

SLIDELL MUNICIPAL MARINA
AT HERITAGE PARK
NEW CONCRETE FLOATING DOCK
SLIDELL, LA
SUBMITTAL PACKAGE – REV.03



Subject : SUBMITTAL PACKAGE
Project No : 0415
Date : August 31, 2017 – Revision 03

Initial from customer

MARINETEK NORTH AMERICA, INC.

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St Petersburg, FL 33701

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SECTION 1

LAYOUT AND DETAIL SUBMITTAL DRAWING

MARINETEK NORTH AMERICA, INC.

ADDRESS

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SLIDELL MUNICIPAL MARINA AT HERITAGE PARK

SLIDELL, LOUISIANA
JUNE 06, 2017

LOCATION OF BAYOU BONFOUCA
IN SEC. 10-T95-R14E
SLIDELL, LOUISIANA




SUBMITTAL



KEY PLAN
PLAN VIEW
1"=150'-0"

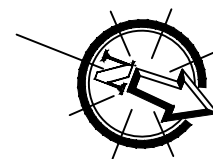


REV: 01	DESC: GAZEBO AND GANGWAY	DATE: 2017-07-26	BY: C.B.	PROPERTY INFORMATION Drawings, schemes or other designs produced or delivered by Marinetek North America Inc. relating to the Products are the sole property of Marinetek and may not be used or utilized without a prior written approval by Marinetek. All dimensions are nominal and should not be used as basis of any calculations by the customer.	DRAWN BY: C.B.	PROJECT: SLIDELL MUNICIPAL MARINA SLIDELL, LOUISIANA	MARINETEK NORTH AMERICA INC. 222 14th Avenue South 33701 St. Petersburg, Florida Tel: (877) 909-3625 Web: www.marinetek.net	PROJECT: 0415	
REV: 02	DESC: REVISED SUBMITTAL	DATE: 2017/08/15	BY: C.B.		APPROVED BY: R.M.			TITLE: KEY PLAN LAYOUT SUBMITTAL	DWG: 0415LGE00
REV: 03	DESC: REVISED SUBMITTAL	DATE: 2017/08/31	BY: C.B.		REFERENCE: -			DATE: 2017-06-06	REV: 03

LEGEND:

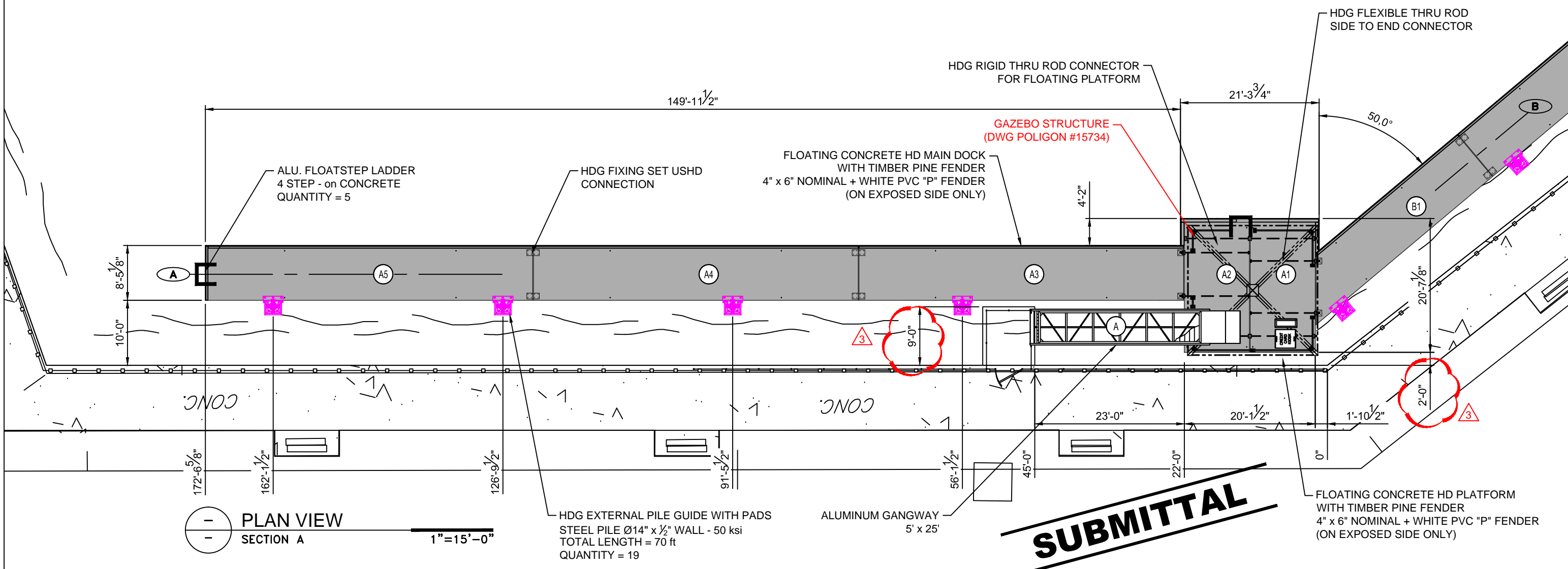
-  FLOATING CONCRETE HD MAIN DOCK WITH TIMBER PINE FENDER 4" x 6" NOMINAL + WHITE PVC "P" FENDER (ON EXPOSED SIDE ONLY)
-  FLOATING CONCRETE HD FINGER DOCK WITH TIMBER PINE FENDER 2" x 6" NOMINAL + WHITE PVC "P" FENDER (ON EXPOSED SIDE ONLY)
-  FLOATING ALUMINUM SUBSTATION DOCK

-  HDG EXTERNAL PILE GUIDE WITH PADS
STEEL PILE Ø14" x 1/2" WALL - 50 ksi
TOP OF PILE ELEV. = +15 ft NGVD
EMBEDMENT = 40 ft
TOTAL LENGTH = 70 ft
QUANTITY = 19
-  ALU. FLOATSTEP LADDER
4 STEP - on CONCRETE DOCK
QUANTITY = 5




STRUCTURE SIZE/NUMBER




SECTION	STRUCTURE NO.	STRUCTURE WIDTH	STRUCTURE LENGTH	NAME
A	A	5'-0"	25'-0"	GANGWAY
	A1	10'-0"	20'-0"	M1020USHD
	A2	10'-0"	20'-0"	M1020USHD
	A3	8'-0"	49'-11"	M0850USHD
	A4	8'-0"	49'-11"	M0850USHD
	A5	8'-0"	49'-11"	M0850USHD





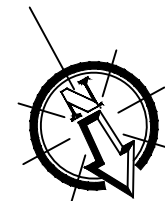
PLAN VIEW
SECTION A
1" = 15'-0"

REV: 01	DESC: GAZEBO AND GANGWAY	DATE: 2017-07-26	BY: C.B.	PROPERTY INFORMATION Drawings, schemes or other designs produced or delivered by Marinetek North America Inc. relating to the Products are the sole property of Marinetek and may not be used or utilized without a prior written approval by Marinetek. All dimensions are nominal and should not be used as basis of any calculations by the customer.	DRAWN BY: C.B.	PROJECT: SLIDELL MUNICIPAL MARINA SLIDELL, LOUISIANA TITLE: GENERAL LAYOUT SECTION A SUBMITTAL	 MARINETEK NORTH AMERICA INC. 222 14th Avenue South St. Petersburg, Florida 33701 Tel: (877) 909-3625 Web: www.marinetek.net	PROJECT: 0415
REV: 02	DESC: DIM CORRECTION	DATE: 2017/08/15	BY: C.B.		APPROVED BY: R.M.			DWG: 0415LGE01
REV: 03	DESC: REVISED SUBMITTAL	DATE: 2017/08/31	BY: C.B.		REFERENCE: -			DATE: 2017-06-06

LEGEND:

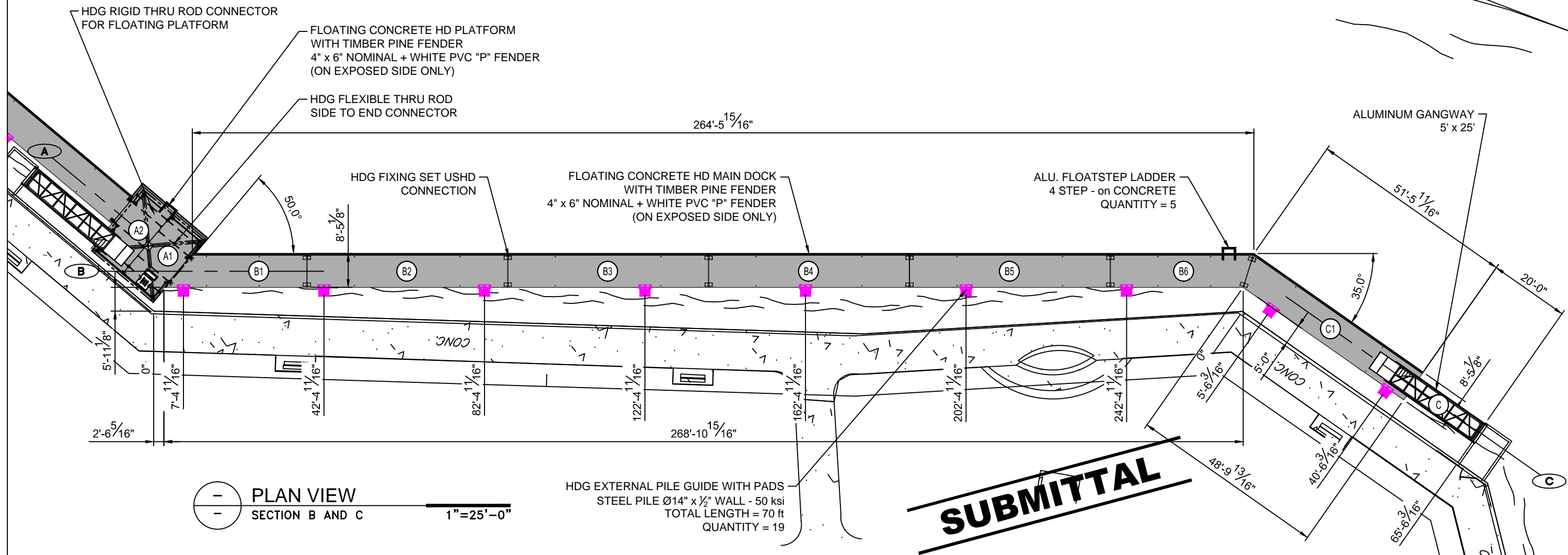
-  FLOATING CONCRETE HD MAIN DOCK WITH TIMBER PINE FENDER 4" x 6" NOMINAL + WHITE PVC "P" FENDER (ON EXPOSED SIDE ONLY)
-  FLOATING CONCRETE HD FINGER DOCK WITH TIMBER PINE FENDER 2" x 6" NOMINAL + WHITE PVC "P" FENDER (ON EXPOSED SIDE ONLY)
-  FLOATING ALUMINUM SUBSTATION DOCK

-  HDG EXTERNAL PILE GUIDE WITH PADS STEEL PILE Ø14" x 1/2" WALL - 50 ksi TOP OF PILE ELEV. = +15 ft NGVD EMBEDMENT = 40 ft TOTAL LENGTH = 70 ft QUANTITY = 19
-  ALU. FLOATSTEP LADDER 4 STEP - on CONCRETE DOCK QUANTITY = 5



STRUCTURE SIZE/NUMBER


SECTION	STRUCTURE NO.	STRUCTURE WIDTH	STRUCTURE LENGTH	NAME
B	B1	8'-0"	35'-5"	M0835USHD-A
	B2	8'-0"	49'-11"	M0850USHD
	B3	8'-0"	49'-11"	M0850USHD
	B4	8'-0"	49'-11"	M0850USHD
	B5	8'-0"	49'-11"	M0850USHD
	B6	8'-0"	35'-6"	M0836USHD-A
C	C	5'-0"	25'-0"	GANGWAY
	C1	8'-0"	51'-3"	M0851USHD-A






 PLAN VIEW
 SECTION B AND C
 1"=25'-0"



HDG EXTERNAL PILE GUIDE WITH PADS
 STEEL PILE Ø14" x 1/2" WALL - 50 ksi
 TOTAL LENGTH = 70 ft
 QUANTITY = 19

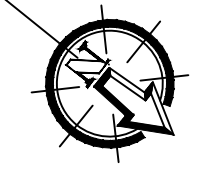
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REV: 02	DESC: REVISED SUBMITTAL	DATE: 2017/08/31	BY: C.B.		APPROVED BY: R.M.			TITLE: GENERAL LAYOUT SECTION B AND C SUBMITTAL	DWG: 0415LGE02
REV: -	DESC: -	DATE: -	BY: -		REFERENCE: -				DATE: 2017-06-06

LEGEND:

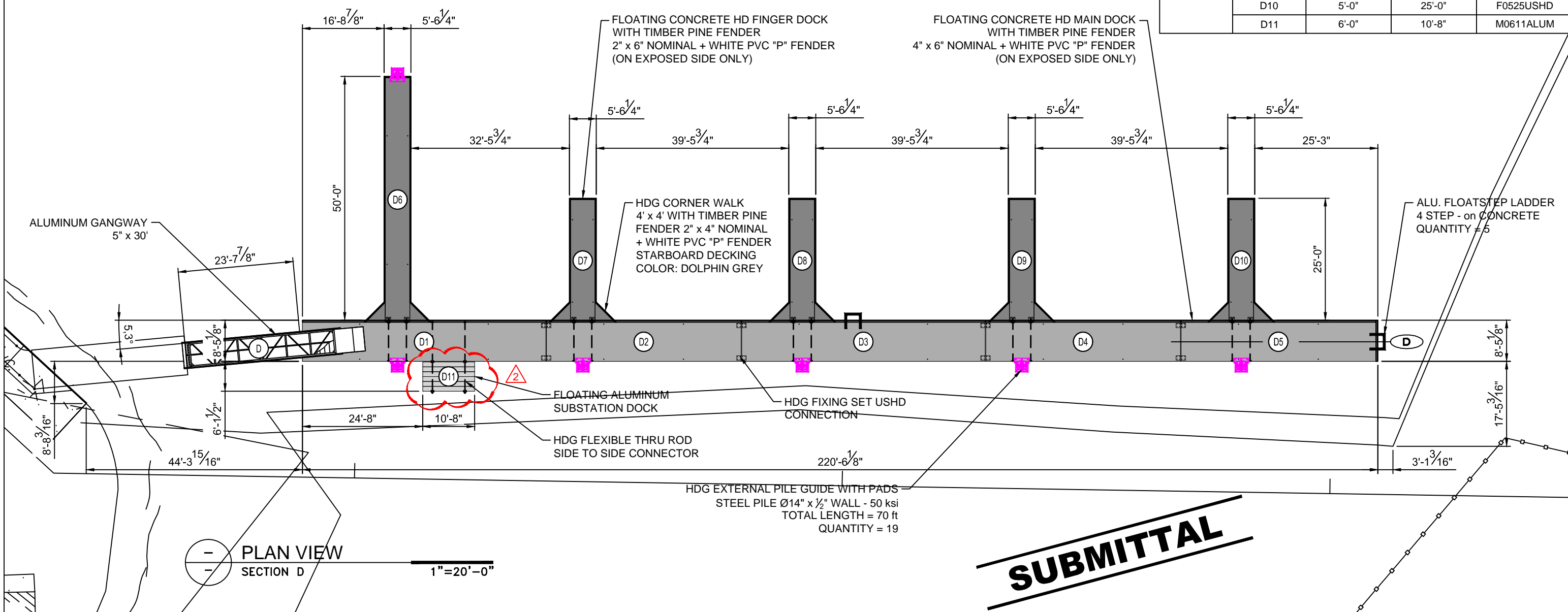
-  FLOATING CONCRETE HD MAIN DOCK WITH TIMBER PINE FENDER 4" x 6" NOMINAL + WHITE PVC "P" FENDER (ON EXPOSED SIDE ONLY)
-  FLOATING CONCRETE HD FINGER DOCK WITH TIMBER PINE FENDER 2" x 6" NOMINAL + WHITE PVC "P" FENDER (ON EXPOSED SIDE ONLY)
-  FLOATING ALUMINUM SUBSTATION DOCK

-  HDG EXTERNAL PILE GUIDE WITH PADS
STEEL PILE Ø14" x 1/2" WALL - 50 ksi
TOP OF PILE ELEV. = +15 ft NGVD
EMBEDMENT = 40 ft
TOTAL LENGTH = 70 ft
QUANTITY = 19
-  ALU. FLOATSTEP LADDER
4 STEP - on CONCRETE DOCK
QUANTITY = 5




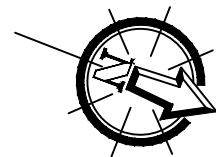
STRUCTURE SIZE/NUMBER

SECTION	STRUCTURE NO.	STRUCTURE WIDTH	STRUCTURE LENGTH	NAME
D	D	5'-0"	30'-0"	GANGWAY
	D1	8'-0"	49'-11"	M0850USHD
	D2	8'-0"	39'-11"	M0840USHD
	D3	8'-0"	49'-11"	M0850USHD
	D4	8'-0"	39'-11"	M0840USHD
	D5	8'-0"	39'-11"	M0840USHD
	D6	5'-0"	50'-0"	F0550USHD
	D7	5'-0"	25'-0"	F0525USHD
	D8	5'-0"	25'-0"	F0525USHD
	D9	5'-0"	25'-0"	F0525USHD
	D10	5'-0"	25'-0"	F0525USHD
D11	6'-0"	10'-8"	M0611ALUM	

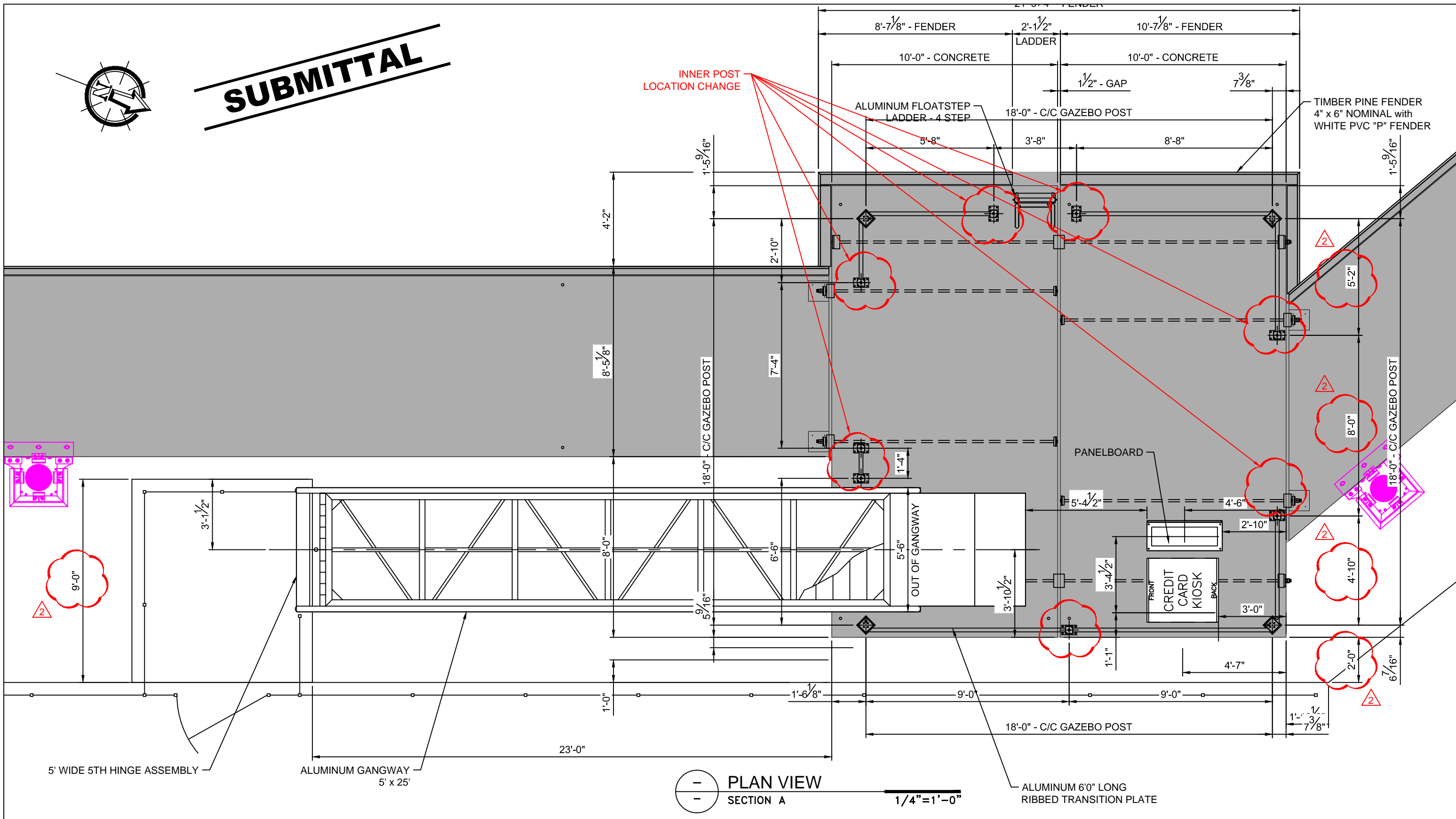


SUBMITTAL

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REV: 02	DESC: REVISED SUBMITTAL	DATE: 2017/08/31	BY: C.B.		APPROVED BY: R.M.			DWG: 0415LGE03	
REV: -	DESC: -	DATE: -	BY: -		REFERENCE: -			DATE: 2017-06-06	REV: 02



SUBMITTAL

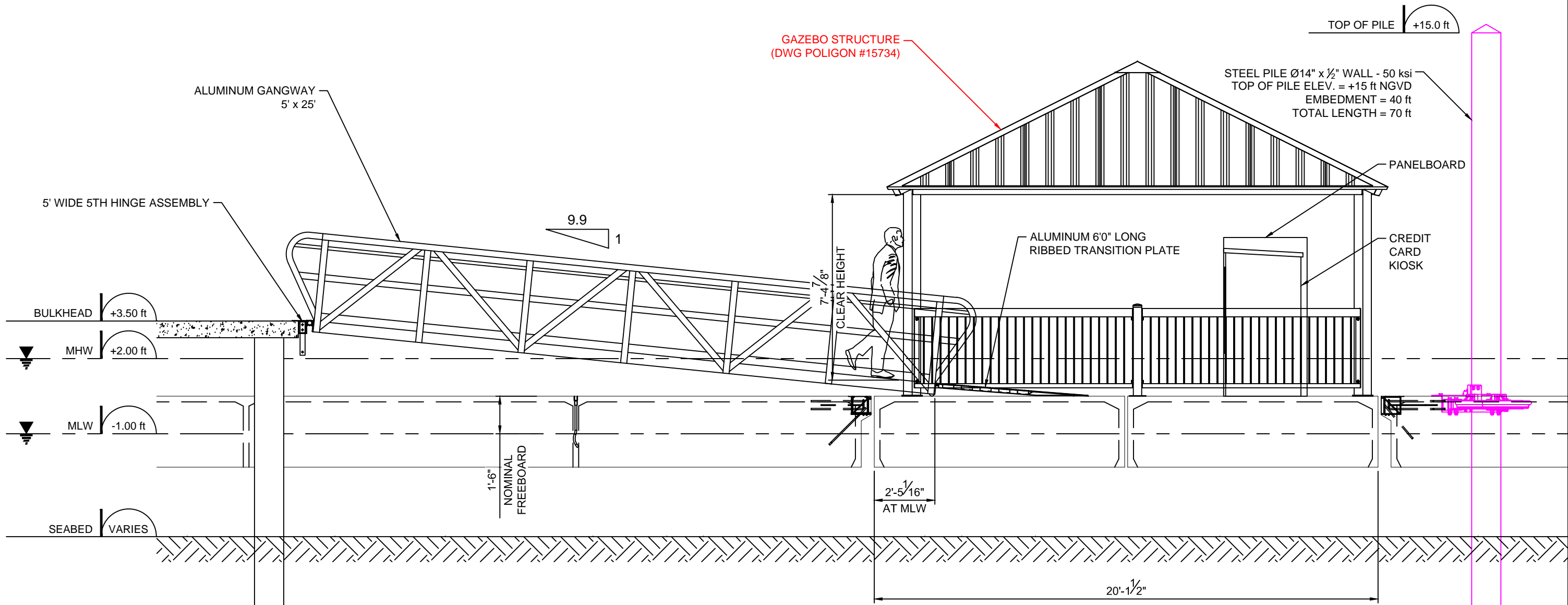


PLAN VIEW
SECTION A
1/4" = 1'-0"

REV: 01	DESC: GANGWAY POSITION	DATE: 2017/08/15	BY: C.B.	PROPERTY INFORMATION Drawings, schemes or other designs produced or delivered by Marinetek North America Inc. relating to the Products are the sole property of Marinetek and may not be used or utilized without a prior written approval by Marinetek. All dimensions are nominal and should not be used as basis of any calculations by the customer.	DRAWN BY: C.B.	PROJECT: SLIDELL MUNICIPAL MARINA SLIDELL, LOUISIANA TITLE: GAZEBO AND GANGWAY PLAN VIEW SECTION A	MARINETEK NORTH AMERICA INC. 222 14th Avenue South St. Petersburg, Florida 33701 Tel: (877) 909-3625 Web: www.marinetek.net	PROJECT: 0415	
REV: 02	DESC: REVISED SUBMITTAL	DATE: 2017/08/31	BY: C.B.		APPROVED BY: R.M.			DWG: 0415LGE04	
REV: -	DESC: -	DATE: -	BY: -		REFERENCE: -			DATE: 2017-07-26	REV: 02

SUBMITTAL

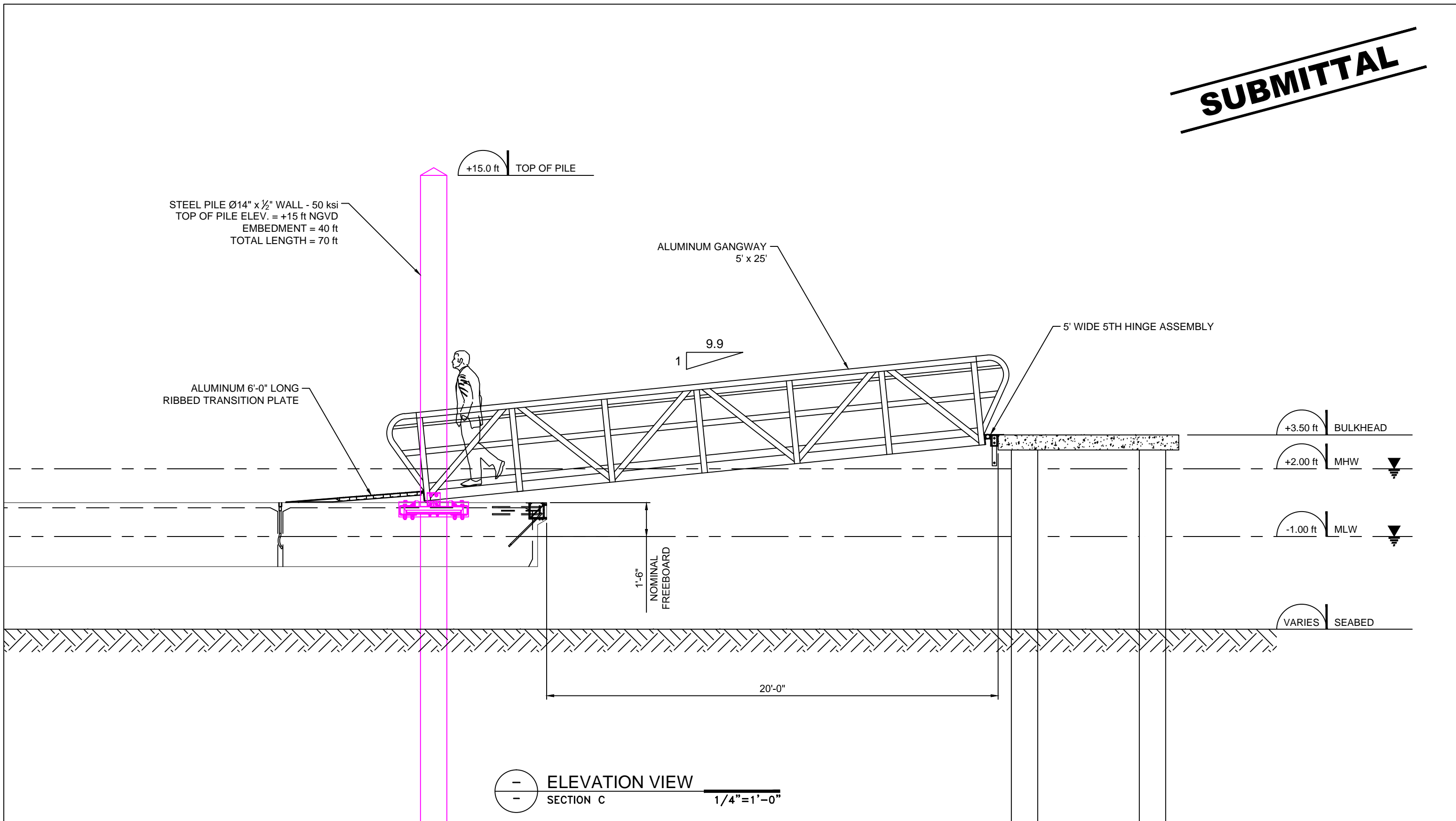
GAZEBO STRUCTURE
(DWG POLIGON #15734)



ELEVATION VIEW
SECTION A $1/4" = 1'-0"$

REV: 01	DESC: REVISED SUBMITTAL	DATE: 2017/08/15	BY: C.B.	PROPERTY INFORMATION Drawings, schemes or other designs produced or delivered by Marinetek North America Inc. relating to the Products are the sole property of Marinetek and may not be used or utilized without a prior written approval by Marinetek. All dimensions are nominal and should not be used as basis of any calculations by the customer.	DRAWN BY: C.B.	PROJECT: SLIDELL MUNICIPAL MARINA SLIDELL, LOUISIANA	MARINETEK NORTH AMERICA INC. 222 14th Avenue South St. Petersburg, Florida 33701 Tel: (877) 909-3625 Web: www.marinetek.net	PROJECT: 0415	
REV: 02	DESC: REVISED SUBMITTAL	DATE: 2017/08/31	BY: C.B.		APPROVED BY: R.M.			TITLE: GANGWAY ELEVATION VIEW SECTION A	DWG: 0415LGE05
REV: -	DESC: -	DATE: -	BY: -		REFERENCE: -			DATE: 2017-07-26	REV: 02

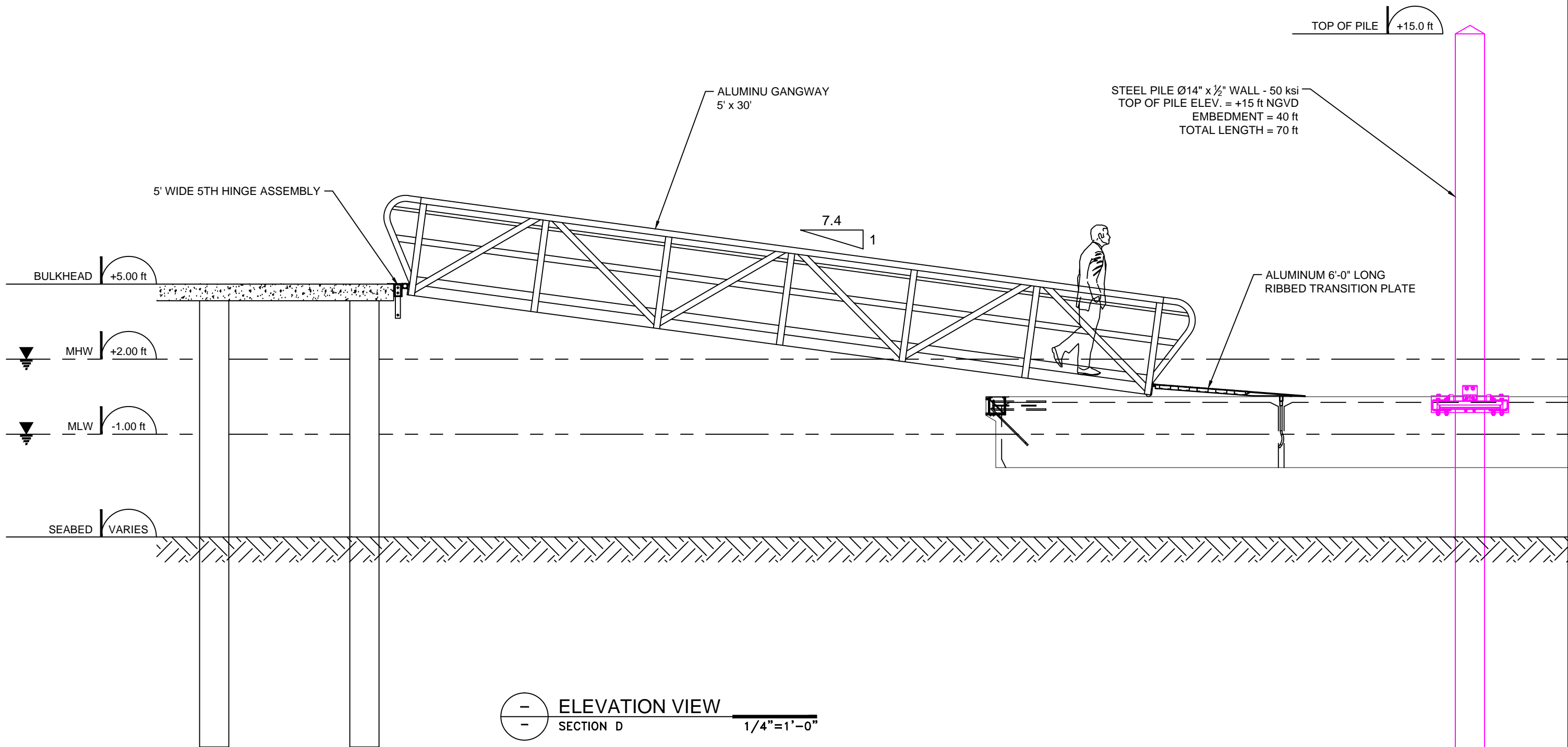
SUBMITTAL



— ELEVATION VIEW
 — SECTION C
 1/4" = 1'-0"

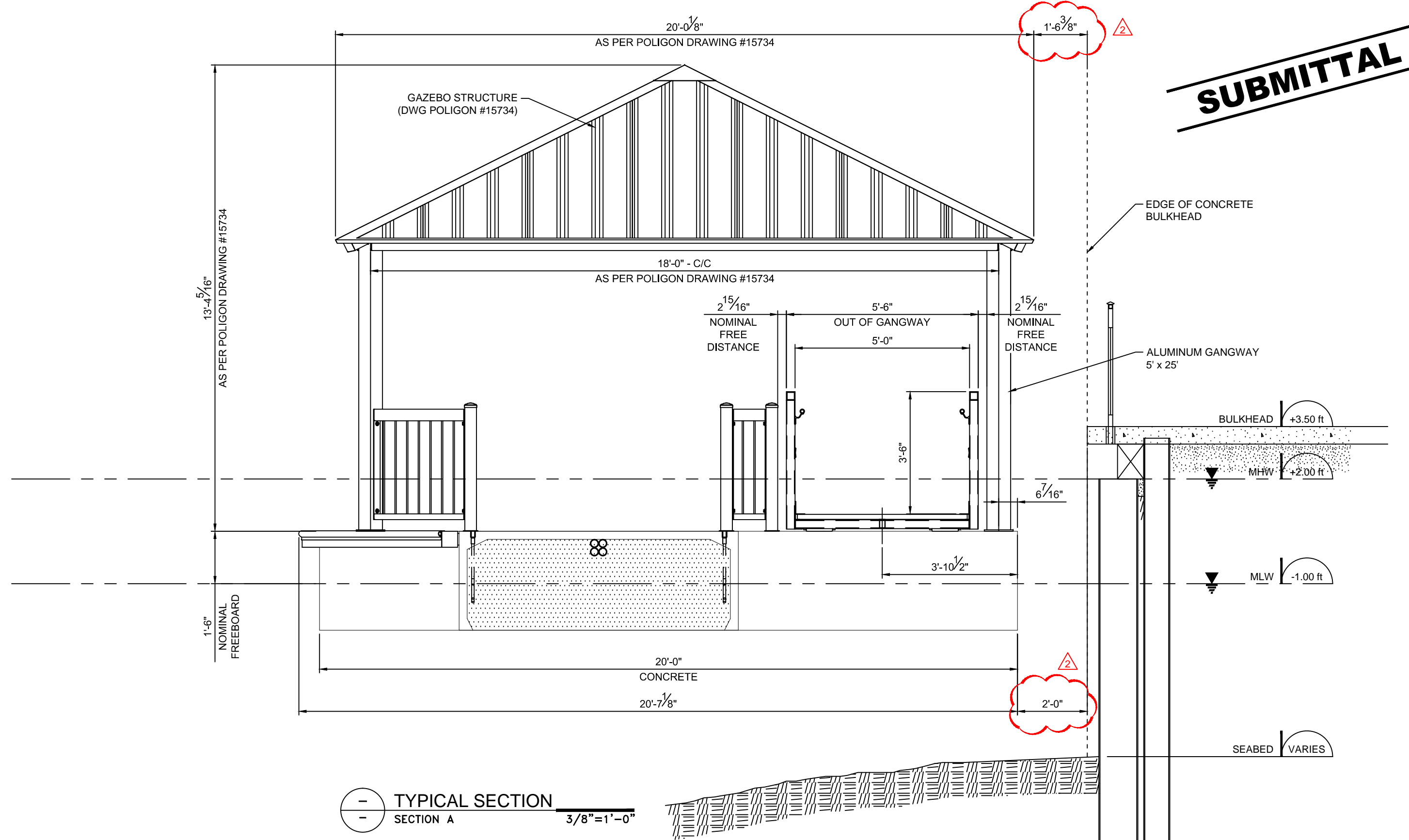
REV: 01	DESC: REVISED SUBMITTAL	DATE: 2017/08/15	BY: C.B.	PROPERTY INFORMATION Drawings, schemes or other designs produced or delivered by Marinetek North America Inc. relating to the Products are the sole property of Marinetek and may not be used or utilized without a prior written approval by Marinetek. All dimensions are nominal and should not be used as basis of any calculations by the customer.	DRAWN BY: C.B.	PROJECT: SLIDELL MUNICIPAL MARINA SLIDELL, LOUISIANA	 MARINETEK NORTH AMERICA INC. 222 14th Avenue South St. Petersburg, Florida 33701 Tel: (877) 909-3625 Web: www.marinetek.net	PROJECT: 0415
REV: 02	DESC: REVISED SUBMITTAL	DATE: 2017/08/31	BY: C.B.		APPROVED BY: R.M.			TITLE: GANGWAY ELEVATION VIEW SECTION C
REV: -	DESC: -	DATE: -	BY: -		REFERENCE: -			DATE: 2017-07-26

SUBMITTAL



REV: 01	DESC: REVISED SUBMITTAL	DATE: 2017/08/15	BY: C.B.	PROPERTY INFORMATION Drawings, schemes or other designs produced or delivered by Marinetek North America Inc. relating to the Products are the sole property of Marinetek and may not be used or utilized without a prior written approval by Marinetek. All dimensions are nominal and should not be used as basis of any calculations by the customer.	DRAWN BY: C.B.	PROJECT: SLIDELL MUNICIPAL MARINA SLIDELL, LOUISIANA	 MARINETEK NORTH AMERICA INC. 222 14th Avenue South St. Petersburg, Florida 33701 Tel: (877) 909-3625 Web: www.marinetek.net	PROJECT: 0415
REV: 02	DESC: REVISED SUBMITTAL	DATE: 2017/08/31	BY: C.B.		APPROVED BY: R.M.			TITLE: GANGWAY ELEVATION VIEW SECTION D
REV: -	DESC: -	DATE: -	BY: -		REFERENCE: -			DATE: 2017-07-26

SUBMITTAL



— TYPICAL SECTION
 — SECTION A
 3/8" = 1'-0"

REV: 01	DESC: REVISED SUBMITTAL	DATE: 2017/08/31	BY: C.B.	PROPERTY INFORMATION Drawings, schemes or other designs produced or delivered by Marinetek North America Inc. relating to the Products are the sole property of Marinetek and may not be used or utilized without a prior written approval by Marinetek. All dimensions are nominal and should not be used as basis of any calculations by the customer.	DRAWN BY: C.B.	PROJECT: SLIDELL MUNICIPAL MARINA SLIDELL, LOUISIANA TITLE: GAZEBO/GANGWAY TYPICAL SECTION SECTION A	MARINETEK MARINETEK NORTH AMERICA INC. 222 14th Avenue South St. Petersburg, Florida 33701 Tel: (877) 909-3625 Web: www.marinetek.net	PROJECT: 0415
REV: -	DESC: -	DATE: -	BY: -		APPROVED BY: R.M.			DWG: 0415LGE08
REV: -	DESC: -	DATE: -	BY: -		REFERENCE: -			DATE: 2017/08/15

LEGEND:

FLOATING CONCRETE HD MAIN DOCK WITH TIMBER PINE FENDER
4" x 6" NOMINAL + WHITE PVC "P" FENDER (ON EXPOSED SIDE ONLY)

FLOATING CONCRETE HD FINGER DOCK WITH TIMBER PINE FENDER
2" x 6" NOMINAL + WHITE PVC "P" FENDER (ON EXPOSED SIDE ONLY)

FLOATING ALUMINUM SUBSTATION DOCK

ALU. FLOATSTEP LADDER
4 STEP - on CONCRETE DOCK
QUANTITY = 5

HDG EXTERNAL PILE GUIDE WITH PADS
STEEL PILE Ø14" x 1/2" WALL - 50 ksi
TOP OF PILE ELEV. = +15 ft NGVD
MINIMUM EMBEDMENT = 31 ft
TOTAL LENGTH = 54 ft
QUANTITY = 18

120/240V PANELBOARD (550 lbs)
40" x 15" x 76"
QUANTITY = 2

JACK KIOSK (225lbs)
CREDIT CARD READER
TOUCH-CONTROLLED INTERFACE SCREEN
INTERNAL RELAY-BASED
CONTROLLER BOARD
QUANTITY = 2

P1 HARBOR LIGHT SS (70 lbs)
SIDE 1 : 30A 125V - 20A 125V GFC1
50A 125/250V, 3/4" WATER
SIDE 2 : 30A 125V - 20A 125V GFC1
50A 125/250V, 3/4" WATER
QUANTITY = 10

P2 HARBOR LIGHT SS (70 lbs)
SIDE 1 : 30A 125V - 20A 125V GFC1
50A 125/250V, 3/4" WATER
SIDE 2 : BLANK
QUANTITY = 8

SEWER PUMP (285 lbs)
25" x 32" x 40"
QUANTITY = 1

PORTABLE ALUMINUM HOSE CART
42" x 29" x 41"
QUANTITY = 1

PEDESTAL CABLE #8 TYPE G-GC
O.D. 0.99" (0.661 lb/ft)

PEDESTAL CABLE #4 TYPE G-GC
O.D. 1.12" (1.013 lb/ft)

PEDESTAL CABLE #2 TYPE G-GC
O.D. 1.29" (1.413 lb/ft)

PEDESTAL CABLE #1 TYPE G-GC
O.D. 1.41" (1.716 lb/ft)

PEDESTAL CABLE #1/0 TYPE G-GC
O.D. 1.54" (2.096 lb/ft)

PEDESTAL CABLE #2/0 TYPE G-GC
O.D. 1.60" (2.466 lb/ft)

PEDESTAL CABLE #3/0 TYPE G-GC
O.D. 1.74" (2.982 lb/ft)

WATER LINE 1/4"
O.D. 1.660", I.D. 1.360"
WEIGHT = 1.00 lb/ft

PEDESTAL CABLE #4 TYPE G
O.D. 1.27" (1.378 lb/ft)

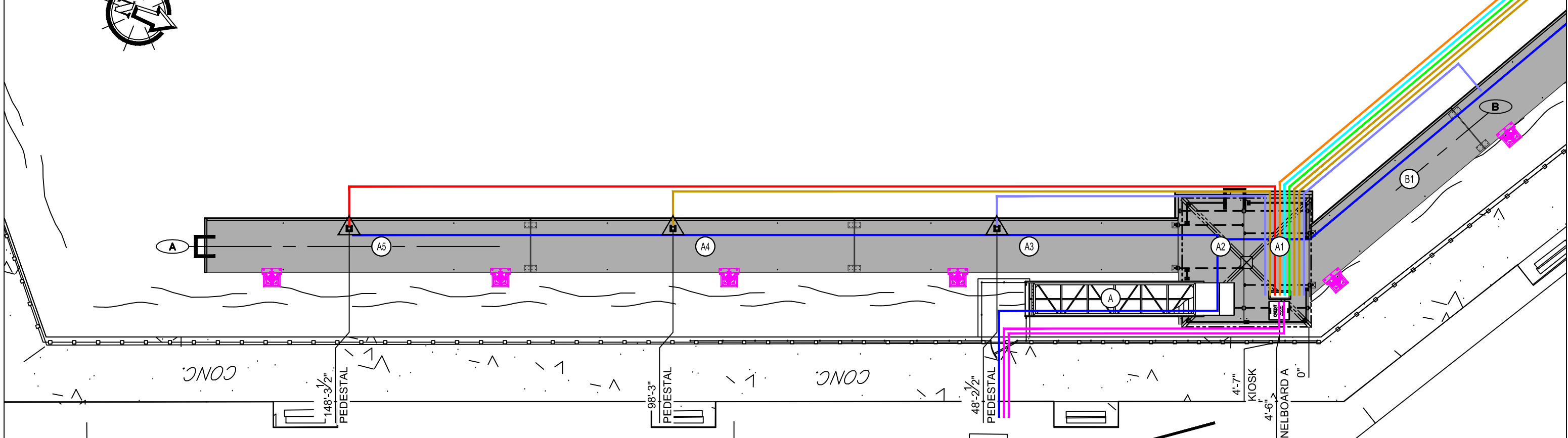
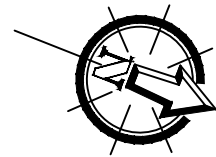
PEDESTAL CABLE #2 TYPE G
O.D. 1.48" (1.914 lb/ft)

PEDESTAL CABLE #1 TYPE G
O.D. 1.68" (2.311 lb/ft)

PEDESTAL CABLE #4/0 TYPE G
O.D. 2.26" (4.925 lb/ft)

2" SUCTION PLUMBING
O.D. 2.375", I.D. 2.047"
WEIGHT = 0.803 lb/ft

3" SUCTION PLUMBING
O.D. 3.500", I.D. 3.042"
WEIGHT = 1.660 lb/ft



PLAN VIEW
SECTION A
1"=15'-0"

REV: 01	DESC: GAZEBO AND GANGWAY	DATE: 2017-07-26	BY: C.B.	PROPERTY INFORMATION Drawings, schemes or other designs produced or delivered by Marinetek North America Inc. relating to the Products are the sole property of Marinetek and may not be used or utilized without a prior written approval by Marinetek. All dimensions are nominal and should not be used as basis of any calculations by the customer.	DRAWN BY: C.B.	PROJECT: SLIDELL MUNICIPAL MARINA SLIDELL, LOUISIANA	MARINETEK MARINETEK NORTH AMERICA INC. 222 14th Avenue South St. Petersburg, Florida 33701 Tel: (877) 909-3625 Web: www.marinetek.net	PROJECT: 0415	
REV: 02	DESC: REVISED SUBMITTAL	DATE: 2017/08/15	BY: C.B.		APPROVED BY: R.M.			TITLE: UTILITY LAYOUT SECTION A SUBMITTAL	DWG: 0415LUT01
REV: 03	DESC: REVISED SUBMITTAL	DATE: 2017/08/31	BY: C.B.		REFERENCE: -				DATE: 2017-06-06

LEGEND:

FLOATING CONCRETE HD MAIN DOCK WITH TIMBER PINE FENDER
4" x 6" NOMINAL + WHITE PVC "P" FENDER (ON EXPOSED SIDE ONLY)

FLOATING CONCRETE HD FINGER DOCK WITH TIMBER PINE FENDER
2" x 6" NOMINAL + WHITE PVC "P" FENDER (ON EXPOSED SIDE ONLY)

FLOATING ALUMINUM SUBSTATION DOCK

ALU. FLOATSTEP LADDER
4 STEP - on CONCRETE DOCK
QUANTITY = 5

HDG EXTERNAL PILE GUIDE WITH PADS
STEEL PILE Ø14" x 1/2" WALL - 50 ksi
TOP OF PILE ELEV. = +15 ft NGVD
MINIMUM EMBEDMENT = 31 ft
TOTAL LENGTH = 54 ft
QUANTITY = 18

120/240V PANELBOARD (550 lbs)
40" x 15" x 76"
QUANTITY = 2

JACK KIOSK (225lbs)
CREDIT CARD READER
TOUCH-CONTROLLED INTERFACE SCREEN
INTERNAL RELAY-BASED
CONTROLLER BOARD
QUANTITY = 2

P1 HARBOR LIGHT SS (70 lbs)
SIDE 1 : 30A 125V - 20A 125V GFC1
50A 125/250V, 3/4" WATER
SIDE 2 : 30A 125V - 20A 125V GFC1
50A 125/250V, 3/4" WATER
QUANTITY = 10

P2 HARBOR LIGHT SS (70 lbs)
SIDE 1 : 30A 125V - 20A 125V GFC1
50A 125/250V, 3/4" WATER
SIDE 2 : BLANK
QUANTITY = 8

SEWER PUMP (285 lbs)
25" x 32" x 40"
QUANTITY = 1

PORTABLE ALUMINUM HOSE CART
42" x 29" x 41"
QUANTITY = 1

PEDESTAL CABLE #8 TYPE G-GC
O.D. 0.99" (0.661 lb/ft)

PEDESTAL CABLE #4 TYPE G-GC
O.D. 1.12" (1.013 lb/ft)

PEDESTAL CABLE #2 TYPE G-GC
O.D. 1.29" (1.413 lb/ft)

PEDESTAL CABLE #1 TYPE G-GC
O.D. 1.41" (1.716 lb/ft)

PEDESTAL CABLE #1/0 TYPE G-GC
O.D. 1.54" (2.096 lb/ft)

PEDESTAL CABLE #2/0 TYPE G-GC
O.D. 1.60" (2.466 lb/ft)

PEDESTAL CABLE #3/0 TYPE G-GC
O.D. 1.74" (2.982 lb/ft)

WATER LINE 1/4"
O.D. 1.660", I.D. 1.360"
WEIGHT = 1.00 lb/ft

PEDESTAL CABLE #4 TYPE G
O.D. 1.27" (1.378 lb/ft)

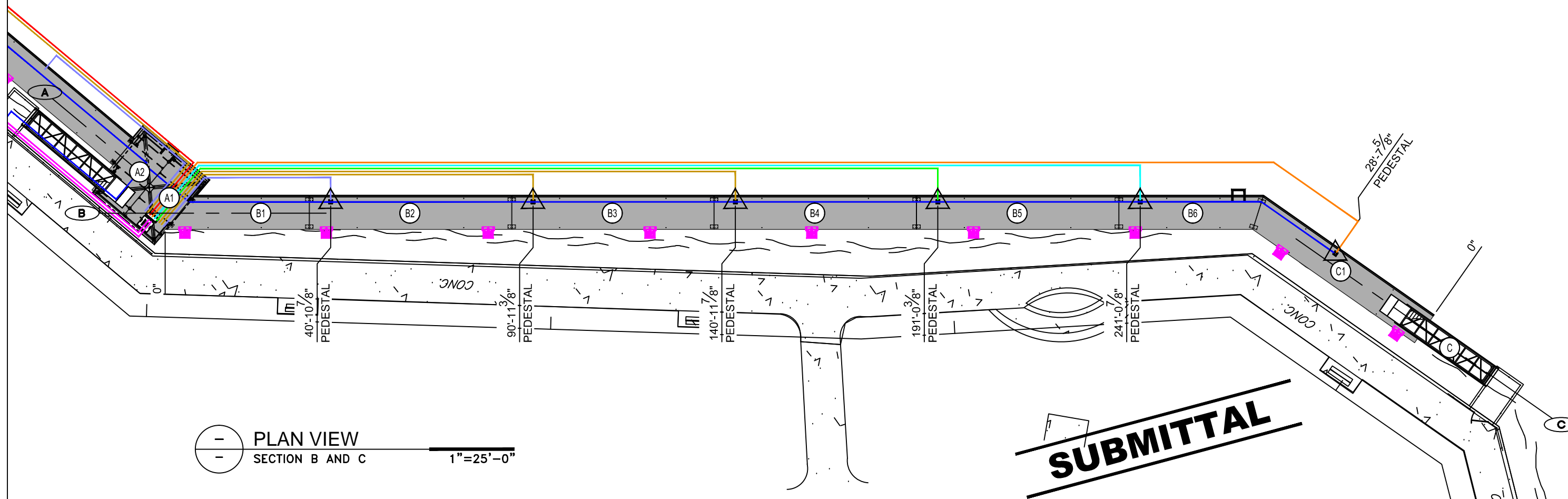
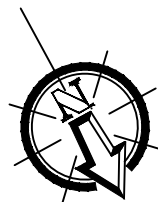
PEDESTAL CABLE #2 TYPE G
O.D. 1.48" (1.914 lb/ft)

PEDESTAL CABLE #1 TYPE G
O.D. 1.68" (2.311 lb/ft)

PEDESTAL CABLE #4/0 TYPE G
O.D. 2.26" (4.925 lb/ft)

2" SUCTION PLUMBING
O.D. 2.375", I.D. 2.047"
WEIGHT = 0.803 lb/ft

3" SUCTION PLUMBING
O.D. 3.500", I.D. 3.042"
WEIGHT = 1.660 lb/ft



PLAN VIEW
SECTION B AND C
1"=25'-0"

REV: 01	DESC: REVISED SUBMITTAL	DATE: 2017/08/15	BY: C.B.	PROPERTY INFORMATION Drawings, schemes or other designs produced or delivered by Marinetek North America Inc. relating to the Products are the sole property of Marinetek and may not be used or utilized without a prior written approval by Marinetek. All dimensions are nominal and should not be used as basis of any calculations by the customer.	DRAWN BY: C.B.	PROJECT: SLIDELL MUNICIPAL MARINA SLIDELL, LOUISIANA TITLE: UTILITY LAYOUT SECTION B AND C SUBMITTAL	 MARINETEK NORTH AMERICA INC. 222 14th Avenue South St. Petersburg, Florida 33701 Tel: (877) 909-3625 Web: www.marinetek.net	PROJECT: 0415
REV: 02	DESC: REVISED SUBMITTAL	DATE: 2017/08/31	BY: C.B.		APPROVED BY: R.M.			DWG: 0415LUT02
REV: -	DESC: -	DATE: -	BY: -		REFERENCE: -			DATE: 2017-06-06

LEGEND:

FLOATING CONCRETE HD MAIN DOCK WITH TIMBER PINE FENDER
4" x 6" NOMINAL + WHITE PVC "P" FENDER (ON EXPOSED SIDE ONLY)

FLOATING CONCRETE HD FINGER DOCK WITH TIMBER PINE FENDER
2" x 6" NOMINAL + WHITE PVC "P" FENDER (ON EXPOSED SIDE ONLY)

FLOATING ALUMINUM SUBSTATION DOCK

ALU. FLOATSTEP LADDER
4 STEP - on CONCRETE DOCK
QUANTITY = 5

HDG EXTERNAL PILE GUIDE WITH PADS
STEEL PILE Ø14" x 1/2" WALL - 50 ksi
TOP OF PILE ELEV. = +15 ft NGVD
MINIMUM EMBEDMENT = 31 ft
TOTAL LENGTH = 54 ft
QUANTITY = 18

120/240V PANELBOARD (550 lbs)
40" x 15" x 76"
QUANTITY = 2

JACK KIOSK (225lbs)
CREDIT CARD READER
TOUCH-CONTROLLED INTERFACE SCREEN
INTERNAL RELAY-BASED
CONTROLLER BOARD
QUANTITY = 2

P1 HARBOR LIGHT SS (70 lbs)
SIDE 1 : 30A 125V - 20A 125V GFC1
50A 125/250V, 3/4" WATER
SIDE 2 : 30A 125V - 20A 125V GFC1
50A 125/250V, 3/4" WATER
QUANTITY = 10

P2 HARBOR LIGHT SS (70 lbs)
SIDE 1 : 30A 125V - 20A 125V GFC1
50A 125/250V, 3/4" WATER
SIDE 2 : BLANK
QUANTITY = 8

SEWER PUMP (285 lbs)
25" x 32" x 40"
QUANTITY = 1

PORTABLE ALUMINUM HOSE CART
42" x 29" x 41"
QUANTITY = 1

PEDESTAL CABLE #8 TYPE G-GC
O.D. 0.99" (0.661 lb/ft)

PEDESTAL CABLE #4 TYPE G-GC
O.D. 1.12" (1.013 lb/ft)

PEDESTAL CABLE #2 TYPE G-GC
O.D. 1.29" (1.413 lb/ft)

PEDESTAL CABLE #1 TYPE G-GC
O.D. 1.41" (1.716 lb/ft)

PEDESTAL CABLE #1/0 TYPE G-GC
O.D. 1.54" (2.096 lb/ft)

PEDESTAL CABLE #2/0 TYPE G-GC
O.D. 1.60" (2.466 lb/ft)

PEDESTAL CABLE #3/0 TYPE G-GC
O.D. 1.74" (2.982 lb/ft)

WATER LINE 1/4"
O.D. 1.660", I.D. 1.360"
WEIGHT = 1.00 lb/ft

PEDESTAL CABLE #4 TYPE G
O.D. 1.27" (1.378 lb/ft)

PEDESTAL CABLE #2 TYPE G
O.D. 1.48" (1.914 lb/ft)

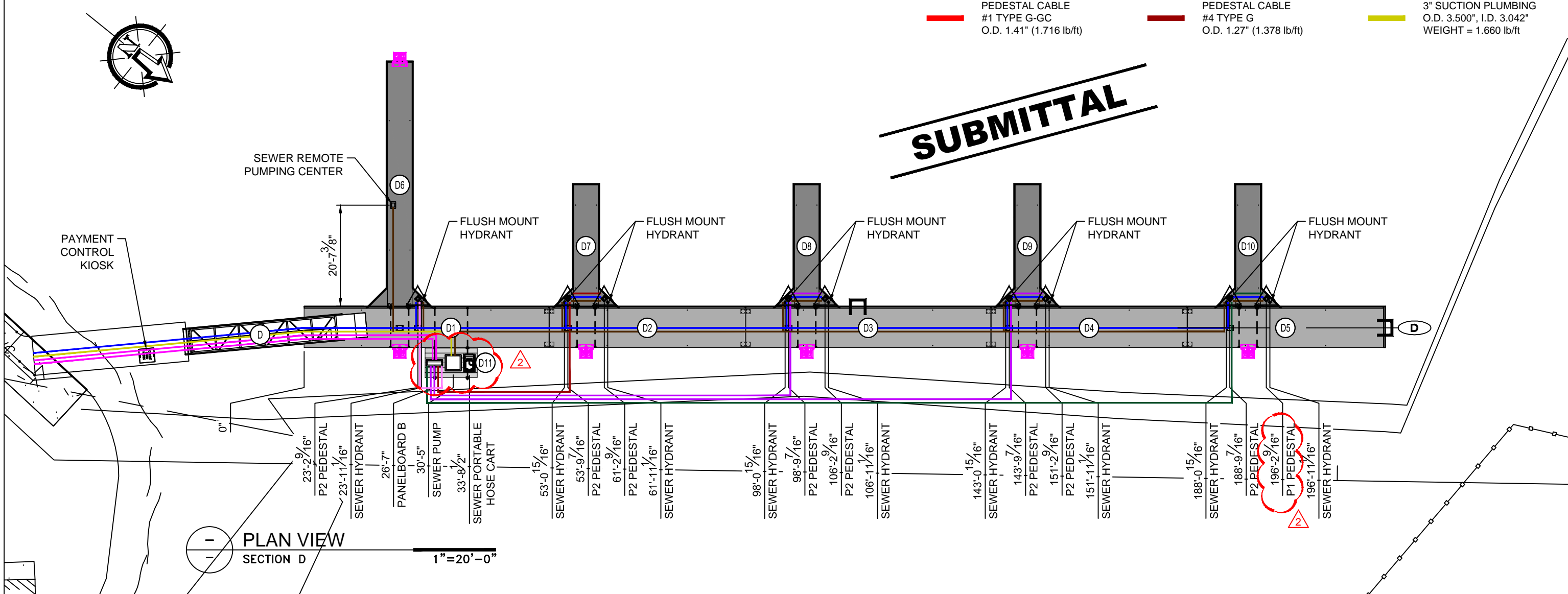
PEDESTAL CABLE #1 TYPE G
O.D. 1.68" (2.311 lb/ft)

PEDESTAL CABLE #4/0 TYPE G
O.D. 2.26" (4.925 lb/ft)

2" SUCTION PLUMBING
O.D. 2.375", I.D. 2.047"
WEIGHT = 0.803 lb/ft

3" SUCTION PLUMBING
O.D. 3.500", I.D. 3.042"
WEIGHT = 1.660 lb/ft




SUBMITTAL






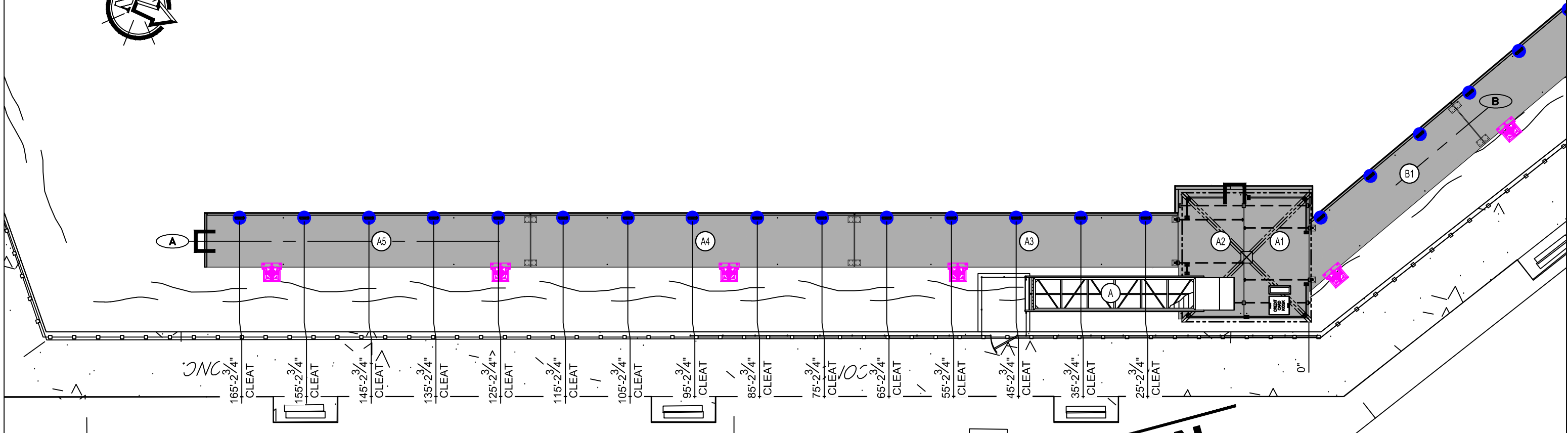
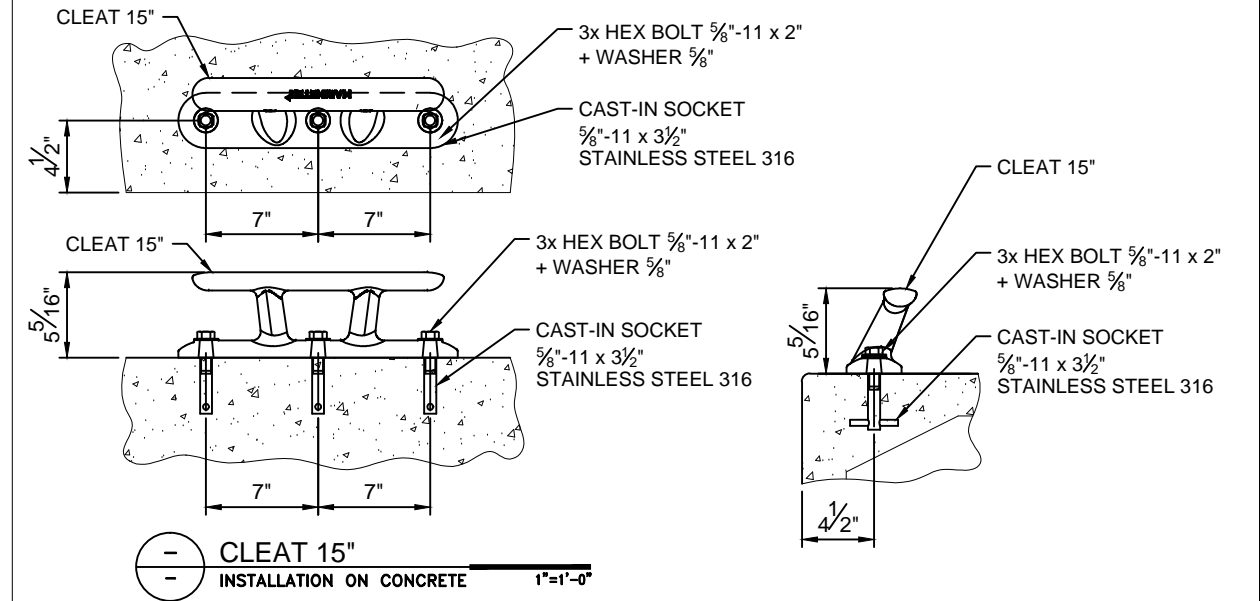
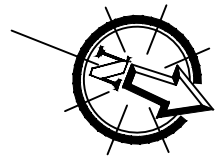
PLAN VIEW
SECTION D
1" = 20'-0"

REV: 01	DESC: FLUSH MOUNT HYDRANT	DATE: 2017/08/15	BY: C.B.	PROPERTY INFORMATION Drawings, schemes or other designs produced or delivered by Marinetek North America Inc. relating to the Products are the sole property of Marinetek and may not be used or utilized without a prior written approval by Marinetek. All dimensions are nominal and should not be used as basis of any calculations by the customer.	DRAWN BY: C.B.	PROJECT: SLIDELL MUNICIPAL MARINA SLIDELL, LOUISIANA	 MARINETEK NORTH AMERICA INC. 222 14th Avenue South St. Petersburg, Florida 33701 Tel: (877) 909-3625 Web: www.marinetek.net	PROJECT: 0415	
REV: 02	DESC: REVISED SUBMITTAL	DATE: 2017/08/31	BY: C.B.		APPROVED BY: R.M.			TITLE: UTILITY LAYOUT SECTION D SUBMITTAL	DWG: 0415LUT03
REV: -	DESC: -	DATE: -	BY: -		REFERENCE: -				DATE: 2017-06-06

LEGEND:


-  FLOATING CONCRETE HD MAIN DOCK WITH TIMBER PINE FENDER 4" x 6" NOMINAL + WHITE PVC "P" FENDER (ON EXPOSED SIDE ONLY)
-  FLOATING CONCRETE HD FINGER DOCK WITH TIMBER PINE FENDER 2" x 6" NOMINAL + WHITE PVC "P" FENDER (ON EXPOSED SIDE ONLY)
-  FLOATING ALUMINUM SUBSTATION DOCK

-  HDG EXTERNAL PILE GUIDE WITH PADS STEEL PILE Ø14" x 1/2" WALL - 50 ksi TOP OF PILE ELEV. = +15 ft NGVD EMBEDMENT = 40 ft TOTAL LENGTH = 70 ft QUANTITY = 19
-  ALU. FLOATSTEP LADDER 4 STEP - on CONCRETE DOCK QUANTITY = 5
-  MOORING CLEAT 15" QUANTITY = 89









 PLAN VIEW
 SECTION A
 1"=15'-0"

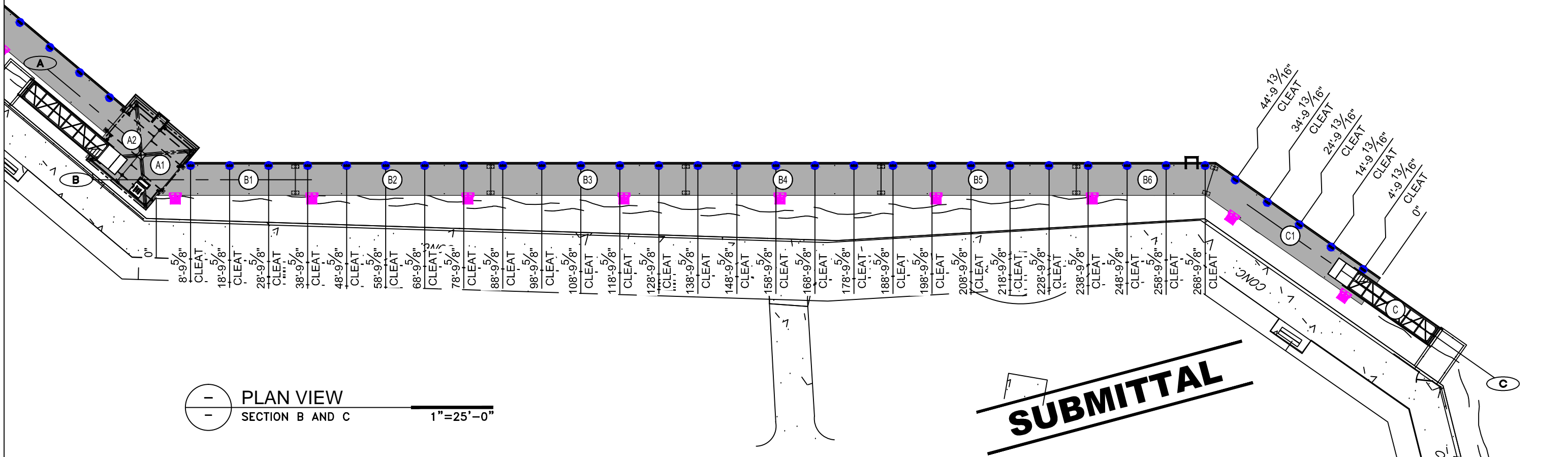
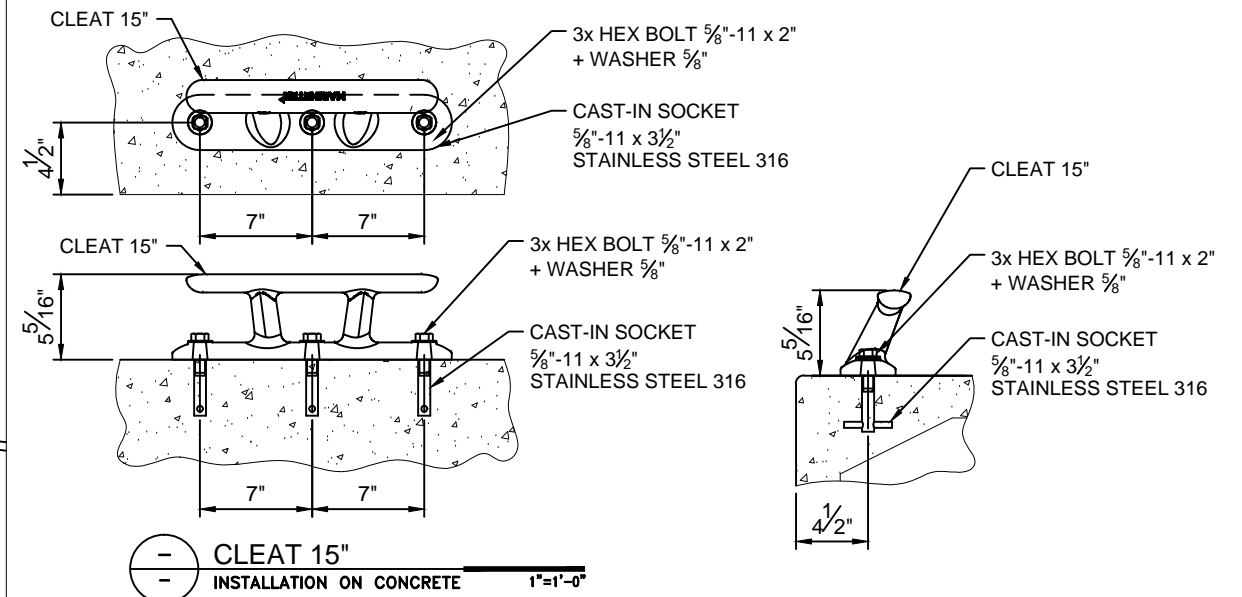
SUBMITTAL

REV: 01	DESC: GAZEBO AND GANGWAY	DATE: 2017-07-26	BY: C.B.	PROPERTY INFORMATION Drawings, schemes or other designs produced or delivered by Marinetek North America Inc. relating to the Products are the sole property of Marinetek and may not be used or utilized without a prior written approval by Marinetek. All dimensions are nominal and should not be used as basis of any calculations by the customer.	DRAWN BY: C.B.	PROJECT: SLIDELL MUNICIPAL MARINA SLIDELL, LOUISIANA	 MARINETEK NORTH AMERICA INC. 222 14th Avenue South St. Petersburg, Florida 33701 Tel: (877) 909-3625 Web: www.marinetek.net	PROJECT: 0415	
REV: 02	DESC: ADD CLEAT	DATE: 2017/08/15	BY: C.B.		APPROVED BY: R.M.			TITLE: CLEAT LAYOUT SECTION A SUBMITTAL	DWG: 0415LMC01
REV: 03	DESC: REVISED SUBMITTAL	DATE: 2017/08/31	BY: C.B.		REFERENCE: -				DATE: 2017-06-06

LEGEND:


-  FLOATING CONCRETE HD MAIN DOCK WITH TIMBER PINE FENDER 4" x 6" NOMINAL + WHITE PVC "P" FENDER (ON EXPOSED SIDE ONLY)
-  FLOATING CONCRETE HD FINGER DOCK WITH TIMBER PINE FENDER 2" x 6" NOMINAL + WHITE PVC "P" FENDER (ON EXPOSED SIDE ONLY)
-  FLOATING ALUMINUM SUBSTATION DOCK

-  HDG EXTERNAL PILE GUIDE WITH PADS
STEEL PILE Ø14" x 1/2" WALL - 50 ksi
TOP OF PILE ELEV. = +15 ft NGVD
EMBEDMENT = 40 ft
TOTAL LENGTH = 70 ft
QUANTITY = 19
-  ALU. FLOATSTEP LADDER 4 STEP - on CONCRETE DOCK
QUANTITY = 5
-  MOORING CLEAT 15"
QUANTITY = 89









 PLAN VIEW
 SECTION B AND C
 1"=25'-0"

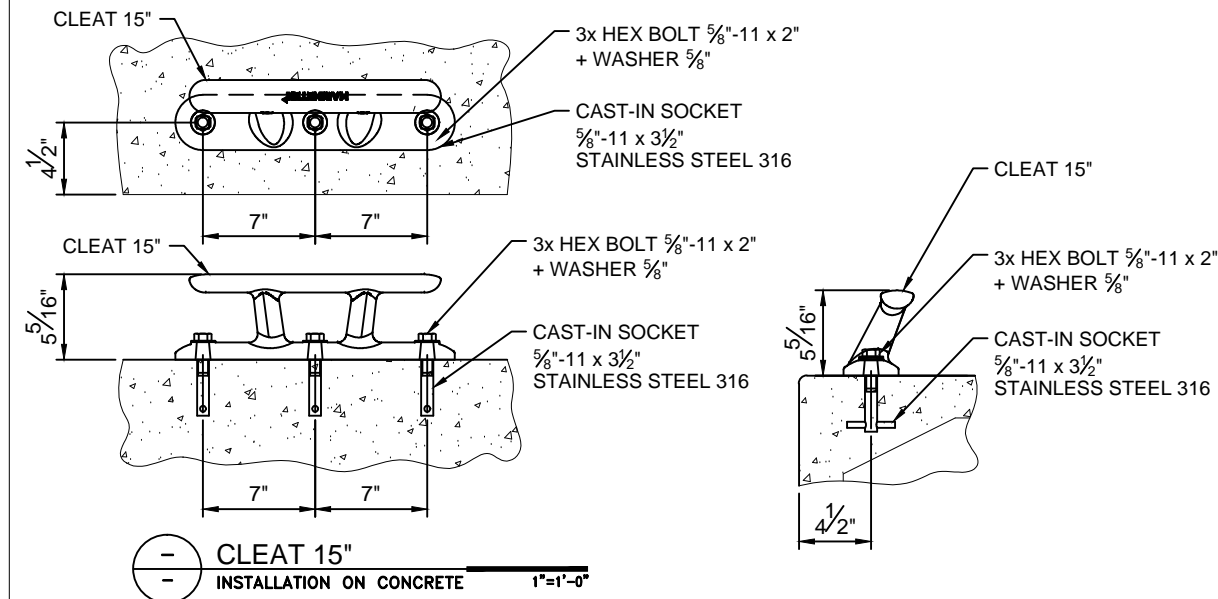
SUBMITTAL

REV: 01	DESC: ADD CLEAT	DATE: 2017/08/15	BY: C.B.	PROPERTY INFORMATION Drawings, schemes or other designs produced or delivered by Marinetek North America Inc. relating to the Products are the sole property of Marinetek and may not be used or utilized without a prior written approval by Marinetek. All dimensions are nominal and should not be used as basis of any calculations by the customer.	DRAWN BY: C.B.	PROJECT: SLIDELL MUNICIPAL MARINA SLIDELL, LOUISIANA	 MARINETEK NORTH AMERICA INC. 222 14th Avenue South St. Petersburg, Florida 33701 Tel: (877) 909-3625 Web: www.marinetek.net	PROJECT: 0415	
REV: 02	DESC: REVISED SUBMITTAL	DATE: 2017/08/31	BY: C.B.		APPROVED BY: R.M.			TITLE: CLEAT LAYOUT SECTION B AND C SUBMITTAL	DWG: 0415LMC02
REV: -	DESC: -	DATE: -	BY: -		REFERENCE: -				DATE: 2017-06-06 REV: 02

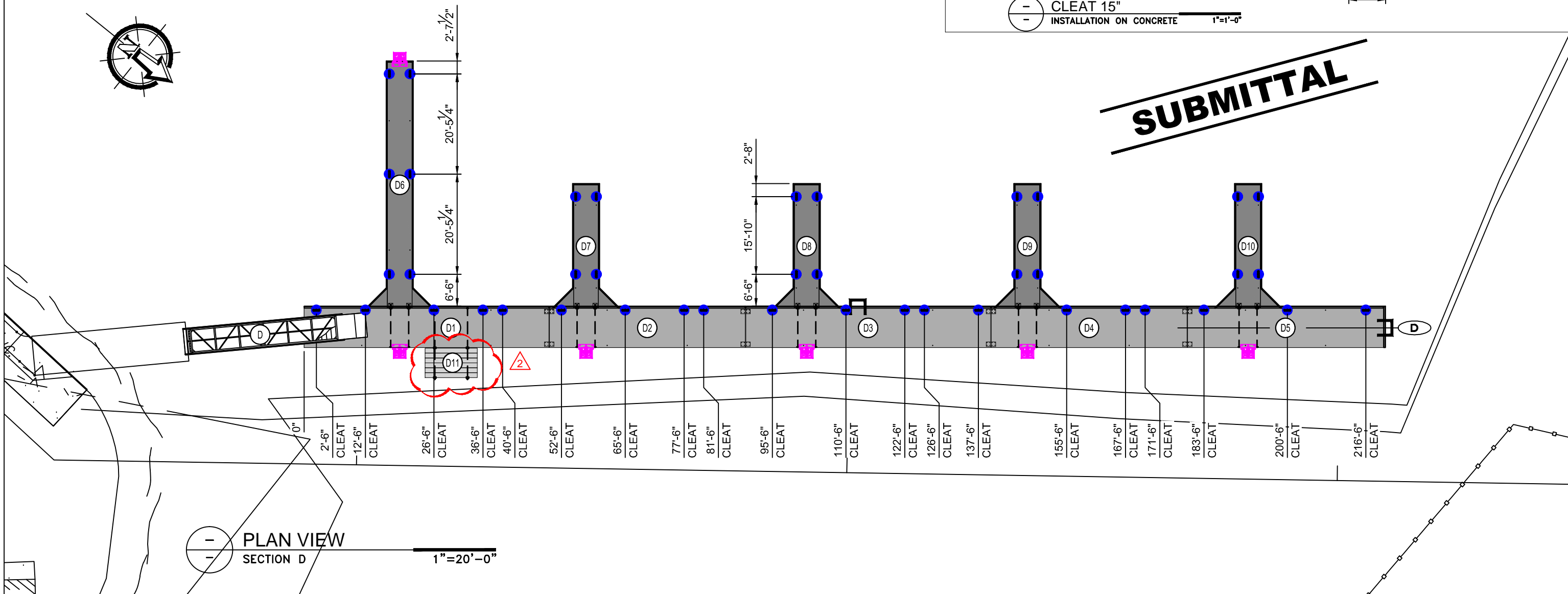
LEGEND:


-  FLOATING CONCRETE HD MAIN DOCK WITH TIMBER PINE FENDER
4" x 6" NOMINAL + WHITE PVC "P" FENDER (ON EXPOSED SIDE ONLY)
-  FLOATING CONCRETE HD FINGER DOCK WITH TIMBER PINE FENDER
2" x 6" NOMINAL + WHITE PVC "P" FENDER (ON EXPOSED SIDE ONLY)
-  FLOATING ALUMINUM SUBSTATION DOCK

-  HDG EXTERNAL PILE GUIDE WITH PADS
STEEL PILE Ø14" x 1/2" WALL - 50 ksi
TOP OF PILE ELEV. = +15 ft NGVD
EMBEDMENT = 40 ft
TOTAL LENGTH = 70 ft
QUANTITY = 19
-  ALU. FLOATSTEP LADDER
4 STEP - on CONCRETE DOCK
QUANTITY = 5
-  MOORING CLEAT 15"
QUANTITY = 89



SUBMITTAL

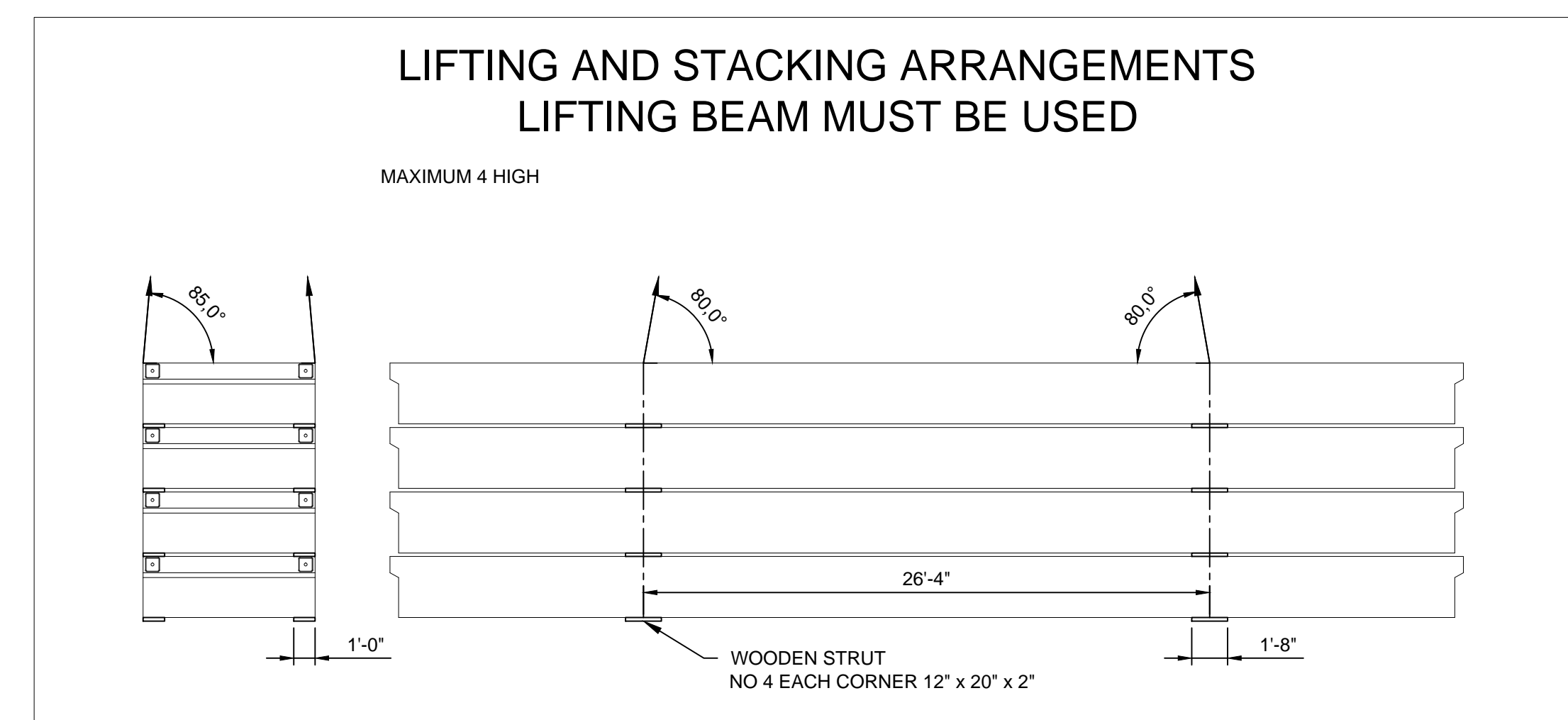
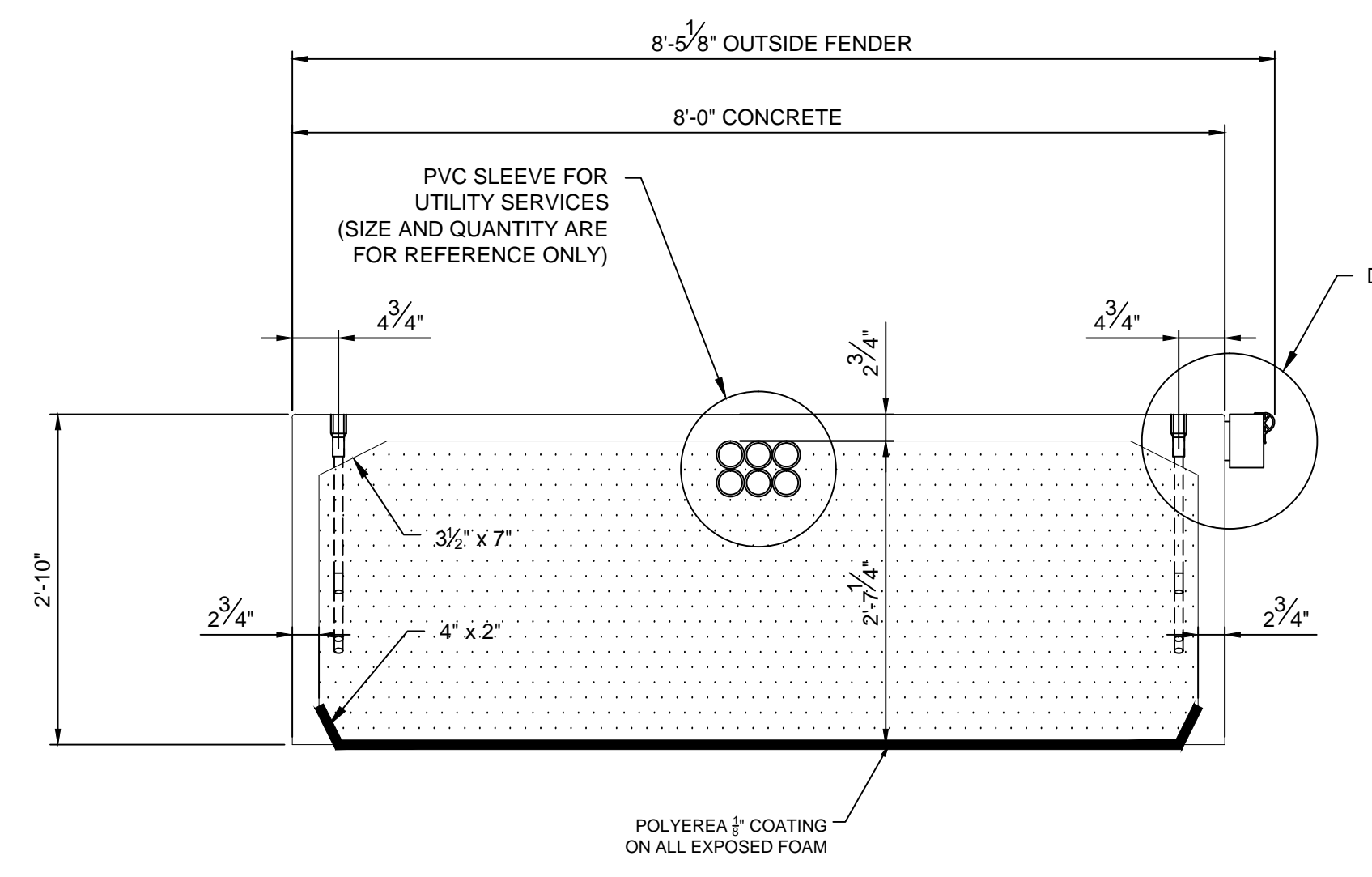
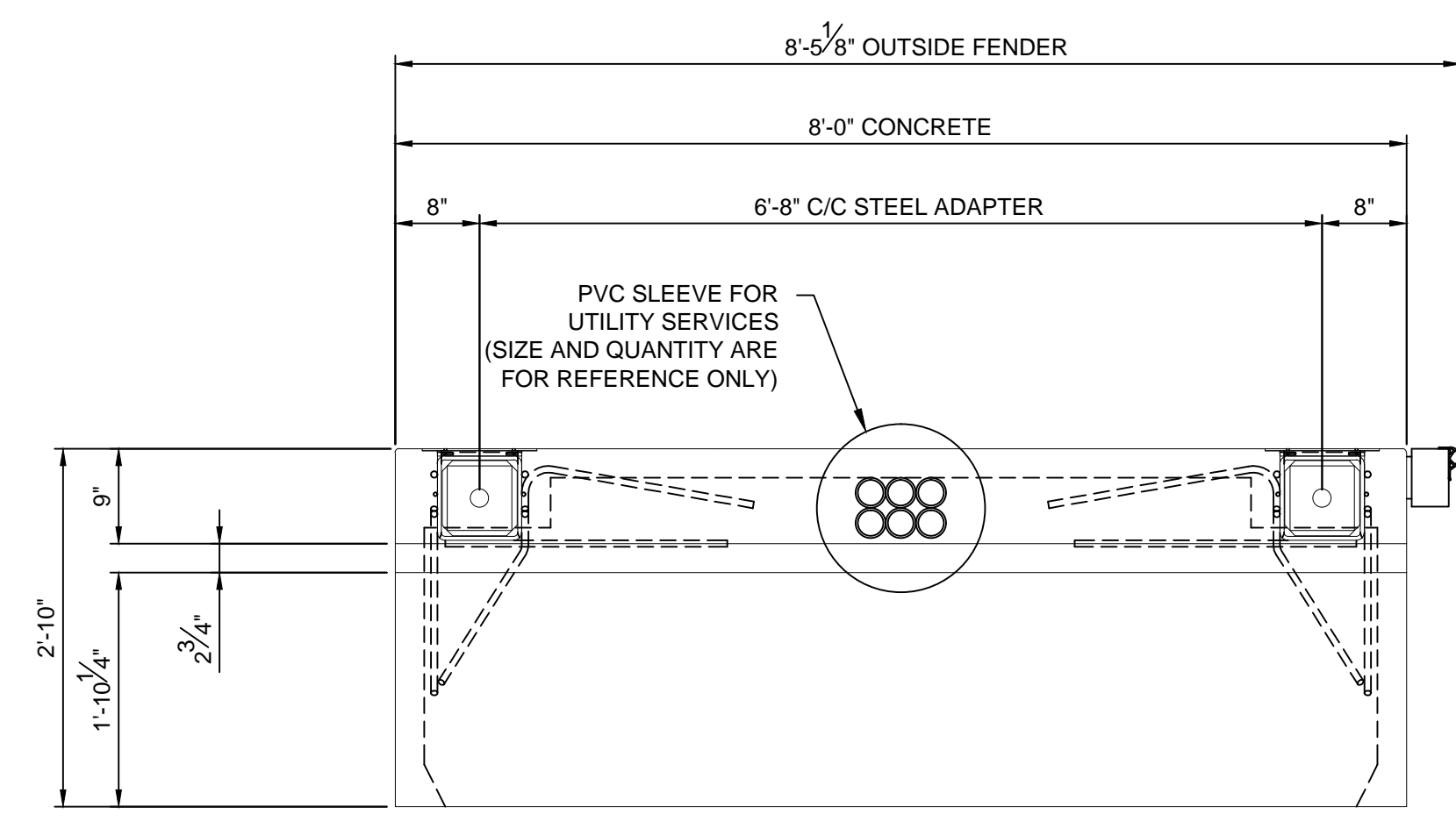
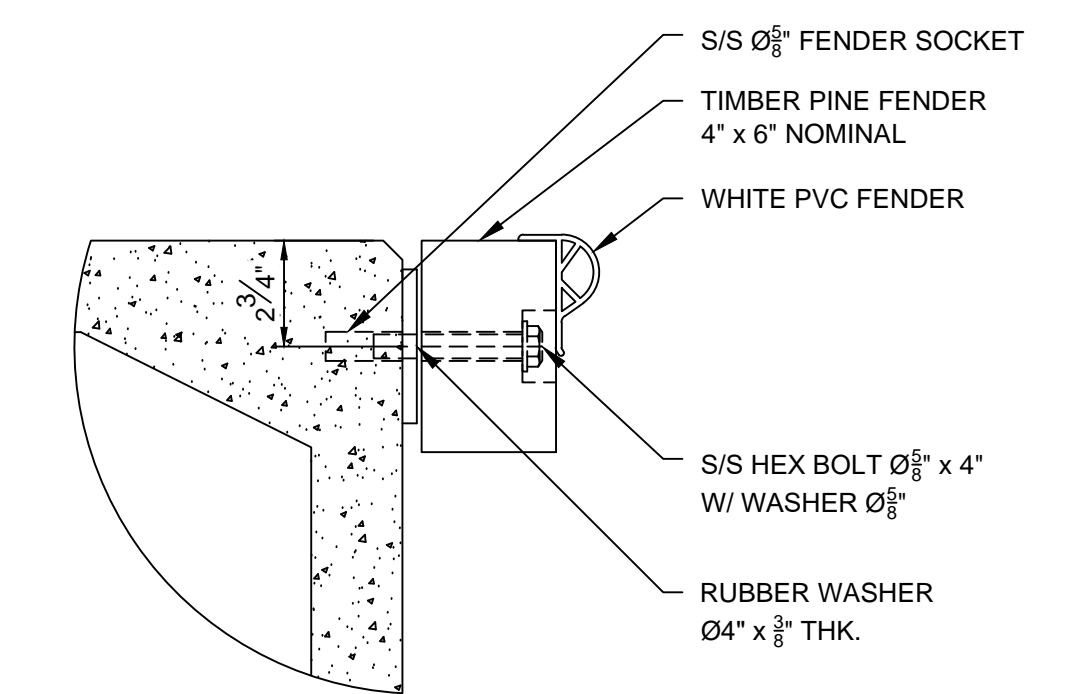
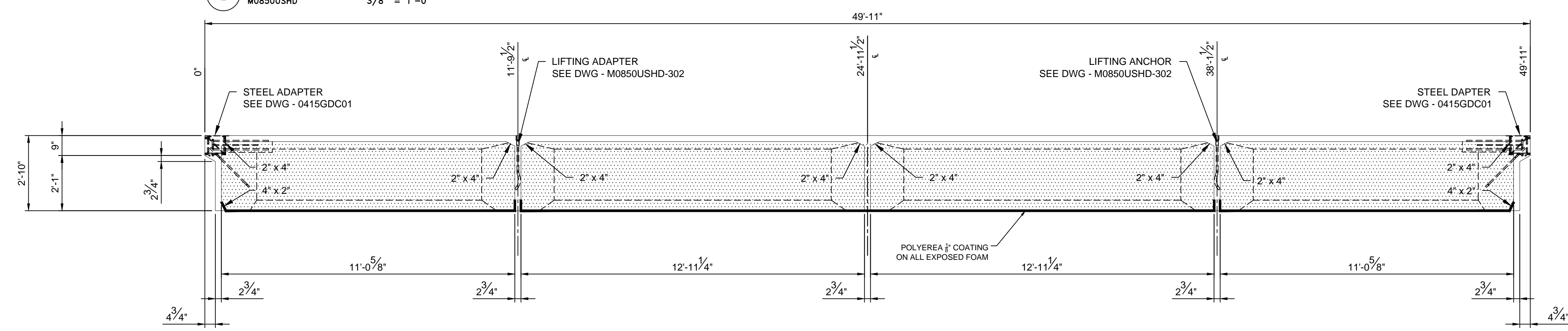
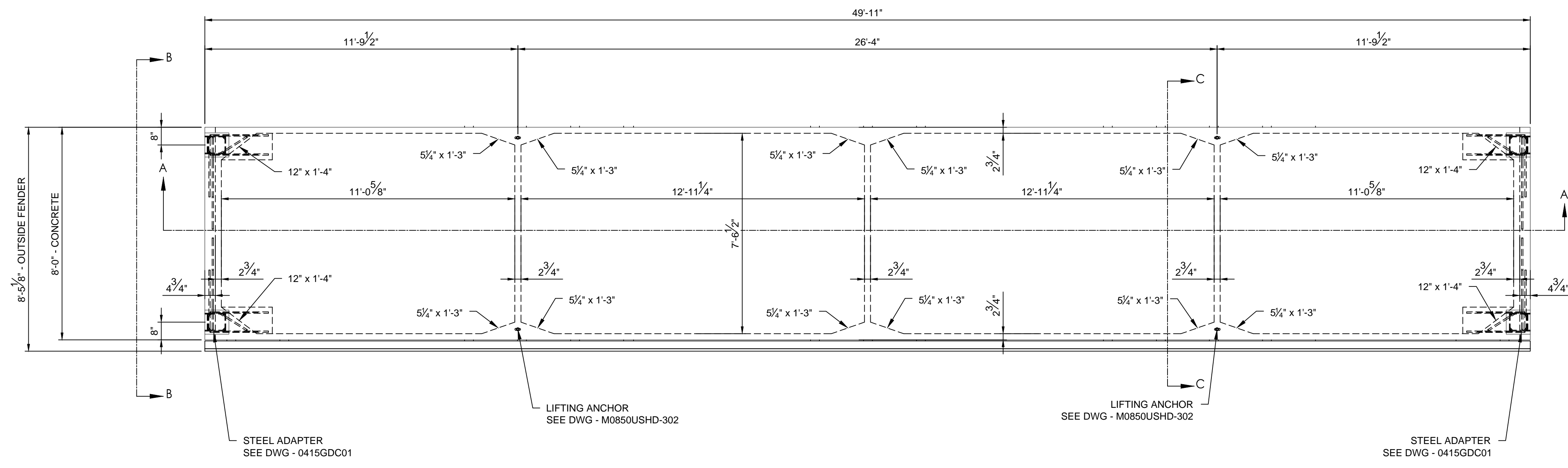


REV: 01	DESC: ADD CLEAT	DATE: 2017/08/15	BY: C.B.	PROPERTY INFORMATION Drawings, schemes or other designs produced or delivered by Marinetek North America Inc. relating to the Products are the sole property of Marinetek and may not be used or utilized without a prior written approval by Marinetek. All dimensions are nominal and should not be used as basis of any calculations by the customer.	DRAWN BY: C.B.	PROJECT: SLIDELL MUNICIPAL MARINA SLIDELL, LOUISIANA TITLE: CLEAT LAYOUT SECTION D SUBMITTAL	 MARINETEK NORTH AMERICA INC. 222 14th Avenue South St. Petersburg, Florida 33701 Tel: (877) 909-3625 Web: www.marinetek.net	PROJECT: 0415
REV: 02	DESC: REVISED SUBMITTAL	DATE: 2017/08/31	BY: C.B.		APPROVED BY: R.M.			DWG: 0415LMC03
REV: -	DESC: -	DATE: -	BY: -		REFERENCE: -			DATE: 2017-06-06

THEORETICAL UNIT WEIGHT

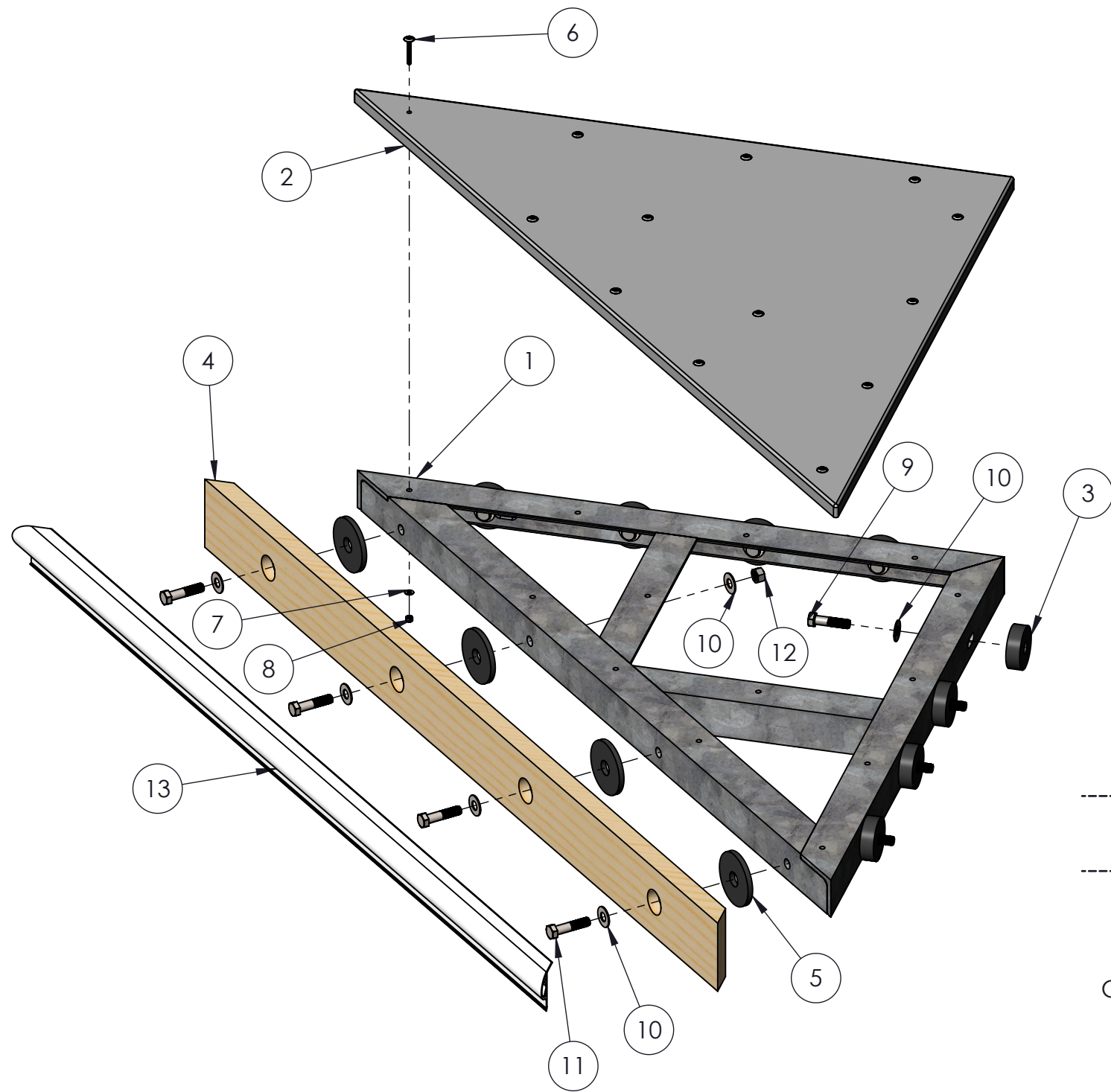
	VOLUME	DENSITY	WEIGHT
CONCRETE	203.25 ft ³	143.6 lb/ft ³	29 183.25 lb
FLOATING ELEMENTS - EPS	928.50 ft ³	1 lb/ft ³	928.50 lb
REINFORCEMENT			
REBAR			715.06 lb
MESH			607.80 lb
EQUIPMENT			
ACCESSORIES			271.68 lb
FENDER			524.88 lb
THEORETICAL WEIGHT OF PONTOON (TOTAL)			32 231.17 lb
SEA WATER DENSITY			63.8 lb/ft ³
NOMINAL FREEBOARD			18.57 in

ATTENTION:
Formwork may be struck only after the concrete has reached 42% of its nominal compressive strength.
Curing of concrete has to be continued until the concrete has reached 60% of its nominal compressive strength and temperature of the structure may not drop more than 86 F (30°C) during first 20 hours after stripping the formwork.



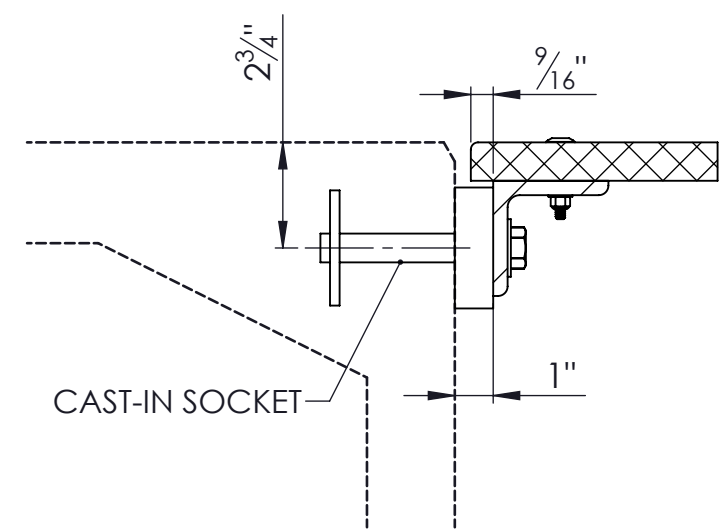
REV: -	DESC: -	DATE: -	BY: -	PROPERTY INFORMATION	DRAWN BY: C.B.	PROJECT: SLIDELL MUNICIPAL MARINA SLIDELL, LOUISIANA	PROJECT: 0415
REV: -	DESC: -	DATE: -	BY: -	Drawings, schemes or other designs produced or delivered by Marinetek North America Inc. relating to the Products are the sole property of Marinetek and may not be used or utilized without a prior written approval by Marinetek. All dimensions are nominal and should not be used as basis of any calculations by the customer.	APPROVED BY: R.M.	TITLE: HEAVY DUTY PONTOON - M0850USHD DIMENSION AND EQUIPMENT	DWG: 0415CMD01 - M0850USHD-300
REV: -	DESC: -	DATE: -	BY: -		REFERENCE: -		DATE: 2017-06-06 REV: 00

MARINETEK
MARINETEK NORTH AMERICA INC.
222 14th Avenue South
St. Petersburg, Florida 33701
Tel: (877) 909-3625
Web: www.marinetek.net

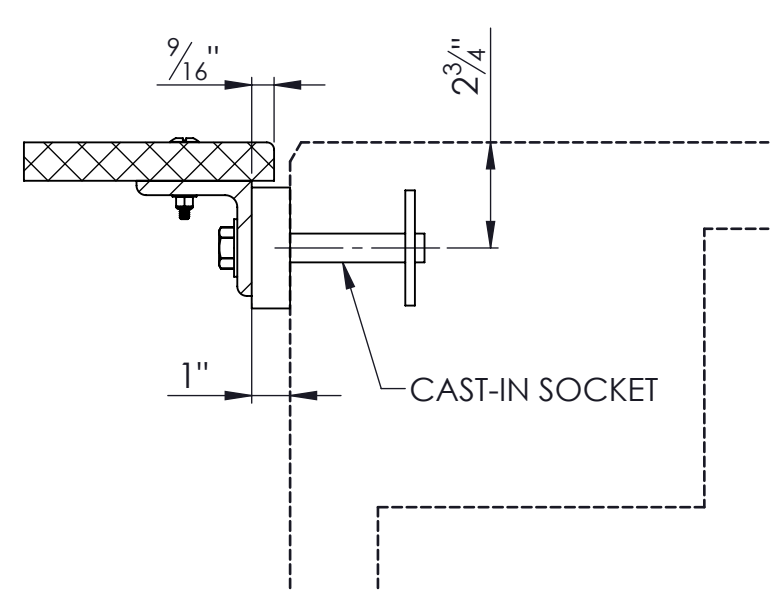


ITEM NO.	DESCRIPTION	LENGTH	QTY.
1	HDG CORNER WALK FRAME - 4ft x 4ft	-	1
2	FRP PANEL - LIGHT-GRAY 1"THK x 48"	48"	1
3	EPDM RUBBER DIA 3.15" x 1" THK	-	8
4	TIMBER PINE FENDER 2" x 6" NOMINAL	71 3/4"	1
5	EPDM RUBBER SPACER DIA 4.00" x 0.375" THK.	-	4
6	S/S LW PR WD HD FLT HD MCH SCR 0.25" x 2"	-	13
7	SST WASHER DIA 1/4"	-	13
8	SST NYLON INSERT LOCKNUT 1/4"-20	-	13
9	SST HEX BOLT 0.625"-11 x 2.50"	-	8
10	S/S WASHER 0.625"	-	16
11	S/S HEX BOLT 0.625"-11 X 2.75"	-	4
12	S/S NUT 0.625"-11	-	4
13	WHITE PVC P FENDER	71 3/4"	1

QUANTITY TO BUILD = 10x
THE MANUFACTURER MUST SUPPLY ITEM
#1, #9, #10, #11 AND #12
MARINETEK WILL SUPPLY EVERYTHING ELSE



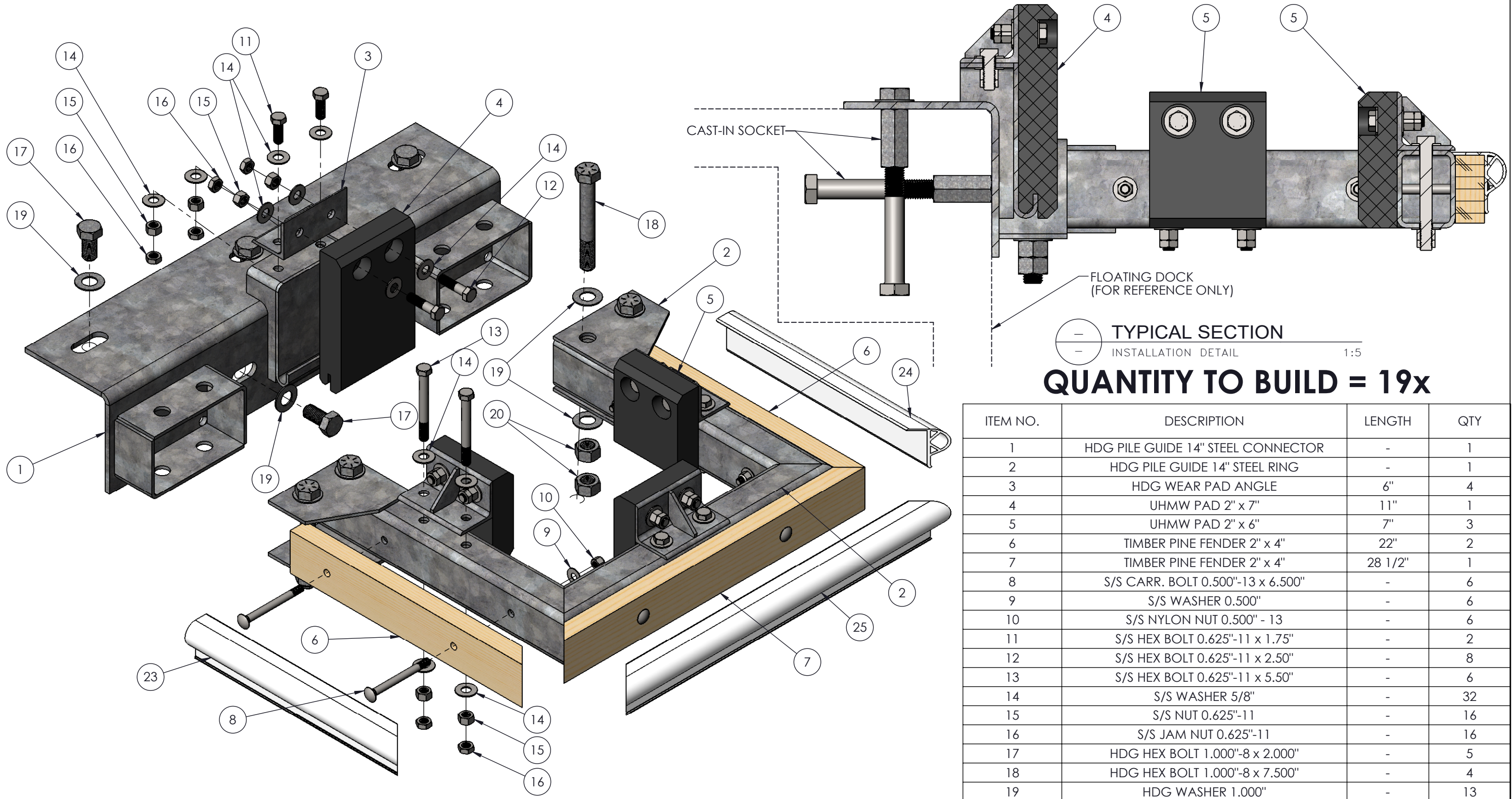
— TYPICAL SECTION
 — MAIN PONTOON DETAIL 1:5



— TYPICAL SECTION
 — FINGER DOCK DETAIL 1:5

— EXPLODED VIEW
 — INSTALLATION DETAIL NTS

REV: -	DESC: -	DATE: -	BY: -	PROPERTY INFORMATION Drawings, schemes or other designs produced or delivered by Marinetek North America Inc. relating to the Products are the sole property of Marinetek and may not be used or utilized without a prior written approval by Marinetek. All dimensions are nominal and should not be used as basis of any calculations by the customer.	DRAWN BY: C.B.	PROJECT: SLIDELL MUNICIPAL MARINA SLIDELL, LOUISIANA TITLE: CORNER WALK ASSEMBLY 4' x 4' INSTALLATION DETAIL	 MARINETEK NORTH AMERICA INC. 222 14th Avenue S. St. Petersburg, Florida 33701 Tel: (877) 909-3625 Web: www.marinetek.net	PROJECT: 0415	
REV: -	DESC: -	DATE: -	BY: -		APPROVED BY: R.M.			DWG: 0415GCW02	
REV: -	DESC: -	DATE: -	BY: -		REFERENCE: -			DATE: 2017-06-06	REV: 00



(---) TYPICAL SECTION
 (---) INSTALLATION DETAIL 1:5
QUANTITY TO BUILD = 19x

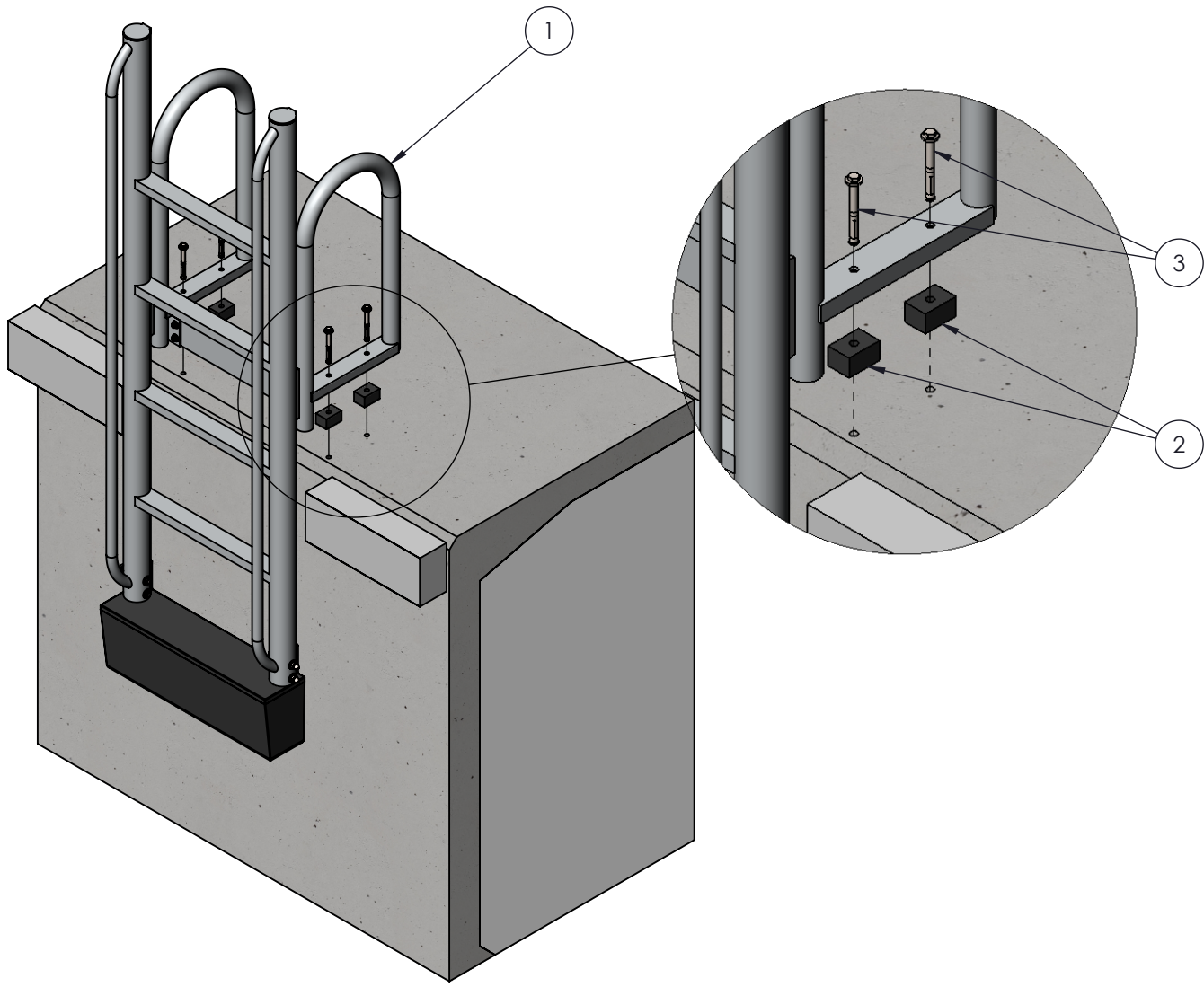
ITEM NO.	DESCRIPTION	LENGTH	QTY
1	HDG PILE GUIDE 14" STEEL CONNECTOR	-	1
2	HDG PILE GUIDE 14" STEEL RING	-	1
3	HDG WEAR PAD ANGLE	6"	4
4	UHMW PAD 2" x 7"	11"	1
5	UHMW PAD 2" x 6"	7"	3
6	TIMBER PINE FENDER 2" x 4"	22"	2
7	TIMBER PINE FENDER 2" x 4"	28 1/2"	1
8	S/S CARR. BOLT 0.500"-13 x 6.500"	-	6
9	S/S WASHER 0.500"	-	6
10	S/S NYLON NUT 0.500" - 13	-	6
11	S/S HEX BOLT 0.625"-11 x 1.75"	-	2
12	S/S HEX BOLT 0.625"-11 x 2.50"	-	8
13	S/S HEX BOLT 0.625"-11 x 5.50"	-	6
14	S/S WASHER 5/8"	-	32
15	S/S NUT 0.625"-11	-	16
16	S/S JAM NUT 0.625"-11	-	16
17	HDG HEX BOLT 1.000"-8 x 2.000"	-	5
18	HDG HEX BOLT 1.000"-8 x 7.500"	-	4
19	HDG WASHER 1.000"	-	13
20	HDG HEX NUT 1.000"-8	-	8
23	WHITE PVC P FENDER	19"	1
24	WHITE PVC P FENDER	19"	1
25	WHITE PVC P FENDER	28 1/2"	1

(---) EXPLODED VIEW
 (---) INSTALLATION DETAIL NTS

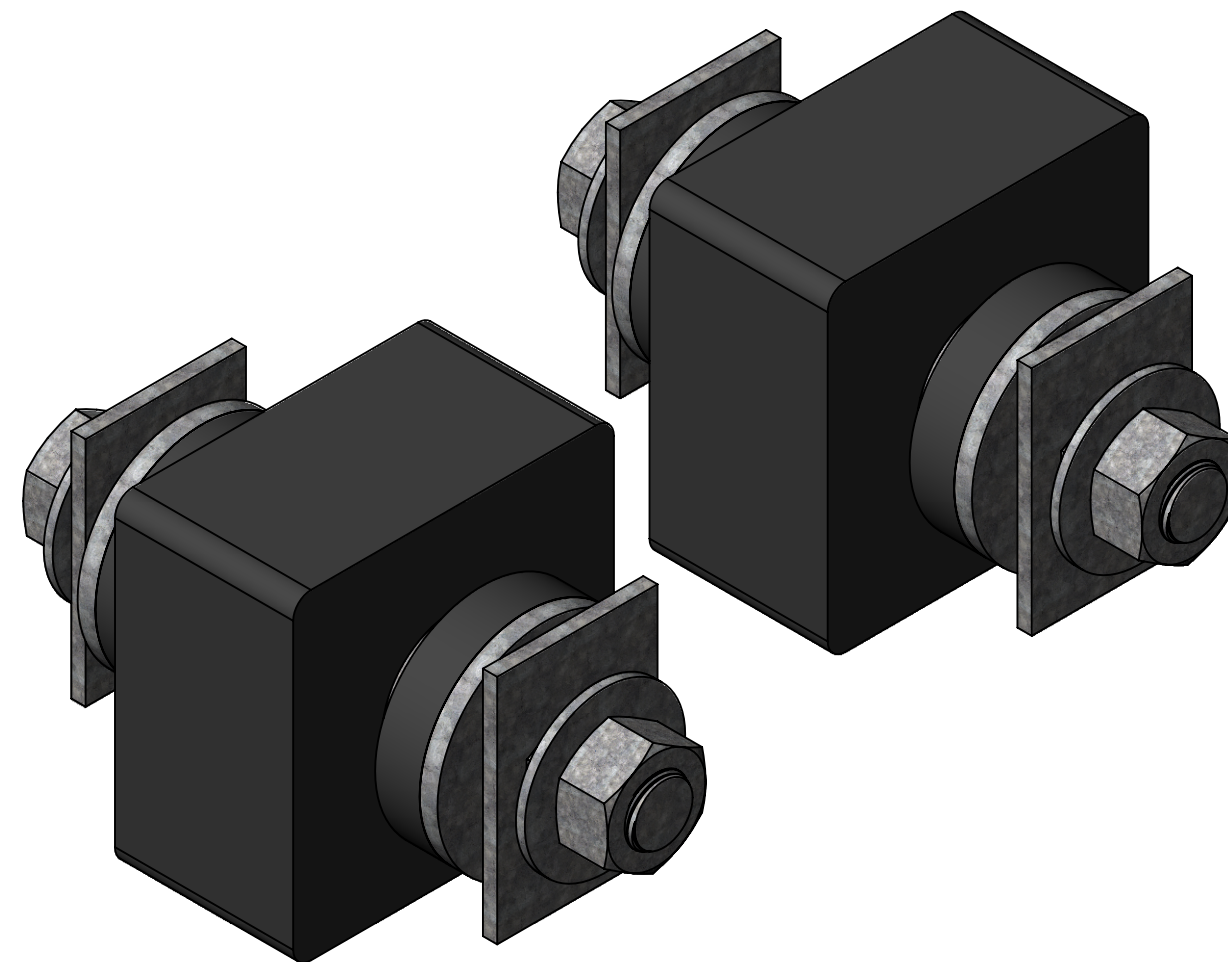
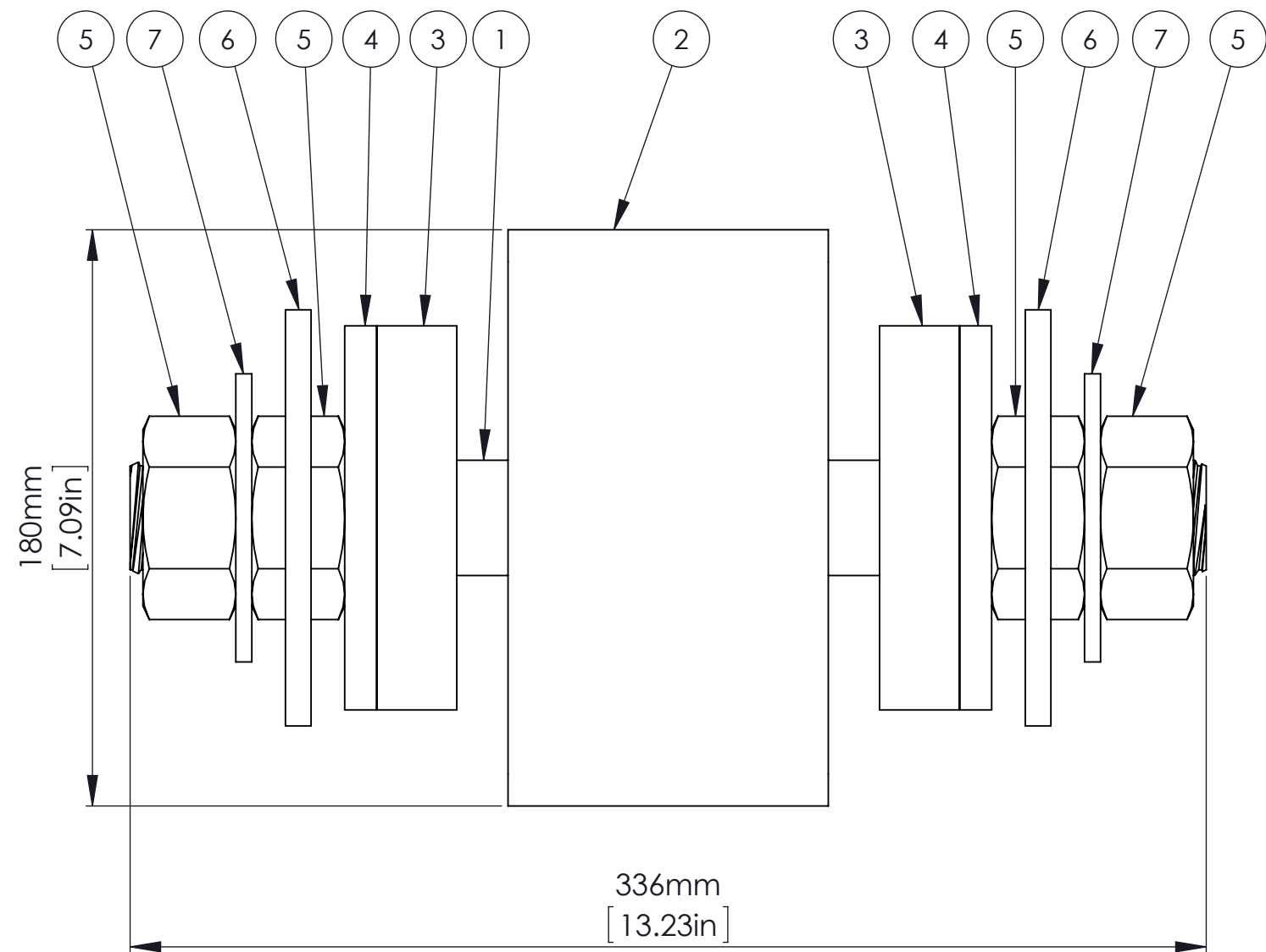
PIECE NO 6, 7, 23, 24 AND 25 SUPPLY BY MARINETEK NORTH AMERICA

REV: -	DESC: -	DATE: -	BY: -	PROPERTY INFORMATION Drawings, schemes or other designs produced or delivered by Marinetek North America Inc. relating to the Products are the sole property of Marinetek and may not be used or utilized without a prior written approval by Marinetek. All dimensions are nominal and should not be used as basis of any calculations by the customer.	DRAWN BY: C.B.	PROJECT: SLIDELL MUNICIPAL MARINA SLIDELL, LOUISIANA TITLE: HDG EXTERNAL PILE GUIDE 14" INSTALLATION DETAIL WITH FENDER	 MARINETEK NORTH AMERICA INC. 222 14th Avenue S. St. Petersburg, Florida 33701 Tel: (877) 909-3625 Web: www.marinetek.net	PROJECT: 0415	
REV: -	DESC: -	DATE: -	BY: -		APPROVED BY: R.M.			DWG: 0415GPG03	
REV: -	DESC: -	DATE: -	BY: -		REFERENCE: -			DATE: 2017-06-06	REV: 00

TITLE			QUANTITY
ALU. FLOATSTEP LADDER-4 STEP-CONCRETE DOCK			5
ITEM NO.	DESCRIPTION	LENGTH	QTY
1	"FLOATSTEP" LADDER - 4 STEP	-	1
2	UHMW SPACER 2" x 1 3/8"	1 1/8"	4
3	WEDGE BOLT ANCHOR 0.375" x 3.5" W/WASHER	-	4




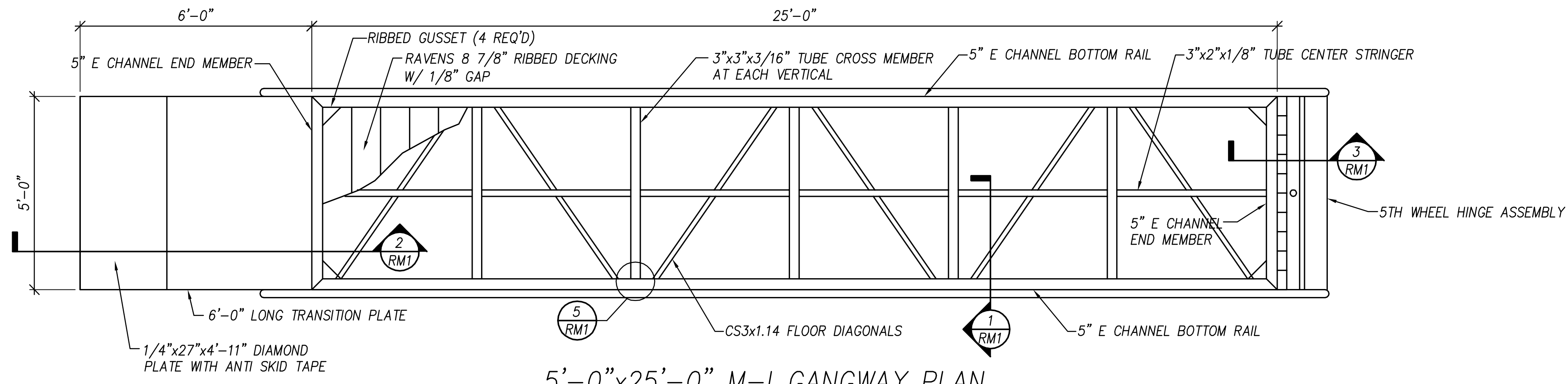
DRAWN BY C.B.	DATE (dd/mm/yy) 2017-01-19	CHECK BY R.M.	DATE (dd/mm/yy) 2017-05-05	PROJECT NO 0415
FILE NAME 0415ALD01 - Alum Ladder 4 Step - concrete.SLD			PURCHASE ORDER -	
SCALE 1:16	DRAWING NO 0415ALD01	SHEET NO 1 OF 2	REV	



QUANTITY = 14x

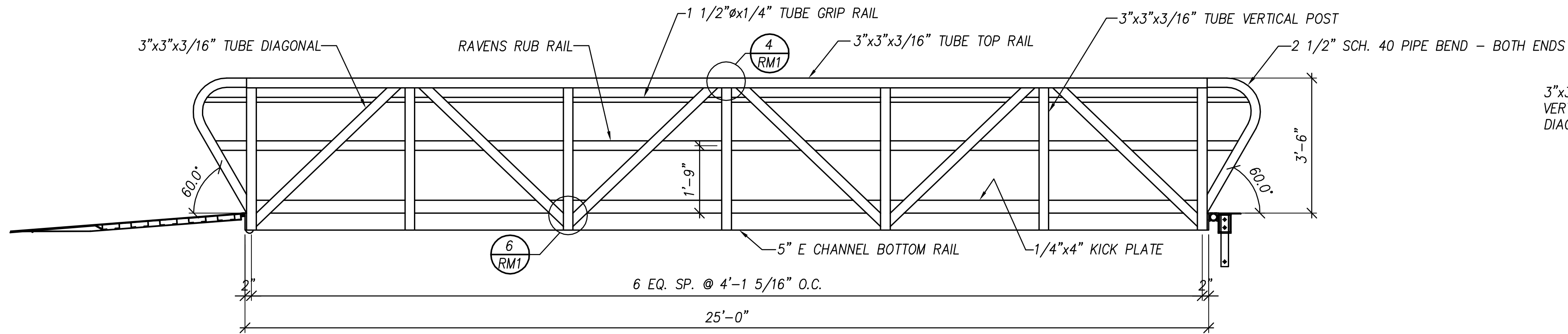
ITEM NO.	PART NUMBER	DESCRIPTION	LENGTH	QTY
1	91360020	HDG FIXING BAR M36	350	2
2	93180100	EPDM RUBBER 180 x 180 x 100 (7.09" x 7.09" x 3.94")	-	2
3	93120020	EPDM RUBBER 25 x 120 (1.0" x 4.75")	-	4
4	90080370	HDG FIXING SET WASHER M36, d=120	-	4
5	90040360	HDG NUT M36, DIN 934	-	8
6	10001344	HDG FIXING SET LOCKING PLATE PE, HD	-	4
7	90070360	HDG LARGE WASHER M36, DIN 9021	-	4

REV: -	DESC: -	DATE: -	BY: -	PROPERTY INFORMATION Drawings, schemes or other designs produced or delivered by Marinetek North America Inc. relating to the Products are the sole property of Marinetek and may not be used or utilized without a prior written approval by Marinetek. All dimensions are nominal and should not be used as basis of any calculations by the customer.	DRAWN BY: C.B.	PROJECT: SLIDELL MUNICIPAL MARINA SLIDELL, LOUISIANA TITLE: USHD FIXING SET PAIR	 MARINETEK NORTH AMERICA INC. 222 14th Avenue S. St. Petersburg, Florida 33701 Tel: (877) 909-3625 Web: www.marinetek.net	PROJECT: 0415	
REV: -	DESC: -	DATE: -	BY: -		APPROVED BY: R.M.			DWG: 10301210	
REV: -	DESC: -	DATE: -	BY: -		REFERENCE: 10301210			DATE: 2017-06-06	REV: 00

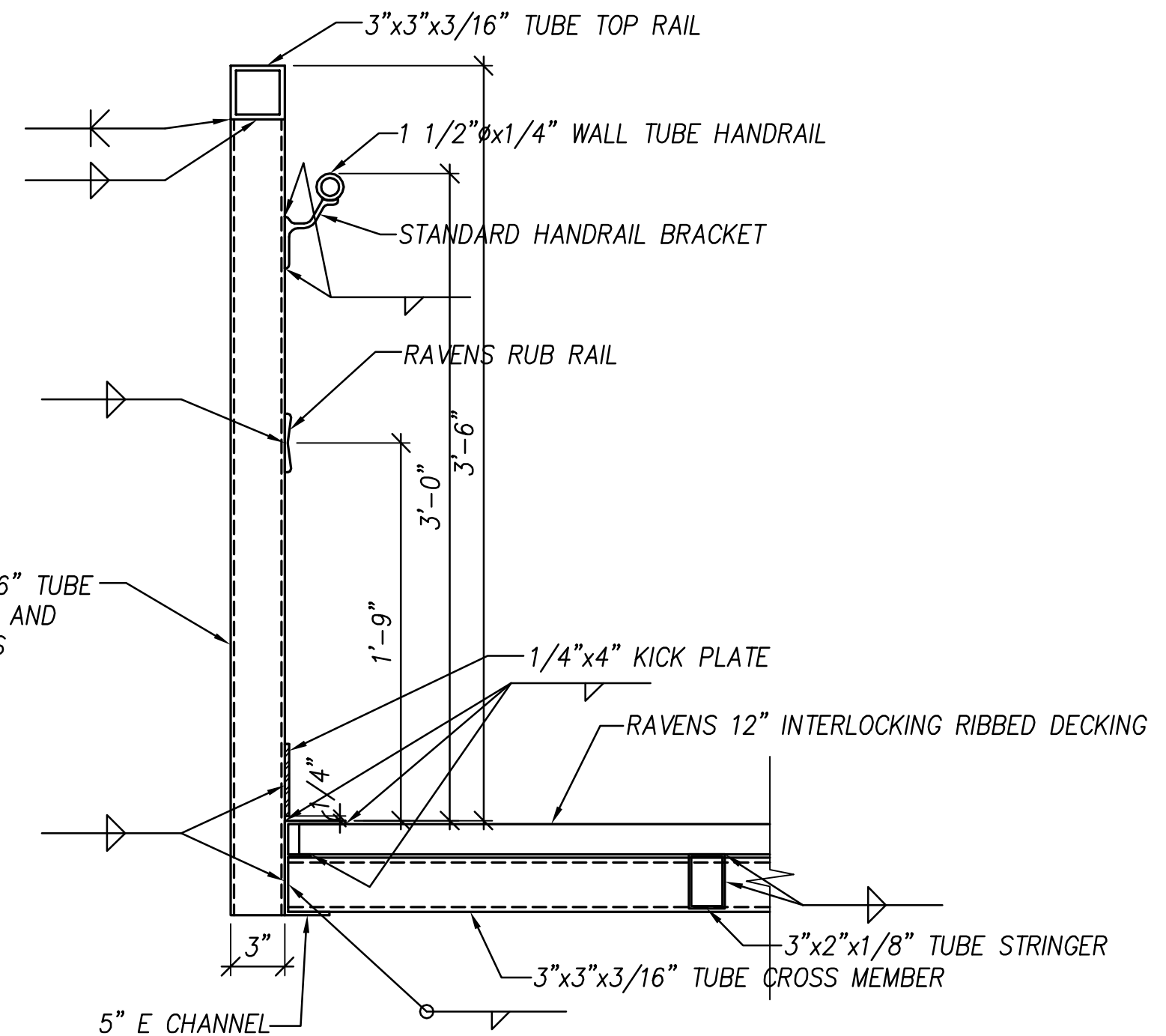


5'-0"x25'-0" M-1 GANGWAY PLAN
SCALE 1/2" = 1'-0"

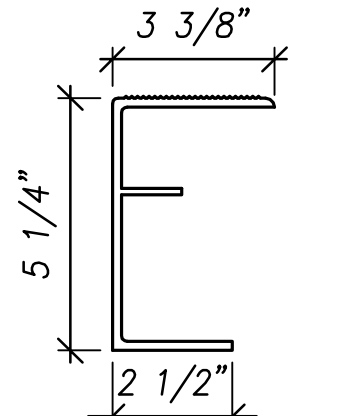
- NOTES:**
1. REFERENCED CODES AND DESIGN STANDARDS: THE ALUMINUM ASSOCIATION SPECIFICATIONS & GUIDELINES, 2005 EDITION; ALUMINUM STRUCTURES, A GUIDE TO THEIR SPECIFICATIONS AND DESIGN; AWS D1.2/D1.2M STRUCTURAL WELDING CODE - ALUMINUM
 2. DESIGN LIVE LOAD = 50 PSF OR 300 LB POINT LOAD
 3. WIND LOAD = 35 PSF APPLIED NORMAL TO FULL VERTICAL PROJECTED AREA OF BRIDGE AS IF ENCLOSED
 4. HANDRAIL LOAD: 50 PLF OR 200 LB POINT LOAD IN ANY DIRECTION BUT NOT CONCURRENTLY
 5. MAXIMUM VERTICAL DEFLECTION = L/240
 6. ALL ALUMINUM 6061-T6 FRAMING WITH MILL FINISH
 7. ALL FASTENERS ASTM F593 TYPE 304 STAINLESS STEEL
 8. 100% MIG WELDED CONSTRUCTION WITH 5356 ALLOY FILLER
 9. ALL WELDS 3/16" FILLET, TYP. UNLESS NOTED OTHERWISE
 10. GANGWAY HINGE ATTACHMENT TO PIER/ABUTMENT IS DESIGNED AND INSTALLED BY OTHERS
 11. GANGWAY IS DESIGNED FOR A MAXIMUM SLOPE OF 1:3 OR APPROXIMATELY 18 DEGREES
 12. APPROXIMATE DEAD LOAD OF GANGWAY = 1,500 LBS



5'-0"x25'-0" M-1 GANGWAY ELEVATION
SCALE 1/2" = 1'-0"

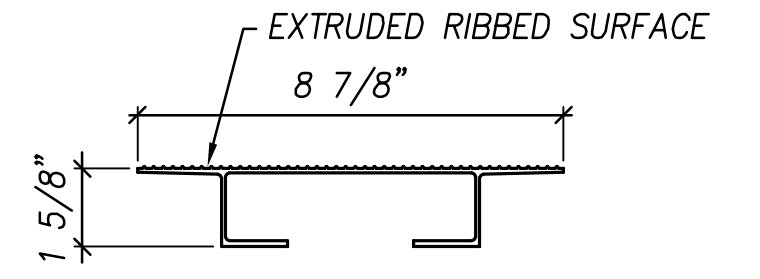


SECTION 1
SCALE 1 1/2" = 1'-0"



A = 2.214 in² Sx = 3.13 in³
Ix = 9.09 in⁴ WEIGHT = 2.61 LBS/LF

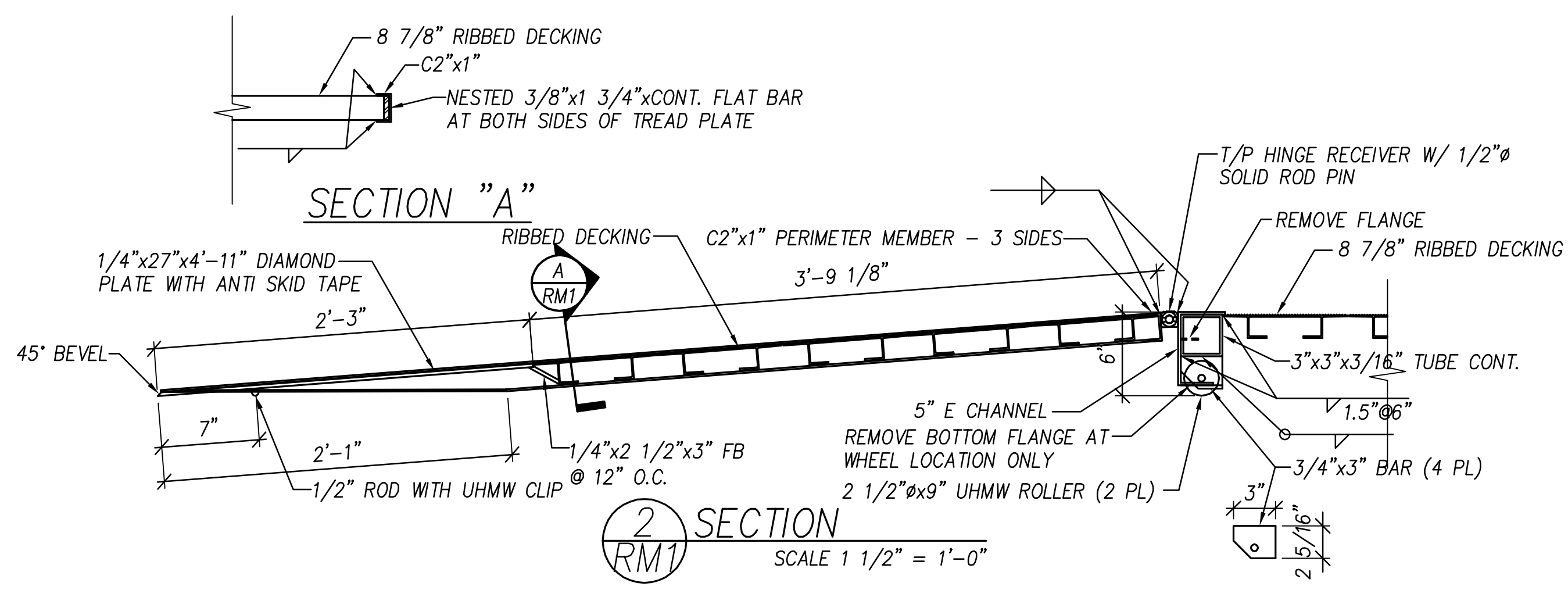
5" E CHANNEL



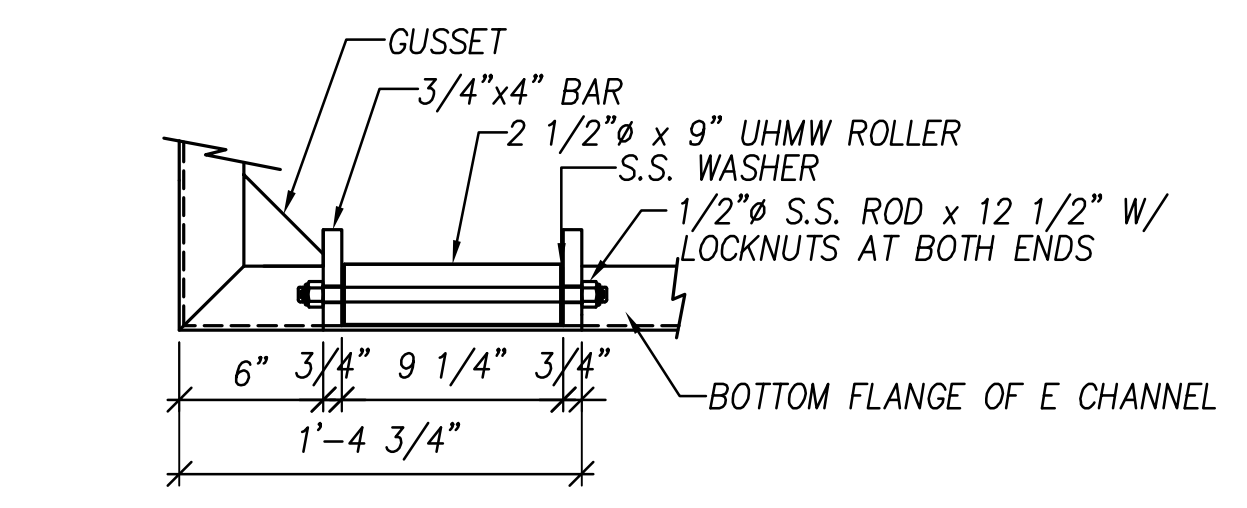
A = 1.507 in² Sx = 0.575 in³
Ix = 0.643 in⁴ WEIGHT = 1.78 LBS/LF

8 7/8" RIBBED DECKING

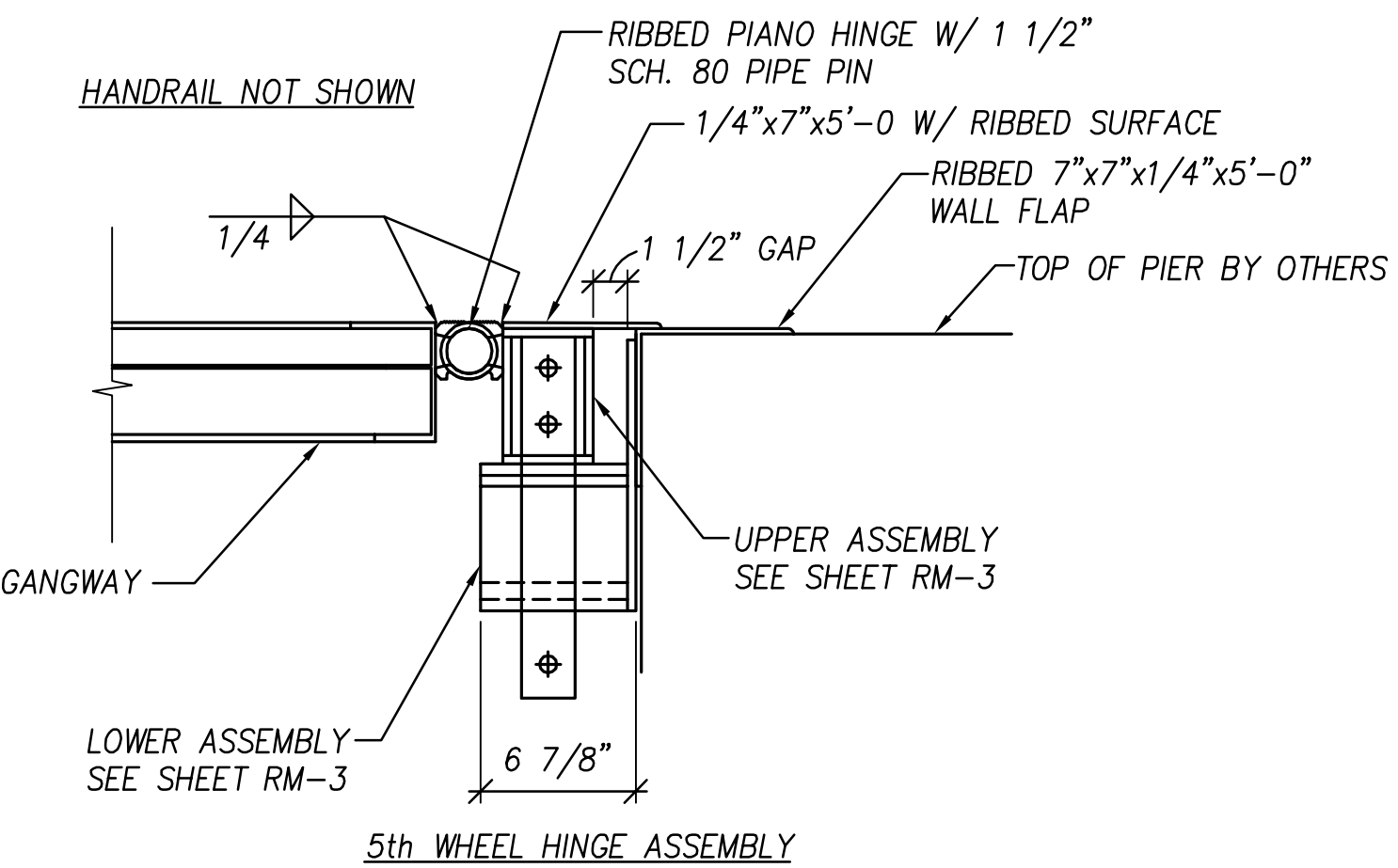
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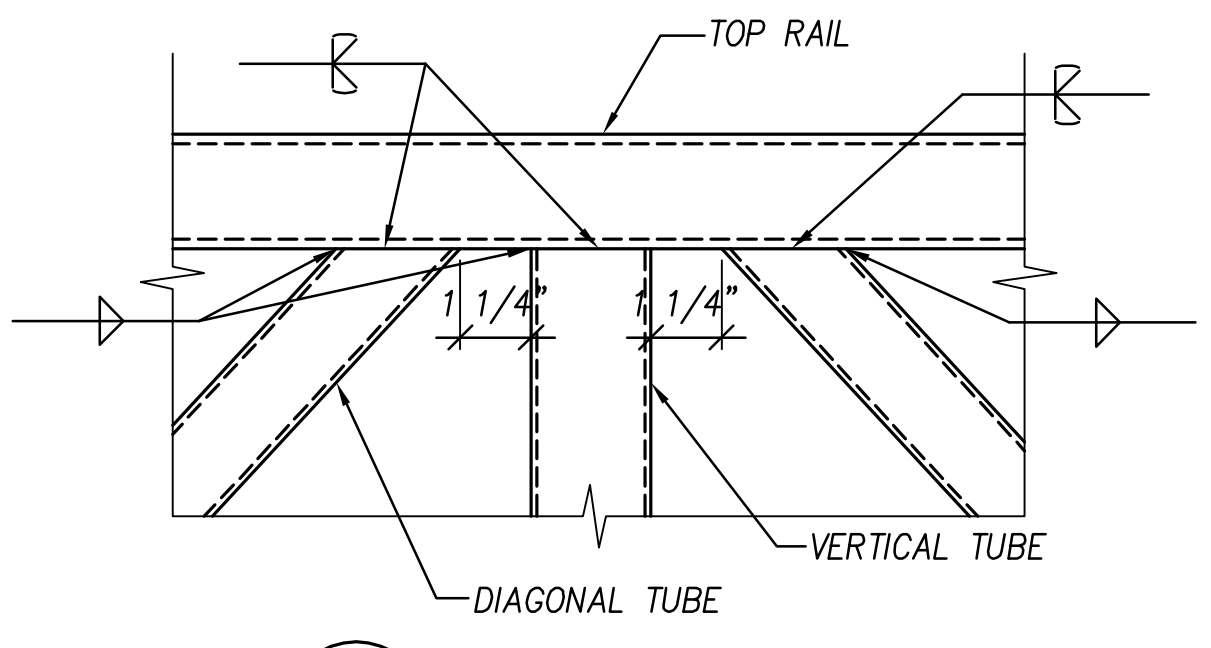
SECTION 2
SCALE 1 1/2" = 1'-0"



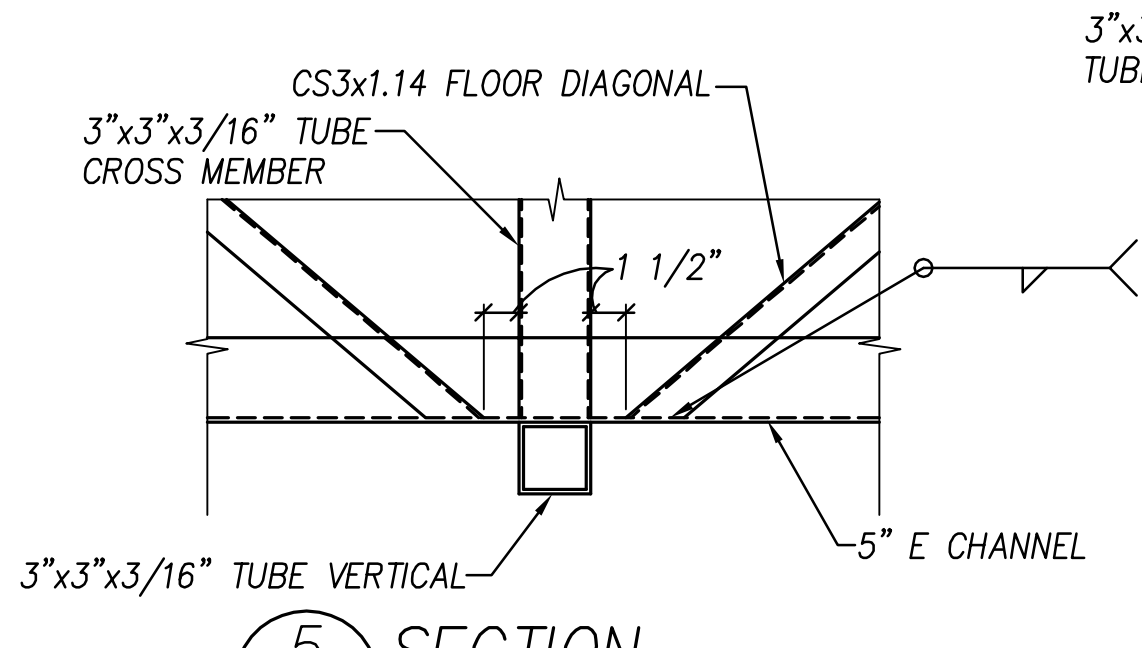
ROLLER END BOTTOM VIEW



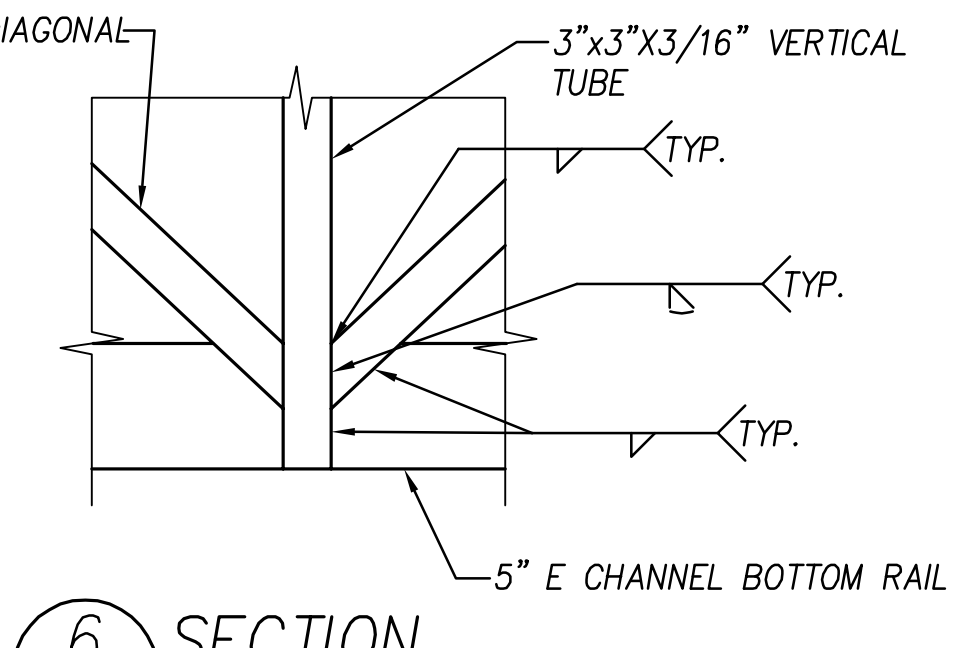
SECTION 3
SCALE 1 1/2" = 1'-0"



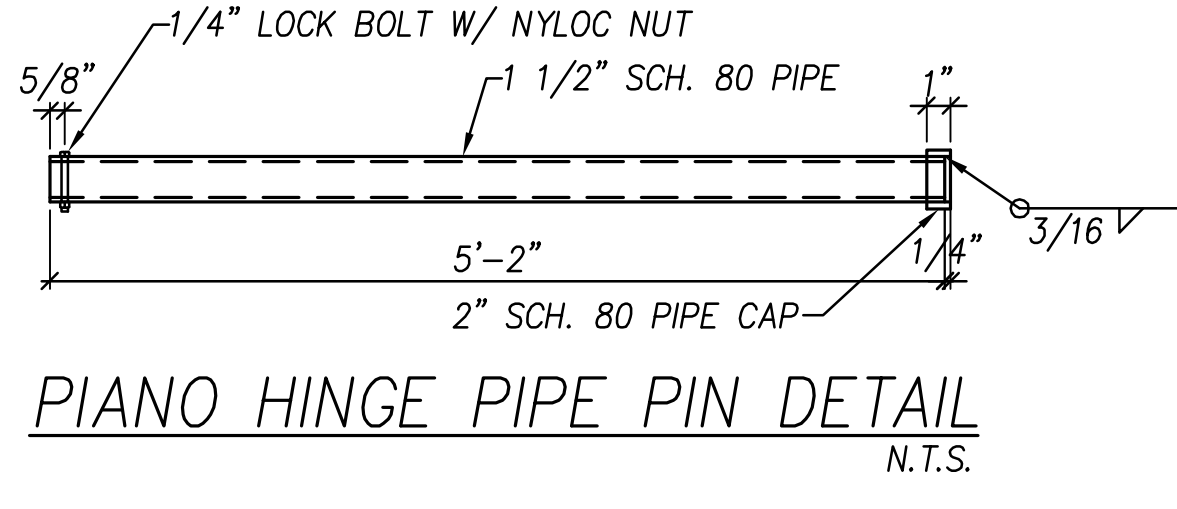
SECTION 4
SCALE 3" = 1'-0"



SECTION 5
SCALE 1 1/2" = 1'-0"

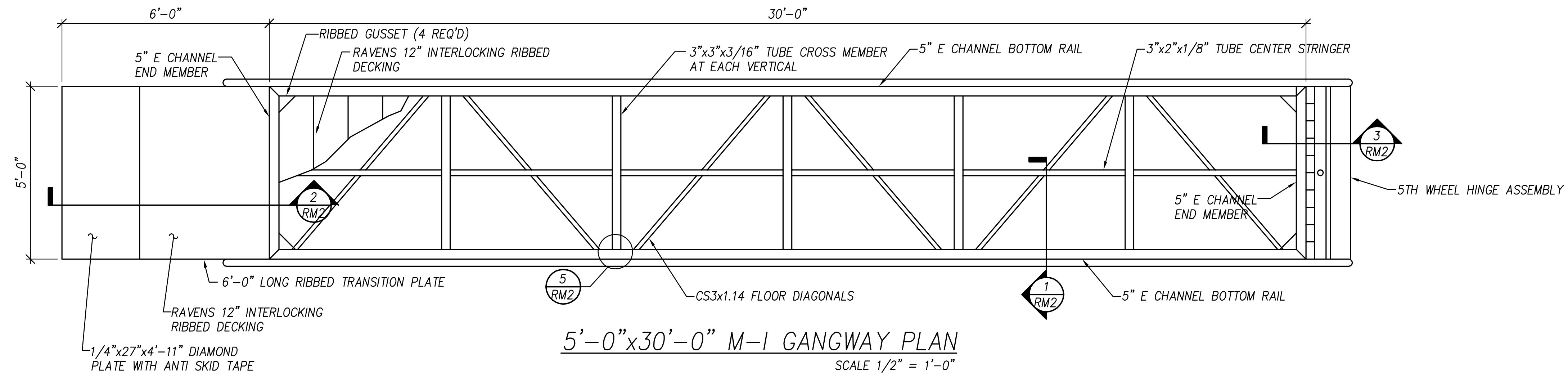


SECTION 6
SCALE 3" = 1'-0"



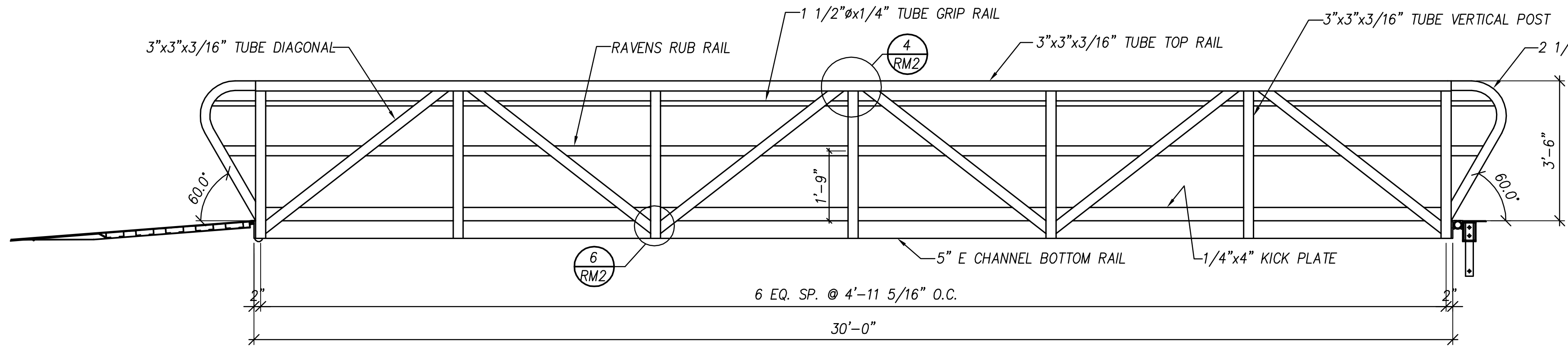
PIANO HINGE PIPE PIN DETAIL
N.T.S.

RAVENS MARINE INC.	
3295 ORANGE AVENUE PHONE: 407-935-9799	KISSIMMEE, FL FAX: 407-935-9436
SLIDELL MUNICIPAL MARINA AT HERITAGE PARK, SLIDELL, LA G.C. MARINETEK NORTH AMERICA, INC.	
5'-0"x25'-0" MARINER-1 GANGWAY	
DATE: 5/12/17	SHEET: 1 OF 3 DWG NO.: RM-1

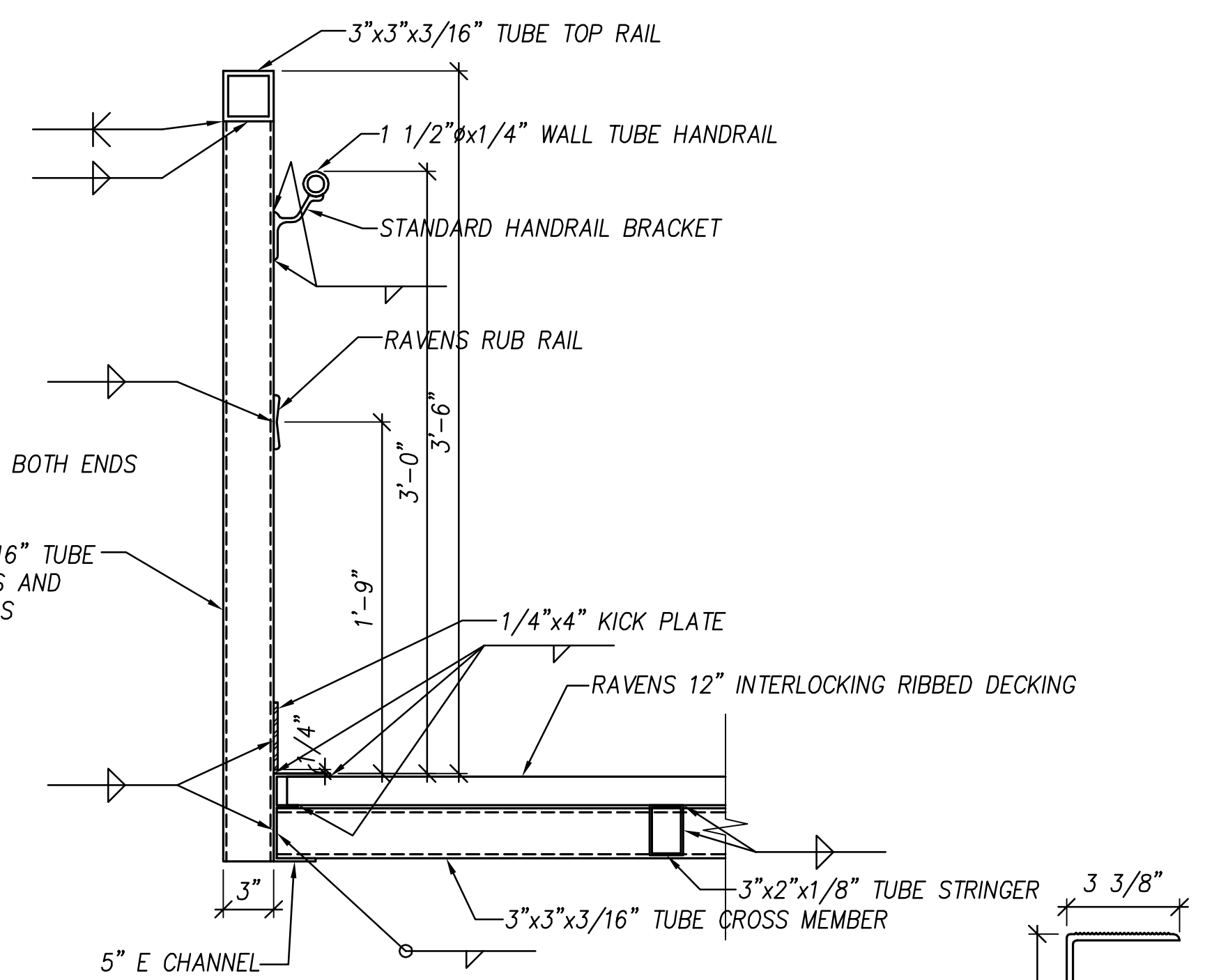


5'-0" x 30'-0" M-1 GANGWAY PLAN
SCALE 1/2" = 1'-0"

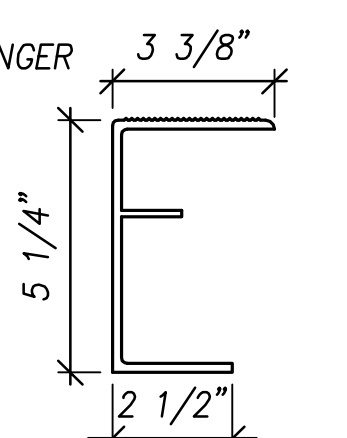
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5'-0" x 30'-0" M-1 GANGWAY ELEVATION
SCALE 1/2" = 1'-0"

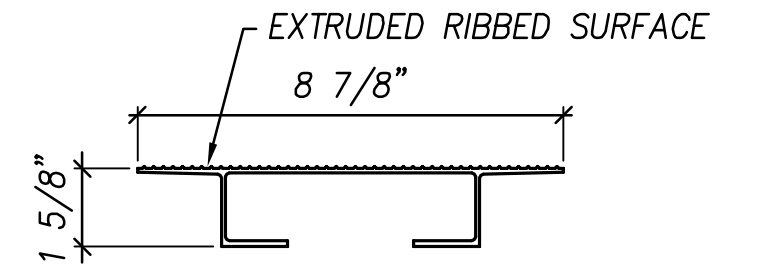


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Ix = 9.09 in⁴ WEIGHT = 2.61 LBS/LF

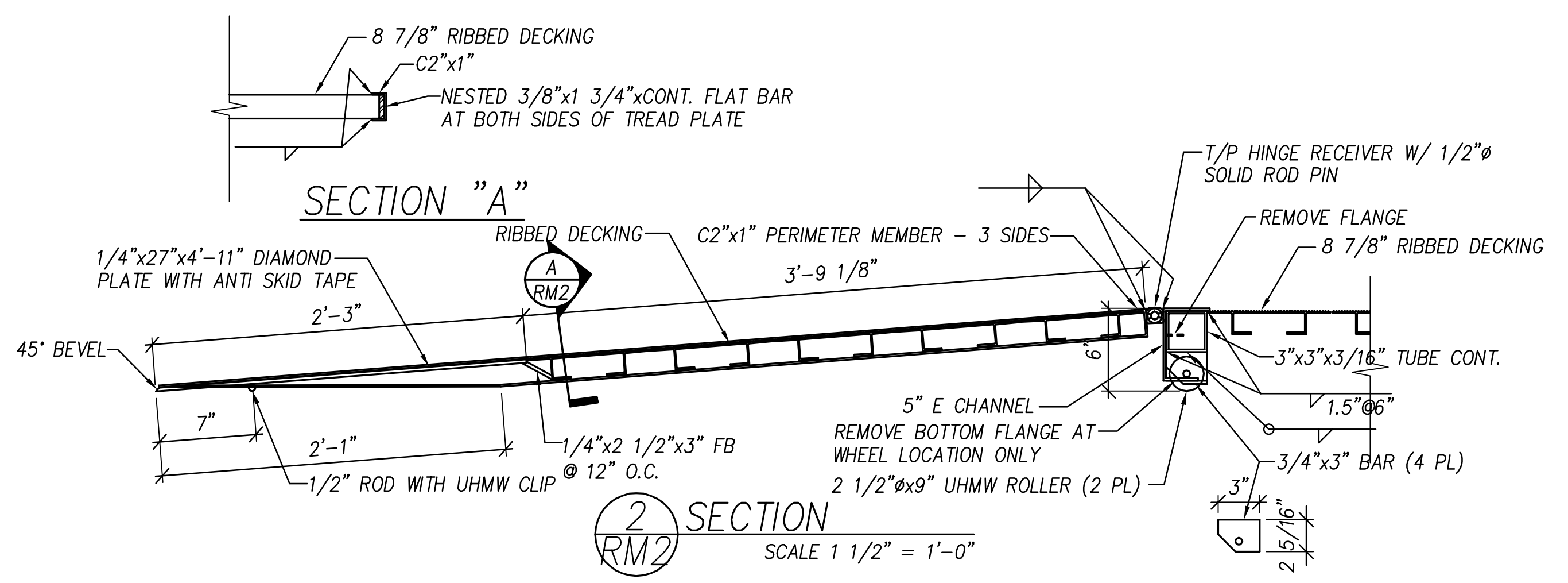
5" E CHANNEL



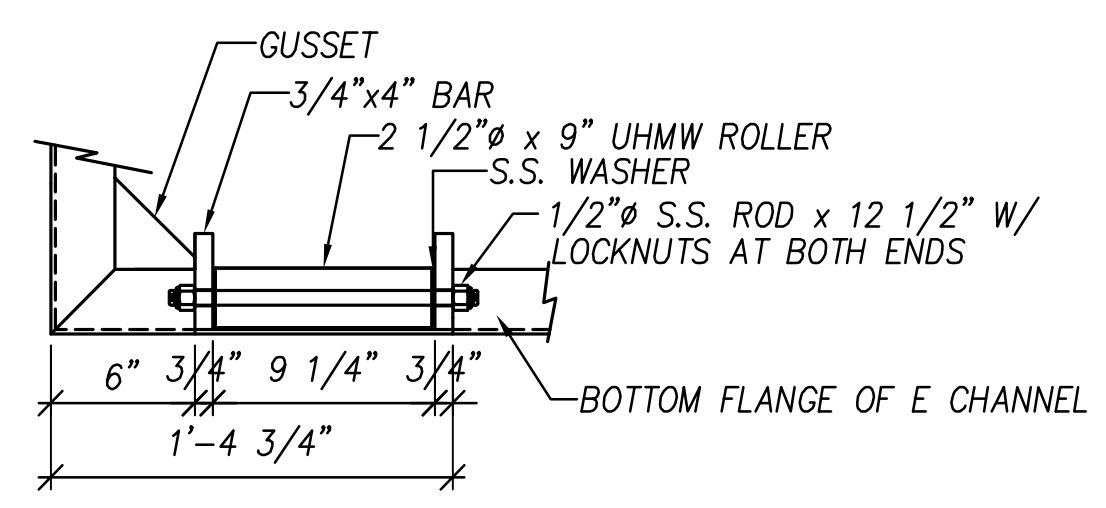
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8 7/8" RIBBED DECKING

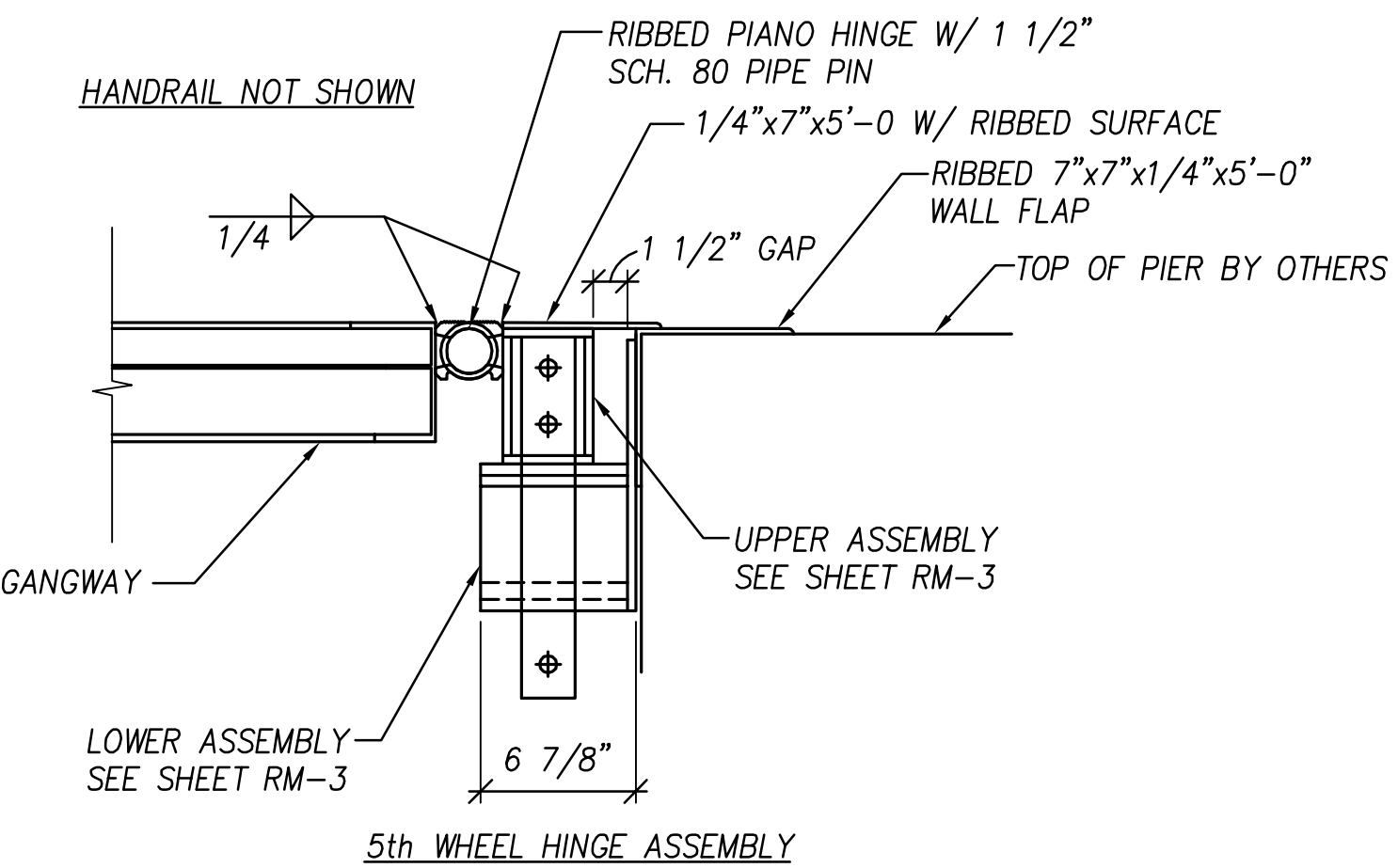
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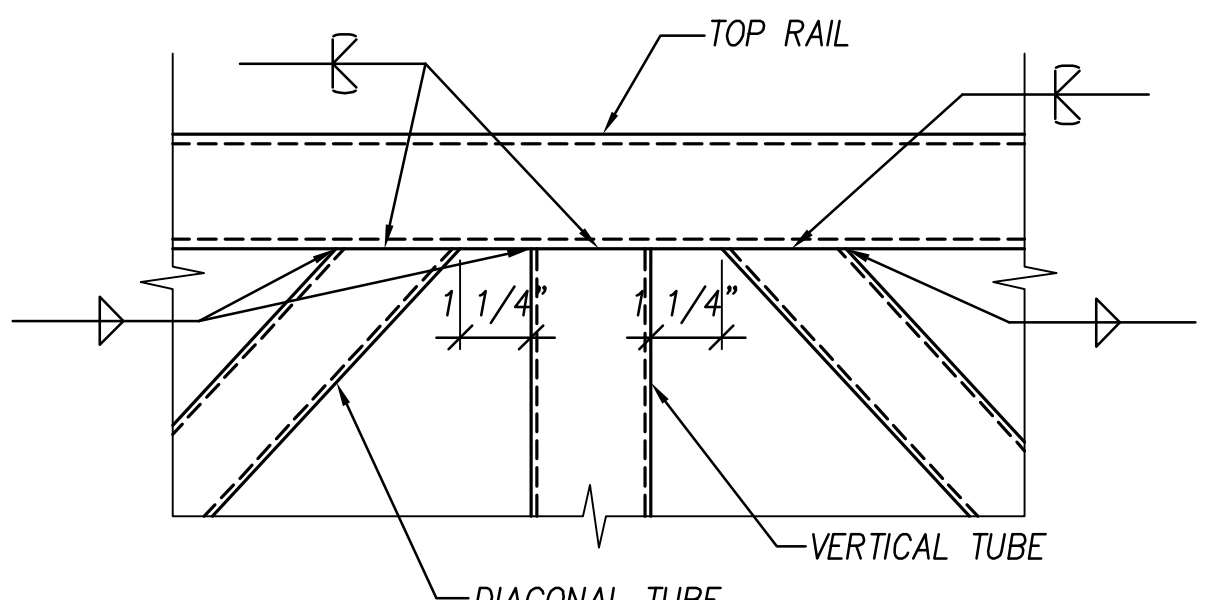
SECTION A
SCALE 1 1/2" = 1'-0"



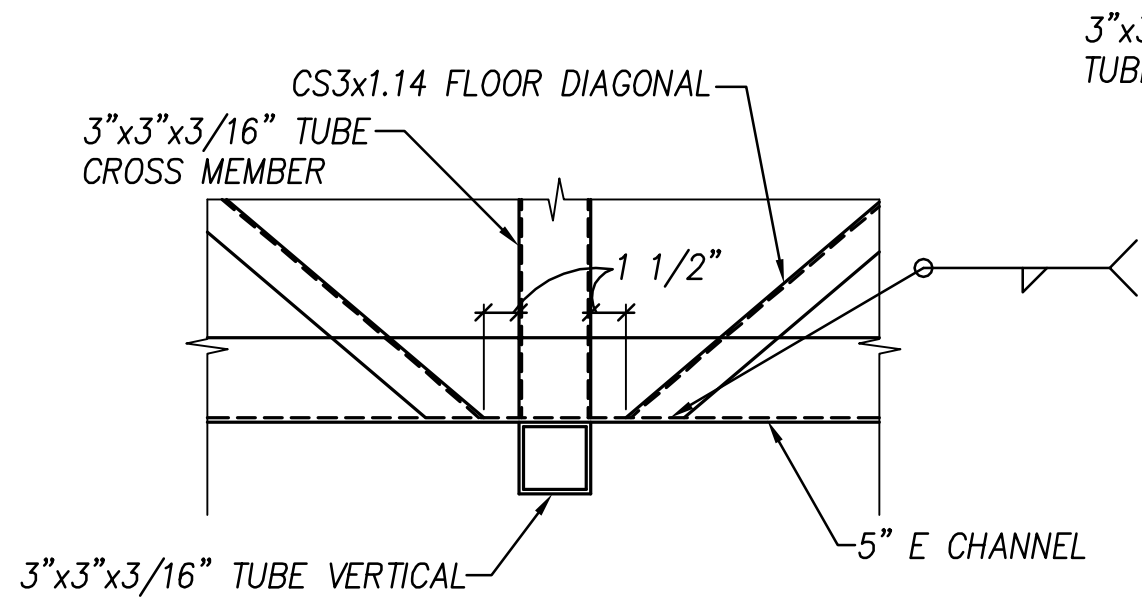
ROLLER END BOTTOM VIEW



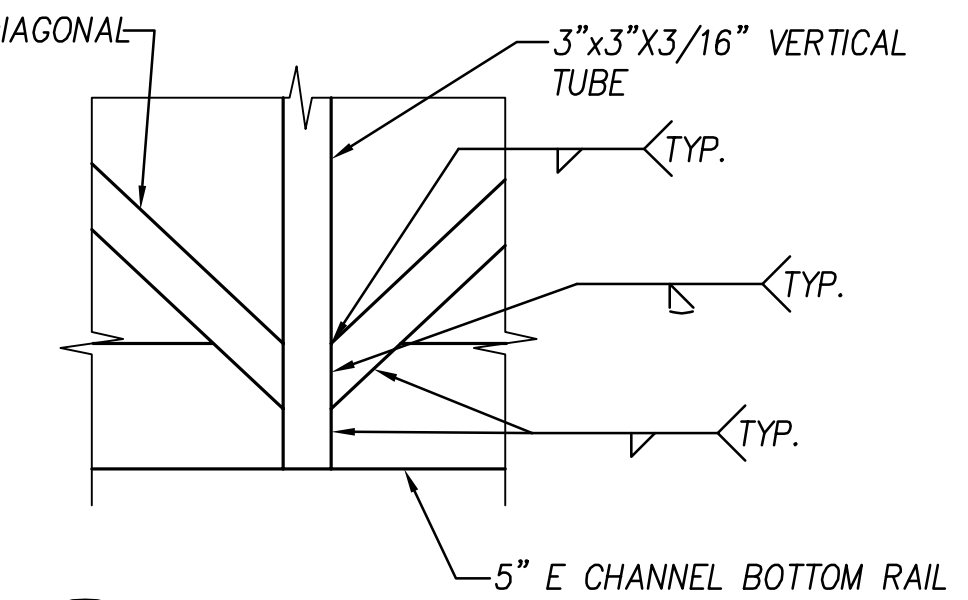
SECTION 3
SCALE 1 1/2" = 1'-0"



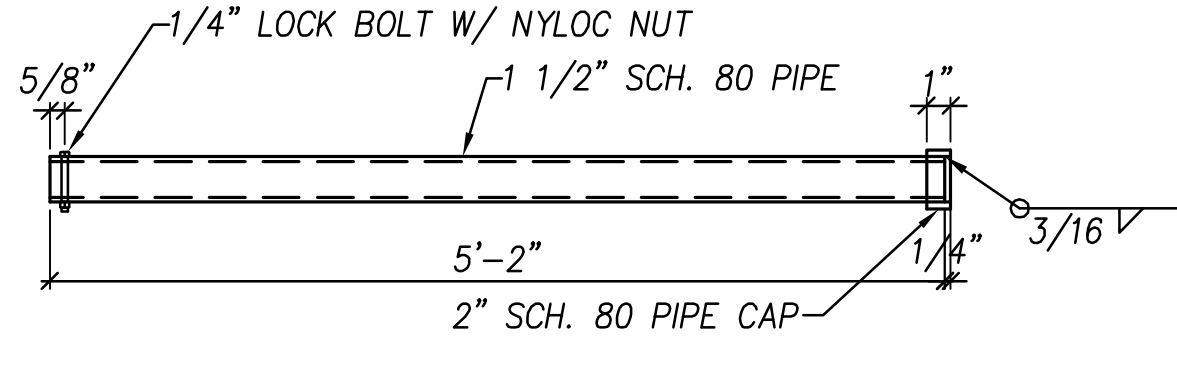
SECTION 4
SCALE 3" = 1'-0"



SECTION 5
SCALE 1 1/2" = 1'-0"



SECTION 6
SCALE 3" = 1'-0"



PIANO HINGE PIPE PIN DETAIL
N.T.S.

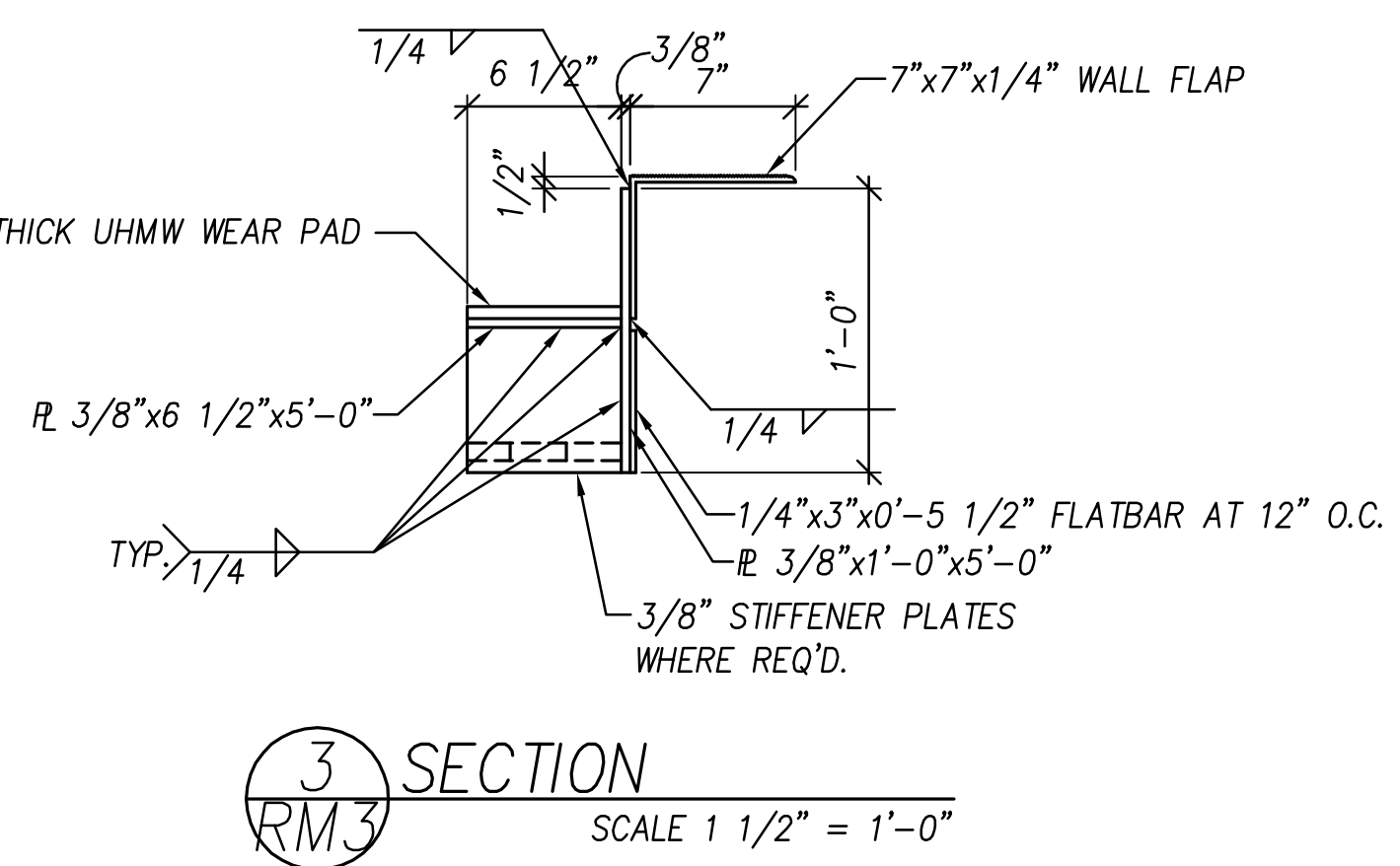
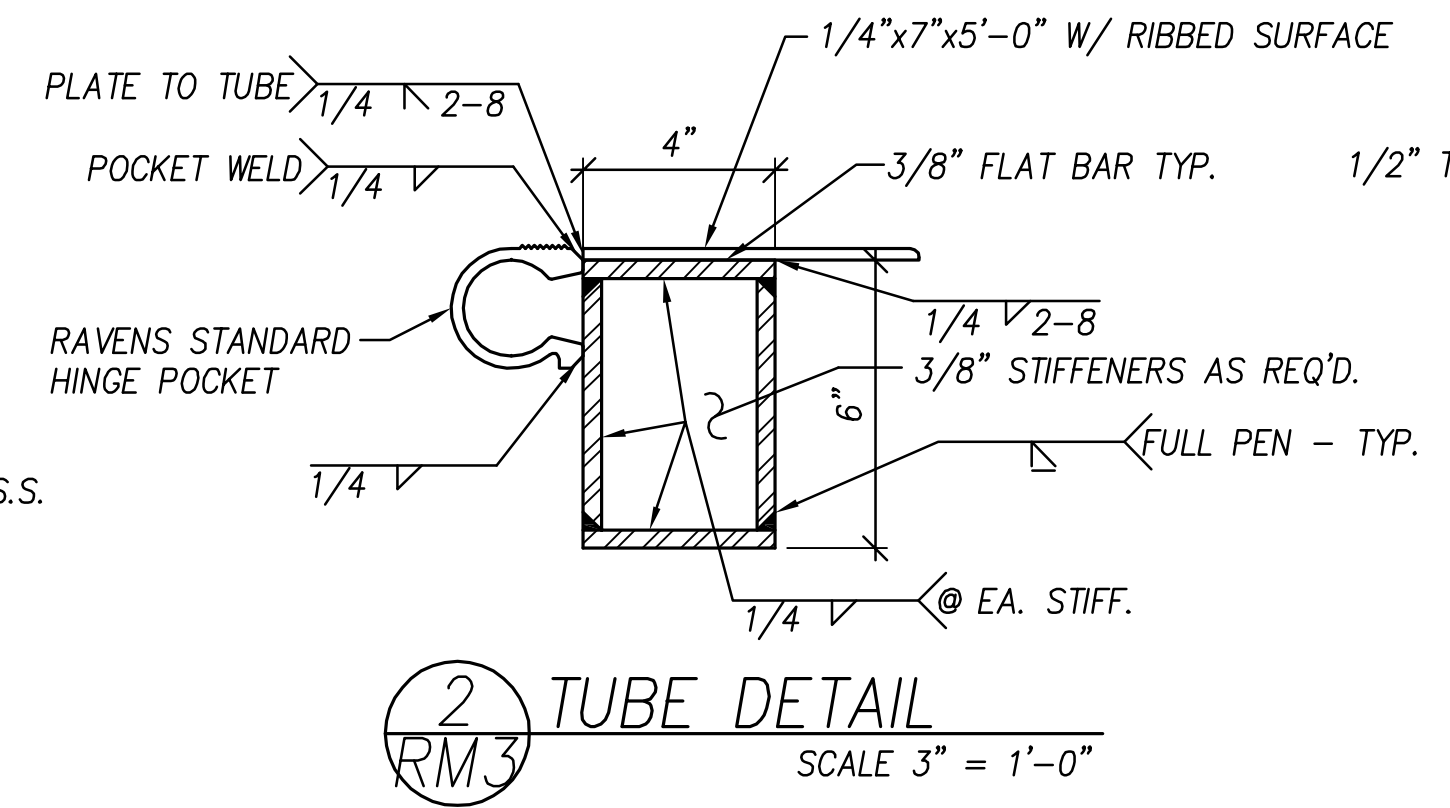
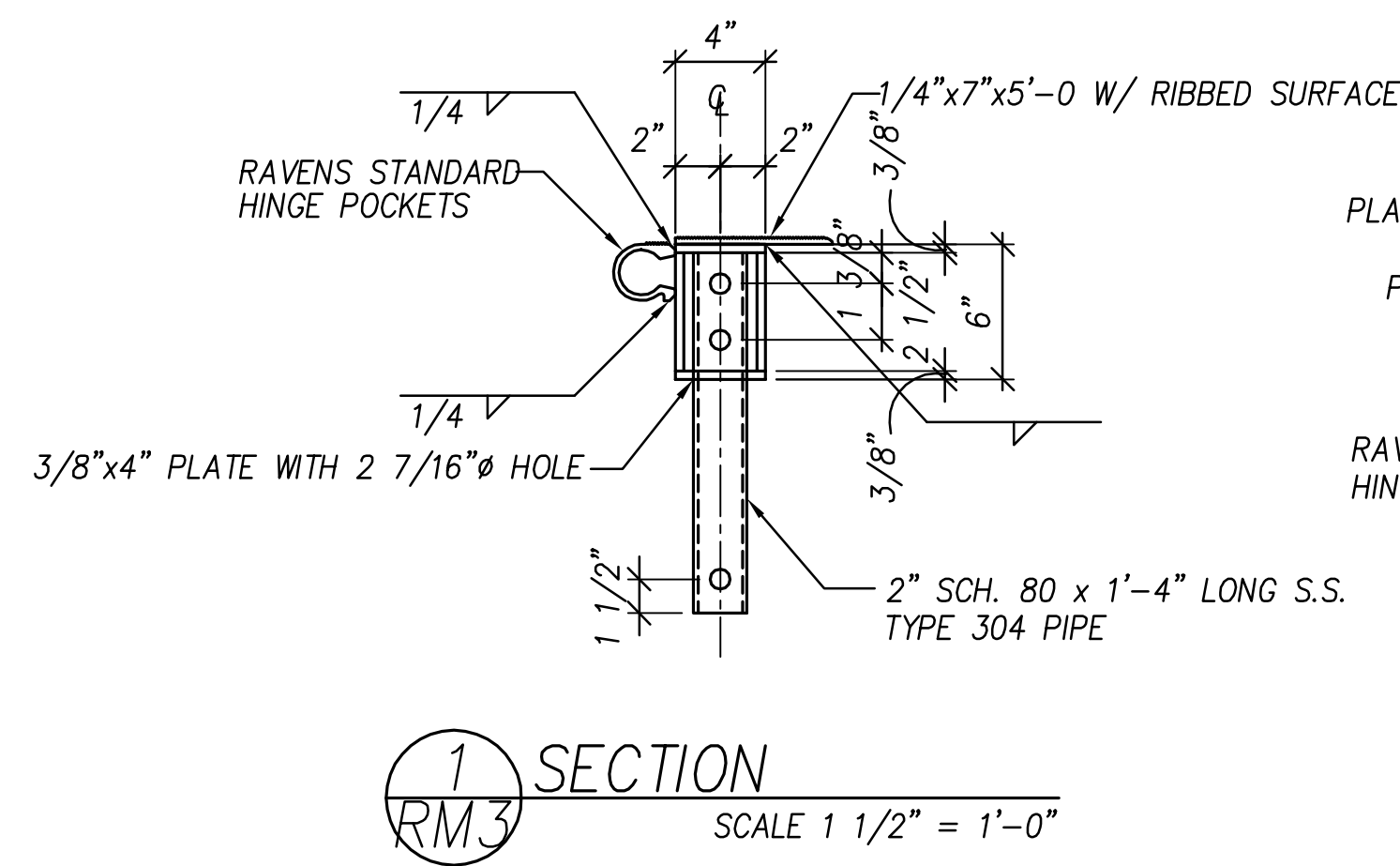
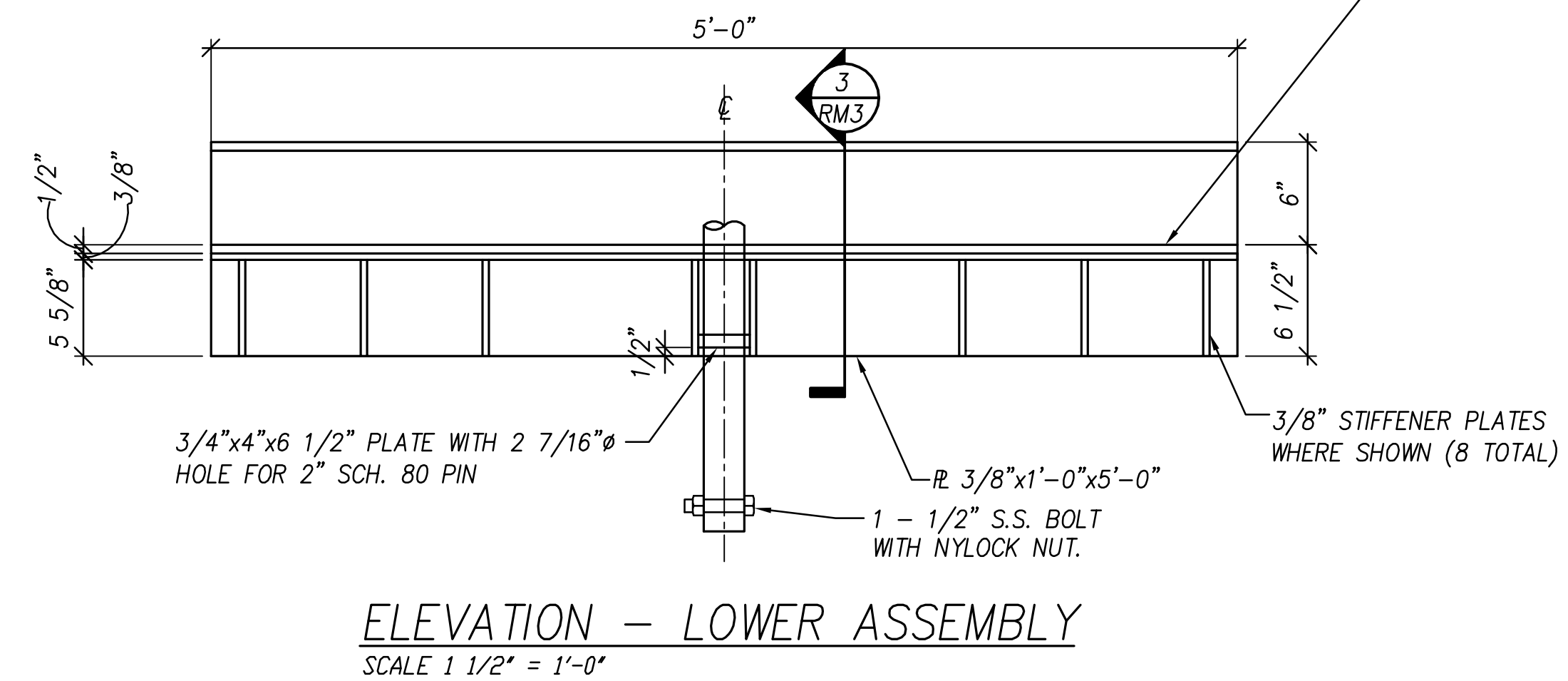
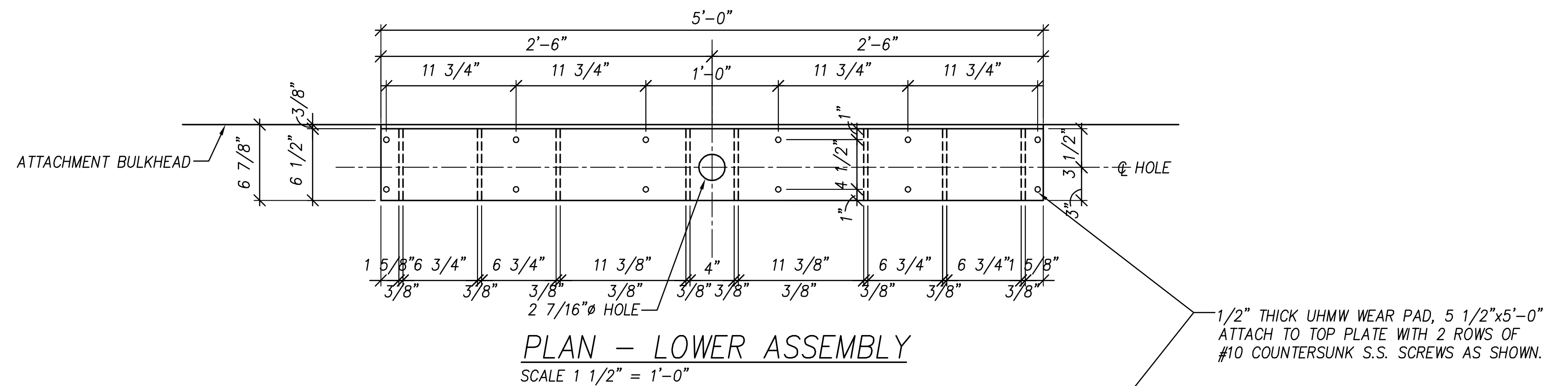
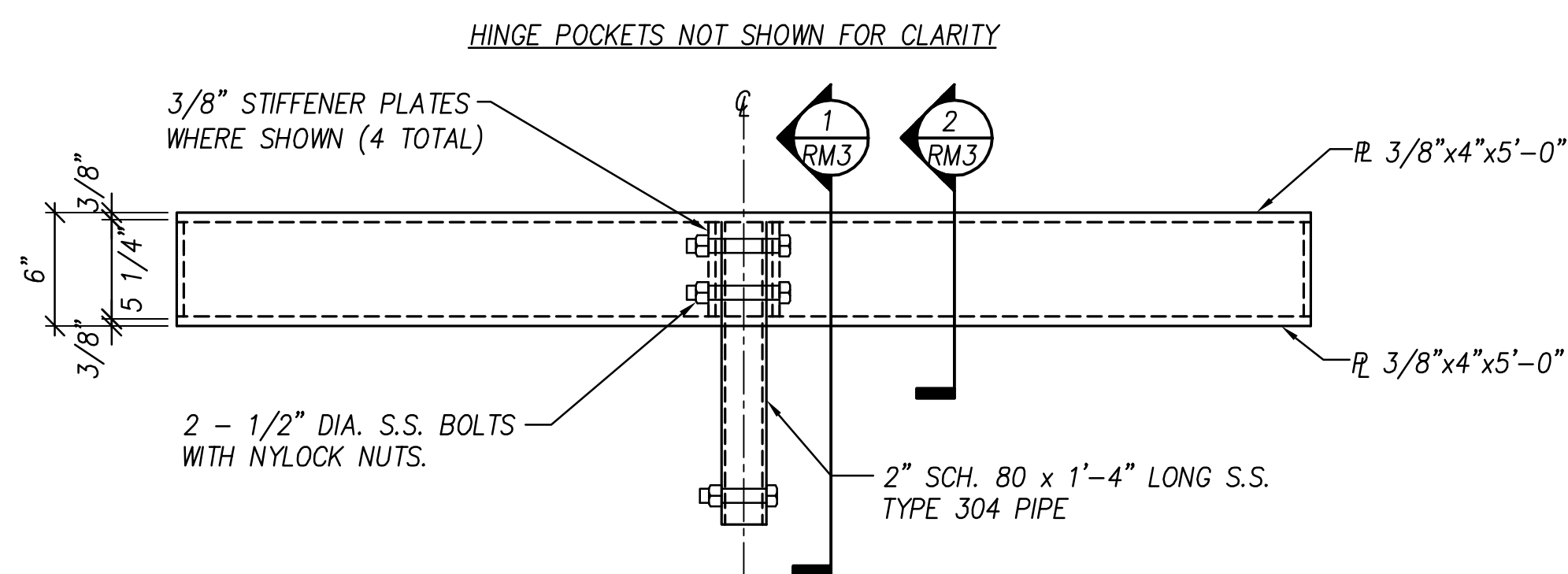
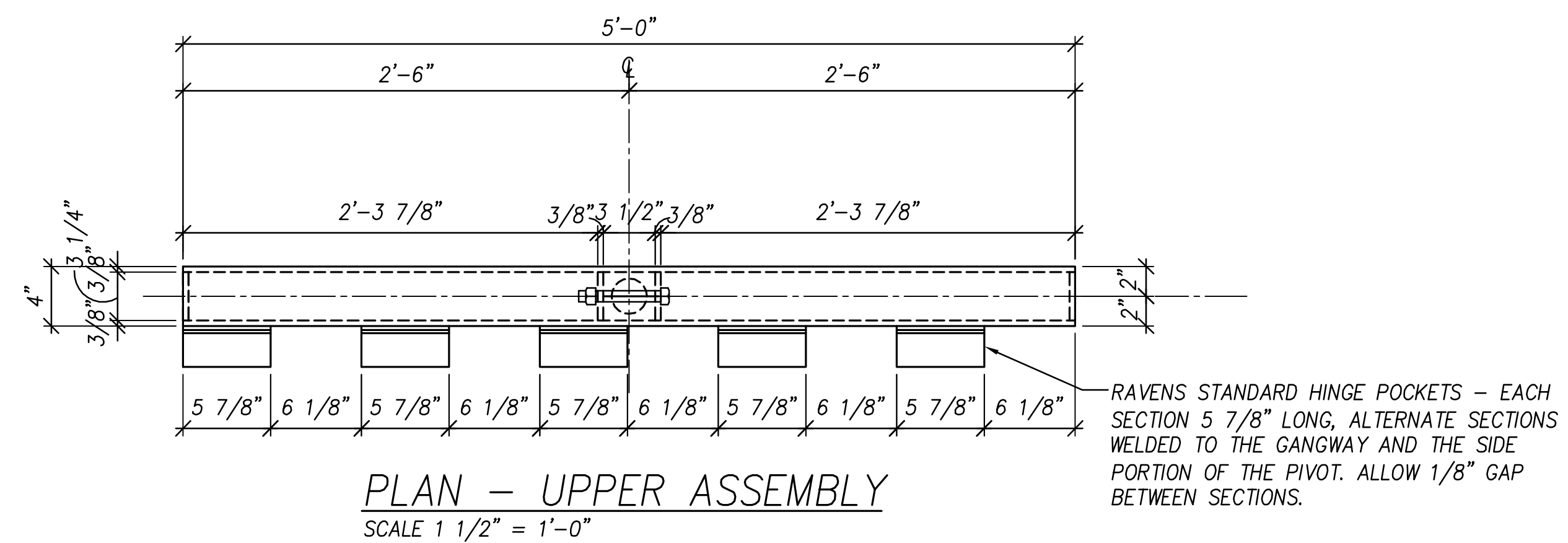
RAVENS MARINE INC.

3295 ORANGE AVENUE KISSIMMEE, FL
PHONE: 407-935-9799 FAX: 407-935-9436

SLIDELL MUNICIPAL MARINA AT HERITAGE PARK, SLIDELL, LA
G.C. MARINETEK NORTH AMERICA, INC.

5'-0" x 30'-0" MARINER-1 GANGWAY

DATE: 5/12/17 SHEET: 2 OF 3 DWG NO.: RM-2



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PHONE: 407-935-9799 FAX: 407-935-9436

SLIDELL MUNICIPAL MARINA AT HERITAGE PARK, SLIDELL, LA
G.C. MARINETEK NORTH AMERICA, INC.

5.0' WIDE 5th WHEEL HINGE DETAILS

DATE: 5/12/17 SHEET: 3 OF 3 DWG NO.: RM-3



SECTION 2

MARINA ELECTRICAL EQUIPMENT (MEE)

MARINETEK NORTH AMERICA, INC.

ADDRESS

222 14th. Avenue S.
St Petersburg, FL 33701

TEL +1 877 909 3625
FAX +1 561 832 8768

EMAIL info@marinetek.us
WEBSITE www.marinetek.net



*Highest Quality Weatherproof
Electrical Equipment*

Marina Electrical Equipment, Inc.
100 Warwick Court
Williamsburg, VA 23185
Toll Free: 1-855-258-3939
Fax: 757-258-3988
Web: www.marinaelectricalequipment.com

*Complimentary Electrical Design and Layout Services Provided for:
Marinetek*

Project: Slidell Marina
Original Design Date: 3/25/16
Rev.1: 5/12/17 **Rev.4:** -
Rev.2: 8/31/17 **Rev.5:** -
Rev.3: - **Rev.6:** -
Contact: Kyle Collins
Street: 222 14th Avenue South
City, State, Zip: St. Petersburg, FL 33701
Phone: 877-909-4511
Fax: 561-832-8768
E-mail: Kyle.Collins@marinetek.us

Filenames:
Layout Drawing: Slidell Marina 8-31-17.dwg
One-Line Diagram: -
Calculations Filename: Slidell Marina 8-31-17.xls

Primary Voltage: -
Secondary Voltage: 120/240V
Voltage Drop: 5% Cumulative
Wire Type: G-GC

Design Person: Chris Dolan **E-mail:** chrisdolan@marinaee.com
Salesperson: Chris Dolan

Thank you for the opportunity to provide an electrical design and quotation. Marina Electrical Equipment, Inc. (MEE) has provided the following electrical design as a complimentary service to assist you in planning your project. Please note that all wire lengths and electrical calculations are based on information provided to MEE by others. It is the responsibility of the customer to verify all equipment and wire lengths, and to determine that the electrical design meets all appropriate codes and standards before purchasing any equipment or material.

THIS DESIGN IS THE PROPERTY OF MARINA ELECTRICAL EQUIPMENT, INC. (MEE).

THE USE OF THIS DESIGN, IN WHOLE OR IN PART, WITHOUT THE EXPRESS WRITTEN PERMISSION OF MEE IS PROHIBITED.

IF THIS DESIGN, IN WHOLE OR IN PART, IS USED FOR PURCHASING SIMILAR COMPETITIVE EQUIPMENT, THE COMPLETE CHARGE OF THE DESIGN WILL BE BILLED TO THE INITIATING PARTY ON THE BASIS OF TIME SPENT ON THE PROJECT AT A RATE OF \$300.00 PER HOUR

Project Name: **SlideII Marina**
 Original Design Date: **3/25/2016** **Rev.1: 5/12/17** **Rev.2 8/31/17** **Rev.3 -** **Rev.4 -** **Rev.5 -** **Rev.6 -**
 Panel: **A**

Circuit ID	Phase	Phase Adj	Voltage	Receptacles					Total Line Current	Total Line kW	Total Rec.	Demand Factors		Power Factor	Dem. Current	Dem. kW	CB Size	CB Poles	Cable						
				20A GFCI, 125V	30A, 125V	50A, 125/250V	100A 1Ø, 125/250V	100A 3Ø, 120/208Y				Rec.	Meter						Cable Type	Cable Length	Resist.	Size	Qty. Cond.	GND.	VD%
A -1	1	2	120 / 240			2			100.00	12.00	2	100%	90%	1	90.00	21.60	100	2	G-GC	170	0.1900	#2	3	Incl.	2.42%
A -2	1	2	120 / 240			2			100.00	12.00	2	100%	90%	1	90.00	21.60	100	2	G-GC	120	0.3100	#4	3	Incl.	2.79%
A -3	1	2	120 / 240			2			100.00	12.00	2	100%	90%	1	90.00	21.60	100	2	G-GC	70	0.3100	#4	3	Incl.	1.63%
A -4	1	2	120 / 240			2			100.00	12.00	2	100%	90%	1	90.00	21.60	100	2	G-GC	65	0.3100	#4	3	Incl.	1.51%
A -5	1	2	120 / 240			2			100.00	12.00	2	100%	90%	1	90.00	21.60	100	2	G-GC	115	0.3100	#4	3	Incl.	2.67%
A -6	1	2	120 / 240			2			100.00	12.00	2	100%	90%	1	90.00	21.60	100	2	G-GC	165	0.1900	#2	3	Incl.	2.35%
A -7	1	2	120 / 240			2			100.00	12.00	2	100%	90%	1	90.00	21.60	100	2	G-GC	215	0.1500	#1	3	Incl.	2.42%
A -8	1	2	120 / 240			2			100.00	12.00	2	100%	90%	1	90.00	21.60	100	2	G-GC	265	0.1500	#1	3	Incl.	2.98%
A -9	1	2	120 / 240			2			100.00	12.00	2	100%	90%	1	90.00	21.60	100	2	G-GC	320	0.1200	#1/0	3	Incl.	2.88%
Panel	1	2	120 / 240	0	0	18	0	0	SEE PANEL SCHEDULE										G	75	0.0310	Two (2) #4/0	4	Incl.	1.10%

Panel Schedule: Panel: A																
Service Voltage: 120 / 240			Phase: 1							Bussing: Tin Plated Copper			kAIC: 22		Fully Rated	
Circuit ID	CB Size	CB Poles	AØ kW	BØ kW	CØ kW	Ø Bal.	AØ kW	BØ kW	CØ kW	CB Poles	CB Size	Circuit ID				
A -1	100	2	12.00			AØ	12.00			2	100	A -2				
A -3	100	2	12.00			AØ	12.00			2	100	A -4				
A -5	100	2	12.00			AØ	12.00			2	100	A -6				
A -7	100	2	12.00			AØ	12.00			2	100	A -8				
A -9	100	2	12.00			AØ	0.00			2	30	A -10				
A -11	SPACE	2	0.00			AØ	0.00			2	SPACE	A -12				
A -13	0	2	0.00			AØ	0.00			2	0	A -14				
A -15	0	2	0.00			AØ	0.00			2	0	A -16				
A -17	0	2	0.00			AØ	0.00			2	0	A -18				

Disconnect Schedule: Panel: A	
Voltage:	120/208V
Demand Current:	567.00
Size (Amps):	600
Poles:	2
Method:	Enclosed Circuit breaker
Enclosure:	N3R SS Freestanding
Location:	On Shore

TOTAL PHASE BALANCE					
AØ kW		BØ kW		CØ kW	
108.00		0.00		108.00	
Total Connected kW:	216.00	Demand kW:	136.08	SPD (ka/Phase):	100kA
Total Receptacles:	18	Demand Current:	567.00	GFCI Monitor (mA Setting):	100mA - Indicator Only
Demand Factors:	Rec: 70%	Demand kVA:	136.08	Enclosure Type:	N3R Stainless Steel
	Meter: 90%	Shunt-Trip MCBI SII E (GFCI):	600		
	PF: 1.000	Poles:	2		

NOTE: P Calculated as P=I²E*cos(Ø)

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Project Name: Slidell Marina
 Original Design Date: 3/25/2016
 Panel: B
 Rev.1: 5/12/17 Rev.2 8/31/17 Rev.3 - Rev.4 - Rev.5 - Rev.6 -

Circuit ID	Phase	Phase Adj	Voltage	Receptacles					Total Line Current	Total Line kW	Total Rec.	Demand Factors		Power Factor	Dem. Current	Dem. kW	CB Size	CB Poles	Cable						
				20A GFCI, 125V	30A, 125V	50A, 125/250V	100A 1Ø, 125/250V	100A 3Ø, 120/208Y				Rec.	Meter						Cable Type	Cable Length	Resist.	Size	Qty. Cond.	GND.	VD%
1-1	1	2	120 / 240			1			50.00	6.00	1	100%	90%	1	45.00	10.80	50	2	G-GC	50	0.7800	1/8	3	Incl.	1.46%
1-2	1	2	120 / 240			2			100.00	12.00	2	100%	90%	1	90.00	21.60	100	2	G-GC	85	0.3100	1/4	3	Incl.	1.98%
1-3	1	2	120 / 240			2			100.00	12.00	2	100%	90%	1	90.00	21.60	100	2	G-GC	130	0.3100	1/4	3	Incl.	3.02%
1-4	1	2	120 / 240			2			100.00	12.00	2	100%	90%	1	90.00	21.60	100	2	G-GC	175	0.1900	1/2	3	Incl.	2.49%
1-5	1	2	120 / 240			3			150.00	18.00	3	100%	90%	1	135.00	32.40	150	2	G-GC	235	0.1000	1/2	3	Incl.	2.64%
Panel	1	2	120 / 240	0	0	10	0	0	SEE PANEL SCHEDULE										INFORMATION NOT AVAILABLE						

Panel Schedule: Panel: B														
Service Voltage: 120 / 240			Phase: 1			Bussing: Tin Plated Copper			kAIC: 22			Fully Rated		
Circuit ID	CB Size	CB Poles	AØ kW	BØ kW	CØ kW	Ø Bal.	AØ kW	BØ kW	CØ kW	Ø Bal.	CB Poles	Circuit ID		
1-1	50	2	6.00			A	12.00				2	100		
					6.00	C			12.00			1-2		
1-3	100	2	12.00			A	12.00				2	100		
					12.00	C			12.00			1-4		
1-5	150	2	18.00			A	0.00				2	30		
					18.00	C			0.00			SP		
1-7	SPACE	2	0.00			A	0.00				2	SPACE		
					0.00	C			0.00			1-8		
TOTAL PHASE BALANCE														
			AØ kW	BØ kW			CØ kW							
			60.00	0.00			60.00							
Total Connected kW:			120.00	Demand kW:			86.40	SP (ka/Phase):			100kA			
Total Receptacles:			10	Demand Current:			360.00	GFCI Monitor (mA Setting):			100mA - Indicator Only			
Demand Factors:			Rec: 80%	Demand kVA:			86.40	Enclosure Type:			N3R Stainless Steel			
			Meter: 90%	Shunt-Trip MCB			400							
			PF: 1.000	Poles:			2							

NOTE: P Calculated as $P=I^2E \cdot \cos(\theta)$

Thank you for the opportunity to provide an electrical design and quotation. Marina Electrical Equipment, Inc. (MEE) has provided this electrical design as a complimentary service to assist you in planning your project. Please note that all wire lengths and electrical calculations are based on information provided to MEE by others. It is the responsibility of the customer to verify all equipment and wire lengths, and to determine that the electrical design meets all appropriate codes and standards before purchasing any equipment or material.

G-GC 2000V

Portable Power Cable 90°C UL C(UL) MSHA Industrial Grade



SPECIFICATIONS & STANDARDS

ASTM B 33, UL 44, UL 1581

CONSTRUCTION:

- Conductors:** Flexible strand tin copper, Class I UL44 and ASTM B 33
- Insulation:** Ethylene-propylene rubber (EPR)
- Grounding conductors:** Tin copper, insulation color: green
- Ground check:** Yellow polypropylene-insulated tin copper conductor
- Assembly:** Three power, ground check and two EPR insulated grounding conductors cabled together to form round core
- Separator:** Single faced rubber filled binder tape applied overall
- Jacket:** Black heavy duty, integral-filled CPE thermoset compound, UL 1581
- Color Code:** table 3-4; Black, white, red

FEATURES	APPLICATION
<ul style="list-style-type: none"> - Excellent flexibility - Ozone, sun, weather and flame resistant - Rated and flexible at -40°C to 90°C - Excellent impact and abrasion resistant - Oil and heat resistant 	<ul style="list-style-type: none"> - Use on AC off track equipment such as miners, shuttle cars, cutting machines, loading machines, drills, conveyors, and pumps - Power to open pit strip and deep mines - For applications requiring ground check conductor for added safety.

APPROVALS:

- UL:** E207132 – Oil Resistant; Oil Resistant Inners; Sunlight Resistant; 90C Wet or Dry
- C(UL):** E207132 – FT1; FT5; -40°C +90°C
- MSHA:** P-7K-268101

3 CONDUCTOR

Part Number	Power Conductor Size	Power Conductor Stranding	Size		Nominal Insulation Thickness	Nominal Jacket Thickness	Nominal O.D.		Approx. Weight		Ampacity (1) 30°C Ambient Temp.
			Ground	Ground Check			inches	mm	lbs/1000 ft	kgs/km	
	AWG or MCM	No. of Stranding	AWG	AWG	inches	inches	inches	mm	lbs/1000 ft	kgs/km	A
GGC8-3	8 AWG	133 7x19	10	10	0.060	0.141	0.99	25.1	661	983	65
GGC6-3	6 AWG	133 7x19	10	10	0.060	0.141	1.05	26.6	781	1162	87
GGC4-3	4 AWG	259 7x37	8	10	0.060	0.125	1.12	28.4	1013	1507	114
GGC2-3	2 AWG	259 7x37	7	10	0.060	0.141	1.29	32.8	1413	2103	152
GGC1-3	1 AWG	259 7x37	6	8	0.080	0.141	1.41	35.8	1716	2554	177
GGC1/0-3	1/0 AWG	266 19x14	5	8	0.080	0.156	1.54	39.0	2096	3119	205
GGC2/0-3	2/0 AWG	342 19x18	4	8	0.080	0.156	1.60	40.6	2466	3670	237
GGC3/0-3	3/0 AWG	418 19x22	2	8	0.080	0.156	1.74	44.3	2982	4437	274
GGC4/0-3	4/0 AWG	532 19x28	2	8	0.080	0.172	1.88	47.7	3627	5397	316
GGC250-3	250 MCM	627 19x33	2	8	0.095	0.240	2.26	57.3	4568	6798	352
GGC350-3	350 MCM	888 37x24	1/0	8	0.095	0.240	2.48	63.1	6003	8933	433
GGC500-3	500 MCM	1221 37x33	2/0	8	0.095	0.270	2.87	72.8	8131	12099	536

(1) Ampacity - Free air measured. Based on continuous duty at 90°C conductor temperature per 2011 NEC Table 400.5(A)(2)

STANDARD PRINT LEGEND:

TF CABLE (SIZE) TYPE G-GC PORTABLE POWER CABLE 2000V 90C SUN RES OIL RES 90C WET OR DRY (UL) E207132 C(UL) FT1 FT5 (-40C) P-7K-268101-MSHA

SPECIAL FACTORY OPTIONS:

- Jacket:** Other colors available
- MSHA:** P-7K-268077 (Neoprene)
- CSA:** 1523058 (LR 103932) – FT1; FT5; 90C; (-40C) (Neoprene)
- Jacket:** TPU Other colors available
- MSHA:** P-07-KA030001 (TPU)

Portable Power Cable 90°C UL C(UL) MSHA Industrial Grade



SPECIFICATIONS & STANDARDS

ICEA S-75-381/NEMA WC58, ICEA S-95-658/NEMA WC70, ASTM B172, ASTM B 33, UL 44, UL 1581

CONSTRUCTION:

- Conductors:** Flexible strand tin copper, ASTM B-172 Class I and ICEA S-75-381/NEMA WC58
- Insulation:** Ethylene-propylene rubber (EPR); ICEA S-75-381 sec 3.15, table 3-10
- Grounding cond:** ICEA S-75-381; insulation color: green
- Assembly:** Four power and four EPR insulated grounding conductors cabled with rubber filler in center to form round core
- Separator:** Single faced rubber filled binder tape applied overall
- Jacket:** Black heavy duty CPE thermoset compound, ICEA S-75-381 sec 3.21, table 3-4
- Color Code:** ICEA S-75-381 sec 3.21 table 3-4; black, white, red, orange

FEATURES	APPLICATION
<ul style="list-style-type: none"> - Excellent flexibility - Ozone, sun, weather and flame resistant - Rated and flexible at -40°C to 90°C - Excellent impact and abrasion resistant - Oil and heat resistant 	<ul style="list-style-type: none"> - Use on AC off track equipment such as miners, shuttle cars, cutting machines, loading machines, drills, conveyors, and pumps - Power to open pit strip and deep mines

APPROVALS:

- UL:** E207132 – Oil Resistant; Oil Resistant Inners; Sunlight Resistant; 90C Wet or Dry
- C(UL):** E207132 - FT1; FT5; -40°C +90°C
- MSHA:** P-7K-268101

4 CONDUCTOR

Part Number	Power Conductor Size	Power Conductor Stranding	Grounding Conductor Size	Nominal Insulation Thickness	Nominal O.D.		Approx. Weight		Ampacity (1) 30°C Ambient Temp.
	AWG or MCM	No. and Diameters of Stranding	AWG	inches	inches	mm	lbs/1000ft	kgs/km	A
G8-4	8 AWG	133 7x19	12	0.060	0.99	25.1	748	1113	52
G6-4	6 AWG	259 7x37	12	0.060	1.10	27.9	910	1354	69
G4-4	4 AWG	259 7x37	10	0.060	1.27	32.3	1378	2050	91
G2-4	2 AWG	259 7x37	9	0.060	1.48	37.6	1914	2848	121
G1-4	1 AWG	259 7x37	8	0.080	1.68	42.7	2311	3439	141
G1/0-4	1/0 AWG	266 19x14	7	0.080	1.79	45.5	2810	4181	164
G2/0-4	2/0 AWG	342 19x18	6	0.080	1.93	49.0	3253	4842	189
G3/0-4	3/0 AWG	259 37x7	5	0.080	2.07	52.6	4099	6100	219
G4/0-4	4/0 AWG	532 19x28	4	0.080	2.26	57.4	4925	7329	252
G250-4	250 MCM	627 19x33	3	0.095	2.66	67.6	6060	9018	281
G350-4	350 MCM	888 37x24	1	0.095	2.98	75.7	8126	12093	346
G500-4	500 MCM	1221 37x33	1/0	0.095	3.40	86.4	10758	16010	428

(1) Ampacity - Free air measured. Based on continuous duty at 90°C conductor temperature per 2011 NEC Table 400.5(A)(2)

STANDARD PRINT LEGEND:

TF CABLE (SIZE) TYPE G PORTABLE POWER CABLE 2000V 90C SUN RES OIL RES 90C WET OR DRY (UL) E207132 C(UL) FT1 FT5 (-40C) P-7K-268101-MSHA

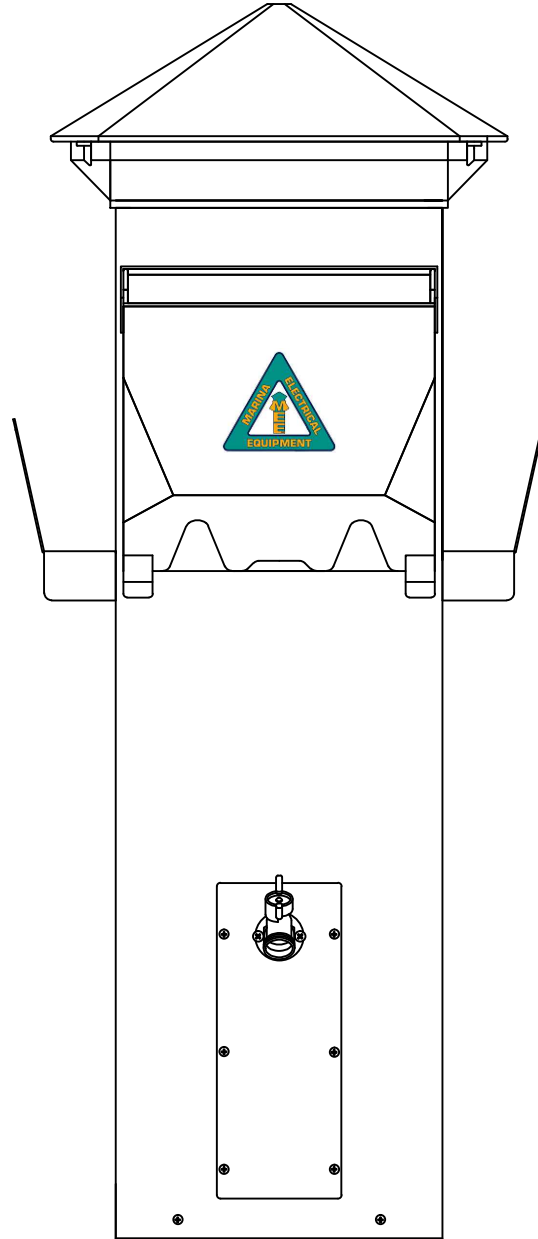
SPECIAL FACTORY OPTIONS:

- Jacket:** Other colors available
- MSHA:** P-7K-268077 (Neoprene)
- CSA:** 1523058 (LR 103932) – FT1; FT5; 90C; (-40C) (Neoprene)
- Jacket:** TPU Other colors available
- MSHA:** P-07-KA030001 (TPU)



Revised Project Specifications

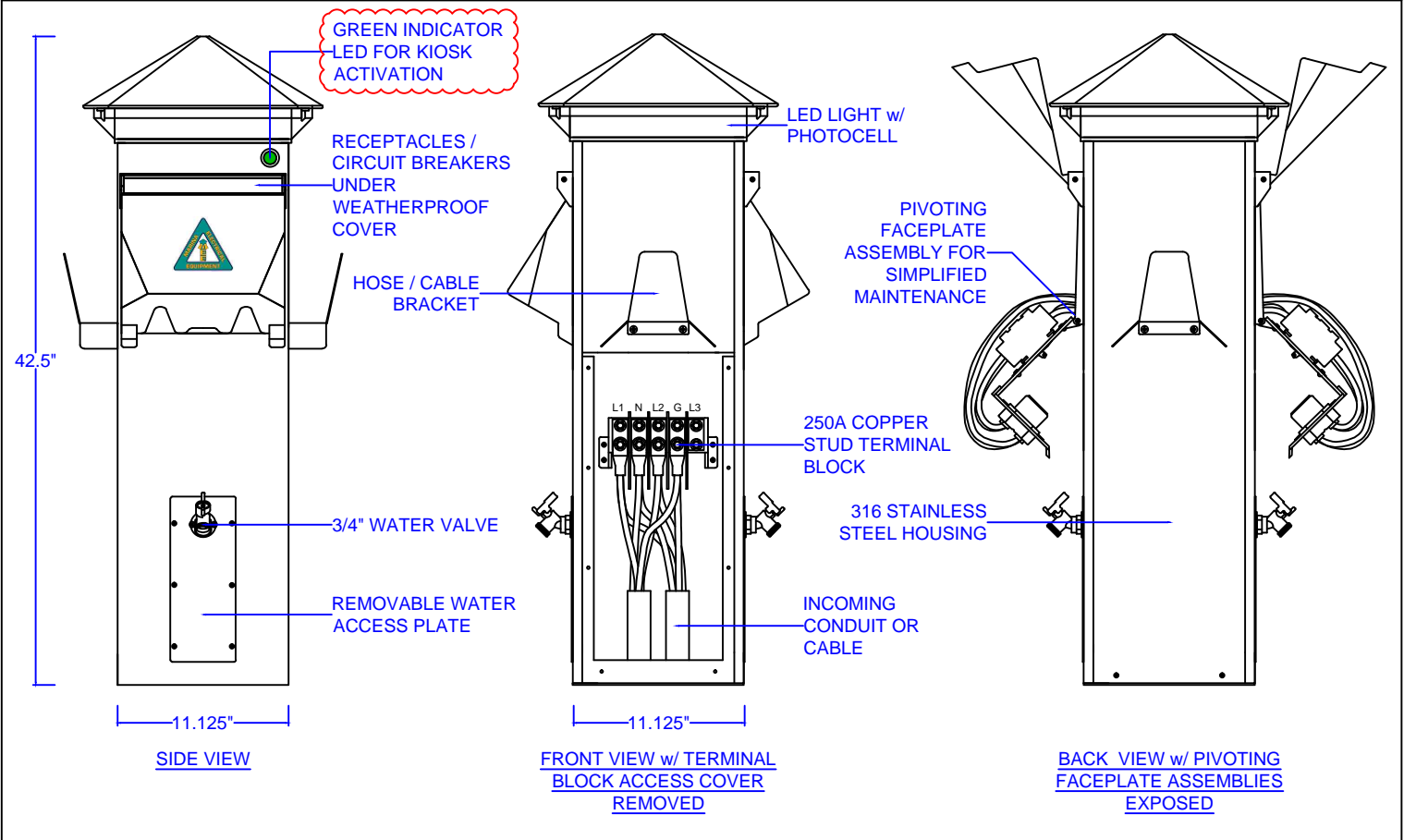
Slidell Marina



Marina Electrical Equipment, Inc.
100 Warwick Court
Williamsburg, VA 23185
Toll Free: 1-855-258-3939
Fax: 1-757-258-3988

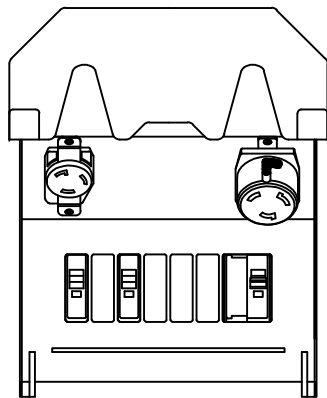


HARBOR LIGHT SS LAYOUT



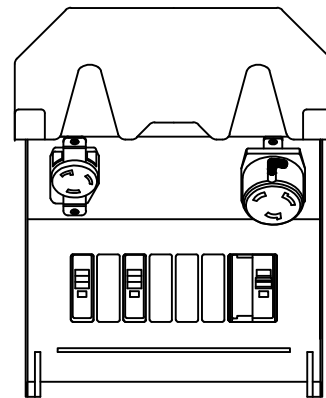
RECEPTACLES w/ CORRESPONDING BREAKERS UNDER WEATHERPROOF DOOR

SIDE 1



30A 125V TWIST-LOCK
50A 125/250V TWIST-LOCK

SIDE 2



30A 125V TWIST-LOCK
50A 125/250V TWIST-LOCK

SHEET	DATE	NO.	DATE	REV.	APPROVAL STATUS
1 of 4	08-31-17				<input type="checkbox"/> APPROVED
	DRAWN	CHECKED			<input type="checkbox"/> APPROVED WITH CORRECTIONS
	CLD	CLD			<input type="checkbox"/> REVISE AND RESUBMIT
	SCALE	NTS			
DOCUMENT	SUBMITTAL				



MARINA ELECTRICAL EQUIPMENT, INC.
 100 WARWICK COURT
 WILLIAMSBURG, VA 23185
 TEL: 1-855-258-3939
 FAX: 757-258-3988
 WEB: www.marinaelectricequipment.com

SPECIFICATION - P1
HARBOR LIGHT SS

HOUSING

316 STAINLESS STEEL w/
POLYCARBONATE TOP

LIGHTING

10W LED w/ PHOTOCCELL,
AMBER LENS, AND
BREAKER PROTECTION

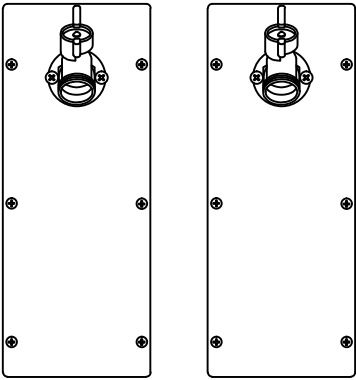
METERING

TWO (2) KWH METERS -
ONE PER SIDE

COMMUNICATIONS

none

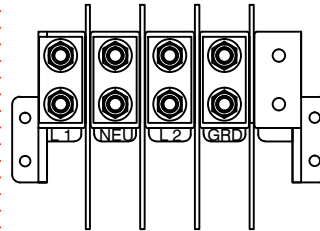
WATER ASSEMBLY



DUAL 3/4" BALL
VALVE HOSE
BIBS

PEX TUBING AND
COMPRESSION-TYPE
FITTINGS ARE
RECOMMENDED

TERMINAL BLOCK

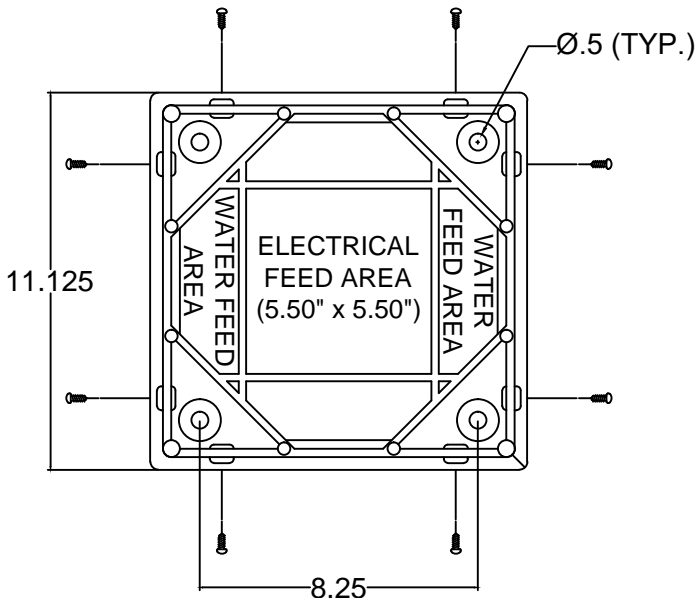


250A COPPER
STUD-LUG
TERMINAL BLOCK
- SINGLE PHASE

WARNING

TERMINATIONS OF THE LINES SHALL BE MADE BY MEANS OF **COPPER** COMPRESSION TERMINALS TO PLACE ON THE 3/8" STUD-LUG TERMINAL BLOCK AS DIRECTED BY THE WIRING DIAGRAM INSTRUCTIONS LOCATED INSIDE THE HOUSING. NEVER PLACE HARDWARE BETWEEN THE TERMINAL / BUS BAR CONNECTION. THIS CREATES A HIGH-RESISTANCE CONNECTION THAT COULD CAUSE OVERHEATING / FIRE. DO NOT ALTER FACTORY-SIDE CONNECTIONS. FACTORY WARRANTY WILL BE VOIDED.

BASE DIMENSIONS



SPECIAL

ADD TWO (2) GREEN LED
INDICATOR LIGHTS FOR
KIOSK ACTIVATION

INCOMING POWER TO BE
120/240V, SINGLE-PHASE

SHEET		DATE	NO.	DATE	REV.	APPROVAL STATUS
2 of 4		08-31-17				
DRAWN	CHECKED					<input type="checkbox"/> APPROVED
CLD	CLD					<input type="checkbox"/> APPROVED WITH CORRECTIONS
SCALE						<input type="checkbox"/> REVISE AND RESUBMIT
DOCUMENT						
SUBMITTAL						

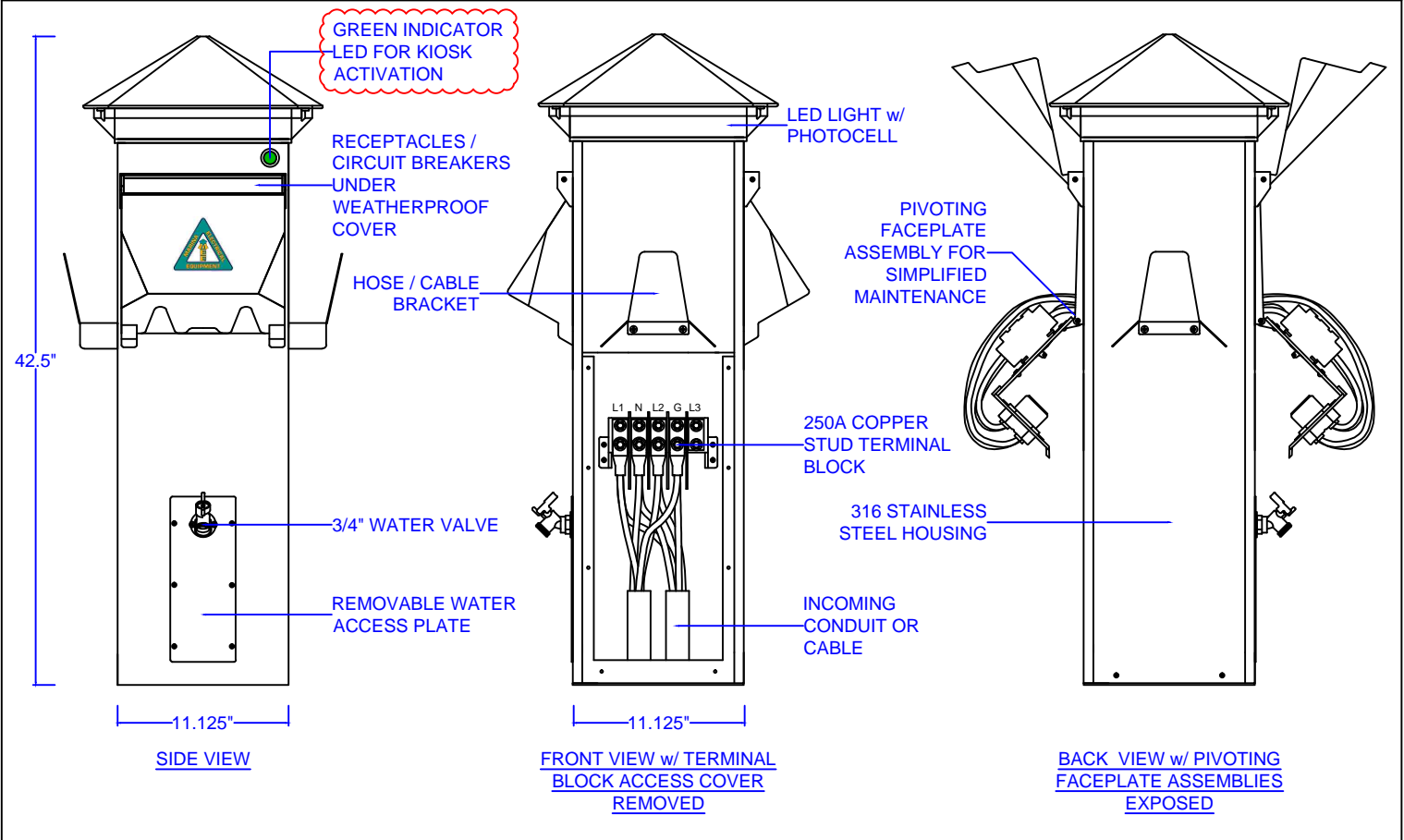


MARINA ELECTRICAL EQUIPMENT, INC.
100 WARWICK COURT
WILLIAMSBURG, VA 23185
TEL: 1-855-258-3939
FAX: 757-258-3988
WEB: www.marinaelectricequipment.com

SPECIFICATION - P1

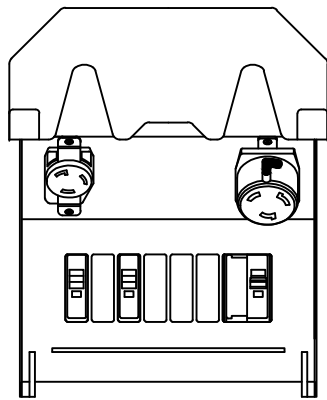
HARBOR LIGHT SS

HARBOR LIGHT SS LAYOUT



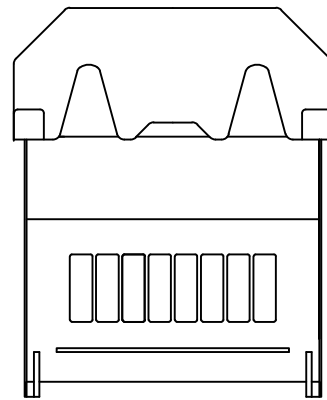
RECEPTACLES w/ CORRESPONDING BREAKERS UNDER WEATHERPROOF DOOR

SIDE 1



30A 125V TWIST-LOCK
50A 125/250V TWIST-LOCK

SIDE 2



BLANK

SHEET		DATE	NO.	DATE	REV.	APPROVAL STATUS
3 of 4		08-31-17				<input type="checkbox"/> APPROVED
DRAWN	CHECKED					<input type="checkbox"/> APPROVED WITH CORRECTIONS
CLD	CLD					<input type="checkbox"/> REVISE AND RESUBMIT
SCALE	DOCUMENT					
NTS	SUBMITTAL					



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100 WARWICK COURT
WILLIAMSBURG, VA 23185
TEL: 1-855-258-3939
FAX: 757-258-3988
WEB: www.marinaelectricequipment.com

SPECIFICATION - P2
HARBOR LIGHT SS

HOUSING

316 STAINLESS STEEL w/
POLYCARBONATE TOP

LIGHTING

10W LED w/ PHOTOCCELL,
AMBER LENS, AND
BREAKER PROTECTION

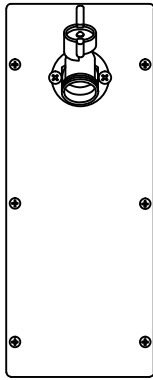
METERING

ONE (1) KWH METER

COMMUNICATIONS

none

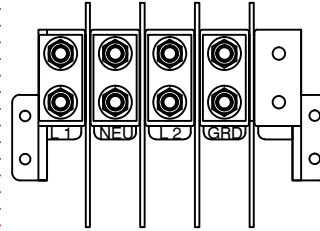
WATER ASSEMBLY



SINGLE 3/4" BALL
VALVE HOSE BIB

PEX TUBING AND
COMPRESSION-TYPE
FITTINGS ARE
RECOMMENDED

TERMINAL BLOCK

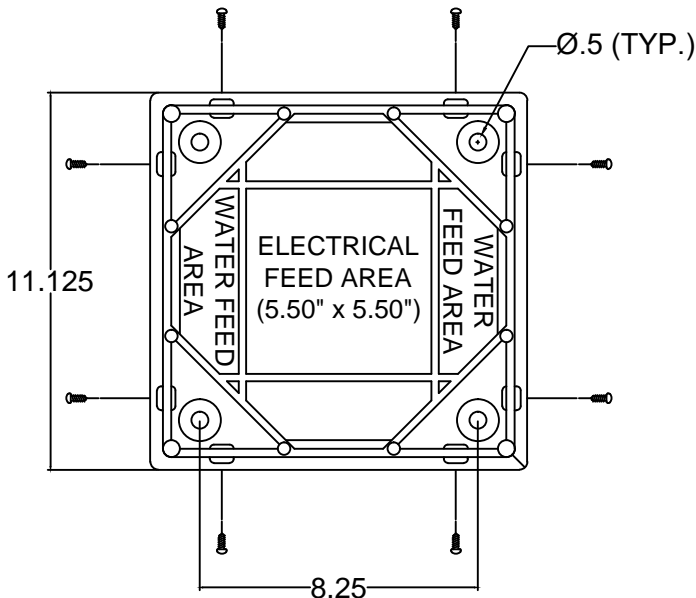


250A COPPER
STUD-LUG
TERMINAL BLOCK
- SINGLE PHASE

WARNING

TERMINATIONS OF THE LINES SHALL BE MADE BY MEANS OF **COPPER** COMPRESSION TERMINALS TO PLACE ON THE 3/8" STUD-LUG TERMINAL BLOCK AS DIRECTED BY THE WIRING DIAGRAM INSTRUCTIONS LOCATED INSIDE THE HOUSING. NEVER PLACE HARDWARE BETWEEN THE TERMINAL / BUS BAR CONNECTION. THIS CREATES A HIGH-RESISTANCE CONNECTION THAT COULD CAUSE OVERHEATING / FIRE. DO NOT ALTER FACTORY-SIDE CONNECTIONS. FACTORY WARRANTY WILL BE VOIDED.

BASE DIMENSIONS



SPECIAL

ADD ONE (1) GREEN LED
INDICATOR LIGHT FOR
KIOSK ACTIVATION

INCOMING POWER TO BE
120/240V, SINGLE-PHASE

SHEET	DATE	NO.	DATE	REV.	APPROVAL STATUS
4 of 4	08-31-17				<input type="checkbox"/> APPROVED
	DRAWN CLD	CHECKED CLD			<input type="checkbox"/> APPROVED WITH CORRECTIONS
	SCALE NTS				<input type="checkbox"/> REVISE AND RESUBMIT
	DOCUMENT SUBMITTAL				



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100 WARWICK COURT
WILLIAMSBURG, VA 23185
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WEB: www.marinaelectricequipment.com

SPECIFICATION - P2

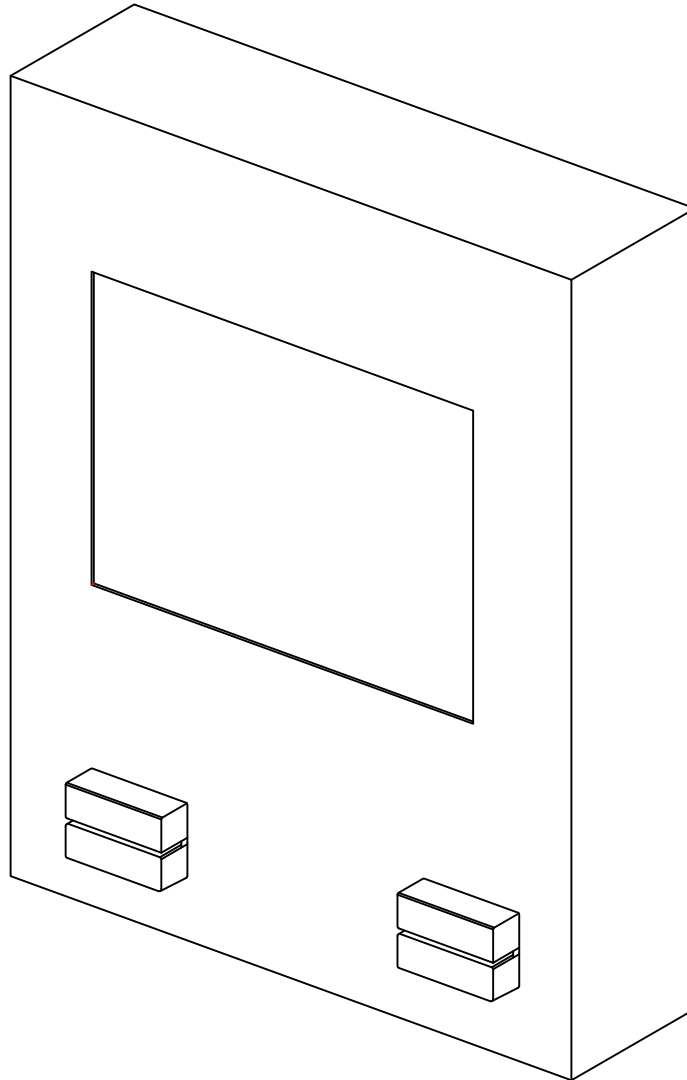
HARBOR LIGHT SS



Justified Automated Collections Kiosk (J-A-C-K)

Project Specifications

Slidell Marina



Marina Electrical Equipment, Inc.
100 Warwick Court
Williamsburg, VA 23185
Toll Free: 1-855-258-3939
Fax: 1-757-258-3988

Slidell Marina Project Specifications - J-A-C-K System

ALL J-A-C-K SYSTEMS SHALL MEET THE FOLLOWING SPECIFICATIONS:

SECTION A: ACCEPTABLE MANUFACTURERS:

Marina Electrical Equipment, Inc. Through AdComp Systems Inc.
100 Warwick Court
Williamsburg, VA 23185
Toll Free: 1-855-258-3939
Web: www.marinaelectricequipment.com

SECTION B: GENERAL REQUIREMENTS

1. Each Justified Automated Collections Kiosk (J-A-C-K) cabinet shall include a metal enclosure, distribution panel, touch PC, relay controller, credit card reader, and communications (WiFi, ethernet, or 4G).

SECTION C: CONSTRUCTION REQUIREMENTS

1. **Main Housing:** Shall be constructed of metal material per customer requirements. The housing shall be listed as a NEMA® Type 3R weatherproof enclosure.
2. **Interface System:** Shall be mounted inside of the main housing and consist of a touch-controlled interface, a credit card reader, and a relay-based controller board.

SECTION D: KIOSK HARDWARE / SOFTWARE

1. The Power Outlet Payment System shall consist of a touch-screen computer / interface with hard-wired or wireless (WiFi or 4G) capable through Windows®.
2. The system shall accept credit card payments.
3. System users shall be allowed to pay for slip usage at the dock.
4. The system shall be equipped with a receipt printer that is capable of printing a 2-inch thermal paper receipt for every transaction. Customized receipt print-outs are available.
5. The system shall provide real-time, on-line reports of every transaction.
6. The system shall be capable of providing statistics / graphs organized by time of day, day of week, month or year, or year.
7. The kiosk shall be able to control any number of slips / parking locations.
8. The kiosk shall be able to collect payment for multiple events, services, products, etc...

Sample Crude Screens – To show concept.

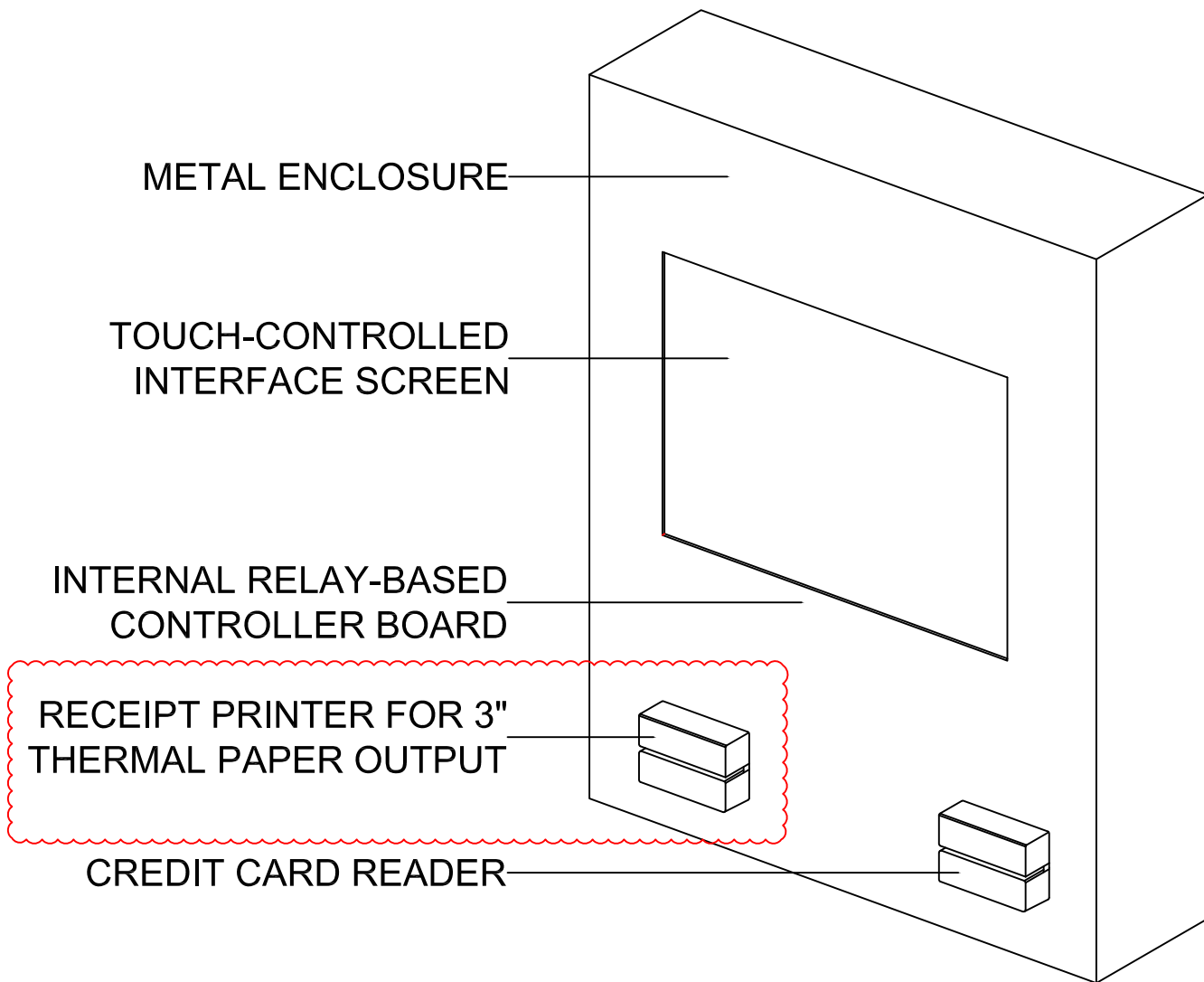
The screenshot shows a kiosk interface with a title "HOW LONG WOULD YOU LIKE POWER FOR?". It features a table with columns for "Rate", "Quantity", and "Amount". The table lists three power options: "1 HOUR" at \$5, "24 HOURS" at \$40, and "7 DAYS" at \$250. Each row has an "Add" button. Below the table, there are sections for "SPECIAL EVENTS & PASSES & DONATIONS". The first event is "FAMILY FUN DAY ON APRIL 5 AT 9:30" with a rate of \$5 and an "Add Ticket" button. The second event is "GUIDED BIRD WALK EVERY SATURDAY 9:30 AM and Sunday at 12:30" with a rate of \$3 and an "Add Ticket" button. The third event is "DONATION TO SPI BIRD & NATURE" with a rate of \$1 per unit and an "Add Unit" button. To the right of the table, there are summary fields: "Total No. of Tickets: 0", "Total Units of Donation: 0", and "Total Amount: 0". At the bottom, there are three buttons: "Clear Above Selection", "Cancel", and "Proceed".

	Rate		Quantity	Amount
HOUR	\$5	Add	0	0
24 HOURS	\$40	Add	0	0
7 DAYS	\$250	Add	0	0
SPECIAL EVENTS & PASSES & DONATIONS				
FAMILY FUN DAY ON APRIL 5 AT 9:30				
	\$5	Add Ticket	0	0
GUIDED BIRD WALK EVERY SATURDAY 9:30 AM and Sunday at 12:30				
	\$3	Add Ticket	0	0
DONATION TO SPI BIRD & NATURE				
(\$1 per unit)	\$1	Add Unit	0	0

Total No. of Tickets: 0
Total Units of Donation: 0
Total Amount: 0

Clear Above Selection Cancel Proceed

Slidell Marina Project Specifications - J-A-C-K System



Sample Screens

Marina Name
Power Outlet Payment System
Please Select Your Slip#

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
Cancel		NEXT		

Gray buttons are already in use.
Red buttons are available

Marina Name
A. POPS
Power Outlet Payment System

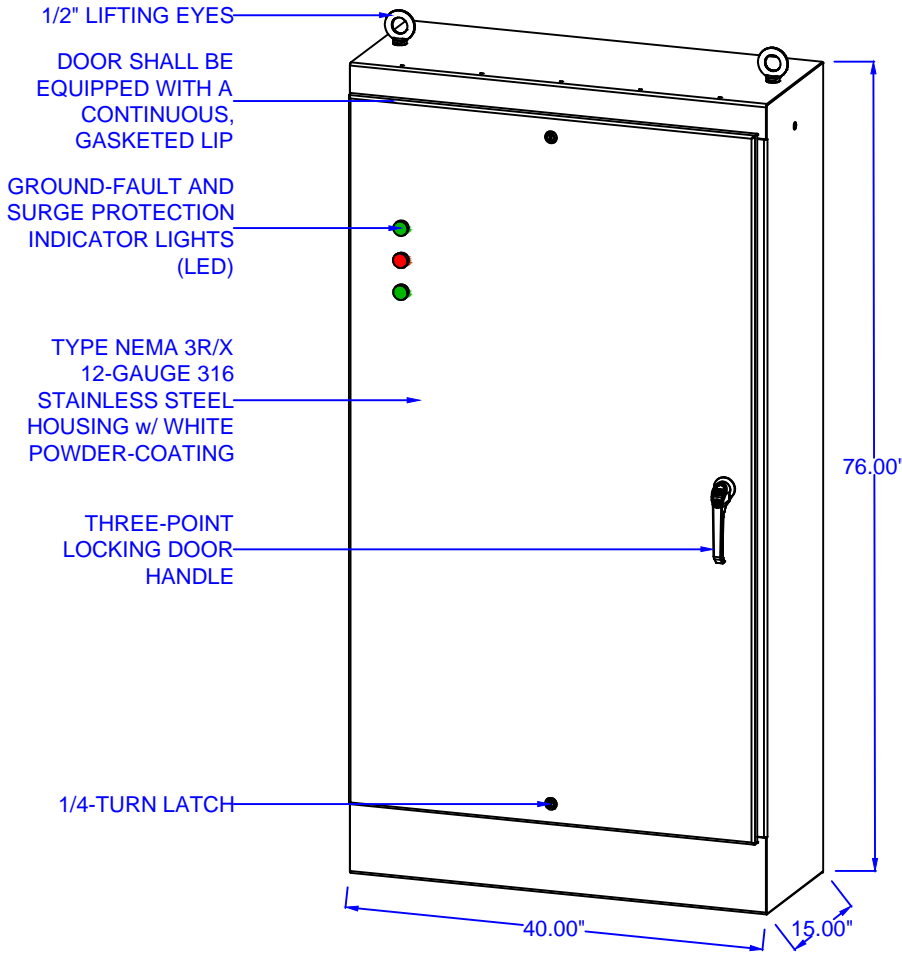
Please Swipe your card as shown
You are paying for 2 days and 3 hours

\$95

Slip No. 33



PANELBOARD - ISOMETRIC VIEW



HOUSING

TYPE NEMA 3R/X 12 GA. 316 STAINLESS STEEL (MEE5-76EL4015SSFS)

VOLTAGE / PHASE

120/240V 1-Phase

kAIC / RATING

22kAIC

SURGE DEVICE

100kA

GROUND-FAULT MONITORING

Single-Source Monitor Tied to Main Circuit Breaker - For Indication Only (100mA - No Trip)

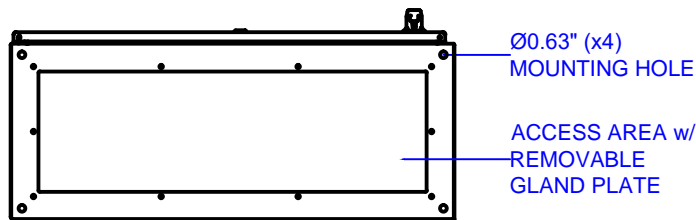
MAIN SIZE / TYPE

600/2P Main Breaker

BRANCH BREAKERS

(9) 100/2P (Pedestals)
(1) 30/3P - SPD

BASE DIMENSIONS



BOTTOM VIEW w/ GLAND PLATE REMOVED

PANELBOARD INCLUDES A REMOVABLE ALUMINUM GLAND PLATE

SHEET	DATE	NO.	DATE	REV.	APPROVAL STATUS
1 of 4	08-31-2017				<input type="checkbox"/> APPROVED
	CLD	CLD			<input type="checkbox"/> APPROVED WITH CORRECTIONS
	NTS				<input type="checkbox"/> REVISE AND RESUBMIT
	SUBMITTAL				

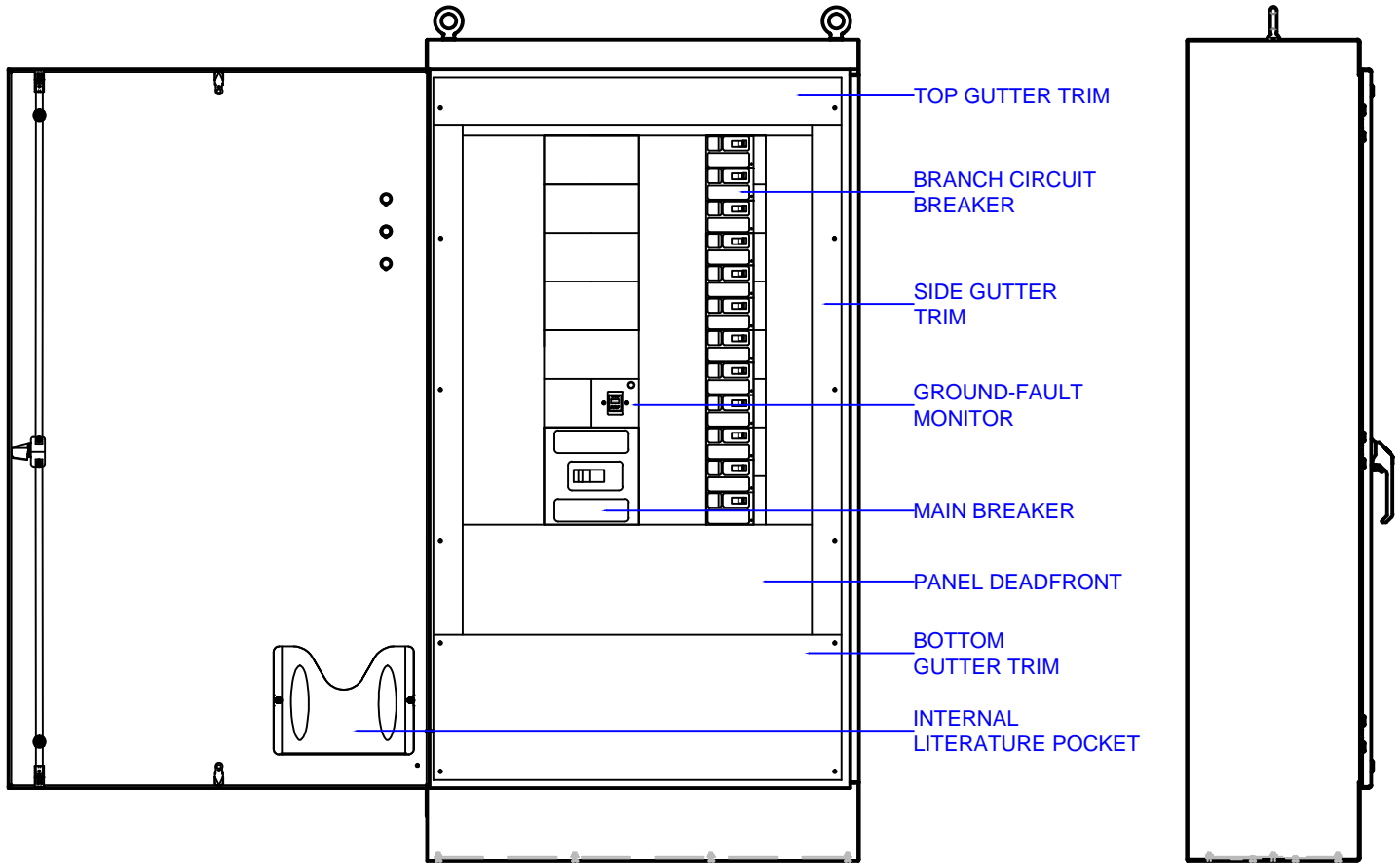


MARINA ELECTRICAL EQUIPMENT, INC.
100 WARWICK COURT
WILLIAMSBURG, VA 23185
TEL: 1-855-258-3939
FAX: 757-258-3988
WEB: www.marinaelectricequipment.com

SLIDELL MARINA - PANEL A

PANELBOARD

PANELBOARD - FRONT AND SIDE VIEWS



FRONT VIEW w/ DOOR OPEN

SIDE VIEW

SPECIAL NOTES

- PANEL IS DESIGNED TO BE SELF-SUPPORTED WHEN MOUNTED TO A FLOAT.

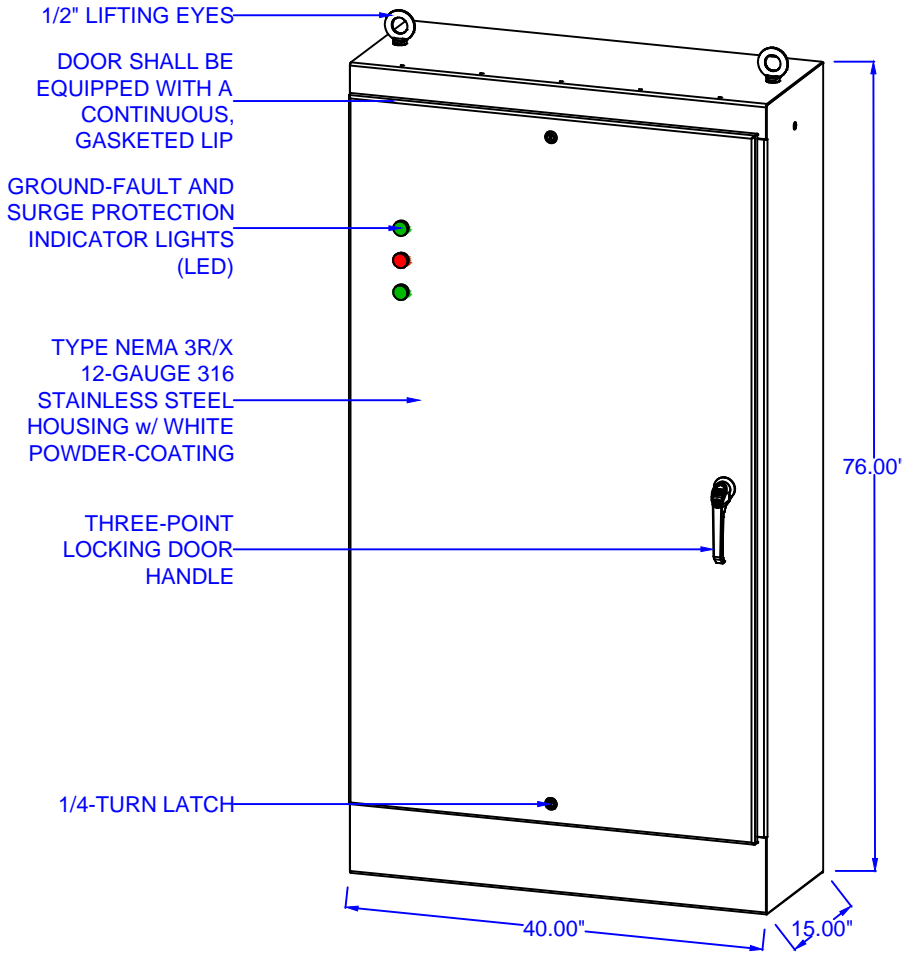
SHEET	DATE	NO.	DATE	REV.	APPROVAL STATUS
2 of 4	08-31-2017				<input type="checkbox"/> APPROVED
	CLD	CLD			<input type="checkbox"/> APPROVED WITH CORRECTIONS
	NTS				<input type="checkbox"/> REVISE AND RESUBMIT
	SUBMITTAL				



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SLIDELL MARINA - PANEL A
 PANELBOARD

PANELBOARD - ISOMETRIC VIEW



HOUSING

TYPE NEMA 3R/X 12 GA.
316 STAINLESS STEEL
(MEE5-76EL4015SSFS)

VOLTAGE / PHASE

120/240V 1-Phase

kAIC / RATING

22kAIC

SURGE DEVICE

100kA

GROUND-FAULT MONITORING

Single-Source Monitor Tied to Main Circuit Breaker - For Indication Only (100mA - No Trip)

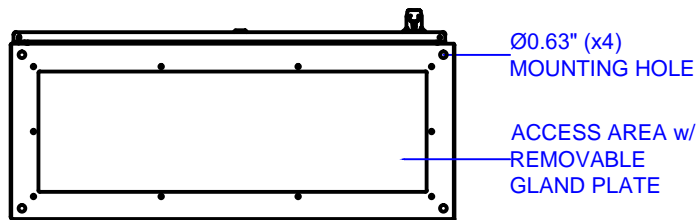
MAIN SIZE / TYPE

400/2P Main Breaker

BRANCH BREAKERS

- (1) 150/2P (Pedestals)
- (3) 100/2P (Pedestals)
- (1) 50/2P (Pedestals)
- (1) 30/3P - SPD

BASE DIMENSIONS



BOTTOM VIEW w/ GLAND PLATE REMOVED

PANELBOARD INCLUDES A REMOVABLE ALUMINUM GLAND PLATE

SHEET	DATE	NO.	DATE	REV.	APPROVAL STATUS
3 of 4	08-31-2017				<input type="checkbox"/> APPROVED <input type="checkbox"/> APPROVED WITH CORRECTIONS <input type="checkbox"/> REVISE AND RESUBMIT
	CLD	CLD			
	SCALE				
	NTS				
	DOCUMENT				
	SUBMITTAL				

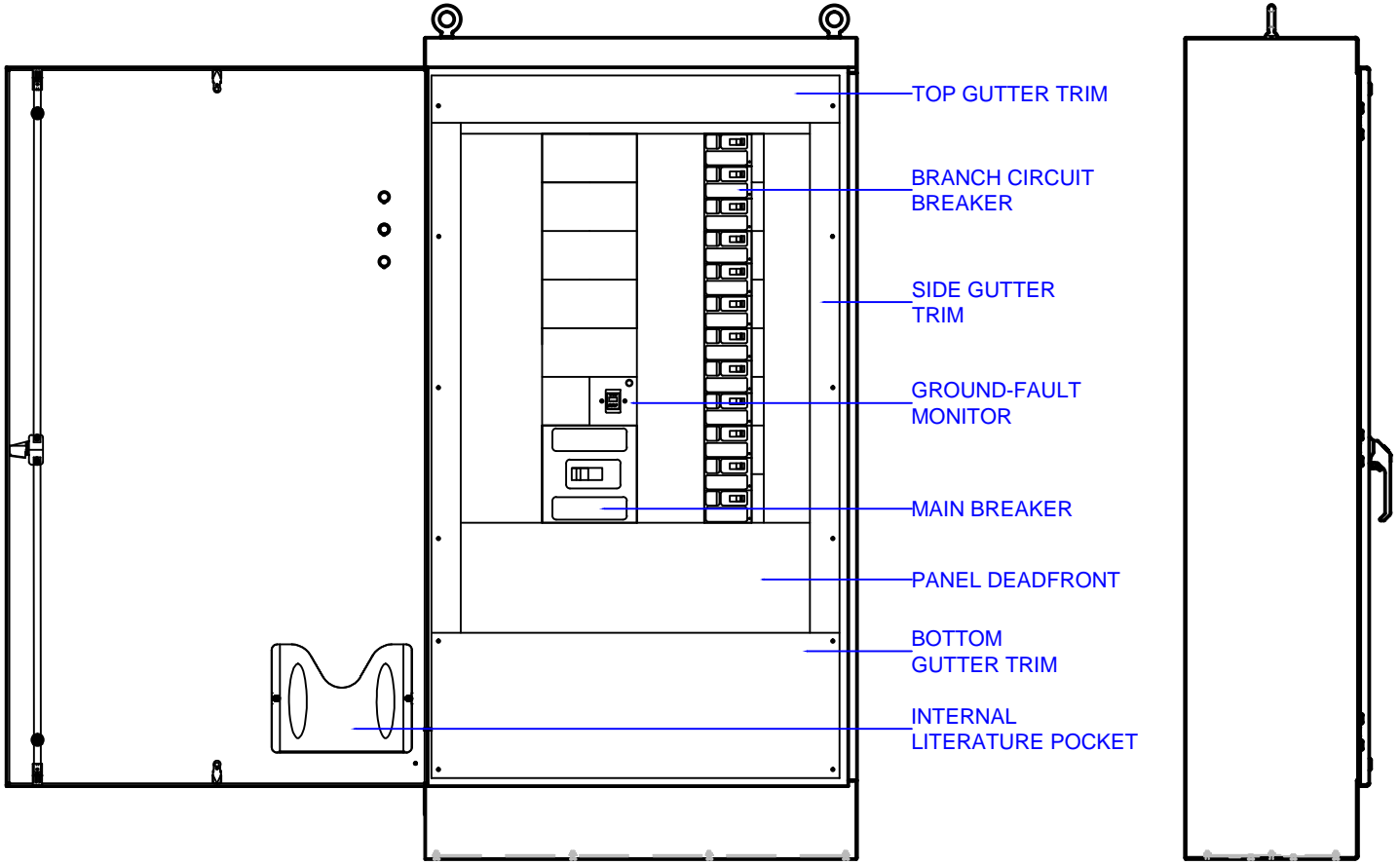


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SLIDELL MARINA - PANEL B

PANELBOARD

PANELBOARD - FRONT AND SIDE VIEWS



FRONT VIEW w/ DOOR OPEN

SIDE VIEW

SPECIAL NOTES

- PANEL IS DESIGNED TO BE SELF-SUPPORTED WHEN MOUNTED TO A FLOAT.

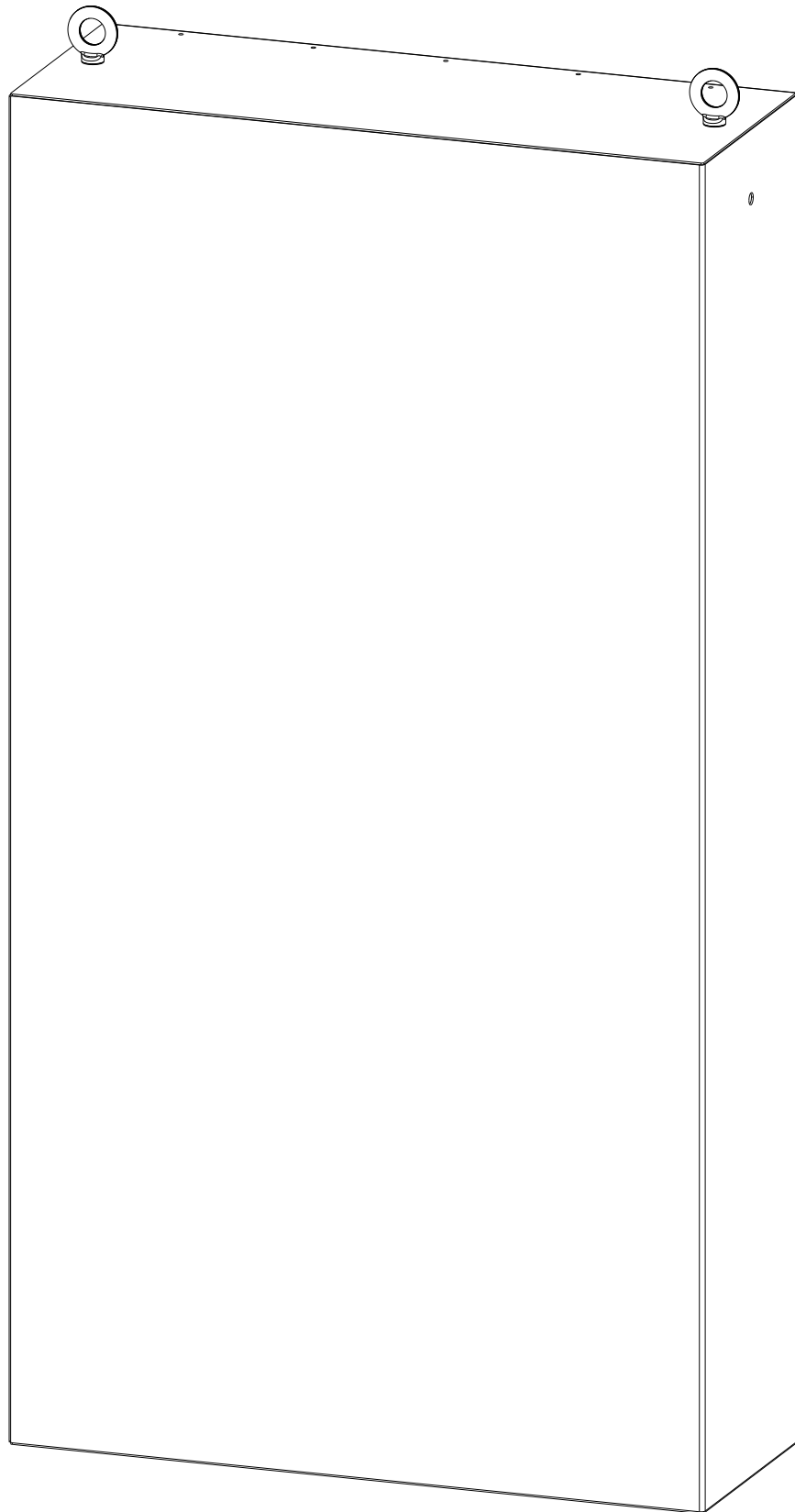
SHEET	DATE	NO.	DATE	REV.	APPROVAL STATUS
4 of 4	08-31-2017				<input type="checkbox"/> APPROVED
	CLD	CLD			<input type="checkbox"/> APPROVED WITH CORRECTIONS
	NTS				<input type="checkbox"/> REVISE AND RESUBMIT
	SUBMITTAL				



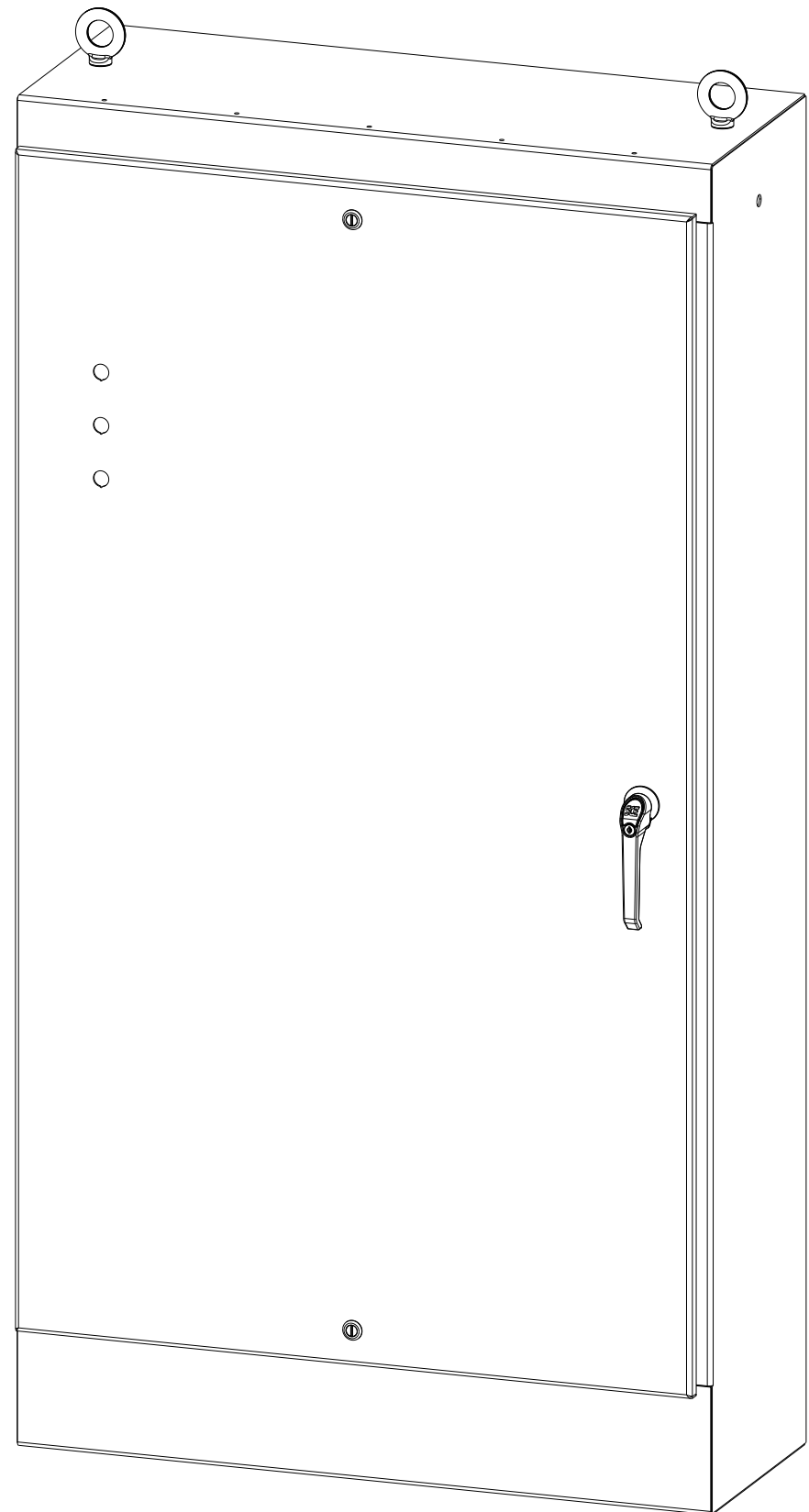
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SLIDELL MARINA - PANEL B
 PANELBOARD

PART DESCRIPTION	THICKNESS	MATERIAL	LASER FILE NAME	PUNCH FILE NAME
Enclosure Body	0.104	#4 SS	-BODY.dxf	NA
Enclosure Bottom	0.104	#4 SS	-BOTTOM.dxf	NA
Enclosure Door	0.104	#4 SS	-DOOR.dxf	NA
Enclosure Gland Plate	0.125	ALUM	NA	-GLAND.pro
Enclosure Gutter Angle Template	0.075	HRS	-ANGLE-TEMP.dxf	NA
Enclosure Rear Stud Template	0.075	HRS	-REAR-TEMP.dxf	NA
Enclosure Right Side	0.104	#4 SS	-R-SIDE.dxf	NA
Enclosure Top	0.104	#4 SS	-TOP.dxf	NA
Eyebolt Support, Flat, 14.625 x 4.00, Stainless Steel	0.104	#4 SS	SCE2-EBS-FLAT-SS-15.dxf	NA



REAR ISOMETRIC VIEW



FRONT ISOMETRIC VIEW

BILL OF MATERIAL

ITEM	SHIPS LOOSE	QTY	PART DESCRIPTION	PART I.D.
1		12	Stud, Flush Head, 1/4-20 X 3/4", Stainless Steel, FH4-0420-12	100095
2		1	Gasket, Strip, 1/4 x 1, Urethane with NSPSA	100684
3		4	Stud, Arc, 3/8-16 X 1.50", Steel	100798
4		2	Eyebolt, Shouldered, 3/4-10 x 2.00", Steel, Zinc Clear	100822
5		42	Stud, Arc, Flanged Full Thread, 1/4-20 X 1/2", Steel, Copper Plated	100837
6		5	Stud, CD, Flanged Full Thread, 1/4-20 X 1", Stainless Steel	100850
7		2	Nut, Serrated Flange, 1/4-20 Steel, Zinc	100882
8	Flanged Nut	12	Nut, Serrated Flange, 1/4-20 Steel, Zinc	100882
9		1	L-Handle, Keylocking, 7in, Black, Zinc Die Cast, SCE-PKH7	100954
10		2	Rod Guide, Door, Large Flat Rod, Black, Plastic	101390
11		3	Hinge Block, Large Concealed, Stainless Steel	101400
12		1	Cam, 3 Point, Lefthand Large Door Center, Steel, Zinc Clear	102237
13		2	Channel, Light Fixture, 0.040 X 0.406 X 0.813 X 6", Stainless, B-72	102255
14	Bolt Pack	1	Bolt Pack, Ground Kit, 3/8-16	102297
15		3	Hinge Assembly, Large Concealed, Stainless	103290
16		2	Flat Bar, Aluminum, 0.375 x 0.625, 6063-T52, Large Door Rod	103994
17		2	Nut, Serrated Flange, 3/4-10, Steel, Zinc	109065
18		1	Print Pocket, Large, 10.00"H x 11.50"W x 1.00"D, Polypropylene	111267
19		2	Screw, Hex Head, Serrated Flange, 1/4-20 x 3/8, Steel, Zinc	112504
20		2	Ramp Shoe, Large, 1.95 x 0.88 x 0.80, Polyamide 66, Black	112711
21		2	Latch, 1/4-Turn, 2x4mm Slotted w/ 30mm Cam, Black, SCE-DLSBB-30	113885
22		2	Washer, Sealing, 3/4, 0.75 x 1.19, NA1001 Green w/ Aramid Fiber	114506
23	Gasket Kit	1	Gasket, Strip, Cut to Length, 3/16 x 3/16 x 106.00, Urethane w/PSA	118419
24		1	Enclosure Body	NA
25		1	Enclosure Bottom	NA
26		1	Enclosure Door	NA
27	Gland Plate	1	Enclosure Gland Plate	NA
28		1	Enclosure Gutter Angle Template	NA
29		1	Enclosure Rear Stud Template	NA
30		1	Enclosure Right Side	NA
31		1	Enclosure Top	NA
32		2	Eyebolt Support, Flat, 14.625 x 4.00, Stainless Steel	NA


CONSTRUCTION NOTES:

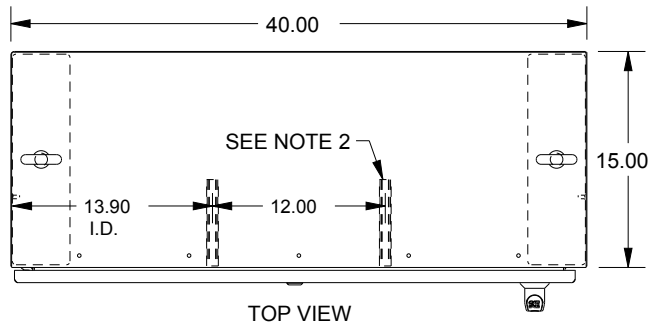
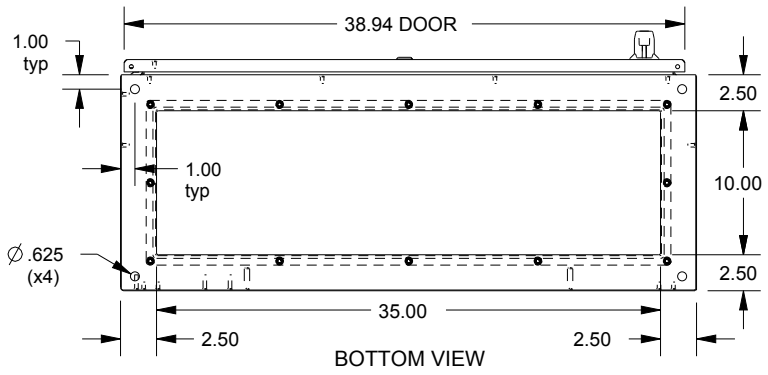
1. NO STANDARD SUBPANEL PROVISIONS ARE REQUIRED IN THIS ENCLOSURE.
2. A BLACK ZINC DIE CAST KEYLOCKING/PADLOCKING HANDLE WITH 3-POINT LATCHING PROVISIONS IS REQUIRED ON THE DOOR.
3. CONCEALED HINGES WITH REMOVABLE STAINLESS STEEL HINGE PINS ARE REQUIRED ON THE DOOR.
4. THE ENCLOSURE REQUIRES HEAVY DUTY LIFTING EYES & EYEBOLT SUPPORTS TO REINFORCE THE ENCLOSURE TOP.
5. BLACK SLOTTED QUARTER-TURN LATCHES ARE REQUIRED ON THE TOP AND THE BOTTOM OF THE DOOR.
6. PROVISIONS FOR A BOLT ON DRIP SHIELD ARE PROVIDED IN THE TOP OF THE ENCLOSURE.
7. PROVISIONS FOR ATTACHING AN ALUMINUM GLAND PLATE TO THE INTERIOR BOTTOM OF THE ENCLOSURE ARE PROVIDED. GLAND PLATE, STRIP GASKET AND FLANGED NUTS ARE TO SHIP LOOSE.
8. 1/4-20 x 1/2" ARC STUD PROVISIONS IN BOTH SIDES FOR SECURING CUSTOMER SUPPLIED MOUNTING ANGLES.

BY	REV.	ECR	DESCRIPTION OF CHANGES	DATE
Bauer	1		Moved (4) studs on upper rear wall, changed (5) studs on lower rear wall to #100850 per customer Rev. 1	09/06/16

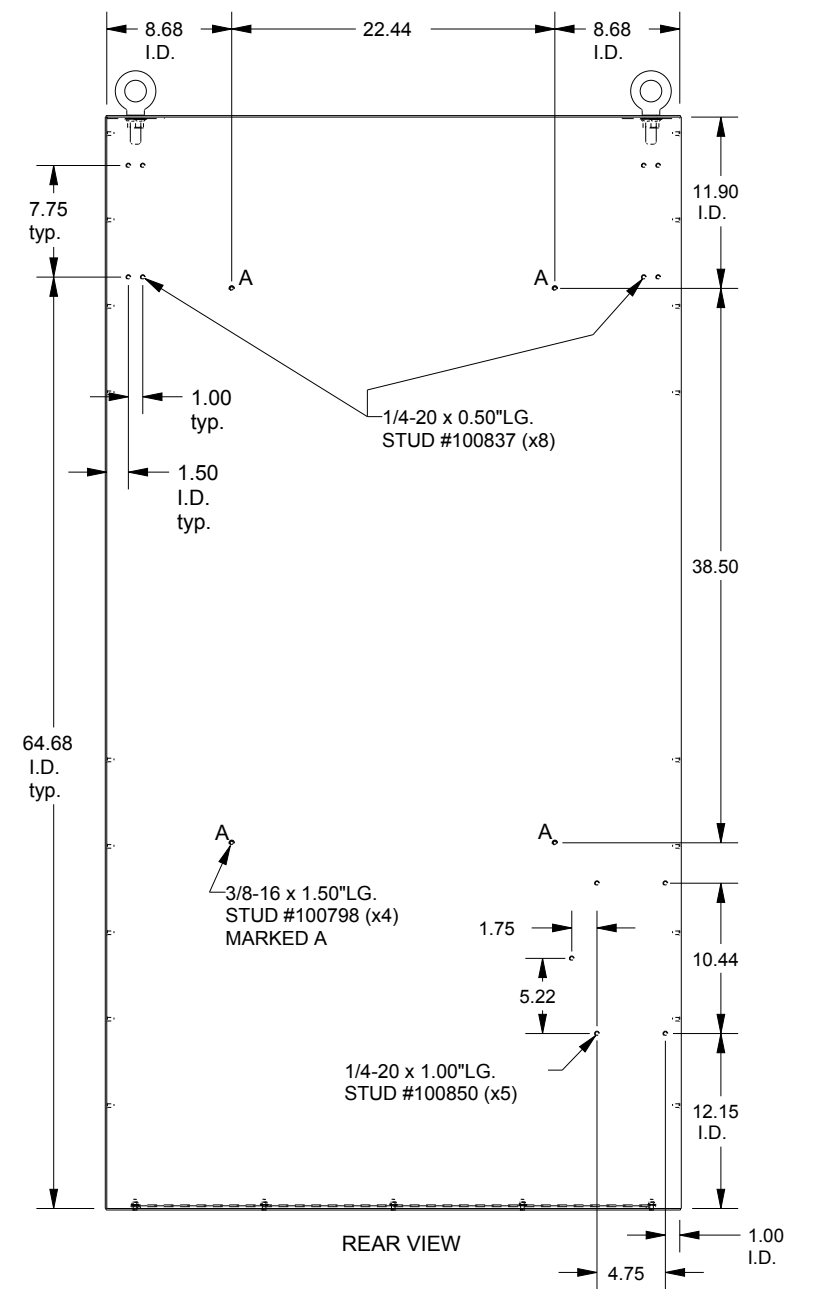
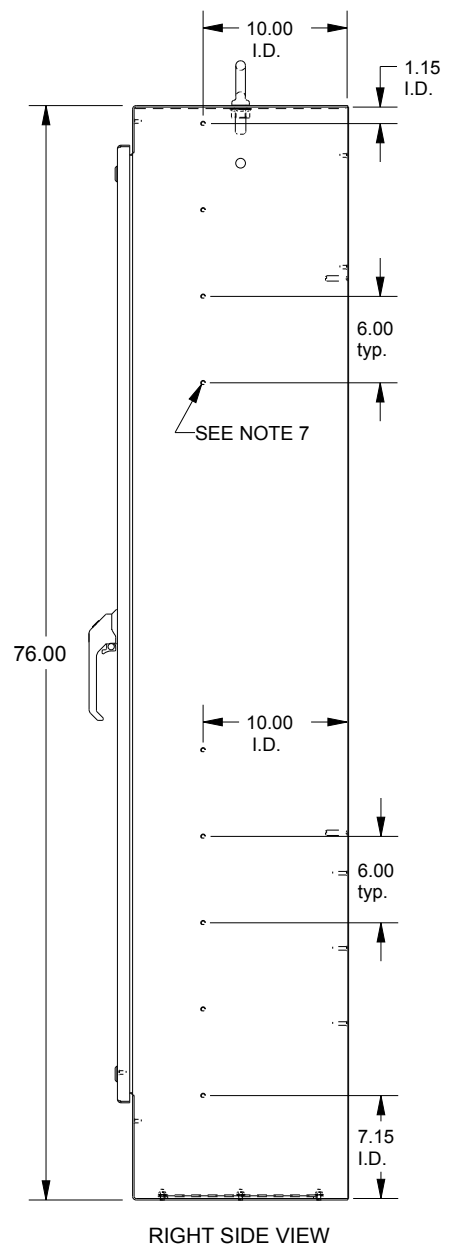
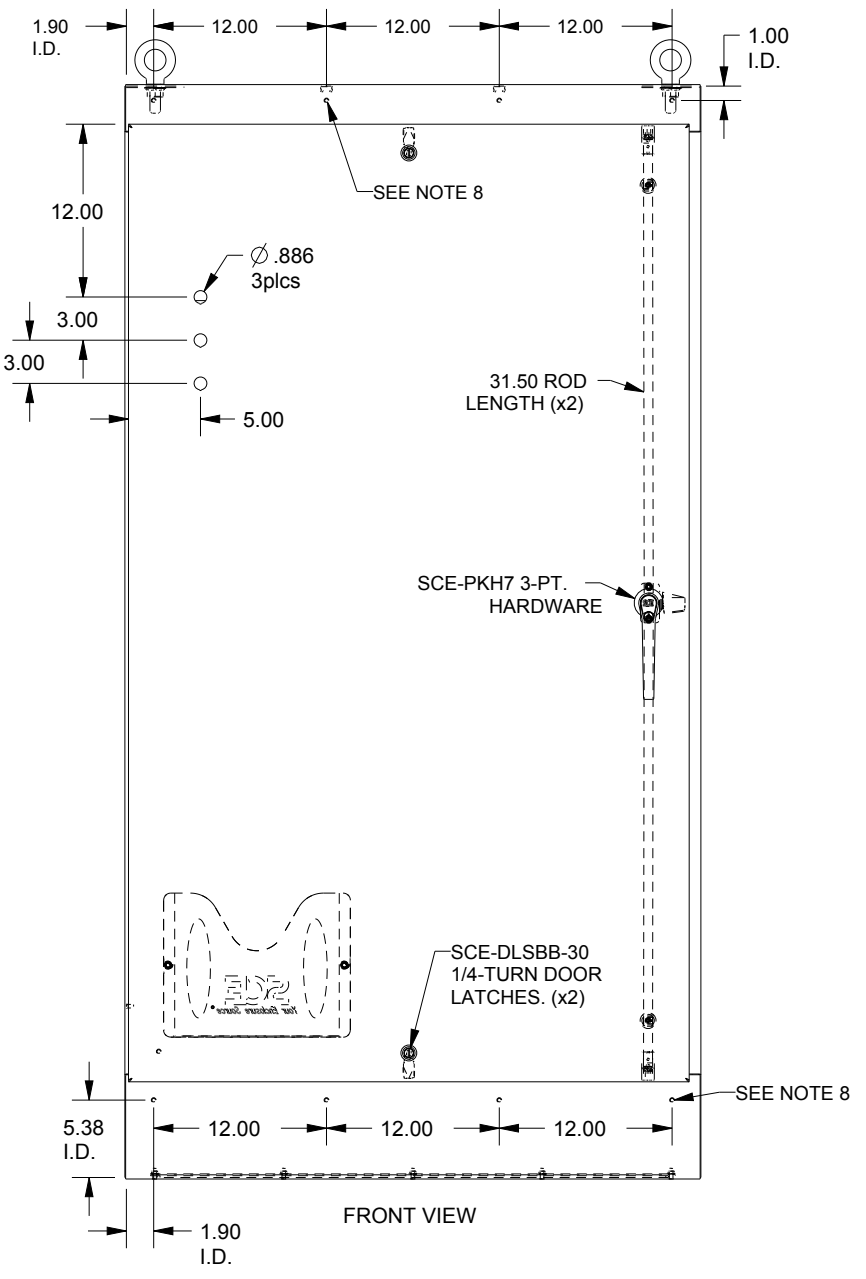
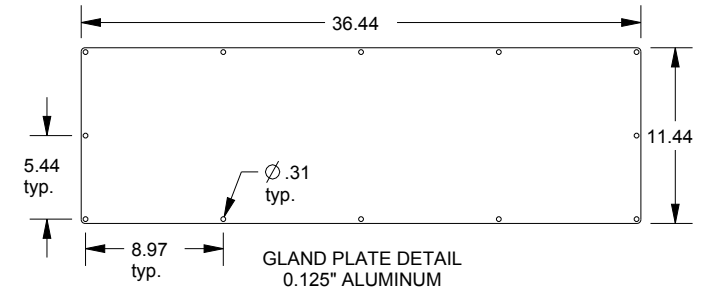
TOLERANCES UNLESS OTHERWISE SPECIFIED ANGULAR ± 1.0 HOLES & CENTERS ± 0.005 LINEAR: 0.XX ± 0.023 LINEAR: 0.XXX ± 0.011
--

DRAWN BY: Irvine
DATE: 08/12/16
0.104" #4 BRUSHED TYPE 304 STAINLESS STEEL MATERIAL UNLESS SPECIFIED

CUSTOMER: MARINA ELECTRICAL EQUIPMENT INC	
PART NUMBER: MEE5-76EL4015SSFS	REV: 1
CUSTOMER I.D.: MEE5	 Your Enclosure Source®
SHEET: 1 OF 2	



- NOTES:
1. ALL OF THE SEAMS ARE TO BE CONTINUOUSLY WELDED SOLID AND GROUND SMOOTH.
 2. S.S. B-72 CHANNEL LIGHT FIXTURE PROVISIONS REQUIRED ON INTERIOR TOP IN LOCATIONS SHOWN IN THE TOP VIEW.
 3. (4) 3/8-16 STUDS #100798, (8) 1/4-20 STUDS #100837 AND (5) 1/4-20 #100850 STUDS REQUIRED ON THE INTERIOR BACK WALL. A TEMPLATE IS PROVIDED FOR LOCATING STUDS AT WELD. SEE SHEET 4 FOR TEMPLATE DETAILS.
 4. A GROUND STUD IS REQUIRED ON THE DOOR AND ON THE BODY IN THE STANDARD LOCATIONS.
 5. PROVISIONS ARE REQUIRED ON THE INTERIOR OF THE DOOR IN THE STANDARD LOCATIONS FOR A LARGE PRINT POCKET.
 6. SCE CONCEALED HINGES WITH REMOVABLE STAINLESS STEEL HINGE PINS ARE REQUIRED ON THE DOOR.
 7. 1/4-20 STUDS #100837 IN BOTH SIDES FOR SECURING CUSTOMER SUPPLIED ANGLES. TEMPLATE PROVIDED FOR STUD LOCATIONS ON BOTH SIDES. SEE SHEET 4 FOR TEMPLATE DETAILS.
 8. (4) 1/4-20 STUDS #100837 REQUIRED ON THE INTERIOR TOP FLANGE AND (4) 1/4-20 STUDS #100837 REQUIRED ON THE INTERIOR BOTTOM FLANGE IN THE SHOWN LOCATIONS.



BY	REV.	ECR	DESCRIPTION OF CHANGES	DATE
Bauer	1		Moved (4) studs on upper rear wall, changed (5) studs on lower rear wall to #100850 per customer Rev. 1	09/06/16

TOLERANCES UNLESS OTHERWISE SPECIFIED
 ANGULAR ± 1.0°
 HOLES & CENTERS ± 0.005
 LINEAR: 0.XX ± 0.023
 LINEAR: 0.XXX ± 0.011

DRAWN BY: Irvine
 DATE: 08/12/16
 0.104\"/>

CUSTOMER: MARINA ELECTRICAL EQUIPMENT INC
 PART NUMBER: MEE5-76EL4015SSFS
 REV: 1
 CUSTOMER I.D.: MEE5
 SHEET: 2 OF 2

