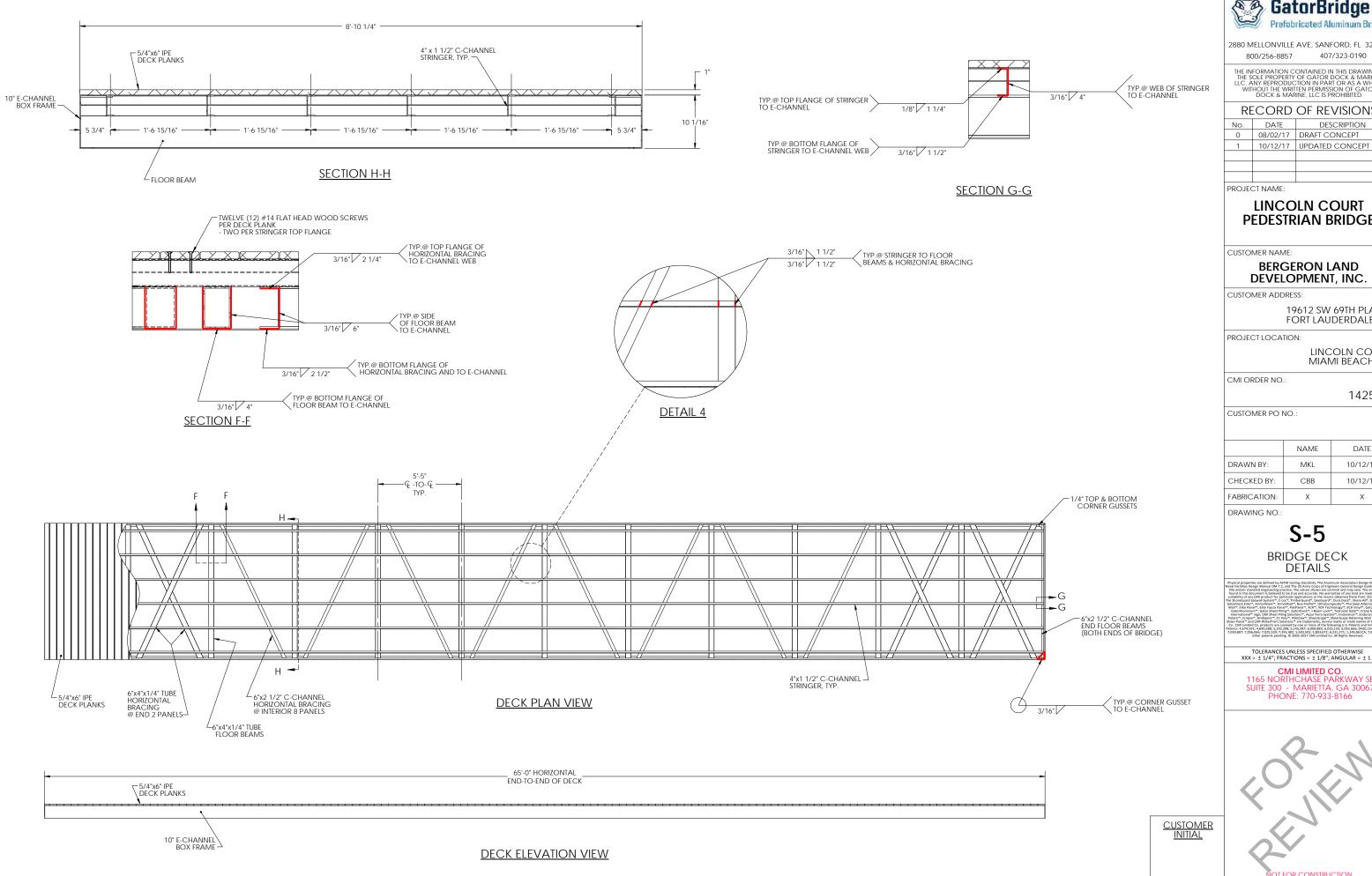
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#### **BRIDGE TRUSS** DETAILS

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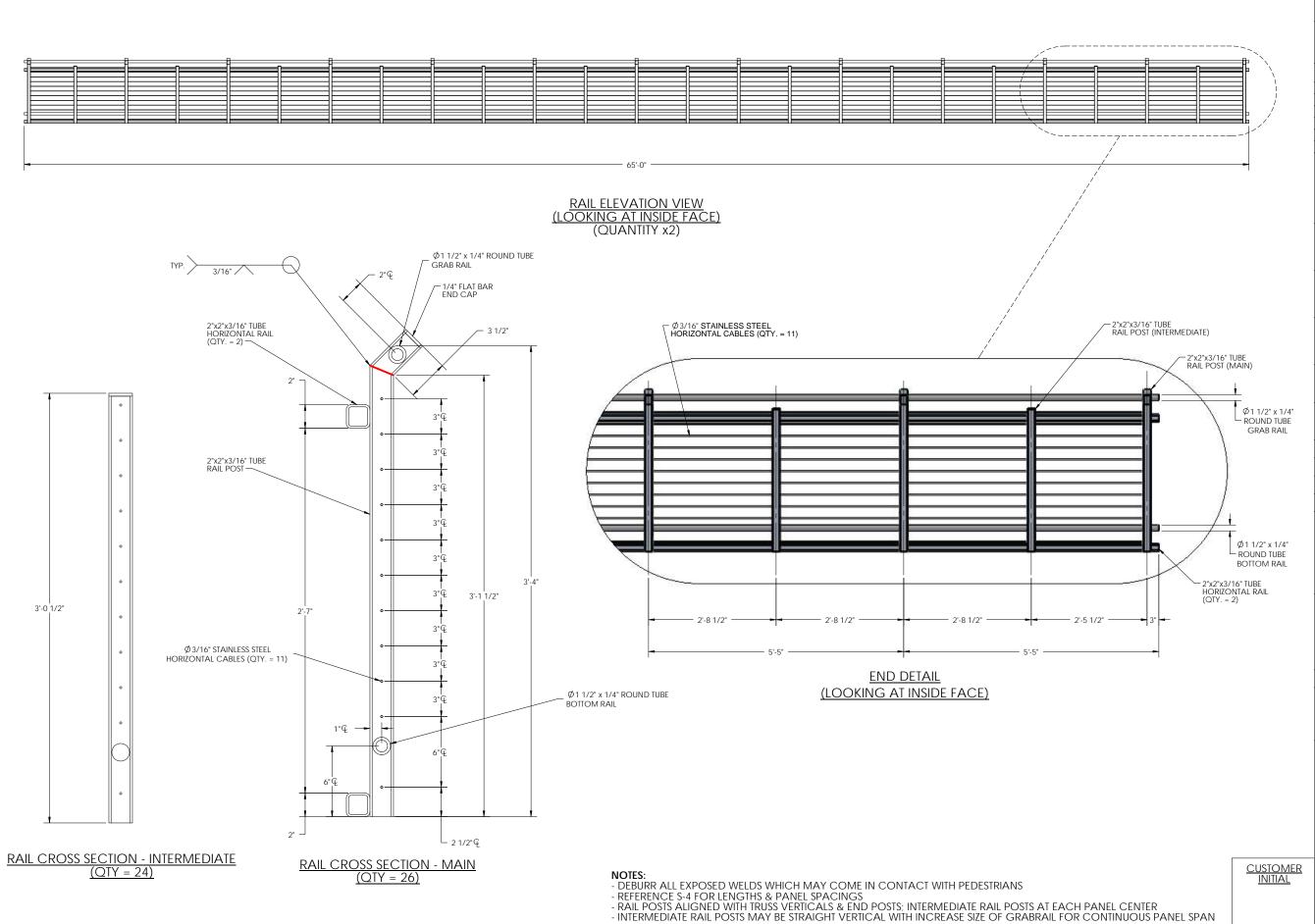
**S-5 BRIDGE DECK** 

**DETAILS** 

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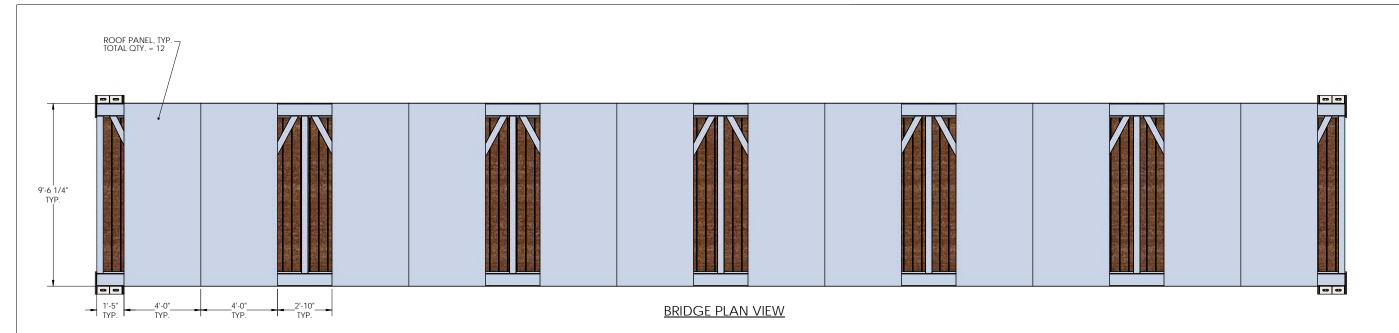
**S-6** 

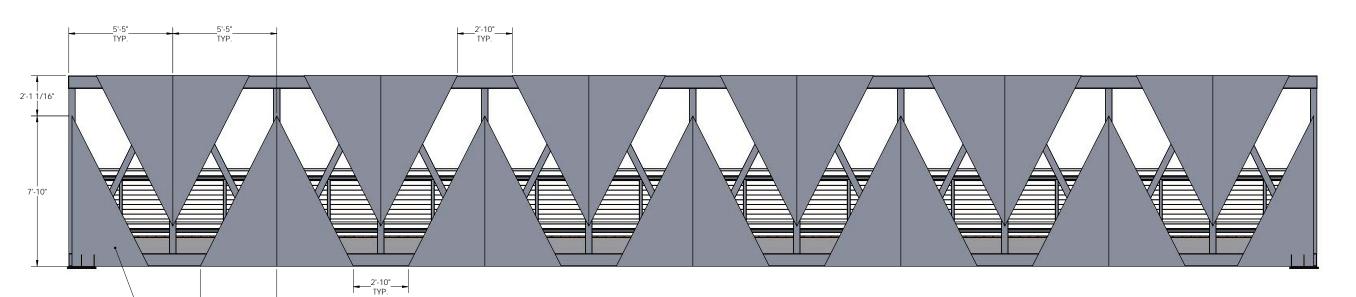
CABLE RAIL DETAILS

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BRIDGE ELEVATION VIEW



TRUSS PANEL, TYP. – TOTAL QTY. = 48

PERFORATED PANEL DETAIL

- Round Perforations Stamped into .125 Gauge Aluminum Panel
- PANEL: ALUMINUM TYPE 5052-H32
- 1/4" ROUND HOLE ON 3/8" STAGGER PANEL WEIGHT = 1.07 #/SF
- NOTE TO FABRICATOR: ORDER SHEET SIZE 48" x 120", CUT TO SIZE
- FRAME PERFORATED SHEET PANEL WITH ANGLE ALUMINUM FOR RIGIDITY AND INSTALLATION - WELD FRAME TO TRUSS.
- COLOR SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. BRIDGE AND PANELS TO BE POWDER COATED "SIGNAL WHITE".

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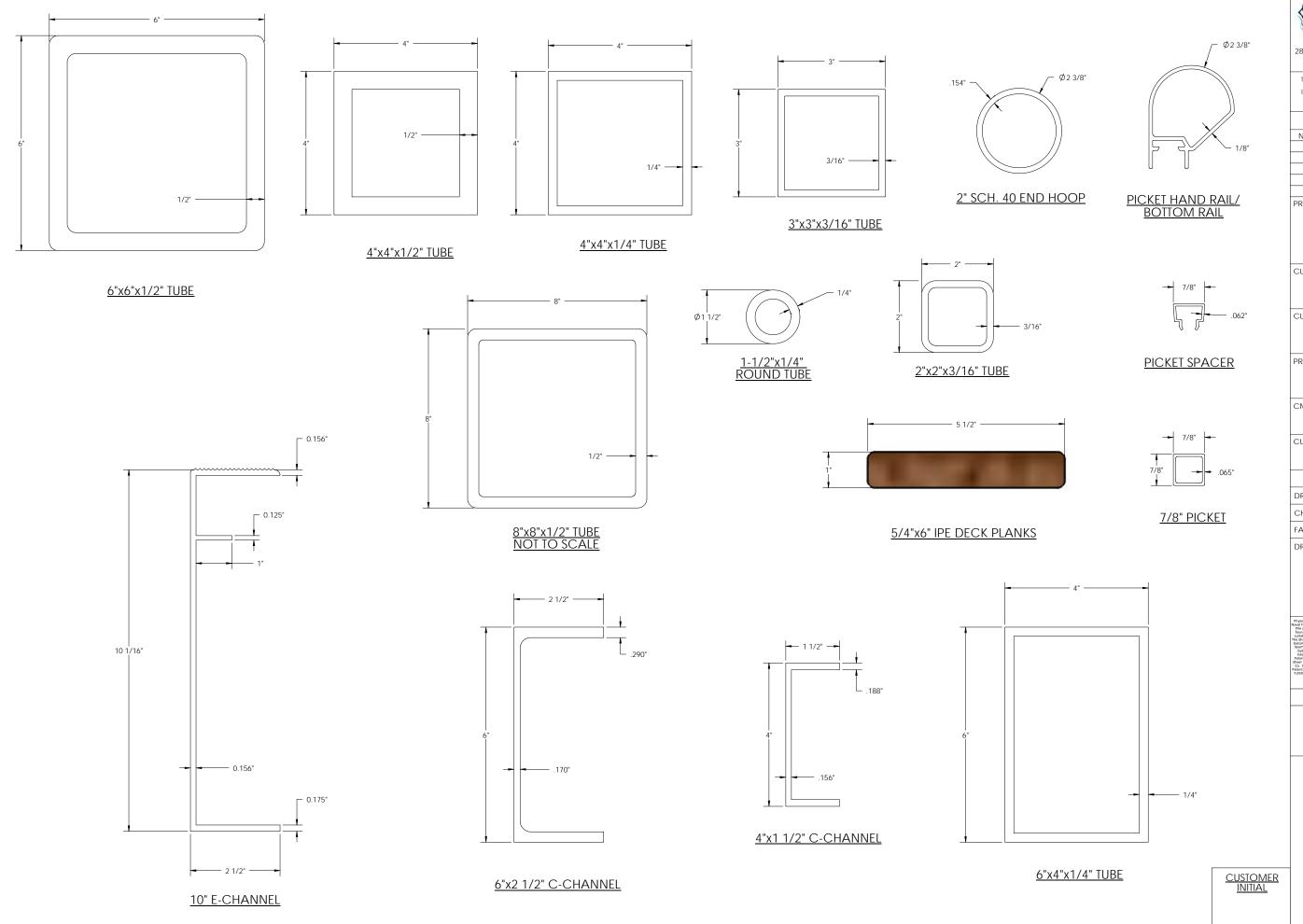
**S-7** 

#### **ALUMINUM PANELING DETAILS**

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**S-8** 

# STRUCTURAL COMPONENT DETAILS

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