

LEON COUNTY – FRED GEORGE GREENWAY WELCOME CENTER RENOVATION

Tallahassee

Florida



14050
PROJECT CODE

16 AUGUST 2013
DATE

REVISED	
△	*20 December 2013
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Leon County
Fred George Greenway
Welcome Center
Renovation
Tallahassee Florida

CS-1

HANDICAP STANDARDS

HANDICAP STANDARDS AND REQUIREMENTS

THE FOLLOWING DIMENSIONS AND STANDARDS ARE TO BE ADHERED TO AND ARE A PART OF THESE DRAWINGS. THESE REQUIREMENTS SUPERSEDE ANY INCONSISTENCY THAT MAY EXIST.

WALKWAYS:

MIN. WIDTH 44"
ABRUPT CHANGES 1/2"

SLOPE 1:20 MAX.
RESTRAINTS HANDRAILS IF RAMP IS OVER 6' LINEAL FT.
34" HANDRAIL HT.
EXTEND HANDRAIL 18" AT TOP & BOTTOM

SURFACE 36" x 60" MIN. LEVEL LANDING IF DOOR
LANDINGS BUNGES IN 60" x 60" LEVEL LANDING
IF DOOR BUNGES OUT WITH 18" CLEARANCE
LATCH SIDE OF DOOR

WHEELCHAIRS:

ACCESSIBILITY PRIMARY ENTRIES SHALL BE ACCESSIBLE

DOORS AND DOORWAYS:

MINIMUM CLEARANCE 32"
LANES, TURNSTILES, GATES, ETC. 32"
CLEARANCE, BUNGE DIRECTION 60"
MAXIMUM FLOOR LEVEL CHANGE 1/2"

FLOORS:

SURFACE NON-SLIP

RESTROOMS

GENDER SIGNS MEN AND WOMEN
HALL WIDTH TO RESTROOM 44" MIN.
CLEARANCE TO APPROACH FIXTURES 60" DIAMETER FOR 180 DEGREE TURN
LAVATORY 29" MIN. CLEARANCE UNDER APRON
34" TO TOP OF BASIN
MIRROR AND SHELF 40" MAX. HEIGHT TO BOTTOM
HANDICAP TOILET 32" MIN. DOOR WIDTH
1-1/2" DIAMETER GRAB BAR (SIDE & BACK)
33" HT. TO TOP OF GRAB BAR
1-1/2" CLEARANCE TO WALL
3/8" LG. BACK GRAB BAR
42" LG. SIDE GRAB BAR
PROVIDE CENTER SUPPORT IF BAR IS
GREATER THAN 32" LONG
19" TO TOP OF WATER CLOSET SEAT

RACKS DISPENSERS AND DISPOSALS 40" MAX. HEIGHT

CONTROLS:

ACCESSIBILITY SWITCHES AND CONTROLS FOR HEAT,
VENTILATION, BEARING, FIRE ALARMS,

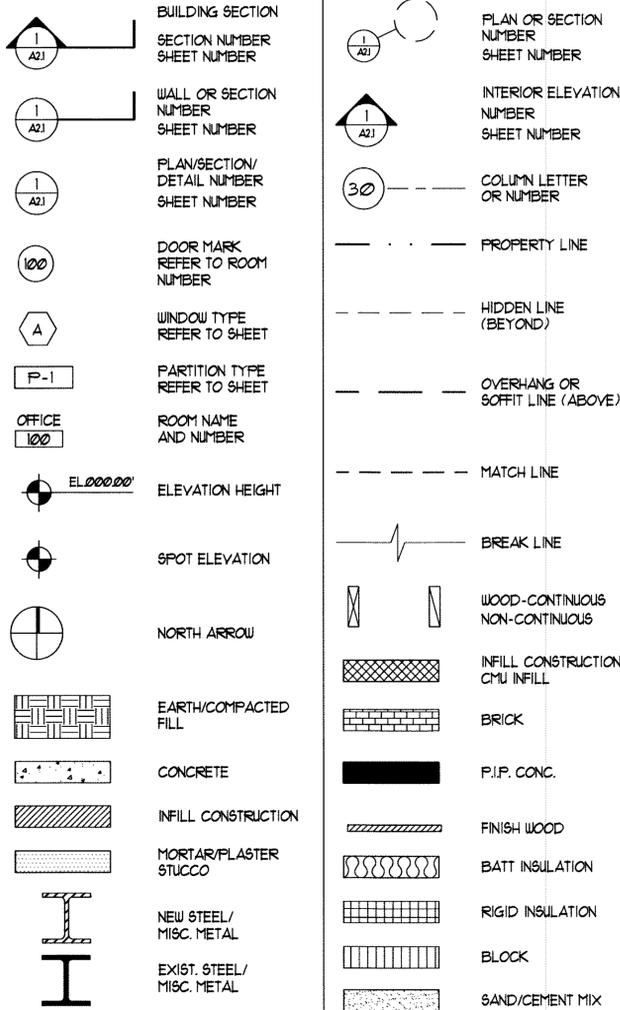
WARNING SIGNALS:

ALERT PROVIDE AUDIBLE AND VISUAL IF EITHER
IS REQUIRED

HAZARDS:

ACCESS PANELS AND HANHOLES NOT ALLOWED
N FLOOR NOT ALLOWED
HAZARDOUS AREAS BARRICADED NOT ALLOWED
LOW HANGING DOOR CLOSERS NOT ALLOWED
RAMP LIGHTING AS PER ANSI A117.1
EXIT SIGNS AS PER ANSI A117.1

GENERAL LEGEND



ABBREVIATIONS

AC. AIR CONDITIONED	M. MOTOR
ACT. ACQUISITION PANEL	MAINT. MAINTENANCE
AFT. ABOVE FINISH FLOOR	MAX. MAXIMUM
AHL. AIR HANDLING UNIT	MD.P. MAIN DISTRIBUTION PANEL
AJ. ACQUISITION JOINT	MECH. MECHANICAL
ALT. ALTERNATE	MTL. METAL
ALUM. ALUMINUM	FIN. FINISH
AMP.A. AMPERES	MISC. MISCELLANEOUS
AN. ANODIZED	MO. MASONRY OPENING
APPROX. APPROXIMATELY	MOD.BIT. MODIFIED BITUMEN
ARCH. ARCHITECTURAL	MR. MOISTURE RESISTANT
B. BOTTOM	MT. METAL THRESHOLD
BD. BOARD	MTD. MOUNTED
BLDG. BUILDING	MTG. MOUNTING
BLK. BLOCK	N. NORTH
BM. BEAM	NA. NOT APPLICABLE
BAL. BALANCE	N.C. NOT IN CONTRACT
BRR. BEARING	NO. NUMBER
BTM. BRITISH THERMAL UNIT/HOUR	NTS. NOT TO SCALE
C. CONDUIT	O.C. ON CENTER
CAB. CABINET	OD. OUTSIDE DIAMETER
CAP. CAPACITY	OH. OVERHEAD
CB. CIRCUIT BREAKER	OPNS. OPENING
C.D. CEILING DIFFUSER	OPP. OPPOSITE
CL. CENTER LINE	P. LAM. PLASTIC LAMINATE
CER. CERAMIC	PART. PARTITION
CFM. CUBIC FEET/MINUTE	PC. PRECAST CONCRETE
CIRC. CIRCULATING	PER. PERIMETER
CL. CAST IRON	PL. PLATE
CR. CIRC. CLEAR	PLBG. PLUMBING
CL. CEILING	PLYWD. PLYWOOD
CLG. CONCRETE MASONRY UNIT	PNL. PANEL
CO. CLEAN OUT	PRESG. PRESSURE
CPT. CARPET	PSF. POUNDS/SQUARE FOOT
COL. COLUMN	PSI. POUNDS/SQUARE INCH
COMP. COMPRESSOR	PSIG. POUNDS/SQUARE INCH GAGE
CONC. CONCRETE	PT. PRESSURE TREATED
COND. CONDENSATE	PT. PAINT
CONN. CONNECTION	PTD. PAINTED
CONT. CONTINUOUS	QT. QUARRY TILE
CJ. CONTROL JOINT	QTR. QUARTER
CT. CERAMIC TILE	QUAN. QUANTITY
CTB. CERAMIC TILE BASE	R. RADIUS
CU. CONDENSING UNIT	RA. RETURN AIR
DET. DETAIL	RAD. RADIUS
DIA. D. DIAMETER	RAG. RETURN AIR GRILLE
DIFF. DIFFUSER	RAR. RETURN AIR REGISTER
DM. DIMENSION	RD. ROUND
DISC. DISCONNECT	RD. ROOF DRAIN
DIST. DISTRIBUTION	RDY. READY
D.J. DUMMY JOINT	RECIRC. RECIRCULATING
DN. DOWN	RECP. RECEPTACLE
DR. DRAIN	REG. REGISTER
D.S. DOWNSPOUT	RENF. REINFORCING
DWG(S). DRAWING(S)	REQ. REQUIRED
E. EAST	RET. RETURN
EA. EACH	RG. RETURN GRILLE
EC. EMPTY CONDUIT	RH. ROOM
EF. EXHAUST FAN	RO. ROUGH OPENING
EL. FLOOR ELEVATION	RPM. REVOLUTION/MINUTE
ELEV. ELEVATION	RLL. RAIN WATER LEADER
EQ. EQUAL	S.A. SUPPLY AIR
EQUIP. EQUIPMENT	S.A.T. SUSPENDED ACOUSTICAL TILE
EMC. ELECTRIC WATER COOLER	SCH. SCHEDULE
EXH. EXHAUST	SECT. SECTION
EXP. EXPANSION	SERV. SERVICE
E.J. EXPANSION JOINT (EJ)	S.G. SUPPLY GRILLE
EXT. EXTERIOR	SHT. SHEET
EXIST. EXISTING	SP. STAND PIPE
FA. FIRE ALARM	SPEC. SPECIFICATIONS
F.B.C. FLORIDA BUILDING CODE	SQ. FT. SQUARE FEET
F.C. FLEXIBLE CONNECTION	SRB. STRAIGHT RESILIENT BASE
F.D. FLOOR DRAIN	SS. STAINLESS STEEL
F.E. FIRE EXTINGUISHER & BRACKET	STL. STEEL
F.E.C. FIRE EXTINGUISHER & CABINET	STOR. STORAGE
F.H.C. FIRE HOSE CABINET W/ EXTINGUISHER	STRUC. STRUCTURAL
FIN. FINISH	SUSP. SUSPENDED
FL. FLOOR	SW. SWITCH
FP. FIRE PROOFING	T. TOP
FT. FOOT-FEET	TEL. TELEPHONE
FIG. FOOTING	TEMP. TEMPERATURE
FVC. FIRE VALVE CABINET	THK. THICK
GA. GAGE	THD. THRESHOLD (THRESH)
GAL. GALLON	TOU(B). TOP OF WALL (BEAM)
GALV. GALVANIZED	TOIL. TOILET
GFE. GOVERNMENT FURNISHED EQUIPMENT	TYP. TYPICAL
GL. GLASS	UNO. UNLESS NOTED OTHERWISE
GND. GROUND	UR. URINAL
GP.M. GALLONS PER MINUTE	V. VOLT
GR. GRILLE	VT. VINYL COMPOSITION TILE
GWB. GYPSUM WALLBOARD	V.C. VITROUS CLAY
GYP. BD. GYPSUM BOARD	VE. VERTICAL EXPANSION JOINT
HA. HOSE BIBS	VENT. VENTILATION
HC. HANDICAP	VERT. VERTICAL
HT. HEIGHT	V.I.F. VERIFY IN FIELD
HM. HOLLOW METAL	V.T.R. VENT THRU ROOF
HP. HIGH POINT	W. WITH
HR. HOUR	WC. WATER CLOSET
HTG. HEATING	WC.O. WASTE CLEAN OUT
H.V. HEATING & VENTILATING	WD. WOOD
HQIE. HARDWARE	WD. WINDOW DIMENSION
HTD. HYDRANT	WF. WIDE FLANGE
ID. INSIDE DIAMETER	WG. WATER GAGE
IN. EL. INVERT ELEVATION	WP. WEATHERPROOF
N. INCHES	WTR. WATER
INCAND. INCANDESCENT	WUF. WELDED WIRE FABRIC
INSUL. INSULATION	
INT. INTERIOR	
J.B. JUNCTION BOX	
JCT. JUNCTION	
JT. JOINT	

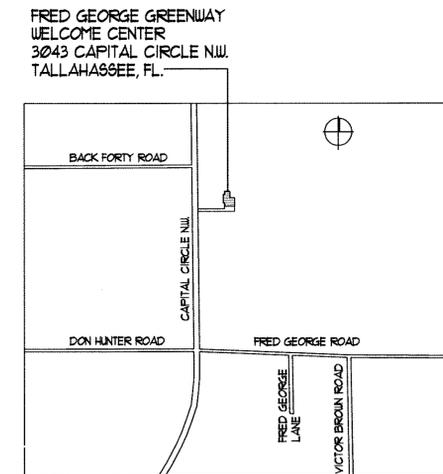
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EX100 EXISTING BUILDINGS ELEVATIONS

GENERAL NOTES

- These plans and specifications are the property of the Leon County, Florida Board of County Commissioners. Use or copy is permitted by contract only. Any unauthorized use of, or revisions to these plans, regardless of scope, without written permission of Leon County, FL, is prohibited.
- The Contractor shall field verify all dimensions and conditions. If the Contractor is unable to interpret the contract documents, he is responsible for requesting clarification in writing to the Architect. If the Contractor proceeds with any work before obtaining clarification, he shall be responsible for all associated deficiencies.
- Prior to commencement of the work, the Contractor shall visit the site to examine the premises and become familiar with existing conditions under which he will be obligated to operate and complete the work under this contract. No allowance will be made subsequently in this connection on behalf of the Contractor for any error or negligence on his part.
- The Contractor shall coordinate the work with all subcontractors and sequence demolition and construction to minimize interruptions to the normal operations of the building. This coordination will be reviewed and approved by the Leon County project manager.
- The Contractor shall maintain all egress paths clear. Where an egress path must be temporarily blocked, the Contractor shall provide barricades and directional signs as needed to maintain exiting and safety.
- The Contractor shall erect and maintain all reasonable safeguards for safety and health, including posting danger signs and other warning against hazards, as well as promulgating safety standards.
- The Contractor shall be restricted to areas specified by the Owner for on-site storage of materials.
- The Contractor shall maintain a clean work premise at all times and shall clean construction site of all debris daily. The work premise shall be clean at completion of job and before final payment is made.
- The Contractor shall take care not to damage existing surfaces and shall be responsible for restoring areas damaged by the Contractor (materials, finishes, etc.) to their original conditions. Surfaces shall be repaired to match existing adjacent finishes.
- All interior wall and ceiling finishes shall be Class B minimum. All floor finishes shall be Class II minimum.
- The Contractor shall install all items and systems required by these plans in accordance with the manufacturer's directions unless required otherwise by these plans or any applicable building code or regulation.
- All work shall be installed in accordance with all applicable building codes or regulations currently in effect at the time of construction. Where conflicts occur between codes and between construction documents and codes, the most restrictive requirements shall govern unless restricted otherwise by local statutory requirements.
- The contractor shall make available to the Building Inspector any documentation necessary to verify that all components requiring product approval per FS 559.842 are in compliance as per product approval installation requirements.

SITE LOCATION MAP



**BARNETT
FRONCZAK
BARLOWE
ARCHITECTS**

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▲ 12 December 2013
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BUILDING INFORMATION

CONSTRUCTION	Type of Construction: _____	TYPE V B
CLASSIFICATION	_____	Business
Sprinkled or Non-Sprinkled	_____	Non-Sprinkled
SQUARE FOOTAGE	_____	3425 G.S.F.

APPLICABLE CODES

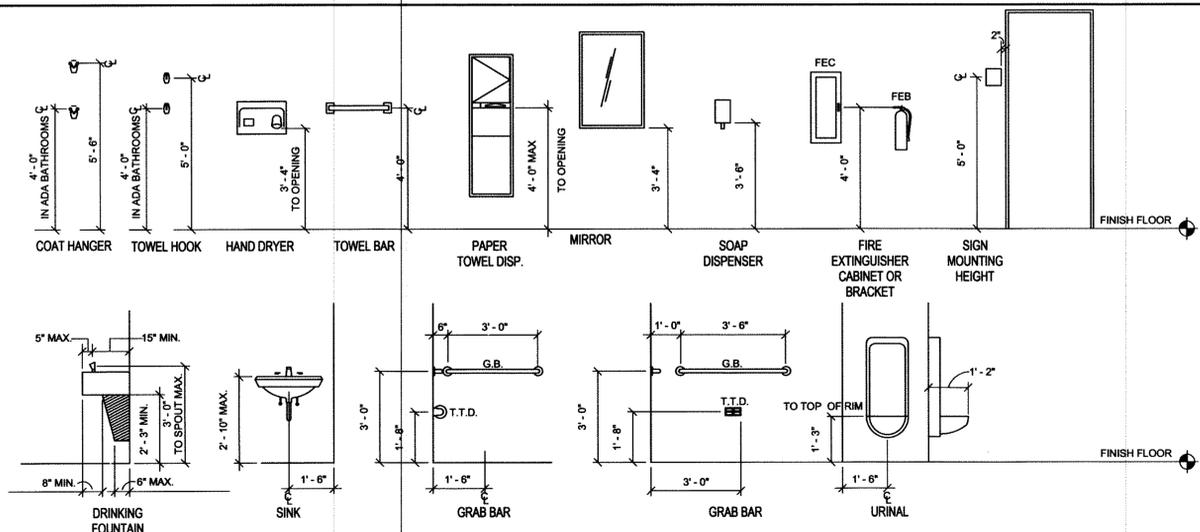
FLORIDA BUILDING CODE, BUILDING (FBC-B)	2010 EDITION
FLORIDA BUILDING CODE, ACCESSIBILITY	2010 EDITION
FLORIDA BUILDING CODE, MECHANICAL (FBC-M)	2010 EDITION
FLORIDA BUILDING CODE, ENERGY CONSERVATION	2010 EDITION
FLORIDA BUILDING CODE, FUEL GAS (FBC-FC)	2010 EDITION
FLORIDA BUILDING CODE, PLUMBING (FBC-P)	2010 EDITION
FLORIDA BUILDING CODE, EXISTING BUILDING (FBC-EB)	2010 EDITION
FLORIDA FIRE PREVENTION CODE (FFPC)	2010 EDITION
NATIONAL ELECTRICAL CODE (NEC)	2008 EDITION

Work Scope has been Designed and Shall be Constructed in Accordance with the following Applicable Building Codes only:

Leon County
Fred George Greenway
Welcome Center
Renovation
Tallahassee Florida

CS-2

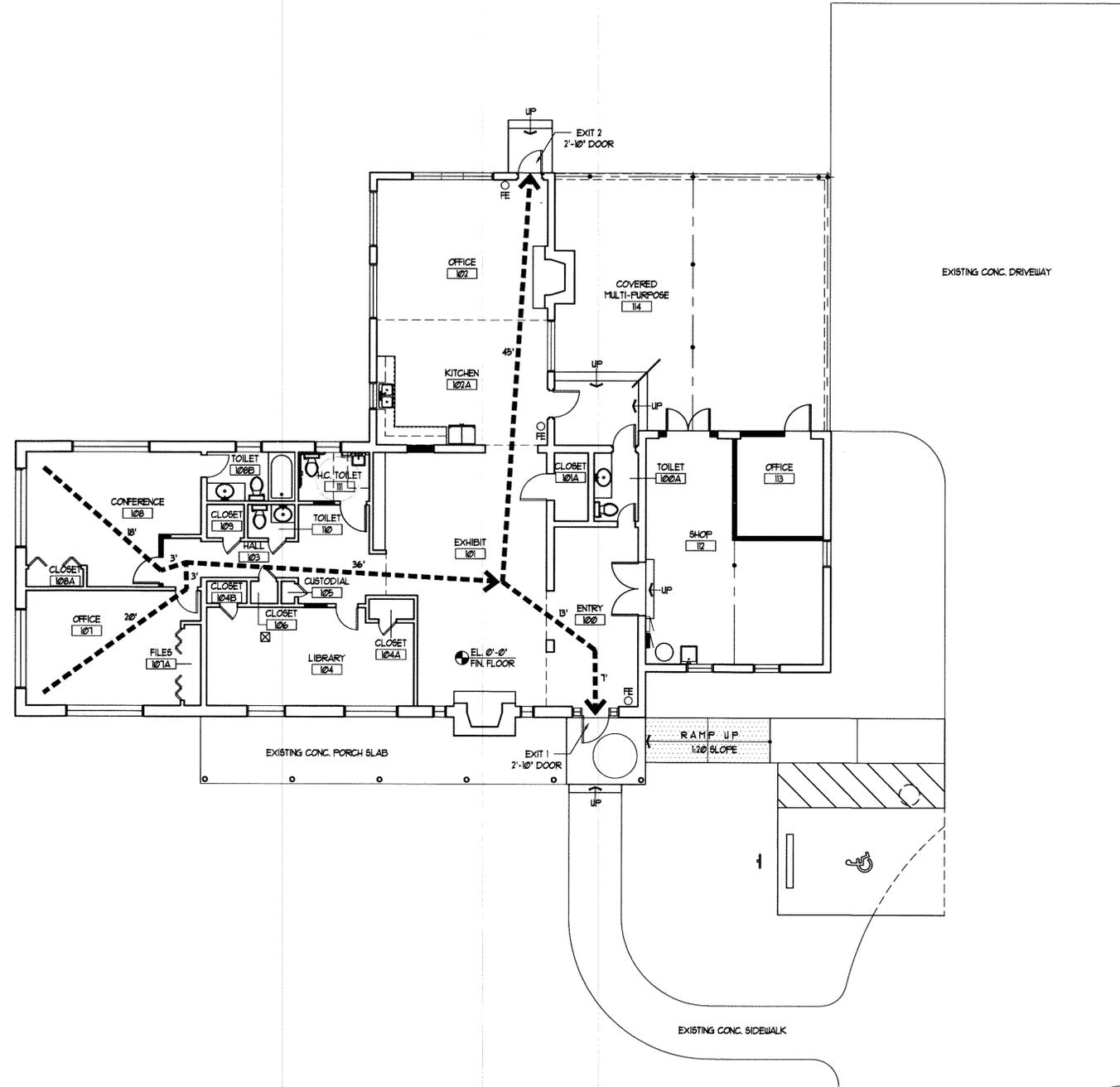
MOUNTING HEIGHTS



NOTES

GROSS BUILDING AREA	3,418 sq. ft.
OCCUPANCY	BUSINESS
TOTAL OCCUPANCY	35
MAXIMUM COMMON PATH OF TRAVEL	59 feet
MAXIMUM DISTANCE BETWEEN EXITS	65 feet

SPACE	NO.	AREA (s.f.)
ENTRY	100	204 s.f.
EXHIBIT	101	481 s.f.
OFFICE	102	3071 s.f.
KITCHEN	102A	275 s.f.
LIBRARY	104	250 s.f.
OFFICE	107	234 s.f.
CONFERENCE	108	258 s.f.
SHOP	112	294 s.f.
OFFICE	113	111 s.f.



1 LIFE SAFETY FLOOR PLAN
 LS1.1 SCALE 1/8"=1'-0"



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Leon County
 Fred George Greenway
 Welcome Center
 Renovation
 Tallahassee Florida

LS1.1

225 SOUTH ADAMS ST., TALLAHASSEE, FLORIDA 32301
 PHONE 850 224-6301 FAX 850 561-6978

STRUCTURAL NOTES

GENERAL NOTES

- The governing Code for this Project is the Florida Building Code, 2010 Edition. This Code prescribes which edition of each referenced standard applies to this Project.
- To the best of our knowledge, the Structural Drawings and Specifications comply with the applicable requirements of the governing Building Code.
- Construction is to comply with the requirements of the governing Building Code and all other applicable Federal, State, and Local Codes, Standards, Regulations and Laws.
- The Structural Documents are to be used in conjunction with the Architectural Documents. Use these Notes in conjunction with the Project Specifications. If a conflict exists, the more stringent governs.
- See Project Specifications for testing. See the Structural Inspection Plan for inspection requirements.
- Details labeled "typical" apply to all situations that are the same or similar to those specifically referenced, whether or not they are keyed in at each location. Questions regarding the applicability of typical details shall be resolved by the Architect.
- Openings shown on Structural Drawings are only pictorial. See the Architectural and M.E.P. drawings for the size and location of openings in the structure.
- Contractors who discover discrepancies, omissions or variations in the Contract Documents during bidding shall immediately notify the Architect. The Architect will resolve the condition and issue a written clarification.
- The General Contractor shall coordinate all Contract Documents with field conditions and dimensions and Project Shop Drawings prior to construction. Do not scale drawings; use only printed dimensions. Report any discrepancies in writing to the Architect prior to proceeding with work. Do not change size or location of structural members without written instructions from the Structural Engineer of Record.
- The Contractor shall protect adjacent property, his own work and the public from harm. The Contractor is solely responsible for construction means and methods, and jobsite safety including all OSHA requirements.
- The Structure is designed to be structurally sound when completed. Prior to completion, the Contractor is responsible for stability and temporary bracing, including, but not limited to, masonry walls. Wherever the Contractor is unsure of these requirements, the Contractor shall retain a Florida Licensed Engineer to design and inspect the temporary bracing and stability of the structure.

Design Superimposed Loads:

OCCUPANCY	LIVE LOAD*	DEAD LOAD
Roof	20 psf	18 psf **
Public Areas	100 psf	5 psf
Storage	125 psf	5 psf
Mechanical Room	125 psf	5 psf
Electrical Room	125 psf	5 psf

** Includes Roof Deck but not Joists or Beams.

Design superimposed dead loads listed above do not include masonry walls or other concentrated loads. See architectural drawings for these loads.

13. Design Wind Loads

Governing Code	ASCE7-10
Basic Wind Speed Vult =	120 mph
Building Category	Enclosed
Risk Category	II
Directionality Factor	Kd = 0.85
Exposure- MWFRS	B
- Components and Cladding	B
Internal Pressure Coefficient GCpi =	+/-0.18
Mean Roof Height	16 feet

SHOP DRAWINGS AND OTHER SUBMITTALS

- Refer to Division 1 of the Specifications for submittal procedures and requirements. Refer to the applicable specification sections for technical content requirements. Incomplete submittals will be returned without review.
- Submit specific components, such as columns, footings, etc., in a single package. Submit similar floors together.
- On first submittal, clearly flag and cloud all differences from the Contract Documents. On resubmittals, flag and cloud all changes and additions to previous submittal; only clouded items will be reviewed.
- Submittals for special structural, load-carrying items that are required by Codes or Standards to resist forces must be prepared by, or under the direct supervision of, a Delegated Engineer. Examples include Prefabricated Wood Components, Exterior Enclosure Systems and Shoring and Reshoring.
- A Delegated Engineer is defined as a Florida Licensed Engineer who specializes in and undertakes the design of Structural Components or Structural Systems included in a specific submittal prepared for this Project and is an employee or officer of, or consultant to, the Contractor or Fabricator responsible for the submittal. The Delegated Engineer shall sign, seal and date the submittal, including calculations and drawings. See Specifications for more specific criteria.
- The Trade Contractor is responsible for confirming and correlating dimensions at the job sites, for tolerances, clearances, quantities, fabrication processes and techniques of construction, coordination of the work with other trades and full compliance with the Contract Documents.
- The General Contractor/Construction Manager shall review and approve submittals and shall sign and date each drawing prior to submitting to the Architect. This approval is to confirm that the Submittal is complete, complies with the Submittal Requirements and is coordinated with field dimensions, other trades, erection sequencing and constructability.
- The Structural Engineer reviews submittals to confirm that the submittal is in general conformance with the design concept presented in the Contract Documents. Quantities and dimensions are not checked. Notations on submittals do not authorize changes to the contract sum. Checking of the submittal by the Structural Engineer shall not relieve the Contractor of responsibility for deviations from the Contract Documents and from errors or omissions in the submittal.
- In addition to the above, the Structural Engineer's review of Delegated Engineer submittals is limited to verifying that the specified structural submittal has been furnished, signed and sealed by the Delegated Engineer and that the Delegated Engineer has understood the design intent and used the specified Structural Criteria. No detailed check of calculations will be made. The Delegated Engineer is solely responsible for his/her design, including but not limited to the accuracy of his/her calculations and compliance with the applicable codes and standards.
- CAD files of Structural Drawings may be used as an aid in preparing Shop Drawings only upon the Contractor signing an Agreement. When CAD files or copies of the Structural Drawings are made available, it is under the following conditions:
 - All information contained in the CAD files or copies of the Structural Drawings are instruments of service of the Architect/Engineer and shall not be used for other projects, additions to the Project or the completion of the Project by others. CAD files and copies of the Structural Drawings remain the property of Bliss & Nyitray, Inc. and in no case shall their transfer be considered a sale;
 - CAD files or copies of the Structural Drawings are not Contract Documents. In the event of a conflict, the Structural Drawings shall govern;
 - The use of CAD files or copies of the Structural Drawings shall not in any way relieve the Contractor's responsibility for proper checking and coordination of dimensions, details, sizes and quantities of materials as required for the preparation of complete and accurate Shop Drawings; and

- The Contractor shall revise all references to Contract Document sheet numbers and section marks and shall remove information that is not required for their work from the CAD files or copies of the Structural Drawings, including the Title Block.
- Dimensions in the CAD files may not be precise and, in some cases, have been intentionally altered for presentation purposes. Do not scale dimensions electronically or otherwise.

SHORING

- Provide complete shoring drawings prepared by or under the direct supervision of a Delegated Engineer.
- Shoring removal is the sole responsibility of the Contractor. Remove shores in such a manner as to ensure job safety and to prevent damage to, and creep deflection of, the structure.

EXPANSION ANCHORS

- Use wedge-type expansion anchors such as the Hilti Kwik Bolt III, ITW Ramset Red Head Trubolt Wedge, Powers Power-Stud, Simpson Strong-Tie Wedge-All or accepted equivalent. Follow manufacturer's specifications for use and installation.
- Confirm the absence of reinforcing steel by drilling a 1/4" diameter pilot hole for each anchor. Do not cut reinforcing steel without approval of the Structural Engineer.
- Provide anchor embedment, spacing and edge distance as shown on the Drawings.

CHEMICAL ADHESIVE FOR ANCHORING REINFORCING BARS, THREADED BARS AND ANCHOR BOLTS

- Use an epoxy, acrylic or polyester resin adhesive system such as the Hilti Hit HY150, ITW Ramset/Red Head Epcon A7 or C6 Injection System, Powers Power-Fast + System, Simpson Strong-Tie AT or ET, Allied Fastener Allied +, or accepted equivalent. Follow Manufacturer's Specifications for use and installation.
- Confirm the absence of reinforcing steel by drilling a 1/4" diameter pilot hole for each anchor. Do not cut reinforcing steel without approval of the Structural Engineer.
- Refer to manufacturer's installation instructions for appropriate drill size. Thoroughly clean hole including removal of dust prior to filling with epoxy.
- Provide anchor embedment, spacing and edge distance as shown on the Drawings.
- Threaded rods are A-36 galvanized steel, u.o.n.

POWDER ACTUATED FASTENERS

- Use powder actuated fastening systems such as those manufactured by Hilti, ITW Ramset/Red Head, Powers, or an accepted alternate having ICC-ES or Miami-Dade County Product Control Approval. Install in accordance with Manufacturer's Specifications. Provide a minimum of two fasteners per connection.
- Provide a minimum penetration in accordance with manufacturer's specifications but not less than 1-1/8" in concrete, u.o.n.
- Provide a minimum anchor spacing and edge distance of 3" in concrete and a minimum anchor spacing of 1" and edge distance of 1/2" in steel.

WOOD FRAMING AND SHEATHING

- Design and fabricate all wood in conformance with Division 6 Specifications, the "National Design Specification For Wood Construction 2005 Edition" and Florida Building Code, 2010 Edition.
- Member sizes are to be as shown on drawings and provide the following minimum properties unless noted otherwise:

Member	Species	Fb (PSI)	E (KSI)	Grade
Beams	Southern Pine	1050	1,400	No 2
Studs	Southern Pine	1050	1,400	No 2
Other	Southern Pine	1050	1,400	No 2

- All wood in contact with concrete or masonry shall be pressure treated. Pressure treatment of structural lumber shall be in accordance with AWWA Standards C1 and C2, latest Editions with a waterborne preservative in accordance with Standard P5, latest Edition. All lumber to be kiln-dried after treatment to a moisture content not to exceed 19% oven-dry basis, per Standard C2. All lumber 4 x 4 in. (nominal size) and larger in dimension to be treated to the soil and fresh water retention and penetration requirements of Standard C2. All lumber less than 4 x 4 (nominal size) to be treated to the above ground requirements of Standard C2.
- All bolts for bolted connections shall conform to ASTM A307. Use washers between wood and all bolt heads and nuts.
- All wood connectors shall be galvanized and shall be manufactured by Simpson Strong Tie Co. or approved equal. Use all nails/fasteners required for connector as shown by manufacturers catalog.
- Unless otherwise noted on plan, provide double studs at all jambs of openings up to 6'-0". Use triple studs for openings greater than 6'-0" and less than 10'-0".
- Plywood wall sheathing shall be 5/8" thick C-D tong and groove with exterior glue APA. In compliance with AITC Standards, connect to supports with 8D common nails at 6" o.c. at panel edges and intermediate supports. Place face grain perpendicular to studs. Provide 1/16" space at end joints and 1/8" at edge joints.
- Minimum design loads for roof trusses:

20 psf LL top chord
8 psf DL top chord
10 psf DL bottom chord

Wind pressure based on ASCE-7. See General Notes and Drawing S1.2.
- The design and erection of wood trusses, including bracing, shall conform to the commentary and recommendations of the truss plate institute. In addition to continuous lateral bracing of top and bottom chords (designed by the Truss System Engineer, but spaced not more than 10' o.c.) provide diagonal bracing (minimum 2" thick nominal lumber) as follows:
 - In the plane of the top chord: locate between lateral bracing, set at 45 degree angles, repeat at maximum 20' intervals.
 - In the plane of the web members (perpendicular to the trusses): at each web member requiring continuous lateral bracing but not more than 16' intervals, spacing between sets of diagonals shall not exceed 20' or twice the horizontal run of the diagonal.
 - In the plane of the bottom chord: place between continuous lateral bracing at 45 degree angle at each end of building.

- Anchor all diagonal bracing to reinforced masonry walls or reinforced concrete members with prefabricated (min. 12 ga.) galvanized steel straps or framing connectors. Fasten straps to masonry with 2-1/2" dia. masonry anchors or 4-17" dia. x 1-1/2" powder-driven pins if into concrete and to wood members with not less than 6-16D nails.
- Plywood roof sheathing shall be 5/8" thick C-D tong and groove with exterior glue APA. In compliance with AITC Standards, connect to supports with 8D common nails at 4" o.c. at panel edges and 6" at intermediate supports. Place face grain perpendicular to studs. Provide 1/16" space at end joints and 1/8" at edge joints.

END OF NOTES



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Christopher S. Childers, P.E. Fla. Reg. No. 50812
BNI Project No. 13T07

TO THE BEST OF MY KNOWLEDGE, THE
PLANS AND SPECIFICATIONS COMPLY
WITH THE APPLICABLE MINIMUM
BUILDING CODES.

**BARNETT
FRONCZAK
BARLOWE
ARCHITECTS**

Drawn By: **TLC**
Project Code Checked By: **CSC**

13 December 2013

Date

-

SCALE: N/A

Revisions

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**Leon County
Fred George Greenway
Welcome Center
Renovation
STRUCTURAL NOTES**
Tallahassee Florida

S1.1

225 South Adams St, Tallahassee, FL 32301
Phone 850 224-6301 Fax 850 561-6978

FASTENING SCHEDULE		
2010 FBC TABLE 2304.0-1		
TO BE USED UNLESS NOTED OTHERWISE ON PLANS AND DETAILS		
CONNECTION	FASTENING	LOCATION
1 JOIST TO SILL OR GIRDER	(3)-8d COMMON	TOENAIL
2 TOP PLATE TO STUD	(2)-16d COMMON	END NAIL
STUD TO SOLE PLATE	(4)-8d COMMON	TOENAIL
STUD TO SOLE PLATE	(2)-16d COMMON	END NAIL
4 DOUBLE STUDS	16d @34" O.C.	FACE NAIL
DOUBLE TOP PLATES	16d @18" O.C.	TYPICAL FACE NAIL
DOUBLE TOP PLATES	(8)-16d COMMON	LAP SPLICE
6 BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	(3)-8d COMMON	TOENAIL
7 RM JOIST TO TOP PLATE	8d @4" O.C.	TOENAIL
8 TOP PLATES, LAPS AND INTERSECTIONS	(2)-16d COMMON	FACE NAIL
9 CONTINUOUS HEADER, TWO PIECES	16d COMMON	18" O.C. ALONG EDGE
10 CEILING JOIST TO PLATE	(3)-8d COMMON	TOENAIL
11 CONTINUOUS HEADER TO STUD	(4)-8d COMMON	TOENAIL
12 CEILING JOISTS TO PARALLEL RAFTERS	(3)-16d COMMON MINIMUM	FACE NAIL
13 RAFTER TO PLATE	(3)-8d COMMON	TOENAIL
14 BUILT-UP CORNER STUDS	16d COMMON	24" O.C.
15 BUILT-UP GIRDER AND BEAMS	20d COMMON 32" O.C.	FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES
16 LEDGER STRIP	(2)-20d COMMON @ EACH JOIST	FACE NAIL AT ENDS AND AT EACH SPLICE
WOOD STRUCTURAL PANELS AND PARTICLEBOARD:		
WALL SHEATHING (TO FRAMING)		
1/2" AND LESS	6d COMMON OR DETACHED SHANK 6" O.C. AT EDGES AND INTERMEDIATE SUPPORTS	
5/8" TO 3/4"	8d COMMON 6" O.C. AT EDGES AND INTERMEDIATE SUPPORTS	
3/4" TO 1"	8d COMMON OR 6d DEFORMED SHANK 6" O.C. AT EDGES AND INTERMEDIATE SUPPORTS	
1" TO 1 1/4"	8d COMMON OR 6d DEFORMED SHANK 6" O.C. AT EDGES AND INTERMEDIATE SUPPORTS	
1 1/4" TO 1 1/2"	10d COMMON OR 8d DEFORMED SHANK 6" O.C. AT EDGES AND INTERMEDIATE SUPPORTS	
1 1/2" TO 1 3/4"	10d COMMON OR 8d DEFORMED SHANK 6" O.C. AT EDGES AND INTERMEDIATE SUPPORTS	
1 3/4" TO 2"	12d COMMON OR 10d DEFORMED SHANK 6" O.C. AT EDGES AND INTERMEDIATE SUPPORTS	

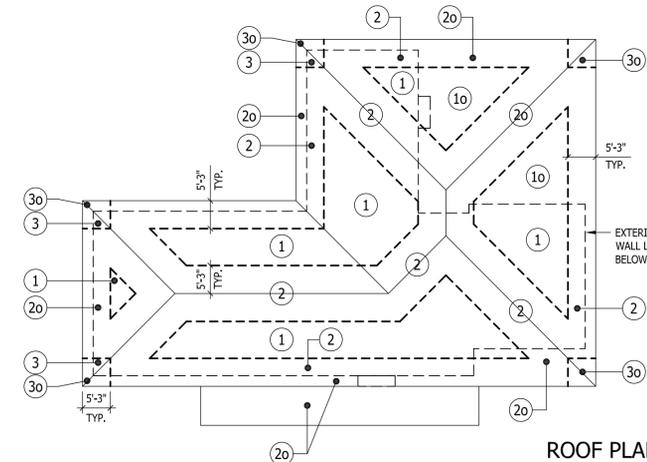
NET WIND ROOF PRESSURES - SERVICE						
ZONES	TRIBUTARY AREA (SF)					
	10	20	50	100	200	500
①	-24/11	-23/10	-22/10	-21/10	-21/10	-21/10
②	-32/11	-30/10	-27/10	-25/10	-25/10	-25/10
③	-38/11	-34/10	-29/10	-25/10	-25/10	-25/10
②o	-32	-32	-32	-32	-32	-32
③o	-52	-47	-41	-36	-36	-36
2 & 3 OVERHANG SOFFIT	16	15	14	14	13	12

NET WIND ROOF PRESSURES - ULTIMATE						
ZONES	TRIBUTARY AREA (SF)					
	10	20	50	100	200	500
①	-40/18	-38/16	-36/16	-35/16	-35/16	-35/16
②	-53/18	-49/16	-45/16	-42/16	-42/16	-42/16
③	-64/18	-57/16	-48/16	-42/16	-42/16	-42/16
②o	-53	-53	-53	-53	-53	-53
③o	-86	-78	-67	-59	-59	-59
2 & 3 OVERHANG SOFFIT	26	25	24	23	21	20

WALL WIND PRESSURES (PSF) - SERVICE						
ZONE	TRIBUTARY AREA (SF)					
	10	20	50	100	200	500
④	-17/+16	-17/+15	-16/+14	-15/+14	-14/+13	-13/+12
⑤	-21/+16	-20/+15	-18/+14	-17/+14	-15/+13	-13/+12

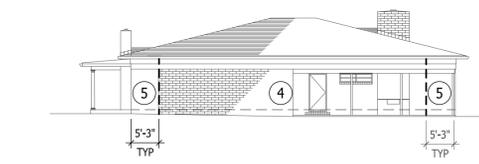
WALL WIND PRESSURES (PSF) - ULTIMATE						
ZONE	TRIBUTARY AREA (SF)					
	10	20	50	100	200	500
④	-29/+26	-27/+25	-26/+24	-25/+23	-24/+21	-22/+20
⑤	-35/+26	-33/+25	-30/+24	-27/+23	-25/+21	-22/+20

WIND PRESSURES FOR ROOF & WALLS (PSF)
(COMPONENTS & CLADDING)

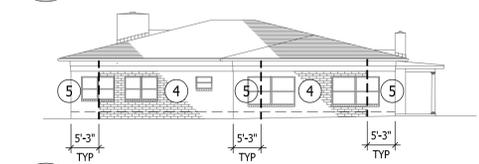


ROOF PLAN

SCALE: 1/16"=1'-0"



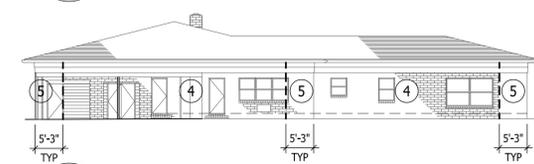
SOUTH ELEVATION



NORTH ELEVATION



WEST ELEVATION



EAST ELEVATION

WIND PRESSURE NOTES

- Numbers on this sheet are the components and cladding gross unfastened service pressures perpendicular to the surface (in P.S.F.) based on tributary area. Multiply service pressures by 1.6 to obtain wind pressures for factored loads using strength design (ASCE 7-10 2.3).
- Pressures are derived from ASCE 7-10.
- Directionality factor $K_d = .85$
- Negative pressures act away from surface, positive pressures act toward surface.

Legend:

--- Wind Load Separation

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 Christopher S. Childers, P.E. Fla. Reg. No. 50812
 BNI Project No. 13T13

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

BARNETT FRONCZAK BARLOWE ARCHITECTS

Drawn By: TLC
 Project Code Checked By: CSC

13 December 2013

Date

SCALE: 1/16"=1'-0"

Revisions

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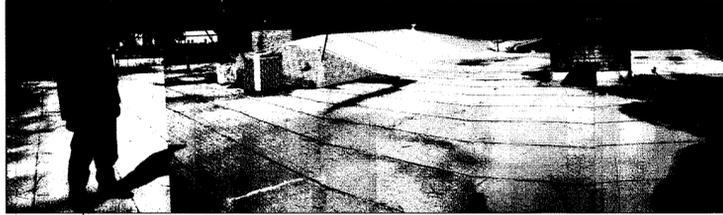
Leon County
 Fred George Greenway
 Welcome Center
 Renovation
 Wind Pressures/ Fasteners
 Tallahassee Florida

S1.2

SEE MECHANICAL, ELECTRICAL & PLUMBING DRAWINGS FOR REQUIRED DEMOLITION OF EQUIPMENT, VENTS, ETC. ON ROOF

REMOVE ALL EXISTING SHINGLES, UNDERLAYMENT & DECKING. EXISTING TRUSSES ARE TO REMAIN. PREP AREA FOR INSTALLATION OF NEW ROOF TRUSSES & PROVIDE TEMPORARY COVERING TO ENSURE EXISTING STRUCTURE WILL NOT BE WATER DAMAGED. (TYP AT HIP ROOF ONLY)

THE CONTRACTOR SHALL INSPECT ALL BRICK AND REMOVE AND/OR REPLACE ANY EXISTING DAMAGED BRICK OR MISSING BRICK. CLEAN EXISTING BRICK BY LOW OR MODERATE PRESSURE WASH (NOT CHEMICAL WASH). EVALUATE THE CONDITION OF THE MORTAR JOINTS. REPOINT MISSING, CRACKED, SPALLED, AND CRUMBLING MORTAR JOINTS.



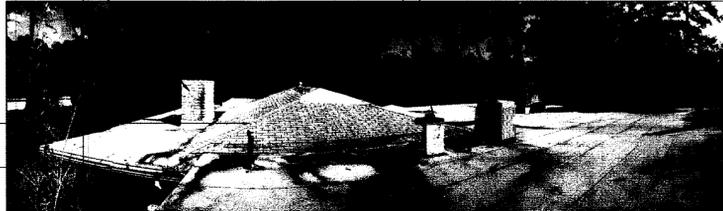
3 EXISTING ROOF PLAN - VIEW
PS0.0 SCALE N/A

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SEE MECHANICAL, ELECTRICAL & PLUMBING DRAWINGS FOR REQUIRED DEMOLITION OF EQUIPMENT, VENTS, ETC. ON ROOF

REMOVE ALL EXISTING SHINGLES, UNDERLAYMENT & DECKING. EXISTING TRUSSES ARE TO REMAIN. PREP AREA FOR INSTALLATION OF NEW ROOF TRUSSES & PROVIDE TEMPORARY COVERING TO ENSURE EXISTING STRUCTURE WILL NOT BE WATER DAMAGED. (TYP AT HIP ROOF ONLY)

REMOVE ALL GUTTERS & DOWNSPOUTS



4 EXISTING ROOF PLAN - VIEW
PS0.0 SCALE N/A

REMOVE ALL EXISTING SHINGLES, UNDERLAYMENT & DECKING. EXISTING TRUSSES ARE TO REMAIN. PREP AREA FOR INSTALLATION OF NEW ROOF TRUSSES & PROVIDE TEMPORARY COVERING TO ENSURE EXISTING STRUCTURE WILL NOT BE WATER DAMAGED. (TYP AT HIP ROOF ONLY)

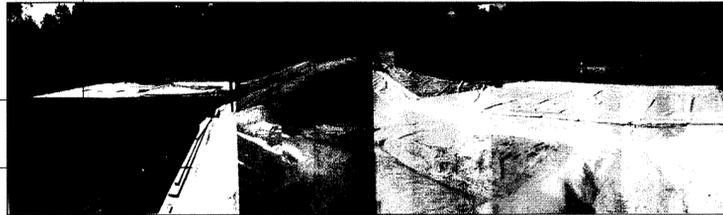


5 EXISTING ROOF PLAN - VIEW
PS0.0 SCALE N/A

REMOVE EXISTING ROOF MEMBRANE & FLASHING. INSPECT EXISTING WOOD DECKING & WOOD RAFTERS AND REPLACE AS NEEDED (TYP AT FRONT PORCH ROOF ONLY)

REMOVE ALL METAL EAVES DRIP FLASHING & ALL CHIMNEY FLASHING

REMOVE PORTION OF EXISTING ROOF SYSTEM, SOFFITS FASCIA & ROOF DECKING TO ALLOW FOR INSTALLATION OF NEW ROOF TRUSSES & TRUSS TIE-DOWNS. SEE DETAILS ON SHEET A51



6 EXISTING ROOF PLAN - VIEW
PS0.0 SCALE N/A

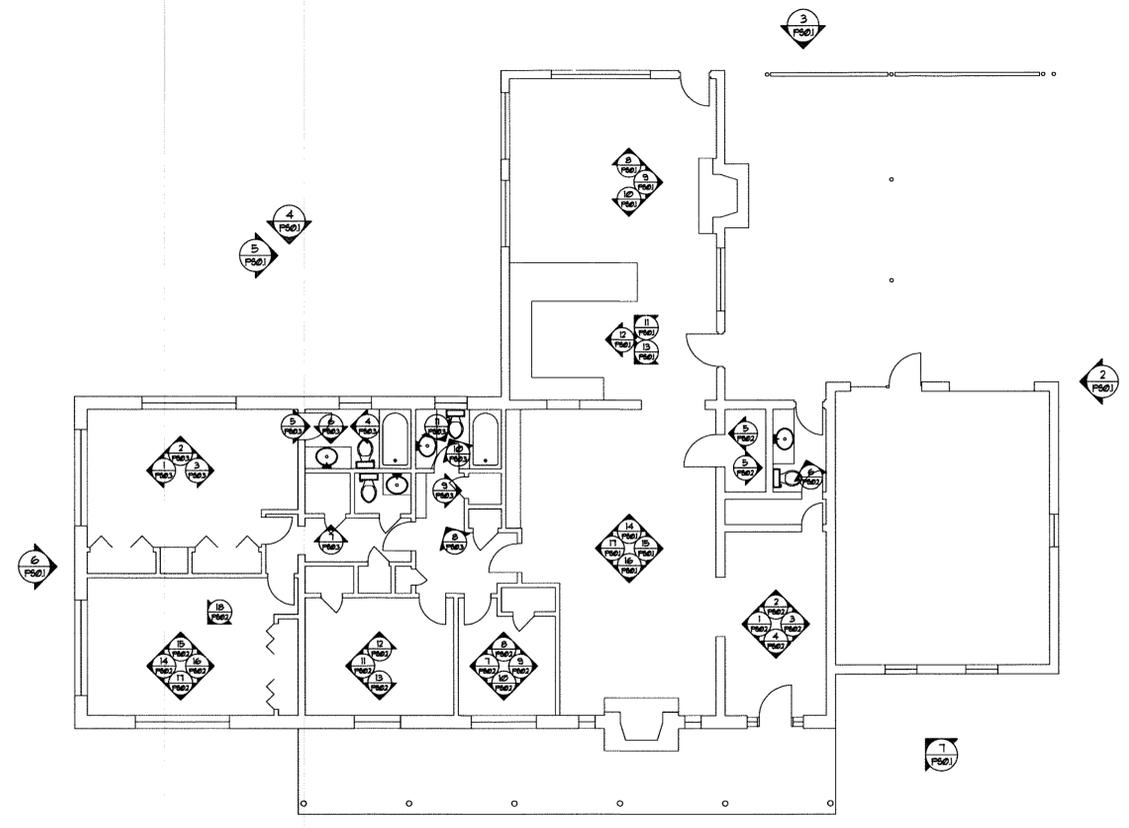
REMOVE PORTION OF EXISTING ROOF SYSTEM, SOFFITS FASCIA & ROOF DECKING TO ALLOW FOR INSTALLATION OF NEW ROOF TRUSSES & TRUSS TIE-DOWNS. SEE DETAILS ON SHEET A51

THE CONTRACTOR SHALL INSPECT ALL BRICK AND REMOVE AND/OR REPLACE ANY EXISTING DAMAGED BRICK OR MISSING BRICK. CLEAN EXISTING BRICK BY LOW OR MODERATE PRESSURE WASH (NOT CHEMICAL WASH). EVALUATE THE CONDITION OF THE MORTAR JOINTS. REPOINT MISSING, CRACKED, SPALLED, AND CRUMBLING MORTAR JOINTS.

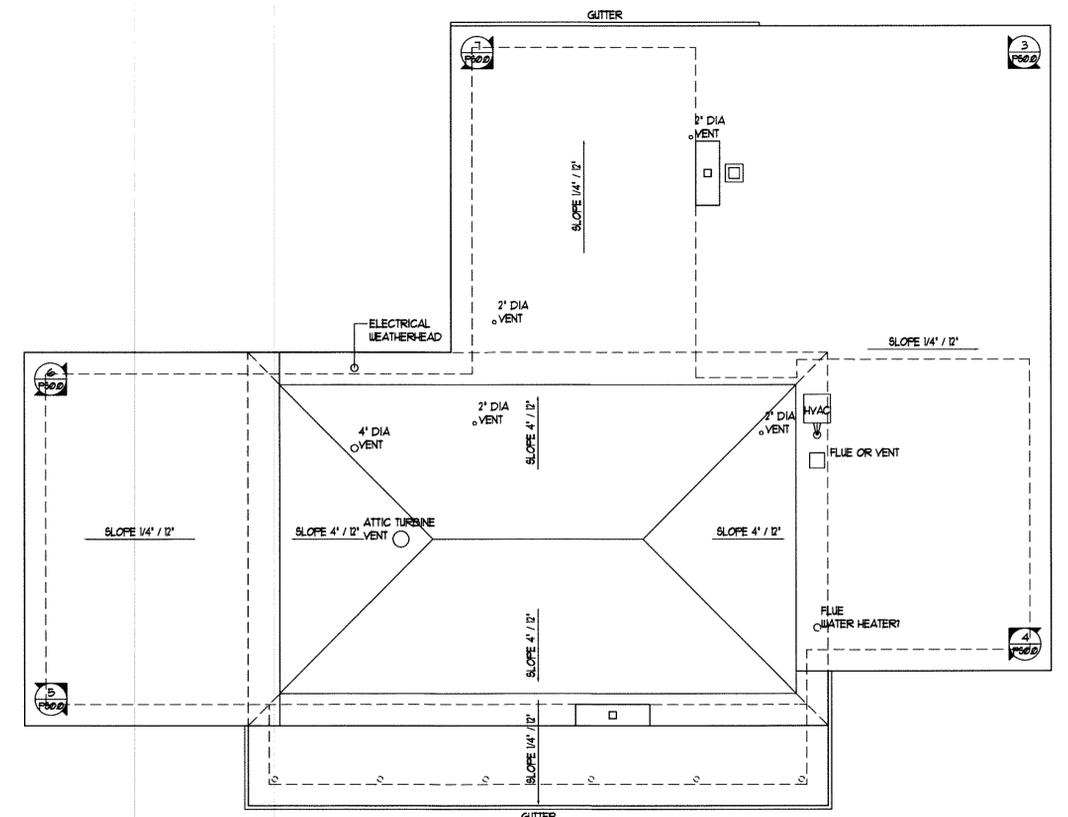
REMOVE ALL METAL EAVES DRIP FLASHING & ALL CHIMNEY FLASHING



7 EXISTING ROOF PLAN - VIEW
PS0.0 SCALE N/A



1 EXISTING FLOOR PLAN
PS0.0 SCALE 1/8"=1'-0"



2 EXISTING ROOF PLAN
PS0.0 SCALE 1/8"=1'-0"

**BARNETT
FRONCZAK
BARLOWE
ARCHITECTS**

14050
PROJECT CODE

16 AUGUST 2013
DATE

REVISED

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▲	▲
▲	▲

Leon County
Fred George Greenway
Welcome Center
Renovation
Tallahassee Florida

PS0.0

225 SOUTH ADAMS ST., TALLAHASSEE, FLORIDA 32301
PHONE 850 224-6301 FAX 850 561-6978

NOTES

REMOVE ALL METAL EAVES DRIP FLASHING & ALL CHIMNEY FLASHING.

THE CONTRACTOR SHALL INSPECT ALL BRICK AND REMOVE AND/OR REPLACE ANY EXISTING DAMAGED BRICK OR MISSING BRICK. CLEAN EXISTING BRICK BY LOW OR MODERATE PRESSURE WASH (NOT CHEMICAL WASH). EVALUATE THE CONDITION OF THE MORTAR JOINTS. REPOINT MISSING, CRACKED, SPALLED, AND CRUMBLING MORTAR JOINTS (TYP).

REMOVE & REPLACE ALL EXISTING COLUMNS. SUPPORT PORCH ROOF UNTIL NEW COLUMNS ARE INSTALLED.

REMOVE PORTION OF EXISTING ROOF SYSTEM, SOFFITS, FASCIA & ROOF DECKING TO ALLOW FOR INSTALLATION OF NEW ROOF TRUSSES & TRUSS TIE-DOWNS. SEE DETAILS ON SHEET A51.

REMOVE & REPLACE EXISTING STEEL PIPE COLUMN.

CONTRACTOR TO INSPECT ALL EXISTING WINDOWS AND REPLACE ALL DAMAGED GLASS & GLAZING.

**BARNETT
FRONCZAK
BARLOWE
ARCHITECTS**

14050
PROJECT CODE

16 AUGUST 2013
DATE

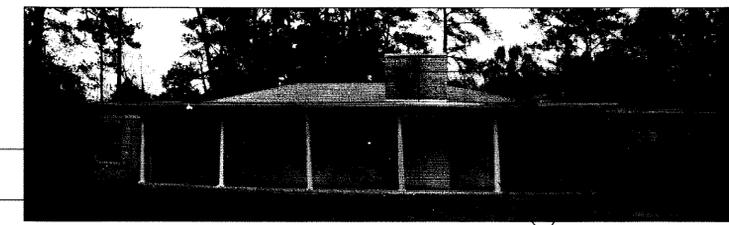
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Leon County
Fred George Greenway
Welcome Center
Renovation
Tallahassee Florida

PS0.1

225 SOUTH ADAMS ST., TALLAHASSEE, FLORIDA 32301
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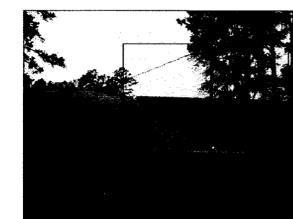
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PS0.1 SCALE N/A



2 ELEVATION - SOUTH
PS0.1 SCALE N/A



3 ELEVATION - EAST
PS0.1 SCALE N/A



4 ELEVATION - EAST
PS0.1 SCALE N/A



5 ELEVATION - NORTH
PS0.1 SCALE N/A



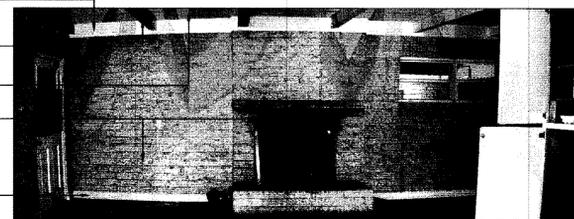
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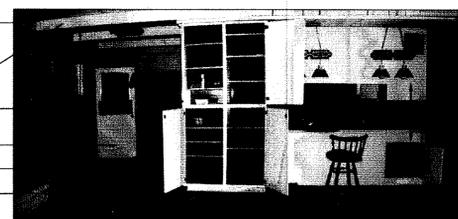
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PS0.1 SCALE N/A



8 INTERIOR
PS0.1 SCALE N/A



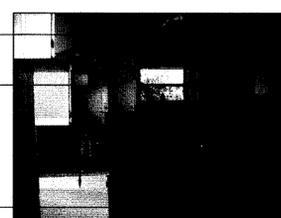
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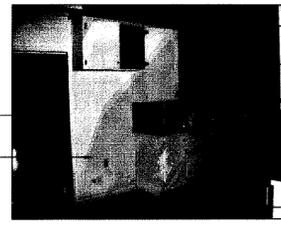
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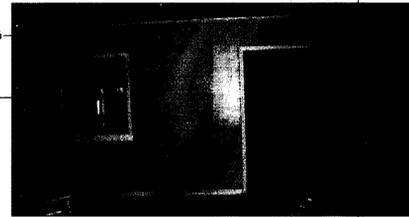
11 INTERIOR
PS0.1 SCALE N/A



12 INTERIOR
PS0.1 SCALE N/A



13 INTERIOR
PS0.1 SCALE N/A



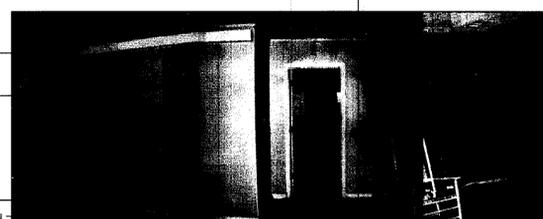
14 INTERIOR
PS0.1 SCALE N/A



15 INTERIOR
PS0.1 SCALE N/A



16 INTERIOR
PS0.1 SCALE N/A



17 INTERIOR
PS0.1 SCALE N/A

REMOVE & REPLACE EXIST. CEILING TILES
REMOVE LOWER & UPPER CASEWORK. PREP EXIST WALLS & FLOOR FOR NEW CASEWORK
REMOVE EXISTING FLOORING

REMOVE EXISTING ROOF MEMBRANE & FLASHING. INSPECT EXISTING WOOD DECKING & WOOD RAFTERS AND REPLACE AS NEEDED (TYP AT FRONT PORCH ROOF ONLY).
REMOVE & REPLACE ALL EXISTING COLUMNS. SUPPORT PORCH ROOF UNTIL NEW COLUMNS ARE INSTALLED.

REMOVE ALL EXISTING SHINGLES, UNDERLAYMENT & DECKING. EXISTING TRUSSES ARE TO REMAIN. PREP AREA FOR INSTALLATION OF NEW ROOF TRUSSES & PROVIDE TEMPORARY COVERING TO ENSURE EXISTING STRUCTURE WILL NOT BE WATER DAMAGED. (TYP AT HIP ROOF ONLY).
CONTRACTOR TO INSPECT ALL EXISTING WINDOWS AND REPLACE ALL DAMAGED GLASS & GLAZING.
REMOVE EXISTING SHUTTERS AND PREP WALL FOR NEW SHUTTERS.

REMOVE FOLDING DOOR & TRACK
CLEAN PATCH & PAINT EXIST WALL

CLEAN & PAINT EXIST. CEILING
REMOVE CASING OPENING TRIM & FRAME. PREP OPENING FOR NEW WALL INFILL.

CLEAN & PAINT EXISTING TRIM
CLEAN PATCH & PAINT EXIST WALL
CLEAN & PAINT EXISTING TRIM & BASE
EXISTING FLOORING TO REMAIN

CLEAN & PAINT EXIST TRIM
CONTRACTOR TO INSPECT ALL EXISTING WINDOWS AND REPLACE ALL DAMAGED GLASS & GLAZING.
CLEAN EXIST BRICK
CLEAN & PAINT EXIST DOOR & TRIM
REMOVE EXISTING A/C UNIT
CLEAN & PAINT NEW BASE

CLEAN & PAINT EXIST. CEILING
CLEAN & PAINT EXIST DOOR & TRIM
EXISTING FLOORING TO REMAIN

CLEAN & PAINT EXISTING TRIM
CLEAN PATCH & PAINT EXIST WALL

CLEAN & PAINT EXISTING TRIM
CLEAN & PAINT EXIST BEAMS
REMOVE & REPLACE EXIST. CEILING TILES
CLEAN EXIST BRICK
CLEAN & PAINT NEW BASE

RE-USE EXISTING DOOR IF DOOR CAN BE REPAIRED. IF DOOR CANT BE REPAIRED REMOVE & REPLACE
REMOVE ALL METAL EAVES DRIP FLASHING
REMOVE & REPLACE EXISTING STEEL PIPE COLUMN
REMOVE CONC. SCREEN WALL
REMOVE LOWER & UPPER CASEWORK. PREP EXIST WALLS & FLOOR FOR NEW CASEWORK

CLEAN & PAINT EXISTING TRIM
CLEAN PATCH & PAINT EXIST WALL
CLEAN EXIST STONE FIREPLACE
CLEAN & PAINT EXIST BASE

CLEAN & PAINT EXISTING TRIM
CLEAN & PAINT EXIST BEAMS
REMOVE & REPLACE EXIST. CEILING TILES
CLEAN & PAINT EXIST DOOR & TRIM
CLEAN & PAINT NEW BASE
REMOVE EXISTING FLOORING

CLEAN EXIST BRICK
REMOVE LOWER & UPPER CASEWORK. PREP EXIST WALLS & FLOOR FOR NEW CASEWORK

REMOVE PORTION OF EXISTING ROOF SYSTEM, SOFFITS, FASCIA & ROOF DECKING TO ALLOW FOR INSTALLATION OF NEW ROOF TRUSSES & TRUSS TIE-DOWNS. SEE DETAILS ON SHEET A51.
CONTRACTOR TO INSPECT ALL EXISTING WINDOWS AND REPLACE ALL DAMAGED GLASS & GLAZING.
THE CONTRACTOR SHALL INSPECT ALL BRICK AND REMOVE AND/OR REPLACE ANY EXISTING DAMAGED BRICK OR MISSING BRICK. CLEAN EXISTING BRICK BY LOW OR MODERATE PRESSURE WASH (NOT CHEMICAL WASH). EVALUATE THE CONDITION OF THE MORTAR JOINTS. REPOINT MISSING, CRACKED, SPALLED, AND CRUMBLING MORTAR JOINTS (TYP).

CLEAN & PAINT EXISTING TRIM
CLEAN PATCH & PAINT EXIST WALL
CLEAN & PAINT EXIST BASE
EXISTING FLOORING TO REMAIN

REMOVE & REPLACE EXIST. CEILING TILES
REMOVE EXIST TILE BACKSPLASH
REMOVE EXISTING FLOORING

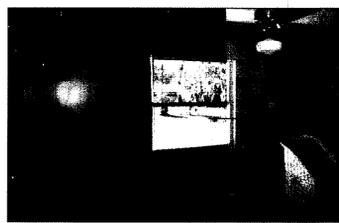
REMOVE LOWER & UPPER CASEWORK. PREP EXIST WALLS & FLOOR FOR NEW CASEWORK

REMOVE PORTION OF EXISTING ROOF SYSTEM, SOFFITS, FASCIA & ROOF DECKING TO ALLOW FOR INSTALLATION OF NEW ROOF TRUSSES & TRUSS TIE-DOWNS. SEE DETAILS ON SHEET A51.
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THE CONTRACTOR SHALL INSPECT ALL BRICK AND REMOVE AND/OR REPLACE ANY EXISTING DAMAGED BRICK OR MISSING BRICK. CLEAN EXISTING BRICK BY LOW OR MODERATE PRESSURE WASH (NOT CHEMICAL WASH). EVALUATE THE CONDITION OF THE MORTAR JOINTS. REPOINT MISSING, CRACKED, SPALLED, AND CRUMBLING MORTAR JOINTS (TYP).

REMOVE & REPLACE EXIST. CEILING TILES
REMOVE LOWER & UPPER CASEWORK. PREP EXIST WALLS & FLOOR FOR NEW CASEWORK
REMOVE EXISTING FLOORING

REMOVE EXIST TILE BACKSPLASH

REMOVE PORTION OF EXISTING ROOF SYSTEM, SOFFITS, FASCIA & ROOF DECKING TO ALLOW FOR INSTALLATION OF NEW ROOF TRUSSES & TRUSS TIE-DOWNS. SEE DETAILS ON SHEET A51.
CONTRACTOR TO INSPECT ALL EXISTING WINDOWS AND REPLACE ALL DAMAGED GLASS & GLAZING.



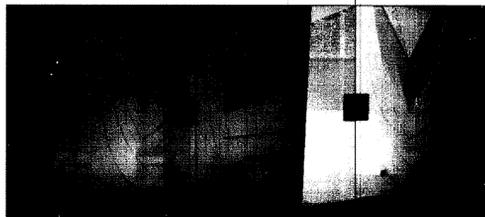
- CLEAN & PAINT EXIST. CEILING
- CLEAN, PATCH & PAINT EXIST WALL
- CONTRACTOR TO INSPECT ALL EXISTING WINDOWS & REPLACE ALL DAMAGED GLASS & GLAZING
- PRIME & PAINT NEW BASE
- NEW FLOORING AS SCHEDULED

13 INTERIOR
PS0.2 SCALE N/A



- EXISTING T & G WOOD CEILING & WOOD BEAMS
CONTRACTOR TO INSPECT EXISTING T & G CEILING & BEAMS. REPLACE OR REPAIR ALL DAMAGED CEILINGS AND BEAMS.
- CLEAN, PATCH & PAINT EXIST WALL
- CONTRACTOR TO INSPECT ALL EXISTING WINDOWS & REPLACE ALL DAMAGED GLASS & GLAZING
- STAIN NEW BASE
- NEW FLOORING AS SCHEDULED

14 INTERIOR
PS0.2 SCALE N/A



- CLEAN, PATCH & PAINT EXIST WALL
- STAIN NEW BASE
- NEW FLOORING AS SCHEDULED

15 INTERIOR
PS0.2 SCALE N/A



- EXISTING T & G WOOD CEILING & WOOD BEAMS
CONTRACTOR TO INSPECT EXISTING T & G CEILING & BEAMS. REPLACE OR REPAIR ALL DAMAGED CEILINGS AND BEAMS.
- CLEAN, PATCH & PAINT EXIST WALL
- CONTRACTOR TO INSPECT ALL EXISTING WINDOWS & REPLACE ALL DAMAGED GLASS & GLAZING
- STAIN NEW BASE
- NEW FLOORING AS SCHEDULED

16 INTERIOR
PS0.2 SCALE N/A



- EXISTING T & G WOOD CEILING & WOOD BEAMS
CONTRACTOR TO INSPECT EXISTING T & G CEILING & BEAMS. REPLACE OR REPAIR ALL DAMAGED CEILINGS AND BEAMS.
- CLEAN, PATCH & PAINT EXIST WALL
- CONTRACTOR TO INSPECT ALL EXISTING WINDOWS & REPLACE ALL DAMAGED GLASS & GLAZING
- STAIN NEW BASE
- NEW FLOORING AS SCHEDULED

17 INTERIOR
PS0.2 SCALE N/A



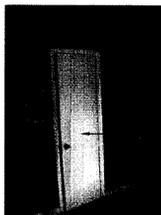
- EXISTING T & G WOOD CEILING & WOOD BEAMS
CONTRACTOR TO INSPECT EXISTING T & G CEILING & BEAMS. REPLACE OR REPAIR ALL DAMAGED CEILINGS AND BEAMS.
- CLEAN, PATCH & PAINT EXIST WALL
- CONTRACTOR TO INSPECT ALL EXISTING WINDOWS & REPLACE ALL DAMAGED GLASS & GLAZING

18 INTERIOR
PS0.2 SCALE N/A



- EXISTING WALL & DOOR TO BE DEMOLISHED SEE DEMO DRAWINGS

7 INTERIOR
PS0.2 SCALE N/A



- CLEAN & PAINT EXIST. CEILING
- CLEAN, PATCH & PAINT EXIST WALL
- CLEAN & PAINT EXISTING DOOR & TRIM
- PRIME & PAINT NEW BASE
- NEW FLOORING AS SCHEDULED

8 INTERIOR
PS0.2 SCALE N/A



- CLEAN & PAINT EXIST. CEILING
- CLEAN, PATCH & PAINT EXIST WALL
- PRIME & PAINT NEW BASE
- NEW FLOORING AS SCHEDULED

9 INTERIOR
PS0.2 SCALE N/A



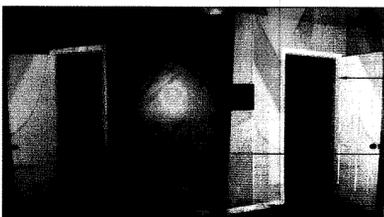
- CLEAN & PAINT EXIST. CEILING
- CLEAN, PATCH & PAINT EXIST WALL
- PRIME & PAINT NEW BASE

10 INTERIOR
PS0.2 SCALE N/A



- CLEAN & PAINT EXIST. CEILING
- CLEAN, PATCH & PAINT EXIST WALL
- PRIME & PAINT NEW BASE
- NEW FLOORING AS SCHEDULED

11 INTERIOR
PS0.2 SCALE N/A



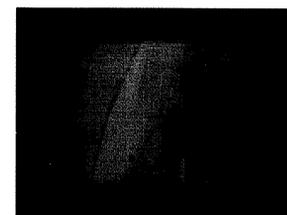
- CLEAN & PAINT EXIST. CEILING
- EXISTING DOOR & FRAME TO BE REMOVED SEE DEMO DRAWINGS
- CLEAN, PATCH & PAINT EXIST WALL
- PRIME & PAINT NEW BASE
- NEW FLOORING AS SCHEDULED

12 INTERIOR
PS0.2 SCALE N/A

- CLEAN & PAINT EXIST. CEILING
- CONTRACTOR TO INSPECT ALL EXISTING WINDOWS & REPLACE ALL DAMAGED GLASS & GLAZING
- CLEAN & PAINT EXIST DOOR & TRIM
- CLEAN EXIST BRICK
- PRIME & PAINT NEW BASE
- NEW FLOORING AS SCHEDULED

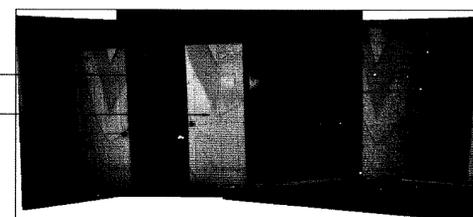


1 INTERIOR
PS0.2 SCALE N/A



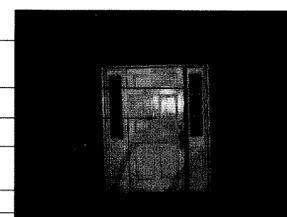
- CLEAN & PAINT EXIST. CEILING
- EXISTING WALL & DOOR TO BE DEMOLISHED
- PRIME & PAINT NEW BASE
- NEW FLOORING AS SCHEDULED

2 INTERIOR
PS0.2 SCALE N/A



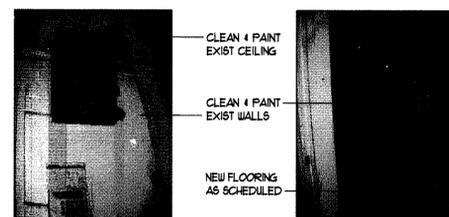
- CLEAN & PAINT EXIST. CEILING
- CLEAN EXIST PANELING & TRIM
- CLEAN EXIST BRICK
- PRIME & PAINT NEW BASE
- NEW FLOORING AS SCHEDULED

3 INTERIOR
PS0.2 SCALE N/A

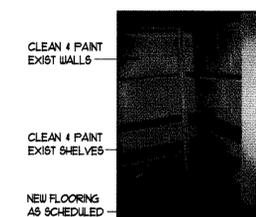


- CLEAN & PAINT EXIST. CEILING
- CONTRACTOR TO INSPECT ALL EXISTING WINDOWS & REPLACE ALL DAMAGED GLASS & GLAZING
- CLEAN & PAINT EXIST DOOR & TRIM
- CLEAN EXIST BRICK
- PRIME & PAINT NEW BASE
- NEW FLOORING AS SCHEDULED

4 INTERIOR
PS0.2 SCALE N/A



- CLEAN & PAINT EXIST CEILING
- CLEAN & PAINT EXIST WALLS
- NEW FLOORING AS SCHEDULED



- CLEAN & PAINT EXIST WALLS
- CLEAN & PAINT EXIST SHELVES
- NEW FLOORING AS SCHEDULED

5 INTERIOR
PS0.2 SCALE N/A



- CLEAN & PAINT ALL WALLS, DOORS, CABINETS, TRIM & CEILING

6 INTERIOR
PS0.2 SCALE N/A

- NOTES
- CLEAN & PAINT EXIST. CEILING
 - EXISTING WALL TO BE DEMOLISHED
 - PRIME & PAINT NEW BASE
 - NEW FLOORING AS SCHEDULED

**BARNETT
FRONCZAK
BARLOWE
ARCHITECTS**

14050
PROJECT CODE

16 AUGUST 2013
DATE

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Leon County
Fred George Greenway
Welocme Center
Renovation
Tallahassee Florida

PS0.2

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PHONE 850 224-6301 FAX 850 561-6978

- CLEAN & PAINT EXIST SHELVES
- CLEAN & PAINT EXIST WALLS
- PAINT NEW BASE
- NEW FLOORING AS SCHEDULED

7 INTERIOR
PS0.3 SCALE N/A

- REMOVE CASEWORK SEE DEMO DRAWINGS
- REMOVE DOOR & FRAME SEE DEMO DRAWINGS

8 INTERIOR
PS0.3 SCALE N/A

- REMOVE SHELVES SEE DEMO DRAWINGS
- REMOVE DOOR & FRAME SEE DEMO DRAWINGS
- REMOVE WALL SEE DEMO DRAWINGS

9 INTERIOR
PS0.3 SCALE N/A

- REMOVE WALL TILE SEE DEMO DRAWINGS
- REMOVE ALL PLUMBING FIXTURES & PLUMBING ACCESSORIES SEE DEMO DRAWINGS
- REMOVE CASEWORK & SINK SEE DEMO DRAWINGS

10 INTERIOR
PS0.3 SCALE N/A

- REMOVE WALL TILE SEE DEMO DRAWINGS
- REMOVE ALL PLUMBING FIXTURES & PLUMBING ACCESSORIES SEE DEMO DRAWINGS

11 INTERIOR
PS0.3 SCALE N/A

- EXISTING T & G WOOD CEILING & WOOD BEAMS CONTRACTOR TO INSPECT EXISTING T & G CEILING & BEAMS. REPLACE OR REPAIR ALL DAMAGED CEILINGS AND BEAMS.
- CLEAN PATCH & PAINT EXIST WALL
- CONTRACTOR TO INSPECT ALL EXISTING WINDOWS & REPLACE ALL DAMAGED GLASS & GLAZING.
- STAIN NEW BASE
- NEW FLOORING AS SCHEDULED

1 INTERIOR
PS0.3 SCALE N/A

- EXISTING T & G WOOD CEILING & WOOD BEAMS CONTRACTOR TO INSPECT EXISTING T & G CEILING & BEAMS. REPLACE OR REPAIR ALL DAMAGED CEILINGS AND BEAMS.
- CLEAN PATCH & PAINT EXIST WALL
- CONTRACTOR TO INSPECT ALL EXISTING WINDOWS & REPLACE ALL DAMAGED GLASS & GLAZING.
- STAIN NEW BASE
- NEW FLOORING AS SCHEDULED

2 INTERIOR
PS0.3 SCALE N/A

- EXISTING T & G WOOD CEILING & WOOD BEAMS CONTRACTOR TO INSPECT EXISTING T & G CEILING & BEAMS.
- CLEAN EXIST PANELING & TRIM
- STAIN NEW BASE
- NEW FLOORING AS SCHEDULED

3 INTERIOR
PS0.3 SCALE N/A

- CLEAN & PAINT ALL WALLS, DOORS, CABINETS, TRIM & CEILING
- CLEAN MIRROR
- CLEAN COUNTERTOP & BACKSPLASH
- CLEAN ALL PLUMBING FIXTURES
- CLEAN FLOORS & REPAIR AS NEEDED

4 INTERIOR
PS0.3 SCALE N/A

- CLEAN & PAINT ALL WALLS, DOORS, CABINETS, TRIM & CEILING
- CLEAN WALL TILE
- CLEAN ALL PLUMBING FIXTURES
- CLEAN FLOORS & REPAIR AS NEEDED

5 INTERIOR
PS0.3 SCALE N/A

- CLEAN & PAINT ALL WALLS, DOORS, CABINETS, TRIM & CEILING
- CLEAN MIRROR
- CLEAN COUNTERTOP & BACKSPLASH
- CLEAN ALL PLUMBING FIXTURES

6 INTERIOR
PS0.3 SCALE N/A

NOTES

EXISTING T & G WOOD CEILING & WOOD BEAMS CONTRACTOR TO INSPECT EXISTING T & G CEILING & BEAMS. REPLACE OR REPAIR ALL DAMAGED CEILINGS AND BEAMS.

CLEAN PATCH & PAINT EXIST WALL

CONTRACTOR TO INSPECT ALL EXISTING WINDOWS & REPLACE ALL DAMAGED GLASS & GLAZING.

STAIN NEW BASE

NEW FLOORING AS SCHEDULED

EXISTING T & G WOOD CEILING & WOOD BEAMS CONTRACTOR TO INSPECT EXISTING T & G CEILING & BEAMS.

CLEAN EXIST PANELING & TRIM

STAIN NEW BASE

NEW FLOORING AS SCHEDULED

CLEAN & PAINT ALL WALLS, DOORS, CABINETS, TRIM & CEILING

CLEAN MIRROR

CLEAN COUNTERTOP & BACKSPLASH

CLEAN ALL PLUMBING FIXTURES

CLEAN FLOORS & REPAIR AS NEEDED

CLEAN & PAINT ALL WALLS, DOORS, CABINETS, TRIM & CEILING

CLEAN WALL TILE

CLEAN ALL PLUMBING FIXTURES

CLEAN FLOORS & REPAIR AS NEEDED

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16 AUGUST 2013 DATE

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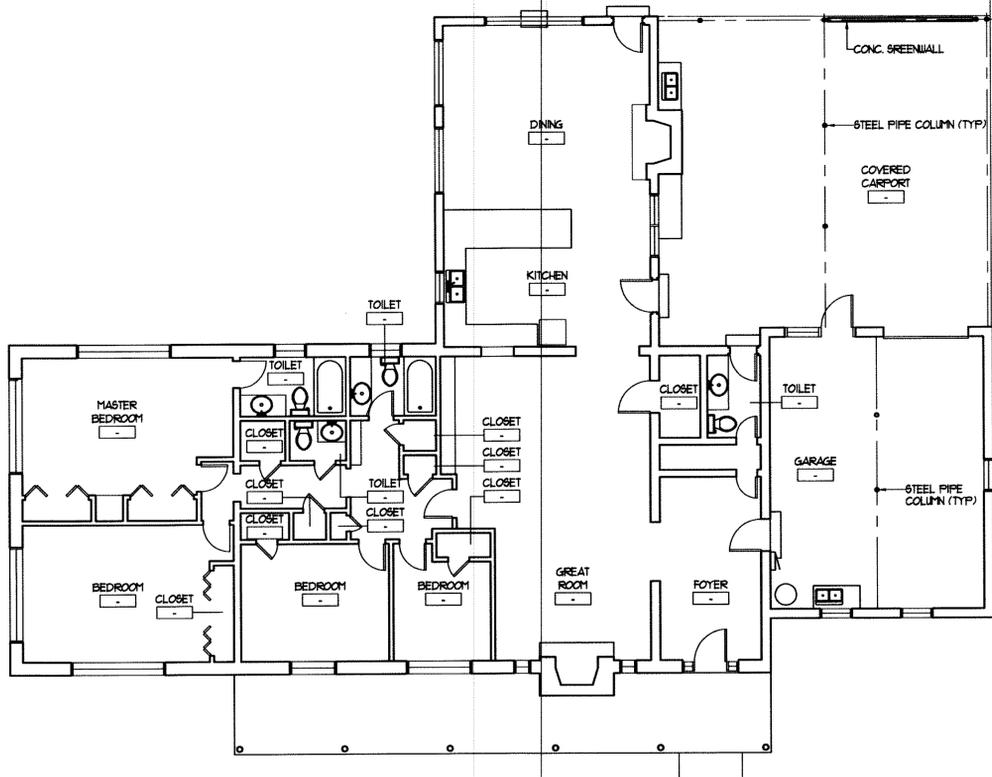
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Leon County
Fred George Greenway
Welcome Center
Renovation
Tallahassee Florida

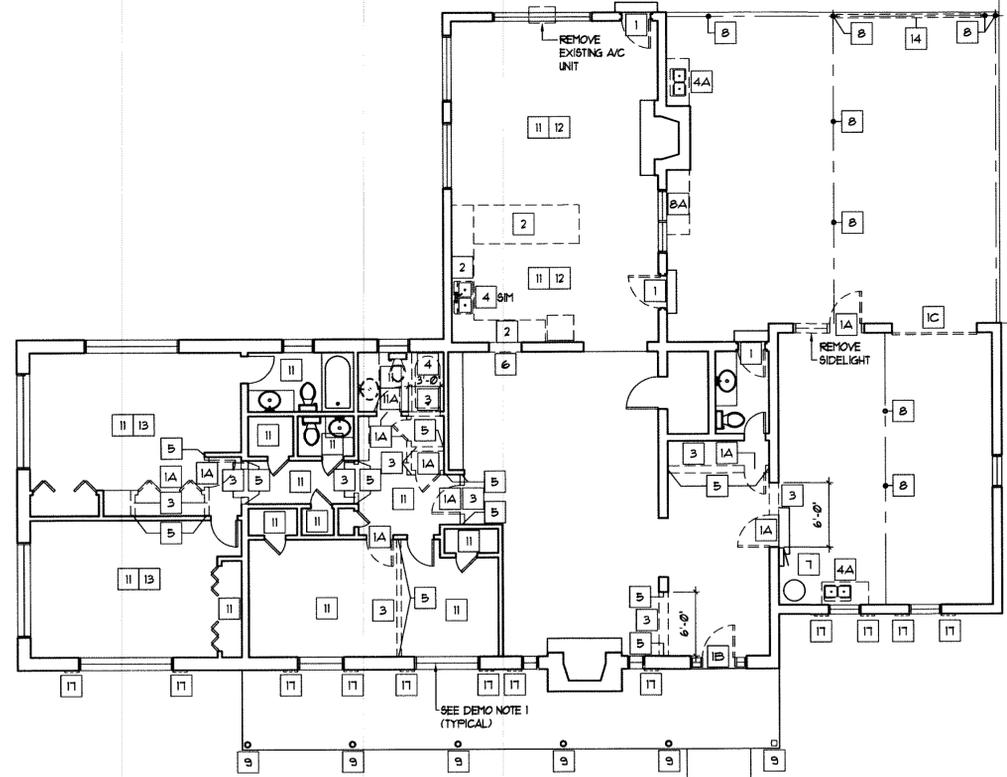
PS0.3

225 SOUTH ADAMS ST., TALLAHASSEE, FLORIDA 32301
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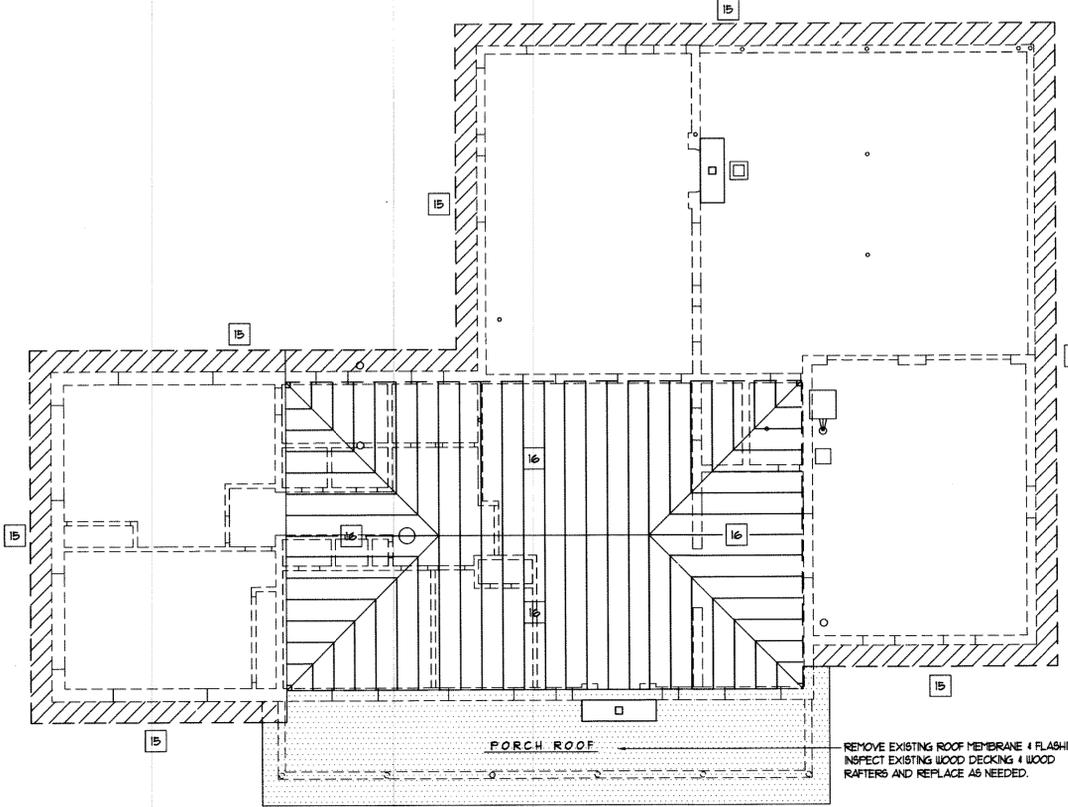




3 EXISTING FLOOR PLAN
EX1.1 SCALE 1/8"=1'-0"



1 DEMOLITION FLOOR PLAN
EX1.1 SCALE 1/8"=1'-0"



2 DEMOLITION ROOF PLAN
EX1.1 SCALE 1/8"=1'-0"

- DEMOLITION NOTES:**
- CONTRACTOR TO INSPECT ALL EXISTING WINDOWS AND REPLACE ALL DAMAGED GLASS & GLAZING.
 - CONTRACTOR TO INSPECT ALL EXISTING CEILINGS AND REPLACE OR REPAIR ALL DAMAGED CEILINGS. PATCH CEILINGS WHERE EXISTING HVAC GRILLES HAVE BEEN REMOVED. (SEE NOTE 1 ON MLD)
- DEMOLITION KEY NOTES**
- 1 RE-USE EXISTING DOOR IF DOOR CAN BE REPAIRED. IF DOOR CANT BE REPAIRED REMOVE & REPLACE.
 - 1A REMOVE EXISTING DOOR & DOOR FRAME.
 - 1B REVERSE SWING OF EXISTING DOOR. DOOR MUST SWING OUT. SEE FLOOR PLAN (VAL)
 - 1C REMOVE EXISTING GARAGE. GARAGE DOOR FRAME & PREP OPENING FOR NEW WALL INFILL.
 - 2 REMOVE LOWER & UPPER CASEWORK. PREP EXIST WALLS & FLOOR FOR NEW CASEWORK.
 - 3 REMOVE EXISTING WALL ASSEMBLY & ANY ELEC. DEVICES IN WALLS. SEE M.E.P. DRAWINGS FOR REQUIRED DEMOLITION.
 - 4 REMOVE EXIST TOILET, SINK & OR BATH/TUB. CAP. REMOVE OR REROUTE WASTE, VENT & WATER LINES AS REQUIRED.
 - 4A REMOVE EXIST SINK & CASWORK. CAP. REMOVE OR REROUTE WASTE, VENT & WATER LINES AS REQUIRED.
 - 5 PATCH EXISTING WALL FOR NEW FINISH.
 - 6 REMOVE CASING OPENING TRIM & FRAME. PREP OPENING FOR NEW WALL INFILL.
 - 7 SEE ELECTRICAL DRAWINGS FOR REQUIRED ELECTRICAL DEMOLITION IN THIS AREA.
 - 8 REMOVE & REPLACE EXISTING STEEL PIPE COLUMN.
 - 8A REMOVE EXISTING EXTERIOR CASEWORK & EQUIPMENT
 - 9 REMOVE & REPLACE ALL EXISTING COLUMNS. SUPPORT PORCH ROOF UNTIL NEW COLUMNS ARE INSTALLED.
 - 10 NOT USED
 - 11 REMOVE EXISTING FLOORING & BASE. PREP FLOORS FOR NEW FLOOR FINISHES.
 - 11A REMOVE EXISTING WALL TILE & PREP WALLS FOR NEW WALL FINISHES.
 - 12 REMOVE LAY-ING CEILING & GRID. REMOVE ALL CEILING DEVICES. SEE M.E.P. DRAWINGS
 - 13 REPAIR EXISTING DAMAGED T & G WOOD CEILING
 - 14 REMOVE CONC. SCREEN WALL
 - 15 REMOVE PORTION OF EXISTING ROOF SYSTEM, SOFFITS, FASCIA & ROOF DECKING TO ALLOW FOR INSTALLATION OF NEW ROOF TRUSSES & TRUSS TIE-DOWNS. SEE DETAILS ON SHEET ASJ
 - 16 REMOVE ALL EXISTING SHINGLES, UNDERLAYMENT & DECKING. EXISTING TRUSSES ARE TO REMAIN. PREP AREA FOR INSTALLATION OF NEW ROOF TRUSSES & PROVIDE TEMPORARY COVERING TO ENSURE EXISTING STRUCTURE WILL NOT BE WATER DAMAGED.
 - 17 REMOVE EXISTING SHUTTERS AND PREP WALL FOR NEW SHUTTERS.

- ROOF DEMOLITION NOTES:**
- REMOVE ALL METAL EAVES DRIP FLASHING & ALL CHIMNEY FLASHING.
 - REMOVE ROOFING MEMBRANE SYSTEM & UNDERLAYMENT. INSPECT EXISTING ROOF DECKING, REPLACE OR REPAIR DECKING AS NEEDED & PREP DECKING FOR NEW ROOFING. PROVIDE TEMPORARY DRY FELTS AS REQUIRED TO INSURE ROOF IS WATERTIGHT AT ALL TIMES.
 - SEE MECHANICAL, ELECTRICAL & PLUMBING DRAWINGS FOR REQUIRED DEMOLITION OF EQUIPMENT, VENTS, ETC. ON ROOF.
 - REMOVE ALL GUTTERS & DOWNSPOUTS.

NOTES

LEGEND

— EXISTING WALL PARTITION TO REMAIN

- - - - - EXISTING TO BE REMOVED



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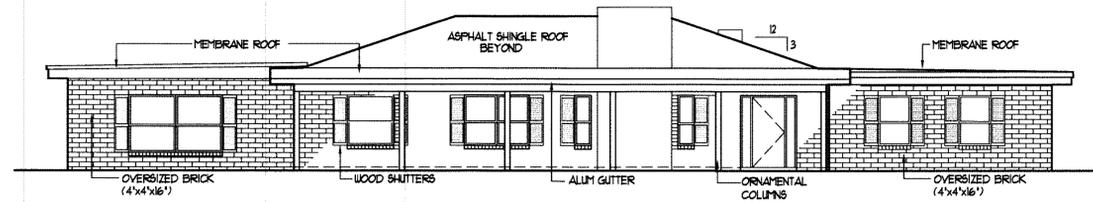
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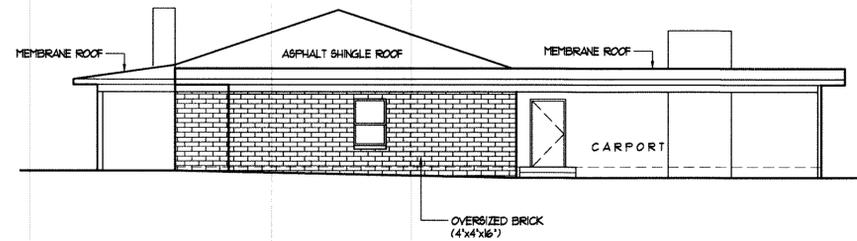
Leon County
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Renovation
Tallahassee Florida

EX1.1

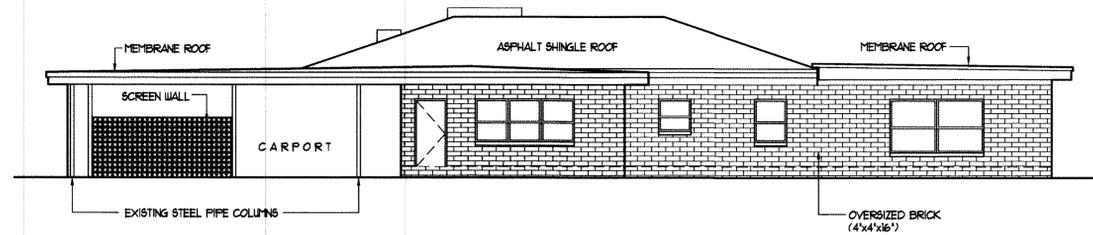
225 SOUTH ADAMS ST., TALLAHASSEE, FLORIDA 32301
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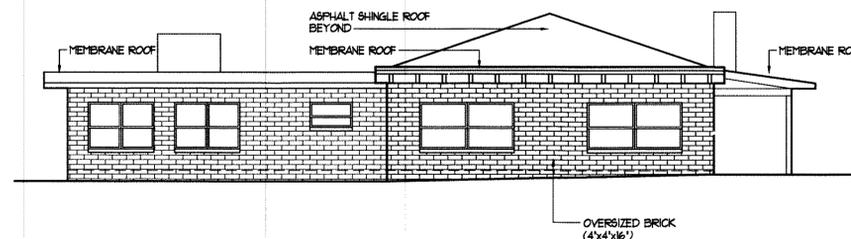
1 WEST ELEVATION - EXISTING
 EX3.1 SCALE 1/8"=1'-0"



2 SOUTH ELEVATION - EXISTING
 EX3.1 SCALE 1/8"=1'-0"



3 EAST ELEVATION - EXISTING
 EX3.1 SCALE 1/8"=1'-0"



4 NORTH ELEVATION - EXISTING
 EX3.1 SCALE 1/8"=1'-0"



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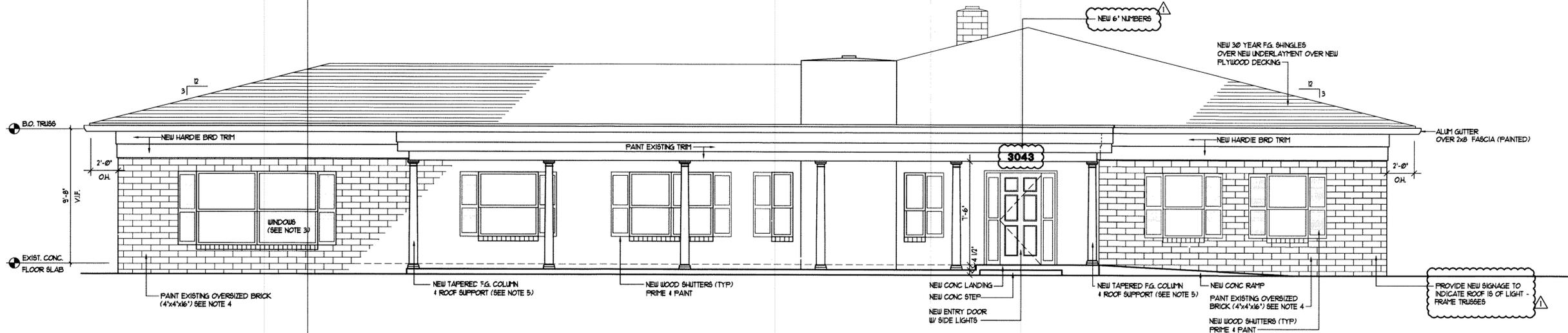
Leon County
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EX3.1

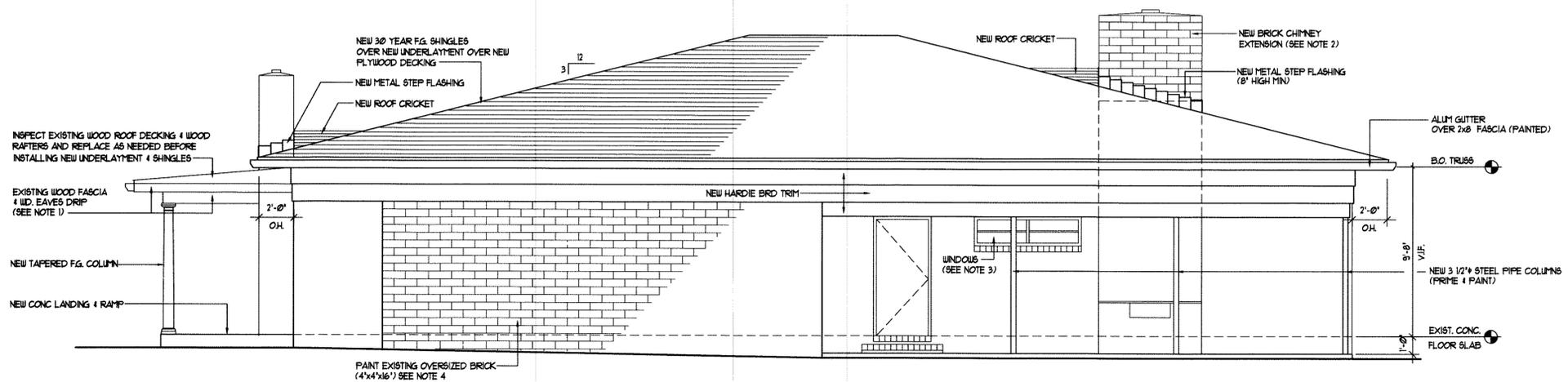
225 SOUTH ADAMS ST., TALLAHASSEE, FLORIDA 32301
 PHONE 850 224-6301 FAX 850 561-6978

NOTES

1. THE CONTRACTOR SHALL INSPECT ALL WOOD FASCIAS, SOFFITS, ROOF OVERHANGS, AND PORCH CEILING, AND REMOVE AND/OR REPLACE ANY DAMAGED WOOD. PREP EXISTING WOOD AS REQUIRED FOR NEW PAINT.
2. MATCH EXISTING BRICK STYLE, SIZE & COLOR.
3. CONTRACTOR TO INSPECT ALL WINDOW UNITS & REPLACE FAILED INSULATED GLASS & SASH MECHANISM UNITS.
4. THE CONTRACTOR SHALL INSPECT ALL BRICK AND REMOVE AND/OR REPLACE ANY EXISTING DAMAGED BRICK OR MISSING BRICK. CLEAN EXISTING BRICK BY LOW OR MODERATE PRESSURE WASH (NOT CHEMICAL WASH). EVALUATE THE CONDITION OF THE MORTAR JOINTS. REPOINT MISSING, CRACKED, SPALLED, AND CRUMBLING MORTAR JOINTS.
5. TAPERED FIBERGLASS REINFORCED POLYMER COLUMN BASIS OF DESIGN: FIRST CLASS BUILDING PRODUCTS 8"x8" TUSCAN COLUMN ASSEMBLY - MAX. LOAD BEARING LIMITS: 10,000 LB.



1 WEST ELEVATION
A3.1 SCALE 1/4"=1'-0"



2 SOUTH ELEVATION
A3.1 SCALE 1/4"=1'-0"



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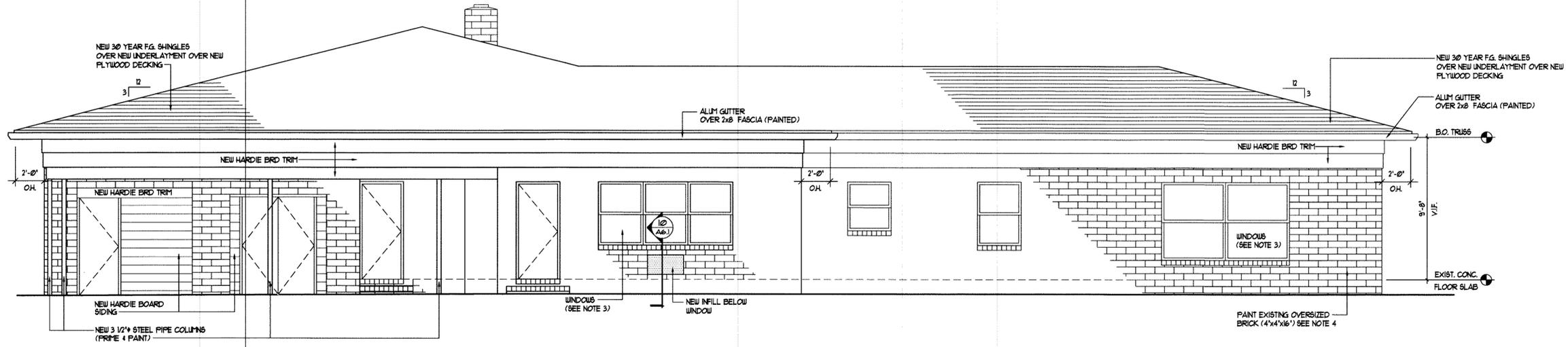
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A3.1

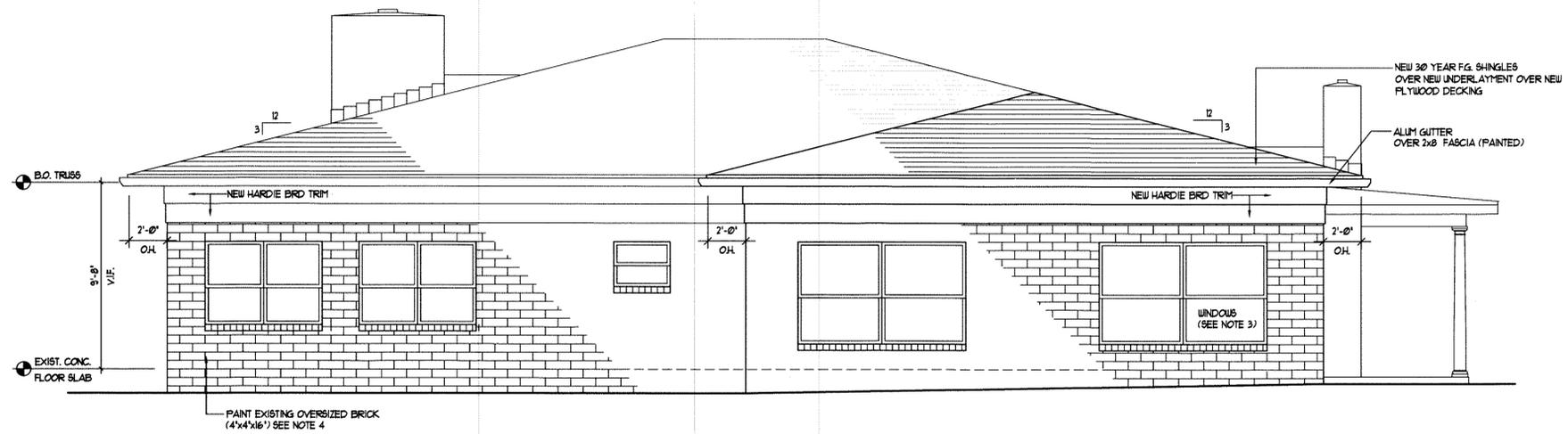
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NOTES

1. THE CONTRACTOR SHALL INSPECT ALL WOOD FASCIA, SOFFITS, ROOF OVERHANGS, AND PORCH CEILINGS, AND REMOVE AND/OR REPLACE ANY DAMAGED WOOD. PREP EXISTING WOOD AS REQUIRED FOR NEW PAINT.
2. MATCH EXISTING BRICK STYLE, SIZE & COLOR.
3. CONTRACTOR TO INSPECT ALL WINDOW UNITS & REPLACE FAILED INSULATED GLASS & SASH MECHANISM UNITS.
4. THE CONTRACTOR SHALL INSPECT ALL BRICK AND REMOVE AND/OR REPLACE ANY EXISTING DAMAGED BRICK OR MISSING BRICK. CLEAN EXISTING BRICK BY LOW OR MODERATE PRESSURE WASH (NOT CHEMICAL WASH). EVALUATE THE CONDITION OF THE MORTAR JOINTS. REPORT MISSING, CRACKED, SPALLED, AND CRUMBING MORTAR JOINTS.



1 EAST ELEVATION
A3.2 SCALE 1/8"=1'-0"



2 NORTH ELEVATION
A3.2 SCALE 1/8"=1'-0"



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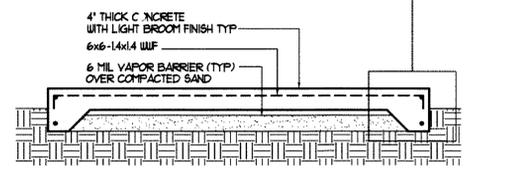
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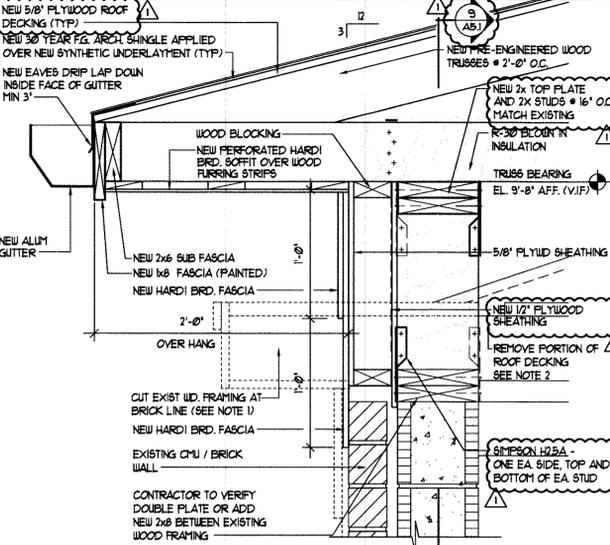
A3.2

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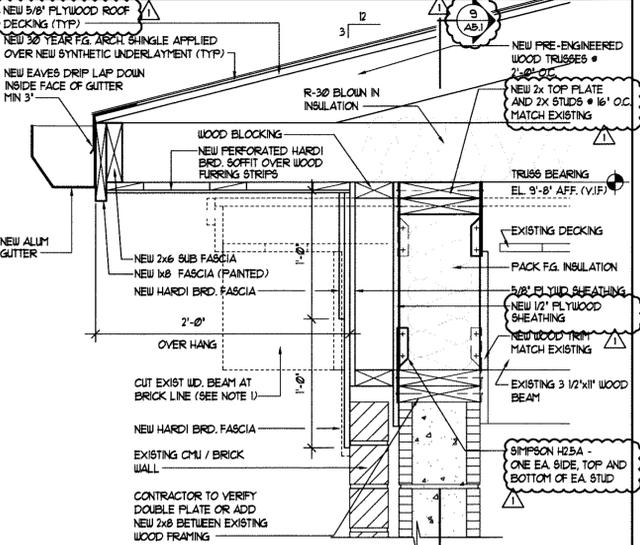
7 RAMP SECTION
A5.1 SCALE: 3/4"=1'-0"



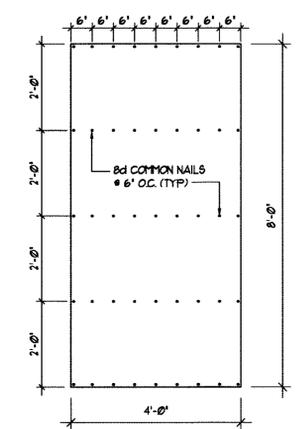
4 SECTION
A5.1 1 1/2"=1'-0"



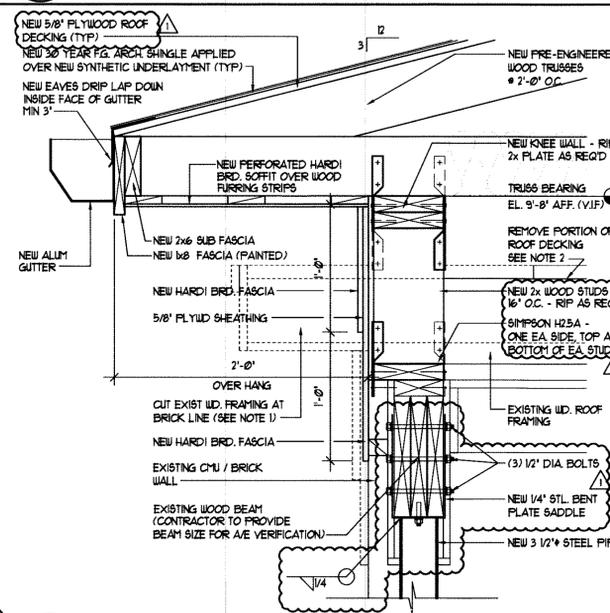
1 SECTION
A5.1 1 1/2"=1'-0"



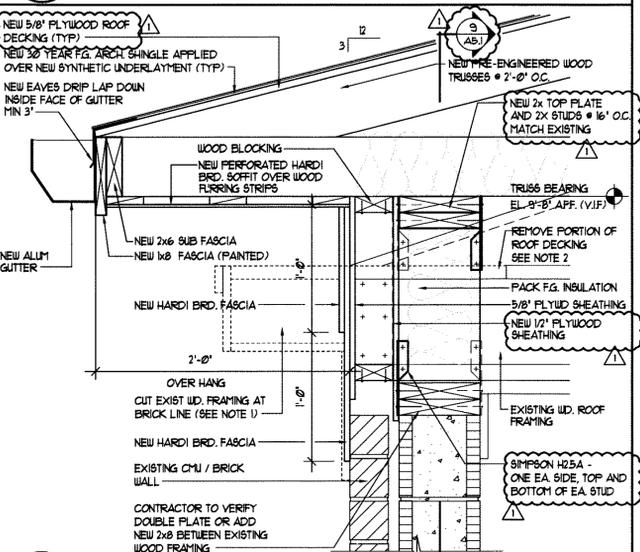
8 TYPICAL NAILING PATTERN FOR EXTERIOR SHEATHING
A5.1 SCALE: 1/2"=1'-0"



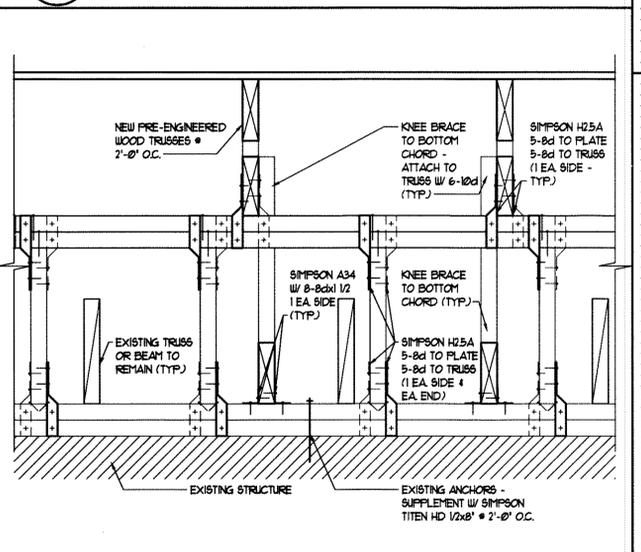
5 SECTION
A5.1 1 1/2"=1'-0"



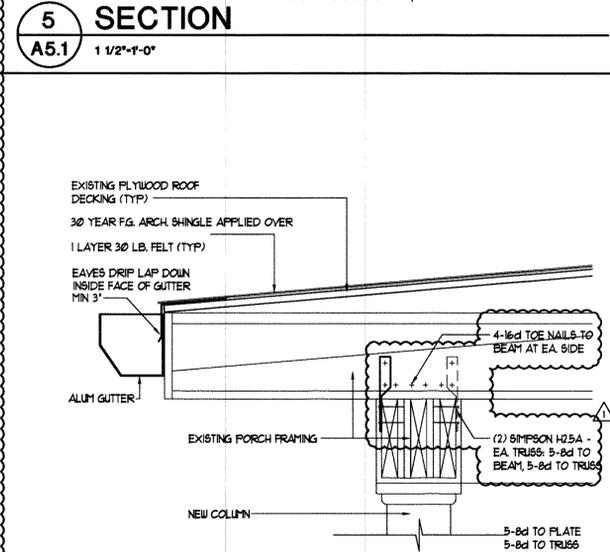
2 SECTION
A5.1 1 1/2"=1'-0"



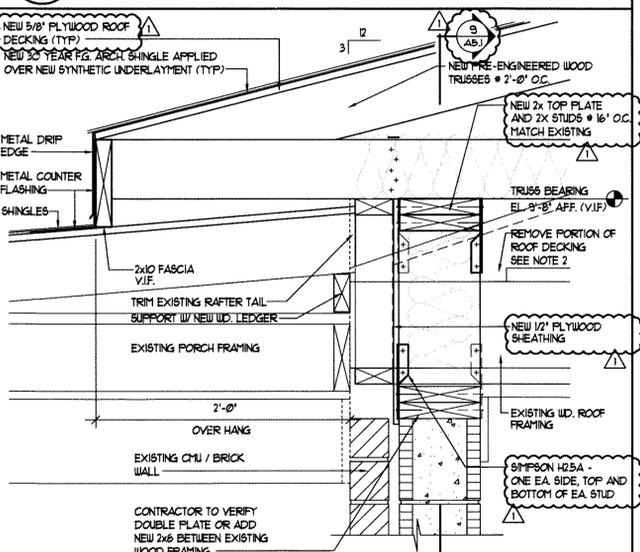
9 SECTION
A5.1 1 1/2"=1'-0"



6 SECTION
A5.1 1 1/2"=1'-0"



3 SECTION
A5.1 1 1/2"=1'-0"



- NOTES**
- REMOVE PORTION OF EXISTING ROOF SYSTEM, METAL FLASHING, SOFFITS, ROOF DECK, FOR INSTALLATION OF NEW ROOF, NEW SOFFIT AND NEW FASCIA.
 - REMOVE PORTION OF EXISTING ROOF DECKING TO ALLOW FOR INSTALLATION OF NEW ROOF TRUSSES + TRUSS TIE-DOWNS

**BARNETT
FRONCZAK
BARLOWE
ARCHITECTS**

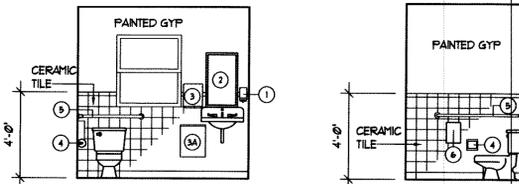
14050
PROJECT CODE

16 AUGUST 2013
DATE

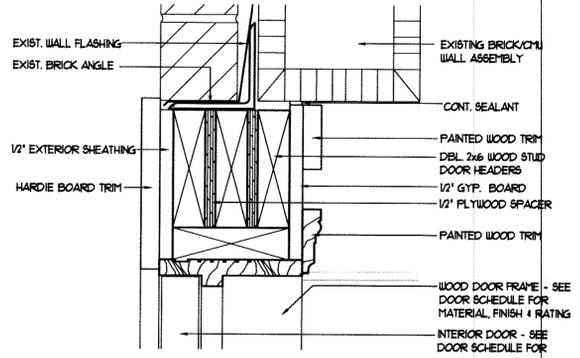
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Leon County
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Welcome Center
Renovation
Tallahassee Florida

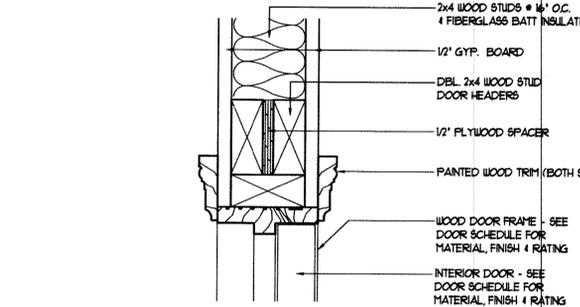
A5.1



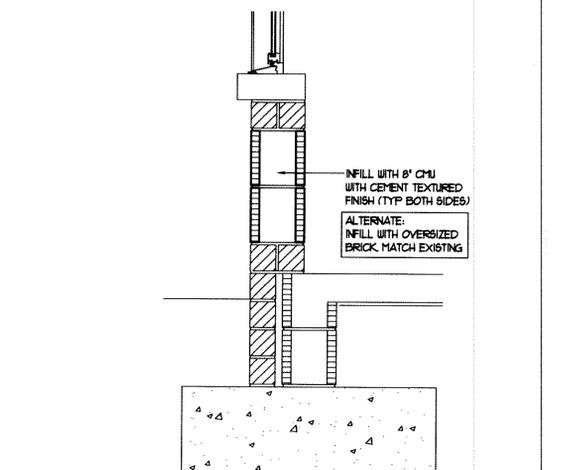
6 Cabinet Section **7 Cabinet Section**
A6.1 SCALE 1/2" = 1'-0"



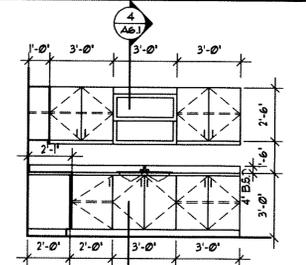
8 EXTERIOR DOOR SECTION
A6.1 SCALE 3/4" = 1'-0"



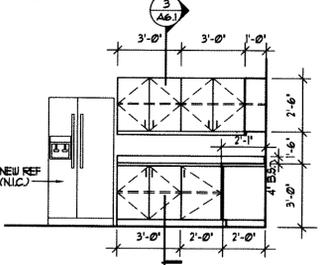
9 INTERIOR DOOR SECTION
A6.1 SCALE 3/4" = 1'-0"



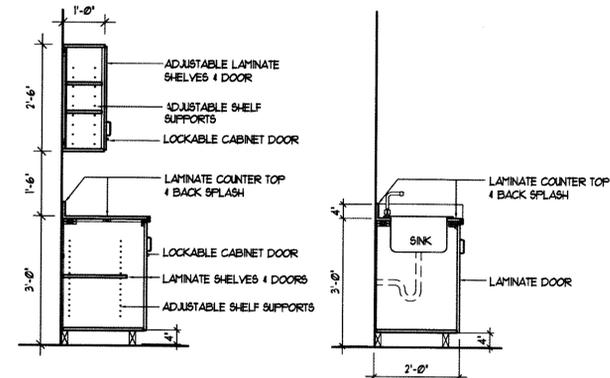
10 SECTION
A6.1 SCALE 1" = 1'-0"



1 Cabinet Elevation
A6.1 SCALE 1/4" = 1'-0"

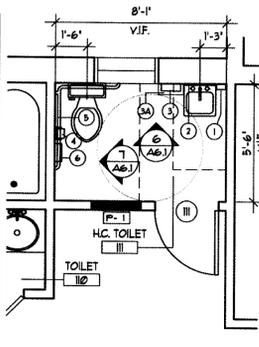


2 Cabinet Elevation
A6.1 SCALE 1/4" = 1'-0"



3 Cabinet Section **4 Cabinet Section**
A6.1 SCALE 1/2" = 1'-0"

MARK	ITEM	MFR. #
1	SOAP DISPENSER	BRADLEY 6562 SURFACE MOUNTED SOAP DISPENSER MOUNTING HEIGHT (TO DISP. BUTTON) BARRIER FREE - 44" AFF. MAX.
2	MIRROR	BRADLEY 181 - 24" x 36" 40" TO BOTTOM EDGE OF REFLECTED SURFACE
3	PAPER TOWEL DISPENSER SURFACE MOUNTED	BRADLEY 250-B, MOUNTING HT. (TO TOWEL) BARRIER FREE - 40" AFF.
3A	WASTE RECEPTACLE SURFACE MOUNTED	BRADLEY 351, MOUNTING HT. (OPENING) BARRIER FREE - 28" AFF.
4	SURFACE MTD. TOILET TISSUE DISPENSER	BRADLEY 5241 SATIN FINISH 19" AFF. TO SPINDLE C.
5	36" x 52" GRAB BAR	BRADLEY 800-059 1-1/2" DIA. STAINLESS STEEL W/ SNAP FLANGE COVER 36" AFF. MOUNTING HEIGHT
6	NAPKIN DISPOSAL	BRADLEY 4181-B 32" AFF. TO TOP (SURFACE MOUNTED)

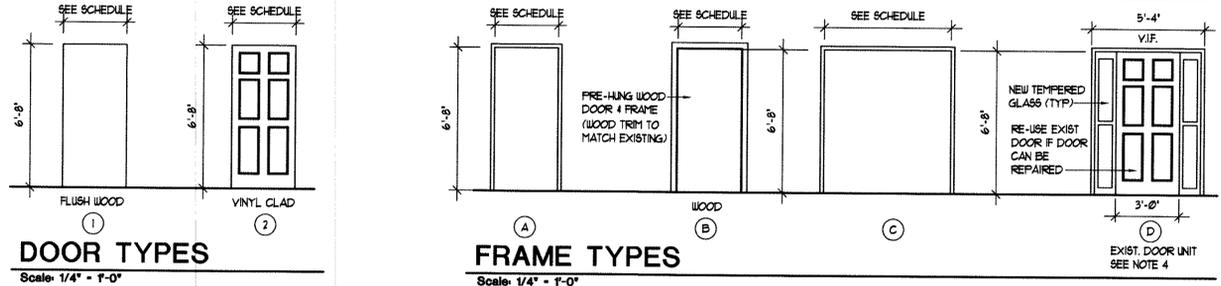


5 Enlarged Plan
A6.1 SCALE 1/4" = 1'-0"

Room No.	Room Name	Floor	Base	Wall/Finish				Ceiling	Ht.	Remarks
				North	East	South	West			
100	ENTRY	NEW PLANK	NEW UD	PAINT EXIST. GYP.	-	SALVAGE EXISTING PLANK FROM RM 100B DEMO				
100A	TOILET	EXISTING TILE	EXIST. TILE	TILE/PANT	TILE/PANT	TILE/PANT	TILE/PANT	PAINT EXIST. GYP.	-	PAINT EXISTING WALL ABOVE TILE
101	EXHIBIT	EXISTING PLANK	EXIST. UD	PATCH/PNT	PT-1	PT-1	PATCH/PNT	PAINT EXIST. GYP.	-	RETAIN EXISTING CASEWORK - N WALL
101A	CLOSET	NEW PLANK	EXIST. UD	PT-1	PT-1	PT-1	PT-1	PAINT EXIST. GYP.	-	RETAIN/PAINT EXISTING SHELVEING
102	MULTI-PURPOSE	NEW PLANK	NEW UD	P/P EX. MS.	P/P EX. MS.	P/P EX. MS.	PT-1	PAINTED BEAM/ACT-1	-	-
103	HALL	NEW PLANK	NEW UD	PT-1	PT-1	PT-1	PT-1	PAINT EXIST. GYP.	-	-
104	LIBRARY	NEW PLANK	NEW UD	PT-1	PT-1	PT-1	PT-1	PAINT EXIST. GYP.	-	-
104A	CLOSET	NEW PLANK	NEW UD	PT-1	PT-1	PT-1	PT-1	PAINT EXIST. GYP.	-	-
104B	CLOSET	NEW PLANK	NEW UD	PT-1	PT-1	PT-1	PT-1	PAINT EXIST. GYP.	-	-
105	CUSTODIAL	NEW PLANK	NEW UD	PT-1	PT-1	PT-1	PT-1	PAINT EXIST. GYP.	-	-
106	CLOSET	NEW PLANK	NEW UD	PT-1	PT-1	PT-1	PT-1	PAINT EXIST. GYP.	-	-
107	OFFICE	NEW PLANK	NEW UD	P/P EX. MS.	PT-1	PT-1	P/P EX. MS.	TONGUE & GROOVE WOOD	-	-
107A	FILES	NEW PLANK	NEW UD	PT-1	PT-1	PT-1	PT-1	TONGUE & GROOVE WOOD	-	-
108	CONFERENCE	NEW PLANK	NEW UD	P/P EX. MA	P/P EX. MA	EX PANEL	EX PANEL	TONGUE & GROOVE WOOD	-	REPAIR/ STAIN CEILING
108A	CLOSET	NEW PLANK	NEW UD	PT-1	PT-1	PT-1	PT-1	PAINT EXIST. GYP.	-	-
108B	TOILET	EXIST. TILE	EXIST. TILE	PT-1	PT-1	PT-1	PT-1	PAINT EXIST. GYP.	-	CLEAN EXISTING WALL TILE
109	CLOSET	NEW PLANK	NEW UD	PT-1	PT-1	PT-1	PT-1	PAINT EXIST. GYP.	-	-
110	TOILET	EXIST. TILE	EXIST. TILE	TILE/PANT	TILE/PANT	TILE/PANT	TILE/PANT	PAINT EXIST. GYP.	-	-
111	H.C. TOILET	NEW TILE	NEW TILE	TILE/PANT	TILE/PANT	TILE/PANT	TILE/PANT	PAINT EXIST. GYP.	-	TILE WALL TO 4' AFF/ PAINT ABOVE
112	SHOP	NEW PLANK	NEW UD	PT-1	PT-1	PT-1	PT-1	PAINT EXIST. GYP.	-	-
113	OFFICE	NEW PLANK	NEW UD	PT-1	PT-1	PT-1	PT-1	PAINT EXIST. GYP.	-	-
114	COVERED RECREATION	-	-	-	-	-	-	-	-	-

P/P EX. MS. - POINT/PAINT EXISTING MASONRY

Mark	Doors						Frame			Assembly					Remarks
	Type	Size	Th	Mat	Finish	Hdwe	Type	Mat	Finish	Head	Jamb	Thresh	Label	Door Closer	
100	-	EXIST. 3'-0" x 6'-8" (V.I.F.)	-	WOOD	PAINT	-	D	UD.	PAINT	8/A6.1 SH	-	ALUM	-	-	ADA COMPLIANT THRESHOLD 1/2" MAX HEIGHT
102	#2	# EXIST. 3'-0" x 6'-8" (V.I.F.)	1-3/4"	VINYL CLAD	PRE-FINISHED	-	EXIST	EXIST. UD.	PAINT	-	-	ALUM	-	-	# REPLACE EXIST. DOOR IF DOOR CANT BE REPAIRED
102A	#2	# EXIST. 3'-0" x 6'-8" (V.I.F.)	1-3/4"	VINYL CLAD	PRE-FINISHED	-	EXIST	EXIST. UD.	PAINT	-	-	ALUM	-	-	# REPLACE EXIST. DOOR IF DOOR CANT BE REPAIRED
106	1	3'-0" x 6'-8"	1-3/4"	9.C.	STAIN	1	B	UD.	STAIN	9/A6.1	-	-	-	-	-
111	1	3'-0" x 6'-8"	1-3/4"	9.C.	STAIN	1	B	UD.	STAIN	9/A6.1	-	MARBLE	-	-	-
112	2	(2) 2'-6" x 6'-8"	1-3/4"	VINYL CLAD	PRE-FINISHED	2	C	UD.	PAINT	8/A6.1	-	ALUM	-	-	-
113	2	3'-0" x 6'-8"	1-3/4"	VINYL CLAD	PRE-FINISHED	1	A	UD.	PAINT	8/A6.1	-	ALUM	-	-	-



DOOR TYPES
 Scale: 1/4" = 1'-0"

FRAME TYPES
 Scale: 1/4" = 1'-0"

MARK	RATING	SYMBOL	PLAN SECTION	ASSEMBLY	WALL THICK	REMARKS
[F-1]				1 1 LAYER 1/2" GYP. BOARD - TYPE 'X' 2 2 x 4 WOOD STUDS @ 16" O.C. 3 FIBERGLASS SOUND BATTS	5" NOM. 4 5/8" ACTUAL	
[F-2]				1 1 LAYER 1/2" GYP. BOARD - TYPE 'X' 2 2 x 4 WOOD BLOCKING 3 EXISTING WALL ASSEMBLY	10" ACTUAL	
[F-3]				1 2x6 WOOD STUDS @ 16" O.C. # P-5 ONLY 2 1 LAYER 1/2" EXTERIOR SHEATHING W/ 1/2" FELT OVER SHEATHING 3 HARDIE BOARD SIDING 4 1 LAYER 1/2" GYP. BOARD - TYPE 'X' 5 FIBERGLASS BATT INSULATION (R-19)	6" NOM. 1" ACTUAL	

PARTITION SCHEDULE

NOTES

- ALL INTERIOR FINISH MATERIALS SHALL BE CLASS 'B' FINISH MATERIALS WITH A FLAME SPREAD RATING OF 26-75 AND SMOKE DEVELOPED RATING OF 0-450.
- QUARTER ROUND AT ALL NEW BASE
- PATCH/ REPAIR ALL CEILING AS REQUIRED BEFORE PAINTING
- PATCH/ REPAIR EXISTING DOOR, FRAME AND TRIM AND PAINT.

DOOR HARDWARE SET NO. 1		
3 PAIR	HINGES	56
1	STORAGE LOCK SET	SATIN CHROME
1 PAIR	FLUSH BOLTS - TOP & BOTTOM	56

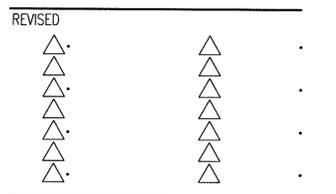
DOOR HARDWARE SET NO. 2		
3 PAIR	HINGES	56
1	OFFICE LOCK SET	SATIN CHROME

ALL NEW DOORS TO HAVE TUBULAR DOOR LEVERS



14050 PROJECT CODE

16 AUGUST 2013 DATE



Leon County
 Fred George Greenway
 Welcome Center
 Renovation
 Tallahassee Florida

A6.1

SECTION 07300 - EXECUTION

PART 1 - GENERAL

1) RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 07 Specification Sections, apply to this Section.

12) SUMMARY

A. Section includes general administrative and procedural requirements governing execution of the work including, but not limited to, the following:

- 1. Construction layout.
2. Field engineering.
3. Installation of the work.
4. Cutting and patching.
5. Progress cleaning.
6. Starting and adjusting.
7. Protection of installed construction.

B. Related Requirements:

- 1. Section 07410 'Selective Demolition' for demolition and removal of selected portions of the building.
2. Section 067B3 'Shop-Fabricated Wood Trusses' for engineering of wood trusses.

13) DEFINITIONS

A. Cutting: Removal of in-place construction necessary to permit installation or performance of other work.
B. Patching: Fitting and repair work required to restore construction to original condition after installation of other work.

14) INFORMATIONAL SUBMITTALS

A. Cutting and Patching Plan: Submit plan describing procedures at least 10 days prior to the time cutting and patching will be performed, including the following information:

- 1. Utilities and Mechanical and Electrical Systems: List services and systems that cutting and patching procedures will disturb or affect. List services and systems that will be relocated and those that will be temporarily out of service. Indicate length of the permanent service and systems will be disrupted.

15) QUALITY ASSURANCE

A. Cutting and Patching: Comply with requirements for and limitations on cutting and patching of construction elements.

1. Structural Elements: When cutting and patching structural elements, notify Architect of location and details of cutting and patching directions from Architect before proceeding. Shoring, bracing, and support structural elements during cutting and patching. Do not cut and patch structural elements in a manner that could change their load-carrying capacity or increase deflection.

2. Operational Elements: Do not cut and patch operating elements and related components in a manner that results in reducing their capacity to perform as intended or that results in increased maintenance or decreased operational life or safety. Operational elements include the following:

- a. Mechanical systems piping and ducts.
b. Fire-detection and -alarm systems.
c. Electrical wiring systems.

3. Other Construction Elements: Do not cut and patch other construction elements or components in a manner that could change their load-carrying capacity that results in reducing their capacity to perform as intended, or that results in increased maintenance or decreased operational life or safety. Other construction elements include but are not limited to the following:

- a. Wall, ceiling, or vapor barriers.
b. Membranes and flashings.
c. Piping, ductwork, vessels, and equipment.

4. Visual Elements: Do not cut and patch construction in a manner that results in visual evidence of cutting and patching. Do not cut and patch exposed construction in a manner that would, in Architect's opinion, reduce the building's aesthetic qualities. Remove and replace construction that has been cut and patched in a visually unsatisfactory manner.

PART 2 - PRODUCTS

2) MATERIALS

A. In-Place Materials: Use materials for patching identical to in-place materials. For exposed surfaces, use materials that visually match in-place adjacent materials to the fullest extent possible.

1. If identical materials are unavailable or cannot be used, use materials that, when installed, will provide a match acceptable to Architect for the visual and functional performance of in-place materials.

PART 3 - EXECUTION

3) EXAMINATION

A. Existing Conditions: The existence and location of underground and other utilities and construction indicated as existing are not guaranteed. Before beginning electrical, investigate and verify the existence and location of underground utilities, mechanical and electrical systems, and other construction affecting the work.

1. Before construction, verify the location and invert elevation at points of connection of sanitary sewer, storm sewer, and water-service piping; underground electrical services, and other utilities.
2. Furnish location data for work related to Project that must be performed by public utilities serving Project site.

B. Examination and Acceptance of Conditions: Before proceeding with each component of the work, examine substrates, areas, and conditions, with Installer or Applicator present where indicated, for compliance with requirements for installation tolerances and other conditions affecting performance. Record observations.

1. Examine roughing-in for mechanical and electrical systems to verify actual locations of connections before equipment and fixture installation.
2. Examine walls, floors, and roofs for suitable conditions where products and systems are to be installed.
3. Verify compatibility with and suitability of substrates, including compatibility with existing finishes or primers.

C. Proceed with installation only after unsatisfactory conditions have been corrected. Proceeding with the work indicates acceptance of surfaces and conditions.

32) PREPARATION

A. Field Measurements: Take field measurements as required to fit the work properly. Recheck measurements before installing each product. Where portions of the work are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication. Coordinate fabrication schedule with construction progress to avoid delaying the work.

B. Space Requirements: Verify space requirements and dimensions of items shown diagrammatically on Drawings.

C. Review of Contract Documents and Field Conditions: Immediately on discovery of the need for clarification of the Contract Documents caused by differing field conditions outside the control of Contractor, submit a request for information to Architect according to requirements in Section 07300 'Project Management and Coordination.'

33) CONSTRUCTION LAYOUT

A. Site Improvements: Locate and lay out site improvements, including pavements, grading, fill and topsoil placement, utility slopes, and rise and invert elevations.

34) INSTALLATION

A. General: Locate the work and components of the work accurately in correct alignment and elevation, as indicated.

1. Make vertical work plumb and make horizontal work level.

B. Comply with manufacturer's written instructions and recommendations for installing products in applications indicated.

C. Install products at the time and under conditions that will ensure the best possible results. Maintain conditions required for product performance until Substantial Completion.

D. Conduct construction operations so no part of the work is subjected to damaging operations or loading in excess of that expected during normal conditions of occupancy.

SECTION 06100 - MISCELLANEOUS ROUGH CARPENTRY

PART 1 - GENERAL

1) RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 06 Specification Sections, apply to this Section.

12) SUMMARY

A. Section includes:

- 1. Framing with dimension lumber.
2. Wood blocking and nailing.
3. Wood sleepers.
B. Related Requirements:
1. Section 06160 'Sheathing'.
2. Section 06170 'Shop-Fabricated Wood Trusses'.
3. Section 074646 'Fiber Cement Siding'.

13) ACTION SUBMITTALS

A. Product Data: For each type of process and factory-fabricated product, indicate component materials and dimensions and include construction and application details.

14) DELIVERY, STORAGE, AND HANDLING

A. Stack lumber flat, with spacers beneath and between each bundle to provide air circulation. Protect lumber from weather by covering with waterproof sheathing, securely anchored. Provide for air circulation around stacks and under coverings.

PART 2 - PRODUCTS

2) WOOD PRODUCTS, GENERAL

A. Maximum Moisture Content of Lumber: 19 percent unless otherwise indicated.

22) WOOD-PRESERVATIVE-TREATED MATERIALS

A. Preservative Treatment by Pressure Process: ACPA Use Category UC3b for exterior construction not in contact with the ground, and Use Category UC4c for items in contact with the ground.
B. Kiln-dry Lumber After Treatment to a maximum moisture content of 19 percent. Do not use material that is warped or down not comply with requirements for untreated material.

C. Application: Treat all miscellaneous carpentry unless otherwise indicated items indicated on Drawings, and the following:
1. Wood cuts, millers, corbs, equipment support bases, blocking, stripping, and similar members in connection with roofing, flashing, vapor barriers, and waterproofing.
2. Wood sills, sleepers, blocking, and other concealed members in contact with masonry or concrete.
3. Wood framing and lurring attached directly to the interior of below-grade exterior masonry or concrete walls.
4. Wood floor plies that are installed over concrete slabs-on-grade.

23) DIMENSION LUMBER FRAMING

A. Non-Load-Bearing Interior Partitions: Construction or No. 2 grade and the following species:
1. Mixed southern pine SP1B.
B. Other Framing: Construction or No. 2 grade and the following species:
1. Mixed southern pine SP1B.

24) MISCELLANEOUS LUMBER

A. General: Provide miscellaneous lumber indicated and labor for support or attachment of other construction, including the following:
1. Blocking.
2. Nailers.
B. For items of dimension lumber size, provide Construction or No. 2 grade lumber and the following species:
1. Mixed southern pine SP1B.

25) PLYWOOD BACKING PANELS

A. Equipment Backing Panels: DOC P5 L Exterior, AC, in thickness indicated or, if not indicated, not less than 3/4-inch (19-mm) nominal thickness.
1. Plywood shall comply with the testing and product requirements of the California Department of Health Services' 'Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers.'

26) FASTENERS

A. General: Provide fasteners of size and type indicated that comply with requirements specified in this article for material and manufacture.
1. For roof sheathing, provide fasteners with hot-dip zinc coating complying with ASTM A 834A B34.
B. Nails, Brads, and Staples: ASTM F 1667.
C. Power-Driven Fasteners: NES NER-272.
D. Wood Screws: ASME B86.6.
E. Lag Bolts: ASME B18.21 (ASME B182.3.81).

28) FASTENERS

A. General: Provide fasteners of size and type indicated that comply with requirements specified in this article for material and manufacture.
1. Where carpentry is exposed to weather, in ground contact, pressure-preservative treated, or in area of high relative humidity, provide fasteners with hot-dip zinc coating complying with ASTM A 834A B34.
B. Nails, Brads, and Staples: ASTM F 1667.
C. Power-Driven Fasteners: NES NER-272.
D. Wood Screws: ASME B86.6.
E. Lag Bolts: ASME B18.21 (ASME B182.3.81).

29) FASTENERS

A. General: Provide fasteners of size and type indicated that comply with requirements specified in this article for material and manufacture.
1. For roof sheathing, provide fasteners with hot-dip zinc coating complying with ASTM A 834A B34.
B. Nails, Brads, and Staples: ASTM F 1667.
C. Power-Driven Fasteners: NES NER-272.
D. Wood Screws: ASME B86.6.
E. Lag Bolts: ASME B18.21 (ASME B182.3.81).

30) FASTENERS

A. General: Provide fasteners of size and type indicated that comply with requirements specified in this article for material and manufacture.
1. For roof sheathing, provide fasteners with hot-dip zinc coating complying with ASTM A 834A B34.
B. Nails, Brads, and Staples: ASTM F 1667.
C. Power-Driven Fasteners: NES NER-272.
D. Wood Screws: ASME B86.6.
E. Lag Bolts: ASME B18.21 (ASME B182.3.81).

31) FASTENERS

A. General: Provide fasteners of size and type indicated that comply with requirements specified in this article for material and manufacture.
1. For roof sheathing, provide fasteners with hot-dip zinc coating complying with ASTM A 834A B34.
B. Nails, Brads, and Staples: ASTM F 1667.
C. Power-Driven Fasteners: NES NER-272.
D. Wood Screws: ASME B86.6.
E. Lag Bolts: ASME B18.21 (ASME B182.3.81).

32) FASTENERS

A. General: Provide fasteners of size and type indicated that comply with requirements specified in this article for material and manufacture.
1. For roof sheathing, provide fasteners with hot-dip zinc coating complying with ASTM A 834A B34.
B. Nails, Brads, and Staples: ASTM F 1667.
C. Power-Driven Fasteners: NES NER-272.
D. Wood Screws: ASME B86.6.
E. Lag Bolts: ASME B18.21 (ASME B182.3.81).

33) FASTENERS

A. General: Provide fasteners of size and type indicated that comply with requirements specified in this article for material and manufacture.
1. For roof sheathing, provide fasteners with hot-dip zinc coating complying with ASTM A 834A B34.
B. Nails, Brads, and Staples: ASTM F 1667.
C. Power-Driven Fasteners: NES NER-272.
D. Wood Screws: ASME B86.6.
E. Lag Bolts: ASME B18.21 (ASME B182.3.81).

END OF SECTION 07300

SECTION 067B3 - SHOP-FABRICATED WOOD TRUSSES

PART 1 - GENERAL

1) RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 06 Specification Sections, apply to this Section.

12) SUMMARY

A. Section includes:

- 1. Wood roof trusses.
B. Related Requirements:
1. Section 06160 'Sheathing' for roof sheathing.

13) DEFINITIONS

A. Metal-Plate-Connected Wood Trusses: Planar structural units consisting of metal-plate-connected members fabricated from dimension lumber and cut and assembled before delivery to Project site.

14) ACTION SUBMITTALS

A. Shop Drawings: Show fabrication and installation details for trusses.

- 1. Show location, pitch, span, camber, configuration, and spacing for each type of truss required.
2. Indicate size, stress grades, and species of lumber.
3. Indicate locations of permanent bracing required to prevent buckling of individual truss members due to design loads.
4. Indicate locations, sizes, and materials for permanent bracing required to prevent buckling of individual truss members due to design loads.
5. Indicate type, size, material, finish design values, orientation, and location of metal connector plates.
6. Show splice details and bearing details.

B. Delegated-Design Submittal: For metal-plate-connected wood trusses indicated to comply with performance requirements and design criteria, including multiple detail signed and sealed by the qualified professional engineer responsible for their preparation.

15) INFORMATIONAL SUBMITTALS

A. Product Certificates: For metal-plate-connected wood trusses, signed by officer of truss fabricating firm.

16) QUALITY ASSURANCE

A. Fabricator Qualification: Shop that participates in a recognized quality-assurance program that complies with quality-control procedures in TPI 1 and that involves third-party inspection by an independent testing and inspecting agency acceptable to Architect and authorities having jurisdiction.

17) DELIVERY, STORAGE, AND HANDLING

A. Handle and store trusses to comply with recommendations in TPI BCB, 'Building Component Safety Information Guide to Good Practice for Handling, Installing, Restraint, & Bracing Metal Plate Connected Wood Trusses.'

1. Store trusses flat, off of ground, and adequately supported to prevent lateral bending.
2. Protect trusses from weather by covering with waterproof sheathing, securely anchored.
3. Provide for air circulation around stacks and under coverings.

B. Inspect trusses showing discoloration, corrosion, or other evidence of deterioration. Discard and replace trusses that are damaged or defective.

PART 2 - PRODUCTS

2) PERFORMANCE REQUIREMENTS

A. Delegated Design: Engage a qualified professional engineer, to design metal-plate-connected wood trusses.

B. Structural Performance: Provide metal-plate-connected wood trusses capable of withstanding design loads within limits and under conditions indicated. Comply with requirements in TPI 1 unless more stringent requirements are specified below.

1. Design Loads: As required by the Florida Building Code, 2010 Edition w/ revisions.
2. Maximum Deflection Under Design Loads:
a. Roof Trusses: Vertical deflection of 1/240 of span.

C. Comply with applicable requirements and recommendations of the following publications:

- 1. TPI 1, 'National Design Standard for Metal Plate Connected Wood Truss Construction'.
2. TPI D56, 'Recommended Design Specification for Temporary Bracing of Metal Plate Connected Wood Trusses'.
3. TPI BCB, 'Building Component Safety Information Guide to Good Practice for Handling, Installing, Restraint, & Bracing Metal Plate Connected Wood Trusses.'

D. Wood Structural Design Standards: Comply with applicable requirements in AF&PA's 'National Design Specifications for Wood Construction' and its 'Supplement.'

22) DIMENSION LUMBER

A. Certified Lumber: For metal-plate-connected wood trusses and permanent bracing, provide materials produced from wood obtained from forests certified by an FSC-accredited certification body to comply with FSC 010-01-0101, 'FSC Principles and Criteria for Forest Stewardship.'

B. Lumber: DOC P5 2B and applicable rules of grading agencies indicated. If no grading agency is indicated, provide lumber that complies with the applicable rules of any rules writing agency certified by the ALBC Board of Review. Provide lumber graded by an agency certified by the ALBC Board of Review to inspect and grade lumber under the rules indicated.

- 1. Factory mark each piece of lumber with grade stamp of grading agency.
2. Provide dressed lumber: 3/4".
3. Provide dry lumber with 19 percent maximum moisture content at time of dressing.

23) METAL CONNECTOR PLATES

A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the work include, but are not limited to, the following:

- 1. Alpha Engineered Products, Inc. an ITW company.
2. Cherokee Metal Products, Inc. a Harsco Machinery Company.
3. Robbins Engineering, Inc.
4. Trussal Systems Corporation an ITW company.

B. Source Limitation: Obtain metal connector plates from single manufacturer.

C. General: Fabricate connector plates to comply with TPI 1.

D. Hot-Dip Galvanized-Steel Shear: ASTM A 653/A 653M Structural Steel (56). High-strength low-alloy steel: ASTM A 1045/A 1045M Type A1 or High-strength low-alloy steel: Type B 1045/A 1045M Type B1 660 (280) coating designation and not less than 0.036 inch (0.9 mm) thick.

1. Use for interior locations unless otherwise indicated.

24) FASTENERS

A. General: Provide fasteners of size and type indicated that comply with requirements specified in this article for material and manufacture.

1. Provide fasteners for use with metal framing anchors that comply with written recommendations of metal framing manufacturer.

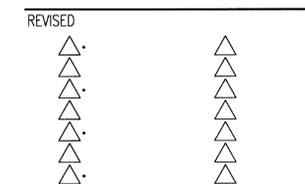
B. Nails, Brads, and Staples: ASTM F 1667.

NOTES



14650 PROJECT CODE

16 AUGUST 2013 DATE



Leon County Fred George Greenway Welcome Center Renovation Tallahassee Florida

A7.1

225 SOUTH ADAMS ST., TALLAHASSEE, FLORIDA 32301 PHONE 850 224-6301 FAX 850 561-6978

CONTINUE SECTION 061783 - SHOP-FABRICATED WOOD TRUSSES

25 METAL FRAMING ANCHORS AND ACCESSORIES

- A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the work include but are not limited to, the following:
1. Cleveland Steel Specialty Co.
2. KC Metals Products, Inc.
3. Phoenix Metal Products, Inc.
4. Simpson Strong-Tie Co., Inc.
5. USP Structural Connectors.
B. Allowable Design Loads: Provide products with allowable design loads, as published by manufacturer, that meet or exceed those of beam-of-design products.

- C. Galvanized-Steel Sheets: Hot-dip, zinc-coated steel sheet complying with ASTM A 653/A 653M 560 (230) coating designation.
1. Use for interior locations unless otherwise indicated.

- D. Truss Tie-Downs: Best strap tie for fastening roof trusses to wall studs below, 1-1/2 inches (38 mm) wide by 0.250 inch (13 mm) thick. Tie fastens to one side of truss, top plate, and side of stud below.

- E. Roof Truss Clips: Angle clips for bracing bottom chord of roof trusses at non-load-bearing walls, 1/4 inch (3 mm) wide by 0.250 inch (13 mm) thick. Clip is fastened to truss through slotted holes to allow for truss deflection.

- F. Roof Truss Bracing/Spacers: U-shaped channels, 1-1/2 inches (38 mm) wide by 1 inch (25 mm) deep by 0.090 inch (2 mm) thick, made to fit between two adjacent trusses and accurately space them apart, and with tabs having metal teeth for fastening to trusses.

26 MISCELLANEOUS MATERIALS

- A. Galvanizing Repair Paste: 56PC-Paint 26, with dry file containing a minimum of 94 percent zinc dust by weight.

27 FABRICATION

- A. Cut truss members to accurate lengths, angles, and sizes to produce close-fitting joints.
B. Fabricate metal connector plates to sizes, configurations, thicknesses, and anchorage details required to withstand design loads for types of joint designs indicated.
C. Assemble truss members in design configuration indicated use jigs or other means to ensure uniformity and accuracy of assembly with joints closely fitted to comply with tolerances in TPI 1. Position members to produce design center indicated.
1. Fabricate wood trusses within manufacturing tolerances in TPI 1.
D. Connect truss members by metal connector plates located and securely embedded simultaneously in both sides of wood members by air or hydraulic press.

PART 3 - EXECUTION

31 INSTALLATION

- A. Install wood trusses only after supporting construction is in place and is braced and secured.
B. If trusses are delivered to Project site in more than one piece, assemble trusses before installing.
C. Hoist trusses in place by lifting equipment, suited to sizes and types of trusses required, exercising care not to damage truss members or joints by out-of-plane bending or other causes.
D. Install and brace trusses according to TPI recommendations and as indicated.
E. Install trusses plumb, square, and true to line and securely fasten to supporting construction.
F. Space trusses as indicated; adjust and align trusses in location before permanently fastening.
G. Anchor trusses securely at bearing points; use metal truss tie-downs or floor truss hangers as applicable. Install fasteners through each fastener hole in metal framing anchors according to manufacturer's fastening schedules and written instructions.
H. Securely connect each truss ply required for forming built-up girder trusses.
1. Anchor trusses to girder trusses as indicated.
I. Install and fasten permanent bracing during truss erection and before construction loads are applied. Anchor ends of permanent bracing where terminating at walls or beams.
J. Install wood trusses within installation tolerances in TPI 1.
K. Do not alter trusses in field. Do not cut, drill, notch, or remove truss members.
L. Replace wood trusses that are damaged or do not meet requirements.
1. Damaged trusses may be repaired according to truss repair details signed and sealed by the qualified professional engineer responsible for truss design, when approved by Architect.

32 REPAIRS AND PROTECTION

- A. Protect wood trusses from weather. If, despite protection, wood trusses become wet, apply EPA-registered borate treatment. Apply borate solution by spraying to comply with EPA-registered label.
B. Repair damaged galvanized coatings on exposed surfaces with galvanized repair paint according to ASTM A 780 and manufacturer's written instructions.
C. Protective Coating: Clean and prepare exposed surfaces of metal connector plates. Brush apply primer, when part of coating system, and one coat of protective coating.
1. Apply materials to provide minimum dry film thickness recommended by coating system manufacturer.

END OF SECTION 061783

SECTION 07310 - ASPHALT SHINGLES

PART 1 - GENERAL

11 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 07 Specification Sections, apply to this Section.

12 SUMMARY

A. Section Includes:

- 1. Asphalt shingles.
2. Underlayment.
3. Ridge vents.
4. Metal flashing and trim.

13 DEFINITION

- A. Roofing Terminology: See ASTM D 1079 and glossary of NRCA's "The NRCA Roofing and Waterproofing Manual" for definitions of terms related to roofing work in this Section.

14 ACTION SUBMITTALS

- A. Product Data: For each type of product.
B. Samples: For each exposed product and for each color and texture specified.
1. Asphalt Shingles: Full size.

15 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For installer.
B. Sample Warranty: For manufacturer's warranty.

16 MAINTENANCE MATERIAL SUBMITTALS

- A. Finish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
1. Asphalt Shingles: 100 sq. ft. (9.3 sq. m) of each type, in unbroken bundles.

17 QUALITY ASSURANCE

- A. Installer Qualifications: An authorized representative who is trained and approved by manufacturer.
B. Store roofing materials in a dry, well-ventilated location protected from weather, sunlight, and moisture according to manufacturer's written instructions.

18 DELIVERY, STORAGE, AND HANDLING

- A. Store roofing materials in a dry, well-ventilated location protected from weather, sunlight, and moisture according to manufacturer's written instructions.
B. Store underlayment rolls on end on pallets on other raised surfaces. Do not double stack rolls.
C. Protect unused roofing materials from weather, sunlight, and moisture when left overnight or when roofing work is not in progress.
D. Handle, store, and place roofing materials in a manner to prevent damage to roof deck and structural supporting members.

19 WARRANTY

- A. Manufacturer's Warranty: Manufacturer agrees to repair or replace asphalt shingles that fail within specified warranty period.
1. Failures include, but are not limited to, the following:
a. Manufacturing defects.
2. Material Warranty Period: 40 years from date of Substantial Completion, prorated, with first 20 years nonprorated.
3. Algae-Resistance Warranty Period: Asphalt shingles will not discolor for 10 years from date of Substantial Completion.
4. Workmanship Warranty Period: 20 years from date of Substantial Completion.
B. Roofing Installer's Warranty: On warranty form at end of this Section, signed by installer, in which installer agrees to repair or replace components of asphalt-shingle roofing that fail in materials or workmanship within specified warranty period.
1. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

21 PERFORMANCE REQUIREMENTS

- A. Exterior Fire-Test Exposure: Provide asphalt shingles and related roofing materials identical to those of assemblies tested for Class A fire resistance according to ASTM E 108 or UL 790 by Underwriters Laboratories or another testing and inspecting agency acceptable to authorities having jurisdiction. Identify products with appropriate markings of applicable testing agency.

22 GLASS-FIBER-REINFORCED ASPHALT SHINGLES

- A. Laminated-Strip Asphalt Shingles: ASTM D 3462/D 3462M, laminated, multi-ply overlay construction, glass-fiber reinforced, mineral-granule surfaced, and self-sealing.

- 1. Beals-of-Design Product: Subject to compliance with requirements, provide GAF-Tiberline® Cool Series or comparable product by one of the following:
a. CertainTeed Corporation.
b. Owens Corning.
c. TANKO Building Products, Inc.
2. Built Edge: Notched cut.
3. Strip Size: Manufacturer's standard.
4. Algae Resistance: Granules resist algae discoloration.
5. Impact Resistance: UL 228, Class 4.
6. Color and Blend: As selected by Architect from manufacturer's full range.

23 UNDERLAYMENT MATERIALS

- A. Synthetic Underlayment: UV-resistant polypropylene, polypropyl, or polyethylene polymer fabric with surface coatings or treatments to improve traction underfoot and abrasion resistance evaluated and documented to be suitable for use as a roof underlayment under applicable codes by a testing and inspecting agency acceptable to authorities having jurisdiction.

- 1. Beals-of-Design Product: Subject to compliance with requirements, provide GAF - Deck Armor, Premium Breathable Roof Deck Protection or comparable product by one of the following:
a. Grace, H. R. & Co. - Com.
b. Owens Corning.
c. TANKO Building Products, Inc.

24 RIDGE VENTS

- A. Flexible Ridge Vent: Manufacturer's standard, compression-resisting, three-dimensional, open-pylon or polyester-mat filter bonded to a nonwoven, nonstretching geotextile fabric cover.
1. Beals-of-Design Product: Subject to compliance with requirements, provide GAF - Cobra Exhaust Vent or comparable product by one of the following:
a. TANKO Building Products, Inc.
2. Minimum Net Free Area: 16.5 inches per lineal foot.

- B. Solar Powered Vents: Manufacturer's standard solar powered exhaust vent designed to remove heat and moisture from attic.
1. Beals-of-Design Product: Subject to compliance with requirements, provide GAF - Green Machine Solar Powered Roof Exhaust Vent, or comparable product approved by manufacturer.

25 ACCESSORIES

- A. Asphalt Roofing Cement: ASTM D 4066, Type II, asbestos free.
B. Roofing Nails: ASTM F 1661H aluminum, stainless-steel, copper, or hot-dip galvanized-steel wire shingle nails, minimum 0.200-inch (5-mm) diameter, sharp-pointed, with a minimum 3/8-inch (9.5-mm) diameter flat head and of sufficient length to penetrate 3/4 inch (19 mm) into solid wood decking or extend at least 1/8 inch (3 mm) through OSB or plywood sheathing.
1. Shank: Barbed.
2. Where nails are in contact with metal flashing, use nails made from same metal as flashing.
C. Synthetic-Underlayment Fasteners: As recommended in writing by synthetic-underlayment manufacturer for application indicated.

26 METAL FLASHING AND TRIM

- A. General:
1. Sheet Metal: Aluminum, mill finished.
B. Fabricate sheet metal flashing and trim to comply with recommendations in SMACNA's "Architectural Sheet Metal Manual" that apply to design, dimensions, metal, and other characteristics of the item.
1. Apron Flashing: Fabricate with lower flange a minimum of 4 inches (100 mm) over and 4 inches (100 mm) beyond each side of downslope asphalt shingles and 6 inches (150 mm) up the vertical surface.
2. Step Flashing: Fabricate with a headlap of 2 inches (50 mm) and a minimum extension of 4 inches (100 mm) over the underlying asphalt shingle and up the vertical surface.
3. Cricket or Backer Flashing: Fabricate with concealed flange extending a minimum of 18 inches (450 mm) beneath upslope asphalt shingles and 6 inches (150 mm) beyond each side of chimneys and 6 inches (150 mm) above the roof plane.
4. Open-Valley Flashing: Fabricate in lengths not exceeding 10 feet (3 m) with 1-inch (25-mm) high, inverted-V profile at center of valley and equal flange widths of 10 inches (250 mm).
5. Drip Edges: Fabricate in lengths not exceeding 10 feet (3 m) with 2-inch (50-mm) roof-deck flange and 1-1/2-inch (38-mm) fascia flange with 3/8-inch (9.5-mm) drip at lower edge.
C. Vent Pipe Flashing: ASTM B 749, Type 150R, at least 1/16 inch (1.6 mm) thick. Provide lead sleeve sized to slip over and turn down into pipe, soldered to skirt at slope of roof, and extending at least 4 inches (100 mm) from pipe onto roof.

PART 3 - EXECUTION

31 EXAMINATION

- A. Examine substrates, areas, and conditions, with installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the work.
1. Examine roof sheathing to verify that sheathing joints are supported by framing and blocking or metal clips and that installation is within fitness tolerances.
2. Verify that substrate is sound, dry, smooth, clean, sloped for drainage, and completely anchored and that provisions have been made for flashings and penetrations through asphalt shingles.
B. Prepare written report, endorsed by installer, listing conditions detrimental to performance of the work.
C. Proceed with installation only after unsatisfactory conditions have been corrected.

32 UNDERLAYMENT INSTALLATION

- A. General: Comply with underlayment manufacturer's written installation instructions applicable to products and applications indicated unless more stringent requirements apply.
B. Synthetic Underlayment: Install on roof deck parallel with and starting at the eaves. Lap sides and ends and treat laps as recommended in writing by manufacturer. Stagger and laps between succeeding courses at interval recommended in writing by manufacturer. Fasten according to manufacturer's written instructions. Cover underlayment within period recommended in writing by manufacturer.
1. Install in single layer on roofs sloped at 4:12 and greater.
2. Install in double layer on roofs sloped at less than 4:12.
C. Metal-Finished, Open-Valley Underlayment: Install two layers of minimum 36-inch (914-mm) wide underlayment centered in valley. Stagger and laps between layers at least 72 inches (1820 mm). Lap ends of each layer at least 2 inches (50 mm) in direction to shed water, and seal with asphalt roofing cement. Fasten each layer to roof deck.
1. Lap roof-deck underlayment over first layer of valley underlayment at least 6 inches (150 mm).
1. Lap roof-deck underlayment over first layer of valley underlayment at least 6 inches (150 mm).

33 METAL FLASHING INSTALLATION

- A. Install metal flashings according to recommendations in ARMA's "Residential Asphalt Roofing Manual" and NRCA's "NRCA Guidelines for Asphalt Shingle Roof Systems."
B. Apron Flashing: Extend lower flange over and beyond each side of downslope asphalt shingles and up the vertical surface.
C. Step Flashing: Install with a headlap of 2 inches (50 mm) and extend over the underlying asphalt shingle and up the vertical surface. Fasten to roof deck only.
D. Cricket or Backer Flashing: Install against the roof-penetrating element extending concealed flange beneath upslope asphalt shingles and beyond each side.
E. Open-Valley Flashing: Install centered in valley, lapping ends at least 8 inches (200 mm) in direction to shed water. Fasten upper end of each length to roof deck beneath overlap.
1. Secure beaded flange edges into metal cleats spaced 12 inches (300 mm) apart and fastened to roof deck.
F. Rake Drip Edges: Install rake drip-edge flashings over underlayment and fasten to roof deck.
G. Eave Drip Edges: Install eave drip-edge flashings below underlayment and fasten to roof sheathing.
H. Pipe Flashing: Form flashing around pipe penetrations and asphalt shingles. Fasten and seal to asphalt shingles as recommended by manufacturer.

34 ASPHALT-SHINGLE INSTALLATION

- A. General: Install asphalt shingles according to manufacturer's written instructions, recommendations in ARMA's "Residential Asphalt Roofing Manual" and recommendations in NRCA's "NRCA Guidelines for Asphalt Shingle Roof Systems."
1. Section 061053 "Rough Carpentry" for wood furring, grounds, nailing, and blocking.

END OF SECTION 07310

SECTION 074646 - FIBER-CEMENT SIDING

PART 1 - GENERAL

11 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 07 Specification Sections, apply to this Section.

12 SUMMARY

- A. Section Includes: Fiber-cement siding and soffit.
B. Related Requirements:
1. Section 061053 "Rough Carpentry" for wood furring, grounds, nailing, and blocking.

13 COORDINATION

- A. Coordinate siding installation with flashings and other adjoining construction to ensure proper sequencing.

14 ACTION SUBMITTALS

- A. Product Data: For each type of product. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes.
B. Samples: For initial selection. For fiber-cement siding and soffit including related accessories.

15 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace products that fail in materials or workmanship within specified warranty period.
1. Failures include, but are not limited to, the following:
a. Structural failures including cracking and delimiting.
b. Detachment of materials beyond normal weathering.
2. Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

21 MANUFACTURERS

- A. Source Limitations: Obtain products, including related accessories, from single source from single manufacturer.

22 FIBER-CEMENT SIDING

- A. General: ASTM C 106, Type A, Grade II, fiber-cement board, noncombustible when tested according to ASTM E 1361 with a flame-spread index of 25 or less when tested according to ASTM E 84.
1. Beals-of-Design Product: Subject to compliance with requirements, provide James Hardie Panels or comparable product by one of the following:
a. CertainTeed Corporation.
b. HixTite, Inc.
c. Nichie Fiber Cement.
d. Norandex Building Materials Distribution, Inc.
B. Nominal Thickness: Not less than 5/16 inch (8 mm).
C. Horizontal Pattern: Boards 8-1/4 to 8-1/2 inches (210 to 216 mm) wide in plain style.
1. Texture: Smooth.

23 FIBER-CEMENT SOFFIT

- A. General: ASTM C 106, Type A, Grade II, fiber-cement board, noncombustible when tested according to ASTM E 1361 with a flame-spread index of 25 or less when tested according to ASTM E 84.
1. Beals-of-Design Product: Subject to compliance with requirements, provide James Hardie - vented smooth Hardie soffit panels or comparable product by one of the following:
a. CertainTeed Corporation.
b. HixTite, Inc.
c. Nichie Fiber Cement.
d. Norandex Building Materials Distribution, Inc.
B. Nominal Thickness: Not less than 1/4 inch (6.35 mm).
C. Pattern: 24-inch (600-mm) wide sheets with smooth texture.
D. Ventilation: Provide perforated soffit.
E. Factory Fining: Manufacturer's standard acrylic primer.

24 ACCESSORIES

- A. Siding Accessories, General: Provide starter strips, edge trim, outside and inside corner caps, and other items as recommended by siding manufacturer for building configuration.
1. Provide accessories matching color and texture of adjacent siding unless otherwise indicated.
B. Decorative Accessories: Provide the following fiber-cement decorative accessories as indicated:
1. Corner posts.
2. Door and window casings.
3. Fascias.
4. Nosing and trim.
C. Flashing: Provide aluminum flashing where indicated.
D. Finish: For Aluminum Flashing: Factory-prime coating.
E. Fasteners:
1. For fastening to wood, use ribbed bugle-head screws of sufficient length to penetrate a minimum of 1 inch (25 mm) into substrate.
2. For fastening to metal, use ribbed bugle-head screws of sufficient length to penetrate a minimum of 1/4 inch (6 mm) or three screw-threads into substrate.
3. For fastening fiber cement, use hot-dip galvanized fasteners.
E. Insect Screening for Soffit Vents: Aluminum, 18-by-16 (14-by-16-mm) mesh.

PART 3 - EXECUTION

31 EXAMINATION

- A. Examine substrates for compliance with requirements for installation tolerances and other conditions affecting performance of fiber-cement siding and soffit, and related accessories.
B. Proceed with installation only after unsatisfactory conditions have been corrected.

32 PREPARATION

- A. Clean substrates of projections and substances detrimental to application.

33 INSTALLATION

- A. General: Comply with manufacturer's written installation instructions applicable to products and applications indicated unless more stringent requirements apply.

- B. Install joint sealants to produce a weathertight installation.

34 ADJUSTING AND CLEANING

- A. Remove damaged, improperly installed, or otherwise defective materials and replace with new materials complying with specified requirements.
B. Clean finished surfaces according to manufacturer's written instructions and maintain in a clean condition during construction.

END OF SECTION 074646

SECTION 09903 - INTERIOR PAINTING

PART 1 - GENERAL

11 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 09 Specification Sections, apply to this Section.

12 SUMMARY

- A. Section Includes: surface preparation and the application of paint systems on the following interior substrates:
1. Clay masonry (interior and exterior).
2. Concrete masonry units (CMU).
3. Steel.
4. Wood.
5. Gypsum board.
6. Spray-textured ceilings.

13 ACTION SUBMITTALS

- A. Product Data: For each type of product. Include preparation requirements and application instructions.

14 DELIVERY, STORAGE, AND HANDLING

- A. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperature continuously maintained at not less than 45 deg F (7 deg C).

15 FIELD CONDITIONS

- A. Apply paints only when temperature of surfaces to be painted and ambient air temperature are between 50 and 95 deg F (10 and 35 deg C).
B. Do not apply paints when relative humidity exceeds 85 percent at temperatures less than 5 deg F (3 deg C) above the dew point or to damp or wet surfaces.

PART 2 - PRODUCTS

21 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
1. Behr Process Corporation.
2. Benjamin Moore & Co.
3. Color Match Paints & Coatings.
4. ICI Paints.
5. PPG Architectural Finishes, Inc.
6. Sherwin-Williams Company (The).
22 PAINT, GENERAL
A. Material Compatibility:
1. Provide materials for use with each paint system that are compatible with one another and substrate indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
2. For each coat in a paint system, provide products recommended in writing by manufacturer of topcoat for use in paint system and on substrate indicated.
B. Colors: As selected by Architect from manufacturer's full range.

NOTES

23 BLOCK FILLERS

- A. Block Filler, Latex, Interior/Exterior: MFI 94.
1. Sherwin Williams - Protective and Marine, heavy duty block filler (BS200205/25/26/28/29/30).

24 PRIMER/SEALERS

- A. Primer Sealer, Latex, Interior: MFI 950.
1. Sherwin Williams - Pro Mar 200 Interior Latex Primer (BS200200).
B. Primer, Latex, for Interior Wood: MFI 99.
1. Sherwin Williams - Multi-Purpose Latex Primer/Sealer (BS200240/60).
23 METAL PRIMERS
A. Primer, Alkyd, Anti-Corrosive, for Metal: MFI 970.
1. Sherwin Williams - Protective and Marine Kem Krom Universal Primer (BS200201).

24 ACCESSORIES

- A. Siding Accessories, General: Provide starter strips, edge trim, outside and inside corner caps, and other items as recommended by siding manufacturer for building configuration.
1. Provide accessories matching color and texture of adjacent siding unless otherwise indicated.
B. Decorative Accessories: Provide the following fiber-cement decorative accessories as indicated:
1. Corner posts.
2. Door and window casings.
3. Fascias.
4. Nosing and trim.
C. Flashing: Provide aluminum flashing where indicated.
D. Finish: For Aluminum Flashing: Factory-prime coating.
E. Fasteners:
1. For fastening to wood, use ribbed bugle-head screws of sufficient length to penetrate a minimum of 1 inch (25 mm) into substrate.
2. For fastening to metal, use ribbed bugle-head screws of sufficient length to penetrate a minimum of 1/4 inch (6 mm) or three screw-threads into substrate.
3. For fastening fiber cement, use hot-dip galvanized fasteners.
E. Insect Screening for Soffit Vents: Aluminum, 18-by-16 (14-by-16-mm) mesh.

PART 3 - EXECUTION

31 EXAMINATION

- A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the work.
B. Gypsum Board Substrates: Verify that finishing compound is sanded smooth.
C. Verify suitability of substrates, including surface conditions and compatibility with existing finishes and primers.
D. Proceed with coating application only after unsatisfactory conditions have been corrected.
1. Application of coating indicates acceptance of surface and conditions.

32 PREPARATION

- A. Remove hardware, covers, plates, and similar items already in place that are removable and are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.
1. After completing painting operations, use workers skilled in the trades involved to reattach items that were removed. Remove surface-applied protection if any.
B. Clean substrates of substances that could impair bond of paints, including dust, dirt, oil, grease, and incompatible paints and encapsulants.
1. Remove incompatible primers and replace substrate with compatible primers or apply tie coat as required to produce paint system indicated.
C. Masonry Substrates: Remove efflorescence and chalk. Do not paint surfaces if moisture content or alkalinity of surfaces or mortar joints exceed that permitted in manufacturer's written instructions.
D. Steel Substrates: Remove rust, loose mill scale, and shop primer, if any. Clean using methods recommended in writing by paint manufacturer.
E. Wood Substrates:
1. Scrape and clean knots, and apply coat of knot sealer before applying primer.
2. Sand surfaces that will be exposed to view, and dust off.
3. Prime edges, ends, faces, undersides, and backside of wood.
4. After priming, fill holes and imperfections in the finish surfaces with putty or plastic wood filler. Sand smooth when dried.

33 APPLICATION

- A. Apply paints according to manufacturer's written instructions.
1. Use applications and techniques suited for paint and substrate indicated.
2. Paint surfaces behind movable equipment and furniture same as similar exposed surfaces. Before final installation, paint surfaces behind permanently fixed equipment or furniture with prime coat only.
3. Paint front and backside of access panels, removable or hinged covers, and similar hinged items to match exposed surfaces.
4. Do not paint over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates.
5. Primers specified in painting schedules may be omitted on items that are factory primed or factory finished if acceptable to topcoat manufacturer.
B. If undercoat or other conditions show through topcoat, apply additional coats until cured film has a uniform paint finish, color, and appearance.
C. Apply paints to produce surface film without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.
D. Paint the following work where exposed in occupied spaces:
a. Equipment, including panelboards.
b. Uninsulated metal piping.
c. Uninsulated plastic piping.
d. Pipe hangers and supports.
e. Metal conduit.
f. Plastic conduit.

34 CLEANING AND PROTECTION

- A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from project site.
B. After completing paint application, clean spattered surfaces. Remove spattered paint by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.
C. Protect work of other trades against damage from paint application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.
D. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

35 INTERIOR PAINTING SCHEDULE

A. Clay-Masonry Substrates:

- 1. Latex System:
a. Prime Coat: Latex, interior, matching topcoat.
b. Intermediate Coat: Latex, interior, matching topcoat.
c. Topcoat: Latex, interior, flat, (Gloss Level 1), MFI 953.

B. CMU Substrates:

- 1. High-Performance Architectural Latex System:
a. Block Filler/Block Filler, latex, interior/exterior, MFI 94.
b. Intermediate Coat: Latex, interior, high performance architectural, matching topcoat.
c. Topcoat: Latex, interior, high performance architectural, semi-gloss (Gloss Level 5), MFI 941.

C. Steel Substrates:

- 1. Latex over Alkyd Primer System:
a. Prime Coat: Primer, alkyd, anti-corrosive, for metal, MFI 970 or primer, alkyd, quick dry, for metal, MFI 976.
b. Intermediate Coat: Latex, interior, matching topcoat.
c. Topcoat: Latex, interior, semi-gloss, (Gloss Level 5), MFI 954.

D. Wood Substrates: Including wood trim architectural woodwork doors and wood-based panel products exposed beams.

1. Latex System:

- a. Prime Coat: Primer, latex, for interior wood, MFI 99.
b. Intermediate Coat: Latex, interior, matching topcoat.
c. Topcoat: Latex, interior, (Gloss Level 2), MFI 944.
d. Topcoat: Latex, interior, semi-gloss, (Gloss Level 5), MFI 954.

E. Gypsum Board Substrates:

- 1. High-Performance Architectural Latex System:
a. Prime Coat: Primer sealer, latex, interior, MFI 950.
b. Intermediate Coat: Latex, interior, high performance architectural, matching topcoat.
c. Topcoat: Latex, interior, high performance architectural, (Gloss Level 2), MFI 938.

F. Spray-Textured Ceiling Substrates:

MECHANICAL SPECIFICATIONS

GENERAL

- ALL WORK SHALL COMPLY WITH THE ARCHITECTURAL GENERAL CONDITIONS. SEE ARCHITECTURAL SPECIFICATIONS.
- ALL MECHANICAL WORK SHALL BE INSTALLED BY A LICENSED CONTRACTOR CERTIFIED IN THE STATE OF FLORIDA, DEPARTMENT OF PROFESSIONAL REGULATION.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE HIS WORK WITH THAT OF OTHER TRADES. SEE ARCHITECTURAL SECTIONS FOR A DESCRIPTION OF WORK AND SEQUENCE OF CONSTRUCTION. THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC IN NATURE. THEY ARE, HOWEVER, AS ACCURATE AS SCALE PERMITS AND THE CONTRACTOR SHALL FOLLOW THEM AS CLOSELY AS POSSIBLE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL CONDITIONS RELATING TO THE WORK IN THE FIELD PRIOR TO BIDDING AND PRIOR TO PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL VERIFY ALL WALLS, PARTITIONS, AND STRUCTURAL SYSTEMS BEFORE INSTALLATION AND FABRICATION OF ANY EQUIPMENT, DUCT, AND PIPING SYSTEMS. ALL OFFSETS REQUIRED FOR INSTALLATION OF DUCT AND PIPING SHALL BE INCLUDED IN THE SCOPE OF WORK AT NO ADDITIONAL COST TO THE OWNER. THE ARCHITECT SHALL BE THE SOLE INTERPRETER OF THE DRAWINGS.
- ALL MATERIALS SHALL BE NEW, USA MANUFACTURED AND OF BEST QUALITY AND SHALL BE THE PRODUCTS OF REPUTABLE MANUFACTURERS. MATERIALS AND EQUIPMENT SHALL BE PROPERLY STORED AND PROTECTED FROM THE WEATHER AT ALL TIMES DURING CONSTRUCTION TO PREVENT UNNECESSARY CORROSION AND FOULING. ALL WORK SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER BY SKILLED AND COMPETENT MECHANICS. ANY WORKER CONSIDERED INADEQUATE OR UNFIT FOR WORK ON THIS CONSTRUCTION PROJECT SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR UNDER THE DIRECTION OF THE ARCHITECT.
- THE WORK SHALL COMPLY WITH ALL APPLICABLE CODES, REGULATIONS, ORDINANCES, ETC., WHETHER FEDERAL, STATE OR LOCAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY PERMITS AND PAYING ANY FEES REQUIRED IN ORDER TO PROCEED WITH THE WORK.
- THE CONTRACTOR IS REQUIRED TO ATTEND ALL CONSTRUCTION CONFERENCES INCLUDING A PRE-BID CONFERENCE (IF SCHEDULED), THE PRE-CONSTRUCTION CONFERENCE AND THE OWNER'S PROGRESS MEETINGS AS SCHEDULED BY THE ARCHITECT OR THE OWNER.
- FAILURE TO MAKE REFERENCES IN THE SPECIFICATIONS TO ANY ITEMS OF THE WORK SHOWN BY THE DRAWINGS, AND NECESSARY TO THE COMPLETION OF THE WORK SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO FURNISH THE MATERIALS AND PERFORM THE WORK OF SUCH ITEMS IN A MANNER COMPARABLE TO OTHER ITEMS OF SIMILAR NATURE FOR WHICH DETAILED SPECIFICATIONS ARE INCLUDED. DRAWINGS AND SPECIFICATIONS ARE INTENDED TO CLEARLY SET FORTH ALL WORK, AND THE DETAILED DESCRIPTION IS ADDED TO ASSIST IN ESTABLISHING THE SCOPE AND THE LOCATION OF THE SEVERAL PARTS OF THE WORK. THE CONTRACTOR SHALL OBTAIN AND CONTROL THE SCOPE, CHARACTER AND DESIGN OF THE WORK, AND ANY ITEM CALLED FOR IN ANY ONE OF THE DOCUMENTS SHALL BE AS THOUGH REQUIRED IN ALL.
- WORK CONSISTS OF FURNISHING ALL LABOR, LIFTS, MATERIALS, TOOLS, EQUIPMENT, TRANSPORTATION, SCHEDULING SERVICES, SUPERVISION, AND PERFORMING ALL OPERATIONS REQUIRED TO PROPERLY COMPLETE ALL WORK IN ACCORDANCE WITH THESE SPECIFICATIONS AND AS CALLED FOR IN THE APPLICABLE DRAWINGS, SUBJECT TO TERMS AND CONDITIONS OF THE CONTRACT. THE CONTRACTOR IS REQUIRED TO HAVE A QUALIFIED AND EXPERIENCED GENERAL SUPERINTENDENT AND EXPERIENCED SUPERINTENDENT FOR EACH TRADE INVOLVED ON THE JOB WHEN ANY WORK IS IN PROGRESS. ALL WORK SHALL CONFORM WITH ALL LOCAL AND STATE ORDINANCES OR REGULATIONS GOVERNING THE INSTALLATION OF WORK AS INDICATED BY THE DRAWINGS AND INDICATED OR SPECIFIED IS RECOGNIZED TO BE CONTRARY TO OR CONFLICTING WITH LOCAL ORDINANCES OR REGULATIONS, THE CONTRACTOR SHALL REPORT SAME TO THE ARCHITECT BEFORE SUBMITTING A BID. THE ARCHITECT WILL THEN ISSUE INSTRUCTIONS AS TO PROCEDURE. IF CONTRACTOR FAILS TO NOTIFY THE ARCHITECT OF CONFLICTS OR OMISSIONS NOTED ABOVE, ALL CHANGES REQUIRED TO COMPLY WITH ORDINANCES AND REGULATIONS SHALL BE MADE WITHOUT ADDITIONAL EXPENSE TO THE OWNER.
- THE LATEST EDITIONS OF THE ESTABLISHED STANDARDS OF THE FOLLOWING ORGANIZATIONS, AND INDIVIDUAL STANDARDS NAMED SHALL BE FOLLOWED THE SAME AS IF THEY WERE FULLY WRITTEN HEREIN AND CONSTITUTE A PART OF THE SPECIFICATION REQUIREMENTS EXCEPT WHERE OTHERWISE SPECIFIED:
 - FLORIDA BUILDING CODE, 2010 WITH LATEST REVISIONS
 - FLORIDA PLUMBING CODE, 2010 WITH LATEST REVISIONS
 - FLORIDA MECHANICAL CODE, 2010 WITH LATEST REVISIONS
 - NEPA 70, NATIONAL ELECTRICAL CODE
 - NFPA 101, LIFE SAFETY CODE
 - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS
 - LEON COUNTY, FLORIDA
 - CITY OF TALLAHASSEE
- THE SUBMISSION OF A BID OR PROPOSAL WILL BE CONSIDERED AS EVIDENCE THAT THE CONTRACTOR HAS FAMILIARIZED HIMSELF/HERSELF WITH THE PLANS, SPECIFICATIONS AND BUILDING SITE. CLAIMS MADE SUBSEQUENT TO THE PROPOSAL FOR MATERIALS AND/OR LABOR DUE TO DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED, UNLESS DIFFICULTIES COULD NOT HAVE BEEN FORESEEN EVEN THOUGH PROPER EXAMINATION HAD BEEN MADE.
- ALL POWER WIRING, RELAYS, PANELS, TRANSFORMERS, DISCONNECT SWITCHES FOR HVAC EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. ALL CONTROL WIRING, RELAYS, PANELS SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR. ALL MOTOR STARTERS REQUIRED FOR HVAC MOTORS SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR WITH THE REQUIRED EQUIPMENT. ALL STARTERS SHALL BE INSTALLED BY THE ELECTRICAL CONTRACTOR.
- ALL FEES, PERMITS, TAPS, LICENSE, INSURANCE, AND BONDS SHALL BE PAID BY THIS CONTRACTOR FOR ALL RELATED WORK.

CUTTING AND PATCHING

ALL CUTTING AND PATCHING SHALL BE DONE BY WORKMEN SKILLED IN THE TRADES INVOLVED. ALL CUTTING SHALL BE DONE IN SUCH A MANNER AS NOT TO ENHANCE OR DAMAGE FACILITIES. ALL PATCHING SHALL FINISH FLUSH AND SMOOTH AND SHALL MATCH EXISTING ADJOINING SURFACES.

FUEL AND WATER

SEE GENERAL REQUIREMENTS FOR ELECTRICITY AND WATER. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL FUEL REQUIRED FOR THE OPERATION OF HIS CONSTRUCTION EQUIPMENT.

TESTING

- ALL FINISHED FIELD INSTALLED PRESSURE PIPING SYSTEMS SHALL RECEIVE A COMPLETE TEST UNDER THE REQUIRED OPERATING PRESSURE FOR A PERIOD OF NOT LESS THAN EIGHT (8) HOURS WITH NO LEAKAGE EVIDENT DURING THE TEST. REFRIGERANT PIPING SYSTEMS SHALL BE CHECKED WITH A LEAK DETECTOR PRIOR TO INSULATING. MISCELLANEOUS PIPING SYSTEMS SHALL BE TESTED BY A STATIC PRESSURE TEST AS APPROVED BY THE LOCAL BUILDING INSPECTION DEPARTMENT. ALL PIPING SYSTEMS, EQUIPMENT, SPECIALTIES, ETC., SHALL BE TESTED UNDER ACTUAL OPERATING CONDITIONS AFTER COMPLETION OF CONSTRUCTION AND ANY MALFUNCTIONS, LEAKAGE OR WARPAGE SHALL BE CORRECTED. DURING THIS TEST, THE PUMPS, TRAPS, VALVES, STRAINERS, SPECIALTIES AND ALL ACCESSORIES SHALL BE GIVEN A THOROUGH INSPECTION AND ALL ITEMS SHALL BE LEFT IN FIRST CLASS WORKING ORDER. THE DURATION OF THE TEST SHALL BE FOR NOT LESS THAN EIGHT (8) HOURS OR UNTIL THE COMPLETE INSTALLATION IS OPERATING IN A SATISFACTORY MANNER AS APPROVED BY THE ARCHITECT AND THE OWNER. THE CONTRACTOR SHALL TEST ALL SYSTEMS FOR THEIR INTENDED FUNCTION.
- A COMPLETE TEST AND BALANCE OF THE AIR DISTRIBUTION SYSTEM SHALL BE PERFORMED BY THE MECHANICAL CONTRACTOR AND A TEST REPORT SUBMITTED TO THE ENGINEER PRIOR TO JOB ACCEPTANCE BY THE OWNER. TESTING SHALL INCLUDE THE FOLLOWING:
 - SUPPLY AIR, RETURN AIR, AND EXHAUST AIR TO EACH AIR DEVICE
 - SUPPLY, RETURN AND OUTSIDE AIR AT EACH AHU
 - AHU LEAK AIR TEMPERATURE, DRY BULB AND WET BULB
 - AHU EXIT AIR TEMPERATURE, DRY BULB AND WET BULB
 - OUTSIDE AMBIENT TEMPERATURES, DB AND WB AT TIME OF TESTING.

IF PROJECT COMPLETION OCCURS DURING WINTER HEATING MONTHS THE CONTRACTOR SHALL RETURN TO THE SITE DURING PEAK SUMMER O/A CONDITIONS AND TEST ALL AIR SYSTEMS AND AIR HANDLING UNITS AS OUTLINED ABOVE.

IF PROBLEMS OCCUR DURING THE ONE YEAR WARRANTY PERIOD, THE CONTRACTOR SHALL RETURN TO THE PROJECT SITE AS NECESSARY AND MAKE ANY ADJUSTMENTS AND/OR CHANGES REQUIRED TO CORRECT THE PROBLEMS AT NO ADDITIONAL EXPENSE.

ACCESS DOORS

- FURNISH AND INSTALL ACCESS DOORS (18"x18" MINIMUM) IN ALL DRYWALL CEILINGS FOR ACCESS TO EQUIPMENT.

PIPING

- ALL PIPE SIZES SHOWN ARE AMERICAN STANDARD NOMINAL PIPE DIMENSIONS.
- ALL CONDENSATE DRAIN AND VENT PIPING SHALL BE SCHEDULE 40 PVC.
- REFRIGERANT PIPING SHALL BE ASTM B 280 TYPE L HARD-DRAWN STRAIGHT LENGTHS OF COPPER TUBING, MADE IN THE USA. TUBING SHALL BE FACTORY CLEANED, READY FOR INSTALLATION, AND HAVE END CAPS TO PROTECT CLEANLINESS OF PIPE INTERIORS PRIOR TO SHIPPING.
- FITTINGS SHALL BE WROUGHT COPPER ANSI B16.22 STREAMLINED PATTERNS. JOINING MATERIALS SHALL BE ANS A5.8 CLASSIFICATION BAG-1 SILVER BRAZING SILVER BRAZE REFRIGERANT PIPING WITH FLOW OF DRY NITROGEN DURING BRAZING. SOLDER SHALL BE 108 SILVER "30" - 100" OR EQUAL, CHANGE FILTER - DRYER CORES AFTER 30 DAYS OF OPERATION.
- PIPING SHOWN IS THE GENERAL LOCATION OF THE ROUTING AND IS NOT INTENDED TO INDICATE EXACT LOCATION HOWEVER IT SHOULD BE INSTALLED AS CLOSE AS POSSIBLE TO THE DRAWINGS. THE CONTRACTOR SHALL PROVIDE ALL ADDITIONAL OFFSETS AND FITTINGS REQUIRED FOR PROPER INSTALLATION AND TO MAINTAIN CLEARANCES. THE CONTRACTOR SHALL VERIFY STRUCTURAL, MECHANICAL, ELECTRICAL INSTALLATIONS AND OBSTRUCTIONS AND ROUTE PIPING TO AVOID ANY INTERFERENCES.
- SLEEVE AND FIRE STOP ALL PENETRATIONS OF RATED WALLS, CEILING, FLOORS, ETC., INCLUDING ROOF, FLASH AND COUNTERFLASH ROOF PENETRATIONS.
- ALL CONCEALED PIPING IN CHASE AREAS SHALL BE SUPPORTED WITH A PIPING SUPPORT SYSTEM, SUMMER POSITIX, STANOX AND CHANNEL OR APPROVED EQUAL.
- INSULATE REFRIGERANT SUCTION LINE WITH 3/4" ARMAFLEX INSULATION FULL LENGTH. DO NOT SPLIT DURING INSULATION BUTT JOINTS WITH ARMAFLEX SEALANT, AND APPLY ARMAFLEX PRESERVATIVE ON ALL INSULATION ABOVE THE ROOF LINE. WHERE REFRIGERANT OR CONDENSATE PIPING RUNS THROUGH RETURN AIR PLENUMS, INSULATION SHALL BE FIRE - RATED ARMAFLEX "AP" 25/50.

SUBMITTALS

- ALL EQUIPMENT AND MATERIALS SHALL CONFORM TO THE LATEST EDITIONS OF THE FOLLOWING:
 - ANSI
 - AGA
 - UL
 - ALL LOCAL CITY CODES
- APPROVALS OF EQUIPMENT OR SYSTEMS OTHER THAN THAT SHOWN MUST BE WITHIN TEN (10) WORKING DAYS PRIOR TO BID DATE.
- CONTRACTOR SHALL SUPPLY, TO THE ARCHITECT, MINIMUM 6 SETS OF SUBMITTALS ON THE FOLLOWING ITEMS:
 - NFPA AHI, AC-1, AC-2 AND FANS
 - PIPE, VALVES AND FITTINGS
 - INSULATION MATERIALS
 - GRILLES, DIFFUSERS AND LOUVERS
 - AUTOMATIC TEMPERATURE CONTROLS
 - TEMPERATURE CONTROL DIAGRAMS

NOTE: THESE ITEMS MUST BE APPROVED BY THE ARCHITECT PRIOR TO CONTRACTOR ORDERING.

- INSULATE ALL REFRIGERANT PIPING WITH 3/4" ARMAFLEX PIPE INSULATION, WRAP ALL EXPOSED PIPING (EXPOSED TO VIEW) WITH PVC JACKET.

WARRANTY

- ALL WORK AND MATERIALS SHALL BE WARRANTED (PARTS AND LABOR) FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY THE OWNER. ALL COMPRESSORS SHALL BE WARRANTED FOR 5 YEARS.

PROJECT CLOSE OUT

THE CONTRACTOR SHALL SUPPLY A COMPLETE SET OF "AS-BUILT" DRAWINGS AT COMPLETION OF THE PROJECT AND PRIOR TO ACCEPTANCE BY OWNER. THESE DRAWINGS SHALL BE CONTRACT DOCUMENTS MODIFIED FOR ACTUAL FIELD INSTALLATION.

DUCTWORK

- ALL SUPPLY, RETURN, EXHAUST AIR AND FRESH AIR DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEETMETAL METAL, IN ACCORDANCE WITH SMACNA LOW PRESSURE DUCT CONSTRUCTION STANDARDS. ALL DUCTWORK SHALL BE COMPLETELY COMPLETED SEALED. FINISH ALL DUCTWORK WITH 2-1/4", 1# DENSITY EXTERNAL INSULATION HAVING VAPOR RETARDING JACKET (FSK TYPE). ALL JACKET, INSULATION SHALL COMPLY WITH UL 181 AND MUST HAVE FLAME SPREAD RATING OF 25 OR LESS AND A SMOKE DEVELOPED RATING NO HIGHER THAN 50.
- FINISH ALL DUCTWORK WITH GLASS FABRIC AT ALL JOINTS AND SEAMS. COMPLETELY SEAL ALL SYSTEMS. GLASS FABRIC SHALL BE A MINIMUM 8 OUNCES PER SQ. YD.
- FLEXIBLE DUCTS SHALL COMPLY WITH UL 181 AND SHALL NOT EXCEED EIGHT FEET IN LENGTH. REMAINING BRANCH LINE SHALL BE GALVANIZED METAL WITH 2-1/4", 1# DENSITY FIBERGLASS EXTERNAL INSULATION. ALL INSULATION SHALL BE FOIL BACKING (FSK TYPE).
- ANY FLEXIBLE DUCTWORK INSPECTED AND FOUND TO EXCEED THE SPECIFIED LENGTH SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

NOTES

- PIPE & DUCT ROUTING SHOWN IS SCHEMATIC AND IS NOT INTENDED TO INDICATE EXACT LOCATION. CONTRACTOR SHALL PROVIDE ALL ADDITIONAL OFFSETS AND FITTINGS REQUIRED FOR PROPER INSTALLATION AND TO MAINTAIN CLEARANCES. CONTRACTOR SHALL VERIFY STRUCTURAL, MECHANICAL, ELECTRICAL INSTALLATIONS AND OBSTRUCTIONS OF ALL DESCRIPTION AND ROUTE PIPING & DUCTS TO AVOID ANY AND ALL INTERFERENCES.
- ALL MECHANICAL WORK AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL CODES AND REGULATIONS AND AUTHORITIES HAVING JURISDICTION (AHJ) OVER THIS PROJECT. COMPLY WITH ALL LOCAL AHJ REQUIREMENTS.
- SLEEVE AND FIRE STOP ALL PENETRATIONS OF RATED WALLS, CEILING, FLOORS, ETC., INCLUDING ROOF, FLASH AND COUNTERFLASH ROOF PENETRATIONS.
- THERMOSTAT/SENSOR WIRING TO BE RUN INSIDE WALLS OR COLLINGS OR IN ATTIC SPACE. THE USE OF WREATHED OR EXTERNAL RACEWAY SHALL BE PROHIBITED. THERMOSTATS SHALL BE INSTALLED 48" ABOVE FINISHED FLOOR.
- ANY CONDENSATION ON SURFACES OF HVAC EQUIPMENT, DUCTWORK OR PIPING WILL BE CORRECTED BY THE CONTRACTOR. WRAP WITH INSULATING TAPE OR EXTERNAL INSULATION HAVING A VAPOR BARRIER. WRAP IS IN ADDITION TO INSULATION SPECIFIED HEREINAFTER.
- UNITS REQUIRING SMOKE DETECTORS (SEE DRAWINGS) SHALL BE IONIZATION TYPE AS APPROVED BY THE ENGINEER. COORDINATE THE INSTALLATION WITH THE ELECTRICAL CONTRACTOR. CONTRACTOR SHALL VERIFY THAT DETECTORS ARE COMPATIBLE WITH FIRE ALARM SYSTEMS. IF UNIT SELECTION IS NOT COMPATIBLE THE CONTRACTOR SHALL PURCHASE AND INSTALL PROPER UNIT TO INSURE LIFE SAFETY PROTECTION. SMOKE DETECTORS SHALL AUTOMATICALLY SOUND ALARMS AND TURN-OFF FANS, FURNISH AND INSTALL CEILING ANNUNCIATOR LIGHTS FOR ALL SMOKE DETECTORS.
- ALL AHU'S SHALL HAVE EXTERNAL FILTER RACKS ACCESSIBLE FROM THE SIDE OR FRONT OF THE UNIT WITH THROUGHWAY TYPE AIR FILTERS, MINIMUM 2" THICK PLEATED TYPE EQUAL TO FABR 30/20. FILTER RACKS REQUIRING THE REMOVAL OF AHU PANELS ARE NOT ACCEPTABLE.
- THE CONTRACTOR SHALL SIZE ALL REFRIGERANT PIPING IN ACCORDANCE WITH MANUFACTURER'S SIZING RECOMMENDATIONS FOR DISTANCE SHOWN. IF DISTANCE EXCEEDS RECOMMENDED LENGTH AND UP SIZING IS NOT PRACTICAL, THEN THE CONTRACTOR SHALL RECOMMEND REDUCTION OF CONDENSING UNIT. SUBMIT SHOP DRAWINGS FOR APPROVAL. ALL PIPING SHALL BE INSTALLED AT NO ADDITIONAL COST.
- PAINT DUCT VISIBLE BEHIND AIR DEVICES FLAT BLACK.

SYMBOLS

RECTANGULAR DUCT, INSIDE DIMENSIONS, WIDTH BY HEIGHT	
FIRE DAMPER, 2 HOUR RATING	
RECTANGULAR DUCT ELBOW WITH VANES, DOUBLE WIDTH	
ROUND SHEET METAL DUCT TAKEOFF WITH SPIN-IN FITTING AND MANUAL DAMPER	
SUPPLY AIR DUCT END SECTION	
RETURN, EXHAUST OR O/A DUCT END SECTION	
SUPPLY AIR DIFFUSER PLAN VIEW	
RETURN AIR GRILLE PLAN VIEW	
EXHAUST FAN (CEILING/CABINET TYPE)	
SIDEWALL SUPPLY AIR REGISTER WITH DAMPER	
RECTANGULAR DUCT, RISE IN ELEVATION	
RECTANGULAR DUCT, DROP IN ELEVATION	
EQUIPMENT, WITH FLEXIBLE CONNECTION	
RECTANGULAR DUCT, TRANSITION	
DUCT ACCESS DOOR	
DOOR GRILLE	
EXHAUST/SUPPLY AIR FAN (WALL MOUNTED TYPE)	
24" RD. DRYWELL FOR CONDENSATE DRAIN	
MOTORIZED DAMPER (24 VOLT LOW LEAKAGE)	
ROOF MOUNTED EXHAUST FAN	
ROOF MOUNTED MAKE-UP OR SUPPLY FAN	
ROOM TEMPERATURE SENSOR (MOUNTED 54" AFF) CONNECT TO CENTRAL CONTROL PANEL	
ROOM THERMOSTAT (MOUNTED 48" AFF)	
SMOKE DETECTOR ANNUNCIATOR LIGHT (MOUNTED 48" AFF)	
FILTER STATUS (MOUNT 48" AFF)	
SMOKE DETECTOR (IN-LINE TO ALARM SYSTEM)	
CONDENSATE DRAIN LINE	
REFRIGERANT LINES	
GAS LINES	
SUCTION LINES (REFRIGERANT)	
LIQUID LINES (REFRIGERANT)	
PIPE TURN-UP	
PIPE TURNDOWN	
LONG RADIUS ELBOW	
FLEXIBLE PIPE CONNECTOR	
SIGHT GLASS MOISTURE INDICATOR	

ABBREVIATIONS

S/A	SUPPLY AIR
R/A	RETURN AIR
E/A	EXHAUST AIR
O/A	OUTSIDE AIR
HPU	HEAT PUMP UNIT
AHU	AIR HANDLING UNIT
CD-1	CEILING DIFFUSERS
SR-1	SIDEWALL REGISTERS
RR-1	RETURN AIR REGISTERS
DG-1	DOOR GRILLES
Ø	ROUND DUCT SIZE, INSIDE DIAMETER, INCHES
AFF	ABOVE FINISHED FLOOR
AUTO	AUTOMATIC MODE OF OPERATION
AVAIL	AVAILABLE
BOT	BOTTOM
BP	BYPASS
BTU/H	BRITISH THERMAL UNITS PER HOUR
CD	CONDENSATE (AIR CONDITIONING)
CFM	CUBIC FEET PER MINUTE (STANDARD AIR)
CL	CENTRLINE
CLO	COLD
CLO	CLOSED
CNN	CONNECTION
CP	CONTROL PANEL
CRU	CONDENSATE RETURN UNIT
D	DRAIN
DA	DIRECT ACTING
DB	DRY BULB
DD	DOOR GRILLE
DIR	DIRECT
DISCH	DISCHARGE
EAT	ENTERING AIR TEMPERATURE
EL	ELEVATION
ELB	ELBOW
ELEC	ELECTRIC
ELEC	ELECTRIC
EXT	EXTERNAL
OF	DEGREES FAHRENHEIT
FL	FLOOR
FLEX	FLEXIBLE CONNECTION
FP	FIRE PROTECTION
FT	FEET
PFM	FEET PER MINUTE
FPS	FEET PER SECOND
GPM	GALLONS PER MINUTE
HT	HEIGHT
HP	HORSEPOWER, NOMINAL MOTOR SIZE
HR	HOURS
HZ	HERTZ (ELECTRICAL)
IN	INCHES
KW	KILOWATT
LT	LENGTH
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LBS/HR	POUNDS PER HOUR
LH	LATENT HEAT
LQ	LIQUID
MAX	MAXIMUM
MBH	THOUSANDS, BTU/HR
MIN	MINIMUM
MOD	MODULATING
MXA	MIXED AIR
NC	NEUTRAL (ELECTRICAL)
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
OA	OUTSIDE AIR
PH	PHASE (ELECTRICAL)
PS	PRESSURE SWITCH
PRS	PRESSURE REDUCING STATION
PRV	PRESSURE REDUCING VALVE
PSIG	POUNDS PER SQUARE INCH, GAUGE
RA	RETURN AIR
RPM	REVOLUTIONS PER MINUTE
SH	SENSIBLE HEAT
SHR	SENSIBLE HEAT RATIO (SH/TH)
SP	STATIC PRESSURE
SR	SUPPLY REGISTER
ST/ST	STAINLESS STEEL
TEMP	TEMPERATURE, DEGREES F
ΔT	DIFFERENTIAL TEMPERATURE
TDH	TOTAL DYNAMIC HEAD
TH	TOTAL HEAT (SH+LH)
TYP	TYPICAL
WTD	WIDTH
W/	WITH
WB	WET BULB
WG	WATER GAUGE

DESIGN CONDITIONS O/A EXHAUST AIR CALCULATIONS

OUTDOOR (SUMMER) = 83.0° F DB / 77° F WB
OUTDOOR (WINTER) = 28.0° F DB
INDOOR (SUMMER) = 75.0° F DB / 50K RH
INDOOR (WINTER) = 70.0° F DB
OUTSIDE AIR REQUIREMENTS:
OFFICE AREA:
8 PEOPLE x 15 CFM/PERSON = 120 CFM TOTAL



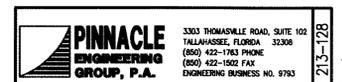
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12 July 2013
DATE

REVISED

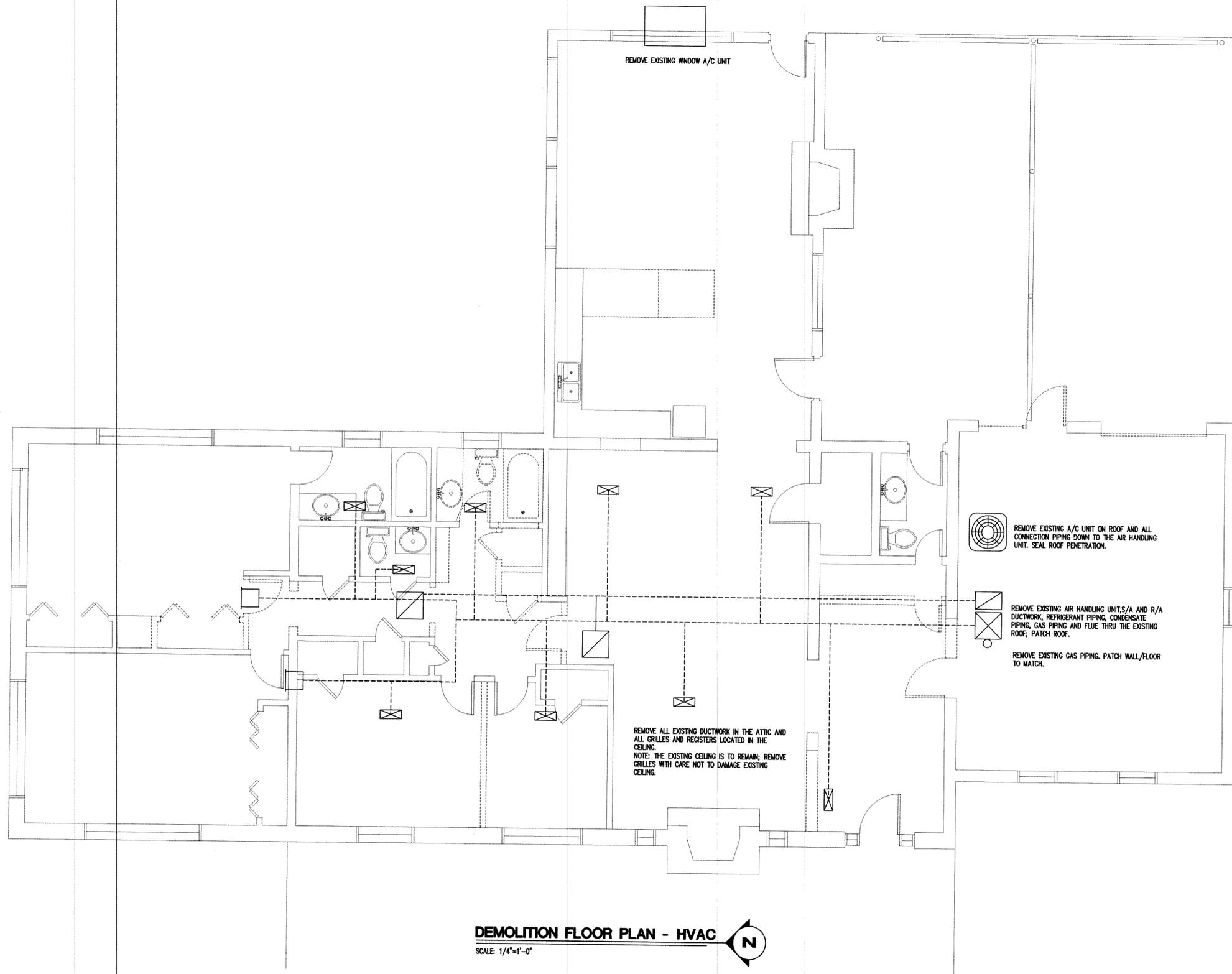
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Leon County
Fred George Greenway
Community Center
Renovation
Tallahassee Florida



MO.1

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14050
PROJECT CODE

12 July 2013
DATE

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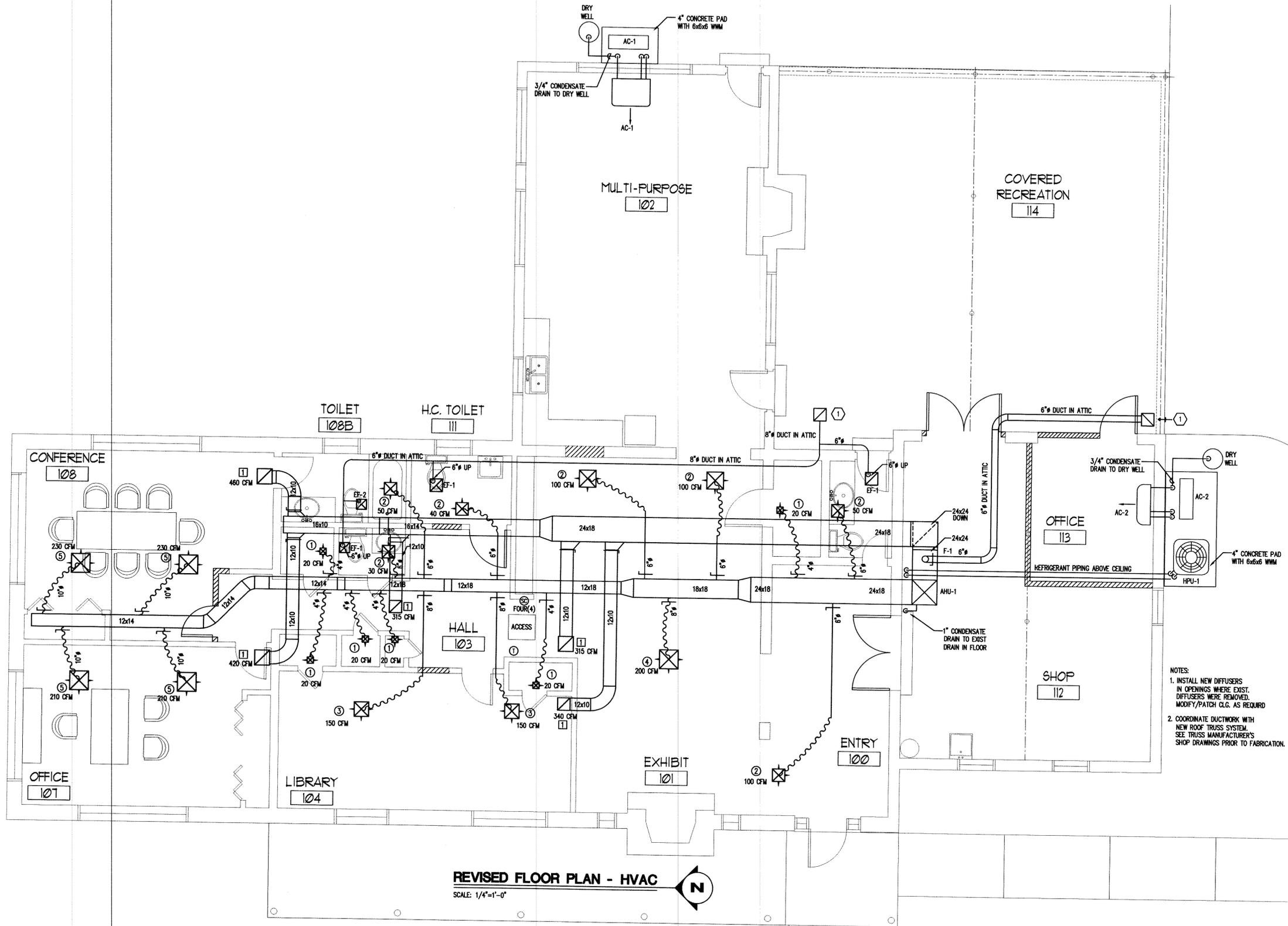
Leon County
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- NOTES:
1. INSTALL NEW DIFFUSERS IN OPENINGS WHERE EXIST. DIFFUSERS WERE REMOVED. MODIFY/PATCH CLG. AS REQUIRED.
 2. COORDINATE DUCTWORK WITH NEW ROOF TRUSS SYSTEM. SEE TRUSS MANUFACTURER'S SHOP DRAWINGS PRIOR TO FABRICATION.



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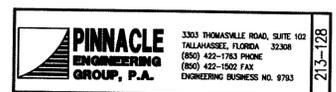
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Leon County
Fred George Greenway
Community Center
Renovation
Tallahassee Florida

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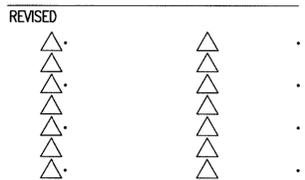
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HEAT PUMP SCHEDULE				AIR HANDLING UNIT SCHEDULE - VARIABLE SPEED				AHU FILTER SCHEDULE											
SYMBOL		HP-1		SYMBOL		AHU-1		MARK	TYPE	C.F.M. RANGE	NOMINAL SIZE	REMARKS							
DESIGN MANUFACTURER		CARRIER		DESIGN MANUFACTURER		CARRIER		F-1	PLEATED	1500-2000	24"x24"	FARR 30/30 OR EQUAL WITH FILTER BOX							
MODEL NUMBER		25HBB3060		MODEL NUMBER		FE4ANB006													
SIZE		5 TONS		ARRANGEMENT		VERTICAL													
REFRIGERATION CAPACITY	BTU/HR.	60,000		MAXIMUM AIR FLOW RATE	CFM	1990													
REFRIGERATION CIRCUITS	NUMBER REQUIRED	1		O/A FLOW RATE	CFM	120													
COMPRESSOR	NUMBER	1		EXTERNAL STATIC PRESSURE	INCHES W.G.	0.5													
SPEED	RPM	3450		COIL ENTERING AIR	DB/WB	77.0/64.0													
REFRIGERANT		PURON		COIL LEAVING AIR	DB/WB	55.0/53.0													
LOCKED ROTOR AMPS		134		DRIVE		DIRECT													
RUN LOAD AMPS		26.3		SPEED	RPM	1520													
CONDENSER FAN				MOTOR	HP	3/4													
NUMBER		1		ELECTRICAL CHARACTERISTICS	V/PH/HZ	208-230/1													
DISCHARGE		VERTICAL		SINGLE POINT ELECTRICAL CONNECTION	MCA	54													
DRIVE		DIRECT		COOLING COIL CAPACITY, SH/TH	MBTUH	53.8/70.0													
FULL LOAD AMPS (TOTAL)		1.2		SUCTION TEMPERATURE	DEG. F.	45													
ELECTRICAL CHARACTERISTICS	VOLTS-PHASE	208-240/1		ROWS/F.P.I.		3/12													
ELECTRICAL SINGLE POINT CONNECTION		MCA		REFRIGERANT LINES, NO. OF CIRCUITS	ACR L COPPER	1													
OPERATING WEIGHT (APPROX.)	POUNDS	243		SUCTION O.D. (1 RUN)	INCHES	1-1/8													
ENERGY EFFICIENCY RATIO	SEER	13		LIQUID O.D. (1 RUN)	INCHES	3/8													
TOTAL WATTS		3,120		HEATING COIL - ELECTRICAL RESISTANCE															
SOUND RATING	ARI	8.8		CAPACITY REQUIRED	BTU/HR	32,400													
HEATING CAPACITY (ARI) 47 F	BTU/HR	31,960		KW		10													
HEATING COP		3.5		ELECTRICAL CHARACTERISTICS	VOLTS-PHASE	208-240/1													
REFRIGERANT LINES	ACR L COPPER			UNIT WEIGHT		250													
LIQUID O.D.	INCHES	3/8		NOTES:															
SUCTION O.D.	INCHES	1-1/8		• REFRIGERANT PIPING SIZED BY HPU MANUFACTURER FOR LIFT AND MAXIMUM LENGTH OF PIPE															
ACCESSORIES: PROVIDE OUTDOOR THERMOSTATS FOR STAGING FOR ELECTRIC HEATERS PROVIDE INDOOR THERMOSTAT CARRIER PROGRAMMABLE THERMIDISTAT																			
FAN SCHEDULE												REGISTER & GRILLE SCHEDULE							
SYMBOL	FAN TYPE	LOCATION	ELECTRICAL V/PH/HZ	CFM	S.P.	MOTOR	DRIVE ARRANG.	MAX. RPM	MAX. SONES	OUTLET SIZE	DESCRIPTION	MARK	TYPE	SERVICE	C.F.M. RANGE	NOMINAL SIZE	REMARKS		
EF-1	CEILING	TOILET	120/1/60	50	.25"	50 W	DIRECT	1200	1.0	6"ø	COOK GC-122 SEE NOTES 1, 2, 3, 4, 5	1	CEILING	RETURN AIR	50-500	12"x12"	EGGCRATE, OFF WHITE FINISH, SURFACE MOUNTED BORDER		
EF-2	CEILING	TOILET	120/1/60	100	.25"	76 W	DIRECT	1200	2.0	6"ø	COOK GC-144 SEE NOTES 1, 2, 3, 4, 5								
NOTES: ① PROVIDE SOLID STATE SPEED CONTROLLER. LOCATE ACCESSABLE. ④ PROVIDE BACKDRAFT DAMPER ② PROVIDE DISCONNECT SWITCH ON THE SIDE OF THE FAN HOUSING. ⑤ PROVIDE LIGHT SWITCH WITH 10 MINUTE TIME DELAY. COORDINATE WITH ELECTRICAL. ③ PROVIDE METAL PERFORATED GRILLE, OFF WHITE, ENAMEL FINISH.												O/A EXHAUST GRILLE SCHEDULE							
												MARK	TYPE	C.F.M. RANGE	FREE AREA	NOMINAL SIZE	REMARKS		
												①	ALUMINUM	50-150	.33 SQ.FT.	12"x12"	METAL-AIRE MODEL RH WITH FRAME AND INSECT SCREEN REQUIRED.		
MINI-SPLIT SCHEDULE												DIFFUSER SCHEDULE							
CONDENSING UNIT	---	AC-1	AC-2									MARK	CFM	NECK SIZE	PANEL SIZE	BLOW	BORDER	REMARKS	
CAPACITY	BTU/HR	24,000	9,000									①	0-30	4"ø	6"x6"	3-WAY	FRAME	METAL-AIRE LS3D DRYWALL CEILING, OFF-WHITE	
NO. OF COMPRESSORS	---	1	1									②	30-100	6"ø	12"x12"	3-WAY	FRAME	METAL-AIRE LS3D DRYWALL CEILING, OFF-WHITE	
REFRIGERANT	---	R-410A	R-410A									③	101-150	8"ø	14"x14"	3-WAY	FRAME	METAL-AIRE LS3D DRYWALL CEILING, OFF-WHITE	
COMPRESSOR RLA/LRA	AMPS	10.1/16	7.8/9.2									④	151-200	8"ø	16"x16"	3-WAY	FRAME	METAL-AIRE LS3D DRYWALL CEILING, OFF-WHITE	
NO. OF CONDENSER FANS	---	1	1									⑤	201-250	10"ø	18"x18"	3-WAY	FRAME	METAL-AIRE LS3D WOOD CEILING, OFF-WHITE	
ELECTRICAL	V-PH-HZ	208-230/1/60	208-230/1/60																
MCA/MOCP	AMPS	18/30	12/15																
SEER	---	13.4	17																
WEIGHT	LBS.	165	75																
MANUFACTURER	---	DAIKIN	DAIKIN																
MODEL NO.	---	PUZ-A24NHA	MUZ-A09NA																
AIR HANDLING UNIT	---	AC-1	AC-1																
LOCATION	---	WALL MOUNTED	WALL MOUNTED																
COOLING CAPACITY	MBTUH	24,000	9,000																
SENSIBLE CAPACITY	MBTUH	-	-																
SUPPLY AIR	CFM (MAX)	570	275																
OUTSIDE AIR	CFM	0	0																
ENTERING AIR (DB/WB)	T/F	75/62	75/62																
LEAVING AIR (DB/WB)	T/F	54/53	54/53																
ELECTRICAL	V-PH-HZ	208-230/1/60	208-230/1/60																
FILTER TYPE	---	THROW AWAY	THROW AWAY																
WEIGHT	LBS.	37	23																
MANUFACTURER	---	DAIKIN	DAIKIN																
MODEL NO.	---	PCA-A24GA	MSZ-A09NA																
GENERAL NOTES (1) COORDINATE FINAL LOCATION OF NEW OUTDOOR UNITS WITH ARCHITECT. (6) PROVIDE LOW-AMBIENT CONTROL TO OF. (2) COORDINATE FINAL WALL MOUNTED INDOOR UNIT LOCATION WITH ARCHITECT. (3) PROVIDE PROGRAMMABLE WALL MOUNTED CONTROLLER. COORDINATE WITH OWNER FOR LOCATION IN SPACE. (7) PROVIDE WITH AUTOMATIC RESET AFTER POWER LOSS. (4) PROVIDE WITH MITSUBISHI ELECTRIC A-CONTROL SYSTEM FOR SINGLE POINT POWER CONNECTION. (8) PROVIDE WITH MINIMUM 60 SECOND HAZARD. PROVIDE CONDENSATE PUMP AS REQUIRED. (5) ROUTE CONDENSATE FULL SIZE TO OUTSIDE DRY WELL. MINIMIZE TRIP HAZARD. PROVIDE CONDENSATE PUMP AS REQUIRED.												HANGER SIZES FOR RECTANGULAR DUCT							
												MAX. SIZE	HANGER	HORIZONTAL SUPPORT ANGLE	MAXIMUM SPACING				
												UP TO 34"	1"x18 GAGE STRAP	NONE REQUIRED	8'-0"				
												35" TO 46"	1/4" ROUND ROD	1-1/2"x1-1/2"x1/8"	8'-0"				
												47" TO 108"	3/8" ROUND ROD	1-1/2"x1-1/2"x1/8"	8'-0"				

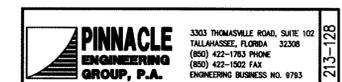


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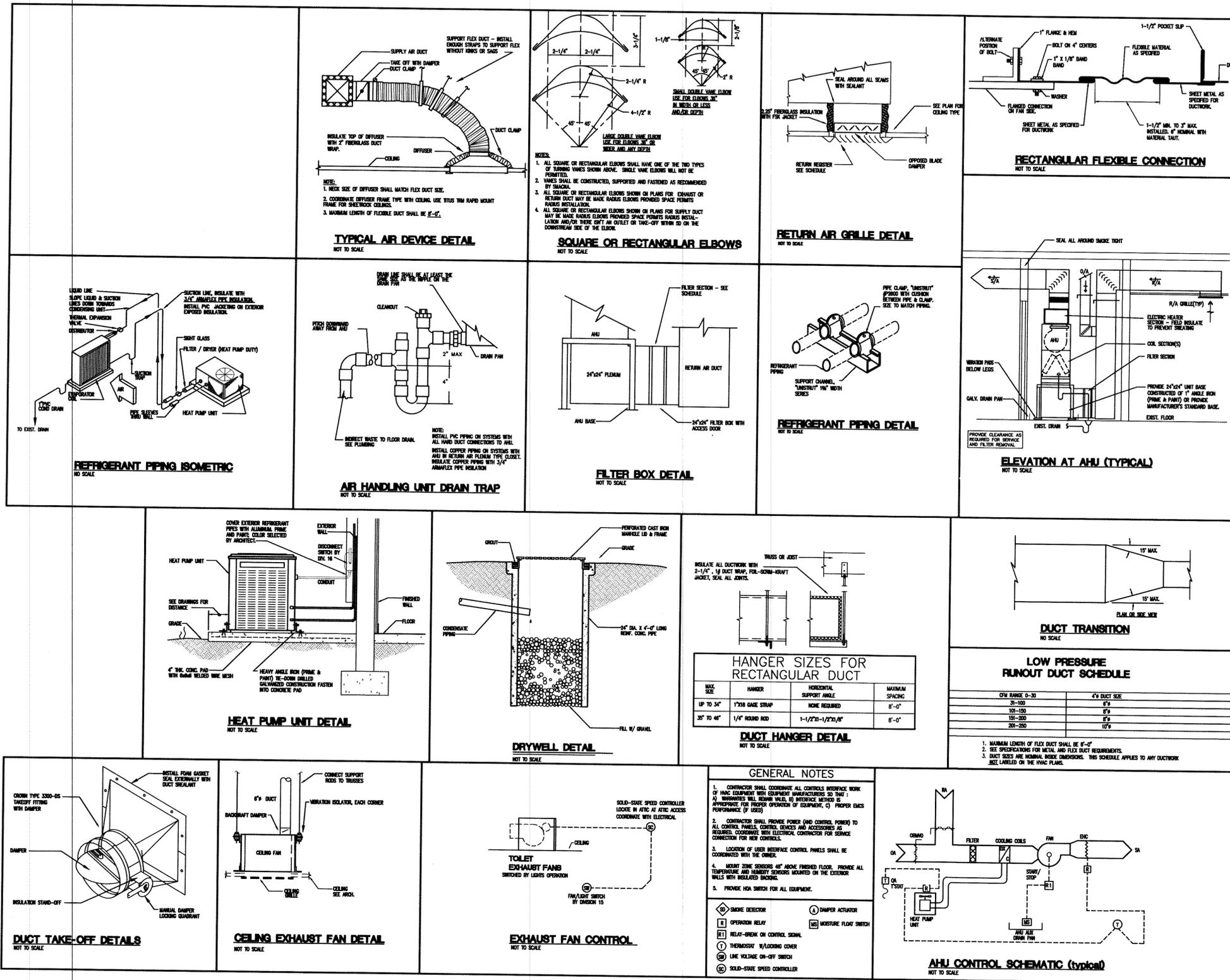


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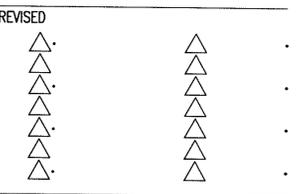
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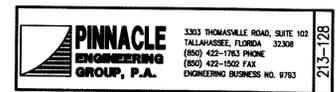
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12 July 2013 DATE



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Tallahassee Florida

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PLUMBING SPECIFICATIONS

GENERAL

1. ALL WORK SHALL COMPLY WITH THE ARCHITECTURAL GENERAL CONDITIONS. SEE ARCHITECTURAL SPECIFICATIONS.
2. ALL PLUMBING WORK SHALL BE INSTALLED BY A MASTER PLUMBER CERTIFIED IN THE STATE OF FLORIDA, DEPARTMENT OF PROFESSIONAL REGULATION.
3. THE WORK SHALL COMPLY WITH ALL APPLICABLE CODES, REGULATIONS, ORDINANCES, ETC., WHETHER FEDERAL, STATE OR LOCAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ANY PERMITS AND PAYING ANY FEES REQUIRED IN ORDER TO PROCEED WITH THE WORK.
4. WORK CONSISTS OF FURNISHING ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, TRANSPORTATION, SCAFFOLDING, SERVICES, SUPERVISION, PLANT, AND PERFORMING ALL OPERATIONS REQUIRED TO PROPERLY COMPLETE ALL WORK IN ACCORDANCE WITH THESE SPECIFICATIONS AND AS INDICATED ON THE APPLICABLE DRAWINGS, SUBJECT TO TERMS AND CONDITIONS OF THE CONTRACT. THE CONTRACTOR IS REQUIRED TO HAVE A QUALIFIED AND EXPERIENCED GENERAL SUPERINTENDENT AND EXPERIENCED SUPERINTENDENT FOR EACH TRADE INVOLVED ON THE JOB WHEN ANY WORK IS IN PROGRESS. ALL WORK SHALL CONFORM WITH ALL LOCAL AND STATE ORDINANCES OR REGULATIONS GOVERNING THE INSTALLATION OF SUCH EQUIPMENT. IF WORK, AS LAID OUT, INDICATED OR SPECIFIED IS RECOGNIZED TO BE CONTRARY TO OR CONFLICTING WITH LOCAL ORDINANCES OR REGULATIONS, THE CONTRACTOR SHALL REPORT SAME TO THE ARCHITECT BEFORE SUBMITTING A BID. THE ARCHITECT WILL THEN ISSUE INSTRUCTIONS AS TO PROCEDURE. IF CONTRACTOR FAILS TO NOTIFY THE ARCHITECT OF CONFLICTS OR OMISSIONS NOTED ABOVE, ALL CHANGES REQUIRED TO COMPLY WITH ORDINANCES AND REGULATIONS SHALL BE MADE WITHOUT ADDITIONAL EXPENSE TO THE OWNER.

5. THE LATEST EDITIONS OF THE ESTABLISHED STANDARDS OF THE FOLLOWING ORGANIZATIONS, AND INDIVIDUAL STANDARDS NAMED SHALL BE FOLLOWED THE SAME AS IF THEY WERE FULLY WRITTEN HEREIN AND CONSTITUTE A PART OF THE SPECIFICATION REQUIREMENTS EXCEPT WHERE OTHERWISE SPECIFIED:

1. FLORIDA BUILDING CODE, 2010 WITH LATEST REVISIONS
2. FLORIDA PLUMBING CODE, 2010 WITH LATEST REVISIONS
3. FLORIDA MECHANICAL CODE, 2010 WITH LATEST REVISIONS
4. NFPA 70, NATIONAL ELECTRICAL CODE
5. NFPA 101, LIFE SAFETY CODE
6. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS
7. LEON COUNTY, FLORIDA

6. THE SUBMISSION OF A BID OR PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT THE CONTRACTOR HAS FAMILIARIZED HIMSELF/HERSELF WITH THE PLANS, SPECIFICATIONS AND BUILDING SITE. CLAIMS MADE SUBSEQUENT TO THE PROPOSAL FOR MATERIALS AND/OR LABOR DUE TO DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED UNLESS DIFFICULTIES COULD NOT HAVE BEEN FORESEEN EVEN THOUGH PROPER EXAMINATION HAD BEEN MADE.

7. ALL FEES, PERMITS, TAPS, LICENSE, INSURANCE, AND BONDS SHALL BE PAID BY THIS CONTRACTOR FOR ALL RELATED WORK.
8. ALL WORK AND MATERIALS SHALL BE WARRANTED (PARTS AND LABOR) FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY THE OWNER.

PIPING

1. ALL PIPE SIZES SHOWN ARE AMERICAN STANDARD NOMINAL PIPE DIMENSIONS.
2. ALL SANITARY WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC DWV PIPING.
3. DOMESTIC HOT WATER AND COLD WATER PIPING SHALL BE CPVC.
4. ROUTE PIPING ON THE STRUCTURE, HIGH AS POSSIBLE, AS SHOWN ON THE DRAWINGS. SEAL WITH APPROVED SEALANT THROUGHOUT STRUCTURE.
5. PIPE ROUTING SHOWN IS SCHEMATIC AND IS NOT INTENDED TO INDICATE EXACT LOCATION OF ALL PIPING AND EQUIPMENT. THE CONTRACTOR SHALL PROVIDE ALL ADDITIONAL OFFSETS AND FITTINGS REQUIRED FOR PROPER INSTALLATION AND TO MAINTAIN CLEARANCES. THE CONTRACTOR SHALL VERIFY STRUCTURAL MECHANICAL, ELECTRICAL INSTALLATIONS AND OBSTRUCTIONS AND ROUTE PIPING TO AVOID ANY INTERFERENCES.
6. INSTALL ALL PIPING CONCEALED ABOVE CEILINGS, WITHIN WALLS OR IN CHASES, EXCEPT AS SPECIFICALLY NOTED. PATCH ALL EXISTING SURFACES DISTURBED TO MATCH ADJACENT SURFACES. WORK TO BE DONE ONLY BY WORKMAN SKILLED IN THE TRADE INVOLVED AND TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
7. PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL WHEN REQUIRED BY CODE AN AIR GAP SERVING INDIVIDUAL FIXTURES, DEVICES, APPLIANCES OR APPARATUS.
8. PLUMBING CONTRACTOR TO PROVIDE ALL SANITARY WASTE, VENT AND, DOMESTIC WATER PIPING ROUGH-IN AND MAKE FINAL CONNECTIONS (INCLUDING SUPPLYING AND INSTALLING ALL NECESSARY RELATED STOPS, VALVES, TRAPS, ETC., AND MAKING READY FOR USE) TO ALL EQUIPMENT WHETHER FURNISHED BY THIS CONTRACTOR OR FURNISHED BY OTHERS.
8. INSTALL EXPOSED PIPING AT RIGHT ANGLES OR PARALLEL TO BUILDING WALLS. DIAGONAL RUNS ARE NOT PERMITTED UNLESS EXPRESSLY INDICATED.
9. INSTALL PIPING FREE OF SAGS OR BENDS AND WITH AMPLE SPACE BETWEEN PIPING TO PERMIT PROPER INSULATION APPLICATIONS.
10. CONCEAL ALL PIPE INSTALLATIONS IN WALLS, PIPE CHASES, UTILITY SPACES, ABOVE CEILINGS, BELOW GRADE OR FLOORS, UNLESS INDICATED TO BE EXPOSED TO VIEW.

TESTING

ALL FINISHED FIELD INSTALLED PRESSURE PIPING SYSTEMS SHALL RECEIVE A HYDROSTATIC TEST OF 1 1/2 TIMES THE OPERATING PRESSURE FOR A PERIOD OF NOT LESS THAN EIGHT (8) HOURS WITH NO LEAKAGE EVIDENT DURING THE TEST. MISCELLANEOUS PIPING SYSTEMS MAY BE TESTED AT A LESSER PRESSURE IF SO DIRECTED BY THE ENGINEER AND APPROVED BY THE LOCAL BUILDING INSPECTION DEPARTMENT. THE ENGINEER SHALL BE NOTIFIED IN ADVANCE OF ANY TESTING SO THAT HIS REPRESENTATIVE MAY OBSERVE ANY TEST AS DEEMED NECESSARY. ALL PIPING SYSTEMS, EQUIPMENT, SPECIALTIES, ETC., SHALL ALSO BE TESTED UNDER ACTUAL OPERATING CONDITIONS AFTER COMPLETION OF CONSTRUCTION AND ANY MALFUNCTIONS, LEAKAGE OR WARPAGE SHALL BE CORRECTED. DURING THIS TEST, THE PUMPS, TRAPS, VALVES, STRAINERS, SPECIALTIES AND ALL ACCESSORIES SHALL BE GIVEN A THOROUGH INSPECTION AND ALL ITEMS SHALL BE LEFT IN FIRST CLASS WORKING ORDER. THE DURATION OF THE TEST SHALL BE FOR NOT LESS THAN EIGHT (8) HOURS OR UNTIL THE COMPLETE INSTALLATION IS OPERATING IN A SATISFACTORY MANNER AS APPROVED BY THE ARCHITECT AND THE OWNER. THE CONTRACTOR SHALL TEST ALL SYSTEMS FOR THEIR INTENDED FUNCTION.

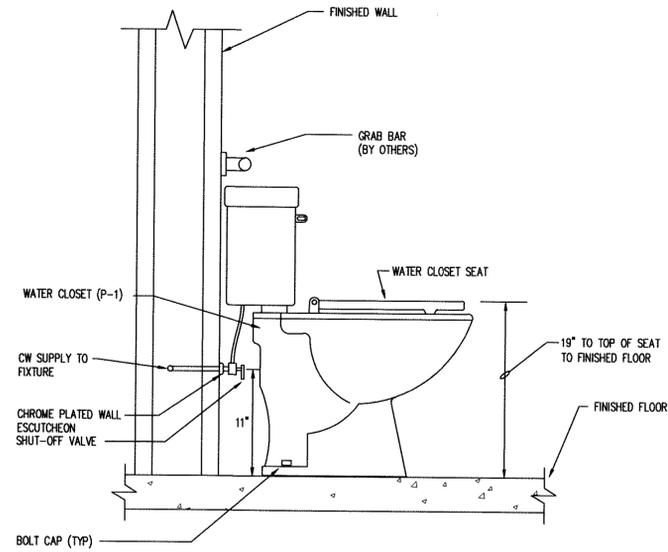
SUBMITTALS

1. ALL EQUIPMENT AND MATERIALS SHALL CONFORM TO THE LATEST EDITIONS OF THE FOLLOWING:
 - (A) ANSI
 - (B) AGA
 - (C) UL
 - (D) ALL LOCAL CITY CODES
2. APPROVALS OF EQUIPMENT OR SYSTEMS OTHER THAN THAT SHOWN MUST BE WITHIN TEN (10) WORKING DAYS PRIOR TO BID DATE.
3. CONTRACTOR SHALL SUPPLY, TO THE ARCHITECT, 6 SETS OF SUBMITTALS ON THE FOLLOWING ITEMS:
 - A. PLUMBING FIXTURES
 - B. PIPE AND FITTINGS
 - C. INSULATION MATERIALS
 - D. PLUMBING SPECIALTIES

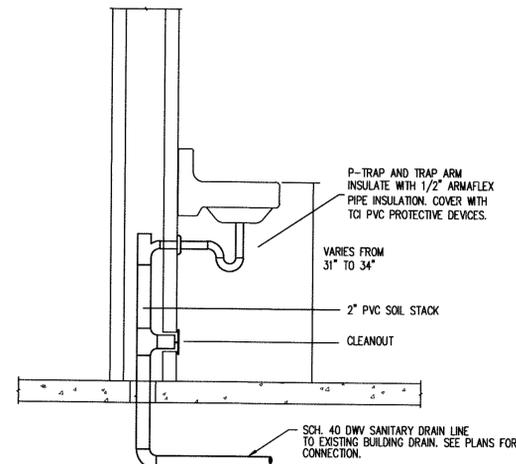
NOTE: THESE ITEMS MUST BE APPROVED BY THE ENGINEER PRIOR TO CONTRACTOR ORDERING.

PROJECT CLOSE OUT

CONTRACTOR SHALL SUPPLY A COMPLETE SET OF REPRODUCIBLE "AS-BUILT" DRAWINGS AT COMPLETION OF THE PROJECT AND PRIOR TO ACCEPTANCE BY OWNER. THESE DRAWINGS SHALL BE CONTRACT DOCUMENTS MODIFIED FOR ACTUAL FIELD INSTALLATION.



HANDICAPPED ACCESSIBLE WATER CLOSET DETAIL
N.T.S.

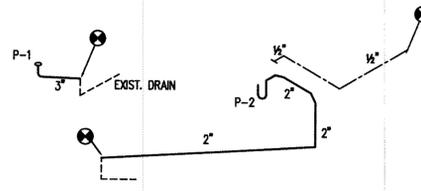


HANDICAPPED ACCESSIBLE WALL-HUNG LAVATORY DETAIL
N.T.S.

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE TYPE	RUN-OUT SIZES			DESCRIPTION
		WASTE	CW	HW	
P-1	WATER CLOSET ADA COMPLIANCE	3"	1"	-	KOHLER K-3427 (ADA) VITREOUS CHINA WATER CLOSET, ELONGATED BOWL, LEFT HAND TRIP LEVER, TANK COVER LOCKS, WHITE CHINA FINISH, SIPHON JET ACTION, BEMIS 1955C SOLID PLASTIC SEAT, BOLT CAPS, BRASS CRAFT 1/2" x 3/8" ANGLE STOP (CHROME), 3/8" FLEXIBLE RISER TUBE (CHROME), WAX SEAL.
P-2	LAVATORY	1-1/4"	1/2"	1/2"	KOHLER K-2861 WALL MOUNTED LAVATORY, 4" FAUCET CENTERS, DELTA D501 CP SINGLE LEVER CENTERSET MIXING FAUCET WITH AERATOR, PROFLOW CAST BRASS STRAINER, KEENEY 17 GAUGE CAST BRASS P-TRAP, WITH CLEANOUT, 1/2" x 3/8" ANGLE STOPS AND SUPPLY RISERS (CHROME), INSULATED DRAIN AND SUPPLYS WITH WHITE PVC JACKET, SMITH WALL CARRIER.

1. ALL FAUCETS, DRAINS, TRIM, AND FIXTURE ACCESSORIES SHALL HAVE A POLISHED CHROME FINISH UNLESS OTHERWISE INDICATED.
2. ALL FIXTURES SHALL BE COMPLETE WITH FAUCETS, DRAINS, P-TRAPS, STOP VALVES, SUPPLY LINES
3. ALL FIXTURES SHALL BE WHITE UNLESS OTHERWISE INDICATED.
4. ALL TOILETS SHALL BE 12" ROUGH-IN.
5. CONTRACTOR SHALL PROVIDE ALL PIPING, VALVES, FITTINGS, ETC. AS NECESSARY FOR COMPLETE AND OPERATIONAL USE OF ALL FIXTURES.
6. ALL PLUMBING PIPES SHALL BE INSULATED WITH 3/4" ARMAFLEX PIPE INSULATION.
7. ALL ADA LAVATORY TRIM SHALL BE INSULATED WITH 1/2" ARMAFLEX PIPE INSULATION AND WRAPPED WITH PRE-FORMED PVC JACKET KITS.



PLUMBING RISER DIAGRAM
N.T.S.



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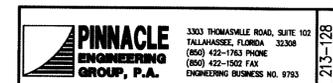
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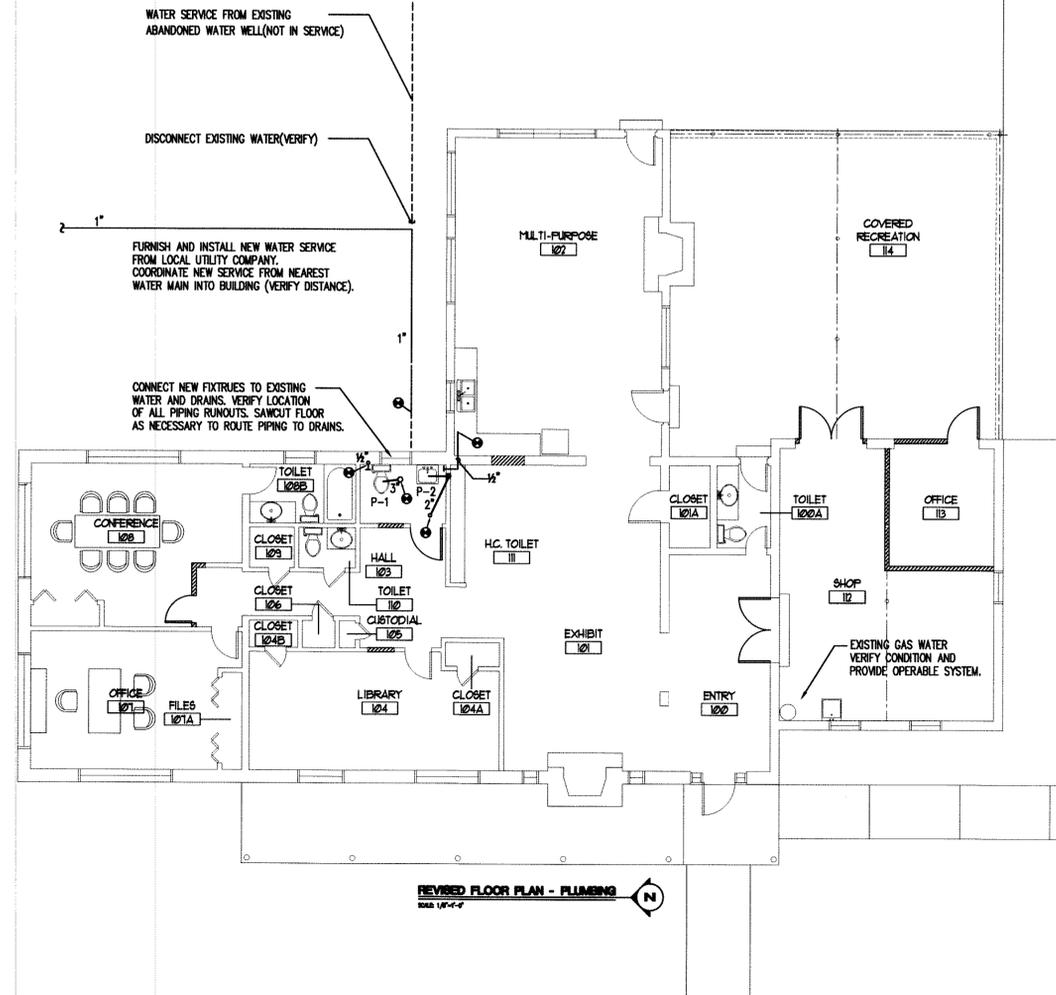
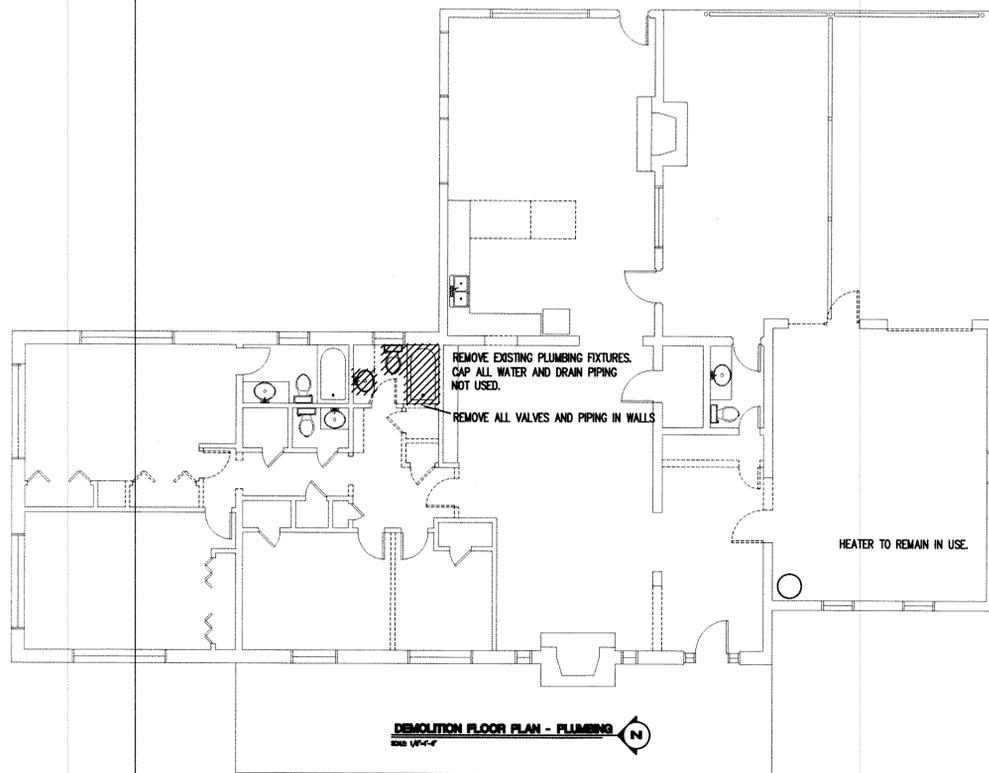
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LEGENDS, & GENERAL NOTES

NOTES

GENERAL NOTES

- GENERAL NOTES APPLY TO ALL ELECTRICAL DRAWINGS. SHEET NOTES APPLY ONLY ON THE DRAWING ON WHICH THEY APPEAR. FLAG NOTES REFER TO LIKE NUMBERED ITEMS ON THE SHEET WHICH THEY APPEAR.
- THESE DRAWINGS MUST BE WORKED IN CONJUNCTION WITH ALL APPROVED SHOP DRAWINGS TO INSURE EXACT AND PROPER LOCATION OF ALL DEVICES AND EQUIPMENT.
- ALL EQUIPMENT SHALL BE UL LABELED AND LISTED.
- LEGEND NOTES APPLY TO ALL SHEETS.
- WHEN AN ITEM IS INDICATED FOR REMOVAL, THIS SHALL INCLUDE ALL ASSOCIATED CONDUITS/CONDUCTORS BACK TO POINT OF ORIGIN, BACK TO NEXT DEVICE REMAINING. MAINTAIN CIRCUIT CONTINUITY OF ALL REMAINING ITEMS.
- HVAC NETWORKING/CONTROL CONDUCTORS AND ASSOCIATED CONDUIT ARE TO BE PROVIDED BY THE MECHANICAL CONTRACTOR.
- SURPLUS MATERIAL/DEVICES REMOVED DURING DEMOLITION THAT IS NOT USED FOR NEW WORK SHALL BE TURNED-OVER TO THE OWNER OR DISPOSE OF IN AN ENVIRONMENTALLY SAFE MANNER.

SYMBOL LEGEND

	CONDUIT CONCEALED IN WALL OR ABOVE CEILING (¾" MINIMUM) UNON PROVIDE #12 CONDUCTORS AS REQUIRED BY NUMBER OF CIRCUITS SHOWN. INCLUDE SEPARATE #12 EQUIPMENT GROUND AND #12 NEUTRAL. NO CIRCUITS WITH SHARED NEUTRALS. EACH CIRCUIT SHALL INCLUDE DEDICATED NEUTRAL.
	CONDUIT RUN IN SLAB OR UNDERGROUND (¾" MINIMUM) UNON PROVIDE #12 CONDUCTORS AS REQUIRED BY NUMBER OF CIRCUITS SHOWN. INCLUDE SEPARATE #12 EQUIPMENT GROUND AND #12 NEUTRAL BRANCH CIRCUITS SHALL EACH HAVE DEDICATED NEUTRAL.
	CEILING OR WALL MOUNTED JUNCTION BOX. UON SIZE AS REQUIRED BY N.E.C.
	WEATHERPROOF
	GROUND FAULT INTERRUPTING
	GROUND
	CONDUIT/CONDUCTORS BELOW GRADE
	CONDUIT/CONDUCTORS HOMERUN TO PANEL
	POINT OF CONNECTION
	SINGLE POLE WALL MOUNTED SWITCH 20A MOUNT AT 48" AFF
	MANUAL MOTOR STARTER SWITCH 20A, MOUNT NEXT TO SERVED UNIT.
	3-WAY SWITCH, MOUNT AT 48" AFF
	4-WAY SWITCH, MOUNT AT 48" AFF
	DIMMER SWITCH
	WORK NOTE DESIGNATOR (#1 IN THIS EXAMPLE)
	WALL-MOUNTED EMERGENCY POWER-OFF PUSH-BUTTON MOUNT 48" AFF PROVIDE LAMINATED NAMEPLATE
	CEILING OR WALL MOUNTED JUNCTION BOX. UON SIZE AS REQUIRED BY N.E.C.
	FLOOR MOUNTED JUNCTION BOX. UON SIZE AS REQUIRED BY N.E.C.
	MOTOR, NUMERAL INDICATES HP.
	SINGLE PUSHBUTTON. UON CENTERLINE MOUNTED 48" AFF
	480/277V, 3Ø, 4W PANELBOARD.
	208/120V, 3Ø, 4W PANELBOARD.
	480/277V, 3Ø, 4W PANELBOARD.
	MISCELLANEOUS PANELBOARD. AS INDICATED.
	DRY TYPE TRANSFORMER. AS INDICATED.
	HEAVY DUTY SAFETY SWITCH, NON FUSIBLE. UON MOUNT TOP OF ENCLOSURE 66" AFF
	HEAVY DUTY FUSIBLE SAFETY SWITCH. UON MOUNT TOP OF ENCLOSURE 66" AFF
	HEAVY DUTY FUSIBLE COMBINATION STARTER/DISCONNECT SAFETY SWITCH. UON MOUNT TOP OF ENCLOSURE 66" AFF
	MAGNETIC MOTOR STARTER. UON MOUNT TOP OF ENCLOSURE 66" AFF
	ENCLOSED CIRCUIT BREAKER
	VARIABLE FREQUENCY DRIVE. PROVIDED BY MECHANICAL, INSTALLED BY ELECTRICAL
	SINGLE RECEPTACLE. UON CENTERLINE MOUNTED 18" AFF
	DUPLEX RECEPTACLE. UON CENTERLINE MOUNTED 18" AFF
	DUPLEX RECEPTACLE. UON CENTERLINE MOUNTED 42" AFF
	DOUBLE DUPLEX RECEPTACLE OUTLET. UON CENTERLINE MOUNTED 18" AFF
	DOUBLE DUPLEX RECEPTACLE OUTLET. UON CENTERLINE MOUNTED 42" AFF
	IN FLOOR OUTLET BOX. LEGRAND RFBRE-OQ, SLAB ON GRADE MODEL (CAST IRON) WITH HINGED COVER (OR APPROVED EQUAL).
	FIRE ALARM PULL STATION, MOUNT AT 48" AFF
	FIRE ALARM AUDIO/VISUAL DEVICE, MOUNT AT 80" AFF
	FIRE ALARM VISUAL DEVICE, MOUNT AT 80" AFF
	FIRE ALARM SMOKE DETECTOR, DUCT TYPE
	FIRE ALARM HEAT DETECTOR, 190'
	CEILING MOUNTED SMOKE DETECTOR
	REMOTE ALARM INDICATOR WITH TEST SWITCH. FLUSH CEILING MOUNTED. (WALL MOUNTED, CENTER LINE 48" AFF. UNLESS NOTED OTHERWISE)
	FLOURESCENT STRIP LIGHT FIXTURE
	WALL MOUNTED LIGHT FIXTURE
	2'x4' RECESSED TROFFER ON EMERGENCY BALLAST/INVERTER
	2'x4' RECESSED TROFFER
	RECESSED DOWN LIGHT
	LIGHTING OCCUPANCY SENSOR - WALL MOUNTED
	WALL MOUNTED CLOCK
	DATA OUTLET BOX. PROVIDE (2) CAT. 5E UTP 4 PAIR PLENUM RATED CABLES TO EAST WALL OF CLOSET 101A. PROVIDE FACEPLATE WITH (2) CAT. 5E JACKS.
	WAP
	WIRELESS ACCESS POINT

LEGEND NOTES

- THE LEGEND INDICATES STANDARD SYMBOLS AND ALL SYMBOLS MAY NOT BE USED ON THESE PLANS. HOWEVER, WHERE THE SYMBOL APPEARS ON THE PLANS IT SHALL BE PROVIDED AND INSTALLED ACCORDING TO PLANS AND SPECIFICATIONS.
- THE LINETYPE LEGEND INDICATES THE ACTION REQUIRED FOR OBJECTS AND SYMBOLS ON THE DRAWINGS BASED UPON THE LINETYPE USED TO ILLUSTRATE THE OBJECT OR SYMBOL.

LINE TYPE LEGEND	
	EXISTING TO BE REMOVED
	EXISTING TO REMAIN
	NEW TO BE PROVIDED

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14050
PROJECT CODE

12 July 2013
DATE

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 Renovation
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ELECTRICAL SPECIFICATIONS

NOTES

SECTION 16000 PART 1 - GENERAL

1.1 SUMMARY

A. PROVIDE ALL LABOR AND MATERIAL NECESSARY TO COMPLETE THE DEMOLITION/CONSTRUCTION OF THE ELECTRICAL SYSTEM.

1.2 WORK INCLUDED

A. THE WORK REQUIRED UNDER THIS DIVISION SHALL INCLUDE ALL MATERIALS, LABOR AND AUXILIARIES REQUIRED TO INSTALL A COMPLETE AND PROPERLY OPERATING ELECTRICAL SYSTEM. THE ELECTRICAL SYSTEM WORK REQUIRED UNDER THIS DIVISION SHALL BE AS SPECIFIED HEREIN AND AS SHOWN ON PLANS.

B. DRAWINGS FOR THE WORK ARE DIAGRAMMATIC, INTENDED TO CONVEY THE EXTENT, GENERAL ARRANGEMENT, AND LOCATIONS OF THE WORK. BECAUSE OF THE SCALE OF THE DRAWINGS, CERTAIN BASIC ITEMS SUCH AS CONDUIT FITTINGS, ACCESS PANELS, SLEEVES, PULL AND JUNCTION BOXES MAY NOT BE SHOWN. INCLUDE SUCH ITEMS WHERE REQUIRED BY CODE, OTHER SECTIONS, OR FOR PROPER INSTALLATION OF THE WORK.

C. EQUIPMENT SPECIFICATIONS MAY NOT DEAL INDIVIDUALLY WITH EVERY PART, CONTROL, OR DEVICE, WHICH MAY BE REQUIRED TO PRODUCE THE EQUIPMENT PERFORMANCE SPECIFIED OR AS REQUIRED TO MEET THE EQUIPMENT WARRANTIES. INCLUDE SUCH ITEMS AS REQUIRED, WHETHER OR NOT SPECIFICALLY INDICATED.

D. COORDINATE WITH ALL TRADES IN SUBMITTAL OF SHOP DRAWINGS. SHOP DRAWINGS SHALL DETAIL SPACE CONDITIONS TO THE SATISFACTION OF ALL CONCERNED TRADES, SUBJECT TO FINAL REVIEW OF THE ENGINEER. IF ELECTRICAL WORK IS INSTALLED, BEFORE COORDINATING WITH OTHER TRADES, WHICH INTERFERES WITH WORK OF OTHER TRADES, MAKE ALL NECESSARY CHANGES TO CORRECT THE CONDITION AT NO ADDITIONAL COST TO THE OWNER.

E. THIS CONTRACTOR SHALL PROVIDE TEMPORARY LIGHTING IN ALL ROOMS, STAIRS AND AREAS AND RECEPTACLES FOR CONSTRUCTION. PROVIDE ALL REQUIRED WIRING AND BRANCH CIRCUITS.

1.3 CODES AND STANDARDS

- INSTALL ALL WORK IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE FOLLOWING:
 - (SBC) FAC 98-3.047 STATE BUILDING CODE ADOPTED
 - (NFPA) NFPA 72, 2007 NATIONAL FIRE ALARM CODE
 - (NEC) NFPA 70, 2008 NATIONAL ELECTRICAL CODE
 - (NFPA) NFPA 101, 2009 LIFE SAFETY CODE
 - FAC 4A-3.012 STANDARD OF THE NATIONAL FIRE PROTECTION ASSOCIATION ADOPTED.
 - (FBC) FLORIDA BUILDING CODE, 2010

B. STANDARDS OF THE FOLLOWING ASSOCIATIONS OR ORGANIZATIONS SHALL BE FOLLOWED AND APPLIED WHERE APPLICABLE.

- (UL) UNDERWRITERS LABORATORIES
- (IEEE) INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
- (NEMA) NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
- (FM) FACTORY MUTUAL

C. IT IS THE INTENT OF THE CONTRACT DOCUMENTS TO COMPLY WITH THE APPLICABLE CODES, ORDINANCES, REGULATIONS, AND STANDARDS. WHERE DISCREPANCIES OCCUR, NOTIFY THE ENGINEER, IN WRITING, AND ASK FOR INTERPRETATION. CORRECT ANY INSTALLATION THAT FAILS TO COMPLY WITH THE APPLICABLE CODES AND STANDARDS AT NO ADDITIONAL COST TO THE OWNER.

1.4 PERMITS AND INSPECTIONS

A. OBTAIN AND MAKE ALL PAYMENT FOR PERMITS AND INSPECTIONS REQUIRED. AT THE COMPLETION OF THE PROJECT AND BEFORE FINAL ACCEPTANCE OF THE ELECTRICAL WORK, PROVIDE EVIDENCE OF FINAL INSPECTION AND APPROVAL BY THE AUTHORITIES HAVING JURISDICTION.

1.5 ACTIVE SERVICES

A. PROTECT EXISTING ACTIVE SERVICES, WATER, GAS, SEWER, ELECTRIC, WHEN ENCOUNTERED, AGAINST DAMAGE. DO NOT PREVENT OR DISTURB OPERATION OF ACTIVE SERVICES WHICH ARE TO REMAIN. IF ACTIVE SERVICES ARE ENCOUNTERED WHICH REQUIRE RELOCATION, MAKE REQUEST TO AUTHORITIES WITH JURISDICTION FOR DETERMINATION OF PROCEDURES. WHERE EXISTING SERVICES ARE TO BE ABANDONED, TERMINATE THEM IN CONFORMANCE WITH REQUIREMENTS OF THE UTILITY OF MUNICIPALITY HAVING JURISDICTION.

1.6 TESTS AND DEMONSTRATIONS

- TEST ALL SYSTEMS AND PLACE IN PROPER WORKING ORDER PRIOR TO DEMONSTRATING SYSTEMS TO THE OWNER.
- PERFORM SUCH TESTS AS REQUIRED BY AUTHORITIES HAVING JURISDICTION OVER THE SITE.
- PRIOR TO ACCEPTANCE OF THE WORK, DEMONSTRATE TO THE OWNER ALL FEATURES AND FUNCTIONS OF ALL SYSTEMS, AND INSTRUCT THE OWNER IN THE PROPER OPERATION, CARE AND MAINTENANCE OF THE SYSTEMS AND EQUIPMENT.
- ARRANGE WITH THE OWNER THE DATES AND TIMES FOR EACH DEMONSTRATION.

1.7 IDENTIFICATION

A. PROVIDE ENGRAVED LAMINATED NAMEPLATES ON THE FOLLOWING, LISTING THE DESIGNATED INFORMATION:

- SAFETY SWITCHES WITH EQUIPMENT SERVED IDENTIFICATION
- NAMEPLATES SHALL BE WHITE LETTERS ON BLACK BACKGROUND FOR NORMAL SYSTEM
- POWER WIRING SHALL HAVE CONDUCTORS COLOR BANDED IN EACH JUNCTION AND PULL BOX.
- CONTROL CIRCUIT WIRING SHALL BE IDENTIFIED WITH WIRE NUMBERS AT EACH TERMINATION.
- PANELBOARDS

1.8 DELIVERY AND STORAGE

A. HANDLE, STORE AND PROTECT EQUIPMENT AND MATERIALS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND WITH THE REQUIREMENTS OF NFPA B, APPENDIX I, TITLED "EQUIPMENT STORAGE AND MAINTENANCE DURING CONSTRUCTION". REPLACE DAMAGED OR DEFECTIVE ITEMS WITH NEW ITEMS.

1.9 ELECTRICAL CONNECTIONS TO EQUIPMENT

- PROVIDE POWER CIRCUIT AND CONTROL WIRING FOR ALL ELECTRICAL EQUIPMENT AND CONNECT COMPLETE UNLESS OTHERWISE INDICATED IN THE CONTRACT DOCUMENTS.
- ALL CONNECTION SHALL BE TIGHTENED TO THE TORQUE VALUES RECOMMENDED BY THAT DEVICE MANUFACTURERS INSTRUCTIONS. IF THESE VALUES ARE NOT LISTED, TIGHTEN TO POUND-INCH OR POUND-FOOT VALUES RECOMMENDED BY ILL. STANDARD 488B, A SUMMARY OF WHICH MAY BE FOUND IN SECTION 110-14 OF THE NATIONAL ELECTRIC CODE HANDBOOK.

1.10 SUBMITTALS

A. SUBMIT DATA CONSISTING OF SHOP DRAWINGS AND/OR CATALOGUE CUTS COMPLETE WITH TECHNICAL DATA NECESSARY TO EVALUATE THE MATERIAL OR EQUIPMENT. INCLUDE DIMENSIONS, WIRING DIAGRAMS, PERFORMANCE CURVES, RATINGS, CONTROL SEQUENCE, AND OTHER DESCRIPTIVE DATA NECESSARY TO DESCRIBE FULLY THE ITEM PROPOSED AND ITS OPERATING CHARACTERISTICS.

B. DO NOT PURCHASE OR INSTALL EQUIPMENT REQUIRING SUBMITTAL UNTIL THE REVIEW PROCESS IS COMPLETE.

1.11 ACCEPTABLE PRODUCTS

A. USE ONLY NEW PRODUCTS MADE BY COMPANIES REGULARLY ENGAGED IN THE MANUFACTURE OF THE TYPE EQUIPMENT SPECIFIED. USE THE PRODUCTS OF A SINGLE MANUFACTURER FOR SIMILAR TYPE EQUIPMENT, I.E. SAFETY SWITCHES, PANELBOARDS, CONDUIT, CONDUCTORS AND CIRCUIT BREAKERS.

1.12 RECORD DRAWINGS

AT THE JOB SITE, MAINTAIN A SET OF PRINTS ON WHICH ARE RECORDED ALL FORMAL FIELD CHANGES AND OTHER PORTIONS OF THE WORK THAT VARY SIGNIFICANTLY FROM THE CONTRACT DOCUMENTS. INDICATE ACTUAL ROUTING OF ELECTRICAL FEEDERS.

B. DELIVER RECORD DRAWINGS TO THE OWNER IN THE QUANTITY AND MANNER REQUESTED.

C. FINAL ACCEPTANCE AND PAYMENT FOR THE PROJECT WILL NOT BE GIVEN UNTIL THESE DRAWINGS HAVE BEEN RECEIVED.

1.13 GUARANTEES

ALL MATERIALS AND LABOR SHALL BE UNCONDITIONALLY WARRANTED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF SUBSTANTIAL COMPLETION. SPECIFIC MANUFACTURER'S EQUIPMENT WARRANTIES IN EXCESS OF ONE (1) YEAR SHALL TAKE PRECEDENCE. MANUFACTURER'S WARRANTIES SHALL BE PROVIDED WHENEVER AVAILABLE AND POSSIBLE. ALL EQUIPMENT SHALL BE NEW AND UNUSED FROM THE FACTORY AND SHALL NOT BE MODIFIED OR REBUILT.

PART 2 - PRODUCTS

2.1 - OUTLET BOXES:

GENERAL USE BOXES: GALVANIZED, PRESSED STEEL UNITS OF PROPER DEPTH AND GAUGE REQUIRED BY THE OUTLET LOCATION. EQUIP WITH PLASTER RING OR COVER AS NECESSARY.

ACCEPTABLE MANUFACTURERS: RACO OR STEEL CITY.

SPECIAL BOXES: GALVANIZED SHEET METAL OR CAST CONSTRUCTION AND SIZED IN ACCORDANCE WITH THE NEC BASED ON THE NUMBER OF CONDUCTORS AND SPLICES TO BE HOUSED. FOR SPECIAL SYSTEMS, USE BOXES AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER. BOXES AT EXTERIOR LOCATIONS SHALL BE WET LOCATION TYPE. IN USE DEVICE COVERS SHALL BE DIE CAST ALUMINUM.

POWER AND LIGHTING JUNCTION BOXES SHALL BE IDENTIFIED WITH PANEL AND CIRCUIT NUMBERS WITH BLACK PERMANENT MARKER.

2.2 CONDUIT

RIGID METALLIC CONDUIT (RMC): HOT DIPPED GALVANIZED STEEL CONFORMING TO FS WW-C581E AND UL 6.

ELECTRICAL METALLIC TUBING (EMT/THINWALL): GALVANIZED STEEL CONFORMING TO ASA C80.3, FS WW-C583 AND UL 797.

INTERMEDIATE METAL CONDUIT (IMC): HOT DIPPED GALVANIZED STEEL CONFORMING TO FS WW-C581E AND UL 1242.

FLEXIBLE METAL CONDUIT : SPIRAL WOUND, SQUARE- LOCKED, HOT-DIPPED GALVANIZED STEEL CONFORMING TO UL 1. (WATER-PROOF "SEAL-TITE" OR "LIQUID-TITE" IN OUTDOOR AND WET LOCATIONS).

2.3 CONDUIT FITTINGS

RMC: THREADED, MALLEABLE IRON, HOT-DIPPED GALVANIZED OR CADMIUM PLATED. FITTINGS USED WITH COATED RMC SHALL HAVE A SIMILAR COATING.

EMT: COMPRESSION TYPE, MADE OF CADMIUM PLATED STEEL

FLEXIBLE METAL: TWO SCREW, DOUBLE CLAMP MALLEABLE IRON, HOT-DIPPED GALVANIZED OR CADMIUM PLATED.

2.4 WIRE AND CABLE - 600 VOLT

ALL CONDUCTORS SHALL BE COPPER.

INSULATION: HEAT AND MOISTURE RESISTANT WITH A TEMPERATURE RATING OF AT LEAST 75 DEGREES (THIN, THIN) AND A 600 VOLT RATING UNLESS OTHERWISE INDICATED.

USE STRANDED CONDUCTOR ON ALL WIRING #8 AWG AND LARGER. ALL OTHER WIRING SHALL BE SOLID. COLOR CODE WIRING AS FOLLOWS:

120/240 VOLT, 1 PHASE, 3 WIRE

NEUTRAL - WHITE
PHASE A - BLACK
PHASE C - BLUE
GROUND -- GREEN

ALL OTHER COLORS SHALL BE RESERVED FOR AND ONLY USED FOR SWITCH LEGS, CONTROL CIRCUITS, COMMUNICATIONS WIRING, FIRE ALARM, ETC. USE DIFFERENT COLOR FOR DIFFERENT CIRCUIT TYPES.

2.5 GROUNDING

A. PROVIDE AN EQUIPMENT CONDUCTOR IN ALL RACEWAYS SIZED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE (NEC).

B. BOND ALL BRANCH CIRCUIT DEVICES TO THE BUILDING GROUND SYSTEM BY MEANS OF THE GROUNDING CONDUCTOR INSTALLED IN EACH RACEWAY.

2.6 ANCHORS AND FASTENERS

A. USE ANCHORS AND FASTENERS OF A TYPE DESIGNED AND INTENDED FOR USE IN THE BASE MATERIAL TO WHICH THE MATERIAL OR SUPPORT IS TO BE ATTACHED, AND CAPABLE OF SUPPORTING THE INTENDED LOAD AND WITHSTANDING ANY ASSOCIATED STRESSES AND VIBRATIONS. DO NOT USE WOODEN PLUGS FOR FASTENING.

2.7 CIRCUIT BREAKERS:

THIS CONTRACTOR SHALL PROVIDE MOLDED CASE, BOLT-IN TYPE, THERMAL-MAGNETIC CIRCUIT BREAKERS WITH A.L.C. RATING TO MATCH PANEL. PROVIDE HACR RATED CIRCUIT BREAKERS AS INDICATED. CIRCUIT BREAKERS SHALL HAVE THE FRAME SIZE, TRIP RATING, AND NUMBER OF POLES AS INDICATED. CIRCUIT BREAKER 100 AMPS AND LARGER SHALL BE ELECTRONIC FULLY ADJUSTABLE TYPE WITH LS SETTINGS.

2.8 CONTACTORS:

CONTACTORS SHALL BE VOLTAGE AND AMPACITY RATED FOR LOADS CONTROLLED. PROVIDE 1P, 2P, OR 3 POLE CONTACTORS AS REQUIRED FOR LOAD SERVED. PROVIDE 120V OR 24V CONTROL COILS AS REQUIRED FOR LOCATION. CONTACTORS SHALL BE HEAVY DUTY TYPE. PROVIDE A NEMA 1 ENCLOSURE FOR EACH CONTACTOR ACCEPTABLE MANUFACTURERS ARE:

SIEMENS
SQ. D.
G.E.

2.9 RECEPTACLES, SWITCHES, DIMMERS & PLATES:

RECEPTACLES, SWITCHES, & COVER PLATES SHALL BE VOLTAGE AND AMPACITY APPLICABLE TO LOAD AND CIRCUIT. PROVIDE BRUSHED STAINLESS STEEL COVER PLATES AND WHITE COLORED DEVICES UNLESS OTHERWISE DIRECTED. RECEPTACLES AND SWITCHES SHALL BE 20 AMP RATED. PROVIDE WET LOCATION BOXES AND COVERS FOR ALL EXTERIOR RECEPTACLES. ACCEPTABLE MANUFACTURERS ARE:

LEVITON
HUBBELL
PASS-SEWORE

2.10 SAFETY SWITCHES:

ALL SAFETY SWITCHES SHALL BE HEAVY DUTY TYPE, FUSED OR NON-FUSED AS INDICATED ON THE PLANS. ENCLOSURE TYPE (NEMA 1 OR NEMA 3R) AS INDICATED ON PLANS. ACCEPTABLE MANUFACTURERS:

SQUARE D
SIEMENS
G.E.

2.11 PANELBOARDS:

PANELBOARDS SHALL BE U.L. LISTED WITH NEMA 1 HINGED LOCKABLE DOORS FOR INDOOR APPLICATIONS. COPPER BUSSESS WITH A MINIMUM A.L.C. RATING OF 10K, (EXACT A.L.C. REQUIRED MINIMUM RATING IS SHOWN ON PANEL SCHEDULES). ALL CIRCUIT BREAKERS SHALL BE THE BOLT-ON TYPE. PROVIDE IDENTIFICATION NAMEPLATES FOR EACH PANEL & SWITCHBOARD. NAMEPLATES SHALL BE PERMANENTLY ATTACHED ENGRAVED PHENOLIC, WHITE LETTERS ON BLACK BACKGROUND. DESIGN SELECTION IS SQ. D. NQ00. OTHER ACCEPTABLE MANUFACTURERS ARE:

SIEMENS
SQ. D.
G.E.

PART 3 - EXECUTION

3.1 GENERAL REQUIREMENTS

3. USE GOOD WORKMANSHIP IN THE INSTALLATION OF ALL ELECTRICAL MATERIALS AND EQUIPMENT. INSTALL EQUIPMENT LEVEL, PLUMB, AND TRUE WITH THE STRUCTURE AND OTHER EQUIPMENT. FIRMLY SECURE ALL MATERIALS IN PLACE, ADEQUATELY SUPPORTED, AND PERMANENT. MATERIALS EMBEDDED IN CONCRETE OR MASONRY OR OTHERWISE PART OF THE STRUCTURE ARE CONSIDERED SUFFICIENTLY SUPPORTED. USE HARDWARE AND ACCESSORY FITTINGS OF A TYPE DESIGNED, INTENDED AND APPROPRIATE FOR THE USE AND TO COMPLEMENT THE ITEMS WITH WHICH THEY ARE USED.

3.2 MINIMUM SIZES

- CONDUIT: 3/4" FOR RUNS TO SWITCH, & 3/4" FOR ALL OTHER INSTALLATIONS UNLESS OTHERWISE NOTED.
- WIRE: #12 AWG MINIMUM FOR ALL POWER AND LIGHTING CIRCUITS. SIGNAL AND CONTROL WIRING MAY BE SMALLER, AS INDICATED.

3.3 LOCATIONS AND DIMENSIONS

1. LOCATE ALL DEVICES AND EQUIPMENT WHERE SHOWN ON THE DRAWINGS. ALL DIMENSIONS SHOWN ON THE DRAWINGS ARE FROM FINISHED FLOOR TO THE CENTER OF THE DEVICE UNLESS OTHERWISE INDICATED.

3.3A PROVIDE ARC-FLASH INFORMATION NAME-PLATE ON EACH ELECTRICAL PANEL, SWITCHBOARD & MOTOR CONTROLLER. ARC-FLASH INFORMATION WILL BE SUPPLIED TO THE CONTRACTOR AFTER SHOP DRAWINGS ARE REVIEWED AND APPROVED.

3.4 WIRING METHODS

- INSTALL ALL WIRING IN CONDUIT OR APPROVED RACEWAYS. PROVIDE NYLON PULL CORD IN EMPTY CONDUITS. ~~THE USE OF MC-CABLE IS NOT APPROVED.~~
- SET OUTLET BOXES SQUARE, LEVEL, AND FLUSH WITH FINISHED SURFACES. SECURE AND BRACE WORK IN SUCH A MANNER AS TO INSURE THAT OUTLET BOXES AND CONDUIT DO NOT BECOME DISLOCATED DURING THE CONCRETE PLACING OPERATIONS OR WHILE OTHER CONSTRUCTION WORK IS BEING DONE.
- UNLESS OTHERWISE INDICATED, PROVIDE CONDUIT IN ACCORDANCE WITH THE FOLLOWING:
 - RIGID METAL CONDUIT (RMC): USE ANYWHERE OR WHERE RUN EXPOSED.
 - THIN WALL METAL (EMT): USE ANYWHERE EXCEPT:
 - UNDERGROUND
 - IN SLABS ON GROUND
- USE FLEXIBLE STEEL CONDUIT WITH GROUND WIRE FOR FINAL 24" OF CONNECTION TO MOTORS OR EQUIPMENT SUBJECT TO VIBRATION. (WATER-PROOF "SEAL-TITE" OR "LIQUID-TITE" IN OUTDOOR AND WET LOCATIONS).
- FIRMLY AND SECURELY FASTEN CONDUITS TO OR SUPPORT FROM THE BUILDING OR STRUCTURAL MEMBER OR EMBEDDED IN CONCRETE OR MASONRY. USE HANGERS AND SUPPORTS THAT ARE STANDARD CATALOG ITEMS OF A TYPE COMPATIBLE WITH AND SUITABLE FOR THE INTENDED USE. TWISTED WIRE HANGERS AND SUPPORTS ARE NOT ACCEPTABLE.
- DO NOT PULL CONDUCTORS INTO CONDUITS UNTIL ALL WORK WHICH MAY CAUSE DAMAGE TO THE WIRES IS COMPLETED. INSTALL WIRE AND CABLES SO AS NOT TO DAMAGE THE INSULATION OR CABLE SHEATH. PULL ALL CONDUCTORS TO BE INSTALLED IN A RACEWAY TOGETHER.
- KEEP CONDUCTOR SPLICES TO A MINIMUM. PROVIDE SPLICES AND TAPS WITH AT LEAST THE EQUIVALENT MECHANICAL STRENGTH AND INSULATION AS THE CONDUCTORS. PROVIDE SPLICE AND TAP DEVICE OF THE PROPER SIZE AND TYPE FOR THE USE AND COMPATIBLE WITH THE CONDUCTOR MATERIAL.
- PROVIDE SUFFICIENT LENGTH OF CONDUCTORS WITHIN CABINETS AND CUTOFF BOXES TO NEATLY TRAIN THE CONDUCTOR TO THE TERMINAL POINT WITH NO EXCESS. FASTEN THE CABLES TOGETHER IN NEAT BUNDLES WHEN THERE ARE MANY CONDUCTORS.
- PROVIDE FIRE RESISTANT COMPOUND TO RESTORE FIRE AND SMOKE RATING WHEN PENETRATING A RATED WALL OR CEILING

10. A NEUTRAL SHALL BE PROVIDED FOR EACH SINGLE POLE CIRCUIT. SHARING OF NEUTRALS IS NOT PERMITTED.

3.5 EQUIPMENT MOUNTING

- INSTALL EQUIPMENT AS INDICATED OR AS APPROPRIATE. PROVIDE FASTENERS OR SUPPORTS SUFFICIENT IN SIZE AND QUANTITY TO SUBSTANTIALLY SECURE THE EQUIPMENT IN PLACE TO THE BUILDING STRUCTURE OR STRUCTURAL ELEMENT.
- INSTALL THE EQUIPMENT PLUMB AND TRUE AS INTENDED AND SECURE. WHEN SEVERAL ITEMS OF EQUIPMENT ARE WALL OR RACK MOUNTED IN THE SAME AREA, LINE THEM UP VERTICALLY AND HORIZONTALLY ALONG WITH ANY ASSOCIATED RACEWAYS.

3.6 SLEEVES

1. WHERE ELECTRICAL CONDUITS PASS THROUGH WALLS, ROOFS, CEILING, OR FLOORS, SET SLEEVES FOR THEM WHEN THE FLOORS, WALLS, CEILING OR ROOFS ARE CONSTRUCTED. IF ANY HOLES ARE CUT IN FINISHED WORK WHERE SLEEVES HAVE BEEN OMITTED, USE A CONCRETE CORING MACHINE OR OTHER APPROVED METHOD AND ONLY WITH WRITTEN CONSENT OF THE ARCHITECT. CUT ALL SUCH HOLES CAREFULLY, NO LARGER THAN NECESSARY. COVER THESE HOLES ENTIRELY BY ESCUTCHEON PLATES WHEN WORK IS COMPLETED. PROVIDE SLEEVES MADE OF STEEL NO LIGHTER THAN 18 GAUGE. PROVIDE FIRE SEAL COMPOUNDS TO MAINTAIN WALL OR FLOOR RATING.

2. WHERE CONDUITS PASS THROUGH SLEEVES IN EXTERIOR WALLS, CAULK THE ANNULAR SPACE WITH OAKUM AND FILL INSIDE AND OUT WITH A NON- HARDENING, WATERPROOF SEALANT FINISHED OFF FLUSH WITH BOTH FACES OF THE WALL.

3.7 CUTTING AND PATCHING

1. CUT WALLS, FLOORS, PAVEMENT, SIDEWALKS, SOO ETC., AS REQUIRED FOR THE ELECTRICAL INSTALLATIONS. UNLESS OTHERWISE INDICATED, PATCH AND REFINISH TO MATCH ADJACENT SURFACES AND IN ACCORDANCE WITH THE OTHER DIVISIONS OF THESE SPECIFICATIONS.

3.8 PROTECTION OF EQUIPMENT

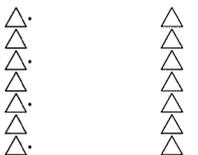
- DURING CONSTRUCTION, PROTECT ALL EQUIPMENT FROM INSULATION MOISTURE ABSORPTION AND METALLIC COMPONENT CORROSION BY APPROPRIATE USE OF STRIP HEATERS, LAMPS, COVERINGS, OR OTHER SUITABLE MEANS. APPLY PROTECTION IMMEDIATELY UPON RECEIVING THE PRODUCTS AND MAINTAIN CONTINUALLY.
- KEEP PRODUCTS CLEAN BY ELEVATING ABOVE GROUND OR FLOOR AND BY USING SUITABLE COVERINGS. TAKE SUCH PRECAUTIONS AS ARE NECESSARY TO PROTECT APPARATUS AND MATERIALS FROM DAMAGE. FAILURE TO PROTECT MATERIALS IS SUFFICIENT CAUSE FOR REJECTION OF THE APPARATUS OR MATERIAL IN QUESTION.
- PROTECT FACTORY FINISH FROM DAMAGE DURING CONSTRUCTION OPERATIONS AND UNTIL ACCEPTANCE OF THE PROJECT. SATISFACTORILY RESTORE ANY FINISHES THAT BECOME STAINED OR DAMAGED.



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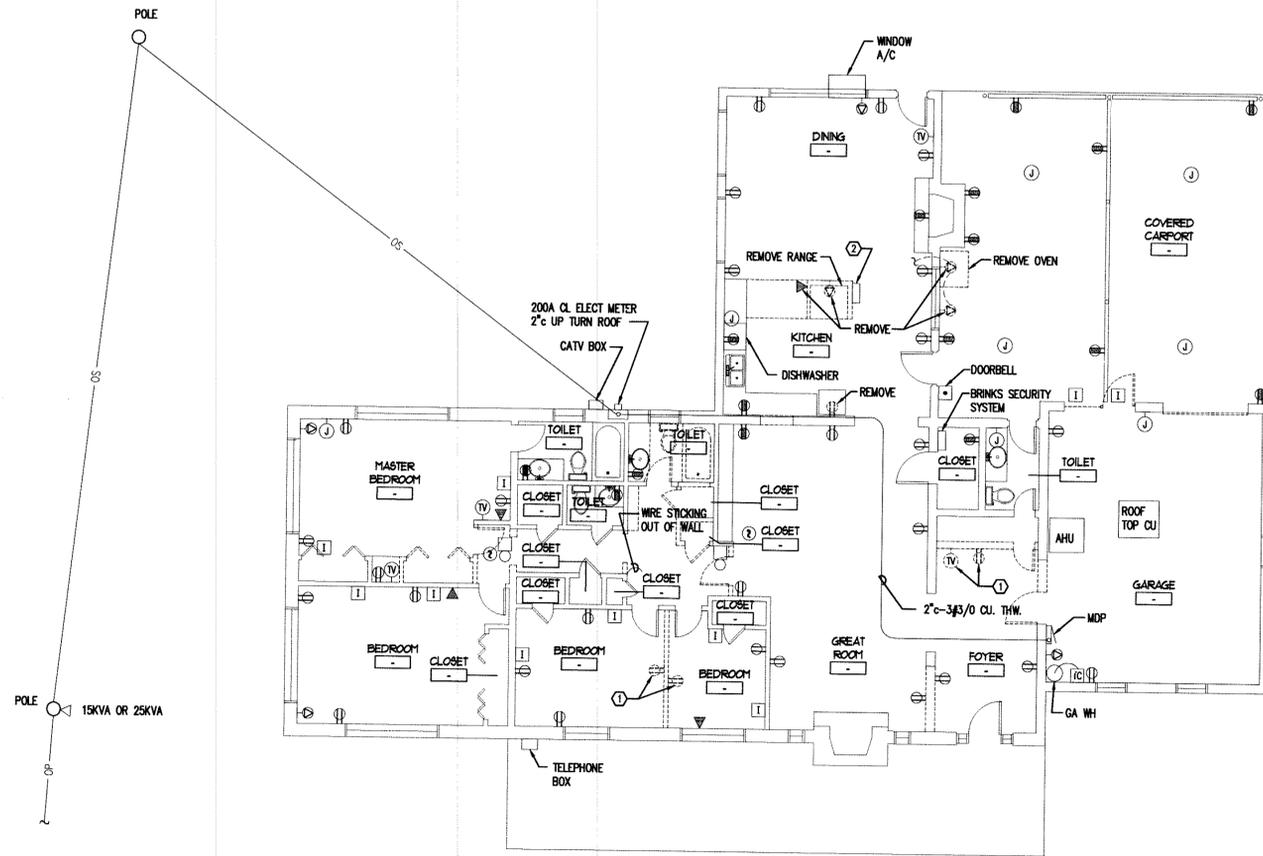
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LINE TYPE LEGEND	
---	EXISTING TO BE REMOVED
---	EXISTING TO REMAIN
---	NEW TO BE PROVIDED

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	213-128

WORK NOTES:

- ① REMOVE EXISTING RECEPTACLE AND BRANCH CIRCUIT WIRING BACK TO NEXT REMAINING DEVICE. MAINTAIN CIRCUIT CONTINUITY TO REMAINING DEVICES.
- ② RELOCATE NUTONE INTERROOM PA/MUSIC CABINET. SEE REVISED POWER/SYSTEMS PLAN FOR NEW LOCATION.



EXISTING CONDITIONS/DEMOLITION FLOOR PLAN - POWER & SYSTEMS

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



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Leon County
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LINE TYPE LEGEND

---	EXISTING TO BE REMOVED
---	EXISTING TO REMAIN
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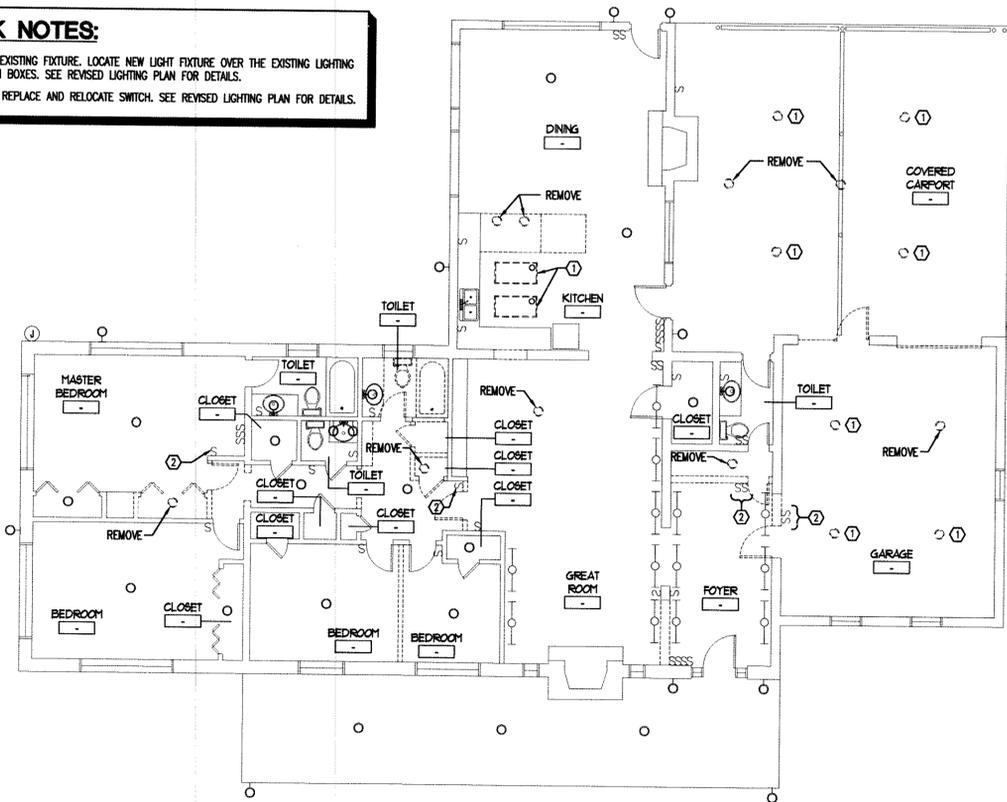
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M:\213-128\F G Greenway C CE1.0 demo plan.dwg, 7/26/2013 3:38:39 PM, Wanyda Jean-Baptiste
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WORK NOTES:
 ① REMOVE EXISTING FIXTURE. LOCATE NEW LIGHT FIXTURE OVER THE EXISTING LIGHTING JUNCTION BOXES. SEE REVISED LIGHTING PLAN FOR DETAILS.
 ② REMOVE, REPLACE AND RELOCATE SWITCH. SEE REVISED LIGHTING PLAN FOR DETAILS.



EXISTING CONDITIONS/DEMOLITION FLOOR PLAN - LIGHTING

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



LINE TYPE LEGEND

	EXISTING TO BE REMOVED
	EXISTING TO REMAIN
	NEW TO BE PROVIDED

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 (904) 422-1743 PHONE
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 ENGINEERING BUSINESS NO. 9783



14050
PROJECT CODE

12 July 2013
DATE

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Leon County
 Fred George Greenway
 Community Center
 Renovation
 Tallahassee Florida

E1.1

225 SOUTH ADAMS ST., TALLAHASSEE, FLORIDA 32301
 PHONE 850 224-6301 FAX 850 561-6978

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E2.1
225 SOUTH ADAMS ST., TALLAHASSEE, FLORIDA 32301
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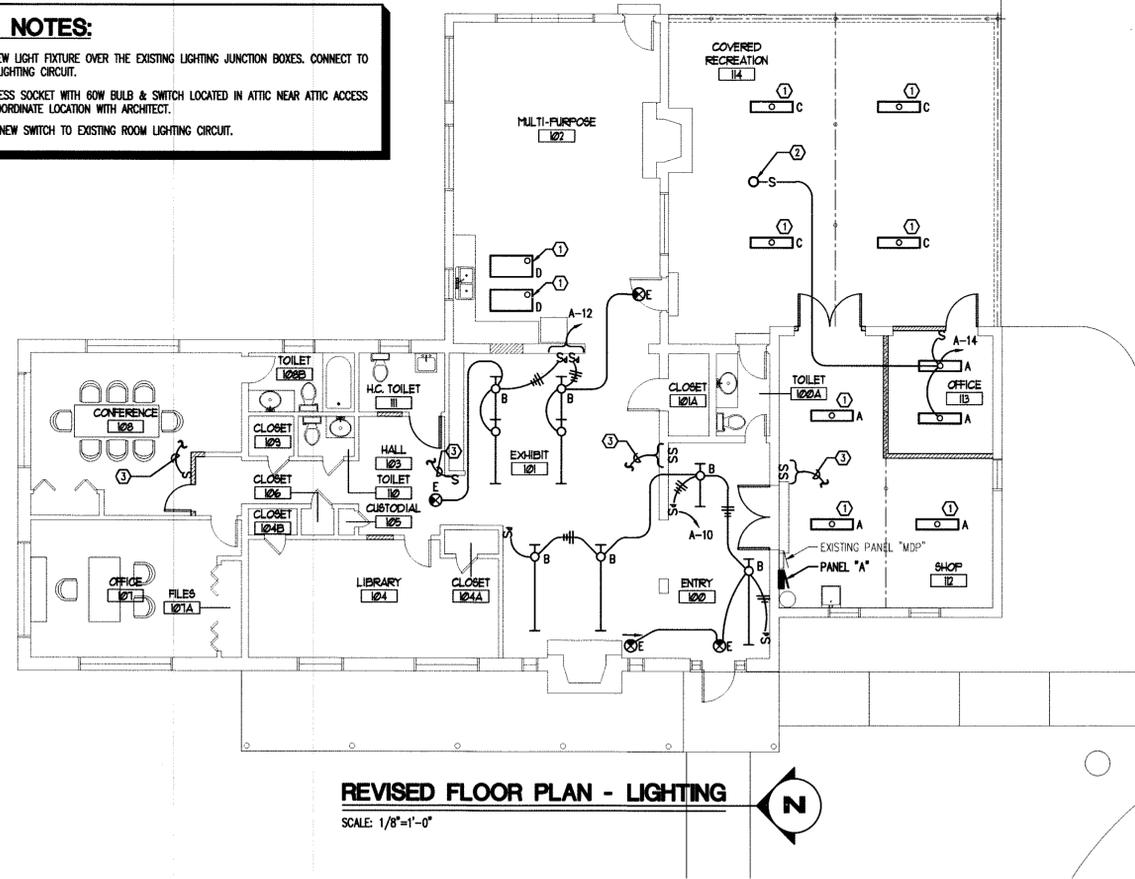
LIGHTING FIXTURE SCHEDULE								
TYPE	MANUFACTURER	CATALOG NO.	VOLTS	NO. OF LAMPS	LAMP WATTS	LAMP TYPE	DESCRIPTION	REMARKS
A	PHILIPS DAY-BRITE	OWNZUNVEB	120	2	32	T-8	SURFACE MOUNTED FLUORESCENT WRAP AROUND	-
B	LITON	LT732W	120	1	50	MR-16	PROVIDE (1) LIGHT FIXTURE FOR EVERY 2' OF TRACK	NOTE 6
C	BEGHELLI	BS-1002-3278/EB	120	2	32	T-8	SURFACE MOUNTED MET LOCATION FLUORESCENT	-
D	PHILIPS DAY-BRITE	2SPC432FS011/4EB101	120	4	32	T-8	2'x4' 4 LAMP RECESSED TROFFER	-
E	PHILIPS CHLORIDE	C00L3RW	120	-	-	LED	UNIVERSAL MOUNT BATTERY PACK EXIT SIGN	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

NOTES:

- THIS CONTRACTOR SHALL VERIFY ALL FIXTURE/CIRCUIT VOLTAGES PRIOR TO ORDERING FIXTURES.
- THIS CONTRACTOR SHALL VERIFY ALL CEILING FINISHES AND PROVIDE TRIMS/SUPPORTING MEANS APPROPRIATE TO EACH TYPE CEILING.
- THIS CONTRACTOR SHALL VERIFY FIXTURE RECESSING DEPTH WITH ACTUAL FIELD CONDITIONS AND NOTIFY ARCHITECT/ENGINEER WHERE CONFLICTS EXIST.
- ALL FLUORESCENT LIGHTING FIXTURES SHALL HAVE ELECTRONIC BALLASTS WITH LESS THAN 20% THD, UNLESS NOTED OTHERWISE.
- ALL FLUORESCENT LIGHTING FIXTURES SHALL USE T-8, 4100K LAMPS.
- PROVIDE SURFACE MOUNTED WHITE COLORED LIGHTING TRACK WITH LIVE END FEEDS, CANOPY, JOINERS AND ATTACHMENTS.

WORK NOTES:

- LOCATE NEW LIGHT FIXTURE OVER THE EXISTING LIGHTING JUNCTION BOXES. CONNECT TO EXISTING LIGHTING CIRCUIT.
- NEW KEYLESS SOCKET WITH 60W BULB & SWITCH LOCATED IN ATTIC NEAR ATTIC ACCESS HATCH. COORDINATE LOCATION WITH ARCHITECT.
- CONNECT NEW SWITCH TO EXISTING ROOM LIGHTING CIRCUIT.



LINE TYPE LEGEND

---	EXISTING TO BE REMOVED
---	EXISTING TO REMAIN
---	NEW TO BE PROVIDED

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(NEW)

PANEL SCHEDULE: "A"											
SERVICE: 120/240, 1φ, 3W		MOUNTING: SURFACE				LOCATION: SHOP		RATING: 10K A.I.C.			
MAIN: 100A M.L.G.											
CKT NO.	DESCRIPTION	C. BKR.		LOAD KVA/#		C. BKR.		DESCRIPTION	CKT NO.		
		A	P	A	B	A	P				
1	HPU-1	50	2	4.09		2.04	20	2	AC-1	2	
3				4.09		2.04				4	
5	AHU-1	60	2	5.75		1.44	15	2	AC-2	6	
7				5.75		1.44				8	
9	RECEPTACLES-EXTERIOR	*	20	1	0.36	0.74	20	1	ENTRYWAY TRACK LIGHTING	10	
11	RECEPTACLES-SHOP/OFFICE		20	1	0.72	0.54	20	1	LIVING ROOM TRACK LIGHTING	12	
13	RECEPTACLE-OFFICE 107		20	1	0.18	0.40	20	1	LIGHTS-OFFICE 113	14	
15	RECEPTACLE-REFRIGERATOR	*	20	1	1.2	-	-	-	SPACE	16	
17	DATA RACK		20	1	0.20	-	-	-	SPACE	18	
19	SPACE		-	-	-	-	-	-	SPACE	20	
21	SPACE		-	-	-	-	-	-	SPACE	22	
23	SPACE		-	-	-	-	-	-	SPACE	24	
25	SPACE		-	-	-	-	-	-	SPACE	26	
27	SPACE		-	-	-	-	-	-	SPACE	28	
29	SPACE		-	-	-	-	-	-	SPACE	30	
31	SPACE		-	-	-	-	-	-	SPACE	32	
33	SPACE		-	-	-	-	-	-	SPACE	34	
35	SPACE		-	-	-	-	-	-	SPACE	36	
37	SPACE		-	-	-	-	-	-	SPACE	38	
39	SPACE		-	-	-	-	-	-	SPACE	40	
41	SPACE		-	-	-	-	-	-	SPACE	42	
TOTAL CONNECTED LOAD:		0.00 KVA	00.0 AMPS			0.00	0.00				
TOTAL DEMAND LOAD:		0.00 KVA	00.0 AMPS			0.00	0.00				

* = GROUND FAULT TYPE C.B.

(EXISTING)

PANEL SCHEDULE: MDP											
SERVICE: 120/240 1φ, 3W		MOUNTING: SURFACE				LOCATION: GARAGE		RATING: 10K A.I.C.			
MAIN: 200A M.B.											
CKT NO.	DESCRIPTION	C. BKR.		LOAD KVA/#		C. BKR.		DESCRIPTION	CKT NO.		
		A	P	A	B	A	P				
1	?	20	1	-	-	-	30	2	PUMP	2	
3		15	1	-	-	-	-	-		4	
5	KITCHEN COUNTER	15	1	-	-	-	50	2	STOVE	6	
7	?	20	1	-	-	-	-	-		8	
9	SPARE	○	20	1	-	-	30	2	WATER HEATER	10	
11	REFRIGERATOR	20	1	-	-	-	-	-		12	
13	?	15	1	-	-	-	15	1	?	14	
15		15	1	-	-	-	20	1	UTILITY LIGHTS (TANDUM)	16	
17		15	1	-	-	-	20	1	MASTER BATH	18	
19	(TANDUM)	20	1	-	-	-	15	1	?	20	
21	(TANDUM)	20	1	-	-	-	20	1	WASHER (TANDUM)	22	
23	NEW PNL "A"	△	100	2	-	-	20	2	?	24	
25										26	
27	STOVE CARPORT	50	2	-	-	-	30	2	DRYER	28	
29										30	
31	SPACE		-	-	-	-	-	-	SPACE	32	
33	SPACE		-	-	-	-	-	-	SPACE	34	
35	SPACE		-	-	-	-	-	-	SPACE	36	
37	SPACE		-	-	-	-	-	-	SPACE	38	
39	SPACE		-	-	-	-	-	-	SPACE	40	
41	SPACE		-	-	-	-	-	-	SPACE	42	
TOTAL CONNECTED LOAD:		0.00 KVA	00.0 AMPS			0.00	0.00				
TOTAL DEMAND LOAD:		0.00 KVA	00.0 AMPS			0.00	0.00				

△ = REPLACE EXISTING CIRCUIT BREAKER AS INDICATED.
○ = REDESIGNATE EXISTING CIRCUIT BREAKER AS INDICATED.



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