



FLANGE FASTENING HARDWARE		
Grade 2 Titanium, Designation and Requirement		
Symbol	Qty Ea	Description
FHD	24	1/2" x 3.5" Hex Head Bolt
	48	1/2" Flat Washer
	24	1/2" Lock Washer
	48	1/2" Hex Nut
	48	1/2" Delrin Bolt Bushing
FHF	12	3/4" x 3.5" Hex Head Bolt
	24	3/4" Flat Washer
	12	3/4" Lock Washer
	24	3/4" Hex Nut
	24	3/4" Delrin Bolt Bushing

FLANGE FASTENING HARDWARE		
Type 316 SST, Designation and Requirement		
Symbol	Qty Ea	Description
FHE	24	1/2" Flat Washer
	24	1/2" Lock Washer
	48	1/2" Hex Nut
	24	1/2" Delrin Bolt Bushing
	24	Stud Anode (1/4" -20)
	24	1/4" Nylon Washer

**Note A**  
Hoses are not prestretched

**Note B**  
Anchor Recovery Line Pack contains 450 meters of 5/8" Spectra Blue.

*Note:*  
MOORING CONFIGURATION INFORMATION CONTAINED IN THIS DRAWING IS DEFINED AND CONTROLLED BY THE MOORING DESIGN SPREADSHEET - DWG# 3604-40101

REV	DATE	DESCRIPTION	APPROVED
B	07/13/2012	UPDATES PER ECR # 1303-00767	R. SISSON
A	11/02/2009	INITIAL RELEASE PER ECR# 1303-00024	R. SISSON

OOI - CGSN				
OCEAN OBSERVATORIES INITIATIVE COASTAL & GLOBAL SCALE NODES				
REFERENCE DESIGNATOR <b>CP01CNSM</b>		WOODS HOLE OCEANOGRAPHIC INSTITUTION APPLIED OCEAN PHYSICS & ENGINEERING 86 WATER STREET, WOODS HOLE, MA, 02543		
DESIGN <b>JOHN KEMP</b>	DATE 07/09/2012	TITLE <b>Pioneer Central Coastal Surface Mooring Water Depth 133 m</b>		
DRAFT <b>B. DOHERTY</b>	DATE 07/09/2012			
CHECKED <b>J. KEMP</b>	DATE 07/09/2012			
APPROVED <b>R. SISSON</b>	DATE 07/09/2012			
MFG APPROVAL N/A	DATE N/A	SIZE <b>A</b>	DWG NO <b>3604-40001</b>	REV <b>B</b>
NOT TO SCALE		SHEET 1 OF 1		