

STIRLING & WILBUR ENGINEERING GROUP



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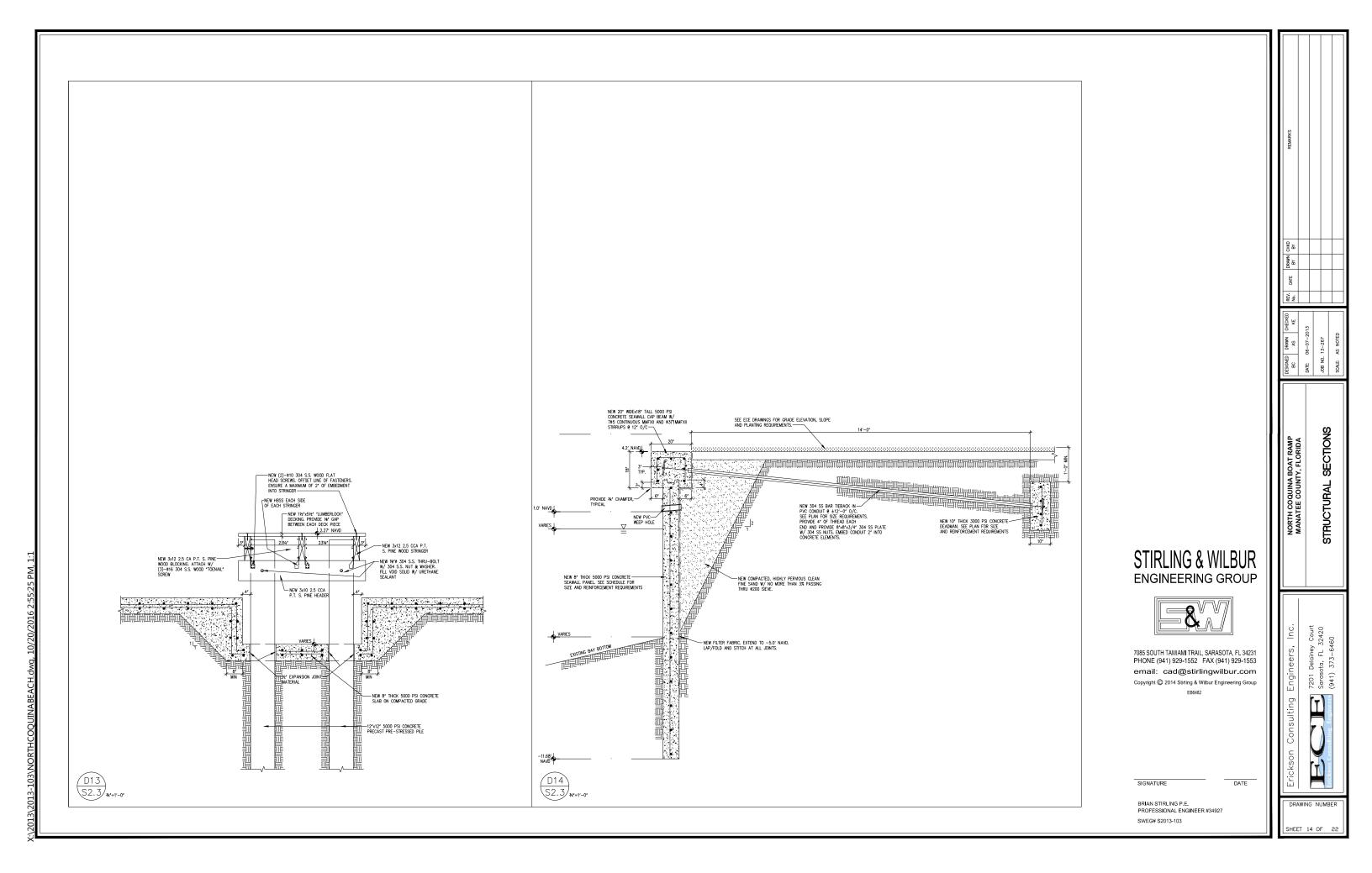
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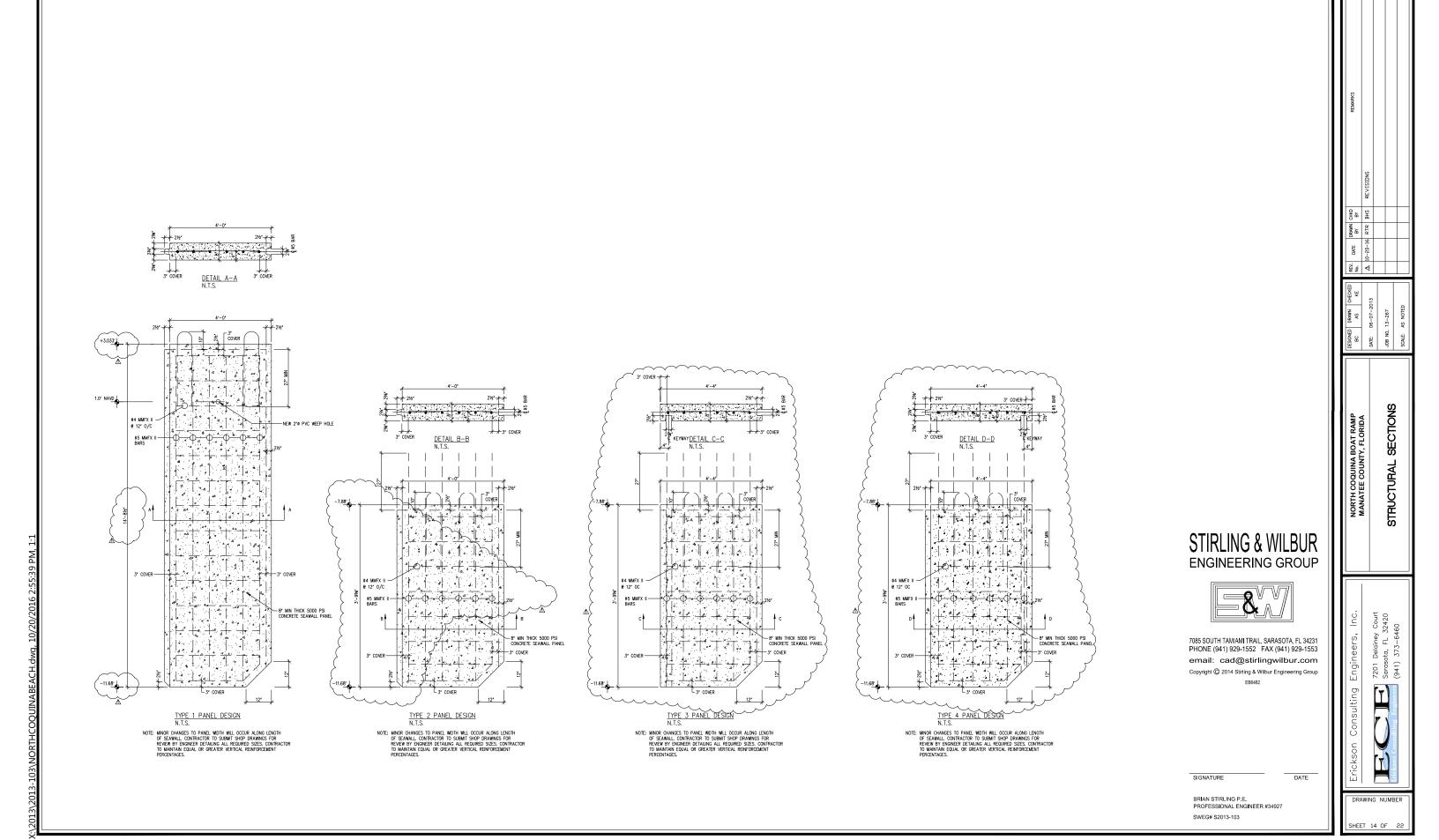
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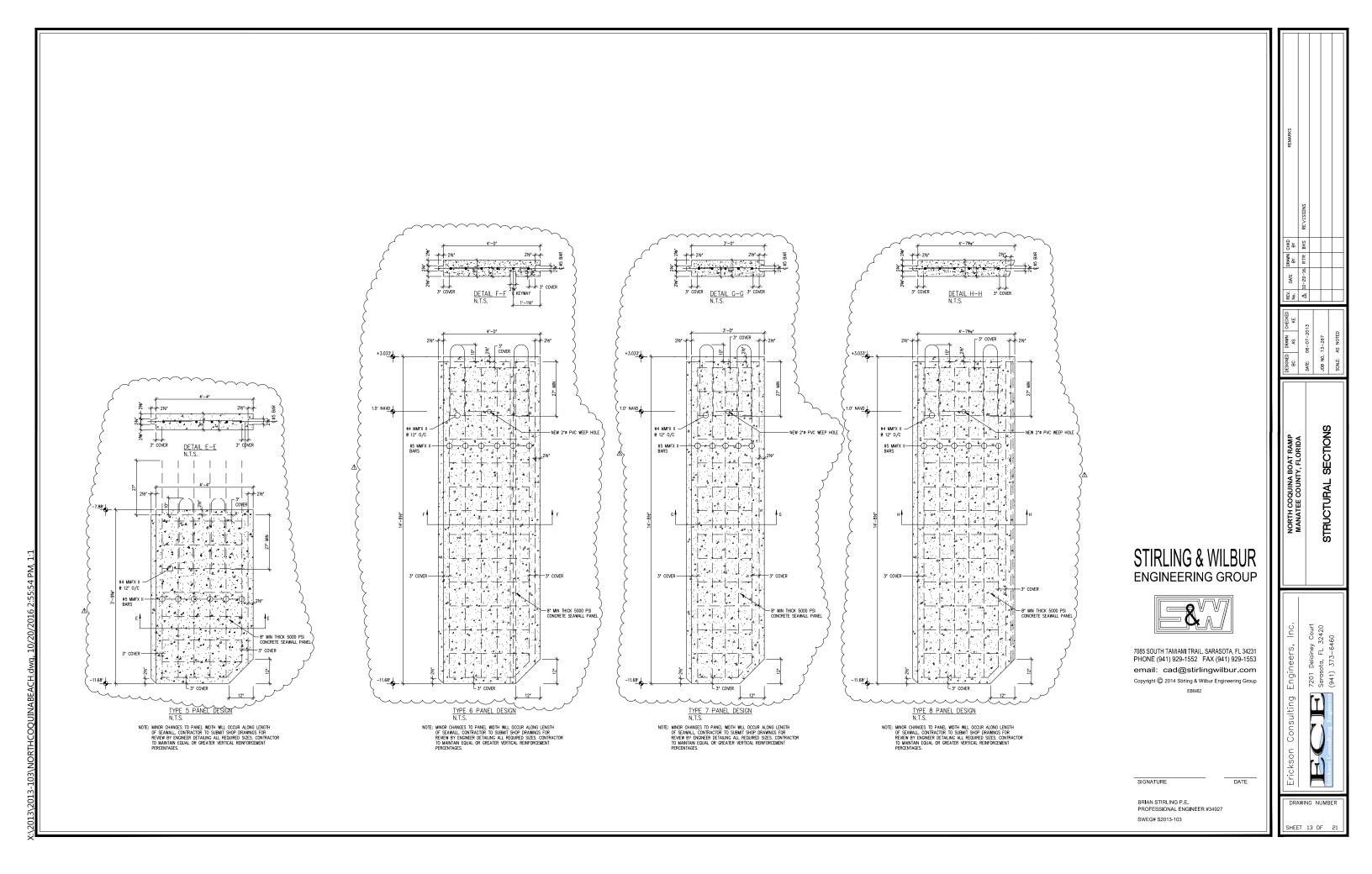
BRIAN STIRLING P.E. PROFESSIONAL ENGINEER #34927 SWEG# S2013-103 ا فِ لِهَا STRUCTURAL SECTIONS 7201 Delainey Court Sarasota, FL 32420 (941) 373-6460

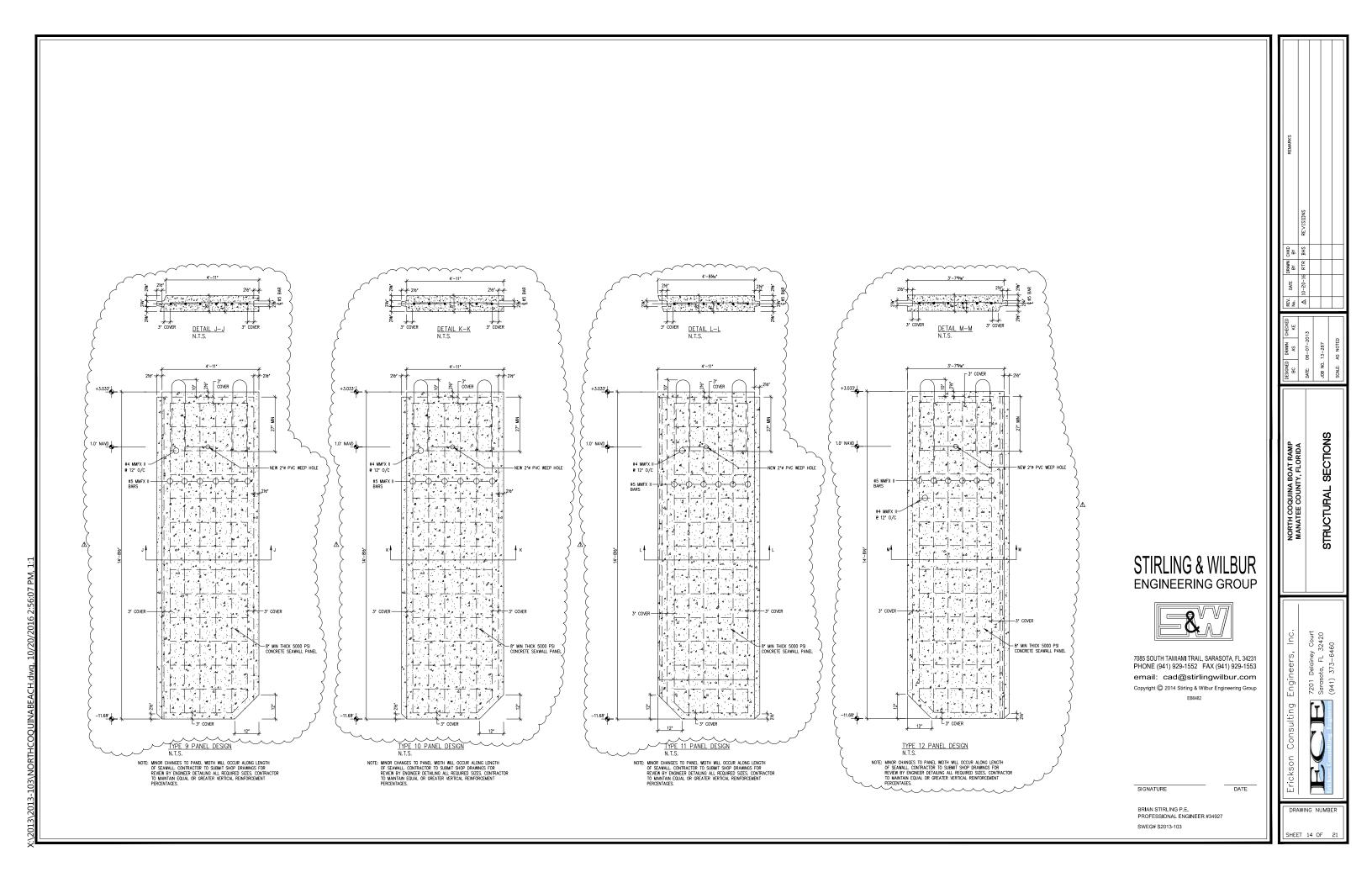
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GENERAL NOTES

THE STRUCTURE DESCRIBED ON THE STRUCTURAL DRAWINGS HAS BEEN DESIGNED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2010 EDITION.

- ALL DIMENSIONS, OTHER THAN PURELY STRUCTURAL DIMENSIONS SHOWN ON THE STRUCTURAL DRAWNOS MUST BE CHECKED AGAINST THE ON SITE CONDITIONS. REPORT ANY DISCREPANCIES TO THE ENGINEER OF RECORD PRIOR TO PROCEEDING WITH THE

- ANY DISCREPANCES TO THE ENGINEER OF PRECIDED PRICE TO PROJECTION WITH THE MORK.

 2. DO NOT SCALE THE DRAMINGS.
 3. NO FROVISION HAS BEEN MADE, IN THE STRUCTURAL DESIGN FOR TEMPORARY CONDITIONS OCCURRENCE DIRING CONSTRUCTION UNLESS SPECIFICALLY NOTICE ON THE STRUCTURAL PROPERTY OF THE STRUCTURAL PROJECT OF THE CONTRACTOR SHALL ASSUME COMPLETE RESPONSIBILITY FOR SUCH MEASURES.

 4. ALL CODES AND STANDARDS REFERRED TO ARE LATEST EDITIONS INCLIDING LATEST REVISIONS AND ADDENDAD.

 5. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING COMPONENTS, NOTED DISTRICTS OF A PROJECT OF THE PREVIOUS AND AVAILABLE AT THE TIME OF THE PREPARATION OF THE PLANS, BUT DO NOT PURPORT OF DE ASSOCIATE CONTRACTOR SHALL VERIFY THE LOCATIONS, ELEVATIONS AND DIMENSIONS OF ALL COMPONENTS. THE CONTRACTOR SHALL ASSOCIATED AND STRUCTURES, AND OTHER FEATURES ARE SHOWN ACCORDING TO THE PLANS, BUT DO NOT PURPORT OF DE ASSOCIATE CONTRACTOR SHALL VERIFY THE LOCATIONS, ELEVATIONS AND DIMENSIONS OF ALL COMPONENTS. THE CONTRACTOR SHALL TAKE ALL RECESSARY PRECAUTIONS DURING DEMOLITION PHASE AS TO. CONTRACTOR SHALL TAKE ALL RECESSARY PRECAUTIONS DURING DEMOLITION PHASE AS TO.
- OTHER FEATURES AFFECTING THIS WORK PRIOR TO PROCEEDING.

 C. CONTRACTOR SHALL TAKE ALL RECESSARY PRECAUTIONS DURING DEMOLITION PHASE AS TO ENSURE THAT THE FOUNDATIONS AND SLABS OF THE STRUCTURES AND SLABS TO REMAIN, ARE NOT UNDERSMIDED OR THAT THE SOL SUPPORT IS NOT COMPROMEST.

 REFER TO PLANS OF EXISTING STRUCTURES IN "GOVERNMENTS" POSSESSION FOR MORE INFORMATION.

 REMOVE AND LEGALLY DISPOSE ALL DEMOLITION DERBIS TO AN APPROVED STL.

 8. EKRIGHER MUST SE CONTACTE AS HOUSER FROM TO EACH POUR OF ANY STRUCTURAL CONCRETE.

 9. DO NOT DISPOSE OF ANY MATERIALS INTO THE WATER.

FOUNDATIONS:

1. BACK FILLING AND COMPACTION:

A. BACK FILL ONLY WITH APPROVED MATERIAL. FOLLOW
BACK FILLING RECOMMENDATIONS OF THE GEOTECHNICAL CONSULTANT IN THE
ABSENCE OF SUCH INFORMATION, AND UNLESS NOTED OTHERWISE, BACK FILL IN 8'
(MAX.) HIGH LIFTS, COMPACTED TO A MINIMUM OF 98X STRANDARD PROCTOR DRY
DENSTY. CONTRACTOR SHALL SUBMIT PROPOSED FILL AND DRAINAGE MATERIAL FOR
REVEN BY FROMBER PRIOR TO COMMENCEMENT OF PROCECT.

CONCRETE NOTES

- ALL CONCRETE MATERIALS BATCHING AND WORKMANSHIP SHALL CONFORM TO THE FOLLOWING:
 ACI 304 CONCRETE PLACED UNDER WATER
 ACI 301 SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS.
 ACI 318 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE
 ASTM C94 READY MIX CONCRETE.

MATERIALS:

- MAILENDALS

 1. CONCRETE MINIMUM COMPRESSIVE STRENGTH(S) FOR CONCRETE SHALL BE AS NOTED ON THE STRENGTURAL PLANS, SLUMP 4" +/- I" WITH A MAXIMUM WATER-TO-CEMENT RATIO OF 0.35, (5,000 PS), OR 6 (5000 PS), PROVIDE FILV ASH SUBSTITUTION TO 202 OF CEMENT CONTENT, ADD 50 LBS OF SLUCK PLANE FROURC VAR OF MATERIAL. IN ALL CONCRETE FROWDE A ADMITURES SHALL COMPORED FROWDE A ADMITURES SHALL COMPORED TO ASTIN CO44 AND SHALL BE USED IN STRET ACCORDANCE WITH THE MAINTACTURERS IN BECCINIS. ADD CORROSION INHIBITOR ADMITURE PER MAINTACTURERS DECOMMENDATIONS.

 2. SUBMIT MUS COSING(S) FOR REVIEW BY THE ENGINEER OF RECORD A MINIMUM OF 7 DAYS PRIOR TO INITIAL CONCRETE POUR.

 3. ALL MID REPROPROFECIENT SHALL BE MMFX 2 REBAR (ASTM A615 GRADE 75 AND ASTM A1035-04).

- REINFORCING STEEL SHALL BE DETAILED, FABRICATIED, PLACED AND SUPPORTED TO CONFORM WITH THE AGD DETAILING MANUAL. ACI SP-66.
 MINIMUM REPROCENCING STEEL LAP SPLICE LISHIFF, INJENS NOTED OTHERWISE, IS 36X BRAY DIMETER.
 PUME STRUCTURAL CONCRETE WITHIN THE FOLLOWING TOLERANCES
- 3. FOUR STRUCTURE (UNDER ET WITH THE FOLLOWING LICENTRICES)
 WARRITON FROM PLUME: 1,4" IN 10"-05.
 WARRITON FROM PLUME: 1,4" IN 10"-05.
 WARRITON FROM PLUME: 1,4" IN 10"-05.
 WARRITON SERVES, CONQUITS; ASTEMERS, ETC. WHERE REQUIRED BY THE DOCUMENTS,
 SHALL BE INSTALLED ON AS NOT 10 MAPAR THE INTEGRATY OF THE STRUCTURE, AND IN A
 MANUER WHICH WILL NOT REQUIRE THE BENDING, CUITING OR DISPLACEMENT OF THE
 RENPROPELEMENT.

- MANNER WHICH MILL NOT REQUIRE. HE BENDING, CUI TING OF UDSTACKMENT OF HIR
 RENIFORCEMENT CONCRETE FILE MAXIMUM TIME PERMITTED BETWEEN BATCHING AND
 DEMOSTRACE FOR WERK IS 90 MINUTES, CONCRETE NOT PLACED WHITHIN THIS TIME
 DEMOSTRACE FOR FILE OF THE PROPERTY OF THE PROPERTY OF THE ADDITION OF MAX WAITER AT THE SITE TO INCREASE THE CONCRETE SLUMP SHALL NOT
 BE ALLOWED AND SHALL BE CAUSE FOR RECEION OF THAT BATCH OF CONCRETE.
 TO PENINGS OR FASTERISR SEQUIRED AFTER CONCRETE PLACEMENT SHALL BE INSTALLED
 ONLY WITH THE APPROVAL OF THE ENGINEER.
 PLACEMENT OF CONCRETE TO BE OF OTHER DELOW WAITER SHALL BE COORDINATED WITH
 MAXIMUM LOW THE PROPERTIES.
 PLACEMENT OF CONCRETE TO BE ADDITED BELOW WAITER SHALL BE COORDINATED WITH
 MAXIMUM LOW THE PROPERTIES.
 CONCRETE RENIFORCEMENT.
 OF CONCRETE SHALL BE WERE LESS OF SUPPORT DEVICES ARE IN CONTACT WITH
 FORMS, PROVIDE SUPPORTS WITH LESS THAT ARE STANLESS STEEL (CRS., CLASS.2).

 11. ALL CONCRETE SHALL BE WET LURBED FOR A MINIMUM OF 3 DAYS.
 12. PROVIDE CONCRETE ISTING OF CONCRETE MATERIAL CONFIRMING DESIGN STRENGTHS.

- PVC:
 TYPE L GRADE I SCHEDULE 40 PVC, CONFORMING TO SECTION 948 OF FDOT 'STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION, 2010'.
- GREASE:
 MEET REQUIREMENTS OF SECTION 3.2.5 OF THE POST TENSIONING INSTITUTE SPECIFICATION
 FOR UNBONDED SINGLE STRAND TENDONS, PER SECTION 451 OF FDOT 'STANDARD
 SPECIFICATIONS FOR RAOD & BRIDGE CONSTRUCTION, 2010'.

- NOLES

 1. Submit to enoneer for reven, complete details and specification of the proposed piles and a written statement describing the equipment to be used.

 2. Instal, Plessydett Piles to 1-18; Mand.

 3. Retresentative, from Ardmann & Associates, inc. to be present during the installation to provide the nocessaye townsering documentation of pile capacities, no structural concerne shall be pound at piles there documentation has not been submitted to the structural enonement for revenil.
- NO STRUCTURAL CONCRETE SHALL BE POURD AT PLES WHERE DOCUMENTATION HAS NOT BEEN SUBMITTED THE STRUCTURAL EXEMPTER FOR REVEW.

 4. REMOVE EXISTING DOOK STRUCTURE, SEAWALL, RAMP, PLUMBING, AND ELECTRICAL COMPONENTS AND DISPOSE OF LEGALLY.

 5. THE DOOK WAS DESIGNED TO CARRY A LIVE LOAD OF 40 PS?

 6. PROVIDE THE FOLLOWING WISCELLANEOUS ACCESSORIES, PROVIDE PRODUCT DATA SHEET FOR OWNER REVIEW AND ACCEPTANCE PRIOR TO PURCHASE AND INSTALLATION, ALL ATTACHMENT FASTERES SHALL BE OF STANLESS STEEL MATERIAL. (CONICAR PLING CAPS, 1954 OLEANIO, STAILATION, THE ATTACHMENT FASTERES SHALL BE OF STAINLESS STEEL AS MANUFACTURED BY "SIETEPH," CONNOTE BETTER BHANDS, FEET TO HIGHLAND SHOKES BOAT RAMP FACULTY AT 3355 SHORE DRIVE, ELLENTON FLORIAL) PROVIDE W' DEEP X W' WINC GROOVES IN RAMP SIAGA AT X' O/C. TEXTURE IS A MINUMUM PROFILE. CONTRACTOR TO PROVIDE W' DEEP X W' WINC GROOVES IN RAMP SIAGA AT X' O/C. TEXTURE IS A MINUMUM PROFILE. CONTRACTOR TO PROVIDE WAS AND METHODOS OF TEXTURE INSTALLATION VI BIO. ALL TITLUS SHALL BE IN BASE BIO, HOWEVER, SINCE SPECIFIED MODIES HAVE.

 AND THE SHALL BE IN BASE BIO, HOWEVER, SINCE SPECIFIED MODIES HAVE.

 WITH SAID ALLOWANCE WITH BIO.

 WITH SAID ALLOWANCE WITH BIO.

 TO CONTRACTION TO ADHRETE OT HE FOLLOWING INSTALLATION TOLERANCES:

 A CONCRETE SHEET FILE. OUT OF THAT PLUMPNESS— W' IN 4.

 C. STRACHTHISS OF CONCRETE SHEETINE LIVE—W' IN 4.

 D. TOP OF SHEETINEL COUT OF THAT PLUMPNESS— WITH A V.

 B. FILTER FABRIC SHALL CONFORM TO FDOT SPECIFICATION STANDARD INDEX 199, US 230 (MOVEN).

FRAMING NOTES:

- TAXAMING, NULLS:

 1. CONNECTIONS, MATERIALS AND WORKMANSHIP SHALL BE IN STRICT ACCORDANCE WITH CHAPTER 17, WOOD CONSTRUCTION, OF THE MOST RECENT STANDARD BUILDING CODE AND THE TIMBER CONSTRUCTION MANUAL BY THE MATIONAL FOREST PRODUCTS ASSOCIATION (NFPA) OR SOUTHERN PINE INSPECTION BUREAU (SPIB), MOSTINEC CONTENT SHALL NOT BE MORE HAN 198 AT THE TIME OF MICROPROSHOM NIOT STRUCTURES.

 2. ALL STRINGER MATERIAL SHALL BE 81 SOUTHERN PINE FRAMING (UNLESS NOTED OTHERWSE), AS DESCRIBED IN THE SPIRE GRADURS RULES.
- 3. IF STANDARDS FOR WOOD PRODUCTS TREATMENT IS NOT CONSISTENT W/ THE FOLLOWING, THE LATEST

- 2. IN THE SPIB GRANDIC RULES.

 1. IF STANDARDS FOR WOOD PRODUCTS TREATMENT IS NOT CONSISTENT W/ THE FOLLOWING, THE LATEST STANDARDS MLL PREVAIL.

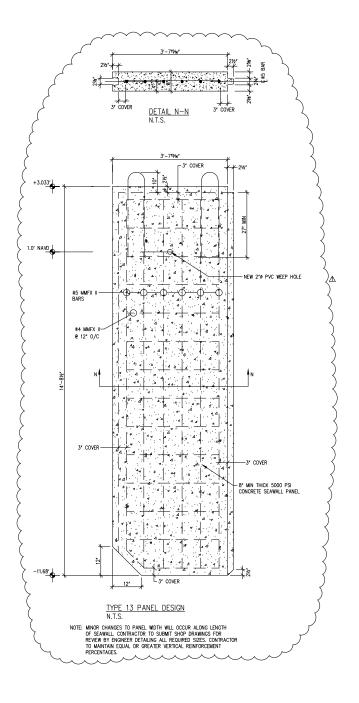
 1. FORCES FOR PRESERVATIVE TREATMENT IS NOT CONSISTENT W/ THE FOLLOWING, THE LATEST STANDARDS MLL PREVAIL.

 1. PROCESS FOR PRESERVATIVE TREATMENT SHALL BE IN CONFORMANCE TO THE AMERICAN WOOD PRESERVER'S ASSOCIATION (AWPA) STANDARDS C2-90, C9-91, AND C18-91.

 1. THE PURPOSAGE, INSPECTION, AND HANDLING OF ALL NEW WOOD MATERIAL SHALL BE IN CONFORMANCE W/ THE APPLICABLE SECTIONS OF THE AWPA STANDARDS MI, M2, AND ML, LATEST EDITION.

 1. THE CONTRACTOR SHALL PROWING A LETTER SPIR FORM AN EXPERIENCED INSPECTION, OUTLINED THE RESPECTIVE FIELD, THAT THE WOOD PRODUCTS, PRESERVATIVES, AND THEATHEN, HE SECRICATIONS AND THAT THE FIRE SPIR SHALL PROPERTY OF A LIBERTY OF THE STANDARD STANDAR

- All Dimensions shown on the Plan Shall be field verified prior to Fabrication/Erection.
 All Eastener Holes Shall be pre-drilled and treated prior to installation of Fasteners



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NEW SHEET

SIGNATURE

BRIAN STIRLING P.E. PROFESSIONAL ENGINEER #34927 SWEG# S2013-103

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