



DEPARTMENT OF
ENVIRONMENTAL PROGRAMS

Worcester County

GOVERNMENT CENTER
ONE WEST MARKET STREET, ROOM 1306
SNOW HILL, MARYLAND 21863
TEL: 410.632.1220 / FAX: 410.632.2012

LAND PRESERVATION PROGRAM
STORMWATER MANAGEMENT
SEDIMENT AND EROSION CONTROL
SHORELINE CONSTRUCTION
AGRICULTURAL PRESERVATION
ADVISORY BOARD

WELL & SEPTIC
WATER & SEWER PLANNING
PLUMBING & GAS
CRITICAL AREAS/FORESTRY
COMMUNITY HYGIENE

September 12, 2023

This notification is to advise you that the Department has received and is presently reviewing the following request for a shoreline construction project:

Brian Jack – Request No. 2023-083 – Request construct a 6' x 22' perpendicular pier with a 8'x25' half - tee (L) 200 sq. ft. at end of pier with five mooring piles. Request to install two boat lifts. Maximum of 30' channelward. This project is located at 9550 Croppers Island Rd, Newark, also known as Tax Map 41, Parcel 55. Fourth Tax District of Worcester County, Maryland.

The Department in considering this application will make specific findings of fact with regard to the environmental impact, navigational impact, recreational potential, commercial benefit to Worcester County, impact of the proposed construction upon the surrounding neighborhood and upon property values therein, and any other pertinent issues. Approval from the Department does not guarantee approval from any other applicable regulatory agencies.

If you have an interest which may be adversely affected by the issuance of this permit, you are requested to notify this Department in writing within fifteen (15) calendar days which will end on September 27, 2023.

Sincerely,

Brandy Whitlock
Environmental Inspector

cc: Interested Parties
David Bradford, Deputy Director
File



WORCESTER COUNTY SHORELINE CONSTRUCTION APPLICATION

Request No.: 2023-083 Submission Date: 9-12-23

Major Construction (\$300.00) Minor Construction (\$150.00)

Written Description of Proposed Improvement (include channelward distance): Construct a 6' x 22' perpendicular pier with 8' x 25' half-tee (L) (200 sq ft) at end of pier with (5) mooring piles. 2 bout lifts. Max Channel ward distance 30'

Property Description: Map: 41 Parcel: 55 Lot: Section: Block: Tax District: 04 Street Address: 9550 Croppers Island Rd. Newark MD 21841

Owner: Brian Jack Phone No. 410 251-3832 Mailing Address: 9550 Croppers Island Rd. Newark MD 21841 E-Mail Address: jackbs12@hotmail.com

Contractor: Same Phone No.: Mailing Address: E-Mail Address:

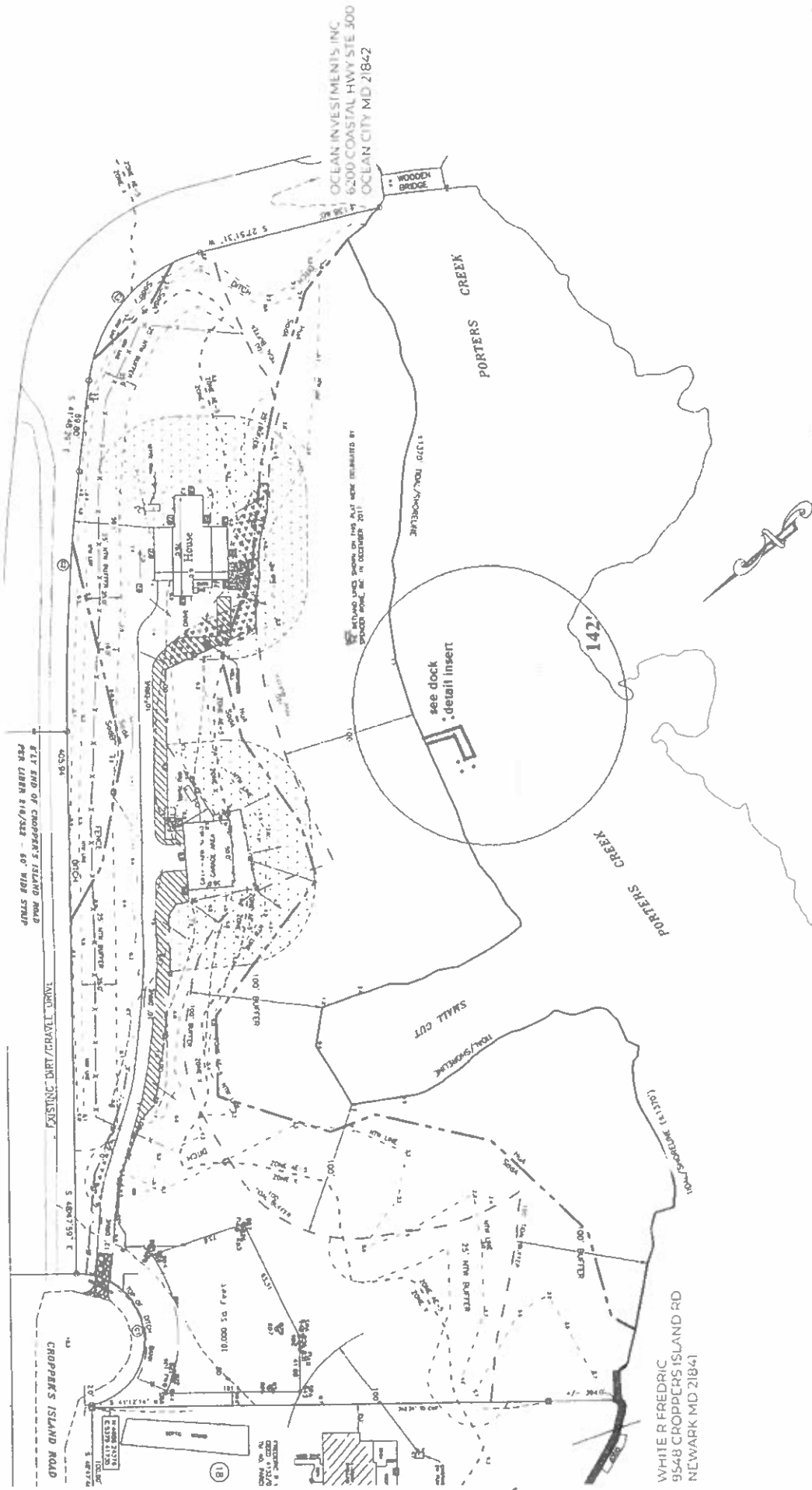
Recorded Adjacent Property Owner: Fredric White Property Address: 9548 Croppers Island Rd. Newark MD 21841 Tax Map: 40 Parcel: 188 Lot: 18 Section: Block:

Recorded Adjacent Property Owner: Ocean Investments Inc. Robert Ewell Property Address: 6200 Coastal Hwy STE 300 Ocean City MD 21842 9552 Croppers Is Newark, MD 21841 Tax Map: 5040 Parcel: 31 98 Lot: Section: Block:

As the applicant, I attest that the information presented on this application, site plan and any written documentation attached hereto is known to be accurate. I understand that the proposed shoreline improvement will be constructed to meet or exceed minimum design standards adopted by the Department. Any deviation from these standards will require construction plans sealed by an engineer registered in the State of Maryland. I acknowledge that any falsification of information presented may result in revocation of this approval and of the subsequent Shoreline Construction Permit.

Owner/Applicant's Signature Date 9/5/2023

DEPT. USE ONLY: Notification Distribution Date: 9-12-23 Public Comment Deadline: 9-27-23 (15 calendar days) Department Approval Date: Expiration:



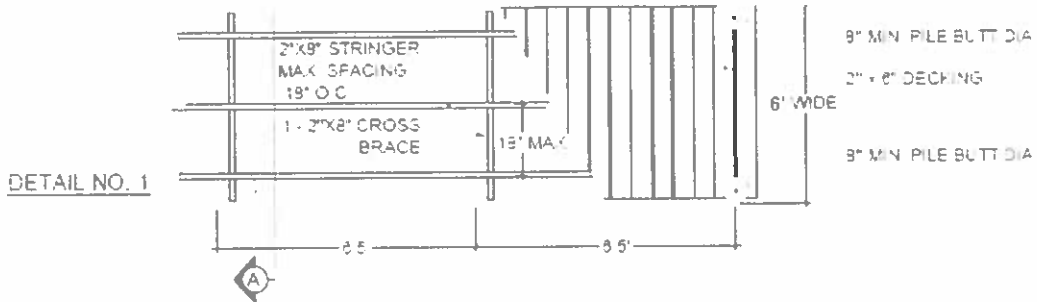
WHITE R FREDRIC
 9548 CROPPERS ISLAND RD
 NEWARK MD 21841

Notes

1. There are no known SAV beds in the area.
2. The soundings were taken 8/26/2023 @ 4pm MLW
3. Nearest shoreline is 142'
4. Max channelward distance is 30'
5. Channel does not follow shoreline as it does further up the creek. Most boats travel at a distance of 50-60' from shoreline in this area because of overhanging trees and branches in the water.

Scope

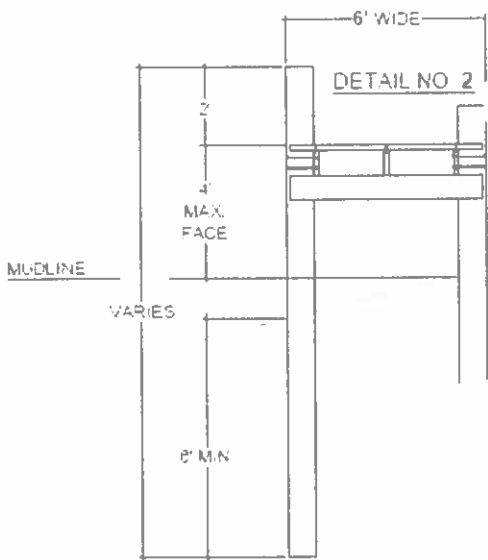
Construct a 6' x 22' perpendicular pier with a 8' x25' half-tee (L) (200 sq-ft) at end of pier with (5) mooring piles. 2 boat lifts. Max Channel ward distance 30'.



DETAIL NO. 1



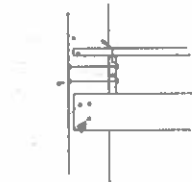
- 1 - 2' x 8' CROSS BRACE
- 2' x 8' DECKING
- 2' x 9' STRINGER
- 18D GALV. NAILS OR
- MIN. 3" GALV. SCREWS
- 1/2" GALV. THRU BOLTS
- WITH 2" DIA. GALV. OGEE
- WASHERS TYP
- 9" MIN. PILE BUTT DIA
- ALL HARDWARE FACING INTO
- ANY SLIP AREA SHALL BE
- COUNTER SUNK TO AVOID ANY
- DAMAGE TO MOORED VESSELS



PIER SECTION A-A'

DETAIL NO. 2

- 18D GALV. NAILS OR
- MIN. 3" GALV. SCREWS
- 9" MIN. PILE BUTT DIA.
- 2' x 8' DECKING
- 2' x 9' STRINGER
- 1/2" GALV. THRU BOLTS
- WITH 2" DIA. GALV.
- OGEE WASHERS TYP
- 2' x 8' BRACE
- 1/2" GALV. THRU
- BOLTS TYP
- 2" DIA. GALV.
- OGEE WASHERS



NOTE:

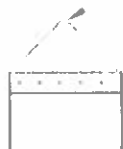
WHERE STANDARD CALLS FOR PAIR OF 1/2" THRU BOLTS, A SINGLE 3/4" BOLT MAY BE SUBSTITUTED IN AREAS OF HIGH WAVE ACTION. A SECOND 2' x 8" CROSS BRACE IS RECOMMENDED.

3" MIN. FILE BUTT DIA

SEE OPTIONAL FILE CAPPING DETAIL THIS SHEET
GALVANIZED SCREWS OR 16D GALVANIZED NAILS
2" x 8" DECKING
CUP SIDE DOWN

3" MIN. FILE BUTT DIA

OPTIONAL FILE CAPPING WITH PLASTIC CONE SHAPE FILE CAPS FASTENED WITH GALVANIZED HARDWARE OR OPTIONAL COPPER CAP



1 - 2" x 8" CROSS BRACE TYP
2" DIA GALV Ogee WASHERS

1/2" GALV THRU BOLTS TYP

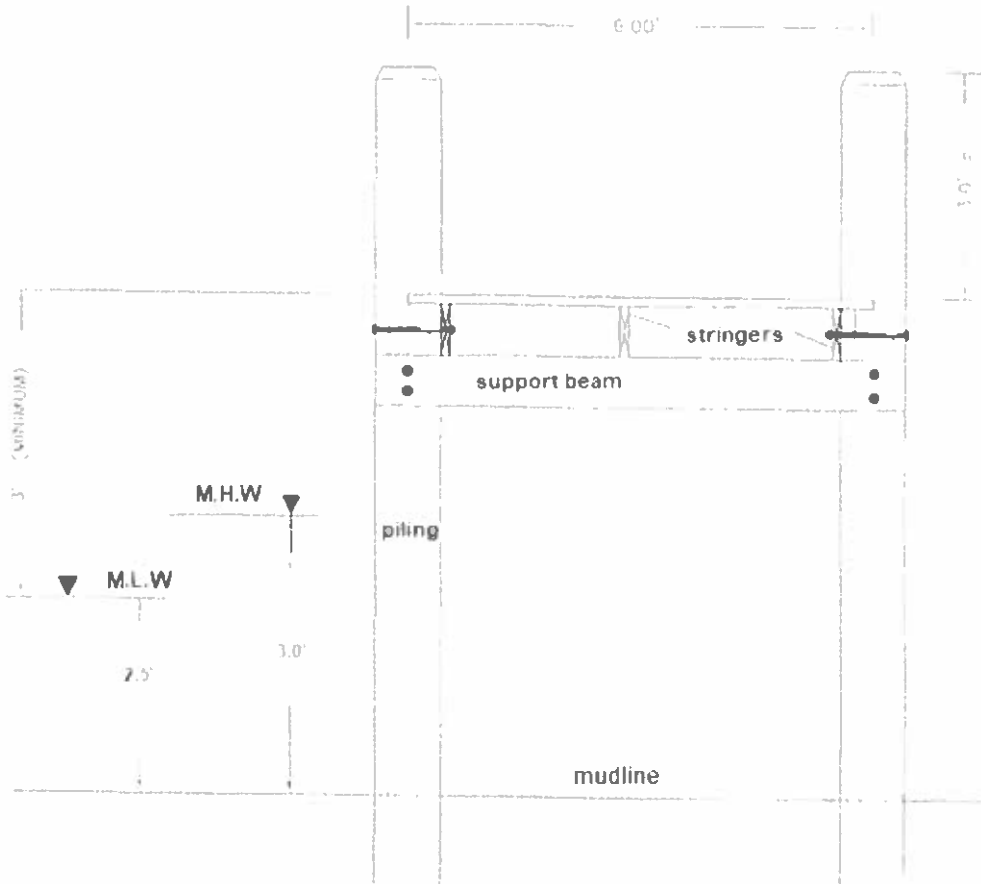
2" x 8" STRINGER
MAX SPACING
18" O C

WHERE STANDARD CALLS FOR PAIR OF 1/2" THRU BOLTS, A SINGLE 3/4" BOLT MAY BE SUBSTITUTED. IN AREAS OF HIGH WAVE ACTION, A SECOND 2" x 8" CROSS BRACE IS RECOMMENDED

PIER DETAIL
SCALE NONE

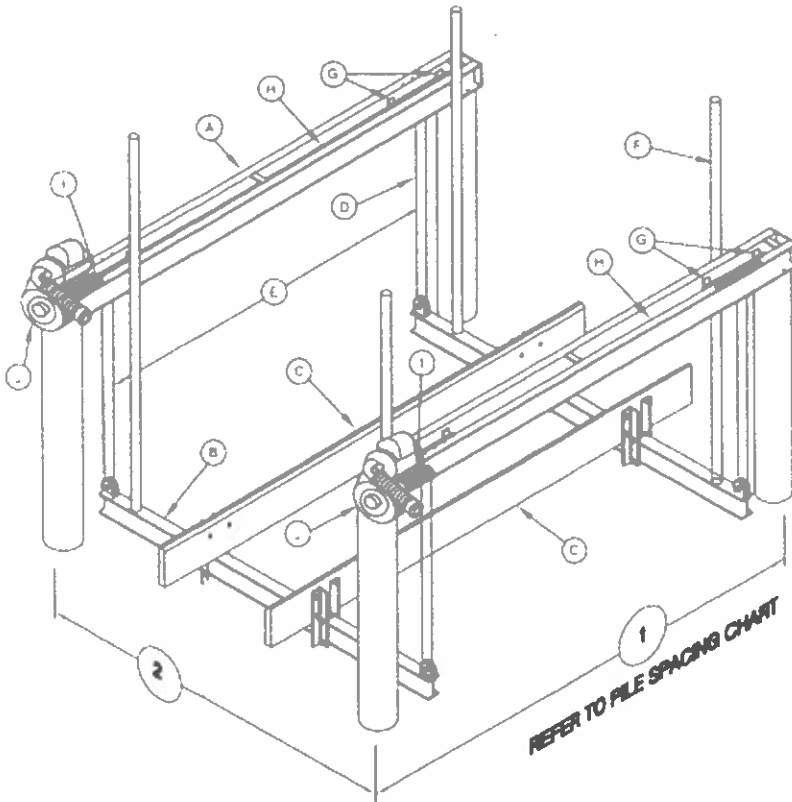
SPECIFICATIONS

- 1 WOOD SHALL BE TREATED NO. 2 SOUTHERN YELLOW PINE WITH A MINIMUM TENSILE STRENGTH OF 1200 PSI. PILES
- 2 BRACING AND STRINGERS SHALL BE TREATED WITH CHROMATED COPPER ARSENATE (CCA) AT 1.5# PER CU FT. AND PILING'S TREATED AT 2# PER CU FT.
- 3 DECKING MATERIAL SHALL BE SALT PENTA TREATED MINIMUM 4% RETENTION OR EQUAL
- 4 FASTENERS (SCREWS, BOLTS, WASHERS AND NAILS) SHALL BE NEW MARINE GRADE HOT DIPPED GALVANIZED AFTER WITHOUT DEFORMATION
- 5 ALL HARDWARE FACING INTO ANY SLIP AREA SHALL BE COUNTERSUNK TO AVOID ANY DAMAGE TO MOORED VESSELS



Pier Detail at End- No Scale

GOLDEN ENGINEERED 4 POST, 2 MOTOR SEA DRIVE BOAT LIFTS



PILE SPACING CHART
The boat center of gravity needs to be set in the center of the top beam

Lift Capacity Lb	1' Dimension Ft.	2' Dimension Ft.	Recommended Pile Diameters In
5,000	11	10	8
7,500	12	12	
10,000		12.5	
14,000	14	14	10
18,000			
20,000			
24,000	16	16	12
28,000			

STAINLESS STEEL PILING MOUNT BRACKET.
RECOMMENDED ATTACHMENT BASED ON BRACKET CONFIGURATION. VERIFY ADEQUACY BASED ON ACTUAL SITE CONDITIONS.
4-8Ø STAINLESS STEEL LAG SCREWS USED TO CONNECT THE BRACKETS TO THE PILING AND 8-Ø STAINLESS STEEL CARRIAGE BOLTS USED TO CONNECT THE BRACKETS TO THE LIFT CHANNELS.

NOTE: THIS STRUCTURE HAS BEEN DESIGNED FOR LOADS ASSOCIATED WITH AN ULTIMATE WIND SPEED OF 180 MPH EXPOSURE 'D' RISK CATEGORY I CALCULATED PER (FLORIDA BUILDING CODE 6th EDITION, 2017) ASCE SEI 7-10 AND ADM 2015. BOATS SHALL NOT BE STORED ON LIFTS DURING HIGH WIND EVENTS.

IN GENERAL PILING PENETRATION TO BE A MINIMUM OF 10' INTO THE SAND BOTTOM OR 5' INTO THE ROCK STRATA. SUB SURFACE CONDITIONS CAN VARY GREATLY. THE CONTRACTOR SHALL VERIFY ALL PILE CAPACITIES. ALL PILING TO BE 2 S.C.C.A. PRESSURE TREATED WOOD. ALL STRUCTURAL MEMBERS TO BE 6061 T6 ALUMINUM.



SUMMARY OF DESIGN FEATURES

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)		
LIFT CAPACITY Lbs	TOP BEAM CHANNEL 2 EACH INCHES	CRADLE I-BEAM 2 EACH INCHES	BUNK BOARDS (PT)	CABLE SIZE INCHES	CABLE SPREAD IN	GUIDE POST HGT	BRGS	DRIVE SHAFT	WINDER ØA	MOTOR HP VOLTAGE	INCHES OF LIFT PER MIN	RECCO/ PILING SIZES
5,000#	4 H x 15 2 W x 23 140" OAL	6 H x 19 4 W x 29 120" LGTH	2x80 1/4 HOUSH SAYAN CARPETED	4 - 5/16" 135 ST ST 1 PART	107.75	81"	10 2" H O EXTRUDED RECT. 16.4 LUM	1-15.16" ØA 2x 80 GALV PIPE SC-40 GALV PIPE	3 1/2" ØA SDN-60 ALUM PIPE 1/4" CABLE GROOVES	2 - 3/4 HP 120V/20A 240V/10A	35.70"	8" ØIA
7,500#	5 H x 15 2.25 W x 26 x 153" OAL	6 H x 19 4 W x 29 144" LGTH		116.75	2 - 1 HP 120V/28A 240V/14A							
10,000#	6 H x 17 2.5 W x 29 x 153" OAL	8 H x 23 5 W x 35 150" LGTH		127.75	2 - 3/4 HP 120V/20A 240V/10A							
14,000#	7 H x 17 2.75 W x 29 x 153" OAL	8 H x 25 5 W x 41 150" LGTH	Ø182 BOUNDR VIN CARPETED	4 - 5/16" 130 ST ST 2 PART	116.75	7"	10 2" H O EXTRUDED RECT. 16.4 LUM	1-15.16" ØA 2x 80 GALV PIPE SC-40 GALV PIPE	3 1/2" ØA SDN-60 ALUM PIPE 1/4" CABLE GROOVES	2 - 3/4 HP 120V/20A 240V/10A	19.35"	10" ØIA
18,000#	8 H x 19 3 W x 35 x 153" OAL	10 H x 25 5 W x 41 168" LGTH		127.75	2 - 1 HP 120V/28A 240V/14A							
20,000#	8 H x 25 3.75 W x 41 x 177" OAL	10 H x 25 5 W x 41 192" LGTH		4 - 5/16" 145 ST ST								



View to the East



View to the West