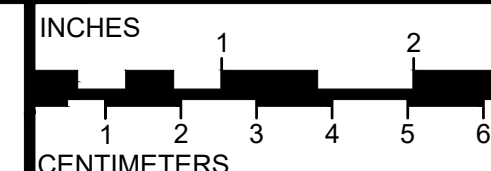
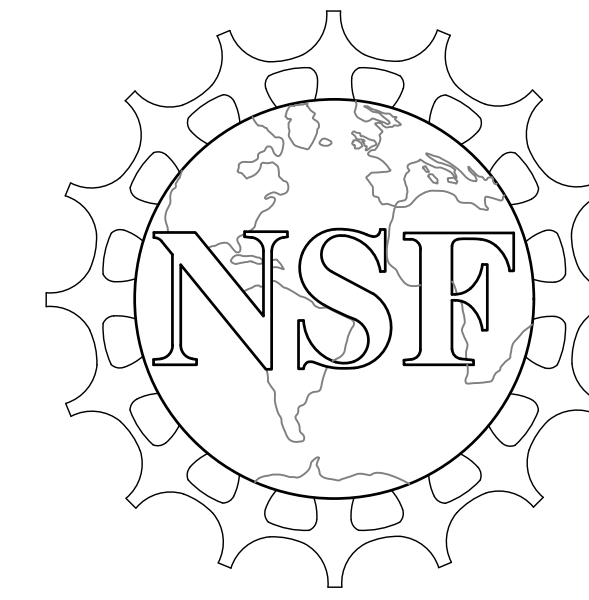


McMURDO STATION

BUILDING 115 - ICE PIER

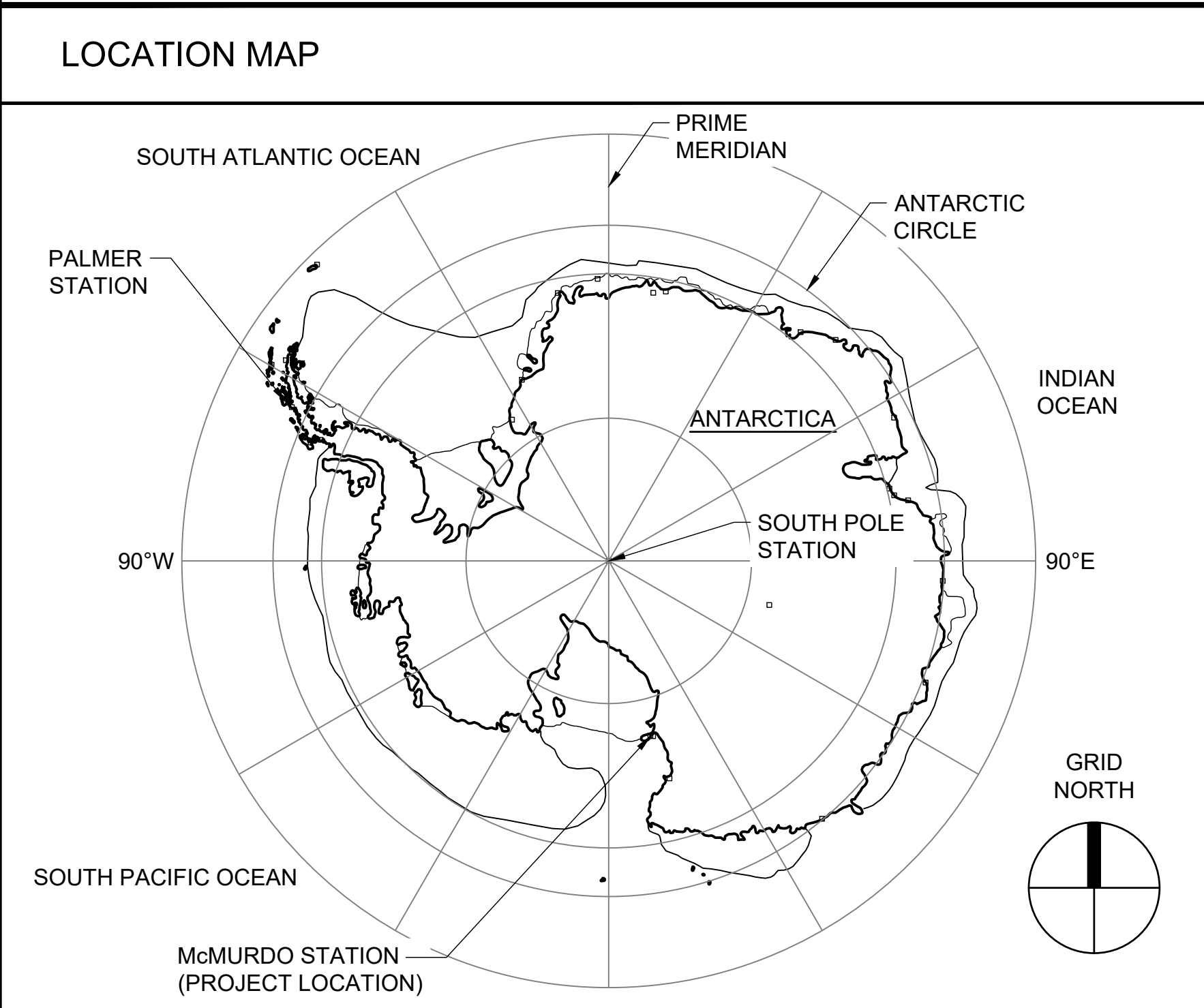
2020-2021 VESSEL MOORING DIAGRAM

APPROVED FOR CONSTRUCTION

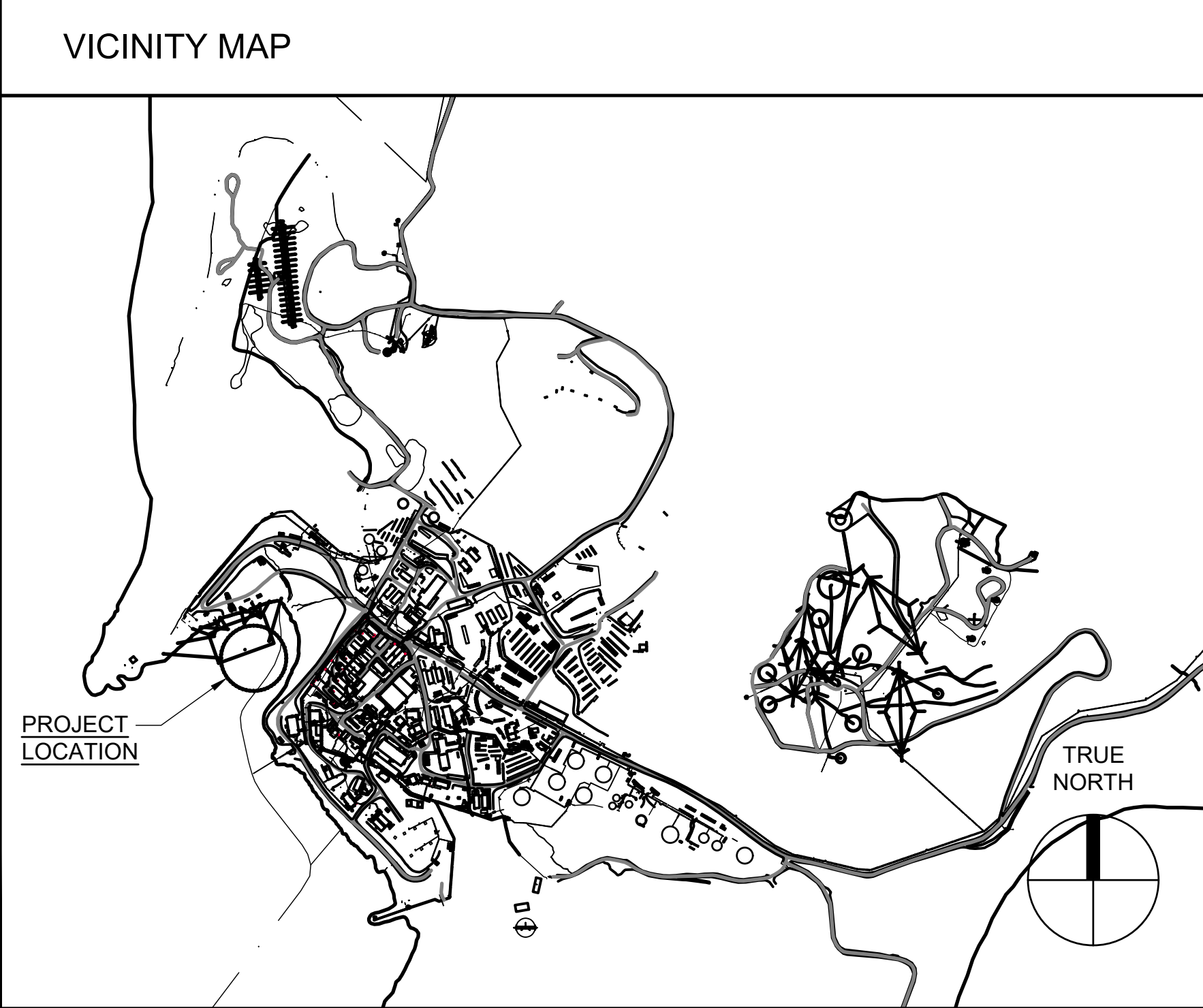


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CONTRACT OPP. NSFDACS1219442

REV.	DATE	DESCRIPTION	DFTG.	APPD.
0	12/09/2021	APPROVED FOR CONSTRUCTION	RV	RJT



SHEET NO	REVISION	SHEET TITLE
GENERAL		
G-001	0	COVER SHEET AND DRAWING INDEX
CIVIL		
C-101	0	ICE PIER MOORING PLAN
C-102	0	MORRING PLAN MV OCEAN GIANT
C-103	0	MORRING PLAN MAERSK PEARY
C-104	0	MORRING PLAN USCGC POLAR STAR
C-105	0	MORRING PLAN AOTEAROA



ASC ENGINEERING REVIEW		
APPROVALS	NAMES	SIGNATURES
ARCHITECT	JAMES HILDEN	
ELECTRICAL ENGINEER	FLOYD DIAL/PATRICK DALEY	
FIRE PROTECTION ENGINEER	CRAIG BROWN	
MECHANICAL ENGINEER	MARK BARTRAM	
STRUCTURAL ENGINEER	RADU VULCAN	
QUALITY ASSURANCE	PETER MCGOUGH	
ENVIRONMENTAL	DANIEL KEADY	
SAFETY	RYAN EMOND	
FACILITIES MANAGER	JACK CORBIN	
PROJECT MANAGER		
IT&C MANAGER	JOE HARRIGAN	
OPERATIONS MANAGER	JEFF HUFFMAN	
ENGINEERING MANAGER	J.K. ROGERS	

* THESE ARE ELECTRONIC SIGNATURES, DATE STAMPS ON FILE.

OWNER

NATIONAL SCIENCE FOUNDATION
OFFICE OF POLAR PROGRAMS
WASHINGTON, D.C.

PROJECT INFORMATION

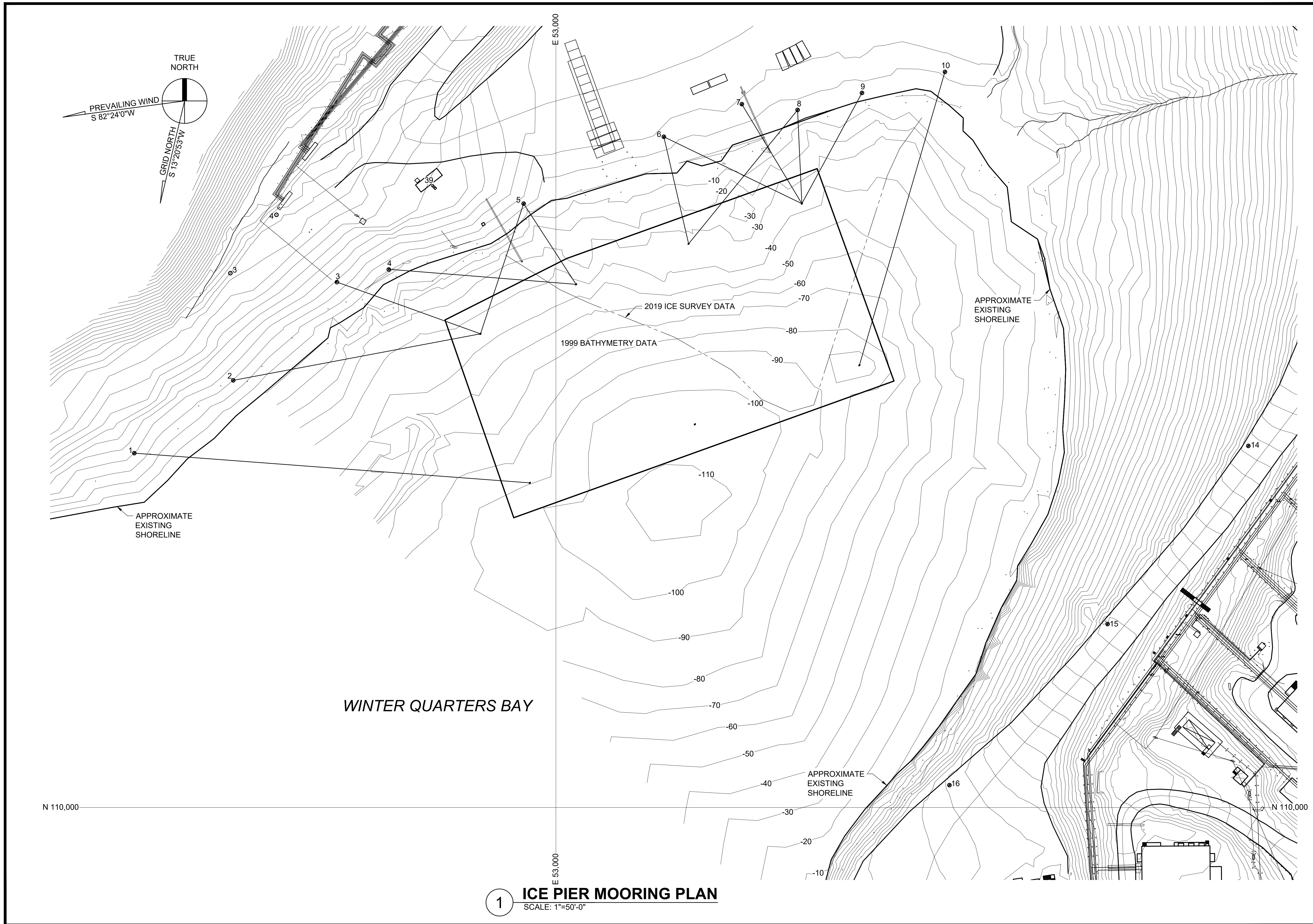
STANDARD CODE REFERENCES:
2018 USAP BUILDING CODE (USAP-BC)
2018 USAP FIRE CODE (USAP-FC)
2018 USAP EXISTING BUILDING CODE (USAP-EBC)
2018 ICC INTERNATIONAL FUEL GAS CODE® (IFGC)
2018 ICC INTERNATIONAL ENERGY CONSERVATION CODE® (IECC)
2018 ICC INTERNATIONAL PLUMBING CODE® (IPC)
2018 ICC INTERNATIONAL MECHANICAL CODE® (IMC)
2017 NFPA 70 - NATIONAL ELECTRICAL CODE® (NEC 2017)
2017 NATIONAL ELECTRICAL SAFETY CODE® (NEC) IEEE C2-2017

McMURDO STATION
BUILDING 115 - ICE PIER
2020-2021 VESSEL MOORING DIAGRAM
GENERAL

7400 South Tucson Way
Centennial, Colorado
80112-3938 USA
303-790-8606
800-688-8606

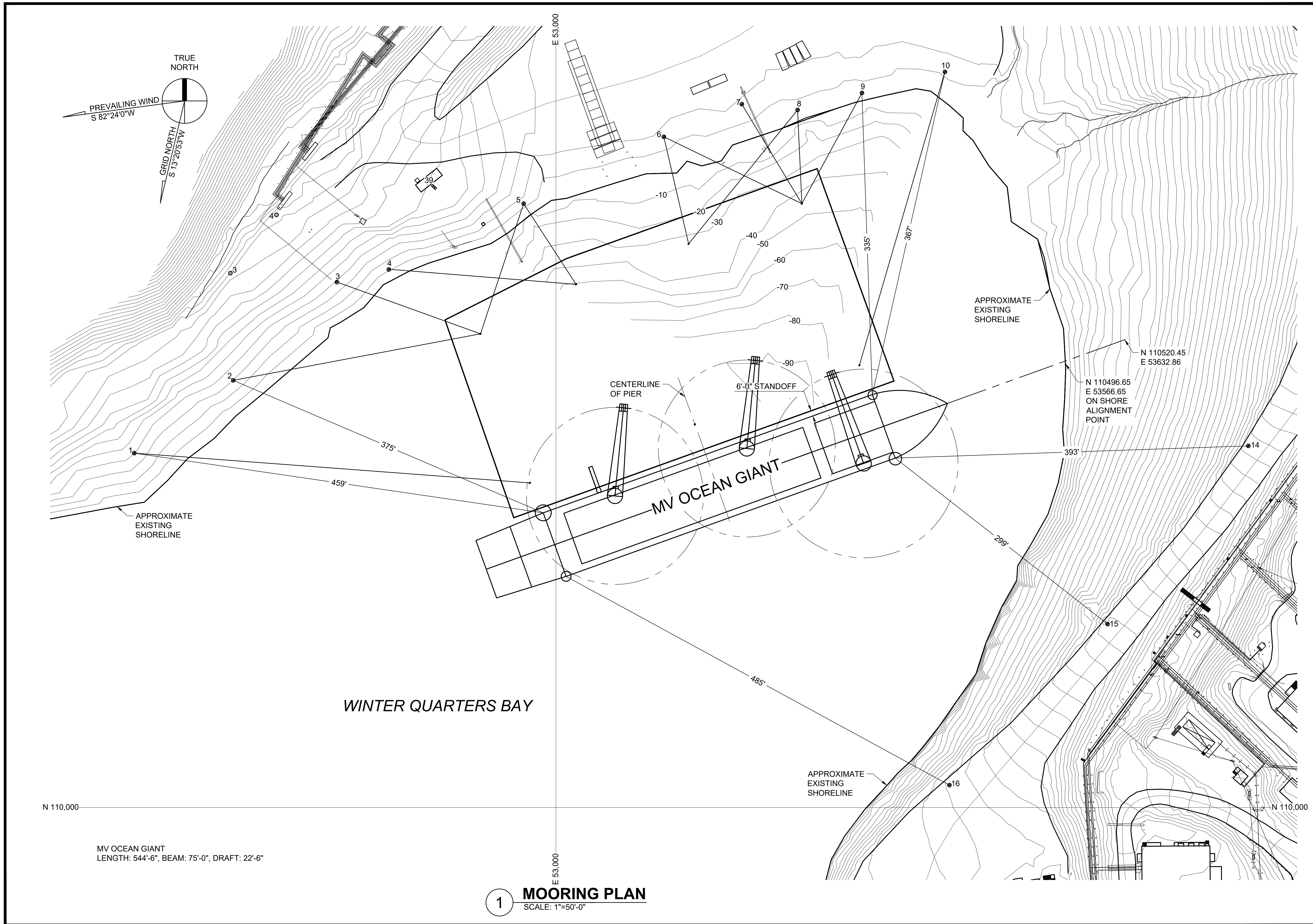
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FILE NAME:
121201MCM115G-001-R0
DESIGNED BY: R.VULCAN
DRAWN BY: R.TURNER
DATE CREATED: 12/08/2021
SHEET TITLE:
COVER SHEET
AND DRAWING INDEX
SHEET NUMBER:
G-001

D
C
B
A



1 ICE PIER MOORING PLAN
SCALE: 1"=50'-0"

<p>INCHES 1 2 3 4 5 6</p> <p>CENTIMETERS 1 2 3 4 5 6</p>											
<p>NATIONAL SCIENCE FOUNDATION OFFICE OF POLAR PROGRAMS WASHINGTON, D.C. USA CONTRACT OPP. NSFDACS1219442</p>											
<p>REVISION LOG</p> <table border="1"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>DFTG.</th> <th>APPD.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>12/09/2021</td> <td>APPROVED FOR CONSTRUCTION</td> <td>RV</td> <td>RJT</td> </tr> </tbody> </table>		REV.	DATE	DESCRIPTION	DFTG.	APPD.	0	12/09/2021	APPROVED FOR CONSTRUCTION	RV	RJT
REV.	DATE	DESCRIPTION	DFTG.	APPD.							
0	12/09/2021	APPROVED FOR CONSTRUCTION	RV	RJT							
<p>McMURDO STATION BUILDING 115 - ICE PIER 2020-2021 VESSEL MOORING DIAGRAM SURVEY</p> <p>7400 South Tucson Way Centennial, Colorado 80112-3938 USA 303-790-8606 800-688-8606</p>											
<p>PROJECT NUMBER: 121201MCM115C-101-R0</p> <p>FILE NAME: 121201MCM115C-101-R0</p> <p>DESIGNED BY: R.VULCAN</p> <p>DRAWN BY: R.TURNER</p> <p>DATE CREATED: 12/02/2021</p> <p>SHEET TITLE: ICE PIER MOORING PLAN</p>											
<p>SHEET NUMBER: C-101</p>											



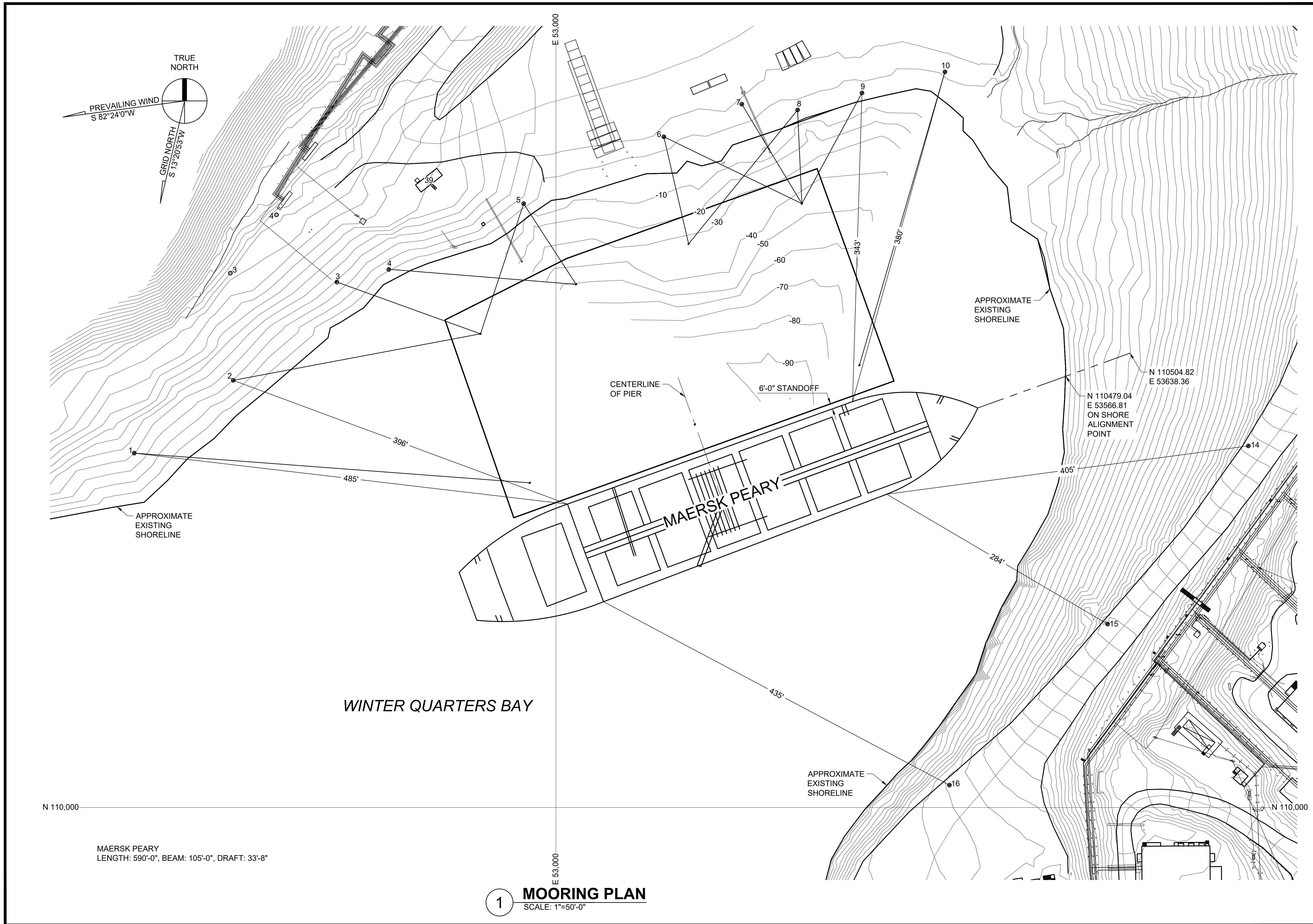
N 110,000

MV OCEAN GIANT
LENGTH: 544'-6", BEAM: 75'-0", DRAFT: 22'-6"

1 MOORING PLAN
SCALE: 1"=50'-0"

INCHES 1 2 CENTIMETERS 1 2 3 4 5 6				
NATIONAL SCIENCE FOUNDATION OFFICE OF POLAR PROGRAMS WASHINGTON, D.C. USA CONTRACT OPP. NSFDACS1219442 				
REVISION LOG				
REV.	DATE	DESCRIPTION	DFTG.	APPD.
0	12/09/2021	APPROVED FOR CONSTRUCTION	RV	RJT
PROJECT NUMBER: 121201MCM115C-102-R0				
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DESIGNED BY: R.VULCAN				
DRAWN BY: R.TURNER				
DATE CREATED: 12/02/2021				
SHEET TITLE: MORNING PLAN MV OCEAN GIANT				
SHEET NUMBER: C-102				

1 2 3 4 5 6 7 8



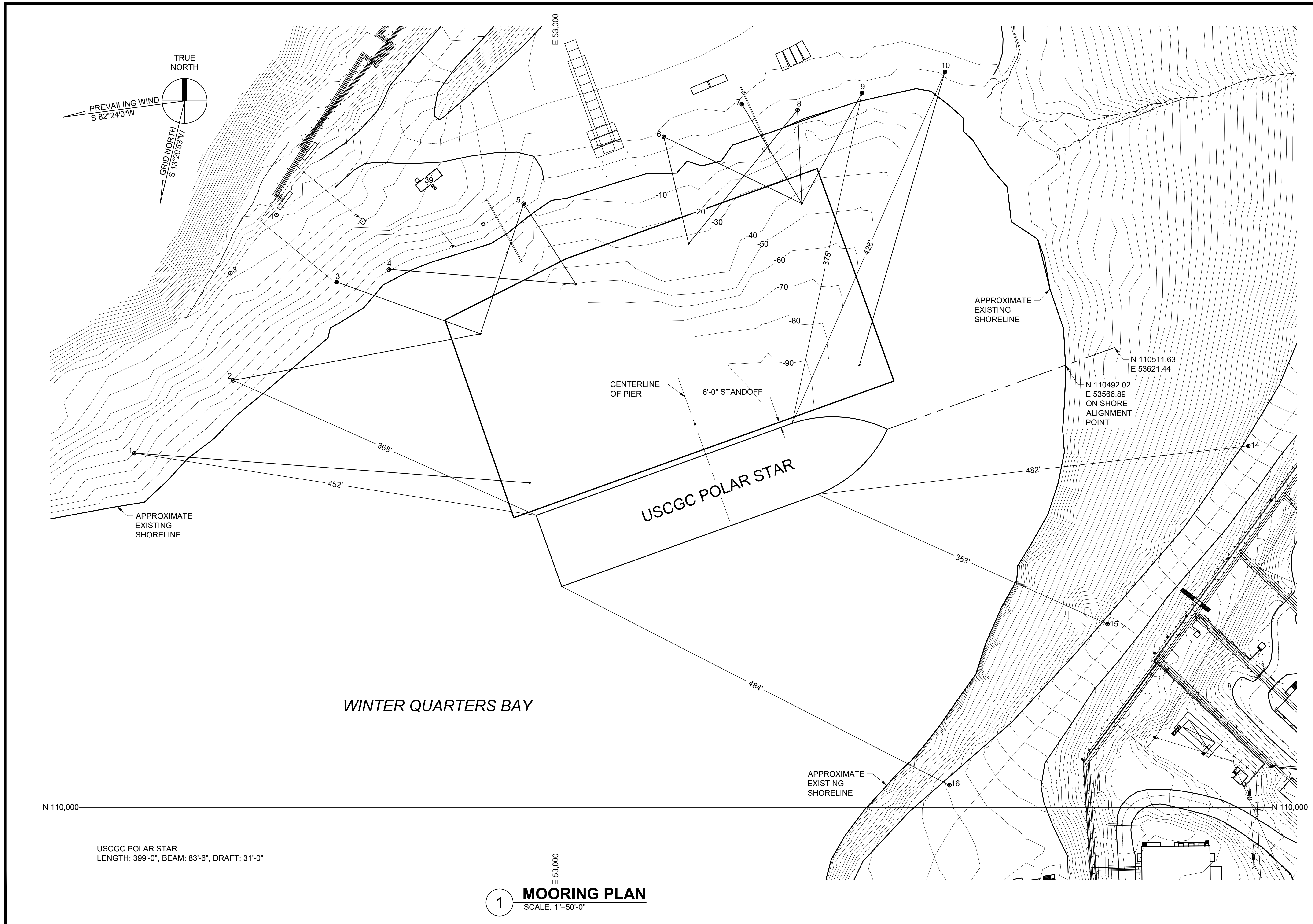
N 110,000

MAERSK PEARY
LENGTH: 590'-0", BEAM: 105'-0", DRAFT: 33'-8"

1 MOORING PLAN
SCALE: 1"=50'-0"

INCHES 				
CENTIMETERS 				
NATIONAL SCIENCE FOUNDATION OFFICE OF POLAR PROGRAMS WASHINGTON, D.C. USA CONTRACT OPP. NSFDACS1219442 				
REVISION LOG				
REV.	DATE	DESCRIPTION	DFTG.	APPD.
0	12/09/2021	APPROVED FOR CONSTRUCTION	RV	RJT
PROJECT NUMBER: 121201MCM115C-103-R0				
FILE NAME: 121201MCM115C-103-R0				
DESIGNED BY: R.VULCAN				
DRAWN BY: R.TURNER				
DATE CREATED: 12/02/2021				
SHEET TITLE: MORNING PLAN MAERSK PEARY				
SHEET NUMBER: C-103				

1 2 3 4 5 6 7 8



INCHES
1 2
CENTIMETERS
3 4 5 6

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CONTRACT OPP. NSFDACS1219442

NSF

REVISION LOG

REV.	DATE	DESCRIPTION	DFTG.	APPD.
0	12/09/2021	APPROVED FOR CONSTRUCTION	RV	RJT

PROJECT NUMBER:
FILE NAME:
DESIGNED BY:
DRAWN BY:
DATE CREATED:
SHEET TITLE:
SHEET NUMBER:

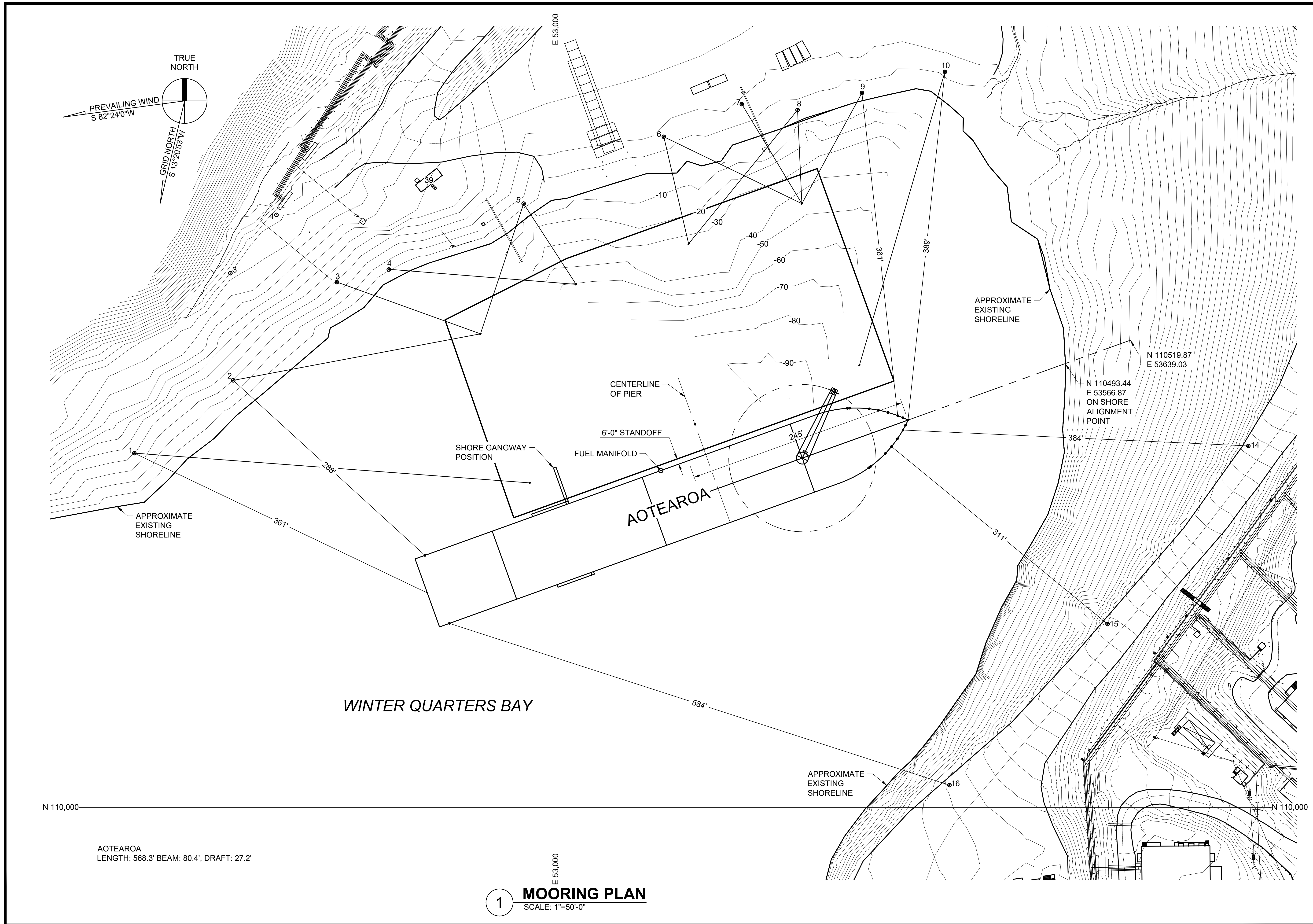
McMURDO STATION
BUILDING 115 - ICE PIER
2020-2021 VESSEL MOORING DIAGRAM SURVEY

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Centennial, Colorado
80112-3938 USA
303-790-8606
800-688-8606

ASCO
ANTARCTIC SUPPORT CONTRACT

121201MCM115C-104-R0
R.VULCAN
R.TURNER
12/02/2021
MOORING PLAN
USCGC POLAR STAR
C-104

1 MOORING PLAN
SCALE: 1"=50'-0"



AOTEAROA
 LENGTH: 568.3' BEAM: 80.4', DRAFT: 27.2'

1 MOORING PLAN
 SCALE: 1"=50'-0"

INCHES 				
CENTIMETERS 				
NATIONAL SCIENCE FOUNDATION OFFICE OF POLAR PROGRAMS WASHINGTON, D.C. USA CONTRACT OPP. NSFDACS1219442 				
REVISION LOG				
REV.	DATE	DESCRIPTION	DFTG.	APPD.
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PROJECT NUMBER: 121201MCM115C-105-R0				
FILE NAME: 121201MCM115C-105-R0				
DESIGNED BY: R.VULCAN				
DRAWN BY: R.TURNER				
DATE CREATED: 12/02/2021				
SHEET TITLE: MOORING PLAN AOTEAROA				
SHEET NUMBER: C-105				