

GENERAL NOTES:

A. CODES AND STANDARDS:

1. INTERNATIONAL BUILDING CODE 2018
2. AISC STEEL DESIGN MANUAL
3. MANUAL OF STEEL CONSTRUCTION, ASD, NINTH EDITION, 1989 AMERICAN INSTITUTE FOR STEEL CONSTRUCTION
4. ASTM STANDARDS IN BUILDING CODES, VOLUMES 1, 2, AND 3, AMERICAN SOCIETY FOR TESTING AND MATERIALS
5. ASCE ENGINEERING PRACTICE HANDBOOK

B. DESIGN LOADS:

1. LIVE LOADS FOR FLOATION DESIGN: 30 PSF
 2. ROOF LOADS: 10.5 PSF
 3. WIND: 12.1 PSF
- A. BASIC WIND SPEED (V): 105 MPH
B. WIND DIRECTION: 20 PSF

C. STRUCTURAL STEEL:

1. STRUCTURAL TUBES ASTM A500 TYPE B (F460KS)
2. STRUCTURAL STEEL ANGLE CONFORM TO ASTM A36
3. CONNECTION BOLTS SHALL CONFORM TO ASTM A307

D. ELEVATION SPECIFICATIONS:

ALL UNITS EXHIBIT THE FOLLOWING ASTM TEST METHODS:

PROPERTIES	ASTM	UNITS	TYP. UNITS
1. DENSITY	D-1505	g/cc	.0935
2. MELT INDEX CONDITION E (190° C/2.18KG)	D-799	g/10min	180,000
3. FLEXURAL MODULUS (1.33mm/min)	D-698	psi	2,200
4. TENSILE ELONGATION AT YIELD (50mm/min)	D-638	%	11.8
5. TENSILE ELONGATION AT BREAK (50mm/min)	D-638	%	50
6. HARDENING TEMPERATURE (9999)	D-446	°C	45
7. LOW TEMPERATURE IMPACT	ARM	FT-LBS	
ENVIRONMENTAL STRESS CRACK RESISTANCE, EXPR**			
1. CONDITION A, F-50		HRS	>1000
2. 100% Impact		HRS	300
3. 10% Impact			

E. ROOF DECKING:

1. ROOF DECKING, IF APPLICABLE, SHALL HAVE A MINIMUM YIELD STRENGTH OF 33 KSI. THE DECK SHALL HAVE RECEIVED A PROTECTIVE COATING OF ZINC CONFORMING TO ASTM A525 660 PRIOR TO BEING FORMED.
2. ALL STEEL ROOF DECKING SHALL BE SCREWED TO STEEL SUPPORTING MEMBERS.

F. WALKWAY DECKING:

1. FLOOR AND WALKWAY DECKING TO BE CAPABLE OF SUPPORTING 30 PSF.

G. ADDITIONAL LOADS NOT INCLUDED:

LOADS INDUCED BY THE ADDITION OF LIFTS OR ANY OTHER EXTRANEIOUS STRUCTURES OR EQUIPMENT MAY CHANGE THE BEHAVIOR OF THIS SYSTEM AND ARE NOT ACCOUNTED FOR IN THESE DRAWINGS.

PROJECT SPECIFICATIONS

12" TALL SUBSTRUCTURE

STRUCTURE CHORDS - 2" X 2" X 3/16" ANGLE

SLIP DIVIDER-NONE

FLOATION

20, 24, 28

DECKING

DECKING - MC WET CAST CONCRETE TILES

EXPOSED AGGREGATE DECKING

ANCHORS

WINCH-MODEL LM 16

CABLE - 5/8" X 250' GALVANIZED STEEL.

WINCH TOWER - SELECT SERIES (2) SINGLE TOWERS AND (2) DOUBLE TOWER

ROOFING AND SUPERSTRUCTURE

ROOF COLUMNS - 2 1/2" X 2 1/2" X 11-GAUGE SQUARE STEEL TUBE

PURLINS - 10" X 2 1/2" X 14-GAUGE ZEE PURLINS.

24-GAUGE 7.2-PANEL ROOF SHEETS.

26-GAUGE 7.2-PANEL ROOF SHEETS.

ROOF COLOR - EVERGREEN

UNDERWATER BRACING

8" TRUSS UNDERWATER BRACE.

8" UNDERWATER BRACE DOWN LEGS - 2 1/2" X 2 1/2" X 11-GAUGE STEEL SQUARE TUBE.

GANGWAY

RE-USE THE EXISTING GANGWAY

UTILITIES

MARICORP WILL ACCOMMODATE UTILITIES INSTALLED BY OTHERS. SEE NOTES FOR DETAILS.

ACCESSORIES

CEATS - 10" SIDE MOUNT GALVANIZED STEEL.

COLUMN BUMPERS - 6" WHITE - ON ALL COLUMNS EXPOSED TO BOATS

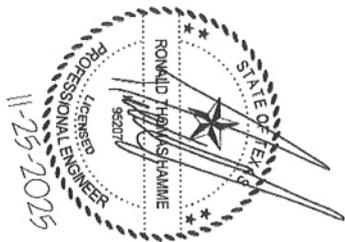
RUB RAIL - WHITE 3" PROGUARD HD VINYL EXGING - AT SLIP HEADS AND FINGER ENDS

SKIRTING - SINGLE 2" X 6" TREATED LUMBER FULL PERIMETER OF THE DOCK

FIRE EXTINGUISHER - 20# COMMERCIAL GRADE WITH OUTDOOR RATED CABINET.

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0	ISSUED FOR CONSTRUCTION	11/21/2025	CONSTRUCTION										
1			THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNLESS MARKED										
2													
3													

BONITA SHORES MARINA
DOCK B
POSSUM KINGDOM LAKE
1800 FM 2951
GRAFORD, PALO PINTO COUNTY, TX

COVER SHEET
SHEET 1 OF 24

ITEM NO.	WORK ORDER QTY.	DESCRIPTION	LENGTH
1	48	2x2 Exposed Aggregate Tile	
2	288	2x3 Exposed Aggregate Tile	
3	24	3x8x24 Float	
4	6	3x8x28 Float	
5	10	4x6x20 Float	
6	4	4x6x24 Float	
7	6	4x8x20 Float	
8	6	4x8x24 Float	
9	54	6 ft. White Super Cushion 2-1/2" Slot	
10	1	25-BSMB A1 ANCH CR SGL DW11-LM16 CONC	
11	1	25-BSMB A2 ANCH CR SGL DW11-LM16 CONC	
12	A3	25-BSMB A3 ANCH CR DBL DW11-LM16	
13	A4	25-BSMB A4 ANCH CR DBL DW11-LM16	
14	C1	25-BSMB C1 COLUMN 11GA 217	217"
15	C2	25-BSMB C2 COLUMN 11GA 226	226"
16	C3	25-BSMB C3 COLUMN 11GA 236.25	236 1/4"
17	C4	25-BSMB C4 COLUMN 11GA 225.4375	225 7/16"
18	C5	25-BSMB C5 COLUMN 11GA 216.75	216 3/4"
19	C6	25-BSMB C6 COLUMN 11GA 216.75	216 3/4"
20	CB1	25-BSM CB1 COLUMN BRACKET	12"
21	CEE1	25-BSMB CEE1 CEE PURLIN 10X14GA	112 3/4"
22	CT1	CT1 CLEAT 10 IN CONCRETE	
24	DL1	DL1 DOWNLEG 8-3 TRI	96"
25	DL2	25-BSMB DL2 DOWNLEG 8-3 TRI	97 3/8"
26	E1	25-BSMB E1 FRAME 3X16	16
27	E2	25-BSMB E2 FRAME 4X16	16
28	E3	25-BSMB E3 FRAME 4X16	16
29	H1	25-BSMB H1 FRAME 4X16	16
30	H2	25-BSMB H2 FRAME 4X16	16

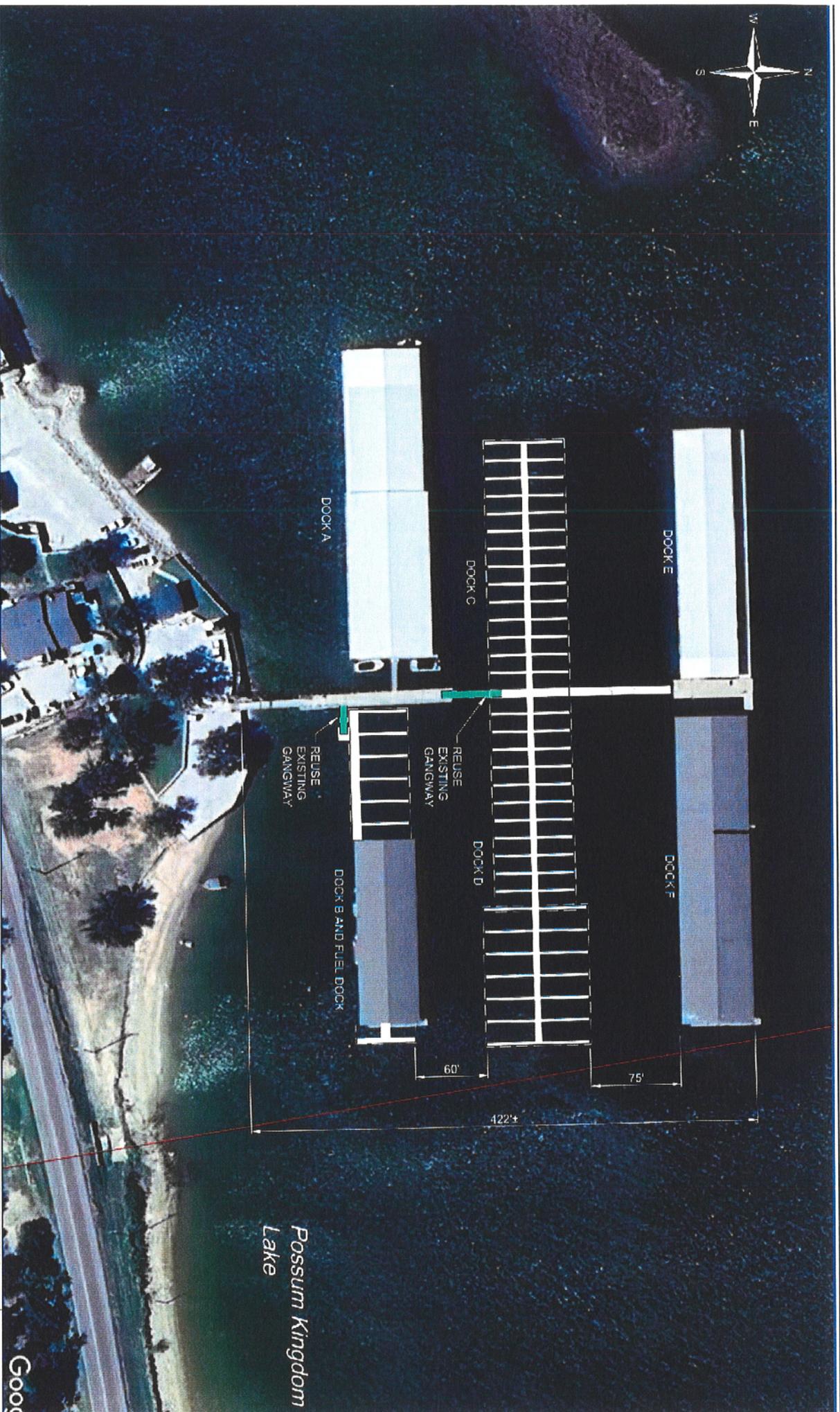
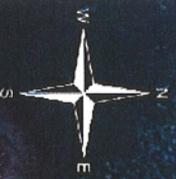
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31	H3	25-BSMB H3 FRAME 4X16	16
32	H4	25-BSMB H4 FRAME 4X12	12
33	HS1	25-BSMB HS1 HORIZONTAL SPLICE ANGLE	13 7/8"
34	HMB1	25-BSMB HMB1 HORIZONTAL WIND BRACING	222"
35	HMB2	25-BSMB HMB2 HORIZONTAL WIND BRACING	222"
36	HWB3	25-BSMB HWB3 HORIZONTAL WIND BRACING	128 9/16"
37	HWB4	25-BSMB HWB4 HORIZONTAL WIND BRACING	222"
38	M1	25-BSMB M1 FRAME 3X16	16
39	R1	R1 RISER LM16 SGL STD	
40	R2	R1 RISER LM16 DBL STD	
41	RP3	25-BSMB RP3 PANEL 7.2N 24GA	306"
42	RP2	25-BSMB RP2 PANEL 7.2N 26GA	306"
43	RP4	25-BSMB RP4 PANEL 7.2N 24GA	306"
44	T1	25-BSMB T1 FRAME 3X16	16
45	T2	25-BSMB T2 FRAME 4X16	16
46	TB1	25-BSMB TB1 TUBE BRACE	
47	TB2	25-BSMB TB2 TUBE BRACE	
48	UBK1	UBK1 UNDERWATER ANGLE BRACKET	12"
49	US48	US48 UNDERWATER STRAP	48"
50	US55	25-BSMB US55 UNDERWATER STRAP	55 1/16"
51	UT1	25-BSMS UT1 TRI-TRUSS 8	242 15/16"
52	UT2	25-BSMS UT2 TRI-TRUSS 8	228"
53	UT3	25-BSMS UT3 TRI-TRUSS 8	269"
54	UTC	UTC TT SPLICE CLIP	
55	UTP	UTP TT SPLICE PLATE	
56	YS1	25-BSMB YS1 YOKE STUB 11GA	36"
57	Z1	25-BSMB Z1 ZEE PURLIN 10X14GA	288"
58	Z2	25-BSMB Z2 ZEE PURLIN 10X14GA	312"
59	Z3	25-BSMB Z3 ZEE PURLIN 10X14GA	312"
60	RP1	25-BSMB RP1 PANEL 7.2N 26GA	306"



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0	ISSUED FOR CONSTRUCTION	11/21/2025	CONSTRUCTION					10/14/2025	25-BSMB		
1			THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNLESS MARKED								
2											
3											



BONITA SHORES MARINA
DOCK B
POSSUM KINGDOM LAKE
1800 FM 2951
GRAFORD, PALO PINTO COUNTY, TX



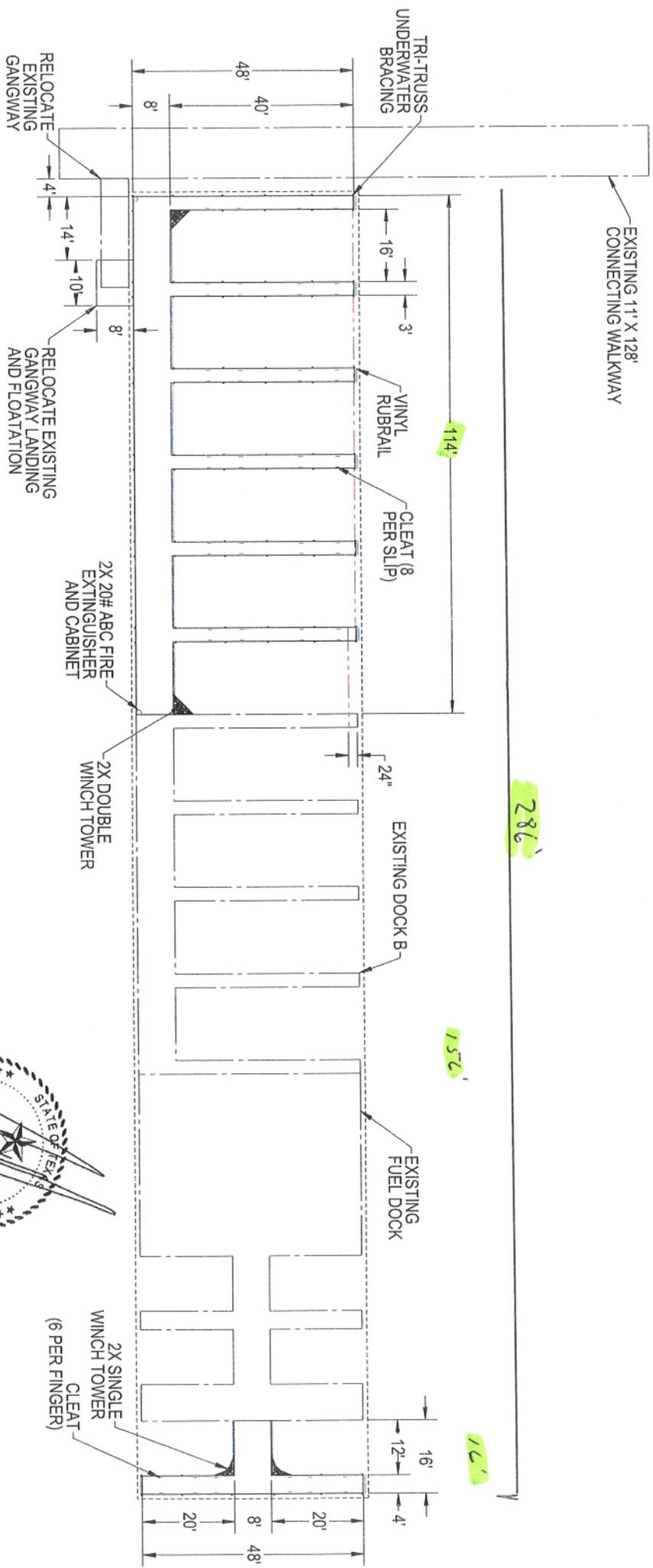
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0	ISSUED FOR CONSTRUCTION	11/21/2025	CONSTRUCTION		OS	KW	10/14/2025	28-85NAB	POSSUM KINGDOM LAKE	SHEET 3 OF 24
1			THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNLESS MARKED						1800 FM 2951	
2									GRAFORD, PALO PINTO COUNTY, TX	
3										



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 1800 FM 2951
 GRAFORD, TX 75845

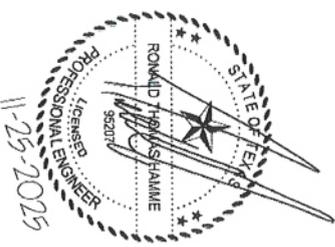
Possum Kingdom
 Lake

Good



DOCK B ADDITION

FUEL DOCK ADDITION



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0	ISSUED FOR CONSTRUCTION	11/21/2025	CONSTRUCTION			OS	25-55UB	BONITA SHORES MARINA DOCK B
1			THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNLESS MARKED		10/14/2025	KW		POSSUM KINGDOM LAKE
2								1800 FM 2951
3								GRAFORD, PALO PINTO COUNTY, TX

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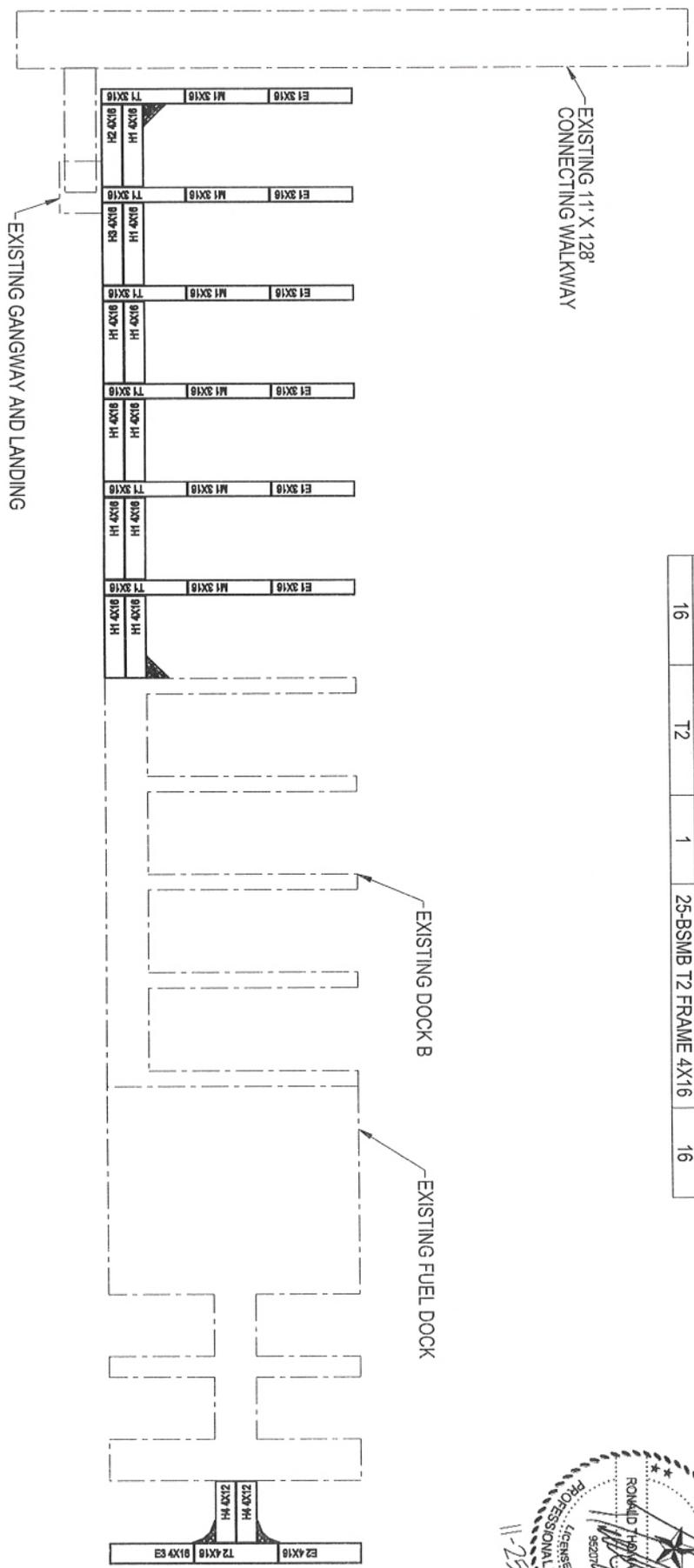
ITEM NO.	WORK ORDER	QTY.	DESCRIPTION	LENGTH
5	E1	6	25-BSMB E1 FRAME 3X16	16
6	E2	1	25-BSMB E2 FRAME 4X16	16
7	E3	1	25-BSMB E3 FRAME 4X16	16
8	H1	10	25-BSMB H1 FRAME 4X16	16
9	H2	1	25-BSMB H2 FRAME 4X16	16
10	H3	1	25-BSMB H3 FRAME 4X16	16
11	H4	2	25-BSMB H4 FRAME 4X12	12
12	M1	6	25-BSMB M1 FRAME 3X16	16
15	T1	6	25-BSMB T1 FRAME 3X16	16
16	T2	1	25-BSMB T2 FRAME 4X16	16

JIG HEAD

 END

TYPICAL FRAME

EXISTING 11' X 128'
 CONNECTING WALKWAY

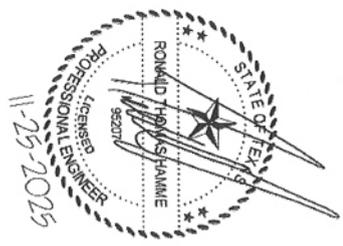


EXISTING GANGWAY AND LANDING
 DOCK B ADDITION

EXISTING DOCK B

EXISTING FUEL DOCK

FUEL DOCK ADDITION

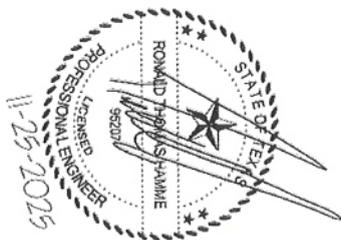
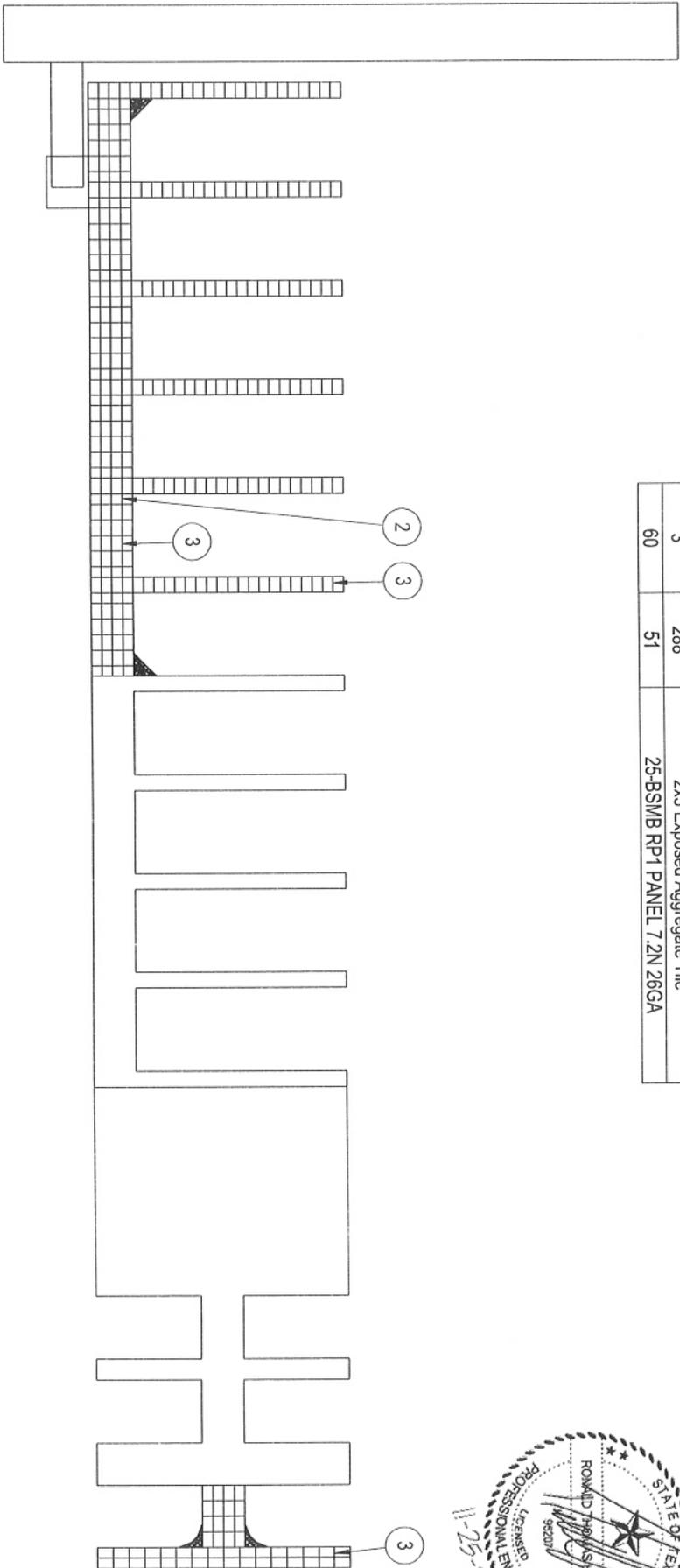


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0	ISSUED FOR CONSTRUCTION	11/21/2025	CONSTRUCTION			KW		
1			THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNLESS MARKED					
2								
3								

BONITA SHORES MARINA
 DOCK B
 POSSUM KINGDOM LAKE
 1800 FM 2951
 GRAFORD, PALO PINTO COUNTY, TX

SHEET 7 OF 24

BOM Table(Restructured)		
ITEM NO.	QTY.	DESCRIPTION
2	48	2x2 Exposed Aggregate Tile
3	288	2x3 Exposed Aggregate Tile
60	51	25-B5M8 R/P1 PANEL 7.2N 26GA

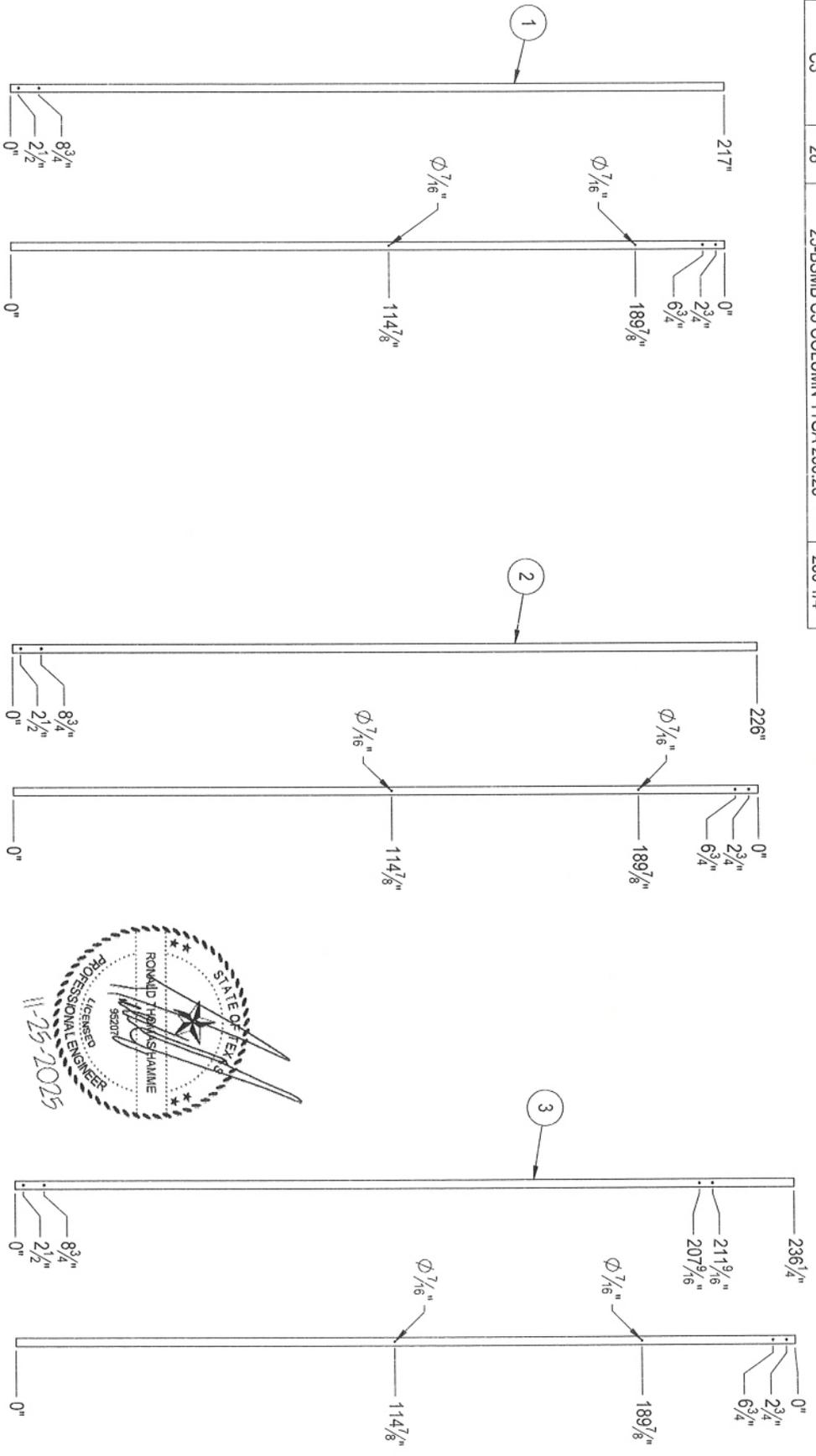


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0	ISSUED FOR CONSTRUCTION	11/21/2025	CONSTRUCTION				POSSUM KINGDOM LAKE	
1			THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNLESS MARKED				1800 FM 2951	
2							GRAFORD, PALO PINTO COUNTY, TX	
3								SHEET 9 OF 24



DRAWN BY: OS
 CHECKED BY: KW
 DATE: 10/14/2025
 PROJECT PREFIX: 25-B5M8

BOM Table(Restructured)				
ITEM NO.	WORK ORDER	QTY.	DESCRIPTION	LENGTH
1	C1	14	25-BSMB C1 COLUMN 11GA 217	217"
2	C2	14	25-BSMB C2 COLUMN 11GA 226	226"
3	C3	28	25-BSMB C3 COLUMN 11GA 236.25	236 1/4"



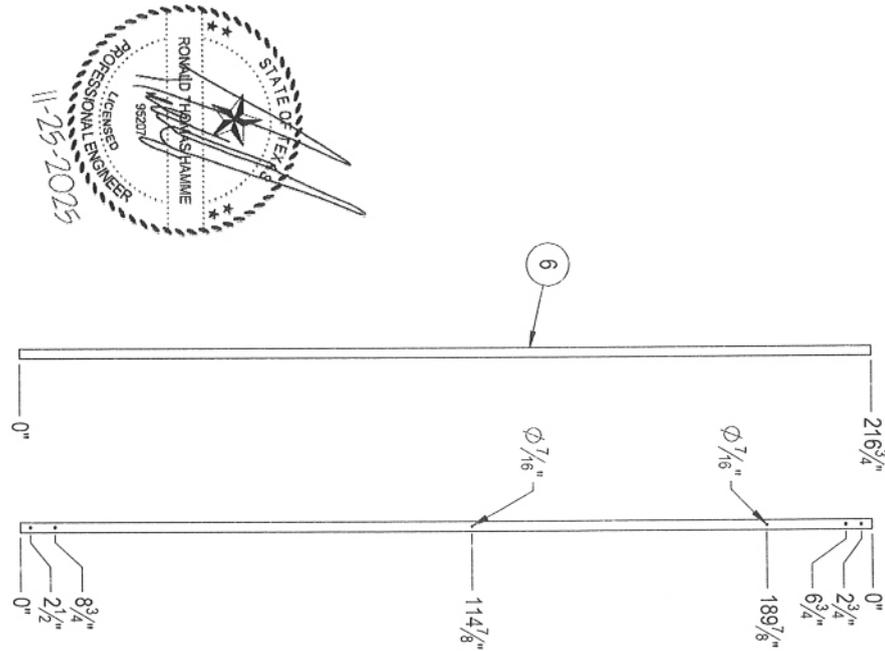
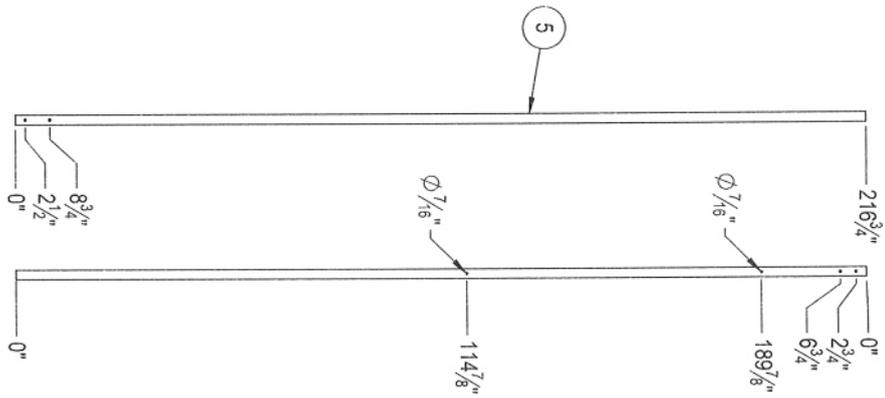
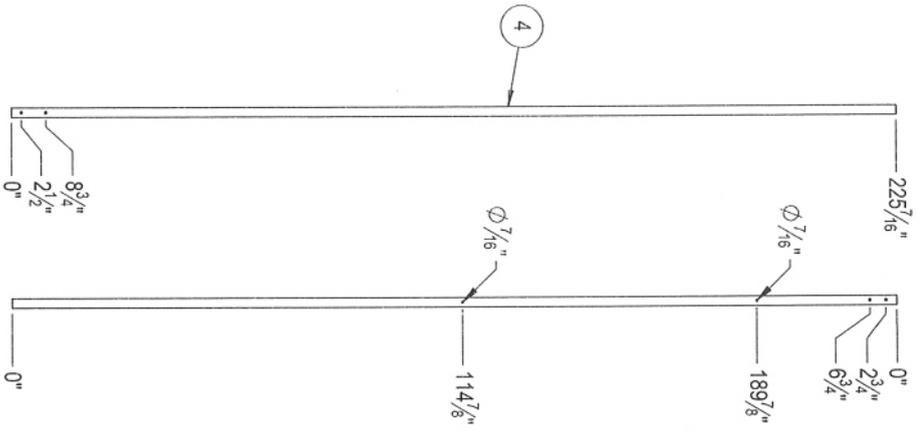
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0	ISSUED FOR CONSTRUCTION	11/21/2025	CONSTRUCTION				
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2							
3							



BONITA SHORES MARINA
 DOCK B
 POSSUM KINGDOM LAKE
 1800 FM 2951
 GRAFORD, PALO PINTO COUNTY, TX

SHEET 10 OF 24

BOM Table (Restructured)				
ITEM NO.	WORK ORDER	QTY.	DESCRIPTION	LENGTH
4	C4	14	25-BSMB C4 COLUMN 11GA 225.4375	225 7/16"
5	C5	3	25-BSMB C5 COLUMN 11GA 216.75	216 3/4"
6	C6	11	25-BSMB C6 COLUMN 11GA 216.75	216 3/4"

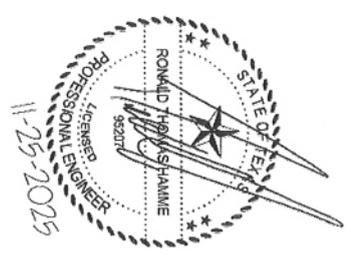
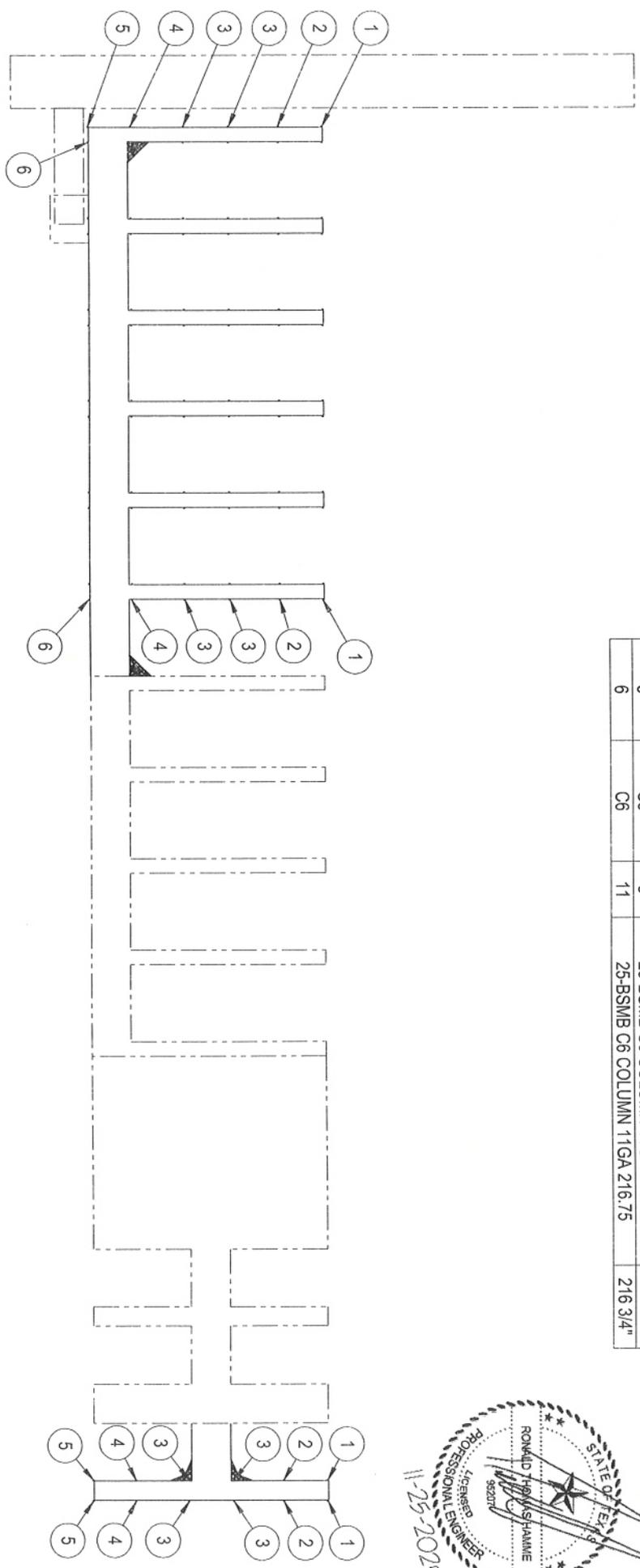


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0	ISSUED FOR CONSTRUCTION	11/21/2025	CONSTRUCTION		OS	KW	10/14/2025	25-BSMB		SHEET 11 OF 24
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2										
3										



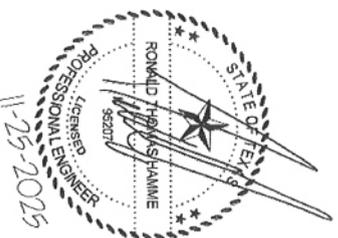
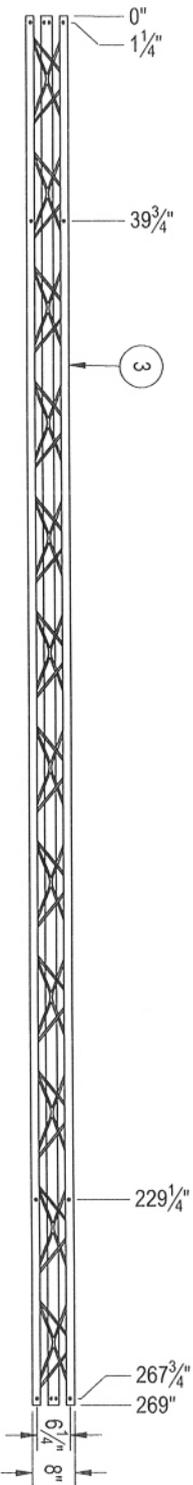
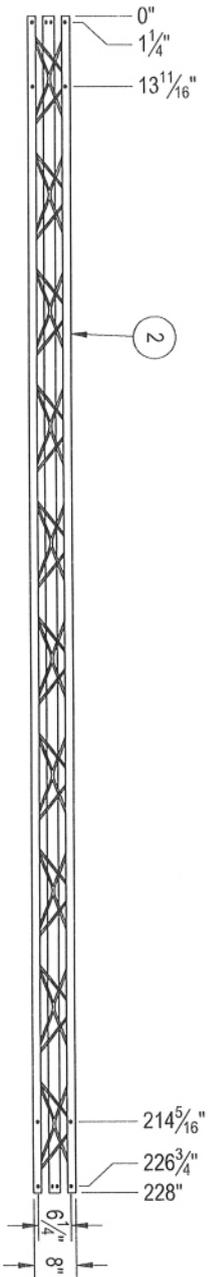
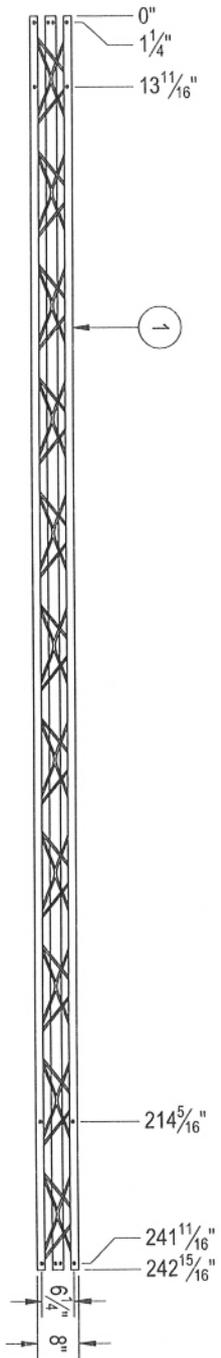
BOM Table(Restructured)

ITEM NO.	WORK ORDER	QTY.	DESCRIPTION	LENGTH
1	C1	14	25-BSMB C1 COLUMN 11GA 217	217"
2	C2	14	25-BSMB C2 COLUMN 11GA 226	226"
3	C3	28	25-BSMB C3 COLUMN 11GA 236.25	236 1/4"
4	C4	14	25-BSMB C4 COLUMN 11GA 225.4375	225 7/16"
5	C5	3	25-BSMB C5 COLUMN 11GA 216.75	216 3/4"
6	C6	11	25-BSMB C6 COLUMN 11GA 216.75	216 3/4"



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0	ISSUED FOR CONSTRUCTION	11/21/2025	CONSTRUCTION								
1			THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNLESS MARKED								
2											
3											

BOM Table (Restructured)				
ITEM NO.	WORK ORDER	QTY.	DESCRIPTION	LENGTH
1	UT1	2	25-BSMS UT1 TRI-TRUSS 8	242'15/16"
2	UT2	3	25-BSMS UT2 TRI-TRUSS 8	228"
3	UT3	1	25-BSMS UT3 TRI-TRUSS 8	269"

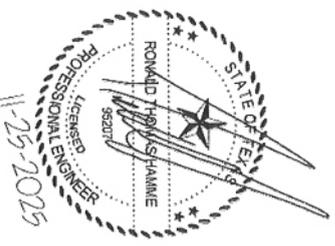
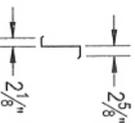
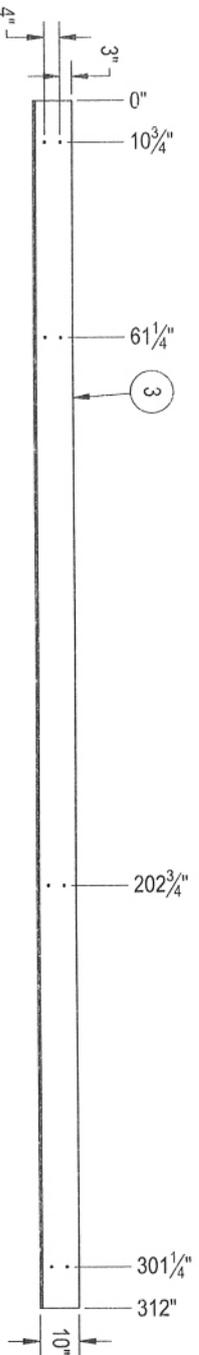
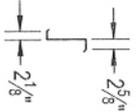
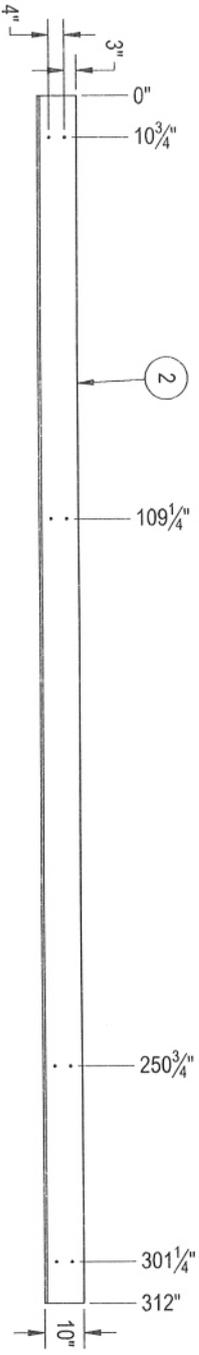
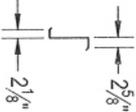
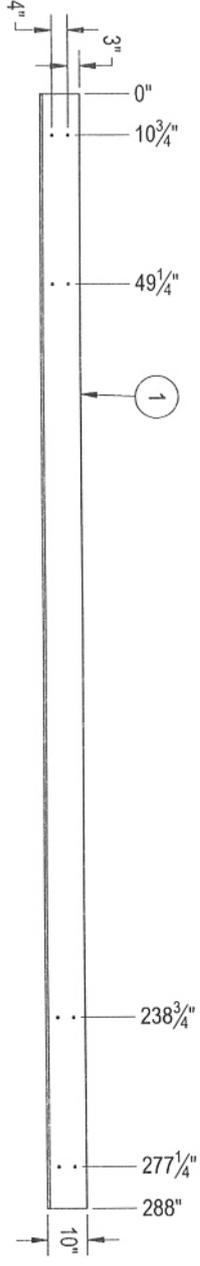
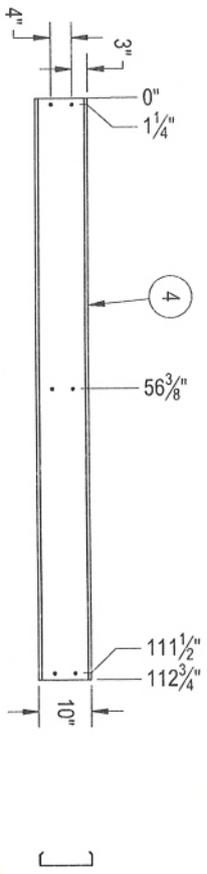


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0	ISSUED FOR CONSTRUCTION	11/21/2025	CONSTRUCTION		KW		KW		10/14/2025	25-BSMS		
1			THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNLESS MARKED									
2												
3												

SHEET 13 OF 24

ITEM NO.	WORK ORDER	QTY.	DESCRIPTION	LENGTH
1	Z1	42	25-BSMB Z1 ZEE PURLIN 10X14GA	288"
2	Z2	3	25-BSMB Z2 ZEE PURLIN 10X14GA	312"
3	Z3	4	25-BSMB Z3 ZEE PURLIN 10X14GA	312"
4	CEE1	28	25-BSMB CEE1 CEE PURLIN 10X14GA	112 3/4"

BOM Table(Restructured)

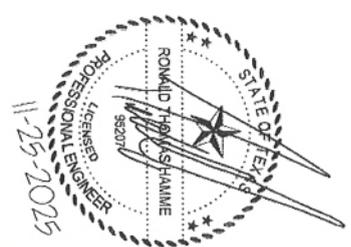
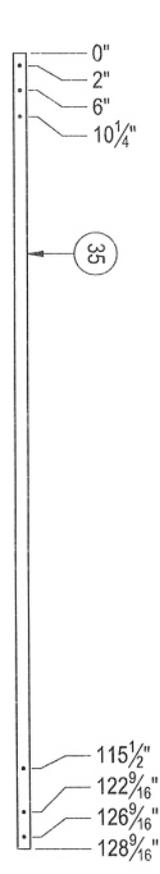
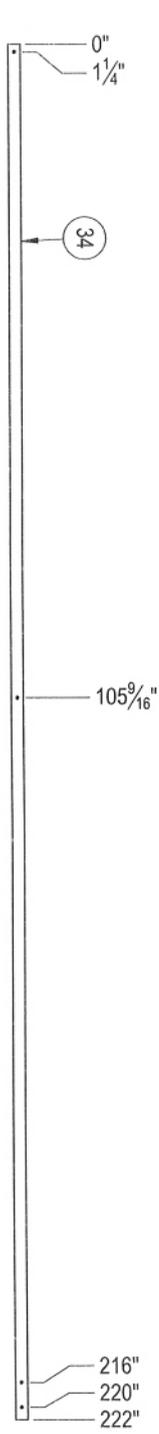
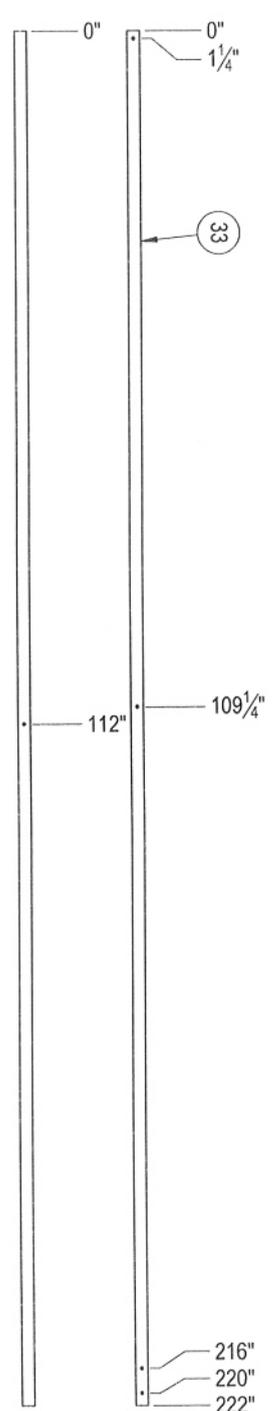
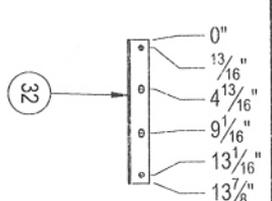
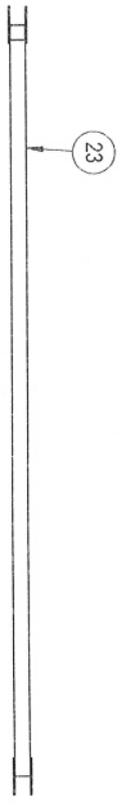


11-25-2025

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0	ISSUED FOR CONSTRUCTION	11/21/2025	CONSTRUCTION		KW			10/14/2025	25-BSMB		SHEET 15 OF 24
1			THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNLESS MARKED								
2											
3											



MARICORP U.S. LLC
1800 FM 2951
GRAFORD, TX 77630



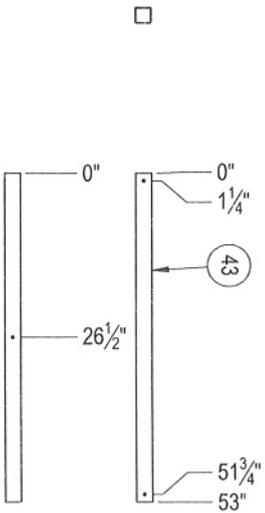
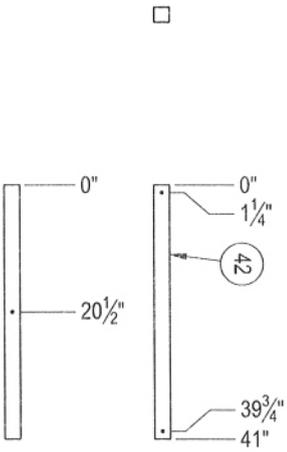
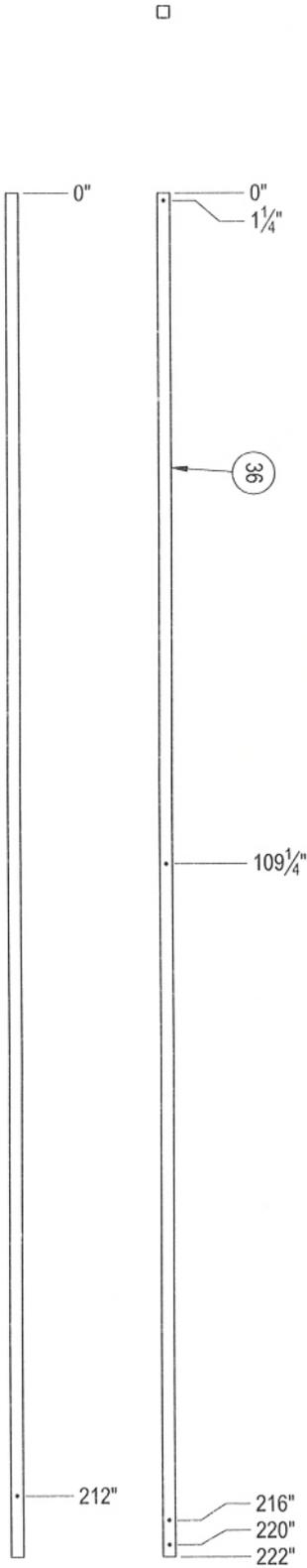
BOM Table(Restructured)

ITEM NO.	WORK ORDER	QTY.	DESCRIPTION	LENGTH
23	DB1	7	25-BSMB DB1 DIAGONAL BRACE	
32	HS A1	28	25-BSMB HS A1 HORIZONTAL SPLICE ANGLE	13 7/8"
33	HWB1	7	25-BSMB HWB1 HORIZONTAL WIND BRACING	222"
34	HWB2	14	25-BSMB HWB2 HORIZONTAL WIND BRACING	222"
35	HWB3	14	25-BSMB HWB3 HORIZONTAL WIND BRACING	128 9/16"

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0	ISSUED FOR CONSTRUCTION	11/21/2025	CONSTRUCTION		CS	KW	10/14/2025	25-BSMB		
1			THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNLESS MARKED							
2										
3										



BOM Table (Restructured)				
ITEM NO.	WORK ORDER	QTY.	DESCRIPTION	LENGTH
36	HWB4	7	25-BSMB HWB4 HORIZONTAL WIND BRACING	222"
42	TB1	62	25-BSMB TB1 TUBE BRACE	
43	TB2	12	25-BSMB TB2 TUBE BRACE	



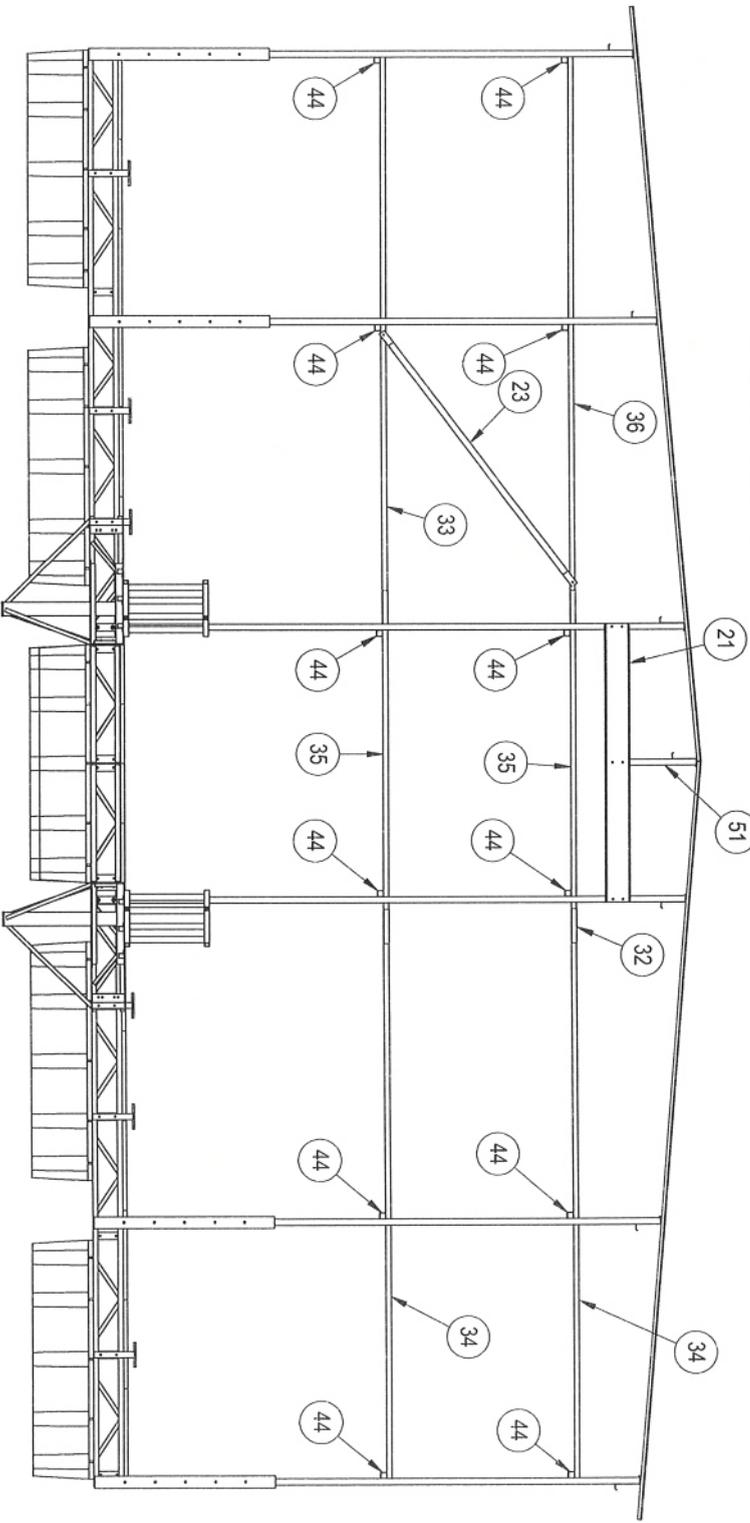
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0	ISSUED FOR CONSTRUCTION	11/21/2025	CONSTRUCTION												
1			THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNLESS MARKED												
2															
3															



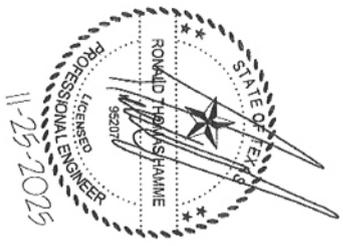
MARICORP U.S. LLC
2500 WEST 10TH STREET
DALLAS, TEXAS 75208
TEL: 972.440.1000
WWW.MARICORP.COM

BOM Table(Restructured)

ITEM NO.	WORK ORDER	QTY.	DESCRIPTION	LENGTH
21	CEE1	28	25-BSMB CEE1 CEE PURLIN 10X14GA	112 3/4"
23	DB1	7	25-BSMB DB1 DIAGONAL BRACE	
32	HS A1	28	25-BSMB HSA1 HORIZONTAL SPLICE ANGLE	13 7/8"
33	HWB1	7	25-BSMB HWB1 HORIZONTAL WIND BRACING	222"
34	HWB2	14	25-BSMB HWB2 HORIZONTAL WIND BRACING	222"
35	HWB3	14	25-BSMB HWB3 HORIZONTAL WIND BRACING	128 9/16"
36	HWB4	7	25-BSMB HWB4 HORIZONTAL WIND BRACING	222"
44	TB2	12	25-BSMB TB2 TUBE BRACE	
51	YS1	14	25-BSMB YS1 YOKE STUB 11GA	36"
60	RP1	51	25-BSMB RP1 PANEL 7.2N 26GA	306"



SECTION THRU FUEL DOCK ADDITION
VIEWED FROM CENTER WALKWAY



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0	ISSUED FOR CONSTRUCTION	11/21/2025	CONSTRUCTION		OS	KW	10/14/2025	25-BSMB		
1			THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNLESS MARKED							
2										
3										

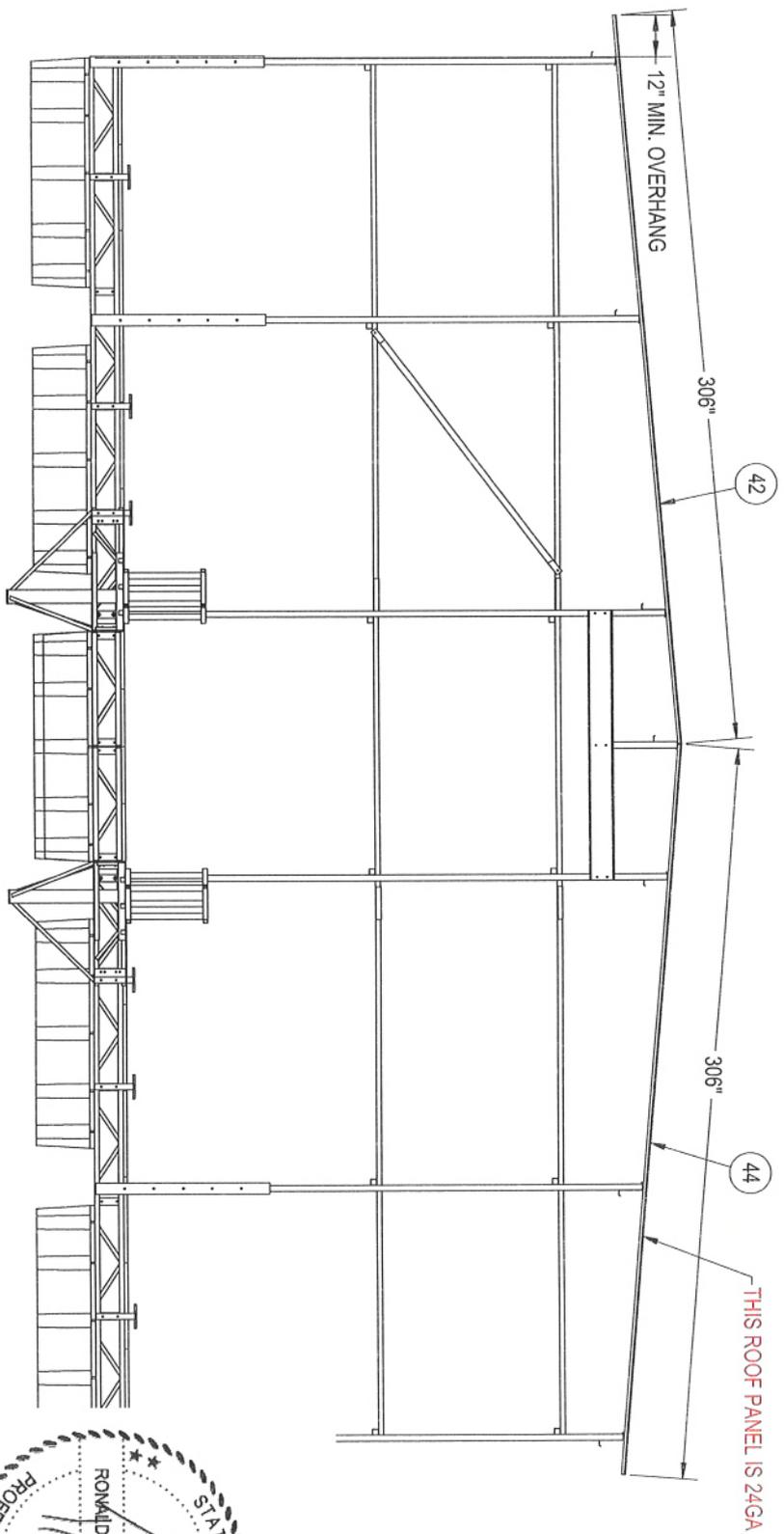


DRAWN BY: OS
CHECKED BY: KW
DATE: 10/14/2025
PROJECT PREFIX: 25-BSMB

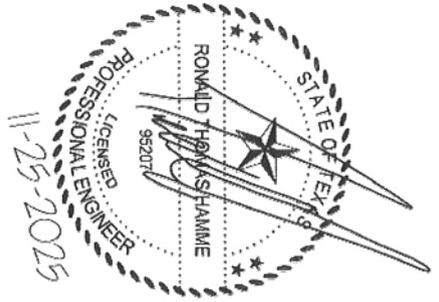
BONITA SHORES MARINA
DOCK B
POSSUM KINGDOM LAKE
1800 FM 2951
GRAFORD, PALO PINTO COUNTY, TX

WIND BRACE
LAYOUT 2
SHEET 20 OF 24

BOM Table (Restructured)				LENGTH
ITEM NO.	WORK ORDER	QTY.	DESCRIPTION	
42	RP2	12	25-BSMB RP2 PANEL 7.2N 26GA	306"
44	RP4	12	25-BSMB RP3 PANEL 7.2N 24GA	306"



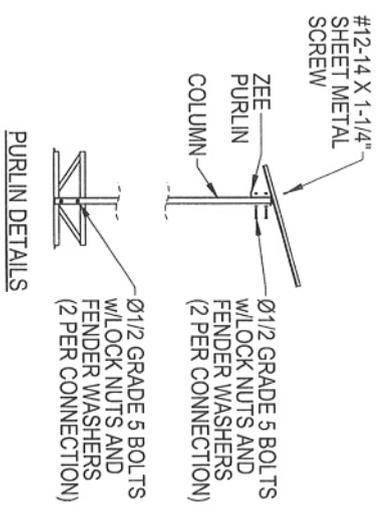
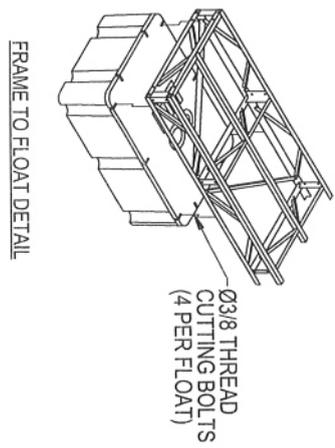
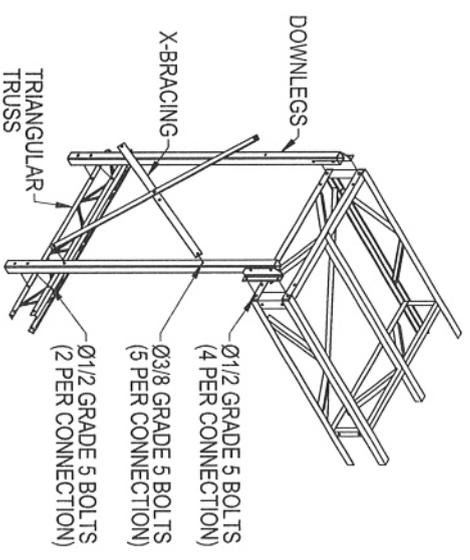
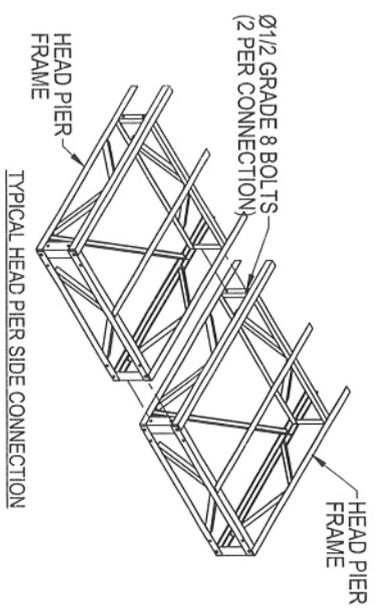
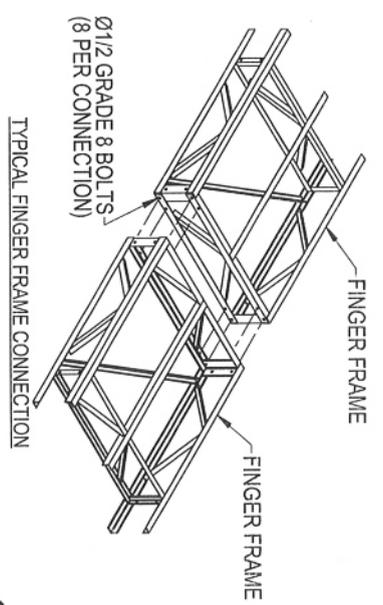
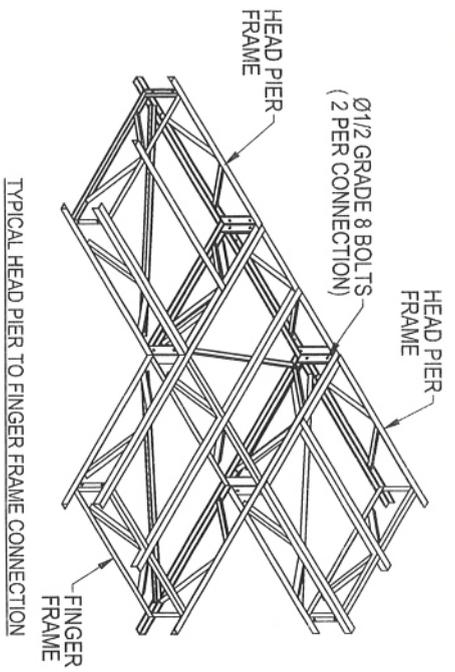
SECTION THRU FUEL DOCK ADDITION
VIEWED FROM CENTER WALKWAY



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0	ISSUED FOR CONSTRUCTION	11/21/2015	CONSTRUCTION		CHECKED BY:	KW	1800 FM 2951	
1			THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNLESS MARKED		DATE:	10/14/2015	POSSUM KINGDOM LAKE	
2					PROJECT PREFIX:	25-BSMB	GRAFORD, PALO PINTO COUNTY, TX	SHEET 22 OF 24
3								



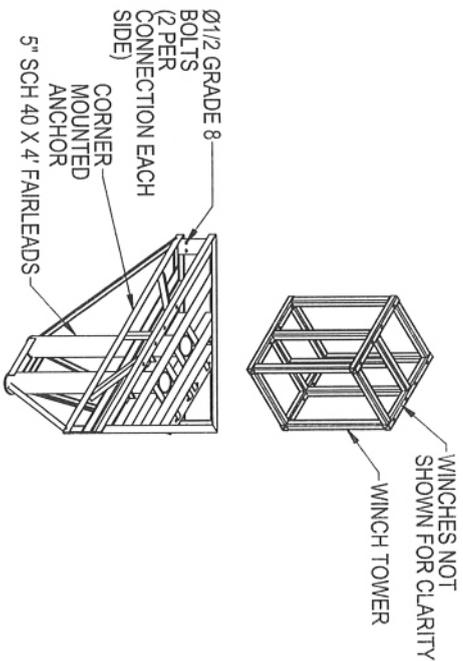
25-BSMB U.S. LLC
3045 FARM ROAD
MCKINNEY, TX 75069



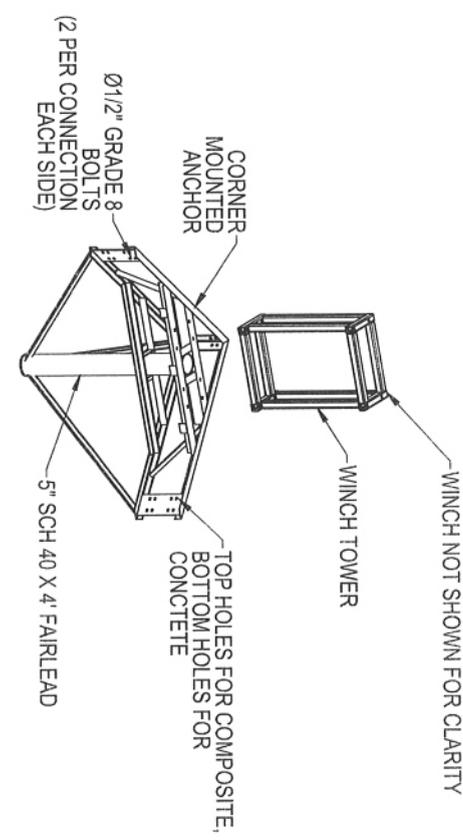
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0	ISSUED FOR CONSTRUCTION	11/21/2015	CONSTRUCTION		OS	KW	10/14/2015	25-SSUB		
1										
2										
3										

THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNLESS MARKED

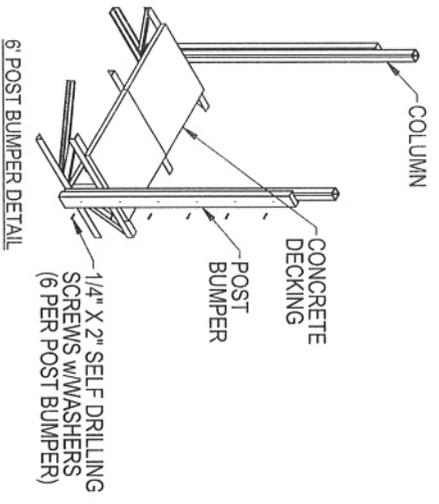
MARICORP U.S. LLC. 2015 ALL RIGHTS RESERVED.



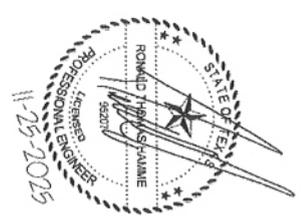
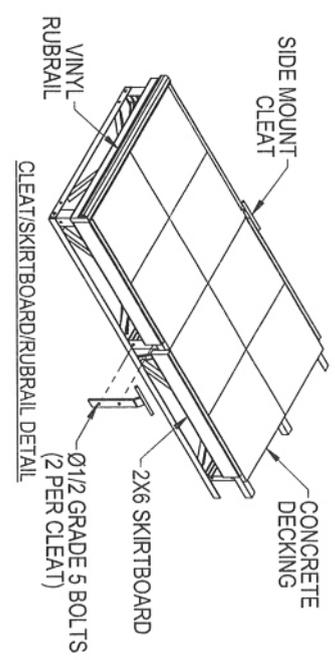
DOUBLE WINCH TOWER CONNECTION



LM16/DW11 COMBO CONNECTION



6 POST BUMPER DETAIL



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0	ISSUED FOR CONSTRUCTION	11/21/2025	CONSTRUCTION						
1				THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNLESS MARKED					
2									
3									



DRAWN BY: OS
 CHECKED BY: KW
 DATE: 10/14/2025
 PROJECT PREFIX: 25-85MB
BONITA SHORES MARINA
DOCK B
 POSSUM KINGDOM LAKE
 1800 FM 2951
 GRAFORD, PALO PINTO COUNTY, TX
 SHEET 24 OF 24