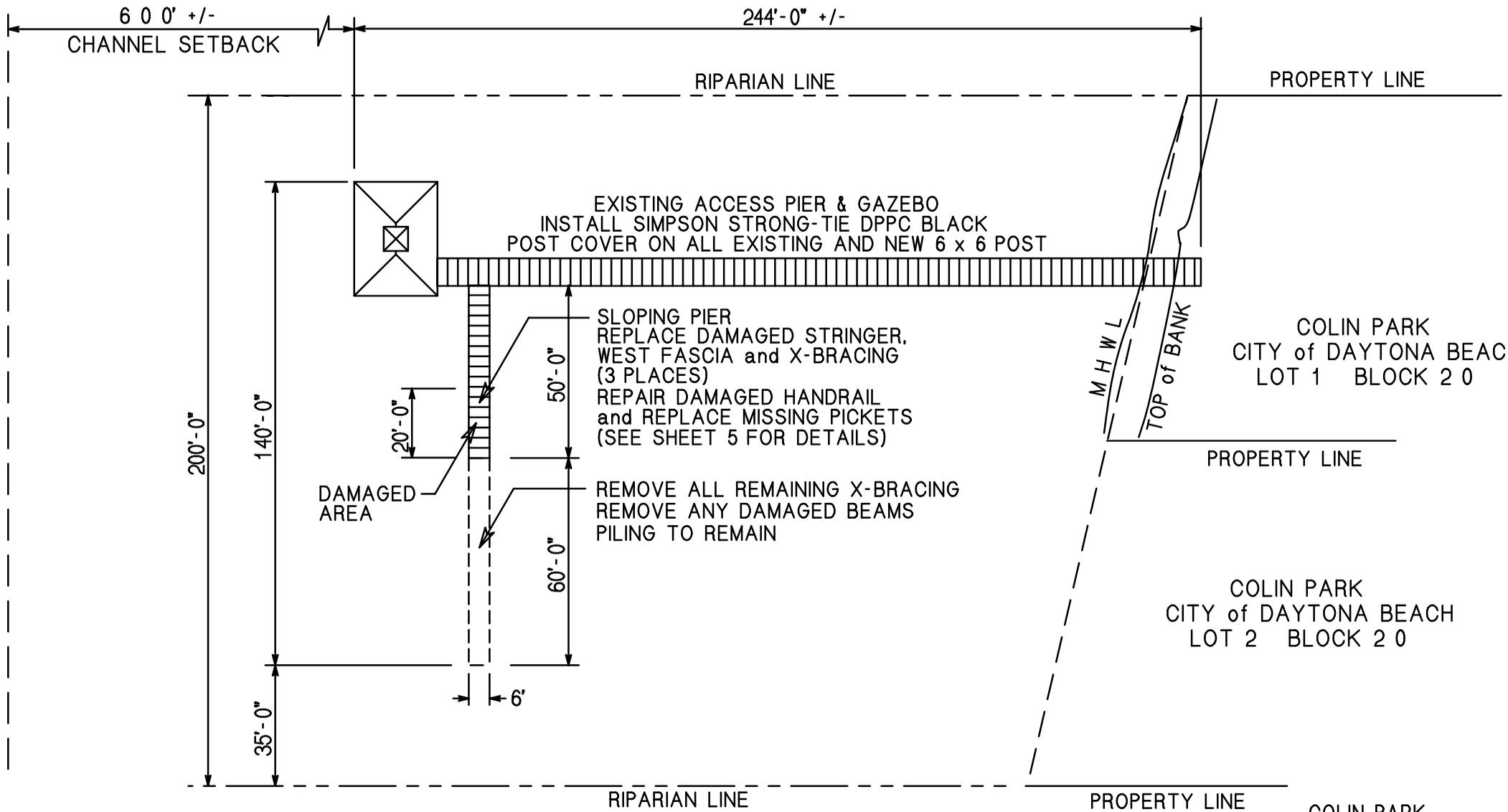


NORTH

HALIFAX RIVER

EAST EDGE of INTRACOASTAL WATERWAY



COLIN PARK
CITY of DAYTONA BEACH
LOT 1 BLOCK 2 0

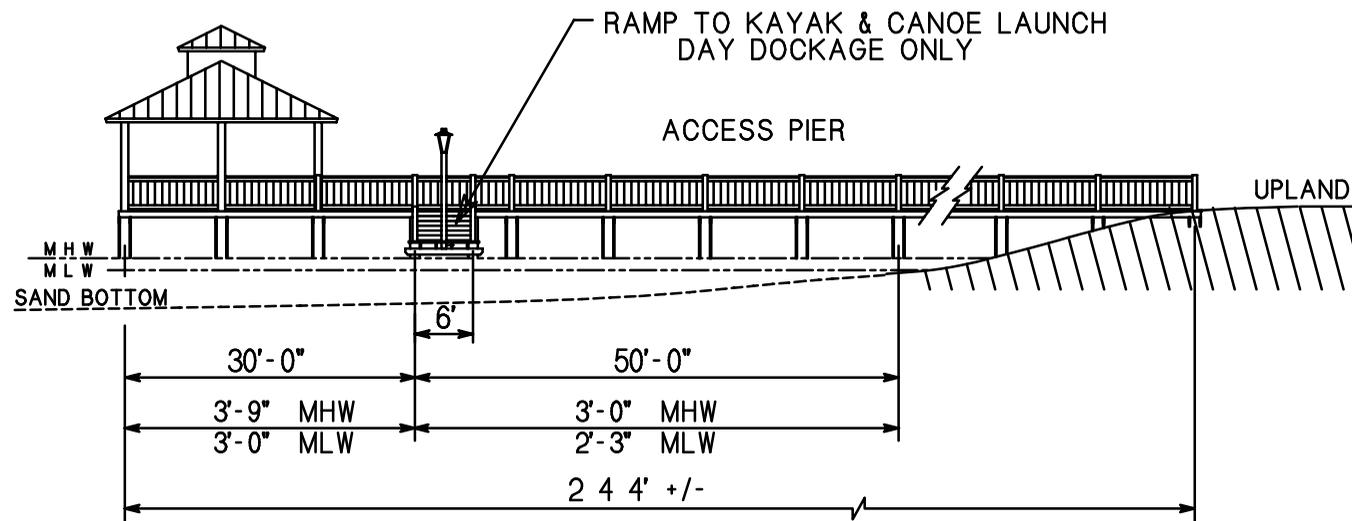
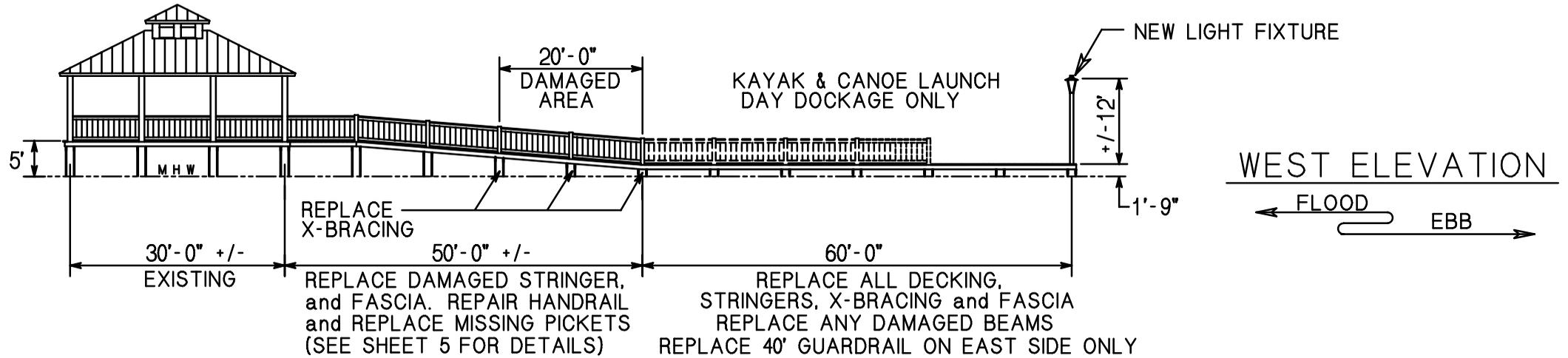
COLIN PARK
CITY of DAYTONA BEACH
LOT 2 BLOCK 2 0

SITE PLAN

SCALE - 1" = 40'

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COLIN PARK
1 0 0 UNIVERSITY BLVD
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VOLUSIA COUNTY
PARCEL # 5305-01-20-00118999
SHEET: 1 of 6



ELEVATIONS

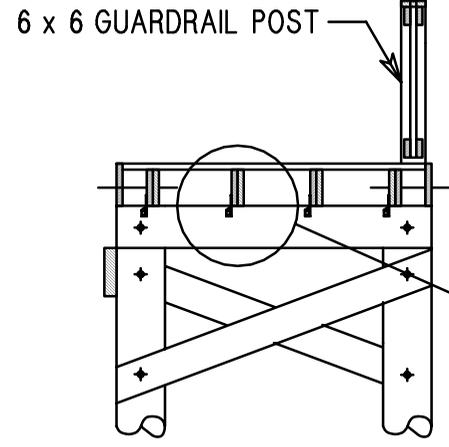
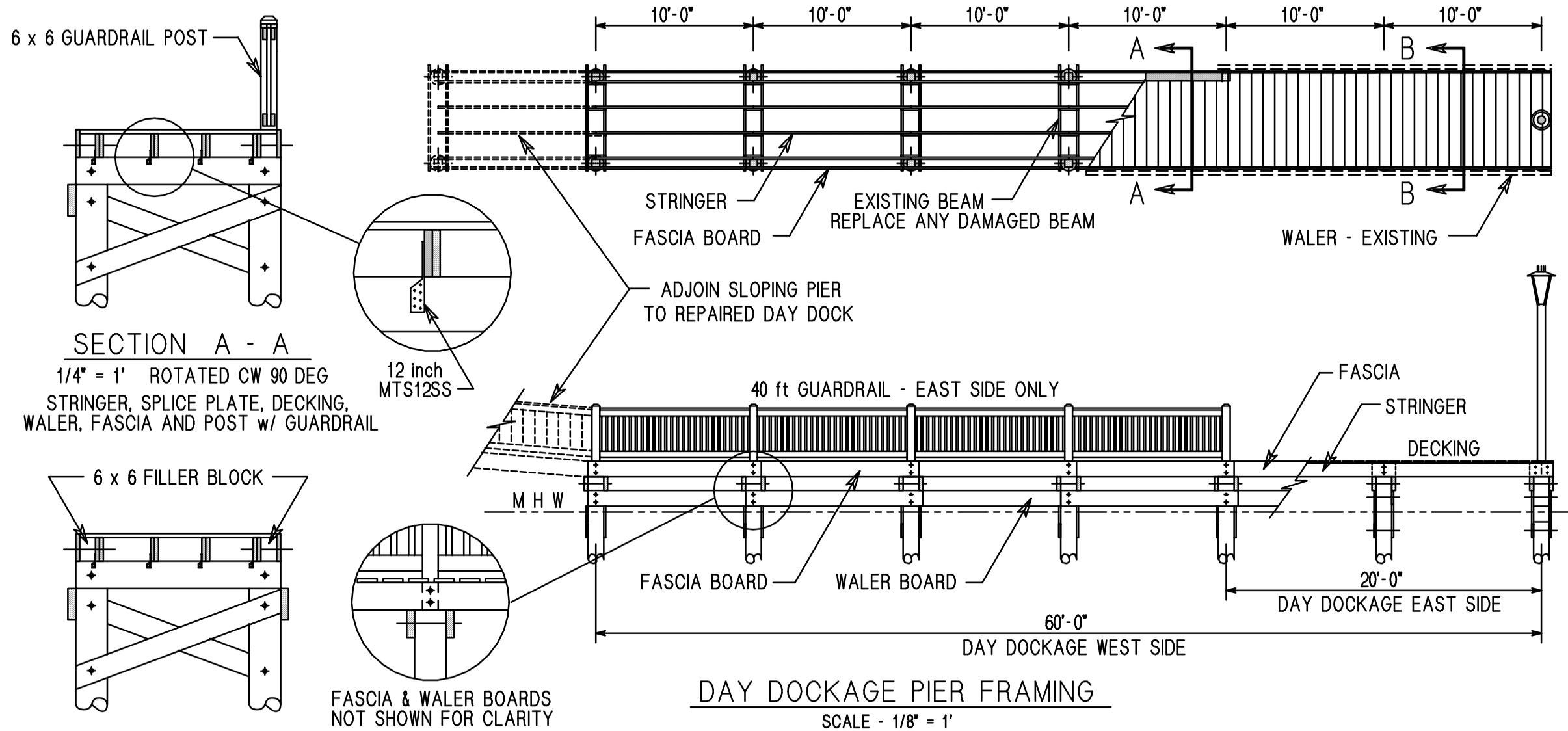
SCALE - 1" = 20'

TIDAL DATA

ID 3 9 2 6
 M H W -0 0 4
 M L W -0 7 4
 NAVD 8 8
 DAYTONA BEACH QUAD MAP
 TIDAL EPOCH 1983-2001

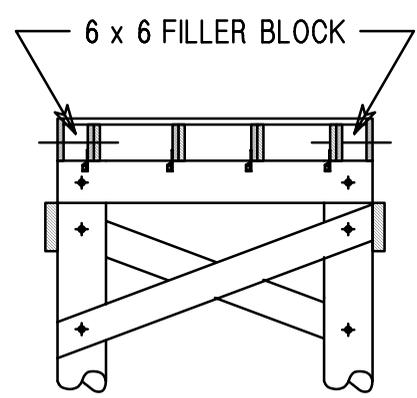
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SECTION A - A

1/4" = 1' ROTATED CW 90 DEG
STRINGER, SPLICE PLATE, DECKING,
WALER, FASCIA AND POST w/ GUARDRAIL



SECTION B - B

1/4" = 1' ROTATED CW 90 DEG
STRINGER, SPLICE PLATE, DECKING,
WALER, FASCIA & FILLER BLOCK
(WHEN NO POST PRESENT)

REPLACE DECKING, STRINGERS, FASCIA and X-BRACING
REPLACE ANY DAMAGED BEAMS

FASCIA & WALER BOARDS
NOT SHOWN FOR CLARITY

THIS STRUCTURE MEETS THE REQUIREMENTS of SECTION 1 6 0 9 OF THE 2 0 1 7
FLORIDA BUILDING CODE and ASCE 7-10 FOR BASIC WIND SPEED of 1 3 0 MPH,
RISK CATEGORY I, EXPOSURE D. PRESSURE +1 6 . 0, -4 2 . 7.
STRUCTURE HAS BEEN DESIGNED FOR LIVE LOADS PER TABLE 1 6 0 7 . 1
DAY DOCK PIER = 100 # /SF

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6 x 6 POST EXTENDS 44" ABOVE DECK
5 PLACES EAST SIDE OF DAY DOCK
IN VESSEL NON-LOADING AREAS

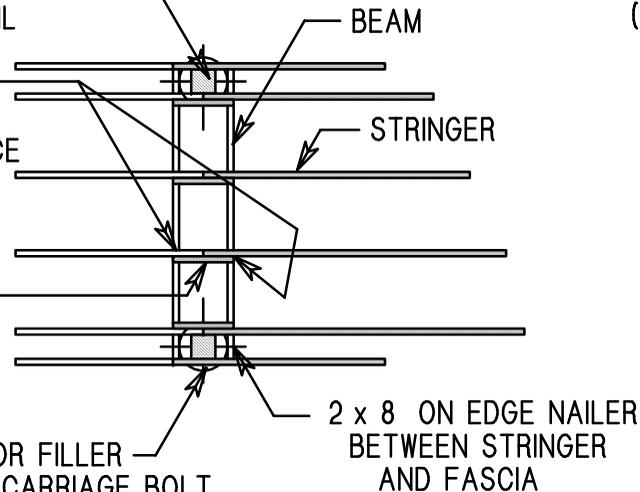
AND

6 x 6 FILLER BLOCK BELOW DECK
SURFACE BETWEEN STRINGER AND FASCIA
BOARDS - AREAS WITHOUT GUARDRAIL

SIMPSON MTS12SS HURRICANE TIE
STRINGER to BEAM - OPPOSITE SIDES
AT ALL STRINGER TO BEAM INTERFACE

2 x 10 x 15" LONG SPLICE PLATE
FASTENED TO 2 x 10 STRINGER
WITH 316 SS 12d R'SHANKED NAILS

FASCIA BOARD FASTENED TO POST OR FILLER
BLOCK AND STRINGER w/ 5/8" 316 SS CARRIAGE BOLT,
AT EACH PILE LOCATION FROM OUTSIDE TO
INSIDE WITH NUT & FENDER WASHER (INSIDE)
C'BORE FASCIA BOARD 1/2" DEEP TO ACCEPT
HEAD OF CARRIAGE BOLT



EXISTING & PROPOSED FRAMING

SCALE - 1/4" = 1'

ALL FASTENERS ARE STAINLESS STEEL TYPE 316

6 x 6 GUARDRAIL POST w/ CHAMFER ALL SIDES TO MATCH EXISTING

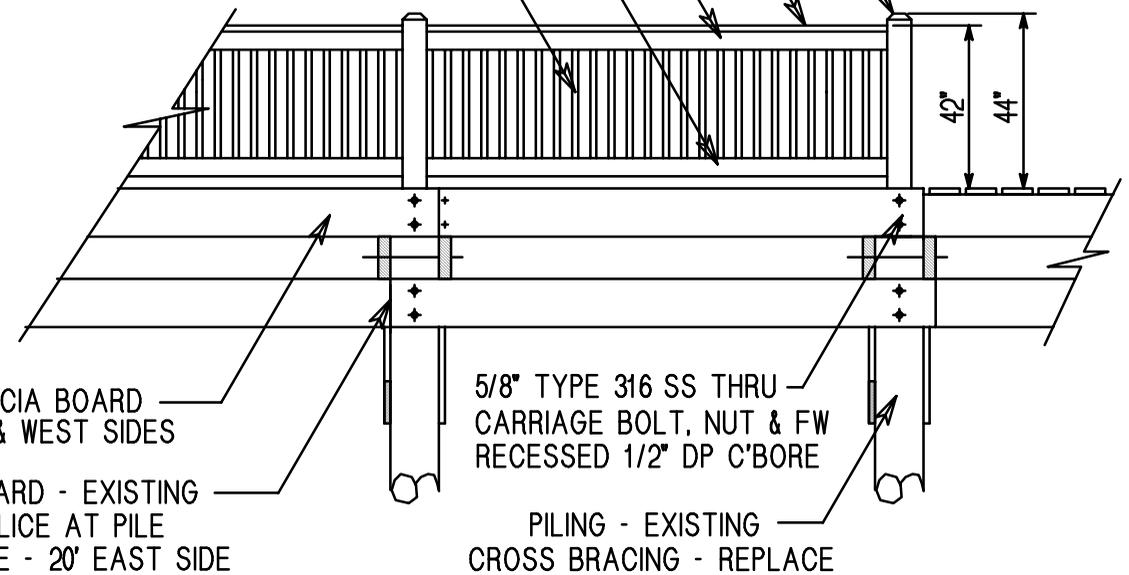
2 x 6 RAIL CAP 42" ABOVE DECK SURFACE

2 x 4 TOP VERTICAL RAIL SUPPORT BOTH SIDES

2 x 4 BOTTOM RAIL SUPPORT BOTH SIDES

2" GAB MAX BETWEEN BOTTOM OF RAIL AND DECK SURFACE

(24) 2 x 2 PT PICKETS PER 10' SECTION
4" MAX OPENING BETWEEN PICKETS



FASCIA BOARD
EAST & WEST SIDES
WATER BOARD - EXISTING
LAP SPLICE AT PILE
60' WEST SIDE - 20' EAST SIDE

5/8" TYPE 316 SS THRU
CARRIAGE BOLT, NUT & FW
RECESSED 1/2" DP C'BORE
PILING - EXISTING
CROSS BRACING - REPLACE

GUARDRAIL EAST SIDE ONLY

SCALE - 1/4" = 1'

ALL FASTENERS ARE STAINLESS STEEL TYPE 316

THIS STRUCTURE MEETS THE REQUIREMENTS of SECTION 1 6 0 9 OF THE 2 0 1 7
FLORIDA BUILDING CODE and ASCE 7-10 FOR BASIC WIND SPEED of 1 3 0 MPH,
RISK CATEGORY I, EXPOSURE D. PRESSURE +1 6 . 0, -4 2 . 7.
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DAAY DOCK PIER = 100 # /SF

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SLOPING PIER REPAIR

DAMAGE DESCRIPTION AND COMPONENTS

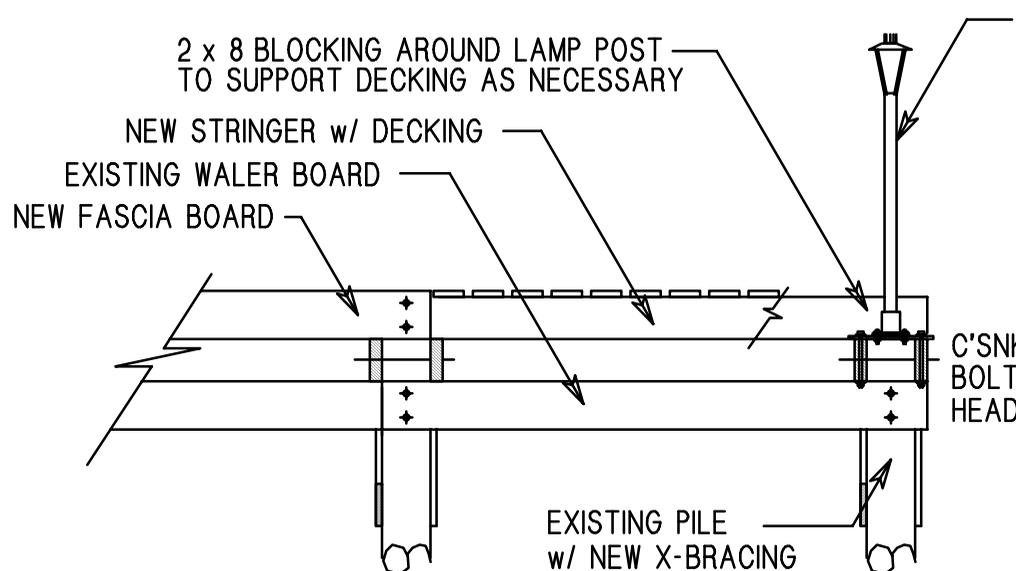
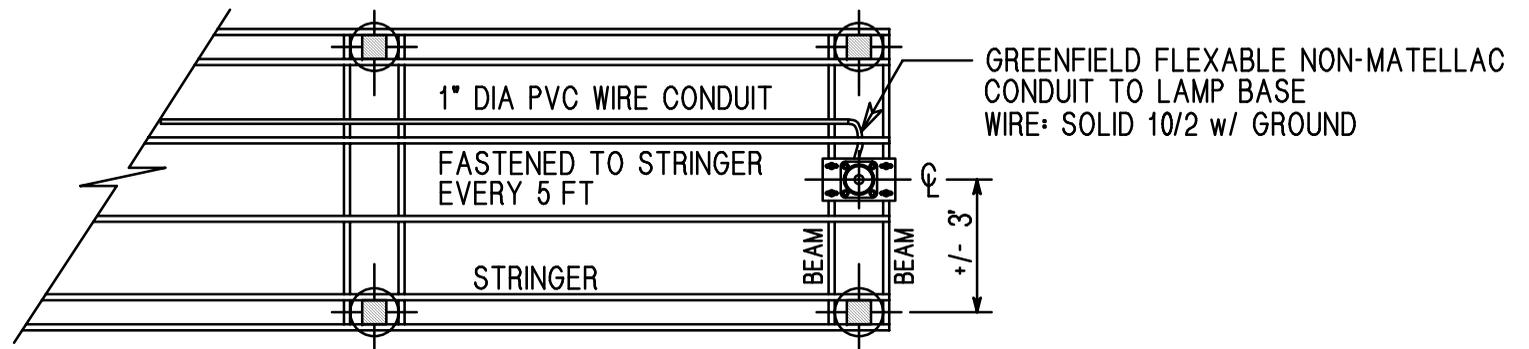
SEVERAL REPAIRS ARE NECESSARY TO THE SOUTHERN MOST 20 FT OF THE 50 FT SLOPING NORTH/SOUTH PIER: LIFTED DECKING, BROKEN OR DAMAGED FASCIA BOARD(s), STRINGER(s), ROTTED X-BRACING AND DAMAGED ELECTRICAL COMPONENTS.

SUGGESTED REPAIR PROCESSES

REMOVE SOUTHERN 20 ft OF GUARDRAIL (2 SECTIONS EACH ON EAST AND WEST SIDE)
 REMOVE 20 ft OF FASCIA BOARDS BOTH SIDES
 REMOVE DECKING
 REMOVE DAMAGED STRINGER(s)
 REMOVE ROTTED X-BRACING (3 SETS OF PILES)
 EXAMINE BEAMS AND REPLACE IF DAMAGED

INSTALL NEW X-BRACING, STRINGERS, JUNCTION BOX, CONDUIT, 10/2 w/GROUND WIRE, DECKING AND FASCIA BOARDS.
 REINSTALL GUARDRAIL SECTIONS AND REPLACE BROKEN OR MISSING PICKETS

REPLACE LAMP POLE ACCESS COVER(s) - 6 PLACES



GREENFIELD FLEXABLE NON-MATELLAC CONDUIT TO LAMP BASE
 WIRE: SOLID 10/2 w/ GROUND

REPLACEMENT LIGHT FIXTURE

WHATLEY by valmont
 19845 U. S. HIGHWAY 76
 NEWBERRY, SC 29108
 803 276-5507

COMPONENTS

TR34-10 COMPOSITE POLE (10')
 TR34-10 ANCHOR BASE (D10)
 MOUNTING PLATE 10" x 16.5" x .5 THK
 HOT DIPPED GALVANIZED FINISH
 BASE COVER (SQUARE MOLDED ABS)
 MOUNTING HARDWARE By OTHERS

LIGHT FIXTURE

LED TYPE V (CIRCULAR) AREA LIGHT
 ALED5T78/PCT
 RAB LIGHTING INC
 170 LUDLOW AVENUE
 NORTHVALE, NJ 07647
 (201) 784-8600

LIGHT FIXTURE AND WIRE COMPONENTS

SCALE - 1/4" = 1'

THIS STRUCTURE MEETS THE REQUIREMENTS of SECTION 1 6 0 9 OF THE 2 0 1 7 FLORIDA BUILDING CODE and ASCE 7-10 FOR BASIC WIND SPEED of 1 3 0 MPH, RISK CATEGORY I, EXPOSURE D. PRESSURE +1 6 . 0, -4 2 . 7. STRUCTURE HAS BEEN DESIGNED FOR LIVE LOADS PER TABLE 1 6 0 7 . 1, DAAY DOCK PIER = 100 # /SF

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TIMBER MATERIAL - PROPOSED REPLACEMENT

ALL TIMBER MATERIAL #1 GRADE or BETTER

PRESSURE TREATMENT:

STRINGERS, X-BRACING, BEAM AND WALER BOARD = 2.5 pcf CCA

ALL OTHER MATERIAL = 0.6 pcf CCA

2 x 10 PT SYP STRINGERS EQUAL SPACING (4 PLACES)

2 x 10 PT SYP X-BRACING

2 x 12 PT SYP FASCIA BOARD - BOTH SIDES OF PIER

3 x 10 PT SYP BEAM BOTH SIDES OF PILE

4 x 12 PT SYP WALER w/ HALF LAP SPLICE @ JOINTS

2 x 6 PT SYP EASED EDGED DECK

FASTEN w/ (2) 3" TYPE 316 SS SCREW @ EACH JOINT

MARINE PILE

12" DIA - 10' +/- EMBEDMENT (JETTED 4' - DRIVEN 6')

REPLACEMENT PILE (IF NECESSARY) TO HAVE HDPE PILE WRAP

12" ABOVE AND BELOW TIDAL RANGE - SS TYPE 316 FASTENERS

PLEASE PROVIDE A BID ALTERNATE ITEM COST FOR PILING REPLACEMENT

IF NECESSARY - MATERIAL, PILE WRAP AND INSTALLATION

FASTENERS

FASTENERS ARE TYPE 316 STAINLESS STEEL UNLESS OTHERWISE SPECIFIED

3/4" DIA 316 SS THREADED ROD w/ NUT & FENDER WASHER

(BOTH SIDES) THROUGH BOLTED - NON DOCKING AREAS

5/8" DIA 316 SS CARRIAGE BOLT, NUT & FENDER WASHER (INSIDE)

C'BORE FASCIA BOARD 1/2" DEEP TO ACCEPT HEAD OF BOLT

ALL EAST and WEST DOCKING FACE SURFACE

SIMPSON MTS12SS 12" LONG HURRICANE TIE w/SS FASTENERS

SIMPSON - DPPC POST CAP - OPTIONAL ALL 6 x 6 POST

DOCK CLEATS - TYPE, QUANTITY AND LOCATION - TBD

ELECTRICAL

CONTRACTOR TO VERIFY THE INTEGRITY OF ALL

ELECTRICAL WIRING AND ASSOCIATED COMPONENTS

SCOPE OF WORK

REBUILD 60 ft +/- OF STORM DAMAGED DAY DOCK

REPLACE DECKING, STRINGERS, X-BRACING, FASCIA and GUARDRAIL PER PLANS AND SPECIFICATIONS. REPLACE ANY DAMAGED BEAMS

REBUILD SOUTH 20 ft +/- OF 50 ft SLOPING PIER

REPLACE DECKING, STRINGERS, X-BRACING, FASCIA, WIRING, CONDUIT AND LIGHT FIXTURE. REPLACE ANY DAMAGED BEAMS. REPAIR GUARDRAIL. SEE SHEET 5 "SLOPING PIER REPAIR" FOR DETAILS

CONFIRM INTEGRITY OF REMAINING PILINGS

CONTACT ARCHITECT OR REPRESENTATIVE WITH ANY QUESTIONS OR CONCERNS.

BIDDERS NOTES:

CONTACT ARCHITECT OR REPRESENTATIVE WITH ANY QUESTIONS OR CONCERNS.

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE THE PROJECT DRAWINGS AND SPECIFICATIONS AND NOTIFY THE REGISTERED ARCHITECT OF RECORD OR REPRESENTATIVE OF ANY DISCREPANCIES.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE REGISTERED ARCHITECT OR REPRESENTATIVE WHEN FRAMING AND 6 x 6 POSTS INSTALLATION IS COMPLETED AND AGAIN WHEN DECKING AND GUARDRAIL INSTALLATION IS COMPLETED.
3. REPAIRS ARE TO BE CONSISTENT WITH THE METHODS AND PRACTICES EXPRESSED IN THESE PLANS. ANY DEVIATION FROM DRAWINGS, SPECIFICATIONS OR NOTES MUST BE APPROVED IN WRITING BY THE REGISTERED ARCHITECT OR REPRESENTATIVE PRIOR TO CHANGE.
4. INSTALL ALL PRODUCTS AND MATERIALS ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS AND CONSTRUCTION INDUSTRY STANDARDS. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER.

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