



Alachua County Budget and Fiscal Services Procurement

Larry M. Sapp, CPPB
Procurement Manager

Darryl R. Kight, CPPB
Procurement Supervisor

February 2, 2021

RE: Addendum #2

BID 21-980 Design-Build for the HVAC System @ Camp Cuscowilla

Dear Sir/Madam:

Please be aware of the following clarifications regarding the above referenced Bid:

ADD/DELETE:

Add: ADM 2 - PLANS 21-980 Design-Build for the HVAC System @ Camp Cuscowilla - Project #8204102 12-18-2020 (ADD PLANS PDF)

QUESTION AND ANSWERS:

Q #1: Is the award based solely on the low price or will the bid be evaluated comparing scope and AC systems to be installed?

A #1: This is a BID, and will be evaluated on the lowest most responsive and responsible bidder.

Q #2 Section 1.1.1.1 states to demo condenser and cap ductwork. What about the Air Conditioner located in the attic and associated refrigerant lines? Who is responsible for reclaiming the refrigerant?

A #2: The contractor will be required to capture all refrigerant.

Q #3: Section 1.1.1.2 states Procure and install new like-for-like tonnage VRF system. Is the intent to have a single condenser with a cassette per sleeping space?

A #3: Facilities is expecting a VRF system that is designed to replace the current system at the most sensible energy efficient manner.

Q #4: Are we to figure a VRF system reusing the existing ductwork?

A #4: No, as Facilities would prefer that below ceiling cassettes either wall mounted or floor mounted can be used for ease of maintenance.

Q #5: Is there a specific manufacturer that the county is certified to service or is requesting?

A #5: No

Q #6: Are we to include the cost of certification for a county employee in our price to service the new systems (Manufacturer)?

A #6: No

Q #7: Section 1.1.1.5 refers to a Test and Balance of the systems. Does this need to be performed by an Independent Certified T & B Contractor?

A #7: No

Q #8: Section 1.1.2.1 refers to the HVAC controls. Are the units to be controlled by a simple thermostat (and per sleeping area) or do the units need to have any integration to a county system? Do the units require BACNet?

A #8: No, a programmable thermostat is required per sleeping area.

Q #9: Will a system other than a VRF be entertained because it will probably be more cost efficient?

A #9: No, long term energy savings is the goal.

Q #9: Will the county do any kind of Direct Purchase of the equipment to save on sales tax?

A #9: Yes, if warranted.

Q #10: Until the scope of work is refined can the bid submittal date be extended to help with the design work needed on our end to submit a price?

A #10: No, this is a time sensitive project and need to stay on the current project schedule.

NOTE: You should acknowledge receipt of this addendum on your Bid Form.

End of Addendum # 2

Sincerely,

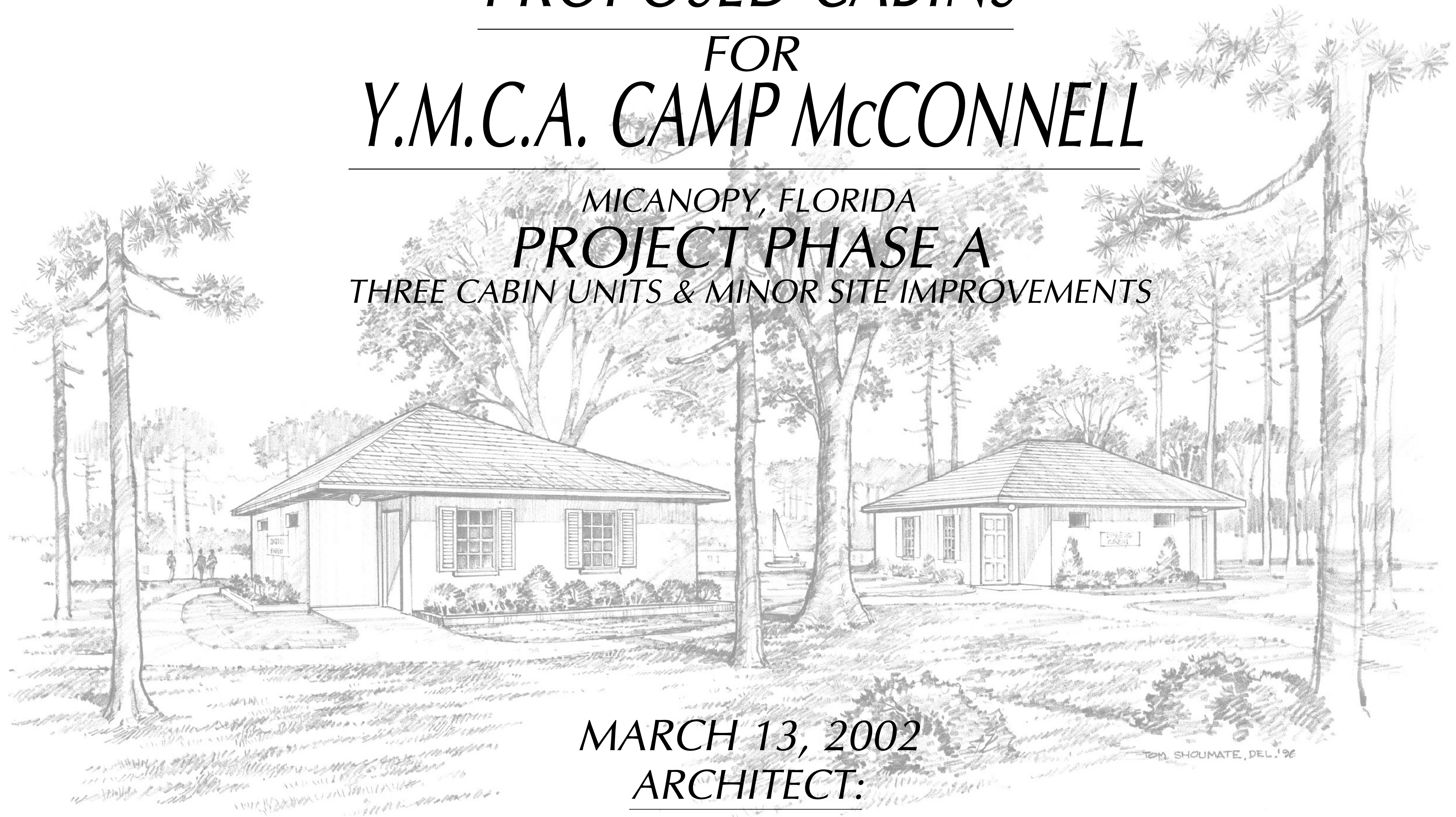
Theodore White

Theodore White
Procurement Agent II

TW/bf

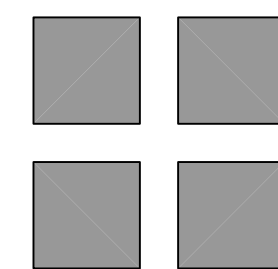
PROPOSED CABINS FOR Y.M.C.A. CAMP McCONNELL

MICANOPY, FLORIDA
PROJECT PHASE A
THREE CABIN UNITS & MINOR SITE IMPROVEMENTS

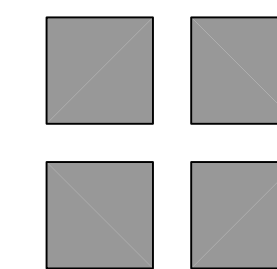


MARCH 13, 2002
ARCHITECT:

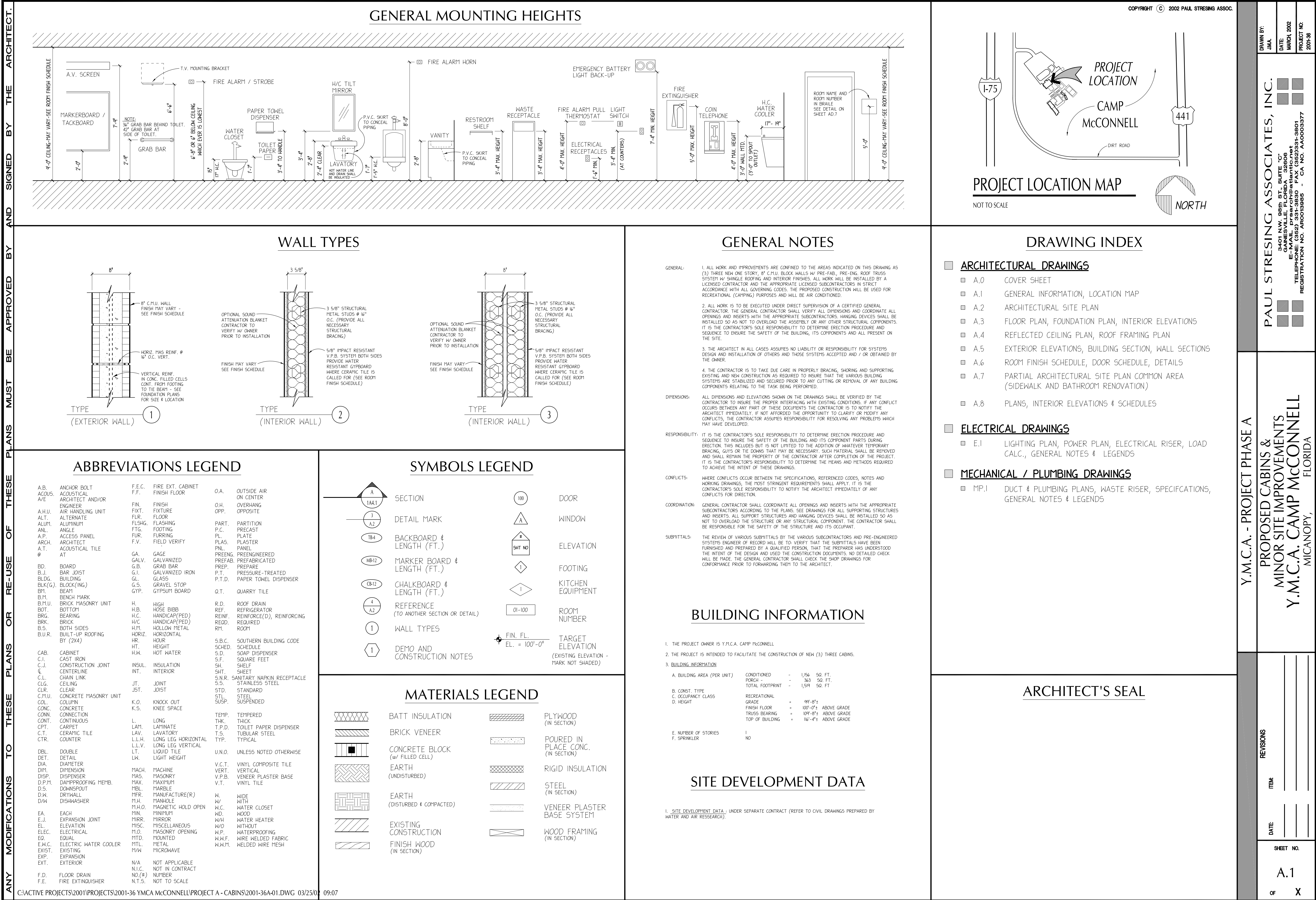
PAUL STRESING ASSOCIATES, INC.

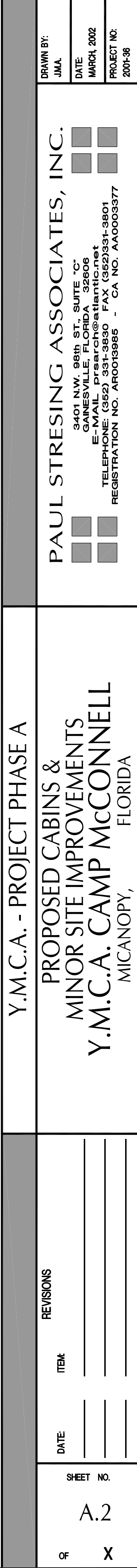


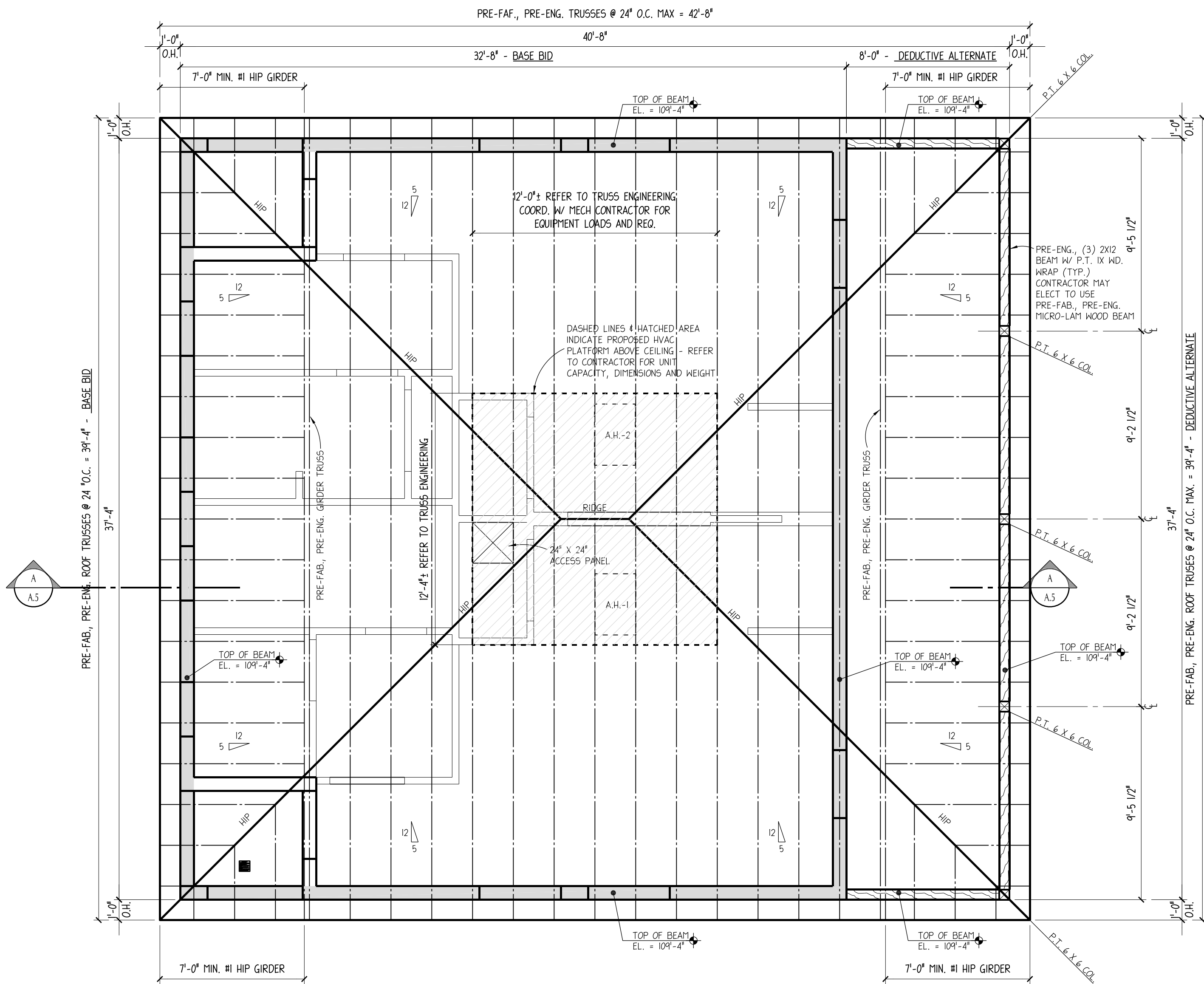
3401 N.W. 98th ST., SUITE "C"
GAINESVILLE, FLORIDA 32606
E-MAIL prsarch@atlantic.net
TELEPHONE: (352) 331-3830 FAX (352) 331-3801
REGISTRATION NO. AR0013985 - CA NO. AA0003377



Set No. _____







ROOF FRAMING PLAN

$$1/4'' = 1'-0''$$

ROOF FRAMING GENERAL NOTES

- COORDINATION: GENERAL CONTRACTOR SHALL COORDINATE ALL OPENINGS AND INSERTS W/ THE APPROPRIATE SUBCONTRACTORS ACCORDING TO THE PLANS. SEE DRAWINGS FOR ALL SUPPORTING STRUCTURES AND INSERTS, ALL SUPPORTS AND HANGING DEVICES SHALL BE INSTALLED SO AS NOT TO OVERLOAD THE STRUCTURE OR ANY STRUCTURAL COMPONENT.
- CONFLICTS: WHERE CONFLICTS OCCUR BETWEEN SPECIFICATIONS, REFERENCED CODES, NOTES AND WORKING DRAWINGS, THE MOST STRINGENT REQUIREMENTS SHALL APPLY. NOTIFY AVE PRIOR TO MAKING ANY CHANGES.
- RESPONSIBILITY: IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES:
 - BUT IS NOT LIMITED TO: THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS OR CROWS MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.
- DIMENSIONS: CONTRACTORS AND SUBCONTRACTORS ARE TO REVIEW AND FAMILIARIZE THEMSELVES WITH ALL DIMENSIONS PRIOR TO INSTALLATION OF THEIR WORK. IF AN ERROR IS FOUND IT IS TO BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY FOR CLARIFICATION AND INTERPRETATION.
- ALTERATIONS: IN NO CASE SHALL STRUCTURAL ALTERATIONS OR WORK AFFECTING A STRUCTURAL MEMBER BE MADE UNLESS APPROVED BY ENGINEER.
- SHOP DRAWINGS: PROVIDE SHOP DRAWINGS OF ALL FRAMING MEMBERS BEARING A SEAL AND SIGNATURE FROM A REGISTERED ENGINEER FOR REVIEW. ENGINEER IS TO IDENTIFY ANY AND ALL MODIFICATIONS.
- OWNER MAY ELECT TO USE VAULTED CEILINGS. COORDINATE W/ PRE-ENG. TRUSS MANUFACTURER AND DETAIL ON THE SHOP DRAWINGS.
- PRE-ENGINEERED ROOF TRUSS MANUFACTURER TO RECOGNIZE THAT BOTH HVAC UNITS ARE TO BE LOCATED ON AN ATTIC PLINFIN WITH AN EMERGENCY OVERLAP PAN DRAINED TO THE EXTERIOR. PROVIDE 24" X 24" ACCESS PANEL IN CEILING OF STORAGE ROOM.
- REFER TO WINDLOAD ANALYSIS BY OTHERS FOR NAILING PATTERNS, NAILS SIZES AND WIND UPLIFT HARDWARE.
- TRUSS FABRICATOR TO RECOGNIZE MECHANICAL EQUIPMENT PROPOSED AND PROVIDE ADEQUATE ATTIC SPACE FOR INSTALLATION. COORDINATE WITH MECHANICAL SUBCONTRACTOR FOR EXACT SIZES AND WEIGHTS OF THE PROPOSED EQUIPMENT. ADJUST KEYS AS REQUIRED TO ALLOW ACCESS FOR SERVING.
- MECHANICAL EQUIPMENT AREA SHALL BE DESIGNED TO COMPLY W/ ALL LOCAL & STATE CODES & ORDINANCES. INSTALL ALL REQUIRED SMOKE AND FIRE DETECTION DEVICES AS WELL AS ELECTRICAL LIGHTING FIXTURES.

ROOF SYSTEM

FIBERGLASS ROOFING SHINGLES OVER
2 LAYER 15# FELT ON
1 LAYER 5/8" EXT. GRADE PLYWOOD
OR OSB SHEATHING. (REFER TO
WINDLOAD CALC.)

PROPOSED CABINS &
MINOR SITE IMPROVEMENTS
Y.M.C.A. CAMP MCCONNELL
MICANOPY, FLORIDA

PAUL STRESING ASSOCIATES, INC.

3401 NW 98th ST., SUITE 'C'
 GAINESVILLE, FLORIDA 32606
 E-MAIL presrch@atlantic.net
 TELEPHONE: (352) 331-3830 FAX (352)331-3801
 REGISTRATION NO. AR0013985 - CA NO. AA0003377

ITEM:

DATE:

SHEET NO.

A.4

OF

DOOR SCHEDULE

DOOR NUMBER	DOOR					FRAME		THR. MAT.	DETAILS			RATING	HRDWR	REMARKS
	TYPE	MAT.	WIDTH	HEIGHT	GLASS/ LOUVER	TYPE	MAT.		HEAD	JAMB	THR.			
101	A	MET.	3'-0"	7'-0"	NONE	1	H.M.	ALUM.	9/A.6	14/A.6	---	---	---	I
102	A	S.C.W.	3'-0"	7'-0"	NONE	2	H.M.	MBL.	2/A.6	2/A.6	---	---	---	
103	B	S.C.W.	PR. 2'-0"	7'-0"	NONE	3	H.M.	TRANS.	2/A.6	2/A.6	---	---	---	
104	B	S.C.W.	PR. 2'-0"	7'-0"	NONE	3	H.M.	TRANS.	2/A.6	2/A.6	---	---	---	
105	A	MET.	3'-0"	7'-0"	NONE	1	H.M.	ALUM.	9/A.6	14/A.6	---	---	---	I
106	A	MET.	3'-0"	7'-0"	NONE	1	H.M.	ALUM.	9/A.6	14/A.6	---	---	---	I
107	A	S.C.W.	PR. 3'-6"	7'-0"	NONE	---	H.M.	TRANS.	2/A.6	2/A.6	---	---	---	
108	B	S.C.W.	PR. 2'-0"	7'-0"	NONE	3	H.M.	TRANS.	2/A.6	2/A.6	---	---	---	
109	A	S.C.W.	3'-0"	7'-0"	NONE	2	H.M.	TRANS.	2/A.6	2/A.6	---	---	---	
110	A	S.C.W.	3'-0"	7'-0"	NONE	2	H.M.	TRANS.	2/A.6	2/A.6	---	---	---	
III	A	MET.	3'-0"	7'-0"	NONE	1	H.M.	ALUM.	9/A.6	14/A.6	---	---	---	I

DOOR SCHEDULE REMARKS

1. EXTERIOR DOOR. PROVIDE WEATHER-STRIPPING AND H/C THRESHOLD SET IN CAULK BED.

HARDWARE NOTES

1. ALL LOCKS SHALL RECEIVE TEMPORARY CYLINDERS KEYPED FOR CONTRACTOR USE ONLY DURING CONSTRUCTION PERIOD UNLESS NOTED OTHERWISE BY OWNER. (CONSULT W/ OWNER PRIOR TO ORDERING)
2. PERMANENT CYLINDER FOR ALL LOCKS SHALL BE FURNISHED AND INSTALLED BY HARDWARE SUPPLIER AT TIME OF SUBSTANTIAL COMPLETION.

DOOR SCHEDULE ABBREVIATIONS

ALUM. ALUMINUM PR. PAIR
H.M. HOLLOW METAL S.C.W. SOLID CORE WOOD
HRDWR. HARDWARE THR. THRESHOLD
MAT. MATERIAL TRANS. TRANSITION STRIP
MBL. MARBLE

ROOM FINISH SCHEDULE

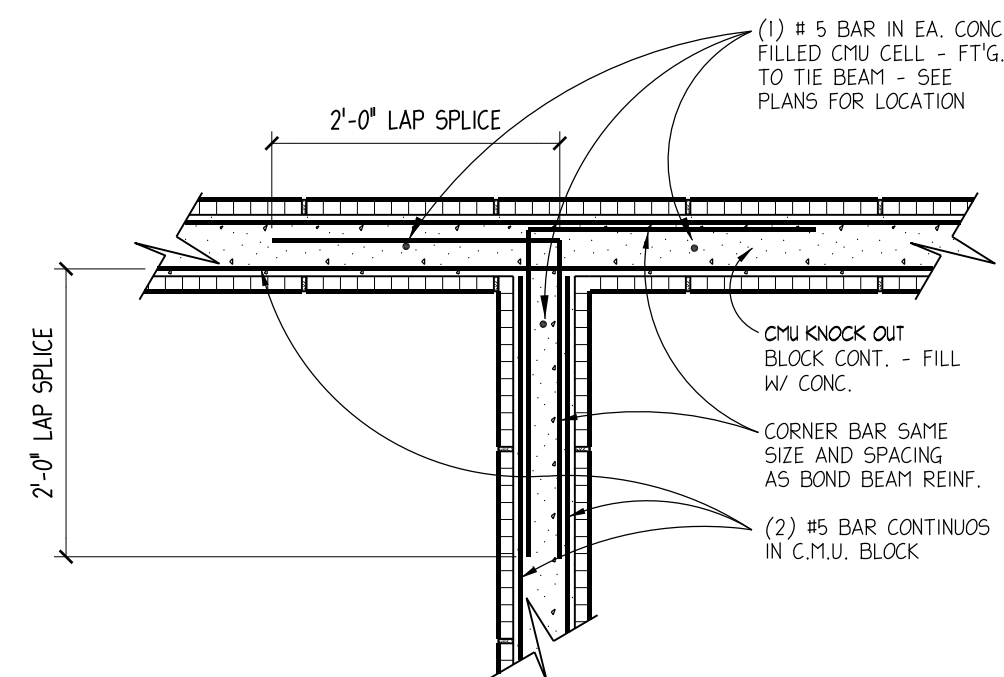
ROOM NUMBER	ROOM NAME	FLOOR	BASE	NORTH		EAST		SOUTH		WEST		WN5CT	CEILING		TRIM PAINT	REMARKS
				WALL	FIN.	WALL	FIN.	WALL	FIN.	WALL	FIN.		MAT.	HGT.		
101	SLEEPING AREA	V.C.T.	VINYL	C.M.U.	L.T.	C.M.U.	L.T.	V.P.B.	P.T.	V.P.B.	P.T.	---	V.P.B.	9'-4"	GL.	---
102	SLEEPING AREA	V.C.T.	VINYL	V.P.B.	P.T.	C.M.U.	L.T.	C.M.U.	L.T.	V.P.B.	P.T.	---	V.P.B.	9'-4"	GL.	---
103	VESTIBULE	C.T.	C.T.	V.P.B.	P.T.	V.P.B.	P.T.	V.P.B.	P.T.	V.P.B.	P.T.	C.T. 40"	V.P.B.	9'-4"	GL.	---
104	H/C TOILET	C.T.	C.T.	V.P.B.	P.T.	V.P.B.	P.T.	C.M.U.	L.T.	C.M.U.	P.T.	C.T. 40"	V.P.B.	9'-4"	GL.	2
105	H/C SHOWERS	C.T.	C.T.	V.P.B.	P.T.	V.P.B.	P.T.	V.P.B.	P.T.	C.M.U.	C.T.	---	V.P.B.	9'-4"	GL.	2
106	STORAGE	S.C.	VINYL	V.P.B.	P.T.	V.P.B.	P.T.	V.P.B.	P.T.	V.P.B.	P.T.	---	V.P.B.	9'-4"	GL.	---
107	WET BAR	V.C.T.	VINYL	V.P.B.	P.T.	V.P.B.	P.T.	V.P.B.	P.T.	V.P.B.	P.T.	---	V.P.B.	9'-4"	GL.	---
108	K.H.	C.T.	C.T.	V.P.B.	P.T.	V.P.B.	P.T.	V.P.B.	P.T.	C.M.U.	P.T.	---	V.P.B.	9'-4"	GL.	2
109	SHOWERS	C.T.	C.T.	V.P.B.	P.T.	V.P.B.	P.T.	V.P.B.	P.T.	C.M.U.	C.T.	---	V.P.B.	9'-4"	GL.	2
110	BATHROOM	C.T.	C.T.	C.M.U/V.P.B.	L.T./P.T.	V.P.B.	P.T.	V.P.B.	P.T.	C.M.U.	L.T.	C.T. 40"	V.P.B.	9'-4"	GL.	2

ROOM FINISH SCHEDULE ABBREVIATIONS

A.T. ACOUSTICAL TILE L.T. LIQUID TILE
C.M.U. CONCRETE MASONRY UNIT MAT. MATERIAL
CPT. CARPET PT. PAINT
C.T. CERAMIC TILE S.C. SEALED CONCRETE
FIN. FINISH V.C.T. VINYL COMPOSITE TILE
HGT. HEIGHT V.P.B. VENEER PLASTER BASE

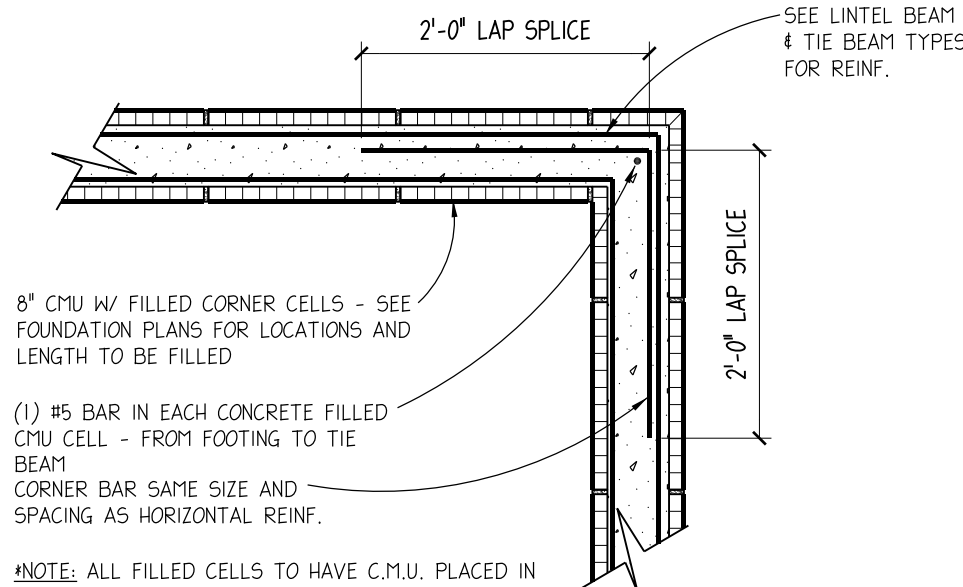
ROOM FINISH SCHEDULE NOTES

1. PROVIDE WOOD BLOCKING AS REQUIRED TO ACCOMMODATE TOILET ACCESSORIES (TYPICAL AT ALL BATHROOMS).
2. PROVIDE SOUND BATT INSULATION IN METAL STUD FRAMED WALLS.
* GYPSUM BRD WALL COVERINGS SHALL BE 5/8" IMPACT RESISTANT AT ALL SURFACES TYP. AND 5/8" MOISTURE RESISTANT (OR DUROCK) @ ALL BATH AND SHOWER SURFACES.



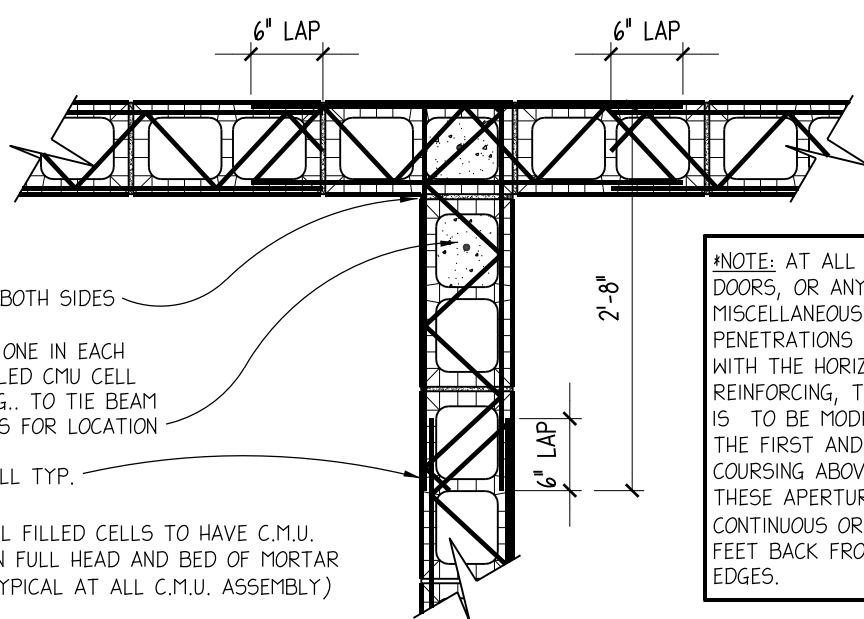
TIE BEAM REINF.

3/4" = 1'-0"



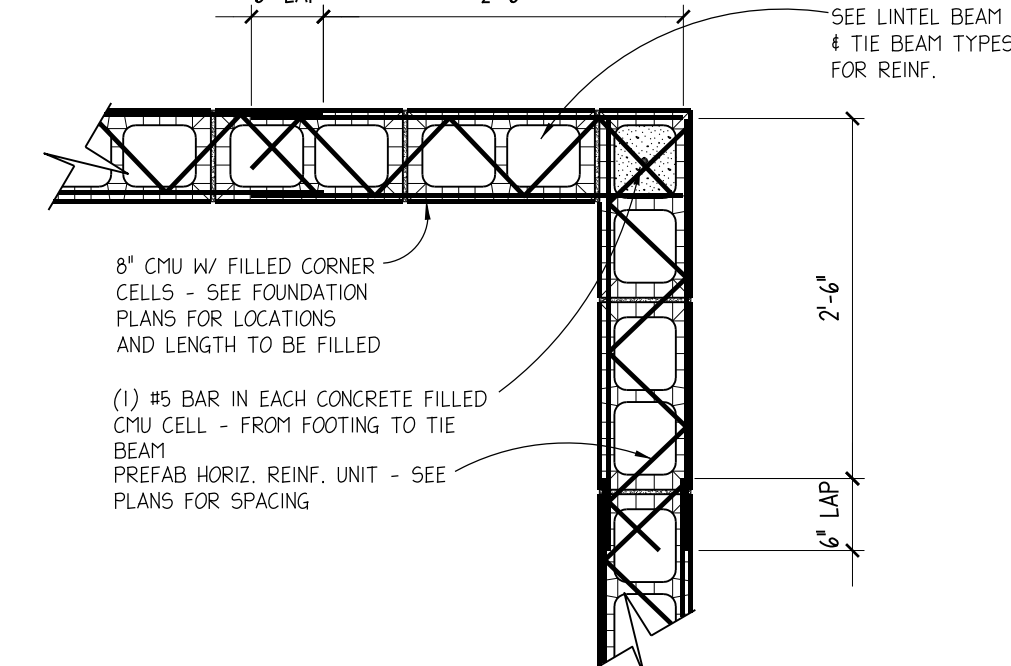
TIE BEAM REINF.

3/4" = 1'-0"



JOINT REINFORCING

3/4" = 1'-0"

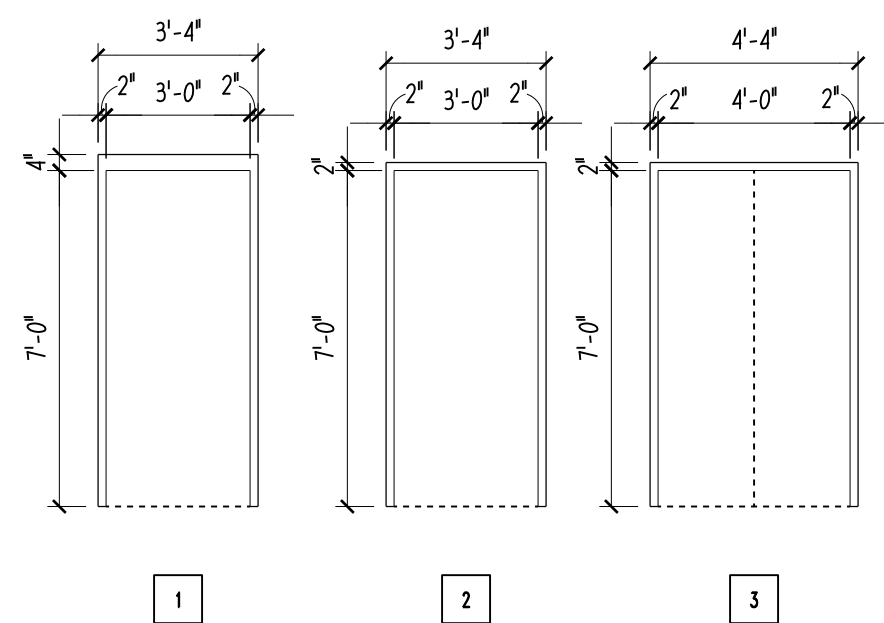


JOINT REINFORCING

3/4" = 1'-0"

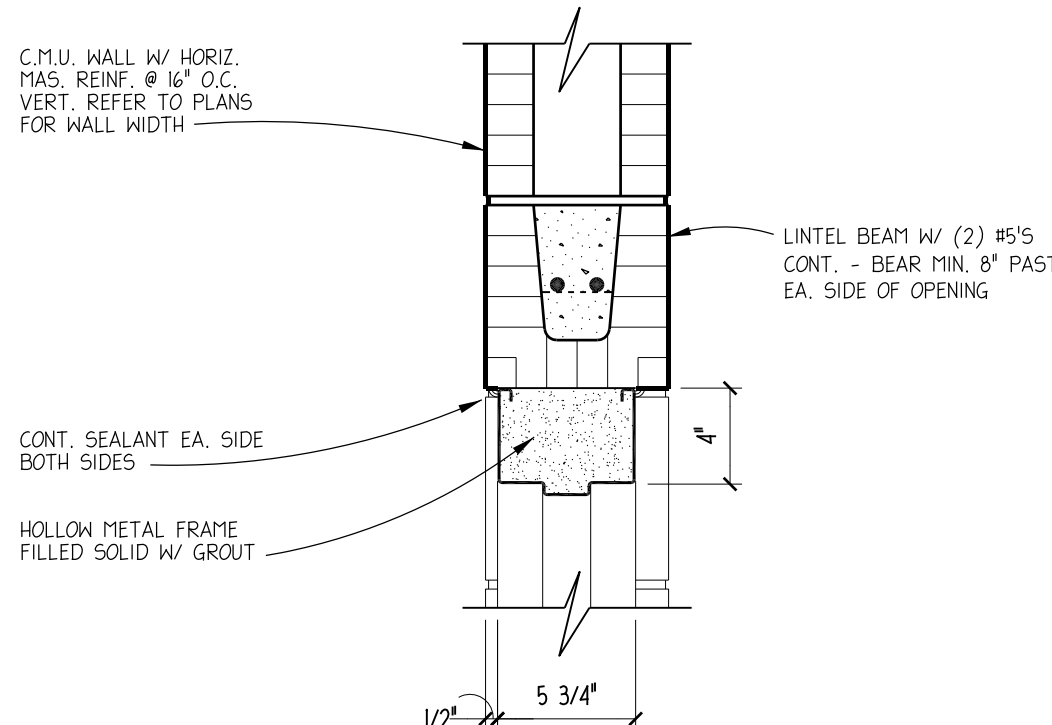
DOOR TYPES

1/4" = 1'-0"



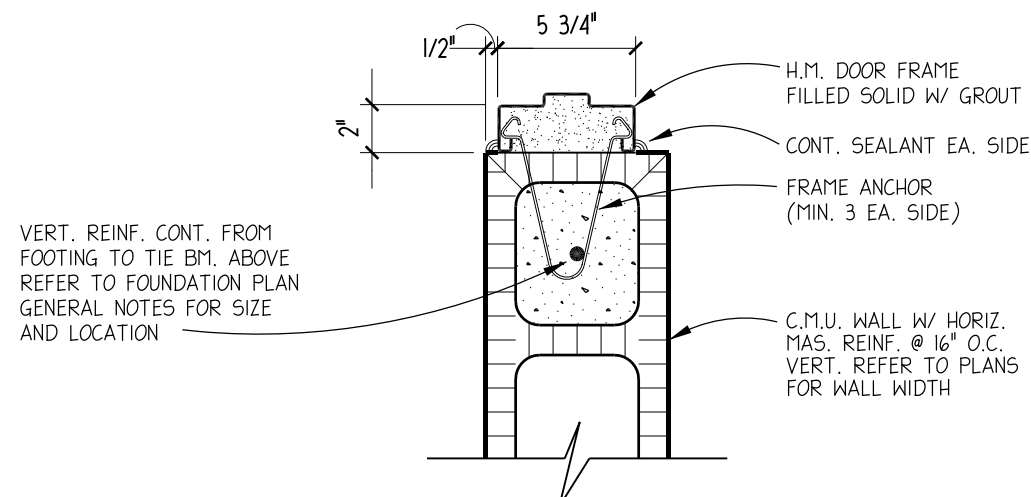
DOOR FRAME TYPES

1/4" = 1'-0"



H.M. DOOR HEAD

1 1/2" = 1'-0"

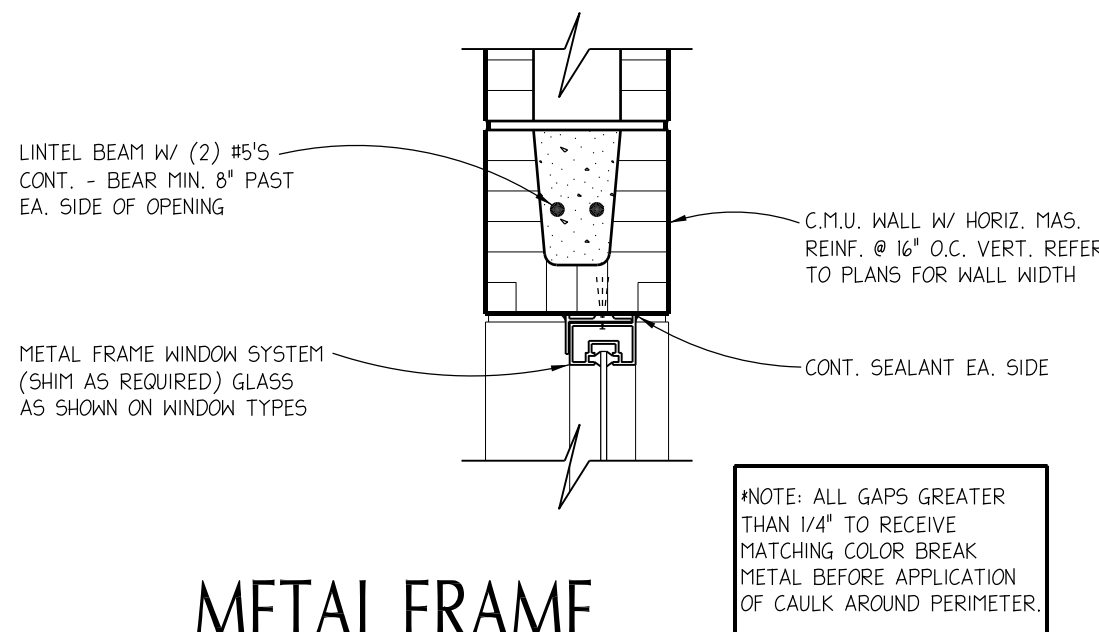


H.M. DOOR JAMB

1 1/2" = 1'-0"

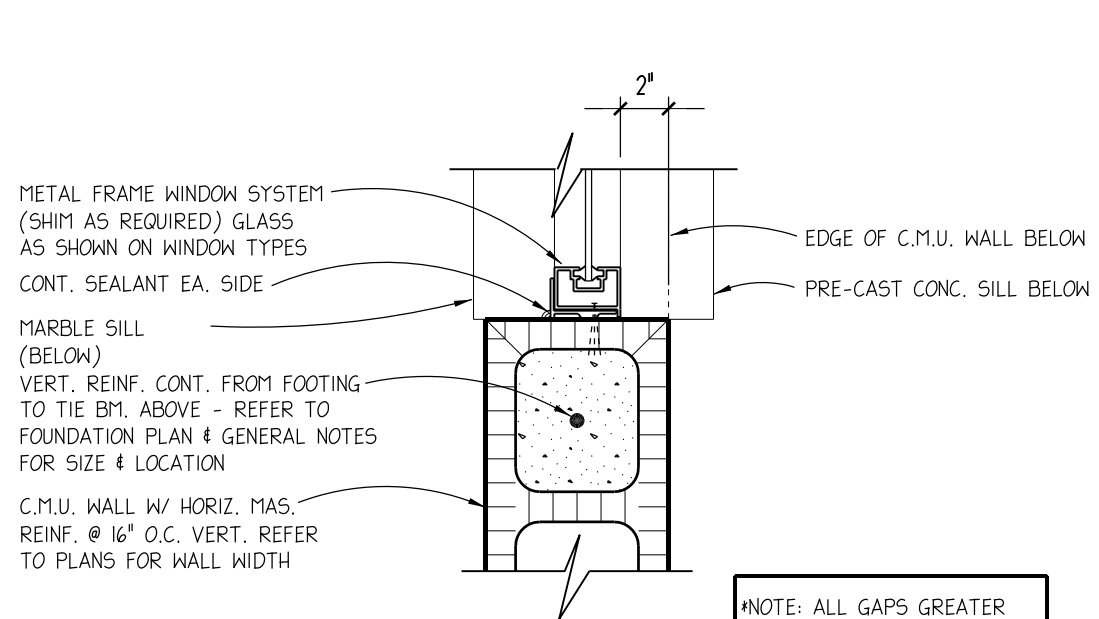
H.M. DOOR HEAD

1 1/2" = 1'-0"



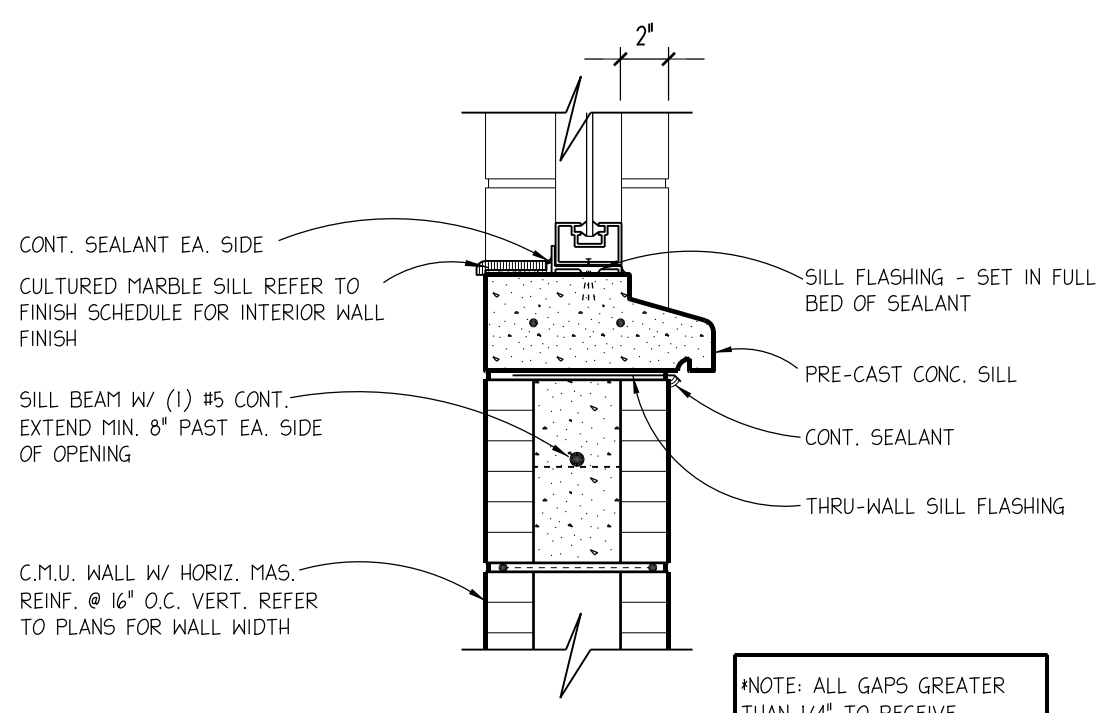
METAL FRAME WINDOW HEAD

1 1/2" = 1'-0"



METAL FRAME WINDOW JAMB

1 1/2" = 1'-0"

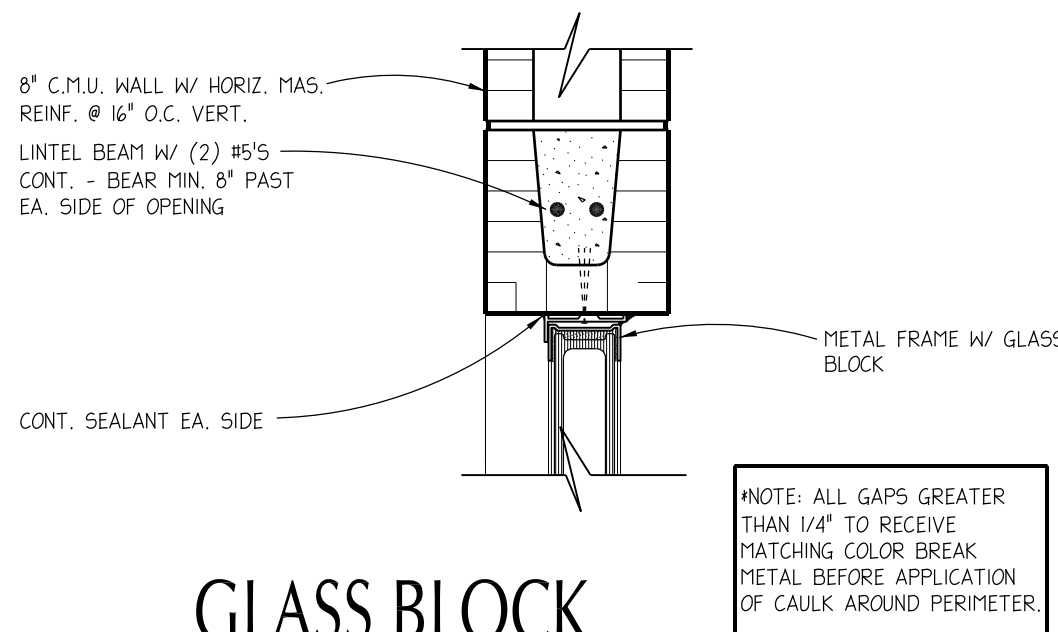


METAL FRAME WINDOW SILL

1 1/2" = 1'-0"

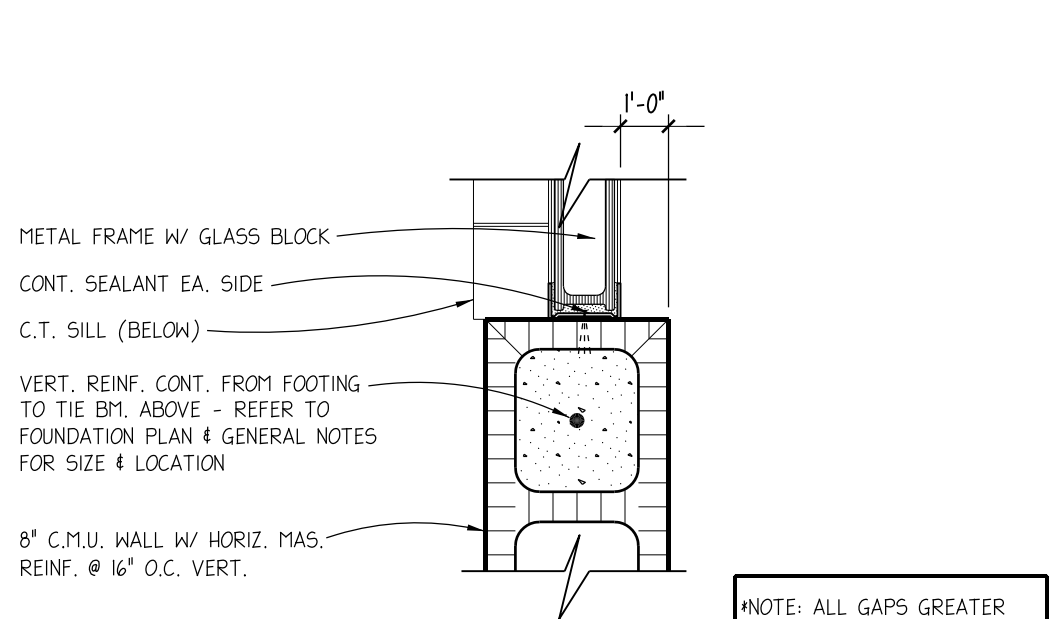
TYP. VANITY DETAIL

3/4" = 1'-0"



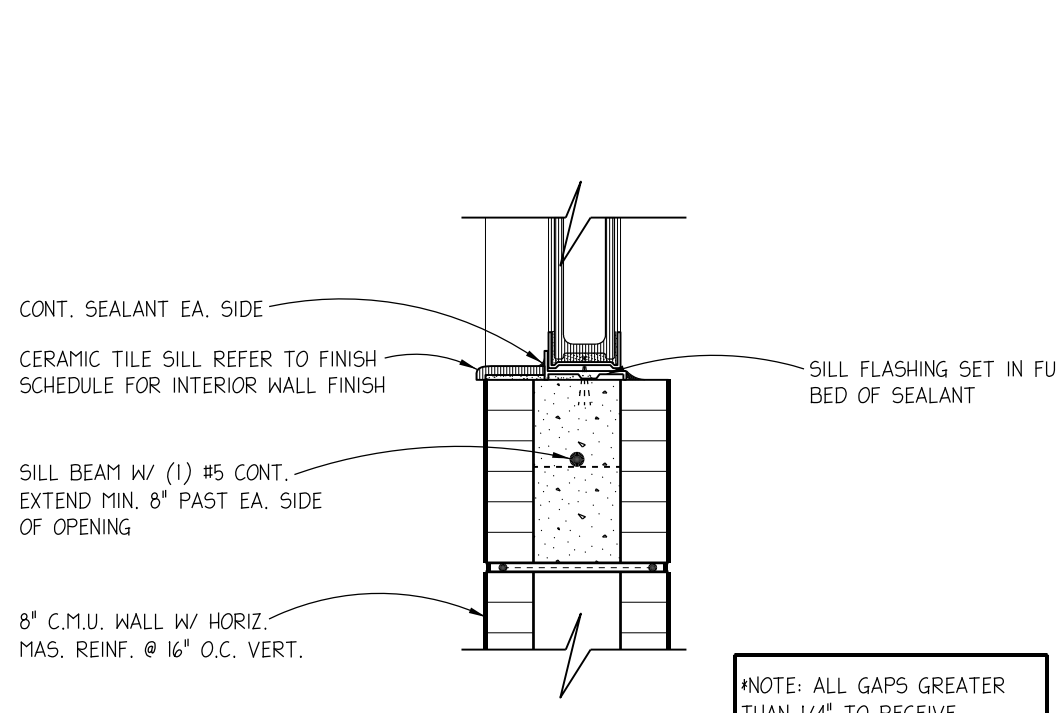
GLASS BLOCK WINDOW HEAD

1 1/2" = 1'-0"



GLASS BLOCK WINDOW JAMB

1 1/2" = 1'-0"

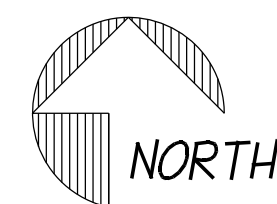


GLASS BLOCK WINDOW SILL

1 1/2" = 1'-0"



RENOVATED PARTIAL ARCHITECTURAL SITE PLAN

$$1/16'' = 1'-0''$$


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Y.M.C.A. - PROJECT PHASE A

**PROPOSED CABINS &
MINOR SITE IMPROVEMENTS
Y.M.C.A. CAMP MCCONNELL
MICANOPY, FLORIDA**

REVISIONS

ITEM:

DATE:

SHEET NO.

A.7

OF X

PAUL STRESING ASSOCIATES, INC.

3401 N.W. 98th St., Suite "C"
Gainesville, Florida 32606
E-MAIL psrsearch@atlantic.net
TELEPHONE: (352) 331-3630 FAX (352)331-3801
REGISTRATION NO. ARO013985 - CA NO. AA0003377

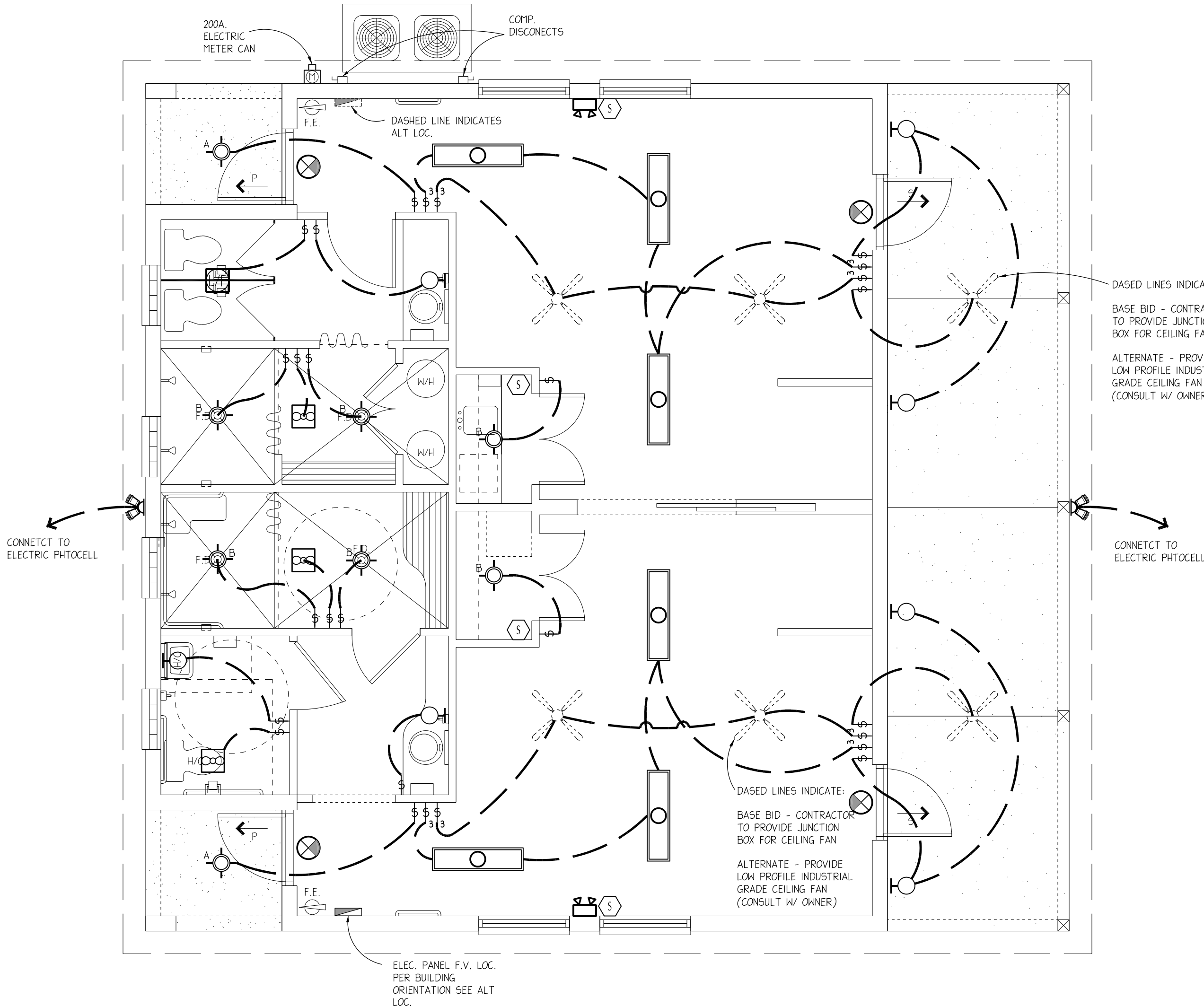
DRAWN BY:

J.M.A.

DATE: _____

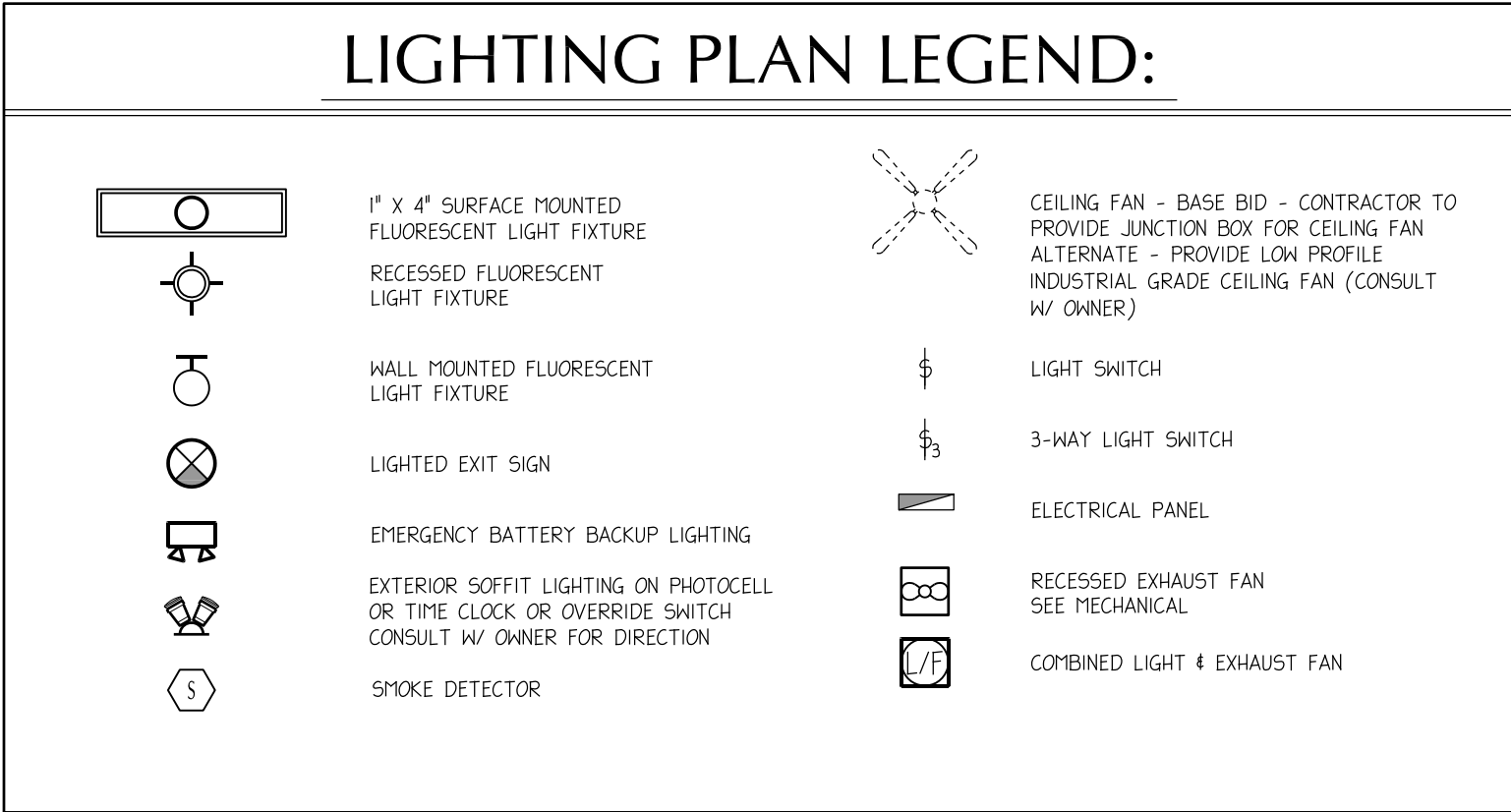
MARCH, 2002

PROJECT NO:
2001-36



LIGHTING PLAN

1/4" = 1'-0"

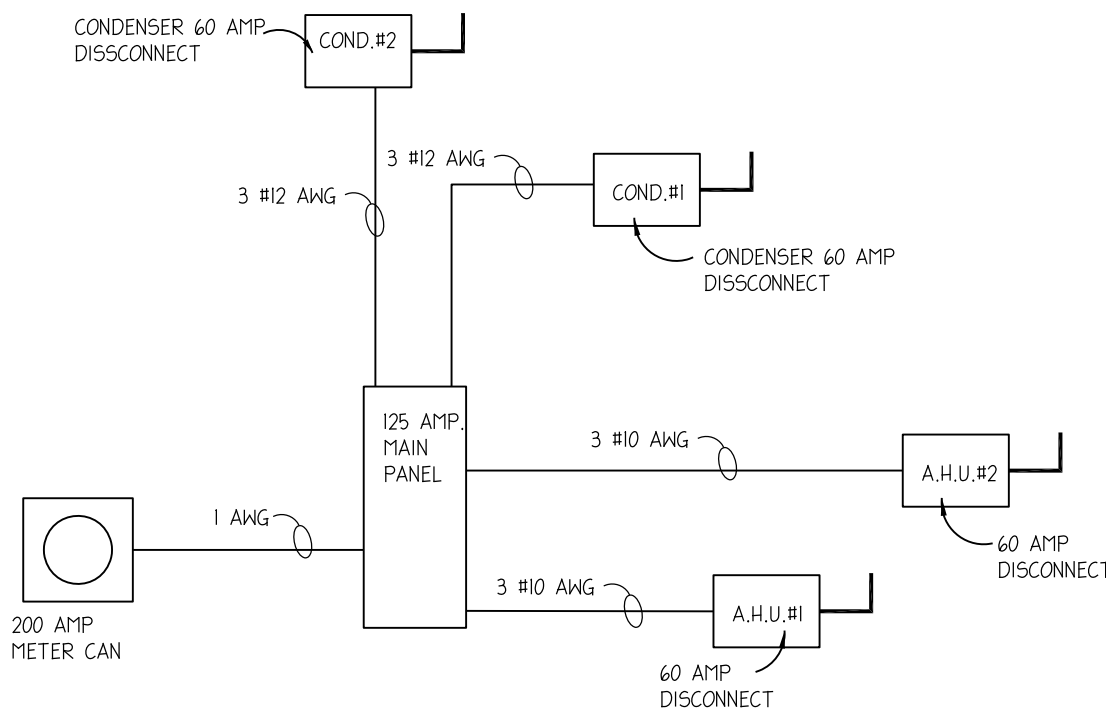


GENERAL NOTES (ELECTRICAL)

1. THE ELECTRICAL DESIGN TO BE BY ed nernans, neumann heating and a/c, inc. of gainesville, FLORIDA. UTILIZING THE ABOVE FIXTURE LOCATION LINE DIAGRAM. ALL FIXTURES & WIRING SIZES AS WELL AS ACCESSORIES & MISC. INCIDENTALS SHALL BE FULLY NOTED & DOCUMENTED IN THE FINAL SHOP DRAWINGS TO BE INCLUDED AS PART OF THE CLOSEOUT DOCUMENTS. DUE TO THE NATURE OF THE PROJECT THE SUB-CONTRACTOR MAY FIND IT NECESSARY TO MAKE FIELD ADJUSTMENTS TO COORDINATE AND/OR ACCOMMODATE SYSTEMS IN PLACE. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO COORDINATE INSTALLATION WITH THE CONTRACTOR. IF ANY CONFLICTS ARE ENCOUNTERED THE CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR DIRECTION.
2. SUBCONTRACTOR SHALL PROVIDE ELECTRICAL SERVICES AS REQ. TO ATTIC SPACE TO COMPLY W/ ALL LOCAL & STATE CODES & ORDINANCES. COORDINATE W/ CONTRACTOR FOR REQUIREMENTS.

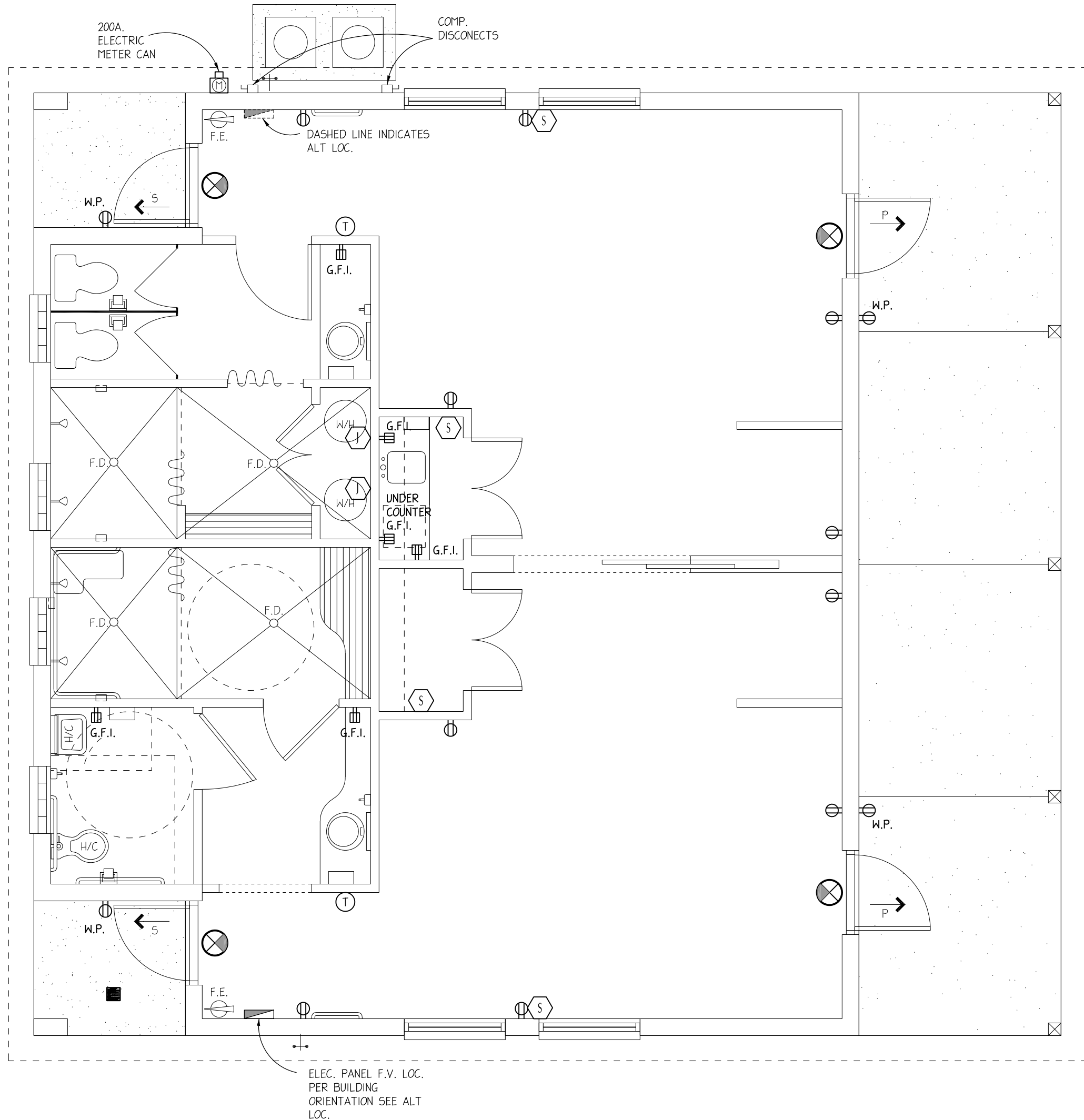
ELECTRICAL LOAD CALC.

- | | |
|--|-----------|
| 1. LIGHTING -----2 VA x 5.F. (1,156 S.F.)----- | 2,312 VA |
| 2. LIGHTING -----CONTINUOUS LOAD x 1.25----- | 2,890 VA |
| 3. LIGHTING -----DEMAND FACTOR----- | 1,445 VA |
| 4. A/C. --CONDENSORS ((2) 13 AMP 1 1/2 TON MOTORS)-- | 6,240 VA |
| --HEAT STRIPS ((2) @ 5 K.W. EA.)----- | 10,700 VA |
| 5. RECEPTILES--180 VA x EA. (18 TOTAL RECP.)----- | 3,420 VA |
| 6. COOKING EQUIP.-(2) WATER HEATERS----- | 7,000 VA |
| TOTAL----- | 28,805 VA |
| TOTAL AMPS-----28,805 VA / 240V= 120.02 AMPS | |



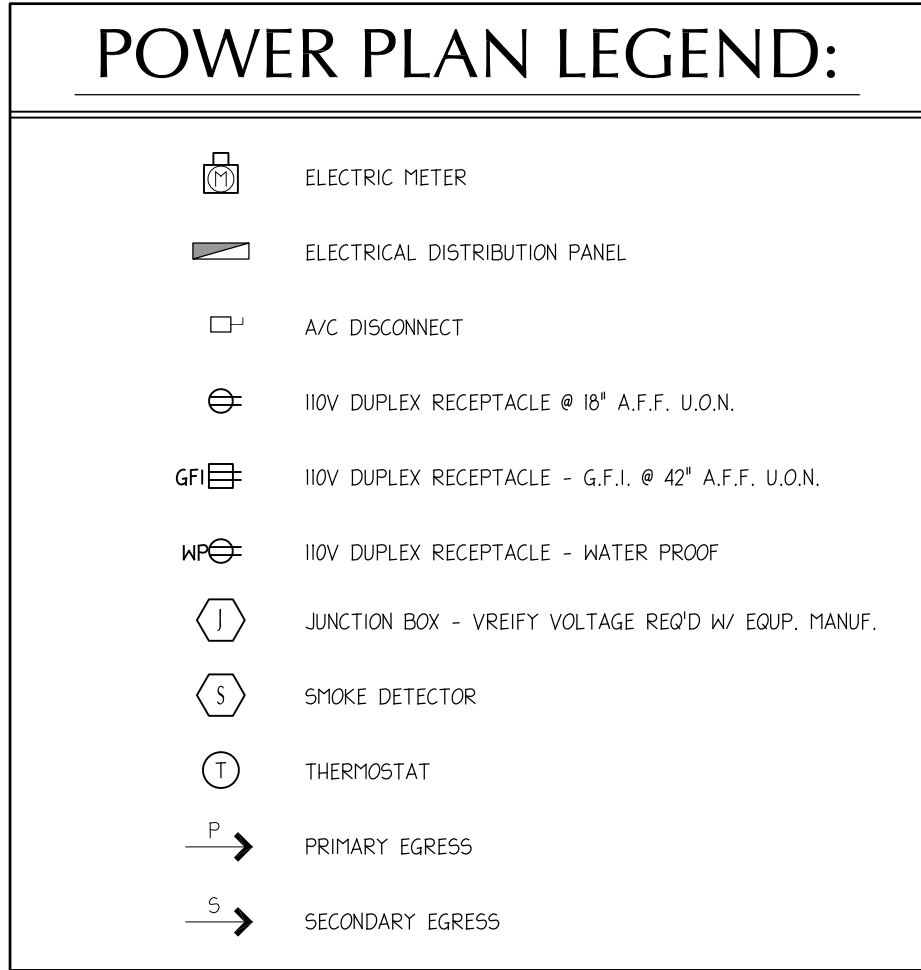
ELECTRICAL RISER DIAGRAM

NOT TO SCALE



POWER PLAN

1/4" = 1'-0"



GENERAL NOTES (ELECTRICAL)

1. THE ELECTRICAL DESIGN TO BE BY HINES ELECTRIC, INC., 2198 N. E. CR. 337, HIGH SPRINGS, FLORIDA, 32641. UTILIZING THE ABOVE FIXTURE LOCATION LINE DIAGRAM. ALL RECEPTILES & WIRING SIZES AS WELL AS ACCESSORIES & MISC. INCIDENTALS SHALL BE FULLY NOTED & DOCUMENTED IN THE FINAL SHOP DRAWINGS TO BE INCLUDED AS PART OF THE CLOSEOUT DOCUMENTS. DUE TO THE NATURE OF THE PROJECT THE SUB-CONTRACTOR MAY FIND IT NECESSARY TO MAKE FIELD ADJUSTMENTS TO COORDINATE AND/OR ACCOMMODATE SYSTEMS IN PLACE. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO COORDINATE INSTALLATION WITH THE CONTRACTOR. IF ANY CONFLICTS ARE ENCOUNTERED THE CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR DIRECTION.
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Y.M.C.A. - PROJECT PHASE A

PROPOSED CABINS &
MINOR SITE IMPROVEMENTS
Y.M.C.A. CAMP MCCONNELL
FLORIDA
MICANOPY,

REVISIONS

ITEM#

DATE

SHEET NO.

E.1

OF

X

PAUL STRESING ASSOCIATES, INC.

3401 NW 98th ST. SUITE 300
GAINESVILLE, FLORIDA 32606

E-MAIL: pstrsarch@atlantic.net
TELEPHONE: (352) 331-3830 FAX (352) 331-3801
REGISTRATION NO. AR00015866 - CA NO. AA000377

DRAWN BY:

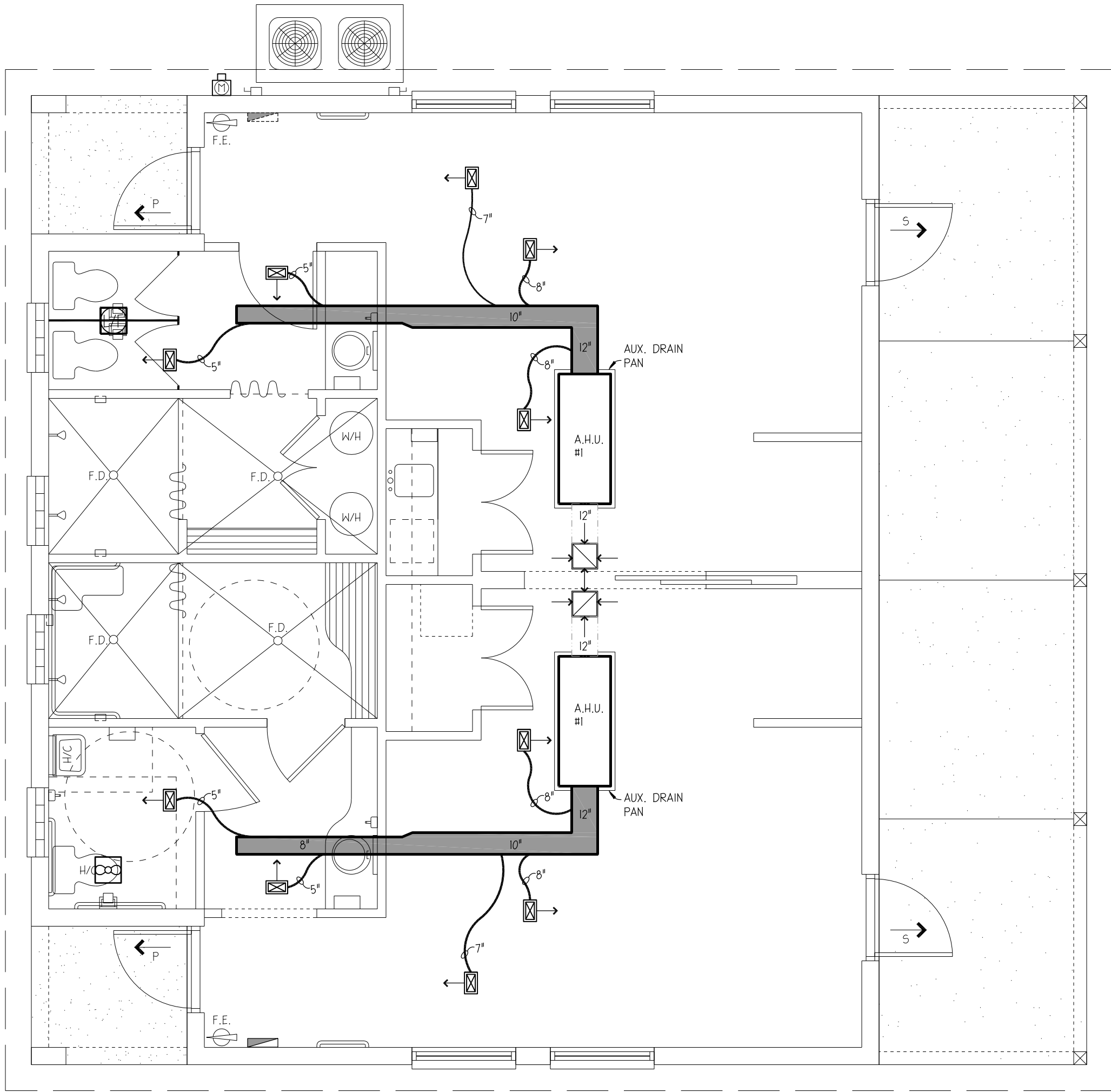
JMA

DATE

MARCH 2002

PROJECT NO.

2001-36



MECHANICAL PLAN

1/4" = 1'-0"

SECTION 15000 - MECHANICAL, GENERAL

- 1.0 GENERAL
- 1.01 Model Numbers: Catalog Numbers and Model Numbers indicated in the Drawings and Specifications are used as a guide in the selection of the equipment and are only listed for the Contractor's convenience. The Contractor shall determine the actual numbers for ordering materials in accordance with the written description of each item and with the intent of the drawings and specifications.
- 1.02 "As-Built" Record Drawings:
- A. At the commencement of the work, the Contractor will be furnished two complete sets of white prints of the mechanical and plumbing drawings. All corrections, variations and deviations to the drawings, including those required by change orders, if any, must be recorded in colored ink or colored pencil at the end of each working day on these prints which shall be available at all times for inspection. The Contractor shall submit one complete set of these white prints, marked as stated above, indicating the actual completed installation of the work included under this Division.
- B. After review, these prints will be returned to the Contractor and all these data shall be transferred to scale, by a competent draftsman, to reproducible tracings or copies of the original contract drawings.
- 1.03 Acceptance:
- A. Submit written confirmation that all punch lists issued during construction have been checked and the required work completed.
- B. Submit four (4) certified copies of the test and balance report, unless test and balance is performed under a separate contract.
- C. Submit a letter from an authorized representative of the air conditioning equipment manufacturer stating that all units have been checked and that the system is operating as intended.
- D. Bind maintenance instructions and parts lists in booklets.
- E. Acceptance will be made on basis of tests and observations of job. A representative of firm that performed test and balance work shall be in attendance to assist. Contractor shall furnish necessary mechanics to operate system, make any necessary adjustments and assist with final inspection.
- F. Submit schedule for equipment maintenance during guarantee period.
- 1.04 Clean-Up: Thoroughly clean all exposed parts of apparatus and equipment of cement, plaster, and other materials and remove all oil and grease spots. Repaint or touch up as required to look like new. Such surfaces are to be carefully wiped and all cracks and corners scraped out. Exposed metal to be carefully brushed down with steel brushes to remove rust and other spots and touch up with primer. During progress of work, Contractor shall clean up and leave premises and all portions of building free from debris and in a clean and safe condition. Brush out fins on all cooling and heating coils.
- 1.05 Guarantee and Service:
- A. The Contractor shall guarantee labor, materials and equipment for a period of one (1) year from Substantial Completion, or from Owner's occupancy, whichever is earlier and shall include all necessary adjustments to and replacement of defective items.
- B. Owner reserves the right to make emergency repairs as required to keep equipment in operation without voiding the Contractor's Guarantee Bond nor relieving Contractor of his responsibilities during guarantee period.
- C. In addition to the guarantee, the Contractor shall furnish maintenance for all new equipment during the guarantee period. The Contractor shall submit an itemized list of work to be performed during scheduled maintenance visits and dates visits will be made.
- 1.06 Systems Operation: The Contractor shall operate cooling and heating systems as required after initial startup for installation of ceilings, carpet, etc. (to prevent warping, sagging, etc.). The Contractor's one year warranty on equipment shall not begin until the date of substantial completion or Owner's occupancy, whichever occurs first.

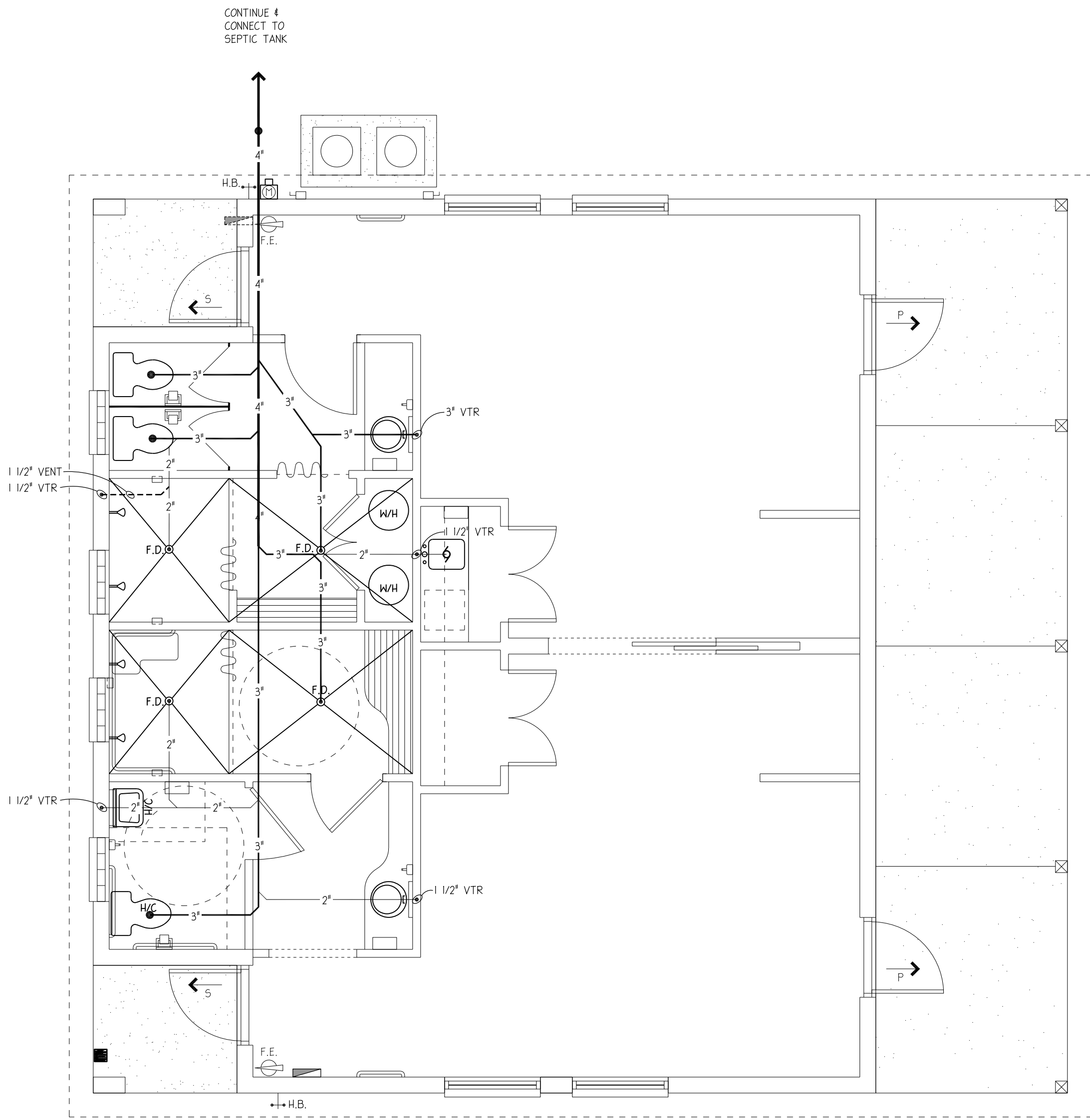
- 1.07 Workmanship: Equipment, fixtures and materials shall be installed by competent specialists in each trade. The work shall be done in an orderly manner allowing adequate space for servicing valves and equipment. Slipshod or untidy installation of equipment, fixtures or materials will not be accepted. It is the Contractor's responsibility to supervise the work with sufficient care to prevent unacceptable workmanship from occurring.
- 1.08 Submittals:
- A. Submittals shall be made in accordance with the General Conditions and Supplementary General Conditions of the Project Manual. Submittals shall include references to specification section number.
- B. Shop drawings, material lists, cuts and other data required for review shall be submitted for each section of Division 15 that indicates submittals are required. Submittals shall be by section in a single group.
- C. If any required items are omitted from this submittal, the Owner's representative shall select each item indicating producer, make, etc., and such decision shall be final.
- D. Submissions shall be made within thirty (30) days after "Notice to Proceed."
- 1.09 Installation Drawings:
- A. The Contractor shall submit dimensioned composite drawings drawn at a scale of 1/4" = 1'-0" showing all ductwork, piping and actual equipment to be installed. Drawings shall indicate ductwork and piping elevation and hanger locations. Installation shall not proceed until drawings have been reviewed and all conflicts resolved.
- B. The Contractor shall submit a dimensioned installation drawing of the central plant drawn at a scale of 3/8" = 1'-0" indicating locations of floor drains, size and location of equipment mounting pads, sleeves through floor and walls for piping. Location of hangers for piping and any other items supported from roof structure and location of boiler stack. Installation shall not proceed until drawings have been reviewed.
- 1.10 Asbestos: No product, material or process containing asbestos shall be permitted in this Division's work.
- 1.11 Hazardous Waste: The dispersal, discharge, escape, release or saturation of smoke, vapors, soot, fumes, acids, alkalis, toxic chemicals, liquids, gases or pollutant in or to the atmosphere, on, on, onto, upon, in or into the surface or subsurface soil, water, objects are not permitted by this Division's work.
- 1.12 Leads: Pipe, solder, flux or equipment which is used in the installation of providing water for human consumption shall be lead free.
- END OF SECTION.

SECTION 15003 - CODES AND REGULATIONS

- 1.0 GENERAL
- 1.01 Alachua County Codes and Ordinances, including Supplements:
- A. Florida Building Code, Life Safety, 2001
- B. Florida Building Code, Electrical, 2001
- C. Florida Building Code, most recent Edition, as well as any revisions thereafter
- D. Florida Building Code, Mechanical, 2001
- E. Florida Building Code, Plumbing, 2001
- F. ANSI A17.1, 1961 (R1971)
- 1.02 Americans with Disabilities Act, Accessibility Guidelines (ADAAG) and Florida Department of Community Affairs Accessibility Requirements Manual (CDAART) most stringent requirements.
- 1.03 Other Sections of Division 1500 contain code references governing specific equipment, materials and work.
- END OF SECTION.

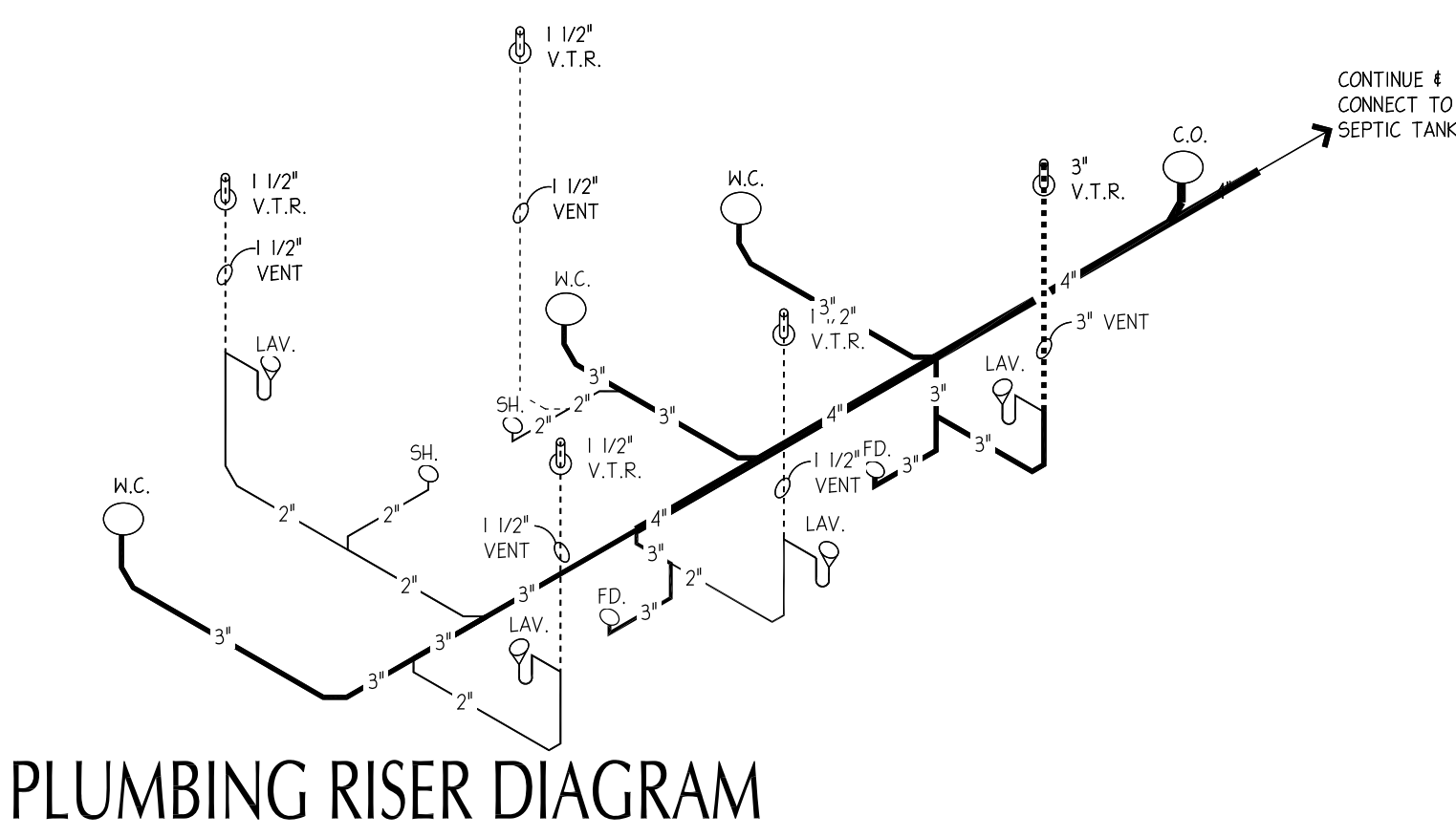
GENERAL MECH NOTES:

1. H.V.A.C. DESIGN TO BE BY ED NEMANS, NEMANS HEATING AND A/C, INC. OF GAINESVILLE, FLORIDA. UTILIZING THE ABOVE DUCT LOCATION LINE DIAGRAM. ALL DUCT AND GRILLE SIZES AS WELL AS ACCESSORIES & MISC. INCIDENTALS SHALL BE FULLY NOTED & DOCUMENTED IN THE FINAL SHOP DRAWINGS TO BE INCLUDED AS PART OF THE CLOSEOUT DOCUMENTS. DUE TO THE NATURE OF THE PROJECT THE SUB-CONTRACTOR MAY FIND IT NECESSARY TO MAKE FIELD ADJUSTMENTS TO COORDINATE AND/OR ACCOMMODATE SYSTEMS IN PLACE. IT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO COORDINATE INSTALLATION WITH THE CONTRACTOR. IF ANY CONFLICTS ARE ENCOUNTERED THE CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR DIRECTION.
2. A.H.U.'S #1 & #2 ARE LOCATED IN ATTIC SPACE. PROVIDE AUX. DRAIN PANS AS REQ'D. AND CONNECT TO PLUMBING WASTE SYSTEM.
4. MECHANICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY ENERGY CALCULATIONS REQUIRED FOR PERMIT & D.O.E. APPROVAL.
- SUPPLY AIR GRILLE SIZED BY MECH. CONTRACTOR
- RETURN AIR GRILLE SIZED BY MECH. CONTRACTOR
- SUPPLY DUCT SIZED BY MECH. CONTRACTOR
- RETURN DUCT SIZED BY MECH. CONTRACTOR
- COMPRESSOR



PLUMBING PLAN

1/4" = 1'-0"



NOT TO SCALE

1. PROVIDE 4" DEEP SEAL TRAPS AT ALL FLOOR DRAINS AND FLOOR SINKS.
2. WHERE WALLS, CEILINGS AND FLOORS ARE PENETRATED FOR THE INSTALLATION OF PIPING, THEY SHALL BE MADE WATERTIGHT. NO ROUGH OPENINGS WILL BE ALLOWED. REPLACE, REPAIR AND PATCH ALL DAMAGED SURFACES TO MATCH ADJACENT MATERIALS.
3. ALL COPPER PIPING UNDER CONCRETE FLOOR SLABS OR IN MASONRY WALLS SHALL HAVE VINYL SLEEVES UNBROKEN FOR THE FULL LENGTH OF THE PIPE. ISOLATE ALL COPPER PIPING FROM PIPE HANGERS AND ANY OTHER DISSIMILAR MATERIALS.
4. CONTRACTOR TO VERIFY ALL FIXTURE ROUGH-IN LOCATIONS WITH ARCHITECT.
5. SANITARY AND VENT PIPING 3" OR LARGER SHALL SLOPE 1/8" PER FOOT UNLESS OTHERWISE NOTED. PIPING LESS THAN 3" SHALL SLOPE 1/4" PER FOOT. CONTRACTOR SHALL DETERMINE INVERT AND DISTANCE PRIOR TO INSTALLATION.
6. VENT PIPES THROUGH ROOF SHALL BE OFFSET A MINIMUM OF 5'-0" FROM ALL PARAPET AND VERTICAL WALLS AND EDGE OF ROOF. VENT TERMINATION SHALL BE MINIMUM OF 10'-0" FROM ANY HVAC OUTSIDE AIR INTAKE(S).

PLUMBING GENERAL NOTES

7. PROVIDE CHROME PLATED STOPS AT ALL PLUMBING FIXTURES AND KITCHEN EQUIPMENT.
8. COORDINATE PIPING LOCATIONS WITH STRUCTURAL, HVAC AND ELECTRICAL TRADES. DETERMINE PIPING LOCATIONS AND CONFIGURATIONS WITH ALL OTHER TRADES PRIOR TO FABRICATION. CONTRACTOR SHALL VERIFY THAT ALL PIPING IS LOCATED TO FISS LIGHTING, ELECTRICAL CONDUITS, HVAC, PLUMBING, ETC.
9. 50/50 SOLDER NOT ALLOWED.
10. CONTRACTOR SHALL INSTALL ALL PLUMBING RELATED WORK IN STRICT ACCORDANCE WITH THE MOST RECENT EDITION OF THE NATIONAL PLUMBING CODE AND ALL APPLICABLE STATE AND LOCAL CODES, ORDINANCES, ETC.
11. CHROME PLATED BRASS ESCUTCHEONS SHALL BE REQUIRED AT ALL FINISHED WALL PIPE PENETRATIONS.
12. COORDINATE BUILDING UNDERGROUND SANITARY, WATER AND STORM WATER PIPING WITH OWNER. DETERMINE ALL INVERT ELEVATIONS BEFORE PIPE INSTALLATION.
13. VERIFY LOCATION OF ALL HANDICAPPED PLUMBING FIXTURES WITH ARCHITECTURAL DRAWINGS.
14. PLUMBING DESIGN TO BE BY JOHN CHURCH, CHURCH'S PLUMBING, INC., OF GAINESVILLE, FLORIDA. UTILIZING THE ABOVE WASTE LINE LOCATION DIAGRAM. ALL WASTE & VENT LINE SIZES AS WELL AS ACCESSORIES & MISC. INCIDENTALS SHALL BE FULLY NOTED & DOCUMENTED IN THE FINAL SHOP DRAWINGS TO BE INCLUDED AS PART OF THE CLOSEOUT DOCUMENTS. DUE TO THE NATURE OF THE PROJECT THE SUB-CONTRACTOR MAY FIND IT NECESSARY TO MAKE FIELD ADJUSTMENTS TO COORDINATE AND/OR ACCOMMODATE SYSTEMS IN PLACE. IT IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO COORDINATE INSTALLATION WITH THE CONTRACTOR. IF ANY CONFLICTS ARE ENCOUNTERED THE CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR DIRECTION.
15. ALL TOILETS SHALL BE TANK TYPE W/ TAMPER RESISTANT LIDS