

McKee and Associates  
Architecture and Interior Design

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# Addendum

No. TWO Date: 12/13/10

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Project: PHYSICAL EDUCATION FACILITIES  
FOR MARBURY HIGH SCHOOL  
FOR THE AUTAUGA COUNTY  
BOARD OF EDUCATION  
PRATTVILLE, ALABAMA

PROJECT NO. 10-166  
BC # 2010979

## A2.1 GENERAL

- A. The following changes and/or substitutions to the plans and specifications are hereby made a part of same and are incorporated in full force as part of the contract.
- B. Bidders shall acknowledge receipt of this Addendum in writing on his Proposal Form.

## A2.2 SPECIFICATIONS

- A. **Delete** Section 07115, Bituminous Dampproofing.
- B. Add **Section 07115, Waterproofing** herein.
- C. Refer to **Section 02730, Sanitary Sewers – Septic Systems:**  
  
Add the following **Supplemental Drawings SD1, SD2 and Computations for Septic System.**
- D. The furnishing and installation of **Section 10350, Flagpoles**, shall be included in **Proposal “B” and Proposal “I”**.
- E. **Clarification:** Proposal “A” shall be responsible for the ADEM requirements as specified in Section 02100.
- F. The furnishing and installation of **Section 02720, Storm Sewers**, shall be included in **Proposal “A”**.

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McKee and Associates

## A2.3 DRAWINGS

- A. See the attached **Supplemental Drawings SD3 and SD4** for revisions to Sheet A-3.0.
- B. See the attached letter (dated Dec. 13, 2010) and **Supplemental Drawings SD5, SD6 and SD7** from Gunn and Associates regarding changes to the Sheet E2.2 and E4.1.
- C. Refer to **Sheet M-1**: See the attached **Supplemental Drawings SD8, SD9, SD10 and SD11** for revisions.
- D. Refer to **Sheet P-1**: See the attached **Supplemental Drawings SD12 and SD13** for revisions.
- E. Refer to **Sheet A-5.0**, Door Schedule: Door 105 shall be a Type "A" door.
- F. Refer to **Sheet A-1.0**:
  - 1) See the attached **Supplemental Drawing SD14** for Detail at Bullpen Surround.
  - 2) **Clarification**: All concrete pads and foundations at the Softball and Baseball Batting Cages shall be included in Proposal "B" and "I".
- G. **Clarification**: Areas to receive the split faced CMU are as identified on Sheet A-3.0 and Sheet A2.0 (spectator side of backstop wall).
- H. **Clarification**: The foam inserts shall only occur in the cells of the outside CMU walls that protect the heated spaces at the Male and Female Phy. Ed Buildings.
- I. **Clarification**: The ceramic tile walls and base shall omny occur at the 3 walls of the Male Shower.
- J. Refer to **Sheet C-1**:  
**Clarification**: The areas outside of the graded areas at both ballfields to the fencing shall be disced for Owners sod installation. This shall be included in Proposal "A".

END OF ADDENDUM TWO

## SECTION 07115 - WATERPROOFING

### PART 1 - GENERAL

#### RELATED DOCUMENTS:

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division-1 Specification sections, apply to work of this section.

#### DESCRIPTION OF WORK:

Extent of each type of waterproofing work is indicated on drawings.

Types of waterproofing specified in this section include the following:

Bentonite waterproofing system subsurface drainage fabric and collector pipe.

#### QUALITY ASSURANCE:

Manufacturer: Obtain primary waterproofing materials of each type required from a single manufacturer, to greatest extent possible. Provide secondary materials only as recommended by manufacturer of primary materials.

Installer: Firm with not less than 3 years of successful experience in installation of waterproofing similar to requirements for this project and which is acceptable to manufacturer of primary waterproofing materials.

#### SUBMITTALS:

Product Data: Submit product data and general recommendations from waterproofing materials manufacturer, for types of waterproofing required. Include data substantiating that materials comply with requirements.

#### JOB CONDITIONS

Substrate: Proceed with work after substrate construction openings, and penetrating work have been completed.

Weather: Proceed with waterproofing and associated work only when existing and forecasted weather conditions will permit work to be performed in accordance with manufacturers' recommendations and warranty requirements.

## WARRANTY

Provide 10 year written warranty signed by product manufacturer agreeing to repair or replace the system to a waterproof condition at no cost to the Owner. Warranty shall cover all labor and materials for the full period of warranty.

In addition to above manufacturers' warranty, General Contractor shall provide a 2 year written warranty, agreeing to the same requirements stated for product manufacturer's warranty.

## PART 2 - PRODUCTS

### MATERIALS:

Collector Pipe: Provide, where indicated, standard Schedule 40, perforated, PVC pipe.

Drainage Fabric: Provide, where indicated, layer of subsurface drainage fabric with geotextile filter layer bonded to one side of drainage fabric. Drainage fabric with geotextile filter shall be equal to J-Drain 100 by JDR Enterprise, Inc., Alpharette, Ga. 30201.

Waterproofing Membrane: Provide, where indicated, a composite membrane of Bentonite laminated to sheet high density polyethylene (H.D.P.E.). Composite membrane shall be equal to Paraseal by Paramount Technical Products, Inc., Spearfish, S. D. 57783.

### MISCELLANEOUS MATERIALS

Adhesives: Provide types of adhesive compound and tapes recommended by waterproofing system manufacturer, for bonding to substrate (if required), for waterproof sealing of seams in membrane, and for sealing of joints between waterproofing and flashings, adjoining surfaces and projections through waterproofing.

Fasteners: Provide type of fasteners recommended by waterproofing system manufacturer.

Flashing Materials: Except as otherwise indicated, provide types of material for flashing as recommended by waterproofing system manufacturer.

Protection Course: Where shown, provide type recommended by waterproofing system manufacturer, unless another type is indicated; include adhesives recommended by manufacturer.

### PART 3 - EXECUTION

#### PREPARATION:

Prior to installation of waterproofing and associated work, meet at project site with Installer of each component of associated work, inspection and testing agency representatives (if any), and installers of work requiring coordination with waterproofing work. Review material selections and procedures to be followed in performing work.

#### INSTALLATION:

Comply with manufacturer's instructions for handling and installation of waterproofing materials.

Coordinate installation of waterproofing materials and associated work to provide complete system complying with combined recommendations of manufacturers and installers involved in work. Schedule installation to minimize period of exposure of waterproofing materials.

Extend waterproofing system and flashings as shown over area indicated to be waterproofed. Seal to projections through waterproofing and seal seams. Fasten to vertical surfaces and also, where shown or recommended by manufacturer to horizontal surfaces.

#### PERFORMANCE REQUIREMENTS:

It is required that waterproof systems are watertight and not deteriorate in excess of limitations published by manufacturer.

#### PROTECTION:

Institute required procedures for protection of completed system during installation of other work and throughout remainder of construction period.

END OF SECTION 07115

10-90

CEP-2

NOTE: This is an application ONLY. Completion DOES NOT constitute an approval or permit to install or approval for use.

APPLICATION For A Permit To Install (Repair) SMALL FLOW ONSITE SEWAGE DISPOSAL SYSTEM For a System of Total Flow Less than 1201 gpd

For Department Use Only



ALABAMA DEPARTMENT OF PUBLIC HEALTH [ ] New [ ] Repair

County Health Department Co. Health Dept. I.D. No. Date Received

Date Fee Paid Fee Amount Fee Code Receipt No.

PART A To Be Completed and Signed By the Owner/Authorized Agent

(1) Owner Name: Autauga Co. Bd. of Ed. (2) Daytime Phone: ( ) 365-5706 office (3) Alternate Phone: ( ) 850-2617 cell (4) Property's -E911 Address (or directions if address not available): NEW MARBURY HIGH SCHOOL

(5) City: Pine Level (6) County: Autauga (7) State: AL (8) Zip:

(9) Property Size: 50+ acre(s) (10) Water System serving site: MARBURY [X] Public [ ] Private

If this property is within a Large Flow Development complete Items 11 - 15:

(11) Name of Development: (12) Plat/Phase/Addition/Sector: (13) Block: (14) Lot: (15) Health Dept. Site Preparation Plan (including CEP-3 Part A Phase 3) has been reviewed [ ] Yes [ ] No

(Note: The Developer can provide Site Preparation Plan information relative to this lot)

If this system will serve a dwelling(s), complete Items 16 - 23 with the total quantity of each:

(16) Site built (permanent) Dwelling(s): (17) Manufactured Home (mobile, double wide): (18) Number of bedrooms: (19) Basements: (20) Garbage Disposals: (21) Spa/Hot Tubs: gallons (22) Wells/Potable Springs: (23) Swimming pool:

(this includes irrigation wells)

If this system will serve an establishment(s), complete Items 24 - 28 and include a floor plan drawn to scale:

(24) Number of buildings to be affected by this project: (25) Use of Building(s): Baseball & Softball Dressing Room (HOME TEAMS ONLY) (restaurant, church, school, etc.) (26) Number of Patrons/day: 40 (27) Number of Employees: (28) Number of Shifts:

PLEASE READ BEFORE SIGNING: By signing this application, I am stating that the information in this part is complete, true and correct; and that the OSS will be installed according to the design as approved by the ADPH and will be maintained according to the manufacturer's recommendation, the operation and maintenance plan, and the Permit. I understand that the property named in this application shall not be further divided, or the system thereon modified in any way, without approval by the Health Department. I acknowledge that the person who installs (repairs) and certifies this onsite system must be a licensed installer or individual who is in compliance with the provisions of state law, specifically Act 99-571 (Code of Ala., 1975, Title 34, Chapter 21A, Sections 1-26), as enacted, and as implemented. I do hereby give permission to the health department to enter onto the property, at reasonable hours, for the purpose of processing this application.

[ ] Owner [X] Authorized Agent: Signature: Patricia A. Marbury Date: Dec. 8, 2010

Mailing Address: 822 So. McDermott St.

City: Montgomery State: AL Zip: 36104

### CEP-2

NOTE: This is an application ONLY. Completion DOES NOT constitute an approval or permit to install or approval for use.

## APPLICATION CONTINUED - Small Flow

Owner Name or Location MARLBURY HIGH SCHOOL

### PART B - System Layout

(29) Designed system is:  Engineered  Conventional

(30) Size of lot (excluding easements): 50 AC sq. ft.

(31) Sanitary Sewer is NOT available to this lot

(32) Plot plan drawn to scale attached  (required with all applications)

Lot dimensions/size/property lines

Location/dimensions of structures

Utilities/easements/water lines

Surface waters/drainage features

Well locations

Landfill, dump, cave, or sinkhole

Location of all soil test sites

Location of OSS & REDF

Layout of OSS

Max/Min trench depth

Aggregate & cover

% slope & direction

Relative ground elevations

Location of embankments/cut/fill

Depth of fill

(33) Construction Plan attached (See Rule 420-3-1-.15)

Engineered system applications must include a CONSTRUCTION PLAN which shall be certified by an engineer.

NOTE: A construction plan is not required for a system generating 1200 gallons or less of sewage (not high strength sewage) a day proposing to use a conventional onsite sewage disposal system.

### Property Location Information

Vicinity Map If available - Section: 17 T 19 R 16

If available - Latitude (degrees/minutes/seconds) \_\_\_\_\_ Longitude (degrees/minutes/seconds) \_\_\_\_\_

### Application Attachments:

Legal Description or Certified Copy of Deed  Engineer Calculations (engineered design) Establishment BOD/TSD lbs/day

### FOR ENGINEER DESIGNED SYSTEMS:

Last Name - PRINT or TYPE \_\_\_\_\_ First Name \_\_\_\_\_ Firm Name \_\_\_\_\_  
Street or PO Box \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_ Telephone Number \_\_\_\_\_

I certify that the design features of the OSS at the address above have been designed, specified, or approved by me, and conform to design principles applicable to such projects. In my professional judgment, this system, when properly constructed, operated and maintained, will achieve the established performance standards and comply with applicable statutes of the State of Alabama and the ADPH.

Signature \_\_\_\_\_ Date \_\_\_\_\_

For applicable professionals - AL Registration No.: \_\_\_\_\_  License Photocopy attached

### FOR CONVENTIONAL DESIGNED SYSTEMS:

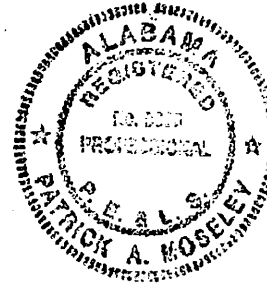
Engineer  Land Surveyor  Geologist  Soil Classifier  PHESS  Other \_\_\_\_\_

Moseley Patrick Prof. Engr. Consultants, Inc  
Last Name - PRINT or TYPE First Name Firm Name (if applicable)  
822 S. McDermott St. Montgomery AL 36104 262-7307  
Street or PO Box City State Zip Code Telephone Number

I certify that the design features of the OSS at the address above have been designed, specified, or approved by me, and conform to design principles applicable to such projects. In my professional judgment, this system, when properly constructed, operated and maintained, will achieve the established performance standards and comply with applicable statutes of the State of Alabama and the ADPH.

Signature Patrick A Moseley Date Dec. 8, 2010

For applicable professionals - AL Registration No.: 5935  License Photocopy attached



### PART C - Site Evaluation

CEP 2/3 Part C Site Evaluation Form attached

CEP2/3 Part C

Name of Establishment/Development MARLBURY HIGH SCHOOL

Location/Address \_\_\_\_\_

SITE EVALUATION

Soil Classifier  Engineer  Land Surveyor  Geologist  PHESS - CEP2 only

Percolation  Unified  Mapping  Morphology

NOTE: All percolation results must be reported. All testing methods and results are subject to verification by the ADPH.

1. Unified / Morphology Method / Soil Boring Data for Percolation Method  
(Attach Additional Sheets As Needed)

Hole No.	Layer ID/ Horizon*	Depth Of Up/Lo Boundary	Dominant Color Of Each Layer	Mottles, Redox, Etc	Texture*	Texture Group*	Other	
1.	0-2"		Sandy topsoil					
	2"-48"		Orange Sand					
Field Sizing @ _____ mpi		Restriction Depth (in.)	Restriction Type (circle): ASHES Rock Pan Water Indicator Other		Minimum Vertical Separation Distance (in.) (Table 15)			
2 3 4	same as #1							
	Field Sizing @ _____ mpi		Restriction Depth (in.)	Restriction Type (circle): ASHES Rock Pan Water Indicator Other		Minimum Vertical Separation Distance (in.) (Table 15)		
	Field Sizing @ _____ mpi		Restriction Depth (in.)	Restriction Type (circle): ASHES Rock Pan Water Indicator Other		Minimum Vertical Separation Distance (in.) (Table 15)		

\* Required for Unified/Morphology Method only

ADPH-CEP2/3 Part C Version 6-06

### CEP2/3 Part C

### 2. Percolation Test Data (Attach Additional Sheets As Needed)

Engineer Simulated Wet Season Testing <input type="checkbox"/> No <input type="checkbox"/> Yes	Percolation Hole No.	Date Of Percolation Tests	Beginning / End Time Of Saturation	Beginning / End Time Of Testing	Total Depth of Hole	Depth From Surface To Restriction	Stabilized Percolation Rate in Min. per inch
	1	11/19/10		11AM-1PM	48"		5
	3	11/19/10		11AM-1PM	48"		5

3. Professional Soil Classifier Certified Soil Mapping data attached

#### SITE EVALUATOR

Primary EDF design is limited by the most restrictive test result, which is recorded as Hole # 1.

I, PATRICK A. MOSELEY a (professional engineer, surveyor, soil classifier or geologist)  
Print/Type Name

do hereby certify that the above and/or attached evaluations/soil tests were conducted as specified in the Onsite Sewage Treatment and Disposal, Chapter 420-3-1, and are true and accurate as presented.

Signature Patrick A. Moseley Date 12/8/10 Registration No. AL 5935

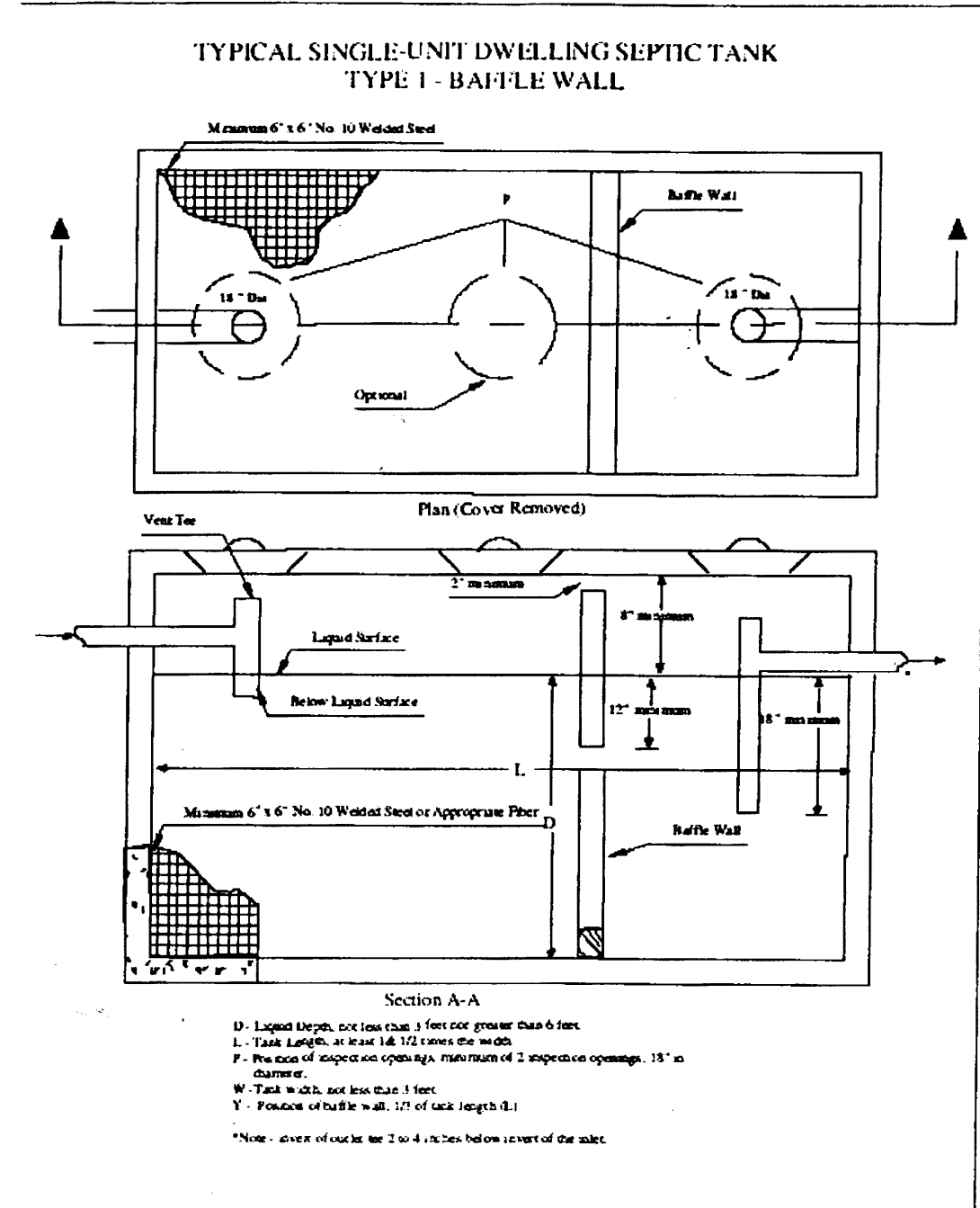
Address 822 S. McDonough St City Montgomery State AL Zip 36104

Phone 262-7307 Fax 262-7309 E-mail \_\_\_\_\_

Firm Name PROF. ENGR. CONS. INC Address same City same State \_\_\_\_\_ Zip \_\_\_\_\_

### Appendix B

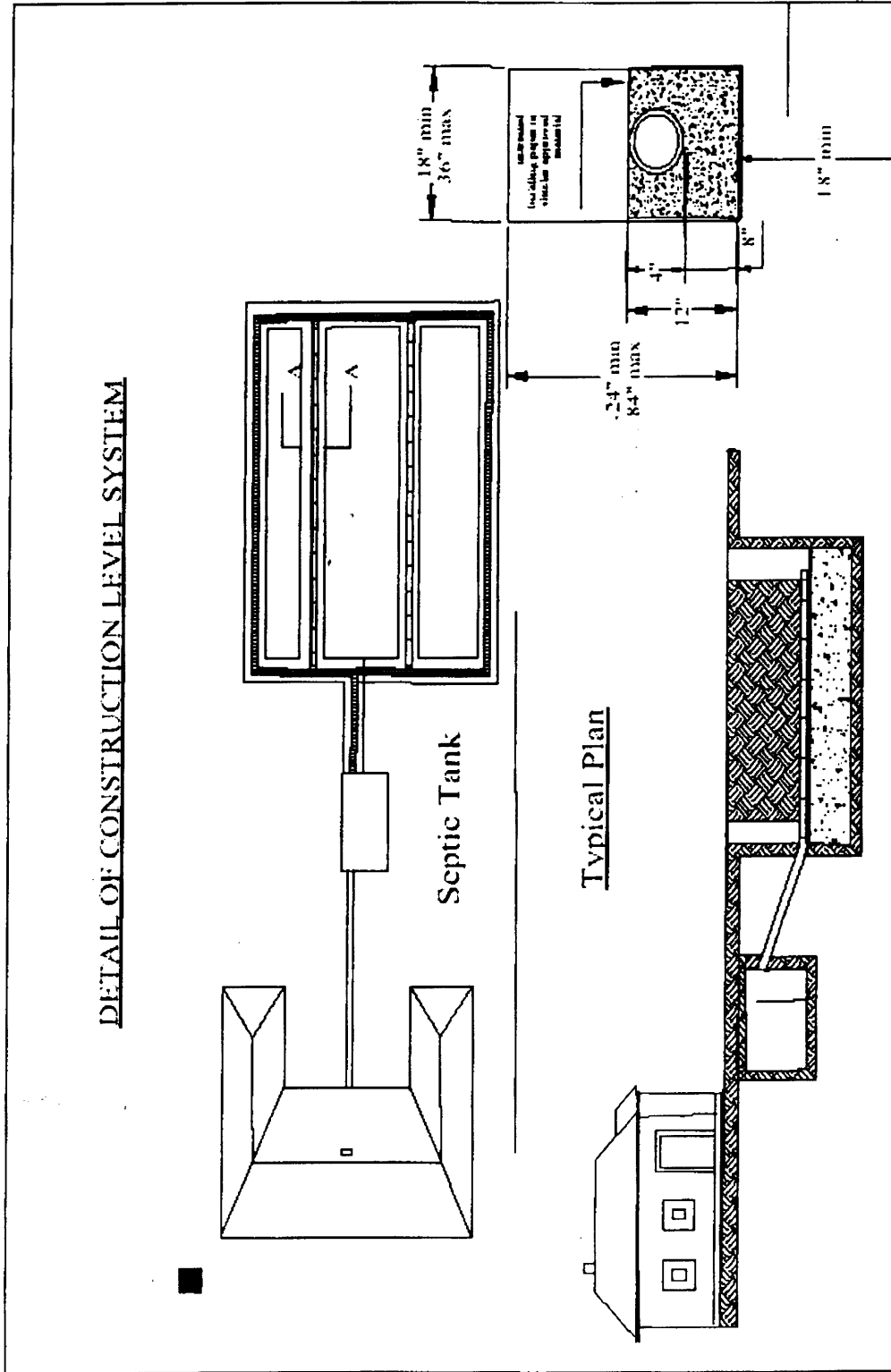
### Figure 7



SD1

Appendix B

Figure 1



705

COMPUTATIONS FOR SEPTIC SYSTEM

DEC 8, 2010

Team Dressing Room @ Baseball and Softball Fields  
 Home Teams Only - No Public Access -  
 Public has facilities at football field  
 Septic System used at games and practice

Lets assume 20 people for baseball and 20 people  
 for softball.

Use figures for Picnic Areas = 5 gal/person

$20 \times 5 = 100 \text{ gal.}$  - Use 100 gal. septic tanks  
 as a minimum

Perc. rate = 5 min/inch - 1.5 gal/SF

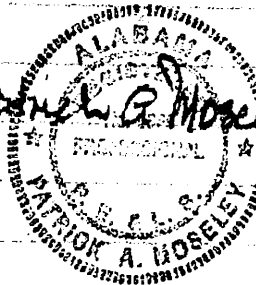
$$\frac{1 \text{ SF}}{1.5 \text{ gal}} = \frac{\text{SF}}{100 \text{ gal}} \quad \therefore \frac{100}{1.5} = 67 \text{ SF}$$

If 24" wide would take  $67/2 = 34 \text{ LF.}$

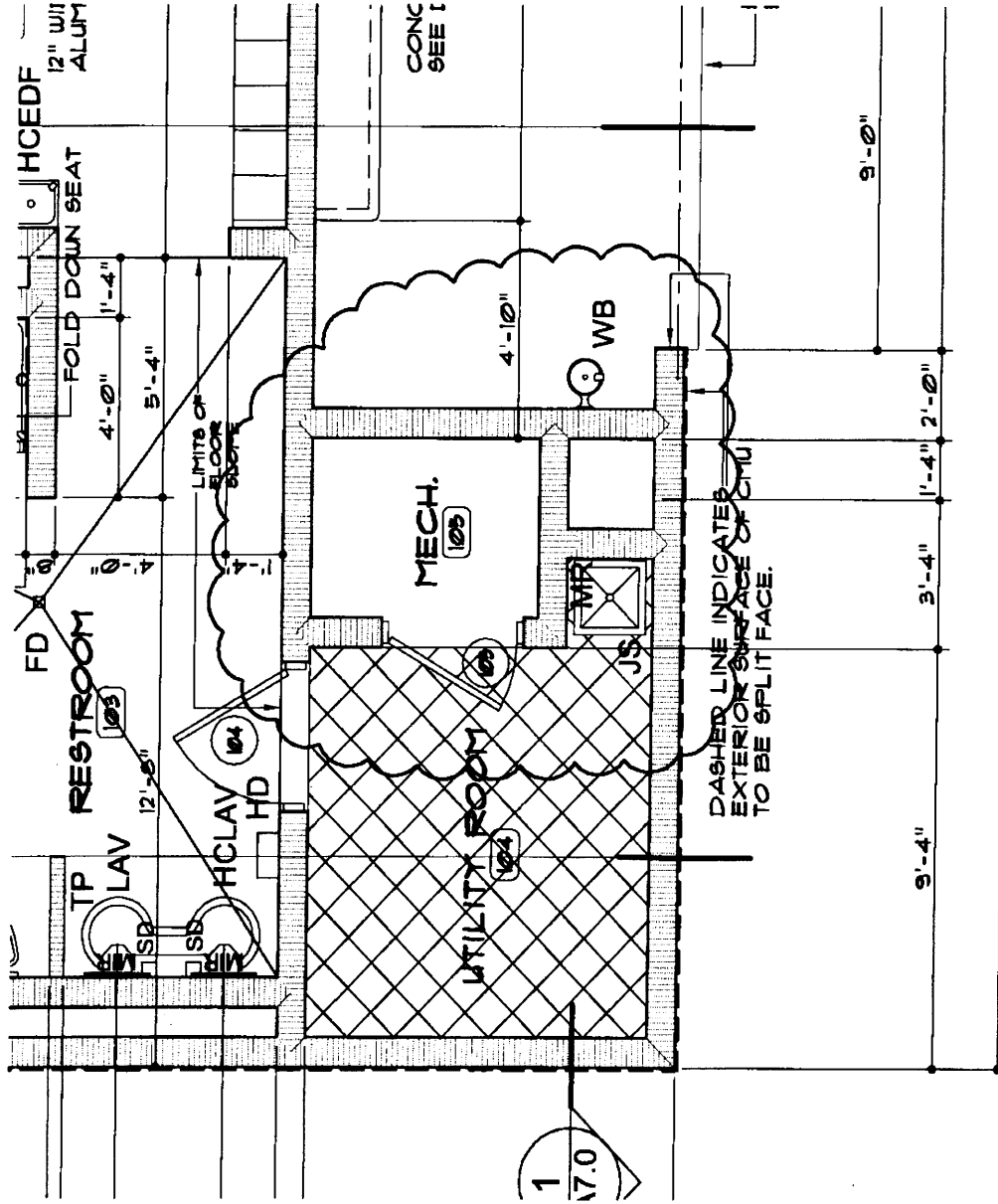
Use 200' of 24" wide as a minimum.

Because of locations I have shown a 100 gal.  
 tank and 200' of field lines for each field.

By: Patrick A. Moseley PE



SD3

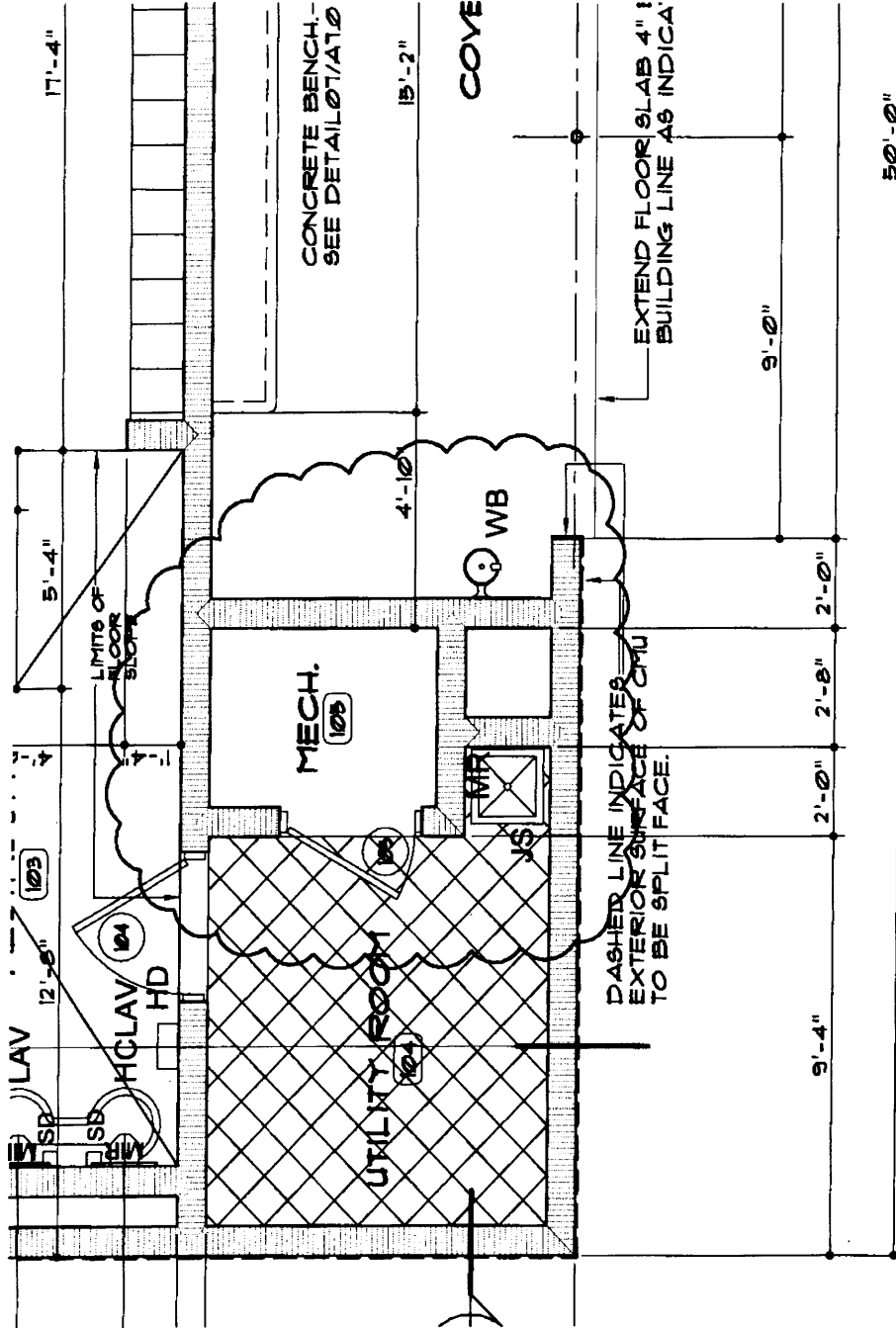


01 MALE AUX. PHY

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

1,167 S.F.

# SD4



## Ø 2 FEMALE AUX. PHY

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

1,167 S.F.

December 13, 2010

McKee and Associates  
631 South Hull Street  
Montgomery, AL 36104

Attention: Mr. Keith Ross

RE: Marbury H.S. Phys Ed Facilities  
Marbury, AL

Keith:

Please issue the following electrical related items in your next addendum:

**ELECTRICAL:**

**DRAWINGS:**

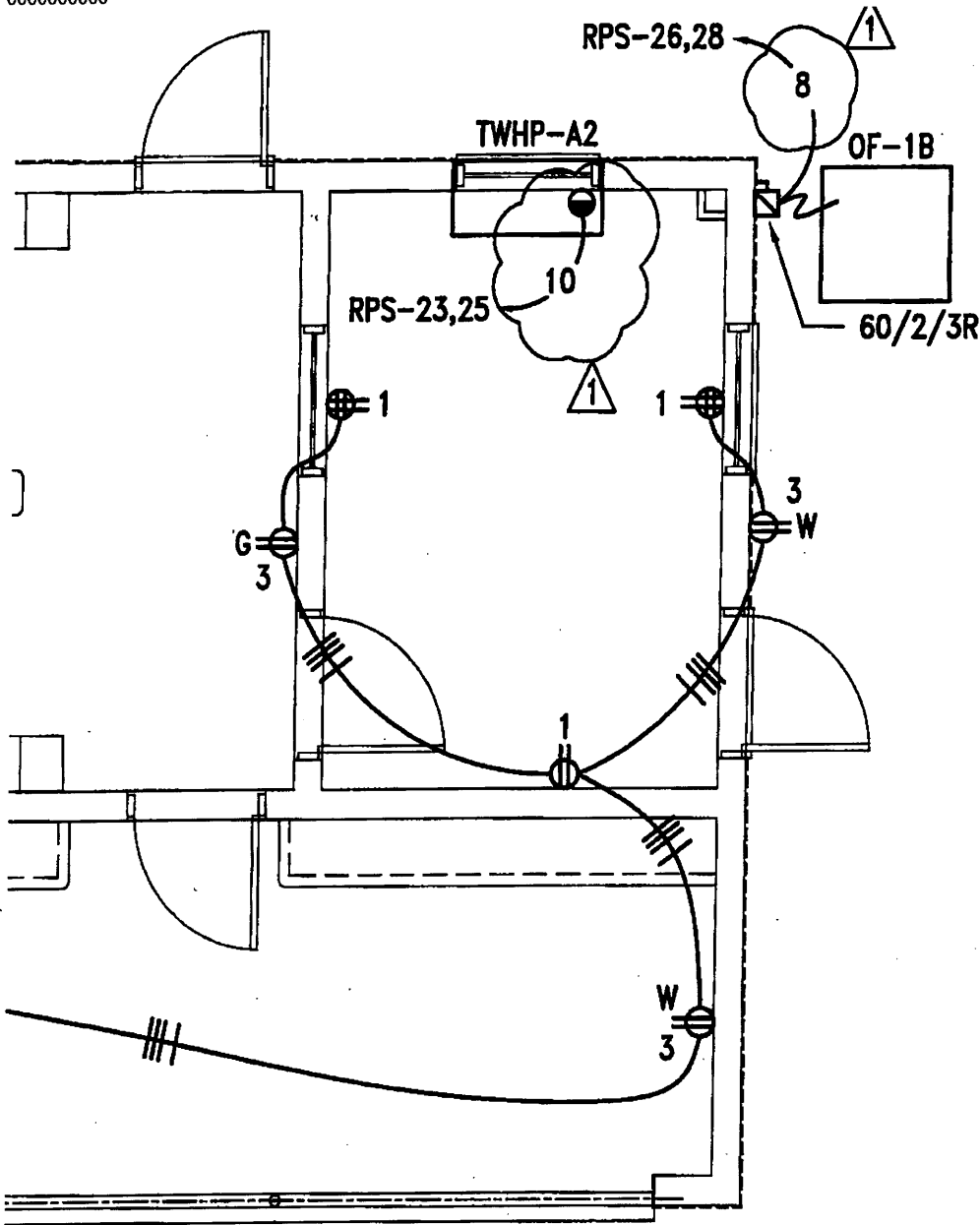
1. SHEET E2.2:
  - A. The branch circuit homerun for both mechanical units OF-1A and OF-1B shall be fed with 2#8 & 1#10 GRD – 1°C.
  - B. The branch circuit homerun for both mechanical units TWHP-A1 and TWHP-A2 shall be fed with 2#10 & 1#10 GRD – 3/4°C.
  
2. SHEET E4.1:
  - A. The secondary feeder from transformer T-B to panel RPS shall be fed with 4#250KCM & 1#2 GRD – 3°C.

**End of Addendum Items**

If you have any questions about this letter or wish to discuss it please call me.

Sincerely,

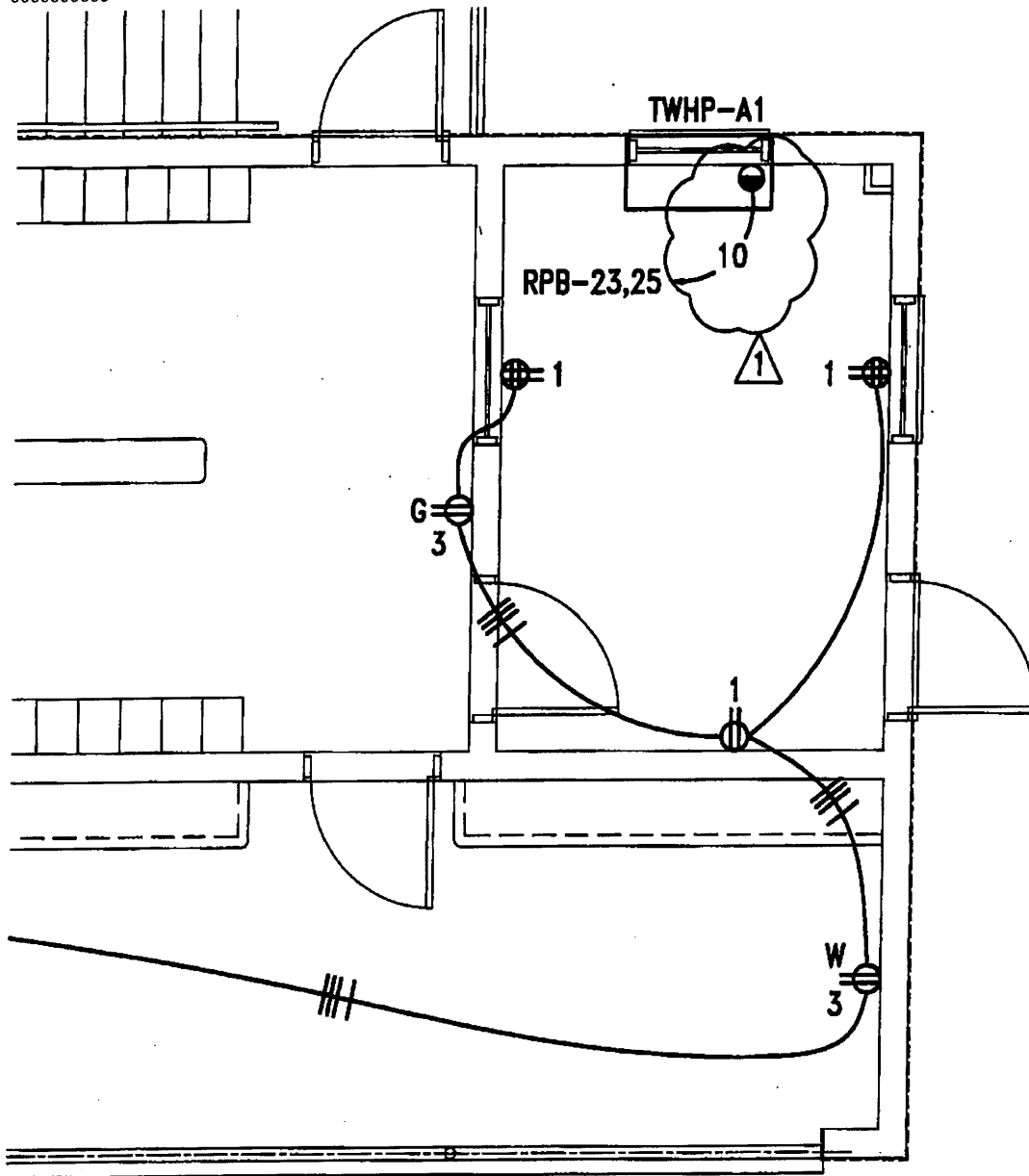
Kenny Gunn, P.E.



DR PLAN - POWER

SHEET E2.2 SOFTBALL FIELD LOCKER ROOM/  
DUGOUT FLOOR PLAN - POWER

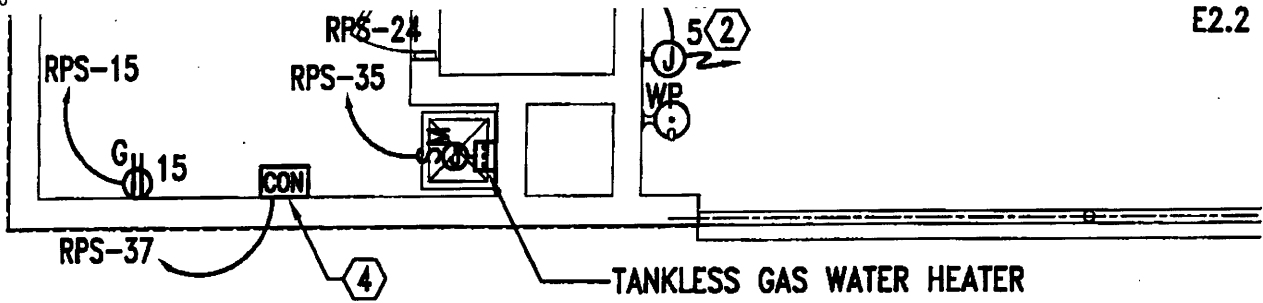
**SD5**



UT FLOOR PLAN - POWER

SHEET E2.2 BASEBALL FIELD LOCKER ROOM/  
DUGOUT FLOOR PLAN - POWER

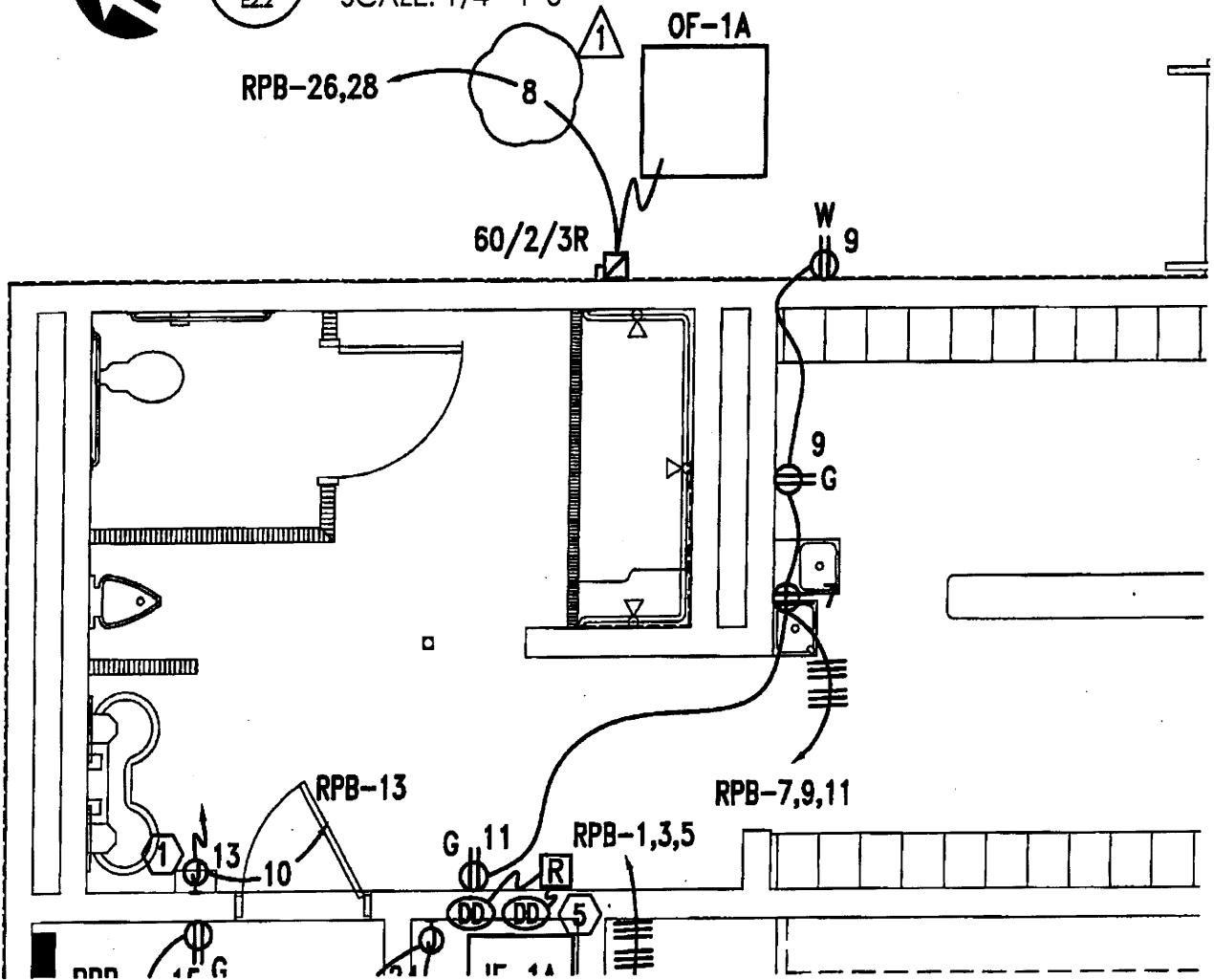
**SDG**



1  
E2.2

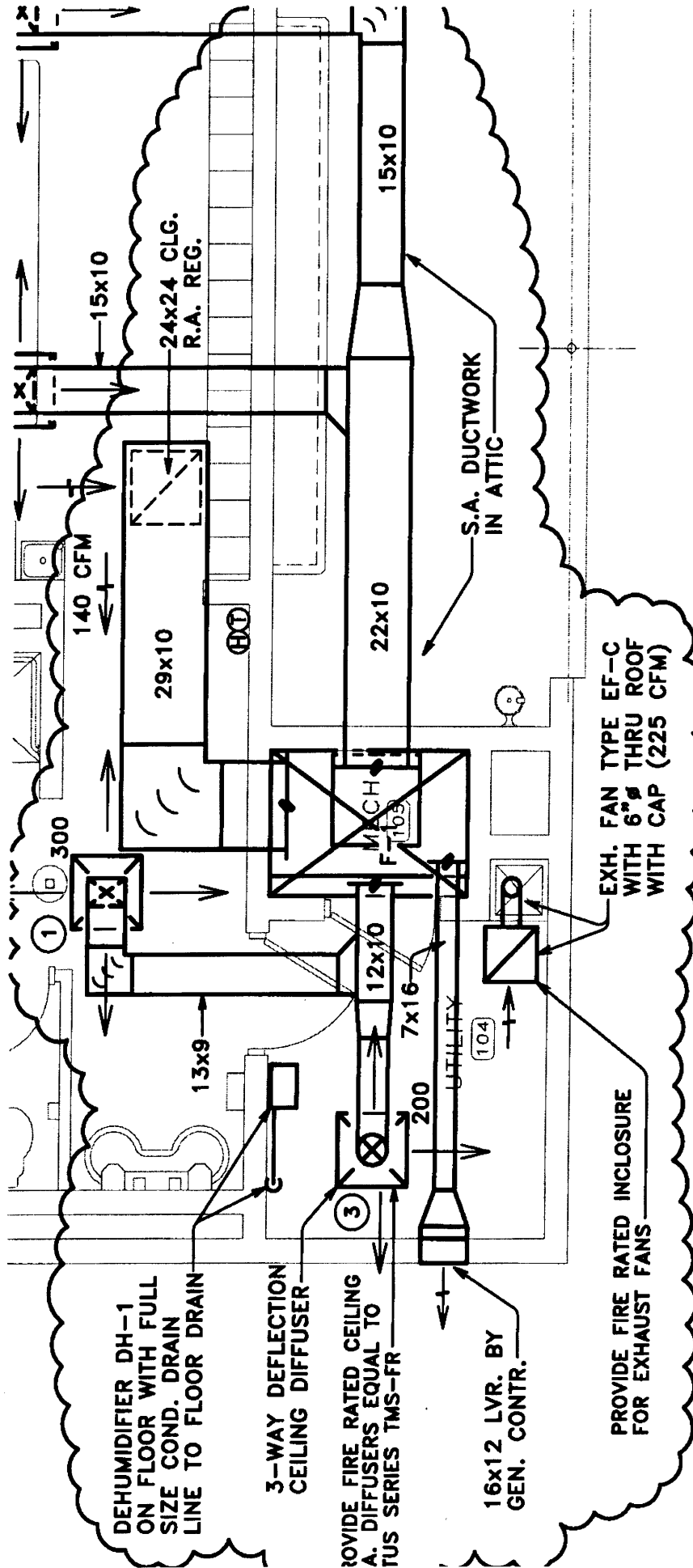
SOFTBALL FIELD LOCKER ROOM/DUGOUT

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



Sheet E2.2 BASEBALL FIELD LOCKER ROOM/  
DUGOUT FLOOR PLAN - POWER

SD7



DEHUMIDIFIER DH-1  
ON FLOOR WITH FULL  
SIZE COND. DRAIN  
LINE TO FLOOR DRAIN

3-WAY DEFLECTION  
CEILING DIFFUSER

PROVIDE FIRE RATED CEILING  
A. DIFFUSERS EQUAL TO  
TMS SERIES TMS-FR

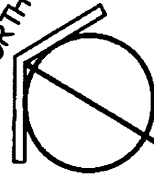
16x12 LVR. BY  
GEN. CONTR.

PROVIDE FIRE RATED ENCLOSURE  
FOR EXHAUST FANS

EXH. FAN TYPE EF-C  
WITH 6" THRU ROOF  
WITH CAP (225 CFM)

S.A. DUCTWORK  
IN ATTIC

PLAN  
NORTH



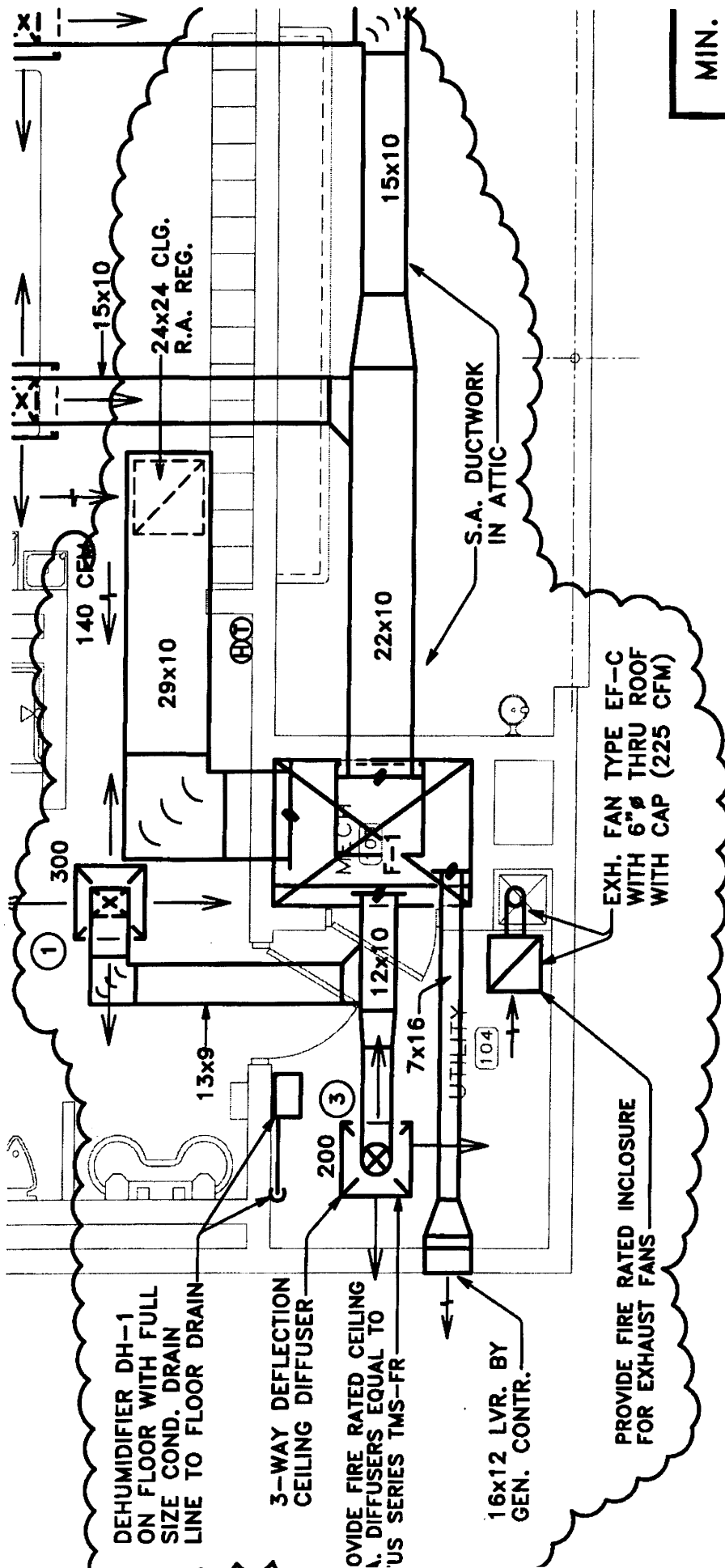
**FEMALE AUX. PHYS. ED.**

**HVAC FLOOR PLAN**

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

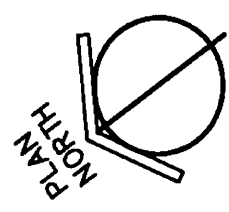
**SD8**

M-1



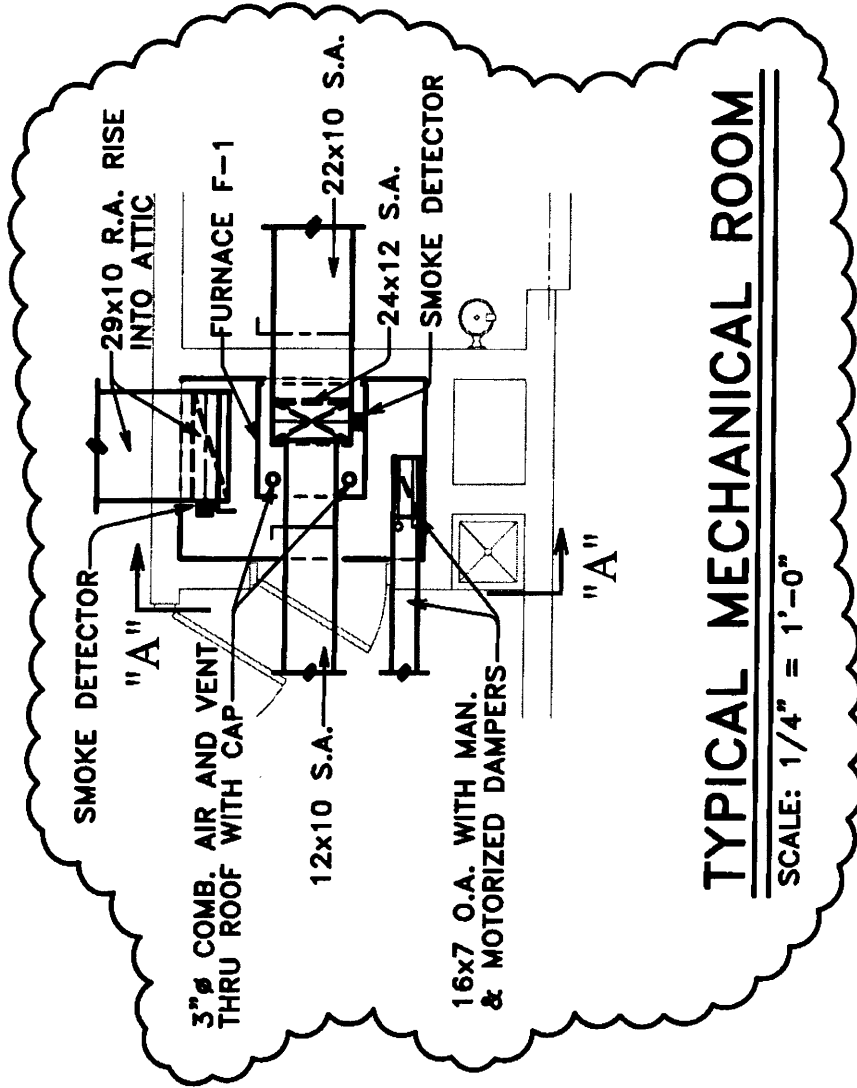
MIN.	=
Vbz	=
Az	=
RP	=
MINIMI	

**MALE AUX. PHYS. ED.**  
**HVAC FLOOR PLAN**  
 SCALE: 1/4" = 1'-0"



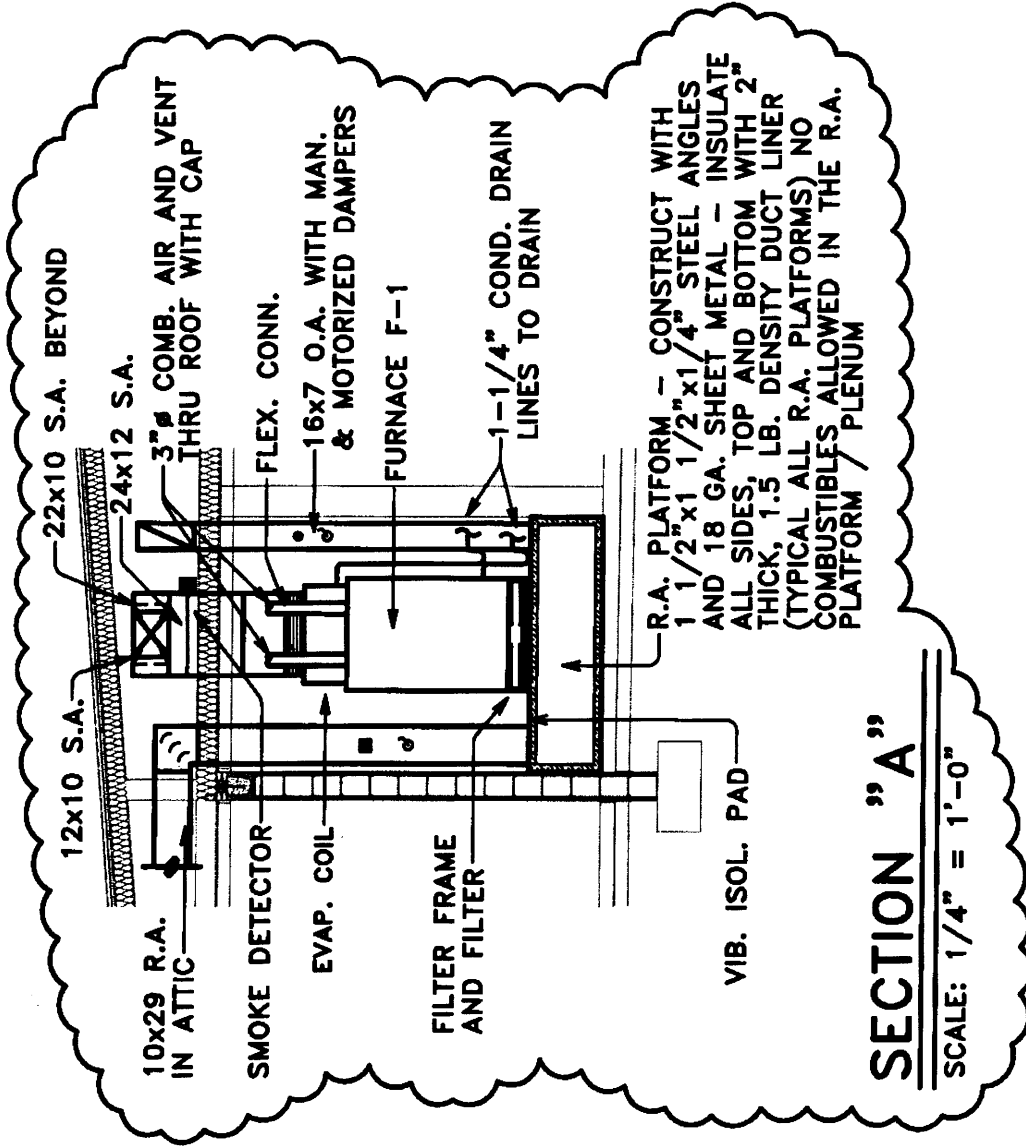
**SD9**

M-1



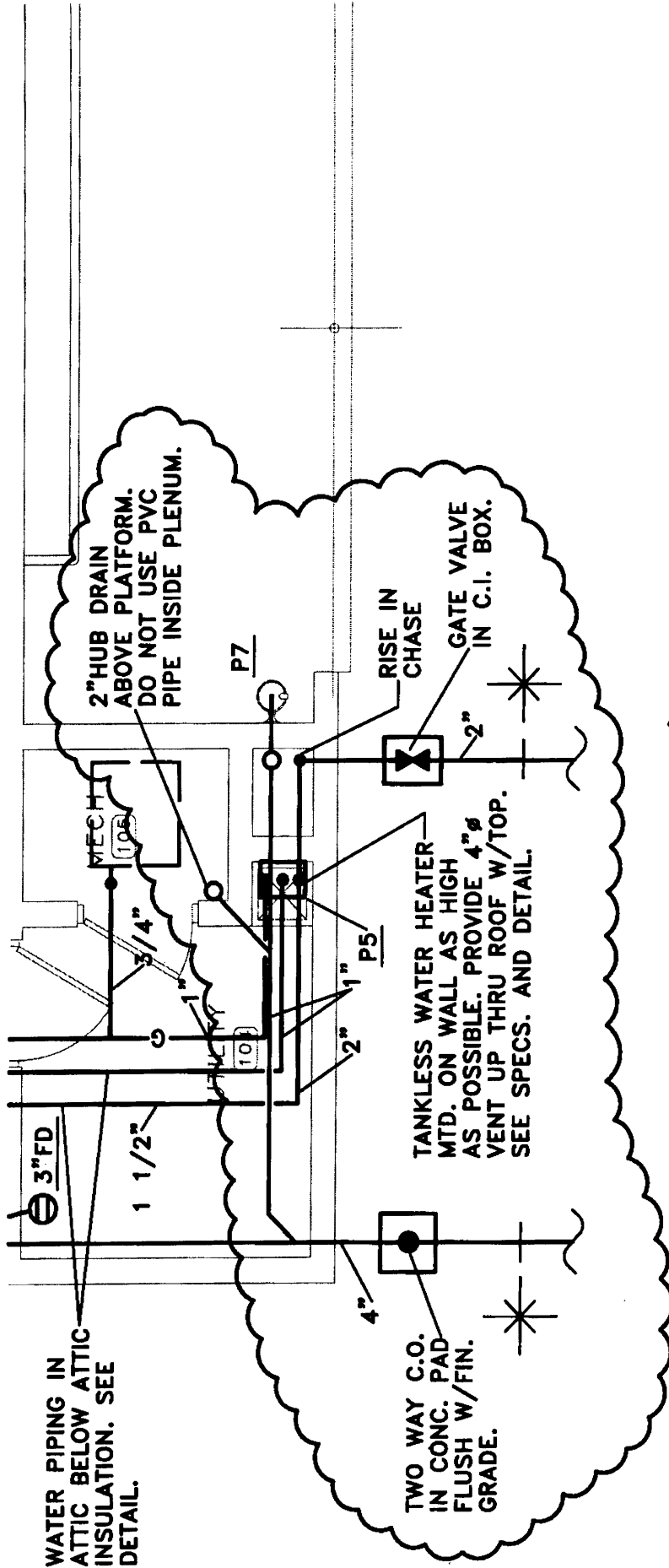
SD10

M-1



SD11

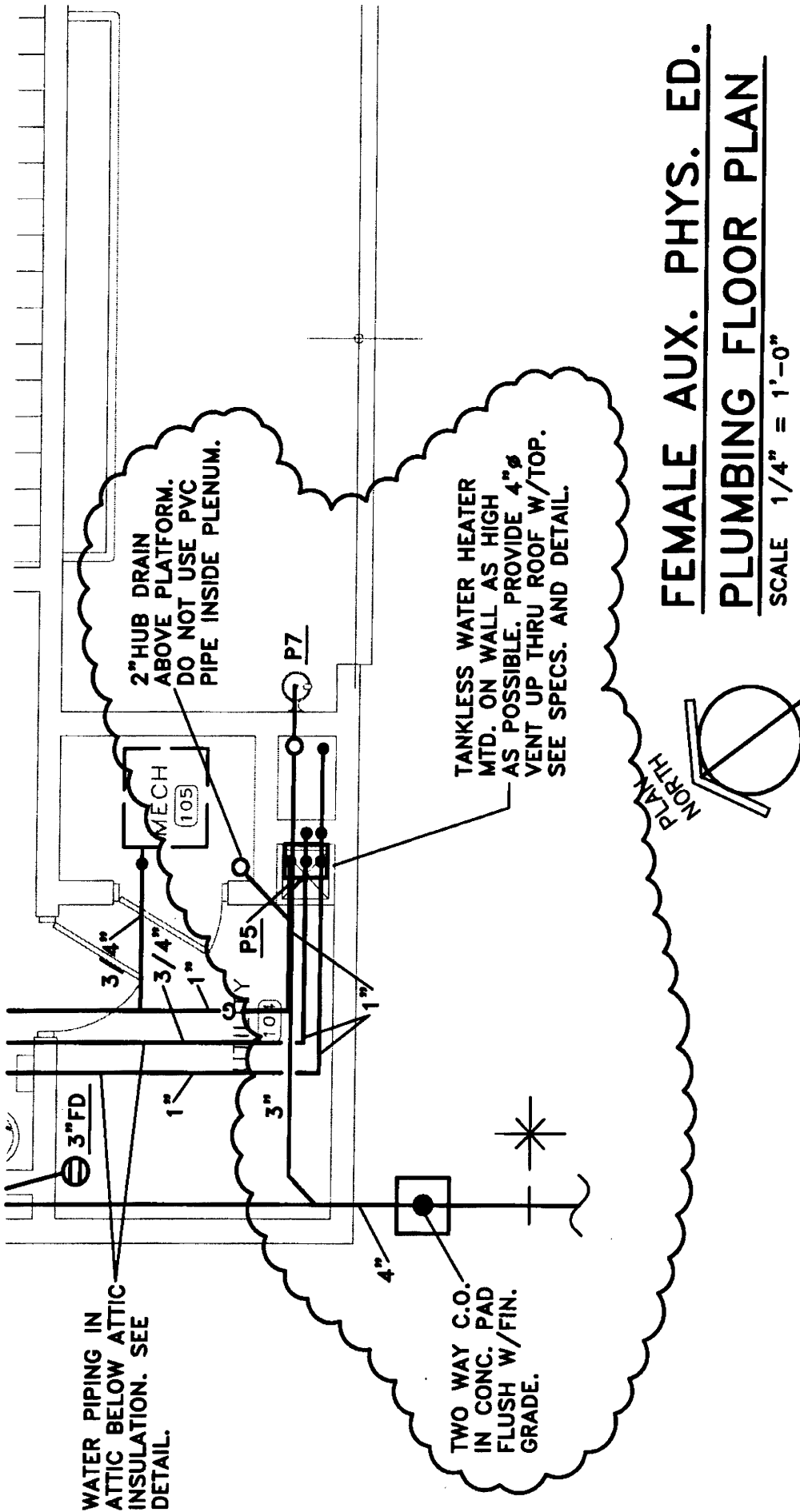
M-1



**MALE AUX. PHYS. ED.**  
**PLUMBING FLOOR PLAN**  
 SCALE 1/4" = 1'-0"

P-1

SD12

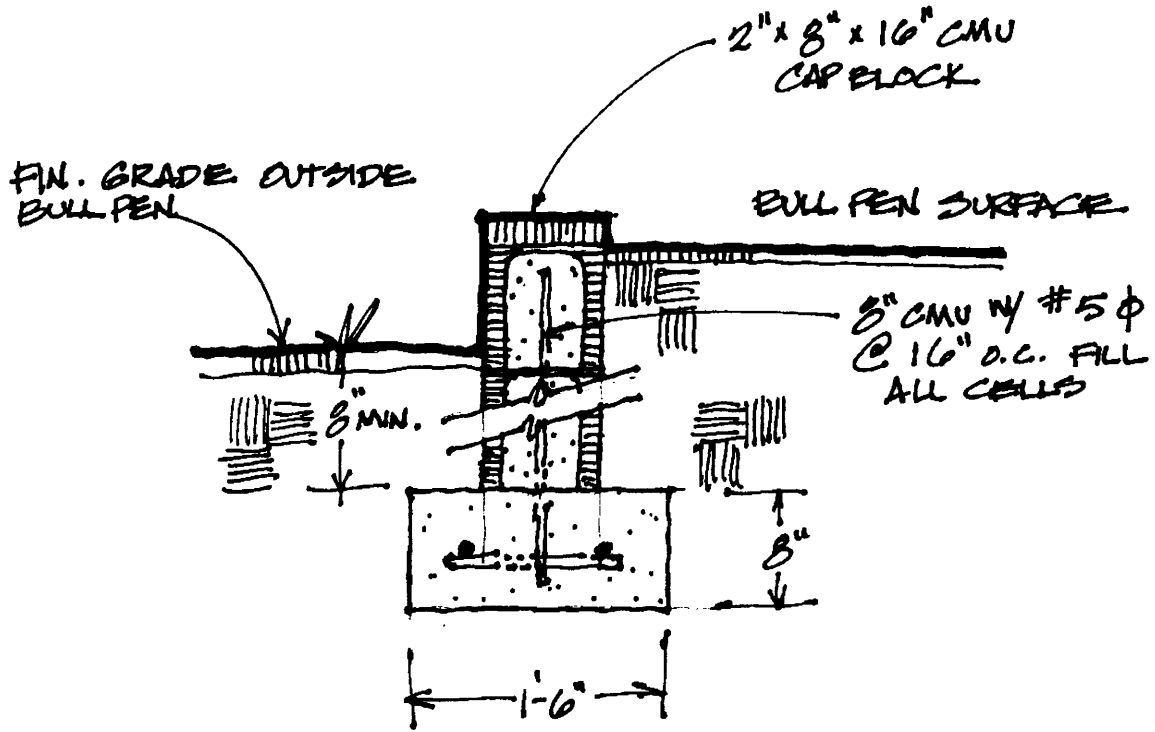


**FEMALE AUX. PHYS. ED.**  
**PLUMBING FLOOR PLAN**

SCALE 1/4" = 1'-0"

P-1

**SD13**



DETAIL @ BULLPEN SURROUND  
1" = 1'-0"

SHEET A-1.0

SD14