

CIVIL NOTES

1. HORIZONTAL CONTROL: NAD 83 / 91
2. VERTICAL CONTROL: MLLW (WSDOT)
3. HORIZONTAL CONTROL STATIONS: GP18304-20 (210,601.652 / 1,198,399.944)
PORT2 (210,519.72 / 1,198,369.70)
PARAMETRIX GPS-21 (211,030.50 / 1,198,615.41)
96023 (210,752.12 / 1,198,463.18)
4. BENCHMARK: TIDAL 8 1988 RESET 1997, ELEVATION = 18.24
5. COORDINATES FOR WALKWAY FLOATS REPRESENT THE FLOAT CENTERLINE OR THE OUTSIDE EDGE OF RUB STRIP. FLOAT DIMENSIONS ARE FROM OUTSIDE EDGE OF RUB STRIP TO OUTSIDE EDGE OF RUB STRIP.
6. COORDINATES FOR PILES REPRESENT THE CENTER OF THE PILE SECTION.
7. SITE PLAN IS BASED ON A SURVEY BY PARAMETRIX, INC., DATED 20JUNE2002 AND REVISED ON 10MARCH 2005. JOB NUMBER 232-3941-002 P01 T01.
8. CONTRACTOR SHALL PROCURE AND PAY FOR ALL SURVEYING REQUIRED TO INSURE THAT THE WORK IS INSTALLED IN THE LOCATIONS INDICATED.

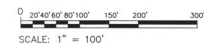
FLAG NOTES

1. LOCATE & MARK EXISTING SUBMARINE TELEPHONE CABLE THROUGHOUT CONSTRUCTION ZONE. DO NOT DAMAGE TELEPHONE CABLE.
2. LOCATE & PROTECT EXISTING SEWER FORCE MAIN BURIED IN BEACH WEST OF BOARDWALK & NORTH OF SECOND ST.

BOREHOLE COORDINATE SCHEDULE *					
BOREHOLE	NORTHING	EASTING	MUDLINE ELEVATION (FT)	BOREHOLE DEPTH BELOW MUDLINE (FT)	MUDLINE ELEVATION (FT)
1	210,219.39	1,198,967.17	-66.0	30.9	-96.9
2	210,502.78	1,199,263.99	-56.5	60.5	-117.0
3	210,999.91	1,199,195.58	-25.0	67.7	-92.7
4	210,606.66	1,198,971.39	-47.0	41.9	-88.9
5	210,531.80	1,198,688.03	-29.0	51.5	-80.5
6	211,086.54	1,198,896.17	-22.0	48.8	-70.8
7	210,879.20	1,198,739.47	-20.0	37.0	-57.0

* FINAL GEOTECHNICAL REPORT BY GOLDER ASSOC., JUNE 12, 2006.

MARINA SITE PLAN
1" = 100'



IF SHEET IS NOT 22"x34" SCALE ACCORDINGLY



ART ANDERSON ASSOCIATES

200 PACIFIC AVE
BREMERTON, WA 98537
(360) 479-5600



**PORT OF BREMERTON
BREMERTON MARINA EXPANSION
MARINA INSTALLATION**

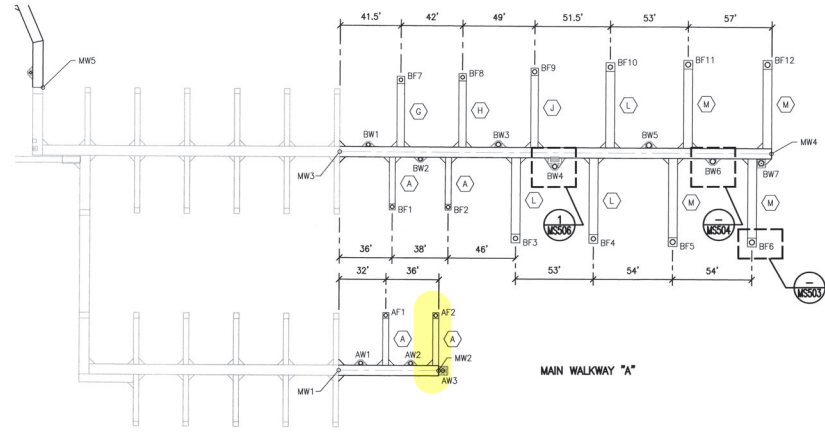
DESIGNER:	JRM
DESIGNED:	JRL
CHECKED:	RFH
DATE:	03NOV06
REVISIONS:	
BID SET	
JOB NO:	FWPOB077
SHT TITLE:	MARINA SITE PLAN

EDA AWARD No. 07-01-08806

SHT NO 10 OF 95
MC1.01

FINGERFLOAT SCHEDULE

ID	SIZE
A	4' x 36'
B	4' x 38'
C	4' x 40'
D	4' x 42'
E	4' x 44'
F	5' x 46'
G	5' x 48'
H	5' x 50'
I	5' x 52'
J	5' x 54'
K	6' x 56'
L	6' x 58'
M	6' x 60'
N	11' x 50'
O	11' x 56'
P	5' x 40'



MAIN WALKWAY "A" & "B"
1" = 40'

COORDINATE SCHEDULE				
POINT ID	NORTHING	EASTING	PILE SIZE	TIP ELEV. (FT)
MW1*	210295.74	1198483.01		
MW2	210245.73	1198529.086		
MW3*	210396.56	1198592.44		
MW4	210180.33	1198791.65		
MW5*	210587.14	1198488.39		
AW1	210288.05	1198496.80	30"φ x 1/2"	-68
AW2	210263.04	1198519.83	30"φ x 1/2"	-70
AW3	210243.52	1198531.12	30"φ x 1/2"	-71
AF1	210297.62	1198532.27	30"φ x 1/2"	-70
AF2	210272.61	1198555.31	30"φ x 1/2"	-72
BW1	210385.51	1198609.23	30"φ x 1/2"	-71
BW2	210352.81	1198626.13	30"φ x 1/2"	-75
BW3	210320.78	1198669.59	30"φ x 1/2"	-79
BW4	210282.45	1198684.80	36"φ x 1/2"	-81
BW4***	210285.16	1198687.74	36"φ x 1/2"	-81
BW5	210245.40	1198739.04	36"φ x 1/2"	-85
BW6	210206.09	1198760.57	36"φ x 1/2"	-87
BW7	210181.07	1198782.12	36"φ x 1/2"	-89
BF1	210344.67	1198589.26	30"φ x 1/2"	-72
BF2	210316.72	1198615.00	30"φ x 1/2"	-75
BF3	210268.66	1198630.73	30"φ x 1/2"	-78
BF4	210229.68	1198666.64	36"φ x 1/2"	-81
BF5	210188.61	1198701.75	36"φ x 1/2"	-84
BF6	210148.90	1198738.34	36"φ x 1/2"	-87
BF7	210399.24	1198656.60	30"φ x 1/2"	-74
BF8	210369.70	1198686.53	30"φ x 1/2"	-79
BF9	210336.37	1198722.67	36"φ x 1/2"	-83
BF10	210300.87	1198760.14	36"φ x 1/2"	-86
BF11	210263.24	1198797.52	36"φ x 1/2"	-88
BF12	210223.53	1198834.11	36"φ x 1/2"	-90

- LEGEND**
- MW MARGINAL OR MAIN WALKWAY
 - MWP MARGINAL OR MAIN WALKWAY PILE
 - AW MAIN WALKWAY "A" PILE
 - AF MAIN WALKWAY "A" FINGER PILE
 - BW MAIN WALKWAY "B" PILE
 - BF MAIN WALKWAY "B" FINGER PILE
 - CW MAIN WALKWAY "C" PILE
 - CF MAIN WALKWAY "C" FINGER PILE
 - PW MAIN WALKWAY "D" PILE
 - PF MAIN WALKWAY "D" FINGER PILE
 - DW MAIN WALKWAY "D" PILE
 - DF MAIN WALKWAY "D" FINGER PILE
 - EW MAIN WALKWAY "E" PILE
 - EF MAIN WALKWAY "E" FINGER PILE

NOTE: PILE CUTOFF AT +20. DRIVE PILE TO TIP ELEVATION OR REFUSAL, WHICHEVER COMES FIRST. * EXISTING LOCATION, FIELD VERIFY *** ADD ALTERNATE 3C



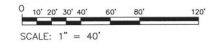
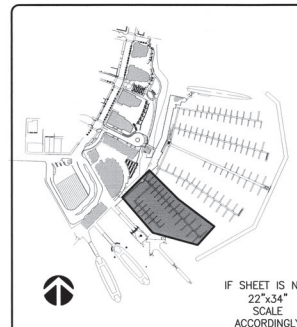
ART ANDERSON ASSOCIATES
100 PACIFIC AVE
BREMERTON, WA 98537
(360) 479-5600



**PORT OF BREMERTON
BREMERTON MARINA EXPANSION
MARINA INSTALLATION**

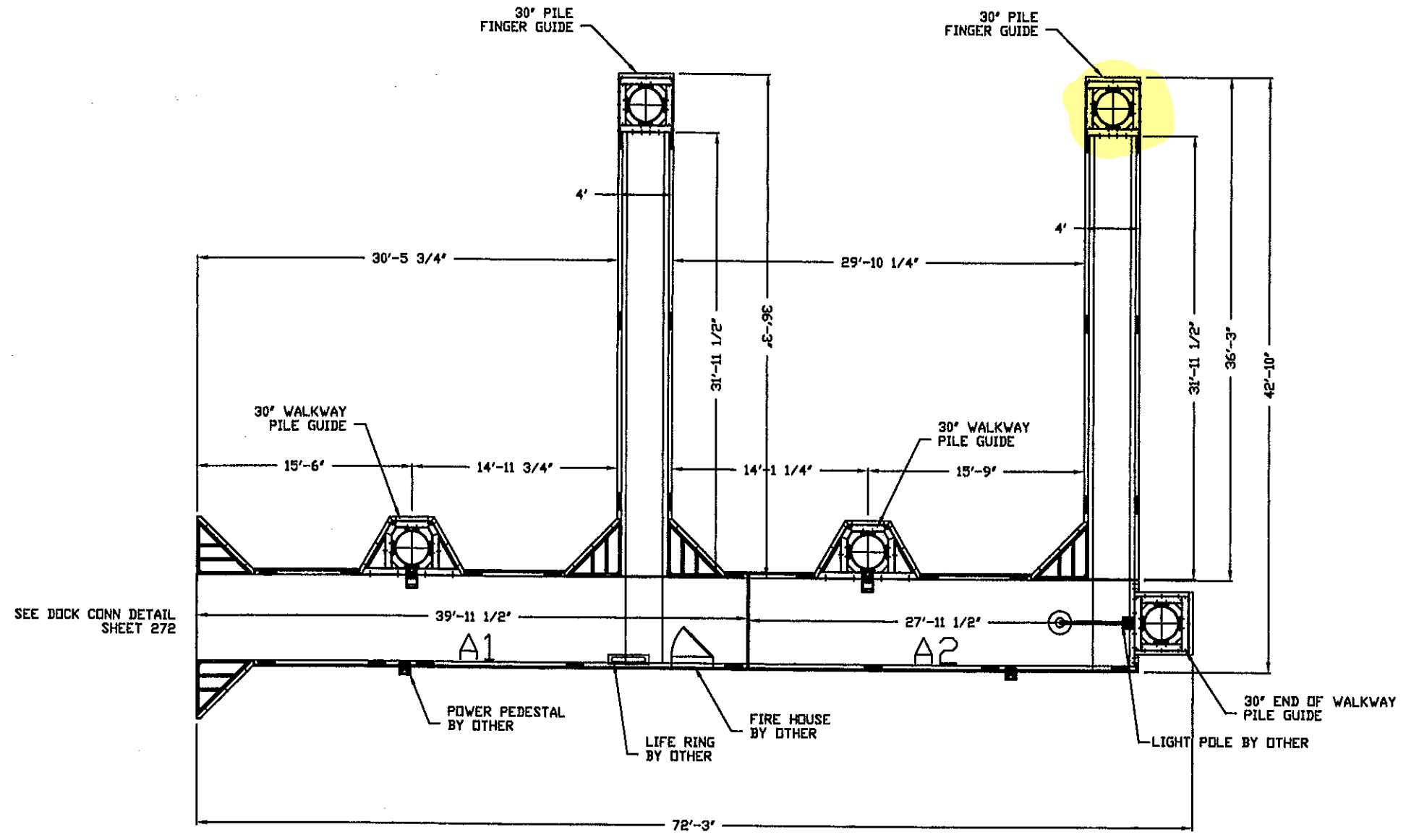
EDA AWARD No. 07-01-08905

DESIGNED:	FJM
DESIGNED:	JRL
CHECKED:	RFH
DATE:	03NOV06
REVISIONS:	BID SET
JOB NO.:	FWP08077
DATE:	
SCALE:	MARGINAL & MAIN WALKWAY "A" & "B" PLAN & COORDINATE SCHEDULE

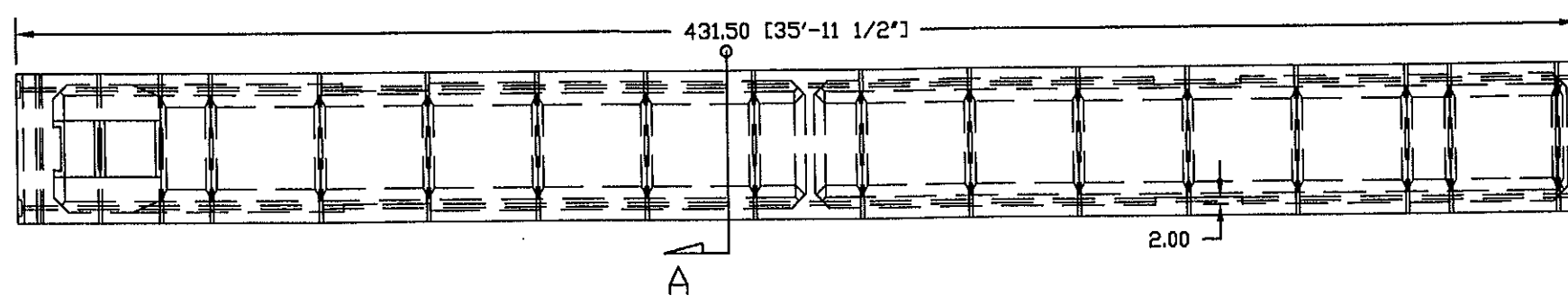


IF SHEET IS NOT 22"x34" SCALE ACCORDINGLY
SHEET NO. 11 OF 95
MC1.02

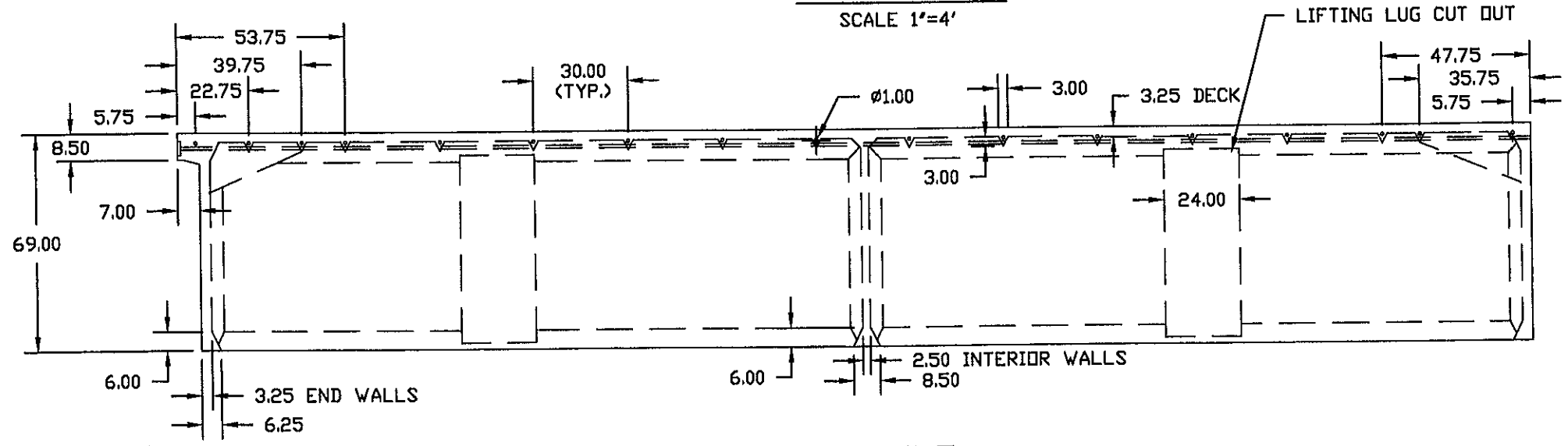
6/13



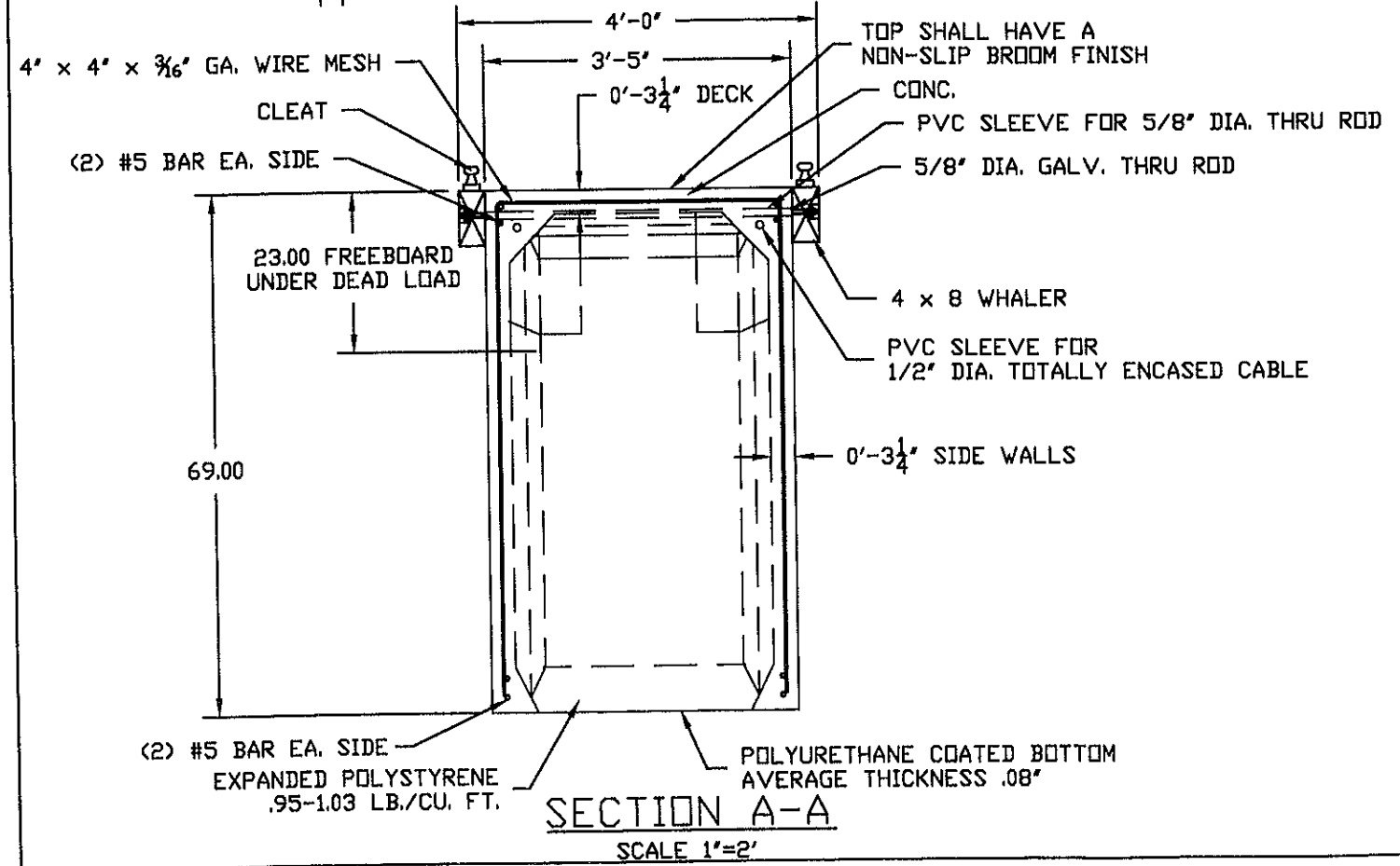
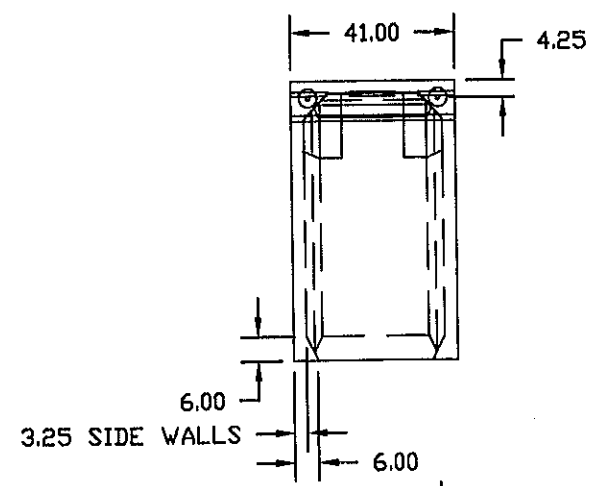
ALUMINUM DIRT LIFTS, DOCKS & ACCESSORIES				PIER "A"	
SHOREMASTER					
BY SHOREMASTER ENGINEERING 1 SHOREMASTER DRIVE, IND. PARK P.O. BOX 368 FERGUS FALLS, MN 58638-0368 (218) 739-4641				DRAWN BY: MDT	DATE: 3/29/07
				SHEET 3	DOCK
B	DOCK CONN DETAIL	06/05/07	DWG #: PIER A PLAN		
A	ADD CALL OUTS	04/25/07			
REV	DESCRIPTION	APPR'D DATE			



PLAN VIEW
SCALE 1"=4'



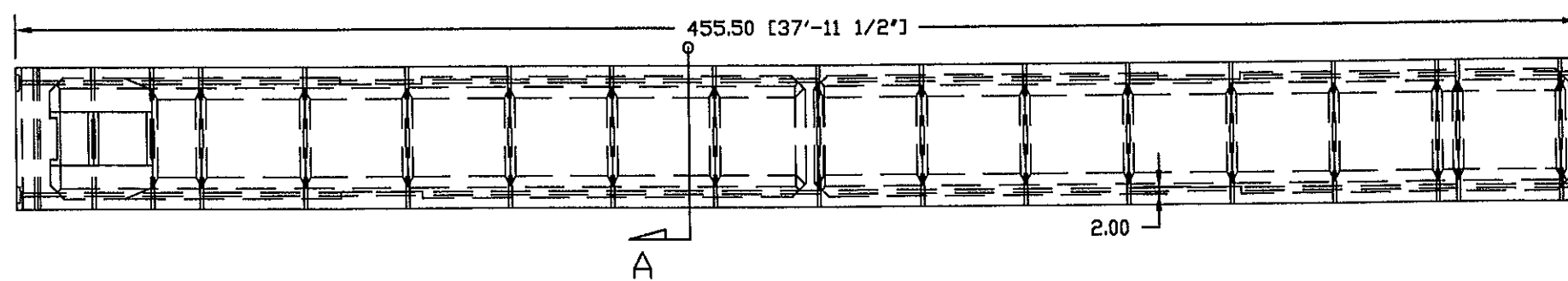
PROFILE
SCALE 1"=4'



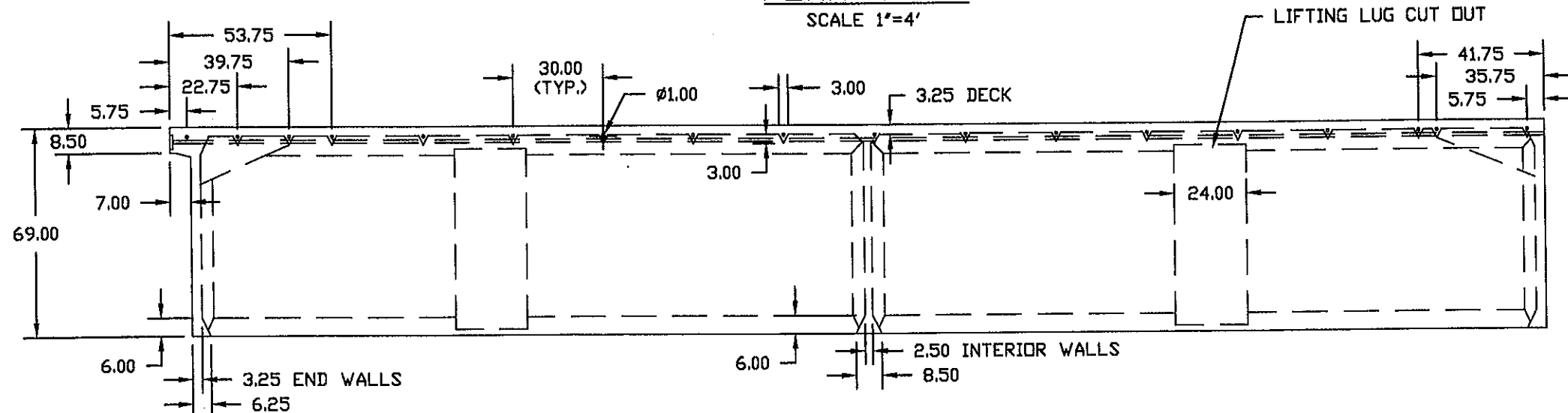
SECTION A-A
SCALE 1"=2'

PORT OF BREMERTON

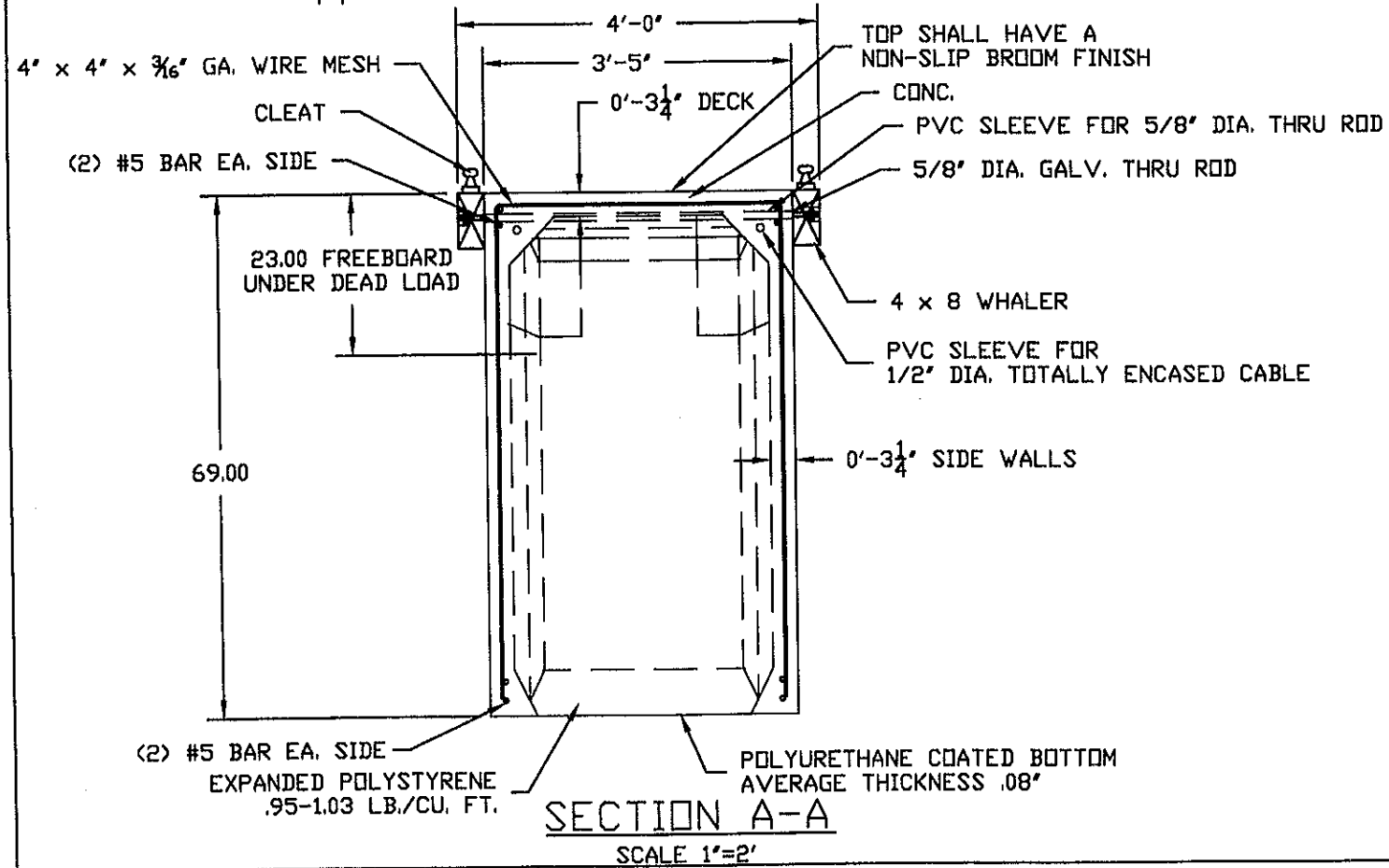
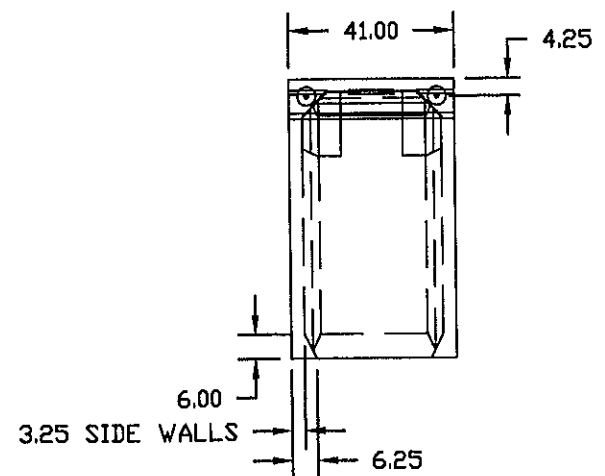
SHOREMASTER				4' X 36' FINGER	
<small>BY SHOREMASTER ENGINEERING 1 SHOREMASTER DRIVE, IND. PARK P.O. BOX 368 PERCUS FALLS, MN 56638-0368 (218) 739-4641</small>				DRAWN BY: MDT	DATE: 2/20/07
B	CHG FREEBOARD	6/1/07	23	DOCK	
A	END CAGE TO 4.25	04/23/07			
REV	DESCRIPTION	APPR'D	DATE	DWG #: 436 PLAN	



PLAN VIEW
SCALE 1"=4'



PROFILE
SCALE 1"=4'



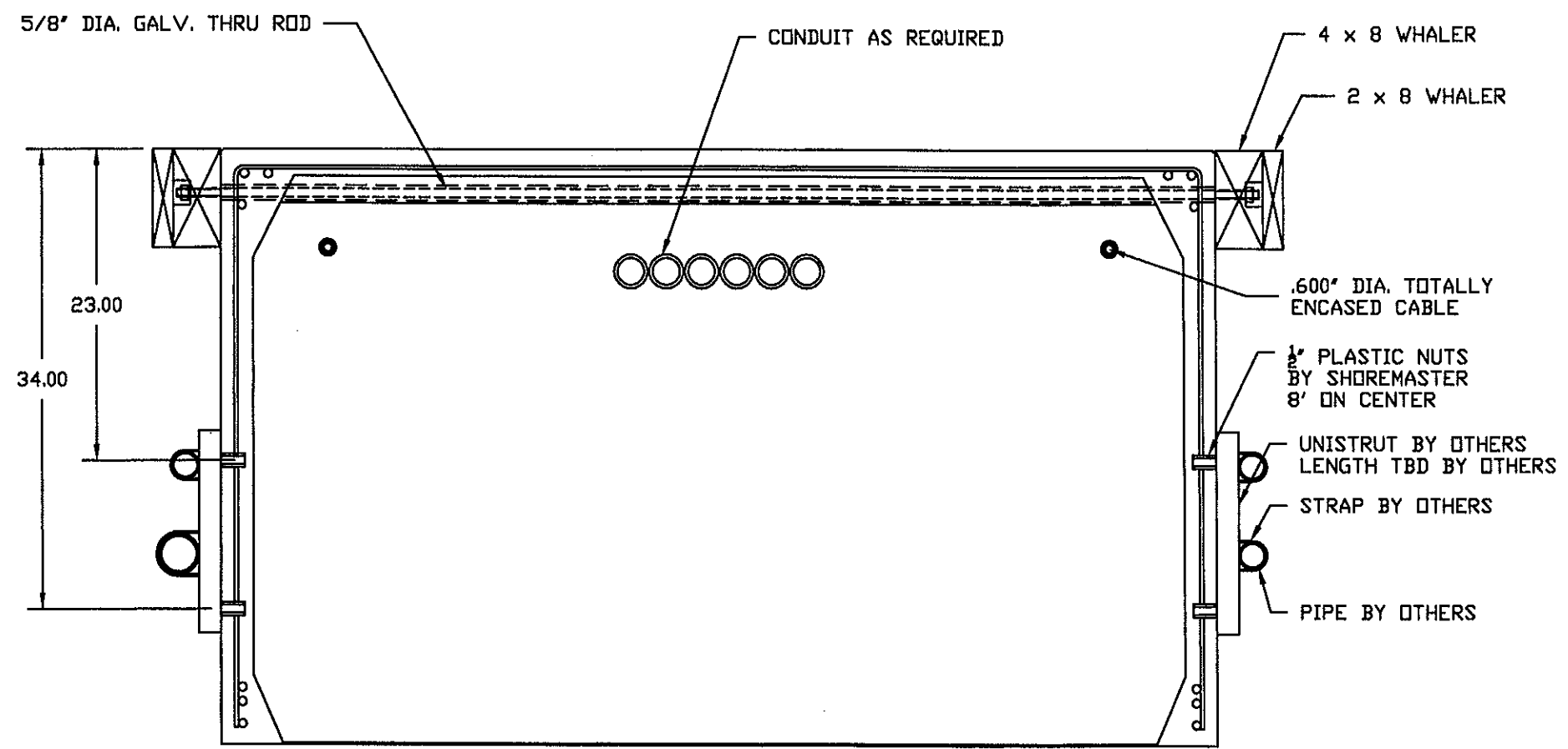
SECTION A-A
SCALE 1"=2'

PORT OF BREMERTON

ALUMINUM DIRT LIFTS, JACKS & ACCESSORIES
SHOREMASTER
BY SHOREMASTER ENGINEERING
1 SHOREMASTER DRIVE, IND. PARK
P.O. BOX 358
FERGUS FALLS, MN 56538-0358
(218) 739-4641

4' X 38' FINGER			
DRAWN BY:		DATE:	
MDT		2/20/07	
25		DOCK	
B	CHG FREEBOARD	6/1/07	
A	END CAGE TO 4.25	04/23/07	
REV	DESCRIPTION	APPR'D	DATE

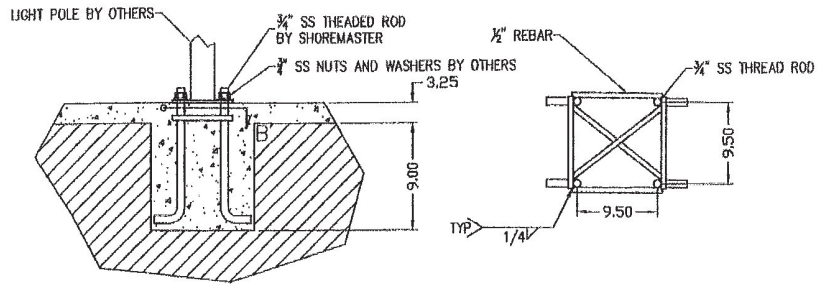
DWG #: 438 PLAN



ALUMINUM DIRT LIFTS, DOCKS & ACCESSORIES
SHOREMASTER
 BY SHOREMASTER ENGINEERING
 1 SHOREMASTER DRIVE, IND. PARK
 P.O. BOX 358
 FERGUS FALLS, MN 56538-0358
 (218) 739-4641

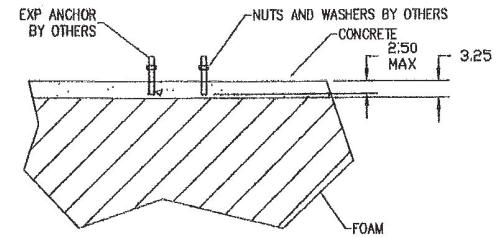
REV	DESCRIPTION	APPR'D	DATE
B	MOVE TOP NUT LOCATION		06/12/07
A	MOVE NUT LOCATION		04/25/07

PLUMBING DETAIL	
DRAWN BY:	DATE:
CW	04/04/07
DOCK	
267	
DWG #: PLUMBING	



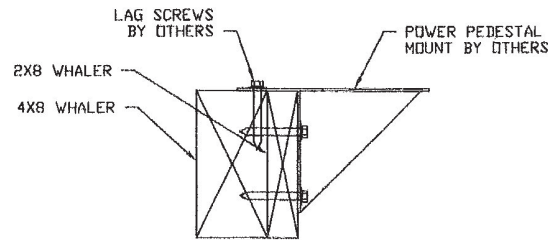
SECTION B-B

LIGHT POLE SUPPORT
DETAIL



ACCESSORY MOUNTING DETAIL
BY OTHERS

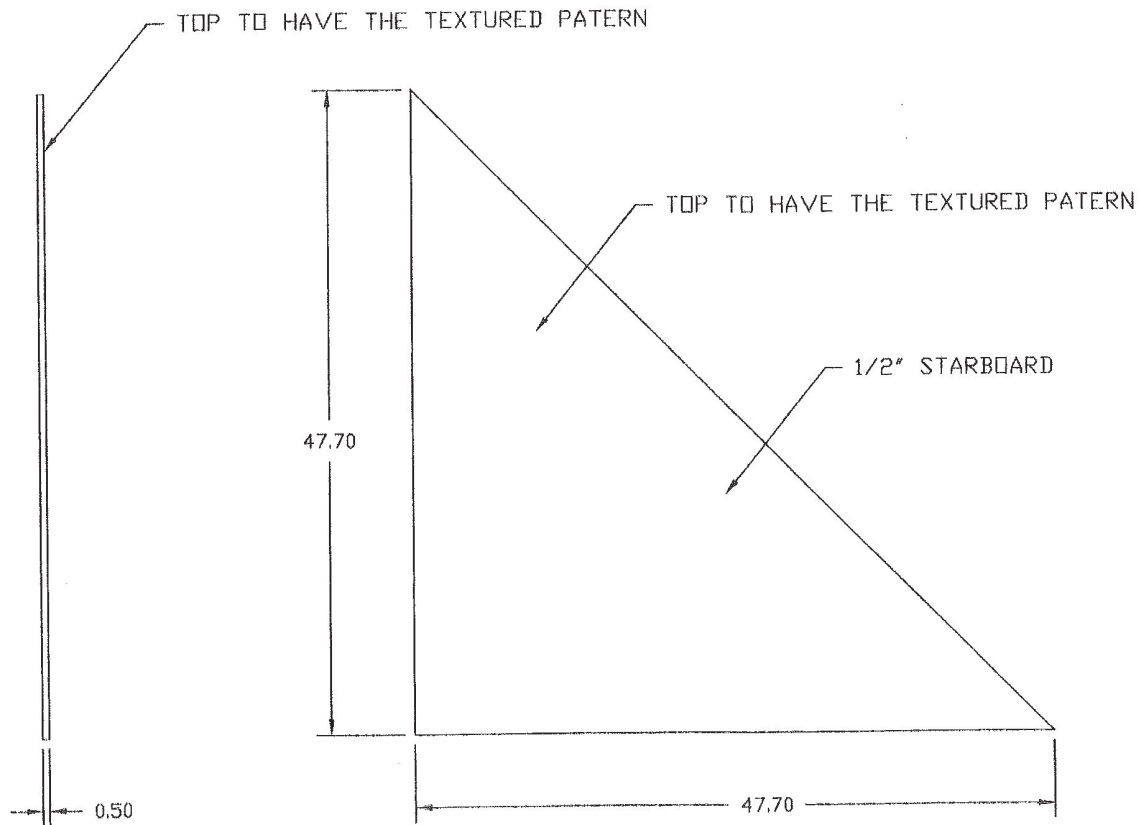
LIGHT POLE MOUNTING DIMS MUST
BE VERIFIED WITH VENDOR



POWER PEDESTAL
DOCK MOUNT

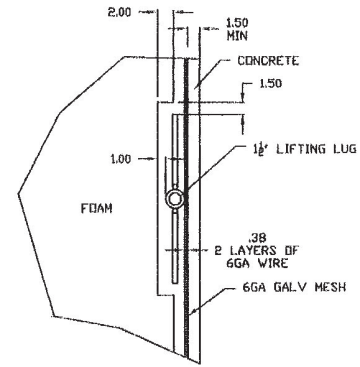
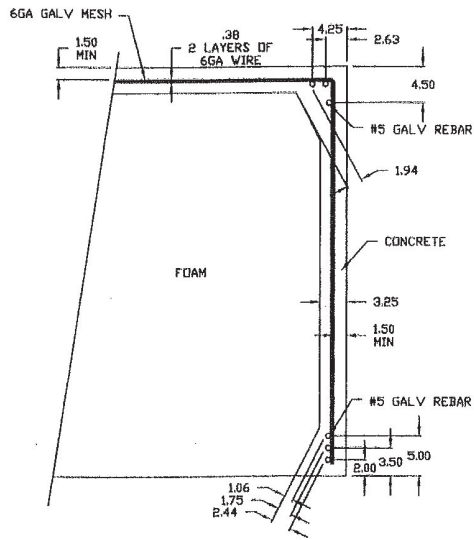
ALUMINUM DIRT LEYS, DOCKS & ACCESSORIES
SHOREMASTER
BY SHOREMASTER ENGINEERING
1 SHOREMASTER DRIVE, 17TH FLOOR
P.O. BOX 302
PERCUS FALLS, MN 56638-0368
(810) 939-4841

			ACCESSORY MOUNTING	
			DRAWN BY:	DATE:
			CW	04/04/07
			269	DOCK
A	ADD WELD AND DEPTH		04/25/07	DWG #: MISCCONN
REV	DESCRIPTION	APPR'D	DATE	



PANELS TO BE ATTACHED WITH #14 X 1 1/2" GLAV
 SELF TAPPING FLAT HEAD SCREWS 8 PLACES.

ALUMINUM BOAT LIFTS, DOCKS & ACCESSORIES SHOREMASTER BY SHOREMASTER ENGINEERING 1025 INTERNATIONAL DR. P.O. BOX 368 FERGUS FALLS, MN 56538-0368 (218) 739-4641 (800) 328-8945 FAX-(218) 739-4000				4' DECK PANEL	
DRAWN BY:		DATE:			
MDT		3/7/07			
		259		CHECKED BY	
A	ADD SCREW NOTE		04/25/07	DWG #	
REV	DESCRIPTION	APPR'D	DATE	4X4STARDP	

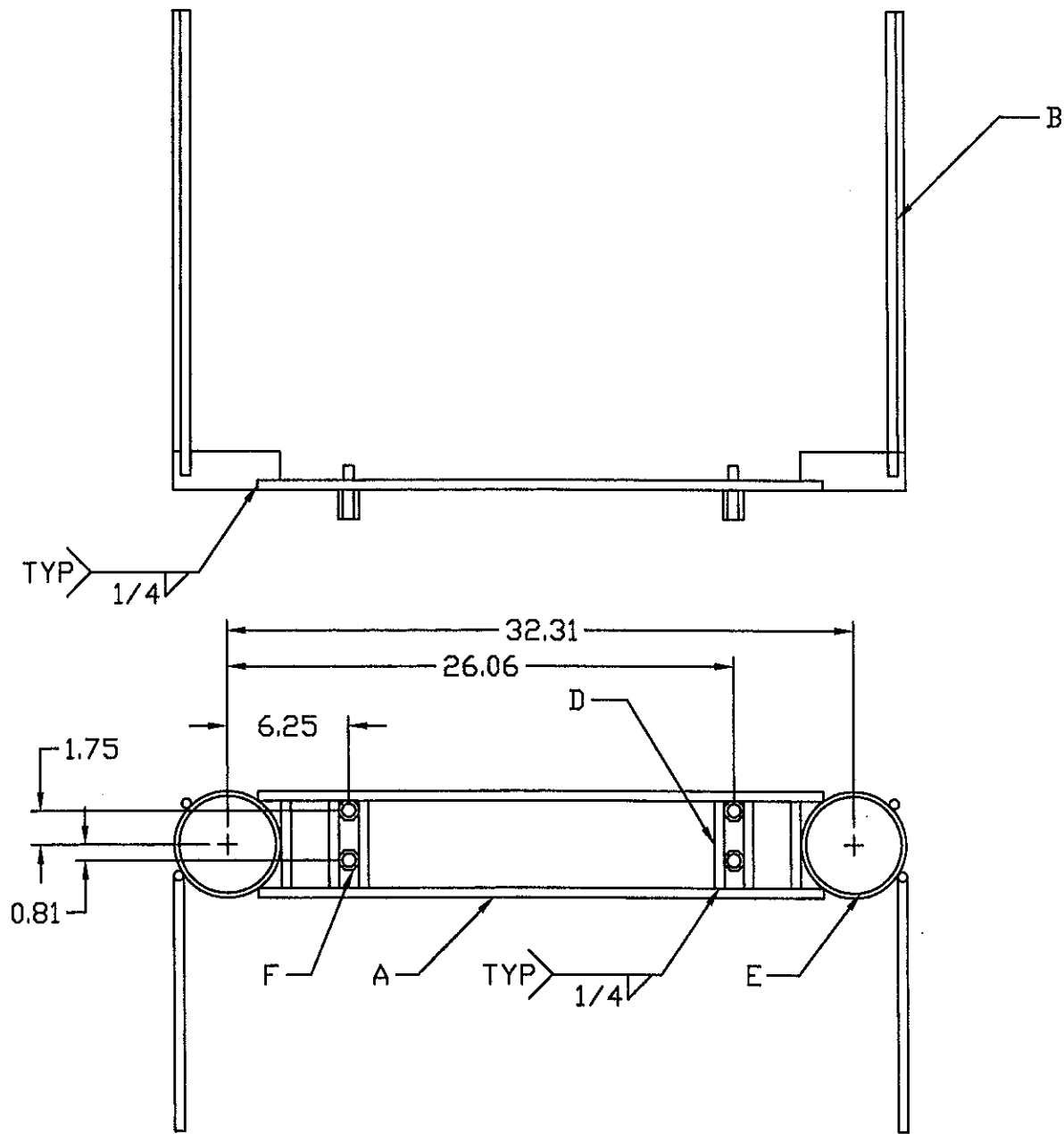


LIFTING LUG

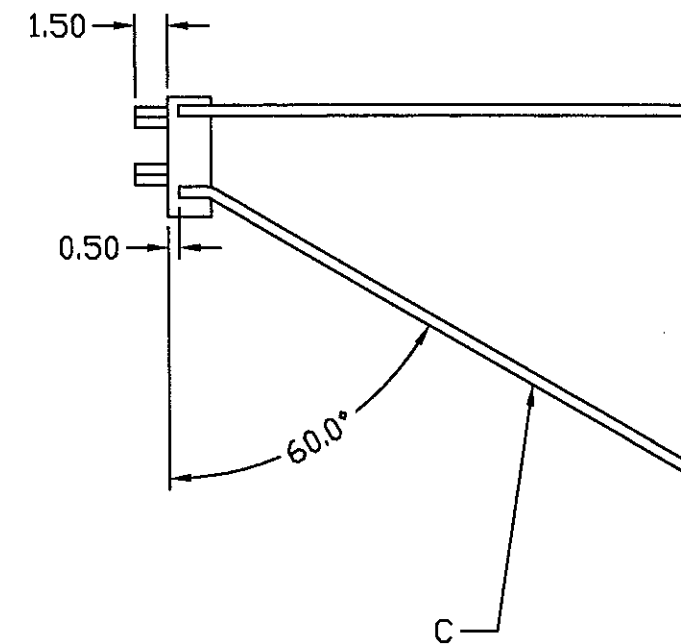
ALUMINUM BUMP LEPTS, BOLTS & ACCESSORIES
SHOREMASTER
 BY SHOREMASTER ENGINEERING
 1 SHOREMASTER DRIVE, IND. PARK
 P.O. BOX 368
 PERCUS FALLS, MN 56558-0368
 (218) 738-4841

				CLEARANCE ISSUE	
				DRAWN BY:	DATE:
				CW	06/01/07
				PHASE	DOCK
				DWG #: CLEARANCE	
REV	DESCRIPTION	APP'D	DATE		

Sheet 271



4' FINGER END CAGE JIG TO BE USED FOR CONSTRUCTION



ITEM	MATERIAL	LENGTH	QTY.	QTY.
A	1/2" REBAR	29.13	2	2
B	1/2" REBAR	24.0	2	2
C	1/2" REBAR	27.38	2	2
D	1/2" REBAR	4.50	6	4
E	5 1/2" OD x 5" ID ROUND TUBE	2.0	2	2
F	5/8" EXT. NUT 316 SS	-	4	4

QTY 68	SHT 225
DOCK NO.	
4' FINGER END CAGE	
SIZE	QTY.
N/A	PER ORDER
DOCK DESIGN	
N/A	
JOB COM100259	
	CH