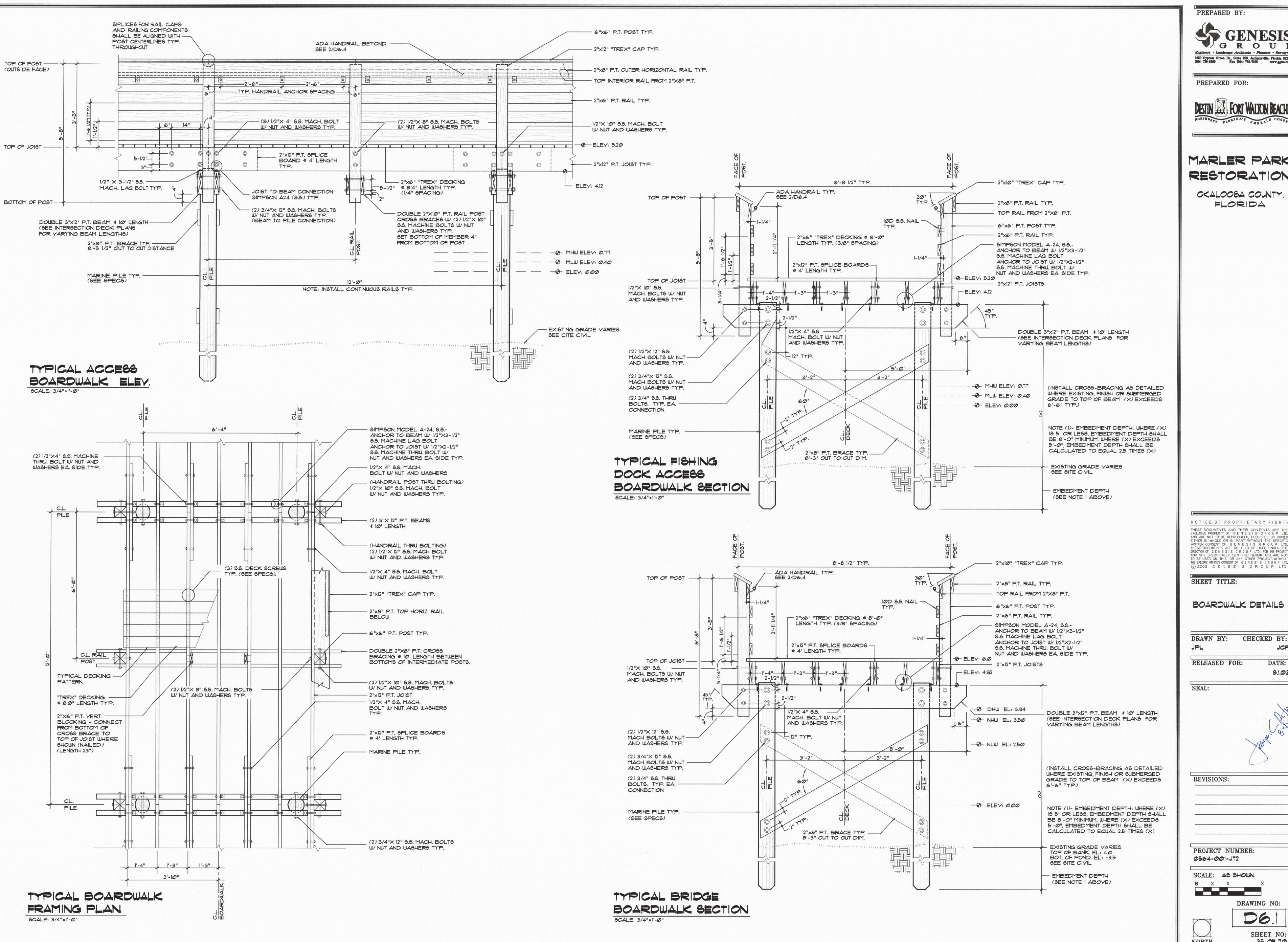
## ADDENDUM 1

## ITB FM 60-18

## DEMOLITION, DISPOSAL AND REBUILD OF FISHING PIER AT MARLER PARK

This addendum is to add updated drawings of the fishing pier at Marler Park:

Please see attached Adobe PDF of drawings.



PREPARED BY:

9250 Cypress Green Dr., Suite 200, Jacksonville, Florida 32256 (904) 730-9360 Fax (904) 730-7165 www.ggise.com

PREPARED FOR:



MARLER PARK RESTORATION

> OKALOOSA COUNTY, FLORIDA

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SHEET TITLE:

BOARDWALK DETAILS

DRAWN BY: CHECKED BY:

DATE: RELEASED FOR:



**REVISIONS:** 

PROJECT NUMBER 0564-001-J72

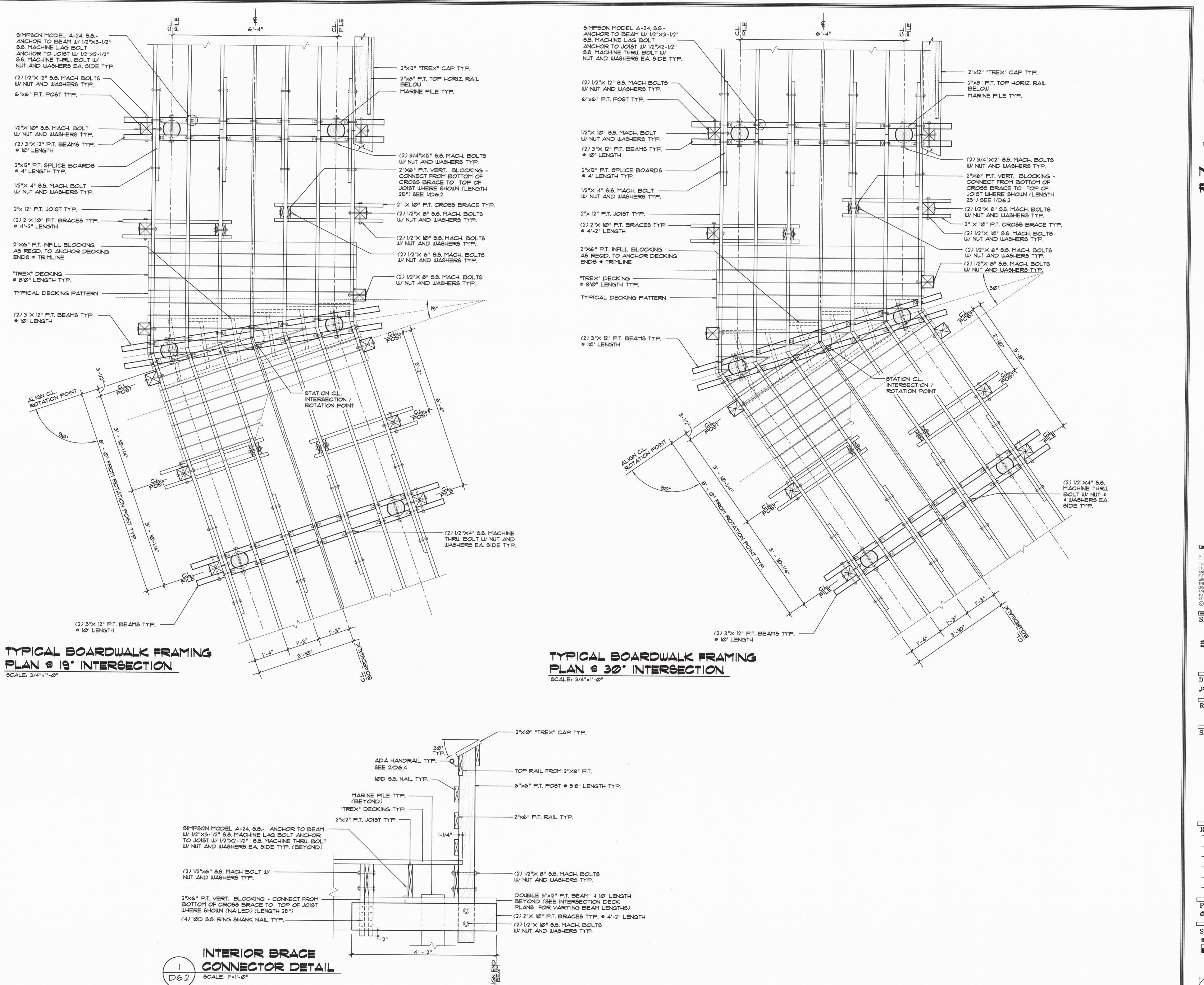
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DRAWING NO:

D6.1

G: /PROJECTS/TDC-OKA/MARLER PARK/CD/D6.1-6.5-BOARDWALK.DWG.

SHEET NO: 35 OF 70



PREPARED BY:



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8.1.03

**REVISIONS:** 

PROJECT NUMBER: 0564-001-J72

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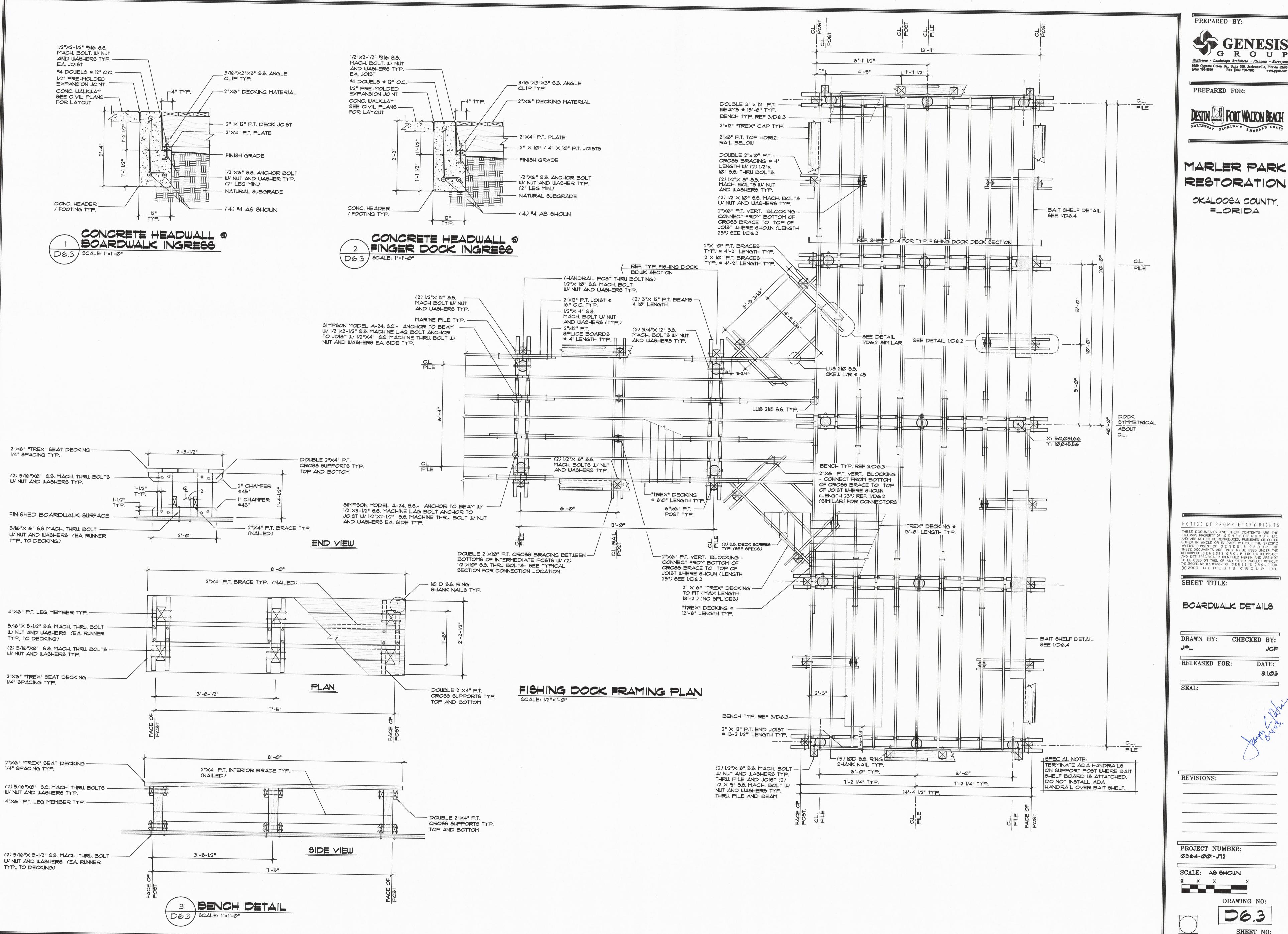
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SHEET NO: 36 OF 70



GROUP 9250 Cypress Green Dr., Suite 200, Jacksonville, Florida 32256 (904) 780-9360 Fax (904) 730-7165 www.ggise.com

MARLER PARK

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BOARDWALK DETAILS

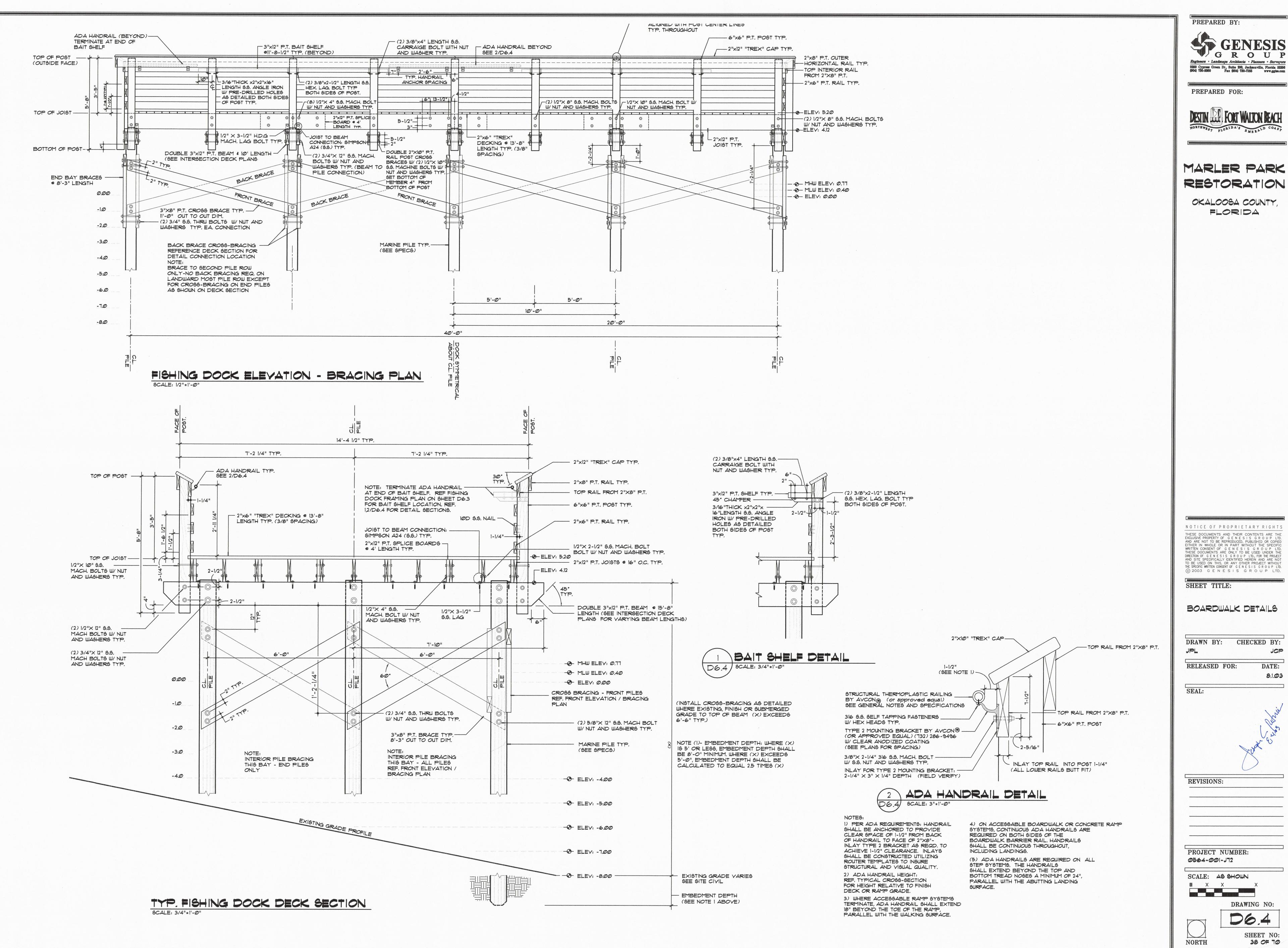
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DATE: 8.1.03



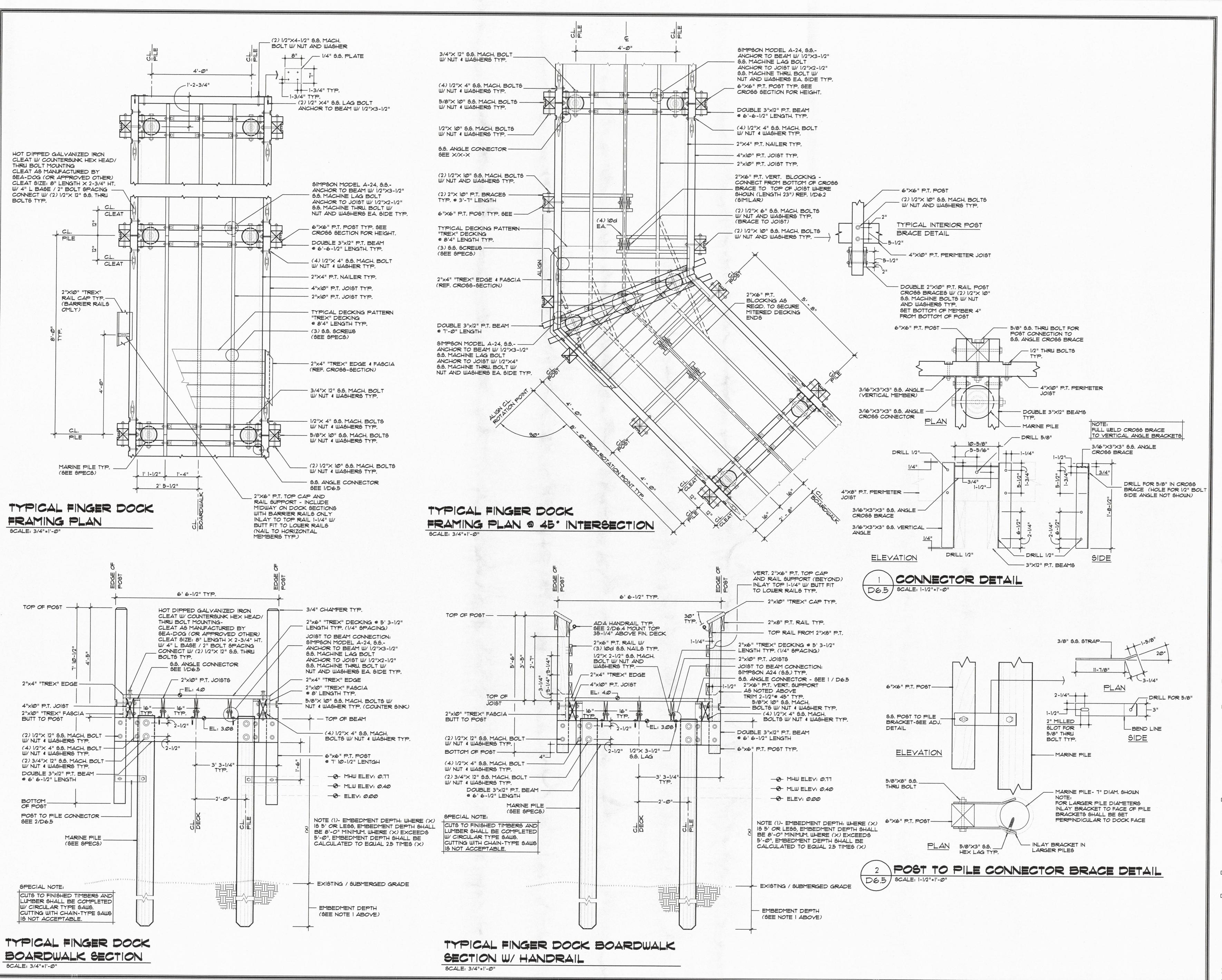
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SHEET NO: 37 OF 70



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PREPARED BY:

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SEAL:



**REVISIONS:** 

PROJECT NUMBER:

Ø564-ØØ1-J72

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NORTH

SHEET NO 39 OF 70 G: /PROJECTS/TDC-OKA/MARLER PARK/CD/D6.1-6.5-BOARDWALK.DW.

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CONSTRUCTION NOTES AND SPECIFICATIONS FOR SITE STRUCTURES
NOTE: FOR RESTROOM BUILDINGS REFERENCE PROJECT SPECIFICATIONS UNDER SEPARATE COVER
 1) STRUCTURES DESIGN PER 2001 FLORIDA BUILDING CODE, UNLESS OTHERWISE NOTED.
  LIVE LOADS:
    ROOFS AND CANOPIES: Ø TO 200 SF - 16 PSF
                         201 TO 600 SF - 14 PSF
                         OVER 601 SF - 12 PSF
    STAIRS: 100 PSF
    FLOORS: 80 PSF
  WIND LOADS:
    BASIC WIND SPEED: (ASCE 7) 130 MPH
    MEAN ROOF HEIGHT: 15 FT.
    WIND IMPORTANCE FACTOR: 10
    WIND EXPOSURE: B
    ENCLOSURE CLASSIFICATION: ENCLOSED
    INTERNAL PRESSURE COEFFICIENT: +- 0.18
    DIRECTIONALITY FACTOR (Kd): 085
    SHAPE FACTORS: PER CODE
  2) SUPPLEMENTARY NOTES:
 NAILING OF ALL MEMBERS SHALL BE IN ACCORDANCE WITH THE BUILDING CODE. REFERENCE THE CODE FOR TABLES.
 PROVIDE ALL TEMPORARY BRACING, SHORING, GUYING OR OTHER MEANS TO AVOID EXCESSIVE STRESSES AND TO HOLD STRUCTURAL ELEMENTS IN PLCE DURING
  CONSTRUCTION. THE STRUCTURE SHOULD NOT BE CONSIDERED STABLE UNTIL ALL STRUCTURAL ELEMENTS HAVE BEEN CONSTRUCTED.
  THE DESIGN CONSULTANT OF RECORD OR ANY OF ITS SUBCONSULTANTS OR THEIR EMPLOYEES SHALL NOT HAVE CONTROL OR BE RESPONSIBLE FOR CONSTRUCTION
 MEANS, METHODS, TECHNIQUES, PROCEDURES OR SEQUENCES FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, OR ANY OTHER PERSON PERFORMING THE WORK, OR FOR
  THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH CONTRACT DOCUMENTS.
  VERIFY ALL DIMENSIONS WITH ARCHITECTUAL DRAWINGS.
 SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR EMBEDS, OPENINGS, SLEEVES, ETC. NOT SHOWN ON THE STRUCTURAL DRAWINGS.
 ALL STRUCTURAL OPENINGS AROUND OR AFFECTED BY MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT SHALL BE VERIFIED WITH EQUIPMENT PURCHASED BEFORE
  PROCEEDING WITH STRUCTURAL WORK AFFECTED.
 CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS OF EXISTING STRUCTURE AND SITE THAT ARE AFFECTED BY NEW WORK BEFORE PROCEEDING WITH
  FABRICATION AND CONSTRUCTION.
 EMBEDMENT FOR EXPANSION BOLTS SHALL BE 3-1/2" MINIMUM FOR 3/4" DIAMETER BOLTS IN CONCRETE, 5-1/4" IN GROUTED MASONRY. HILTI KWIK BOLT II OR EQUAL.
  EPOXY GROUT SHALL BE POWER FAST CARTRIDGE SYSTEM BY RAWL, HY150
 CARTRIDGE SYSTEM BY HILTI: (HILTI RE500, IF HOLE IS CORED INSTEAD OF DRILLED) OR APPROVED EQUAL, UNLESS OTHERWISE NOTED. EMBED SHALL BE 12 BAR
 DIAMETERS MINIMUM, UNLESS OTHERWISE NOTED. HOLES SHALL BE 1/4" LARGER THAN REBAR SIZE AND 1/8" LARGER THAN THREADED ROD SIZE. HOLE SHALL BE BRUSHED
 CLEAN WITH BOTTLE BRUSH AND THEN BLOWN OUT WITH AIR USING A COMPRESSOR WITH A FUNCTIONAL OIL TRAP. INSTALLATION SHALL BE IN ACCORDANCE WITH
  MANUFACTURERS PRINTED INSTRUCTIONS.
  ANY ENGINEERING DESIGN PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW SHALL BEAR THE SEAL OF AN ENGINEER REGISTERED IN THE STATE OF THE PROJECT.
 ALL WOOD, EXCEPT TRIM WOODS, SHALL BE PRESERVATIVE TREATED (P.T.), BOLIDEN K-33, OSMOSE K-33 (CHROMATED COPPER ARSENATE, TYPE II) FEDERAL
  SPECIFICATION TT-W-550 OR AWP.A. LP-22-88, QCIP-88.
 TREATMENT CRITERIA: .40 LB/CF FOR GROUND CONTACT, FOOTING AND FOUNDATION CONTACT MATERIALS AND 25 LB/CF FOR NON CONTACT MATERIALS.
 SUBMITTALS: SUBMIT MANUFACTURER'S CERTIFICATION DATA FOR APPROVAL PRIOR TO BEGINNING THE WORK PROCESS.
 4) LUMBER AND TIMBER GRADES AND STANDARDS:
 BEAMS, JOISTS, DECKING, RAILINGS, AND POSTS SHALL BE NO. 2 SOUTHERN YELLOW PINE, OR BETTER, UNLESS OTHERWISE NOTED ON DESIGN PLANS. NO. 2 BOARDS SHALL
 CONFORM TO THE SOUTHERN YELLOW PINE INSPECTION BUREAU "STANDARD GRADING RULES", CURRENT EDITION WITH THE FOLLOWING EXCEPTIONS:
  - RAILING MATERIALS INSTALLED ON EDGE SHALL NOT EXCEED BOW AND CROOK ALLOWANCES GREATER THAN ESTABLISHED FOR NO. 1 BOARDS
 - WOOD DECKING, WHEN SPECIFIED, SHALL NOT DISPLAY WANE GREATER THAN ALLOWED FOR NO. 1 BOARDS.
  - ALL LUMBER AND TIMBER SHALL BE DRESSED, PROVIDE NOMINAL SIZES AS INDICATED ON DESIGN PLANS.
 MOISTURE CONTENT: SHALL NOT EXCEED 19% UPON SITE DELIVERY.
  SPECIALTY WOODS PER DESIGN PLANS:
 WESTERN RED CEDAR: GRADE C AND BETTER CLEAR
  CYPRESS: CLEAR HEART, STRAIGHT AND TRUE.
  TONGUE & GROOVE BOARDS: NO. 1 SOUTHERN YELLOW PINE OR WESTERN RED CEDAR GRADE C AND BETTER CLEAR
  TIMBER (DESIGN PER CURRENT EDITION NATIONAL SPECIFICATION FOR WOOD CONSTRUCTION)
  STRUCTURAL LUMBER: NO. 2 SOUTHERN YELLOW PINE
  GLULAM: F'b=2400 PSI F'v=240 PSI
  5) MARINE PILES:
  QUALITY AND SIZE: ASTM D-25-91, MINIMUM TIP DIAMETER NO LESS THAN 6".
 FOR FINGER DOCKS AND RETENTION / WETLANDS RESTORATION BRIDGE STRUCTURE: MINIMUM PILE DIAMETER AT THE BEAM TO PILE CONNECTION POINT SHALL BE NO LESS
 FOR FISHING DOCK: MINIMUM PILE DIAMETER AT THE BEAM TO PILE CONNETION POINT SHALL BE NO LESS THAN 8".
 PRESERVATIVE TREATMENT: AWPB MP-4-88, QICP-88, FOR CHROMATED COPPER ARSENATE, TYPE C, 25 LB/CF.
  SPECIES: SOUTHERN YELLOW PINE
 SETTING: PILES MAY BE JETTED OR DRIVEN. IN EITHER CASE, THE LAST REMAINING 2' SHALL BE HAMMER DRIVEN
 EMBEDMENT: MINIMUM 8' INTO THE NATURAL OR SUBMERGED GRADE OR AS SPECIFIED BY DESIGN PLANS.
 EROSION CONTROL AND WATER QUALITY: IN WATERS OF THE STATE, INSTALL AND MAINTAIN TURBIDITY BARRIERS IN ACCORDANCE WITH F.D.O.T. INDEX NO. 103.
 SUBMITTALS: SUBMIT MANUFACTURER'S CERTIFICATION DATA ON PRESERVATIVE TREATMENT FOR APPROVAL PRIOR TO BEGINNING THE WORK PROCESS
 CONSTRUCTION TOLERANCES: PILES SHALL BE SET TO ACHIEVE CONTINUOUS, STRAIGHT CENTERLINE ALIGNMENT AS INDICATED ON DESIGN PLANS OR, AS DIRECTED BY THE
 PROJECT ENGINEER INDIVIDUAL PILES WITHIN THE ALIGNMENT SHALL BE PLUMB ABOUT THEIR CENTERLINE WHEN CHECKED WITH A PLUMB BOB. CENTERS OF PILES IN
 CONTINUOUS STRAIGHT RUNS SHALL BE WITHIN 1-1/2" OF EITHER SIDE OF THE CENTERLINE ALIGNMENT WHEN CHECKED WITH A TAUT STRING LINE. PILES SHALL BE SPACED AT
 INTERVALS AND SET TO GRADE AS REQUIRED TO CONFORM WITH TYPICAL DETAILS AND / OR DESIGN SECTIONS. PILINGS SHALL BE FINISH TRIMMED TO MAINTAIN DESIGN
 ELEVATIONS. FINISH DECK GRADES SHALL BE WITHIN 1/4" OF GRADES INDICATED ON THE PROFILE, SECTION, OR GRADING PLAN. PILE TOPS SHALL BE NEATLY TRIMMED
 TO PROVIDE A UNIFORM AND PRECISE TONGUE DIMENSION AS SPECIFIED BY DESIGN PLANS BETWEEN BEAMS. THE TONGUE SHALL PROVIDE FULL CONTACT OF BEAM FACE
 AND DIRECT, LEVEL BEARING OF BEAM BOTTOMS. GAPS UNDER BEAMS WILL NOT BE ACCEPTED. SHIMS SHALL BE USED.
 FIELD INSPECTION: PRIOR TO INSTALLATION OF BEAMS, JOISTS, OR BRACING COMPONENTS, THE CONTRACTOR SHALL REQUEST AND OBTAIN WRITTEN APPROVAL OF PILING
 6) PRESERVATIVE TREATED SUPPORT POSTS: (NOMINAL 4"X4", 4"X6", 6"X6" AND 8"X8" P.T. MATERIALS)
 POSTS SET IN CONTINUOUS HORIZONTAL ALIGNMENT (STRAIGHT LINES) SHALL MEET THE FOLLOWING ALIGNMENT CRITERIA:
 POST FACES WHEN CHECKED WITH A TAUT STRING LINE SHALL BE WITHIN 1/8", EITHER SIDE OF THE STRING, OVER THE ENTIRE CONTINUOUS RUN.
 ROTATIONAL ALIGNMENT OF INDIVIDUAL POSTS SHALL ALSO BE WITHIN 1/8".
 INDIVIDUAL POSTS SHALL BE PLUMB ON TWO OPPOSING FACES (90 DEGREE CORNERS) WHEN CHECKED WITH A BUILDER'S LEVEL. FINISH TRIMMED POST TOPS, WHERE IN A
 CONTINUOUS, EVEN, ELEVATION OR SLOPED PLANE, WHEN CHECKED WITH A TAUT STRING LINE SHALL BE WITHIN 1/8" EITHER SIDE OF THE STRING LINE.
 FINISH GRADE: FINAL DECK GRADES SHALL BE WITHIN 1/4" OF THE GRADES INDICATED ON THE DESIGN PROFILE OR GRADING PLAN.
FIELD INSPECTION: PRIOR TO INSTALLATION OF BEAMS, JOISTS OR RAILING COMPONENTS, THE CONTRACTOR SHALL REQUEST AND OBTAIN APPROVAL OF POST LAYOUT
 AND ALIGNMENT.
1) ADA HANDRAIL SYSTEM
 HANDRAILS IN ASSOCIATION WITH WOOD FRAME BARRIER RAILS SHALL BE AS MANUFACTURED BY AVCON, INC., 1451 ROUTE 37, WEST TOMS RIVER, NEW JERSEY ØSTS5 (OR
 APPROVED OTHER)
CONTACT: LARRY STANLEY (732) 286-9496
 RAILING COMPONENTS SHALL BE EXTRUDED FROM ACRYLONITRILE STYRENE ACRYLATE (ASA) WHICH IS A HIGH PERFORMANCE THERMOPLASTIC
STRUCTURAL MOUNTING HARDWARE SHALL BE AS MANUFACTURED BY AVCON UTILIZING STAINLESS STEEL FASTENERS OR AS OTHERWISE SPECIFIED ON DESIGN PLANS.
 HANDRAILS SHALL BE CONTINUOUS THROUGHOUT THE ACCESSABLE ROUTE, AND INSTALLED ON BOTH SIDES OF A BOARDWALK (OR OTHER ACCESSWAY AS MAY BE SHOWN
IN DESIGN PLANS) THROUGH INTERMEDIATE LANDINGS AND ON LANDINGS WHERE CHANGES IN DIRECTION OCCUR.
COLOR: SUBMIT COLOR SAMPLES FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
8) DECKING, RAILING AND STEP TREAD MATERIALS FOR OUTDOOR BOARDWALK AND DOCK SYSTEMS:
DECKING, SELECTIVE RAILING COMPONENTS AND STEP TREAD MATERIALS SPECIFIED OTHER THAN WOOD SHALL BE "TREX" WOOD-POLYMER COMPOSITE AS
MANUFACTURED BY TREX COMPANY, LLC (OR APPROVED OTHER)
 TREX COMPANY, LLC
 20 SOUTH CAMERON STREET
CONTACT: (800) 289-8739 FOR LOCAL DISTRIBUTOR / DEALERS
ALTERNATIVE MANUFACTURERS OF COMPOSITE MATERIALS
 TIMBERTECH
 CRANE PLASTICS COMPANY
P.O. BOX 1047, COLUMBUS, OH 43216
CONTACT DOUG KENNARD, TERRITORY MANAGER (334) 793-6028 FOR LOCAL DISTRIBUTOR / DEALERS
NOTE: 2"X6" MATERIAL IS APPROVED FOR DECKING AND STAIR TREAD APPLICATIONS ONLY.
SUBMITTAL: SUBMIT SAMPLE OF MATERIAL AND PROPOSED FASTENER(S) FOR APPROVAL PRIOR TO INSTALLATION.
TEC WOOD - EXTERIOR FLOORING
MATERIALS INTERNATIONAL, INC.
4501 CIRCLE 75 PARKWAY, SUITE E-5370
ATLANTA, GA,
CONTACT: BILL WADE, REGIONAL SALES MANAGER (800) 256-8857 FOR LOCAL DISTRIBUTOR / DEALERS.
NOTE: MODULAR 2"X6" BOARD MATERIAL APPROVED FOR DECKING APPLICATIONS ONLY. (NOT APPROVED FOR STAIR TREAD APPLICATIONS)
SUBMITTAL: SUBMIT SAMPLE OF MATERIAL AND PROPOSED FASTENER(S) FOR APPROVAL PRIOR TO INSTALLATION.
9) FINISHES: (TRAM SHELTER, INTERPRETIVE BUILDING, GAZEBO, AND TRELLIS STRUCTURES)
NOTE: FOR RESTROOM STRUCTURES, REFERENCE DESIGN PLANS AND/OR PROJECT SPECIFICATIONS FOR WOOD TYPES AND RELATED FINISH SCHEDULES.
ALL WOOD SHALL BE PAINTED (BRUSH FINISH) UNLESS OTHERWISE NOTED ON PLANS. SPECIFIED PAINT SYSTEM IS BENJAMIN MOORE & COMPANY (BMC).
COLOR SLECTION SHALL BE COORDINATED AND APPROVED BY ARCHITECT PRIOR TO APPLICATION.
EXTERIOR PAINT SURFACES: (WOOD TRIMS, WALL FACE, EXPOSED CEILINGS, BAND BOARDS, RAFTERS, SOFFIT / FASCIA, EXPOSED BEAMS, JOISTS AND LATTICE WORK)
PROVIDE THE FOLLOWING EXTERIOR PAINT SYSTEM FOR VARIOUS SURFACES AS INDICATED. PROVIDE M-I MILDEW INHIBITOR TO ALL EXTERIOR PAINT.
NOTE: STRUCTURAL ROOF FRAME MEMBERS ON THE TRELLIS (INCLUDING LATHING), INTERPRETIVE BUILDING AND GAZEBO SHALL RECEIVE FIRST AND SECOND COATS PRIOR
TO INSTALLATION.
1ST COAT: ALKYD BASED PRIMER: MOORWHITE PRIMER 100
2ND COAT: ACRYLIC LATEX: HIGH GLOSS IMPERVEX ENAMEL
3RD COAT: ACRYLIC LATEX: HIGH GLOSS IMPERVEX ENAMEL
10) STEEL HANGERS AND CONNECTORS:
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BOLTS AND BOLTING: ALL BOLTS, NUTS AND WASHERS SHALL BE GRADE 316 STAINLESS STEEL (S.S.) UNLESS OTHERWISE SPECIFIED ON DESIGN PLANS. BOLT HEAD AND

HOT-DIPPED GALVANIZING: SHALL BE A ZINC COATING APPLIED BY DIPPING INTO A MOLTEN BATH OF ZINC AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM A123,

EXECUTION: HOLES FOR BOLTS AND LAGS: HOLES FOR THRU-BOLTING IN WOOD SHALL BORED WITH A BIT OF THE SAME DIAMETER AS THE BOLT. HOLES FOR LAGS SHALL

NUT SHALL BE DRAWN DOWN SECURELY TO THE FACE OF THE MEMBER BEING SECURED. MACHINE BOLT INSTALLATION SHALL INCLUDE ONE WASHER AT HEAD AND

THREADED ENDS WHERE IN DIRECT CONTACT WITH A WOOD SURFACE. NO WASHER IS REQUIRED WHERE MACHINE BOLT HEAD OR NUT BEAR TO THE FACE OF METAL HANGERS, UNLESS OTHERWISE SHOWN OR SPECIFIED ON DESIGN PLANS. CARRIAGE BOLTS, WHERE SPECIFIED, SHALL UTILIZE A SINGLE WASHER AT THE THREADED ENDS.

GENERALLY, NO BOLT END SHALL PROTRUDE FROM FROM THE WOOD CONNECTION GREATER THAN THREE TIMES ITS DIAMETER

GALYANIZED HARDWARE: BOLTS, NUTS, AND WASHERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A153.

NOTE: BOLTS OF APPROPRIATE LENGTH SHALL BE INSTALLED - SAW CUTTING BOLT ENDS TO OBTAIN PROPER PROJECTION IS NOT ACCEPTABLE.

OTHERWISE NOTED ON DESIGN PLANS.

NAILS AND SCREWS SHALL NOT PROTRUDE FROM VISIBLY EXPOSED SURFACES.

STAINLESS STEEL HARDWARE: SHALL BE TYPE 316, UNLESS OTHERWISE NOTED ON PLANS.

BE BORED WITH A BIT NO LARGER THAN THE BODY OF THE SCREW AT THE BASE OF THE THREAD.

HANGERS AND CONNECTORS.

A143, AND A384.

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SUBMITTALS:
ALL HANGERS AND CONNECTORS SHALL BE GRADE 316 STAINLESS STEEL (S.S.) AS MANUFACTURED BY SIMPSON STRONG-TIE CO., INC. (OR APPROVED OTHER) UNLESS
SHOP FABRICATED STEEL PLATE CONNECTORS: CONSTRUCT WITH GAUGES SPECIFIED ON DESIGN PLANS. ALL FABRICATIONS REQUIRING BENDING, DRILLING AND WELDING
SHALL BE COMPLETED PRIOR TO SITE DELIVERY UNLESS OTHERWISE SHOWN OR SPECIFIED BY DESIGN PLANS. SUBMIT SHOP DRAWINGS FOR ALL SHOP FABRICATED
ALL MATERIALS UTILIZED FOR FABRICATIONS SHALL BE PREPARED BY SAUCUTTING OR SHEARING - EDGES SHALL BE CLEAN, FREE OF BURRS AND TRUE TO DIMENSION.
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11) FASTENERS AND MOUNTING HARDWARE:
   ALL FASTENERS AND MOUNTING HARDWARE SHALL BE GRADE 316 STAINLESS STEEL (S.S.) UNLESS OTHERWISE NOTED ON DESIGN PLANS OR STATED HEREIN FOR A SPECIFIC
  WOOD CONNECTIONS: ALL TRIM WOODS WITH PAINT FINISHES SHALL UTILIZE STAINLESS STEEL NAILS OR SCREWS WITH COUNTERSINKING HEADS OF APPROPRIATE SIZE,
   LENGTH AND TYPE FOR THE INTENDED CONNECTION. (WIRE STAPLES SHALL NOT TO BE USED)
   PRE APPROVED SOURCES FOR FASTENERS: SWAN SECURE PRODUCTS (800) 966-2801 www. swansecure.com
                                      BANNER ELK TRADING CO., INC., ATLANTA GA. 1-877-909-8575 www.trimecrew.com
   3CREWS: WHERE SPECIFIED FOR DECKING INSTALLATION ON BOARDWALKS OR DOCKS, SCREWS SHALL BE R4, MULTI-PURPOSE AS MANUFACTURED BY BANNER ELK
  TRADING COMPANY, ATLANTA GA. (877) 909-8575 (OR APPROVED EQUAL) R4 SCREWS FOR DECKING INSTALLATION SHALL BE GRADE 305, PH HARDENED WITH TORX
  DRIVE, SELF COUNTERSINKING HEADS AND TYPE 17 SELF-TAPPING POINTS. SCREW SIZE FOR DECKING AND RAILING INSTALLATION SHALL BE 10 GAUGE, 3-1/2" LENGTH.
   EXECUTION: WHERE NAILS AND / OR SCREWS ARE SPECIFIED FOR WOOD CONNECTIONS, PRE-DRILLING IS REQUIRED TO MINIMIZE SPLITTING. THIS SPECIFICALLY APPLIES
   TO HANDRAIL AND DECKING COMPONENT INSTALLATION. PRE-DRILL ONLY, THE MEMBER TO BE SECURED - DRILL SIZE SHALL BE GAUGED TO ALLOW FULL THREAD
  PENETRATION.
  12) ALUMINUM FABRICATIONS AND MATERIALS:
  ROUND TUBE: GRADE 6061-T6 (MIN. WALL 1/8")
  ALUMINUM PIPE: GRADE 6061-16
  RECTANGULAR AND SQUARE TUBE: GRADE 6063-T52 (MIN. WALL 1/8")
  RECTANGULAR BAR / STRAP: GRADE 6063-T52
  SQUARE BAR: GRADE 6063-T52
  ROUND ROD: GRADE 6063-T52
  STRUCTURAL ANGLE AND CHANNEL: GRADE 6061-T6
   ARCHITECTURAL ANGLE: GRADE 6063-T5
  ARCHITECTURAL CHANNEL: GRADE 6063-T5
  ALUMINUM SHEET AND PLATE: 6061-T6
  13) PRECAST ARCHITECTURAL SPECIALTIES:
  ALL PRECAST MATERIALS SHALL BE MIN. 5,000 PSI. PRECAST CONCRETE MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM C 90 AND SHALL POSSESS
  UNIFORM COLOR THROUGHOUT THE MATERIAL COMPOSITION.
  GENERAL SCHEDULE OF PROJECT PRECAST ITEMS:
   -COLUMN CAPS AND FINIALS FOR MASONRY COLUMNS
   - WALL CAP/COPINGS
    -WATERTABLE UNITS INCORPORATED WITH MASONRY CONSTRUCTION
  COLOR: ALL PRECAST COMPONENTS SHALL MATCH BLOCK USA COLOR NO. 80 (NEW NAME: PARCHMENT / OLD NAME: BUFF)
  TEXTURE: SURFACE TEXTURE OF PRECAST ITEMS SHALL BE SMOOTH FACE DISPLAYING DENSE MATERIAL COMPOSITION.
  SHIPMENT: ALL PRECAST MATERIALS SHALL BE PROTECTED FROM SURFACE ABRASION, CRACKING AND CHIPPING DURINGSTEM: SW??? SHIPMENT. ALL MATERIALS SHALL
  BE CLEARLY LABELED AND KEYED TO MATCH DESIGN PLANS OR APPROVED SHOP DRAWING SUBMITTALS. ALL MATERIALS SHALL BE PALLETIZED AND SECURELY BOUND
  FOR TRANSIT AND SITE DELIVERY.
     1) SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW AND APPROYAL PRIOR TO FABRICATION OF PRECAST COMPONENTS.
    2) MATERIAL SAMPLES: (2) SAMPLES REPRESENTATIVE OF EACH PRECAST MATERIAL OR COLOR (APPROXIMATE SIZE 3" THICK X 6" SQUARE)
     PROVIDE ONE SAMPLE WITH SEALANT MATERIAL APPLIED AS SPECIFIED AND ONE SAMPLE WITHOUT.
     PRE-APPROVED MANUFACTURERS INCLUDE THE FOLLOWING:
     -ROCKCAST (800) 482-6466, CONTACT: KEN LAND
     -TANNERSTONE (170) 463-1932 CONTACTS: ROBERT CASON, ESTIMATOR OR BILL BREED, SALES AND OPERATIONS
     -SIERRA STONE (SIERRA ARCHITECTURAL INDUSTRIES, INC.) (513) 665-2000 CONTACT: RYAN HILL
    3) SUBMITTAL: LAB TESTS ON PRECAST MATERIAL BASED ON 1" THICKNESS X 2" SQUARE MATERIAL SAMPLE PROVIDING DOCUMENTATION OF PSI.
  14) CONCRETE: (DESIGN PER CURRENT EDITION ACI 318)
  SLAB ON GRADE: F'C=3000 PSI
  FOOTINGS: F'C=3000 PSI
 ALL OTHER CONCRETE: F'C=3000 PSI
 CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (LATEST EDITION) EXCEPT AS
  MODIFIED BY REQUIREMENTS OF THE CONTRACT DOCUMENTS.
  REINFORCEMENT:
 REINFORCING STEEL: ASTM A615, GRADE 60
  WELDED WIRE FABRIC: ASTM A185
  UNLESS OTHERWISE NOTED ON DESIGN PLANS, MINIMUM COVER FOR REINFORCING SHALL BE AS FOLLOWS:
   FOOTINGS: 3"
   COLUMNS AND PEDESTALS: 2"
   SLABS ON GRADE: 2" FROM TOP
  ALL REINFORCEMENT SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES IN CONFORMANCE WITH CRSI MANUAL OF STANDARD PRACTICE AND ACI 315
  UNLESS OTHERWISE NOTED, SPLICES IN REINFORCING, WHERE PERMITTED, SHALL BE AS FOLLOWS:
  WELDED WIRE FABRIC: WIRE SPACING PLUS 6"
  REINFORCING BARS: 40 BAR DIAMETERS
  ALL HOOKS IN REINFORCING BARS SHALL BE PER ACI STANDARDS, UNLESS OTHERWISE NOTED.
  DOWELS WHERE INDICATED SHALL BE PLACED AND SECURED PRIOR TO CONCRETE PLACEMENT.
  15) FOUNDATIONS:
  SOIL BEARING (DESIGN MAXIMUM) 2000 PSF
 IF FOOTING ELEVATIONS INDICATED ON DESIGN PLANS OCCUR IN A DISTURBED, UNSTABLE, OR UNSTABLE SOIL, THE PROJECT ARCHITECT / ENGINEER SHALL BE NOTIFIED
  CONCRETE JOINTING AND JOINT LAYOUT SHALL BE IN ACCORDANCE WITH ACI 330.
 17) CONCRETE MASONRY:
  (DESIGN PER CURRENT EDITION ACI 530)
  COMPRESSIVE STRENGTH: F'M=1500 PSI
 MASONRY CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF "SPECIFICATIONS FOR MASONRY
 STRUCTURES"-ACI 530.1/ASCE 6 (LATEST EDITION) EXCEPT AS MODIFIED BY REQUIREMENTS OF THE CONTRACT DOCUMENTS.
 HOLLOW, LOAD-BEARING CONCRETE MASONRY UNITS: ASTM C90, TYPE II HOLLOW CONCRETE MASONRY UNITS.
  AGGREGATE FOR MASONRY MORTAR: ASTM C144.
 SOLID LOAD-BEARING CONCRETE MASONRY UNITS: ASTM C145.
 MORTAR FOR UNIT MASONRY: ASTM C270.
  GROUT FOR MASONRY: ASTM C476.
 INSPECTION: IN ACCORDANCE WITH ACI 530-99 QUALITY ASSURANCE LEVEL 2.
 PROJECT SPECIALTY MASONRY: SHALL BE AS MANUFACTURED BY BLOCK USA OR APPROVED OTHER
 ROCK FACE UNITS: SIZES AND UNIT TYPES AS SPECIFIED ON DESIGN PLANS - COLOR SHALL BE NO. TI (OLD NAME WINE, NEW NAME COLONIAL BLUSH)
 COLOR SMOOTH FACE UNITS: UNITS INCLUDE "WALL-BLOCK", 12" AND 16" SQUARE COLUMN BLOCK AND STANDARD MASONRY SHAPES - REFERENCE DESIGN PLANS FOR
 COLOR SHALL BE NO. 80 (OLD NAME BUFF, NEW NAME PARCHMENT).
 18) STRUCTURAL STEEL: (DESIGN PER CURRENT EDITION AISC), UNLESS OTHERWISE NOTED, MATERALS SHALL BE AS FOLLOWS:
 W-SHAPES: ASTM 992, Fy=50 KSI
 OTHER SHAPES AND PLATES: ASTM A36, Fy=36 KSI
 HSS SQUARE AND RECTANGULARSTEM: SW??? SHAPES: ASTM A500 GRADE B, Fy=46 KSI
 HSS ROUND SHAPES: ASTM A53 GRADE B, Fy=35 KSI
 WELDING ELECTRODES: AWS A5.1 OR A5.5 SERIES ETO
 HIGH-STRENGTH BOLTS: 3/4" DIAM. ASTM A325
 ANCHOR BOLTS: ASTM A307
 WELDED STUDS: ASTM AIØS
 DEFORMED BARS: ASTM A496
PAINT AND PROTECTION: SSPC PAINT 25
 ALL STRUCTURAL STEEL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF AISC "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS", AISC "SPECIFICATIONS
FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS", AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", AND AWS DI.1 "STRUCTURAL
 WELDING CODE"
EXCEPT AS MODIFIED BY THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
 JOINT SEALS SHALL BE A 2-PART POLYSULFIDE OR POLYURETHANE CONFORMING TO U.S. FEDERAL SPECIFICATION TT-S-00227E
POURING (SELF LEVELING) COMPOUNDS SHALL BE TYPE I AND GUN GRADE. (NON SAG) COMPOUNDS SHALL BE TYPE 2. SEALANTS SHALL BE APPLIED IN STRICT
 ACCORDANCE WITH THE INSTRUCTIONS OF THE MANUFACTURER, USING A SUITABLE PRIMER IF NECESSARY.
 APPROVED SEALANTS: SIKAFLEX BY SIKA CHEMICAL COMPANY, HORNFLEX-L BY WR. GRACE COMPANY AND VULKEM 245 BY TREMCO, INC.
 PROJECT APPLICATION: MASONRY COLUMNS, CAST IN PLACE WALL AND COLUMN JOINTS, PAVING JOINTS, CONCRETE FLOOR JOINTS.
20) EXPANSION JOINT MATERIAL:
UNLESS OTHERWISE SPECIFIED ON DESIGN PLANS, JOINT MATERIAL SHALL BE 3/8" THICKNESS REFLEX® AS MANUFACTURED BY THE J.D. RUSSEL COMPANY. (OR APPROVED
EQUAL). (800) 888-6772.
EXP. JT. MATERIAL SHALL EXTEND THROUGH THE FULL THICKNESS OF THE CONCRETE PAVEMENT.
PAVERS SHALL CONFORM TO ASTM C 936 - STANDARD 2-1/4"X 3-5/8"X 7-5/8" AND 2-1/4"X 7-5/8" UNITS FOR PEDESTRIAN AREAS AND 3-1/8"X 3-5/8"X 7-5/8" UNITS
FOR ROADWAY APPLICATIONS (INCLUDING CROSSWALKS)
COLOR: SHALL BE APPROVED BY LANDSCAPE ARCHITECT / PROJECT ENGINEER PRIOR TO INSTALLATION.
INSTALLATION PATTERN: REFERENCE DESIGN PLANS.
THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING, INSTALLING, MAINTAINING AND REMOVING EROSION / SILT CONTROL BARRIER AS MAY BE REQUIRED BY THE
STATE OF FLORIDA OR LOCAL AGENCIES DURING CONSTRUCTION.
23) SITE FURNITURE:
BIKE RACKS: AS MANUFACTURED BY BRP ENTERPRISES, INC. CONTACT: BURKETT R. POWELL. 3200 O STREET. LINCOLN, NE 68510. TEL: (888)-438-5311. FAX: (888)-438-5312
(OR APPROVED OTHER) BIKE RACK SPECIFICATION: WA2-09-EM-PF-RAVEN.
BENCHES: AS MANUFACTURED BY PILOT ROCK®, PARK EQUIPTMENT. CONTACT: DALE M. HASNER. SOUTHERN PARK AND PLAY SYSTEMS, INC. P.O. BOX 120339. WEST
MELBOURNE, FL 32912-0339. TEL: (321)-129-9700. FAX: (321)-129-8351 (OR APPROVED OTHER) BENCH SPECIFICATION: PURB/G-(X)PC. (PORTABLE CONTOUR BENCH,
GALY. FRAME WITH BLACK ENAMEL FINISH, REF. DESIGN PLANS FOR BENCH LENGTH, 100% RECYCLED PLASTIC, CEDAR). USE S.S. BOLT TO ANCHOR BENCH TO CONCRETE.
PICNIC TABLES: AS MANUFACTURED BY PILOT ROCK® PARK EQUIPTMENT. CONTACT: DALE M. HASNER. SOUTHERN PARK AND PLAY SYSTEMS, INC. P.O. BOX 120339. WEST
              2312-0353. TEL: (3217-125-3 100. FAX: (3217-125-835) (OR APPROVED OTHER) PICNIC TABLES SPECIFICATION: SQT/G-4PC. (4' PORTABLE SQUARE
TABLE, GALY. FRAME WITH BLACK ENAMEL FINISH, 100% RECYCLED PLASTIC, CEDAR).
WHEELCHAIR ACCESSIBLE PICNIC TABLES: AS MANUFACTURED BY PILOT ROCK® PARK EQUIPTMENT. CONTACT: DALE M. HASNER. SOUTHERN PARK AND PLAY SYSTEMS,
INC. P.O. BOX 120339. WEST MELBOURNE, FL 32912-0339. TEL: (321)-729-9700. FAX: (321)-729-8357 (OR APPROVED OTHER) PICNIC TABLES SPECIFICATION:
SQT3/G-4PC/E. (4' PORTABLE SQUARE TABLE, EXTENDED FOR WHEELCHAIR ACCESSIBILITY, WITH GALV. FRAME AND BLACK ENAMEL FINISH, 100% RECYCLED PLASTIC,
GAME TABLES: AS MANUFACTURED BY DUMOR® SITE FURNISHINGS. CONTACT: DAVID MOSS, STEM: SW777REP SERVICES. 305 ALLISON AVENUE. LONGWOOD, FLORIDA
32750. TEL: (407)-831-9658. FAX: (407)-834-5366 (OR APPROVED OTHER). GAME TABLE SPECIFICATION: GAME TABLE 18, TWO SEATS, "CEDAR" RECYCLED PLASTIC,
SURFACED PLATE MOUNTING, "FLEX BLACK" POLYESTER POWDER FINISH).
TRASH RECEPTACLES & STEEL DOME LID: AS MANUFACTURED BY PILOT ROCKSH® PARK EQUIPTMENT. CONTACT: DALE M. HASNER. SOUTHERN PARK AND PLAY SYSTEMS,
INC. P.O. BOX 120339. WEST MELBOURNE, FL 32912-0339. TEL: (321)-129-9700. FAX: (321)-129-8357 (OR APPROVED OTHER). TRASH RECEPTACLE SPECIFICATION:
TRH/G-55PC24 (TRASH RECEPTACLE HOLDER, GALY, FRAME WITH BLACK ENAMEL FINISH, 55 GALLON, 100% RECYCLED PLASTIC, CEDAR, 2"x4" SLATS). STEEL DOME LID
SPECIFICATION: CN/W-1855. (STEEL DOWN LID, BROWN POWDER-COATED ENAMEL, W/ THUMB SCREW FASTENERS).
PARK GRILL: AS MANUFACTURED BY PILOT ROCK® PARK EQUIPTMENT, CONTACT: DALE M. HASNER, SOUTHERN PARK AND PLAY SYSTEMS, INC. P.O. BOX 120339. WEST
MELBOURNE, FL 32912-0339. TEL: (321)-129-9100. FAX: (321)-129-8351 (OR APPROVED OTHER). PARK GRILL SPECIFICATIONS: EC-26/5 B2 (EC SERIES COVERED GRILL,
18-1/2"x28"x16-1/2" HIGH, STEEL PLATE UTILITY SHELF, PERMANENT BASE INSTALLATION PER MANUFACTURER'S SPECS).
BUOY SYSTEM: SWIM AREA BUOY SYSTEM SHALL BE AS MANUFACTURED BY RECREONICS, INC. CONTACT: MICHAEL E. GARLAND-EXECUTIVE VICE PRESIDENT. 4200
SCHMITT AVENUE. LOUISVILLE, KENTUCKY 40213. TEL: (800)-428-3254. FAX: (800)-428-0133. BUOYS ARE PLACED AT 36' INTERVALS, EACH BUOY SHALL BE SECURED BY
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AN APPROVED ANCHOR SYSTEM. HANDILOCK FLOATS ARE POSITIONED AT 5' ON CENTER BETWEEN EACH BUOY. 1/2" ROPE IS USED TO TIE SYSTEM TOGETHER.

PREPARED BY:

GROU 250 Cypress Green Dr., Suite 200, Jacksonville, Florida 322 904) 780-9860 Fax (904) 780-7165 www.ggise.co

PREPARED FOR:

MARLER PARK RESTORATION

> OKALOOSA COUNTY FLORIDA

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SHEET TITLE:

CONSTRUCTION NOTES AND SPECIFICATIONS FOR SITE STRUCTURES

CHECKED BY: DRAWN BY:

RELEASED FOR:

8/1/03

**REVISIONS:** 

PROJECT NUMBER: Ø564-ØØ1-J72

SCALE: NOT APPLICABLE M X X X

DRAWING NO:

SHEET NO: 34 OF 70 G:/PROJECTS/TDC-OKA/MARLER PARK/CD/D5.10-SPECS.DW