DATE 06/25/2010

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000028689

APPLICANT BROOKS HAYES PHONE 850-251-5458

ADDRESS 1424 PIEDMONT DRIVE EAST TALLAHASSEE FL 32308

OWNER COLUMBIA COUNTY (FT WHITE LIBRARY) PHONE 758-1005

ADDRESS 17700 SW SR 47 FORT WHITE FL 32038

CONTRACTOR ALLEN FRANKLIN PHONE 850-668-4498

LOCATION OF PROPERTY 47 S, TURN RIGHT JUST BEFORE MINI STORAGE AND ACROSS FROM FORT WHITE HIGH SCHOOL

TYPE DEVELOPMENT COMM LIBRABRY ESTIMATED COST OF CONSTRUCTION 0.00

HEATED FLOOR AREA 5063.00 TOTAL AREA _____ HEIGHT 27.00 STORIES 1

FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 4/12 FLOOR SLAB

LAND USE & ZONING FORT WHITE MAX. HEIGHT _____

Minimum Set Back Requirments: STREET-FRONT _____ REAR _____ SIDE _____

NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO. _____

PARCEL ID 28-6S-16-03967-004 SUBDIVISION _____

LOT _____ BLOCK _____ PHASE _____ UNIT _____ TOTAL ACRES 6.05

		CGC053620		
Culvert Permit No.	Culvert Waiver	Contractor's License Number		Applicant/Owner/Contractor
DOT PERMIT	10-0296-N	BK	HD	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: NOC ON FILE, FORT WHITE COMPLIANCE LETTER REC'D, DOT PERMIT REC'D, FIRE DEPT.LETTER ON PLANS REC'D, SRWMD PERMIT REC'D, NO CHARGE COUNTY

Check # or Cash NO CHARGE

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ date/app. by Foundation _____ date/app. by Monolithic _____ date/app. by

Under slab rough-in plumbing _____ date/app. by Slab _____ date/app. by Sheathing/Nailing _____ date/app. by

Framing _____ date/app. by Insulation _____ date/app. by

Rough-in plumbing above slab and below wood floor _____ date/app. by Electrical rough-in _____ date/app. by

Heat & Air Duct _____ date/app. by Peri. beam (Lintel) _____ date/app. by Pool _____ date/app. by

Permanent power _____ date/app. by C.O. Final _____ date/app. by Culvert _____ date/app. by

Pump pole _____ date/app. by Utility Pole _____ date/app. by M/H tie downs, blocking, electricity and plumbing _____ date/app. by

Reconnection _____ date/app. by RV _____ date/app. by Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 0.00 CERTIFICATION FEE $ 0.00 SURCHARGE FEE $ 0.00

MISC. FEES $ 0.00 ZONING CERT. FEE $ _____ FIRE FEE $ 0.00 WASTE FEE $ _____

FLOOD DEVELOPMENT FEE $ _____ FLOOD ZONE FEE $ _____ CULVERT FEE $ _____ **TOTAL FEE** 0.00

INSPECTORS OFFICE _____ CLERKS OFFICE CH

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

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

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

April 5, 2010

To: **ALL PLAN HOLDERS** **VIA EMAIL**
Total No. of Pages: **33**

Re: **ADDENDUM No. 3**
NEW FT. WHITE BRANCH LIBRARY
AAA Project No. 0906

Please note the following changes to the Specifications and Drawings:

1. Specification Front-end & Dwg. Cover Clarification: Note #16 on Dwg. Cover is correct, except that the permit fee is being waived by the county.

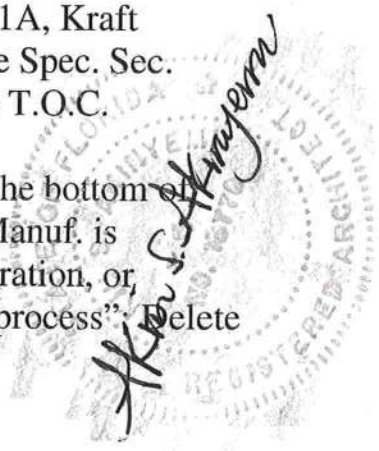
2. Specification Table of Content: Add "Appendix "C" – TUFF Board Product Data" and see revised Sht. A2.2 for application.

3. Specification Sections 02361 & 06100, and Drawing Sheets S1.0 & SK-4: Delete Para. 3.3 (Borate), 3.4 (bait station), & Para. 3.5 (Metal Mesh) of Sec. 02361. Only Para. 3.2 (soil treatment) is required for this project. Delete General Note #15 on the drawing Cover sheet, see note F. (2) on Sht. S0.1 and Para. 2.7 of sec. 06100 for wood required to be treated. Essentially, the following lumber applications are not required to be treated: 5/8" plywood roof deck, Hardie plank soffit, & 1x blocking supporting Hardie plank soffit on SK-4, and Wood trusses in Sec. 06176. Lumber in contact with masonry shall be pressure treated, i.e. Top plate at CMU walls.

4*. Specification Sections 04200: Add Para. 2.2E: "Design Basis Product/Manuf. is Scruggs Concrete, 807 River Str., Valdosta, GA 31601. Ph. (800) 832-7748. The textured **field** color shall be **#309 Folkston**, ribbed **accent #1** shall be **#204 Clay Red** and the smooth **accent #2** shall be **#315 Coffee Cream**, or comparable profile/color subsequently selected via the shop drawing process". Other acceptable manuf. include: A-1 Block Corporation, Florida Rock, and OldCastle. All blocks shall be gray based colors and pre-sealed; provide manufacturer's certification.

5. Specification Section 07220 and Drawing Sheets A2.2: a) In Para. 2.1A, Kraft backing is acceptable for Batt Insulation; b) In Para. 2.1C, add "3. See Spec. Sec. 07215 for additional Info.". Which is attached herewith and added to T.O.C.

6*. Specification Sections 07311, Para. 2.02: Delete "a", "b", & ""c" at the bottom of Para. 2.02A (13); Replace Para. 2.02B with: "Design Basis Product/Manuf. is **Timberline 30, Shakewood color** by GAF Building Materials Corporation, or comparable profile/color subsequently selected via the shop drawing process"; Delete the 2nd "1." In Para. 2.02D and delete reference to "match exist.".



7. Specification Sections 08110, 08211, & 08800 and Drawing Sheets A1.1 & A1.3: Glazing for windows and doors in rated walls shall be FireLite by Technical Glass Products (TGP), ph. (800) 426-0279, email: sales@fireglass.com; or approved equal.

8. Specification Sections 08211: In Para. 2.2A, replace "solid core construction" with "stave core construction".

9. Specification Sections 08710: Replace the entire section with the attached, which includes a complete hardware schedule and do away with allowances.

10*. Specification Section 09300, and Drawing Sheet A1.2: Replace Para. 2.2 with: "Design Basis Product/Manuf. is 8"x8" Porcealto Graniti for floors, 4¼"x4¼" Semi-Gloss for walls, both from **daltile** price group 1; Color selection of field and accent tiles shown on A1.2:

	Field:	Accent "1"/"A":	Accent "2"/"B":
Floor:	Duna di Sabbia CD98	Labradorite CD49	Roca Antico CD56
Walls:	Golden Granite 0138	Spa 0148	Urban Putty 0161

Use thin set application for floor and walls, wall backing per Para. 2.7

11. Specification Section 09510, and Drawing Sheet A3.0: As noted on the top right corner of sht. A3.0, the only ACT in use is ACT #1: Armstrong's 24x24 Georgian Mina board. Comparable products of other manuf. listed in Para. 2.1 A or subsequently approved as equal are also applicable.

12. Specification Section 09680: Add Para. 2.1B: "Design Basis Product/Manuf. is Shaw's 24"x24" Carpet Tiles.

13. Specification Section 10426, and Drawing Sheet A1.1, signage schedule: No type 'C' sign is currently identified and if required will be part of the $5,000 allowance.

14. Drawing Sheet A0.0: See attached SK-5 for information regarding staking the building, temp. power, and power to exterior signage.

15. Drawing Sheet A1.0: See attached full-size sheet showing added notes and revisions to door #100 & wall types.

16. Drawing Sheet A1.1: See attached full-size sheet showing revisions to finish & door schedules, and door/window details.

17. Drawing Sheet A1.3: See attached full-size sheet showing revisions to window frame type "A" and sill profile/material on 3/A1.3.

18. Drawing Sheet A2.1: See attached SK-6 for location of the Draft Wall.

19. Drawing Sheet A4.0: See attached SK-7 for addition of ridge vents to both building and canopy roofs.

20. Drawing Sheet A5.0: Bulletin board and security turnstiles shown on this sheet is N.I.C.

21. Drawing Sheet S1.0: Concrete Patio at rear (west side) of building shall be included in the contractors bid, all other exterior walks are not in contract.

22. Drawing Sheet S2.0: Revise the beam call out on section B/S2.0 to read "W14 STEEL BEAM".

23. Drawing Sheet S2.0: See attached SK-S1 thru SK-S3 for locations and detail of additional support for the king trusses on the hip ends.

24. See attached 3-pages from MEP Southeast for Mech/Elec revisions.

*The owner reserves the right to select other colors or profiles as long as they are in the same price group, OR may upgrade for reasonable extra charge in accordance with change order procedure of front-end spec. sec. "I" (see addendum 1).

-- END OF ADDENDUM #3 NARRATIVE ---

Filename: S:\0906-FtWhiteLibr-Corres-bid\addendum3-0906.doc

SECTION 07215

FOAM CORE FILL INSULATION

PART 1 GENERAL

1.01 WORK INCLUDED: This Section covers the Work necessary to complete, the following products furnished and installed under this Section:

A. Foamed-in-place thermal insulation in all exterior masonry walls.

B. This product is to be used only in CMU walls.

1.02 GENERAL

A. See GENERAL and SUPPLEMENTARY GENERAL CONDITIONS and Division 1, GENERAL REQUIREMENTS, which contain information and requirements that apply to the Work specified herein and are mandatory for this Project.

1.03 RELATED SECTIONS

A. SECTION 04200 - MASONRY

B SECTION 07220 - BUILDING INSULATION

1.04 QUALITY ASSURANCE

A. Insulation shall be manufactured and installed in compliance with the Florida Building Code and other applicable building codes.

B. Provide certification that insulation is noncombustible.

1.05 SUBMITTALS: Submittals during construction shall be made in accordance with SECTION 01300, SUBMITTALS. In addition, the following specific information shall be provided:

A. Manufacturer's Literature: Submit manufacturers' technical literature for type of building insulation specified herein. **Insulation shall be noncombustible.** Provide documentation with Shop Drawing submittals.

B. Submit Certified Test by an independent third party nationally recognized Testing Laboratory indicating that the product emits less than one (1) part per million formaldehyde out gassing under twenty-four (24) hours. **Contractor shall retain bag/product labels and Material Specification Data Sheet (MSDS) data on-site for review by the Architect.**

1.05 DELIVERY, STORAGE AND HANDLING

A. Deliver, store and handle materials or equipment under provisions of SECTION 01600, MATERIAL AND EQUIPMENT.

B. Clearly identify manufacturer, contents, brand name, applicable standard, and "R" value.

C. Store materials off ground and keep dry at all times. Protect against weather, condensation, and damage. Immediately remove damaged material from site.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Tailored Chemical Company. Florida Distributor: Tailored Foam of Florida, Inc., P.O. Box 520986, Longwood, FL 32752, Phone: (407) 332-0333, FAX: (407) 830-9174.

B. Air Krete, Inc., P.O. Box 380, Weedsport, New York, 13166; Phone: (315) 934-6609

C. Thermco, P.O. Box 860, Mt. Pleasant, Iowa, 52641; Phone 9319) 385-3744.

2.02 MATERIALS

A. Foamed-in-place thermal insulation shall be equal in all respects to:

1. CORE-FILL 500 Non-toxic Amino-plast resin.

2. Products as manufactured by companies listed above are acceptable, provided they meet all the requirements of the specifications.

2.03 THERMAL INSULATION REQUIREMENTS

A. Provide minimum R-14 in 8-inch CMU walls.

B. Provide minimum R-20 in 12-inch CMU walls.

C. Provide written Certification as to insulation rating provided upon completion of installation.

PART 3 EXECUTION

3.01 GENERAL

A. Coordinate installation where other trades whose work, or the required inspection of their work, could be affected.

3.02 INSTALLATION

A. Foamed-in-place installation shall be installed in full accordance with approved manufacturer's instructions and requirements.

B. To the greatest extent possible, holes for insertion of foam shall be placed above finish ceilings or behind base at floor. Note all interior and exterior faces of CMU walls at Apparatus Bays are to be left exposed.

C. Fill all cells completely with foam insulation material.

D. Repair CMU wall to "like new" condition. All exposed holes shall be grouted flush with adjacent surface with colored grout to match the colored CMU.

3.03 CLEANUP

A. Remove all containers, wrappings, and scrap insulation material from site weekly at a minimum. Leave floors broom clean. Do not allow wrappings and scrap material to blow off the site.

END OF SECTION

3.1.2.2 Ductwork

Ductwork penetrating 1 hour assemblies without a fire damper, insulated or un-insulated, shall have the voids between the ductwork or insulation and the prepared opening filled with fire stopping material. The material shall be installed as recommended by the manufacturer.

3.1.3 Fire Dampers

Fire dampers in ducts and penetrations of fire resistance rated construction shall be furnished and installed in accordance with the requirements.

3.1.4 Electrical Cables or Conduits

Electrical cables or conduit penetrating fire resistance rated assemblies shall be fire stopped as listed in the Underwriters Laboratories. Fire stopping at penetrations shall also comply with the requirements of NFPA 70.

3.2 INSPECTION

Fire stopped areas shall not be covered or enclosed until inspection is complete and approved.

END OF SECTION

SECTION 08710
FINISH HARDWARE

PART 1 – GENERAL

1.01 SUMMARY

A. This Section includes the following:

1. Commercial door hardware for the following:
   a. Swinging doors.
   b. Other doors to the extent indicated.

2. Cylinders for the door specified in the other Sections

3. It is intended that the hardware listed herein will cover all finish hardware to complete the project. It shall be the supplier's responsibility to furnish hardware in accordance with the intent of this Section. Omissions and discrepancies shall be brought to the Architect's attention during the bid period. Where by virtue of design or function, a change is necessary, hardware of equal design and quality shall be furnished at no additional cost to the Owner. Provide all hardware required for this Project, whether or not specifically called in the Hardware Schedule, which may not be all inclusive.

4. See door schedule on plans for doors that required louvers.

1.02 GENERAL

A. See GENERAL and SUPPLEMENTARY GENERAL CONDITIONS and Division 1, GENERAL REQUIREMENTS, which contain information and requirements that apply to the Work specified herein and are mandatory for this Project.

1.03 RELATED SECTIONS

A. SECTION 08110 – Hollow Metal Work.
B. SECTION 08211 – Wood Doors.

1.04 REFERENCES

A. In addition to the current Florida Building Code, 2004 Edition and 2005 and 2006 Supplements, State and Local Building Codes, comply the documents and standards of the following:

1. BHMA/ANSI Standards A156.1-30.

2. ICC/ANSI A117.1 1998 Usable Building and Facilities.

3. NFPA- 80 Fire Door and Windows – 2000.

4. NFPA-101 Life Safety Code – 2000.

5. NFPA-105 Installation of Smoke Control Door Assemblies–2000.

6. DHI Standards.

7. Florida Building Code Wind Load Requirements, for an EHPA Certified Building, per ASCE 7-05 wind speed for a 140 M.P.H., Building Importance Factor 1.15.

1.05 SUBMITTALS

A. General requirements: All submittals shall be in accordance with Section 01300.

B. SCHEDULES: Provide Finish Hardware Schedules detailing each opening individually within two weeks after receipt of contract. Use the Vertical format scheduling method as outlined in the DHI brochure "Sequence and Format for the Hardware Schedule". The horizontal format will not be allowed. **Separate fire rated doors and non rated doors using different headings.** Separate doors of different sizes in headings that have all doors of the same size and like hardware. Provide six (6) copies.

C. SAMPLES: Provide samples of the products listed in the Schedule as required by the Architect. Furnish one (1) item that is representative of the manufacturers' series that is being supplied.

D. TEMPLATES: Within one (1) week after receipt of an approved Hardware Schedule provide template information to related door and frame suppliers to prepare for the installation of mortise hardware and reinforcement of surface mounted hardware. Provide three (3) copies for distribution.

E. PRODUCT DATA: Together with the Finish Hardware Schedule provide catalog cuts highlighting each item that is being proposed, including appropriate ANSI/BHMA criteria and special mounting instructions. Provide six (6) copies.

F. KEYING SCHEDULE: **Schedule a meeting with the Owner's Representative, Art Butler, for keying information.** Incorporate the keying information as outlined in DHI's manual "Keying Procedures, Systems and Nomenclature". Provide six (6) copies.

G. CYCLE TESTING: Submit independent lab test verifying the minimum cycle test requirements listed within this specification for locksets, door closers and exit devices. Any product that does not meet the specified cycle testing is not acceptable. Provide six (6) copies.

1.05 QUALITY ASSURANCE

A. The supplier to be a directly franchised distributor of the products to be furnished and have in their employ an AHC (Architectural Hardware Consultant). This person is to be available for consultation to the Architect, Owner and the General Contractor at reasonable times during the course of work.

B. The finish hardware supplier shall prepare and submit to the Owners Rep. six (6) copies of a complete schedule identifying each door and each set number, following the numbering system and not creating any separate system himself. He shall submit the schedule for review, make corrections as directed and resubmit the corrected schedule for final approval. Approval of schedule will not relieve Contractor of the responsibility for furnishing all necessary hardware, including the responsibility for furnishing correct quantities.

C. No manufacturing orders shall be placed until detailed schedule has been submitted to the Owners Rep. and written approval received.

D. After hardware schedule has been approved, furnish templates required by manufacturing contractors for making proper provisions in their work for accurate fitting, finishing hardware setting. Furnish templates in ample time to facilitate progress of work.

E. Hardware supplier shall have an office and warehouse facilities to accommodate the materials used on this project. The supplier must be an authorized distributor of the products specified.

F. The hardware manufactures are to supply both pre-installation instruction as well as a post-installation walk-thru. This is to insure proper installation and provide for any adjustments or replacements of hardware as required.

G. Furnish Hardware for fire rated openings that meet NFPA 80. Furnish only hardware that has been tested and listed by UL or FM for fire rated openings. All labeled doors to have ball bearing steel hinges, a door closer and a lockset to meet the requirements of NFPA 80. Where exit devices are specified or required on Fire Rated Doors furnish only those devices that have been tested and listed "FIRE EXIT HARDWARE."

1.06 DELIVERY, STORAGE, AND HANDLING

A. Wrap, protect finishing hardware items for shipment. Deliver to manufacturing contractors hardware items required by them for their application; deliver balance of hardware to job; store in designated location. Each item shall be clearly marked with its intended location.

B. STORAGE: Store material in a dry, secured area, within the building, free from dust and dirt within a controlled environment.

C. HANDLING: Provide strict control over access to the storage area so that completion of the work will not be delayed due to hardware losses.

1.07 WARRANTY

A. General Warranty: All hardware shall comply with warranties under requirements of the Contract Documents.

B. Written Warranty: Provide a written warranty on materials and workmanship are guaranteed against defects for a period of one year from the date of Substantial Completion. Defective hardware shall be repaired or replaced at no expense to the Owner.

C. Special Warranty: Provide separate written warranties as follows:

1. Manual Closers 10 years
2. Exit Devices 10 years
3. Cylindrical Locks 7 years
4. Mortise Locks 5 years

PART 2 - PRODUCTS

2.01 MANUFACTURERS

A. The descriptive plate numbers as used in the Hardware Schedule establish the type, quality, material and finish acceptable for each item and are listed from current catalogs of the following firms:

ITEM		SPECIFIED MANUFACTURER
1.	Hinges	IVES
2.	Locks	SCHLAGE
3.	Door Closers	LCN
4.	Cylinders	SCHLAGE
5.	Kick Plates	IVES
6.	Door Stops	IVES
7.	Silencers	IVES

HW SET: 01
DOOR NUMBER:
100 PAIR OF STOREFRONT DOORS

EACH TO HAVE:

2	EA	PIVOT SET	7226	626	IVE
2	EA	PIVOT	7226 INT	626	IVE
2	EA	POWER TRANSFER	EPT10	689	DOP
2	EA	PANIC HARDWARE	ELLX1692NL-OP	628	DOP
2	EA	CYLINDER	MULTI LOCK	626	MLC
2	EA	OFFSET DOOR PULL	8190-2	630	IVE
2	EA	AUTO-EQUALIZER	4642	689	LCN
2	EA	OVERHEAD STOP	900S	630	GLY
1	EA	WALL PLATE SWITCH	7910-952	689	LCN
1	EA	FLUSH MOUNT BOX	7910-969-6	689	LCN
1	EA	ACTUATOR	7910-918	689	LCN
1	EA	MOUNT BOX	7910-919	689	LCN
1	EA	INTERFACE BOX	JB7	GRY	VON
1	EA	POWER SUPPLY	PS873 X 871-2		DOP
1	EA	KEYSWITCH	653-04	630	SCE

HW SET: 02
DOOR NUMBER:
101 STOREFRONT DOOR

EACH TO HAVE:

2	EA	PIVOT SET	7226	626	IVE
2	EA	PIVOT	7226 INT	626	IVE
2	EA	PANIC HARDWARE	ELLX1692NL-OP	628	DOP
2	EA	CYLINDER	MULTI LOCK	626	MLC
2	EA	OFFSET DOOR PULL	8190-2	630	IVE

HW SET: 03
DOOR NUMBER:
101A STOREFRONT DOOR 111A

EACH TO HAVE:

3	EA	HINGE	5BB1HW 4.5 X 4.5 NRP	630	IVE
1	EA	PANIC HARDWARE	99NL X 299F	626	VON
1	EA	CYLINDER	MULTI LOCK	626	MLC
1	EA	SURFACE CLOSER	4110 AVB EDA SRI X ST2730	689	LCN
1	EA	OVERHEAD STOP	900S	630	GLY
1	SET	GASKET	PS-074 HEAD AND JAMBS		STE
1	EA	DOOR SWEEP	202NA	AL	NGP
1	EA	THRESHOLD	950V	AL	NGP
1	EA	AUDIBLE ALARM			

DOOR, FRAME AND HARDWARE TO MEET THE FBC WINDLOAD/IMPACT REQUIREMENTS

2.02 FINISHES:

A. The designation used in the hardware groups is to be industry recognized standards for commercial finishes as established by BHMS.

1.	Hinges – Exterior	630
2.	Hinges – Interior	652
3.	Locks	626
4.	Exit Devices	626
5.	Closers	689
6.	Trim	626 630

2.03 KEYING:

A. Provide master key only; master key with #1 bitting all 6 pins. SC1 keyway.

B. Hardware supplier to provide temporary cylinders or cores during the Construction Phase. The Contractor is to change out the temporary cylinders for the permanent cylinders after Final Acceptance of the Project. Contactor to return temporary cores to distributor.

C. Furnish all change keys with manufacturer's standard key bow. All keys shall be stamped "DO NOT DUPLICATE" on the opposite side. In addition, all change keys shall be stamped with the key set number as listed on the approved key schedule. Master keys shall be stamped as directed by Owner.

PART 3 - EXECUTION

3.01 INSTALLATION:

A. All hardware shall be applied and installed in accordance with the Finish Hardware schedule. Care shall be exercised not to mar or damage adjacent work.

B. Contractor to provide a secure lock-up for hardware delivered to the project but not yet installed. Control the handling and installation of hardware items that are not immediately replaceable, so that the completion of the work will not be delayed by hardware losses both before and after installation.

C. No hardware is to be installed until the hardware manufactures have provided a pre-installation class to insure proper installation of the specified products. A post installation inspection by a manufacturer's representative will be provided to insure proper installation.

3.02 ADJUSTING AND CLEANING:

A. Contractor shall adjust all hardware in strict compliance with manufacturer's instructions. Prior to turning project over to the Owner, Contractor shall clean and make any final adjustments to the finish hardware.

3.03 PROTECTION:

A. Contractor shall protect the hardware, as it is stored on construction site in a covered and dry place.

B. Contractor shall protect exposed hardware installed on doors during the construction phase.

3.04 KEY CABINET:

A. Set up and index one (1) Key Cabinet that allows room for expansion for 150% of the number of keys for the project.

3.05 HARDWARE SCHEDULE:

A. The following schedule is furnished for whatever assistance it may afford the Contractor; do not consider it as entirely inclusive. Should any particular door or item be omitted in any scheduled hardware group, provide door or item with hardware same as required for similar purposes. Quantities listed are for each pair of doors or for each single door.

HARDWARE GROUPS SPECIFIED BELOW AND ON THE FOLLOWING PAGES

HW SET: 04
DOOR NUMBER:
102 105 106 107 108

EACH TO HAVE:

3	EA	HINGE	5PB1 4.5 X 4.5	652	IVE
1	EA	STOREROOM	SCND91 RHO	626	SCH
1	EA	WALL STOP	WS406CVX	628	IVE
3	EA	SILENCER	SR64	GRY	IVE

HW SET: 05
DOOR NUMBER:
103 109A 110A

EACH TO HAVE:

3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	PRIVACY	SCND40 RHO	626	SCH
1	EA	SURFACE CLOSER	4041	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	WALL STOP	WS406CVX	628	IVE
3	EA	SILENCER	SR64	GRY	IVE
1	EA	ADA THUMB TURN			

HW SET: 06
DOOR NUMBER:
104

EACH TO HAVE:

3	EA	HINGE	5PB1 4.5 X 4.5	652	IVE
1	EA	PASSAGE	SCND10 RHO	626	SCH
1	EA	WALL STOP	WS406CVX	628	IVE
3	EA	SILENCER	SR64	GRY	IVE

HW SET: 07
DOOR NUMBER:
109 110

EACH TO HAVE:

3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	PASSAGE	SCND10 RHO	626	SCH
1	EA	SURFACE CLOSER	4041	689	LCN
1	EA	WALL STOP	WS406CVX	628	IVE
3	EA	SILENCER	SR64	GRY	IVE

HW SET: 08

DOOR NUMBER:
112 PAIR OF DOORS

EACH TO HAVE:

6	EA	HINGE	5PB1 4.5 X 4.5	652	IVE
2	EA	PASSAGE	SCND10 RHO	626	SCH
2	EA	WALL STOP	WS406CVX	628	IVE
6	EA	SILENCER	SR64	GRY	IVE
2	EA	SLIDE BOLT ON FACE OF (1) DOOR			

END OF SECTION 08710

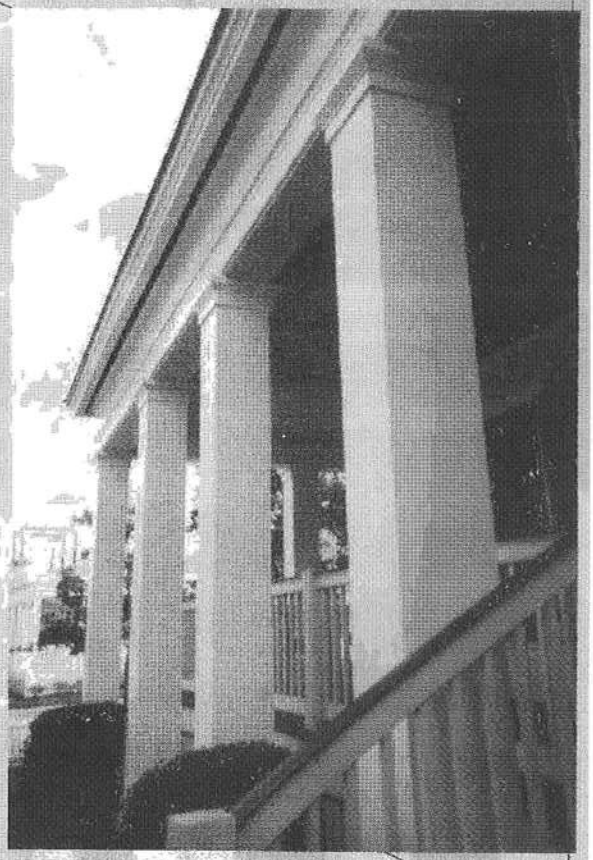
Appendix C

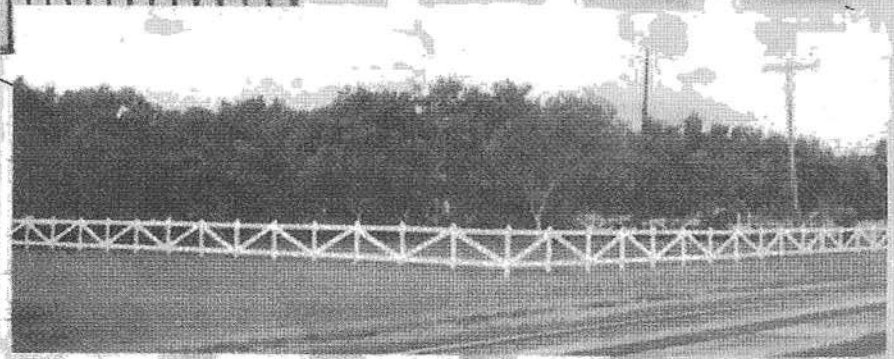
TUF Board Product Data

TUF board

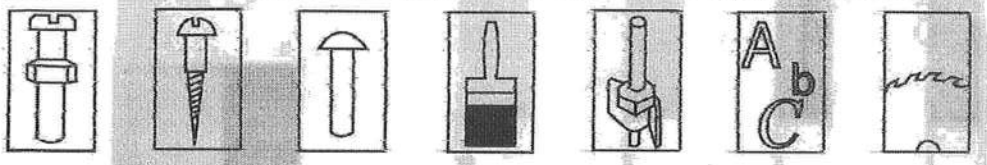
Crafts • Shelving • Marine • Furniture
Picnic Tables • Fencing • Trim-Board

DOES NOT ABSORB MOISTURE!
DOES NOT PEEL PAINT!
DOES NOT SPLIT!
DOES NOT ROT!



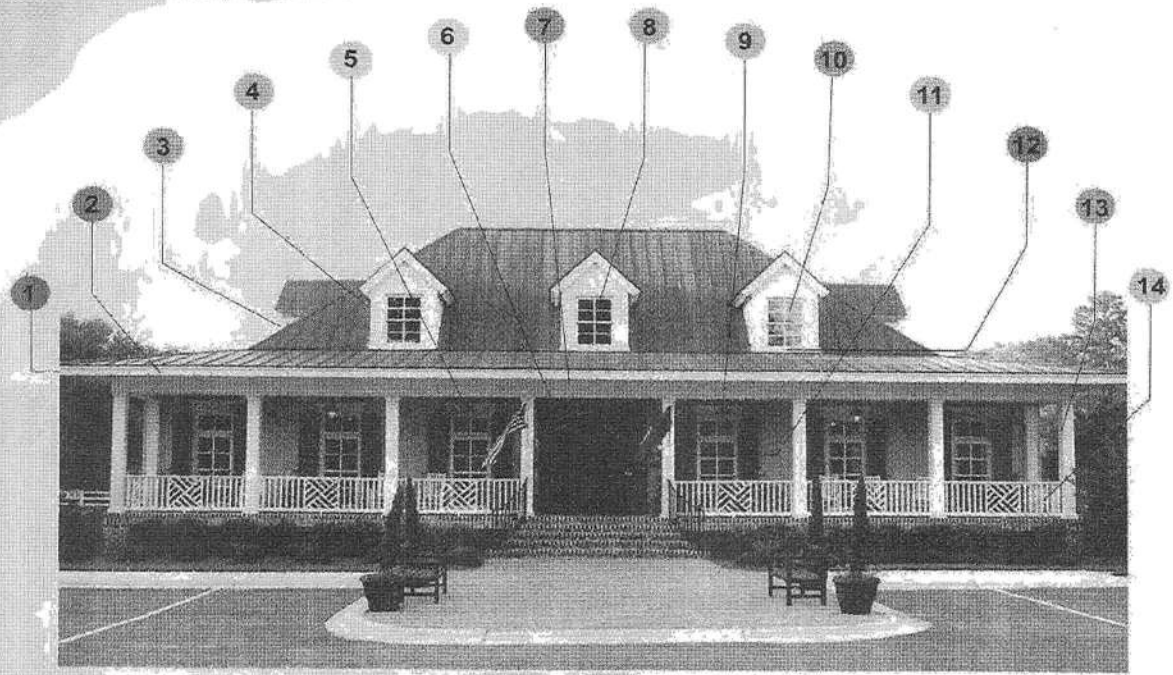


- TUF • LIGHTWEIGHT!
- TUF • WILL NOT ROT!
- TUF • WILL NOT CRACK!
- TUF • WILL NOT SPLINTER!
- TUF • CHEMICAL RESISTANT!
- TUF • WILL NOT ABSORB MOISTURE!
- TUF • FREE FROM INSECTS AND TERMITES!
- TUF • FIRE RETARDENT, CONFORMS TO UL STANDARDS!
- TUF • EASY TO WORK WITH, NO SPECIAL TOOLS NECESSARY!



LIKE WOOD!

1. TRIM BOARD
2. FASCIAS
3. SIDING TRIM
4. CORNER BOARDS
5. FLUTED CASING
6. DOORSTOP/TRIM
7. SOFFITS



8. WINDOW TRIM
9. FLAT CASING
10. MULLIONS
11. PLINTH BLOCKS
12. FRIEZE BOARDS
13. COLUMNS
14. FENCING

EXTERIOR & INTERIOR
LOW MAINTENANCE BOARD
LIFETIME LIMITED WARRANTY

- WILL NOT ROT, CRACK, OR SPLIT
- FIRE RETARDANT
- CUTS, NAILS, SCREWS, STAPLES, AND GLUES BETTER THAN WOOD
- MOISTURE RESISTANT
- INSECT RESISTANT
- EASY TO PAINT

Customer Service Hotline: 1800-452-2117, Dept- PVC; Or E-mail: TUFBoard@Inteplast.com

TUF Board INSTALLATION GUIDELINES

TUF board is cellular vinyl composite board. It is a perfect replacement for wood in most of non-stress-bearing applications. TUF board looks and feels like wood. It is better than clear and premium lumber.

- **Will not rot, crack, or split**
- **Fire retardant**
- **Cuts nails, screws, staples, and glues better than wood.**
- **Moisture resistant**
- **Insect resistant**
- **Easy to paint**

CUTTING

- Use standard wood working equipment for cutting.
- Carbide tipped blades are recommended.
- Avoid using fine tooth metal cutting blades
- Rough edge from cutting may be caused by excessive friction, poor board support, or improper tooling.

NAILING AND SCREWING

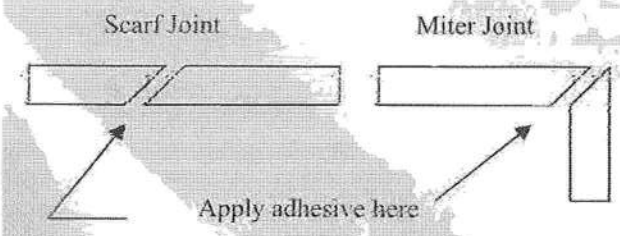
- Use standard nail guns or wood working tools
- Suitable galvanized nails are recommended.
- Place nails and screws on center of board and keep approximately 3/4" from each edge.
- If nailing product at 32°F or below, pre-drilling is required.
- Avoid fine threaded wood screws and ring shank fasteners.
- Pre-drilling and/or counter-sink is typically not required unless a larger fastener is used.
- Thinner shanked nails, such as a box nail, work best.

DRILLING AND ROUTING

- Use standard wood working drills and routers.
- Care should be taken to avoid frictional heat build-up.
- Periodic removal of shaving from the drill hole may be necessary.
- Carbide tipped router bits are recommended.

GLUING

- Standard PVC cements or cellular PVC cements provide a strong TUF board to TUF board bond.
- For best results, glue all joints such as long fascia runs, and window surrounds, etc., to prevent joint separation.
- The glue joint should be secured long enough to allow adequate bonding time.
- Various adhesives, such as epoxy or polyurethane adhesives may be used to bond TUF board to other substrates. Consult adhesive labeling to determine suitability.



TOUCH UP

- Recommend non-solvent base fillers.
- Very good with All Purpose Painter's Putty and High Performance Wood Filler.
- Good with Fill-N-Finish Light Wood Filler and Shrink Free Spackling.
- Clean with a damp cloth with soap and water.

PAINTING

- Clean surface prior to painting.
- Both oil base and latex paints are desirable. Follow paint manufacturer's recommendations.
- Avoid painting dark colors in area of direct sunlight.
- Behr Premium Plus Exterior or Interior paints are recommended. You have the opportunity for Flat, Flat Enamel, Eggshell, Satin Enamel, Semi-Gloss Enamel or Hi-Gloss Enamel sheens.

MOISTURE

- TUF board does not absorb moisture, it can be installed at or below grade.
- It is perfect for use in moisture prone applications such as ground contact, masonry contact, hot tub surrounds, freeze boards, rooflines and garage doorjambs, etc.

EXPANSION & CONTRACTION

- Allow 1/8" space per 18 foot for expansion and contraction. TUF board expands and contracts with changes in temperature Joints between pieces should be glued to eliminate joint separation—see "GLUING" section.
- Properly fastening TUF board along its entire length will minimize expansion and contraction.
- When gaps are glued on a long run of the board, allow suitable expansion and contraction space at ends of the run.

SPANNING

- Never span TUF board more than 24".
- Must not be used in load bearing applications, but maybe used in spanned applications such as soffits and ceilings, with suitable thickness.

STORAGE AND HANDLING

- Store on a flat and level surface.
- Should be handled in a fashion as pine, because it has a density comparable to pine with more flexibility.
- Keep product free of dirt and debris at job site. If product gets dirty, clean after installation.

For additional information
Please call manufacturer's customer service hotline at 1-800-452-2117, Dept-PVC; or E-mail to

INTEPLAST GROUP, LTD.
World-Pak

Corporate Address:
9 Peach Tree Hill Road
Livingston, New Jersey 07039

LIFETIME LIMITED WARRANTY
TUF BOARD®

For your protection, all TUF BOARD® brand products, as manufactured by Inteplast Group, Ltd. (IPG), are backed by a lifetime limited warranty. The warranty is limited to the lifetime of the original purchaser for as long as he/she owns the property on which the product is applied. If the property to which the TUF BOARD® product is applied is a condominium, or is owned by a party other than a resident owner, including corporations, partnerships, unincorporated associations, churches, schools, government or public entities, etc the warranty period is (30) years. If, during this warranty period, the product is found to rot, delaminate, crack, split, check, excessively swell, or become infested with termites, IPG will, at its sole and absolute discretion, provide replacement product, refund the purchase price with 30 years prorate, or repair the affecte product. In no instance will the cost of the remedy to IPG exceed the original purchase price of the affected product. In all cases, the product must be installed in accordance with its printed installation instructions in a workmanlike manner.

Claims

In order to make a warranty claim, and before IPG's obligation under the warranty will commence, the original purchaser must 1. Within 30 days of discovering a defect believed to be covered by this warranty, notify IPG in writing to Inteplast Group, Ltd./ World-Pak Division, 9 Peach Tree Hill Rd. Livingston, NJ 07039, giving full particulars, including photographs and the original receipt, in support of the claim. 2. Mak available for inspection by IPG or its representative, the product believed to be defective, and if requested, ship the product prepaid to IPG at the above address.

Exclusions

The warranty is limited to the foregoing and does NOT apply to product which was not installed in accordance with IPG's installation instructions or installed in less than a workmanlike manner, product whicl has been structurally altered, damage caused by fire, flood, lightning, windstorm, hurricane, tornado, earthquakes or other acts of God, product which has been put in unusual service, or used for purpose for which it was not designed, normal and expected weathering of the surface, any fading, peeling, discoloring o other defects of finishes applied by parties other than IPG, the cost of labor, materials or the expenses incidental to the repair, removal, installation or replacement of the warranted product, product which has not been stored in accordance with IPG's instructions, product which has been damaged during shipment, storag handling, or installation, any personal injuries or damage to property resulting from the installation, use or failure of the product. (The original purchaser assumes the risk of all such injuries or damage.)

Disclaimer

This warranty is in lieu of all expressed and/or implied warranties of merchantability or of any other kind. Remedies under this warranty, as set forth herein, are at the exclusion of all others (except as to the extent required by any applicable law), and IPG neither assumes nor authorizes anyone to assume for i any other obligations. In no event shall IPG be liable for any remote, incidental or consequential damages of any nature, no matter how arising. Nor shall IPG be liable for any amounts in excess of the original purchase price, for parts found to be defective. Some states do not allow the exclusion or limitation of special, incidental or consequential damages, so the foregoing may not apply to you. This limited warranty gives you

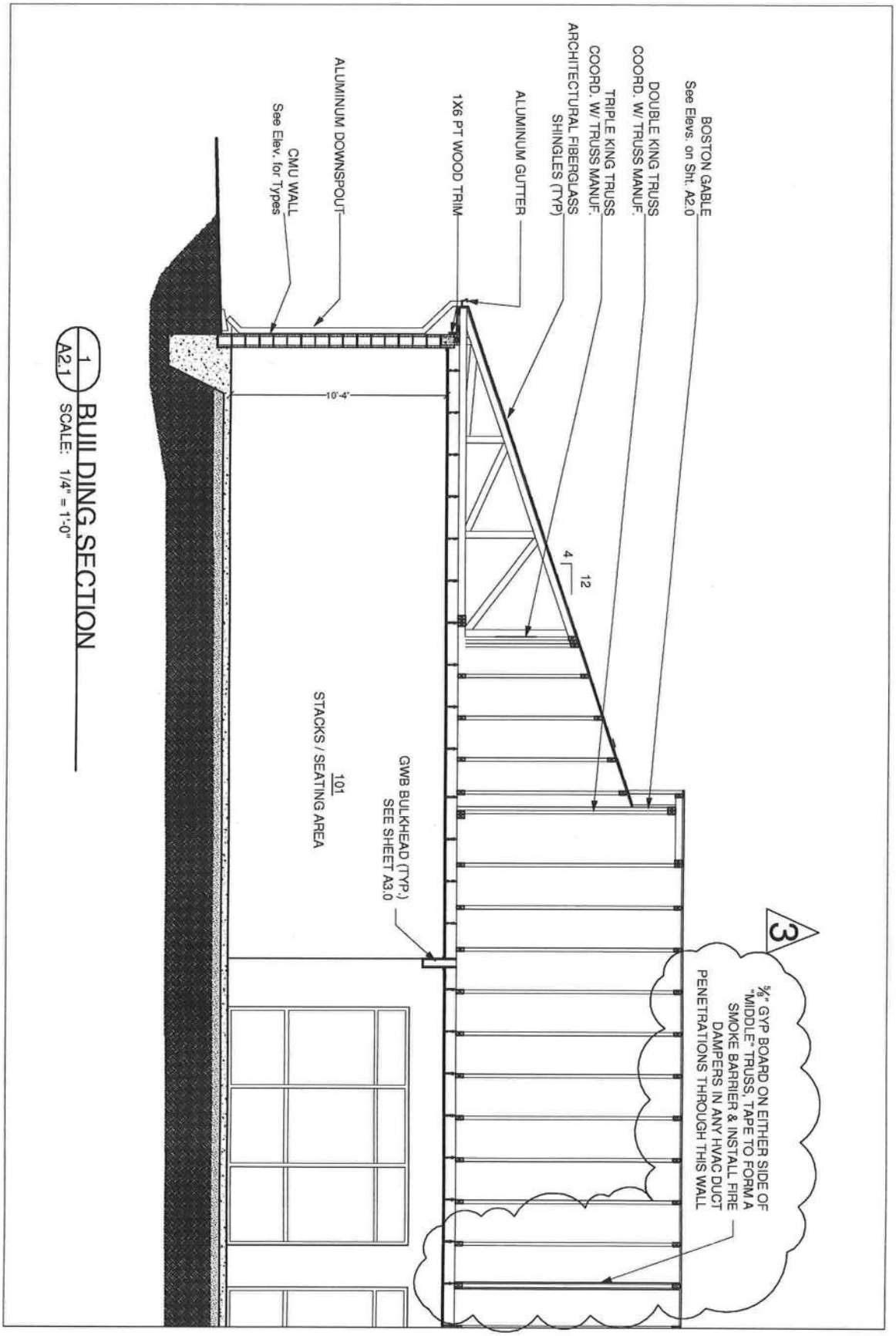
AKIN & ASSOCIATES ARCHITECTS, INC.
2603 W. Tharpe St. Suite A
Tallahassee, FL. 32303
Phone: 850-385-2546
Fax.: 850-385-7063

Sketch No.: SK-5

Ref. Sht. No.: A0.0

NEW FT. WHITE BRANCH LIBRARY
FT. WHITE, FLORIDA

Revision No.: 3 Date: 04/05/10



1/A2.1 BUILDING SECTION

SCALE: 1/4" = 1'-0"

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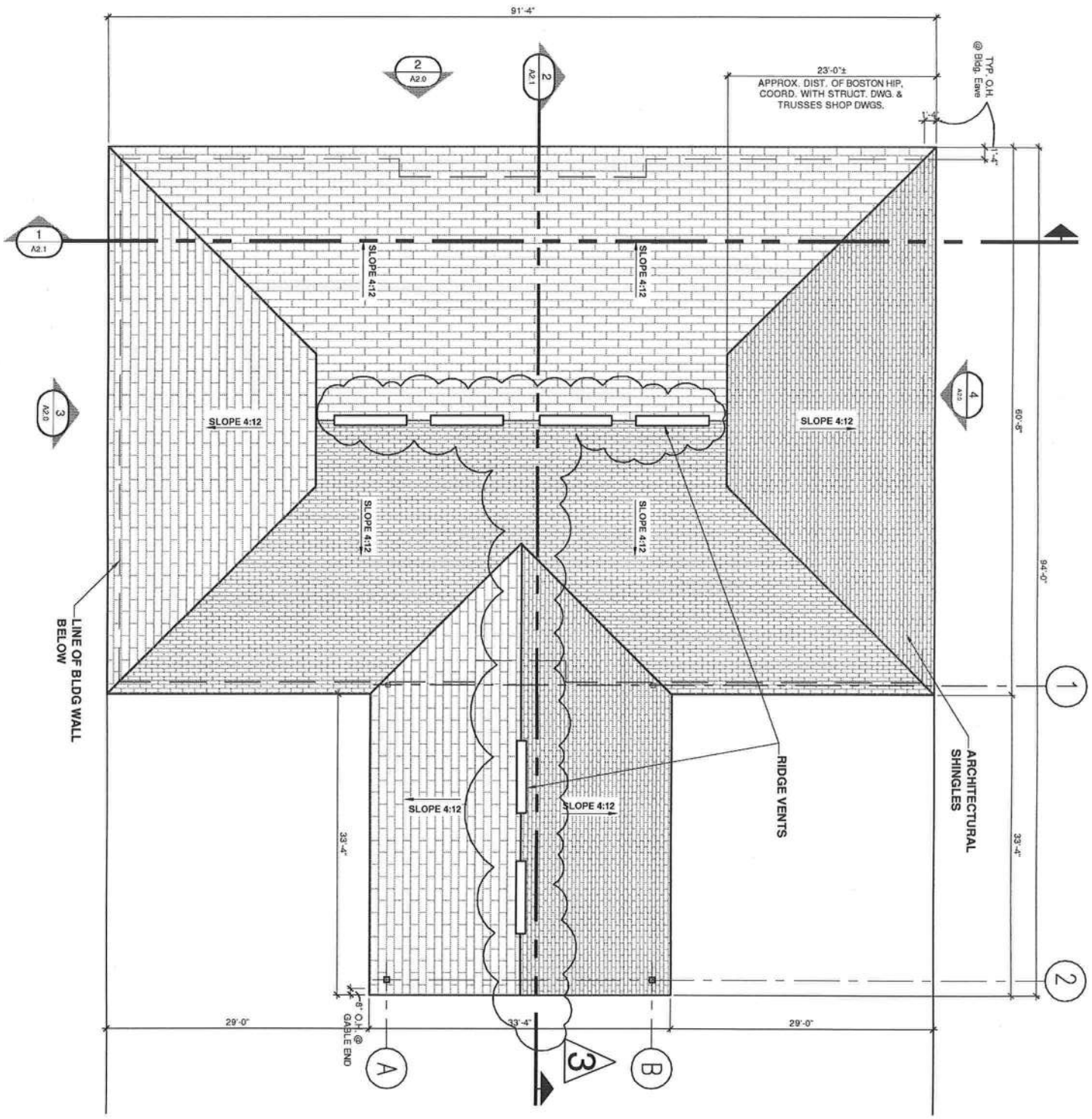
Sketch No.: SK-6

Ref. Sht. No.: A2.1

NEW FT. WHITE BRANCH LIBRARY
FT. WHITE, FLORIDA

Revision No.: 3 Date: 04/05/10



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Sketch No.: SK-7

Ref. Sht. No.: A4.0

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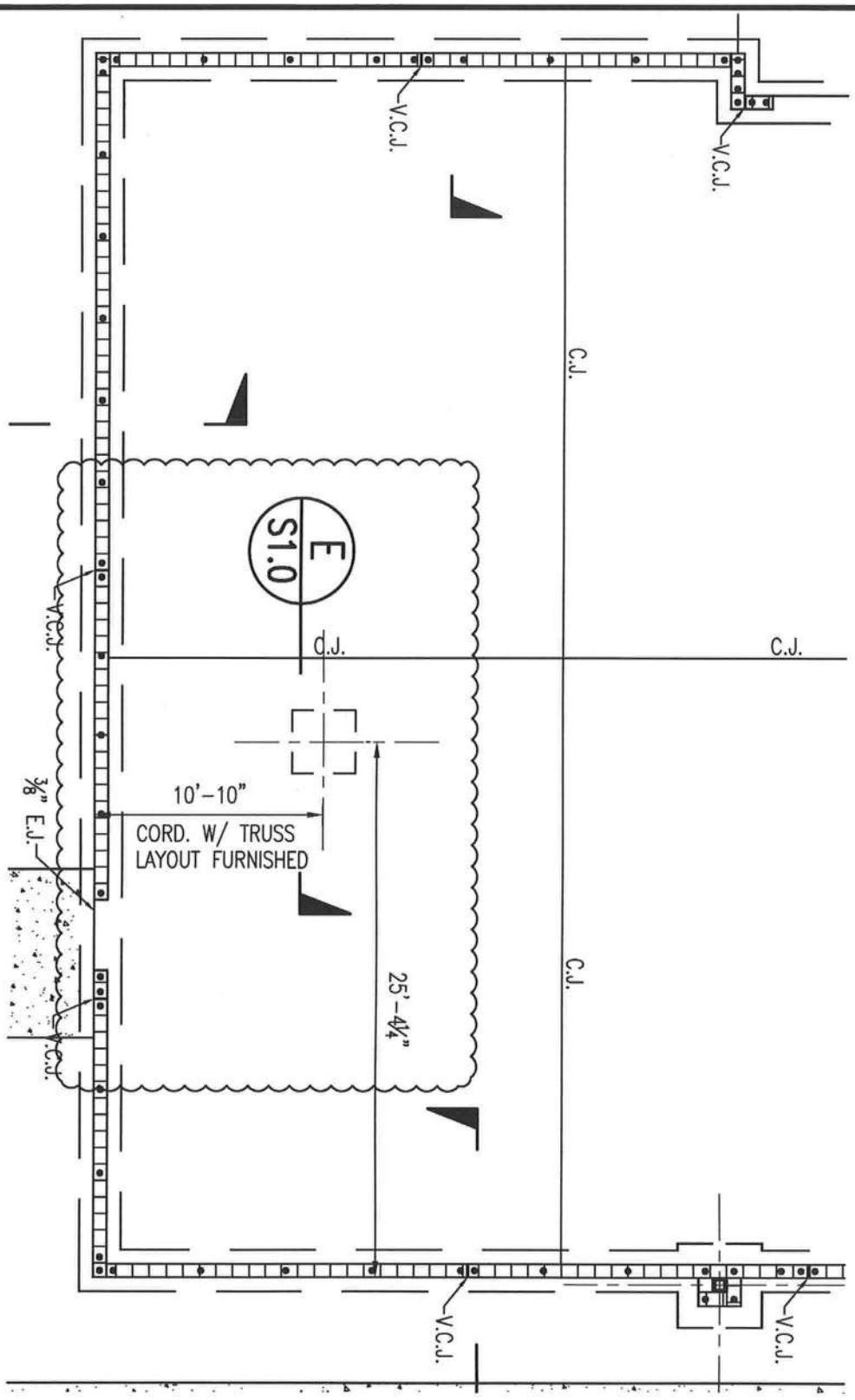

PARTIAL FOUNDATION AND FLOOR PLAN

SCALE: ⅛" = 1'-0"

NORTH

AKIN & ASSOCIATES ARCHITECTS, INC.
2603 W. Tharpe St. Suite A
Tallahassee, FL. 32303
Phone: 850-385-2546
Fax.: 850-385-7063

Sketch No.: SK-S1

Ref. Sht. No.: S1.0

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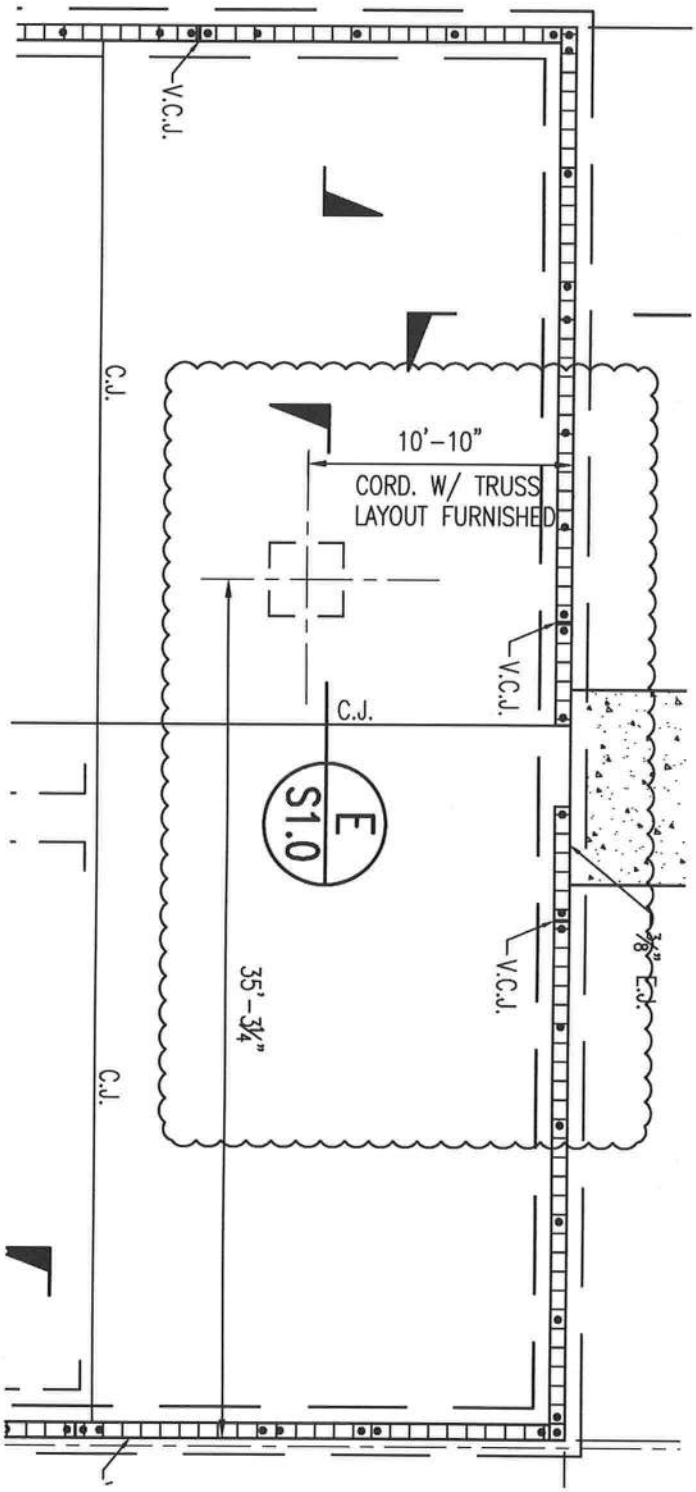
Revision No.: 3 Date: 04/5/10



PARTIAL FOUNDATION AND FLOOR PLAN

SCALE: ⅛" = 1'-0"

NORTH

AKIN & ASSOCIATES ARCHITECTS, INC.
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Sketch No.: SK-S2

Ref. Sht. No.: SK-1

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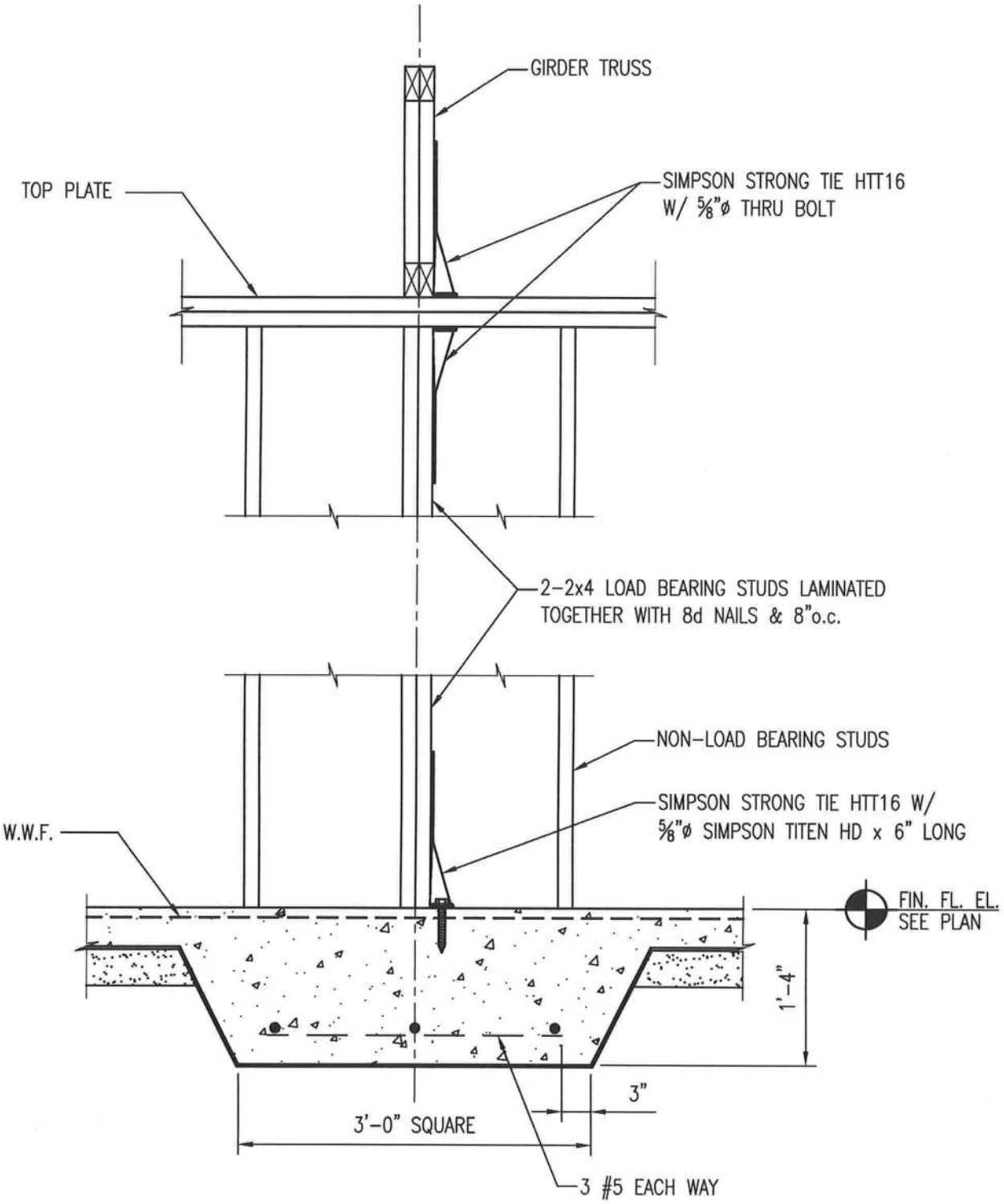
FT. WHITE, FLORIDA

Revision No.: 3 Date: 04/5/10



SECTION E / S2.0

SCALE: 3/4"=1'-0"

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Sketch No.: SK-S3

Ref. Sht. No.: S2.0

NEW FT. WHITE BRANCH LIBRARY
FT. WHITE, FLORIDA

Revision No.: 3 **Date:** 04/5/10

3-Page Changes from: MEP Southeast, for Mech/Elec revision

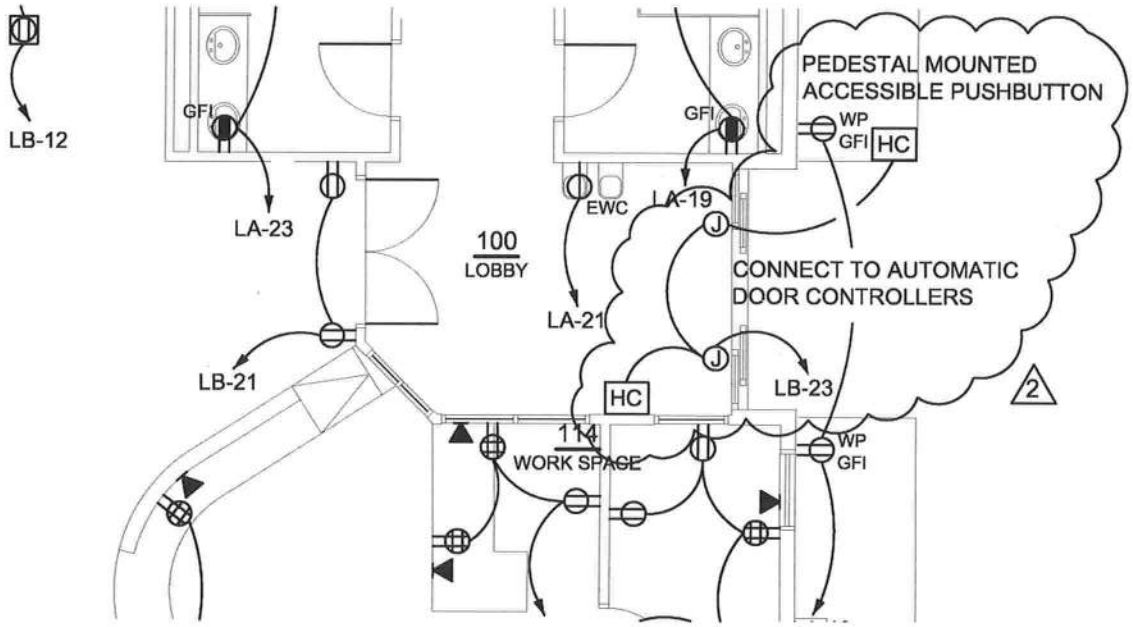
Re: **ADDENDUM No. 3**
MECH./ELEC. REVISIONS NARRATIVE

1. Clarification #1: Model types for AHU's and HP's are as shown on drawing MSK-2 dated 03/22/10 issued as part of Addendum #1. Also as shown on MSK-2 the AHU's require 208V, 1 phase electrical connections and the HP's require 208V, 3 phase connections.

2. Clarification #2: Fire dampers shall be fusible link type.

3. Clarification #3: The service disconnecting means is the main circuit breaker in Panel MDP which is located in Mech/Elec Rm 105.

4. Drawing Sheets E1.1 & E2.1: **See attached ESK-1 & ESK-2** for changes relating to automatic door controller for Doors 100 and 101 to enable H/C access.



MECHANICAL
ELECTRICAL
PLUMBING
FIRE PROTECTION

www.MEPSoutheast.com
3116 Capital Circle NE, Suite 9
Tallahassee, FL 32308

TEL: (850) 668 - 0166
FAX: (850) 668 - 1451
FL: CA27300
FL PE 50772

MEP SOUTHEAST PLLC
ARCHITECTURAL ENGINEERS

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Tallahassee, FL. 32303
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Fax.: 850-385-7063

AKIN & ASSOCIATES ARCHITECTS, INC.

Sketch No.: ESK-1

Ref. Sht. No.: E1.1

NEW FT. WHITE BRANCH LIBRARY
FT. WHITE, FLORIDA

Revision No.: 2 **Date:** 04/05/10

PANEL
'LB '

PANEL SCHEDULE

120/208V, 3 PHASE, 4-WIRE, 100 AMP MAIN LUGS

SURFACE MOUNT
NEMA 1
22,000 A.I.R. @ 240V

LOAD SERVED	C.B. TRIP	C.B. POLE	AMPS / PHASE A	AMPS / PHASE B	AMPS / PHASE C	CKT. #	CKT. #	AMPS / PHASE A	AMPS / PHASE B	AMPS / PHASE C	C.B. TRIP	C.B. POLE	LOAD SERVED
RCPT - TELECOMM BACKBD.	20	1	6.0			1	2	7.5			20	1	RCPT - CIRC. DESK
RCPT - TELECOMM BACKBD.	20	1		6.0		3	4		7.5		20	1	RCPT - OFFICE
RCPT - TUTOR RM	20	1			6.0	5	6			7.5	20	1	RCPT - WORK RM
RCPT - RM 101 (MINI - CAFE)	20	1	4.5			7	8	3.0			20	1	RCPT - RM 101 - COMPUTER FLOOR
RCPT - RM 101 FLOOR OUTLETS - SEATING	20	1		3.0		9	10		3.0		20	1	RCPT - RM 101 - COMPUTER FLOOR
RCPT - RM 101 - COMPUTER AREA	20	1			4.5	11	12			3.0	20	1	RCPT - RM 101 - CHILDRENS FLOOR
RCPT - RM 101 - COMPUTER AREA	20	1	4.5			13	14	3.0			20	1	RCPT - MEETING RM
RCPT - RM 101 - COMPUTER FLOOR	20	1		3.0		15	16		3.0		20	1	RCPT - MEETING (FLOOR)
RCPT - RM 101 - COMPUTER AREA	20	1			3.0	17	18			3.0	20	1	RCPT - MEETING (FLOOR)
RCPT - MEETING RM	20	1	6.0			19	20	6.0			20	1	RCPT-TELECOMM BACKBD.
RCPT - SECURITY TURNSTILES	20	1		3.0		21	22		-		20	1	SPARE
MOTORIZED DOOR OPERATORS	20	1			10.0	23	24			-	20	1	SPARE
SPARE	20	1	-			25	26	-			-	-	SPACE
SPARE	20	1		-		27	28		-		-	-	SPACE
SPARE	20	1			-	29	30			-	-	-	SPACE

NOTES:
1. BASED ON SQUARE D TYPE NQOD
2. USE HACR-TYPE CIRCUIT BREAKERS FOR HVAC EQUIPMENT
3. SEE SHORT CIRCUIT CALCULATION FOR FAULT CURRENT RATING DISCLAIMER.

TOTAL CONNECTED LOAD: 12.7 KVA @ 208V, 3-Ø = 35.3 AMPS

	A	B	C
CONNECTED AMPS	40.5	28.5	37.0

2

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Sketch No.: ESK-2

Ref. Sht. No.: E2.1

NEW FT. WHITE BRANCH LIBRARY
FT. WHITE, FLORIDA

Revision No.: 2 Date: 04/05/10

March 22, 2010

To: **ALL PLAN HOLDERS** **VIA EMAIL**
Total No. of Pages: **25**

Re: **ADDENDUM No. 1**
NEW FT. WHITE BRANCH LIBRARY
AAA Project No. 0906

Please note the following changes to the Specifications and Drawings:

1. Clarification #1: Owner will furnish and install the on-site septic system and run sewer and water lines up to 5ft of the owner. The contractor shall make the connections and complete the work from this point forward.

2. Clarification #2: Owner intends to exercise a direct purchase option for the purposes of tax savings. The procedure is attached as pages "I-1" thru "I-6".

3. Specification Section 06160: Para. 2.5 is revised as shown on replacement page 2.

4. Specification Section 06400: Para. 2.2 is revised as shown on replacement page 3.

5. Specification Section 07220: Para. 1.1 is revised as shown on replacement page 1.

6. Specification Section 08710: Para. 2.1 is revised as shown on replacement page 4 and para. 3.5 added as shown on replacement page 7.

7. Drawing Sheet A1.0: See attached SK-1 for placement/swing changes to doors 106, 109 & 110; and revision to construction note #3.

8. Drawing Sheet A1.1 See attached SK-2 for revisions to door #101's door type, door material, and frame material. Doors 100 & 101A's bottom stile profile and sill detail to be per manuf. Std.

9. Drawing Sheet A1.2: Please note that the Manuf./Outline Spec. for the baby changing tables is located at the top left corner of enlarged plan 1/A1.2.

10. Drawing Sheet A1.3 See attached SK-3 for note #5 and sht. # revisions.

11. Drawing Sheet A2.2 See attached SK-4 for section notations and sht. # revisions.

12. See attached 9-pages from MEP Southeast for Mech/Elec revisions.

-- END OF ADDENDUM #1 NARRATIVE ---

Filename: S:\0906-FtWhiteLibr-Corres-bid\addendum1-0906.doc

PART 1 GENERAL

1.01 RELATED DOCUMENTS: The General Provisions of the Contract, including the General Conditions, Supplementary Conditions and Special Conditions (if any), along with the General Requirements apply to the Work specified in this Section.

1.02 DESCRIPTION: The Owner is tax exempt from sales tax on the purchase of construction materials. The Owner has elected to exercise this right to purchase directly various construction materials, supplies, and equipment that may be a part of this Contract. Such direct purchase shall be without any additional cost to the Owner. The Owner will, via Construction Purchase Orders (CPO), purchase the materials and the Contractor shall assist the Owner in the preparation of the purchase orders. The materials shall be purchased from the Vendors selected by the Contractor for the price originally negotiated by the Contractor.

1.03 The Contract Amount shall be reduced by the net, undiscounted amount of the purchase orders plus all sales taxes. **All sales tax shall be computed at the rate of seven percent (7%) on the first $5,000.00 of materials on each Vendor Purchase Order, and computed at the rate of six percent (6%) on the amount over $5,000.00. When computing sales tax for Vendor Purchase Orders in excess of $5,000.00, multiply by 6%, then add $50.00 to that figure to calculate total sales tax.** This reduction in the Contract Amount will occur through Change Order, which will reference the Construction Purchase Order effecting the change.

1.04 Issuance of Construction Purchase Orders by the Owner shall not relieve the Contractor of any of his responsibilities regarding material purchases or installations, with the exception of the payments for the materials as purchased. The Contractor shall remain fully responsible for coordination, correct quantities ordered, submittals, protection, storage, scheduling, shipping, security, expediting, receiving, installation, cleaning and all applicable warranties. The Contractor must maintain his Builder's Risk policy to include materials stored on-site and materials installed on site.

1.05 It is recognized that the Contractor may encounter additional overhead costs in assisting the Owner with this task. **The Contractor is charged with including all these additional costs as a part of the Base Bid. Any funds remaining in the Contract accruing from the Direct Purchase procedure will accrue to the Contractor and will be added to the Final Contract Amount by an Additive Change Order.**

1.06 Payment will be made for materials stored on-site, or in a bonded warehouse. Payment is contingent on the receipt of properly verified and approved delivery tickets and a copy of the bonded warehouse certificate.

1.07 Terms: For the purpose of this Section the following terms will be defined:

A. Material: Any material, supply, or item of equipment intended for permanent installation in the Project.

B. Vendor: A company supplying materials to the Project, whether such provision includes installation or not.

C. List of Vendors: A list of Vendors whose materials are required for the construction of the Project and which is submitted to the Owner by the Contractor for approval.

D. Vendor Purchase Order (VPO): A material list and price quote by a Vendor required for issuance of a Construction Purchase Order by the Owner.

E. Construction Purchase Order (CPO): An authorization issued by the Owner for the supply of stated materials and agreement to pay quoted price for material upon verification of delivery.

F. Delivery Ticket: A receipt issued by the Vendor on a business-like form indicating the date, quantity, and type of materials delivered to the site and referencing a Vendor's invoice or the Construction Purchase Order.

PART 2 PRODUCTS

2.01 NOT USED.

PART 3 EXECUTION

3.01 LIST OF ITEMS TO BE DIRECT PURCHASED:

The Owner reserves the right to add to or delete from the items listed below:

A. Light Fixtures and Bulbs.
B. Acoustical Tile Ceilings.
C. Floor finishes, including vinyl tile and hard tile.
D. Finish Hardware.
E. Hollow Metal Frames and Doors.
F. Wood Doors.
G. Metal Building.
H. Toilet Partitions.
I. A/C Units.
J. Electrical Panels.
K. Transformer.

3.02 Within ten (10) days of executing the Agreement, the Contractor shall submit a List of Vendors and materials for the items listed above to the Owner. The list shall contain the following information:

A. Vendor's full business name
B. Vendor's agent assigned to the Project
C. Vendor's business telephone number
D. Materials the Vendor will supply

3.03 Upon approval by the Owner, each Subcontractor, or Vendor if no Subcontractor is involved in the installation of the material, shall issue a Vendor's Purchase Order (VPO) addressed to the Owner and submitted to the Contractor for review and approval prior to submission to the Owner's representative. The VPO shall contain the following minimum information:

A. Date of issuance.
B. Project name and location.
C. Vendor's full business name.
D. Vendor's full current business address. Contractor to verify current address.
E. Vendor's business telephone number and fax number.
F. Description of materials.
G. Quantity of each material.
H. Unit cost of each material.
I. Extended price of each material (quantity times unit cost).
J. Sales tax on materials.
K. Any applicable shipping and handling charges.
L. Total price (extended prices plus sales tax, shipping and handling charges).
M. Signature and printed or typed name of the authorizing agent for the Subcontractor or Vendor.

3.04 The Owner will issue a Construction Purchase Order (CPO) in the amount of the Vendor's Purchase Order less the sales tax. The CPO will contain the following minimum information:

A. Date of issuance.
B. Project name and location.
C. Vendor's full business name.
D. Vendor's full business address as supplied by Contractor.
E. Reiteration of the authorized quantity, material, description, unit cost, and extended price for each material.
F. Shipping and handling charges.
G. Total price.
H. Signature and printed or typed name of approving agent for the Owner.
I. Signature and printed or typed name of authorizing agent for the Owner.

The CPO will be sent directly to the Vendor with a copy retained by the Owner and copies sent to the Subcontractor, Contractor and Architect.

3.05 Upon receipt of the CPO by the Vendor, the Vendor shall issue an invoice to the Owner for payment on materials. The invoice shall clearly reference the CPO number.

3.06 All materials are to be received on the Construction Site with the Vendor's delivery ticket. Delivery tickets are to be collected, verified as to accuracy, quantity and product, and signed by the Contractor, or the Contractor' on-site representative, and given to the Owner's representative on a daily basis. All delivery tickets are to be sealed in an envelope with the delivery date neatly printed on the front of the envelope.

3.07 The Owner will issue payment to the Vendor for the amount of the Vendor's invoice upon receipt of the verified delivery tickets. The Owner shall provide a payment schedule to the Contractor and any Subcontractor or Vendor upon request. In order to maintain timely payments, it will be the responsibility of the Subcontractor/Vendor and the Contractor to process delivery tickets in accordance with the payment schedule. Upon payment of invoice, the Owner will provide a list of payments to the Architect and Contractor.

3.08 Examples of the following forms are included in this Section:

A. List of Vendors
B. Vendor Purchase Order

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Page _____ of

LIST OF VENDORS
(TYPEWRITTEN)

Date: _____

Contractor: _____

Project: _____

VENDOR	AGENT CONTACT	TELEPHONE	MATERIALS

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Vendor Purchase Order
(Typewritten)

Date: _____ Vendor Name: _____

Project: _____ _____

_____ Address: _____

_____ _____

Phone: _____

Fax: _____

Contact: _____

Quantity	Description of Material	Unit Cost	Price
THIS PURCHASE ORDER IS TO REQUEST A CONSTRUCTION PURCHASE ORDER ONLY. VENDOR MUST SEND INVOICE AND DELIVER MATERIALS TO SITE TO RECEIVE PAYMENT.		**Subtotal** **Sales Tax** **Shipping/ Handling** **Total**	

(Print Name) _____
Authorized agent for Subcontractor/Vendor

(Print Name) _____
Authorized agent for Contractor

1. Use Interior Type A, where indicated.

B. Kiln-dry material after treatment to a maximum moisture content of 15 percent.
C. Identify fire-retardant-treated plywood with appropriate classification marking of UL, U.S. Testing, Timber Products Inspection, or another testing and inspecting agency acceptable to authorities having jurisdiction.
D. Application: Treat plywood indicated on Drawings.

2.3 WALL SHEATHING

A. Plywood Wall Sheathing: Exposure 1, rated Structural I, sheathing.

2.4 ROOF SHEATHING

A. Plywood Roof Sheathing: Exposure 1, rated Structural I, sheathing.

2.5 PLYWOOD BACKING PANELS

A. Telephone and Electrical Equipment Backing Panels: DOC PS 1, Exposure 1, C-D Plugged, fire-retardant treated, in thickness indicated or, if not indicated, shall be ¾" B.C. Plywood, painted grey.

2.6 FASTENERS

A. General: Provide fasteners of size and type indicated.

1. For wall and roof sheathing panels, provide fasteners with corrosion-protective coating having a salt-spray resistance of more than 800 hours according to ASTM B 117.

2.7 WEATHER-RESISTANT SHEATHING PAPER

A. Building Wrap: ASTM E 1677, Type I air retarder; with flame-spread and smoke-developed indexes of less than 25 and 450, respectively, when tested according to ASTM E 84; UV stabilized; and acceptable to authorities having jurisdiction.

1. Provide the following:
   a. Dow DuPont (E. I. du Pont de Nemours and Company); Tyvek CommercialWrap.
2. Water-Vapor Permeance: Not less than 200g through 1 sq. m of surface in 24 hours per ASTM E 96, Desiccant Method (Procedure A).

B. Building-Wrap Tape: Tape recommended by building-wrap manufacturer.

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

A. Securely attach to substrate by fastening as indicated, and complying with the following:

1. NES NER-272 for power-driven fasteners.

PART 2 - PRODUCTS

2.1 HIGH PRESSURE DECORATIVE LAMINATE MANUFACTURERS

A. Available Manufacturers: Subject to compliance with this project's specification and drawing requirements include but are not limited to the following:
   1. Formica Corp.
   2. Laminart.
   3. Micarta Div., Westinghouse Electric Corp.
   4. Nevamar Corp.
   5. Ralph Wilson Plastics Co.
   6. Sterling Engineered Products, Inc.
   7. Woodtect Industries, Inc.

2.2 MATERIALS

A. General: Provide materials that comply with requirements of the WIC woodworking standard for each type of woodwork and WIC quality grade indicated, unless otherwise indicated.

B. General: Provide materials that comply with requirements of the AWI woodworking standard for each type of woodwork and quality grade indicated and, where the following products are part of woodwork, with requirements of the referenced product standards, that apply to product characteristics indicated:
   1. Hardboard: ANSI/AHA A135.4
   2. High Pressure Laminate: NEMA LD 3.
   3. 9 Ply Cabinet Grade Plywood.
   4. Softwood Plywood: PS 1.
   5. Formaldehyde Emission Levels: Comply with formaldehyde emission requirements of each voluntary standard referenced below:
      a. 9 Ply Cabinet Grade Plywood.
      b. Hardwood Plywood: HPMA FE.

2.3 FABRICATION, GENERAL

A. Wood Moisture Content: Comply with requirements of referenced quality standard for moisture content of lumber in relation to relative humidity conditions existing during time of fabrication and in installation areas.

B. Fabricate woodwork to dimensions, profiles, and details indicated. Ease edges to radius indicated for the following:
   1. Corners of cabinets and edges of solid wood (lumber) members less than 1 inch in nominal thickness: 1/16 inch.
   2. Edges of rails and similar members more than 1 inch in nominal thickness: 1/8 inch.

C. Complete fabrication, including assembly, finishing, and hardware application, before shipment to project site to maximum extent possible. Disassemble components only as necessary for shipment and installation. Where necessary for fitting at site, provide ample allowance for scribing, trimming, and fitting.

D. Factory-cut openings, to maximum extent possible, to receive hardware, appliances, plumbing fixtures, electrical work, and similar items. Locate openings accurately and use templates or roughing-in diagrams to produce accurately sized and shaped openings. Smooth edges of cutouts and, where located in countertops and similar

SECTION 07220
BUILDING INSULATION

PART 1 - GENERAL

1.1 SUMMARY

A. This section covers different types of Foam, Rigid & Batt Insulations. **Specific types, thickness and R-value of Insulation to be provided are as indicated on drawings.**

B. Where none is indicated on drawings, provide a minimum of R-19 for walls and R-30 for roofs.

C. Batt insulation used for roof application shall be placed between bottom cords of trusses support by 1x2 WD strips fastened perpendicular on bottom side of rafter cords.

D. Insulation must form a complete thermal closure. Tape and provide baffle as required.

1.2 RELATED WORK

A. Masonry - Div. 4.
B. Concrete deck - Div. 3
C. Metal deck - Div. 5
D. Rough Carpentry – Div. 6
E. Roofing - Div. 7

1.3 SUBMITTALS

A. Product data: Submit product data and installation instructions for each type installation. Include product data for manufacturer's recommended adhesive sheathing joint tape.

1.4 QUALITY CRITERIA:

A. Applicable standards: Standards of America Society for Testing and Materials (ASTM) as specified herein.

B. Thermal resistance of insulation shall be not less than the R-values shown. R-values shall be determined at 75 degrees F in accordance with ASTM C518. Insulation shall be a standard product of a manufacturer, factory-marked or identified with manufacturer's name or trademark and R-value. Identification shall be on individual pieces or individual packages.

PART 2 - PRODUCTS

2.1 PRODUCTS & ACCEPTABLE MANUFACTURERS

A. **Fiberglass Batt Insulation:**

1. Vinyl Clad having perm rating of 0.50 maximum; width equal to framing spacing, where applicable. Insulation left exposed in

C. Contractor shall include installation cost for hardware in Base Bid.

PART 2 - PRODUCTS

2.1 ACCEPTABLE PRODUCTS

A.

Products:	Specified Manufacturers:	Acceptable Manufacturers:
Hinges	Hager	Stanley
Pivots	Rixon	Lcn
Flush Bolts	Rockwood	Ives, Trimco
Exit Devices	Von Duprin	
Cylinders	Russwin	Russwin No Subst.
Locks (w\Grade 1 Lever Handles)	Russwin	Sargent,Yale,Schlage
Push-Pulls	Rockwood	Ives, Trimco
Door Closers	LCN 4041	
Floor Closers	Rixon	
Kick Plates	Hager	Ives, Trimco
Door Stops	Rockwood	Ives, Trimco
Thresholds	Pemko	National Guard
Weather Stripping	Pemko	National Guard REESE
Door Bottoms	Pemko	National Guard, Reese
Smoke Seals	Pemko	National Guard, Reese
Electric Strike	Von Duprin	
Magnetic Switch	Von Duprin	
Power Supply	Von Duprin	Locknetics

B. To the greatest extent possible, obtain materials from one manufacturer. Manufacturers listed above are intended to insure quality and design of the project. Other manufacturers submitted will be acceptable, provided they are equal or exceed standard of quality proposed for this project; and submitted in accordance to pre-approval or substation request protocol.

2.2 MATERIALS

A. SCREWS & FASTENERS: All screws and fasteners required for the hardware items are listed in the individual hardware sets. Any omission of these items should be reflected in the schedule submitted for approval.

B. HINGES: Where hinges are specified unless otherwise noted they shall be of types and sizes as required by ANSI A156.1. SIZE HINGES ACCORDING TO MANUFACTURERS RECOMMENDATIONS. Provide stainless steel continuous hinges as listed in the hardware sets.

C. PIVOTS: All pivots and/or pivot sets shall be the product of one (1) manufacturer. Sets as noted in the hardware groups shall be matching in design for aluminum storefront doors. The doors as noted in the hardware sets are to

recommendations. Drill and countersink all items which are not factory prepared for fasteners. Cut and fit all thresholds and weather-stripping to profile of door frames. Set threshold in accordance with the application condition.

3.3 ADJUSTING & CLEANING

A. At final completion all hardware shall be left clean and free from disfigurement. The contractor shall make a final adjustment to all door closers and other items of hardware. Where hardware is found defective, repair or replace or otherwise correct as directed.

3.4 PROTECTION

A. The general contractor is responsible for the proper protection of all items of hardware until the owner accepts the job as complete.

3.5 HARDWARE SCHEDULE

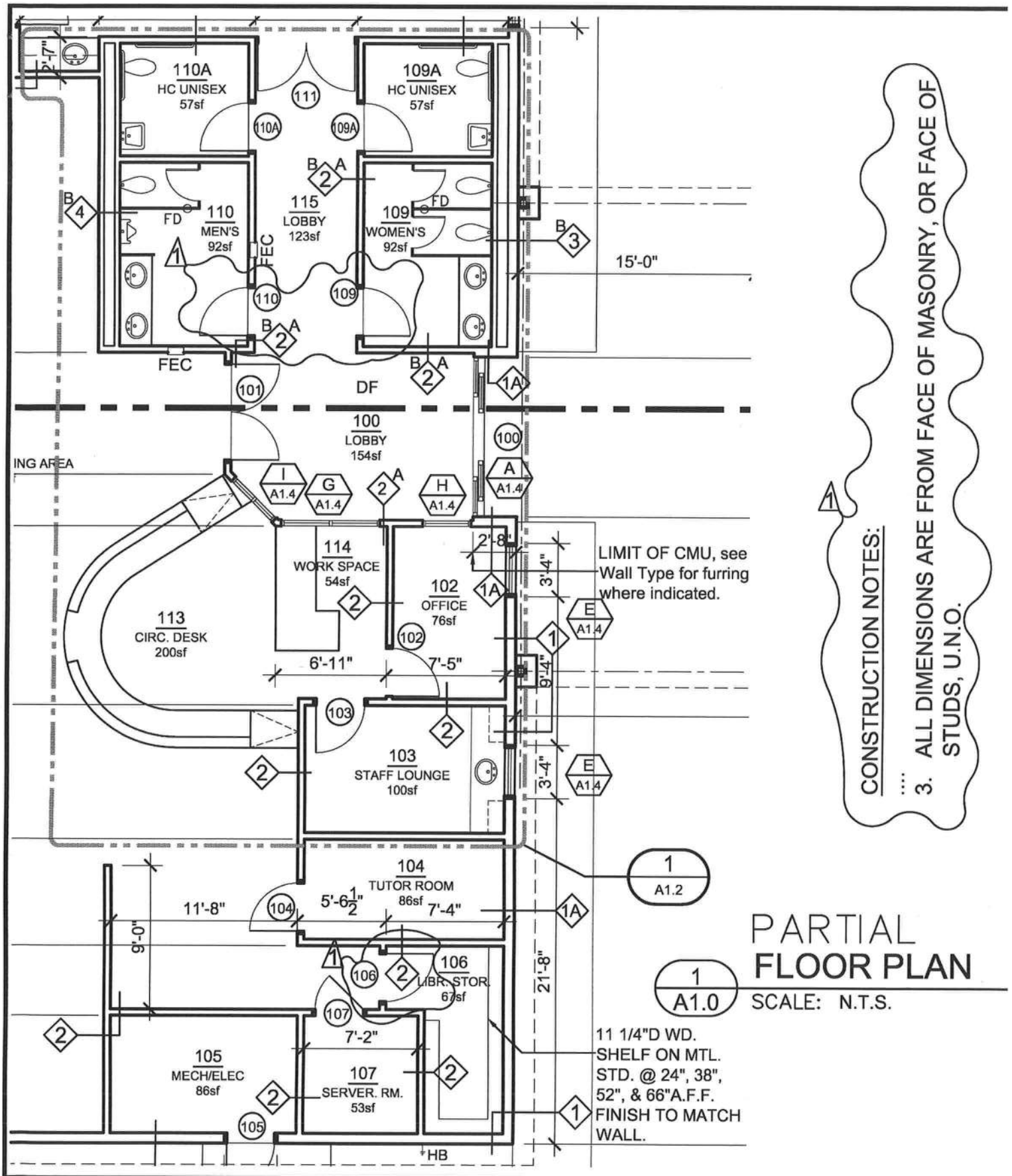
A. See para. 1.9B for allowance for provisions and responsibility/procedure for preparing hardware schedule.

B. Contractor shall contact the Owner's Rep. prior to preparing schedule/submittals to learn more about specific owner preferences and keying protocol.

C. Below is partial list of Owner generated hardware preference:

Door Locks: Schlage		
Entry/Office	SCND91 RHO	626 SCH
Passage	SCND10 RHO	626 SCH
Privacy	SCND40 RHO	626 SCH
Type: SC1 Keyway		

END OF SECTION 08710



CONSTRUCTION NOTES:

3. ALL DIMENSIONS ARE FROM FACE OF MASONRY, OR FACE OF STUDS, U.N.O.

PARTIAL FLOOR PLAN

1 / A1.0 SCALE: N.T.S.

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Tallahassee, FL. 32303
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Fax.: 850-385-7063

Sketch No.: SK-1

Ref. Sht. No.: A1.0

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112	CHAIR STORAGE		●					●				●X●		X						●						8'-0"	
113	CIRCULATION DESK		●					●				●								●			●			10'-0"	SEE RCP FOF
114	WORK SPACE	●						●				●								●						10'-0"	
115	CORRIDOR			●					●			●											●			VARIES	RATED CLG.,

DOOR SCHEDULE

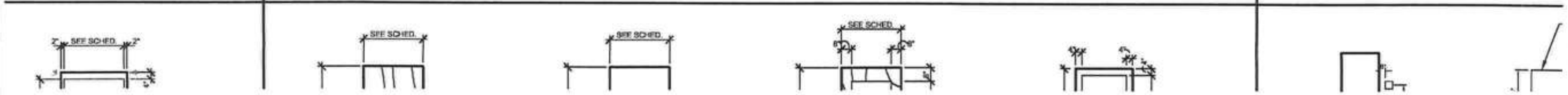
DOOR								FRAME						
DOOR NO.	QUAN.	TYPE	SIZE	MATL.	HDWARE SET	FIRE RATING	GAUGE	TYPE	MATL.	THRESH	HEAD	JAMB	SILL	GAUGE
100	2	D	3'-0"x 7'-0"x 1 3/4	GLASS/MTL					ALUMINUM	METAL	4/A1.1	3/A1.1		
101	2	C	3'-0"x 7'-0"x 1 3/4"	S.C.WD.		45 MIN.			H.M.		1/A1.1	1/A1.1		16
101A	1	D	3'-0"x 7'-0"x 1 3/4"	GLASS/MTL					ALUMINUM	METAL	4/A1.1	3/A1.1		
102	1	C	3'-0"x 7'-0"x 1 3/4"	S.C. WD.				1	H.M.		1/A1.1	1/A1.1		16
103	1	C	3'-0"x 7'-0"x 1 3/4"	S.C. WD.				1	H.M.		1/A1.1	1/A1.1		16
104	1	A	3'-0"x 7'-0"x 1 3/4"	S.C. WD.				1	H.M.		1/A1.1	1/A1.1		16
105	1	B	3'-0"x 7'-0"x 1 3/4"	H.M.			16	2	H.M.	METAL	4/A1.1	3/A1.1	5/A1.1	16
106	1	A	3'-0"x 7'-0"x 1 3/4"	S.C. WD.				1	H.M.		1/A1.1	1/A1.1		16
107	1	A	3'-0"x 7'-0"x 1 3/4"	S.C. WD.				1	H.M.		1/A1.1	1/A1.1		16
108	1	A	3'-0"x 7'-0"x 1 3/4"	S.C. WD.				1	H.M.	MARBLE	1/A1.1	1/A1.1	2/A1.1	16
109	1	A	3'-0"x 7'-0"x 1 3/4"	S.C. WD.		45 MIN.		1	H.M.	MARBLE	1/A1.1	1/A1.1	2/A1.1	16
109A	1	A	3'-0"x 7'-0"x 1 3/4"	S.C. WD.		45 MIN.		1	H.M.	MARBLE	1/A1.1	1/A1.1	2/A1.1	16
110	1	A	3'-0"x 7'-0"x 1 3/4"	S.C. WD.		45 MIN.		1	H.M.	MARBLE	1/A1.1	1/A1.1	2/A1.1	16
110A	1	A	3'-0"x 7'-0"x 1 3/4"	S.C. WD.		45 MIN.		1	H.M.	MARBLE	1/A1.1	1/A1.1	2/A1.1	16
111	2	C	3'-0"x 7'-0"x 1 3/4"	S.C. WD.		45 MIN.		1	H.M.		1/A1.1	1/A1.1		16
111A	1	B	3'-0"x 7'-0"x 1 3/4"	H.M.			16	2	H.M.	METAL	4/A1.1	3/A1.1	5/A1.1	16
112	2	A	3'-0"x 7'-0"x 1 3/4"	S.C. WD.				1	H.M.		1/A1.1	1/A1.1		16
114	NOT USED													

NOTES:
1. SEE SPEC. SEC. 08710 FOR HARDWARE SCHEDULE PREPARATION AND ALLOWANCE PROVISIONS. 1
2. ALL EXIT DOORS TO HAVE PANIC DEVICE.
3. ALL RATED DOORS AND RESTROOM DOORS TO HAVE CLOSERS.

SCALE: 1/8" = 1'-0"

DOOR TYPE ELEVATIONS:

SCALE: 1/8" = 1'-0"



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Revision No.: 1 Date: 03/22/10

Sketch No.: SK-2
Ref. Sht. No.: A1.1

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Tallahassee, FL. 32303
Phone: 850-385-2546
Fax.: 850-385-7063

WINDOW NOTES:

1. PROVIDE 1" INSULATED & TEMPERED GLASS AT ALL EXTERIOR GLAZING UP TO 6'-8" A.F.F.
2. PROVIDE 1/4" TEMPERED GLASS AT ALL INTERIOR GLAZING UP TO 6'-8" A.F.F., U.N.O.
3. PROVIDE CLEAR FIRE LITES AT ALL INTERIOR RATED OPENINGS
4. FRAME SIZES MAY VARY BETWEEN MANUFACTURERS, ADJUST GLAZING DIMENSIONS TO MATCH SPECIFIC MANUFACTURER PER SHOP DRAWING PROCESS.
5. ALL ALUMINUM FRAMES SHALL BE KYNAR 500 FINISHED, COLOR TO BE SELECTED BY OWNER FROM FULL RANGE OF AVAILABLE STANDARD COLORS.
6. ALL EXTERIOR GLAZING SHALL BE TINTED AND ALL INTERIOR GLAZING SHALL BE CLEAR. SUBMIT MANUFACTURERS FULL RANGE OF TINT COLORS FOR OWNERS SELECTION.

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Sketch No.: SK-3

Ref. Sht. No.: A1.3

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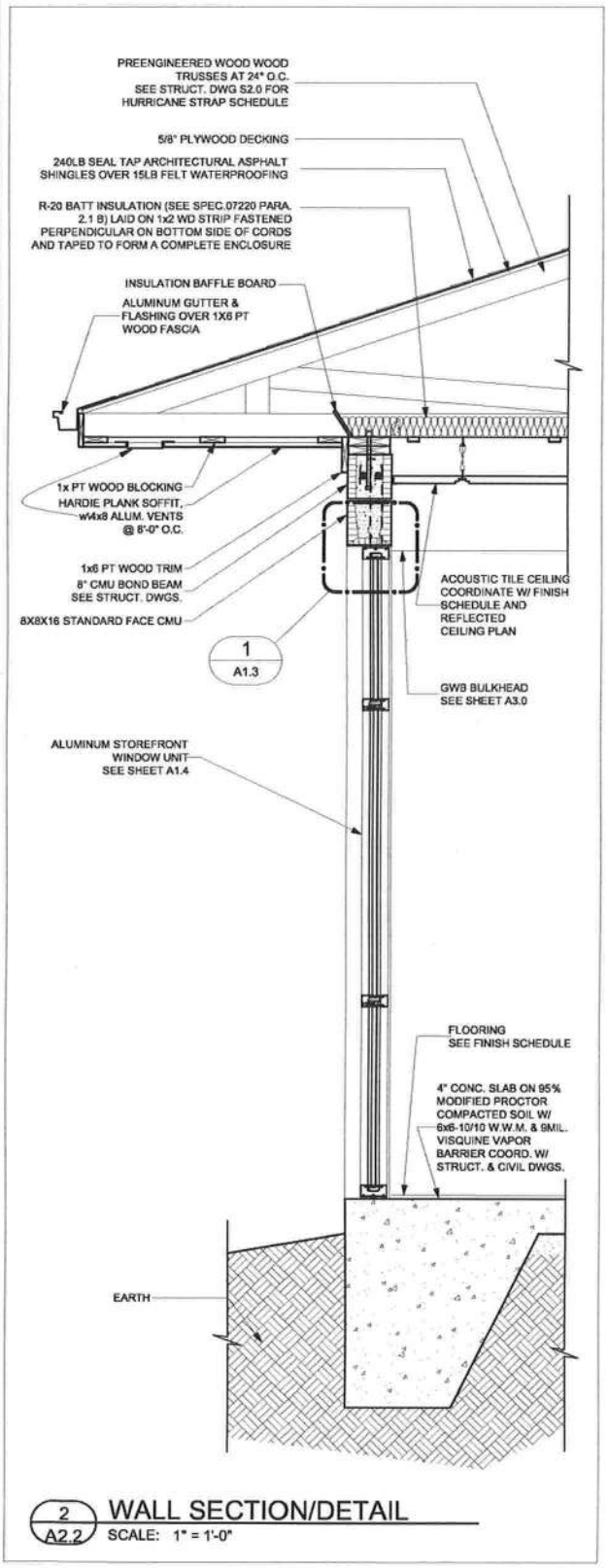
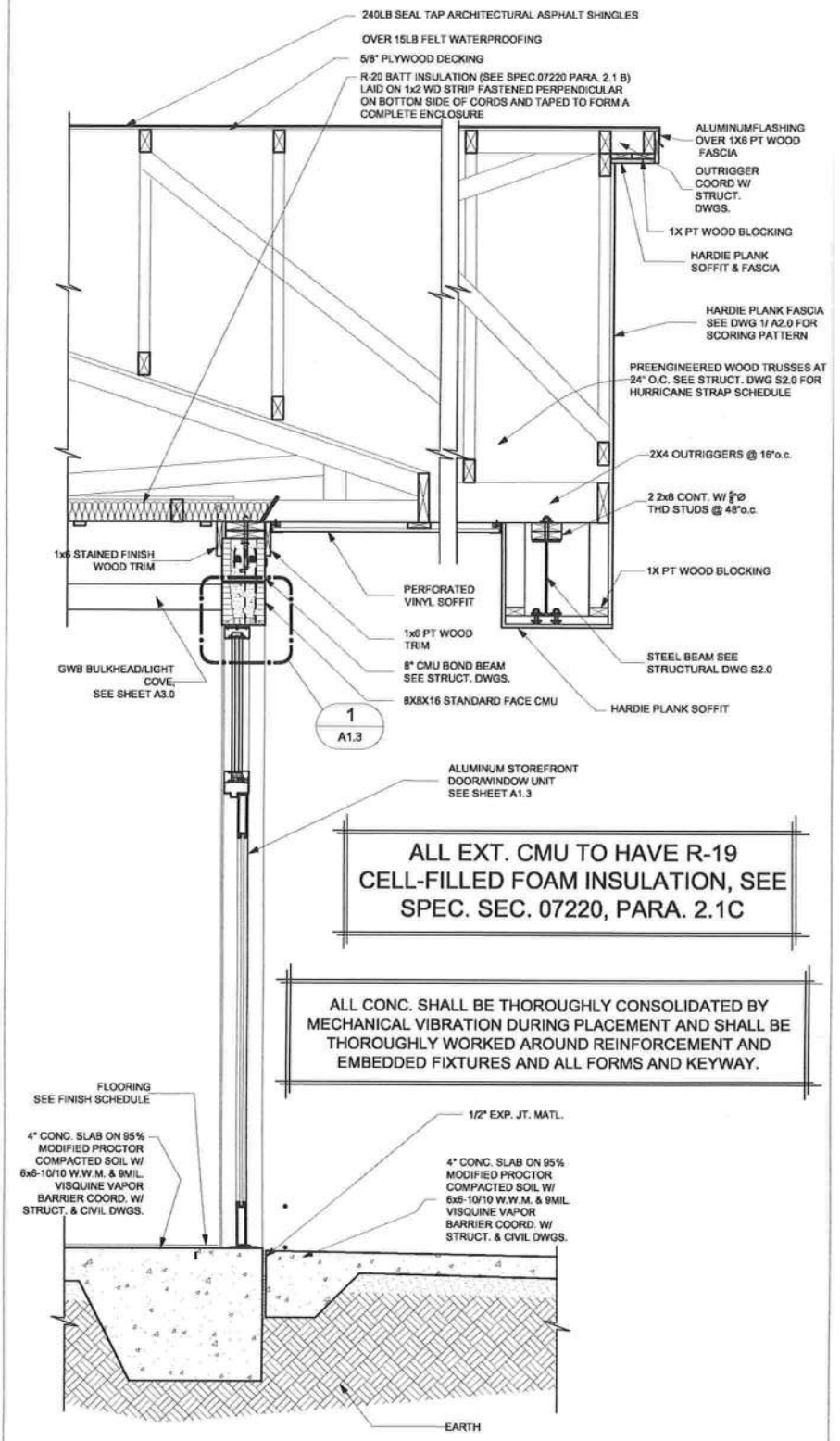
NOTE: REVISIONS SHOWN HERE ALSO APPLIES TO SEC. 1/A2.2



2 A2.2 WALL SECTION/DETAIL
SCALE: 1" = 1'-0"



ALL EXT. CMU TO HAVE R-19 CELL-FILLED FOAM INSULATION, SEE SPEC. SEC. 07220, PARA. 2.1C

ALL CONC. SHALL BE THOROUGHLY CONSOLIDATED BY MECHANICAL VIBRATION DURING PLACEMENT AND SHALL BE THOROUGHLY WORKED AROUND REINFORCEMENT AND EMBEDDED FIXTURES AND ALL FORMS AND KEYWAY.

3 A2.2 WALL SECTION/DETAIL
SCALE: 1" = 1'-0"

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Ref. Sht. No.: A2.2

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SPECIFIC NOTES: THIS SHEET.

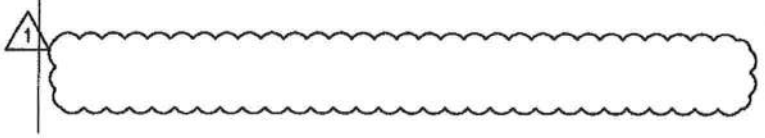
1. UNDERCUT LABELED DOORS 1" UNLESS DOOR IS PART OF RATED WALL, THEN UNDERCUT SHALL BE SMALL ENOUGH TO MAINTAIN WALL RATING.

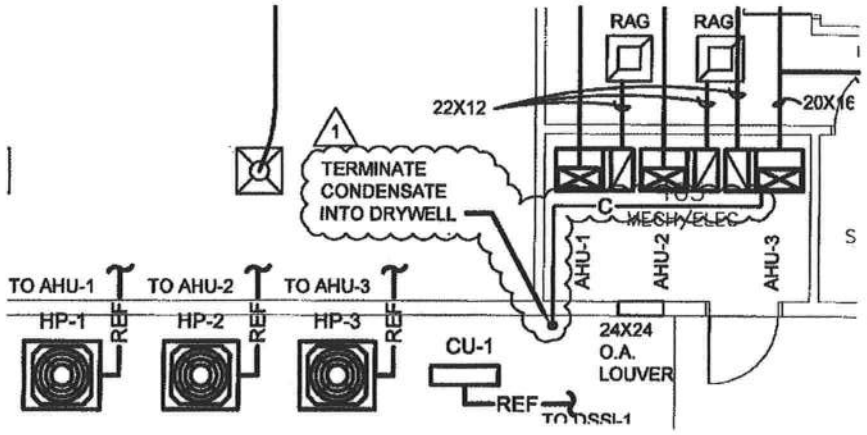
2. THE NOTED O. A. LOUVER SHALL BE MANUFACTURED BY RUSKIN AND SHALL INCLUDE BIRD SCREEN. RUSKIN MODEL NUMBER ELF375DXH.

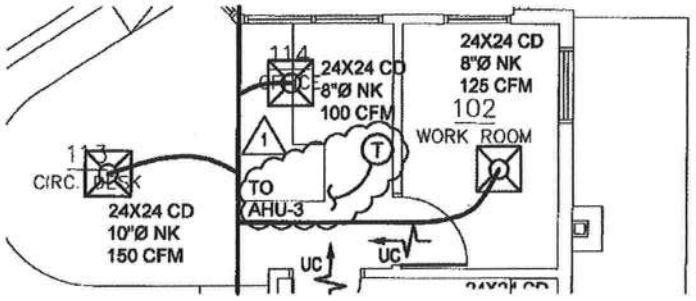
3.THE NOTED R.A. LOUVERS SHALL BE MANUFACTURED BY METALAIRE, MODEL NUMBER RH-1.

4. ALL 6X4,1W,CBCD DIFFUSERS SHALL BE CONNECTED WITH 4"Ø DUCT.

5. CONTRACTOR TO VERIFY CEILING CAVITY HEIGHT FOR DUCTWORK CLEARANCE PRIOR TO BEGINNING WORK. IF PROPOSED DUCTWORK HEIGHT IS DEEMED INSUFFICIENT, CONTRACTOR SHALL NOTIFY ENGINEER.







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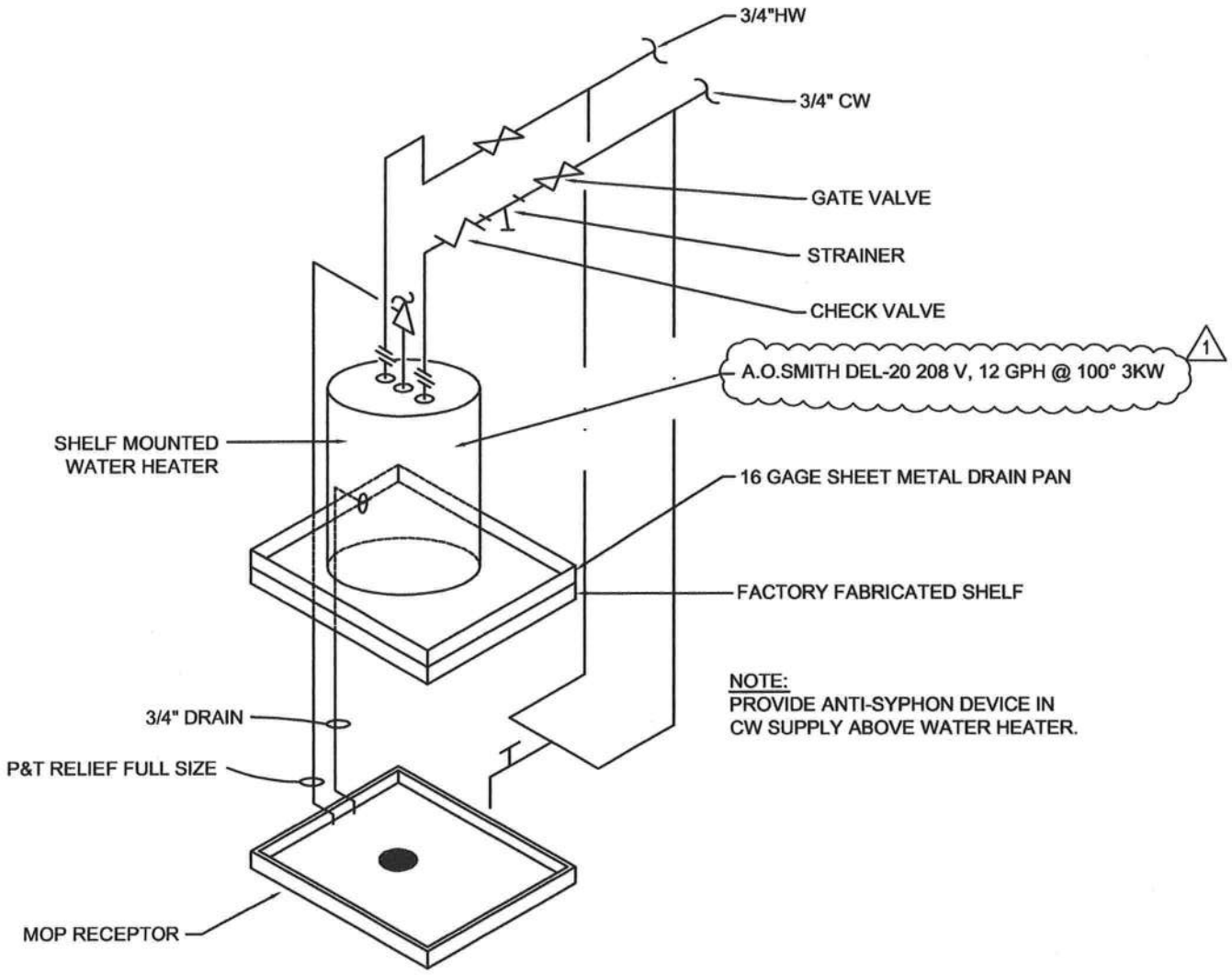

SHELF MTD. WTR. HTR. DETAIL ABV. MOP SINK

SCALE: NTS

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Ref. Sht. No.: P2.1

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AIR CONDITIONING SCHEDULE

MODEL NUMBERS BASED ON CARRIER.

SYSTEM	1	2	3
AHU			
MODEL	FE4ANB006T	FE4ANB006T	FE4ANB006T
CFM	1920	1960	1950
HP/FLA	0.75/6.8	0.75/6.8	0.75/6.8
HEAT KW @208V	6 KW	6 KW	6 KW
MCA	44.7	44.7	44.7
MOCP	45	45	45
VOLTS-PH	208/1	208/1	208/1
DIMENSIONS (LXWXD)	59"X25"X22"	59"X25"X22"	59"X25"X22"
WEIGHT (LBS)	207	207	207
HEAT PUMP	1		
MODEL	25HCB360A60	25HCB360A60	25HCB360A60
VOLTS-PH	208/3	208/3	208/3
OD FAN FLA	1.2	1.2	1.2
COMP RLA	17.0	17.0	17.0
MCA	22.5	22.5	22.5
MOCP	35	35	35
DIMENSIONS (LXWXH)	35"X29"X40"	35"X29"X40"	35"X29"X40"
WEIGHT (LBS)	331	331	331
REFRIGERANT/LBS.	R-410A/12.4	R-410A/12.4	R-410A/12.4
REF. LINES VAP.-LIQ.	1 1/8"-3/8"	1 1/8"-3/8"	1 1/8"-3/8"
CONDENSATE	3/4" FPT	3/4" FPT	3/4" FPT
SYSTEM			
TOTAL BTUH	64870	64870	64870
TOT.SENS.	34890	34890	34890
TONS	5.0	5.0	5.0
SEER	14.0	14.0	14.0

NOTES:

1. ACCEPTABLE ALTERNATE MANUFACTURER SHALL BE TRANE AND RHEEM.

3. EVAPORATOR COILS SHALL BE TIN PLATED.

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Fax.: 850-385-7063

Sketch No.: MSK-2

Ref. Sht. No.: M0.1

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15. ALL DUCT DIMENSIONS SHOWN ARE INTERIOR CLEAR. ALLOW FOR LINER. ALL DUCTWORK SHALL BE LOCATED BELOW ROOF INSULATION.

16. ALL DUCTWORK SHALL BE GALVANIZED STEEL WITH 2" INSULATION STAPLED, TAPED AND MASTIC. MAIN TRUNKS, EXHAUST AND OUTSIDE AIR DUCTWORK SHALL BE GALVANIZED STEEL. ALL BENDS GREATER THAN 45 DEGREES SHALL HAVE TURNING VANES. CONTRACTOR SHALL VERIFY ALL CLEARANCES AND ADJUST FOR FIELD CONDITIONS PRIOR TO CONSTRUCTING ANY DUCTWORK. ALL DUCT SIZES ARE CLEAR INSIDE DIMENSIONS. INSTALL ALL DUCTWORK PER APPROPRIATE SMACNA STANDARD.

17. TRUNK DUCT SHALL EXTEND AT LEAST 6" BEYOND THE LAST BRANCH DUCT TAKEOFF.

18. ALL TRANSITIONS SHALL BE MADE WITH A SLOPE NOT EXCEEDING 1 TO 4.

19. ANY FLEXIBLE DUCT SHALL BE STRETCHED OUT, INSTALLED, AND HUNG SO AS TO PRODUCE A STRAIGHT SMOOTH AIR PATH WITH LESS THAN 5" SAG IN 10 FEET. SUPPORT DUCT WITH ADEQUATE HANGERS AT EVERY 10 FEET. UNNECESSARY BENDS, SAGS, TWISTS, ETC. WILL NOT BE ALLOWED.

20. ALL FLEXIBLE DUCT CONNECTIONS TO THE DIFFUSERS AND GRILLES SHALL USE FABRICATED METAL TRANSITION PIECES. ALL CONNECTIONS SHALL BE INSULATED, TIE-WRAPPED, TAPED AND MASTIC.

21. ALL BRANCH TAKE-OFFS TO BE PROVIDED WITH MANUAL VOLUME DAMPERS. ALL ELBOWS AND TEES MUST BE FURNISHED WITH TURNING VANES. PROVIDE MANUAL VOLUME DAMPERS WITH EXTRACTOR AT ALL FLEX TAKE-OFFS.

37. HVAC THERMIDISTATS SHALL BE MANUFACTURER'S STANDARD PROGRAMMABLE DIGITAL UNIT WITH ACCESSORIES AS SPECIFIED IN MECHANICAL EQUIPMENT SCHEDULE. LOCATE THERMIDISTATS 60" AFF UNLESS OTHERWISE INDICATED.

38. ANCHOR OUTDOOR EQUIPMENT AS REQUIRED TO MEET LOCAL WIND LOADING REQUIREMENTS OF THE FLORIDA BUILDING CODE. INSTALL (3) S.S. SCREWS PER SIDE.

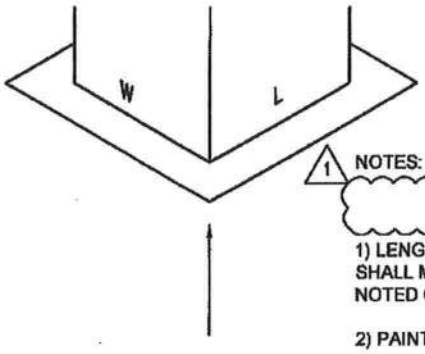
39. THE CONTRACTOR SHALL FURNISH A WRITTEN WARRANTY THAT SHALL GUARANTEE ALL WORKMANSHIP AND MATERIALS FOR ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE ARCHITECT. ANY BREAK-DOWN OCCURRING IN THE FIRST YEAR SHALL BE REPAIRED AT NO COST TO THE OWNER. A/C COMPRESSORS SHALL HAVE A 5 YEAR GUARANTEE.

40. PRIOR TO ANY ROUGH-IN CONTRACTOR TO PROVIDE SCALED DRAWINGS (WITH ACTUAL DIMENSIONS OF APPROVED EQUIPMENT) SHOWING LOCATIONS AND PROPER CLEARANCES OF ALL MECHANICAL EQUIPMENT, DUCTWORK, ETC. FOR APPROVAL. DRAWINGS WILL SHOW ELECTRICAL, PLUMBING AND ARCHITECTURAL AS WELL AS MECHANICAL EQUIPMENT.

41. MECHANICAL CONTRACTOR SHALL PROPERLY REMOVE AND DISCARD ALL EXISTING DUCTWORK.

42. ALL EXISTING FLOOR GRILLES AND DIFFUSERS SHALL BE REMOVED WITH THE FLOOR PATCHED AND REPAIRED TO MATCH EXITING FINISH UNLESS NEW FINISH IS SPECIFIED BY ARCHITECT.

43. MECHANICAL CONTRACTOR SHALL REMOVE ALL EXISTING MECHANICAL EQUIPMENT AND DISCARD OF THEM PROPERLY.



NOTES:

1) LENGTH (L) AND WIDTH (W) INSIDE DIMENSIONS SHALL MATCH GRILLE SIZE UNLESS OTHERWISE NOTED ON DRAWING.

2) PAINT DUCT INTERIOR BLACK.

RETURN AIR GRILLE W/ TRANSFER DUCT DETAIL

SCALE: NTS

MECHANICAL
ELECTRICAL
PLUMBING
FIRE PROTECTION

www.MEPSoutheast.com
3116 Capital Circle NE, Suite 9
Tallahassee, FL 32308

TEL: (850) 668 - 0180
FAX: (850) 668 - 1451
FL: CA27309
FL PE 50772

MEP SOUTHEAST PLLC
ARCHITECTURAL ENGINEERS

AKIN & ASSOCIATES ARCHITECTS, INC.
2603 W. Tharpe St. Suite A
Tallahassee, FL. 32303
Phone: 850-385-2546
Fax.: 850-385-7063

Sketch No.: MSK-1

Ref. Sht. No.: M0.1

NEW FT. WHITE BRANCH LIBRARY
FT. WHITE, FLORIDA

Revision No.: 1 Date: 03/22/10

Accurate PEST CONTROL, INC.

#28689

NOTICE OF TERMITE PROTECTIVE TREATMENT

AS REQUIRED BY FLORIDA BUILDING CODE (FBC) 104.2.6

DATE OF TREATMENT: 7/12/10 TIME OF TREATMENT: IN 10:20 APPLICATOR: Kenny

OUT _____

BUILDER NAME: Peter Brown construction (Ft. white branch library)

TREATMENT ADDRESS: 17700 SW SR 47

Ft. white

Entire slab was treated

JOB #: 000028689 LOT: _____ BLOCK: _____ UNIT: _____

SPRAY & TAMP SPRAY ONLY SPRAY # 1 RESIDENTIAL COMMERCIAL ADDITION

CHEMICAL: cypermethrin cyper TC vol. .25=.5 ADJ. .5 %

253.15 GALLONS

5.063 cyper

MONOLITHIC 5063 S/F STEMWALL _____ SF

_____ L/F _____ L/F

PERIMETER TREATMENT

CHEMICAL: _____ _____ % _____ GALLONS

DATE OF TREATMENT: _____ TIME OF TREATMENT: _____ APPLICATOR: _____

_____ L/F

Ben Corbin

300 S. STATE ROAD 7 PLANTATION, FLORIDA 33317 954-584-8588 1-800-749-8588 FAX: 954-584-6117

Columbia County Building Permit Application ☑ Fire Dept letter on Plan one

For Office Use Only Application # 1006-46 Date Received 6/17/10 By GT Permit # 28689

Zoning Official _____ Date _____ Flood Zone _____ Land Use Ft. White Zoning Letter Rec'd

FEMA Map # _____ Elevation _____ MFE _____ River _____ Plans Examiner HD Date 6-23-10

Comments _____

☑ NOC ☑ EH ☑ Deed or PA ☐ Site Plan ☑ State Road Info ☐ Parent Parcel # _____

☐ Dev Permit # _____ ☐ In Floodway ☑ Letter of Auth. from Contractor ☑ F W Comp. letter

IMPACT FEES: EMS _____ Fire _____ Corr _____ Road/Code _____

School _____ = TOTAL _____ ☑ Sewer Permit

Septic Permit No. 10-0296-N Fax _____

Name Authorized Person Signing Permit Brooks Hayes * Phone 850 251-5458

Address 1424 Piedmont Drive East Tall. 32308-7956

Owners Name Columbia County - Board of County Commisoners Phone 386-755-4100

911 Address 17700 SW State Road 47 Fort White, FL 32038

Contractors Name Peter R. Brown Construction, Inc. Allan Franklin 850-668-4498 (phone) Phone 850-668-6790 (fax)

Address 1424 Piedmont Drive East Tallahassee, FL 32308-7956

Fee Simple Owner Name & Address Columbia County, FL

Bonding Co. Name & Address Safeco Insurance Company of America 1001 Fourth Ave., Safeco Plaza Seattle, Wa 98154

Architect/Engineer Name & Address AKin & Associates Architects, Inc. 2603 West Tharpe Street Tallahassee, FL 32303

Mortgage Lenders Name & Address N/A

Circle the correct power company – FL Power & Light – Clay Elec. – Suwannee Valley Elec. – Progress Energy

Property ID Number 28-6S-16-03967-004 Estimated Cost of Construction $400,000.00

Subdivision Name _____ Lot ____ Block ____ Unit ____ Phase ____

Driving Directions West Side State Road 47, Due North of Koon Hollow Road.

_____

_____ Number of Existing Dwellings on Property 0

Construction of County Library Total Acreage 6.05 Lot Size _____

Do you need a ~~Culvert Permit~~ or Culvert Waiver or Have an Existing Drive DOT Total Building Height 23'-3½"

Actual Distance of Structure from Property Lines - Front 325' Side 90' Side 245' Rear 107'

Number of Stories 1 Heated Floor Area 5,063 Total Floor Area 5,063 Roof Pitch 4:12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

Columbia County Building Permit Application

TIME LIMITATIONS OF APPLICATION : An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

TIME LIMITATIONS OF PERMITS: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment: According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full.
This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE: ***YOU ARE HEREBY NOTIFIED*** as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. It may be to your advantage to check and see if your property is encumbered by any restrictions.

(Owners Must Sign All Applications Before Permit Issuance.)

Owners Signature ****OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.**

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.

Contractor's Signature (Permitee)

Contractor's License Number CGC053620
Columbia County Competency Card Number 925

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 1st **day of** June **20**10

Personally known ✓ **or Produced Identification** _____

Joanna LeBlanc
State of Florida Notary Signature (For the Contractor)

SEAL:

JOANNA LEBLANC
MY COMMISSION # DD 8[illegible]
EXPIRES: August 27, 2013
Bonded Thru Notary Public Underwriters

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1006-46 CONTRACTOR Peter R. Brown Construction PHONE 850-668-4498

Fort White Library **THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT** Fax# 850-668-6790

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL 765	Print Name David P. Wood License #: EC13002213	Signature [signature] Phone #: 386-364-5246
MECHANICAL/ A/C ____	Print Name License #:	Signature Phone #:
PLUMBING/ GAS	Print Name License #:	Signature Phone #:
ROOFING 729	Print Name Michael Pittman an son License #: CCC1326190	Signature Michael Pit Phone #: 386-454-3233
SHEET METAL	Print Name License #: N/A	Signature Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name License#: N/A	Signature Phone #:
SOLAR	Print Name License #: N/A	Signature Phone #:

[illegible]	[illegible]	[illegible]	[illegible]
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1006-46 CONTRACTOR Peter R. Brown Construction PHONE 850-668-4498
Fort White Library THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT FAX 850-668-6790

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Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name _____ License #:	Signature _____ Phone #:
MECHANICAL/ A/C _____	Print Name _____ License #:	Signature _____ Phone #:
PLUMBING/ GAS	Print Name Terry R. Ross License #: CFC 056481	Signature _____ Phone #: 352-728-6053
ROOFING	Print Name _____ License #:	Signature _____ Phone #:
SHEET METAL	Print Name _____ License #: N/A	Signature _____ Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name _____ License#: N/A	Signature _____ Phone #:
SOLAR	Print Name _____ License #: N/A	Signature _____ Phone #:

MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
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Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name License #:	Signature Phone #:
MECHANICAL/ A/C ok	Print Name Glenn E Jones Jr License #: CAC051486	Signature Phone #: 386-754-5389
PLUMBING/ GAS	Print Name License #:	Signature Phone #:
ROOFING	Print Name License #:	Signature Phone #:
SHEET METAL	Print Name License #: N/A	Signature Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name License#: N/A	Signature Phone #:
SOLAR	Print Name License #: N/A	Signature Phone #:

MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
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CABINET INSTALLER			
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Town of Fort White P.O. Box 129 Fort White, Florida 32038
(386) 497-2321 (p) (386) 497-4946 (f)
townofftwhite@windstream.net

CERTIFICATE OF COMPLIANCE & REQUEST FOR ISSUANCE OF BUILDING PERMIT

The undersigned hereby certify the following property is in compliance with the Town of Fort White's Comprehensive Plan and Land Development Regulations for the stated development purposes:

FILE No. **09-009**

OWNER'S NAME: Columbia County

ADDRESS: P.O. Box 1529 Lake City, Florida 32056

PROPERTY DESCRIPTION: 6.05 AG Acres @ 17692 SW SR 47 parcel No. 03967-004

DEVELOPMENT: New Construction Columbia County Public Library

You are hereby authorized to issue the appropriate permits

Please fax a copy of the Applicants permit to 386-497-4946

06.21.2010
DATE

Janice E. Revels
LDR Administrator

COLUMBIA COUNTY BUILDING DEPARTMENT
Received for FILE COPY
Code Compliance
PLANS EXAMINER

Inst 201012009724 Date 6/17/2010 Time 1 21 PM
DC P DeWitt Cason Columbia County Page 1 of 1 B 1196 P 1010

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 28-65-16-03967-004

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this **NOTICE OF COMMENCEMENT**.

1. Description of property *(legal description)*: Section 28, Township 6 South, Range 16 East
   a) Street *(job)* Address: State Road 47
2. General description of improvements: Addition of ~~Ext~~ Fort White Library
3. Owner Information
   a) Name and address: Columbia County - Board of County Commissioners
   b) Name and address of fee simple titleholder (if other than owner) _____
   c) Interest in property Owner
4. Contractor Information
   a) Name and address: Peter R. Brown Construction, Inc. 1424 Piedmont Drive East Tallahassee, FL 32308
   b) Telephone No.: 850-668-4498 Fax No. (Opt.) 850-668-6790
5. Surety Information
   a) Name and address: Safeco Insurance Company of America 1001 Fourth Ave. Safeco Plaza Seattle, Wa 98154
   b) Amount of Bond: $392,000.00
   c) Telephone No.: 206-545-5000 Fax No. (Opt.) _____
6. Lender
   a) Name and address: N/A
   b) Phone No. _____
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
   a) Name and address: Columbia County; Ben Scott P.O. Box 1529 Lake City, FL 32056
   b) Telephone No.: 386-719-2028 Fax No. (Opt.) 386-758-2182
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b). Florida Statutes:
   a) Name and address: N/A
   b) Telephone No. _____ Fax No. (Opt.) _____
9. Expiration date of Notice of Commencement **(the expiration date is one year from the date of recording unless a different date is specified)**: _____

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

10. _____
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager

_____
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 9th day of June, 2010, by: Ronald Williams as Chairman **(type of authority, e.g. officer, trustee, attorney fact)** for Board of County Commissioners **(name of party on behalf of whom instrument was executed).**

Personally Known ✓ OR Produced Identification _____ Type _____

Notary Signature Penny D. Stanley Notary Stamp or Seal:

PENNY D. STANLEY
MY COMMISSION # DD 769398
EXPIRES: July 15, 2012
Bonded Thru Notary Public Underwriters

---AND---

11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

_____
Signature of Natural Person Signing (in line #10 above.)

RECEIVED
JUN 21 2010
BY: _____

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 3/12/2010 **DATE ISSUED:** 3/15/2010

ENHANCED 9-1-1 ADDRESS:

17700 SW STATE ROAD 47

FORT WHITE FL 32038

PROPERTY APPRAISER PARCEL NUMBER:

28-6S-16-03967-004

Remarks:

PROPOSED LIBRARY (FORT WHITE)

Address Issued By: _____

Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

1665

Columbia County Property Appraiser

J. Doyle Crews - Lake City, Florida 32055 | 386-758-1083

PARCEL: 28-6S-16-03967-004 - COUNTY (008600)

COMM AT SE COR OF SEC, RUN W 1461.59 FT TO W R/W OF S R 47, RUN N ALONG R/W 261.34 FT, CONT ALONG R/W 568.55 FT, W ALONG N R/W OF KOON HOLLOW RD, 319.

Name: COLUMBIA COUNTY

Site: 17692 SW STATE ROAD 47

Mail: P O BOX 1529
LAKE CITY, FL 32056-1529

Sales	2/8/2006	$200,000.00	V / U
Info	6/14/2005	$100.00	V / U

2009 Certified Values

Land	$98,010.00
Bldg	$0.00
Assd	$100,510.00
Exmpt	$100,510.00
Taxbl	Cnty: $0 Other: $0 | Schl: $0

NOTES:

COLUMBIA COUNTY FIRE RESCUE

P.O. BOX 1529 Lake City, Florida 32056
Office (386) 754-7071 Fax (386) 754-7064

Division Chief
David L. Boozer

12 April 2010

TO: Harry Dicks
Columbia County Building and Zoning

FROM: David L. Boozer
Division Chief / Fire Marshal

RE: New Ft. White Library

A plan review was performed of the proposed construction of the Dollar General building to be located on US 441 in Ellisville. This building was classified under Chapter 12, New Assembly, of the Florida Fire Prevention Code, 2007 Edition. I recommend Approval of the building with the following conditions;

- Site Plan indicating Fire Hydrant Placement
  - NFPA 1, *Annex H* Fire Flow calculation 1500 GPM
  - NFPA 1142, *Annex G, Standard on Water supplies,* requires that 2 Fire Hydrants with-in 300' of the structure.
- Electrical Disconnect
  - NFPA 1:11.1.7 states, "Means shall be provided for the fire department to disconnect the electrical service to a building, structure or facility when the electrical is covered under the scope of NFPA 70.
  - NFPA101:7.9 states, Emergency lighting shall be provided for not less than 11/2 hours in the event of failure of normal lighting. Emergency Lighting facilities shall be arranged to provide initial illumination that is not less than an average of 1-candle (10.8 lux) and at any point, not less than.01 ft-candle (6.5 lux), measured along the path of egress at floor level.
    - Additional EM Light to be located at the areas of Rooms 113/114
    - Additional EM Light to be located at Room 100

Should you require any additional information, please feel free to contact my office.

Sincerely,

David L. Boozer

COLUMBIA COUNTY BUILDING DEPARTMENT
Received for FILE COPY
Code Compliance
PLANS EXAMINER

Florida Department of Transportation

CHARLIE CRIST
GOVERNOR

Lake City Maintenance Office
Post Office Box 1415
Lake City, Florida 32056-1415

STEPHANIE C. KOPELOUSOS
SECRETARY

FDOT - Lake City Maintenance
Permits Department
Post Office Box 1415
Lake City, Fl. 32056-1415

COLUMBIA COUNTY BUILDING DEPARTMENT
Received
for
FILE COPY
Code
Compliance
PLANS EXAMINER

Date: 1-06-10

GTC Design Group, LLC
Mr. Chad Williams, PE
PO Box 1529
Lake City, Fl. 32055

RE: Approved State FDOT Commercial Access Connection Permit

Project Name: Columbia County, Ft. White Public Library
Permittee: Columbia County Board of County Commissioners
Access Permit No: 09-A-292-0025
State Highway No: 47 (S) / Permit Category: B
State Section No: 29020 / State Mile Post: 4.963 + -

Mr. Williams:

This letter shall acknowledge your request on behalf of your client, the Columbia County Board of County Commissioners in making proposed Access & Roadway Access Improvements to State Highway No. 47 (S) in Columbia County, Florida. Your client(s) are hereby granted permission by State Access Permit to make the following described improvements for the permitted development identified above.

LANE CLOSURE RESTRICTIONS

DUE TO ANTICIPATED HEAVY TRAFFIC VOLUMES WITHIN THE AREA OF PERMITTED IMPROVEMENTS, THE PERMITTEE AND ALL GENERAL AND SUBCONTRACTORS SHALL HAVE NO LANE CLOSURES BETWEEN THE HOURS OF 4:00 PM TO 8:30 AM. FAILURE BY THE PERMITTEE AND/OR HIS/HER GENERAL AND SUBCONTRACTORS TO ADHERE TO THESE SPECIAL PERMIT TIME SCHEDULE REQUIREMENTS, SHALL BE REASON TO SUSPEND AND/OR VOID THE CURRENT APPROVED PERMIT. IF DEEMED NECESSARY BY THE ON-SITE STATE FDOT PERMITS PERSONNEL, THE STATE ACCESS PERMITTED CONSTRUCTION LIMITS SHALL BE CLOSED/SHUTDOWN, UNTIL SUCH TIME AS THE PERMITTEE HAS BROUGHT THE PROJECT BACK INTO COMPLIANCE WITH THE PERMIT REQUIREMENTS AND TO FDOT SATISFACTION.

14-96.008 Construction and Maintenance of Traffic Requirements. All construction and maintenance on Department right of way shall conform to the Federal *Manual on Uniform Traffic Control Devices* (MUTCD), incorporated by reference under Rule 14-15.010, F.A.C. All construction and maintenance on Department right of way shall also conform to the Department's *Design Standards*, January 2002, Topic #625-010-003; the *Standard Specifications for Road and Bridge Construction*, 2000 Edition, the Department's *Plans Preparation Manual*, January 2003, or other generally accepted professional practices. With the exception of the MUTCD, which already is incorporated by reference under Rule 14-15.010, F.A.C., the manuals and standards specifically listed in this section are hereby incorporated by reference and made a part of the rules of the Department of Transportation.

(1) Disruption of Traffic. For safety and operational purposes, the Department may require or restrict hours of construction to minimize disruption of traffic on the State Highway System. When construction activity on a connection causes undue disruption of traffic or creates safety hazards on a state highway, the District Secretary or designee shall advise the permittee of the need for immediate corrective action by a specified time, and may issue a Stop Work order if deemed necessary.

(2) Connection Completion Time Limit. Construction shall be completed within one year of the date of issuance of the permit. Failure to comply with the one year time limit shall result in an automatic expiration of the permit unless extended by the Department as described in Section 335.185(2), Florida Statutes. A stop work order may be issued by the Department if work exceeds the imposed time restrictions. For any permit which expires for failure to construct the connection within the one year limit, the applicant shall submit a new application, including the payment of the required application fee prior to the initiation or continuation of any construction.

PERMITTED ACCESS IMPROVEMENTS

Proposed for new construction is a single raised median, divided commercial access connection. The proposed connection shall have a minimum fourteen-foot wide and the right-out shall have a twelve-foot wide travel lane. This full movement commercial access connection shall also require double fifty-foot turnout radii. The proposed main entrance connection shall also require a separate southbound minimum one-hundred (100') LF of 0' to 12' foot wide asphalt paved taper. The proposed driveway shall require a minimum of 134 Total LF + of eighteen (18") inch round diameter BCCMP sidedrain with Mitered End Sections attached and included in the total length shown here.

Special Provision for Existing Paved Shoulders: The existing outside paved shoulder lying between the two construction limits of the proposed new connection/taper shall be mechanically sawn and removed to provide for a smooth transition edge with the newly planned asphalt connection improvements. This new main entrance connection and south bound taper shall require shall be built on a finished 0.02% slope (from C/L Crown) with the new asphalt paved shoulders being constructed on a finished 0.06% grade slope. The required sidedrain pipe shall be placed in the ditch line 4 inches below the existing flow grade. Note additional F Sections (see MES detail sheet 6) are required to be attached to each end of the pipe. These F Sections shall require MES Slope Cuts of 1:4 per FDOT Index 273. The sidedrain BCCCMP shall be centered within the existing FDOT ditch flowline with the required MES cuts aligned straight up.

The new main library driveway shall require double fifty (50') foot wide paved turning radii with new five (5') wide asphalt paved shoulders. Note: The Permittee and his/her GC or Sub-Contractors are again reminded that all existing paved shoulders must be removed per the approved plan.) The proposed driveway shall require minimum five (5') foot wide or greater earthen stabilized shoulders on a maximum 4:1 slope. All sloped shoulders shall be required to be stabilized throughout the full turn movements of their respective turnout radii and throughout the full limits of the project with grass sod coverage over all areas between the edge-of-pavement and the State R/W Line. **Required Grass Sod shall on site and in place before paving can commence.**

SIDE ACCESS PAVEMENT DESIGN

The permitted commercial access connection shall be constructed with a minimum twelve (12") inch depth Stabilized earth subgrade (LBR 40 required), 8 inches of compacted crushed FDOT Certified Limerock Base Material Course with a 0.1 gal./S.Y. Prime Coat with a minimum two (2") inch compacted finished asphalt surface course of FDOT Type FC-12.5, (Refer to Sheet C7.)

NEW SB DECELERATION TAPER CONSTRUCTION REQUIREMENTS

The proposed new South Bound 100 LF Asphalt paved Deceleration Taper shall require the same design requirements as shown for the new access connection with one exception. The final finished asphalt surface course shall require a minimum of three (3") inches minimum. This shall require two separate 1.5-inch asphalt lift courses to be placed down.

Testing Requirements

All subgrade, base and or structural materials used shall require proof of passing density testing in accordance with those found in the most current FDOT Standard Specifications for Road & Bridge Construction Manual. Five density tests (3 on the main driveway and 2 to the paved taper shall be required. Each density test must achieve or exceed a minimum of 98% compaction density.

Proof of passing density shall be forwarded to the local FDOT Permits Inspector at Lake City Maintenance a minimum of 48 hours in advance of any planned concurrent paving commencement. The Permittee, his/her General Contractor shall contact the FDOT Permits Office for directions from FDOT Permits Office as to the location of these tests sites. **No paving can commence without proof of passing density tests. Failure on the Permittees' behalf to provide the necessary density tests results is reason to suspend the Permittee's FDOT issued permit or on-going construction upon FDOT R/W.**

Pavement Striping and Signage Requirements

The new asphalt connection and taper's finished surface course shall be striped/marked as shown in the approved plan set. Per the approved permit and site plan all required pavement striping shall be made with Certified "Lead Free", Thermoplastic marking and striping material for those areas lying both on and off FDOT R/W that affect or pertain to the approved permitted driveway attaching to the SR-47 South Bound Lane. All new Thermoplastic Striping as well as aboveground signage shall conform to the State FDOT Indexes 17302, 17346 and /or 11860 for aboveground signs. **All thermoplastic marking materials shall be "Certified Lead Free" Materials.**

All aboveground signs required under this approved permit shall have been constructed in place and according to FDOT Index requirements before final driveway asphalt paving or concreting can commence.

Notice: A Minimum 14-Day Asphalt Cure-out period shall be required of the newly constructed asphalt surface course before any thermoplastic markings can be placed down. The new connection shall not be utilized at any time before the FDOT Permits Office has made their final inspection with a passing grade inspection being obtained/received, with evidence of same to the Permittee from the State Permits Office.

Roadway, Ditch/Slope Area, Grass Sodding Requirements & R/W Restoration
All areas of the ditch line its slopes, radii and other areas that fall within the limits of the permitted Access turning radii shall receive a complete coverage of Certified Coastal Bermuda Grass Sod. All other areas outside this particular area shall require a complete coverage of hulled Bermuda grass and millet seed with copious amounts of Straw Mulch covering all. All areas upon FDOT R/W shall be made clean and acceptable as judged by the State FDOT Permits Office Personnel.

Notice of Final Approved Plans Interpretation
The Local Permits Office having jurisdiction over the approved permit shall have final determination over all approved plans/ construction concepts and method details that could affect the FDOT Right-of-Way Property.

Notice of Pre-Construction Meeting (Mandatory)
The Permittee and his/her construction supervisor(s) shall meet a minimum of 48 hours in advance of activation of this permit, so that all parties will have an opportunity to read in detail this attached cover letter, review its plans and be provided the opportunity to ask any questions he or she may have in regards to this permit. It shall be the Permittee's responsibility to contact the local Permits Office no later than 48 hours in advance of the planned activation/construction commencement date, so that this provision can be completed satisfactory to all parties involved. **THIS IS A MANDATORY PERMIT PROVISION!**

Storm water Erosion Control Plan
The approved Permittee shall be solely responsible for the control of stormwater and it's affects during the complete construction phase of permitted improvements approved under this FDOT Access Permit No. 04-A-292-0040. Under no conditions shall any work commence upon FDOT R/W before all required Stormwater and/or Erosion Control plans has been put in place and received an inspection through the Permits Office.

Grass Sod Requirement Details
All slopes, shoulders, ditches, and other disturbed areas within the limits of the proposed paved turnout radii, shall be completely grass sodded with Certified Coastal Bermuda grass. **Note: all grass shall be installed, watered and inspected for evidence of growth, before any paving can commence under this permit. Failure to complete this provision can be reason for temporary suspension of this permit.**

NOTICE: ALL R/W RESTORATION AND REQUIRED GRASS SOD SHALL BE PLACED DOWN AND INSPECTED BEFORE ANY ASPHALT PAVING CAN COMMENCE UNDER THIS APPROVED PERMIT.

All construction shall be to the most current F.D.O.T. Roadway and Traffic Design Standards and F.D.O.T. Standard Specifications for Road and Bridge Construction. All construction shall be per approved permit, cover letter, special provisions, and signed and sealed site plans and shall conform to all current F.D.O.T. Specifications and Inspections. No work can commence on F.D.O.T. right- of-way before the approved Maintenance of Traffic Plan is in place. The FDOT Permits Staff shall have final say as to any conflicts of interest that may occur, before, during or after the construction phase.

Save Harmless Clause

Please refer to the approved permit, site plan drawings and if attached addendum and/or Survey Plat for Access type, location and construction details. Refer to the approved connection permit for additional **General and Special Provisions** that could alter construction design plans as shown on the attached site plan sheet. A copy of the approved site plan and the permit itself shall be on site at all times. Construction on the Department of Transportation's Right-of-Way shall meet all of the Department's Standard Construction Specifications and Safety Criteria.

This Permit is issued with the understanding that a Department approved contractor shall perform all construction in accordance with F.D.O.T. Specifications and that all costs of construction shall be borne by the applicant.

It is also understood and agreed that the rights and privileges herein set out, are granted only to the extent of the State's Right, Title and Interest in the land to be entered upon and used by the holder, and the holder will at all times, assume all risk of and indemnify, defend, and save harmless the State of Florida and the Department from and against any and all loss, damage, cost or expense arising in any manner on account of the exercise or attempted exercise by said holder of the aforesaid rights and privileges.

Also, please request your Engineer or Representative to contact our Permits Coordinator , Neil E. Miles, located at 710 NW Lake Jeffery Road, Suite No. 101, Lake City, Florida, 32055-2621, Phone Number (904) 961-7193 or if no answer 961-7180, a minimum of **48** hours prior to your planned commencement date. Legal 2-way verbal contact is required.

Sincerely,

Neil E. Miles
Access Permits Coordinator

Rule 14-96, F.A.C.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

DRIVEWAY CONNECTION PERMIT FOR ALL CATEGORIES

PART 1: PERMIT INFORMATION

APPLICATION NUMBER: 09-A-292-0025

Permit Category: B Access Classification: 6

Project: Ft. White Library

Permittee: Col Co. Board Of Co. Commissioners / Lisa Roberts

Section/Mile Post: 29020/ 4.963+- State Road: 47 (N)

Section/Mile Post: N/A State Road: N/A

PART 2: PERMITTEE INFORMATION

Permittee Name: Col. Co. Board Of Co. Commissioners / Lisa Roberts

Permittee Mailing Address: Po Box 1529

City, State, Zip: Lake City, Fl.32055

Telephone:

Engineer/Consultant/or Project Manager: GTC Design Group, LLC

Engineer responsible for construction inspection: Chad Williams (NAME) P.E. #

Mailing Address: PO Box 187

City, State, Zip: Live Oak, Fl.32064

Telephone: (386)362-3678 Mobile Phone N/A

PART 3: PERMIT APPROVAL

The above application has been reviewed and is hereby approved subject to all Provisions as attached.

Permit Number: 09-A-292-0025

Department of Transportation

Signature: Neil E. Miles Title: Permits' Coordinator

Department Representative's Printed Name Neil E. Miles

Temporary Permit ○ YES ◉ NO (If temporary, this permit is only valid for 6 months)

Special provisions attached ◉ YES ○ NO

Date of Issuance: JAN 12 2010

If this is a normal (non-temporary) permit it authorizes construction for one year from the date of issuance. This can only be extended by the Department as specified in 14-96.007(6).

See following pages for General and Special Provisions

PART 4: GENERAL PROVISIONS

1. Notify the Department of Transportation Maintenance Office at least 48 hours in advance of starting proposed work.
   Phone: (386)961-7180 , Attention: Neil E. Miles
2. A copy of the approved permit must be displayed in a prominent location in the immediate vicinity of the connection construction.
3. Comply with Rule 14-96.008(1), F.A.C., Disruption of Traffic.
4. Comply with Rule 14-96.008(7), F.A.C., on Utility Notification Requirements.
5. All work performed in the Department's right of way shall be done in accordance with the most current Department standards, specifications and the permit provisions.
6. The permittee shall not commence use of the connection prior to a final inspection and acceptance by the Department.
7. Comply with Rule 14-96.003(3)(a), F.A.C., Cost of Construction.
8. If a Significant Change of the permittee's land use, as defined in Section 335.182, Florida Statutes, occurs, the Permittee must contact the Department.
9. Medians may be added and median openings may be changed by the Department as part of a Construction Project or Safety Project. The provision for a median might change the operation of the connection to be for right turns only.
10. All conditions in NOTICE OF INTENT WILL APPLY unless specifically changed by the Department.
11. All approved connection(s) and turning movements are subject to the Department's continuing authority to modify such connection(s) or turning movements in order to protect safety and traffic operations on the state highway or State Highway System.
12. **Transportation Control Features and Devices in the State Right of Way.** Transportation control features and devices in the Department's right of way, including, but not limited to, traffic signals, medians, median openings, or any other transportation control features or devices in the state right of way, are operational and safety characteristics of the State Highway and are not means of access. The Department may install, remove or modify any present or future transportation control feature or device in the state right of way to make changes to promote safety in the right of way or efficient traffic operations on the highway.
13. The Permittee for him/herself, his/her heirs, his/her assigns and successors in interest, binds and is bound and obligated to save and hold the State of Florida, and the Department, its agents and employees harmless from any and all damages, claims, expense, or injuries arising out of any act, neglect, or omission by the applicant, his/her heirs, assigns and successors in interest that may occur by reason of this facility design, construction, maintenance, or continuing existence of the connection facility,except that the applicant shall not be liable under this provision for damages arising from the sole negligence of the Department.
14. The Permittee shall be responsible for determining and notify all other users of the right of way.
15. Starting work on the State Right of Way means that I am accepting all conditions on the Permit.

PART 5: SPECIAL PROVISIONS

NON-CONFORMING CONNECTIONS: ◉ YES ○ NO

If this is a non-conforming connection permit, as defined in Rule Chapters 14-96 and 14-97, then the following shall be a part of this permit.

1. The non-conforming connection(s) described in this permit is (are) not permitted for traffic volumes exceeding the Permit Category on page 1 of this permit, or as specified in "Other Special Provisions" below.

2. All non-conforming connections will be subject to closure or relocation when reasonable access becomes available in the future.

OTHER SPECIAL PROVISIONS:

Refer to the approved access permit,General and Special provisions,Conditions and attached Legal Cover Letter for additional driveway construction,safety and other required information needed to construct the approved driveway connection.All work/constructionapproved herein under this permit shall be done instrict accordance with the state of Florida, FDOT's most current Roadway & Constrution Specifications, at the time of actual permit activation and construction.Upon legal permit activation, (required by permit provision) the permittee shall have only 30 working days in which to start and complete all phases of the approved driveway permit including the removel of the existing driveway.The Permittee by acceptance fo the approved permit, acknowledges his/her acceptance of any and all permit requirements,provisions and conditions and further agrees to accept any and all legal responsibility for Liability issues that may arise from the issuance and completion of said driveway construction.The Permitte shall make legal advanced arraignments with the FDOT Permits Office for the Mandatory Pre-Construction Meeting.The Permittee further agrees and understands that by acceptance fo this approved access permit he/she meet or exceed those Safety Requirements as set forthby, under the State of Florida and FDOT for conducting any work or construction within the State FDOT Right-Of -Way a

PART 6: APPEAL PROCEDURES

You may petition for an administrative hearing pursuant to sections 120.569 and 120.57, Florida Statutes. If you dispute the facts stated in the foregoing Notice of Intended Department Action (hereinafter Notice), you may petition for a formal administrative hearing pursuant to section 120.57 (1), Florida Statutes. If you agree with the facts stated in the Notice, you may petition for an informal administrative hearing pursuant to section 120. 57(2), Florida Statutes. You must file the petition with:

Clerk of Agency Proceedings
Department of Transportation
Haydon Burns Building
605 Suwannee Street, M.S. 58
Tallahassee, Florida 32399-0458

The petition for an administrative hearing must conform to the requirements of Rule 28-106.201(2) or Rule 28-106.301(2), Florida Administrative Code, and be filed with the Clerk of Agency Proceedings by 5:00 p.m. no later than 21 days after you received the Notice. The petition must include a copy of the Notice, be legible, on 8 1/2 by 11 inch white paper, and contain:

1. Your name, address, telephone number, any Department of Transportation identifying number on the Notice, if known, the name and identification number of each agency affected, if known, and the name, address, and telephone number of your representative, if any, which shall be the address for service purposes during the course of the proceeding.
2. An explanation of how your substantial interests will be affected by the action described in the Notice;
3. A statement of when and how you received the Notice;
4. A statement of all disputed issues of material fact. If there are none, you must so indicate;
5. A concise statement of the ultimate facts alleged, including the specific facts you contend warrant reversal or modification of the agency's proposed action, as well as an explanation of how the alleged facts relate to the specific rules and statutes you contend require reversal or modification of the agency's proposed action;
6. A statement of the relief sought, stating precisely the desired action you wish the agency to take in respect to the agency's proposed action.

If there are disputed issues of material fact a formal hearing will be held, where you may present evidence and argument on all issues involved and conduct cross-examination. If there are no disputed issues of material fact an informal hearing will be held, where you may present evidence or a written statement for consideration by the Department.

Mediation, pursuant to section 120.573, Florida Statutes, may be available if agreed to by all parties, and on such terms as may be agreed upon by all parties. The right to an adminstrative hearing is not affected when mediation does not result in a settlement.

Your petition for an administrative hearing shall be dismissed if it is not in substantial compliance with the above requirements of Rule 28-106.201(2) or Rule 28-106.301(2), Florida Administrative Code. If you fail to timely file your petition in accordance with the above requirements, you will have waived your right to have the intended action reviewed pursuant to chapter 120, Florida Statutes, and the action set forth in the Notice shall be conclusive and final.

FLORIDA DEPARTMENT OF TRANSPORTATION

CHARLIE CRIST
GOVERNOR

STEPHANIE KOPELOUSOS
SECRETARY

PERMITTEE: Col. Co. Board Of Co. Comm. SEC NO:29020
PERMIT CAT : A STATE RD: 47 (S) M.P.4.963 +-
PROJ. DESCIPTION: New Comm. Access

PERMIT NO: 09-D-292-0025

Asst. Maintenance Engineer or Permits Coordinator Approval

NEIL E. MILES, PERMITS COORDINATOR

THE FOLLOWING ARE ADDITIONAL SPECIAL PERMIT PROVISIONS THAT ARE A LEGAL PART OF THIS PERMIT & DO APPLY TO THE ABOVE REFERENCED PERMIT, IF SO MARKED MUST BE COMPLYED WITH IN ADDITIONAL TO THE GENERAL PROVISIONS.

1. XXX All portions of the FDOT right-of-way disturbed during construction under this permit shall be mulched seeded and /or 2 feet of grass sod placed adjacent to the driving lane, or as called for under the approved permit & per FDOT specifications.
2. XXX Permitted shall restore wildflowers disturbed during permitted construction with new seed to be (amount and & method) determined by Mr. Dick Bush, District Landscaping Engineer. Seed shall be delivered to Lake City Maintenance, Permits Office before commencement of permitted placement.
3. XXX The Permitted will contact the appropriate city, county, state government agency; a minimum of forty-eight (48) hours in advance of starting excavation within the area of any signalized intersection.
4. XXX the Permitted can be required to physically relocate (move), as so indicated under this permit at a future date, due to proposed future or on-going FDOT roadway construction planned within the limits of the permitted area.
5. XXX existing utilities may be located within the construction area. Prior to permit approval, permitted shall locate and notify all utilities within the proposed limits of construction and or permitted area and obtain detailed information from the utility owners as to possible conflicts between utilities and permit tee's work. Permitted shall be responsible for pre & post permit coordination, and all adjustments and shall be solely responsible for resolving any conflicts of utilities, either before or during or after the final permitting. The Permitted shall be solely responsible for any and all damages to existing utilities and/or damage to third parties caused by interference with or damage to existing utilities. The Permitted shall show positive proof that all utility owners with existing interest in the area permitted, have been previously contacted in advance of final permit approval.
6. XXX No business is to be done on FDOT right-of-ways, if vehicles are to be serviced on roadside with pumps, Pump islands must be located at least twelve (12) feet from right-of-way line.
7. XXX Driveway permits are granted to permit access to abutting property only. Parking on right-of-way may be restricted or prohibited.
8. XXX the erection of signs on or overhanging the right-of-way of state roads is not permitted. The connection of any type of subsurface drainage to FDOT storm drains or ditches is prohibited unless by permit or as shown in the general or special provisions of the referenced permit.
9. XXX All Construction and/or Maintenance on the Department's right-of-way shall conform to Federal Manual on Uniform Traffic Control Devices (MUTCD), the Department's most current manual of the Roadway and Traffic Design Standards Specifications for Road and Bridge Construction.
10. XXX Pre and Final Inspections are required by FDOT Permits Office and the assigned inspector.
11. XXX a pre-construction review of the construction planned under the permit shall be mandatory. The Permit tee shall make contact with the Lake City, Permits Office at (904) 961-7180 or 961-7193, a minimum of 48 hours in advance of the Permit tee's planned start date so as to arrange a mutually time to meet. Failure by the Permit tee to meet this requirement can be reason for revocation of the approved permit.
12. XXX If proposed permitted work limits are within a State Roadway Construction Area that is proposed or underway then the permit tee shall schedule commencement date and all planned work under this permit with the State FDOT's contract representative in charge of on-site project operational responsibilities.
13. XXX Final approved permit shall adhere to the signed and sealed plans, with no plan substitutions once approved.

10-0296-N

STATE OF FLORIDA
DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES
ONSITE SEWAGE DISPOSAL SYSTEM
APPLICATION FOR CONSTRUCTION PERMIT
Authority: Chapter 381, FS & Chapter 10D-6, FAC

PERMIT # AP 968566
DATE PAID 6/10/10
FEE PAID $ 0.00
RECEIPT # 0
CR # 09-4733

APPLICATION FOR:
[X] New System [ ] Existing System [ ] Holding Tank [ ] Temporary/Experimental System
[ ] Repair [ ] Abandonment [ ] Other(Specify) _____

APPLICANT: COLUMBIA COUNTY TELEPHONE: 719-9985

AGENT: GTC DESIGN GROUP

MAILING ADDRESS: 176 NW LAKE JEFFERY RD. CITY: LAKE CITY STATE: FL ZIP: 32055

==========

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. ATTACH BUILDING PLAN AND TO-SCALE SITE PLAN SHOWING PERTINENT FEATURES REQUIRED BY CHAPTER 10D-6, FLORIDA ADMINISTRATIVE CODE.

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PROPERTY INFORMATION [IF LOT IS NOT IN A RECORDED SUBDIVISION, ATTACH LEGAL DESCRIPTION OR DEED]

LOT: _____ BLOCK: _____ SUBDIVISION: MEETS & BOUNDS DATESUBD: _____

PROPERTY ID #: 28-6S-16-03967-004 [Section/Township/Range/Parcel] ZONING: RES

PROPERTY SIZE: 6.05 ACRES [Sqft/43560] PROPERTY WATER SUPPLY: [ ] PRIVATE [X] PUBLIC

PROPERTY STREET ADDRESS: SR 47

DIRECTIONS TO PROPERTY: SR 47 SOUTH SITE IS JUST NORTH OF KOON HOLLOW GLENN .

BUILDING INFORMATION [ ] RESIDENTIAL [X] COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	# Persons Served	Business Activity For Commercial Only
1	PUBLIC LIBRARY	0	5143	15-20	
2					
3					
4					

[N] Garbage Grinders/Disposals [N] Spas/Hot Tubs [N] Floor/Equipment Drains
[N] Ultra-low Volume Flush Toilets [N] Other (Specify) _____

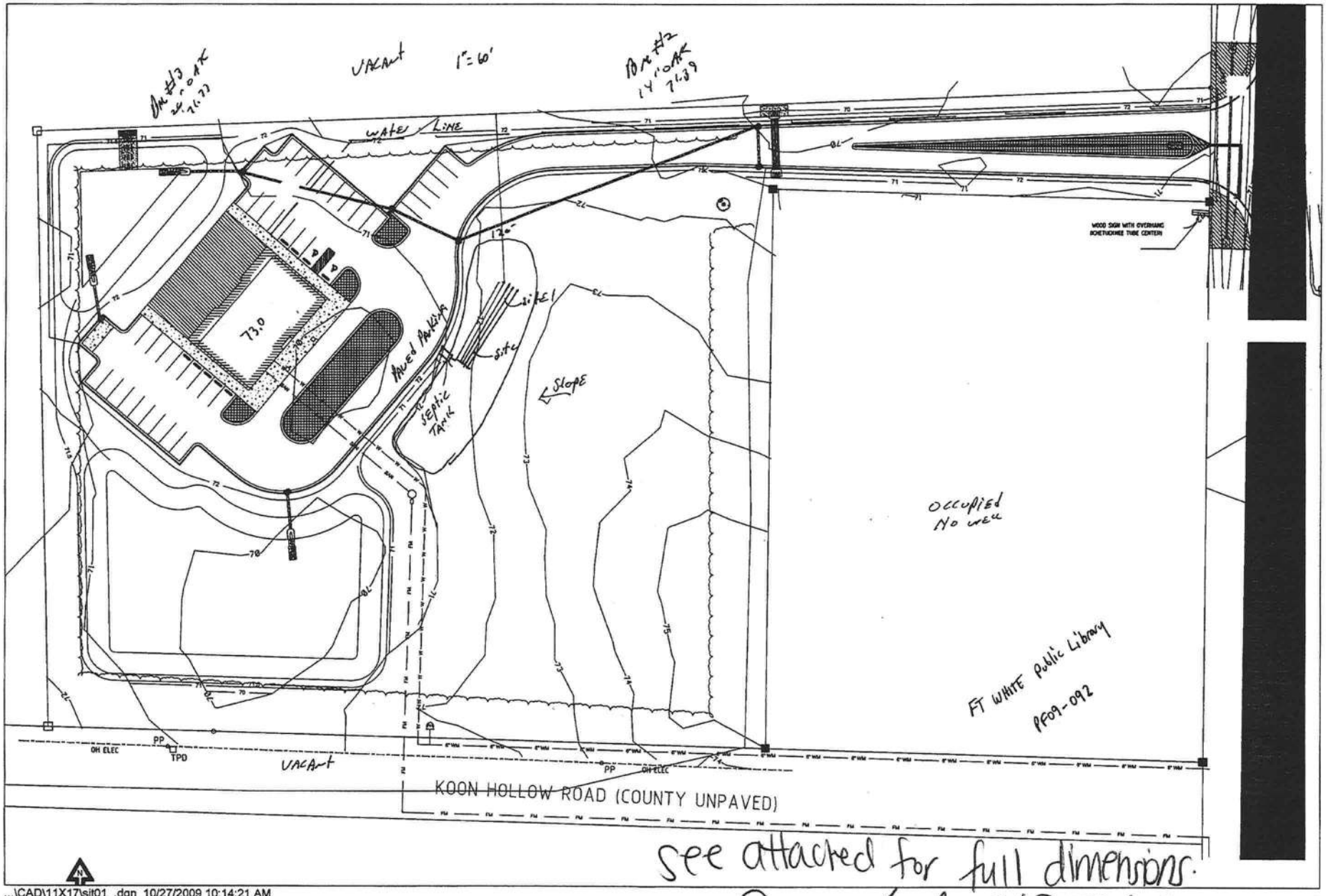
APPLICANT'S SIGNATURE: Ron Scott DATE: 6-10-10

RECEIVED 6/10/10

REVIEWED

10-0296-1

10-0296-0



see attached for full dimensions.

Sallie Ford - EH Director - Columbia CHD Approved

Ren Sato 6-10-10

SUWANNEE RIVER WATER MANAGEMENT DISTRICT
9225 CR 49
LIVE OAK, FLORIDA 32060
TELEPHONE: (386) 362-1001
TELEPHONE: 800-226-1066
FAX (386) 362-1056

GENERAL PERMIT

PERMITTEE:
COLUMBIA COUNTY BOARD OF COMMISSIONERS
PO BOX 1529
LAKE CITY, FL 32056

PERMIT NUMBER: ERP09-0292
DATE ISSUED: 03/29/2010
DATE EXPIRES: 03/29/2013
COUNTY: COLUMBIA
TRS: S28/T6S/R16E

PROJECT: FT. WHITE PUBLIC LIBRARY

Approved entity to whom operation and maintenance may be transferred pursuant to rule 40B-4.1130, Florida Administrative Code (F.A.C.):

LISA ROBERTS
COLUMBIA COUNTY BOARD OF COMMISSIONERS
PO BOX 1529
LAKE CITY, FL 32056

Based on information provided, the Suwannee River Water Management District's (District) rules have been adhered to and an environmental resource general permit is in effect for the permitted activity description below:

Construction and operation of a surfacewater management system serving 1.18 acres of proposed impervious surface consisting of a building, parking, driveway, and one two-part stormwater system, and 0.91 acres of future impervious on a total project area of 6.05 acres in a manner consistent with the application package submitted by Lisa Roberts, Assistant County Manager and plans certified by Chad Williams, P.E. of GTC Design Group, LLC on March 16, 2010.

It is your responsibility to ensure that adverse off-site impacts do not occur either during or after construction. Any additional construction or alterations not authorized by this permit may result in flood control or water quality problems both on and off site and will be a violation of District rule.

You or any other substantially affected persons are entitled to request an administrative hearing or mediation. Please refer to enclosed notice of rights.

This permit is issued under the provisions of chapter 373, F.S., chapter 40B-4, and chapter 40B-400, F.A.C. A general permit authorizes the construction, operation, maintenance, alteration, abandonment, or removal of certain minor surface water management systems. This permit authorizes the permittee to perform the work necessary to construct, operate, and maintain the surface water management system shown on the application and other documents included in the application. This is to notify you of District's agency action concerning Notice Of Intent. This action is taken pursuant to rule 40B-4 and 40B-400, F.A.C.

Standard Conditions for All General Permits:

1. The permittee shall perform all construction authorized in a manner so as to minimize adverse impacts to fish, wildlife, natural environmental values, and water quality. The permittee shall institute necessary measures during construction including riprap, reinforcement, or compaction of any fill materials placed around newly installed structures, to minimize erosion, turbidity, nutrient loading, and sedimentation in the receiving waters.

2. Water quality data representative of the water discharged from the permitted system, including, but not limited to, the parameters in chapter 62-302, F.A.C., shall be submitted to the District as required. If water quality data are required, the permittee shall provide data as required on the volume and rate of discharge including the total volume discharged during the sampling period. All water quality data shall be in accordance with and reference the specific method of analysis in "Standard Methods for the Examination of Water and Wastewater" by the American Public Health Association or "Methods for Chemical Analysis of Water and Wastes" by the U.S. Environmental Protection Agency.

3. The operational and maintenance phase of an environmental resource permit will not become effective until the owner or his authorized agent certifies that all facilities have been constructed in accordance with the design permitted by the District. If required by the District, such as-built certification shall be made by an engineer or surveyor. Within 30 days after the completion of construction of the system, the permittee shall notify the District that the facilities are complete. If appropriate, the permittee shall request transfer of the permit to the responsible entity approved by the District for operation and maintenance. The District may inspect the system and, as necessary, require remedial measures as a condition of transfer of the permit or release for operation and maintenance of the system.

4. Off-site discharges during and after construction shall be made only through the facilities authorized by the permit. Water discharged from the project shall be through structures suitable for regulating upstream stage if so required by the District. Such discharges may be subject to operating schedules established by the District.

5. The permit does not convey to the permittee any property right nor any rights or privileges other than those specified in the permit and chapter 40B-1, F.A.C.

6. The permittee shall hold and save the District harmless from any and all damages, claims, or liabilities which may arise by reason of the construction, operation, maintenance, alteration, abandonment, or development in a Works of the District which is authorized by the permit.

7. The permit is issued based on the information submitted by the applicant which reasonably demonstrates that adverse off-site water resource impacts will not be caused by the permitted activity. It is the responsibility of the permittee to insure that such adverse impacts do not in fact occur either during or after construction.

8. It is the responsibility of the permittee to obtain all other clearances, permits, or authorizations required by any unit of local, state, or federal government.

9. The surfacewater management system shall be constructed prior to or concurrent with the development that the system is intended to serve and the system shall be completed within 30 days of substantial completion of the development which the system is intended to serve.

10. Except for General Permits After Notice or permits issued to a unit of government, or unless a different schedule is specified in the permit, the system shall be inspected at least once every third year after transfer of a permit to operation and maintenance by the permittee or his agent to ascertain that the system is being operated and maintained in a manner consistent with the permit. A report of inspection is to be sent to the District within 30 days of the inspection date. If required by chapter 471, F.S., such inspection and report shall be made by an engineer.

11. The permittee shall allow reasonable access to District personnel or agents for the purpose of inspecting the system to insure compliance with the permit. The permittee shall allow the District, at its expense, to install equipment or devices to monitor performance of the system authorized by their permit.

12. The surfacewater management system shall be operated and maintained in a manner which is consistent with the conditions of the permit and chapter 40B-4.2040, F.A.C.

13. The permittee is responsible for the perpetual operation and maintenance of the system unless the operation and maintenance is transferred pursuant to chapter 40B-4.1130, F.A.C., or the permit is modified to authorize a new operation and maintenance entity pursuant to chapter 40B-4.1110, F.A.C.

14. All activities shall be implemented as set forth in the plans, specifications and performance

criteria as approved by this permit. Any deviation from the permitted activity and the conditions for undertaking that activity shall constitute a violation of this permit.

15. This permit or a copy thereof, complete with all conditions, attachments, exhibits, and modifications, shall be kept at the work site of the permitted activity. The complete permit shall be available for review at the work site upon request by District staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit.

16. Activities approved by this permit shall be conducted in a manner which do not cause violations of state water quality standards.

17. Prior to and during construction, the permittee shall implement and maintain all erosion and sediment control measures (best management practices) required to retain sediment on-site and to prevent violations of state water quality standards. All practices must be in accordance with the guidelines and specifications in the Florida Stormwater, Erosion, and Sedimentation Control Inspector's Manual unless a project specific erosion and sediment control plan is approved as part of the permit, in which case the practices must be in accordance with the plan. If site-specific conditions require additional measures during any phase of construction or operation to prevent erosion or control sediment, beyond those specified in the erosion and sediment control plan, the permittee shall implement additional best management practices as necessary, in accordance with the Florida Stormwater, Erosion, and Sedimentation Control Inspector's Manual. The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources.

18. Stabilization measures shall be initiated for erosion and sediment control on disturbed areas as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than seven days after the construction activity in that portion of the site has temporarily or permanently ceased.

19. At least 48 hours prior to commencement of activity authorized by this permit, the permittee shall submit to the District a Construction Commencement Notice Form No. 40B-1.901(14) indicating the actual start date and the expected completion date.

20. When the duration of construction will exceed one year, the permittee shall submit construction status reports to the District on an annual basis utilizing an Annual Status Report Form No. 40B-1.901(15). These forms shall be submitted during June of each following year.

21. For those systems which will be operated or maintained by an entity requiring an easement or deed restriction in order to provide that entity with the authority necessary to operate or maintain the system, such easement or deed restriction, together with any other final operation or maintenance

documents as are required by Paragraph 40B-4.2030(2)(g), F.A.C., and Rule 40B-4.2035, F.A.C., must be submitted to the District for approval. Documents meeting the requirements set forth in these subsections of District rules will be approved. Deed restrictions, easements and other operation and maintenance documents which require recordation either with the Secretary of State or Clerk of the Circuit Court must be so recorded prior to lot or unit sales within the project served by the system, or upon completion of construction of the system, whichever occurs first. For those systems which are proposed to be maintained by county or municipal entities, final operation and maintenance documents must be received by the District when maintenance and operation of the system is accepted by the local governmental entity. Failure to submit the appropriate final documents referenced in this paragraph will result in the permittee remaining liable for carrying out maintenance and operation of the permitted system.

22. Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the initiation of the permitted use of site infrastructure located within the area served by that portion or phase of the system. Each phase or independent portion of the system must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of that phase or portion of the system to a local government or other responsible entity.

23. Within 30 days after completion of construction of the permitted system, or independent portion of the system, the permittee shall submit a written statement of completion and certification by a registered professional engineer or other appropriate individual as authorized by law, using the supplied As-Built Certification Form No. 40B-1.901(16) incorporated by reference in Subsection 40B-1.901(16), F.A.C. When the completed system differs substantially from the permitted plans, any substantial deviations shall be noted and explained and two copies of as-built drawings submitted to the District. Submittal of the completed form shall serve to notify the District that the system is ready for inspection. The statement of completion and certification shall be based on on-site observation of construction (conducted by the registered professional engineer, or other appropriate individual as authorized by law, or under his or her direct supervision) or review of as-built drawings for the purpose of determining if the work was completed in compliance with approved plans and specifications. As-built drawings shall be the permitted drawings revised to reflect any changes made during construction. Both the original and any revised specifications must be clearly shown. The plans must be clearly labeled as "as-built" or "record" drawing. All surveyed dimensions and elevations shall be certified by a registered surveyor. The following information, at a minimum, shall be verified on the as-built drawings:

a. Dimensions and elevations of all discharge structures including all weirs, slots, gates, pumps, pipes, and oil and grease skimmers;

b. Locations, dimensions, and elevations of all filter, exfiltration, or underdrain systems including

cleanouts, pipes, connections to control structures, and points of discharge to the receiving waters;

c. Dimensions, elevations, contours, or cross-sections of all treatment storage areas sufficient to determine stage-storage relationships of the storage area and the permanent pool depth and volume below the control elevation for normally wet systems, when appropriate;

d. Dimensions, elevations, contours, final grades, or cross-sections of the system to determine flow directions and conveyance of runoff to the treatment system;

e. Dimensions, elevations, contours, final grades, or cross-sections of all conveyance systems utilized to convey off-site runoff around the system;

f. Existing water elevation(s) and the date determined; and

g. Elevation and location of benchmark(s) for the survey.

24. The operation phase of this permit shall not become effective until the permittee has complied with the requirements of the condition in paragraph 23 above, the District determines the system to be in compliance with the permitted plans, and the entity approved by the District in accordance with Rule 40B-4.2035, F.A.C., accepts responsibility for operation and maintenance of the system. The permit may not be transferred to such approved operation and maintenance entity until the operation phase of the permit becomes effective. Following inspection and approval of the permitted system by the District, the permittee shall request transfer of the permit to the approved responsible operation and maintenance operating entity if different from the permittee. Until the permit is transferred pursuant to Rule 40B-4.1130, F.A.C., the permittee shall be liable for compliance with the terms of the permit.

25. Should any other regulatory agency require changes to the permitted system, the permittee shall provide written notification to the District of the changes prior to implementation so that a determination can be made whether a permit modification is required.

26. This permit does not eliminate the necessity to obtain any required federal, state, local and special District authorizations prior to the start of any activity approved by this permit. This permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the permit and in this chapter and Chapter 40B-4, F.A.C.

27. The permittee is hereby advised that Section 253.77, F.S., states that a person may not commence any excavation, construction, or other activity involving the use of sovereign or other

lands of the state, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund without obtaining the required lease, license, easement, or other form of consent authorizing the proposed use. Therefore, the permittee is responsible for obtaining any necessary authorizations from the Board of Trustees prior to commencing activity on sovereignty lands or other state-owned lands.

28. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered specifically approved unless a specific condition of this permit or a formal determination under 40B-400.046, F.A.C., provides otherwise.

29. The permittee shall notify the District in writing within 30 days of any sale, conveyance, or other transfer of ownership or control of the permitted system or the real property at which the permitted system is located. All transfers of ownership or transfers of a permit are subject to the requirements of Rule 40B-4.1130, F.A.C. The permittee transferring the permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to such sale, conveyance or other transfer.

30. If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the District.

31. The permittee shall immediately notify the District in writing of any previously submitted information that is later discovered to be inaccurate.

Special limiting conditions made part of this permit are as follows:

32. The permittee shall be required to provide remedial work for adverse off-site impacts. Specifically, action shall be required if there are impacts to Koon Hollow Road. Since the elevation of Koon Hollow Road adjacent to the stormwater facility is not specified in the plans provided, it is assumed that runoff staging around the pond may be sufficient enough to cause adverse impact. Remedial work is not covered by this permit and would require a permit modification.

WITHIN 30 DAYS AFTER COMPLETION OF THE PROJECT, THE PERMITTEE SHALL NOTIFY THE DISTRICT, IN WRITING, THAT THE FACILITIES ARE COMPLETE.

Approved by Patrick Webster Date Approved 3/29/10
District Staff

Clerk

Executive Director

SUWANNEE RIVER WATER MANAGEMENT DISTRICT

NOTICE OF RIGHTS

1. A person whose substantial interests are or may be determined has the right to request an administrative hearing by filing a written petition with the Suwannee River Water Management District (District), or may choose to pursue mediation as an alternative remedy under Section 120.569 and 120.573, Florida Statutes, before the deadline for filing a petition. Choosing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement. The procedures for pursuing mediation are set forth in Sections 120.569 and 120.57 Florida Statutes. Pursuant to Rule 28-106.111, Florida Administrative Code, the petition must be filed at the office of the District Clerk at District Headquarters, 9225 C.R. 49, Live Oak, Florida 32060 within twenty-one (21) days of receipt of written notice of the decision or within twenty-one (21) days of newspaper publication of the notice of District decision (for those persons to whom the District does not mail actual notice). A petition must comply with Chapter 28-106, Florida Administrative Code.

2. If the Governing Board takes action which substantially differs from the notice of District decision to grant or deny the permit application, a person whose substantial interests are or may be determined has the right to request an administrative hearing or may chose to pursue mediation as an alternative remedy as described above. Pursuant to Rule 28-106.111, Florida Administrative Code, the petition must be filed at the office of the District Clerk at District Headquarters, 9225 C.R. 49, Live Oak, Florida 32060 within twenty-one (21) days of receipt of written notice of the decision or within twenty-one (21) days of newspaper publication of the notice of District decision (for those persons to whom the District does not mail actual notice). Such a petition must comply with Chapter 28-106, Florida Administrative Code.

3. A substantially interested person has the right to a formal administrative hearing pursuant to Section 120.569 and 120.57(1), Florida Statutes, where there is a dispute between the District and the party regarding an issue of material fact. A petition for formal hearing must comply with the requirements set forth in Rule 28-106.201, Florida Administrative Code.

4. A substantially interested person has the right to an informal hearing pursuant to Section 120.569 and 120.57(2), Florida Statutes, where no material facts are in dispute. A petition for an informal hearing must comply with the requirements set forth in Rule 28-106.301, Florida Administrative Code.

5. A petition for an administrative hearing is deemed filed upon receipt of the petition by the Office of the District Clerk at the District Headquarters in Live Oak, Florida.

6. Failure to file a petition for an administrative hearing within the requisite time frame shall constitute a waiver of the right to an administrative hearing pursuant to Rule 28-106.111, Florida Administrative Code.

7. The right to an administrative hearing and the relevant procedures to be followed is governed by Chapter 120, Florida Statutes, and Chapter 28-106, Florida Administrative Code.

8. Pursuant to Section 120.68, Florida Statutes, a person who is adversely affected by final District action may seek review of the action in the District Court of Appeal by filing a notice of appeal pursuant to the Florida Rules of Appellate Procedure, within 30 days of the rendering of the final District action.

9. A party to the proceeding before the District who claims that a District order is inconsistent with the provisions and purposes of Chapter 373, Florida Statutes, may seek review of the order pursuant to Section 373.114, Florida Statutes, by the Florida Land and Water Adjudicatory Commission, by filing a request for review with the Commission and serving a copy of the Department of Environmental Protection and any person named in the order within 20 days of adoption of a rule or the rendering of the District order.

10. For appeals to the District Courts of Appeal, a District action is considered rendered after it is signed on behalf of the District, and is filed by the District Clerk.

11. Failure to observe the relevant time frames for filing a petition for judicial review, or for Commission review, will result in waiver of the right to review.

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing Notice of Rights has been sent by U.S. Mail to:

COLUMBIA COUNTY BOARD OF COMMISSIONERS
PO BOX 1529
LAKE CITY, FL 32056

At 4:00 p.m. this 31 day of March, 2010.

Jon M. Dinges
Deputy Clerk
Suwannee River Water Management District
9225 C.R. 49

Live Oak, Florida 32060
386.362.1001 or 800.226.1066 (Florida only)

cc: File Number: ERP09-0292

Appendix A

Soil Boring Report

REPORT OF GEOTECHNICAL EXPLORATION

Ft. White Public Library
SR 47 & Koonhollow Gln
Ft. White, Columbia County, Florida
CTI Project No. 09-00436-01

- Prepared For -
Columbia County Board of County Commissioners
P.O. Drawer 1529
Lake City, Florida 32056

- Prepared by -
Cal-Tech Testing, Inc.
P.O. Box 1625
Lake City, Florida 32056-1625

November 6, 2009

Cal-Tech Testing, Inc.
• Engineering
• Geotechnical
• Environmental
LABORATORIES

P.O. Box 1625 • Lake City, FL 32056
4784 Rosselle Street • Jacksonville, FL 32254

Tel (386) 755-3633 • Fax (386) 752-5456
Tel (904) 387-8901 • Fax (904) 381-8902

November 6, 2009

Columbia County Board of County Commissioners
P.O. Drawer 1529
Lake City, Florida 32026

Attention: Mr. Ben Scott, Purchasing Director

Reference: Report of Geotechnical Exploration
Ft. White Public Library - SR 47 & Koonhollow Gln
Ft. White, Columbia County, Florida
Cal-Tech Project No. 09-00436-01

Dear Mr. Scott:

Cal-Tech Testing, Inc. (CTI) has completed the geotechnical exploration and engineering evaluation for the proposed Ft. White Public Library. Our work was planned and performed in general accordance with our proposal dated October 22, 2009. Authorization for this work was provided by you on October 27, 2009. This report briefly outlines our understanding of the planned construction, describes the field exploration, presents the collected data, and provides our geotechnical engineering evaluation of the subsurface conditions with respect to the planned construction. Also included in this report are our recommendations for the design and construction of the proposed library.

INTRODUCTION

The purpose of this exploration was to develop information to evaluate the site and subsurface conditions and to present site preparation recommendations and foundation support for the proposed library building. This report describes our field activities and presents our findings and recommendations. The services rendered by CTI during the course of this exploration can be summarized as follows:

1. Performed a brief site reconnaissance;
2. Planned and performed a total of 4 Standard Penetration Test (SPT) borings each extending 20 feet below the existing ground surface;
3. Reviewed available data such as results of similar exploration and published data including the U.S.G.S. Quadrangle map, and the Geologic Map of Florida for this area.
4. Reviewed and analyzed gathered data in order to evaluate the subsurface conditions with respect to the proposed construction.

5. Prepared this report, which includes the results of our field exploration as well as our recommendations with respect to foundation design, foundation related site work, general site development, and quality control.

SITE & PROJECT INFORMATION

The subject site is located on the north side of Koonhollow Gln approximately 650 feet west of State Road No. 47 in Ft. White, Columbia County, Florida. At the time of our site visit, the ground surface appears to have been recently cleared of trees and vegetations. The ground surface appears relatively level with no ponded water.

We have been furnished with an undated Site Plan prepared by GTC Design Group, LLC of Lake City, Florida. Based on available data, we understand the proposed development will consist of constructing a ±5,100 (88' by 58') one-story building for use as a public library with associated landscaped, parking and driveway areas. We have been instructed by Mr. Chad Williams, P.E. of GTC to limit our exploration to the proposed building area (i.e. pavement and driveway areas to be excluded). Structural loading information for the building is not available at this time; however, we anticipate that column loads will be no greater than 25 kips and wall loads no greater than 4 kips per lineal foot. We assume the building will be structural steel or CMU framed construction with concrete slab-on-grade. Existing grade elevations within the subject property range from about 70 to 75 feet at the northwestern and southeastern property corners, respectively. Existing ground surface elevation within the proposed building area is at ±71 feet. We understand the finished floor elevation will be near the existing elevations with cut/fill not to exceed 3 feet.

FIELD PROGRAM

The field program consisted of performing a total of four (4) SPT borings each extending 20 feet below the existing ground surface. The SPT borings were performed at the approximate building corners as shown on the attached Field Exploration Plan. These locations were determined in the field and measured by tape and approximating right angles from existing features (property corners). Therefore, the borings location should be considered only as accurate as the means and methods by which they were obtained.

Sampling and penetration procedures of the SPT borings were accomplished in general accordance with ASTM D-1586, "*Penetration Test and Split-Barrel Sampling of Soils*", using a power rotary drill rig. The standard penetration tests were performed by driving a standard 1-3/8" I.D. and 2" O.D. split spoon sampler with a 140 pound hammer falling 30 inches. The number of hammer blows required to drive the sampler a total of 18 inches, in 6 inch increments, were recorded. The penetration resistance or "*N*" value is the summation of the last two 6 inch increments and is illustrated on the attached boring logs adjacent to their corresponding sample depths. The penetration resistance is used as an index to derive soil parameters from various empirical correlations. The borings were performed using a BK-51 drill rig equipped with a manual hammer.

The attached record of boring logs presents the descriptions of the subsurface conditions encountered at the time of our field program, and also provide the penetration resistances recorded during the drilling and sampling process. The stratification lines and depth designations on the boring record represent the approximate boundaries between the various soils encountered. In some cases, the transition between the various soils may be gradual.

SITE & SUBSURFACE CONDITIONS

General Area Geology/Sinkhole Potential

Published information regarding the geology in this area of Columbia County indicates the site is situated within the Undifferentiated Quaternary Sediments (Qu) of the Pleistocene and Holocene epochs. Typically, these sediments consist of siliciclastics, organics and freshwater carbonates. The siliciclastics are light gray, tan, brown to dark, unconsolidated to poorly consolidated, clean to clayey, silty, fossiliferous, variably organic-bearing sands to blue green to olive green, poorly to moderately consolidated, sandy, silty, clays. Freshwater carbonates "*marls*" are buff colored to tan, unconsolidated to poorly consolidated, fossiliferous (mollusks) carbonate muds containing organics.

The limestone in this area consists of carbonate rock and its weathered residuum. Surface soil mantle is typically characterized by sands, sandy clays, or clays. In this area of Columbia County, Florida, the limestone is marked by solution features (sinkholes) associated with *karst* terrains. Areas underlain by karst terrains are prone to sinkhole activities, these sinkholes are primarily caused by an advanced state of internal soil erosion or raveling action, which under certain circumstances can lead to ground subsidences. This internal soil erosion is a very slow process by which soil particle usually migrate under the influence of a hydraulic gradient to underlying karsted and/or fractured limestone formation. There are several indicators generally associated with an advanced state of long term internal soil erosion such as noticeable surface depressions and/or very loose to soft soil zones just above the rock formation.

The USGS Map Series No. 110, Sinkhole Type, Development, and Distribution in Florida dated 1985 identifies the site within Area I. In this document, Area I consists of ground with bare or thinly covered limestone. Gradually developed solution sinkholes are few, broad and shallow. A brief review of the Sinkhole Database issued by the Florida Geological Survey indicates a number of "*reported*" sinkhole occurrences within 1 mile radius of the subject site.

General Statements About Carbonate Terrains

Our site observation at the time of drilling and results of the test borings did not reveal presence of active sinkholes within the explored areas. However, it must be understood that this exploration was not intended to predict or preclude future sinkholes from occurring or developing at this site or within the vicinity of the subject site. We note that major topographic changes in surface or groundwater patterns in carbonate terrains can sometimes induce sinkholes. Therefore, it is recommended the site grades should follow the existing topography as much as

possible. In addition, no water wells should be installed within the site influence area, as pumping from these wells will cause groundwater fluctuations and may induce sinkholes.

Subsurface Soil Conditions

In general, the soil profile as disclosed by SPT borings B-1 through B-4 initially consisted of about 6 to 9 inches of brown silty fine sand with organics (TOPSOIL) underlain by about 2½ to 3½ feet of gray to tan fine sand with silt (SP-SM), about 1 to 7 feet of yellowish tan fine sand (SP), about 7 to 10½ feet of reddish brown with light gray mottles clayey sand (SC), about 4½ feet of light gray silty clayey sand (SC-SM), and about 1 to 4 feet of light gray and reddish brown sandy clay (CL). Typically, the sandy soils vary from very loose to medium dense in relative density with standard penetration resistance or "*N*" values ranging from 3 to 27 Blow Per Foot (BPF). The clay soils have "*N*" values ranging from 19 to 30 BPF indicating these soils to have a very stiff consistency. Refer to the attached record of boring logs for a more detailed description of the subsurface conditions encountered.

Groundwater

At the time of completion of drilling, the groundwater was not encountered in any of the test borings. It must be noted that due to the relatively short time frame of the field exploration, the groundwater may not have had sufficient time to stabilize. For a true groundwater level reading, piezometers may be required. In any event, fluctuation in groundwater levels should be expected due to seasonal climatic changes, construction activity, rainfall variations, surface water runoff, and other site-specific factors.

RECOMMENDATIONS FOR FOUNDATION DESIGN & SITE PREPARATION

Foundation Support

The test borings indicated the presence of very loose soils within the upper 4 feet of the existing ground surface (may be due to recent site clearing of trees and vegetations). The majority of these soils are considered suitable for reuse as structural fill, however, they are not considered acceptable for the support of the proposed building in their current conditions. To improve the density of the supporting soils, the upper 3 feet of the site soils within the building and pavement areas (including 5 feet outside the perimeter of the building) should be overexcavated and recompacted as indicated herein.

Provided the foundation and site soils are prepared in accordance with the guidelines presented in this report, it is our opinion the proposed structure may be supported on a conventional shallow foundation system. The shallow foundation may be designed for an allowable bearing pressure of 2,500 pounds per square foot (psf) or less on recompacted soils or newly placed structural fill.

In using net pressures, the weight of the footing and backfill over the footing need not be considered. Only loads applied at or above final grade need to be used for dimensioning footings. However, wall bearing footings should be designed with a minimum width of 18 inches, while the individual column footings should have minimum dimensions of 2 feet by 2 feet.

Settlement Analyses

Actual magnitude of settlement that will occur beneath foundations will depend upon variations within the subsurface soil profile, actual structural loading conditions, embedment depth of the footings, actual thickness of compacted fill or cut, and the quality of the earthwork operations. Assuming the foundation related site work and foundation design is completed in accordance with the enclosed recommendations, we estimate the total settlement of the structure will be on the order of 1 inch or less. Differential settlements (between adjacent columns or along the length of a continuous wall footing) should be approximately one-half of the total settlement. This settlement is primarily the result of elastic compression of the upper looser sands, and should occur almost immediately following the application of the structural dead load during construction.

Uplift Resistance

Under wind loading conditions, the foundations will likely be subjected to uplift forces. To resist these forces, it may be necessary to increase the footing size (thus increasing the dead weight) or lower the footing to mobilize additional soil weight above the footing. Uplift resistance from the soil may be evaluated as the weight of the soil directly above the footing, plus the shearing resistance along the vertical face of the soil prism. Alternately, the available soil uplift resistance may be calculated as the weight of the soil prism defined by the diagonal line drawn from the top of the footing to the ground surface at an angle of 30 degrees with the vertical. We recommend that a total unit weight of 100 pcf (compacted to 95% of the modified Proctor maximum dry density) be used for well-compacted, suitable fill. Should the bottom of any structure be below the stabilized seasonal-high groundwater level, these structures must be properly designed to resist the resulting uplift forces due to hydrostatic pressures.

Lateral Resistance

Lateral loads created by wind may be resisted by the passive pressure of the soil acting against the side of the individual footings and/or the friction developed between the base of the foundation system and the underlying soils. For compacted backfill and/or in-situ material, the passive pressure may be taken as an equivalent to the pressure exerted by a fluid weighing 300 pcf for above the groundwater table and 113 pcf below water level. A coefficient of friction equal to 0.4 may be used for calculating the frictional resistance at the base of the shallow footings. The resistance values discussed herein are based on the assumption that the foundations can withstand horizontal movements on the order of ¼ inch. Lateral resistance determined in accordance with the recommendations provided herein should be considered the total available resistance. Consequently, the design should include a minimum factor of safety of 1.5.

Lateral Earth Pressures

Generally, retaining walls (if any planned for the subject site) will be subjected to "at-rest" or "active" pressures. Retaining walls that are restrained at the top will be subject to "at-rest" pressures due to their restricted movement. The "at-rest" pressures may be calculated as the equivalent pressure exerted by a fluid density of 50 pcf. Where walls are not restrained at the top and thus allowed sufficient movement to mobilize "active" pressures, an equivalent fluid density of 33 pcf should be used in the design. These values may be used only for walls above the groundwater table. The presence of any groundwater due to surface water intrusion should be handled with the use of a drainage layer behind the walls with a collection pipe discharging accumulated water away from the walls. If this is not practical, then the hydrostatic pressure due to water should be included in the design of the walls.

Drainage Considerations

Adequate drainage should be provided at the site to minimize increase in moisture content of the foundation soils. Excessive moisture can significantly reduce the soils bearing capacity and contribute to foundation settlement. For the protection of the foundation soils, we recommend the ground water surface be sloped away from all proposed structures.

Floor Slab

All unsuitable material (such as topsoil, organics, etc.) located within the building area (including 5 feet outside the perimeter of the building) should be overexcavated and removed. As previously indicated, the upper 3 feet of the existing site soils will require overexcavation and recompaction as indicated herein. After proper preparation of the near surface soils, the exposed subgrade should then be recompacted and proofrolled with a fully-loaded, tandem-axle dump-truck or similar pneumatic-tired equipment. Provided the recompaction and proofrolling operations do not indicate significant deflecting or pumping of the existing subgrade, the floor slab may be designed as a slab-on-grade. Any soft or loose soils found during the proofrolling operation should be undercut and/or replaced with suitable, well-compacted, engineered fill.

Floor slabs should be supported on at least 4 inches of relatively clean granular material, such as sand, sand and gravel, or crushed stone. This is to help distribute concentrated loads and equalize moisture beneath the slab. This granular material should have 100 percent passing the 1½ -inch sieve and a maximum of 10 percent passing the No. 200 sieve.

Based upon the soil conditions encountered at the subject site, the anticipated fill placement, and the recommended site preparation operations presented in this report, a modulus of vertical subgrade reaction (k) for the slab bearing soils of 150 pounds per square inch per inch of vertical deflection (pci) may be used.

Exposed Subgrade

Following excavations, all exposed soils in the building and pavement areas should be compacted with overlapping passes of a relatively heavy weight vibratory drum roller having a total operating static weight (weight of fuel and water included) of at least 10 tons and a drum diameter of 5 feet. All exposed surfaces should be compacted to a minimum of 95 percent of the modified Proctor maximum dry density (ASTM D-1557) to a depth of at least 12 inches below the compacted surface.

Structural Fill/Backfill

Structural fill should be placed in thin loose lifts not exceeding 12 inches in thickness and compacted with a heavy roller as described above. For walk-behind equipment, a maximum loose lift thickness of 6 inches is recommended. Each lift should be thoroughly compacted with the vibratory roller to provide densities equivalent to at least 95 percent of the modified Proctor maximum dry density (ASTM D-1557). Structural fill should consist of an inorganic, non-plastic, granular soil containing less than 10 percent material passing the No. 200 mesh sieve (relatively clean sand with a Unified Soil Classification of SP or SP-SM).

Due to the varying density of the upper soils, it is recommended the exposed subgrade be proofrolled and proof-compacted to a depth of 4 feet below the existing grade prior to concrete placement (including bottom of footings and slab areas). This may require the overexcavation and recompaction of the upper 3 feet of the existing soils. All soils should be proof-compacted to a minimum of 95% of the modified Proctor maximum dry density (ASTM D- 1557).

Report Limitations

This report has been prepared for the exclusive use of **Columbia County Board of County Commissioners, Florida** for the specific application to the project discussed herein. Our conclusions and recommendations have been rendered using generally accepted standards of geotechnical engineering practice in the State of Florida, no other warranty is expressed or implied. CTI is not responsible for the interpretations, conclusions, opinions, or recommendations of others based on the data contained herein. We note that assessment of environmental conditions at the site was beyond the scope of this exploration. Field observations, monitoring, and quality assurance testing during earthwork and foundation installation are an extension of the geotechnical design. We recommend that the owner retain these services and that CTI be allowed to continue our involvement in the project through these phases of construction. During construction, we accept no responsibility for job site safety.

Closing

We appreciate the opportunity to work with you on this project, and look forward to serving as your geotechnical and construction materials testing consultant for the remainder of this and future projects. Should you have any questions and/or comments concerning this report, please contact our office at 386-755-3633.

Respectfully submitted,
Cal-Tech Testing, Inc.

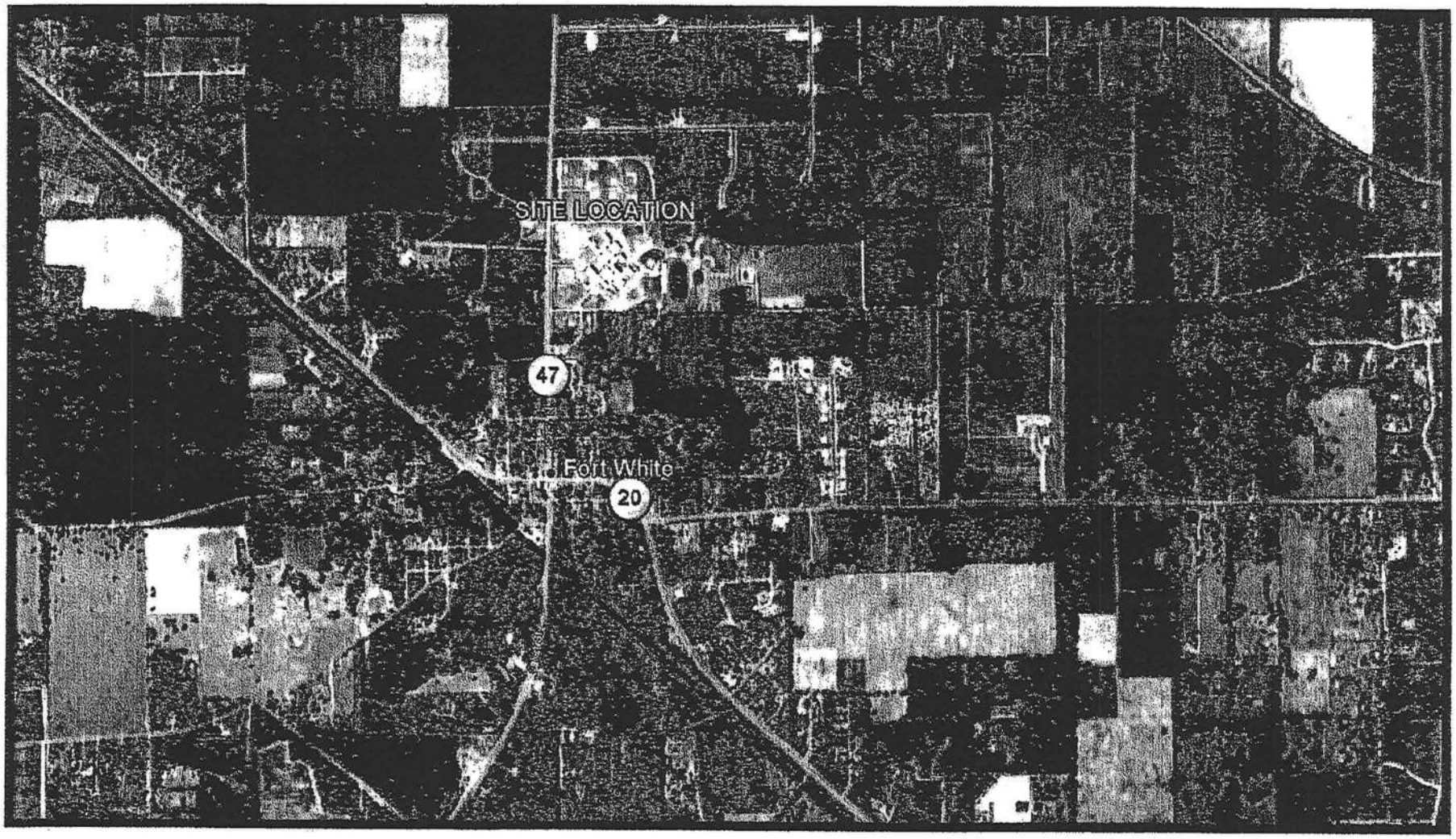
Abby Stalnes for
David B. Brown
Executive Vice President

11/6/09
Nabil O. Hmeidi, P.E.
Senior Geotechnical Engineer
Licensed, Florida No. 57842

Distribution: *File (1 copy)*
Addressee (3 bound copies)

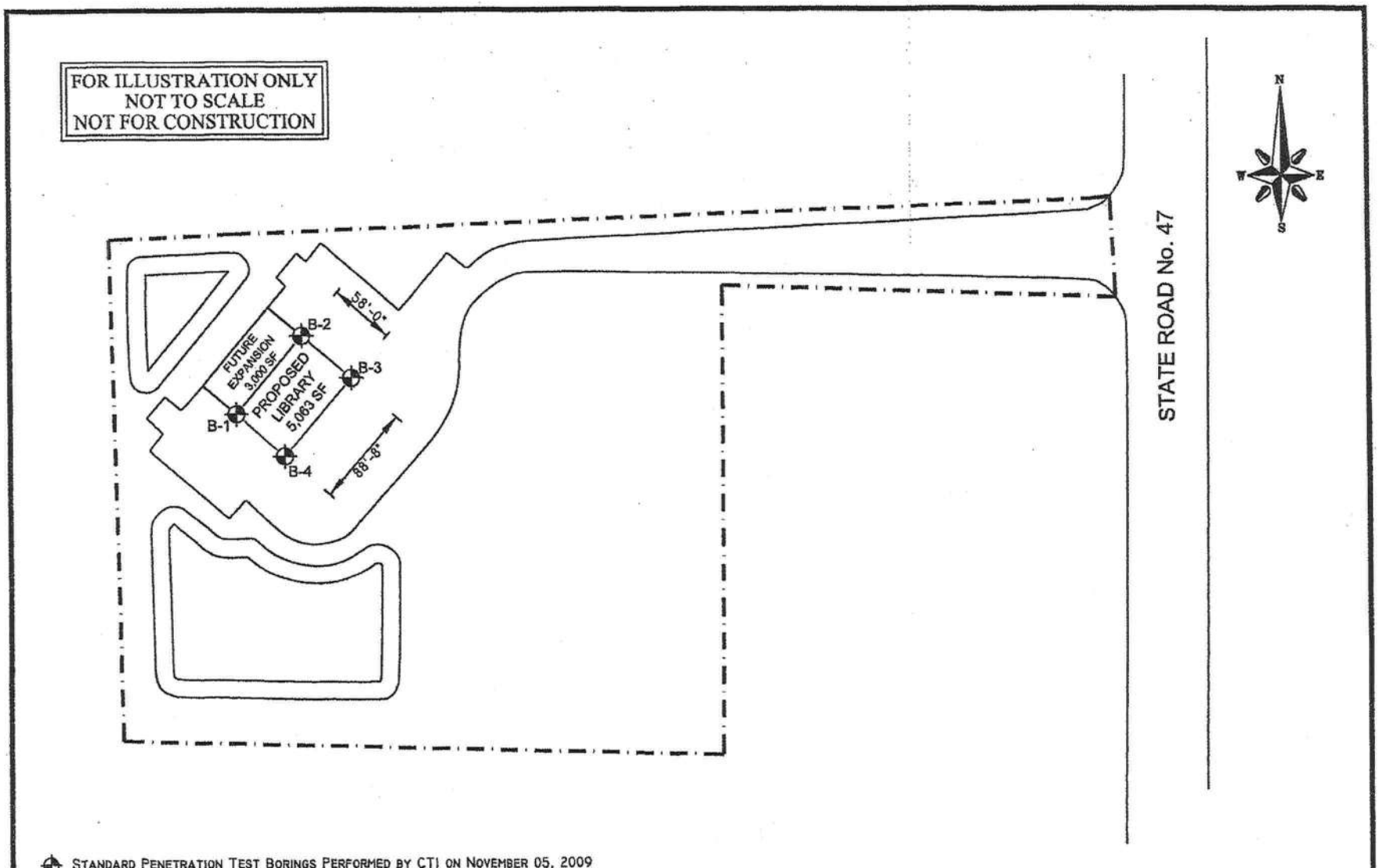
Attachments: *Vicinity Map (1 page)*
Field Exploration Plan (1 pages)
Record of Boring Logs (4 pages)
Unified Soil Classification System (1 page)
Key To Test Data (1 page)

ATTACHMENTS



CAL-TECH TESTING, INC. P.O. Box 1625 Lake City, Florida 32056-1625 Phone: (386) 755-3633 Fax: (386) 752-5456	VICINITY MAP Ft. White Public Library SR 47 & Koonhollow Gln Ft. White, Columbia County, Florida Cal-Tech Testing Project No. 09-00436-01

Figure 1



GEOTECHNICAL EXPLORATION
FT. WHITE PUBLIC LIBRARY
SR 47 & KOONHOLLOW GLN
FT. WHITE, COLUMBIA COUNTY, FLORIDA

CAL-TECH TESTING, INC.
P.O. Box 1625
Lake City, Florida 32056-1625
Phone: (386) 755-3633
Fax: (386) 752-5456

FIELD EXPLORATION PLAN

Project No. 09-00436-01		DATE: 11-06-2009	FIGURE: 2
	APPROVED:		SCALE: N.T.S.

0,0

CAL-TECH TESTING, INC.
3309 SW SR 247
Lake City, Florida 32024
Telephone: (386) 755-3633
Fax: (386) 752-5456

BORING NUMBER B-1

CLIENT Columbia County Board of County Commissioners
PROJECT NAME Ft. White Public Library
PROJECT NUMBER 09-00436-01
PROJECT LOCATION SR 47 & Koon Hollow Road, Columbia County, FL
DATE STARTED 11/05/09 **COMPLETED** 11/05/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Cal-Tech Testing, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Continuous Flight Auger/Split Spoon
AT TIME OF DRILLING ---
LOGGED BY N.H. **CHECKED BY** _____
AT END OF DRILLING --- Not Encountered
NOTES BK-51 (manual hammer)
AFTER DRILLING ---

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD %)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)
0		Brown, silty fine sand with organics (TOPSOIL)					
		LOOSE, gray to tan, fine sand with silt (SP-SM)	SPT 1		3-3-2 (5)		
			SPT 2		2-1-2 (3)		
5		LOOSE, yellowish tan, fine sand (SP)	SPT 3		2-2-2 (4)		
		LOOSE to MEDIUM DENSE, reddish brown with light gray mottles, clayey sand (SC)	SPT 4		3-4-5 (9)		
			SPT 5		4-4-5 (9)		
10			SPT 6		5-5-6 (11)		
15			SPT 7		5-6-6 (12)		
		VERY STIFF, light gray and reddish brown, sandy clay (CL)					
20			SPT 8		6-9-10 (19)		

Bottom of borehole at 20.0 feet.

▲ SPT N VALUE ▲
20 40 60 80
PL MC LL
20 40 60 80
☐ FINES CONTENT (%) ☐
20 40 60 80

GEOTECH BH PLOTS - GINT STD US LAB.GDT - 11/06/09 12:45 - \\CALTECH\SERVER\ALL LAKE CITY PROJECTS\2009\09-00436-01\09-00436-01 LOGS.GPJ

CAL-TECH TESTING, INC.
3309 SW SR 247
Lake City, Florida 32024
Telephone: (386) 755-3633
Fax: (386) 752-5456

BORING NUMBER B-2

CLIENT Columbia County Board of County Commissioners
PROJECT NAME Ft. White Public Library
PROJECT NUMBER 09-00436-01
PROJECT LOCATION SR 47 & Koon Hollow Road, Columbia County, FL
DATE STARTED 11/05/09 COMPLETED 11/05/09
GROUND ELEVATION ____ HOLE SIZE 4"
DRILLING CONTRACTOR Cal-Tech Testing, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Continuous Flight Auger/Split Spoon
AT TIME OF DRILLING —
LOGGED BY N.H. CHECKED BY ____
AT END OF DRILLING — Not Encountered
NOTES BK-51 (manual hammer)
AFTER DRILLING —

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD %)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)
0		Brown, silty fine sand with organics (TOPSOIL)					
		LOOSE, gray to tan, fine sand with silt (SP-SM)	SPT 1		3-3-4 (7)		
			SPT 2		2-3-3 (6)		
5		LOOSE, yellowish tan, fine sand (SP)	SPT 3		1-2-2 (4)		
			SPT 4		2-3-4 (7)		
		MEDIUM DENSE, reddish brown with light gray mottles, clayey sand (SC)	SPT 5		4-4-6 (10)		
10			SPT 6		6-8-11 (19)		
15			SPT 7		8-11-14 (25)		
20		VERY STIFF, light gray and reddish brown, sandy clay (CL)	SPT 8		6-10-12 (22)		

Bottom of borehole at 20.0 feet.

▲ SPT N VALUE ▲
20 40 60 80
PL MC LL
20 40 60 80
☐ FINES CONTENT (%) ☐
20 40 60 80

CAL-TECH TESTING, INC.
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Lake City, Florida 32024
Telephone: (386) 755-3633
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BORING NUMBER B-3

CLIENT Columbia County Board of County Commissioners
PROJECT NAME Ft. White Public Library
PROJECT NUMBER 09-00436-01
PROJECT LOCATION SR 47 & Koon Hollow Road, Columbia County, FL
DATE STARTED 11/05/09 **COMPLETED** 11/05/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Cal-Tech Testing, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Continuous Flight Auger/Split Spoon
AT TIME OF DRILLING —
LOGGED BY N.H. **CHECKED BY** _____
AT END OF DRILLING — Not Encountered
NOTES BK-51 (manual hammer)
AFTER DRILLING —

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD %)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)
0		Brown, silty fine sand with organics (TOPSOIL)					
		LOOSE, gray to tan, fine sand with silt (SP-SM)	SPT 1		4-4-4 (8)		
			SPT 2		3-3-3 (6)		
5		LOOSE, yellowish tan, fine sand (SP)	SPT 3		4-4-4 (8)		
		MEDIUM DENSE, reddish brown with light gray mottles, clayey sand (SC)	SPT 4		4-5-6 (11)		
			SPT 5		4-5-7 (12)		
10			SPT 6		7-8-9 (17)		
		MEDIUM DENSE, light gray silty clayey sand (SC-SM)	SPT 7		10-12-15 (27)		
15		VERY STIFF, light gray and reddish brown, sandy clay (CL)					
20			SPT 8		8-13-17 (30)		

Bottom of borehole at 20.0 feet.

▲ SPT N VALUE ▲
20 40 60 80
PL MC LL
20 40 60 80
☐ FINES CONTENT (%) ☐
20 40 60 80

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Lake City, Florida 32024
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BORING NUMBER B-4

CLIENT Columbia County Board of County Commissioners
PROJECT NAME Ft. White Public Library
PROJECT NUMBER 09-00436-01
PROJECT LOCATION SR 47 & Koon Hollow Road, Columbia County, FL
DATE STARTED 11/05/09 **COMPLETED** 11/05/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Cal-Tech Testing, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Continuous Flight Auger/Split Spoon
AT TIME OF DRILLING —
LOGGED BY N.H. **CHECKED BY** _____
AT END OF DRILLING --- Not Encountered
NOTES BK-51 (manual hammer)
AFTER DRILLING —

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD %)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)
0		Brown, silty fine sand with organics (TOPSOIL)					
		LOOSE, gray to tan, fine sand with silt (SP-SM)	SPT 1		3-2-3 (5)		
			SPT 2		2-1-2 (3)		
5		LOOSE, yellowish tan, fine sand (SP)	SPT 3		1-2-2 (4)		
			SPT 4		1-2-2 (4)		
			SPT 5		1-2-2 (4)		
10			SPT 6		2-3-3 (6)		
		MEDIUM DENSE, reddish brown with light gray mottles, clayey sand (SC)					
			SPT 7		5-3-9 (12)		
15							
			SPT 8		6-8-9 (17)		
20							

▲ SPT N VALUE ▲
20 40 60 80
PL MC LL
20 40 60 80
☐ FINES CONTENT (%) ☐
20 40 60 80

Bottom of borehole at 20.0 feet.

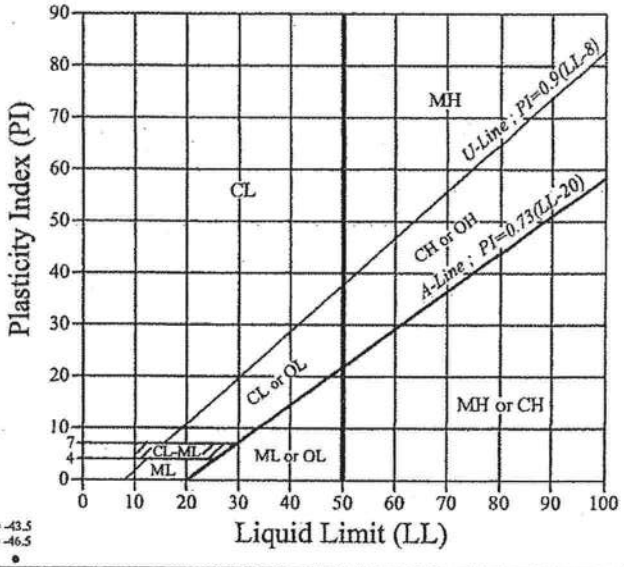
UNIFIED SOIL CLASSIFICATION SYSTEM
ASTM DESIGNATION D-2487

MAJOR DIVISIONS			GROUP SYMBOL	TYPICAL NAMES	LABORATORY CLASSIFICATION CRITERIA	
COARSE GRAINED SOILS (More than half of the material is larger than No. 200 sieve)	Gravels (more than half of the coarse fraction is larger than No. 4 sieve)	Clean gravels	GW	Well-graded gravels, gravel-sand mixtures, little or no fines.	$C_u = \frac{D_{60}}{D_{10}} > 4 \;;\; 1 < C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}} < 3$	
			GP	Poorly graded gravels, gravel-sand mixture, little or no fines.	Not meeting all gradation requirments of GW	
		Gravel with fines	GM	Silty gravels, gravel-sand-silt mixtures.	Atterberg Limits below A-Line or PI less than 4	Above A-Line with PI between 4 and 7 are borderline cases requiring the use of dual symbols.
			GC	Clayey gravels, gravel-sand-clay mixtures.	Atterberg Limits above A-Line or PI greater than 7	
	Sands (more than half of the coarse fraction is smaller than No. 4 sieve)	Clean sands	SW	Well-graded sands, gravelly sands, little or no fines.	$C_u = \frac{D_{60}}{D_{10}} > 6 \;;\; 1 < C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}} < 3$	
			SP	Poorly graded sands, gravelly sands, little or no fines.	Not meeting all gradation requirments of SW	
		Sands with fine	SM	Silty sands, sand-silt mixtures.	Atterberg Limits below A-Line or PI less than 4	Limits plotting in hatched zone with PI between 4 and 7 are borderline cases requiring the use of dual symbols.
			SC	Clayey sands, sand-clay mixtures.	Atterberg Limits above A-Line or PI greater than 7	
FINE GRAINED SOILS (More than half of the material is finer than No. 200 sieve)	Silts and Clays (LL less than 50)		ML	Inorganic silts, very fine sands, rock flour, silty or clayey fine sands, or clayey silts with slight plasticity.		
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clay.		
			OL	Organic silts and organic silty clays of low plasticity.		
	Silts and Clays (LL greater than 50)		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.		
			CH	Inorganic clays of high plasticity, fat clay.		
			OH	Organic clays of medium to high plasticity, organic silts.		
	Highly Organic Soils		Pt	Peat and other highly organic soils.		

Determine percentage of sand and gravel from grain size curve
Depending on percentage of fines (fraction smaller than No. 200 Sieve size), coarse grained soils are classified as follows:
Less than 5% ..... GW, GP, SW, SP
More than 12% ... GM, GC, SM, SC
5 to 12% ..... Borderline cases requiring dual symbols

PLASTICITY CHART

1. Plot intersection of PI as determined by the Atterberg Limits tests.
2. Points plotted above the A-Line indicate clay soils.
3. Points plotted below the A-Line indicate silt.



LL= -43.5
PI = -46.5

CAL-TECH TESTING, INC.
P.O. Box 1625
Lake City, Florida 32056-1625
Phone: 386-755-3633 Fax: 386-752-5456

5% Max. Passing the U.S. No. 200 Sieve ..... SP
5% - 12% Passing the U.S. No. 200 Sieve ..... SP-SM
12% - 50% Passing the U.S. No. 200 Sieve ..... SM/SC

KEY TO TEST DATA

STANDARD PENETRATION TEST:
Soil sampling and penetration testing is performed in accordance with ASTM D-1586. The standard penetration resistance ("*N*") is the number of blows of a 140-pound hammer falling 30 inches to drive a 2-inch O.D., 1.4-inch I.D. split spoon sampler one foot.

ROCK CORE DRILLING:
Rock sampling and core drilling is performed in accordance with ASTM D-2113. The rock quality designation percentage (RQD) is determined by summing only pieces of core that are at least 4 inches long, and dividing by the "run" length.

Relation of RQD and In-situ Rock Quality

RQD (%)	Rock Quality
90 -100	Excellent
75 - 90	Good
50 -75	Fair
25 - 50	Poor
0 - 25	Very Poor

RELATIVE DENSITY (SANDS):

Very loose - less than 4 blows/ft.
Loose - 5 to 10 blows/ft.
Medium - 11 to 30 blows/ft.
Dense - 31 to 50 blows/ft.
Very dense - over 50 blows/ft.

CONSISTENCY (SILTS & CLAYS):

Very soft - less than 2 blows/ft.
Soft - 3 to 4 blows/ft.
Medium stiff - 5 to 8 blows/ft.
Stiff - 9 to 15 blows/ft.
Very stiff - 16 to 30 blows/ft.
Hard - 31 to 50 blows/ft.
Very hard - over 50 blows/ft.

HARDNESS (ROCKS):

Soft - Rock core crumbles when handled.
Medium - Can break core with hands.
Moderately hard - Thin edges of rock core can be broken with fingers.
Hard - Thin edges of core can not be broken with fingers.
Very hard - Can not be scratched with knife.

GROUNDWATER:
Water levels shown on boring logs are taken immediately upon completion of boring, and are intended for general information. The apparent level may have been altered by the drilling process. Groundwater levels, if desired, can be monitored over a long time interval.

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5% Max. Passing the U.S. No. 200 Sieve ..... SP
5% - 12% Passing the U.S. No. 200 Sieve ..... SP-SM
12% - 50% Passing the U.S. No. 200 Sieve ..... SM/SC

6-26-09

Columbia County
BUILDING DEPARTMENT

MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR THE FLORIDA BUILDING CODE ,FLORIDA PLUMBING CODE,FLORIDA MECHINICAL CODE,FLORIDA FUEL AND GAS CODE 2007 EFFECTIVE 1 MARCH 2009 & 2009 SUPPLEMENTS EFFECTIVE 1 MARCH 2009 with Supplements and Revision OF THE NATIONAL ELECTRICAL 2008

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

COMMERCIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST

ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT FLORIDA BUILDING CODES. ALL PLANS OR DRAWING SHALL PROVIDED CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION.

FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FBC FIGURE 1609 STATE OF FLORIDA WIND-BORNE DEBRIS REGION & BASIC WIND SPEED MAP

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75
ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ---------- 100 MPH
ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE ---------- 110 MPH
NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

	GENERAL REQUIREMENTS:	Items to Include- Each Box shall be Circled as Applicable		
1	All drawings must be clear, concise and drawn to scale, details that are not used shall be marked void.	YES	NO	N/A
2	If the design professional is an architect or engineer legally registered under the laws of this state regulating the practice of architecture as provided for in Chapter 481, Florida Statutes, Part I, or engineering as provided for in Chapter 471, Florida Statutes, then he or she shall affix his or her official seal to said drawings, specifications and accompanying data, as required by Florida Statute.	YES	NO	N/A
3	The design professional signature shall be affixed to the plans	YES	NO	N/A
4	Two (2) complete sets of plans with the architecture or engineer signature and the date the affix embossed official seal was placed on the plans	YES	NO	N/A

COLUMBIA COUNTY BUILDING DEPARTMENT Received for FILE COPY Code Compliance PLANS EXAMINER

Two (2) complete sets of plans containing the following information:

	Building Site Plan Requirements	Items to Include- Each Box shall be Circled as Applicable		
4	Parking, including provision FBC chapter 11 for the required accessible parking site	Yes	No	N/A
5	Fire access, showing all drive way which will be accessible for emergency vehicles	Yes	No	N/A
6	Driving/turning radius of parking lots	Yes	No	N/A
7	Vehicle loading include truck dock loading or rail site loading	Yes	No	N/A
8	Nearest or number of onsite Fire hydrant/water supply/post indicator valve (PIV)	Yes	No	N/A
9	Set back of all existing or proposed structures from each structure and property boundaries, Show all separation including assumed property lines	Yes	No	N/A
10	Location of specific tanks(above or under grown ,water lines and sewer lines and septic tank and drain fields	Yes	No	N/A
11	All structures exterior views include finished floor elevation	Yes	No	N/A
12	Total height of structure(s) form established grade	Yes	No	N/A
	Review required by the Columbia County Fire Department Items 13Th 43			

	Occupancy group use circle all uses:	Group A	Group B	Group E	Group F	Group H	Group I	Group M	Group R	Group S	Group U D

13	Special occupancy requirements.	Yes	No	N/A
14	Incidental use areas (total square footage for each room of use area)	Yes	No	N/A
15	Mixed occupancies	Yes	No	N/A
16	REQUIRED SEPARATION OF OCCUPANCIES IN HOURS FBC TABLE 302.3.2	Yes	No	N/A
	Minimum type of permitted construction by code for occupancy use circle the construction type FBC 602			
17	Type I Type II Type III Type IV Type V			

	Fire-resistant construction requirements shall be shown, include the following components			
18	Fire-resistant separations	Yes	No	N/A
19	Fire-resistant protection for type of construction	Yes	No	N/A
20	Protection of openings and penetrations of rated walls	Yes	No	N/A
21	Protection of corridors and penetrations of rated walls	Yes	No	N/A
22	Fire blocking and draftstopping and calculated fire resistance	Yes	No	N/A
	Fire suppression systems shall be shown include:			
23	Early warning smoke evacuation systems Schematic fire sprinklers Standpipes	Yes	No	N/A
24	Standpipes	Yes	No	N/A
25	Pre-engineered systems	Yes	No	N/A
26	Riser diagram	Yes	No	N/A
	Life safety systems shall be shown include the following requirements:			
27	Occupant load and egress capacities	Yes	No	N/A
28	Early warning	Yes	No	N/A
29	Smoke control	Yes	No	N/A
30	Stair pressurization	Yes	No	N/A
31	Systems schematic	Yes	No	N/A
	Occupancy load/egress requirements shall be shown include:			
32	Occupancy load	Yes	No	N/A
33	Gross occupancy load	Yes	No	N/A
34	Net occupancy load	Yes	No	N/A
35	Means of egress	Yes	No	N/A
36	Exit access	Yes	No	N/A
37	Exit discharge	Yes	No	N/A
38	Stairs construction/geometry and protection	Yes	No	N/A
39	Doors	Yes	No	N/A

40	Emergency lighting and exit signs	Yes	No	N/A
41	Specific occupancy requirements	Yes	No	N/A
42	Construction requirements	Yes	No	N/A
43	Horizontal exits/exit passageways	Yes	No	N/A

		Items to Include- Each Box shall be Circled as Applicable		
	Structural requirements shall be shown include:			
44	Soil conditions/analysis	Yes	No	N/A
45	Termite protection	Yes	No	N/A
46	Design loads	Yes	No	N/A
47	Wind requirements	Yes	No	N/A
48	Building envelope	Yes	No	N/A
49	Structural calculations (if required)	Yes	No	N/A
50	Foundation **For** structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3	Yes	No	N/A
51	Wall systems	Yes	No	N/A
52	Floor systems	Yes	No	N/A
53	Roof systems	Yes	No	N/A
54	Threshold inspection plan	Yes	No	N/A
55	Stair systems	Yes	No	N/A
	Materials shall be shown include the following			
56	Wood	Yes	No	N/A
57	Steel	Yes	No	N/A
58	Aluminum	Yes	No	N/A
59	Concrete	Yes	No	N/A
60	Plastic	Yes	No	N/A
61	Glass	Yes	No	N/A
62	Masonry	Yes	No	N/A
63	Gypsum board and plaster	Yes	No	N/A
64	Insulating (mechanical)	Yes	No	N/A
65	Roofing	Yes	No	N/A
66	Insulation	Yes	No	N/A
	Accessibility requirements shall be shown include the following			
67	Site requirements	Yes	No	N/A
68	Accessible route	Yes	No	N/A
69	Vertical accessibility	Yes	No	N/A
70	Toilet and bathing facilities	Yes	No	N/A
71	Drinking fountains	Yes	No	N/A
72	Equipment	Yes	No	N/A
73	Special occupancy requirements	Yes	No	N/A
74	Fair housing requirements	Yes	No	N/A
	Interior requirements shall include the following			
75	**Review required by the Columbia County Fire Department Items 75Th 80** Interior finishes (flame spread/smoke development)	Yes	No	N/A
76	Light and ventilation	Yes	No	N/A
77	Sanitation	Yes	No	N/A
	Special systems			
78	Elevators	Yes	No	N/A
79	Escalators	Yes	No	N/A
80	Lifts	Yes	No	N/A
	Swimming pools			
81	Barrier requirements	Yes	No	N/A
82	Spas	Yes	No	N/A
83	Wading pools	Yes	No	N/A

	Items to Include-Each Box shall be Circled as Applicable			
	Electrical			
84	Wiring	Yes	No	N/A
85	Services **For** structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3	Yes	No	N/A
86	Feeders and branch circuits	Yes	No	N/A
87	Overcurrent protection	Yes	No	N/A
88	Grounding	Yes	No	N/A
89	Wiring methods and materials	Yes	No	N/A
90	GFCIs	Yes	No	N/A
91	Equipment	Yes	No	N/A
92	Special occupancies	Yes	No	N/A
93	Emergency systems	Yes	No	N/A
94	Communication systems	Yes	No	N/A
95	Low voltage	Yes	No	N/A
96	Load calculations	Yes	No	N/A
	Plumbing			
97	Minimum plumbing facilities	Yes	No	N/A
98	Fixture requirements	Yes	No	N/A
99	Water supply piping	Yes	No	N/A
100	Sanitary drainage	Yes	No	N/A
101	Water heaters	Yes	No	N/A
102	Vents	Yes	No	N/A
103	Roof drainage	Yes	No	N/A
104	Back flow prevention	Yes	No	N/A
105	Irrigation	Yes	No	N/A
106	Location of water supply line	Yes	No	N/A
107	Grease traps	Yes	No	N/A
108	Environmental requirements	Yes	No	N/A
109	Plumbing riser	Yes	No	N/A
	Mechanical			
110	Energy calculations	Yes	No	N/A
111	**Review required by the Columbia County Fire Department Items 111Th 114** Exhaust systems	Yes	No	N/A
112	Clothes dryer exhaust	Yes	No	N/A
113	Kitchen equipment exhaust	Yes	No	N/A
114	Specialty exhaust systems	Yes	No	N/A
	Equipment location			
115	Make-up air	Yes	No	N/A
116	Roof-mounted equipment	Yes	No	N/A
117	Duct systems	Yes	No	N/A
118	Ventilation	Yes	No	N/A
119	Laboratory	Yes	No	N/A
120	Combustion air	Yes	No	N/A
121	Chimneys, fireplaces and vents	Yes	No	N/A
122	Appliances	Yes	No	N/A
123	Boilers	Yes	No	N/A
124	Refrigeration	Yes	No	N/A
125	Bathroom ventilation	Yes	No	N/A

	Items to Include-Each Box shall be Circled as Applicable			
	Gas			
126	**Review required by the Columbia County Fire Department Items 126Th 134** Gas piping	Yes	No	N/A
127	Venting	Yes	No	N/A
128	Combustion air	Yes	No	N/A
129	Chimneys and vents	Yes	No	N/A
130	Appliances	Yes	No	N/A
131	Type of gas	Yes	No	N/A
132	Fireplaces	Yes	No	N/A
133	LP tank location	Yes	No	N/A
134	Riser diagram/shutoffs	Yes	No	N/A
	Notice of Commencement			
135	A recorded (in the Columbia County Clerk Office) notice of commencement is required to be on file with the building department . *Before Any Inspections Will Be Done*	(Yes)	No	N/A
	Disclosure Statement for Owner Builders	Yes	No	N/A

	Private Potable Water			
136	Horse power of pump motor	Yes	No	(N/A)
137	Capacity of pressure tank	Yes	No	(N/A)
138	Cycle stop valve if used	Yes	No	(N/A)

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

139	**Building Permit Application**	A current Building Permit Application form is to be completed and submitted for all construction projects.	(Yes)	No	N/A
140	**Parcel Number**	The parcel number (Tax ID number) from the Property Appraiser is required. A copy of property deed is also requested. (386) 758-1084	(Yes)	No	N/A
141	**Environmental Health Permit or Sewer Tap Approval**	A copy of an approved Environmental Health (386) 758-1058 waste water disposal permit or an approved City of Lake City(386) 752-2031 sewer tap is required before a building permit can be issued. **Toilet facilities shall be provided for construction workers**	(Yes)	No	N/A
142	**Driveway Connection**	If the property does not have an existing access to a public road, then an application for a culvert permit must be made **($25.00)**. Culvert installation for commercial, industrial and other uses shall **conform to the approved site plan or to the specifications of a registered engineer. Use or joint use of driveways will comply with Florida Department of Transportation specifications**. If the project is to be located on an F.D.O.T. maintained road, then an F.D.O.T. access permit is required.	(Yes)	No	N/A
143	**Suwannee River Water Management District Approval**	All commercial projects must have an SRWMD permit issued or an exemption letter, before a building permit will be issued.	(Yes)	No	N/A

144	**Flood Management**	All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) **has been** established shall meet the requirements of section 8.8 of the Columbia County Land Development Regulations. Any project that is located within a flood zone where the base flood elevation (100 year flood) **has not been** established shall meet the requirements of section 8.7 of Columbia County Land Development Regulations. A development permit will also be required. **The development permit cost is $50.00**	Yes	No	N/A
145	**Flood Management**	A CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.	Yes	No	N/A
146	**911 Address**	If the project is located in an area where a 911 address has not been issued, then application for a 911address must be applied for and **received** through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125	Yes	No	N/A

Pursuant to Chapter one (administration) section R101.2.1 of the Florida Building Code: Section 105.3.2 **Time limitation of application**. An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

Pursuant to Chapter one (administration) section R101.2.1 of the Florida Building Code: Section 105.4.1 **Permit intent.** A permit issued shall be constructed to be a license to proceed with the work and not as authority to violate, cancel, alter or set aside any of the provisions of the technical codes, nor shall issuance of a permit prevent the building official from thereafter requiring a correction of errors in plans, construction or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced.

Section 105.4.1.1: If work has commenced and the permit is revoked, becomes null and void, or expires because of lack of progress or abandonment, a new permit covering the proposed construction shall be obtained before proceeding with the work.

Section 105.4.1.2: If a new permit is not obtained within 180 days from the date the initial permit became null and void, the building official is authorized to require that any work which has been commenced or completed be removed from the building site. Alternately, a new permit may be issued on application, providing the work in place and required to complete the structure meets all applicable regulations in effect at the time the initial permit became null and void and any regulations which may have become effective between the date of expiration and the date if issuance of the new permit.

Section 105.4.1.3: Work shall be considered to be in active progress when the permit has received an approved inspection within 180 days. This provision shall not be applicable in case of civil commotion or strike or when the building work is halted due directly to judicial injunction, order or similar process.

Section 105.4.1.4: The fee for renewal reissuance and extension of a permit shall be set forth by the administrative authority.

When the submitted application is approved for permitting the applicant will be notified by phone as to the date and time a building permit will be prepared and issued by the Columbia County Building & Zoning Department.

PRODUCT APPROVAL SPECIFICATION SHEET

Location: _____ **Project Name:** Fort White Library

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging	YKK	35D MEDIUM STILE DOOR	FL#5851.1
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other (Ext.)	Premier Product	Hollow Metal Doors & Frames	FL#6378
B. WINDOWS			
1. Single hung			
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed	YKK	YES 45-TU THERMAL-BREAK	FL#7019.2
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts	YKK	YES 45-TU THERMAL-BREAK	FL#7019.2
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor	Simpson	Hanger	FL 3750.71
2. Truss plates	Mitek	Truss Plate	FL 2197
3. Engineered lumber			
4. Railing			
6. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspection.

Contractor or Contractor's Authorized Agent Signature

Brooks Hayes G

Print Name Date

Location

Florida Energy Efficiency Code For Building Construction

Florida Department of Community Affairs

EnergyGauge Summit® Fla/Com-2008, Effective: March 1, 2009 -- Form 400A-2008

Method A: Whole Building Performance Method for Commercial Buildings

PROJECT SUMMARY

Short Desc:	9042	**Description:**	Ft White
Owner:	Akin & Associates		
Address1:	Enter Address here	**City:**	Ft White
Address2:	Enter Address here	**State:**	FL
		Zip:	0
Type:	Library	**Class:**	New Finished building
Jurisdiction:	COLUMBIA COUNTY, COLUMBIA COUNTY, FL (221000)		
Conditioned Area:	4604 SF	**Conditioned & UnConditioned Area:**	4604 SF
No of Stories:	1	**Area entered from Plans**	5400 SF
Permit No:	0	**Max Tonnage**	5.4
		If different, write in:	_____

Compliance Summary

Component	Design	Criteria	Result
Gross Energy Cost (in $)	3,905.0	4,191.0	**PASSED**
LIGHTING CONTROLS			**PASSES**
EXTERNAL LIGHTING			**PASSES**
HVAC SYSTEM			**PASSES**
PLANT			**None Entered**
WATER HEATING SYSTEMS			**PASSES**
PIPING SYSTEMS			**None Entered**
Met all required compliance from Check List?			**Yes/No/NA**

IMPORTANT MESSAGE
Info 5009 -- -- -- An input report of this design building must be submitted along with this Compliance Report

CERTIFICATIONS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code

Prepared By: Greg Smith — Building Official: _____

Date: 3-22-10 — Date: _____

I certify that this building is in compliance with the FLorida Energy Efficiency Code

Owner Agent: _____ — Date: _____

If Required by Florida law, I hereby certify (*) that the system design is in compliance with the FLorida Energy Efficiency Code

Architect: Akin & Associates — Reg No: _____

Electrical Designer: Richard Poltevecque — Reg No: 50772

Lighting Designer: Richard Poltevecque — Reg No: 50772

Mechanical Designer: Richard Poltevecque — Reg No: 50772

Plumbing Designer: Richard Poltevecque — Reg No: 50772

(*) Signature is required where Florida Law requires design to be performed by registered design professionals.

R Poltevecque
3-22-10

Project: 9042
Title: Ft White
Type: Library
(WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

Building End Uses

	1) Proposed	2) Baseline
Total	*249.20*	*311.00*
	$3,905	*$4,930*
ELECTRICITY(MBtu/kWh/$)	249.20	311.00
	72999	91135
	$3,905	*$4,930*
AREA LIGHTS	69.00	55.00
	20213	16117
	$1,081	*$872*
MISC EQUIPMT	57.00	57.00
	16700	16700
	$893	*$903*
PUMPS & MISC	0.90	0.40
	269	116
	$14	*$6*
SPACE COOL	76.40	84.00
	22379	24615
	$1,197	*$1,332*
SPACE HEAT	0.40	19.80
	107	5809
	$6	*$314*
VENT FANS	45.50	94.80
	13331	27778
	$713	*$1,503*

Passing requires Proposed Building cost to be at most 85% of Baseline cost. This Proposed Building is at 79.2%

PASSES

Project: 9042
Title: Ft White
Type: Library
(WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

External Lighting Compliance

Description	Category	Tradable?	Allowance (W/Unit)	Area or Length or No. of Units (Sqft or ft)	ELPA (W)	CLP (W)
Ext Light 3	Canopies (freestanding, attached and Overhangs)	Yes	1.25	1,063.0	1,329	490
Ext Light 8	Walk way less than 10 feet wide	Yes	1.00	204.0	204	490

Tradable Surfaces: 980 (W) Allowance for Tradable: 1609.387 (W) **PASSES**
All External Lighting: 980 (W)
Complicance check includes a 5% excess allowance of 76.64(W)

Project: 9042
Title: Ft White
Type: Library
(WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

Lighting Controls Compliance

Acronym	Ashrae ID	Description	Area (sq.ft)	Design CP	Min CP	Compli-ance
101	12,003	Reading Area (Library)	1,800	1	1	PASSES
111	15	Conference/meeting (Multiple Functions)	620	2	1	PASSES
101	12,003	Reading Area (Library)	900	1	1	PASSES
100	12	Lobby (General) - Reception and Waiting	155	2	1	PASSES
102	16	Office - Open Plan	80	1	1	PASSES
103	8	Food Service - Leisure Dining	100	1	1	PASSES
104	1	Electrical Mechanical Equipment Room - General	85	1	1	PASSES
106	2	Storage & Warehouse - Inactive Storage	92	1	1	PASSES
RRs	6	Toilet and Washroom	300	1	1	PASSES
112	2	Storage & Warehouse - Inactive Storage	70	1	1	PASSES
113	16	Office - Open Plan	160	2	1	PASSES
114	17	Office - Enclosed	57	1	1	PASSES
115	5	Corridor	125	1	1	PASSES
105	1	Electrical Mechanical Equipment Room - General	60	1	1	PASSES

PASSES

Project: 9042
Title: Ft White
Type: Library
(WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

System Report Compliance

AHU-1 **System 1** **Variable Air Volume Packaged System** **No. of Units 1**

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Air Cooled < 65000 Btu/h Cooling Capacity		14.00	12.23	8.00		PASSES
Heating System	Electric Furnace		1.00	1.00			PASSES
Air Handling System -Supply	Air Handler (Supply) - Variable Volume		1.25	1.27			PASSES

AHU-2 **System 1** **Variable Air Volume Packaged System** **No. of Units 1**

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Air Cooled < 65000 Btu/h Cooling Capacity		14.00	12.23	8.00		PASSES
Heating System	Electric Furnace		1.00	1.00			PASSES
Air Handling System -Supply	Air Handler (Supply) - Variable Volume		1.25	1.27			PASSES

AHU-3 **System 1** **Variable Air Volume Packaged System** **No. of Units 1**

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Air Cooled < 65000 Btu/h Cooling Capacity		14.00	12.23	8.00		PASSES
Heating System	Electric Furnace		1.00	1.00			PASSES
Air Handling System -Supply	Air Handler (Supply) - Variable Volume		1.25	1.27			PASSES

PASSES

Plant Compliance

Description	Installed No	Size	Design Eff	Min Eff	Design IPLV	Min IPLV	Category	Compliance

None

Project: 9042
Title: Ft White
Type: Library
(WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

Water Heater Compliance

Description	Type	Category	Design Eff	Min Eff	Design Loss	Max Loss	Compliance
Water Heater 1	Electric water heater	<= 12 [kW]	98.00	0.90			PASSES

PASSES

Piping System Compliance

Category	Pipe Dia [inches]	Is Runout?	Operating Temp [F]	Ins Cond [Btu-in/hr .SF.F]	Ins Thick [in]	Req Ins Thick [in]	Compliance

None

Project: 9042
Title: Ft White
Type: Library
(WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

Other Required Compliance

Category	Section	Requirement (write N/A in box if not applicable)	Check
Report	13-101	Input Report Print-Out from EnergyGauge FlaCom attached	☐
Operations Manual	13-102.1, 13-410, 13-413	Operations manual provided to owner	☐
Windows & Doors	13-406.AB.1.1	Glazed swinging entrance & revolving doors: max. 1.0 cfm/ft²; all other products: 0.4 cfm/ft²	☐
Joints/Cracks	13-406.AB.1.2	To be caulked, gasketed, weather-stripped or otherwise sealed	☐
Dropped Ceiling Cavity	13-406.AB.3	Vented: seal & insulated ceiling. Unvented seal & insulate roof & side walls	☐
System	13-407	HVAC Load sizing has been performed	☐
Reheat	13-407.B	Electric resistance reheat prohibited	☐
HVAC Efficiency	13-407, 13-408	Minimum efficiences: Cooling Tables 13-407.AB.3.2.1A-D; Heating Tables 13-407.AB.3.2.1B, 13-407.AB.3.2.1D, 13-408.AB.3.2.1E, 13-408.AB.3.2F	☐
HVAC Controls	13-407.AB.2	Zone controls prevent reheat (exceptions); simultaneous heating and cooling in each zone; combined HAC deadband of at least 5°F (exceptions)	☐
Ventilation Controls	13-409.AB.3	Motorized dampers reqd, except gravity dampers OK in: 1) exhaust systems and 2) systems with design outside air intake or exhaust capacity ≤300 cfm	☐
ADS	13-410	Duct sizing and Design have been performed	☐
HVAC Ducts	13-410.AB	Air ducts, fittings, mechanical equipment & plenum chambers shall be mechanically attached, sealed, insulated & installed per Sec. 13-410 Air Distribution Systems	☐
Balancing	13-410.AB.4	HVAC distribution system(s) tested & balanced. Report in construction documents	☐
Piping Insulation	13-411.AB	In accordance with Table 13-411.AB.2	☐
Water Heaters	13-412.AB	Performance requirements in accordance with Table 13-412.AB.3. Heat trap required	☐
Swimming Pools	13-412.AB.2.6	Cover on heated swimming pools: Time switch (exceptions); Readily accessible on/off switch	☐
Hot Water Pipe Insulation	13-411.AB.3	Table 13-411.AB.2 for circulating systems, first 8 feet of outlet pipe from storage tank and between inlet pipe and heat trap	☐
Water Fixtures	13-412.AB.2.5	Shower hot water flow restricted to 2.5 gpm at 80 psi. Public lavatory fixture how water flow 0.5 gpm max; if self-closing valve 0.25 gallon recirculating, 0.5 gallon non recirculating	☐
Motors	13-414	Motor efficiency criteria have been met	☐
Lighting Controls	13-415.AB	Automatic control required for interior lighting in buildings >5,000 s.f.; Space control; Exterior photo sensor; Tandom wiring with 1 or 3 linear fluuorescent lamps>30W	☐

EnergyGauge Summit® v3.22

INPUT DATA REPORT

Project Information

Project Name: 9042
Project Title: Ft White
Address: Enter Address here
Enter Address here
State: FL
Zip: 0
Owner: Akin & Associates

Orientation: North
Building Type: Library
Building Classification: New Finished building
No.of Stories: 1
GrossArea: 4604 SF

Zones

No	Acronym	Description	Type	Area [sf]	Multiplier	Total Area [sf]	
1	AHU-1	Part Library	CONDITIONED	1800.0	1	1800.0	☐
2	AHU-2	Part Lib & Conf	CONDITIONED	1520.0	1	1520.0	☐
3	AHU-3	Offices	CONDITIONED	1284.0	1	1284.0	☐

Spaces

No	Acronym	Description	Type	Depth [ft]	Width [ft]	Height [ft]	Multiplier	Total Area [sf]	Total Volume [cf]	
In Zone:	**AHU-1**									
1	101	Part Lib	Reading Area (Library)	1.00	1800.00	10.00	1	1800.0	18000.0	☐
In Zone:	**AHU-2**									
1	111	Meeting RM	Conference/meeting (Multiple Functions)	1.00	620.00	10.00	1	620.0	6200.0	☐
2	101	Part Lib2	Reading Area (Library)	1.00	900.00	10.00	1	900.0	9000.0	☐
In Zone:	**AHU-3**									
1	100	Lobby	Lobby (General) - Reception and Waiting	1.00	155.00	10.00	1	155.0	1550.0	☐
2	102	Wk Space	Office - Open Plan	1.00	80.00	10.00	1	80.0	800.0	☐
3	103	Staff Lounge	Food Service - Leisure Dining	1.00	100.00	10.00	1	100.0	1000.0	☐
4	104	Tutor	Electrical Mechanical Equipment Room - General	1.00	85.00	10.00	1	85.0	850.0	☐
5	106	Lib Storage	Storage & Warehouse - Inactive Storage	1.00	92.00	10.00	1	92.0	920.0	☐
6	RRs	All RR	Toilet and Washroom	1.00	300.00	10.00	1	300.0	3000.0	☐
7	112	Chair Storage	Storage & Warehouse - Inactive Storage	1.00	70.00	10.00	1	70.0	700.0	☐
8	113	Circ Desk	Office - Open Plan	1.00	160.00	10.00	1	160.0	1600.0	☐
9	114	Office	Office - Enclosed	1.00	57.00	10.00	1	57.0	570.0	☐
10	115	Lobby Corr	Corridor	1.00	125.00	10.00	1	125.0	1250.0	☐
11	105	Mech Elec	Electrical Mechanical Equipment Room - General	1.00	60.00	10.00	1	60.0	600.0	☐

Lighting

No	Type	Category	No. of Luminaires	Watts per Luminaire	Power [W]	Control Type	No.of Ctrl pts	
In Zone: AHU-1								
In Space: 101								
1	Recessed Fluorescent - No vent	General Lighting	54	32	1728	Occupancy sensor without Daylighting	1	☐
In Zone: AHU-2								
In Space: 111								
1	Recessed Fluorescent - No vent	General Lighting	16	32	512	Occupancy sensor without Daylighting	1	☐
2	Metal Halide	General Lighting	18	75	1350	Occupancy sensor without Daylighting	1	☐
In Space: 101								
1	Recessed Fluorescent - No vent	General Lighting	12	32	384	Occupancy sensor without Daylighting	1	☐
In Zone: AHU-3								
In Space: 100								
1	Compact Fluorescent	General Lighting	9	25	225	Occupancy sensor without Daylighting	1	☐
2	Metal Halide	General Lighting	4	100	400	Occupancy sensor without Daylighting	1	☐
In Space: 102								
1	Recessed Fluorescent - No vent	General Lighting	2	32	64	Occupancy sensor without Daylighting	1	☐
In Space: 103								
1	Recessed Fluorescent - No vent	General Lighting	4	32	128	Occupancy sensor without Daylighting	1	☐
In Space: 104								
1	Recessed Fluorescent - No vent	General Lighting	4	32	128	Occupancy sensor without Daylighting	1	☐
In Space: 106								
1	Recessed Fluorescent - No vent	General Lighting	4	17	68	Occupancy sensor without Daylighting	1	☐
In Space: RRs								
1	Compact Fluorescent	General Lighting	12	32	384	Occupancy sensor without Daylighting	1	☐
In Space: 112								

	1	Recessed Fluorescent - No vent	General Lighting	2	32	64	Occupancy sensor without Daylighting	1	☐
In Space: 113									
	1	Recessed Fluorescent - No vent	General Lighting	8	32	256	Occupancy sensor without Daylighting	1	☐
	2	Metal Halide	General Lighting	7	75	525	Occupancy sensor without Daylighting	1	☐
In Space: 114									
	1	Recessed Fluorescent - No vent	General Lighting	4	32	128	Occupancy sensor without Daylighting	1	☐
In Space: 115									
	1	Recessed Fluorescent - No vent	General Lighting	6	32	192	Occupancy sensor without Daylighting	1	☐
In Space: 105									
	1	Compact Fluorescent	General Lighting	2	32	64	Manual On/Off	1	☐

Walls

No	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Direction	Conductance [Btu/hr. sf. F]	Heat Capacity [Btu/sf.F]	Dens. [lb/cf]	R-Value [h.sf.F/Btu]	
In Zone: AHU-1												
1	S Part of Lib	9042 Wall	60.00	14.00	1	840.0	West	0.0980	8.883	43.51	10.2	☐
2	S Part of Lib	9042 Wall	32.00	14.00	1	448.0	South	0.0980	8.883	43.51	10.2	☐
In Zone: AHU-2												
1	Conf	9042 Wall	18.50	14.00	1	259.0	East	0.0980	8.883	43.51	10.2	☐
2	Pr0Zo2Wa2	9042 Wall	51.50	14.00	1	721.0	North	0.0980	8.883	43.51	10.2	☐
In Zone: AHU-3												
1	Pr0Zo3Wa1	9042 Wall	89.00	14.00	1	1246.0	East	0.0980	8.883	43.51	10.2	☐
2	Pr0Zo3Wa2	9042 Wall	25.00	14.00	1	350.0	South	0.0980	8.883	43.51	10.2	☐

Windows

No	Description	Type	Shaded	U [Btu/hr sf F]	SHGC	Vis.Tra	W [ft]	H (Effec) [ft]	Multi plier	Total Area [sf]

In Zone: AHU-1											
In Wall: W Wall											
1	Pr0Zo1Wa1Wi1	User Defined	No	0.9000	0.68	0.76	21.00	7.00	1	147.0	☐
In Zone: AHU-2											
In Wall: E Wall											
1	E Wall	User Defined	No	0.9000	0.68	0.76	12.00	6.00	1	72.0	☐
In Wall: N Wall											
1	N Win	User Defined	No	0.9000	0.68	0.76	8.00	7.00	1	56.0	☐
In Zone: AHU-3											
In Wall: E Wall											
1	Win	User Defined	No	0.9000	0.68	0.76	9.00	7.00	1	63.0	☐
2	Win	User Defined	No	0.9000	0.68	0.76	3.30	5.00	2	33.0	☐

Doors

No	Description	Type	Shaded?	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Cond. [Btu/hr. sf. F]	Dens. [lb/cf]	Heat Cap. [Btu/sf. F]	R-Value [h.sf.F/Btu]	
In Zone: AHU-1												
In Wall: W Wall												
1	Pr0Zo1Wa1Dr1	Solid core flush (2.25)	No	3.00	6.50	1	19.5	0.3504	0.00	0.00	2.85	☐
In Zone: AHU-2												
In Wall: E Wall												
1	Pr0Zo2Wa1Dr1	Solid core flush (2.25)	No	3.00	6.50	1	19.5	0.3504	0.00	0.00	2.85	☐
In Zone: AHU-3												
In Wall: S Wall												
1	Pr0Zo3Wa2Dr1	Solid core flush (2.25)	No	3.50	9.00	1	31.5	0.3504	0.00	0.00	2.85	☐

Roofs

No	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Tilt [deg]	Cond. [Btu/hr. Sf. F]	Heat Cap [Btu/sf. F]	Dens. [lb/cf]	R-Value [h.sf.F/Btu]	
In Zone: AHU-1												
1	Pr0Zo1Rf1	9042 Roof	1800.00	1.00	1	1800.0	0.00	0.0442	0.94	6.71	22.6	☐
In Zone: AHU-2												

	1	Pr0Zo2Rf1	9042 Roof	1520.00	1.00	1	1520.0	0.00	0.0442	0.94	6.71	22.6
In Zone:	**AHU-3**											
	1	Pr0Zo3Rf1	9042 Roof	1025.00	2.00	1	2050.0	0.00	0.0442	0.94	6.71	22.6

Skylights

	No	Description	Type	U [Btu/hr sf F]	SHGC	Vis.Trans	W [ft]	H (Effec) [ft]	Multiplier	Area [Sf]	Total Area [Sf]
In Zone:											
In Roof:											

Floors

	No	Description	Type	Width [ft]	H (Effec) [ft]	Multiplier	Area [sf]	Cond. [Btu/hr. sf. F]	Heat Cap. [Btu/sf. F]	Dens. [lb/cf]	R-Value [h.sf.F/Btu]
In Zone:	**AHU-1**										
	1	Pr0Zo1Fl1	9042 Floor	1800.00	1.00	1	1800.0	0.5780	14.00	140.00	1.73
In Zone:	**AHU-2**										
	1	Pr0Zo2Fl1	9042 Floor	1520.00	1.00	1	1520.0	0.5780	14.00	140.00	1.73
In Zone:	**AHU-3**										
	1	Pr0Zo3Fl1	9042 Floor	1025.00	2.00	1	2050.0	0.5780	14.00	140.00	1.73

Systems

AHU-1 **System 1** **Variable Air Volume Packaged System** **No. Of Units 1**

Component	Category	Capacity	Efficiency	IPLV
1	Cooling System	64870.00	14.00	8.00
2	Heating System	20480.00	1.00	
3	Air Handling System -Supply	1500.00	1.25	

AHU-2	System 1	Variable Air Volume Packaged System		No. Of Units 1	
Component	**Category**	**Capacity**	**Efficiency**	**IPLV**	
1	Cooling System	64870.00	14.00	8.00	☐
2	Heating System	20480.00	1.00		☐
3	Air Handling System -Supply	1500.00	1.25		☐

AHU-3	System 1	Variable Air Volume Packaged System		No. Of Units 1	
Component	**Category**	**Capacity**	**Efficiency**	**IPLV**	
1	Cooling System	64870.00	14.00	8.00	☐
2	Heating System	20480.00	1.00		☐
3	Air Handling System -Supply	1500.00	1.25		☐

Plant

Equipment	Category	Size	Inst.No	Eff.	IPLV	
						☐

Water Heaters

	W-Heater Description	Capacity	Cap.Unit	I/P Rt.	Efficiency		Loss		
1	Electric water heater	20	[Gal]	3	[kW]	98.0000	[Ef]	[Btu/h]	☐

Ext-Lighting

	Description	Category	No. of Luminaires	Watts per Luminaire	Area/Len/No. of units [sf/ft/No]	Control Type	Wattage [W]	
1	Ext Light 3	Canopies (freestanding, attached and Overhangs)	7	70	1063.00	Astronomical Timer Co	490.00	☐
2	Ext Light 8	Walk way less than 10 feet wide	7	70	204.00	Astronomical Timer Co	490.00	☐

Piping

No	Type	Operating Temperature [F]	Insulation Conductivity [Btu-in/h.sf.F]	Nomonal pipe Diameter [in]	Insulation Thickness [in]	Is Runout?
						☐

Fenestration Used

Name	Glass Type	No. of Panes	Glass Conductance [Btu/h.sf.F]	SHGC	VLT	
9042 Window	User Defined	2	0.9000	0.6800	0.7600	☐

Materials Used

Mat No	Acronym	Description	Only R-Value Used	RValue [h.sf.F/Btu]	Thickness [ft]	Conductivity [Btu/h.ft.F]	Density [lb/cf]	SpecificHeat [Btu/lb.F]	
178	Matl178	CARPET W/RUBBER PAD	Yes	1.2300					☐
48	Matl48	6 in. Heavyweight concrete	No	0.5000	0.5000	1.0000	140.00	0.2000	☐
123	Matl123	CONC BLOCK MW,8IN,HOLLOW	No	1.7227	0.6667	0.3870	53.00	0.2000	☐
57	Matl57	3/4 in. Plaster or gypsum	No	0.1488	0.0625	0.4200	100.00	0.2000	☐
266	Matl266	2x4@16" oc + R11 Batt	No	8.3343	0.2917	0.0350	9.70	0.2000	☐
271	Matl271	2x4@24" oc + R11 Batt	No	10.4179	0.2917	0.0280	7.11	0.2000	☐
82	Matl82	ASPHALT-SHINGLE AND SIDING	Yes	0.4400					☐
404	Matl404	R-11 Generic Insulation	No	11.0000	0.2401	0.0218	0.30	0.2000	☐
245	Matl245	PLYWOOD, 5/8IN	No	0.7894	0.0521	0.0660	34.00	0.2900	☐

Constructs Used

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1058	Solid core flush (2.25)	No	Yes	0.35			2.9	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	279	Solid core flush (2.25")		0.000	☐

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1060	9042 Wall	No	No	0.10	8.88	43.51	10.2	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	123	CONC BLOCK MW,8IN,HOLLOW	0.6667	0.000	☐
2	266	2x4@16" oc + R11 Batt	0.2917	0.000	☐
3	57	3/4 in. Plaster or gypsum	0.0625	0.000	☐

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1061	9042 Roof	No	No	0.04	0.94	6.71	22.6	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	82	ASPHALT-SHINGLE AND SIDING		0.000	☐
2	245	PLYWOOD, 5/8IN	0.0521	0.000	☐
3	271	2x4@24" oc + R11 Batt	0.2917	0.000	☐
4	404	R-11 Generic Insulation	0.2401	0.000	☐

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1062	9042 Floor	No	No	0.58	14.00	140.00	1.7	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	48	6 in. Heavyweight concrete	0.5000	0.000	☐
2	178	CARPET W/RUBBER PAD		0.000	☐

SUBCONTRACTOR VERIFICATION FORM 28689

APPLICATION NUMBER _____ CONTRACTOR DANIEL R. WILLIAMS PHONE 229-740-21

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name _____ Signature _____ License #: Phone #:
MECHANICAL/ A/C _____	Print Name _____ Signature _____ License #: Phone #:
PLUMBING/ GAS	Print Name _____ Signature _____ License #: Phone #:
ROOFING	Print Name _____ Signature _____ License #: Phone #:
SHEET METAL	Print Name _____ Signature _____ License #: Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name _____ Signature _____ License#: Phone #:
SOLAR	Print Name _____ Signature _____ License #: Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL OK	CBC039102	DANIEL R. WILLIAMS	Daniel R Williams
PLASTER			
CABINET INSTALLER			
PAINTING OK	CBC039102	DANIEL R. WILLIAMS	Daniel R Williams
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

#28689

BL10-004

A S and E, Inc.

Florida
24710 State Road 54
Lutz, Florida 33559
1-813-948-2812 FAX : 1-813-949-2016
Florida Engineering License CA 7882

Texas
3000 Sage Road, Suite 1374
Houston, Texas 77056
1-713-963-8840 FAX: 1-713-963-9840
Texas Engineering License F-9500

E-Mail: office@asande.com
Designers and engineers since 1965

TRUSS REPAIR COVERSHEET

Job Number	Date Received	Checked By	Date Checked
328693	8.10.2010	LP	8.10.2010

- ☐ Hold (date) _____
- ☐ Number of Repairs 1
- ☐ 3 Raised/ 1 Flat _____
- ☐ Date Faxed _____

BFS - Lake City
Mailed Daily - Mail out regular mail

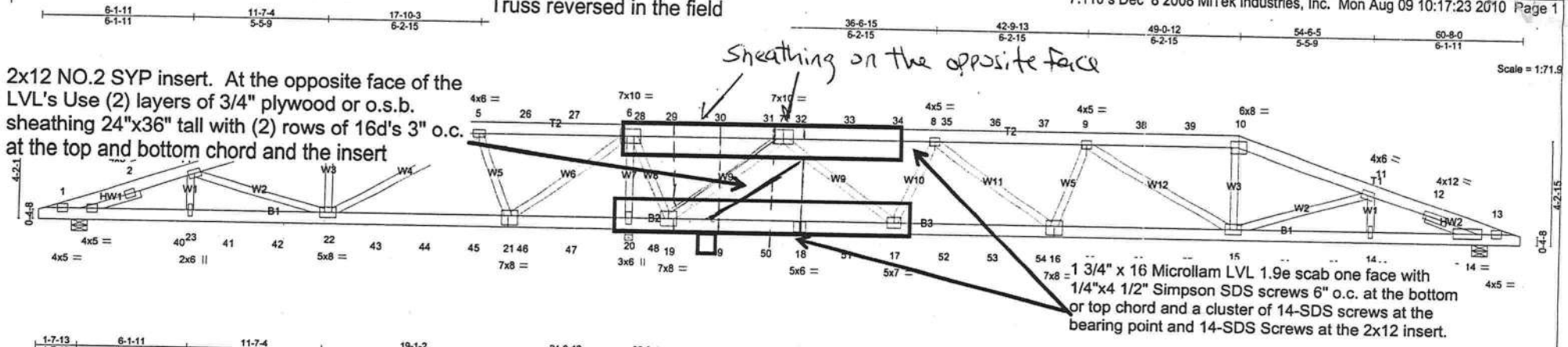
Job	Truss	Truss Type	Qty	Ply	New Fort White Branch Library
328693	T01	HIP	1	2	
Builders FrstSource, Lake City, FL 32055					Job Reference (optional)

7.110 s Dec 8 2008 MiTek Industries, Inc. Mon Aug 09 10:17:23 2010 Page 1

Truss reversed in the field

2x12 NO.2 SYP insert. At the opposite face of the LVL's Use (2) layers of 3/4" plywood or o.s.b. sheathing 24"x36" tall with (2) rows of 16d's 3" o.c. at the top and bottom chord and the insert

Sheathing on the opposite face



1 3/4" x 16 Microllam LVL 1.9e scab one face with 1/4"x4 1/2" Simpson SDS screws 6" o.c. at the bottom or top chord and a cluster of 14-SDS screws at the bearing point and 14-SDS Screws at the 2x12 insert.

Plate Offsets (X,Y): [1:0-3-1,0-2-0], [7:0-5-0,0-4-8], [13:0-1-7,0-2-8], [16:0-4-0,0-4-8], [21:0-3-4,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.48	Vert(LL)	-0.19	15-16	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.67	Vert(TL)	-0.50	15-16	>860	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.93	Horz(TL)	0.09	13	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.17	15-16	>999	240	Weight: 808 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except*
W1,W3,W12: 2 X 4 SYP No.2
SLIDER Left 2 X 4 SYP No.2 2-6-0, Right 2 X 4 SYP No.2 2-3-2

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-8-8 oc purlins.
BOT CHORD 4-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 7-19
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 1=1611/0-1-8 (input: 0-7-10), 13=3770/0-2-4 (input: 0-7-10), 20=10060/0-5-15 (input: 0-4-0)
Max Horz 1=-45(LC 6)
Max Uplift 1=-494(LC 5), 13=-1071(LC 4), 20=-2680(LC 3)
Max Grav 1=1638(LC 9), 13=3783(LC 10), 20=10060(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3905/1186, 2-3=-3817/1196, 3-4=-1750/510, 4-24=-1637/509, 24-25=-1637/509, 5-25=-1637/509, 5-26=-691/2696, 26-27=-691/2696, 27-28=-691/2696, 6-28=-691/2696, 6-29=-1328/4970, 29-30=-1328/4970, 30-31=-1328/4970, 7-31=-1328/4970, 7-32=-4771/1276, 32-33=-4771/1276, 33-34=-4771/1276, 8-34=-4771/1276, 8-35=-7692/2093, 35-36=-7692/2093, 36-37=-7692/2093, 9-37=-7692/2093, 9-38=-7747/2152, 38-39=-7747/2152, 10-39=-7747/2152, 10-11=-8090/2214, 11-12=-9564/2733, 12-13=-9635/2728
BOT CHORD 1-40=-1123/3602, 23-40=-1123/3602, 23-41=-1123/3602, 41-42=-1123/3602, 22-42=-1123/3602, 22-43=-1868/554, 43-44=-1868/554, 44-45=-1868/554, 21-45=-1868/554, 21-46=-7177/1978, 46-47=-7177/1978, 47-48=-7177/1978, 20-48=-7177/1978, 19-20=-7177/1978, 19-49=-13/289, 49-50=-13/289, 18-50=-13/289, 18-51=-13/289, 17-51=-13/289, 17-52=-1435/5670, 52-53=-1435/5670, 53-54=-1435/5670, 16-54=-1435/5670, 16-55=-2051/7857, 55-56=-2051/7857, 56-57=-2051/7857, 15-57=-2051/7857, 15-58=-2511/8929, 58-59=-2511/8929, 14-59=-2511/8929, 14-60=-2511/8929,

Repair Note:
All trusses must be in a un-deflected state. No loading or temporarily braced to no deflection. If conditions change from above notify truss manufacturer. Do not damage existing plate unless otherwise noted.

8/10/10

Robert Wall, PE, FL Reg. No.

ds

#328689

BL10-004

A S and E, Inc.

Florida
24710 State Road 54
Lutz, Florida 33559
1-813-948-2812 FAX : 1-813-949-2016
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E-Mail: office@asande.com
Designers and engineers since 1965

TRUSS REPAIR COVERSHEET

Job Number	Date Received	Checked By	Date Checked
328693	8.6.2010	LP	8.6.2010

- ☐ Hold (date) _____
- ☐ Number of Repairs 1
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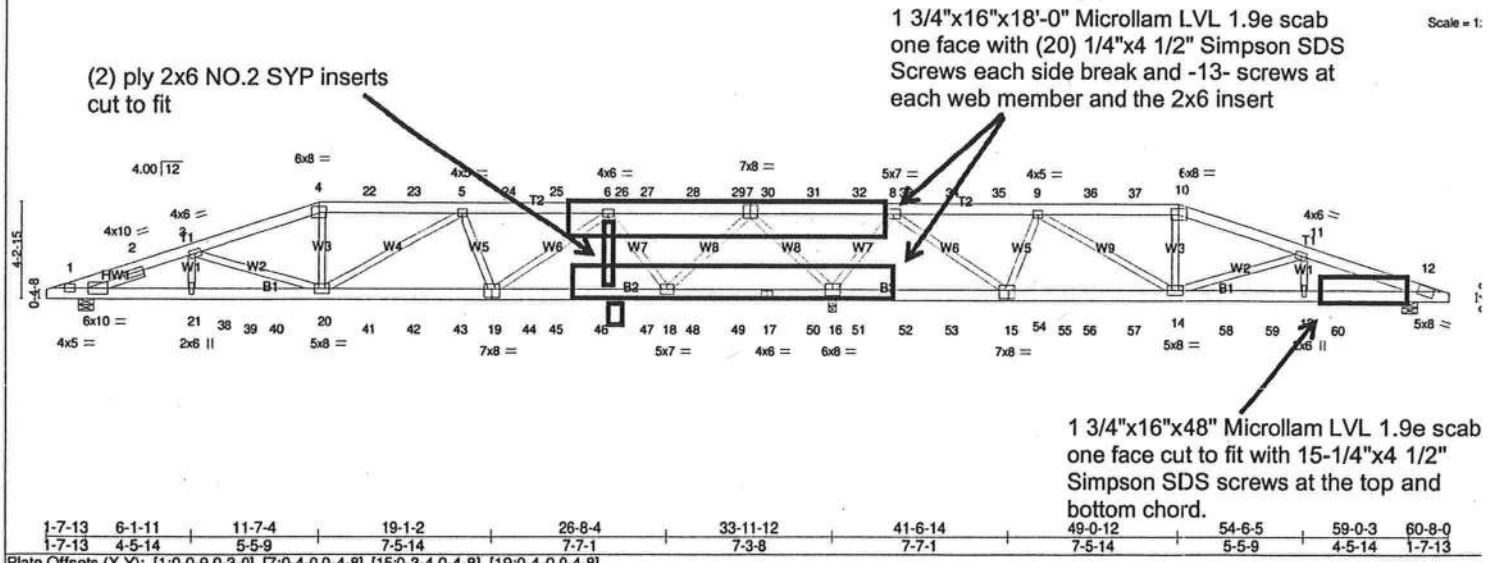
BFS - Lake City
Mailed Daily - Mail out regular mail

Job	Truss	Truss Type	Qty	Ply	New Fort White Branch Library
328693	T01A	HIP	1	2	Job Reference (optional)

Builders FrstSource, Lake City, FL 32055 — 7.110 s Dec 8 2008 MiTek Industries, Inc. Fri Aug 06 11:31:54 2010 Page

6-1-11	11-7-4	17-10-3	24-1-1	30-4-0	36-6-15	42-9-13	49-0-12	54-6-5	60-8-0
6-1-11	5-5-9	6-2-15	6-2-15	6-2-15	6-2-15	6-2-15	6-2-15	5-5-9	6-1-11

Scale = 1:



1-7-13	6-1-11	11-7-4	19-1-2	26-8-4	33-11-12	41-6-14	49-0-12	54-6-5	59-0-3	60-8-0
1-7-13	4-5-14	5-5-9	7-5-14	7-7-1	7-3-8	7-7-1	7-5-14	5-5-9	4-5-14	1-7-13

Plate Offsets (X,Y): [1:0-0-9,0-3-0], [7:0-4-0,0-4-8], [15:0-3-4,0-4-8], [19:0-4-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.56	Vert(LL)	-0.14	19-20	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.60	Vert(TL)	-0.35	19-20	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.89	Horz(TL)	0.07	12	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.12	19-20	>999	240	Weight: 791 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except* W1,W3,W9: 2 X 4 SYP No.2
SLIDER Left 2 X 4 SYP No.2 2-6-0

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 4-0-0 oc bracing.

REACTIONS (lb/size) 1=3333/0-2-0 (input: 0-7-10), 12=2088/0-1-8 (input: 0-7-10), 16=10020/0-5-15 (input: 0-4-0)
Max Horz 1=45(LC 5)
Max Uplift 1=-952(LC 3), 12=-623(LC 4), 16=-2664(LC 3)
Max Grav 1=3350(LC 9), 12=2111(LC 10), 16=10020(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-8505/2418, 2-3=-8399/2422, 3-4=-6786/1860, 4-22=-6491/1810, 22-23=-6491/1810, 5-23=-6491/1810, 5-24=-5705/1543, 24-25=-5705/1543, 25-26=-5705/1543, 6-26=-5705/1543, 6-27=-1004/251, 27-28=-1004/251, 28-29=-1004/251, 7-29=-1004/251, 7-30=-1976/7419, 30-31=-1976/7419, 31-32=-1976/7419, 8-32=-1976/7419, 8-33=-98/377, 33-34=-98/377, 34-35=-98/377, 9-35=-98/377, 9-36=-2960/869, 36-37=-2961/869, 10-37=-2961/869, 10-11=-3131/887, 11-12=-5258/1564
BOT CHORD 1-38=-2252/7875, 21-38=-2252/7875, 21-39=-2252/7875, 39-40=-2252/7875, 20-40=-2252/7875, 20-41=-1569/5996, 41-42=-1569/5996, 42-43=-1569/5996, 19-43=-1569/5996, 19-44=-715/2872, 44-45=-715/2872, 45-46=-715/2872, 46-47=-715/2872, 18-47=-715/2872, 18-48=-2971/848, 48-49=-2971/848, 17-49=-2971/848, 17-50=-2971/848, 16-50=-2971/848, 16-51=-4694/1299, 51-52=-4694/1299, 52-53=-4694/1299, 53-54=-4694/1299, 15-54=-4694/1299, 15-55=-74/497, 55-56=-74/497, 56-57=-74/497, 14-57=-74/497, 14-58=-1424/4867, 58-59=-1424/4867, 13-59=-1424/4867, 13-60=-1424/4867, 12-60=-1424/4867
WEBS 3-21=-383/1222, 3-20=-1534/589, 4-20=-355/1542, 5-20=-209/613, 5-19=-947/369, 6-19=-926/3582, 6-18=-3324/981, 7-18=-1420/5566, 7-16=-6411/1789, 8-16=-4818/1377, 8-15=-1435/5506, 9-15=-2227/708, 9-14=-794/2944, 10-14=-78/514, 11-14=-2044/722, 11-13=-400/1290

NOTES (14-16)
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 6 - 2 rows at 0-7-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-7-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
5) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by WTCA and TPI. For project specific guidance, consult with project engineer/architect/general contractor. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

Repair Note:
All trusses must be in a un-deflected state. No loading or temporarily braced to no deflection. If conditions change from above notify truss manufacturer. Do not damage existing plate unless otherwise noted.

8/6/10

Robert Wall, PE, FL Reg. No. 46021
A S and E, Inc
CA 7882

PETER R. BROWN CONSTRUCTION, INC.
CONSTRUCTION MANAGERS • GENERAL CONTRACTORS • DESIGN BUILDERS
1424 PIEDMONT DRIVE EAST • TALLAHASSEE, FL 32308-7956
(850) 668-4498 • FAX (850) 668-6790

LETTER OF TRANSMITTAL

DATE 11/23/10	JOB NO.
ATTENTION	
RE: Fort White Library	

TO Columbia County Bldg Dept.
Todd or Harry
Fax # 386-758-2160

WE ARE SENDING YOU ☐ Attached ☐ Under separate cover via _____ the following items:
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COPIES	DATE	NO.	DESCRIPTION
1	11/23/10		SK-15 dated 11/23/10

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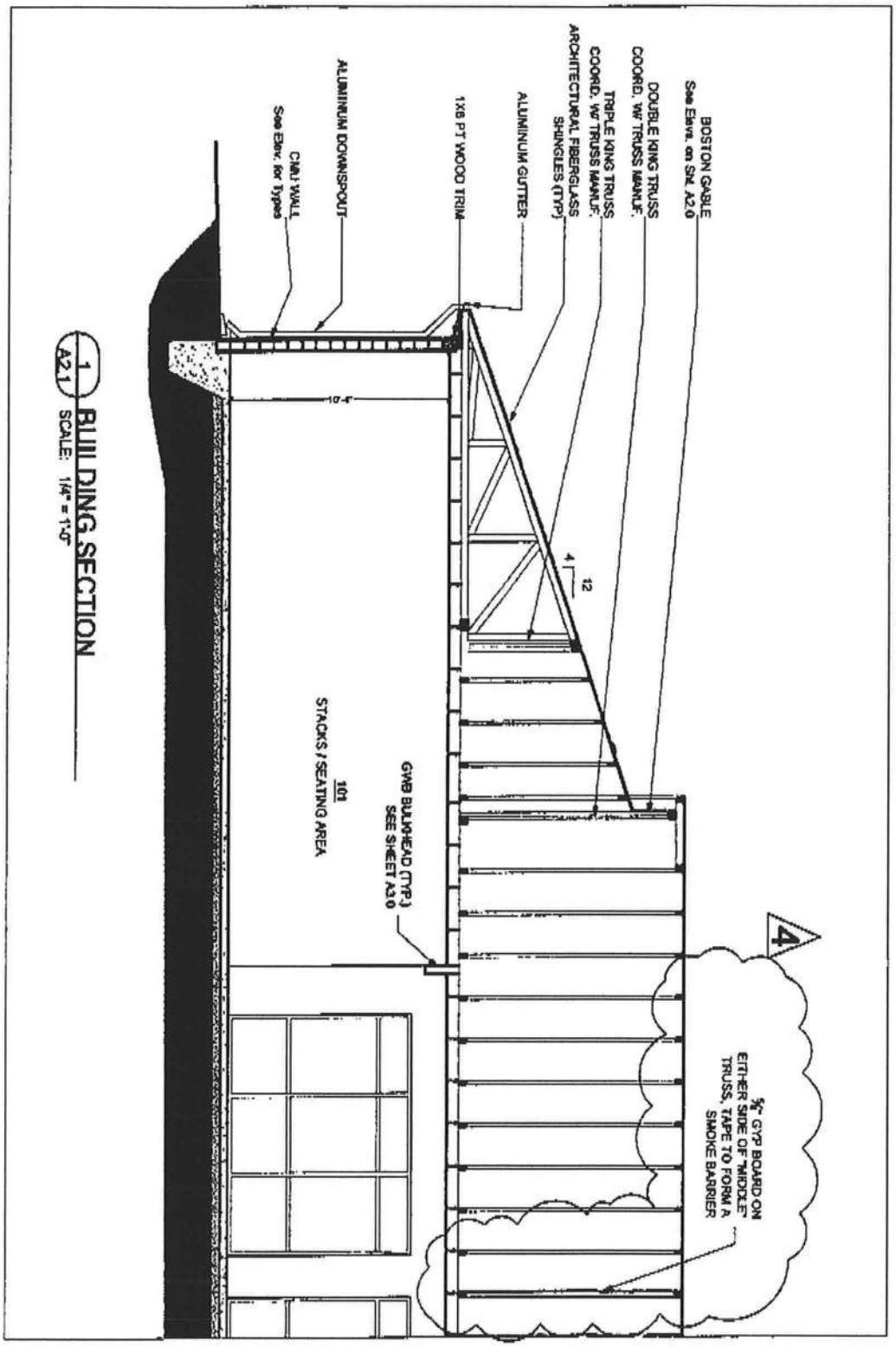
REMARKS Please find attached revised SK-15 for the Fort White library.
If you have any additional questions please call me at 850-251-5458.

Thanks,
TBrodes

COPY TO _____

SIGNED: _____



1 A2.1 BUILDING SECTION
SCALE: 1/4" = 1'-0"

AKIN & ASSOCIATES ARCHITECTS, INC. 2603 W. Tharpe St. Suite A Tallahassee, FL. 32303 Phone: 850-385-2546 Fax.: 850-385-7063	Sketch No.: SK-15 Ref. Sht. No.: A2.1	NEW FT. WHITE BRANCH LIBRARY FT. WHITE, FLORIDA Revision No.: 4 Date: 11/23/10

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 28-6S-16-03967-004 **Building permit No.** 000028689

Use Classification COMM LIBRARY **Fire:** 0.00

Permit Holder ALLEN FRANKLIN **Waste:**

Owner of Building COLUMBIA COUNTY (FT WHITE LIBRARY) **Total:** 0.00

Location: 17700 SW SR 47, FT WHITE, FL 32038

Date: 12/27/2010

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

REPORT OF GEOTECHNICAL EXPLORATION

Ft. White Public Library
SR 47 & Koonhollow Gln
Ft. White, Columbia County, Florida
CTI Project No. 09-00436-01

- Prepared For -
Columbia County Board of County Commissioners
P.O. Drawer 1529
Lake City, Florida 32056

- Prepared by -
Cal-Tech Testing, Inc.
P.O. Box 1625
Lake City, Florida 32056-1625

November 6, 2009

Cal-Tech Testing, Inc.
- Engineering
- Geotechnical
- Environmental

LABORATORIES

P.O. Box 1625 • Lake City, FL 32056 | Tel. (386) 755-3633 • Fax (386) 752-5456
4784 Rosselle Street • Jacksonville, FL 32254 | Tel. (904) 381-8901 • Fax (904) 381-8902

November 6, 2009

Columbia County Board of County Commissioners
P.O. Drawer 1529
Lake City, Florida 32026

Attention: Mr. Ben Scott, Purchasing Director

Reference: Report of Geotechnical Exploration
Ft. White Public Library - SR 47 & Koonhollow Gln
Ft. White, Columbia County, Florida
Cal-Tech Project No. 09-00436-01

Dear Mr. Scott:

Cal-Tech Testing, Inc. (CTI) has completed the geotechnical exploration and engineering evaluation for the proposed Ft. White Public Library. Our work was planned and performed in general accordance with our proposal dated October 22, 2009. Authorization for this work was provided by you on October 27, 2009. This report briefly outlines our understanding of the planned construction, describes the field exploration, presents the collected data, and provides our geotechnical engineering evaluation of the subsurface conditions with respect to the planned construction. Also included in this report are our recommendations for the design and construction of the proposed library.

INTRODUCTION

The purpose of this exploration was to develop information to evaluate the site and subsurface conditions and to present site preparation recommendations and foundation support for the proposed library building. This report describes our field activities and presents our findings and recommendations. The services rendered by CTI during the course of this exploration can be summarized as follows:

1. Performed a brief site reconnaissance;
2. Planned and performed a total of 4 Standard Penetration Test (SPT) borings each extending 20 feet below the existing ground surface;
3. Reviewed available data such as results of similar exploration and published data including the U.S.G.S. Quadrangle map, and the Geologic Map of Florida for this area.
4. Reviewed and analyzed gathered data in order to evaluate the subsurface conditions with respect to the proposed construction.

5. Prepared this report, which includes the results of our field exploration as well as our recommendations with respect to foundation design, foundation related site work, general site development, and quality control.

SITE & PROJECT INFORMATION

The subject site is located on the north side of Koonhollow Gln approximately 650 feet west of State Road No. 47 in Ft. White, Columbia County, Florida. At the time of our site visit, the ground surface appears to have been recently cleared of trees and vegetations. The ground surface appears relatively level with no ponded water.

We have been furnished with an undated Site Plan prepared by GTC Design Group, LLC of Lake City, Florida. Based on available data, we understand the proposed development will consist of constructing a ±5,100 (88' by 58') one-story building for use as a public library with associated landscaped, parking and driveway areas. We have been instructed by Mr. Chad Williams, P.E. of GTC to limit our exploration to the proposed building area (i.e. pavement and driveway areas to be excluded). Structural loading information for the building is not available at this time; however, we anticipate that column loads will be no greater than 25 kips and wall loads no greater than 4 kips per lineal foot. We assume the building will be structural steel or CMU framed construction with concrete slab-on-grade. Existing grade elevations within the subject property range from about 70 to 75 feet at the northwestern and southeastern property corners, respectively. Existing ground surface elevation within the proposed building area is at ±71 feet. We understand the finished floor elevation will be near the existing elevations with cut/fill not to exceed 3 feet.

FIELD PROGRAM

The field program consisted of performing a total of four (4) SPT borings each extending 20 feet below the existing ground surface. The SPT borings were performed at the approximate building corners as shown on the attached Field Exploration Plan. These locations were determined in the field and measured by tape and approximating right angles from existing features (property corners). Therefore, the borings location should be considered only as accurate as the means and methods by which they were obtained.

Sampling and penetration procedures of the SPT borings were accomplished in general accordance with ASTM D-1586, "*Penetration Test and Split-Barrel Sampling of Soils*", using a power rotary drill rig. The standard penetration tests were performed by driving a standard 1-3/8" I.D. and 2" O.D. split spoon sampler with a 140 pound hammer falling 30 inches. The number of hammer blows required to drive the sampler a total of 18 inches, in 6 inch increments, were recorded. The penetration resistance or "*N*" value is the summation of the last two 6 inch increments and is illustrated on the attached boring logs adjacent to their corresponding sample depths. The penetration resistance is used as an index to derive soil parameters from various empirical correlations. The borings were performed using a BK-51 drill rig equipped with a manual hammer.

The attached record of boring logs presents the descriptions of the subsurface conditions encountered at the time of our field program, and also provide the penetration resistances recorded during the drilling and sampling process. The stratification lines and depth designations on the boring record represent the approximate boundaries between the various soils encountered. In some cases, the transition between the various soils may be gradual.

SITE & SUBSURFACE CONDITIONS

General Area Geology/Sinkhole Potential

Published information regarding the geology in this area of Columbia County indicates the site is situated within the Undifferentiated Quaternary Sediments (Qu) of the Pleistocene and Holocene epochs. Typically, these sediments consist of siliciclastics, organics and freshwater carbonates. The siliciclastics are light gray, tan, brown to dark, unconsolidated to poorly consolidated, clean to clayey, silty, fossiliferous, variably organic-bearing sands to blue green to olive green, poorly to moderately consolidated, sandy, silty, clays. Freshwater carbonates "*marls*" are buff colored to tan, unconsolidated to poorly consolidated, fossiliferous (mollusks) carbonate muds containing organics.

The limestone in this area consists of carbonate rock and its weathered residuum. Surface soil mantle is typically characterized by sands, sandy clays, or clays. In this area of Columbia County, Florida, the limestone is marked by solution features (sinkholes) associated with *karst* terrains. Areas underlain by karst terrains are prone to sinkhole activities, these sinkholes are primarily caused by an advanced state of internal soil erosion or raveling action, which under certain circumstances can lead to ground subsidences. This internal soil erosion is a very slow process by which soil particle usually migrate under the influence of a hydraulic gradient to underlying karsted and/or fractured limestone formation. There are several indicators generally associated with an advanced state of long term internal soil erosion such as noticeable surface depressions and/or very loose to soft soil zones just above the rock formation.

The USGS Map Series No. 110, Sinkhole Type, Development, and Distribution in Florida dated 1985 identifies the site within Area I. In this document, Area I consists of ground with bare or thinly covered limestone. Gradually developed solution sinkholes are few, broad and shallow. A brief review of the Sinkhole Database issued by the Florida Geological Survey indicates a number of "*reported*" sinkhole occurrences within 1 mile radius of the subject site.

General Statements About Carbonate Terrains

Our site observation at the time of drilling and results of the test borings did not reveal presence of active sinkholes within the explored areas. However, it must be understood that this exploration was not intended to predict or preclude future sinkholes from occurring or developing at this site or within the vicinity of the subject site. We note that major topographic changes in surface or groundwater patterns in carbonate terrains can sometimes induce sinkholes. Therefore, it is recommended the site grades should follow the existing topography as much as

possible. In addition, no water wells should be installed within the site influence area, as pumping from these wells will cause groundwater fluctuations and may induce sinkholes.

Subsurface Soil Conditions

In general, the soil profile as disclosed by SPT borings B-1 through B-4 initially consisted of about 6 to 9 inches of brown silty fine sand with organics (TOPSOIL) underlain by about 2½ to 3½ feet of gray to tan fine sand with silt (SP-SM), about 1 to 7 feet of yellowish tan fine sand (SP), about 7 to 10½ feet of reddish brown with light gray mottles clayey sand (SC), about 4½ feet of light gray silty clayey sand (SC-SM), and about 1 to 4 feet of light gray and reddish brown sandy clay (CL). Typically, the sandy soils vary from very loose to medium dense in relative density with standard penetration resistance or "*N*" values ranging from 3 to 27 Blow Per Foot (BPF). The clay soils have "*N*" values ranging from 19 to 30 BPF indicating these soils to have a very stiff consistency. Refer to the attached record of boring logs for a more detailed description of the subsurface conditions encountered.

Groundwater

At the time of completion of drilling, the groundwater was not encountered in any of the test borings. It must be noted that due to the relatively short time frame of the field exploration, the groundwater may not have had sufficient time to stabilize. For a true groundwater level reading, piezometers may be required. In any event, fluctuation in groundwater levels should be expected due to seasonal climatic changes, construction activity, rainfall variations, surface water runoff, and other site-specific factors.

RECOMMENDATIONS FOR FOUNDATION DESIGN & SITE PREPARATION

Foundation Support

The test borings indicated the presence of very loose soils within the upper 4 feet of the existing ground surface (may be due to recent site clearing of trees and vegetations). The majority of these soils are considered suitable for reuse as structural fill, however, they are not considered acceptable for the support of the proposed building in their current conditions. To improve the density of the supporting soils, the upper 3 feet of the site soils within the building and pavement areas (including 5 feet outside the perimeter of the building) should be overexcavated and recompacted as indicated herein.

Provided the foundation and site soils are prepared in accordance with the guidelines presented in this report, it is our opinion the proposed structure may be supported on a conventional shallow foundation system. The shallow foundation may be designed for an allowable bearing pressure of 2,500 pounds per square foot (psf) or less on recompacted soils or newly placed structural fill.

In using net pressures, the weight of the footing and backfill over the footing need not be considered. Only loads applied at or above final grade need to be used for dimensioning footings. However, wall bearing footings should be designed with a minimum width of 18 inches, while the individual column footings should have minimum dimensions of 2 feet by 2 feet.

Settlement Analyses

Actual magnitude of settlement that will occur beneath foundations will depend upon variations within the subsurface soil profile, actual structural loading conditions, embedment depth of the footings, actual thickness of compacted fill or cut, and the quality of the earthwork operations. Assuming the foundation related site work and foundation design is completed in accordance with the enclosed recommendations, we estimate the total settlement of the structure will be on the order of 1 inch or less. Differential settlements (between adjacent columns or along the length of a continuous wall footing) should be approximately one-half of the total settlement. This settlement is primarily the result of elastic compression of the upper looser sands, and should occur almost immediately following the application of the structural dead load during construction.

Uplift Resistance

Under wind loading conditions, the foundations will likely be subjected to uplift forces. To resist these forces, it may be necessary to increase the footing size (thus increasing the dead weight) or lower the footing to mobilize additional soil weight above the footing. Uplift resistance from the soil may be evaluated as the weight of the soil directly above the footing, plus the shearing resistance along the vertical face of the soil prism. Alternately, the available soil uplift resistance may be calculated as the weight of the soil prism defined by the diagonal line drawn from the top of the footing to the ground surface at an angle of 30 degrees with the vertical. We recommend that a total unit weight of 100 pcf (compacted to 95% of the modified Proctor maximum dry density) be used for well-compacted, suitable fill. Should the bottom of any structure be below the stabilized seasonal-high groundwater level, these structures must be properly designed to resist the resulting uplift forces due to hydrostatic pressures.

Lateral Resistance

Lateral loads created by wind may be resisted by the passive pressure of the soil acting against the side of the individual footings and/or the friction developed between the base of the foundation system and the underlying soils. For compacted backfill and/or in-situ material, the passive pressure may be taken as an equivalent to the pressure exerted by a fluid weighing 300 pcf for above the groundwater table and 113 pcf below water level. A coefficient of friction equal to 0.4 may be used for calculating the frictional resistance at the base of the shallow footings. The resistance values discussed herein are based on the assumption that the foundations can withstand horizontal movements on the order of ¼ inch. Lateral resistance determined in accordance with the recommendations provided herein should be considered the total available resistance. Consequently, the design should include a minimum factor of safety of 1.5.

Lateral Earth Pressures

Generally, retaining walls (if any planned for the subject site) will be subjected to "at-rest" or "active" pressures. Retaining walls that are restrained at the top will be subject to "at-rest" pressures due to their restricted movement. The "at-rest" pressures may be calculated as the equivalent pressure exerted by a fluid density of 50 pcf. Where walls are not restrained at the top and thus allowed sufficient movement to mobilize "active" pressures, an equivalent fluid density of 33 pcf should be used in the design. These values may be used only for walls above the groundwater table. The presence of any groundwater due to surface water intrusion should be handled with the use of a drainage layer behind the walls with a collection pipe discharging accumulated water away from the walls. If this is not practical, then the hydrostatic pressure due to water should be included in the design of the walls.

Drainage Considerations

Adequate drainage should be provided at the site to minimize increase in moisture content of the foundation soils. Excessive moisture can significantly reduce the soils bearing capacity and contribute to foundation settlement. For the protection of the foundation soils, we recommend the ground water surface be sloped away from all proposed structures.

Floor Slab

All unsuitable material (such as topsoil, organics, etc.) located within the building area (including 5 feet outside the perimeter of the building) should be overexcavated and removed. As previously indicated, the upper 3 feet of the existing site soils will require overexcavation and recompaction as indicated herein. After proper preparation of the near surface soils, the exposed subgrade should then be recompacted and proofrolled with a fully-loaded, tandem-axle dump-truck or similar pneumatic-tired equipment. Provided the recompaction and proofrolling operations do not indicate significant deflecting or pumping of the existing subgrade, the floor slab may be designed as a slab-on-grade. Any soft or loose soils found during the proofrolling operation should be undercut and/or replaced with suitable, well-compacted, engineered fill.

Floor slabs should be supported on at least 4 inches of relatively clean granular material, such as sand, sand and gravel, or crushed stone. This is to help distribute concentrated loads and equalize moisture beneath the slab. This granular material should have 100 percent passing the 1½ -inch sieve and a maximum of 10 percent passing the No. 200 sieve.

Based upon the soil conditions encountered at the subject site, the anticipated fill placement, and the recommended site preparation operations presented in this report, a modulus of vertical subgrade reaction (k) for the slab bearing soils of 150 pounds per square inch per inch of vertical deflection (pci) may be used.

Exposed Subgrade

Following excavations, all exposed soils in the building and pavement areas should be compacted with overlapping passes of a relatively heavy weight vibratory drum roller having a total operating static weight (weight of fuel and water included) of at least 10 tons and a drum diameter of 5 feet. All exposed surfaces should be compacted to a minimum of 95 percent of the modified Proctor maximum dry density (ASTM D-1557) to a depth of at least 12 inches below the compacted surface.

Structural Fill/Backfill

Structural fill should be placed in thin loose lifts not exceeding 12 inches in thickness and compacted with a heavy roller as described above. For walk-behind equipment, a maximum loose lift thickness of 6 inches is recommended. Each lift should be thoroughly compacted with the vibratory roller to provide densities equivalent to at least 95 percent of the modified Proctor maximum dry density (ASTM D-1557). Structural fill should consist of an inorganic, non-plastic, granular soil containing less than 10 percent material passing the No. 200 mesh sieve (relatively clean sand with a Unified Soil Classification of SP or SP-SM).

Due to the varying density of the upper soils, it is recommended the exposed subgrade be proofrolled and proof-compacted to a depth of 4 feet below the existing grade prior to concrete placement (including bottom of footings and slab areas). This may require the overexcavation and recompaction of the upper 3 feet of the existing soils. All soils should be proof-compacted to a minimum of 95% of the modified Proctor maximum dry density (ASTM D- 1557).

Report Limitations

This report has been prepared for the exclusive use of **Columbia County Board of County Commissioners, Florida** for the specific application to the project discussed herein. Our conclusions and recommendations have been rendered using generally accepted standards of geotechnical engineering practice in the State of Florida, no other warranty is expressed or implied. CTI is not responsible for the interpretations, conclusions, opinions, or recommendations of others based on the data contained herein. We note that assessment of environmental conditions at the site was beyond the scope of this exploration. Field observations, monitoring, and quality assurance testing during earthwork and foundation installation are an extension of the geotechnical design. We recommend that the owner retain these services and that CTI be allowed to continue our involvement in the project through these phases of construction. During construction, we accept no responsibility for job site safety.

Closing

We appreciate the opportunity to work with you on this project, and look forward to serving as your geotechnical and construction materials testing consultant for the remainder of this and future projects. Should you have any questions and/or comments concerning this report, please contact our office at 386-755-3633.

Respectfully submitted,
Cal-Tech Testing, Inc.

David B. Brown
Executive Vice President

11/6/09
Nabil O. Hmeidi, P.E.
Senior Geotechnical Engineer
Licensed, Florida No. 57842

Distribution: *File (1 copy)*
Addressee (3 bound copies)

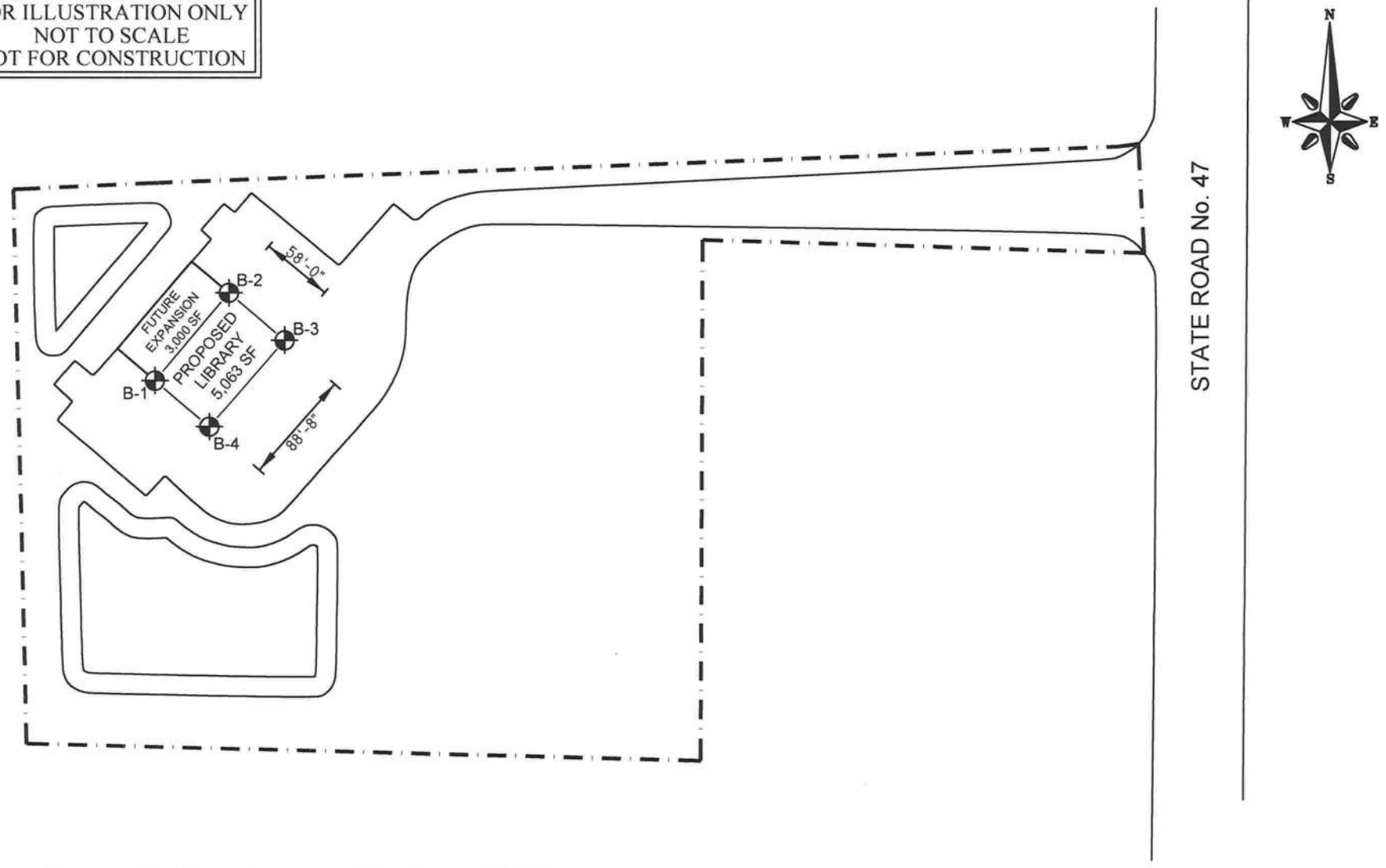
Attachments: *Vicinity Map (1 page)*
Field Exploration Plan (1 pages)
Record of Boring Logs (4 pages)
Unified Soil Classification System (1 page)
Key To Test Data (1 page)

ATTACHMENTS

CAL-TECH TESTING, INC. **P.O. Box 1625** **Lake City, Florida 32056-1625** **Phone: (386) 755-3633** **Fax: (386) 752-5456**	**VICINITY MAP** **Ft. White Public Library** **SR 47 & Koonhollow Gln** **Ft. White, Columbia County, Florida** **Cal-Tech Testing Project No. 09-00436-01**

Figure 1

FOR ILLUSTRATION ONLY
NOT TO SCALE
NOT FOR CONSTRUCTION



⊕ STANDARD PENETRATION TEST BORINGS PERFORMED BY CTI ON NOVEMBER 05, 2009

GEOTECHNICAL EXPLORATION
FT. WHITE PUBLIC LIBRARY
SR 47 & KOONHOLLOW GLN
FT. WHITE, COLUMBIA COUNTY, FLORIDA

CAL-TECH TESTING, INC.
P.O. Box 1625
Lake City, Florida 32056-1625
Phone: (386) 755-3633
Fax: (386) 752-5456

FIELD EXPLORATION PLAN

Project No. 09-00436-01		DATE: 11-06-2009	FIGURE: 2
	APPROVED:		SCALE: N.T.S.

CAL-TECH TESTING, INC.
3309 SW SR 247
Lake City, Florida 32024
Telephone: (386) 755-3633
Fax: (386) 752-5456

BORING NUMBER B-1

CLIENT Columbia County Board of County Commissioners
PROJECT NAME Ft. White Public Library
PROJECT NUMBER 09-00436-01
PROJECT LOCATION SR 47 & Koon Hollow Road, Columbia County, FL
DATE STARTED 11/05/09 **COMPLETED** 11/05/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Cal-Tech Testing, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Continuous Flight Auger/Split Spoon
AT TIME OF DRILLING ---
LOGGED BY N.H. **CHECKED BY** _____
AT END OF DRILLING --- Not Encountered
NOTES BK-51 (manual hammer)
AFTER DRILLING ---

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD %)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)
0		Brown, silty fine sand with organics (TOPSOIL)					
		LOOSE, gray to tan, fine sand with silt (SP-SM)	SPT 1		3-3-2 (5)		
			SPT 2		2-1-2 (3)		
5		LOOSE, yellowish tan, fine sand (SP)	SPT 3		2-2-2 (4)		
		LOOSE to MEDIUM DENSE, reddish brown with light gray mottles, clayey sand (SC)	SPT 4		3-4-5 (9)		
			SPT 5		4-4-5 (9)		
10			SPT 6		5-5-6 (11)		
15			SPT 7		5-6-6 (12)		
		VERY STIFF, light gray and reddish brown, sandy clay (CL)					
20			SPT 8		6-9-10 (19)		

▲ SPT N VALUE ▲
20 40 60 80
PL MC LL
20 40 60 80
☐ FINES CONTENT (%) ☐
20 40 60 80

Bottom of borehole at 20.0 feet.

CAL-TECH TESTING, INC.
3309 SW SR 247
Lake City, Florida 32024
Telephone: (386) 755-3633
Fax: (386) 752-5456

BORING NUMBER B-2

CLIENT Columbia County Board of County Commissioners
PROJECT NAME Ft. White Public Library
PROJECT NUMBER 09-00436-01
PROJECT LOCATION SR 47 & Koon Hollow Road, Columbia County, FL
DATE STARTED 11/05/09 **COMPLETED** 11/05/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Cal-Tech Testing, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Continuous Flight Auger/Split Spoon
AT TIME OF DRILLING ---
LOGGED BY N.H. **CHECKED BY** _____
AT END OF DRILLING --- Not Encountered
NOTES BK-51 (manual hammer)
AFTER DRILLING ---

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD %)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)
0		Brown, silty fine sand with organics (TOPSOIL)					
		LOOSE, gray to tan, fine sand with silt (SP-SM)	SPT 1		3-3-4 (7)		
			SPT 2		2-3-3 (6)		
5		LOOSE, yellowish tan, fine sand (SP)	SPT 3		1-2-2 (4)		
			SPT 4		2-3-4 (7)		
		MEDIUM DENSE, reddish brown with light gray mottles, clayey sand (SC)	SPT 5		4-4-6 (10)		
			SPT 6		6-8-11 (19)		
10							
			SPT 7		8-11-14 (25)		
15							
		VERY STIFF, light gray and reddish brown, sandy clay (CL)	SPT 8		6-10-12 (22)		
20							

▲ SPT N VALUE ▲
20 40 60 80
PL MC LL
20 40 60 80
☐ FINES CONTENT (%) ☐
20 40 60 80

Bottom of borehole at 20.0 feet.

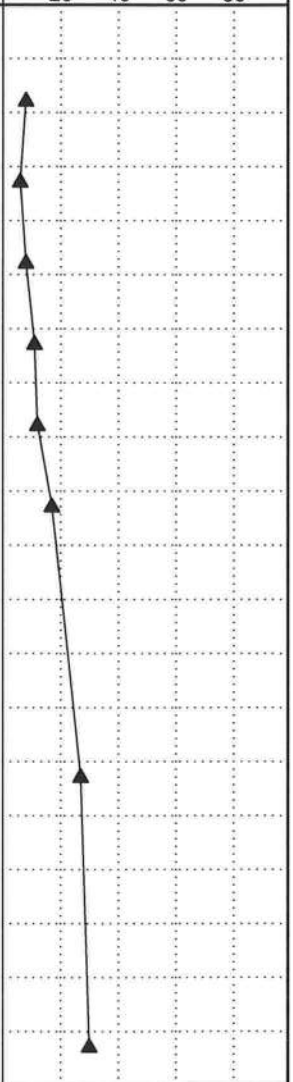
CAL-TECH TESTING, INC.
3309 SW SR 247
Lake City, Florida 32024
Telephone: (386) 755-3633
Fax: (386) 752-5456

BORING NUMBER B-3

CLIENT Columbia County Board of County Commissioners
PROJECT NAME Ft. White Public Library
PROJECT NUMBER 09-00436-01
PROJECT LOCATION SR 47 & Koon Hollow Road, Columbia County, FL
DATE STARTED 11/05/09 **COMPLETED** 11/05/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Cal-Tech Testing, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Continuous Flight Auger/Split Spoon
AT TIME OF DRILLING ---
LOGGED BY N.H. **CHECKED BY** _____
AT END OF DRILLING --- Not Encountered
NOTES BK-51 (manual hammer)
AFTER DRILLING ---

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD %)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)
0		Brown, silty fine sand with organics (TOPSOIL)					
		LOOSE, gray to tan, fine sand with silt (SP-SM)	SPT 1		4-4-4 (8)		
		LOOSE, yellowish tan, fine sand (SP)	SPT 2		3-3-3 (6)		
5			SPT 3		4-4-4 (8)		
		MEDIUM DENSE, reddish brown with light gray mottles, clayey sand (SC)	SPT 4		4-5-6 (11)		
			SPT 5		4-5-7 (12)		
10			SPT 6		7-8-9 (17)		
		MEDIUM DENSE, light gray silty clayey sand (SC-SM)	SPT 7		10-12-15 (27)		
15							
		VERY STIFF, light gray and reddish brown, sandy clay (CL)	SPT 8		8-13-17 (30)		
20							

▲ SPT N VALUE ▲
20 40 60 80
PL MC LL
20 40 60 80
☐ FINES CONTENT (%) ☐
20 40 60 80



Bottom of borehole at 20.0 feet.

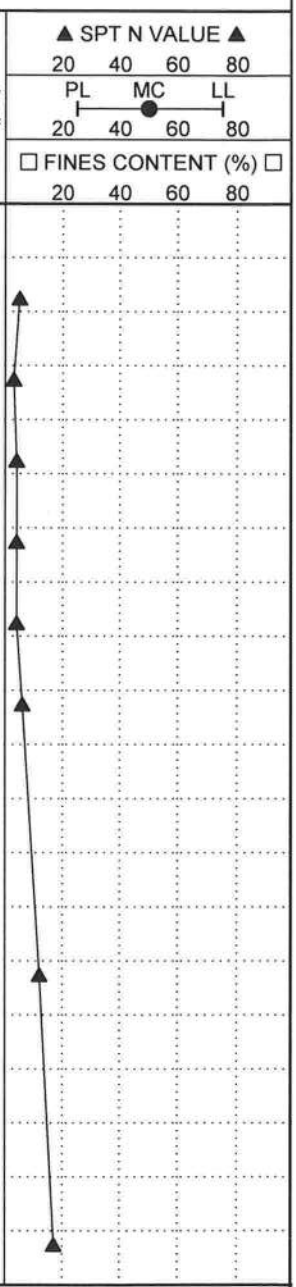
CAL-TECH TESTING, INC.
3309 SW SR 247
Lake City, Florida 32024
Telephone: (386) 755-3633
Fax: (386) 752-5456

BORING NUMBER B-4

CLIENT Columbia County Board of County Commissioners
PROJECT NAME Ft. White Public Library
PROJECT NUMBER 09-00436-01
PROJECT LOCATION SR 47 & Koon Hollow Road, Columbia County, FL
DATE STARTED 11/05/09 **COMPLETED** 11/05/09
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Cal-Tech Testing, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Continuous Flight Auger/Split Spoon
AT TIME OF DRILLING ---
LOGGED BY N.H. **CHECKED BY** _____
AT END OF DRILLING --- Not Encountered
NOTES BK-51 (manual hammer)
AFTER DRILLING ---

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD %)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)
0		Brown, silty fine sand with organics (TOPSOIL)					
		LOOSE, gray to tan, fine sand with silt (SP-SM)	SPT 1		3-2-3 (5)		
			SPT 2		2-1-2 (3)		
5		LOOSE, yellowish tan, fine sand (SP)	SPT 3		1-2-2 (4)		
			SPT 4		1-2-2 (4)		
			SPT 5		1-2-2 (4)		
10			SPT 6		2-3-3 (6)		
		MEDIUM DENSE, reddish brown with light gray mottles, clayey sand (SC)					
			SPT 7		5-3-9 (12)		
15							
			SPT 8		6-8-9 (17)		
20							

Bottom of borehole at 20.0 feet.



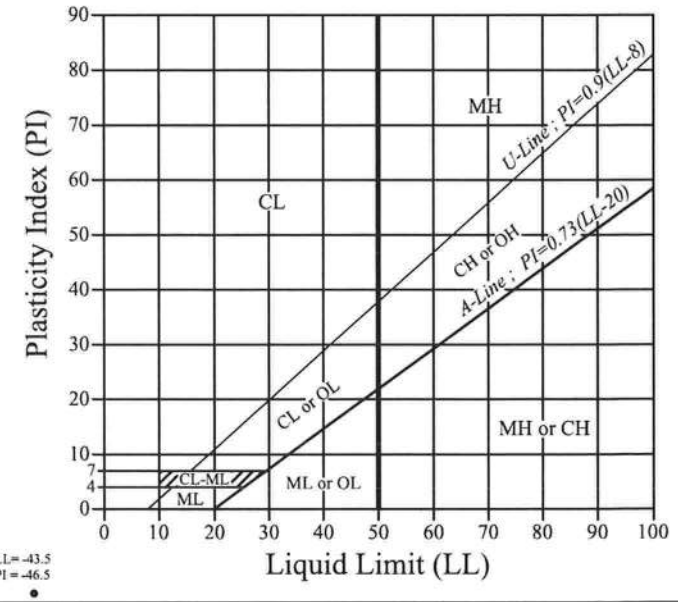
UNIFIED SOIL CLASSIFICATION SYSTEM
ASTM DESIGNATION D-2487

MAJOR DIVISIONS			GROUP SYMBOL	TYPICAL NAMES	LABORATORY CLASSIFICATION CRITERIA
COARSE GRAINED SOILS (More than half of the material is larger than No. 200 sieve)	Gravels (more than half of the coarse fraction is larger than No. 4 sieve)	Clean gravels	GW	Well-graded gravels, gravel-sand mixtures, little or no fines.	$C_u = \frac{D_{60}}{D_{10}} > 4 \;;\; 1 < C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}} < 3$
			GP	Poorly graded gravels, gravel-sand mixture, little or no fines.	Not meeting all gradation requirments of GW
		Gravel with fines	GM	Silty gravels, gravel-sand-silt mixtures.	Atterberg Limits below A-Line or PI less than 4 — Above A-Line with PI between 4 and 7 are borderline cases requiring the use of dual symbols.
			GC	Clayey gravels, gravel-sand-clay mixtures.	Atterberg Limits above A-Line or PI greater than 7
	Sands (more than half of the coarse fraction is smaller than No. 4 sieve)	Clean sands	SW	Well-graded sands, gravelly sands, little or no fines.	$C_u = \frac{D_{60}}{D_{10}} > 6 \;;\; 1 < C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}} < 3$
			SP	Poorly graded sands, gravelly sands, little or no fines.	Not meeting all gradation requirments of SW
		Sands with fine	SM	Silty sands, sand-silt mixtures.	Atterberg Limits below A-Line or PI less than 4 — Limits plotting in hatched zone with PI between 4 and 7 are borderline cases requiring the use of dual symbols.
			SC	Clayey sands, sand-clay mixtures.	Atterberg Limits above A-Line or PI greater than 7
FINE GRAINED SOILS (More than half of the material is finer than No. 200 sieve)	Silts and Clays (LL less than 50)		ML	Inorganic silts, very fine sands, rock flour, silty or clayey fine sands, or clayey silts with slight plasticity.	
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clay.	
			OL	Organic silts and organic silty clays of low plasticity.	
	Silts and Clays (LL greater than 50)		MH	Inorganic silts, micaceous or diato-maceous fine sandy or silty soils, elastic silts.	
			CH	Inorganic clays of high plasticity, fat clay.	
			OH	Organic clays of medium to high plasticity, organic silts.	
	Highly Organic Soils		Pt	Peat and other highly organic soils.	

Determine percentage of sand and gravel from grain size curve
Depending on percentage of fines (fraction smaller than No. 200 Sieve size), coarse grained soils are classified as follows:
Less than 5% ..... GW, GP, SW, SP
More than 12% ... GM, GC, SM, SC
5 to 12% ..... Borderline cases requiring dual symbols

PLASTICITY CHART

1. Plot intersection of PI as determined by the Atterberg Limits tests.
2. Points plotted above the A-Line indicate clay soils.
3. Points plotted below the A-Line indicate silt.



LL= -43.5
PI = -46.5

CAL-TECH TESTING, INC.
P.O. Box 1625
Lake City, Florida 32056-1625
Phone: 386-755-3633 Fax: 386-752-5456

5% Max. Passing the U.S. No. 200 Sieve ..... SP
5% - 12% Passing the U.S. No. 200 Sieve ..... SP-SM
12% - 50% Passing the U.S. No. 200 Sieve ..... SM/SC

KEY TO TEST DATA

STANDARD PENETRATION TEST:
Soil sampling and penetration testing is performed in accordance with ASTM D-1586. The standard penetration resistance ("*N*") is the number of blows of a 140-pound hammer falling 30 inches to drive a 2-inch O.D., 1.4-inch I.D. split spoon sampler one foot.

ROCK CORE DRILLING:
Rock sampling and core drilling is performed in accordance with ASTM D-2113. The rock quality designation percentage (RQD) is determined by summing only pieces of core that are at least 4 inches long, and dividing by the "run" length.

Relation of RQD and In-situ Rock Quality

RQD (%)	Rock Quality
90 -100	Excellent
75 - 90	Good
50 -75	Fair
25 - 50	Poor
0 - 25	Very Poor

RELATIVE DENSITY (SANDS):

Very loose - less than 4 blows/ft.
Loose - 5 to 10 blows/ft.
Medium - 11 to 30 blows/ft.
Dense - 31 to 50 blows/ft.
Very dense - over 50 blows/ft.

CONSISTENCY (SILTS & CLAYS):

Very soft - less than 2 blows/ft.
Soft - 3 to 4 blows/ft.
Medium stiff - 5 to 8 blows/ft.
Stiff - 9 to 15 blows/ft.
Very stiff - 16 to 30 blows/ft.
Hard - 31 to 50 blows/ft.
Very hard - over 50 blows/ft.

HARDNESS (ROCKS):

Soft - Rock core crumbles when handled.
Medium - Can break core with hands.
Moderately hard - Thin edges of rock core can be broken with fingers.
Hard - Thin edges of core can not be broken with fingers.
Very hard - Can not be scratched with knife.

GROUNDWATER:
Water levels shown on boring logs are taken immediately upon completion of boring, and are intended for general information. The apparent level may have been altered by the drilling process. Groundwater levels, if desired, can be monitored over a long time interval.

CAL-TECH TESTING, INC.
P.O. Box 1625
Lake City, Florida 32056-1625
Phone: 386-755-3633 Fax: 386-752-5456

5% Max. Passing the U.S. No. 200 Sieve ..... SP
5% - 12% Passing the U.S. No. 200 Sieve ..... SP-SM
12% - 50% Passing the U.S. No. 200 Sieve ..... SM/SC

SPECIFICATIONS

NEW FT. WHITE BRANCH LIBRARY

For:

COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS
135 NE Hernando Ave. Rm 208
Lake City, FL 32055
C/o Mr. Ben Scott, Purchasing Director

COLUMBIA COUNTY BUILDING DEPARTMENT
Received for FILE COPY
Code Compliance
PLANS EXAMINER

3-10-10

By:

Akin & Associates Architects
2603 West Tharpe Street, Suite A
Tallahassee, FL 32303

CONSTRUCTION DOCUMENTS, Released:
10 March 2010

SPECIFICATIONS
NEW FT. WHITE BRANCH LIBRARY

TABLE OF CONTENTS

DIVISION 13 **SPECIAL CONSTRUCTION (Not Used)**

DIVISION 14 **CONVEYING SYSTEMS (Not Used)**

DIVISION 15 **MECHANICAL (See Drawings)**

DIVISION 16 **ELECTRICAL (See Drawings)**

APPENDICES

"A" - Soil Boring Report (Geotechnical Exploration)

"B" - Icynene Spray Foam Insulation – Specifications/Cut Sheets

SECTION A

ADVERTISEMENT TO BID

COLUMBIA COUNTY, FLORIDA BOARD OF COMMISSIONERS
BID NO. 2009-Y

All State of Florida Licensed General Contractors that meets the requirements of Spec. Section "D" (Statement of Contractor's Qualification) are invited to bid on a General Contract for the Construction of a new Ft. White Branch Library in accordance with the Contract Documents. All bids must be a lump sum basis; segregated bids will not be accepted.

The Columbia County Board of County Commissioners will receive sealed bids until 10:00 a.m. local time on March 31, 2010. Bids received after this time will not be accepted. All interested parties are invited to attend the Bid Opening; Bids will be opened publicly and read aloud at the following location:

Columbia County Board of County Commissioners
Purchasing Department
135 NE Hernando Ave. Rm 208
Lake City, FL 32055

Drawings and Specifications may be obtained at the offices of Akin & Associates Architects, Inc. located at 2603 W. Tharpe Street, Suite A, Tallahassee, Florida 32303 (ph. 850-38502546) OR GTC Design Group, LLC 176 NW Lake Jeffery Road Lake City, FL 32055 (ph. 386-719-9985), in accordance with the Instructions to Bidders upon receipt of $75.00 payment per set. In order to manage the quantities of prints, bidders are asked to call in advance and indicate the number of sets they want. All materials furnished and all work performed shall be in accordance with Drawings and Specifications. Each Bid shall be addressed to:

Columbia County Board of County Commissioners
Purchasing Department
135 NE Hernando Ave. Rm 208
Lake City, FL 32055

and shall be marked:

1. Bids for: new Ft. White Branch Library
2. [Name of Bidder]
3. [Address of Bidder]
4. [City, State, Zipcode]
5. OWNER'S BID NO. 2009-Y

All bids shall be delivered by a representative of the Bidder or by registered mail with return receipt requested. Bid security in the amount of five percent of the Bid must accompany each Bid in accordance with the Instruction to Bidders.

In the event the Contract is awarded to the Bidder, Bidder shall, within ten (10) Owner business days after the award by the Owner of the Contract, furnish the required Performance and Payment Bonds; failing to do such, Bidder shall forfeit their bid guarantee as liquidated damages. The Performance and Payment Bonds shall be secured from any agency of a surety or insurance company, which agency shall have an established place of business in the State of

SECTION B

INSTRUCTION TO BIDDERS

PROCUREMENT OF BID DOCUMENTS

General Contractors may secure Bidding Documents at the address indicated in the advertisement for bids upon receipt of the required $75.00 payment. General Contractors are limited to two (2) sets each, and Trade Contractors are limited to one (1) set each. At the Bidder's written request, and upon receipt of payment, Bid Documents will be sent collect via UPS.

1. DEFINITIONS:

1.01 All definitions set forth in the General Conditions of the Contract for Construction are applicable to these Instructions to Bidders.

1.02 Bidding Documents include the Advertisement to Bid, Notice to Prospective Bidders, Instructions to Bidders, Statement of Contractor's Qualification, General Conditions, Bid Bond, Performance and Payment Bond, Proposal Form, and the proposed Contract Documents including any Addenda issued prior to receipt of bids.

1.03 Addenda are written or graphic instruments issued prior to the execution of the Contract which modify or interpret the bidding documents, clarifications or corrections. Addenda will become part of the Contract Documents when the Construction Contract is executed.

2. BIDDER'S REPRESENTATION:

2.01 Each bidder, by making his bid, represents that he has read and understands the bidding documents.

2.02 Each bidder, by making his bid, represents that he has visited the site and familiarized himself with the local conditions under which the Work is to be performed.

2.03 CRIME INFORMATION - A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public for the construction or repair of a public building or public work, may not submit bids on leases of real property to public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO for period of 36 months from the date of being placed on the convicted vendor list.

3. BIDDING PROCEDURES:

3.01 All bids must be prepared using the forms contained in these specifications and submitted in accordance with the Instruction to Bidders.

3.02 A bid is invalid if it has not been deposited at the designated location prior to the time and date for receipt of bids indicated in the advertisement or invitation to bid, or prior to any extension thereof issued to the bidders.

3.07 Modification of Bids: Bid Modifications will be accepted from Bidders if addressed to the Owner at the place where Bids are to be received (marked "Modification of Bid") and if received prior to the opening of the Bids. Modifications may be in written or telegraphic form. Modifications will be acknowledged by the Owner or the Architect before opening of formal Bids. Bid modifications written on the outside of the sealed Proposal envelope are acceptable when such notations are made and signed and dated by the Bidder prior to submittal for the bid. No notations may be made and signed by the Bidder after submittal of the bid. Modifications will be read by the Owner prior to opening of formal bids. It is the full responsibility of the Bidder to bring any Bid Modification to the attention of the person opening the bids at the time of opening of the affected bid.

3.08 Withdrawal of Bids: Bids may be withdrawn on written request received from bidders prior to the time fixed for opening. Such request shall be properly signed in accordance with the requirements pertaining to signatures contained on Page B-3, Paragraph 3.05(c). Negligence on the part of the bidder in preparing the bid confers no right for withdrawal of the bid after it has been opened.

3.09 Bid Guarantee - 5% (Total Bid - Base Bid Plus All Alternates) Bids shall be accompanied by a bid guarantee which shall be a Bid Bond (Signed or countersigned by a Florida Resident Insurance Agent), Cashier's Check, Certified Check (Certified Checks offered as Bid Guarantees must have Florida Documentary Stamps attached), or bank Draft, made payable to the COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS, FLORIDA. Such check or bond shall be submitted with the understanding that it shall guarantee that the Bidder will not withdraw their bid for a period of 60 consecutive calendar days after the scheduled closing time for the receipt of Bids; that, if this Bid is accepted, Bidder will enter into a formal contract with the Owner in accordance with the form of agreement included as part of the Contract Documents and that the required Performance Bond and Payment Bond will be given; and that, in the event of the withdrawal of Bid within said period, or failure to enter into said Contract and give said bond within eight (8) owner business days after Bidder has received notice of acceptance of their Bid; the Bidder shall be liable to the Owner for the full amount of the Bid guarantee as representing the damage to the Owner on account of the default of the Bidder in any particular thereof.

The Bid Guarantees in the form of checks shall be returned by mail to all except the three (3) lowest Bidders within fifteen (15) days after the formal opening of the Bids. The Owner reserves the right to hold the Bid Guarantee of the lowest three Bidders until after they have executed the Contract with the accepted Bidder and the Performance Bond and Payment and Material Bonds have been approved by the Owner.

If required Contract and Bonds have not been executed within 60 consecutive calendar days after the date of the opening of the bids, then the Bid Guarantee of any Bidder will be returned upon his request, provided Bidder has not been notified of the acceptance of their bid prior to the date of such request.

4. EXAMINATION OF DOCUMENTS AND SITE:

4.01 Each Bidder shall examine the Bidding Documents carefully; and, (7) days prior to the date for receipt of bids, Bidders shall make a written request to the Architect for interpretation or correction of any ambiguity, inconsistency or error which may be discovered. Any interpretations or corrections will be issued as addenda. The Architect and/or Owner shall not be responsible for oral clarifications.

not remove or replace subcontractors listed in the bid subsequent to the lists being made public at the bid opening, except upon good cause shown.

History. -s. 1, ch. 78-389.

6. REJECTION OF BIDS:

6.01 The Bidder acknowledges the right of the Owner to reject any or all bids and to waive any informality or irregularity in any bid received. In addition, the bidder recognizes the right of the Owner to reject a bid if the bidder failed to furnish any required bid security, or to submit the data required by the bidding documents, or if the bid is in any way incomplete or irregular; to reject the bid of a bidder who is not in a position to perform the contract; and to re-advertise for other or further bid proposals.

6.02 The Owner reserves the right to reject any or all bids when such rejection is in the interest of the Owner, and to reject the Bid of a Bidder who is not in a position to perform the Contract, or whose List of Subcontractors is improperly prepared, or not included in the Bid proposal.

END OF SECTION B

SECTION C

BID FORM

SUBMIT IN DUPLICATE ON CONTRACTOR'S LETTERHEAD

COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS, FLORIDA

DATE: March 31, 2010

PURCHASING DEPARTMENT

TIME: 10:00 a.m.

135 NE HERNANDO AVE. RM 208
LAKE CITY, FL 32055

OWNER'S BID NO.: 2009-Y

REFERENCE:

I (We), the undersigned, hereby declare that the only persons, firm or corporation interested in this Proposal or the Contract to be entered into, as principals, are named herein, and that this Proposal is made without collusion with any person, firm or corporation, and that it is in all respects fair and in good faith.

The undersigned, hereinafter called "Bidder", having visited the site of the proposed project and become familiar with the local conditions, nature and extent of the work, and having examined carefully the drawings, specifications, the Form of Agreement, and other Contract Documents, with the bond requirements therein, proposes to furnish all labor, materials, equipment and other items, facilities, and services for the proposed execution and completion of the General Construction of new Ft. White Branch Library in full accordance with the drawings and specifications prepared by Akin & Associates Architects, Inc., in full accordance with the Advertisement for Bids, Instruction to Bidders, Agreement and all other Contract Documents; and if awarded the Contract, I (We) will contract with the COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS, FLORIDA to furnish all necessary labor, equipment, materials, and incidental costs, and that I (We) will substantially complete all necessary work in accordance with the Specifications and Drawings, and the requirements under them within **180 consecutive calendar days** after receipt of Notice-to-Proceed for the following Bid price:

BASE BID _____ Dollars ($_____).

The undersigned further agree(s) to bear the full cost of maintaining all work until the final acceptance, as provided in the Contract Documents.

The above amount, if accepted by the Owner shall form a Contract to be entered into. The undersigned agree(s) to furnish a sufficient and satisfactory bond in the sum of not less than 100 percent (100%) of the Contract Price of the work awarded.

It is further agreed that in the case of failure on the part of the undersigned to execute said Contract and Bond under the conditions of this Proposal within ten (10) "Owner Business Days" after the award of the Contract, the accompanying Proposal Guaranty, made payable to the COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS, FLORIDA of not less than

SECTION D

COLUMBIA COUNTY, FLORIDA BOARD OF COMMISSIONERS
STATEMENT OF CONTRACTOR'S QUALIFICATION

1. Legal Name and Address:

Company Name:_____ Phone #:_____
Qualifying Agent:_____ Phone #:_____
Address:_____
Attach copies of Business Occupational License for County of Residence.

2. If a Corporation, state:
Date of Incorporation:_____
Attach a copy of the Corporate Certificate.
Name and Title of Qualifying Agent:_____
_____

Name and Title of Principal Officers	Date of Inception	State Registration
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. If Partnership, state:

Date of Organization:_____
Nature of Partnership (General, Limited, or Association)

Name and Title of Qualifying Agent:_____
_____

Name and Title of Partners	Date of Inception	State Registration
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

4. If an individual, state:

Name and Title of Partners	Date of Inception	State Registration
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

13. Has your firm previously constructed County projects in Florida? ____Yes _____No

14. List five (5) projects of similar size or larger than the proposed work which your firm has completed with the last five (5) years.

A. Project and Brief Description: (include square footage, number of floors, basic construction, etc.) _____
_____
_____
_____
_____
_____

Project Owner:_____ Phone:_____
Project Architect:_____ Phone:_____
Stage of Completion:_____
Construction Contract Amount:_____
Date Completed:_____

B. Project and Brief Description:
_____
_____
_____
_____
_____

Project Owner:_____ Phone:_____
Project Architect:_____ Phone:_____
Stage of Completion:_____
Construction Contract Amount:_____
Date Completed:_____

C. Project and Brief Description:
_____
_____
_____
_____
_____

Project Owner:_____ Phone:_____
Project Architect:_____ Phone:_____
Stage of Completion:_____
Construction Contract Amount:_____
Date Completed:_____

B. Project and Brief Description:_____

_____

_____

_____

_____

Project Owner:_____ Phone:_____

Project Architect:_____ Phone:_____

Stage of Completion:_____

Construction Contract Amount:_____

Bond Amount:_____

C. Project and Brief Description:_____

_____

_____

_____

_____

Project Owner:_____ Phone:_____

Project Architect:_____ Phone:_____

Stage of Completion:_____

Construction Contract Amount:_____

Bond Amount:_____

D. Project and Brief Description:_____

_____

_____

_____

_____

Project Owner:_____ Phone:_____

Project Architect:_____ Phone:_____

Stage of Completion:_____

Construction Contract Amount:_____

Bond Amount:_____

E. Project and Brief Description:_____

_____

_____

_____

_____

Project Owner:_____ Phone:_____

Project Architect:_____ Phone:_____

Stage of Completion:_____

Construction Contract Amount:_____

Bond Amount:_____

Name of Certified Public Accountant preparing financial statement and date of same.

Is this financial statement for the identical organization named on page one?

_____Yes _____No

If not, explain the relationship and financial responsibility of the organization whose financial statement is provided (e.g., parent-subsidiary).

Will this organization act as guarantor of the contract for construction?

_____Yes _____No

The undersigned guarantees the authenticity of the foregoing statements, as evidenced by this sworn affidavit, and does hereby authorize and request any person(s), firm or corporation to furnish any information requested buy the Columbia County Board of Commissioners and its authorized representative in verification of the recitals comprising this "Statement of Contractor's Qualification".

Signed:_____

Print Name and Title:_____

For the Firm:_____

_____

CORPORATE SEAL

Subscribed and sworn to before me this_____ day of _____in the year of_____ .

Notary Public:

My Commission Expires:

C. NOTICE OF SURETY COMPANY

Columbia County Board of Commissioners
P.O. Box 1529
Lake City, FL 32056-1529

Gentlemen:

This is to advise that, until further notice in writing to you, we agree to provide surety ship on behalf of _____

Covering construction in the amount of $ _____ for any single contract and $_____ in the aggregate of outstanding contracts.

Our Best's ratings for performance and financial size are:

PERFORMANCE RATING: (A or higher required)

FINANCIAL SIZE:

It is our understanding that the contents of this letter will not be disclosed to other persons.

_____
Name of Surety

(Affix Seal)

By:_____
Title

SECTION E

CONTRACT AGREEMENT

GENERAL:

The "Standard Form of Agreement Between Owner and Contractor Where the Basis of Payment Is a Stipulated Sum", American Institute of Architects, Document A-101, Latest Edition shall be used on this project. Upon notification of award the contractor shall submit two original executed contracts along with the payment and performance bond to owner. Upon review of payment and performance bond the owner shall return one executed original to the contractor with the notice to proceed.

FORMS SHALL be obtained by the Contractor from the Florida Association of the American Institute of Architects located at 104 Jefferson Street, Tallahassee, Florida 32301, (850) 222-7590; or location closest to bidder.

==========

The following information is Supplementary Conditions to the Contract to be inserted or amended where indicated:

Article 3

3.1 The Date of Commencement will be defined in a Notice-to-Proceed, unless noted otherwise.

3.2 Substantial Completion for the total project shall be within **180** **consecutive calendar** days following Notice-to-Proceed; Final Completion shall be within **30** **consecutive** calendar days following Substantial Completion.

Liquidated damages shall be in accordance with Section K, 8.4.1 Supplementary General Conditions of the Contract Documents. Liquidated Damages: **$ 250.00 per day.**

Article 5

5.1 Progress payments, shall be as indicated in Spec. Sec. 01027.

5.1.1 Retainage will be 10% until substantial completion and 5% until final completion and will only be released upon recommendation of the Architect and approval by the County Manager.

END OF SECTION E

SECTION F

GENERAL CONDITIONS

GENERAL:

The "General Conditions of the Contract for Construction", American Institute of Architects, Document A-201, Latest Editions shall be used on this project.

FORMS SHALL be obtained by the Contractor from any branch office of the Florida Association of the American Institute of Architects (i.e. 104 Jefferson Street, Tallahassee, Florida 32301, (850) 222-7590; or location closest to bidder.

END OF SECTION F

SECTION G

List of Subcontractors shall be submitted in two stages:

A. LISTING OF MAJOR SUBCONTRACTORS
(To be submitted in a separate envelope marked, "LISTING OF MAJOR SUBCONTRACTORS," along with Bidder's Bid Form)

NOTE: To be executed as part of the Bidders Proposal. If, due to Alternate bids, more than one subcontractor must be considered, Contractor shall list each and state which is to be considered for Base Bid work and which is to be considered for alternate work if a specific alternate is to be taken.

Bidder agrees that, if they are apparent low bidder or if so requested by the Owner, they will submit to the Owner a full list of subcontractors and suppliers within 48 hours of bid opening.

All subcontractors and suppliers are subject to approval of the Owner. The following are the major subcontractors and suppliers proposed to be used if the undersigned is awarded the contract.

DIVISION OF WORK	CORPORATE NAME AND ADDRESS	PRINCIPAL OR OFFICER'S NAME
HVAC		
Plumbing		
Electrical		
Roofing		

The undersigned declares that they have fully investigated each subcontractor listed and have determined to their own complete satisfaction that such contractor maintains a fully-equipped organization capable technically and financially of performing the pertinent work, and has made similar installations in a satisfactory manner.

Name of Firm: _____

Signed By: _____

Title: _____

Address/Zip: _____

Telephone No._____ Contractor's Certificate No. _____

ACOUSTICAL CEILINGS _____ _____

RESILIENT FLOORING _____ _____

CARPETING _____ _____

PAINTING _____ _____

CHALK AND TACK BOARDS _____ _____

TOILET AND BATH ACCESSORIES _____ _____

PRE-ENGINEERED BUILDINGS _____ _____

PIPE AND PIPE FITTING _____ _____

HANGERS AND SUPPORTS _____ _____

EQUIPMENT SUPPORTS, ENCLOSURES AND ACCESS PANELS _____ _____

PIPE INSULATION _____ _____

PLUMBING _____ _____

BUILDING SOIL, WASTE, SANITARY, VENT PIPING AND APPURTENANCES _____ _____

DOMESTIC WATER PIPING AND APPURTENANCES _____ _____

PLUMBING FIXTURES /TRIM _____ _____

AIR CONDITIONING AND HEAT PUMPS _____ _____

DEHUMIDIFYING UNITS _____ _____

AIR DISTRIBUTION _____ _____

RACEWAYS _____ _____

BOXES _____ _____

WIRING DEVICES _____ _____

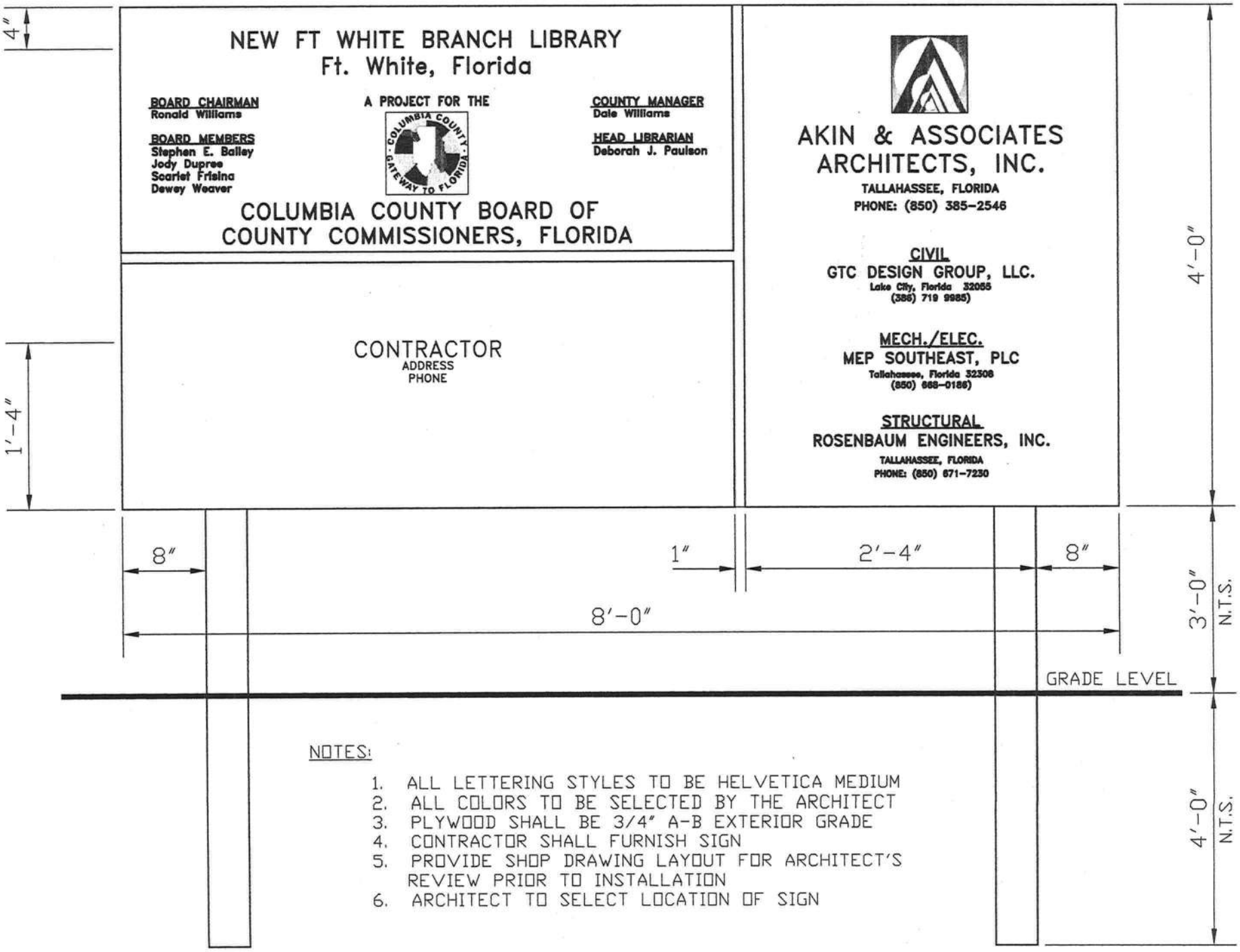
PANELBOARDS _____ _____

DISCONNECT SWITCHES _____ _____

SECTION H

Provide a project identification sign as shown on attached sample.

END OF SECTION H



NOTES:

1. ALL LETTERING STYLES TO BE HELVETICA MEDIUM
2. ALL COLORS TO BE SELECTED BY THE ARCHITECT
3. PLYWOOD SHALL BE 3/4" A-B EXTERIOR GRADE
4. CONTRACTOR SHALL FURNISH SIGN
5. PROVIDE SHOP DRAWING LAYOUT FOR ARCHITECT'S REVIEW PRIOR TO INSTALLATION
6. ARCHITECT TO SELECT LOCATION OF SIGN

SECTION 01010
SUMMARY OF WORK

PART 1 - GENERAL:

1.1 WORK COVERED BY CONTRACT DOCUMENTS

A. The work of this Contract comprises the following:

Project involves the construction of an approximately 5,065sf Community Library.

Trade work includes Sitework (see comment on Table of Content), Concrete, Masonry, Column, Beam & Misc. Steel, Millwork, Wood Framing/Drywalling, Prefab. Wood Roof trusses, Insulation, Shingle Roofing & Accessories, Hollow Metal Work, Wood doors, Storefront, Carpet, VCT & Hard Tile, Toilet Compartments & Accessories, Mechanical, Plumbing, and Electrical.

B. Work is divided into base bid and alternates (where applicable are described in section 01030).

C. Work to be performed shall be in accordance with drawings and specifications prepared by **Akin & Associates Architects, Inc.**

D. The Contractor shall lay out the work with appropriately qualified personnel from the information shown on the drawings.

1.2 RELATED REQUIREMENTS

A. I. Bidding Conditions

B. II. Contractual Conditions

1.3 CONTRACT WORK

2. The General Construction base bid shall generally include, but not be limited to the scope of work described in these specifications and on the drawings except alternates noted in Sec. 01030 and on the drawings cover sheet.

1.4 CONTRACT TIME

1. All work under this contract work shall be substantially complete within **calendar days indicated in the Front-end Specs.**

1.5 WORK BY OTHERS

A. Work on the project which will be executed during or prior to the start of work on this contract, and which is excluded from this contract, noted as "N.I.C." on the drawings.

1.6 CONTRACTOR'S USE OF PREMISES

A. Coordinate use of premises for staging, storage etc. with the owner.

SECTION 01027
APPLICATION FOR PAYMENT

PART 1 - GENERAL:

1. REQUIREMENTS INCLUDED
   Procedures for preparation and submittal of Application for Payment.

2. RELATED REQUIREMENTS
   A. I. Bidding Conditions
   B. II. Contractual Conditions
   C. Section 01340 - Submittal: Submission Requirements
   D. Section 01370 - Schedule of Values
   E. Section 01700 - Contract Closeout: Final Application for Payment

3. FORMAT
   Application for Payment Form - AIA Standard G702.

4. PREPARATION OF APPLICATIONS
   A. Submit applications for payment to Architect in accordance with the schedule established by conditions of the Contract and agreement between Owner and Contractor.
      1. Type required information, or use media-driven printout.
      2. Execute certification by signature of authorized officer.
   B. Submit Schedule of Values for review and acceptance by the Architect/Engineer and Owner per Section 01370. Schedule of Values shall be broken down for each Work item and shall indicated both materials and labor.
   C. Use data on accepted Schedule of Values. Provide dollar value in each column for each line item for portion of Work performed.
   D. Initial progress payment shall not be made until Contractor has established a Contractor's site office, with telephone service, and a temporary field office for the Project Representative.
   E. Prepare Application for Final Payment as specified in Section 01700.
   F. Submit Application for Payment in rough format (percentages complete) for Owner and Architect/Engineer review five (5) days prior to submittal of Application.

5. SUBMITTAL PROCEDURES
   A. Submit four (4) copies of each Application for payment monthly.
   B. Contractor shall submit to Architect/Engineer not later than the first working day of each month an application for payment completed and signed by the Contractor.

SECTION 01029
CHANGE ORDER PROCEDURE

PART 1 - GENERAL:

1. REQUIREMENTS INCLUDED
   - A. Procedures for preparation and submittal of Change Orders.
   - B. This section is a supplement to Article 7 of AIA Document A201, the prescribed "General Conditions of the Contract for Construction" for this project.

2. RELATED REQUIREMENTS
   - A. I. Bidding Conditions
   - B. II. Contractual Conditions
   - C. Section 01027 – Application for Payments
   - D. Section 01340 - Submittal: Submission Requirements
   - E. Section 01370 - Schedule of Values
   - F. Section 01700 - Contract Closeout: Final Application for Payment

3. FORMAT
   Itemized costs, including quantities and unit prices.

4. PREPARATION OF CHANGE ORDERS
   It is recognized that changes to the contract may be desired or necessary from tile to time. When such situation arises, it shall be handled as outlined below.

   - A. The client may at any time, unilaterally or by agreement with the contractor, without notice to the sureties, make changes in the work covered by this agreement. Any mutual agreement must be agreed upon in writing, signed by both parties.
   - B. When the client requests a proposal, contractor shall submit change order proposals within seven (7) calendar days, unless a shorter time is specified elsewhere in the Agreement, in a form acceptable to the client. The quotation shall be supported by a cost breakdown which shall include a quantity survey, unit prices and unit labor hours, markup for overhead and profits and other information as requested by the client.
   - C. Upon written direction of the client to the contractor, specifically stating that an equitable adjustment in contractor price will be made, contractor shall proceed with specified extra work or changes so as not to delay the work. Contractor shall submit an estimate for extra work or changes within seven (7) calendar days, unless a shorter time is specified elsewhere in the Agreement, or receipt of the directive.
   - D. Unless otherwise stated in the Contract Documents, the sum to be paid to Contractor for its combined overhead and profit for additive changes shall be based upon the

SECTION 01040
COORDINATION

PART 1 - GENERAL:

1. WORK INCLUDED
   - A. Contractor shall supervise and direct the work competently and efficiently, devoting such attention thereto and applying such skills as may be necessary to perform the work in accordance with the Contract Documents.
   - B. Contractor shall be solely responsible for all means, methods, techniques, sequences and procedures of construction, and for providing adequate safety precautions and coordinating all portions of the work under the Contract Documents.
   - C. Contractor shall be responsible to see that the finished work complies accurately with the Contract Documents.
   - D. Contractor shall be responsible for all project coordination.

2. RELATED REQUIREMENTS
   - A. Section 01010 - Summary of Work
   - B. I. Bidding Conditions
   - C. II. Contractual Requirements
   - D. Section 01200 - Project Meetings
   - E. Section 01410 - Special Testing/Inspection Requirements
   - F. Section 01700 - Contract Closeout

3. DESCRIPTION
   - A. Coordinate scheduling, submittal, and work of the various sections of specifications to assure efficient and orderly sequence of installation of construction elements, with provisions for accommodating items to be installed later.
     1. Maintain reports and records at job site:
        - a. Daily log of progress of work and other pertinent data. Maintain log accessible to Owner, Architect/Engineer and his representative.
        - b. Assemble documentation for handling of any claims or disputes which may arise.
     2. Inspections and Testing:
        - a. Inspect the work to assure that it is performed in accordance with the requirements of the Contract Documents.
        - b. Arrange with the Architect/Engineer and/or owner as applicable for special inspections or testing required by Section 01410 or other specification sections.
        - c. Reject work which does not conform to requirements of the Contract Documents.
   - B. Coordinate sequence of work to insure proposed completion dates are met.
     1. Construction Schedule:
        - a. Prepare detailed schedule of Contractor's operations and for all subcontractors on the project.
        - b. Monitor schedules as work progresses.
          1. Identify potential variances between scheduled and probable completion date.

A. Coordinate use of Project space and sequence of installation of subcontractor work which is indicated diagrammatically on Drawings. Follow routing shown for pipes, ducts, and conduits as closely as practicable, with due allowance for available physical space; make runs parallel with lines of building. Utilize space efficiently to maximize accessibility for other installations, for maintenance, and for repairs.

B. In finished areas, except as otherwise shown, conceal pipes, ducts, and wiring in the construction. Coordinate locations of fixtures and outlets with finish elements.

7. INTERPRETATION OF CONTRACT DOCUMENTS
   A. Consult with Architect/Engineer to obtain interpretation or clarifications for any portions of the contract documents which are unclear or ambiguous. Transmit all requests for interpretation in writing.
   B. Assist in the answering of any questions which may arise.
   C. Transmit written interpretations to Sub Contractors, Suppliers and Others who's work may be affected by the clarification.
   D. Interpretations shall be based on the Architect/Engineers review of the Contract Documents. In case of conflicting data, assumption shall be made that the item of greater quality, cost or quantity was bid.
8. START-UP
   A. Direct the check-out of utilities, operational systems, and equipment.
   B. Assist in initial start-up and testing.
   C. Record dates of the start of the operations of systems and equipment.
   D. Submit to Architect/Engineer written notice of the beginning of warranty period for equipment put into service.
9. COORDINATION OF CONTRACT CLOSEOUT
   A. Substantial Completion:
      1. Coordinate completion and cleanup of work of separate sections in preparation for Substantial Completion.
      2. Upon determination of Substantial Completion of work or portion thereof, prepare for the Architect/Engineer a list of incomplete or unsatisfactory items.
   B. Final Completion:
      1. Upon determination that work is at final completion:
         a. Submit written notice to Architect/Engineer that the work is ready for final inspection.
         b. Secure and transmit to Architect/Engineer required closeout submittal.
      2. Turn over to Architect/Engineer.
         a. Operations and maintenance data.
         b. Spare parts and maintenance materials.
         c. Warranties and other data as required for these specifications.
         d. Owner file copies of all submittal, changes, etc.
   C. After Owner occupancy of premises, coordinate access to site by various sections for correction of defective work and work not in accordance with Contract Documents, to minimize disruption of Owner's activities.
   D. Assemble and coordinate closeout submittal specified.

PART 2 - PRODUCTS:

Not used.

PART 3 - EXECUTION:

Not used.

END OF SECTION 01040

SECTION 01042
COORDINATION DRAWINGS

PART 1 - GENERAL

1.1. GENERAL

A. Furnish all labor, materials, tools, equipment and services for all Coordination Drawings in accord with provisions of Contract Documents.

B. Completely coordinate with work of all other trades.

C. Although all such work may not be specifically indicated, furnish and install all supplementary or miscellaneous items, appurtenances and devices incidental to or necessary for a complete installation.

D. See Division 1 for General Requirements.

1.2. CONSTRUCTIONTION DRAWINGS

A. Overlay drawings showing all mechanical, electrical, plumbing, etc. work in and above ceilings, exposed and in mechanical, electrical and related equipment rooms with horizontal and vertical dimensions, to avoid interference with structural framing, ceilings, partitions and other services. Provide plans at 1/4" scale; provide sections/elevations at 1" scale' provide enlarged plans at 1" scale.

B. Prior to start of work in any given area, each subcontractor shall approve, in writing, all coordination drawings affecting his work in that area. Drawings shall have such approval and date of same affixed to each sheet in an approval area. Distribute copies of approved coordination to all parties.

C. Any relocations required as a result of failure to resolve interferences, provide correct Coordination Drawings, or call attention to changes required in other work shall be paid for by the responsible Subcontractor.

1.3. COORDINATION MEETINGS

A. Coordination meetings shall be scheduled by the General Contractor. All affected subcontractors are required to attend. Since this is a Contractor meeting, should he so desire the presence of the Agent (any or all) the costs shall be billed at their standard hourly rates plus expenses to the Contractor.

1.4. PRODUCTION OF COORDINATION DRAWINGS

A. General Contractor shall provide background drawings, showing partitions, ceiling heights, and structural framing locations and elevations, and existing obstructions.

B. Resolve major interferences at initial coordination meeting prior to production of any drawings.

C. General Contractor shall arrange for a competent draft person to produce all initial coordination drawings within 30 days after initial meeting. General Contractor shall arrange for production of said drawings during that time.

D. Contractors shall meet as required to resolve interferences and correct coordination drawings during their preparation. Submit written requests for information to Agent to clarify any and all conflicts.

SECTION 01045
CUTTING AND PATCHING

PART 1 - GENERAL:

1A DESCRIPTION OF WORK

1. "Cutting-and-Patching" is hereby defined to include, but is not necessarily limited to, the cutting and patching of nominally completed and previously existing work in order to accommodate the coordination of work or the installation of other work or to uncover other work for access or inspection.

   Restoring or removing and replacing non-complying work is specified separately from cutting-and-patching, but may require cutting-and-patching operations as specified herein.

2. Refer to other sections of these Specifications for specific cutting-and-patching requirements and limitations applicable to individual units of work.

   Refer to Division 15 and Division 16 Sections, for additional requirements and limitations on cutting-and-patching of mechanical and electrical work, respectively. The requirements of this section apply to mechanical and electrical work, unless otherwise indicated.

1B QUALITY ASSURANCE

Requirements for Structural Work:

Do not cut-and-patch structural work in a manner resulting in a reduction of load-carrying capacity or load/deflection ratio.

Prior to cutting-and-patching the following categories of work, obtain Architect's/Engineer's written direction to proceed with cutting-and-patching as proposed in submittal by Contractor:

Structural steel.
Bearing walls.
Miscellaneous structural metals, including lintels, equipment supports, stair systems and similar categories of work.

Operational and Safety Limitations:

4. Do not cut-and-patch operational elements and safety related components in a manner resulting in a reduction of capacities to perform in the manner intended, including energy performances, or resulting in decreased operational life, increased maintenance, or decreased safety.

2. Prior to cutting-and-patching the following categories of work and similar categories where directed, obtain Architect's/Engineer's written direction to proceed with cutting-and-patching as proposed in submittal by Contractor:
   Primary operational systems and equipment Control, communication, conveying, and electrical wiring system.

Visual Requirements:

1. Do not cut and patch work which is exposed on exterior (or exposed in occupied spaces of the building) in a manner resulting in a reduction of visual qualities or resulting in substantial evidence of cut-and-patch work both as judged solely by Architect. Remove and replace work judged by Architect/Engineer to be cut-and-patched in a visually unsatisfactory manner.

a. In general, where physical cutting action is required, cut work with sawing and grinding tools, **NOT WITH HAMMERING AND CHOPPING TOOLS**. Core drill openings for pipe and conduit through concrete and masonry.

b. Comply with requirements of applicable sections of Division 2 where cutting-and-patching requires excavating and backfilling.

3. Patch with seams which are durable and as invisible as possible. Where feasible, inspect and test patched areas to demonstrate integrity of work.

4. Restore exposed finishes of patched areas and where necessary extend finish restoration onto retained work adjoining in a manner which will eliminate evidence of patching and refinishing.

5. Where patch occurs in a smooth painted surface, extend final paint coat over entire unbroken surface containing patch after patched are has received prime and base coats.

END OF SECTION 01045

SECTION 01310
CONSTRUCTION SCHEDULE

PART 1 - GENERAL

1.1 The progress schedule required under the General Conditions shall be prepared using bar chart or the critical path method as described herein.

A. The critical path schedules requirement will consist of a two-part network submittal (interim schedule, and detailed schedule), along with monthly progress status reports (Monthly Report), quarterly progress forecast reports (Quarterly Report), and monthly update to the networks and analyses. The planning, scheduling, management, and execution of the Work is the sole responsibility of the Contractor. The progress schedule requirement is established to allow Owner to review Contractor's planning, scheduling, management and execution of the work; to assist owner in evaluating work progress and make progress payments; and to allow other contractors to cooperate and coordinate their activities with those of the Contractor.

B. Review of the schedule of submittal shall not relieve Contractor from responsibility for any deviations from the Contract Documents unless Contractor has, in writing, submission and received written concurrence to the specific deviations, nor shall any concurrence by Owner and Architect/Engineer relieve Contractor from, responsibility for errors and omissions in the submittal.

1.2 INTERIM SCHEDULE SUBMITTAL

A. Submittal set shall include a time-scaled graphic arrow diagram, a detailed schedule of values incorporating shop drawing submittal, and interim status reports. The initial submittal shall be delivered within fourteen (14) calendar days of the effective date of the Agreement and shall use the Notice to Proceed as the data date. The submittal shall be submitted on time, be completed, comply with all contract conditions, and represent realistic approach to the Work. No progress payments for work performed shall be made until this submittal set is submitted and accepted.

B. The graphic arrow diagram shall show one (1) detailed activity for all work to be performed during the first 120 calendar days after Notice to Proceed, and two (2) summary activities for the remainder of the contract.

C. Interim status reports shall be revised and submitted monthly following the initial preliminary schedule submittal, and continue through the first 120 calendar days.

1.3 DETAILED SCHEDULE SUBMITTAL

A. Submittal shall include a time-scaled (day after Notice to Proceed) graphic arrow diagram showing all contract activities, computer printout reports, and a supporting narrative. The detailed schedule submittal shall be delivered within 30 calendar days after the Notice to Proceed, and shall use the Notice to Proceed as the data date. The submittal shall be on time, complete, comply with all Contract conditions, and represent a reasonable approach to the Work. No progress payments shall be made for

1.7 COMPLIANCE

See paragraph 3.10 of the Supplementary General Conditions for consequences of non-compliance.

PART 2 - PRODUCTS
Not used.

PART 3 - EXECUTION
Not used.

END OF SECTION 01310

SECTION 01340
SUBMITTAL

PART 1 - GENERAL

1.1 REQUIREMENTS INCLUDED:

A. Submit Shop Drawings, Product Data and Samples required by Contract Documents.

B. Shop drawing submittal:

1. Unless otherwise noted, submit one sepia and three blue-line prints of required shop drawing.
2. Shop drawings shall bear the seal of approval of the General contractor.
3. **All but two (2) sets [three (3) for those to be reviewed by Engineers] of prints shall be returned to the contractor** with specific instructions from the Architect.
4. The contractor shall proceed or re-submit based on the instructions of the Architect.
5. Required shop drawings are identified in the respective sections of this specification.

1.2. RELATED REQUIREMENTS:

A. Definitions and Additional Responsibilities of Parties: General Conditions of the Contract.

B. Designate in the Application for Payments, or in a schedule of submittals, the dates for submission of Shop Drawings, Product Data and Samples.

C. II Contractual Conditions

1.3 SHOP DRAWINGS:

A. Submit a list of all required shop drawings, showing anticipated submittal date, date to be returned to factory to ensure prompt delivery. Also submit a signed letter stating that all Subcontractors and Suppliers have received and shall conform to this submittal schedule.

B. Drawing shall be presented in a clear and thorough manner. Details shall be identified by reference to sheet and detail, schedule or room numbers shown on Contract Drawings.

C. Shall be original drawings, prepared by Contractor, Subcontractor, Supplier or Distributor, which illustrate some portion of the work, showing fabrication, layout, setting or erection details. Duplication of contract Documents for any submittal shall not be acceptable.

1. Prepared by a qualified detailer.
2. Identify details by reference to sheet and detail numbers shown on Contract Drawings.

D. Shop Drawing transmittal letter shall be submitted separate for each required section as provided at the end of this section. Submittal shall note any and all

Architect/Engineer in writing and the Architect/Engineer gives written acceptance of specific deviations.

1.7 SUBMISSION REQUIREMENTS:

A. Make submittal promptly in accordance with accepted schedule, and in such sequence as to cause no delay in the work or in the work of any other Contractor.

B. Number of submittal required:

1. Shop Drawings: Submit five (5) prints of shop Drawing. The reproducible sepia will be returned to the Contractor.
2. Product Data: Submit four (4) copies of Product data of which two (2) shall be returned to the Contractor.
3. Samples: Submit the number stated in each specification section. Provide three (3) samples if not indicated.

C. Submittal shall contain:

1. The date of submission and the dates of any previous submissions.
2. The project title and number.
3. Contract identification.
4. The names of Contractor, Supplier and Manufacturer.
5. Identification of the product, with the specification section number.
6. Field dimensions, clearly identified as such.
7. Relation to adjacent or critical features of the work or materials.
8. Identification of revisions on resubmittals.
9. Applicable Standards (such as ASTM or Federal Specification numbers).
10. An 8 inch x 3 inch blank space for contractor and Architect/Engineer or provide review status cover page.
11. Contractor's stamp, initialed or signed, certifying to review of submittal, verification of products, field measurements and field construction criteria, and coordination of the information within the submittal with requirements of the work and of Contract Documents.

1.8 RE-SUBMISSION REQUIREMENTS:

A. Make any corrections or changes in the submittal required by the Architect/Engineer and resubmit until accepted.

B. Shop drawings and product data:

1. Revise initial drawings of data, and resubmit as specified for the initial submittal.
2. loud any change which has been made other than those required by the Architect/Engineer.
3. Indicate shop drawing is being resubmitted, use Architect's/Engineer's shop drawing identification number if provided.

C. Samples: Submit new samples if requested by Architect.

1.9 DISTRIBUTION

SECTION 01700
CONTRACT CLOSEOUT

PART 1 - GENERAL:

1.1 REQUIREMENTS

A. Closeout is hereby defined to include general requirement near end of Contract Time in preparation for final acceptance, final payment, normal termination of contract, occupancy by Owner and similar actions evidencing completion of the Work. Time of closeout is directly related to "Substantial Completion" and therefore may be either a single time period for entire work or a series of time periods for individual parts of the work that have been certified as substantially complete at different dates. That time variation (if any) shall be applicable to other provisions of this section.

1.2 PREREQUISITES TO SUBSTANTIAL COMPLETION

A. Prior to requesting Architect's/Engineer's inspection for certification of substantial completion for either entire Work or portions thereof, complete the following and list known exceptions in request:

1. In progress payment request, show either 100% completion for portion of work claimed as "substantially complete" or list incomplete items, value of in-completion and reasons for being incomplete.
2. Include supporting documentation for completion as indicated in these Contract Documents.
3. Submit statement showing accounting of changes to the Contract sum.
4. Advise Owner of pending insurance change-over requirements.
5. Submit specific warranties, workmanship/maintenance bonds, maintenance agreements, final certifications and similar documents.
6. Obtain and submit releases enabling Owner's full and unrestricted use of the Work and access to services and utilities, including (where required) occupancy permits, operating certificates and similar releases.
7. Deliver tools, spare parts, extra stocks of materials and similar physical items to Owner.
8. Complete start-up testing of systems and instructions of Owner's operating/maintenance personnel. Discontinue (or change over) and remove from project site temporary facilities and services, along with construction tools and facilities, mock-ups and similar elements.

B. Upon receipt of Contractor's request, Architect/Engineer will either proceed with inspection or advise contractor of prerequisites not fulfilled. Following initial inspection, Architect/Engineer will either prepare certificate of substantial completion or advise contractor of work which must be performed prior to issuance of certificate; and repeat inspection when requested and assured that work has been substantially completed. Results of completed inspection will form initial "punch-list" for final acceptance.

1.3 PREREQUISITES TO FINAL ACCEPTANCE

A. Specific requirements for record documents are indicated in individual sections of these specifications. Other requirements are indicated in General Conditions. General submittal requirements are indicated in Section 01340. Do not use record documents for construction purposes; protect from deterioration and loss in a secure, fire-resistive location; provide access to record documents for Architect's/Engineer's reference during normal working hours. At time of final acceptance, submit complete sets of all required record documents to the Architect/Engineer for Owner's records.

B. Record Drawings:
Maintain a white-print set (blue-line or black-line) of contract drawings and shop drawings in clean, undamaged condition with mark-up of actual installations which vary substantially from the work as originally shown. Mark whichever drawings are most capable of showing "field" condition fully and accurately; however, where shop drawings are used for mark-up, record a cross-reference at corresponding location on working drawings. Mark-up new information that is recognized to be of importance to Owner but was for some reason not shown on either contract drawings or shop drawings. give particular attention to concealed work, which would be difficult to measure and record at a later date. Note related change order numbers where applicable.

Upon completion of the Work, this data shall be recorded to scale, by a competent draftsman on sepia line mylar prints or transparent paper of the Contract Drawings. Sepias will be furnished to the Contract by the Architect, but cost shall be borne by the Contractor. Where changes are to be recorded, the sepia line prints shall be erased in such a way as to properly represent the work as installed. Where the work was installed exactly as shown on the Contract drawings, the sepia line prints shall not be disturbed. In showing the changes, the same legend shall be used to identify piping, etc., as was used on the Contract Drawings.

The Contractor shall review the completed record drawings and ascertain that all data furnished on the sepia drawings are accurate and truly represent the Work as actually installed. When manholes, boxes, underground conduits, plumbing, hot or chilled water lines, etc., are involved as part of the Work, the Contractor shall furnish true elevations and locations, all properly referenced for the site. Information for reference data can be obtained from the office of the Architect/Engineer. Upon completion, the subcontractor involved shall date and sign the drawings, signifying compliance with the requirements set forth herein prior to submission of the sepias and prints required.

The Contractor shall sign all pages to certify completeness of the Record Set of Drawings. Contractor shall submit the sepia line mylars and two sets of prints to the Architect/Engineer for the Owner.

C. Record Specifications:
Maintain one copy of specifications including addenda, change orders and similar modifications issued in printed form during construction and mark-up variations (of substance) in actual Work in comparison with text of specifications and modifications as issued. Give particular attention to substitutions, selection of options and similar information on work where it is concealed or cannot otherwise be readily discerned at a later date by direct observation. Note related record drawing information and product data where applicable.

6. Clean concrete floors in non-occupied spaces broom clean.
7. Vacuum clean carpeted surfaces and similar soft surfaces.
8. Clean plumbing fixtures to a sanitary condition free of stains including those resulting from water exposure.
9. Clean light fixtures and lamps so as to function with full efficiency.
10. Clean project site (yard and grounds) of litter and foreign substances. Sweep paved areas to a broom-clean condition; remove stains, petro-chemical spills and other foreign deposits. Rake grounds that are neither planted nor paved, to a smooth, even-textured surface.
11. Vacuum clean and sanitize all cabinetwork, equipment, etc. for a move-in condition.

B. Removal of Protection:
1. Remove temporary protection devices and facilities that were installed during course of the Work to protect previously completed Work during remainder of construction period.

C. Compliances:
1. Comply with safety standards and governing regulations for cleaning operations. Do not burn waste materials at site or bury debris or excess materials on Owner's property or discharge volatile or other harmful or dangerous materials into drainage systems; remove waste materials from site and dispose of in a lawful manner.
2. Where extra materials of value remaining after completion of associated Work have become Owner's property, dispose of these to Owner's best advantage as directed.

1.6 CLOSEOUT DOCUMENTS CHECKLIST

A. All items listed below, with the exception of Item No. 1 and Item No. 2 shall be bound in individual heavy duty 3-ring vinyl covered binders. Mark appropriate identification on front and spine of each binder.

B. All items shall be submitted in triplicate within fifteen day of Substantial Completion for the project.

1. Application and Certification for Payment (Final). Four copies with original signatures and seals.
2. Final schedule of contract values. Four copies attached to Application and Certification for Payment.
3. Contractor's Affidavit of Payment of Debts (AIA G706).
4. Contractor's Affidavit of Release of Liens from all Contractors, Subcontractors, and Suppliers (AIA G706A).
5. Power of Attorney from Surety to make Final Payment.
6. Consent of Surety to Final Payment (AIA G707).
7. Contractor's Guarantee and Warranties as specified under Division 01740.
8. Fully executed Roof Warranty in the name of the Owner.
9. Special warranties as required by the specifications, in the name of the Owner.
10. Provide a list summarizing the various guarantees and warranties and stating the following with respect to each:
    a. Character of work affected.
    b. Name, address and telephone number of each Subcontractor.
    c. Name, address and telephone number of each local firm designated to

OWNER'S DOCUMENTS RECEIPT

PROJECT: _____ **SUBSTANTIAL COMP. DATE:** _____

1. Receipt or Waiver of all of the following documents must be signed by the A/E and by Owner staff person prior to final payment. Fill in last name in receipt blocks. When Owner receives this form, with required attached documents, having been received by the A/E, then A/E review and acceptance is assumed. An Owner's Rep. must sign off acceptance within 10 days after receipt, or the A/E must be notified in writing that a document is not acceptable. If no correspondence is received from Owners within 10 days, acceptance is automatic.
2. See specifications for specific requirements.

DESCRIPTION	Received				Accepted
	A /E	Date	Owner	Date	Owner
AIA G706 (Payment of Debts)					
AIA G706A (Release of Lien)					
Surety Power of Attorney					
Consent of Surety					
All Required Guaranties & Warranties					
List - Various Guaranties/Warranties					
Verification of Training					
Operation & Maintenance Manuals					
Equipment Inventory List					
As-Built Drawings					
EMCS Manuals					
EMCS Training Dates					
As-Built Certification to DER					
Punch List Corrections Complete					
Approved Submittal Package					
Control Key and Key Code					

END OF SECTION

SECTION 02300
EARTHWORK UNDER BUILDINGS

PART 1 - GENERAL

1.1 BENCHMARKS

A. Maintain two existing bench marks on the site for references. All vertical dimensions shall be checked from these bench marks.

1.2 BORROW PITS

A. Submit representative samples of all fill material requiring compaction to the Designated Testing Laboratory. **Material and borrow pits shall be approved by the Architect prior to filling operations.** If the quantity available from site grading is not sufficient, purchasing, hauling, and blending of fill shall be done by the Contractor.

1.3 CONTROLLED FILL

A. Class I Fill is all Structural Fill to underside of slabs and to support foundations or footings. Class I Fill shall extend to 10 feet outside the building footprint.

1.4 DESIGNATED TESTING LABORATORY

A. Designated Testing Laboratory shall be selected by the Architect and paid by the Contractor.
B. Designated Testing Laboratory shall:

1. Witness proofrolling and make recommendations concerning undercutting loose subgrade areas and surface scarification.
2. Observe and make recommendations concerning surface drainage.
3. Perform Modified Proctor and field density test.
4. Provide advice concerning fill soils on site and the selection of borrow soils.
5. Evaluate the suitability of the subgrade soils at the foundation bearing level.
6. The Designated Testing Laboratory shall report to the Architect in writing, on a daily basis, the results of the tests including a statement that all tests have been performed as required by the specifications.

1.5 COMPACTION TESTING

A. Existing Subgrade under Building Slabs: One field density test for each 1500 sf of building.
B. Class I Fills: One Field Density Test for each 1500 SF of building area per 8 inch lift.
C. Exact locations of tests shall be as directed by the Architect. Submit five copies of test reports.

3.4 INSPECTION OF SUBGRADE, PROOFROLLING, SCARIFYING, AND COMPACTION

A. After stripping and excavation of the cut areas, and prior to filling, the exposed subgrade shall be approved by the Architect. The exposed subgrade, enclosed by a line drawn 10 feet outside the building and paved areas, shall be predensified and proofrolled by rolling the surface with compaction equipment.
B. Rolling shall consist of a minimum of eight overlapping coverages in each of two perpendicular directions and shall continue until density test at a depth of 12 inches below the surface indicates the attainment of 95 percent of the Modified Proctor Maximum (ASTM D 1557).
C. The equipment used for rolling shall be a heavy weight vibratory drum roller having a static weight of at least 8 to 10 tons and a drum diameter of at least 4 to 5 feet.
D. Proofrolling shall be performed in the presence of the Designated Testing Laboratory Representative.
E. Soft, loose or unstable surface zones which are detected during proofrolling and compaction shall be scarified and recompacted or undercut and replaced with controlled fill as directed.
F. Stockpile undercut materials by Fill Material classification in on-site locations where it will not interfere with construction operations. Materials stockpiled shall be placed in a manner to afford drainage. Protect against erosion.
G. Undercut materials which qualify as Structural Fill may be used in Class I Fill areas.
H. Provide 6-10 test pits to a minimum depth of 6 feet below existing grade under the direction of the geotechnical representative.

3.5 INSTALLATION OF CLASS I FILL

A. Class I Fill shall be Structural Fill material.
B. Compact within + 2 percent of optimum moisture content in 8-inch (maximum) loose layers to a density equivalent to 95 percent of the Modified Proctor Maximum (ASTM D 1557).

3.6 INSTALLATION OF BACKFILL

A. Shore Foundation Walls which are to be tied into floor slabs prior to installation of Backfill and until slabs have been in place sufficient time to achieve strength and provide structural stability against overturning.
B. Where Backfill is required on both sides of walls, it shall be brought up in even layers so as not to provide an unequal lateral load.
C. Install Backfill against Foundation Walls only when directed by the Architect.

3.7 EXCAVATION AND COMPACTION

A. Excavate to elevations and dimensions, plus space to permit erection of forms.
B. All bottoms shall be clean cut, true, level, and sound.
C. The bottom of all excavations shall be compacted to a density equivalent to 95 percent of the Modified Proctor Maximum (ASTM D 1557) at a depth of 12 inches. Any water softened soils in foundation excavations shall be removed or recompacted prior to steel and concrete placement.

SECTION 02361
TERMITE CONTROL

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes the following:

1. Soil treatment with termiticide.
2. Wood treatment with borate.
3. Bait-station system.
4. Metal mesh barrier system.

B. See Division 06 Section "Rough Carpentry" for wood preservative treatment by pressure process.

C. See Division 07 Section "Sheet Metal Flashing and Trim" for custom-fabricated metal termite shields.

1.2 SUBMITTALS

A. Product Data: For each type of product indicated. Include the EPA-Registered Label.

B. Product certificates.

C. Soil Treatment Application Report: Include the following:

1. Date and time of application.
2. Moisture content of soil before application.
3. Brand name and manufacturer of termiticide.
4. Quantity of undiluted termiticide used.
5. Dilutions, methods, volumes, and rates of application used.
6. Areas of application.
7. Water source for application.

D. Wood Treatment Application Report: Include the following:

1. Date and time of application.
2. Brand name and manufacturer of borate.
3. Quantity of undiluted borate used.
4. Dilutions, methods, volumes, and rates of application used.
5. Areas of application.

E. Bait-Station System Application Report: Include the following:

1. Location of areas and sites conducive to termite feeding and activity.
2. Plan drawing showing number and locations of monitoring stations and bait stations.
3. Dated report for each monitoring and inspection occurrence indicating level of termite activity, procedure, and treatment applied before time of Substantial Completion.
4. Brand name and manufacturer of termiticide.

2. Borates:

   a. Nisus Corp.; Bora-Care, Jecta.
   b. NovaGuard Technologies, Inc.; Armor-Guard, Shell-Guard.
   c. U.S. Borax Inc.; Tim-Bor or approved equal.

3. Bait-Station Systems:

   a. Dow AgroSciences LLC; Sentricon System.
   b. Ensystex, Inc.; Exterra or Quarterra System.
   c. FMC Corporation, Agricultural Products Group; First Line Systems; or approved equal.

4. Metal Mesh Barrier System:

   a. TERMI-MESH, Inc.; TERMI-MESH, or approved equal.

2.2 SOIL TREATMENT

A. Termiticide: Provide an EPA-registered termiticide complying with requirements of authorities having jurisdiction, in an aqueous solution formulated to prevent termite infestation. Provide quantity required for application at the label volume and rate for the maximum termiticide concentration allowed for each specific use, according to product's EPA-Registered Label.

2.3 WOOD TREATMENT

A. Borate: Provide an EPA-registered borate complying with requirements of authorities having jurisdiction, in an aqueous solution for spray application and a gel solution for pressure injection, formulated to prevent termite infestation in wood. Provide quantity required for application at the label volume and rate for the maximum diffusible borate concentration allowed for each specific use, according to product's EPA-Registered Label.

2.4 BAIT-STATION SYSTEM

A. Provide bait stations and monitoring stations based on the dimensions of building perimeter indicated on Drawings, according to manufacturer's EPA-Registered Label for product, manufacturer's written instructions, and the following:

1. Not less than 1 station per 20 linear feet of building perimeter.
2. Not less than 1 cluster of stations per 20 linear feet, consisting of not less than 3 stations per cluster.

2.5 METAL MESH BARRIER SYSTEM

A. Product: Subject to compliance with requirements, provide "TERMI-MESH" by TERMI-MESH, Inc. or approved equal.

B. Stainless-Steel Mesh: 0.025-by-0.018-inch mesh of 0.08-inch-diameter, stainless-steel wire, Type 316.

3.3 APPLYING BORATE TREATMENT

A. Application: Mix wood treatment borate solution to a uniform consistency. Provide quantity required for application at the label volume and rate for the maximum specified concentration of borate, according to manufacturer's EPA-Registered Label, so that wood framing, sheathing, siding, and structural members subject to infestation receive treatment.

1. Framing and Sheathing: Apply borate solution by spray to bare wood for complete coverage.
2. Wood Members thicker than 4 Inches: Inject borate gel solution under pressure into holes of size and spacing required by manufacturer for treatment.
3. Exterior Uncoated Wood Trim and Siding: Apply borate solution to bare wood siding. After 48 hours, apply a seal coat of paint as specified in Division 9.

3.4 INSTALLING BAIT-STATION SYSTEMS

A. Place bait stations and, if applicable, monitoring stations, according to the EPA-Registered Label for the product and manufacturer's written instructions, in areas that are conducive to termite feeding and activity, as follows:

1. Conducive sites and locations indicated on Drawings.
2. In and around infested trees and stumps.
3. In mulch beds.
4. Where wood directly contacts soil.
5. Areas of high soil moisture.
6. Near irrigation sprinkler heads.
7. Each area where roof drainage system, including downspouts and scuppers, drains to soil.
8. Along drip lines of roof overhangs without gutters.
9. Where condensate lines from mechanical equipment drip or drain to soil.
10. At plumbing penetrations through ground-supported slabs.
11. Other sites and locations as determined by licensed Installer.

B. Inspect and service stations from time of their application until completion of time period established by continuing service agreement, according to the EPA-Registered Label for product and manufacturer's written instructions for termite management system and bait products.

1. Service Frequency: Inspect monitoring stations no fewer than once every three months.

3.5 INSTALLING METAL MESH BARRIER SYSTEM

A. Metal Mesh Barrier: Place metal mesh barrier where indicated to provide a continuous barrier to entry of subterranean termites.

1. Fit mesh tightly around pipe or other penetrations, and terminate at slab and foundation perimeters.
2. Install mesh under the perimeter of concrete slab edges and joints after vapor barrier and reinforcing steel are in place, and comply with manufacturer's written installation methods.

SECTION 03100
CONCRETE FORMWORK

PART 1 - GENERAL

1.1 DESIGN FORMWORK

A. Assume all responsibility for the design and engineering of the formwork, as well as its construction and removal.
B. Design formwork for the loads, lateral pressure, and allowable stresses outlined in Chapter 2, Guide to Formwork for Concrete", ACI 347, latest edition.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Facing Materials shall be such as to provide the specified surface finish.
B. Form Coating shall be a field applied chemical concrete release agent capable of preventing bond between poured concrete and the form and shall contain no oil, or shall be factory applied non-absorptive liner. Coat form before reinforcement is placed.
C. Form Ties shall be broken back at 1-inch from surface of concrete. Tie Cones, 1-inch diameter by 1-inch long, shall be used on all exposed concrete.
D. Pre-molded Expansion Joint material (E.J.) shall conform to ASTM D1751, "Preformed Expansion Joint Fillers for Concrete Paving and Structural Concrete (non-extruding and resilient bituminous types)".

2.2 FABRICATION

A. Construct formwork so that concrete surfaces will conform to the tolerance limits specified in Table 4.3.1, "Tolerances for Formed Surfaces", ACI 301, latest edition.
B. Provide positive means of adjustment (wedges or jacks) of shores and struts to compensate for anticipated deflections and settlement in the Formwork during concrete placing operations.

PART 3 - EXECUTION

3.1 ERECTION OF FORMS

A. Build forms tight to prevent loss of mortar from the concrete.
B. Provide clean-out openings at base of pier and wall forms to facilitate cleaning and observation immediately before concrete is placed.
C. Unless shown otherwise on drawings, corners of concrete members exposed to view after all other finish materials are in place shall be beveled by the use of chamfer strips (maximum ½-inch across the beveled face) placed in the forms. Submit sample for approval before proceeding.

SECTION 03200
CONCRETE REINFORCEMENT

PART 1 - GENERAL

1.1 SUBMITTALS

A. Submit six copies of shop drawings for the fabrication and placing of reinforcing steel for approval, after being checked and approved by the contractor and before proceeding. Any changes by contractor or Fabricator of contract document details, materials, member sizes, or reinforcement shall be "flagged" on shop drawings accompanied by a written request for authorization and reason for requested change.
B. Placing plans shall show all dimensions, details, notes, locations, sizes, lengths and each bar mark together with accessories and material belonging to the reinforcing for the concrete.
C. Schedules shall show all information and be of the same form as those on the contract drawings.
D. Concrete wall reinforcing shall be shown in elevation.
E. Detail all reinforcing steel in accordance with the "ACI Detailing Manual", ACI Publication SP-66 (2004), unless otherwise indicated on the drawings.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Reinforcement shall be fabricated from ASTM A615 "Deformed Billet-Steel Bars for Concrete Reinforcement", Grade 60.
B. Welded smooth wire fabric (WWF) shall conform to "Specifications for Welded Steel Wire Fabric for Concrete Reinforcement", ASTM A185, and shall be fabricated from plain wire conforming to "Specifications for Cold-Drawn Steel Wire for Concrete Reinforcement", ASTM A82.
C. Wire bar supports shall conform to the National Bureau of Standards PS7, "Wire Bar Supports for Reinforced Concrete Construction".

2.2 FABRICATION

A. All hooks shall be bent using the pin diameters and dimensions as "ACI Standard Hooks" in the "Manual of Standard Practice for Reinforced Concrete Construction", CRSI latest edition, unless otherwise shown on the plans.
B. Reinforcing bars shall not be bent or straightened in a manner that will injure the materials.
C. Reinforcing bars shall conform to the dimensions shown on the plans and within the fabricating tolerances as shown in the "Manual of Standard Practices for Reinforced Concrete Construction", CRSI latest Edition.

3.2 WELDING REINFORCEMENT

A. The welding of reinforcing bars will be permitted only on approval on the shop drawings by the Architect.
B. The welding of reinforcing bars at intersections for support purposes, in lieu of tie wire, is prohibited.
C. The welding of reinforcing bars shall be performed in accordance with "Recommended Practices for Welding Reinforcing Steel, Metal Inserts and Connections for Reinforced Concrete Construction", AWS D 12.1-latest edition, as published by the American Welding Society.
D. Welders shall be qualified by tests as prescribed in the "Standard Qualification Procedures ", AWS B 3.0-latest edition, as published by the American Welding Society.

END OF SECTION 03200

SECTION 03300
CAST-IN-PLACE CONCRETE

PART 1 - GENERAL

1.1 RESPONSIBILITY AND QUALIFICATIONS

A. Assume all responsibility for the work, design and engineering of the formwork and the safe support of property adjacent to the work.
B. Work shall be done by one qualified to install the concrete work in accordance with the drawings and specifications. Minimum requirement for qualification shall be five years' experience with satisfactory completion of at least five similar projects.

1.2 SUBMITTALS

A. Submit six shop drawings for the fabrication and placing of reinforcing steel after being checked and approved by the Contractor and before proceeding. Submit no "Approved as Corrected" drawings for approval.
B. Design and submit mix design series along with test data from laboratory or field experience (6 copies) corresponding to the same mix design.
C. Concrete shall have 28 day compressive strength as follows:

Footings and Slabs-on-grade -	3,000 psi.
All Other Concrete -	3,000 psi.

D. Test reports shall show the requirements of ASTM Specifications.
E. Shop drawings shall be submitted in complete sets of a major area of work, with sheets consecutively numbered.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Formwork: See Section 03100.
B. Reinforcement: See Section 03200.
C. Welded Fabric: See Section 03200.
D. Bar Supports: Section 03200.
E. Portland Cement: A domestic brand approved by the Architect for color and conforming to the requirements of ASTM C150, low alkali, Type I or Type III.
F. Fine Aggregate: Conform to ASTM C33 except that the fineness modules shall be not less than 2.1 nor more than 3.1 and the gradation shall be as specified herein below:

2 Franklin

2 Franklin 58687

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 09/28/2010

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER 1-866-220-4625 Holmes Murphy and Associates - Omaha 2637 South 158th Plaza Suite 200 Omaha, NE 68130	CONTACT NAME: PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS: PRODUCER CUSTOMER ID #:
INSURED Peter R. Brown Construction, Inc., a PBSJ Company 13830 58th St N Suite 401 Clearwater, FL 33760	INSURER(S) AFFORDING COVERAGE — NAIC # INSURER A: ZURICH AMERICAN INSURANCE COMPANY — 16535 INSURER B: AMERICAN GUARANTEE & LIABILITY INSURANCE — 26247 INSURER C: STEADFAST INSURANCE COMPANY — 26387 INSURER D: TRAVELERS PROPERTY CASUALTY COMPANY OF — 25674 INSURER E: INSURER F:

COVERAGES **CERTIFICATE NUMBER:** 17561338 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY			GLO 9139458-04	09/30/10	09/30/11	EACH OCCURRENCE	$ 1,000,000
	[X] COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 1,000,000
	[ ] CLAIMS-MADE [X] OCCUR						MED EXP (Any one person)	$ 25,000
	[X] Contractual Liability						PERSONAL & ADV INJURY	$ 1,000,000
	[ ]						GENERAL AGGREGATE	$ 2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						PRODUCTS - COMP/OP AGG	$ 2,000,000
	[ ] POLICY [X] PRO-JECT [X] LOC							$
B	AUTOMOBILE LIABILITY			BAP 9139457-04	09/30/10	09/30/11	COMBINED SINGLE LIMIT (Ea accident)	$ 2,000,000
	[X] ANY AUTO						BODILY INJURY (Per person)	$
	[ ] ALL OWNED AUTOS						BODILY INJURY (Per accident)	$
	[ ] SCHEDULED AUTOS						PROPERTY DAMAGE (Per accident)	$
	[X] HIRED AUTOS							$
	[X] NON-OWNED AUTOS							$
	[X] Contractual Liability							
C	[X] UMBRELLA LIAB [X] OCCUR			AUC 508762106	09/30/10	09/30/11	EACH OCCURRENCE	$ 25,000,000
	EXCESS LIAB [ ] CLAIMS-MADE						AGGREGATE	$ 25,000,000
	[ ] DEDUCTIBLE							$
	[X] RETENTION $ 0							$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N			WC 9139459-04	09/30/10	09/30/11	[X] WC STATU-TORY LIMITS [ ] OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? [N] (Mandatory in NH)	N/A					E.L. EACH ACCIDENT	$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000
D	Contractors Equipment			KTJ-CMB-1725B061-10	09/30/10	09/30/11	$10,000 Deductible	250,000
D	Leased/Rented Equipment			KTJ-CMB-1725B061-10	09/30/10	09/30/11	$2,500 Deductible	250,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

RE: Fort White Library #8231

CGC 053620

CERTIFICATE HOLDER

Columbia County Board of County Commission

135 NE Hernando Avenue
Room 208
Lake City, FL 32055
USA

CANCELLATION 90 days GL,AUTO,WC,Contr & LR EQ /60 days UM

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Holmes Murphy and Associates - Omaha

2637 South 158th Plaza
Suite 200
Omaha, NE 68130
USA

Columbia County Board of County Commission

135 NE Hernando Avenue
Room 208
Lake City, FL 32055
USA

10:105:360

We hope you find this document satisfactory. If you have any questions regarding the content of this certificate, please contact Holmes, Murphy & Associates or the Insured, both are listed on the certificate of insurance.

NOTICE: This communication is not encrypted and may contain privileged or other confidential information. If you are not the intended recipient or believe that you may have received this communication in error, please reply to the sender indicating that fact and delete the copy you received. In addition, you should not print, copy, retransmit, disseminate or otherwise use this information. Thank you.

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