

REVISIONS:	DATE
#1	12-29-2016

REVISION LOG.

ARCHITECTURAL

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STRUCTURAL

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MECHANICAL

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ELECTRICAL

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SCHEDULE OF DRAWINGS

ARCHITECTURAL

SHEET #	TITLE
A-1	SITE PLAN, INDEX, REVISION LOG, PROJ. INFORMATION
A-2	FULL DOCK EXTENSION PLAN & ELEVATIONS
A-3	DOCK EXTENSION PLAN S& ELEVATIONS
A-4	FRAMING PLAN & ADA DETAILS
A-5	M.E.P. AND FIRE SAFETY & SPECS.
A-6	ENVIRONMENTAL SPECS / GENERAL SPECS.

STRUCTURAL

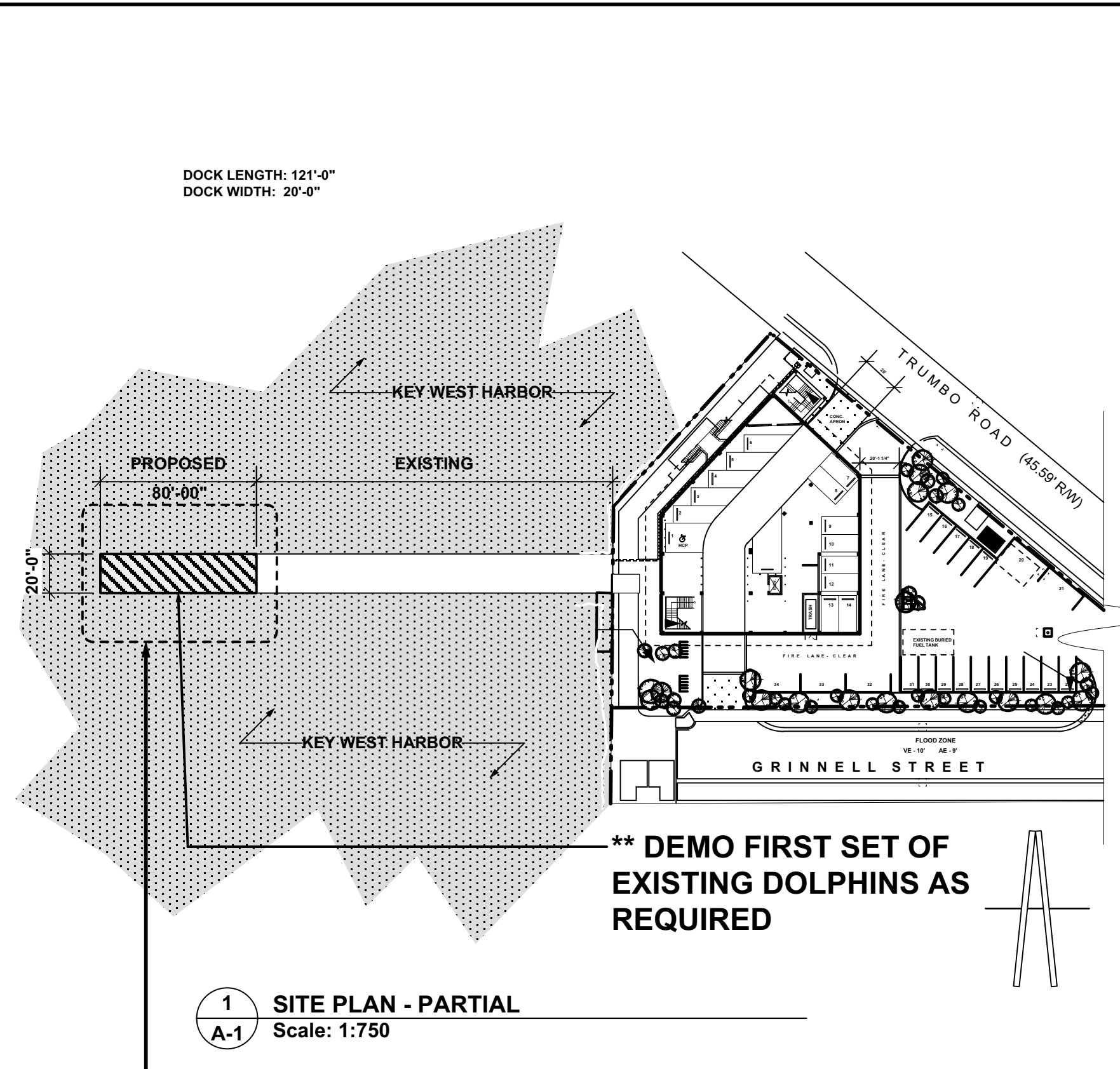
SHEET #	TITLE
S-1	DRAWING INDEX GENERAL NOTES
S-2	SITE PLAN
S-3	PILE LAYOUT AND BENT FRAMING PLAN
S-4	PS SLAB FRAMING PLAN AND DETAILS
S-5	GENERAL SECTIONS
S-6	SECTIONS AND DETAILS
S-7	TYPICAL PILE CAP REINFORCING
S-8	GRID 12 PILE CAP REINFORCING
S-9	GRID 16 PILE CAP REINFORCING
S-10	PRESTRESSED BEAMS REINFORCEMENT (N.I.)
S-11	WOOD FENDER PILES AND DOLPHINS

MECHANICAL

SHEET #	TITLE

ELECTRICAL

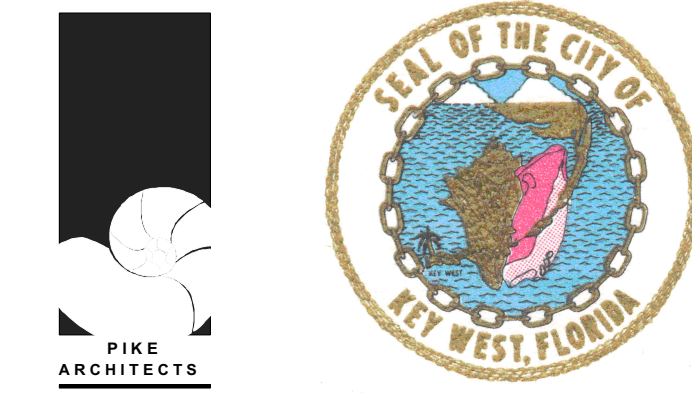
SHEET #	TITLE
E-1	ELECTRICAL PLAN
E-2	SCHEDULES & RISER DIAGRAMS



SCOPE OF WORK:
CONSTRUCT 20'W X 80' CONCRETE
EXTENSION OF EXISTING DOCK FOR
FERRY PASSENGER EMBARKMENT
& DISEMBARKMENT

NEW EMBARKMENT / DISSEMBARKMENT RAMP EXTENSION

KEY WEST BIGHT
FERRY TERMINAL
 100 GRINNELL STREET
 KEY WEST, FLORIDA



ARCHITECT : PIKE ARCHITECTS

471 U.S. HWY. 1, SUITE 101, KEY WEST
 FLORIDA 305-296-1692

STRUCTURAL ENGINEERING : M. CORDERO & ASSOCIATES CA 6278
 MARCO A. CORDERO: LIC. # 038586
 1227 LAKE MIRIAM DRIVE, LAKE LAND, FLA. 33813 863-646-6277

CERTIFICATE OF COMPLIANCE

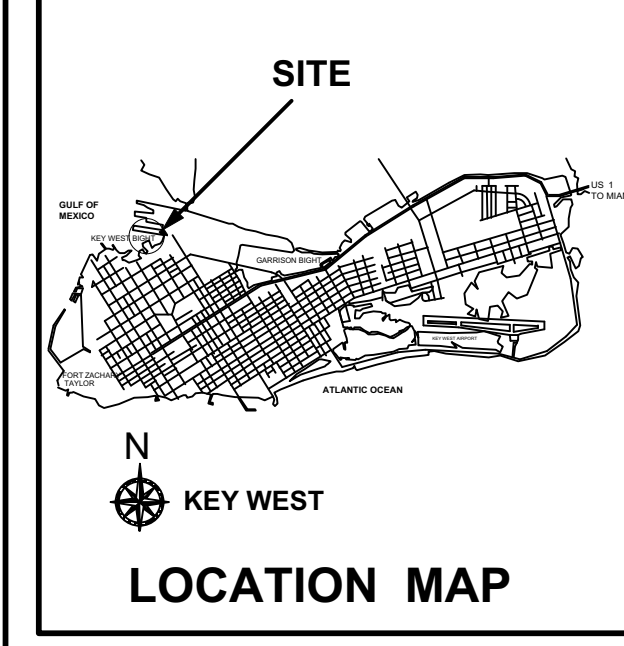
THIS IS TO CERTIFY THAT I AM A DULY QUALIFIED ARCHITECT LICENSED TO PRACTICE IN THE STATE OF FLORIDA. IT IS FURTHER CERTIFIED THAT I HAVE REVIEWED THE DESIGN, SPECIFICATIONS AND PLANS FOR THE COMMERCIAL STRUCTURE PROPOSED FOR CONSTRUCTION AT 100 GRINNELL STREET, KEY WEST, FLORIDA, AND IS IN COMPLIANCE WITH THE ORDINANCE ADOPTED BY THE CITY OF KEY WEST, MONROE COUNTY NO. 87-17 REGARDING COASTAL CONSTRUCTION REQUIREMENTS IN THE CITY OF KEY WEST, IN THAT THE STRUCTURE IS DESIGNED ON ADEQUATELY ANCHORED PILING OR COLUMNS AND IS SECURELY ANCHORED TO SAME IN ORDER TO WITHSTAND VELOCITY WATERS AND HURICANE WAVE WASH ASSOCIATED WITH THE BASE FLOOD FLOW. LOWEST FINISHED FLOOD ELEVATION- VE 10' N.G.V.D.

SEAL

DATE _____
 SIGNATURE _____

LEGAL DESCRIPTION: RE: -

A parcel of Submerged land lying and being in Section 31, Township 68 South Range 25 East, Island of Key West, Monroe County, Florida, and a part of Key West Bight and being more particularly described as follows: Commencing at the intersection of the Northwesterly Right-of-Way Line of Caroline Street and the Southwesterly Right-of-Way Line of Grinnell Street; thence N 33° 50' 50" W, along the said Southwesterly Right-of-Way Line of William Street a distance of 351.85 feet to the seaward face of a concrete seawall lying on the Key West Bight and the Point of Beginning; thence continue N 33° 58' 50" W along the Northerly extension of the Southwesterly Right-of-Way Line of Grinnell Street for 431.59 feet to the federally Maintained Shipping Channel Line; thence S 86° 27' 30" E and along the said Federally Maintained Shipping Channel Line for a distance of 439.01 feet; thence N 05° 58' 10" E for 156.10 feet; thence N 84° 01' 50" W for 40.00 feet; thence N 05° 58' 10" E for 145.04 feet; thence S 82° 58' 21" E for 106.23 feet to the Approximate Mean High Water Line (Elev. 0.92 N.G.V.D., 1929); thence meander the said Mean High Water Line in a Southerly direction for 558.2 feet, more or less to the face a Concrete Seawall; thence N 81° 29' 40" W along the said concrete seawall for a distance of 112.13 feet, more or less; thence S 56° 50' 27" W and continuing along the face of the concrete seawall for 151.65 feet to the Point of Beginning. Parcel contains 134125 square feet or 3.08 acres, more or less.



PROJECT APPROVALS:

ITEM	APPROVAL #	DATE
DEVELOPMENT REVIEW COMMITTEE	-	-
H.A.R.C.	-	-
BOARD OF ADJUSTMENT	-	-
CITY OF KEY WEST DEVELOPEMENT AGREEMENT	-	-
KEY WEST BIGHT BOARD	-	-

NOTES:

ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE ARCHITECT/ENGINEER AND MUST BE RETURNED ON REQUEST. DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE FOR USE ON THIS PROJECT ONLY AND USE OR REPRODUCTION OF A PART OR WHOLE IS FORBIDDEN WITHOUT THE ARCHITECT'S/ENGINEER WRITTEN PERMISSION. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNTIL SEALED AND SIGNED BY THE ARCHITECT/ENGINEER.

DESIGN NOTES:

THIS STRUCTURE DESIGNED TO MEET THE FOLLOWING
 FBC 2014
 A.S.C.E. 24-05 REGULATIONS
 LIVE LOAD SEE STRUCTURALS
 WIND LOAD SEE STRUCTURALS

ARCHITECT SEAL
 PETER PIKE

PIKE ARCHITECTS
 ARCHITECTS
 PLANNERS
 CONSULTANTS

471 US HIGHWAY #1
 SUITE 101
 KEY WEST, FLA. 33040
 305-296-1692

For Permitting Only Not For Construction

PROJECT:
 EXTENDED
 NEW EMBARKMENT / DISSEMBARKMENT RAMP
 KEY WEST BIGHT
 FERRY TERMINAL

DRAWING TITLE:
 SITE PLAN /
 PROJECT NOTES
 PROJECT CALCS.

PROJECT NUMBER:
 16.23
 DRAWN: KM/TSN
 CHECKED: PMP
 DATE: 09-19-2016

SHEET #
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REVISIONS:	DATE
#1	12-29-2016

PIKE ARCHITECTS
 ARCHITECTS
 PLANNERS
 CONSULTANTS

471 US HIGHWAY #1
 SUITE 101
 KEY WEST, FLA. 33040
 305-296-1692

FOR PERMITTING ONLY - NOT FOR CONSTRUCTION

PROJECT:
 EXTENDED
 NEW EMBARKMENT / DISSEMBARKMENT RAMP
 KEY WEST BIGHT
 FERRY TERMINAL

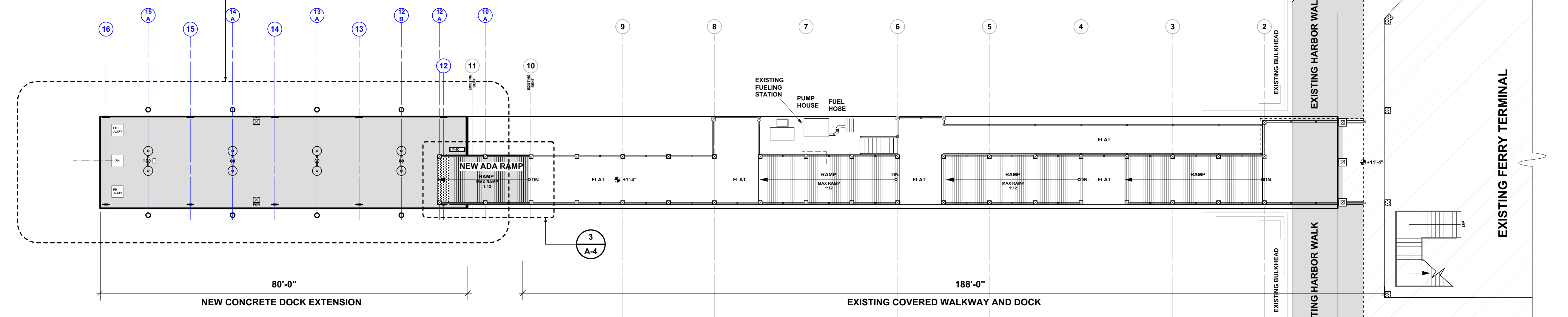
DRAWING TITLE:
 FULL DOCK EXTENSION
 PLAN & ELEVATION

PROJECT NUMBER: 16.23
 DRAWN: KM/TSN
 CHECKED: PMP
 DATE: 09-19-2016

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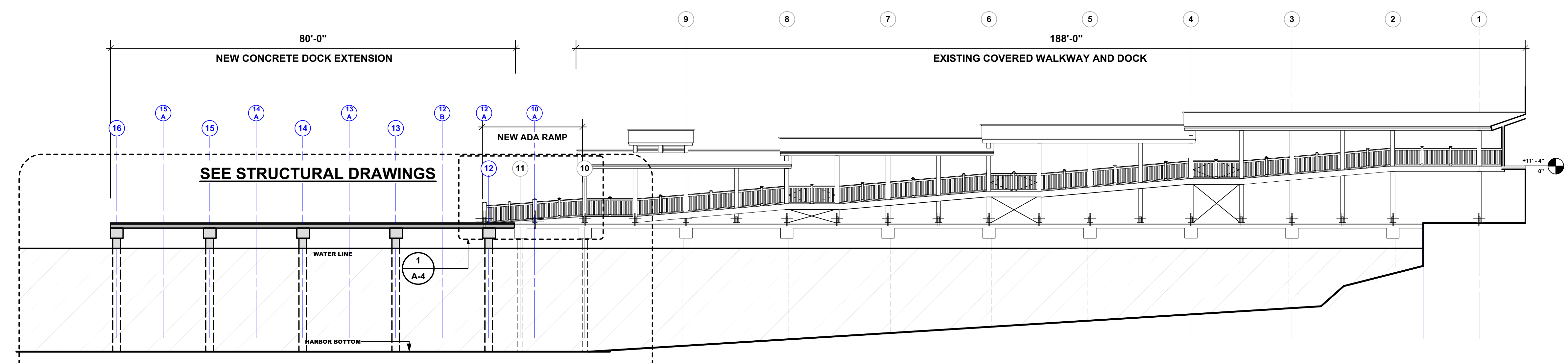
SEE STRUCTURAL DRAWINGS

KEY WEST BIGHT HARBOR



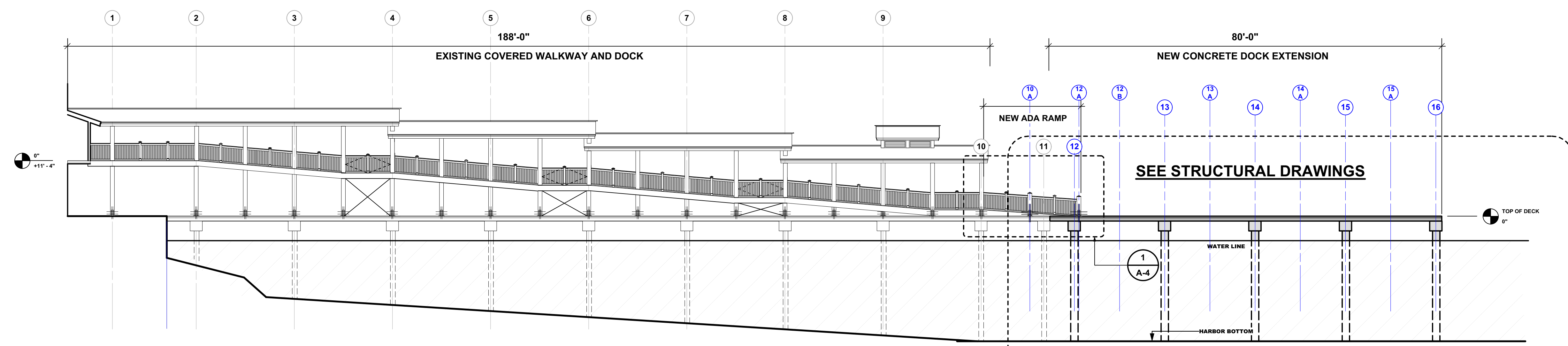
1 FULL DOCK PLAN
 Scale: 1:150

KEY WEST BIGHT HARBOR



2 FULL DOCK SOUTH ELEVATION
 Scale: 1:150

SEE STRUCTURAL DRAWINGS



3 FULL DOCK NORTH ELEVATION
 Scale: 1:150

SEE STRUCTURAL DRAWINGS



PETER M. PIKE FLA. REGISTRATION # AR0015198

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PIKE ARCHITECTS
 ARCHITECTS
 PLANNERS
 CONSULTANTS

471 US HIGHWAY #1
 SUITE 101
 KEY WEST, FLA. 33040
 305-296-1892

PROJECT: EXTENDED NEW EMBARKMENT / DISSEMBARKMENT RAMP KEY WEST BIGHT FERRY TERMINAL

DRAWING TITLE: DOCK EXTENSION PLAN & ELEVATION

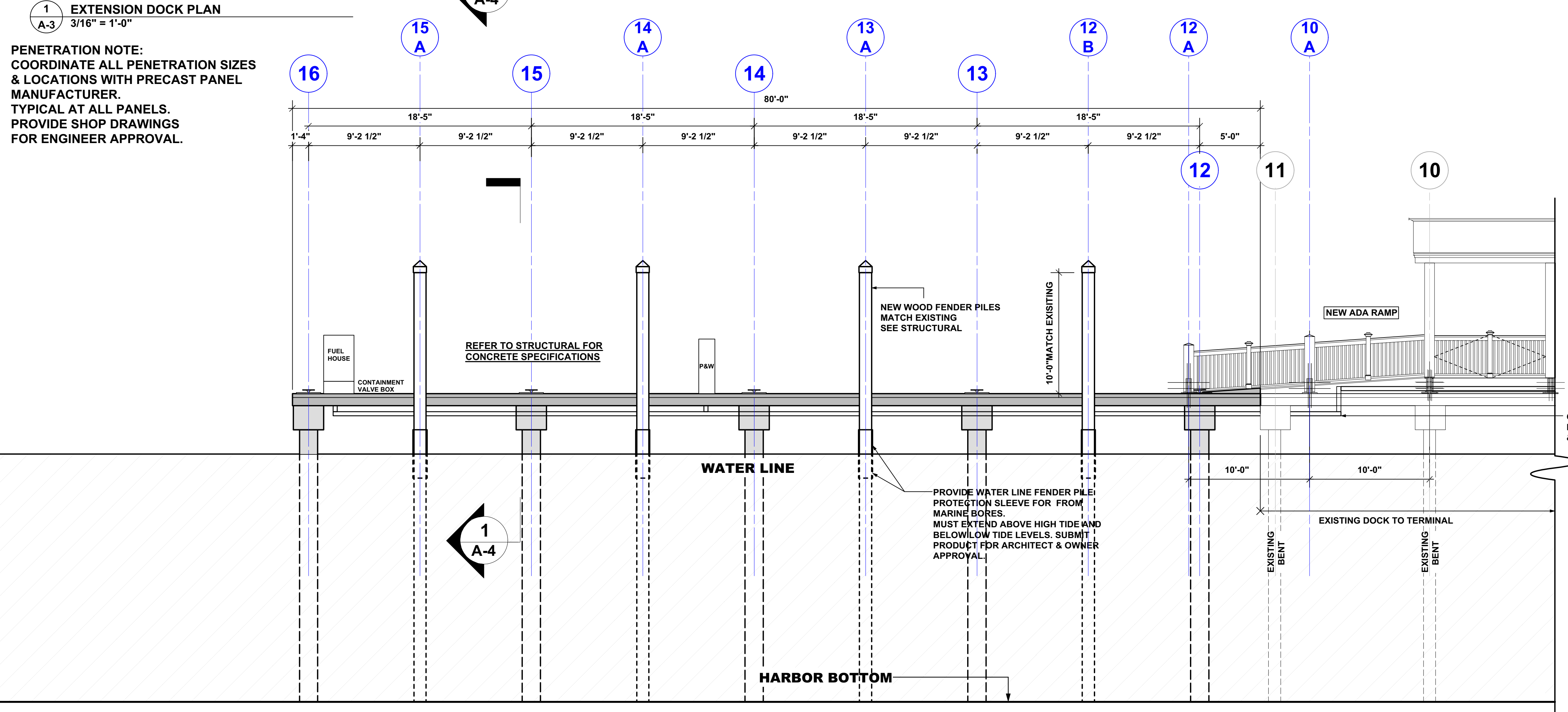
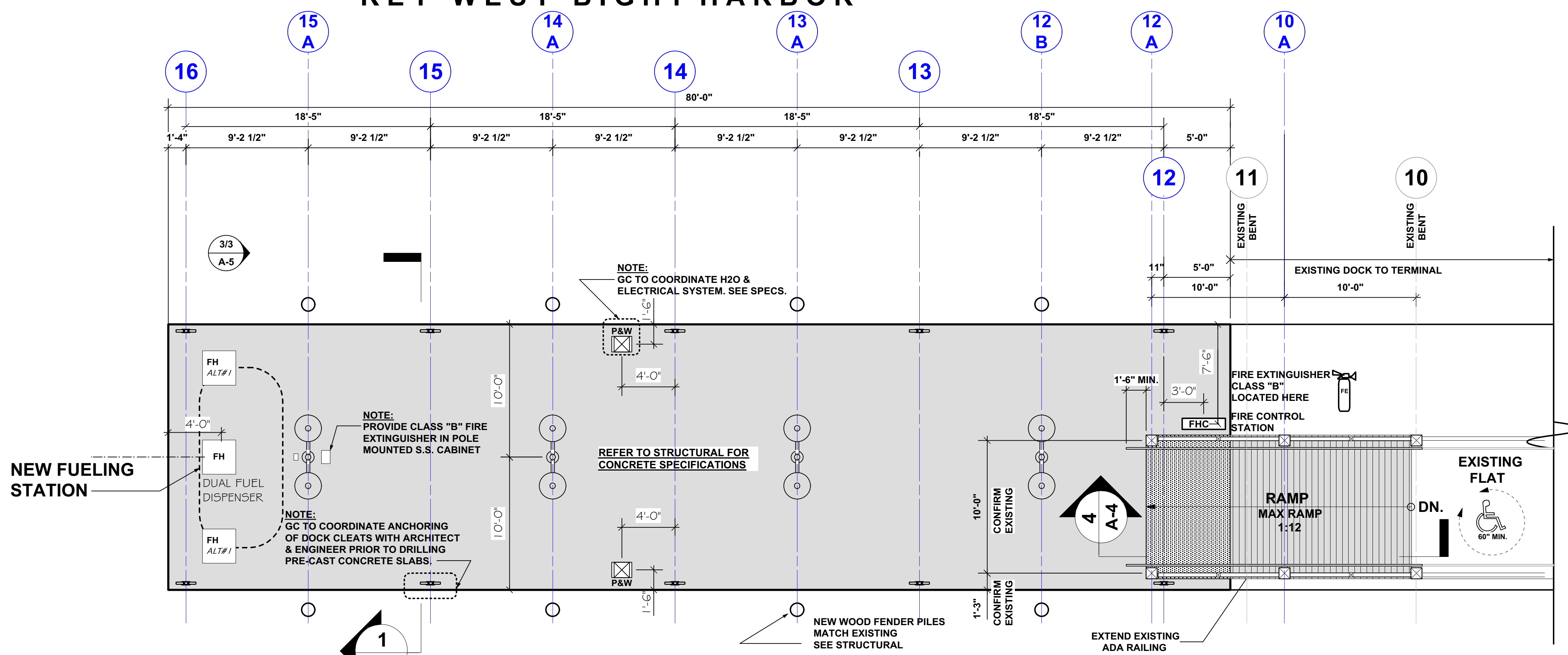
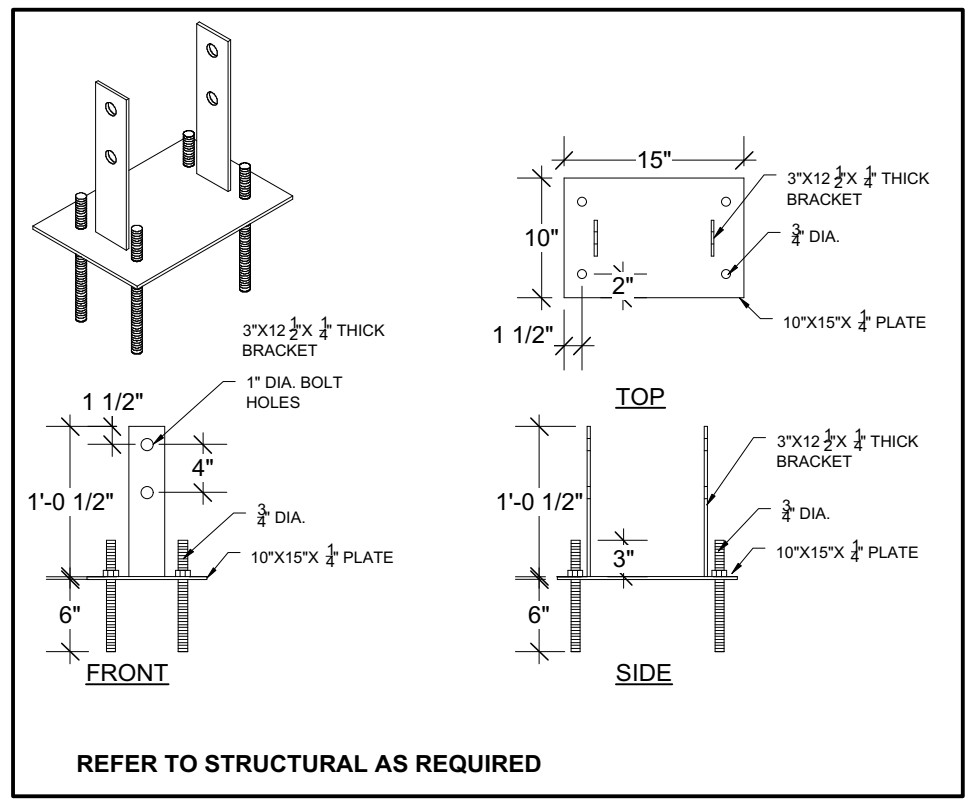
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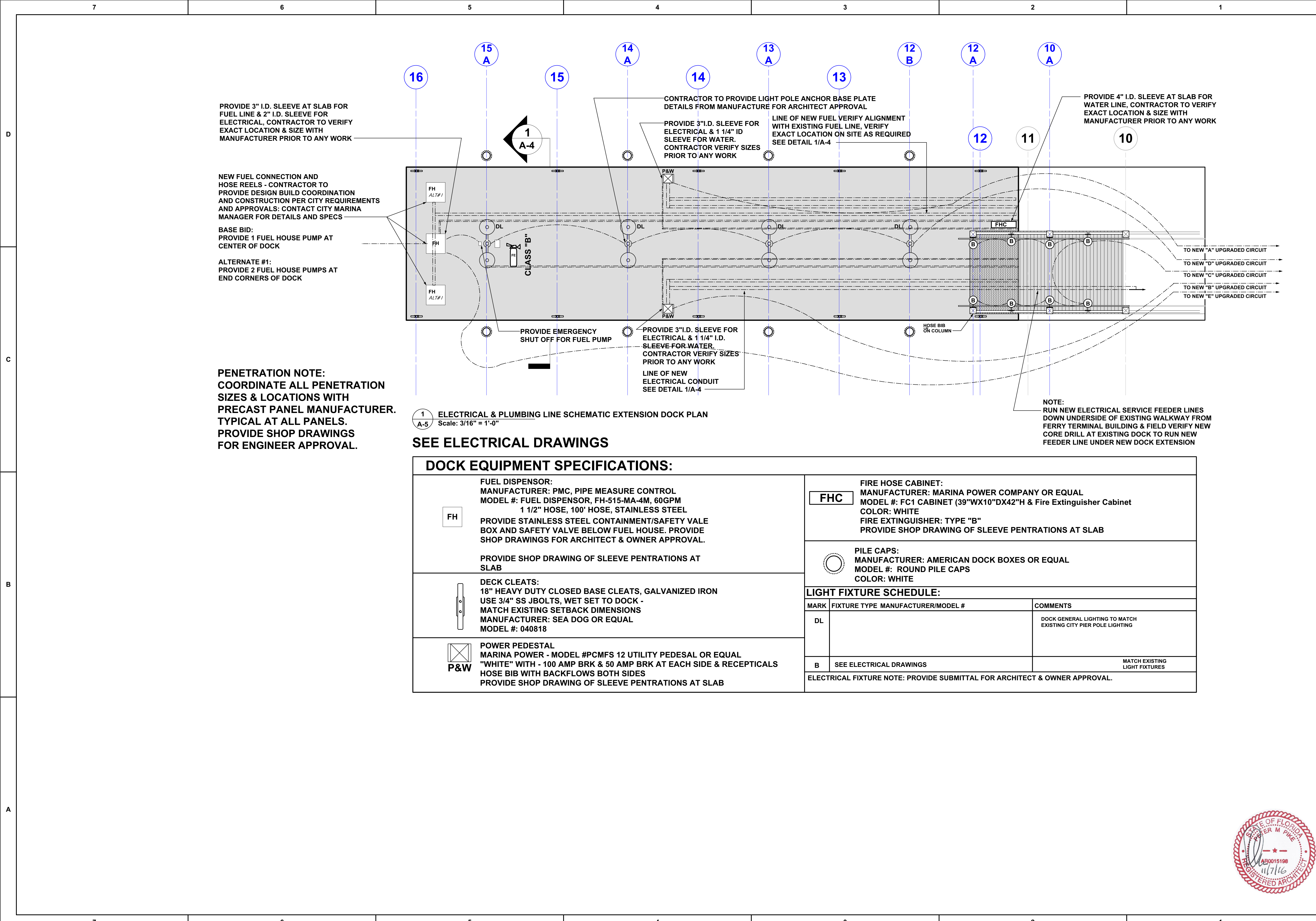
SHEET #
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PETER M. PIKE FLA. REGISTRATION # AR0015198

KEY WEST BIGHT HARBOR





PROVIDE 3" I.D. SLEEVE AT SLAB FOR FUEL LINE & 2" I.D. SLEEVE FOR ELECTRICAL, CONTRACTOR TO VERIFY EXACT LOCATION & SIZE WITH MANUFACTURER PRIOR TO ANY WORK

NEW FUEL CONNECTION AND HOSE REELS - CONTRACTOR TO PROVIDE DESIGN BUILD COORDINATION AND CONSTRUCTION PER CITY REQUIREMENTS AND APPROVALS: CONTACT CITY MARINA MANAGER FOR DETAILS AND SPECS

BASE BID: PROVIDE 1 FUEL HOUSE PUMP AT CENTER OF DOCK

ALTERNATE #1: PROVIDE 2 FUEL HOUSE PUMPS AT END CORNERS OF DOCK

PENETRATION NOTE:
COORDINATE ALL PENETRATION SIZES & LOCATIONS WITH PRECAST PANEL MANUFACTURER. PROVIDE SHOP DRAWINGS FOR ENGINEER APPROVAL.

1 ELECTRICAL & PLUMBING LINE SCHEMATIC EXTENSION DOCK PLAN
A-5 Scale: 3/16" = 1'-0"

SEE ELECTRICAL DRAWINGS

DOCK EQUIPMENT SPECIFICATIONS:														
FH	<p>FUEL DISPENSOR: MANUFACTURER: PMC, PIPE MEASURE CONTROL MODEL #: FUEL DISPENSOR, FH-515-MA-4M, 60GPM 1 1/2" HOSE, 100' HOSE, STAINLESS STEEL</p> <p>PROVIDE STAINLESS STEEL CONTAINMENT/SAFETY VALE BOX AND SAFETY VALVE BELOW FUEL HOUSE. PROVIDE SHOP DRAWINGS FOR ARCHITECT & OWNER APPROVAL.</p> <p>PROVIDE SHOP DRAWING OF SLEEVE PENETRATIONS AT SLAB</p>	<p style="text-align: center;">FHC</p> <p>FIRE HOSE CABINET: MANUFACTURER: MARINA POWER COMPANY OR EQUAL MODEL #: FC1 CABINET (39"WX10"DX42"H & Fire Extinguisher Cabinet COLOR: WHITE FIRE EXTINGUISHER: TYPE "B" PROVIDE SHOP DRAWING OF SLEEVE PENETRATIONS AT SLAB</p>												
DL	<p>DECK CLEATS: 18" HEAVY DUTY CLOSED BASE CLEATS, GALVANIZED IRON USE 3/4" SS JBOLTS, WET SET TO DOCK - MATCH EXISTING SETBACK DIMENSIONS MANUFACTURER: SEA DOG OR EQUAL MODEL #: 040818</p>	<p style="text-align: center;">○</p> <p>PILE CAPS: MANUFACTURER: AMERICAN DOCK BOXES OR EQUAL MODEL #: ROUND PILE CAPS COLOR: WHITE</p>												
P&W	<p>POWER PEDESTAL MARINA POWER - MODEL #PCMFS 12 UTILITY PEDESAL OR EQUAL "WHITE" WITH - 100 AMP BRK & 50 AMP BRK AT EACH SIDE & RECEPTALS HOSE BIB WITH BACKFLOWS BOTH SIDES PROVIDE SHOP DRAWING OF SLEEVE PENETRATIONS AT SLAB</p>	<p>LIGHT FIXTURE SCHEDULE:</p> <table border="1"> <thead> <tr> <th>MARK</th> <th>FIXTURE TYPE</th> <th>MANUFACTURER/MODEL #</th> <th>COMMENTS</th> </tr> </thead> <tbody> <tr> <td>DL</td> <td></td> <td></td> <td>DOCK GENERAL LIGHTING TO MATCH EXISTING CITY PIER POLE LIGHTING</td> </tr> <tr> <td>B</td> <td>SEE ELECTRICAL DRAWINGS</td> <td></td> <td>MATCH EXISTING LIGHT FIXTURES</td> </tr> </tbody> </table> <p>ELECTRICAL FIXTURE NOTE: PROVIDE SUBMITTAL FOR ARCHITECT & OWNER APPROVAL.</p>	MARK	FIXTURE TYPE	MANUFACTURER/MODEL #	COMMENTS	DL			DOCK GENERAL LIGHTING TO MATCH EXISTING CITY PIER POLE LIGHTING	B	SEE ELECTRICAL DRAWINGS		MATCH EXISTING LIGHT FIXTURES
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DL			DOCK GENERAL LIGHTING TO MATCH EXISTING CITY PIER POLE LIGHTING											
B	SEE ELECTRICAL DRAWINGS		MATCH EXISTING LIGHT FIXTURES											

NOTE:
RUN NEW ELECTRICAL SERVICE FEEDER LINES DOWN UNDERSIDE OF EXISTING WALKWAY FROM FERRY TERMINAL BUILDING & FIELD VERIFY NEW CORE DRILL AT EXISTING DOCK TO RUN NEW FEEDER LINE UNDER NEW DOCK EXTENSION

PIKE ARCHITECTS
ARCHITECTS
PLANNERS
CONSULTANTS

4771 US HIGHWAY #1
SUITE 101
KEY WEST, FLA. 33040
305-296-1692

PROJECT: EXTENDED
NEW EMBARKMENT / DISSEMBARKMENT RAMP
KEY WEST BIGHT
FERRY TERMINAL

DRAWING TITLE:
DOCK
ELECTRICAL PLAN

PROJECT NUMBER: 16.23
DRAWN: KM/TSN
CHECKED: PMP
DATE: 09-19-2016

SHEET #
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OF 6



For Permitting Only Not For Construction

PETER M. PIKE FLA. REGISTRATION # AR0015198

ENVIRONMENTAL NOTES AND SPECIFICATIONS

Environmental Notes:

- The Contractor shall review environmental requirements of any proposed staging areas with the Miami Dade County Project Engineer (INSERT PROJECT ENGINEER NAME & NUMBER) at least seventy-two (72) hours prior to use.
- No staging or any other activities for this project will be allowed within or adjacent to Key West Bight, seagrass beds, or mangroves except as explicitly shown on the Contract Plans and permitted by the regulatory agencies.
- Mangroves exist along the shoreline along Trumbo Road. Any trimming or disturbance to mangroves shall comply with Sec 403.9321-9333 F.S., "Mangrove Trimming and Preservation Act"; A Professional Mangrove Trimmer, designated per 403.9329 F.S., shall be present on site throughout the duration of all mangrove trimming or disturbance activities. The Contractor shall coordinate with the Miami Dade County Project Engineer (LAP AGENCY TO INSERT NAME AND NUMBER FOR REPRESENTATIVE) at least seventy-two (72) hours in advance to obtain approval for these activities.
- This project is within the Florida Keys National Marine Sanctuary, which is designated as Outstanding Florida Waters (OFW). The project must comply with the turbidity requirements of the OFW designation including: no degradation of water quality; no increased turbidity of the water; and turbidity levels beyond the turbidity control measures cannot exceed 0 Nephelometric Turbidity Units (NTUs) above background levels.
- The following Federal and State listed animal species could inhabit or migrate through the construction area: West Indian manatee (endangered), piping plover (threatened), marine turtles (endangered), smalltooth sawfish (endangered), roseate tern (threatened) and American crocodile (threatened). The Contractor shall comply with all Federal and State requirements regarding endangered and threatened species and State listed species of special concern. Should these species be encountered, the Contractor shall contact the Miami Dade County Project Engineer (INSERT PROJECT ENGINEER NAME & NUMBER) within 24 hours of each encounter.

General Comments/Notes to Designer:

Based on a desktop review of DERM and FDEP GIS layers, there are (2) facilities with known contamination within a 300-ft buffer of the project (see list below). Due to the scope of this project and the location of the facility, a more detailed Phase I (Level I) Environmental Site Assessment (ESA) is not necessary at this time. Should the project limits or the scope of work change, a Phase I (Level I) ESA and subsequent Phase II (Level II) ESA may be necessary. Please include the attached notes addressing unidentified areas of contamination during construction in the contract plans.

LIST OF KNOWN AND POTENTIAL CONTAMINATED SITES

- Key West Bight Terminal, 201 Grinnell St, FDEP #9802172
- Conch Harbor Marina, 951 Caroline St, FDEP #8735043

UNIDENTIFIED AREAS OF CONTAMINATION

When encountering or exposing any abnormal condition indicating the presence of a hazardous or toxic waste, or contaminants, cease operations immediately in the vicinity and notify the City of Key West Engineer. The presence of tanks or barrels; discolored earth, metal, wood, ground water, etc.; visible fumes; abnormal odors; excessively hot earth; smoke; or other conditions that appear abnormal may indicate hazardous or toxic wastes or contaminants and must be treated with extreme caution.

Make every effort to minimize the spread of contamination into uncontaminated areas. Immediately provide for the health and safety of all workers at the job site and make provisions necessary for the health and safety of the public that may be exposed to any potentially hazardous conditions. Provisions shall meet all applicable local, State, and Federal laws, rules, regulations or codes covering hazardous conditions and will be in a manner commensurate with the gravity of the conditions.

The City of Key West Engineer and/or Prime Contractor will coordinate and mobilize a qualified Contamination Assessment/Remediation (CAR) Contractor. Qualifications of such CAR Contractor shall include: experience and personnel to prepare contamination assessment plans, conduct contamination assessments, prepare site assessment reports, implement remedial action plans, risk based corrective actions or any other type of environmental assessment or remedial activities as necessary.

All the work performed by the CAR Contractor shall be performed in compliance with all applicable local, state and federal regulations governing worker safety and environmental regulations. This is to include occupational exposure to contaminated soils, groundwater, wastes and atmosphere during the construction of all features included in the construction plans. In addition, the CAR Contractor must be staffed with Florida licensed technical professionals (geologists and engineers) who will be involved with the project and knowledgeable of the work activities conducted within the identified contaminated areas and who would sign and seal project reports as required for submittal to the appropriate environmental regulatory agencies.

The City of Key West Engineer will immediately notify the Florida Department of Transportation (FDOT) District VI Contamination Impact Coordinator (DCIC) at (305) 470-5228 after encountering the unidentified areas of contamination. Preliminary investigation by the CAR Contractor will determine the course of action necessary for site security and the steps necessary under applicable laws, rules, and regulations for additional assessment and/or remediation work to resolve the contamination issue.

Following completion of the project, the CAR Contractor shall be required to provide copies of all reports submitted to regulatory agencies, waste material profiles, manifests and/or disposal receipts for the handling of all contaminated media including but not limited to ground water, waste water, soils, solid wastes, sludge, hazardous wastes, air monitoring records and sample results for all materials tested and analyzed to the City of Key West Engineer and the FDOT DCIC.

TURBIDITY BARRIER NOTES AND SPECIFICATIONS

NOTE: ENTIRE PROJECT TO BE PROTECTED VIA IMPLEMENTATION OF A TURBIDITY BARRIER AND ENVIRONMENTAL PROTECTION PLAN AS REQUIRED BY LOCAL, STATE AND FEDERAL LAWS

ARCHITECTURAL SPECIFICATIONS

DIVISION 1 - GENERAL REQUIREMENTS

- THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, AIA DOCUMENT A201, ARE A PART OF THIS PROJECT. CONTRACTORS WHO ARE NOT FAMILIAR WITH THIS DOCUMENT MAY OBTAIN COPIES FROM THE ARCHITECT, OR THE OFFICE OF THE AMERICAN INSTITUTE OF ARCHITECTS, MIAMI, FLORIDA. OWNER MAY SUBSTITUTE CONTRACT FOR CONSTRUCTION OTHER THAN AIA 201.
- ALL WORK SHALL BE IN STRICT CONFORMANCE WITH THE FLORIDA BUILDING CODE, LATEST EDITION, AND WITH ALL APPLICABLE LAWS, CODES AND ORDINANCES OF THE CITY, COUNTY, STATE, UTILITY COMPANIES AND ANY OTHER GOVERNING AGENCIES.
- THE CONTRACT WORK INCLUDES ALL MATERIAL, EQUIPMENT, TOOLS, LABOR AND SERVICES NECESSARY FOR THE COMPLETION OF THE PROJECT. THE OWNER HAS THE RIGHT TO, AND EXPECTS ALL WORK TO BE COMPLETED AS EXPEDITIOUSLY AS QUALITY WORKMANSHIP SHALL ALLOW.
- THE CONTRACTOR SHALL PROCURE AND PAY FOR ALL NECESSARY BUILDING PERMITS AND FOR INSPECTION SERVICES OF LOCAL AUTHORITIES WHERE REQUIRED BY LAW.
- NOTIFY ALL UTILITY COMPANIES PRIOR TO EXCAVATION FOR LOCATION OF UNDERGROUND UTILITIES, AND/OR PROTECTION OR REMOVAL OF OVERHEAD POWER LINES AND POLES.
- PROVIDE SAFETY BARRICADES, SIGNALS, FENCES, ETC., AS REQUIRED FOR THE SAFE EXECUTION OF THE WORK.
- THE OBSERVATION OF THE CONTRACT WORK SHALL BE DONE BY THE PERSON LISTED IN THE CONTRACT AGREEMENT AS THE ARCHITECT. IN THE CASE THAT NO OBSERVATION BY THE ARCHITECT IS PROVIDED IN THE CONTRACT, THE FUNCTIONS OF THE ARCHITECT, WHEREVER CALL FOR IN THE SPECIFICATIONS, SHALL BE EXERCISED BY THE OWNER.
- THE CONTRACTOR SHALL PROVIDE A TEMPORARY INSTALLATION OF ELECTRIC SERVICE IF SUCH SERVICE IS NOT AVAILABLE ON SITE.
- MATERIALS AND LABOR
- SUBMIT SAMPLES TO THE ARCHITECT FOR APPROVAL OF COLOR WHERE REQUIRED.
- ALL WORK SHALL BE PERFORMED IN THE BEST AND MOST PROFESSIONAL MANNER BY MECHANICS SKILLED IN THEIR RESPECTIVE TRADES.
- WHERE BRAND NAMES OR MANUFACTURERS NAMES APPEAR, THEY ARE USED TO ESTABLISH A QUALITY OF MATERIAL AND/OR PROCESS. SUBSTITUTIONS WILL BE APPROVED BY THE ARCHITECT IF, IN HIS JUDGMENT, THEY CONSTITUTE AN EQUAL MATERIAL OR PROCESS.
- ALL TRADES SHALL GUARANTEE ALL WORK TO BE FREE OF DEFECTS IN MATERIALS OR WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE.
- APPLY, INSTALL, CONNECT, ERECT, CLEAN, CONDITION, AND USE ALL MANUFACTURED ARTICLES IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS AND AS SHOWN ON THE DRAWINGS. PROVIDE OWNER WITH ALL GUARANTEES AND MAINTENANCE MANUALS FOR ALL APPLIANCES AND PIECED OF EQUIPMENT INSTALLED AS A PART OF THE WORK.
- PERFORMANCE
- BY SUBMITTING A BID, THE BIDDER AGREES AND WARRANTS THAT HE HAS EXAMINED THE DRAWINGS AND SPECIFICATIONS AND FOUND THAT THEY ARE ADEQUATE FOR THE PROPER COMPLETION OF THE PROJECT.
- NO CLAIMS FOR ANY EXTRA CHARGES WILL BE ALLOWED BECAUSE OF ALLEGED IMPOSSIBILITIES DUE TO INADEQUATE DRAWINGS OR SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING FIELD MEASUREMENTS BEFORE ORDERING MATERIALS AND PREFABRICATED ITEMS. ANY NECESSARY ADJUSTMENTS BETWEEN FIELD MEASUREMENTS AND DRAWINGS SHALL BE MADE AS PER THE DECISION OF THE ARCHITECT
- PAYMENTS PER CONTRACT WITH OWNER
- INSURANCE
- THE CONTRACTOR SHALL CARRY WORKMEN COMPENSATION INSURANCE TO THE EXTENT REQUIRED BY LAW AND SHALL MAINTAIN SUCH INSURANCE IN FULL FORCE DURING THE ENTIRE TIME OF THIS CONTRACT.
- THE CONTRACTOR SHALL CARRY COMPREHENSIVE GENERAL AND AUTOMOTIVE LIABILITY INSURANCE OF \$100,000 TO \$300,000 (MINIMUM) AND PROPERTY DAMAGE INSURANCE OF \$50,000 (MINIMUM).
- COMPLETION
- ALL WORK SHALL BE SUBSTANTIALLY COMPLETED AT A TIME STIPULATED IN THE CONTRACT AGREEMENT OR IN TIME EXTENDED FOR JUSTIFIABLE DELAYS, IF ANY.
- A BUILDING OR ANY OTHER WORK SHALL BE CONSIDERED SUBSTANTIALLY COMPLETED WHEN NINETY-FIVE PERCENT (95%) OF THE WORK IS DONE AND THE BUILDING IS READY FOR OCCUPANCY OR THE PREMISES FOR USE.

CONCRETE EPOXY COATING TO MATCH EXISTING COLOR, TEXTURE AND APPLICATION

- FINISHED FLOOR SLAB SURFACES SHALL BE PLANE SURFACES AS SHOWN ON THE DRAWINGS. WHERE DRAINS OCCUR SLOPE FLOOR EVENLY TO DRAINS.
- INTERIOR SLABS SHALL BE SCREEDED WITH A STRAIGHT EDGE, FLOATED TO THE REQUIRED LEVEL, AND STEEL TROWELED TO A SMOOTH HARD FINISH. EXTERIOR SLABS SHALL BE BROOM FINISHED.
- CONCRETE FLOORS SHALL BE CHECKED FOR TRUENESS WITH AN 8 FOOT STRAIGHT EDGE. ANY DEVIATION FROM THE LINE OF THE STRAIGHT EDGE SHALL BE REPAIRED IN A MANNER SATISFACTORY TO THE ARCHITECT.
- AFTER CONSTRUCTION IS COMPLETED, THOROUGHLY CLEAN ALL EXPOSED FLOORS WITH SOAP AND WATER.
- CONTROL JOINTS SHALL BE FORMED AS INDICATED ON DRAWINGS, OR FORMED WITH METAL KEYWAY TO REMAIN IN THE SLAB. SLABS WITH AN APPROVED LIQUID CURING COMPOUND AND SEALING AGENT, APPLIED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.

DIVISION 4 - MASONRY

- SCOPE: FURNISH AND INSTALL ALL LABOR, MATERIALS, EQUIPMENT AND SERVICE NECESSARY TO COMPLETE ALL MASONRY WORK AS INDICATED OR SPECIFIED.
- RELATED WORK SPECIFIED ELSEWHERE: MASONRY WALL INSULATING AND FILL, FACE CAULKING OF CONTROL JOINTS.
- MATERIALS: CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C-90, GRADE U-1, FC M-1350 P.S.I.
- CONSTRUCTION AND WORKMANSHIP
- THE WORK SHALL BE DONE BY EXPERIENCED MECHANICS, SKILLED IN THEIR TRADE, IN A FIRST CLASS MANNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR QUALITY OF WORKMANSHIP AND FOR COMPLIANCE WITH THE DESIGN AND SPECIFICATIONS. HE SHALL CORRECT ALL ERRORS AND DEVIATIONS AS REQUESTED BY THE ARCHITECT.
- TRANSPORT AND HANDLE ALL MASONRY UNITS IN SUCH MANNER AS TO PREVENT CHIPPING AND BREAKAGE.
- PROTECT ALL MASONRY FROM INCREMENT WEATHER EFFECTS AND HEAVY AND UNNECESSARY TRAFFIC.
- DO NOT LAY CHIPPED, CRACKED OR OTHERWISE DEFECTIVE UNITS IN THE WALL.
- ALL JOINTS SHALL BE AS INDICATED ON DRAWINGS, STRAIGHT, TRUE, AND UNIFORM IN THICKNESS TO COURSE VERTICALLY TO 8.
- ALL MASONRY SHALL BE RUNNING BOND UNLESS INDICATED OTHERWISE.
- PROVIDE ALL OPENINGS IN MASONRY WALLS WHERE REQUIRED OR INDICATED. BUILD IN ALL ITEMS AS REQUIRED FOR A COMPLETE JOB, INCLUDING (BUT NOT LIMITED TO) REINFORCING STEEL, BOLTS, ANCHORS, CONDUITS AND PIPING.
- CLEAN ALL FINISHED MASONRY WALLS FOR A NEAT CLEAN AND FINISHED APPEARANCE, IF EXPOSED TO VIEW.
- INSTALL HORIZONTAL JOINT REINFORCEMENT IN WALL JOINTS AT 16" ON CENTER VERTICAL.

DIVISION 6 - CARPENTRY AND MILLWORK:

- SCOPE: ALL ROUGH AND FINISH CARPENTRY WORK AND MILL WORK AS INDICATED ON DRAWINGS AND SPECIFIED. THE INSTALLATION OF ALL ROUGH AND FINISH HARDWARE, SHELVING AND TRIM, HANGER AND ALL MATERIAL NECESSARY TO COMPLETE ALL THE FRAMING AND FINISH WORK AS SHOWN. INSTALL ALL BLOCKING, FIRE STOPS, BACKING, BRIDGING, ETC., FOR THE PROPER INSTALLATION OF ALL APPLIED ITEMS.
- RELATED WORK SPECIFIED ELSEWHERE: FINISHES.

DIVISION 16 - ELECTRICAL

- SCOPE: FURNISH, INSTALL AND CONNECT COMPLETE ELECTRICAL SYSTEMS AS SHOWN ON THE DRAWINGS, SPECIFIED OR OTHERWISE NECESSITATED BY THE WORK, INCLUDING, BUT NOT NECESSARILY LIMITED TO: ELECTRICAL SERVICE ENTRANCE AND METERING, COMPLETE ELECTRIC DISTRIBUTION SYSTEM FOR LIGHTING AND POWER, WIRING AND RELATED WORK FOR: MECHANICAL SYSTEMS, MOTORS, PUMPS, TELEPHONE, CABLE T.V. ROUGH IN, AND EQUIPMENT.
- RELATED WORK SPECIFIED ELSEWHERE: EXCAVATION, FILLING AND BACKFILLING, MECHANICAL AND PLUMBING
- CONSTRUCTION AND WORKMANSHIP: ALL WORK AND MATERIALS SHALL COMPLY WITH THE FOLLOWING AS MINIMUM STANDARDS.
 - THE NATIONAL ELECTRIC CODE, LATEST EDITION
 - THE NATIONAL ELECTRIC MANUFACTURERS ASSOCIATION STANDARDS
 - THE NATIONAL ELECTRICAL SAFETY CODE
 - THE INSULATED POWER CABLE ENGINEERS ASSOCIATION STANDARDS
 - UNDERWRITERS LABORATORIES INCORPORATED STANDARDS
- GENERAL REQUIREMENTS
 - ALL OUTLETS SHALL BE GROUNDED
 - ALL WORK SHALL BE CONCEALED.
 - ALL GROUNDING SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE. GROUND ROD AND ASSEMBLY SUPPLIED AND INSTALLED BY CONTRACTOR.
 - LIGHTING FIXTURES, EQUIPMENT, ETC., SHALL BE AS SCHEDULED OR OTHERWISE INDICATED ON THE DRAWINGS.
 - THE CONTRACTOR SHALL GUARANTEE THE ENTIRE INSTALLATION (EXCEPT LAMPS) FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE.
 - MATERIALS AND EQUIPMENT SHALL COMPLY WITH THE APPLICABLE CURRENT STANDARDS OF UNDERWRITERS LABORATORIES INC.
 - PANELS: SQUARE "D" OR EQUAL PANELS WITH RAIN TIGHT ENCLOSURE WHEN USED OUTDOORS.
 - ROMEX 12-2 WITH GROUND AND METAL BOXES ARE PERMITTED, UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS. INSTALL WITH METAL CONDUIT
 - FEEDERS TO BE (2) 1/0 THW W (1) THW IN 4" CONDUIT, OR AS NOTED ON DRAWINGS
 - CONDUIT TO BE P.V.C. PROVIDE STUB ONLY
 - WIRING DEVICES SHALL BE LEVITON, RESIDENTIAL GRADE WHITE, OR APPROVED EQUAL.
 - CONTRACTOR SHALL FURNISH LIGHTING FIXTURES AND FANS IN CONTRACT AS CALLED FOR ON THE FIXTURE SCHEDULE SHOWN ON THE DRAWINGS. IN THE ABSENCE OF A FIXTURE SCHEDULE, FIXTURES WILL BE AS SELECTED BY THE OWNER AND PAID BY THE OWNER AS A NEGOTIATED EXTRA TO THE CONTRACT. THE OWNER RESERVES THE RIGHT TO FURNISH FIXTURES SHOWN FOR INSTALLATION IN LIEU OF PURCHASING THEM THROUGH THE CONTRACTOR.
 - CONTRACTOR SHALL FURNISH AND INSTALL APPROVED HARD-WIRED SMOKE DETECTORS IN ACCORDANCE WITH THE REQUIREMENTS

REVISIONS: DATE
#1 12-29-2016

PIKE ARCHITECTS
ARCHITECTS
PLANNERS
CONSULTANTS

474 US HIGHWAY #1
SUITE 100
KEY WEST, FLA. 33040
305-296-1692

PROJECT: EXTENDED
NEW EMBARKMENT / DISSEMBARKMENT RAMP
KEY WEST BIGHT
FERRY TERMINAL

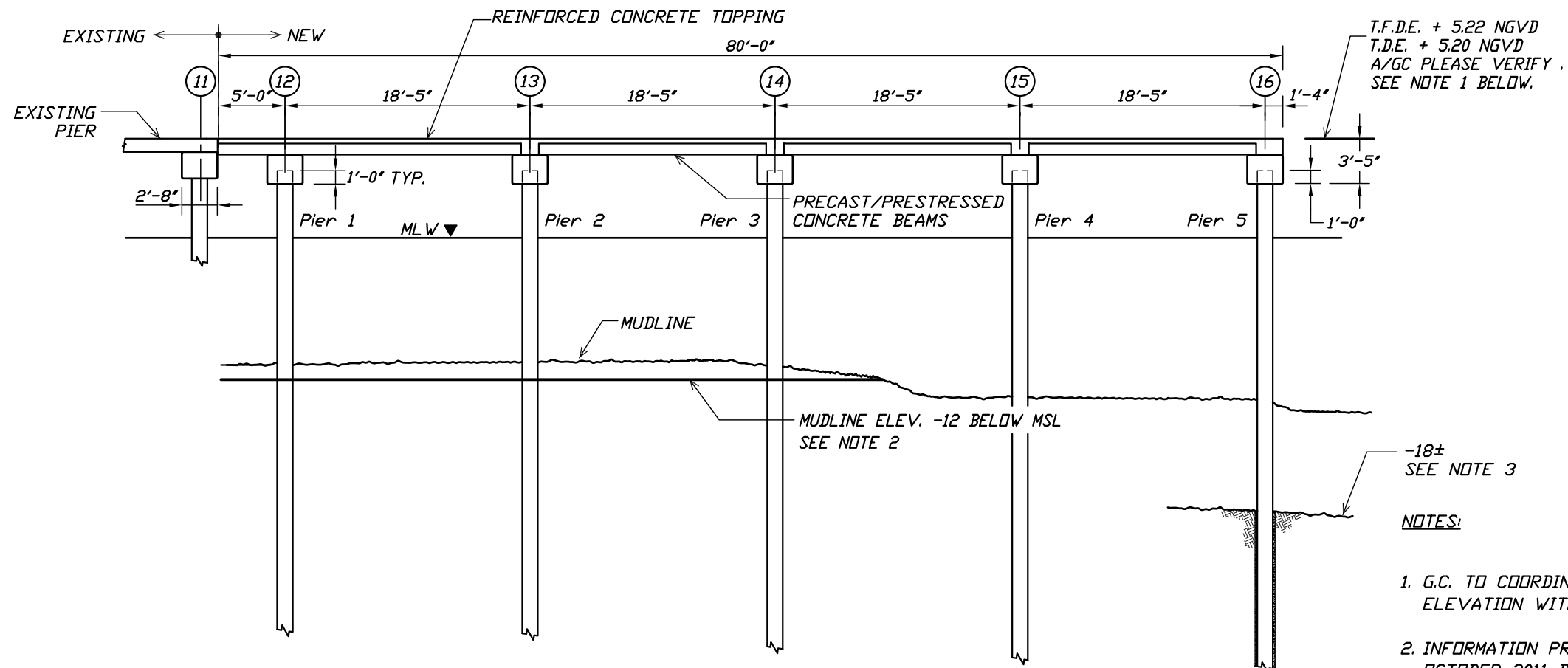
DRAWING TITLE:
ENVIRONMENTAL NOTES
GENERAL SPECS.

PROJECT NUMBER:
16.23
DRAWN: KM/TSN
CHECKED: PMP
DATE: 09-19-2016

SHEET #
A-6
OF 6

For Permitting Only Not For Construction

PETER M. PIKE FLA. REGISTRATION # AR0015198



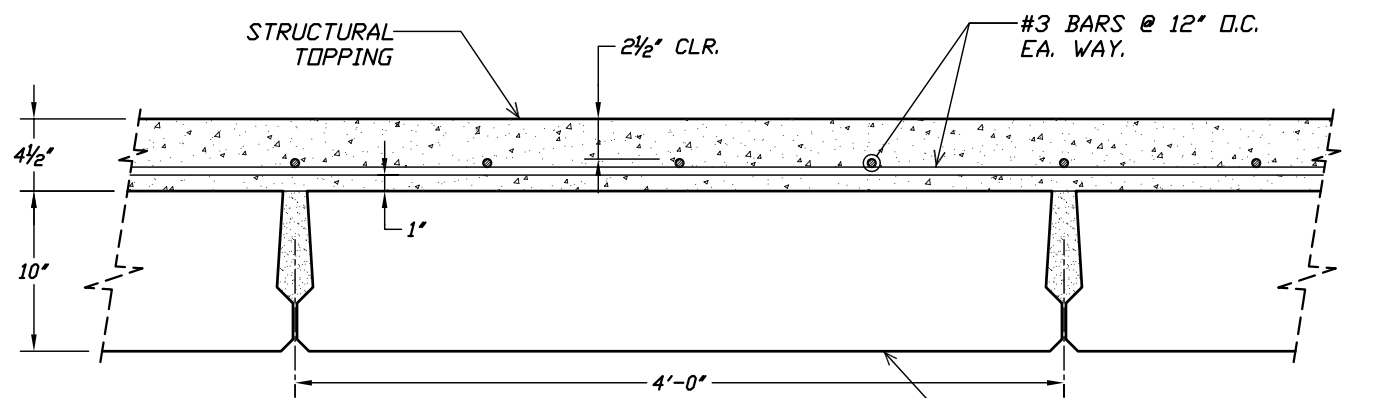
1
5.0
LONG. ELEVATION
SCALE 3/32" : 1'-0"

T.F.D.E. + 5.22 NGVD
T.D.E. + 5.20 NGVD
A/GC PLEASE VERIFY.
SEE NOTE 1 BELOW.

-18±
SEE NOTE 3

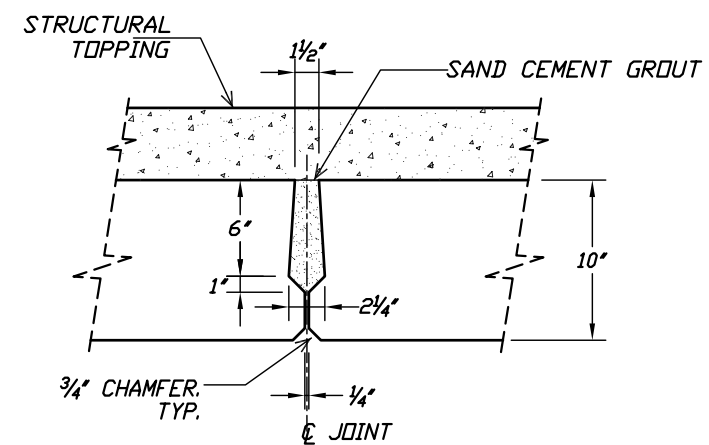
NOTES:

1. G.C. TO COORDINATE THE TOP OF STRUCTURAL DECK ELEVATION WITH THE ARCHITECTURAL DRAWINGS.
2. INFORMATION PROVIDED BY THE CITY OF KEY WEST IN OCTOBER 2011 BASED ON MAINTENANCE DREDGING. ARCHITECT/CITY OF KEY WEST, PLEASE VERIFY IF THIS INFORMATION IS STILL CURRENT.
3. APPROXIMATE BEDROCK ELEVATION, PER GEOTECHNICAL REPORT. REFER TO GENERAL NOTE N.1., DRAWING SHEET 1.0. FOR DETAILS.



2
5.0
SECTION
SCALE 1" : 1'-0"

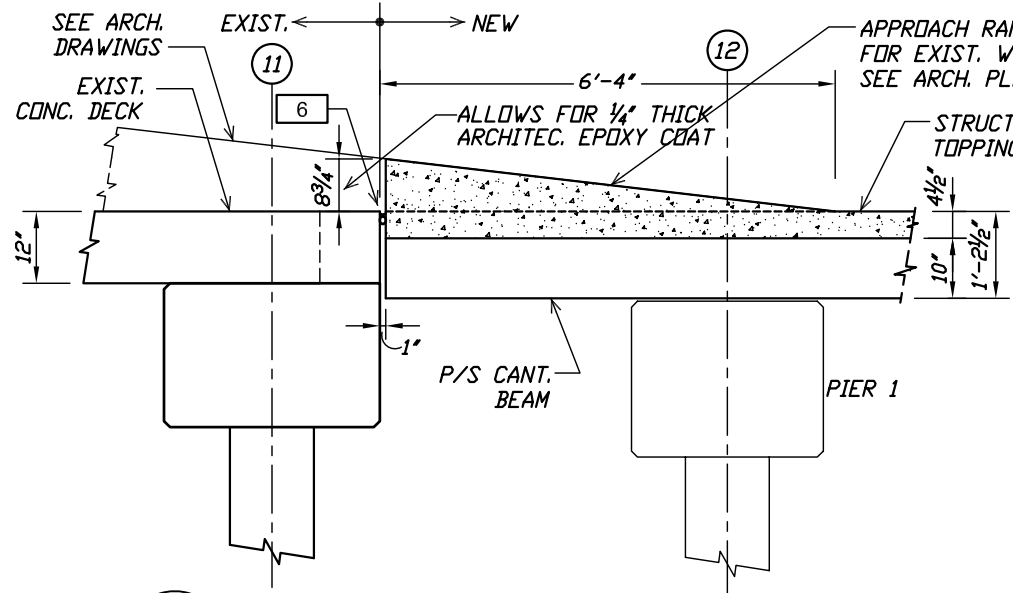
PRECAST/PRESTRESSED CONCRETE BEAM, TYP. FOR REINFORCING DETAILS, REFER TO SHEET 10.0.



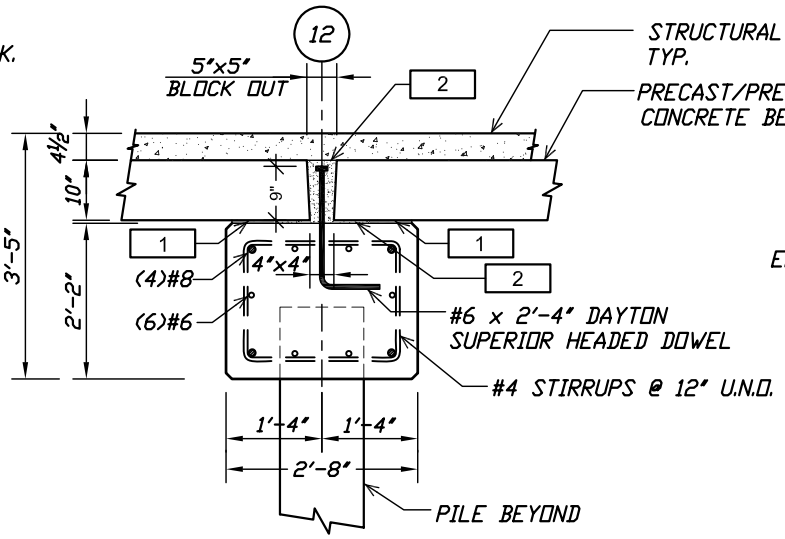
3
5.0
SHEAR KEY DETAIL, TYP.
SCALE 1" : 1'-0"

REV	DESCRIPTION	DATE	BY

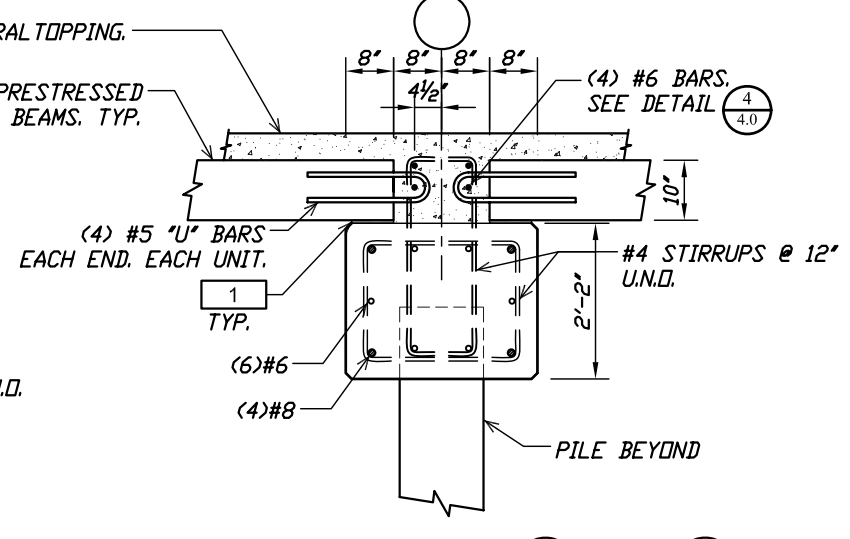
M. CORDERO & ASSOCIATES STRUCTURAL ENGINEERS CA # 6278 1227 LAKE MIRIAM DRIVE, LANGLAND, FLORIDA 33813 TEL: (863) 646-6277 FAX: (863) 533-1054 www.prestress.com/mca Web Page	PETER PIKE ASSOCIATES Architects - Planners - Consultants 471 US HIGHWAY 1 SUITE 101 KEY WEST, FL 33040 305-296-1692	GENERAL SECTIONS JOB NAME: CITY OF KEY WEST PIER EXTENSION LOCATION: 100 GRINNELL ST., KEY WEST, FLORIDA ARCHITECT: PETER PIKE ASSOCIATES CONTRACTOR:	DRAWN: K.C. CHK'D: M.C. APPR.: M.C. DATE: 08-11-16 RELEASED:
JOB NO: 071116			SHT: 5.0 OF: 11



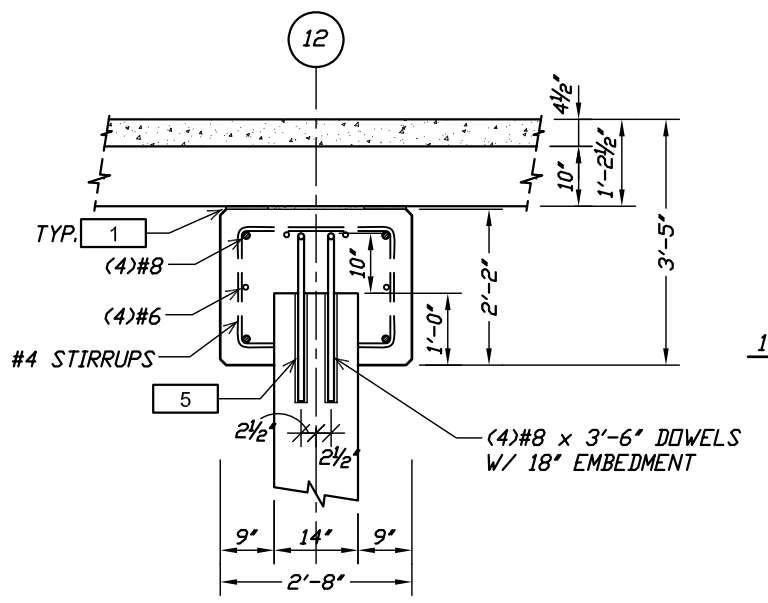
1 SECTION - BEGIN OF PIER EXTENSION
6.0 SOUTH VIEW SCALE 3/8" : 1'-0"



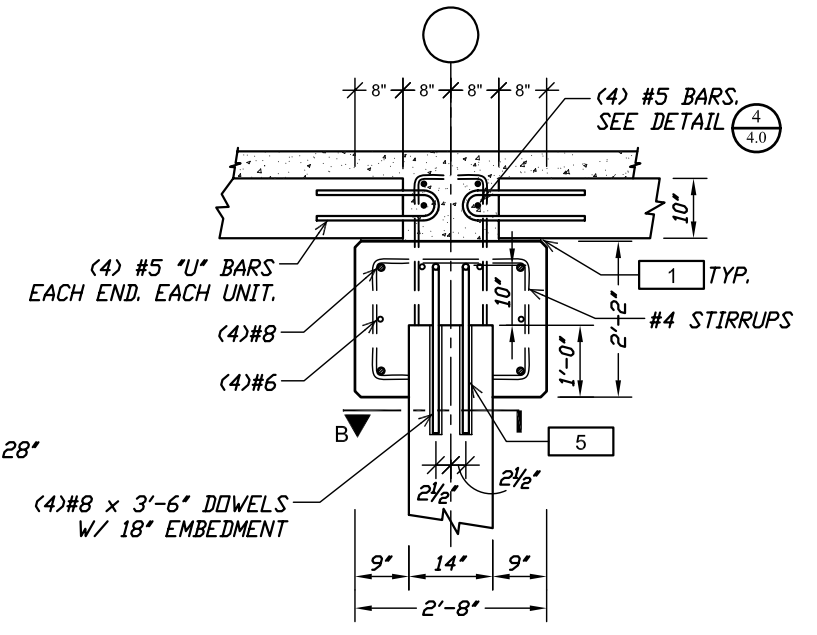
2 CAP SECTION AT GRIDLINE 12
6.0 AT PIER 1 SCALE 3/8" : 1'-0"



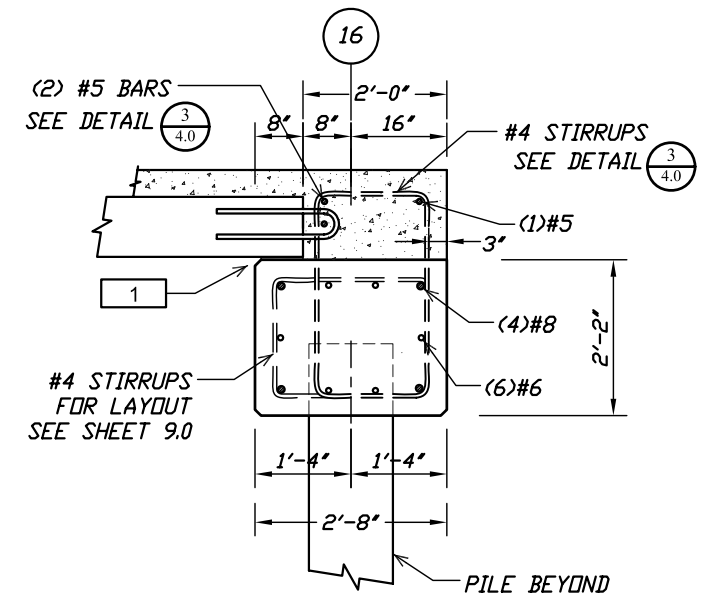
3 CAP SECTION TYP. 13 THRU 15
6.0 AT PIERS 2, 3 & 4 SCALE 3/8" : 1'-0"



4 CAP SECTION AT PILE. GRID 12
6.0 AT PIER 1 SCALE 3/8" : 1'-0"



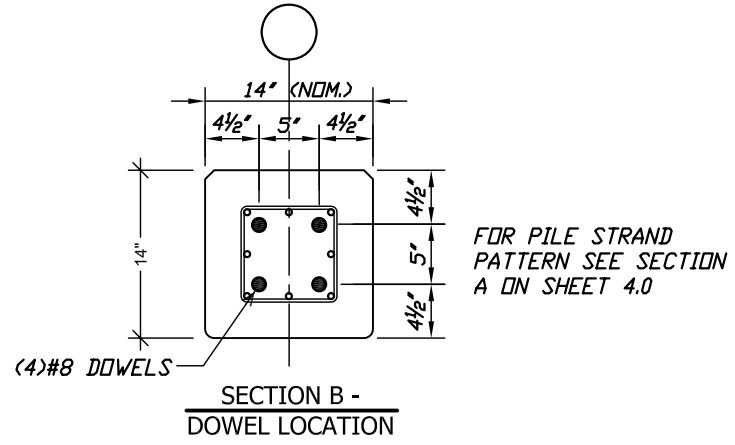
5 SECTION AT PILE. TYP. GRIDLINES 13 THRU 15
6.0 AT PIERS 2, 3 & 4 SCALE 3/8" : 1'-0"



6 CAP SECTION AT GRIDLINE 16
6.0 AT PIER 5 SCALE 3/8" : 1'-0"

NOTATION :

- 1** 5' WIDE x 1/2" THICK CONTINUOUS NEOPRENE STRIP
- 2** NON-SHRINK NON-METALLIC GROUT
- 5** EPOXY ADHESIVE, SIKADUR 31 HI-MOD GEL OR APPROVED EQUAL
- 6** SILICONE SEALANT AND BACKER ROD FROM FDOT QPL



FOR PILE STRAND PATTERN SEE SECTION A ON SHEET 4.0

REV	DESCRIPTION	DATE	BY

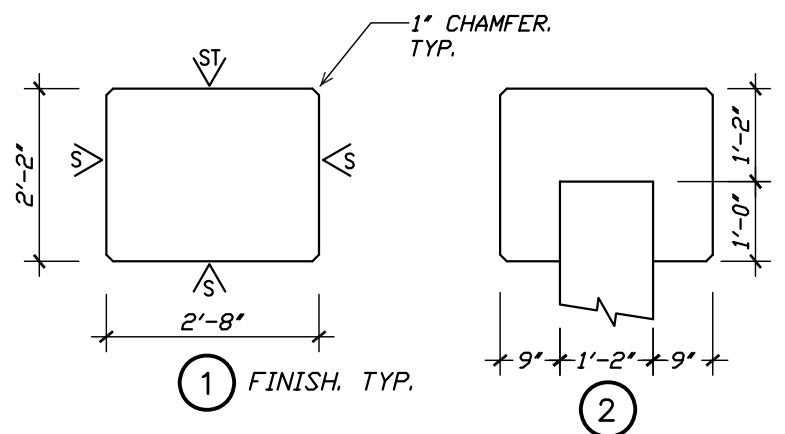
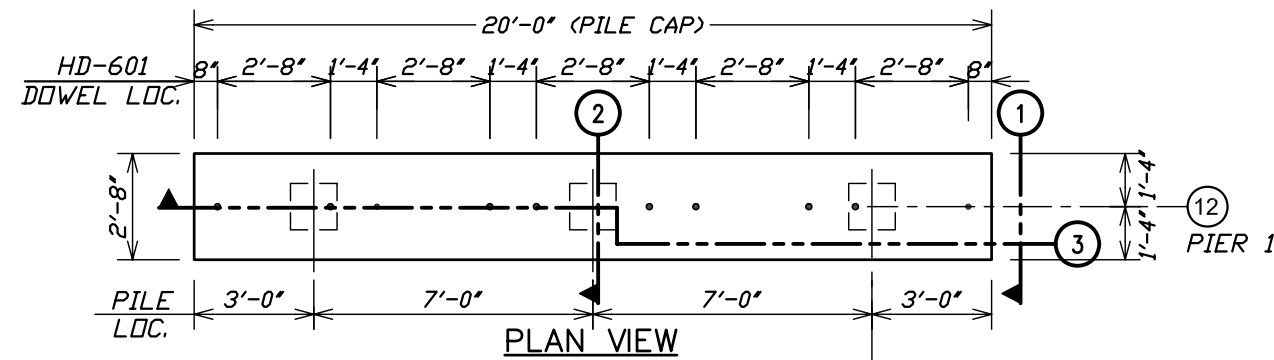
M. CORDERO & ASSOCIATES
STRUCTURAL ENGINEERS
CA # 6278
1327 LAKE MARIAN DRIVE, LABELAND, FLORIDA 33613
TEL: (863) 646-6277 FAX: (863) 533-1054
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471 US HIGHWAY 1, SUITE 101
KEY WEST, FL 33040
305-296-1692

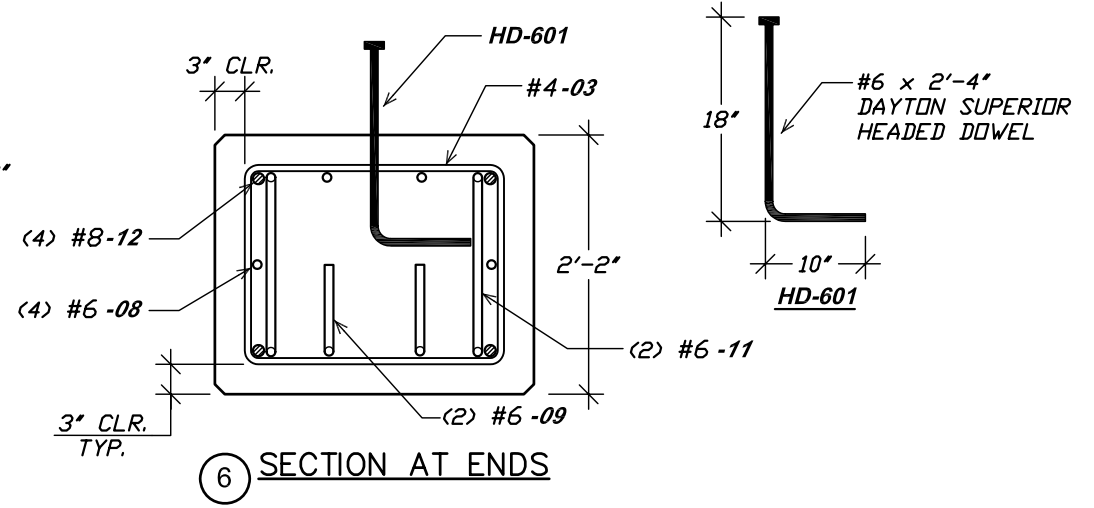
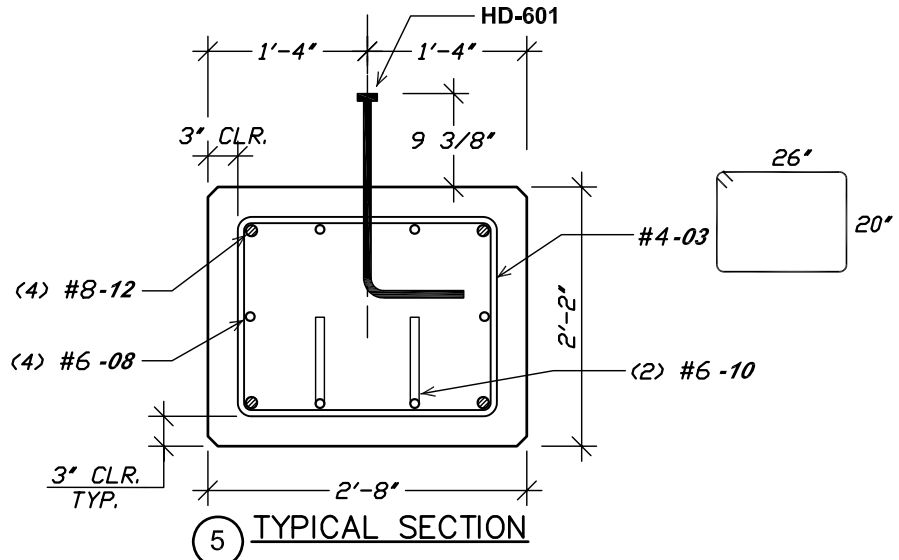
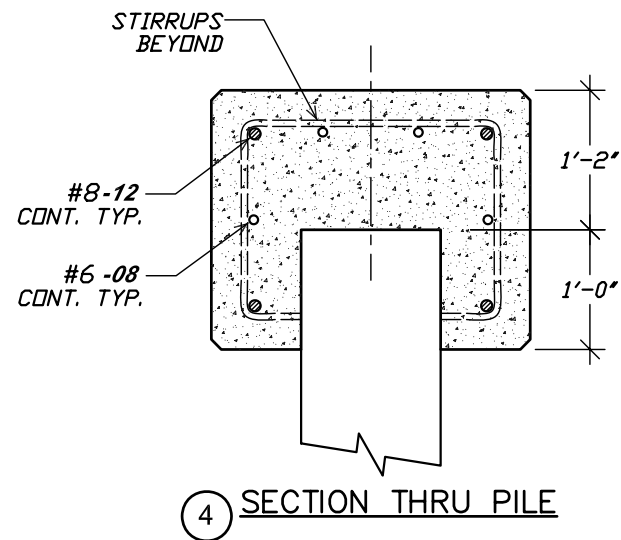
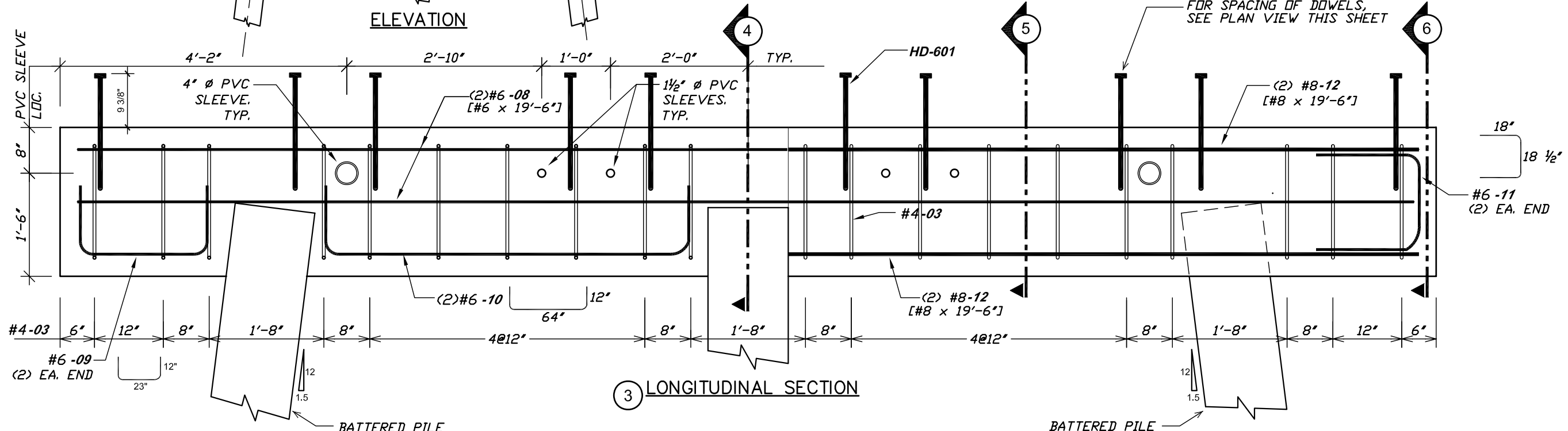
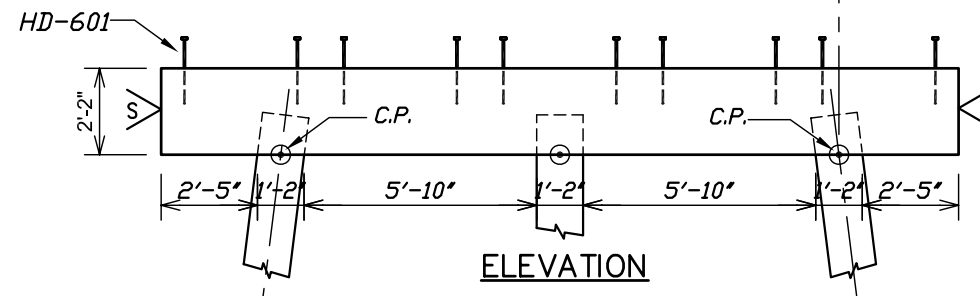
SECTIONS & DETAILS
JOB NAME: CITY OF KEY WEST PIER EXTENSION
LOCATION: 100 GRINNELL ST., KEY WEST, FLORIDA
ARCHITECT: PETER PIKE ASSOCIATES
CONTRACTOR:

DRAWN: K.C.
CHK'D: M.C.
APPR.: M.C.
DATE: 08-11-16
RELEASED:

JOB NO: 071116
SHT: 6.0 OF: 11



FINISHES	
	= RAKE
	= PENETRATING SEALER
	= SMOOTH TROWEL FINISH



REV	DESCRIPTION	DATE	BY

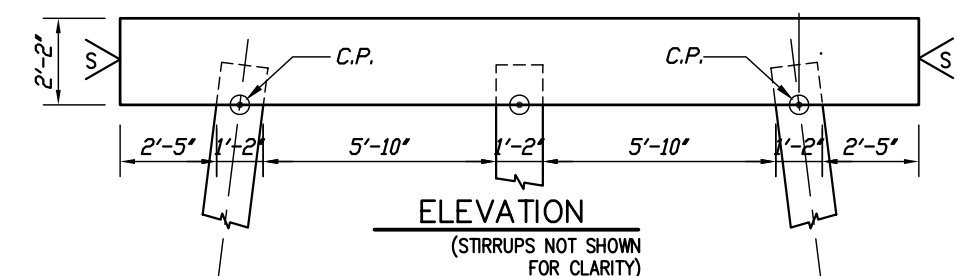
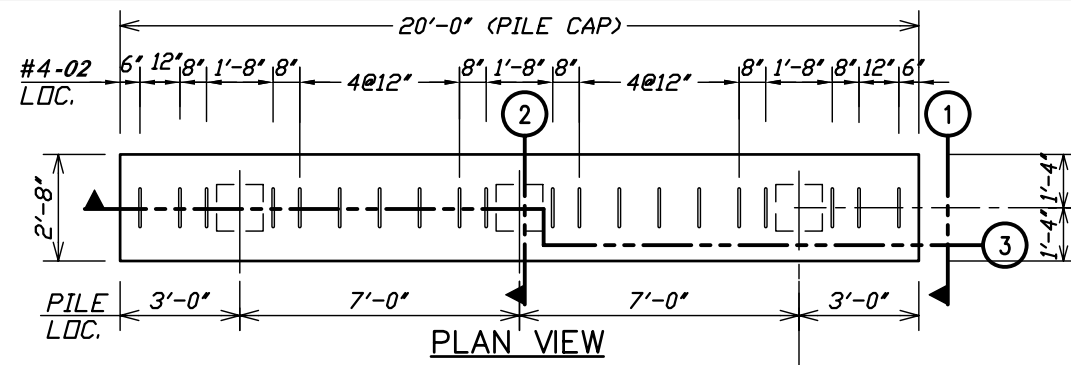
M. CORDERO & ASSOCIATES
 STRUCTURAL ENGINEERS
 CA # 6278
 1227 LAKE MARIANA DRIVE, LANELAND, FLORIDA 33613
 TEL: (863) 646-6277 FAX: (863) 533-1054
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 Architects - Planners - Consultants
 471 US HIGHWAY 1 SUITE 101
 KEY WEST, FL 33040
 305-296-1692

PILE CAP REINFORCING AT PIER 1
 JOB NAME: CITY OF KEY WEST PIER EXTENSION
 LOCATION: 100 GRINNELL ST., KEY WEST, FLORIDA
 ARCHITECT: PETER PIKE ASSOCIATES
 CONTRACTOR:

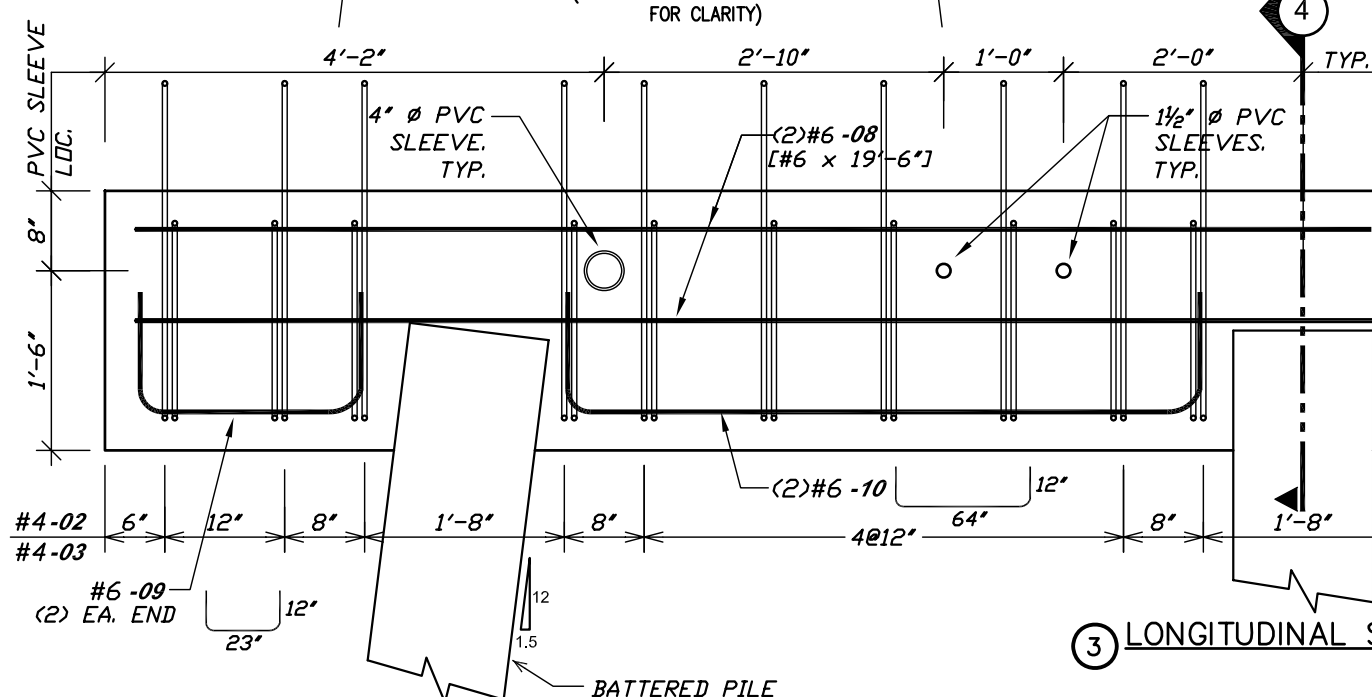
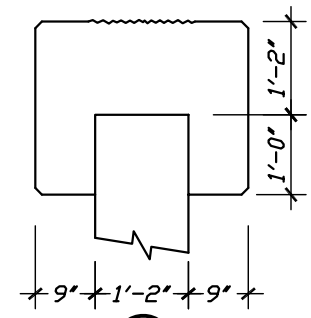
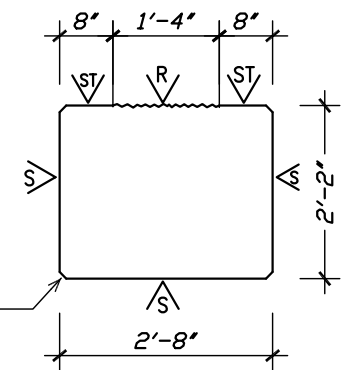
DRAWN: K.C.
 CHK'D: M.C.
 APPR.: M.C.
 DATE: 08-11-16
 RELEASED:

JOB NO: 071116
 SHT: 7.0 OF: 11

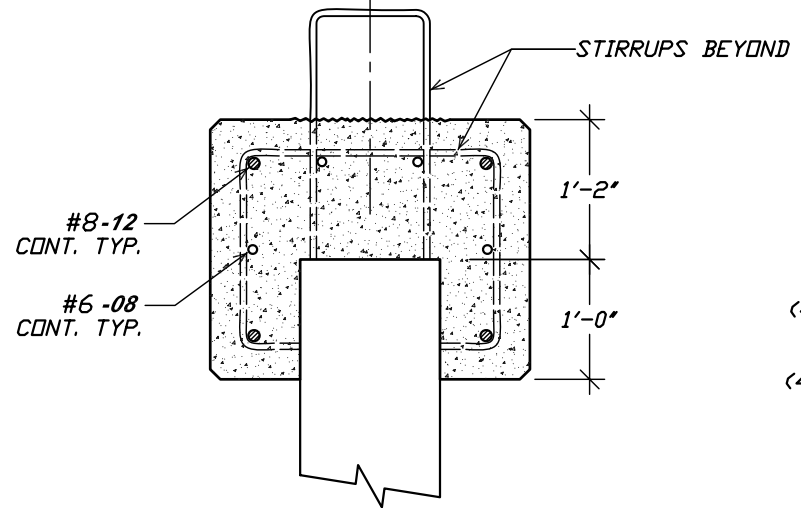


PIERS 2, 3 & 4

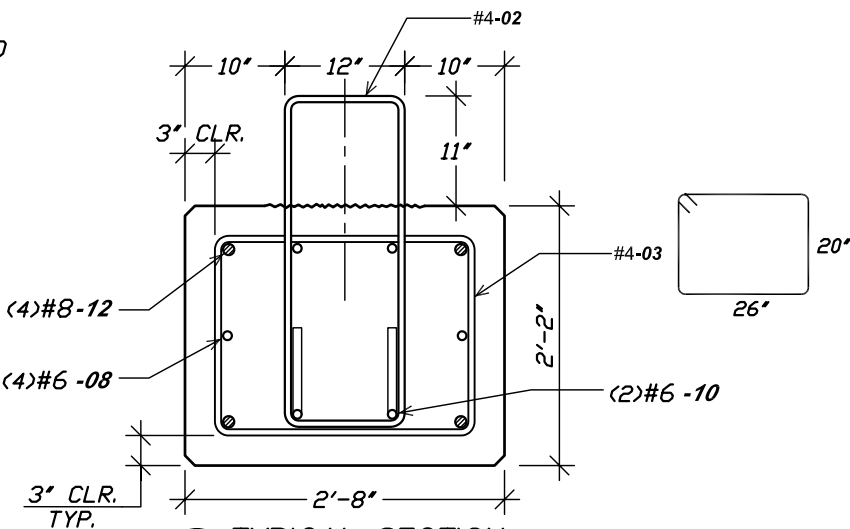
FINISHES	
∇	= RAKE
∇	= PENETRATING SEALER
∇	= SMOOTH TROWEL FINISH



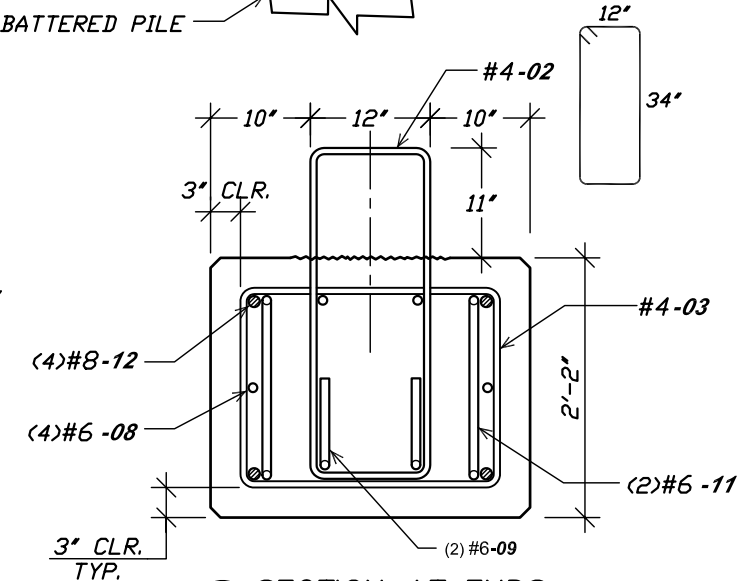
LONGITUDINAL SECTION



SECTION THRU PILE



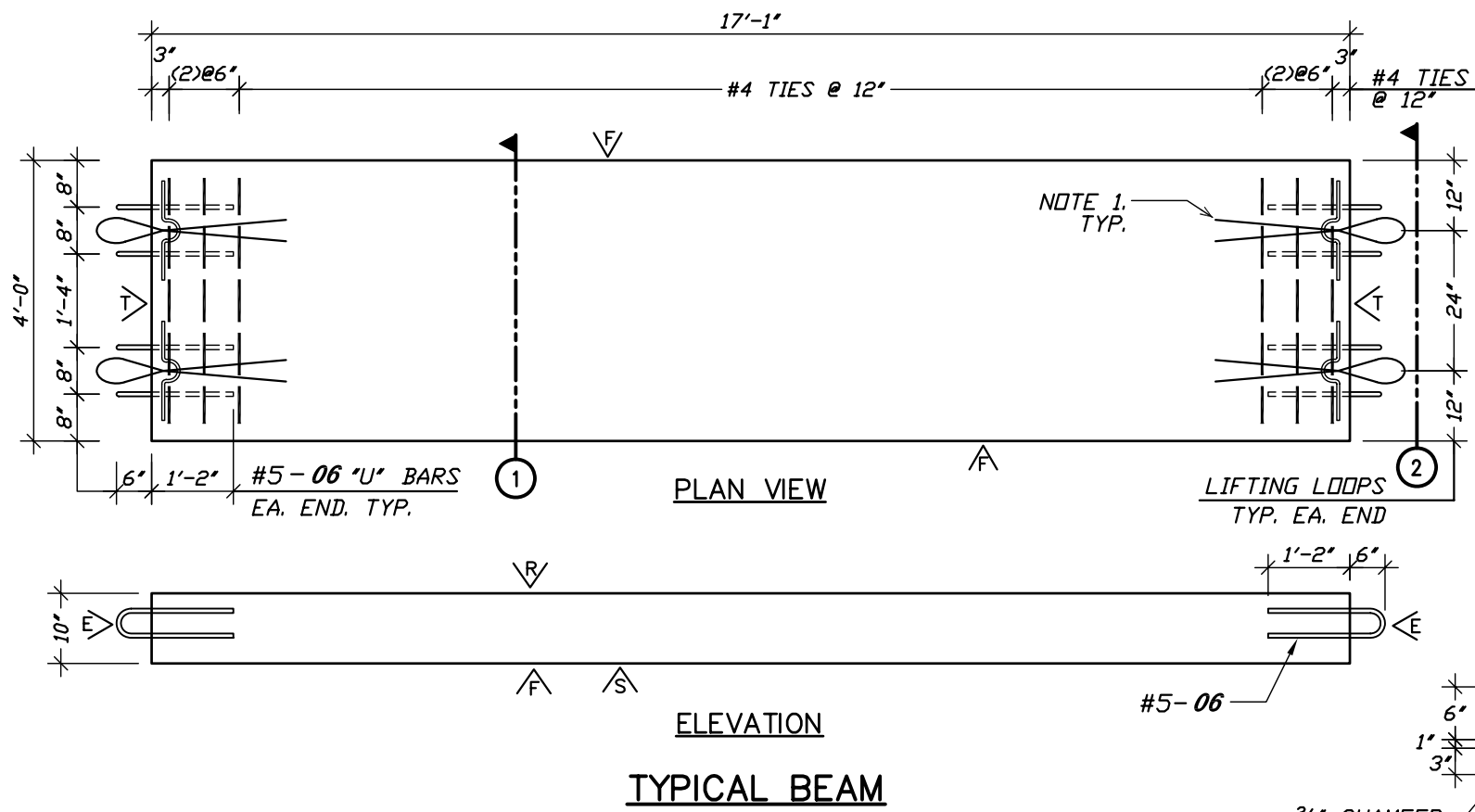
TYPICAL SECTION



SECTION AT ENDS

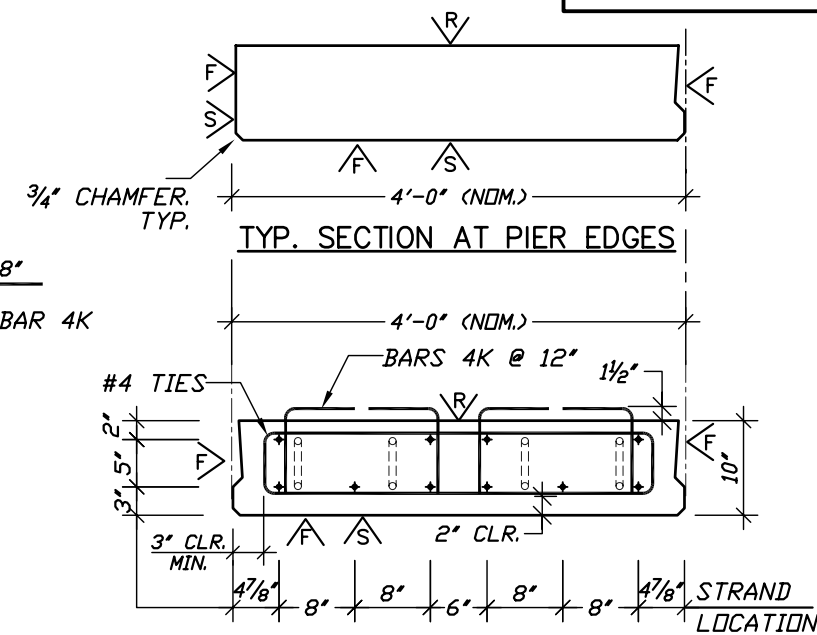
REV	DESCRIPTION	DATE	BY

M. CORDERO & ASSOCIATES STRUCTURAL ENGINEERS CA # 6278 1227 LAKE MARIAN DRIVE, LAJUNDA, FLORIDA 33613 TEL: (863) 646-6277 FAX: (863) 533-1054 www.prestress.com/nimica Web Page
PETER PIKE ASSOCIATES Architects - Planners - Consultants 471 US HIGHWAY 1 SUITE 101 KEY WEST, FL 33040 305-296-1692
PILE CAP REINFOR. @ PIERS 2, 3 & 4
JOB NAME: CITY OF KEY WEST PIER EXTENSION LOCATION: 100 GRINNELL ST., KEY WEST, FLORIDA ARCHITECT: PETER PIKE ASSOCIATES CONTRACTOR:
DRAWN: K.C. CHK'D: M.C. APPR.: M.C. DATE: 08-11-16 RELEASED:
JOB NO: 071116
SHT: 8.0 OF: 11



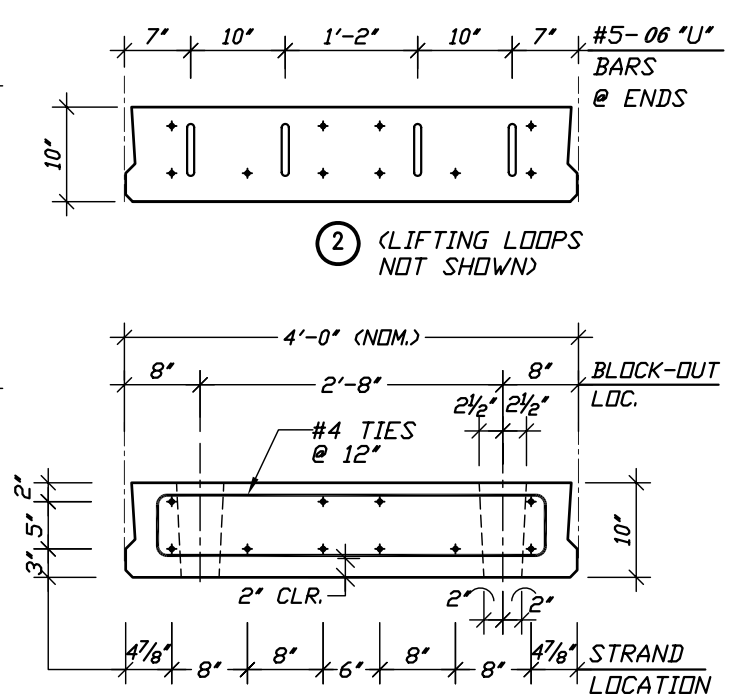
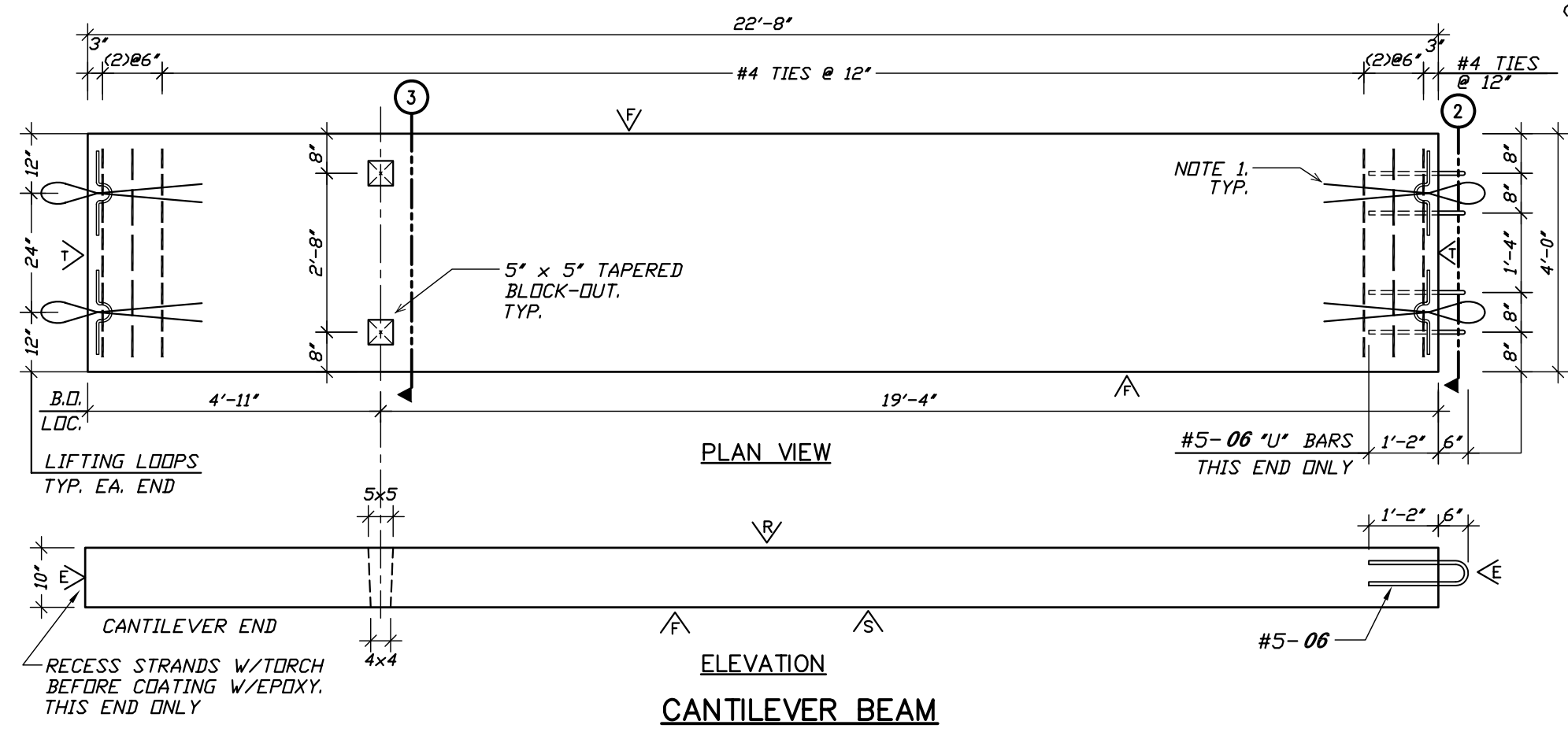
NOTES:
 1. PRECAST MANUFACTURER TO SUBMIT SIGNED AND SEALED SHOP DRAWINGS AND LIFTING DESIGN CALCULATIONS.

FINISHES	
∇_B	= LIGHT BROOM FINISH
∇_S	= SMOOTH FORM FINISH
∇_C	= AS CAST
∇_R	= RAKE TO 1/4" AMPLITUDE
∇_E	= COAT STRANDS W/EPOXY
∇_P	= PENETRATING SEALER. SEE GENERAL NOTE F.1



(6) 1/2" STRANDS @ 31.0 KIPS EACH - BOTTOM
 (4) 1/2" STRANDS @ 20.0 KIPS EACH - TOP
 (10) TOTAL

① TYPICAL CROSS SECTION



(6) 1/2" STRANDS @ 31.0 KIPS EACH - BOTTOM
 (4) 1/2" STRANDS @ 20.0 KIPS EACH - TOP
 (10) TOTAL

③ CANT. END SECTION

REV	DESCRIPTION	DATE	BY

M. CORDERO & ASSOCIATES
 STRUCTURAL ENGINEERS
 CA # 6278
 1227 LAKE MARIAN DRIVE, LANELAND, FLORIDA 33613
 TEL: (863) 646-6277 FAX: (863) 533-1054
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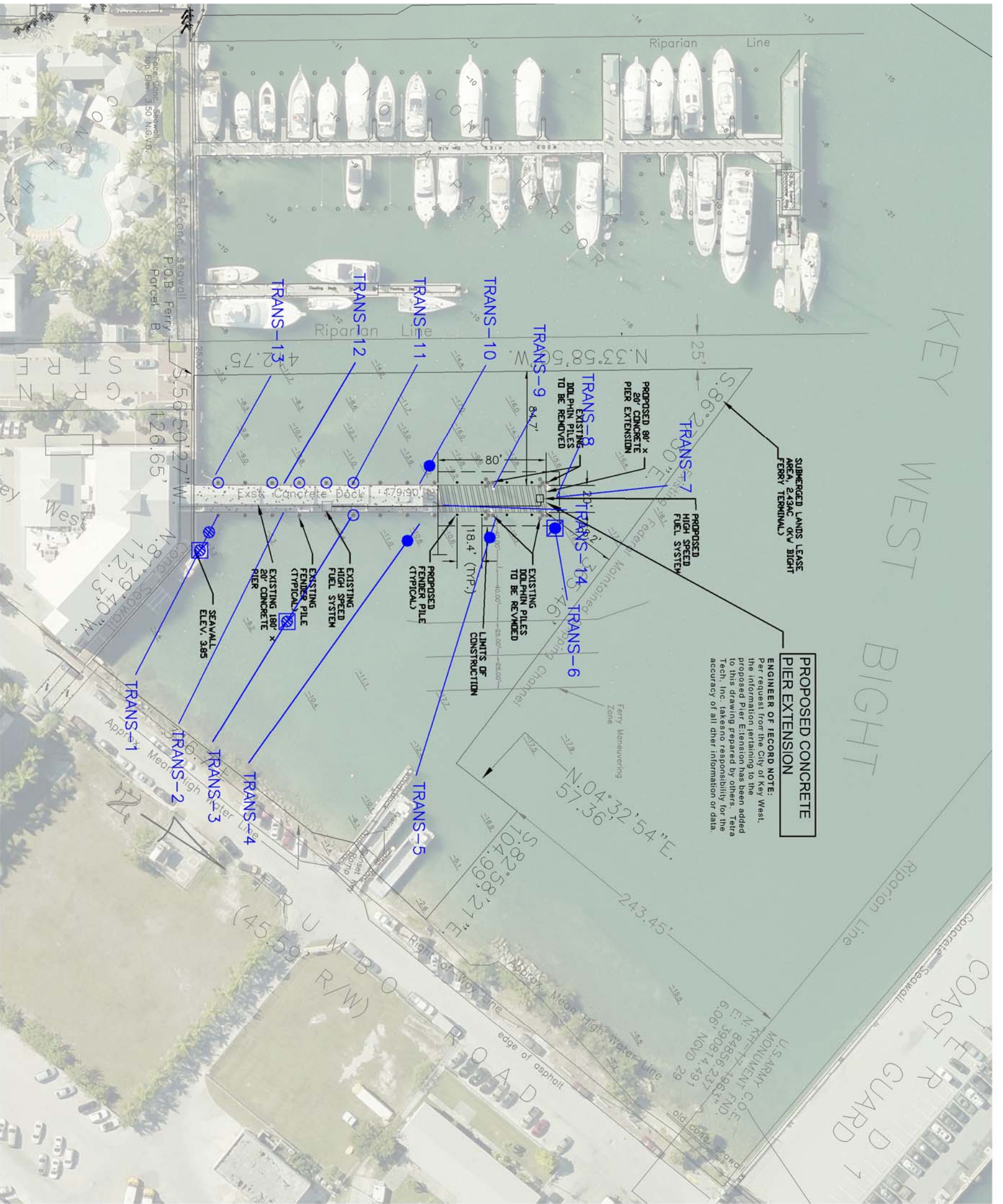
PETER PIKE ASSOCIATES
 Architects - Planners - Consultants
 471 US HIGHWAY 1 SUITE 101
 KEY WEST, FL 33040
 305-296-1692

PRESTRESSED BEAMS REINFORCING

JOB NAME: CITY OF KEY WEST PIER EXTENSION
 LOCATION: 100 GRINNELL ST., KEY WEST, FLORIDA
 ARCHITECT: PETER PIKE ASSOCIATES
 CONTRACTOR:

DRAWN: K.C.
 CHK'D: M.C.
 APPR.: M.C.
 DATE: 08-11-16
 RELEASED:

JOB NO: 071116
 SHT: 10.0 OF: 11



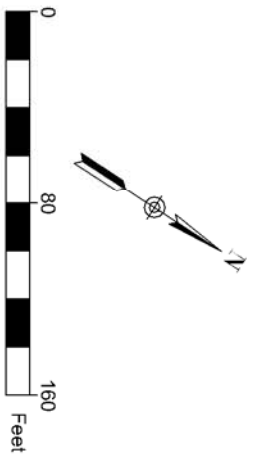
PROPOSED CONCRETE PIER EXTENSION

ENGINEER OF RECORD NOTE:
 Per request from the City of Key West, the information pertaining to the proposed Pier Extension has been added to this drawing prepared by others. Tetra Tech, Inc. takes no responsibility for the accuracy of all other information or data.

- NOTES:**
1. SURVEY TRANSECTS AND CORAL LOCATIONS WERE OBTAINED FROM "KEY WEST BIGHT FERRY TERMINAL EXTENSION BENTHIC ASSESSMENT" PERFORMED BY ATKINS, DATED NOVEMBER 2011.
 2. CORAL LOCATIONS REPRESENT APPROXIMATE LOCATIONS AS REFERENCED IN TABLES 2, 3, 4, AND APPENDIX B: CORALS OF THE ATKINS REPORT.

LEGEND:

- CORALS ON PILES
 - CORALS ON HARD-BOTTOM
 - CORALS ON HARD-BOTTOM ON DEBRIS
 - CORALS ON MACROALGAE/ SEAGRASS
 - CORALS ON MACROALGAE/ SEAGRASS ON DEBRIS
- TRANS-1 TRANSECT LINE AND NUMBER



**FOR PERMITTING ONLY
 NOT FOR CONSTRUCTION**



Stuart E McGohee
 Florida PE No. 57536

Mark	Description	Date	Appr.

TETRA TECH INC.
 759 SOUTH FEDERAL HWY
 SUITE 314
 STUART, FL 34994-2936
 TEL: (772) 781-3400
 FAX: (772) 781-3411
 CERTIFICATE OF AUTHORIZATION
 NO. 2429

CITY OF KEY WEST
KW BIGHT FERRY TERMINAL EXTENSION
 CORAL SURVEY LOCATION MAP
 KEY WEST, MONROE COUNTY, FLORIDA

Sheet Reference:
G-001
 Sheet 1 of 1

