

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 ---

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's 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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COLUMBIA COUNTY BOARD OF COMMISSIONERS

**Vendor Purchase Order
(Typewritten)**

Date: _____ Vendor Name: _____

Project: _____

_____ Address: _____

Phone: _____

Fax: _____

Contact: _____

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

(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: HPM 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

<u>Products:</u>	<u>Specified Manufacturers:</u>	<u>Acceptable Manufacturers:</u>
Hinges	Hager	Stanley
Pivots	Rixon	Lcn
Flush Bolts	Rockwood	Ives, Trimco
Exit Devices	Von Duprin	
Cylinders	Russwin	Russwin No Subst.
Locks	Russwin	Sargent, Yale, Schlage
(w\Grade 1 Lever Handles)		
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

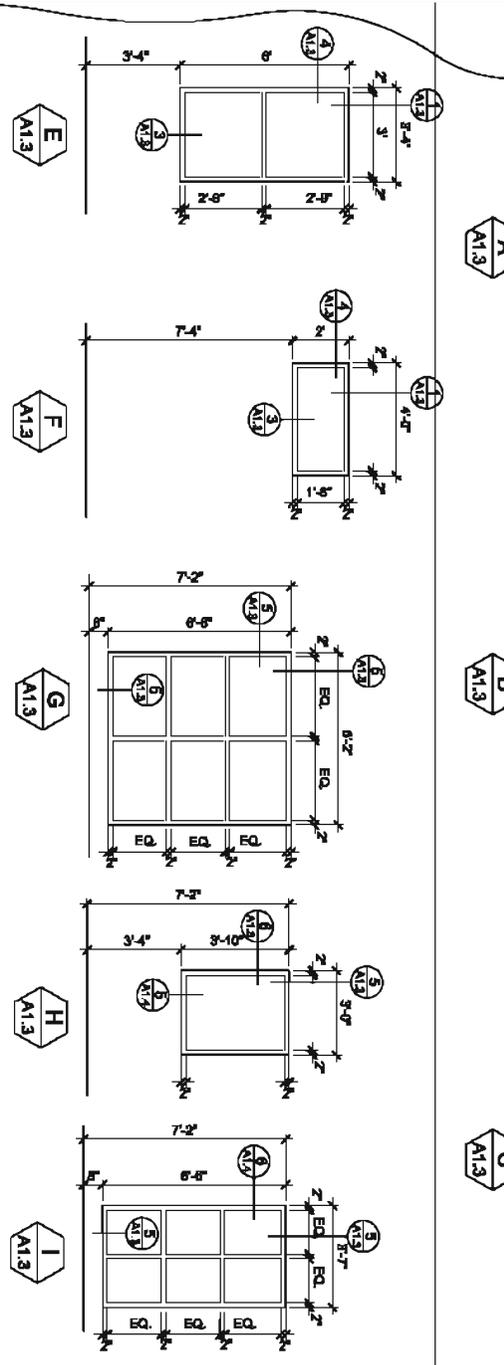
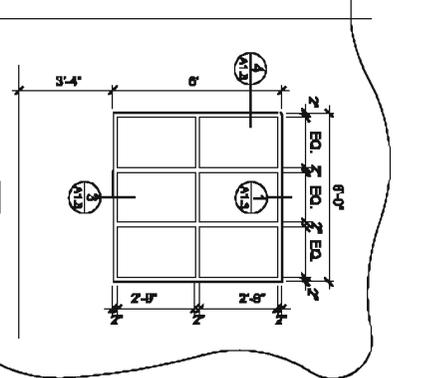
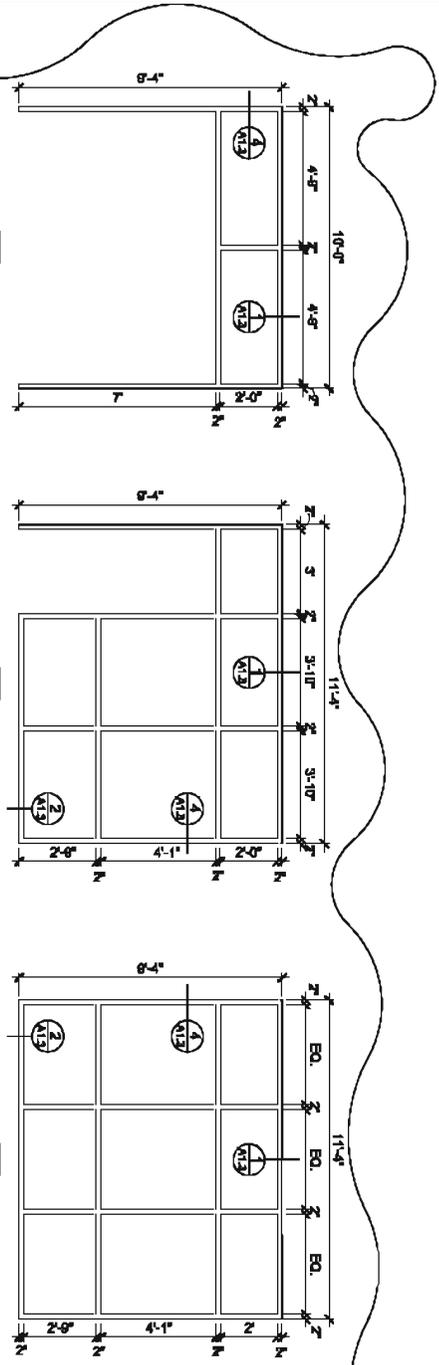
- A. The general contractor is responsible for the proper protection of all items of hardware until the owner accepts the job as complete.

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:

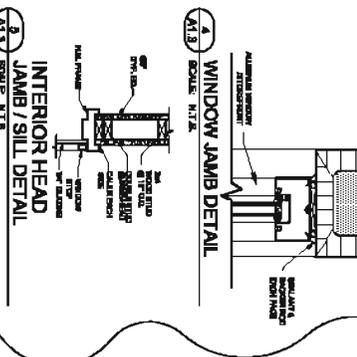
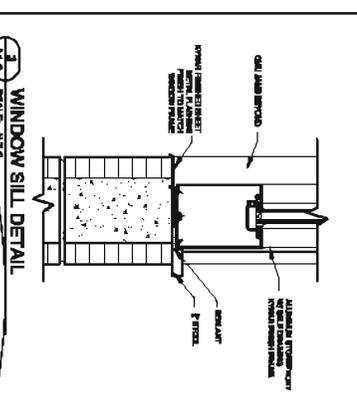
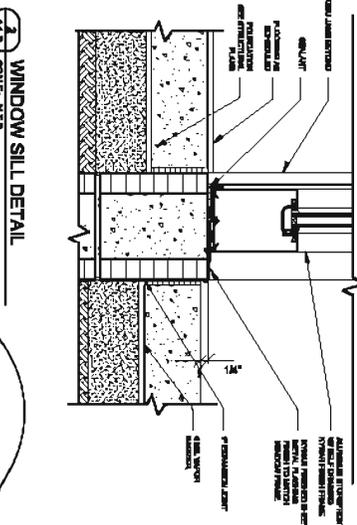
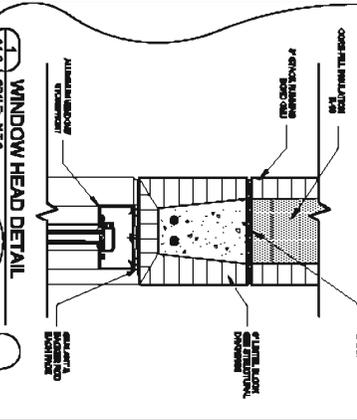
Door Locks: Schlage		
Entry/Office	SCND91 RHO	626 SCH
Passage	SCND10 RHO	626 SCH
Privacy	SCND40 RHO	626 SCH
Type: SC1 Keyway		

END OF SECTION 08710

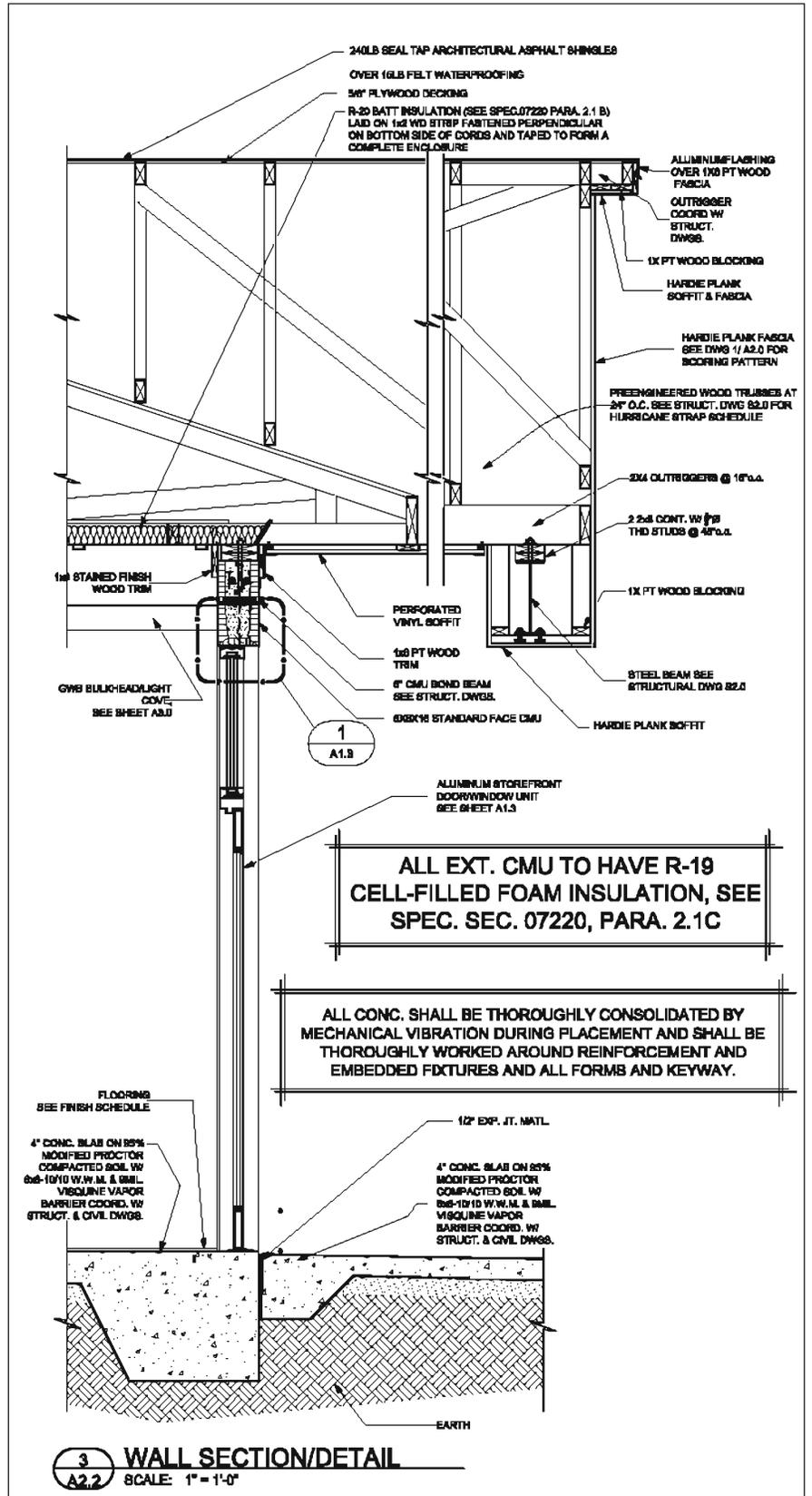
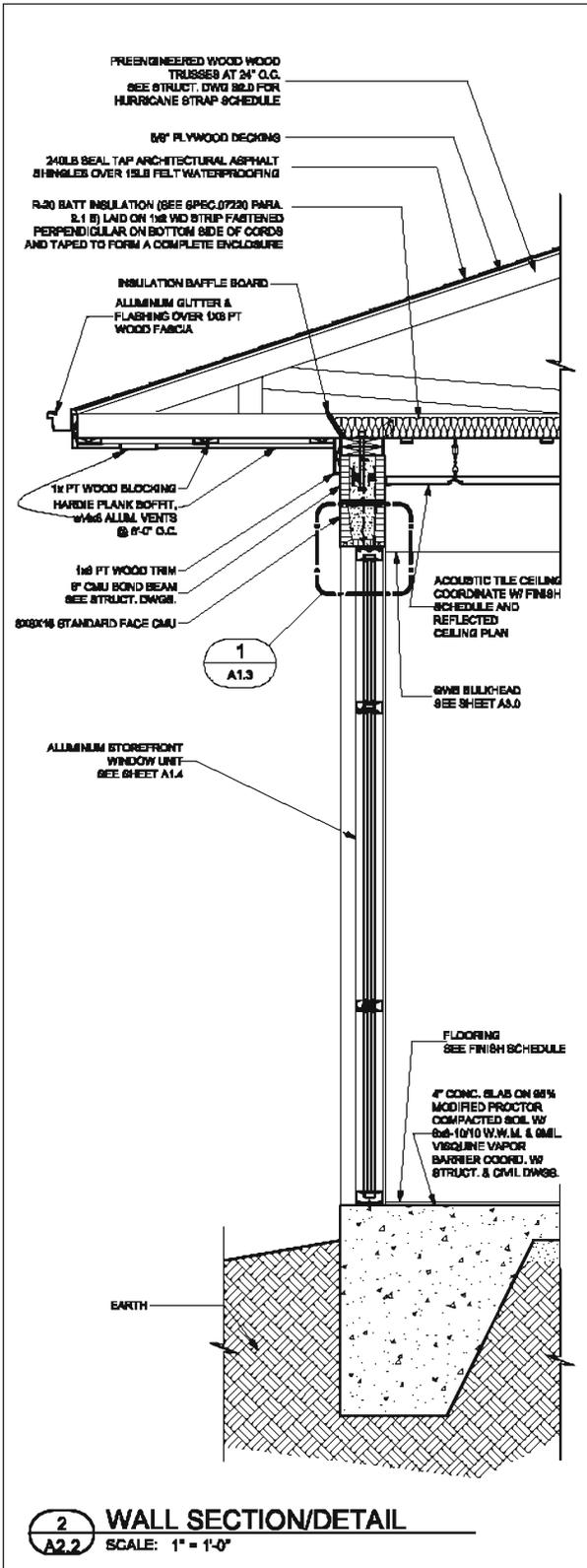


WINDOW NOTES:

1. PROVIDE INSULATED & TEMPERED GLASS AT ALL EXTERIOR GLAZING UP TO 8' A.F.F.
2. PROVIDE 1/4" TEMPERED GLASS AT ALL INTERIOR GLAZING UP TO 6' A.F.F., U.N.O.
3. PROVIDE CLEAR FINELITE AT ALL INTERIOR FINISHED OPENINGS
4. FRAME SIZES MAY VARY BETWEEN MANUFACTURERS. ADJUST GLAZING DIMENSIONS TO MATCH SPECIFIC MANUFACTURER PER SHOP DRAWING PROCEDURE.
5. ALL ALUMINUM FINISHES SHALL BE "PAINT" IN A RANGE OF AVAILABLE STAINLESS COLORS.
6. ALL EXTERIOR GLAZING SHALL BE TINTED AND ADJUST GLAZING DIMENSIONS TO MATCH SPECIFIC MANUFACTURER PER SHOP DRAWING PROCEDURE. COLOR TO BE SELECTED BY OWNER FROM A RANGE OF AVAILABLE STAINLESS COLORS FOR OWNER'S SELECTION.



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



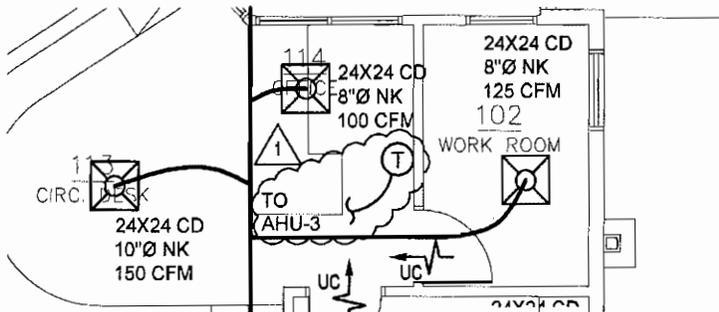
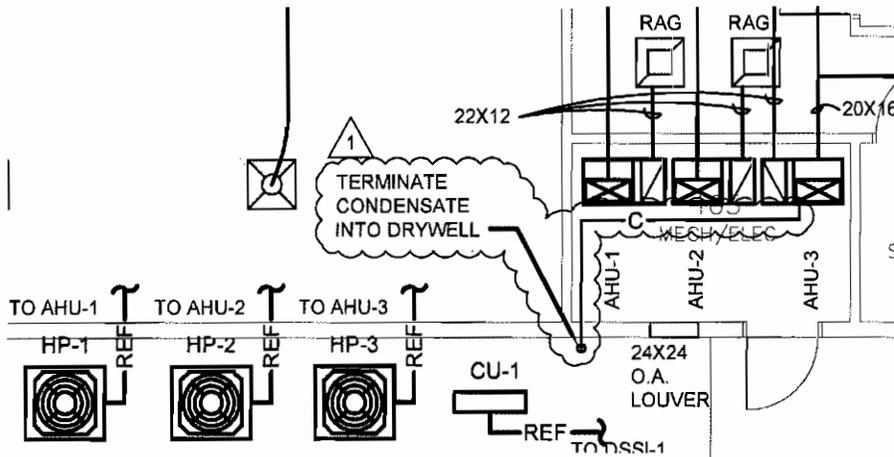
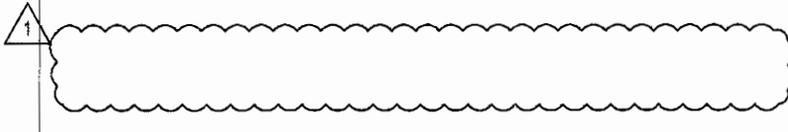
AKIN & ASSOCIATES ARCHITECTS, INC.
2603 W. Tharpe St. Suite A
Tallahassee, FL. 32303
Phone: 850-385-2546
Fax: 850-385-7063

Sketch No.: SK-4
Ref. Sht. No.: A2.2

NEW FT. WHITE BRANCH LIBRARY
FT. WHITE, FLORIDA
Revision No.: 1 Date: 03/22/10

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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2603 W. Tharpe St. Suite A
Tallahassee, FL. 32303
Phone: 850-385-2546
Fax: 850-385-7063



Sketch No.: MSK-3
Ref. Sht. No.: M1.1

NEW FT. WHITE BRANCH LIBRARY
FT. WHITE, FLORIDA
Revision No.: 1 Date: 03/22/10

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.

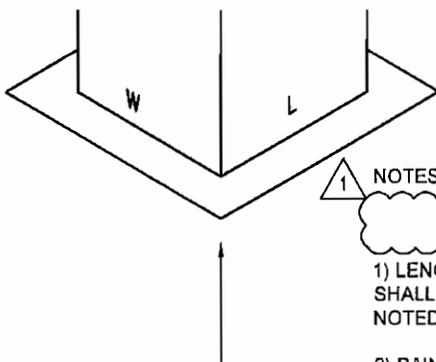
39. THE CONTRACTOR SHALL FURNISH A WRITTEN WARRANTY THAT SHALL GUARANTEE ALL WORKMANSHIP AND MATERIALS FOR ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE ARCHITECT. ANY BREAK-DOWN OCCURRING IN THE FIRST YEAR SHALL BE REPAIRED AT NO COST TO THE OWNER. A/C COMPRESSORS SHALL HAVE A 5 YEAR GUARANTEE.

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 EXISTING 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
3118 Capital Circle NE, Suite 9
Tallahassee, FL 32308

TEL: (850) 668-0186
FAX: (850) 668-1451
FL: CA27300
FL PE 90772

M E P
S O U T H E A S T
P.C.

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.: MO.1

NEW FT. WHITE BRANCH LIBRARY
FT. WHITE, FLORIDA

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

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	2	3
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:

- ACCEPTABLE ALTERNATE MANUFACTURER SHALL BE TRANE AND RHEEM.
- EVAPORATOR COILS SHALL BE TIN PLATED.

MECHANICAL
ELECTRICAL
PLUMBING
FIRE PROTECTION

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

TEL: (850) 668-0186
FAX: (850) 668-1451
FL: CA27300
FL PE 50772

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ARCHITECTURAL ENGINEERS

AKIN & ASSOCIATES ARCHITECTS, INC.
2603 W. Tharpe St. Suite A



AKIN & ASSOCIATES
ARCHITECTS, INC.

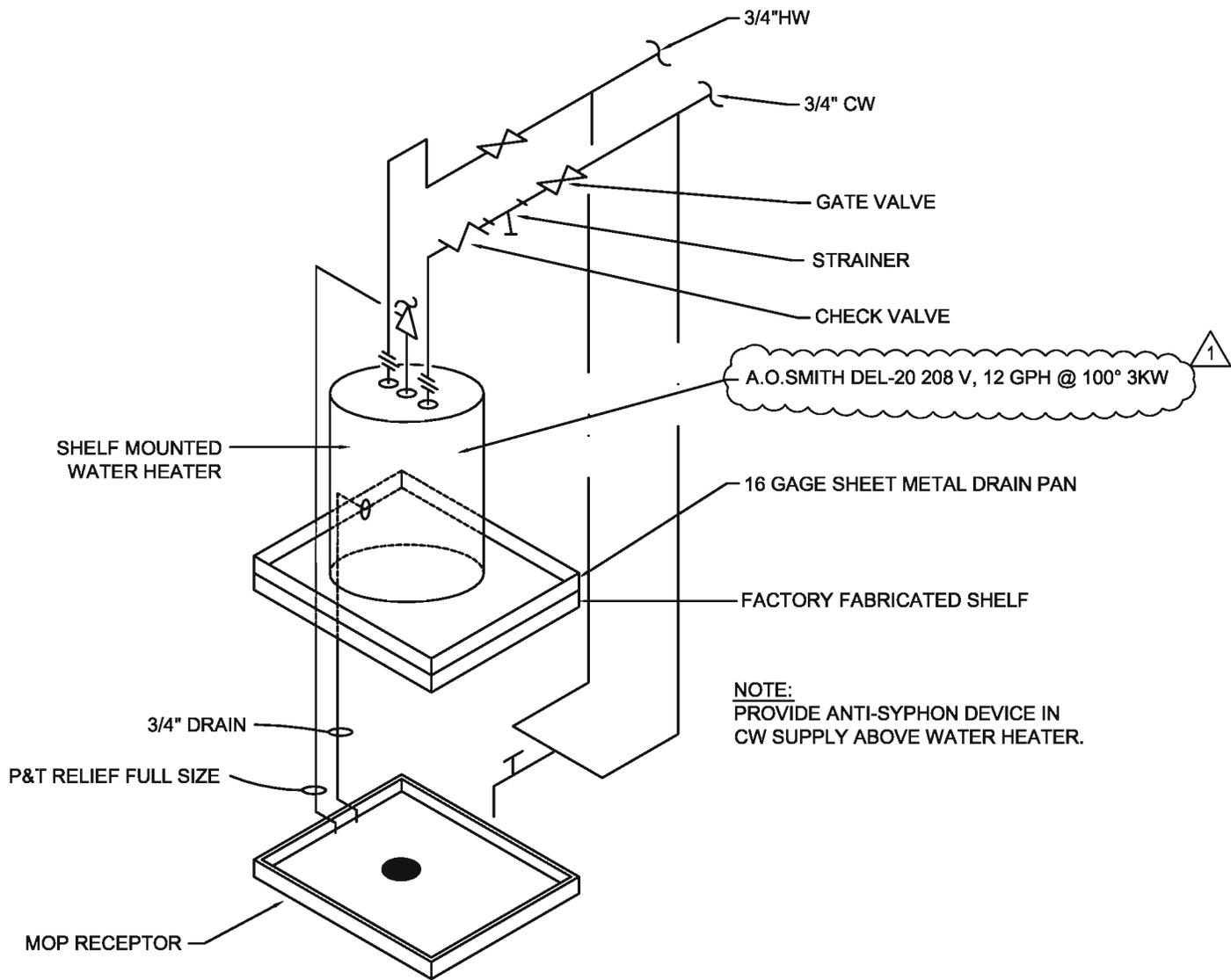
Tallahassee, FL 32303
Phone: 850-385-2546
Fax: 850-385-7063

Sketch No.: MSK-2

Ref. Sht. No.: MO.1

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

SCALE: NTS

MECHANICAL ELECTRICAL PLUMBING FIRE PROTECTION	www.MEPSoutheast.com 3116 Capital Circle NE, Suite 9 Tallahassee, FL 32308
TEL: (850) 868 - 0188 FAX: (850) 668 - 1451 FL-CA27300 FL PE 50772	 ARCHITECTURAL ENGINEERS

AKIN & ASSOCIATES ARCHITECTS, INC.
2603 W. Tharpe St. Suite A



AKIN & ASSOCIATES
ARCHITECTS, INC.

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

Sketch No.: PSK-1

Ref. Sht. No.: P2.1

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



JOB NO.	0006
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CHECKED	THG
DATE	02/07/06
REVISIONS :	
1	1/22/10 ADD ROOM #1

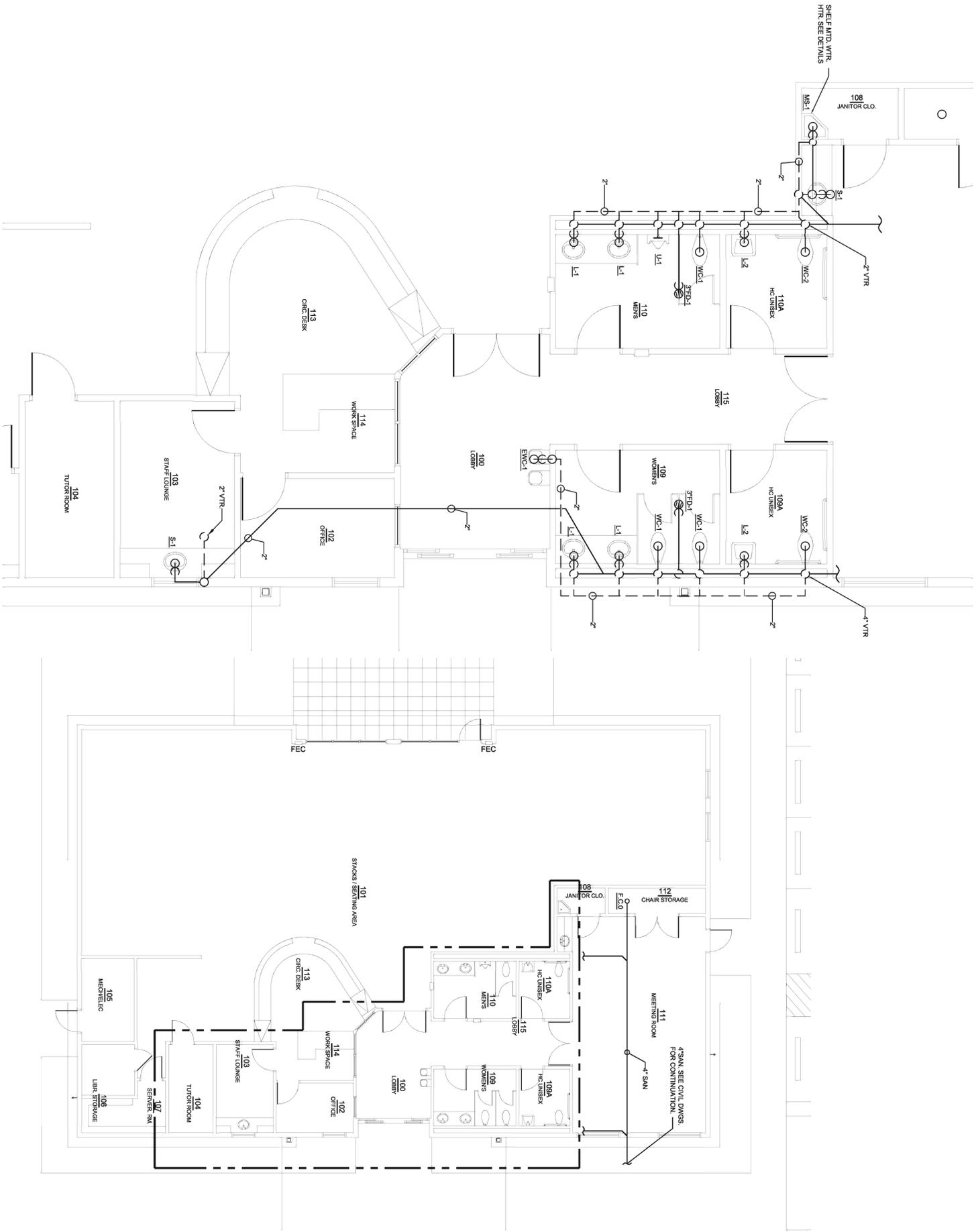
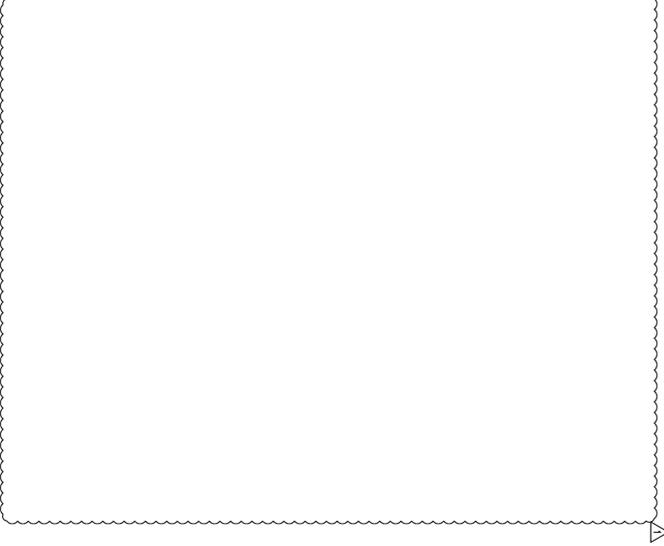
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CONSTRUCTION
DOCUMENTS

SHEET TITLE:
PLUMBING
SANITARY
PLAN &
DETAILS
SCALE:
AS SHOWN

SHEET NO.:
P1.1



ENLARGED SANITARY PLUMBING PLAN
SCALE: 1/4"=1'-0"

SANITARY PLUMBING PLAN
SCALE: 1/8"=1'-0"

MEP THE ASSOCIATES
ARCHITECTURAL ENGINEERS

3171
TALLAHASSEE, FL 32308

WWW.MEP-THA.COM
9
TALLAHASSEE, FL 32308

MECHANICAL
ELECTRICAL
PLUMBING
FIRE PROTECTION

TEL: (904) 848-4188
FAX: (904) 848-1491
FL C07290
FL PE 50772

DATE:	02/07/06
DESIGNED BY:	THE
CHECKED BY:	THE
REVISIONS:	1 / 1/27/10 / CORRECTED #1
DATE:	

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ELECTRICAL
LEGEND &
NOTES

AS SHOWN

SHEET NO.:
E0.1

TELEPHONE: (850) 886-4188
FAX: (850) 886-4181
E-MAIL: info@amin.com
WWW.AMIN.COM
3175 UNIVERSITY BLVD., SUITE 9
TALLAHASSEE, FL 32308

ARCHITECTURAL
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FIRE PROTECTION

MINOR REVISIONS

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BRANCH CIRCUITS:

- ALL WIRING AND BRANCH CIRCUITS ARE TO BE IN ACCORDANCE WITH THE 2008 EDITION CODES AND THE FOLLOWING DESIGN CRITERIA:
 - NO WIRING SHALL BE THAT IT SHALL BE USED FOR ANY LIGHTING OR IF BRIDGE FROM ELECTRICAL PANEL TO ANY FIXTURE CONNECTED TO A CIRCUIT EXCEEDS 10 FEET. USE ONE (1) TRAY OR SIZE LARGER, BUT NOT SMALLER THAN 10 O.D.
 - ALL CONDUITS ARE TO BE CONCEALED WITHIN WALLS & OR ABOVE CEILING. USE RACEWAYS TO BE LOOSE ABOVE CEILING.
 - ALL LOW VOLTAGE WIRING SHALL BE INSTALLED ABOVE CEILING. DO NOT SHALL BE STRICTLY ENFORCED.
- CONDUIT AND RACEWAYS ARE BASED ON PER A MINIMUM FOR CONDUCTORS OF #10 AWG AND LARGER. THIS IS TO CONFORM TO UL'S TESTING OF EQUIPMENT RATED CONDUCTORS. #10 CONDUIT SIZES SHALL NOT BE REDUCED FOR HIGHER RATED CONDUCTORS.
- FEEDERS OF NOMINAL AMPERAGE 250 AMP OR GREATER SHALL BE EQUIPPED WITH PULL BOXES. IN SUCH CASES EACH END OF THE CONDUIT SHALL BE FULL SIZE AND INSTALLED IN ACCORDANCE WITH ARTICLE 250 OF THE NEC.
- BRANCH CIRCUITS AND HOMERUNS SHALL BE #12 WIRE (AND 1/2" CONDUIT MINIMUM). EVERY CONDUIT SHALL HAVE GREEN GROUND WIRE #12 (MINIMUM).
- NO MORE THAN 3 PHASE CONDUCTORS SHALL BE INSTALLED IN ONE CONDUIT UNLESS NOTED OTHERWISE.
- NO SHARED NEUTRALS SHALL BE PERMITTED.
- ALL CONDUCTORS SHALL BE INSTALLED IN RIGID METAL CONDUIT OR RIGID ELECTRICAL CONDUIT. CONDUIT SHALL BE INSTALLED IN RIGID METAL CONDUIT OR RIGID ELECTRICAL CONDUIT. CONDUIT SHALL BE INSTALLED IN RIGID METAL CONDUIT OR RIGID ELECTRICAL CONDUIT. CONDUIT SHALL BE INSTALLED IN RIGID METAL CONDUIT OR RIGID ELECTRICAL CONDUIT.
- ALL BOXES AND RACEWAYS INSTALLED ABOVE GRADE SHALL BE FABRICATED OF METAL. ALL CONNECTORS, COUPLING AND FITTINGS SHALL BE STEEL COMPRESSION TYPE. CONNECTORS SHALL BE INSTALLED THROUGH TYPE.
- ALL ELECTRICAL BOXES SHALL HAVE SUPPORT BRACING AND SHALL BE FULLY SECURED.
- 4"x1-1/2" DEEP BOXES SHALL BE USED WITH PLASTER RING OF PROPER DEPTH TO MATCH.
- PROVIDE CONDUIT EXPANSION FITTINGS WITH BONDING JUMPERS FOR ALL CONDUITS PASSING THROUGH EXPANSION JOINTS.
- OUTLET BOXES OVER 16 SQUARE INCHES IN SIZE AND FIVE WALLS MUST BE 5/8" DIA. WITH SAME CONSTRUCTION AS WALL SYSTEM. WHERE RECEPTACLES ARE ON OPPOSITE SIDES OF FIVE WALL THERE SHALL BE 2" THICKNESS. SPACING BETWEEN THEM SHALL BE EQUAL TO THE WALL THICKNESS. ALL WALLS SHALL BE INSTALLED IN STEEL STUD SPACES.
- DO NOT MOUNT OUTLETS BACK TO BACK. THEY SHALL BE INSTALLED SEPARATE STUD SPACES.
- CONDUIT SHALL PASS THROUGH WALLS AT 90 DEGREES AND SHALL BE RUN PARALLEL TO AND PERPENDICULAR TO WALLS.
- ALL UNDERGROUND CONDUIT RINGS ENTERING THE BUILDING SHALL BE SEALED TO AVOID DOOR SWINGS WHERE REQUIRED.
- CONDUIT FOR RECEPTACLE CIRCUITS SHALL BE RUN OVERHEAD UNLESS NOTED OTHERWISE.
- ALL CONDUITS PENETRATING ROOF SHALL BE SEALED BY THE ELECTRICAL CONTRACTOR. USING SEALING METHOD PROVIDED BY THE ROOFING INSTALLER.
- ALL WALL AND FLOOR PENETRATIONS SHALL BE SEALED TO MAINTAIN THE RATING OF THE WALL OR FLOOR.
- CONDUIT SIZES ARE BASED ON SCHEDULE 40 PVC AND THIN INSULATION AND SHALL NOT BE REDUCED FOR DIFFERENT CONDUIT OR INSULATION TYPES.

DEVICES:

- ALL RECEPTACLES AND LIGHT SWITCHES ARE TO BE SPECIFICATION GRADE WIRING DEVICES. SEE WIRING SCHEDULE FOR SPECIFIC TYPES.
- ALL DEVICES SHALL BE 20 AMP DEVICES.
- ALL CONVENIENCE OUTLETS IN TOILETS, WITHIN 6'-0" OF SINKS, AND INSTALLED IN EXTERIOR LOCATIONS SHALL BE GFI.
- ALL RECEPTACLE BEBIDE SINKS SHALL BE LOCATED AT LEAST 4" HORIZONTALLY FROM THE TOILET DISPENSER. UNDER NO CONDITION SHALL A RECEPTACLE BE LOCATED WITHIN 6'-0" OF A SINK.
- COLOR OF ALL RECEPTACLES SWITCHES ETC SHALL BE GRAY. COVERS/PLATES SHALL BE WHITE.
- PROVIDE CONDUIT AND OUTLET BOXES AS REQUIRED FOR THERMOSTATS.
- THESE SHALL BE INSTALLED IN RIGID METAL CONDUIT.
- WHERE RECEPTACLES ARE INDICATED TO BE EQUIPPED WITH GROUND FAULT INTERRUPTERS (GFI) THEY SHALL BE INSTALLED WITH GROUND FAULT INTERRUPTERS. MECHANISM INTEGRAL WITH THE DEVICE. REMOTE TEST RESET ON THE INTERRUPTER SHALL BE PROVIDED WITHIN 10' OF THE INTERRUPTER.
- WHERE RECEPTACLES ARE INDICATED TO BE EQUIPPED WITH GROUND FAULT INTERRUPTERS (GFI) THEY SHALL BE INSTALLED WITH GROUND FAULT INTERRUPTERS. MECHANISM INTEGRAL WITH THE DEVICE. REMOTE TEST RESET ON THE INTERRUPTER SHALL BE PROVIDED WITHIN 10' OF THE INTERRUPTER.

GROUNDING:

- RACEWAYS ARE TO BE BOND TO PROVIDE ELECTRICAL CONTINUITY.
- PROVIDE BONDING JUMPER CONNECTING GROUND BUS TO ENCLOSURE IN PANELS.
- AN EQUIPMENT GROUNDING CONDUCTOR IS REQUIRED AT ALL POINTS OF THE ELECTRICAL SYSTEM. GROUNDING TO MEET OR EXCEED NEC REQUIREMENTS.
- ALL CONDUIT SHALL INCLUDE GROUNDING WIRE SIZED PER ARTICLE 250 NEC.
- RACEWAY SYSTEMS CONTAINING SECONDARY SERVICE CONDUCTORS AND GROUNDING CONDUCTORS SHALL BE BONDING PER ARTICLE 250 NEC.

GEAR:

- ALL PANELS TO BE LABELED CORRECTLY AND HAVE TYPED DIRECTORIES.
- MAINTAIN MINIMUM CLEARANCE IN FRONT OF ALL SAFETY SWITCHES AND PANELS.
- PROVIDE 5/8" DIA CONDUCTORS TO THE TORSIONERS. ALL TORSIONERS SHALL BE EXACTLY THE SAME LENGTH AND NO LONGER THAN 12" CONDUCTORS SHALL BE TIGHTENED TOGETHER AND FREE OF ANY SHARP BENDS OR KINKS.
- ALL GEARS SHALL BE FLUENT OILY GRADE.
- ALL PANELS / RACKS SHALL BE BOLT-IN STYLE.

POWER LEGEND

SYMBOL	DESCRIPTION
⊖	SMALL EX RECEPTACLE, NEMA 5-20R, MOUNT AT 18" AFF UNLESS NOTED OTHERWISE
⊖	DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT 18" AFF UNLESS NOTED OTHERWISE
⊖	DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT 3" ABOVE COUNTER OR BACKSPLASH ON 3/4" AFF UNLESS NOTED OTHERWISE
⊖	DUPLEX RECEPTACLE, NEMA 5-20R, WITH GROUND FAULT INTERRUPTER, MOUNT AT 18" AFF UNLESS NOTED OTHERWISE
⊖	DUPLEX RECEPTACLE, NEMA 5-20R, SAFETY TYPE (GAMER PROOF), MOUNT AT 18" AFF UNLESS NOTED OTHERWISE
⊖	DUPLEX RECEPTACLE, NEMA 5-20R, WITH INSULATED WEATHERPROOF COVER, MOUNT AT 18" AFF UNLESS NOTED OTHERWISE
⊖	DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT 18" AFF UNLESS NOTED OTHERWISE
⊖	SMALL EX RECEPTACLE, NEMA 5-20R FOR ELECTRIC WATER COOLER, MOUNT CONCEALED WITHIN COOLER HOUSING, OUT OF VIEW, COORDINATE WITH DIVISION 15
⊖	FLUSH FLOOR MOUNTED OUTLET BOX WITH DUPLEX RECEPTACLE & CAST IRON SINGLE GANG WITH BRUSHED ALUMINUM FLANGE AND COVER PLATE
⊖	COMBINATION FLUSH FLOOR MOUNTED OUTLET BOX WITH DUPLEX RECEPTACLE AND COVER PLATE WITH CAST IRON TWO GANG WITH BRUSHED ALUMINUM FLANGE AND COVER PLATE MOUNTED IN OR ABOVE FINISHED CEILING WITH INSULATING BUSHING
⊖	JUNCTION BOX MOUNTED IN OR ABOVE FINISHED CEILING
⊖	WALL MOUNTED JUNCTION BOX, MOUNT AT 18" AFF UNLESS NOTED OTHERWISE
⊖	HEAVY DUTY DISCONNECT SWITCH, SIZE, TYPE AND RATED AS SHOWN ON PLANS
⊖	2000V SURFACE MOUNTED PANE BOARD, SEE PANE BOARD SCHEDULE FOR SPECIFIC REQUIREMENTS
⊖	TRANSIENT VOLTAGE SURGE SUPPRESSION ASSEMBLY
⊖	LIGHTING CONTACTOR, SEE LIGHTING CONTROL DETAIL FOR REQUIREMENTS
⊖	TIME CLOCK, SEE LIGHTING CONTROL DETAIL FOR REQUIREMENTS
⊖	RELAY - RATING AS SHOWN
⊖	CONNECT TO EXHAUST FAN, PROVIDED AND INSTALLED BY OTHERS.
⊖	CONNECT TO ELECTRIC WATER HEATER, PROVIDED AND INSTALLED BY OTHERS.

SITE WORK NOTES:

- COORDINATE ALL WORK WITH WORK SHOWN ON CIVIL PLANS.
- REFER TO ALL OTHER SITES AND UTILITY PLANS AND RELATED WORK TO COORDINATE WITH OTHER TRADERS.
- FINISHES AND INSTALL SERVICE LATERALS, SERVICE ENTRANCES, AND EQUIPMENT WHERE INDICATED ON THE PLANS.
- WORK DONE UNDER THIS SECTION SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL ELECTRIC SAFETY CODE (NESC) UNLESS OTHERWISE NOTED.
- UNDERGROUND SERVICE SHALL BE 3 PHASE, 4 WIRE, 120/208 VOLTAGE AND SHALL BE UNDERGROUND TO THE SERVICE ENTRANCE DISCONNECT SWITCH. SERVICE SHALL BE 40' AFF UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL EXTEND SECONDARY CONDUIT A MINIMUM OF 7' ABOVE THE PAD TRANSFORMER (S) SET OF SECONDARY CONDUITS ABOVE THE PAD MOUNTED TRANSFORMER.
- THE CONTRACTOR SHALL FINISH ALL SECONDARY RECEPTACLES AND CONDUCTORS FROM THE BUILDING WITH 24" MINIMUM COVER. TO THE PAD MOUNTED TRANSFORMER, SEE POWER RISER DIAGRAM FOR DETAILS.
- SECONDARY CONDUIT MAY BE EITHER RIGID OR SCHEDULE 40 (OR HEAVEN 10) UNLESS NOTED OTHERWISE. ALL RIGID RIGID GRADE MUST BE FINISHED WITH TWO COATINGS OF ALL 90 DEGREE BENDS SHALL BE RIGID.
- THE CONTRACTOR SHALL PROVIDE A GUANTANERO OR ALUMINUM OF CABINET WITH PLYWOOD BACKBOARD, SIZED PER POWER COMPANY REQUIREMENTS.
- THE WEATHER DEPARTMENT SHALL FINISH METERS CAN AND CONTRACTOR SHALL INSTALL SECURELY ON THE CT CABINET WITH 1" MINUTE.
- METER LOCATION SHALL BE APPROVED BY COM METERS DEPARTMENT. THE DRAWINGS INDICATE A PROPOSED LOCATION.
- PROVIDE CONDUIT FROM THE TELEPHONE TERMINAL BOARD TO BOTH THE TELEPHONE PALLETS AND ALL CONDUITS.
- BURY CONDUITS FOR TELECOM SERVICE A MINIMUM OF 24" BELOW FINAL GRADE.
- STAR OUT CONDUITS AND COPS AT THE RECEPTACLE AND 4" ABOVE THE COVER AT THE TELEPHONE TERMINAL BOARD. USE STANWARD ELECTRICAL SWEETS AS REFERRED TO DEGREE BENDS ARE NOT ALLOWED.
- POINT OF SERVICE AT THE FEDERAL SHALL BE DETERMINED BY THE TELEPHONE COMPANY. THIS SHOULD BE STAVED BY THE TELEPHONE COMPANY ENGINEER.
- NOTIFY THE TELEPHONE COMPANY ENGINEERING DEPARTMENT, PREFERABLY IN WRITING, SO THAT ENTRANCE CABLE CAN BE PLACED 30 DAYS BEFORE THE ESTABLISHMENT OF THE NEW TELEPHONE SERVICE TO THE BUILDING.
- ALL CONDUITS SHALL BE FOR THE EXCLUSIVE USE OF THE SERVICE FOR WHICH THEY ARE INSTALLED. CONDUITS SHALL BE IDENTIFIED BY THE NATIONAL ELECTRICAL CODE (NEC) AND MAINTAIN SEPARATIONS AS REQUIRED BY THE NATIONAL ELECTRICAL CODE (NEC).
- DOORS ON UNFINISHED PROFILES SHALL BE POST PAINTED STEEL WITH MITERED CORNERS. PRE-PAINTED HOUSINGS ARE ACCEPTABLE.

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AFB	RANGE FINISHED 4'-00" MOUNTING HEIGHT TO CENTERLINE OF DEVICE / OUTLET UNLESS NOTED OTHERWISE
BFC	BELOW FINISHED CEILING - MOUNTING HEIGHT TO CENTERLINE OF DEVICE / OUTLET UNLESS NOTED OTHERWISE
C	CONDUIT
CU	COPPER
G	GROUND
LMC	LIQUIDTITE FLEXIBLE METAL CONDUIT
NA	NOT APPLICABLE
NF	NON-FUSED
RSS	RIGID GALVANIZED STEEL
UNO	UNLESS NOTED OTHERWISE
WP	WEATHER PROOF (NEMA 3R)

SYSTEMS LEGEND

SYMBOL	DESCRIPTION
▲	TELECOM OUTLET JUNCTION BOX, MOUNT 18" AFF WITH 3/4" DIA. ABOVE FINISHED CEILING WITH INSULATING BUSHING
▲	TELECOM OUTLET JUNCTION BOX, WALL SET, MOUNT 4'-0" AFF WITH 3/4" DIA. ABOVE FINISHED CEILING WITH INSULATING BUSHING
▲	TELECOM OUTLET JUNCTION BOX, MOUNT 2' ABOVE COUNTER OR BACKSPLASH OR 3'-6" AFF IF NO COUNTER WITH 3/4" DIA. ABOVE FINISHED CEILING WITH INSULATING BUSHING
▬	TELECOM BACKBOARD, SEE TELECOM RISER DIAGRAM FOR DETAILS
▬	TELECOM GROUND BAR, SEE TELECOM RISER DIAGRAM FOR DETAILS

LIGHTING LEGEND

SYMBOL	DESCRIPTION
⊖	SINGLE POLE FLUSH TYPE SWITCH, 20A, 120/277V AC ONLY, QUIET TYPE, MOUNT AT 42" AFF UNLESS NOTED OTHERWISE
⊖	TWO POLE FLUSH TYPE SWITCH, 30A, 120/277V AC ONLY, QUIET TYPE, MOUNT AT 42" AFF UNLESS NOTED OTHERWISE
⊖	THREE POLE FLUSH TYPE SWITCH, 20A, 120/277V AC ONLY, QUIET TYPE, MOUNT AT 42" AFF UNLESS NOTED OTHERWISE
⊖	FLUSH TYPE SWITCH THAT CONTROLS A OUTLET 'X' ETC. REFER TO OTHER SYMBOLS OTHERWISE
⊖	RECESSED DOWNLIGHT, 2' DIA, VARYING AS BEING FOR MULTILINGUAL INSTALLATION USE MULTILINGUAL FACEPLATE AND REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS (GIBBY LIGHTING SYSTEMS SERIES), MOUNT AT 42" AFF UNLESS NOTED OTHERWISE
⊖	WALL SWITCH OCCUPANCY SENSOR, PASSIVE DUAL TECHNOLOGY, SENSOR SWITCH #MSD-P1-VERY COLOR, MOUNT AT 42" AFF UNLESS NOTED OTHERWISE
⊖	LINE VOLTAGE CEILING MOUNTED OCCUPANCY SENSOR, PASSIVE DUAL TECHNOLOGY, SENSOR SWITCH #MSD-P1
⊖	SURFACE MOUNTED LIGHT FIXTURE, SEE LIGHTING FIXTURE SCHEDULE FOR SPECIFIC REQUIREMENTS
⊖	SURFACE MOUNTED LIGHT FIXTURE WITH SELF-CONTAINED EMERGENCY BACKUP BATTERY PACK, SEE LIGHTING FIXTURE SCHEDULE FOR SPECIFIC REQUIREMENTS
⊖	2x2 RECESSED MOUNTED LIGHT FIXTURE WITH SELF-CONTAINED EMERGENCY BACKUP BATTERY PACK, SEE LIGHTING FIXTURE SCHEDULE FOR SPECIFIC REQUIREMENTS
⊖	2x4 RECESSED MOUNTED LIGHT FIXTURE, SEE LIGHTING FIXTURE SCHEDULE FOR SPECIFIC REQUIREMENTS
⊖	RECESSED MOUNTED LIGHT FIXTURE WITH SELF-CONTAINED EMERGENCY BACKUP BATTERY PACK, SEE LIGHTING FIXTURE SCHEDULE FOR SPECIFIC REQUIREMENTS
⊖	SURFACE MOUNTED OR CHAIN HUNG STRIP LIGHT FIXTURE WITH WIRE GUARD, AND SURFACE MOUNTED OR CHAIN HUNG STRIP LIGHT FIXTURE WITH WIRE GUARD, SEE LIGHTING FIXTURE SCHEDULE FOR SPECIFIC REQUIREMENTS
⊖	CEILING MOUNTED DOWNLIGHT FIXTURE, SEE LIGHTING FIXTURE SCHEDULE FOR SPECIFIC REQUIREMENTS
⊖	WALL MOUNTED LIGHT FIXTURE, SEE LIGHTING FIXTURE SCHEDULE FOR SPECIFIC REQUIREMENTS
⊖	CEILING MOUNTED DOWNLIGHT, NUMBER AND SPECIFIC OF FIXTURES AS SHOWN BY COLORED IN SECTION, PROVIDE CHROMA ARROWS AS INDICATED ON PLANS, SEE LIGHTING FIXTURE SCHEDULE FOR SPECIFIC REQUIREMENTS

GENERAL

- ELECTRICAL INSTALLATION MUST MEET LOCAL CODES AND THE REQUIREMENTS CONTAINED IN THE 2008 NEC.
- THE CONTRACTOR SHALL FINISH ALL MATERIALS, EQUIPMENT, SERVICES, AND LABOR TO THE SCOPE OF WORK HEREIN SPECIFIED.
- ALL MATERIALS AND EQUIPMENT SHALL BEAT THE UNDERWRITERS LABORATORIES, INC. (UL) LISTED AND APPROVED FOR THE USE OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL ELECTRICAL SAFETY CODE (NESC). ALL SYSTEMS SHALL SHOW PROPER NEUTRAL CONNECTIONS. ALL SYSTEMS SHALL SHOW PROPER NEUTRAL CONNECTIONS.
- ALL WIRING SHALL BE INSTALLED IN A WORKMANLIKE MANNER BY EXPERIENCED ELECTRICIANS AND APPROVED BY THE ELECTRICAL CONTRACTOR. ALL SYSTEMS SHALL SHOW PROPER NEUTRAL CONNECTIONS. ALL SYSTEMS SHALL SHOW PROPER NEUTRAL CONNECTIONS.
- ALL WIRING SHALL BE INSTALLED IN A WORKMANLIKE MANNER BY EXPERIENCED ELECTRICIANS AND APPROVED BY THE ELECTRICAL CONTRACTOR. ALL SYSTEMS SHALL SHOW PROPER NEUTRAL CONNECTIONS. ALL SYSTEMS SHALL SHOW PROPER NEUTRAL CONNECTIONS.
- ALL WORK INDICATED FOR THE COMPLETE WORKING SYSTEM ALL UNDESIRABLE ITEMS ARE TO BE INCLUDED, INCLUDING ALL LABOR AND MATERIALS TO COMPLETE THE SYSTEM.
- PHASING SHALL BE COORDINATED AND IN COMPLIANCE WITH ALL PHASING DRAWINGS AND NOTES.
- PHASE TO ANY ROUGH-IN CONTRACTOR TO PROVIDE SCALED DRAWINGS WITH ACTUAL DIMENSIONS OF ALL PROVIDED EQUIPMENT, INCLUDING CONDUITS AND RIGID METAL CONDUIT, CABINETS, ETC. FOR APPROVAL. DRAWINGS WILL SHOW MECHANICAL, PLUMBING AND ARCHITECTURAL AS WELL AS ELECTRICAL EQUIPMENT.
- PRIOR TO ROUGH-IN CONTRACTOR TO PROVIDE SCALED WALL EVALUATIONS WHERE ALL ALARM SIGNAL CABINETS, ETC ARE INSTALLED IN OTHER THAN MECHANICAL AND ELECTRICAL CLOSETS BY CONTRACTOR.
- ALL ITEMS ON PLANS ARE NEW UNLESS NOTED OTHERWISE.
- ALL EXTERIOR ELECTRICAL EQUIPMENT SHALL BE WEATHERPROOF.
- ELECTRICAL CONTRACTOR IS TO COORDINATE WITH MECHANICAL CONTRACTOR TO AVOID CONFLICTS BETWEEN LOCATIONS OF DIFFUSERS AND LIGHT FIXTURES.
- CONTRACTOR SHALL VERIFY LOCATION AND ELECTRICAL REQUIREMENTS FOR ALL EQUIPMENT UNLESS OTHERWISE NOTED OTHERWISE.
- COORDINATE WITH ALL MECHANICAL TRADERS FOR SPACE REQUIREMENTS IN MECHANICAL ROOMS, CORRIDORS, SHIFTS ABOVE CEILING, ETC. THIS INCLUDES SPACE ABOVE PANELS WHERE DUCTS AND PIPING ARE PROHIBITED.
- FOR EXACT LOCATIONS OF MECHANICAL EQUIPMENT, SEE MECHANICAL PLANS.
- SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL CEILING MOUNTED EQUIPMENT.
- ALL CEILING MOUNTED AND WALL MOUNTED EQUIPMENT OR SERVICES SHALL BE LOCKED TO AVOID DOOR SWINGS WHERE REQUIRED.
- AVAILABLE SPACE ABOVE CEILING IS ESTIMATED. LIMITED SEE ARCHITECTURAL DRAWINGS FOR SCHEDULE CEILING HEIGHTS. COMPLETE COORDINATION AND COOPERATION WITH ALL TRADERS IS MANDATORY FAILURE TO COORDINATE WORK WITHIN SUBJECT AREA AT NO ADDITIONAL COST TO THE OWNER. ANY CEILING WHICH MAY HAVE TO BE LOWERED FOR SCHEDULED CEILING HEIGHT SHALL BE APPROVED BY THE ARCHITECT BEFORE PROCEEDING WITH WORK.
- CONTRACTOR IS TO VERIFY DOOR SWINGS WITH ARCHITECTURAL DRAWINGS BEFORE DOOR UNLESS OTHERWISE NOTED UPON.
- THE ELECTRICAL CONTRACTORS SHALL ADJUST RANGES AND OUTLETS AS NECESSARY TO COORDINATE WITH VARIOUS ARCHITECTURAL ELEMENTS SUCH AS COUNTER TOPS, BACK SPLASHES, CASEWORK, MARKER BOARDS, EQUIPMENT, ETC. AS SHOWN ON ARCHITECTURAL DRAWINGS. CONTRACTOR SHALL NOTIFY OWNER OF ANY DISCREPANCIES.
- PROVIDE EMERGENCY AND EXIT LIGHTING TO CONFORM TO OCCUPANCY LOAD REQUIREMENTS PER NFPA 101.
- WIRE RATED AT 60% IS REQUIRED FOR ALL INCANDESCENT LIGHT FIXTURES.
- THE LOCATION OF FIXTURES IN MECHANICAL ROOMS, COMMUNICATIONS MACHINES ROOMS, ETC. SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL ELECTRICAL SAFETY CODE (NESC) UNLESS OTHERWISE NOTED.
- ALL FLUORESCENT FIXTURES SHALL CONFORM TO UL 1570. ALL HIGH INTENSITY DISCHARGE FIXTURES SHALL CONFORM TO UL 1571.
- ALL FLUORESCENT FIXTURES INCLUDING COMPACT FLUORESCENT TYPES ARE TO BE INSTALLED WITH ELECTRICAL SHIELDS UNLESS SPECIFICALLY INDICATED OTHERWISE.
- ALL FLUORESCENT CHANNEL FIXTURES SHALL BE INSTALLED WITH MANUFACTURERS SPECIFIED WIRE GUARD.
- ALL DOWNLIGHT FIXTURES SHALL BE INSTALLED WITH MANUFACTURER PROVIDED BAR HANGERS.
- MOULDED HEIGHTS INDICATED ARE ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE.
- SEE LIGHTING CONTROL DETAIL FOR LIGHTING CIRCUITS THAT ARE TIME-LOCK CONTROLLED.
- FLUORESCENT EMERGENCY BATTERY BALLAST SHALL BE CAPABLE OF DRIVING (1) FOUR AND MOUNTED WITHIN FIXTURE. PROVIDE TEST SWITCH AND CHARGING INDICATOR LIGHT IN FIXTURE OR CEILING ADJACENT TO FIXTURE.
- ALL EXIT SIGNS AND EMERGENCY EXIT EQUIPMENT SHALL BE SUITABLE FOR OPERATION AT 120 OR 277 VOLTS.
- INSTALL EXIT LIGHTS WITH A MINIMUM 1/2" DIA CONNECTION TO OUTLET BOX. RIGID CONDUIT OR TUBING SHALL NOT BE ATTACHED DIRECTLY TO EXIT FIXTURE HOUSING.
- ALL RECESSED FIXTURES SHALL BE COMPLETELY APPROPRIATE FRAME FOR THE CEILING TYPE IN WHICH IT SHALL BE INSTALLED. A PARTICULAR FIXTURE FRAME MAY BE USED IF IT IS IDENTIFIED AS SUCH IN THE MANUFACTURERS INSTALLATION INSTRUCTIONS. ALL RECESSED FIXTURES SHALL BE IDENTIFIED AS SUCH IN THE MANUFACTURERS INSTALLATION INSTRUCTIONS.
- STEEL USED IN FABRICATION OF LIGHT FIXTURES SHALL BE NOT LESS THAN 22 GA. THOUGH PRE-PANCHED STEEL HOUSING IS ACCEPTABLE.
- ALL LENSES USED IN RECESSED THROFFERS SHALL BE PREMIUM NO. 12 PATTERN, NOMINAL 0.125" THICKNESS.
- DOORS ON UNFINISHED PROFILES SHALL BE POST PAINTED STEEL WITH MITERED CORNERS. PRE-PAINTED HOUSINGS ARE ACCEPTABLE.

