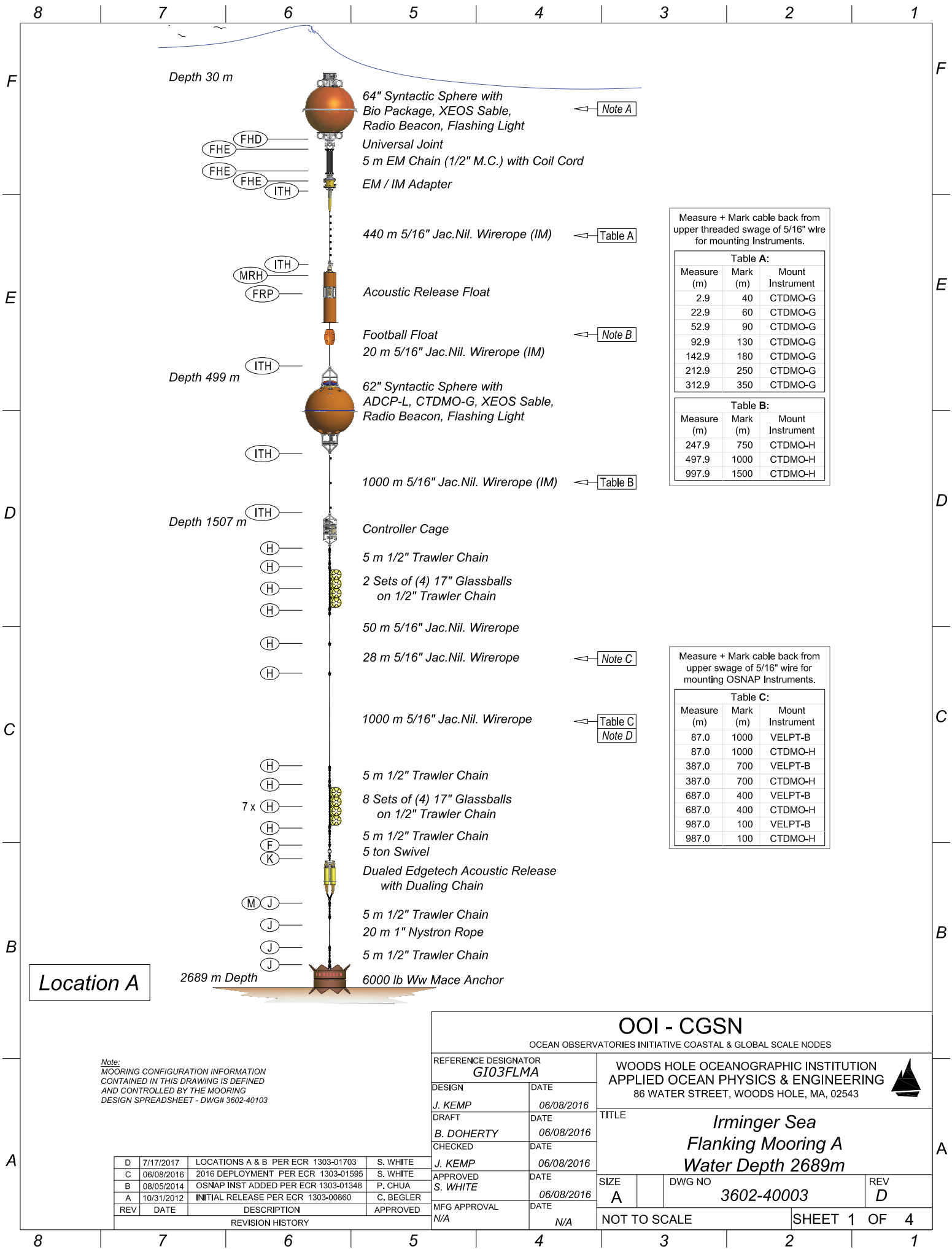


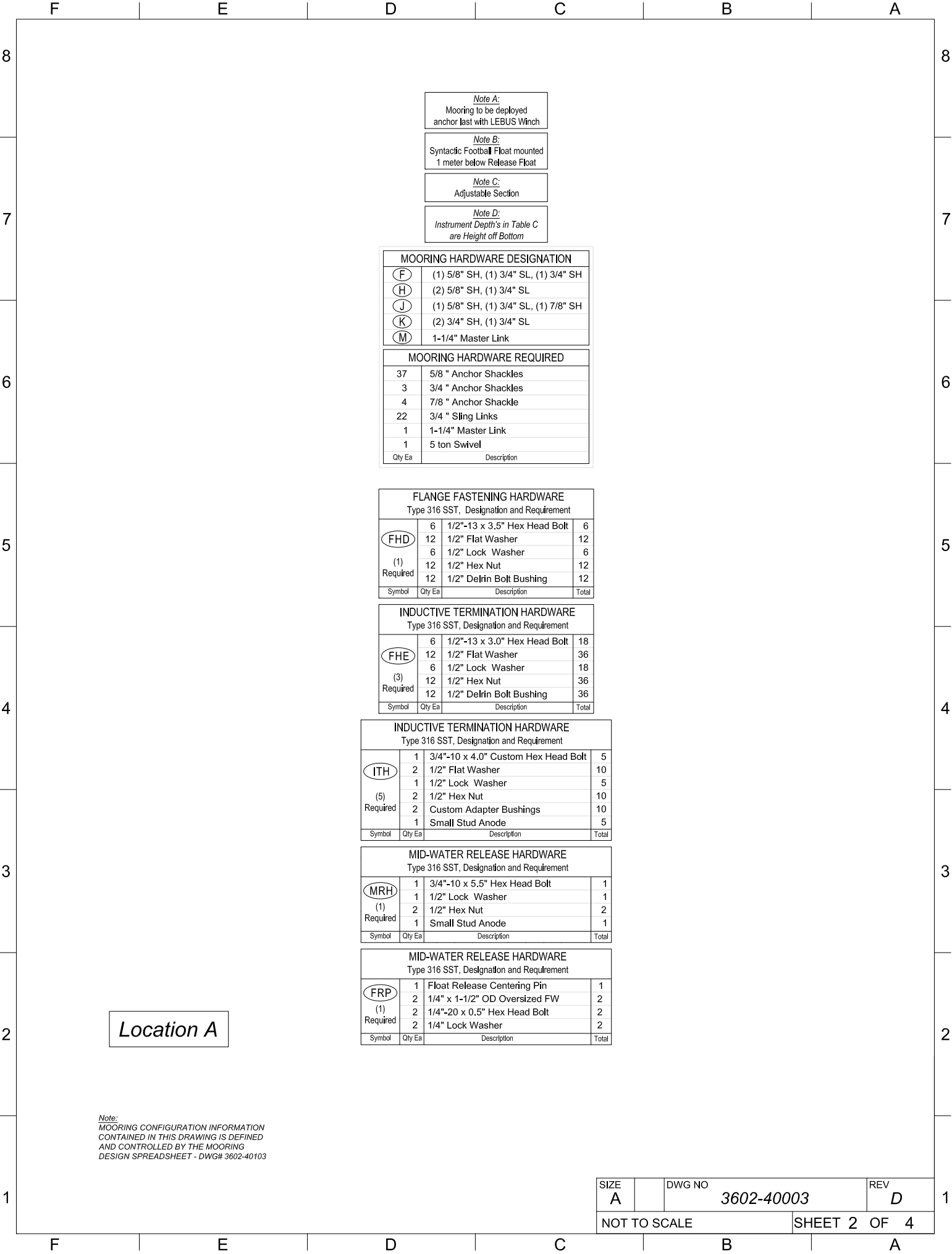


Note:
MOORING CONFIGURATION INFORMATION
CONTAINED IN THIS DRAWING IS DEFINED
AND CONTROLLED BY THE MOORING
DESIGN SPREADSHEET - DWG# 3602-40103

REV	DATE	DESCRIPTION	APPROVED
D	7/17/2017	LOCATIONS A & B PER ECR 1303-01703	S. WHITE
C	06/08/2016	2016 DEPLOYMENT PER ECR 1303-01595	S. WHITE
B	08/05/2014	OSNAP INST ADDED PER ECR 1303-01348	P. CHUA
A	10/31/2012	INITIAL RELEASE PER ECR 1303-00860	C. BEGLER
REV	DATE	DESCRIPTION	APPROVED

REVISION HISTORY

OOI - CGSN			
OCEAN OBSERVATORIES INITIATIVE COASTAL & GLOBAL SCALE NODES			
REFERENCE DESIGNATOR		WOODS HOLE OCEANOGRAPHIC INSTITUTION APPLIED OCEAN PHYSICS & ENGINEERING	
GI03FLMA		86 WATER STREET, WOODS HOLE, MA, 02543	
DESIGN	DATE	TITLE	
J. KEMP	06/08/2016	Irminger Sea Flanking Mooring A Water Depth 2689m	
DRAFT	DATE		
B. DOHERTY	06/08/2016		
CHECKED	DATE	SIZE	DWG NO
J. KEMP	06/08/2016	A	3602-40003
APPROVED	DATE	REV	
S. WHITE	06/08/2016	D	
MFG APPROVAL	DATE	NOT TO SCALE	
N/A	N/A	SHEET 1 OF 4	



Note A:
Mooring to be deployed
anchor last with LEBUS Winch

Note B:
Syntactic Football Float mounted
1 meter below Release Float

Note C:
Adjustable Section

Note D:
Instrument Depth's in Table C
are Height off Bottom

MOORING HARDWARE DESIGNATION	
(F)	(1) 5/8" SH, (1) 3/4" SL, (1) 3/4" SH
(H)	(2) 5/8" SH, (1) 3/4" SL
(J)	(1) 5/8" SH, (1) 3/4" SL, (1) 7/8" SH
(K)	(2) 3/4" SH, (1) 3/4" SL
(M)	1-1/4" Master Link

MOORING HARDWARE REQUIRED	
37	5/8 " Anchor Shackles
3	3/4 " Anchor Shackles
4	7/8 " Anchor Shackle
22	3/4 " Sling Links
1	1-1/4" Master Link
1	5 ton Swivel
Qty Ea	Description

FLANGE FASTENING HARDWARE Type 316 SST, Designation and Requirement			
(FHD) (1) Required	6	1/2"-13 x 3.5" Hex Head Bolt	6
	12	1/2" Flat Washer	12
	6	1/2" Lock Washer	6
	12	1/2" Hex Nut	12
	12	1/2" Delrin Bolt Bushing	12
Symbol	Qty Ea	Description	Total

INDUCTIVE TERMINATION HARDWARE Type 316 SST, Designation and Requirement			
(FHE) (3) Required	6	1/2"-13 x 3.0" Hex Head Bolt	18
	12	1/2" Flat Washer	36
	6	1/2" Lock Washer	18
	12	1/2" Hex Nut	36
	12	1/2" Delrin Bolt Bushing	36
Symbol	Qty Ea	Description	Total

INDUCTIVE TERMINATION HARDWARE Type 316 SST, Designation and Requirement			
(ITH) (5) Required	1	3/4"-10 x 4.0" Custom Hex Head Bolt	5
	2	1/2" Flat Washer	10
	1	1/2" Lock Washer	5
	2	1/2" Hex Nut	10
	2	Custom Adapter Bushings	10
	1	Small Stud Anode	5
Symbol	Qty Ea	Description	Total

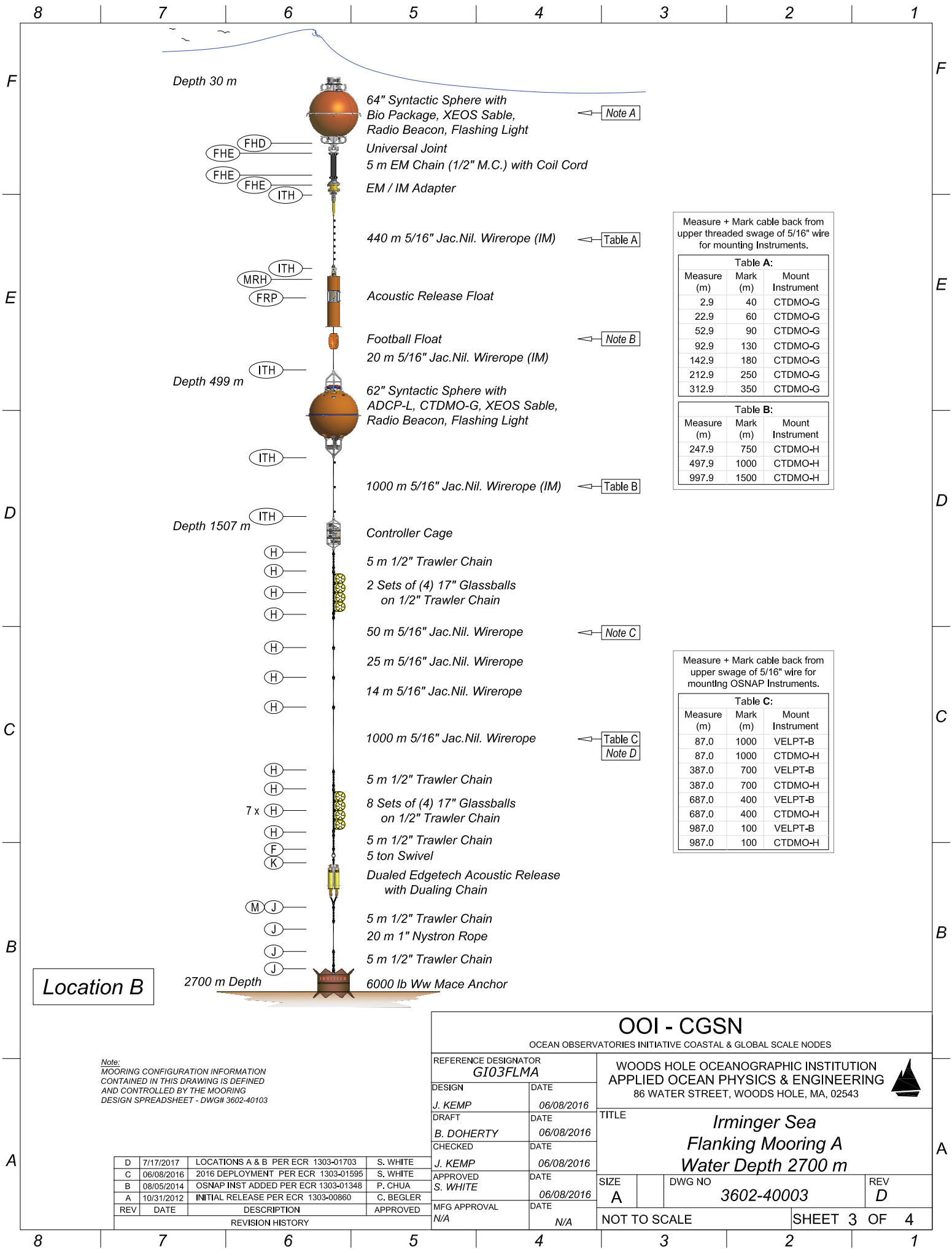
MID-WATER RELEASE HARDWARE Type 316 SST, Designation and Requirement			
(MRH) (1) Required	1	3/4"-10 x 5.5" Hex Head Bolt	1
	1	1/2" Lock Washer	1
	2	1/2" Hex Nut	2
	1	Small Stud Anode	1
Symbol	Qty Ea	Description	Total

MID-WATER RELEASE HARDWARE Type 316 SST, Designation and Requirement			
(FRP) (1) Required	1	Float Release Centering Pin	1
	2	1/4" x 1-1/2" OD Oversized FW	2
	2	1/4"-20 x 0.5" Hex Head Bolt	2
	2	1/4" Lock Washer	2
Symbol	Qty Ea	Description	Total

Location A

Note:
MOORING CONFIGURATION INFORMATION
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DESIGN SPREADSHEET - DWG# 3602-40103

SIZE A	DWG NO 3602-40003	REV D
NOT TO SCALE		SHEET 2 OF 4



Note:
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AND CONTROLLED BY THE MOORING
DESIGN SPREADSHEET - DWG# 3602-40103

REV	DATE	DESCRIPTION	APPROVED
D	7/17/2017	LOCATIONS A & B PER ECR 1303-01703	S. WHITE
C	06/08/2016	2016 DEPLOYMENT PER ECR 1303-01595	S. WHITE
B	08/05/2014	OSNAP INST ADDED PER ECR 1303-01348	P. CHUA
A	10/31/2012	INITIAL RELEASE PER ECR 1303-00860	C. BEGLER

OOI - CGSN

OCEAN OBSERVATORIES INITIATIVE COASTAL & GLOBAL SCALE NODES

REFERENCE DESIGNATOR
GI03FLMA

DESIGN
J. KEMP

DRAFT
B. DOHERTY

CHECKED
J. KEMP

APPROVED
S. WHITE

MFG APPROVAL
N/A

DATE
06/08/2016

DATE
06/08/2016

DATE
06/08/2016

DATE
06/08/2016

DATE
06/08/2016

DATE
N/A

WOODS HOLE OCEANOGRAPHIC INSTITUTION
APPLIED OCEAN PHYSICS & ENGINEERING
86 WATER STREET, WOODS HOLE, MA, 02543

TITLE
Irminger Sea
Flanking Mooring A
Water Depth 2700 m

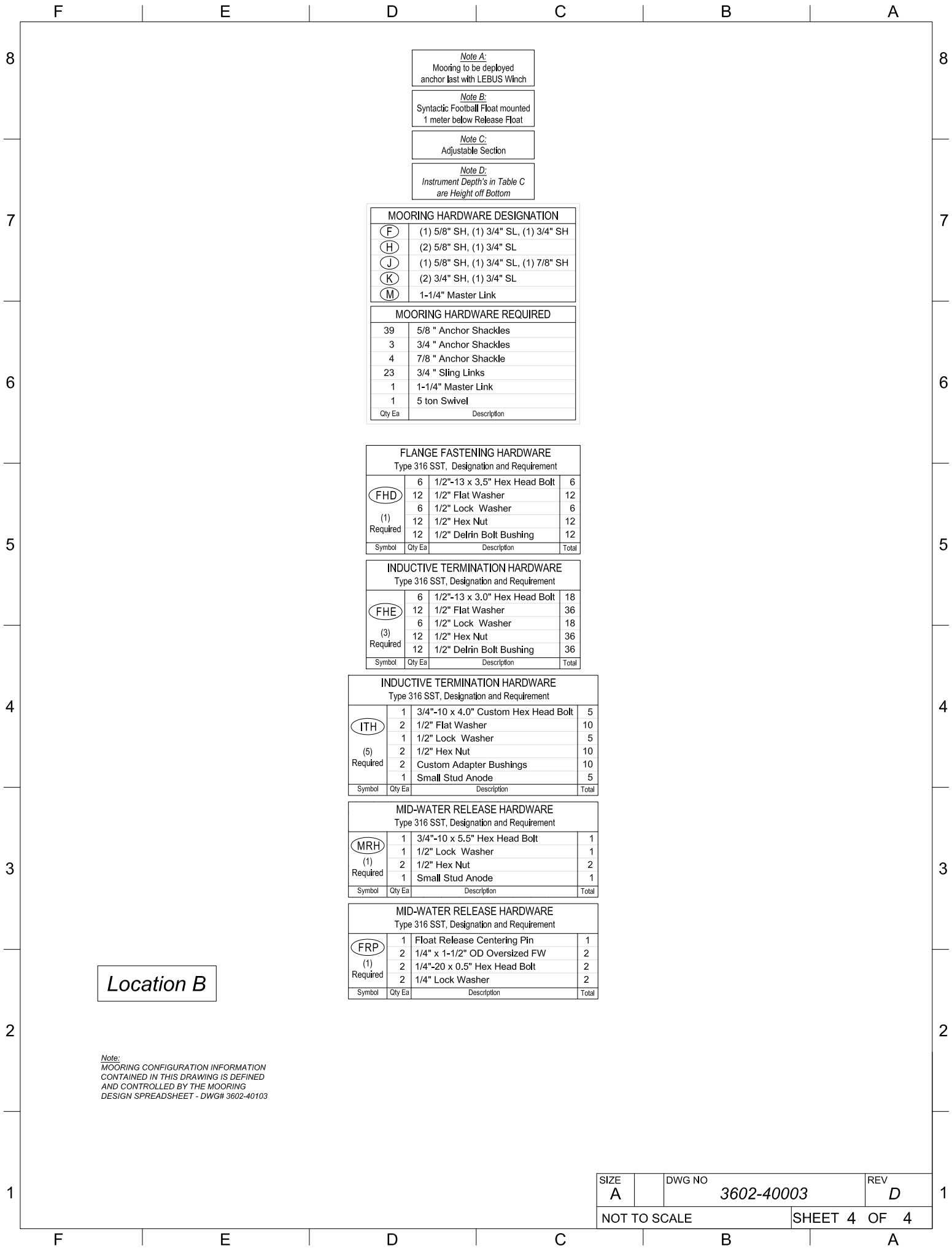
SIZE
A

DWG NO
3602-40003

REV
D

NOT TO SCALE

SHEET 3 OF 4



Note A:
Mooring to be deployed
anchor last with LEBUS Winch

Note B:
Syntactic Football Float mounted
1 meter below Release Float

Note C:
Adjustable Section

Note D:
Instrument Depth's in Table C
are Height off Bottom

MOORING HARDWARE DESIGNATION	
(F)	(1) 5/8" SH, (1) 3/4" SL, (1) 3/4" SH
(H)	(2) 5/8" SH, (1) 3/4" SL
(J)	(1) 5/8" SH, (1) 3/4" SL, (1) 7/8" SH
(K)	(2) 3/4" SH, (1) 3/4" SL
(M)	1-1/4" Master Link

MOORING HARDWARE REQUIRED	
39	5/8 " Anchor Shackles
3	3/4 " Anchor Shackles
4	7/8 " Anchor Shackle
23	3/4 " Sling Links
1	1-1/4" Master Link
1	5 ton Swivel
Qty Ea	Description

FLANGE FASTENING HARDWARE			
Type 316 SST, Designation and Requirement			
(FHD) (1) Required	6	1/2"-13 x 3.5" Hex Head Bolt	6
	12	1/2" Flat Washer	12
	6	1/2" Lock Washer	6
	12	1/2" Hex Nut	12
	12	1/2" Delrin Bolt Bushing	12
Symbol	Qty Ea	Description	Total

INDUCTIVE TERMINATION HARDWARE			
Type 316 SST, Designation and Requirement			
(FHE) (3) Required	6	1/2"-13 x 3.0" Hex Head Bolt	18
	12	1/2" Flat Washer	36
	6	1/2" Lock Washer	18
	12	1/2" Hex Nut	36
	12	1/2" Delrin Bolt Bushing	36
Symbol	Qty Ea	Description	Total

INDUCTIVE TERMINATION HARDWARE			
Type 316 SST, Designation and Requirement			
(ITH) (5) Required	1	3/4"-10 x 4.0" Custom Hex Head Bolt	5
	2	1/2" Flat Washer	10
	1	1/2" Lock Washer	5
	2	1/2" Hex Nut	10
	2	Custom Adapter Bushings	10
	1	Small Stud Anode	5
Symbol	Qty Ea	Description	Total

MID-WATER RELEASE HARDWARE			
Type 316 SST, Designation and Requirement			
(MRH) (1) Required	1	3/4"-10 x 5.5" Hex Head Bolt	1
	1	1/2" Lock Washer	1
	2	1/2" Hex Nut	2
	1	Small Stud Anode	1
Symbol	Qty Ea	Description	Total

MID-WATER RELEASE HARDWARE			
Type 316 SST, Designation and Requirement			
(FRP) (1) Required	1	Float Release Centering Pin	1
	2	1/4" x 1-1/2" OD Oversized FW	2
	2	1/4"-20 x 0.5" Hex Head Bolt	2
	2	1/4" Lock Washer	2
Symbol	Qty Ea	Description	Total

Location B

Note:
MOORING CONFIGURATION INFORMATION
CONTAINED IN THIS DRAWING IS DEFINED
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DESIGN SPREADSHEET - DWG# 3602-40103