# OKALOOSA COUNTY

## Residential Dock Application/Requirements

Owner's Name: _____Phone #:_____

Owner's Address: _____City:_____

Contractor's Business Name: _____Phone #:_____

Contractor's Address: _____

City: _____ State:_____ Zip Code:_____

Contractor's Certificate of Competency #: _____Fax#:_____

Address of Work to be done: _____

Description of Work: _____

Parcel ID #: _____

Cost of Construction: _____

**Submittal Requirements for Residential Docks:**

1. Proof of property ownership. This can be a recorded deed, closing statement, or property tax information.
2. Two sets of construction plans are required. Copies of engineered plans submitted for FDEP or U.S. Army Corps of Engineers permits can be used. If FDEP or Army Corps of Engineers permits are not needed or do not require engineered plans, then plans drawn by the applicant may be submitted provided they are drawn to scale and show lumber spans and means of attachment as provided in the accompanying design guidelines.
3. A scaled Site Plan or Certified Survey showing setbacks, rights-of-way, and/or easements as well as extension of property lines into the subject water body. If the structure is proposed to be located wholly or in part within an easement, please include a letter from the entity controlling the easement granting permission for the proposed structure. No structure may cross the riparian extension of a property line without the written permission of the affected adjacent property owner (if structure is proposed to cross the riparian extension of a property line, please attach a letter of permission from the owner of the affected adjacent property owner with an original ink signature).
4. Attach a copy of FDEP Permit or U.S. Army Corps of Engineers permits as required for structures to be built over State or Federal jurisdictional waters. If FDEP self-certification for private residential docks is used in lieu of FDEP Permit, attach copy of self-certification form. (For private residential docks 1,000 square feet or less in area outside of aquatic preserves, FDEP allows applicants to utilize an on-line self-certification process. Within an aquatic preserve, the self-certification

process for private residential docks is only available for docks 500 square feet or less in area. The only Aquatic Preserve in Okaloosa County is Rocky Bayou. The Aquatic Preserve designation for Rocky Bayou only covers that portion of Rocky Bayou EAST of the State Road 20 Rocky Bayou Bridge. The boundaries of the Rocky Bayou Aquatic Preserve are shown in the attached map taken from the Rocky Bayou Aquatic Preserve Management Plan and are described in Book 593, Pages 742-745 of the Official Records of Okaloosa County.)

5. If building on Okaloosa Island, please attach approval from the Okaloosa Island Lease Holders Association.
6. Residential Dock Application
7. Recorded Notice of Commencement before first inspection.
8. If proposed dock includes a covered boathouse or other roof structure, this application must be accompanied by engineered drawings for the proposed boathouse or other roof structure.

## Electrical Permits are required for <u>all</u> lifts, lights, outlets and motorized devices.

By signing this application I hereby certify that all the information contained in this application and accompanying documents, including information pertaining to easements, rights-of-way, is true and accurate, and that the subject property is free of any encumbrance that could preclude the construction of the dock as applied for pursuant to this application.

**<u>WARNING TO OWNER:</u> YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS OF YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOU LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.**

_____ _____

Signature of Contractor or Owner/Builder Date

**NOTARY INFORMAITON:**

STATE OF: _____ COUNTY OF: _____

The above Contractor or Owner/Builder, whose name is _____,

personally appeared before me and is known by me or has produced identification (type of I.D.)

_____ on this ____ day of _____ 20____.

_____ _____

Notary's Signature My Commission Expires

| SPECIFICATIONS FOR FRESH & SALTWATER/BRACKISH AREAS | | | | |
|---|---|---|---|---|
| Component | Dimension | Grade | Freshwater Standards | Saltwater Standards |
| Piling (round) | Specify min. Diameter and length | ASTM D25 | .80 CCAAWPAC3 | 2.5 CCAAWPA C-2 C-18 |
| Piling (square) | 6 X 6, 6 X 8, 8 X 8 | SaltwaterMarine Grade #1 Freshwater #2 | .40 CCAAWPA C2 | 2.5 CCAAWPA C-2 C-18 |
| Wailers | 1 X 6 and greater | SaltwaterMarine Grade #1 Freshwater #2 | .40 CCAAWPA C2 | 2.5 CCAAWPA C-2 C-18 |
| Sheet Piles | 2" to 6 " thick | SaltwaterMarine Grade #1 Freshwater #2 | .40 CCAAWPA C2 | 2.5 CCAAWPA C-2 C-18 |
| Crown Bracing | 2" to 4" thick | SaltwaterMarine Grade #1 Freshwater #2 | .40 CCAAWPA C2 | 2.5 CCAAWPA C-2 C-18 |
| Split Pile Caps | 2" to 4" thick | No 1 premium | .40 CCAAWPA C2 | .60 CCAAWPA C-2 C-18 |
| Stringers | 2 X 8, 2 X 10, 2 X 12 | No 1 premium | .40 CCAAWPA C2 | .60 CCAAWPA C-2 C-18 |
| Decking | 5/4 deckboard to 2 X 6 | No 1 premium | Decking and Handrail requirements are above ground so .25 CCAAWPA C2 specs are required | |
| Handrails | 2 X 4, 2 X 6 | No premium | | |
| Wallcaps | 2 X 4, 2 X 8, 2 X 10 | No 1 premium | | |

# SIZING DOCK PILE CAPS

## MAXIMUM LOADING / POUNDS PER LINEAR FOOT (PLF)

## SYP #2 P.T.

### UNIFORM LOAD / SIMPLE BEAM SPAN / NDS-91

**40# LIVE LOAD; 6# DEAD LOAD; 46# TOTAL LOAD**

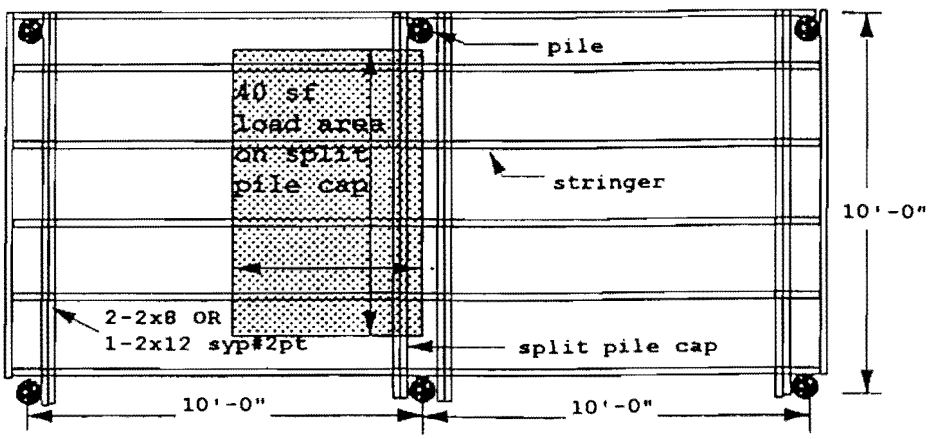
## PILE CAP SPAN:

| SIZE | 4' | 5' | 6' | 7' | 8' | 9' | 10' |
|---|---|---|---|---|---|---|---|
| 1-2x8 | 450 | 330 | 260 | 210 | 160 | 125 | 100 |
| 2-2x8 | 900 | 660 | 520 | 420 | 320 | 250 | 200 |
| 1-2x10 | 670 | 460 | 355 | 290 | 230 | 180 | 145 |
| 2-2x10 | | | 715 | 585 | 460 | 360 | 290 |
| 1-2x12 | | | 485 | 375 | 315 | 245 | 200 |

Go to desired pile cap span column to a value equal or greater then follow line across to size pile cap.

FORMULA:

LOAD AREA x DESIGN LOAD = TOTAL LOAD  TOTAL LOAD / PILE CAP SPAN = LOAD PER LF




LOAD AREA ON PILE CAP HAS BEEN REDUCED FROM 50sf TO 40sf BY ATTACHING EACH END STRINGERS TO PILES WITH (2) 5/8" x 5" HDG LAG BOLTS W/ WASHERS AT EACH PILE LOCATION

5' x 8' = 40 sq.ft. x 46# = 1,840 PSF  1,840/10 = 184 PLF *

*required beam with a (10') ten foot span with a 184# plf load would be a 2-2x8 or 1-2x12

## WORK SHEET

_____ X 46# = _____ / _____ = _____

# SOUTHERN PINE SPAN TABLES

*Maximum spans given in feet and inches*
*Inside to inside of bearings*

## TABLE 1 FLOOR JOISTS – 30 PSF LIVE LOAD, 10 PSF DEAD LOAD, 360 DEFLECTION

SLEEPING ROOMS AND ATTIC FLOORS

| Size (inches) | Spacing (inches on center) | Grade | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Visually Graded | | | | Machine Stress Rated (MSR) | | | Machine Evaluated Lumber (MEL) | | |
| | | SS | No.1 | No.2 | No.3 | 2400f - 2.0E | 2250f - 1.9E | 1950f - 1.7E | M23 | M14 | M29 |
| 2x6 | 12.0 | 12-3 | 12-0 | 11-10 | 10-5 | 12-9 | 12-6 | 12-0 | 12-3 | 12-0 | 12-0 |
| | 16.0 | 11-2 | 10-11 | 10-9 | 9-0 | 11-7 | 11-4 | 10-11 | 11-2 | 10-11 | 10-11 |
| | 19.2 | 10-6 | 10-4 | 10-1 | 8-3 | 10-10 | 10-8 | 10-4 | 10-6 | 10-4 | 10-4 |
| | 24.0 | 9-9 | 9-7 | 9-4 | 7-4 | 10-1 | 9-11 | 9-7 | 9-9 | 9-7 | 9-7 |
| 2x8 | 12.0 | 16-2 | 15-10 | 15-7 | 13-3 | 16-9 | 16-6 | 15-10 | 16-2 | 15-10 | 15-10 |
| | 16.0 | 14-8 | 14-5 | 14-2 | 11-6 | 15-3 | 15-0 | 14-5 | 14-8 | 14-5 | 14-5 |
| | 19.2 | 13-10 | 13-7 | 13-4 | 10-6 | 14-4 | 14-1 | 13-7 | 13-10 | 13-7 | 13-7 |
| | 24.0 | 12-10 | 12-7 | 12-4 | 9-5 | 13-4 | 13-1 | 12-7 | 12-10 | 12-7 | 12-7 |
| 2x10 | 12.0 | 20-8 | 20-3 | 19-10 | 15-8 | 21-5 | 21-0 | 20-3 | 20-8 | 20-3 | 20-3 |
| | 16.0 | 18-9 | 18-5 | 18-0 | 13-7 | 19-5 | 19-1 | 18-5 | 18-9 | 18-5 | 18-5 |
| | 19.2 | 17-8 | 17-4 | 16-5 | 12-5 | 18-3 | 18-0 | 17-4 | 17-8 | 17-4 | 17-4 |
| | 24.0 | 16-5 | 16-1 | 14-8 | 11-1 | 17-0 | 16-8 | 16-1 | 16-5 | 16-1 | 16-1 |
| 2x12 | 12.0 | 25-1 | 24-8 | 24-2 | 18-8 | 26-0 | 25-7 | 24-8 | 25-1 | 24-8 | 24-8 |
| | 16.0 | 22-10 | 22-5 | 21-1 | 16-2 | 23-7 | 23-3 | 22-5 | 22-10 | 22-5 | 22-5 |
| | 19.2 | 21-6 | 21-1 | 19-3 | 14-9 | 22-3 | 21-10 | 21-1 | 21-6 | 21-1 | 21-1 |
| | 24.0 | 19-11 | 19-6 | 17-2 | 13-2 | 20-8 | 20-3 | 19-7 | 19-11 | 19-7 | 19-7 |

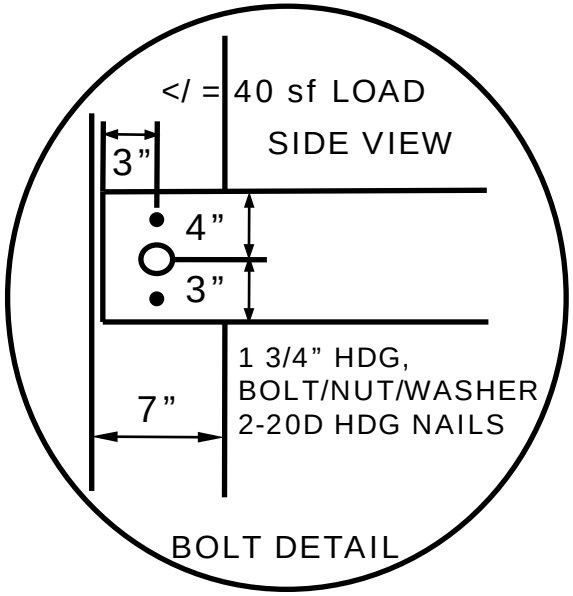
These spans are intended for use in enclosed structures or where the moisture content in use does not exceed 19 percent for an extended period of time unless the table is labled Wet-Service. Applied loads are given in psf (pounds per square foot). Deflection is limited to the span in inches divided by 360, 240, or 180 and is based on live load only. The load duration factor, $C_D$, is 1.0 unless shown as 1.15 or 1.25. An asterisk (*) indicates the listed span has been limited to 26'0" based on availability, check sources of supply for lumber longer than 20'. Highlighted sizes/grades are NOT commonly produced.

## TABLE 2 FLOOR JOISTS – 40 PSF LIVE LOAD, 10 PSF DEAD LOAD, 360 DEFLECTION

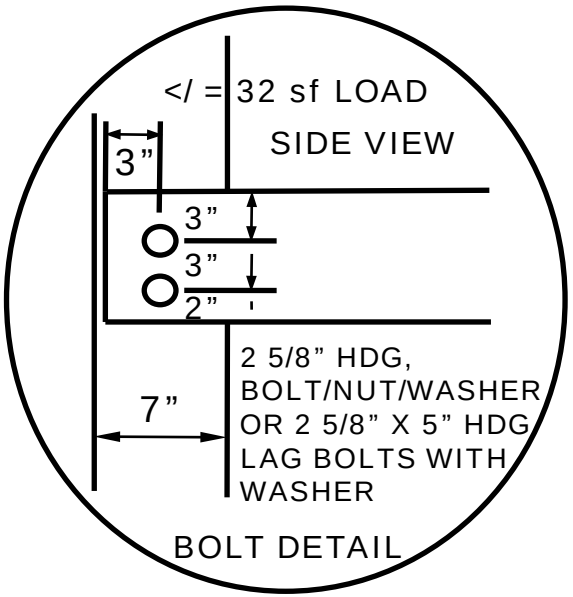
ALL ROOMS EXCEPT SLEEPING ROOMS AND ATTIC FLOORS

| Size (inches) | Spacing (inches on center) | Grade | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Visually Graded | | | | Machine Stress Rated (MSR) | | | Machine Evaluated Lumber (MEL) | | |
| | | SS | No.1 | No.2 | No.3 | 2400f - 2.0E | 2250f - 1.9E | 1950f - 1.7E | M23 | M14 | M29 |
| 2x6 | 12.0 | 11-2 | 10-11 | 10-9 | 9-4 | 11-7 | 11-4 | 10-11 | 11-2 | 10-11 | 10-11 |
| | 16.0 | 10-2 | 9-11 | 9-9 | 8-1 | 10-6 | 10-4 | 9-11 | 10-2 | 9-11 | 9-11 |
| | 19.2 | 9-6 | 9-4 | 9-2 | 7-4 | 9-10 | 9-8 | 9-4 | 9-6 | 9-4 | 9-4 |
| | 24.0 | 8-10 | 8-8 | 8-6 | 6-7 | 9-2 | 9-0 | 8-8 | 8-10 | 8-8 | 8-8 |
| 2x8 | 12.0 | 14-8 | 14-5 | 14-2 | 11-11 | 15-3 | 15-0 | 14-5 | 14-8 | 14-5 | 14-5 |
| | 16.0 | 13-4 | 13-1 | 12-10 | 10-3 | 13-10 | 13-7 | 13-1 | 13-4 | 13-1 | 13-1 |
| | 19.2 | 12-7 | 12-4 | 12-1 | 9-5 | 13-0 | 12-10 | 12-4 | 12-7 | 12-4 | 12-4 |
| | 24.0 | 11-8 | 11-5 | 11-0 | 8-5 | 12-1 | 11-11 | 11-5 | 11-8 | 11-5 | 11-5 |
| 2x10 | 12.0 | 18-9 | 18-5 | 18-0 | 14-0 | 19-5 | 19-1 | 18-5 | 18-9 | 18-5 | 18-5 |
| | 16.0 | 17-0 | 16-9 | 16-1 | 12-2 | 17-8 | 17-4 | 16-9 | 17-0 | 16-9 | 16-9 |
| | 19.2 | 16-0 | 15-9 | 14-8 | 11-1 | 16-7 | 16-4 | 15-9 | 16-0 | 15-9 | 15-9 |
| | 24.0 | 14-11 | 14-7 | 13-1 | 9-11 | 15-5 | 15-2 | 14-7 | 14-11 | 14-7 | 14-7 |
| 2x12 | 12.0 | 22-10 | 22-5 | 21-9 | 16-8 | 23-7 | 23-3 | 22-5 | 22-10 | 22-5 | 22-5 |
| | 16.0 | 20-9 | 20-4 | 18-10 | 14-6 | 21-6 | 21-1 | 20-4 | 20-9 | 20-4 | 20-4 |
| | 19.2 | 19-6 | 19-2 | 17-2 | 13-2 | 20-2 | 19-10 | 19-2 | 19-6 | 19-2 | 19-2 |
| | 24.0 | 18-1 | 17-5 | 15-5 | 11-10 | 18-9 | 18-5 | 17-9 | 18-1 | 17-9 | 17-9 |

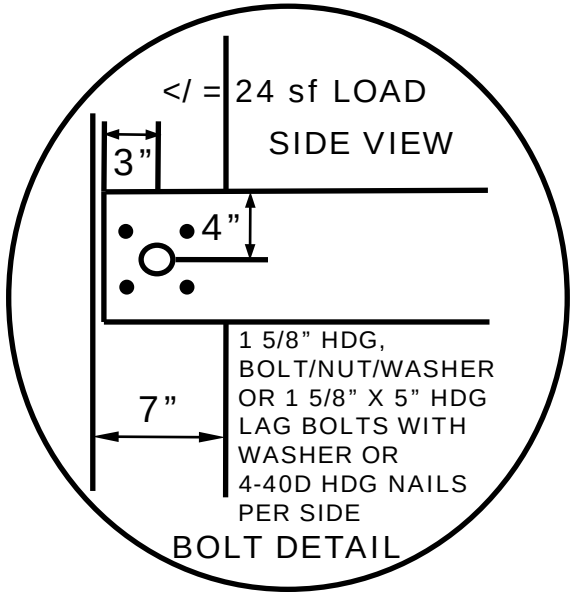
These spans are intended for use in enclosed structures or where the moisture content in use does not exceed 19 percent for an extended period of time unless the table is labled Wet-Service. Applied loads are given in psf (pounds per square foot). Deflection is limited to the span in inches divided by 360, 240, or 180 and is based on live load only. The load duration factor, $C_D$, is 1.0 unless shown as 1.15 or 1.25. An asterisk (*) indicates the listed span has been limited to 26'0" based on availability; check sources of supply for lumber longer than 20'. Highlighted sizes/grades are NOT commonly produced.



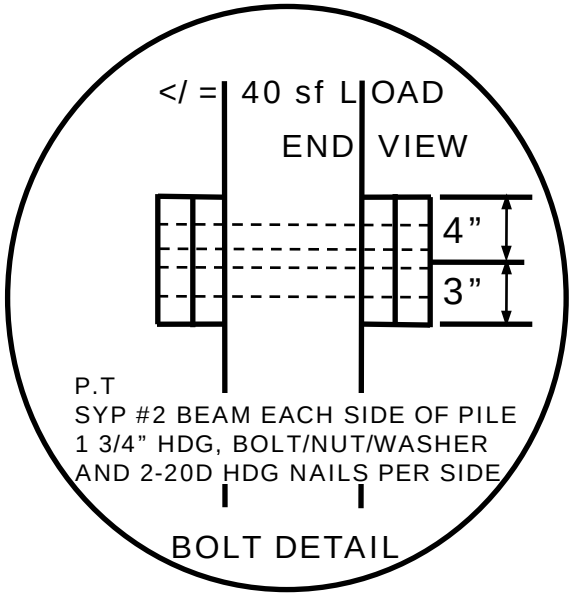
BOLT DETAIL



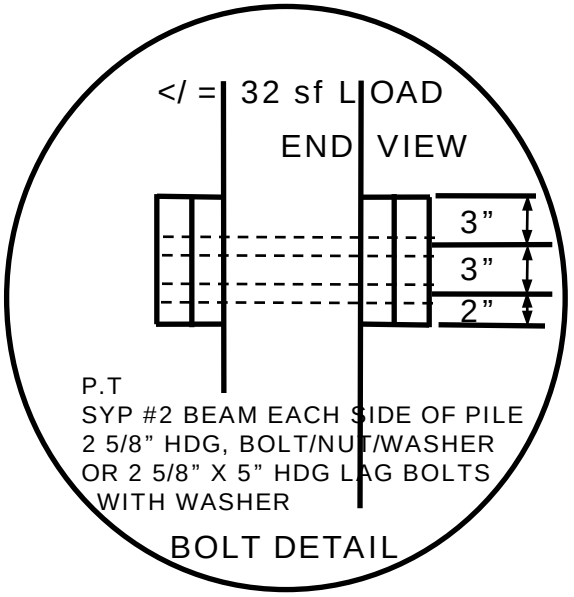
BOLT DETAIL



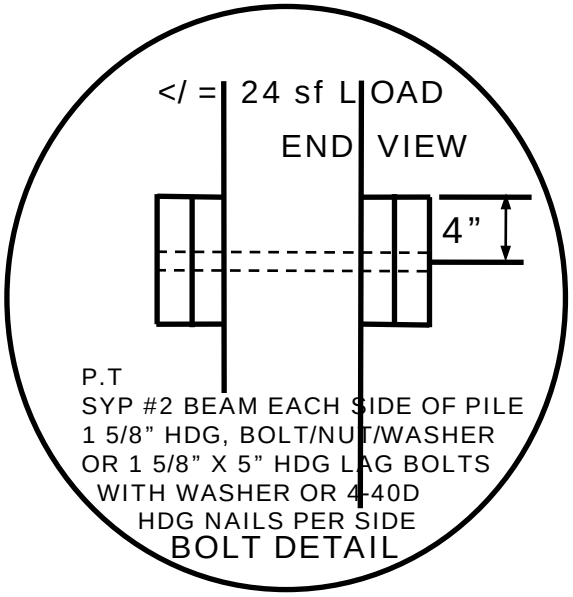
BOLT DETAIL



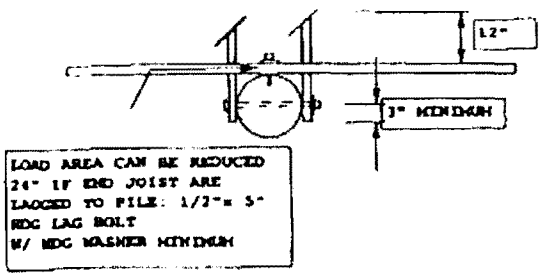
BOLT DETAIL



BOLT DETAIL



BOLT DETAIL




Plan View Pile Layout

THIS SPACE IS PROVIDE FOR YOUR DESIGN

ALL PLANS TO SCALE

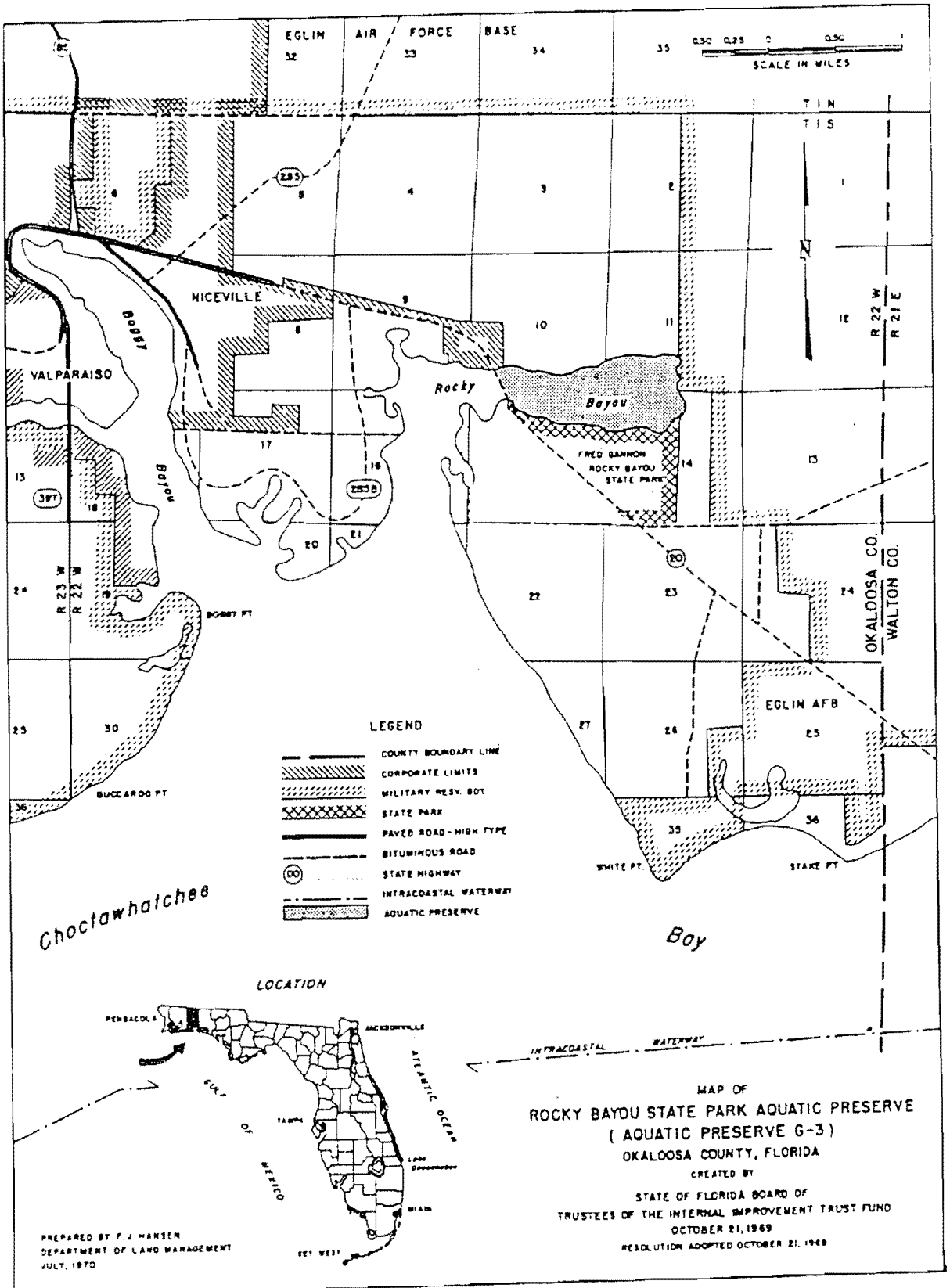



Figure 2 - Aquatic Preserve Boundary Map