

APPLICABLE CODES:

REVISION 7 DESIGN MANUAL 2015 AND 2020

PERMITS BNR21-0604.R7

ASCE 7-16

CALIFORNIA PUBLIC WORKS

APPROVED

SPECIAL BUILDING REQUIREMENTS FOR EPOXY ANCHORS.

2. SPECIAL INSPECTION REQUIRED FOR TWINING.

3. STRUCTURAL MATERIALS TO BE SPECIFIED:

6061-T6 ALUMINUM, ALUMINUM ANGLE SET

OF ORANGE COUNTY. THE STAMPING OF THESE PLAN

SPECIFICATIONS SHALL NOT BE HELD TO PERMIT OR BE AN

APPROVAL OF THE LOCATION OF ANY PROVISIONS OF ANY COUNTY

MANUFACTURING STANDING, CLOSING SPEED, SURFACE AND

OPENING FORCE AS PER CBC 11B-404.7

7. DOOR UNINTERRUPTED SURFACE AS PER

CBC, 11B-404.2.10.

8. DOOR LEAF WIDTH AS PER CBC, 1010.12.1.

9. PANIC HARDWARE AS PER CBC, 1010.1.10.

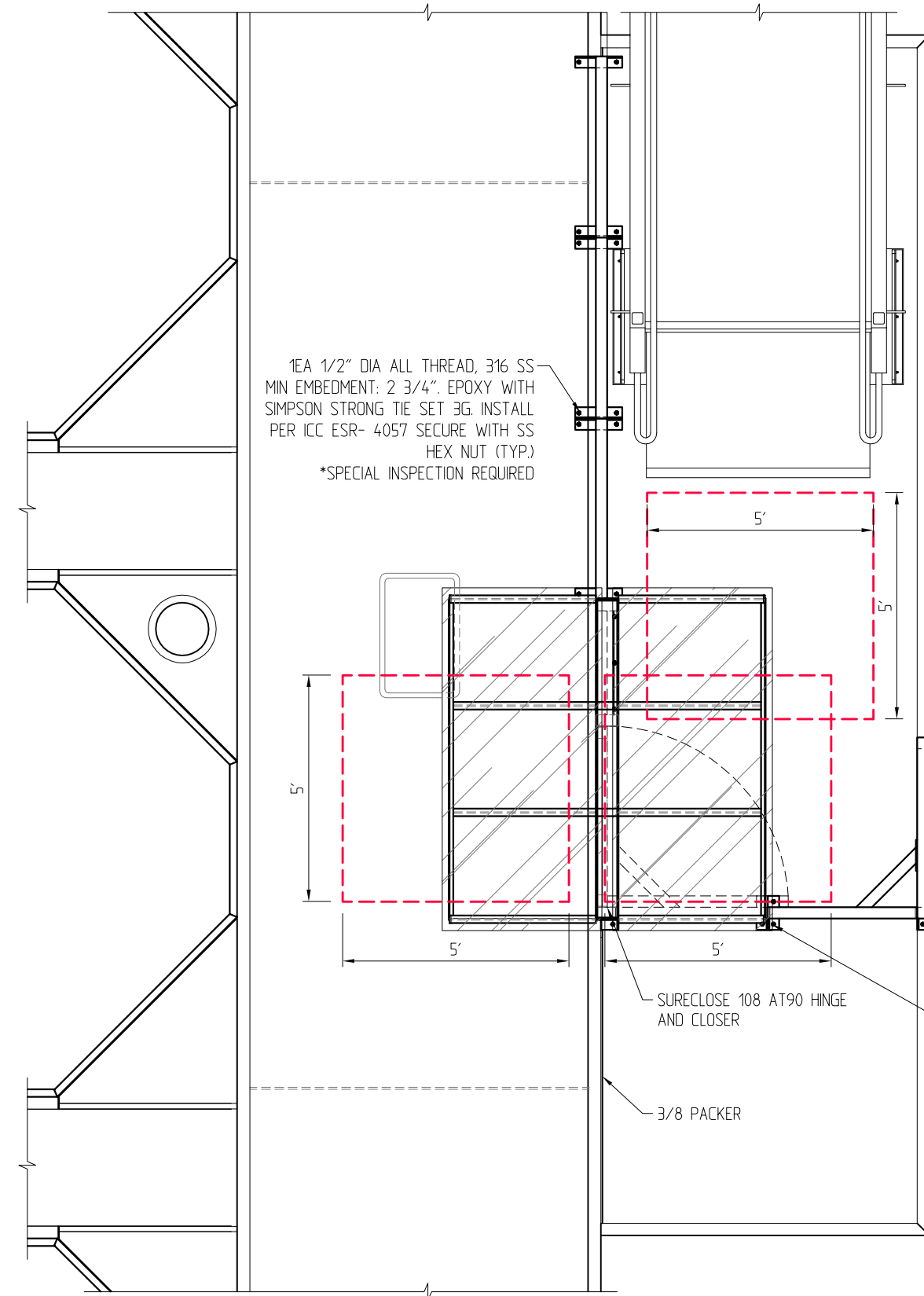
10. DOOR OPENING AS PER CBC, 1005.7.1.

11. DOOR SWING AS PER CBC 1010.12.1.

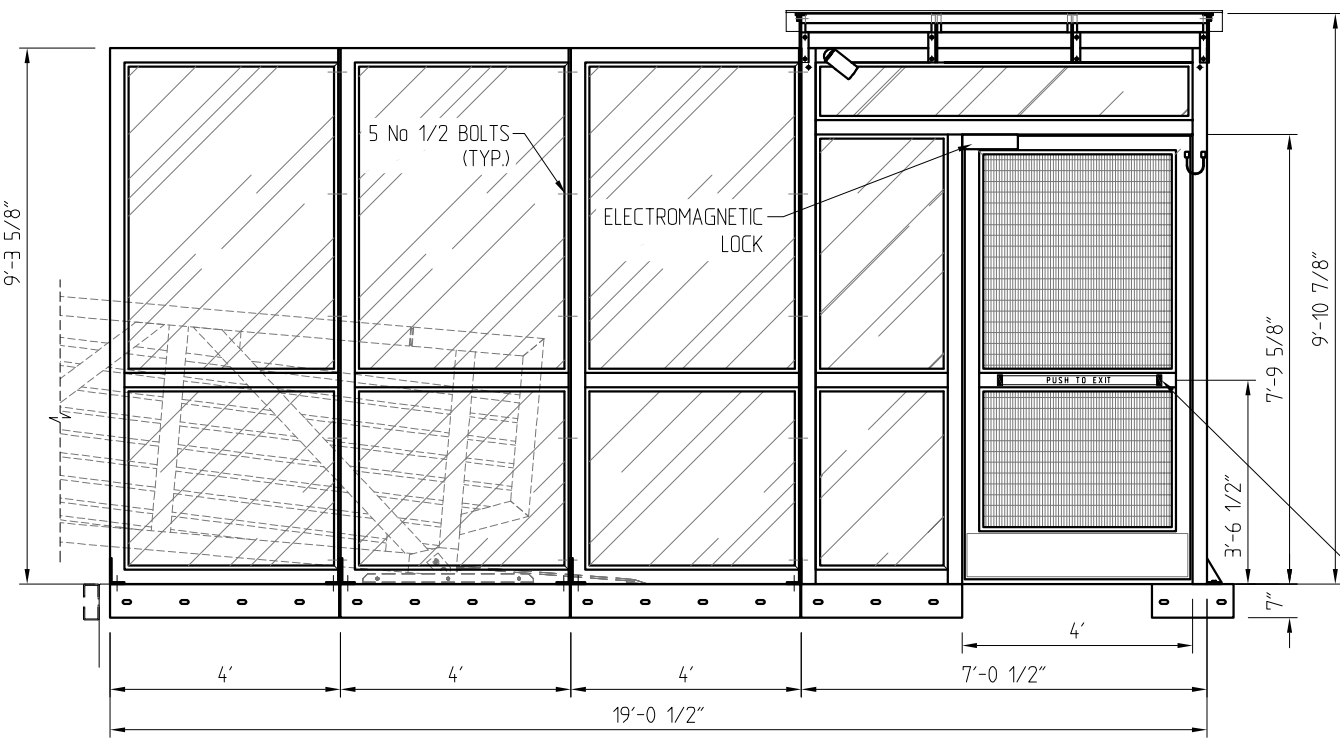
MSB550-PUSH TO EXIT BAR

DOOR CLOSER TO BE ADJUSTED SO FROM AN OPEN POSITION OF 90 DEGREES TO 12 DEGREE TAKES AT LEAST 5 SECONDS.

OPERABLE PARTS SHALL NOT REQUIRE TIGHT GRASPING.



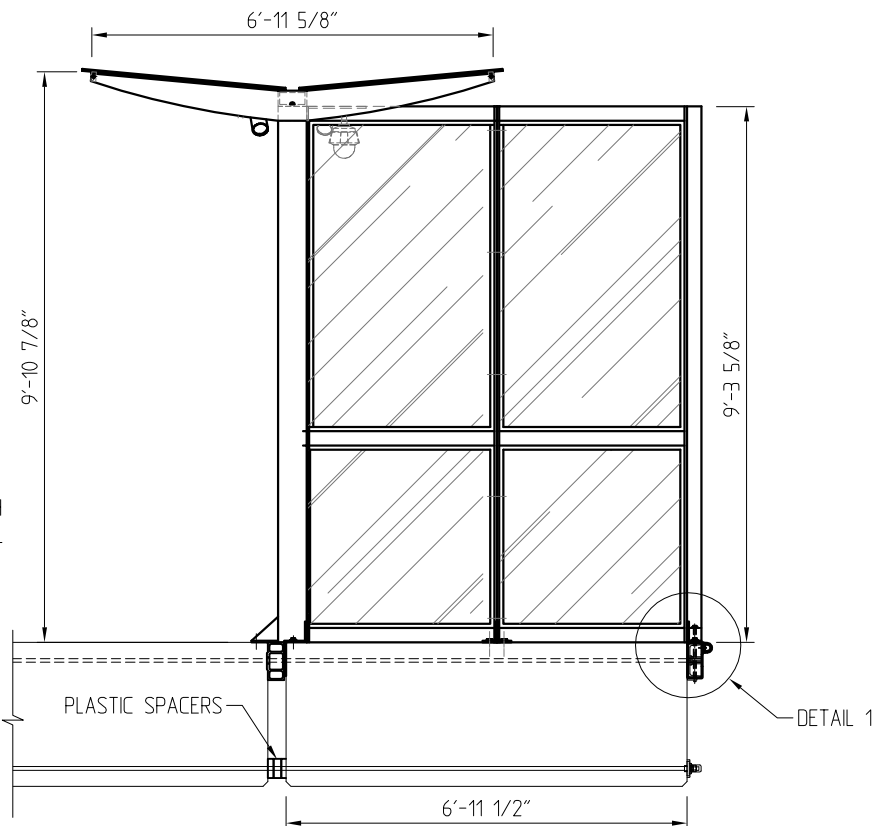
PLAN VIEW  
SCALE 1 : 40



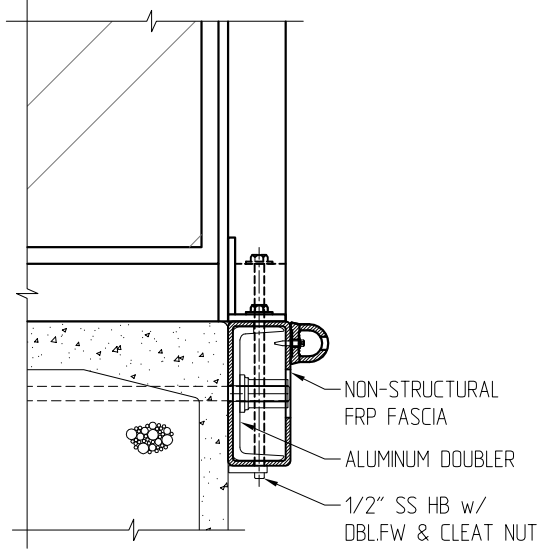
SIDE ELEVATION  
SCALE 1 : 40



dd03/03/2023



FRONT ELEVATION  
SCALE 1 : 40



DETAIL 1  
SCALE 1 : 10

1EA 1/2" DIA ALL THREAD, 316 SS  
MIN EMBEDMENT: 2 3/4". EPOXY WITH  
SIMPSON STRONG TIE SET 3G. INSTALL  
PER ICC ESR- 4057 SECURE WITH SS  
HEX NUT (TYP.)  
\*SPECIAL INSPECTION REQUIRED

BELLINGHAM MARINE INDUSTRIES, INC.

NO EXCEPTIONS TAKEN

REVISE AND RESUBMIT (RAR)

OTHER: \_\_\_\_\_

REVIEW IS ONLY FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PRODUCT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. ANY ACTION SHOWN IS SUBJECT TO THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS WHICH SHALL BE CONFIRMED AND CORRELATED AT THE JOB SITE. ENGINEERING, FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATION OF THEIR WORK WITH THAT OF ALL OTHER TRADES AND THE SATISFACTORY PERFORMANCE OF THEIR WORK.

Craig Funston P.E., S.E.

03/03/2023

NO.	DATE	DESCRIPTION	BY
7	03/09/23	DEFERRED SUBMITTAL FOR ADA GANGWAY ACCESS GATES.	
A	02/24/23	GENERAL REVISION	
C	02/08/23	GENERAL REVISION	
B	02/08/23	GENERAL REVISION	
A	02/07/23	GENERAL REVISION	
REVISIONS			

**Bellingham MARINE**

THE WORLD'S MOST COMPREHENSIVE MARINA BUILDER

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PROJECT NUMBER:  
ENGINEER / DESIGNER:  
PROJECT MANAGER:  
CHECKED BY:

**DANA POINT MARINA**

HARBOR DRIVE, DANA POINT CA 92629

W-12 ADA SECURITY GATE - GENERAL ARRANGEMENT

SCALE: AS SHOWN

DRAWN BY: IN

DATE: 02/01/23

DRAWING: 22-P4-SG W12-01

SHEET NO.: 50.2



BELLINGHAM MARINE INDUSTRIES, INC.

NO EXCEPTIONS TAKEN  
 REVISE AND RESUBMIT (RAR)  
 OTHER: \_\_\_\_\_

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Craig Funston P.E., S.E.

03/03/2023

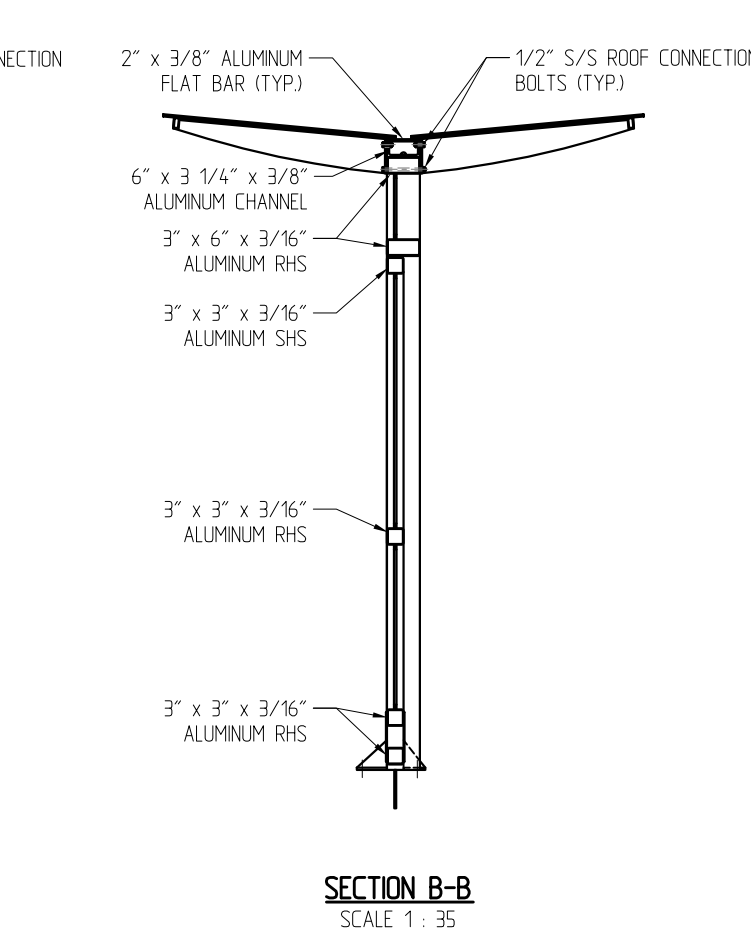
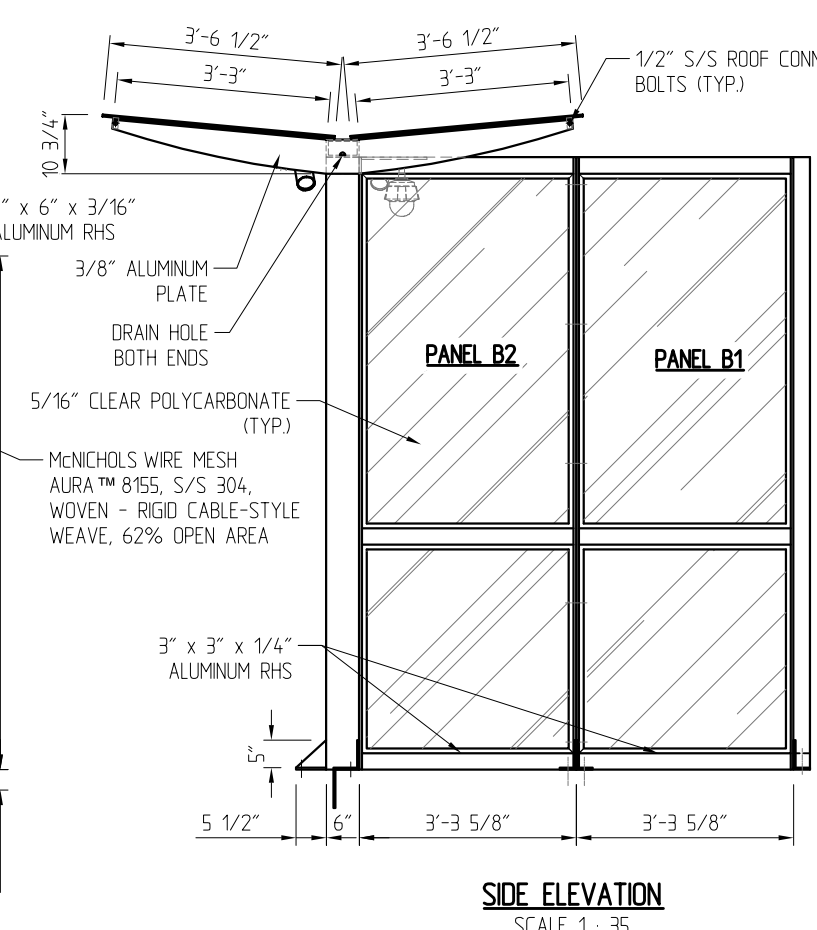
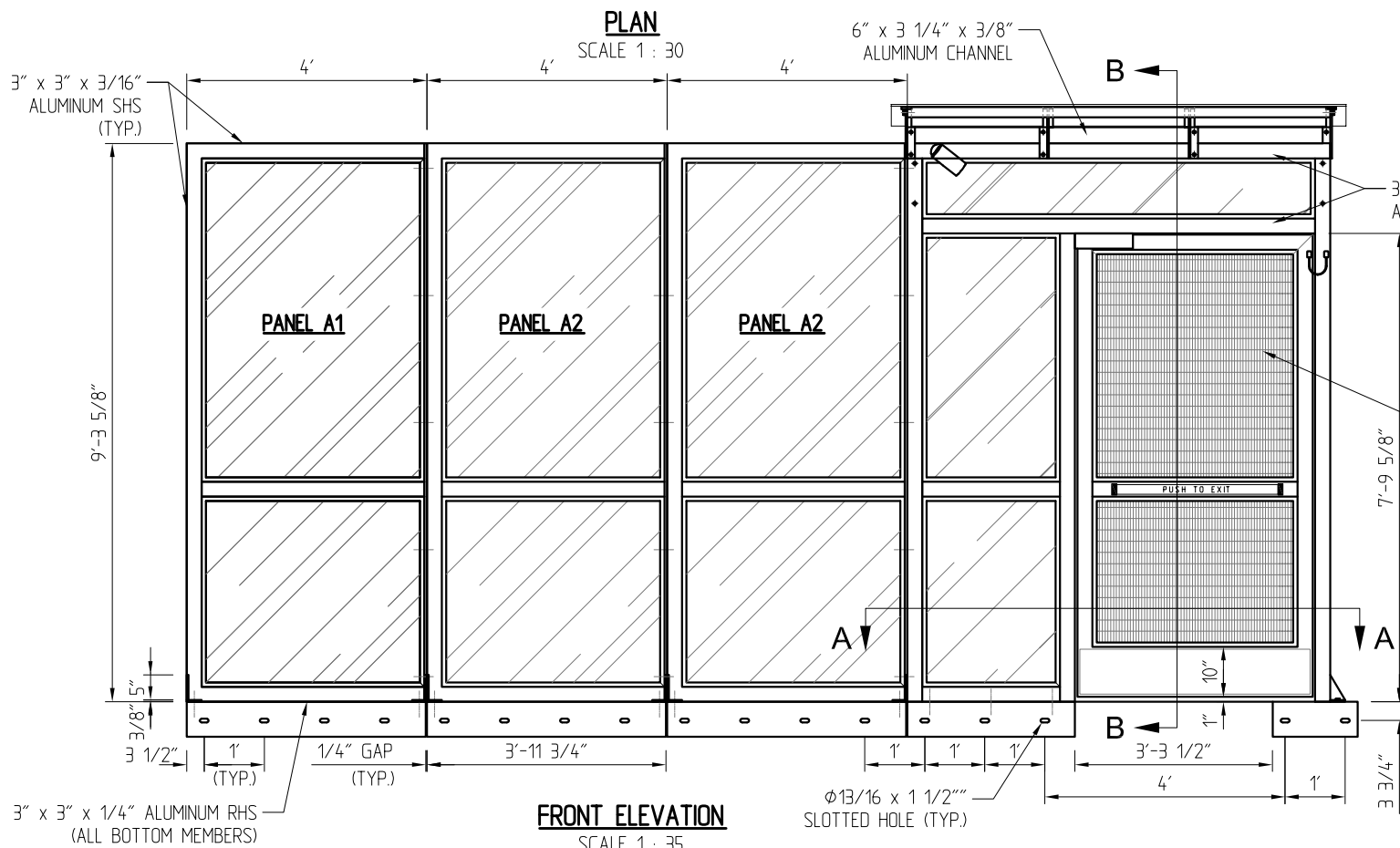
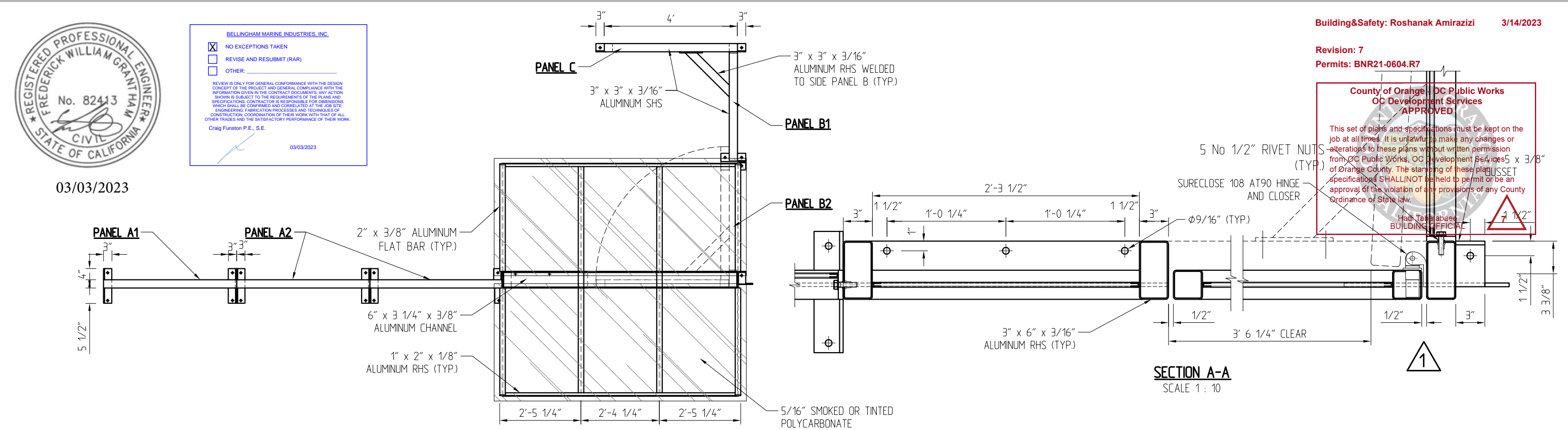
Revision: 7  
 Permits: BNR21-0604.R7

County of Orange - OC Public Works  
 OC Development Services  
 APPROVED

This set of plans and specifications must be kept on the job at all times. It is unlawful to make any changes or alterations to these plans without written permission from OC Public Works, OC Development Services of Orange County. The stamping of these plans and specifications SHALL NOT be held to permit or be an approval of the violation of any provisions of any County Ordinance or State law.

Hadi Tabatabaee  
 BUILDING OFFICIAL

03/03/2023



NO.	DATE	DESCRIPTION	BY
7	03/09/23	DEFERRED SUBMITTAL FOR ADA GANGWAY ACCESS GATES.	
A	02/24/23	DOOR HINGE REVISED	
C	02/08/23	GENERAL REVISION	
B	02/08/23	GENERAL REVISION	
A	02/07/23	GENERAL REVISION	
REVISIONS			

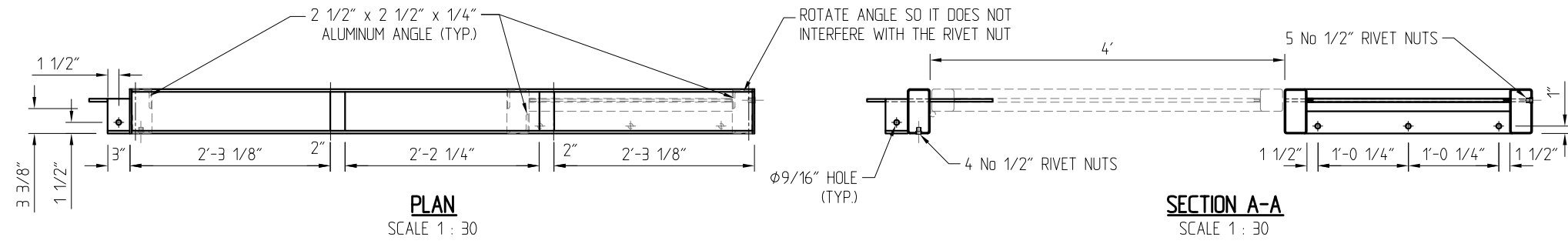


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PROJECT NUMBER:  
 ENGINEER / DESIGNER:  
 PROJECT MANAGER:  
 CHECKED BY:

**DANA POINT MARINA**  
 HARBOR DRIVE, DANA POINT CA 92629  
**W-12 ADA SECURITY GATE - ASSEMBLY DRAWING**

SCALE: AS SHOWN  
 DRAWN BY: IN  
 DATE: 02/01/23  
 DRAWING: 22-P4-SG W12-02  
 SHEET NO.: 50.3



**NOTES**

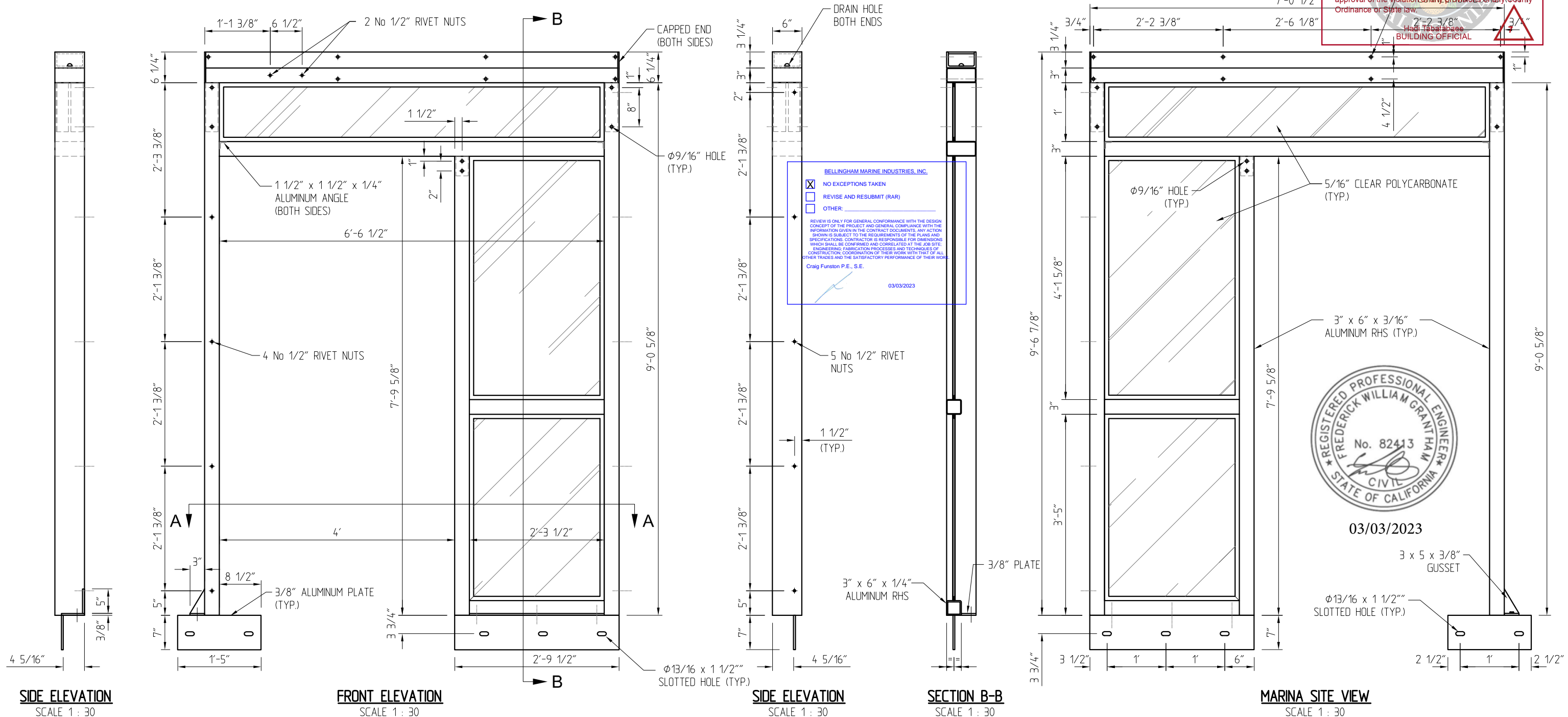
1. ALL FRAME CONNECTIONS TO BE OPEN FOR WIRES TO GO THROUGH AND PULL STRINGS INSTALLED.
2. LIGHTS, CCTV AND DRAIN POSITION TBC.
3. LIGHTING AND SIGNAGE TO BE PROVIDED BY THE CONTRACTOR.
4. MAGNETIC LOCK AND BRIVO ACCESS WITH SURECLOSE SOFT CLOSER.
5. PUSH TO EXIT MSB550 MECHANICAL SWITCH BAR.

Revision: 7  
Permits: BNR21-0604.R7

County of Orange OC Public Works  
OC Development Services  
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Hadi Tabatabaee  
BUILDING OFFICIAL



BELLINGHAM MARINE INDUSTRIES, INC.

- NO EXCEPTIONS TAKEN
- REVISE AND RESUBMIT (RAR)
- OTHER:

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Craig Funston P.E., S.E.

03/03/2023

NO.	DATE	DESCRIPTION	BY
7	03/09/23	DEFERRED SUBMITTAL FOR ADA GANGWAY ACCESS GATES.	
A	02/07/23	GENERAL REVISION	
REVISIONS			



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PROJECT NUMBER:  
ENGINEER / DESIGNER:  
PROJECT MANAGER:  
CHECKED BY:

**DANA POINT MARINA**

HARBOR DRIVE, DANA POINT CA 92629

**W-12 ADA SECURITY GATE - MAIN FRAME**

SCALE: AS SHOWN  
DRAWN BY: IN  
DATE: 02/01/23  
DRAWING: 22-P4-SG W12-03  
SHEET NO.: 50.4







03/03/2023

**BELLINGHAM MARINE INDUSTRIES, INC.**

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 OTHER: \_\_\_\_\_

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 Craig Furston P.E., S.E.

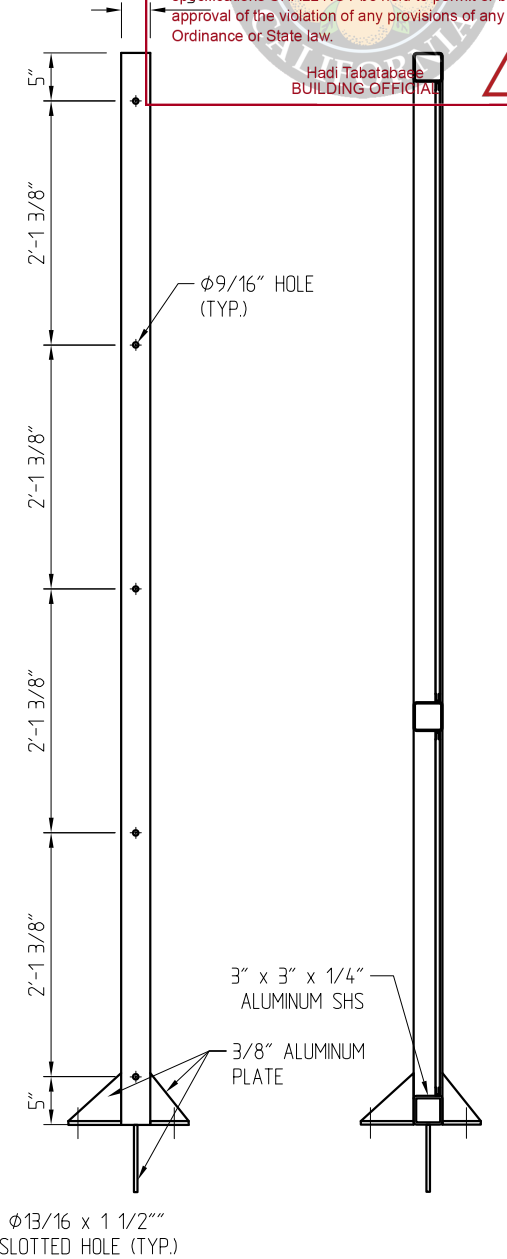
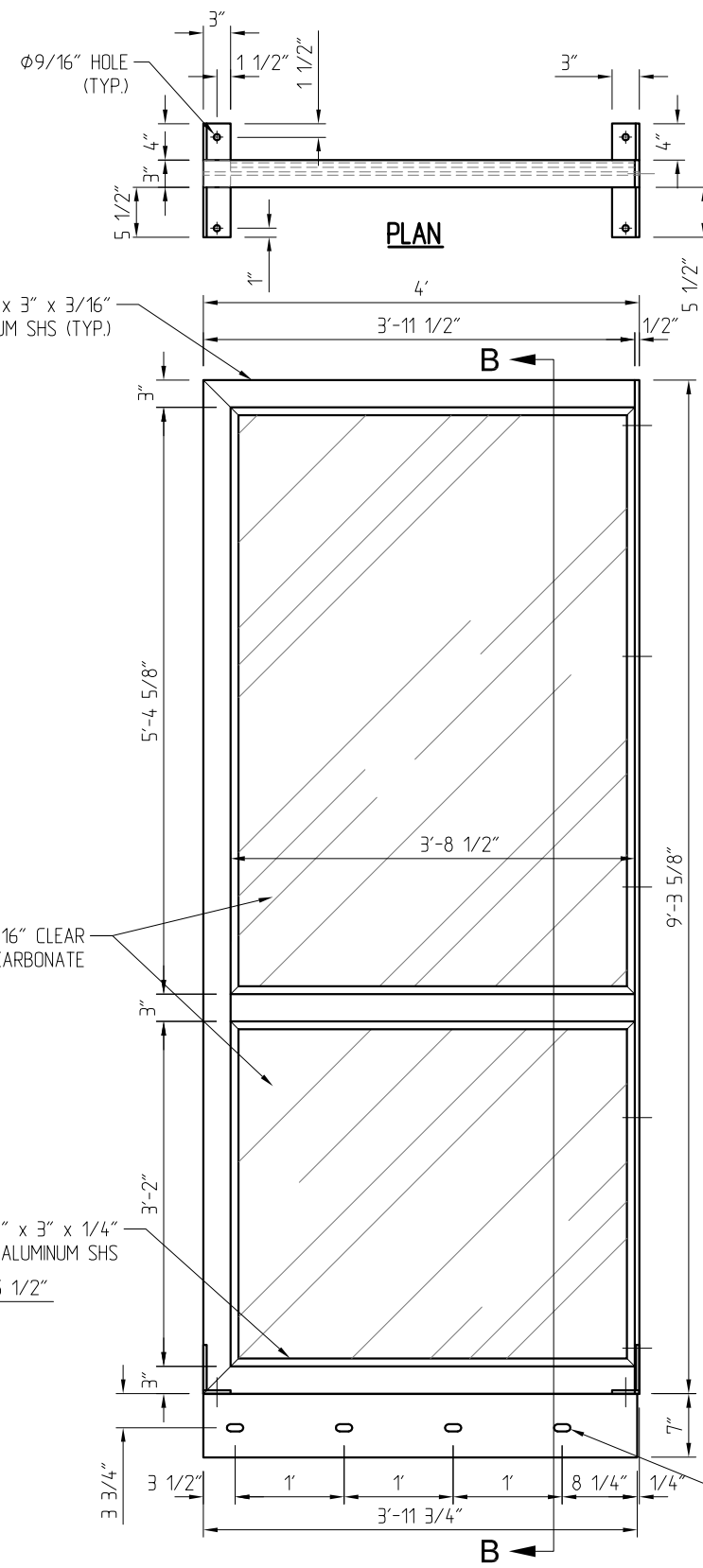
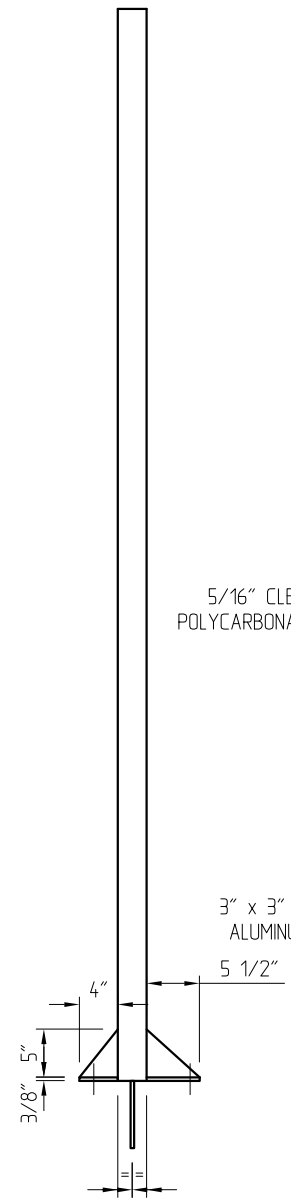
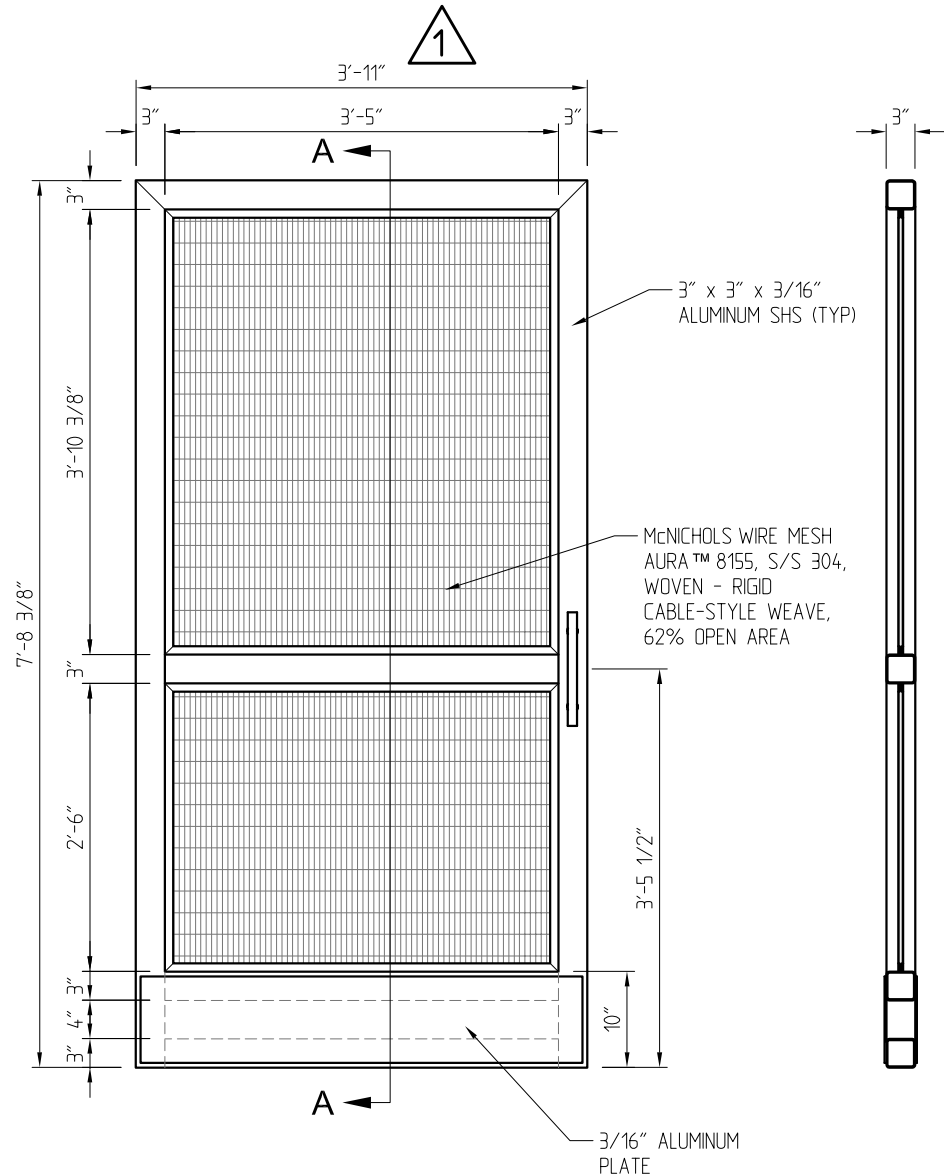
03/03/2023

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 OC Development Services  
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Hadi Tabatabaee  
 BUILDING OFFICIAL

7



NO.	DATE	DESCRIPTION	BY
7	03/09/23	DEFERRED SUBMITTAL FOR ADA GANGWAY ACCESS GATES.	
A	02/24/23	DOOR WIDTH REVISED	
C	02/08/23	GENERAL REVISION	
B	02/08/23	GENERAL REVISION	
A	02/07/23	GENERAL REVISION	
<b>REVISIONS</b>			



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PROJECT NUMBER:  
 ENGINEER / DESIGNER:  
 PROJECT MANAGER:  
 CHECKED BY:

**DANA POINT MARINA**  
 HARBOR DRIVE, DANA POINT CA 92629  
**W-12 ADA SECURITY GATE - DOOR LEAF & PANELS**

SCALE: AS SHOWN  
 DRAWN BY: IN  
 DATE: 02/01/23  
 DRAWING: 22-P4-SG W12-05  
 SHEET NO.: 50.6



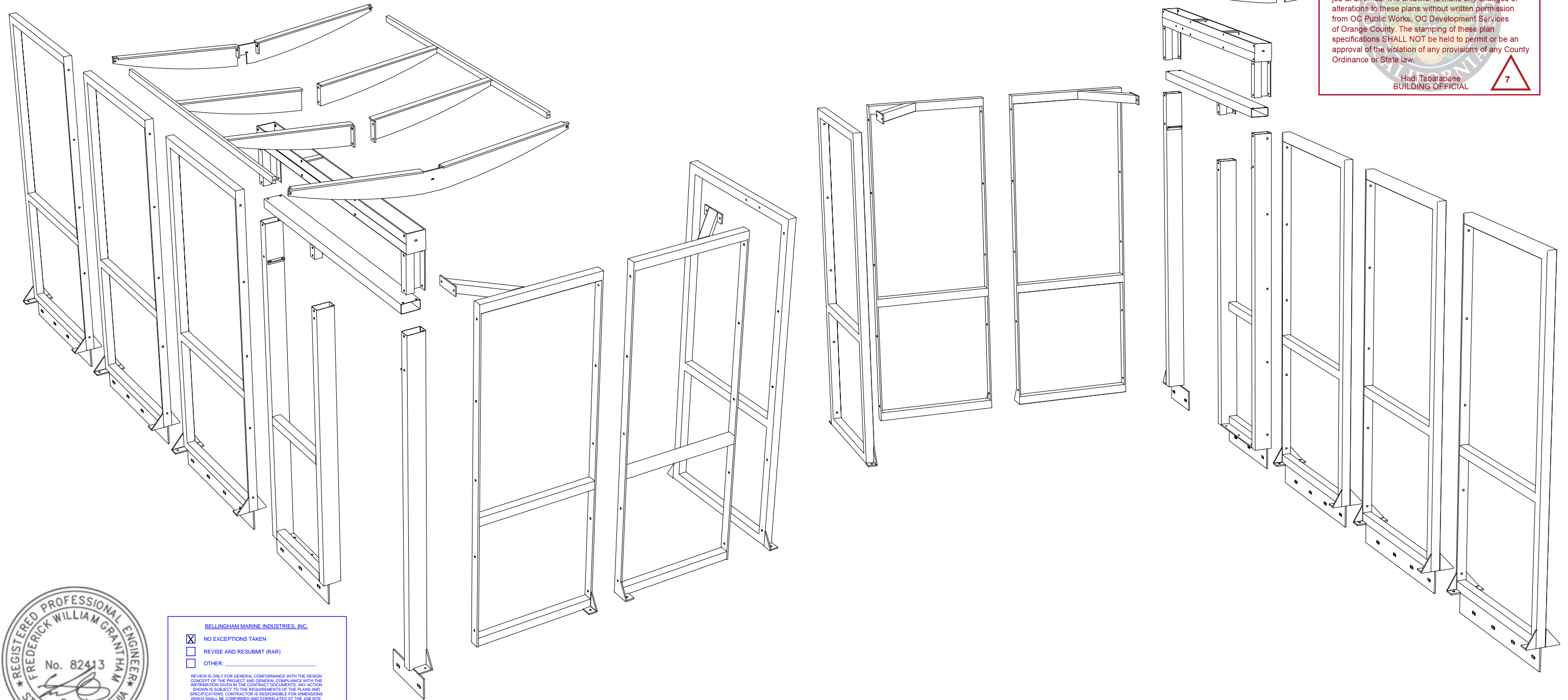


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OC Development Services  
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Hadi Tabatabaee  
BUILDING OFFICIAL

7



03/03/2023

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03/03/2023

NO.	DATE	DESCRIPTION	BY
7	03/09/23	DEFERRED SUBMITTAL FOR ADA GANGWAY ACCESS GATES.	
C	02/08/23	GENERAL REVISION	
B	02/08/23	GENERAL REVISION	
A	02/07/23	GENERAL REVISION	
REVISIONS			

**Bellingham**  
MARINE

THE WORLD'S  
MOST COMPREHENSIVE  
MARINA BUILDER

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PROJECT NUMBER:	
ENGINEER / DESIGNER:	
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**DANA POINT MARINA**

HARBOR DRIVE, DANA POINT CA 92629

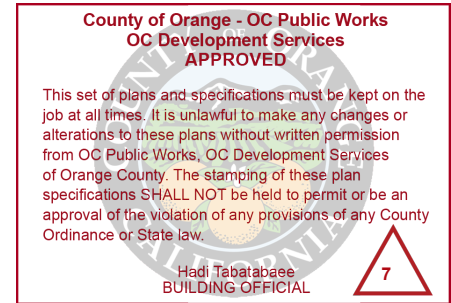
**W-12 ADA SECURITY GATE - EXPLODED VIEW**

SCALE:	AS SHOWN
DRAWN BY:	IN
DATE:	02/01/23
DRAWING:	22-P4-SG W12-08
SHEET NO.:	50.9





Revision: 7  
Permits: BNR21-0604.R7



March 3, 2023

Roshanak Amirazizi P.E.  
Civil Engineer  
OC Development Services / Building and Safety  
Orange County, CA

RE: BNR21-0604 Dana Point Harbor, Aluminum Gates – Dock W12  
Deferred Submittal (resubmittal)

Dear Roshanak,

Please find the attached revised drawings and calculations for the aluminum gates to be used at dock W12 of the Dana Point Harbor Revitalization Project (permit number BNR21-0604). The calculations are dated 2/8/2023 and the drawings are dated 3/3/2023.

The gates are a manufactured product from Specialty Steel Products, Inc. and have been engineered and sealed by Grantham Engineering. As Engineer-of-Record for the marina portion of the redevelopment, I have reviewed the drawings and calculations for general conformance with the project requirements. This includes review of the attachment of the gates to the floating docks.

Sincerely,

Bellingham Marine Engineering  
p

Craig S. Funston, P.E., S.E.

Attachments:

SSP Aluminum Gate Drawing	2023-03-03
SSP Aluminum Gate Calculation Set	2023-02-08



## Special Inspection Program and Designation of Special Inspectors

County of Orange, OC Public Works  
 OC Development Services  
**APPROVED**

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### SPECIAL INSPECTIONS (Only checked items are required)

INSPECTION ITEMS	SPECIAL INSPECTOR(S) NAME, PHONE NUMBER, REGISTRATION #
<input type="checkbox"/> Concrete (Design Mix, Form Work, Placement, etc., per table 1705.3)	Kossuth "Eddie" Cox (714)376-3462 #2077
<input type="checkbox"/> Erection of Pre-Cast Concrete Members	Norm Biehn (951)836-5788 #2068
<input type="checkbox"/> Bolts Installed in Concrete	Jonathan Basilla (949)633-5636 #2199
<input type="checkbox"/> Reinforcing Steel and Pre-Stressing Steel Tendons	Jacques Brosseau (949)633-0616 #2138
<input checked="" type="checkbox"/> Structural Welding/Rebar Welding	Royce Gould (949)289-3136 #2034
<input type="checkbox"/> High-Strength Bolting/Material Verification	Russ Price (949)289-5785 #2035
<input type="checkbox"/> Steel Frame Joint Details	Josh Cuda (949) 246-3369 #2188
<input type="checkbox"/> All Masonry Construction	Frank Williams (562)547-4564 #2247
<input type="checkbox"/> Sprayed Fire-Resistive Materials	Jade Sill (949)485-0760 #2021
<input type="checkbox"/> Shotcrete (Curing Temperature, Design Mix, Placement, Strength etc. per table 1705.3)	John Strauss (714)620-5235 #4669
<input type="checkbox"/> Soils (Excavation, Fill, etc. per table 1705.6)	
<input type="checkbox"/> Smoke-Control System	Jim Schmitz (925)784-6117 #0472
<input type="checkbox"/> Driven Piles per Table 1705.7	
<input type="checkbox"/> Cast in Place Piles per Table 1705.8	
<input type="checkbox"/> Mastic and Intumescent Fire-Resistant Coatings	
<input type="checkbox"/> Exterior Insulation and Finish Systems (EIFS)	
<input type="checkbox"/> Wood for High-Load Diaphragms	
<input type="checkbox"/> Others	
<input type="checkbox"/> Others	
<input type="checkbox"/> Others	
<input type="checkbox"/> Others	

**DECLARATION BY OWNER OR ARCHITECT/ENGINEER OF RECORD:**

I, the  Owner  Engineer or  Architect of record, declare that the above listed Special Inspector(s) is/are hired by me.

JOSEPH WEBERROTH  
 Print Name

[Signature]  
 Signature

3.1.23  
 Date