**PARTIAL ELEVATION**

**PLAN VIEW - FISHING PIER**

**NOTES:**
1. 3"x8" P.T. STRINGER
2. 3"x12" PILE CAP STRINGER
3. 3"x8" BLOCKING
4"x4"x4"-5" PT PINE POST WITH 5/8" BOLTS (TYP.)

EL: 24'-9 1/4" T.O. DECKING

1'-4"

18" SQUARE FOOT CONCRETE PILE (TYP.)

6x20 PT PINE PILE CAP TIMBERS WITH 1" SS HEX THRU BOLT AT EACH PILE (TYP.)

PROVIDE SIMPSON HU38 W/ 2MAX FINISH Ø 3"x8" BLOCKING TO 3"x14" STRINGER (TYP.)

3x14 PT PINE STRINGER

6x20 PT PINE PILE CAP TIMBERS WITH (4) 1" SS BOLT AT EACH PILE (TYP.)

EL: 24'-9 1/4" T.O. DECKING

1 1/4"x6"x8"-0"
IPE DECKING W/ 20" SPACE BETWEEN PLANKS (TYP.)

3"x14 P.T. PINE STAIR STRINGER

3"x8" BLOCKING (TYP.)

RAILING TO TERMINATE AT POSTS AT CORNER OF CONC. PILES

X-BRACING REFER TO ELEVATION ON S-3.1A

NORTH OBSERVATORY DECK - FRAMING PLAN
1/4"=1'-0"
ROOF FRAMING PLAN

1. ALL NUTS, BOLTS, AND WASHERS SHALL BE STAINLESS STEEL TYPE 316 (30)
   UNLESS NOTED OTHERWISE.
2. LUMBER SIZES INDICATED ARE NOMINAL.
3. LUMBER SHALL BE 6.4 PRESSURE TREATED CEDAR SOUTHERN YELLOW PINE
   C1500 EXCEPT FOR STRUCTURAL LUMBER WHICH SHALL BE C6.4 PT DIY AND
   EXCEPT FOR PIPE DECKING AND TOP RAIL WHICH SHALL NOT BE TREATED.
4. BONDWALL DECKING, TOP WALKS AND DECK TAPER MUST BE CONSTRUCTED
   IN Accordance With ALL REQUIREMENTS OF THE CODE.
5. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL
   PRIOR TO FABRICATION.

NOTE:
- ROOF DECKING SHALL BE TONGUE AND GROOVE 2X6 STP.
- 3/4 x 4" BEAM
- 3/4 x 2" BEAM
- 3/4 x 2" Rafter
- 5/8" THRU BOLTS W/ NUTS & WASHERS EA R/F BEAM TYP.
- SEE DETAILS 5
- SEE DETAILS 4
- CT: 5'-3 1/4"
- 18" SQUARE FOOT CONCRETE PILE (TYP.)
- 12" 4
SOUTH OBSERVATORY DECK - PLAN VIEW

1/4"=1'-0"
1. **WIND LOADS AS PER:**
   - A. SECTION 1609 OF THE FLORIDA BUILDING CODE 5TH EDITION (2014) WITH AN ULTIMATE WIND SPEED VLT = 110 MPH (COMMON WIND SPEED VLT = 74 + 5 MPH FOR WIND CATEGORY EXPOSURE C AND INDOOR PRESSURE COEFFICIENT +0.0).  
   - B. THIS BUILDING IS DESIGNED AS A OPEN BUILDINGS.
2. The project was designed in accordance with the:
   - B. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE BUILDINGS.  
   - C. NATIONAL DESIGN SPECIFICATION Wood Construction No.5/ Latest Edition.
3. **ARCHITECTURAL AND MECHANICAL DRAWINGS**:  
   A. The architectural drawings are part of the contract documents and do not by themselves provide all the information required to properly complete the project structure. The contractor and his design must coordinate the architectural, mechanical, and electrical drawings and coordinate the drawings with the structural drawings to properly construct the project.  
   B. Before ordering any materials or doing any work, the contractor shall verify all measurements to properly size or fit the work. No extra charge or compensation will be allowed by the owner resulting from the contractor's failure to comply with this requirement.
4. **DESIGNER'S DRAWINGS**:  
   A. All structures have been designed to resist the design loadings listed in each contract document. The General Contractor shall coordinate the architectural and structural drawings in progress with the structures completed. The General Contractor shall also provide that its specifications and procedures provide no loading greater than the design loads specified in any contract.
5. **SECTIONS AND DETAILS**:  
   A. All details and sections shown on the drawings are intended to be typical, and shall apply to similar situations elsewhere, unless otherwise shown.

**SPECIALTY ENGINEERED PRODUCTS**

1. The general contractor is responsible to coordinate the proper submission of specialty engineered shop drawings which shall be signed and sealed by an engineer registered in the state of Florida. It is the general contractor's responsibility to ensure that all shop drawings are submitted in a timely manner so as to allow review and recommendations as required. All specialty engineered products shall be designed for the appropriate gravity loads and wind loads including uplift and lateral loads. Interior specialty products shall be designed for the appropriate gravity loads and wind loads. Interior specialty products shall be designed for interior use only.  
2. **CONCRETE**
   1. **CONCRETE ELEMENTS TO HAVE THE FOLLOWING STRENGTHS:**
      - A. FOUNDATIONS: 3,000 PSI
      - B. ALL OTHER CONCRETE TO BE 3,000 PSI UNLESS NOTED OTHERWISE.
5. **WOOD**
   1. **ALL STRUCTURAL WOOD MEMBERS ARE DESIGNED AS "DRY USE." MOISTURE CONTENT MUST BE 12% OR LESS.**  
   2. **ALL LUMBER SHALL BE SOUTHERN PINE SPECIES #1 GRADE OR APPROVED EQUAL.**  
   3. **ALLOWABLE DESIGN STRESSES SHALL BE PER NATIONAL DESIGN SPECIFICATION (NDS) LATEST EDITION.**  
   4. **WOOD CONNECTIONS:** All nails used for structural framing members shall be common nails. All nails, stainless steel bolts, screws, and straps shall be approved and certified. All wood connections shall be designed and installed with equal loads about the joint line. Use Simpson Strong-Tie connector products or approved equal. The nails will not be permitted.
6. **TUBER**
   1. **ALL STRUCTURAL TIMBER TO:**  
      - A. SOUTHERN PINE SPECIES #1 GRADE (MINIMUM) OR APPROVED EQUAL.  
      - B. BE DESIGNED BY THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION'S "1975 DESIGN SPECIFICATION MANUAL."  
5. **CONTRACTOR**:  
   A. **CONTRACTOR** BE SIGNED AND SEALED BY A REGISTERED ENGINEER IN THE STATE OF FLORIDA.

**DESIGN LOAD SCHEDULE**

(ALL LOADS SHOWN ARE IN POUNDS PER SQ. FT.)

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>LOAD</th>
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<tbody>
<tr>
<td>CONCRETE</td>
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