

ENGINEER IS NOT RESPONSIBLE FOR ON-SITE OR OFF-SITE DAMAGES TO EXISTING STRUCTURES DUE TO CONSTRUCTION ACTIVITIES.

WIND LOAD INFO:
 $V_{asd} = 124$ mph
 $V_{ult} = 160$ mph (3 sec. GUST)
 RISK CATEGORY I
 Exposure D

DUNE WALKOVER CONSTRUCTION

ATLANTIC OCEAN FRONTAGE
 570 OCEAN DRIVE
 TOWN OF JUNO BEACH
 PALM BEACH COUNTY, FLORIDA
 CLIENT:
TOWN OF JUNO BEACH

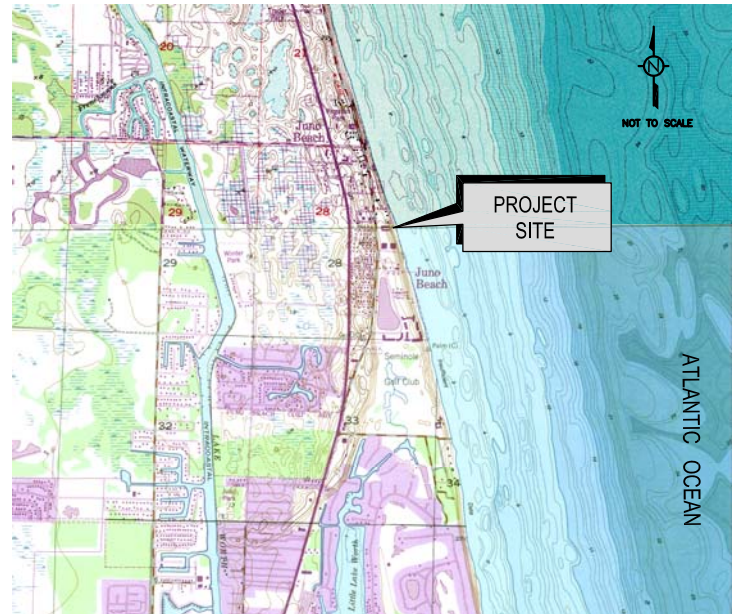
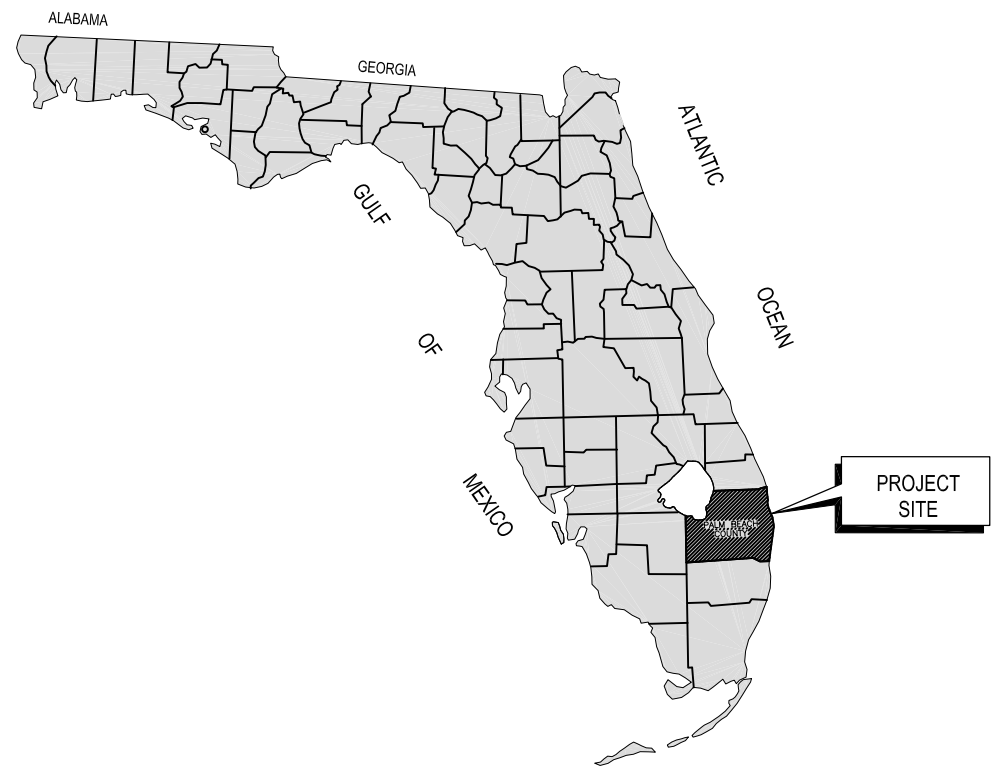
LOADS:
 THE DUNE WALKOVER SUPER STRUCTURE (INCLUDING BENTS, STRINGERS, AND DECKING) HAS BEEN DESIGNED FOR A VERTICAL LIVE LOAD OF 100 PSF, DEAD LOADS ASSOCIATED WITH THE STRUCTURE ITSELF, AND WIND LOADS PER CODE. THE STRUCTURE HAS NOT BEEN DESIGNED FOR SCOUR, OR HYDRODYNAMIC LOADS (INCLUDING BUT NOT LIMITED TO WAVE LOADS, CURRENT LOADS, ETC.).

ENGINEER MAKES NO WARRANTY OR CERTIFICATION REGARDING EXISTING STRUCTURES (INCLUDING EXISTING PILES) ONSITE.

NOVEMBER 2019

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2	DEMOLITION PLAN
3	SITE PLAN
4	FRAMING PLAN
5	SOUTH ELEVATION
6	BENCH AND PLATFORM DETAILS
7	DETAILS



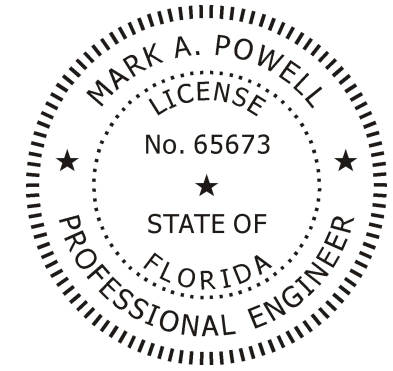
APPLICABLE PROVISION(S):

THE DUNE WALKOVER HAS BEEN DESIGNED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE 2017 FLORIDA BUILDING CODE.

NOTE:
 THESE PLANS MUST BE USED IN CONJUNCTION WITH THE ATTACHED TECHNICAL SPECIFICATIONS.

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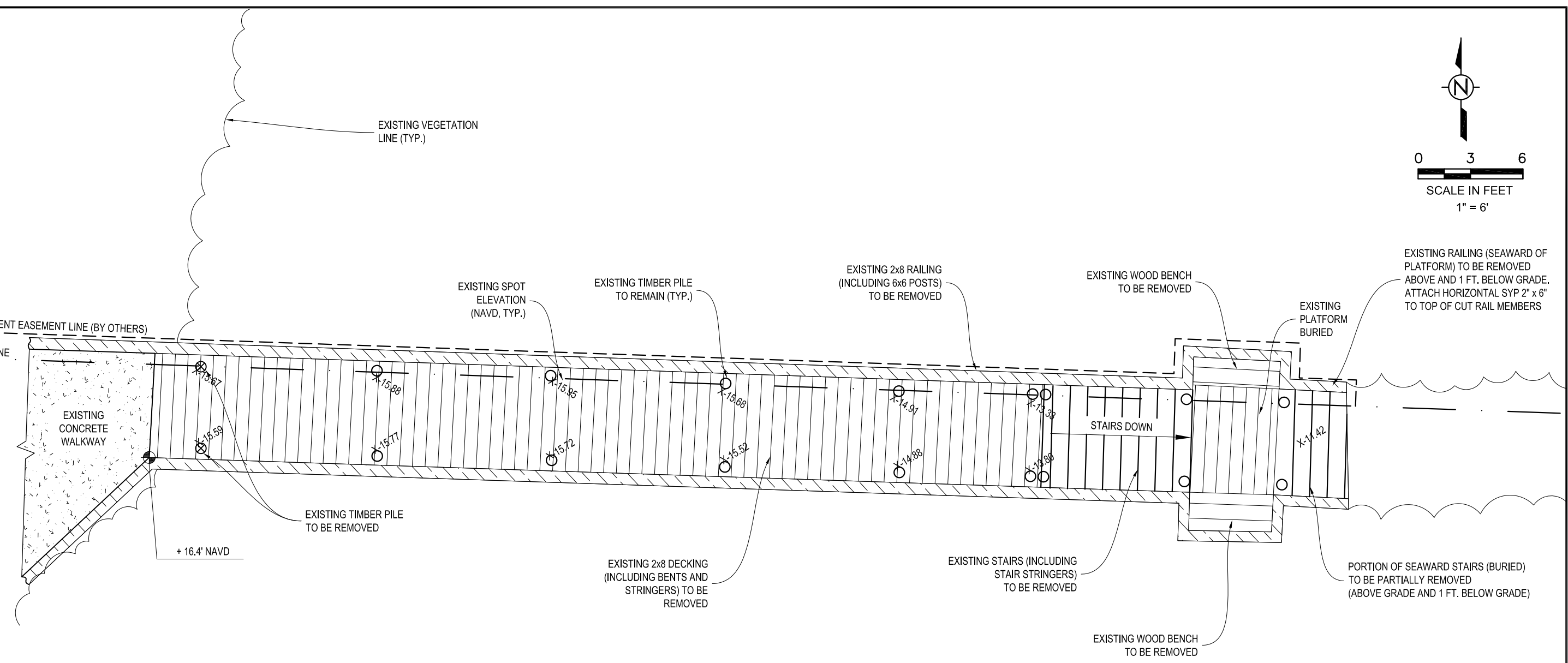
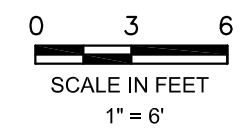
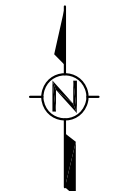
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VICINITY MAP & TITLE SHEET

 ISIMINGER & STUBBS ENGINEERING, INC. <small>COASTAL • ENVIRONMENTAL • MARINE REGISTRY NUMBER : 8114 P.O. BOX 14702 - NORTH PALM BEACH, FL. 33408 - 561-881-0003</small>							
DUNE WALKOVER CONSTRUCTION ATLANTIC OCEAN FRONTAGE 570 OCEAN DRIVE TOWN OF JUNO BEACH, PALM BEACH COUNTY, FL CLIENT: TOWN OF JUNO BEACH							
DATE	11/19	DRAWN	PJK	CHKD	KDB	APPRVD	MAP
DWG NO.	19123A1					SHEET	
COMPUTER FILE NO.	19123A					OF 7	
						1	

REV	1	11/19	CLARIFY PAGE NUMBERING
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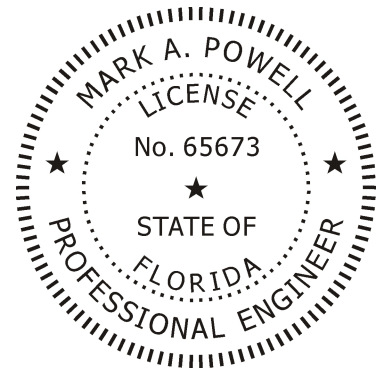


NOTES:

1. DATUM IS NAVD.
2. EXISTING CONDITIONS ARE APPROXIMATE BASED ON SURVEY BY MILLER LAND SURVEYING (REV. 10/24/19) AND ON-SITE OBSERVATIONS.
3. CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO PROTECT ALL EXISTING STRUCTURES ON-SITE AND ON NEIGHBORING PROPERTIES FROM DAMAGE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS TO EXISTING STRUCTURES AND VEGETATION SHOULD ANY DAMAGE OCCUR.

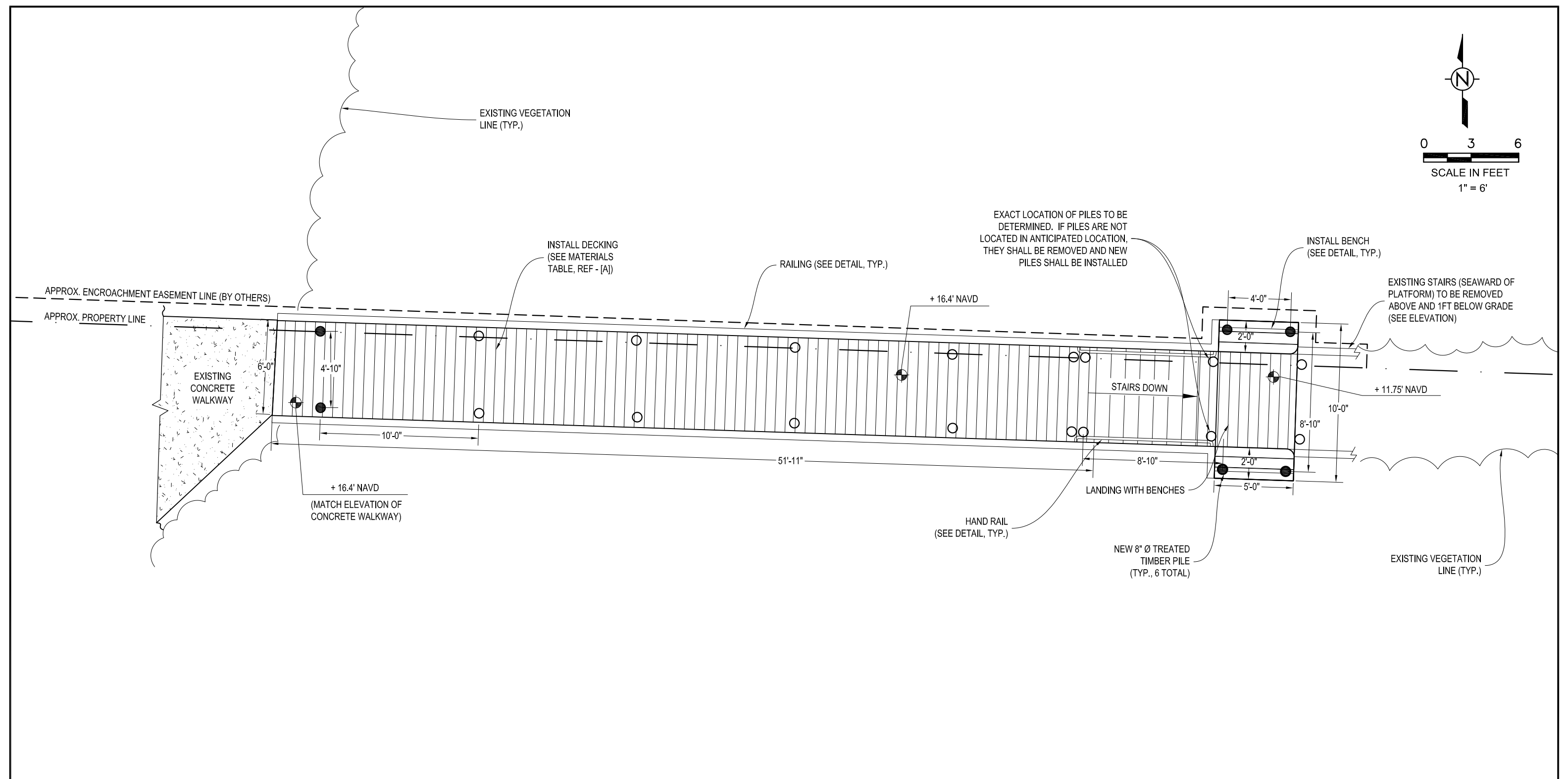
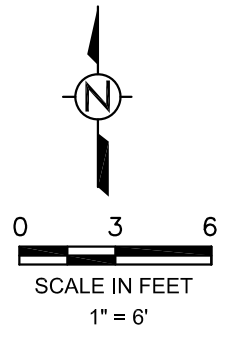
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DEMOLITION PLAN

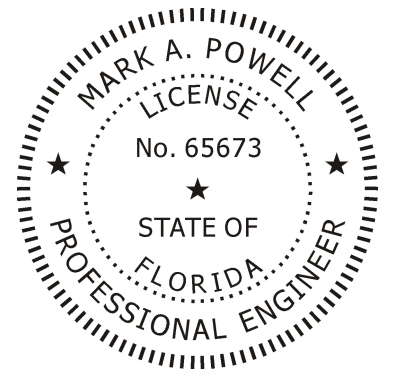
ISIMINGER & STUBBS ENGINEERING, INC.							
<small>COASTAL • ENVIRONMENTAL • MARINE REGISTRY NUMBER: 8114 P.O. BOX 14702 - NORTH PALM BEACH, FL. 33408 - 561-881-0003</small>							
DUNE WALKOVER CONSTRUCTION ATLANTIC OCEAN FRONTAGE 570 OCEAN DRIVE TOWN OF JUNO BEACH, PALM BEACH COUNTY, FL CLIENT: TOWN OF JUNO BEACH							
DATE	11/19	DRAWN	PJK	CHKD	KDB	APPRVD	MAP
DWG NO.	19123A2			SHEET		2	
COMPUTER FILE NO.	19123A			OF		7	



- NOTES:
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 4. SOME TRIM ELEMENTS NOT SHOWN. CONTRACTOR TO CONFIRM DETAILING OF TRIM ELEMENTS PRIOR TO COMMENCEMENT OF CONSTRUCTION.

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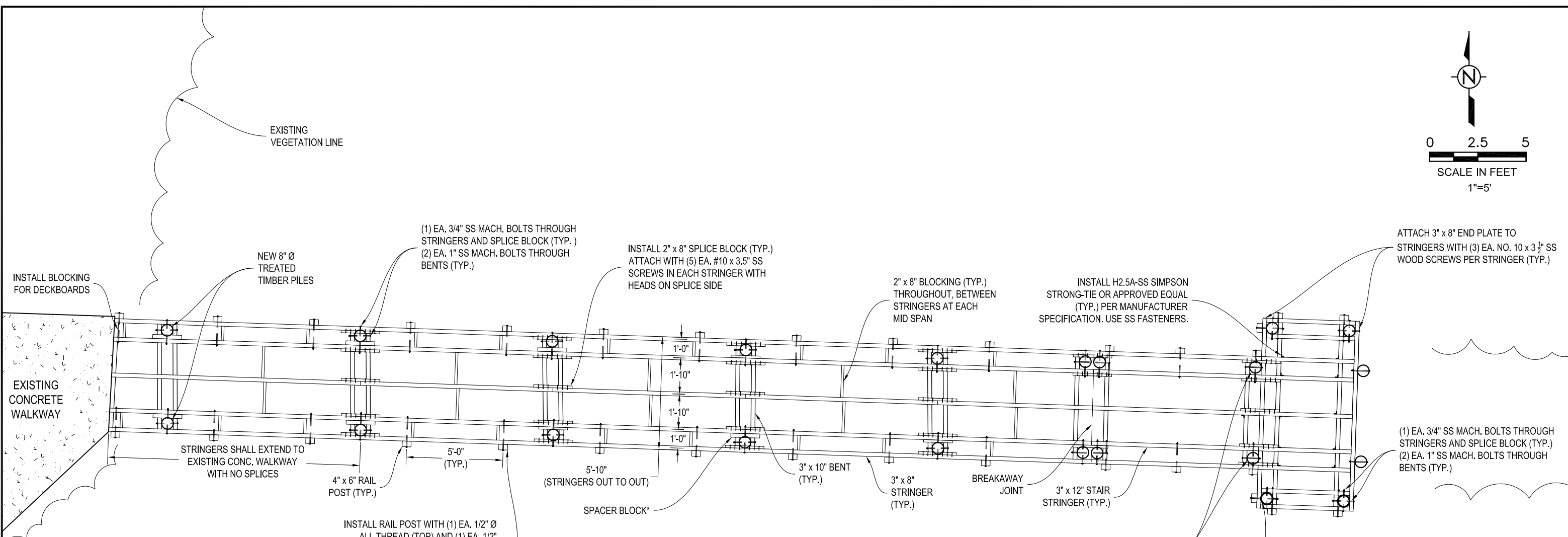
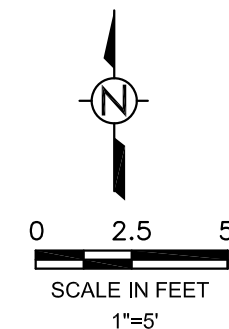


SITE PLAN

ISIMINGER & STUBBS ENGINEERING, INC.
 COASTAL • ENVIRONMENTAL • MARINE
 REGISTRY NUMBER: 8114
 P.O. BOX 14702 - NORTH PALM BEACH, FL. 33408 - 561-881-0003

DUNE WALKOVER CONSTRUCTION
 ATLANTIC OCEAN FRONTAGE
 570 OCEAN DRIVE
 TOWN OF JUNO BEACH, PALM BEACH COUNTY, FL
 CLIENT: TOWN OF JUNO BEACH

DATE	11/19	DRAWN	PJK	CHKD	KDB	APPRVD	MAP
DWG NO.	19123A3			SHEET		3	
COMPUTER FILE NO.	19123A			OF		7	



EXISTING VEGETATION LINE

INSTALL BLOCKING FOR DECKBOARDS

NEW 8" Ø TREATED TIMBER PILES

(1) EA. 3/4" SS MACH. BOLTS THROUGH STRINGERS AND SPLICE BLOCK (TYP.)
(2) EA. 1" SS MACH. BOLTS THROUGH BENTS (TYP.)

INSTALL 2" x 8" SPLICE BLOCK (TYP.) ATTACH WITH (5) EA. #10 x 3.5" SS SCREWS IN EACH STRINGER WITH HEADS ON SPLICE SIDE

2" x 8" BLOCKING (TYP.) THROUGHOUT, BETWEEN STRINGERS AT EACH MID SPAN

INSTALL H2.5A-SS SIMPSON STRONG-TIE OR APPROVED EQUAL (TYP.) PER MANUFACTURER SPECIFICATION. USE SS FASTENERS.

ATTACH 3" x 8" END PLATE TO STRINGERS WITH (3) EA. NO. 10 x 3 1/2" SS WOOD SCREWS PER STRINGER (TYP.)

EXISTING CONCRETE WALKWAY

STRINGERS SHALL EXTEND TO EXISTING CONC. WALKWAY WITH NO SPLICES

4" x 6" RAIL POST (TYP.)

5'-0" (TYP.)

5'-10" (STRINGERS OUT TO OUT)

3" x 10" BENT (TYP.)

3" x 8" STRINGER (TYP.)

BREAKAWAY JOINT

3" x 12" STAIR STRINGER (TYP.)

(1) EA. 3/4" SS MACH. BOLTS THROUGH STRINGERS AND SPLICE BLOCK (TYP.)
(2) EA. 1" SS MACH. BOLTS THROUGH BENTS (TYP.)

INSTALL RAIL POST WITH (1) EA. 1/2" Ø ALL THREAD (TOP) AND (1) EA. 1/2" BOLT (BOTTOM). ALL THREAD SHALL EXTEND TO INTERIOR STRINGER. BLOCKING SHALL BE INSTALLED ADJACENT TO ALL THREAD (TYP.) (SEE DETAIL, SHEET 7)

SPACER BLOCK*

EXACT LOCATION OF PILES TO BE DETERMINED. IF PILES ARE NOT LOCATED IN ANTICIPATED LOCATION, THEY SHALL BE REMOVED AND NEW PILES SHALL BE INSTALLED

INSTALL NEW 8" Ø TREATED TIMBER PILE FOR PLATFORM (TYP., 4 TOTAL)

NOTE:
* SPACER BLOCK THICKNESS SHALL BE DETERMINED IN THE FIELD.

PRODUCT NOTES:

WOOD:
ALL STRUCTURAL MEMBERS SHALL BE PRESSURE TREATED ("GROUND CONTACT", AWPA CATEGORY UC4B MINIMUM EQUIVALENT) NO. 1 SOUTHERN YELLOW PINE OR BETTER.

HARDWARE:
ALL BOLTS, WASHERS, NUTS, SCREWS, NAILS, AND OTHER HARDWARE ITEMS SHALL BE 316 STAINLESS. THREADED ROD MAY BE USED IN PLACE OF HEX HEAD BOLTS FOR BOLTS LONGER THAN 7".

DECKING OPTIONS:

PINE: DECKING SHALL CONSIST OF 2" x 6" SUNBELT FOREST PRODUCTS (SEE PLAN SHEET 7) DECKING. END-TO-END JOINTS ARE NOT ALLOWED. DECKING SHALL BE INSTALLED WITH (2) EA. #10 X 3 1/2" DECK SCREWS PER STRINGER CROSSING. GAP BOARDS 1/8" SIDE TO SIDE AND BETWEEN THE BOARDS AND OTHER SURFACES. THE TOP OF SCREWS ARE FLUSH WITH OR NO LOWER THAN 1/32" BELOW THE TOP OF DECKING.

COMPOSITE: DECKING SHALL CONSIST OF 2" x 6" EVERGRAIN® DECKING (COLOR: CAPE COD GREY). END-TO-END JOINTS ARE NOT ALLOWED. DECKING SHALL BE INSTALLED WITH (2) EA. #10 X 3 1/2" DECK SCREWS PER STRINGER CROSSING. GAP BOARDS 1/8" SIDE TO SIDE AND BETWEEN THE BOARDS AND OTHER SURFACES. PRE-DRILLING/COUNTERSINKING IS REQUIRED SUCH THAT THE TOP OF SCREWS ARE FLUSH WITH OR NO LOWER THAN 1/32" BELOW THE TOP OF DECKING. ALL OTHER MANUFACTURER INSTALLATION REQUIREMENTS (INCLUDING BOARD EDGE SPACING) SHALL BE FOLLOWED.

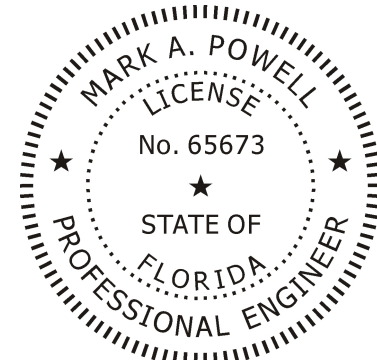
IPE: DECKING SHALL CONSIST OF 5/4" x 6" IPE DECKING. END-TO-END JOINTS ARE NOT ALLOWED. DECKING SHALL BE INSTALLED WITH (2) EA. #10 X 3 1/2" DECK SCREWS PER STRINGER CROSSING. GAP BOARDS 1/8" SIDE TO SIDE AND BETWEEN THE BOARDS AND OTHER SURFACES. PRE-DRILLING/COUNTERSINKING IS REQUIRED SUCH THAT THE TOP OF SCREWS ARE FLUSH WITH OR NO LOWER THAN 1/32" BELOW THE TOP OF DECKING. ALL OTHER MANUFACTURER INSTALLATION REQUIREMENTS (INCLUDING BOARD EDGE SPACING) SHALL BE FOLLOWED.

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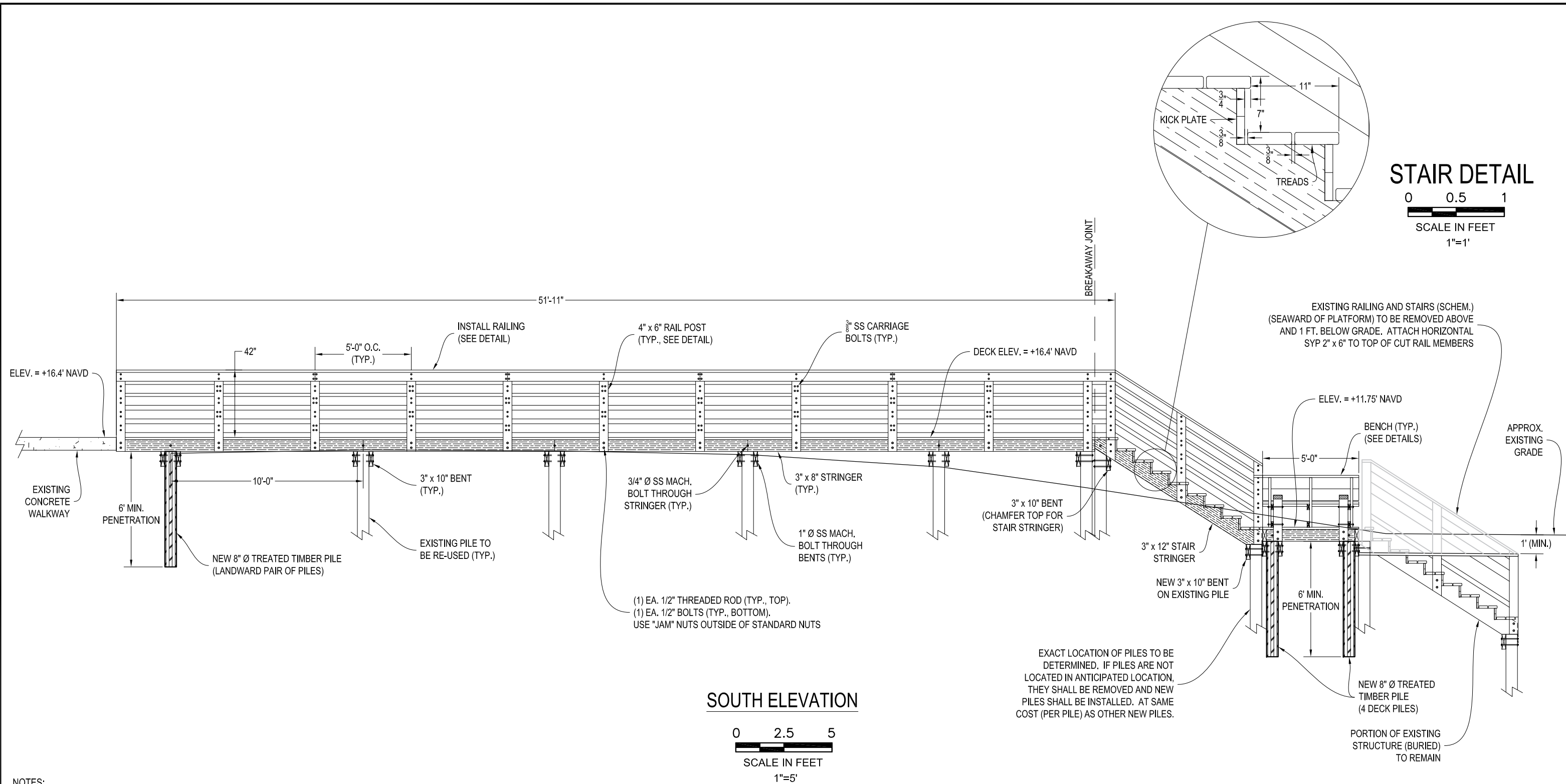


FRAMING PLAN

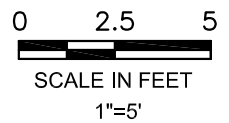
ISIMINGER & STUBBS ENGINEERING, INC.
COASTAL • ENVIRONMENTAL • MARINE
REGISTRY NUMBER: 8114
P.O. BOX 14702 - NORTH PALM BEACH, FL. 33408 - 561-881-0003

DUNE WALKOVER CONSTRUCTION
ATLANTIC OCEAN FRONTAGE
570 OCEAN DRIVE
TOWN OF JUNO BEACH, PALM BEACH COUNTY, FL
CLIENT: TOWN OF JUNO BEACH

DATE	11/19	DRAWN	PJK	CHKD	KDB	APPRVD	MAP
DWG NO.	19123A4			SHEET		4	
COMPUTER FILE NO.	19123A			OF		7	



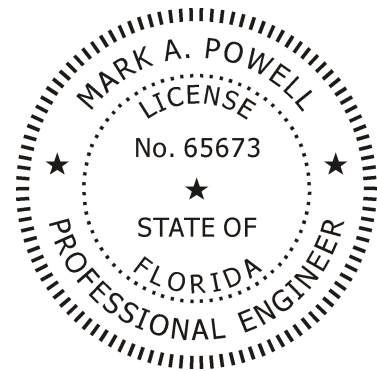
SOUTH ELEVATION



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4. ALL BOLTS, WASHERS, NUTS, SCREWS, NAILS, AND OTHER HARDWARE ITEMS SHALL BE 316 STAINLESS STEEL UNLESS SPECIFIED OTHERWISE. ALL BOLTS SHALL HAVE POLISHED FINISH. THREADED ROD MAY BE SUBSTITUTED FOR BOLTS LONGER THAN 7".
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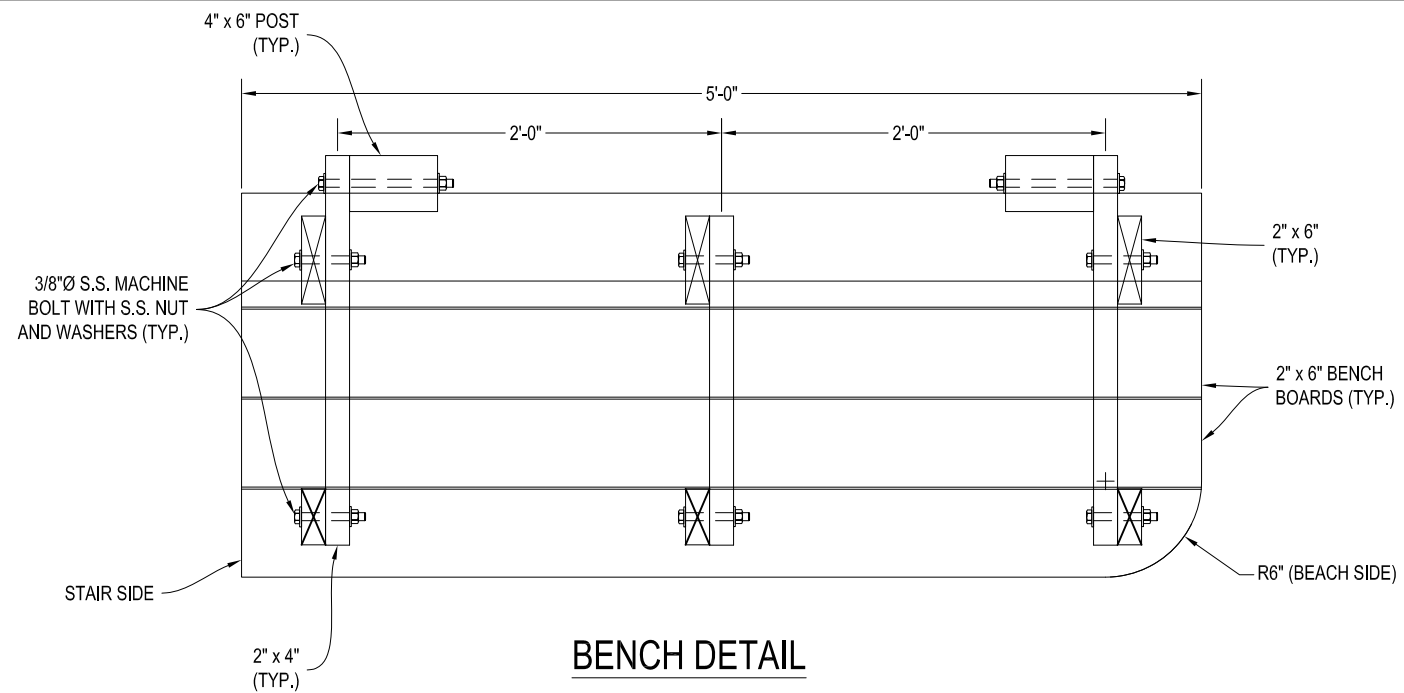
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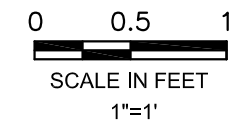
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SOUTH ELEVATION

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DATE	11/19	DRAWN	PJK	CHKD	KDB	APPRVD	MAP
DWG NO.	19123A5			SHEET		OF 7	
COMPUTER FILE NO.	19123A					5	



BENCH DETAIL



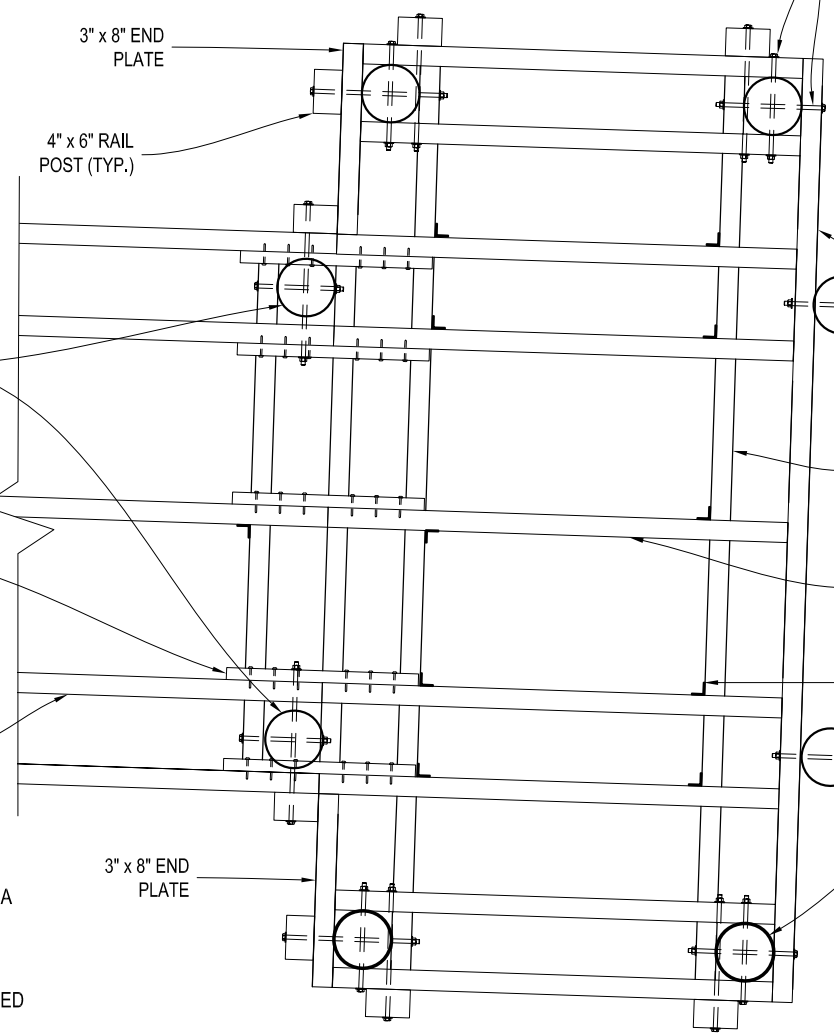
(1) EA. 3/4" SS MACH. BOLTS THROUGH STRINGERS AND SPLICE BLOCK (TYP.)
 (2) EA. 1" SS MACH. BOLTS THROUGH BENTS (TYP.)

NOTE: INFILL RAILING BETWEEN BENCH AND STAIRS TO BE FIELD COORDINATED.

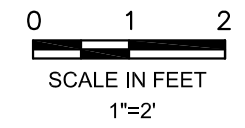
EXACT LOCATION OF PILES TO BE DETERMINED. IF PILES ARE NOT LOCATED IN ANTICIPATED LOCATION, THEY SHALL BE REMOVED AND NEW PILES SHALL BE INSTALLED. AT SAME COAST (PER PILE) AS OTHER NEW PILES.

INSTALL 2" x 8" SPLICE BLOCK (TYP.) ATTACH WITH (5) EA. #10 x 3.5" SS SCREWS IN EACH STRINGER WITH HEADS ON SPLICE SIDE

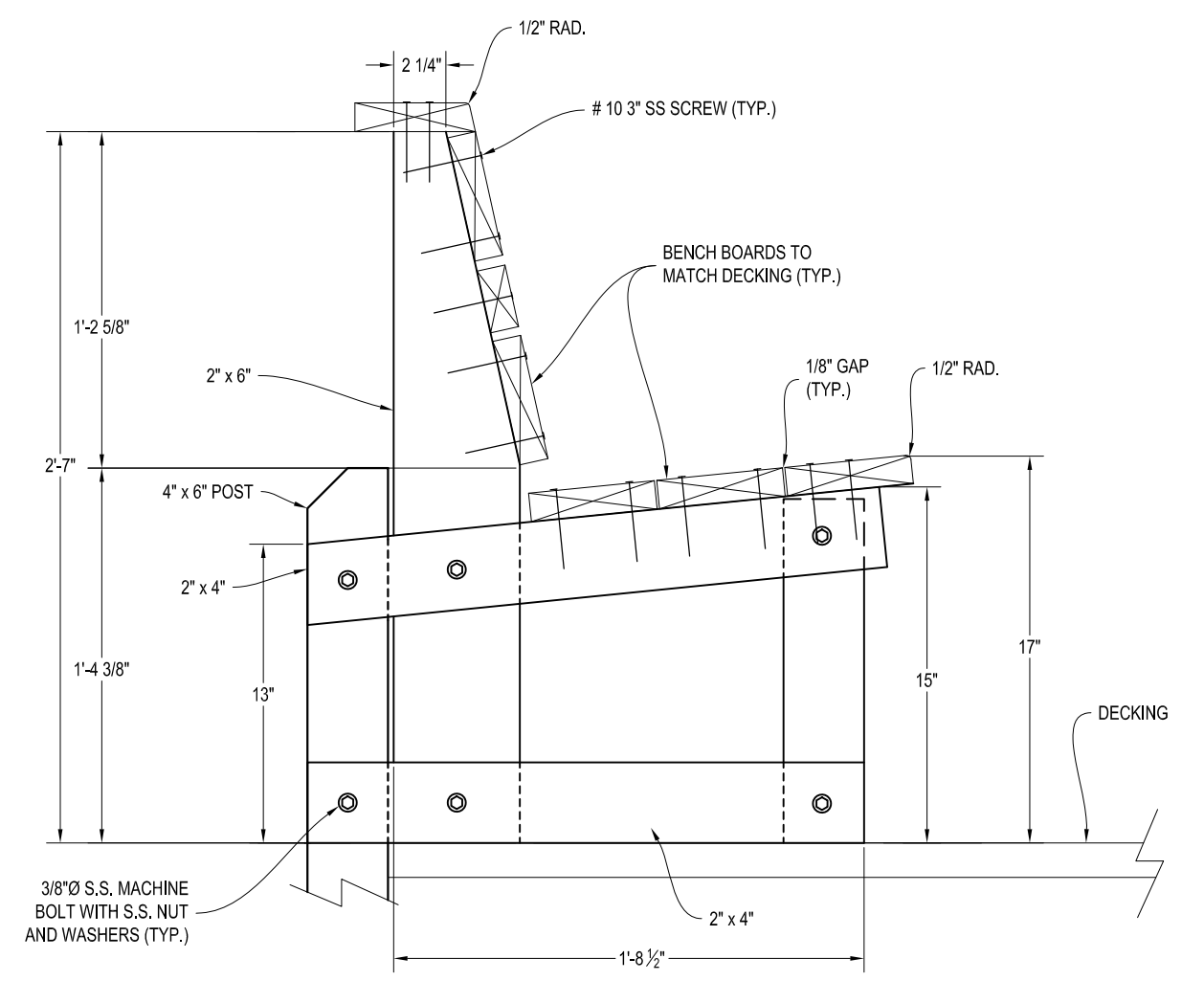
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PLATFORM FRAMING DETAIL



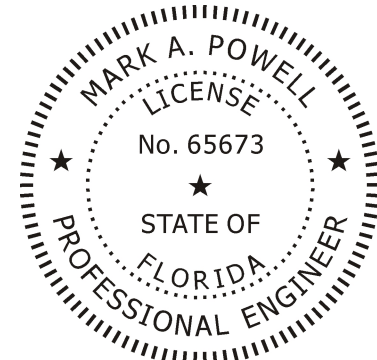
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BENCH SECTION

NOT TO SCALE

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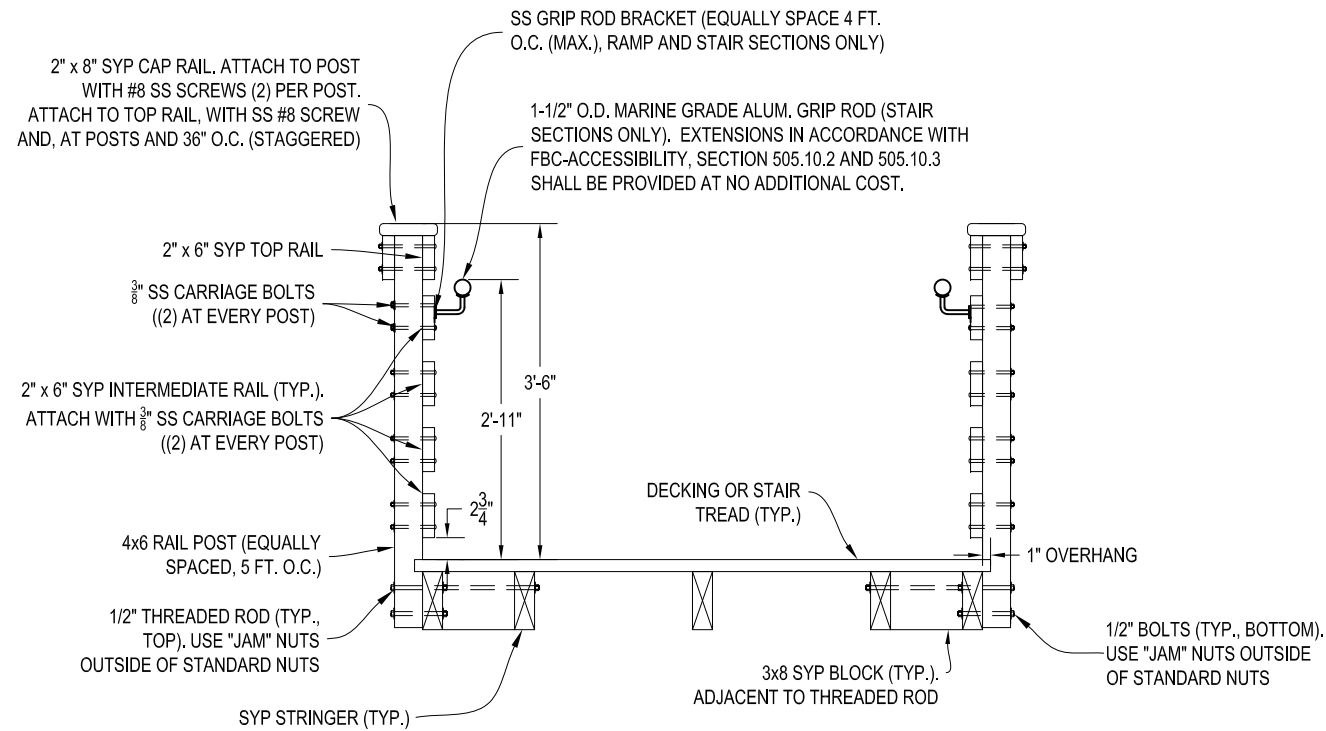


BENCH AND PLATFORM DETAILS

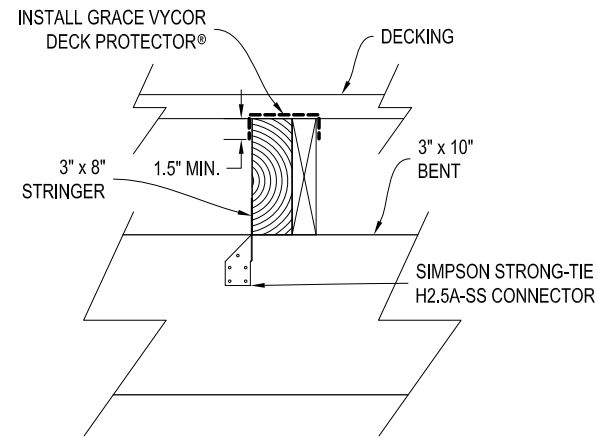
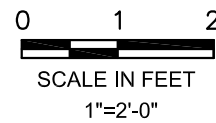
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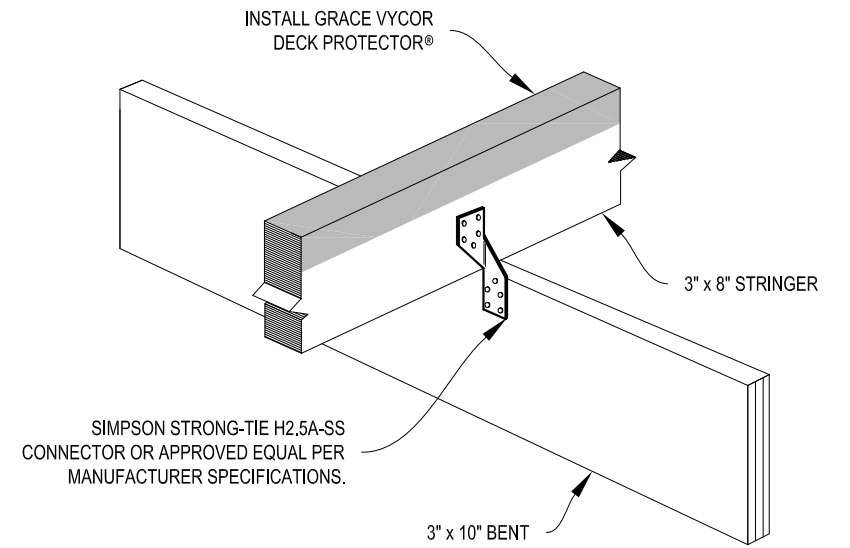
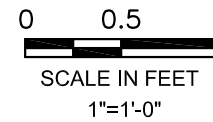
DATE	11/19	DRAWN	PJK	CHKD	KDB	APPRVD	MAP
DWG NO.	19123A6			SHEET		OF 7	
COMPUTER FILE NO.	19123A					6	



RAILING DETAIL

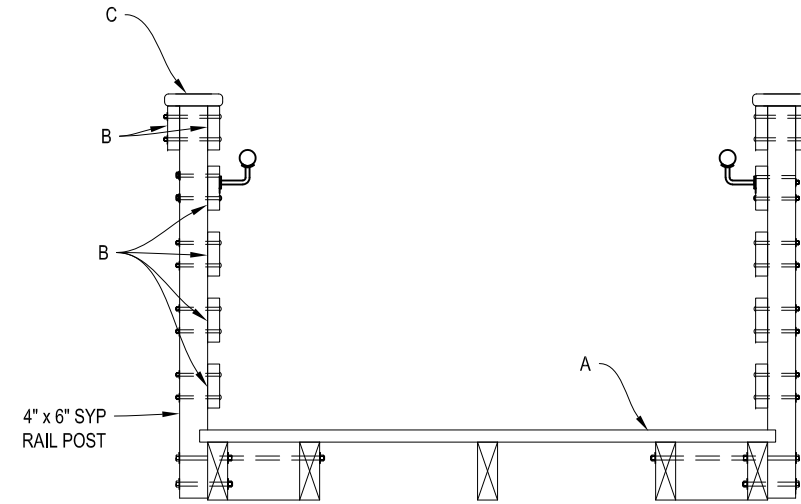


GRACE VYCOR DETAIL

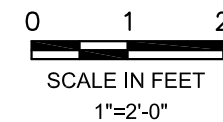


STRINGER/BENT DETAIL

NOT TO SCALE



MATERIALS DETAIL

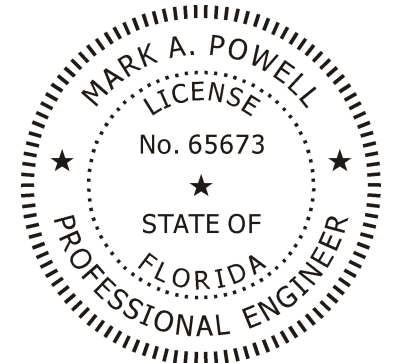


MATERIALS TABLE				
ITEM	BASE BID	ALT. 1	ALT. 2	
A	2" x 6" SYP *	2" x 6" EVERGRAIN COMPOSITE **	5/4" x 6" IPE	2
B	2" x 6" SYP *	2" x 6" SYP *	5/4" x 6" IPE	
C	2" x 8" LUMBEROCK COMPOSITE **	2" x 8" LUMBEROCK COMPOSITE **	2" x 6" IPE	
* SYP DECKING SHALL CONSIST OF 2" x 6" SUNBELT FOREST PRODUCTS SYP " TROPICAL PRESERVE PLUS" DECKING.				
** CLIENT SHALL SELECT COLOR OF COMPOSITE AT NO ADDITIONAL COST.				

NOTES:

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- ALL BOLTS, WASHERS, NUTS, SCREWS, NAILS, AND OTHER HARDWARE ITEMS SHALL BE 316 STAINLESS STEEL UNLESS SPECIFIED OTHERWISE. ALL BOLTS SHALL HAVE POLISHED FINISH. THREADED ROAD MAY BE SUBSTITUTED FOR BOLTS LONGER THAN 7". ALUMINUM HANDRAILS SHALL BE ALLOY 6061. CONTRACTOR TO PROVIDE CONNECTION DETAILS TO ENGINEER PRIOR TO ORDERING AND INSTALLING.
- SOME TRIM ELEMENTS NOT SHOWN. CONTRACTOR TO CONFIRM DETAILING OF TRIM ELEMENTS PRIOR TO COMMENCEMENT OF CONSTRUCTION.

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DETAILS

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 570 OCEAN DRIVE
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DWG NO.	19123A7			SHEET		7	
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REV	2	11/19	REVISE MATERIALS TABLE
REV	1	11/19	REVISE MATERIALS TABLE