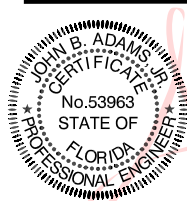


NOTE: 1.) "EJ" DENOTES EXPANSION JOINT (SEE DETAIL)
 2.) NEW TIER RODS @ 8'-6" O.C. UNLESS OTHERWISE NOTED.
 3.) CUT + MODIFY NEW SHEETS + EXTEND EXISTING PIPES THRU NEW WALL
 4.) CUT/MODIFY DOCK STRUCTURES AS NEEDED FOR NEW WALL INSTALLATION.

1 OVERALL SITE PLAN VIEW
 S1 1"=30'



Digitally signed by John B. Adams Jr., PE
 Date: 2026.02.27 12:01:07 -05'00'

Reuben Clarson
 CONSULTING
MARINE ENGINEERING

ASSESS, ADVISE, DESIGN
 (CERT. OF AUTH. NO. 9206)
 780 94TH AVENUE NORTH, SUITE 102, ST. PETERSBURG, FL 33702
 P: (727) 895-4717 F: (727) 578-9542
 WWW.REUBENCLARSONCONSULTING.COM

OWNER: CITY OF MADEIRA BEACH

CONTRACTOR:

DATE: 2-26-2026

SHEET NO.: S1
 TOTAL SHEETS: 4

DRAWN/CHECK BY: JH/JA

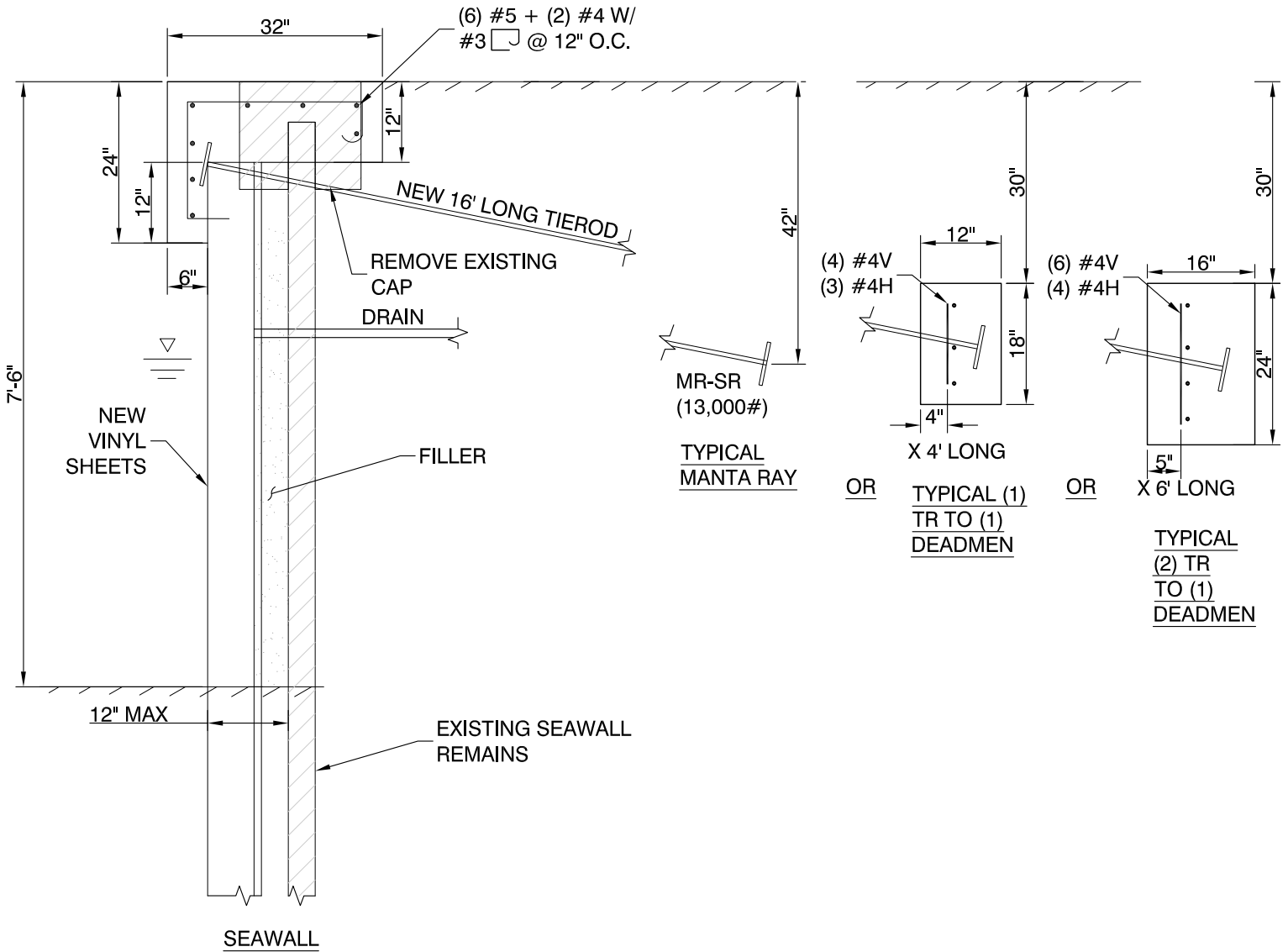
REVISIONS:

SCALE: N.T.S.

PROJ. NO. RR26-26MB091S

503 150TH AVE
 MADEIRA BEACH, FL

SEAWALL DESIGN

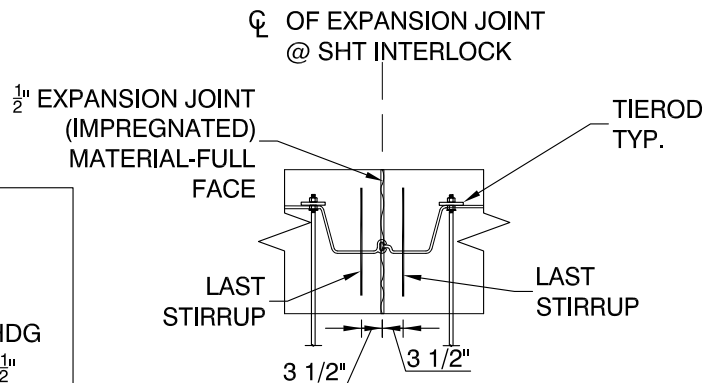


SEAWALL SECTION A VIEW

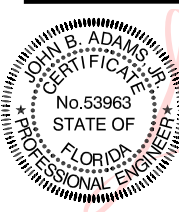
2
S2 1/2"=1'

NOTES:

- 1.) SHEETS-ESP 5.5, VANGUARD OR CL-9900 X 14' LONG.
- 2.) CONCRETE-5000 PSI AT 28 DAYS, FILLER 3500 PSI
- 3.) REBAR-GRADE 60, PLAIN, 3" CONCRETE COVER OR FIBERGLASS
- 4.) TIEBACKS-1"Ø X 16' LONG HDG, PVC ENCASED W/ (1) 6" X 6" X 1/2" HDG WASHERS & NUTS TO MR-SR MANTA RAY ANCHORS OR (2) 6" X 6" X 1/2" HDG WASHERS & NUTS INTO CONCRETE DEADMEN.
- 5.) DRAINS-1.25"Ø X 4' LONG SLIT TYPE PVC WELL POINT DRAINS @ 6' ON CENTER THROUGH BOTH WALLS 5" ABOVE THE BARNACLE LINE.
- 6.) NEW CAP AT EXISTING ELEVATION.
- 7.) MEETS FBC 2023, 8TH EDITION.



1 EXPANSION JOINT DETAIL
S2 N.T.S.

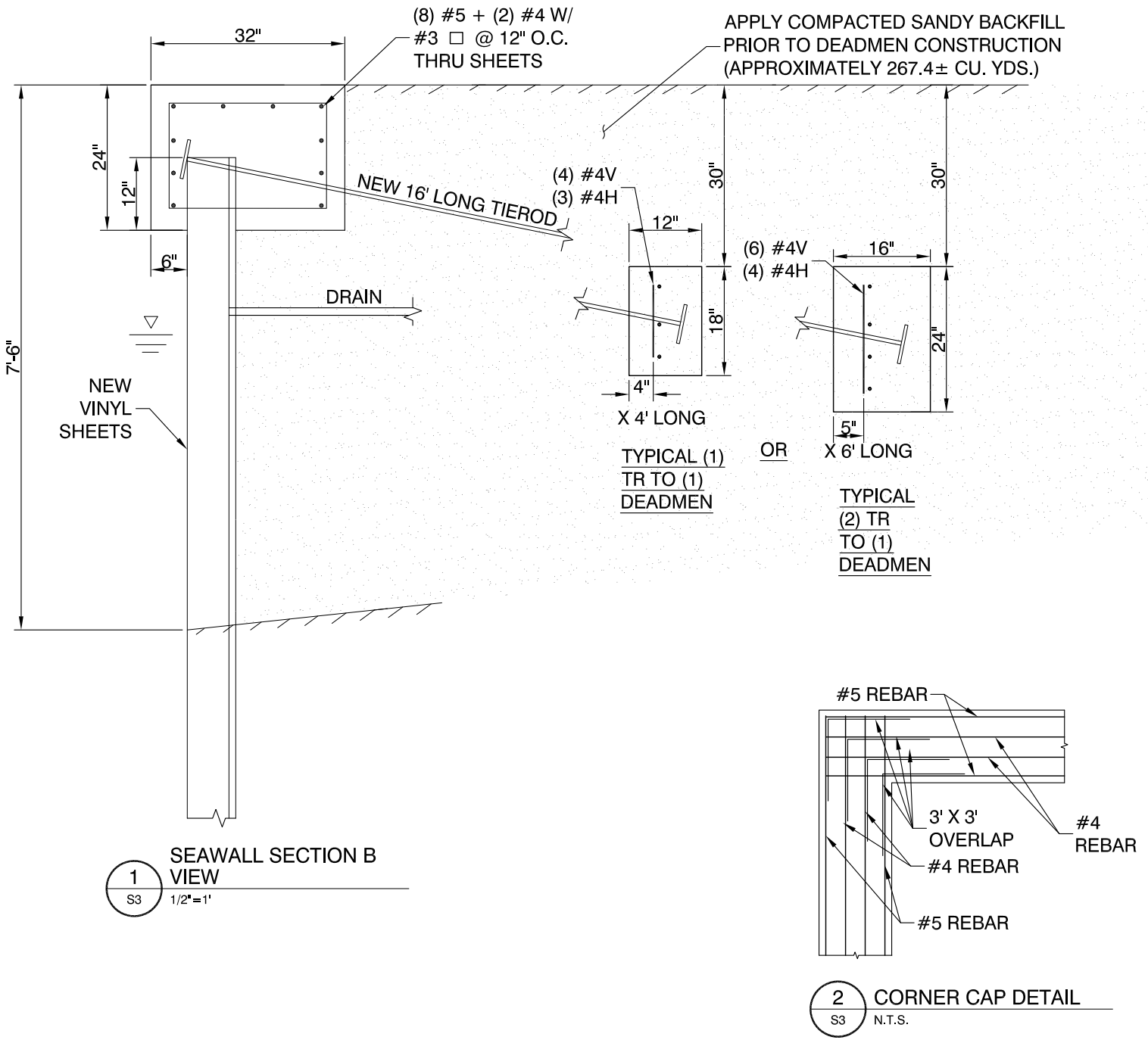


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Date: 2026.02.27 12:01:24 -05'00'

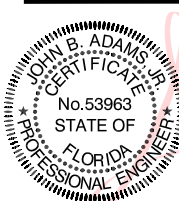
Reuben Clarson
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MARINE ENGINEERING

ASSESS, ADVISE, DESIGN
(CERT. OF AUTH. NO. 9206)
780 94TH AVENUE NORTH, SUITE 102, ST. PETERSBURG, FL 33702
P: (727) 895-4717 F: (727) 578-9542
WWW.REUBENCLARSONCONSULTING.COM

OWNER: CITY OF MADEIRA BEACH	CONTRACTOR:	DATE: 2-26-2026	SHEET NO.: S2 TOTAL SHEETS: 4
503 150TH AVE MADEIRA BEACH, FL		DRAWN/CHECK BY: JH/JA	REVISIONS:
SEAWALL DESIGN		SCALE: N.T.S.	
		PROJ. NO. RR26-26MB091S	



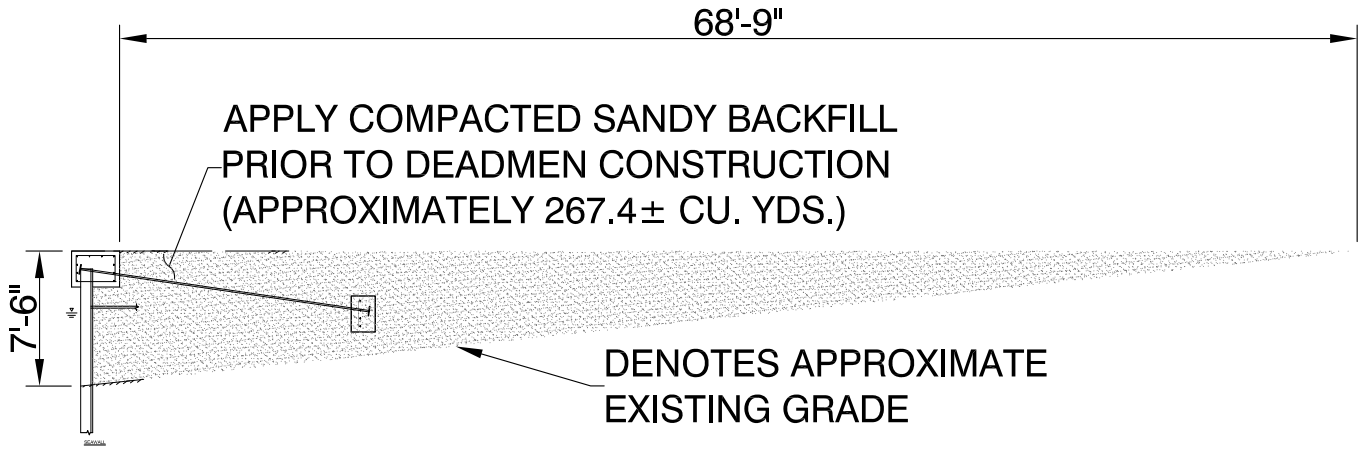
- NOTES:**
- 1.) SHEETS-ESP 5.5, VANGUARD OR CL-9900 X 14' LONG.
 - 2.) CONCRETE-5000 PSI AT 28 DAYS, FILLER 3500 PSI
 - 3.) REBAR-GRADE 60, PLAIN, 3" CONCRETE COVER OR FIBERGLASS
 - 4.) TIEBACKS-1"Ø X 16' LONG HDG, PVC ENCASED W/ (2) 6" X 6" X ½" HDG WASHERS & NUTS INTO CONCRETE DEADMEN.
 - 5.) DRAINS-1.25"Ø X 4' LONG SLIT TYPE PVC WELL POINT DRAINS @ 6' ON CENTER THROUGH WALL 5" ABOVE THE BARNACLE LINE.
 - 6.) NEW CAP AT EXISTING ELEVATION.
 - 7.) MEETS FBC 2023, 8TH EDITION.



Digitally signed
by John B.
Adams Jr., PE
Date:
2026.02.27
12:02:12 -05'00'

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CONSULTING
MARINE ENGINEERING
ASSESS, ADVISE, DESIGN
(CERT. OF AUTH. NO. 9206)
780 94TH AVENUE NORTH, SUITE 102, ST. PETERSBURG, FL 33702
P: (727) 895-4717 F: (727) 578-9542
WWW.REUBENCLARSONCONSULTING.COM

OWNER: CITY OF MADEIRA BEACH	CONTRACTOR:	DATE: 2-26-2026	SHEET NO.: S3 TOTAL SHEETS: 4
503 150TH AVE MADEIRA BEACH, FL		DRAWN/CHECK BY: JH/JA	REVISIONS:
		SCALE: N.T.S.	
SEAWALL DESIGN		PROJ. NO. RR26-26MB091S	



1
S4 3/32"=1'

EXISTING BOAT RAMP
FILL AREA DETAIL

Digitally signed
by John B.
Adams Jr., PE
Date:
2026.02.27
12:02:27 -05'00'

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780 94TH AVENUE NORTH, SUITE 102, ST. PETERSBURG, FL 33702
P: (727) 895-4717 F: (727) 578-9542
WWW.REUBENCLARSONCONSULTING.COM

OWNER: CITY OF MADEIRA BEACH	CONTRACTOR:	DATE: 2-26-2026	SHEET NO.: S4 TOTAL SHEETS: 4
503 150TH AVE MADEIRA BEACH, FL		DRAWN/CHECK BY: JH/JA	REVISIONS:
SEAWALL DESIGN		SCALE: N.T.S.	
		PROJ. NO. RR26-26MB091S	

