

# Orange Beach

# Teen Center

A New Facility

## Code Information

### Applicable Codes:

2003 International Building Code  
 Occupancy Classification: A3, Assembly  
 Construction Classification: VB, Sprinklered  
 Allowable Area per floor = 6,000 Sq. Ft. > Actual 3,170 Sq. Ft.  
 Allowable height = 40' > Actual 21'-4"  
 Allowable number of stories = 1 > Actual 1 Story  
 Required number of exits = 2 required, 3 provided

## Project Team

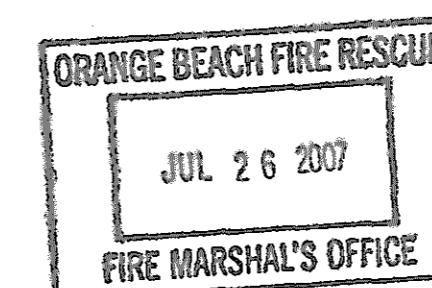
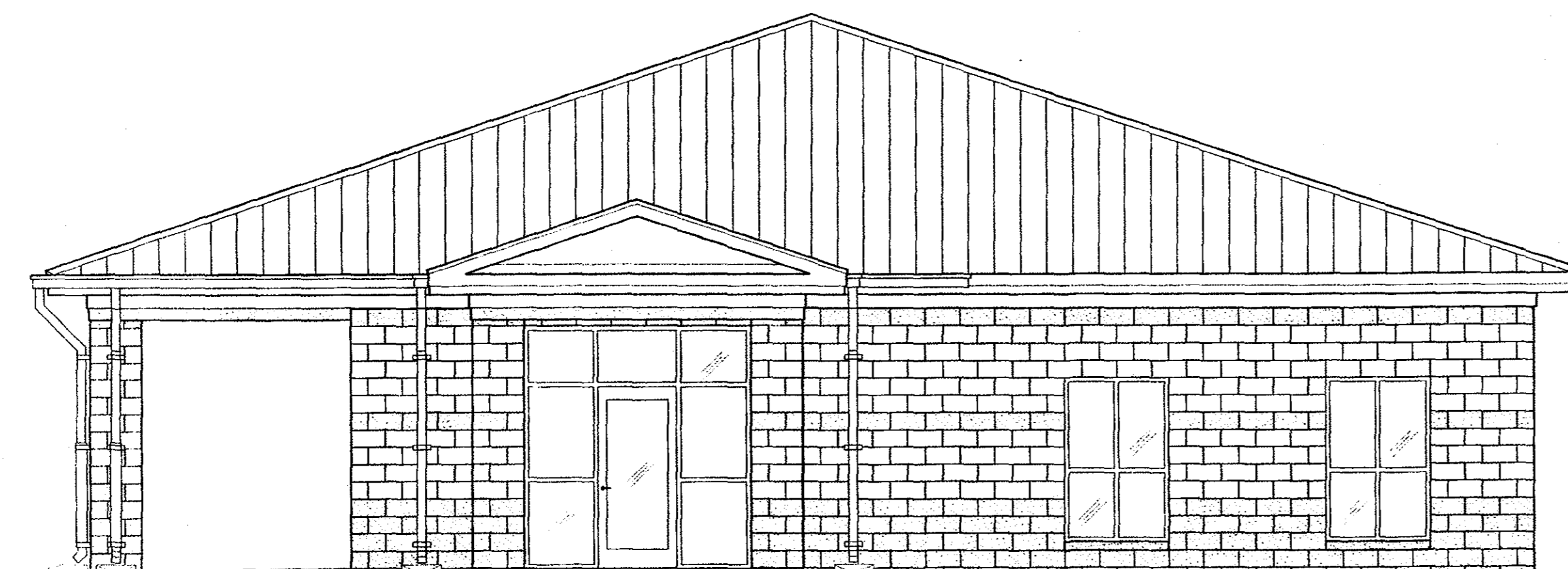
Architect	Mechanical
<b>Forrest Daniell &amp; Associates, P.C.</b> 8007 American Way Daphne, Alabama 36526 Ph: 251.625.6490 Fax: 251.625.6494 Email: forrest@fdaniell.com	<b>Johnson Peaden Engineering, Inc.</b> 11 Miracle Strip Parkway SW Fort Walton Beach, FL 32548 Ph: 850.244.6189 Fax: 850.244.0545 Email: j.johnson@johnsonpeaden.com
Structural	Electrical
<b>Frank Dagley &amp; Associates</b> 717 Executive Park Dr. Mobile, AL 36606 Ph: 251.476.0303 Fax: 251.476.9888 E-mail: wdl@dagleyengineers.com	<b>Davis, Bagwell, &amp; Yates Consulting Engineers</b> 7552 Navarre Pkwy, Suite61 Navarre, FL 32566 Ph: 850.939.3863 Fax: 850.939.5306 Email: anthony@dbyengineers.com
	Plumbing
	<b>Johnson Peaden Engineering, Inc.</b> 11 Miracle Strip Parkway SW Fort Walton Beach, FL 32548 Ph: 850.244.6189 Fax: 850.244.0545 Email: j.johnson@johnsonpeaden.com

Occupancy (11)

## Sheet Index

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## Exterior Elevation



RECEIVED  
 JUL 26 2007  
 ORANGE BEACH FIRE & RESCUE

ORANGE BEACH FIRE & RESCUE  
 BY [Signature] DATE 7/31/07  
 APPROVED AS NOTED  
 NOT APPROVED

Orange Beach Teen Center  
 Orange Beach, Alabama

JUN 2 2007

FORREST DANIELL & Associates, P.C.



Architecture & Planning

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 Daphne, AL 36526

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 www.fdaniell.com

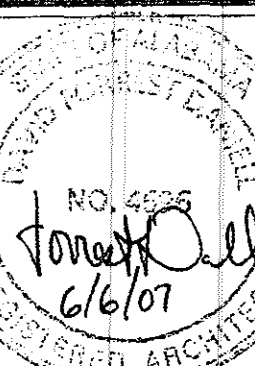
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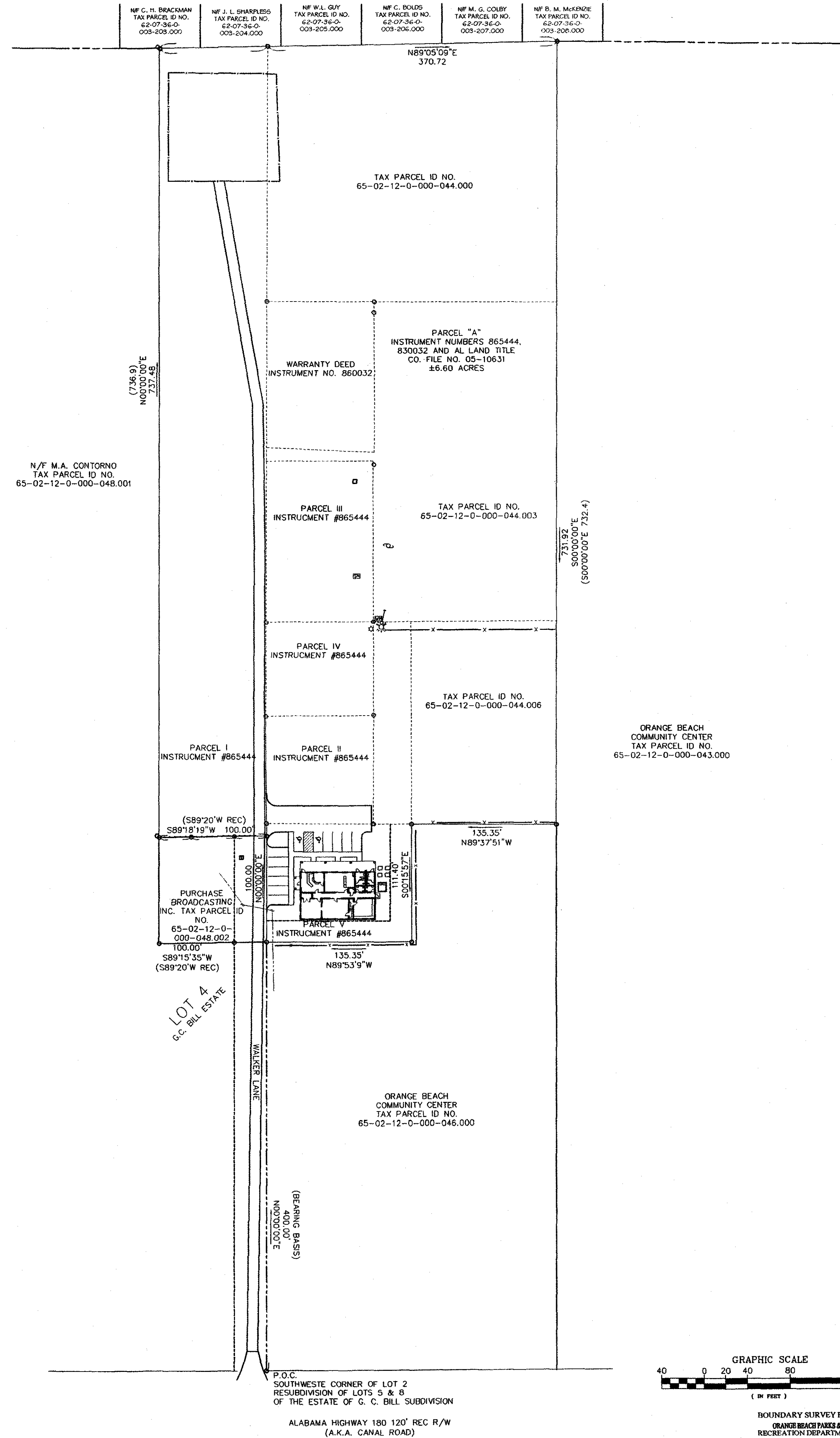
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T-1  
 TITLE SHEET



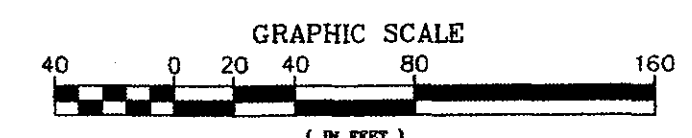
- LEGEND**
- CP - CALCULATED POINT, NOT SET
  - CRF - CAPPED REBAR FOUND
  - CRS - CAPPED REBAR SET
  - RBF - REBAR FOUND
  - REC - RECORD DIMENSION ( )
  - R/W - RIGHT OF WAY
  - XFMR - TRANSFORMER
  - - TELEPHONE PEDESTAL
  - - CABLE PEDESTAL
  - ☆ - LIGHT POLE
  - ⊗ - WATER METER
  - ⊕ - SEWER METER
  - ⊙ - STORM DRAIN MANHOLE
  - ⊗ - FIRE HYDRANT
  - - REBAR SET FOR CONSTRUCTION
  - - ELECTRICAL STUB OUT

- SURVEYOR'S NOTES:**
1. DESCRIPTION AS FURNISHED BY CLIENT.
  2. SOURCES OF INFORMATION USED WERE PREVIOUS SURVEYS BY THIS AND OTHER FIRMS AND THE RECORDED SUBDIVISION PLAT.
  3. NO TITLE SEARCH, TITLE OPINION OR ABSTRACT WAS FURNISHED TO NOR PERFORMED BY THIS FIRM FOR THE SUBJECT PROPERTY. THERE MAY BE DEEDS OF RECORD, UNRECORDED DEEDS, EASEMENTS, RIGHTS-OF-WAY OR OTHER INSTRUMENTS WHICH COULD AFFECT THE BOUNDARIES OF SAID PROPERTY.
  4. THIS PROPERTY MAY BE SUBJECT TO ADDITIONAL RESTRICTIONS THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY.
  5. THE LINES SHOWN REPRESENTING THE CENTERLINE AND RIGHTS OF WAY OF THE STREETS ARE SHOWN FOR VISUAL PURPOSES ONLY AND WAS NOT SURVEYED UNLESS MONUMENTATION IS ALSO SHOWN.
  6. THERE WAS NO ATTEMPT TO DETERMINE THE EXISTENCE, LOCATION OR EXTENT OF ANY SUBSURFACE FEATURES.
  7. NO INVESTIGATION HAS BEEN MADE BY THIS FIRM TO DETERMINE THE EXTENT OR EXISTENCE OF ANY WETLAND AREAS.
  8. IMPROVEMENTS NOT SHOWN.

**"PARCEL A" DESCRIPTION**

COMMENCE AT THE SOUTHWEST CORNER OF LOT 4 AS SHOWN ON THE PLAT OF THE ESTATE OF G. C. BILL, WHICH PLAT IS RECORDED IN THE BALDWIN COUNTY PROBATE RECORDS IN MAP BOOK 3, PAGE 90 ALSO BEING THE SOUTHWEST CORNER OF LOT 2, AS SHOWN ON PLAT OF THE RESUBDIVISION OF LOTS 5 AND 8 OF THE ESTATE OF G. C. BILL, WHICH PLAT IS RECORDED IN THE BALDWIN COUNTY PROBATE RECORDS IN DEED BOOK NUMBER 408, PAGE 220 AND LYING ON THE NORTH RIGHT OF WAY OF ALABAMA HIGHWAY 180 (120' RIGHT OF WAY); THENCE LEAVING SAID RIGHT OF WAY RUN N00°00'00"E, 400.00 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE N00°00'00"E, 100.00 FEET; THENCE RUN S89°18'19"W, 100.00 FEET; THENCE RUN N00°00'00"E, 737.48 FEET; THENCE RUN N89°05'09"E, 370.72; THENCE RUN S00°00'09"E, 731.92 FEET; THENCE RUN N89°37'51"W, 135.35 FEET; THENCE S00°15'15"E, 111.40 FEET; THENCE RUN N89°33'19"W, 135.35 FEET TO THE POINT OF BEGINNING, SAID PARCEL LYING IN SECTION 12, TOWNSHIP 9 SOUTH, RANGE 5 EAST AND CONTAINING ±6.60 ACRES.

THE ABOVE DESCRIBED PROPERTY SUBJECT TO INGRESS, EGRESS EASEMENTS AS SHOWN AND RECORDED IN REAL PROPERTY BOOK 597, PAGE 282 IN THE OFFICE OF THE JUDGE OF PROBATE, BALDWIN COUNTY, ALABAMA.



BOUNDARY SURVEY FOR:  
ORANGE BEACH PARKS &  
RECREATION DEPARTMENT

**SITE PLAN**  
SP-1  
1/64" = 1'-0"

**Orange Beach Teen Center**  
Alabama  
Orange Beach,

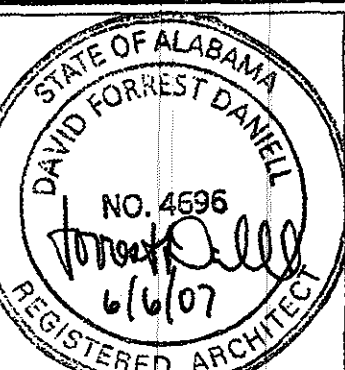
FORREST DANIELL & Associates, P.C.



8007 American Way  
Daphne, AL 36526  
(251) 625-6490  
(251) 625-6494 fax  
www.fdanell.com

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FILE: F006033  
DATE: 5/30/07

**SP-1**  
SITE PLAN

Orange Beach Teen Center  
Orange Beach, Alabama

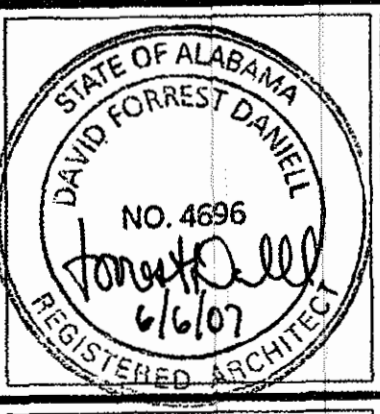
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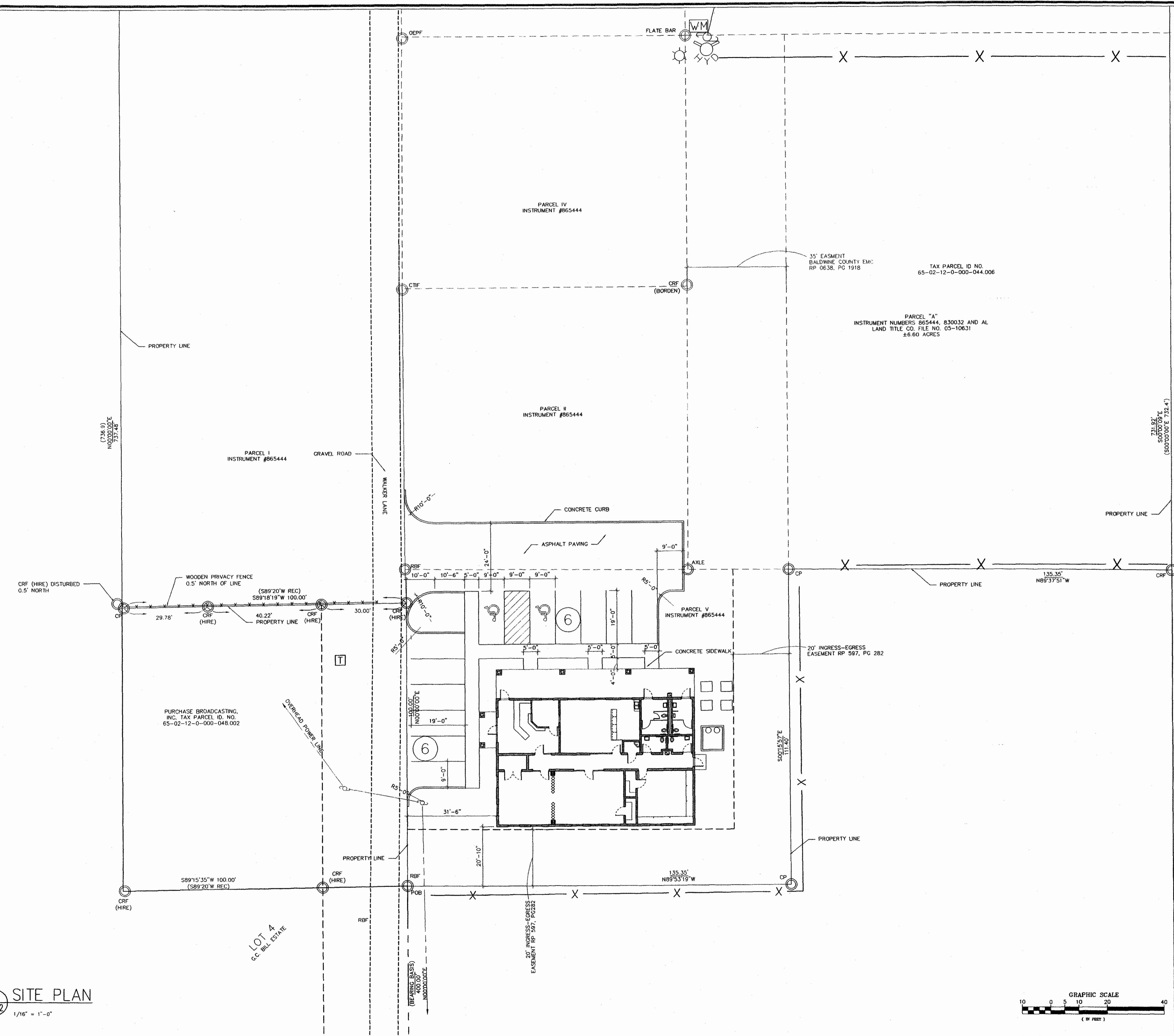
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**SP-2**  
SITE PLAN

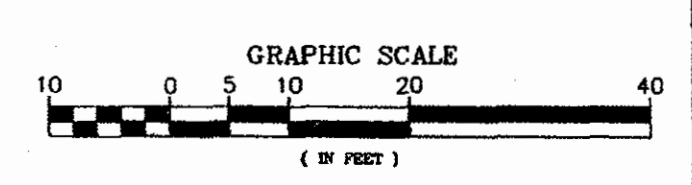
**1** SITE PLAN  
SP-2  
1/16" = 1'-0"

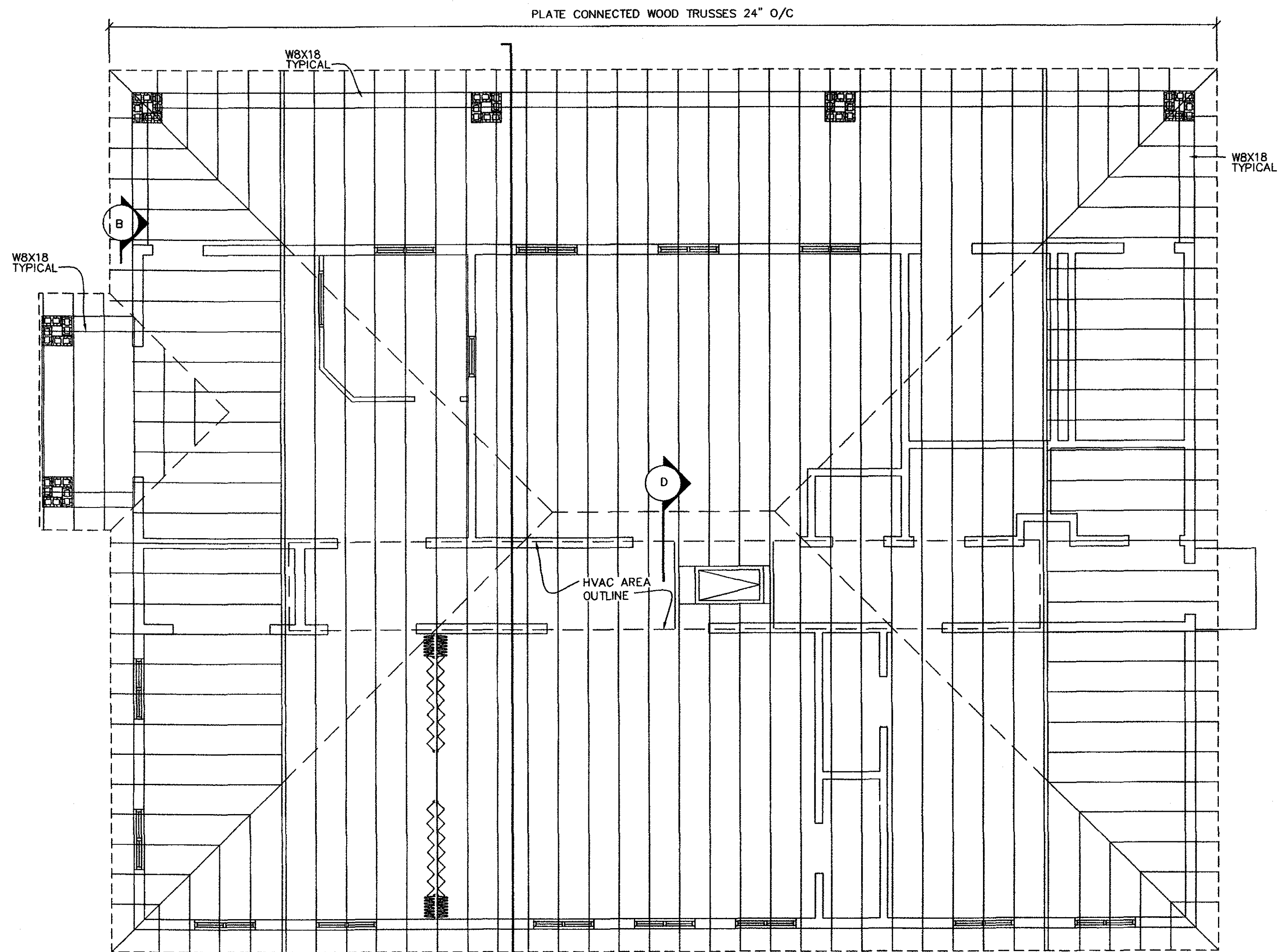


**PARKING REQUIREMENTS:**  
1 SPACE PER 40 S.F. OF LARGEST ASSEMBLY AREA IN BUILDING: 467 S.F.  
REQUIRED: 11  
PROVIDED: 12 (10 REG. & 2 HANDICAP)

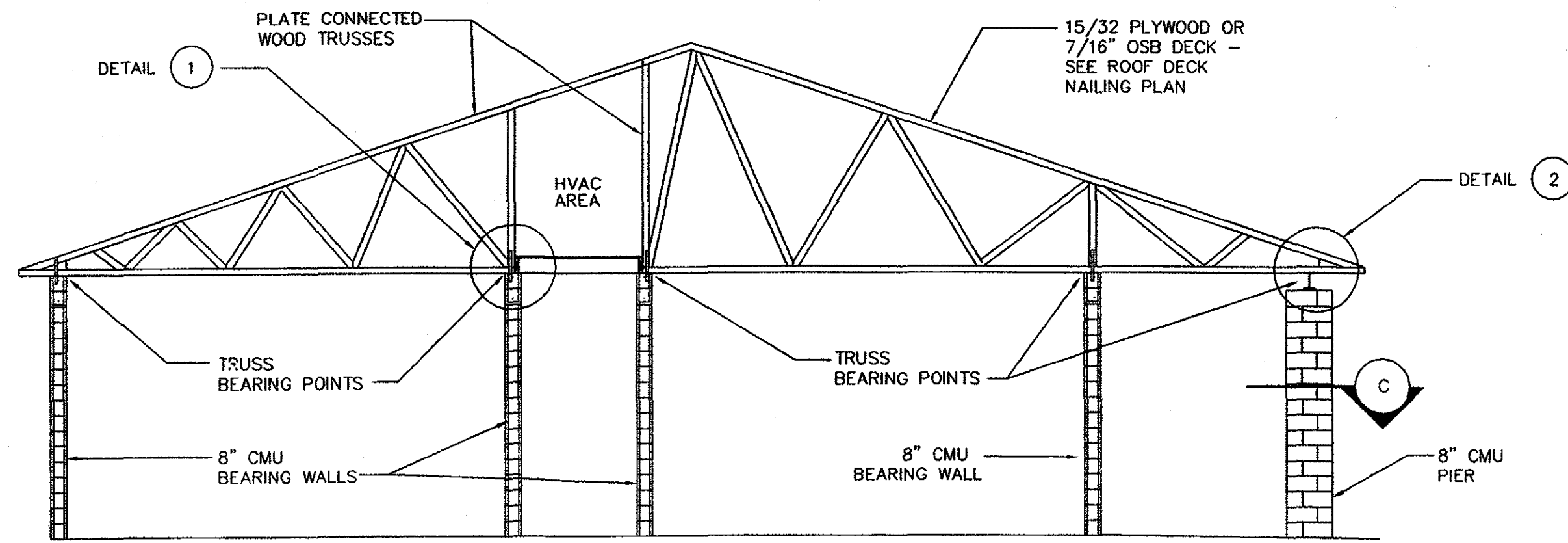
**LEGEND**

- CP - CALCULATED POINT, NOT SET
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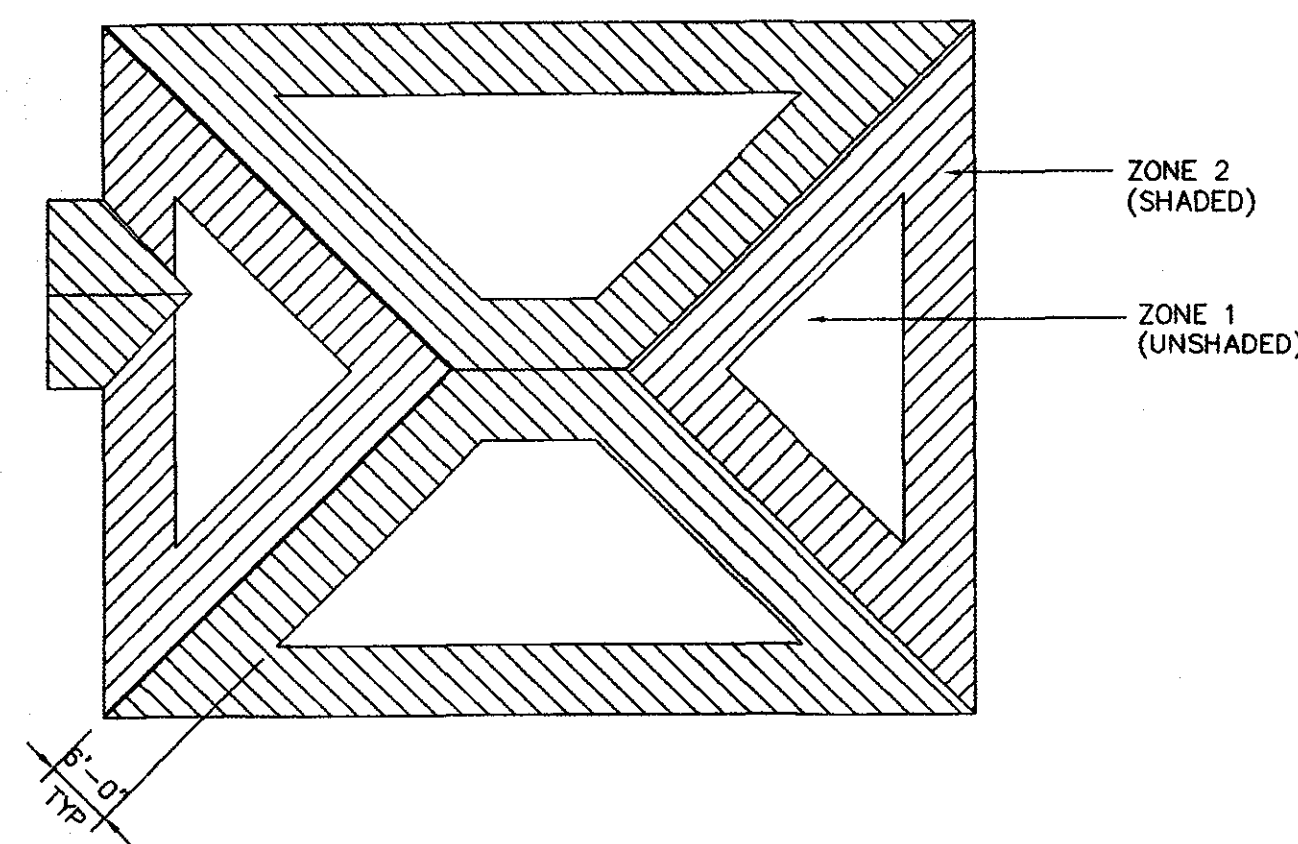




**FRAMING PLAN**  
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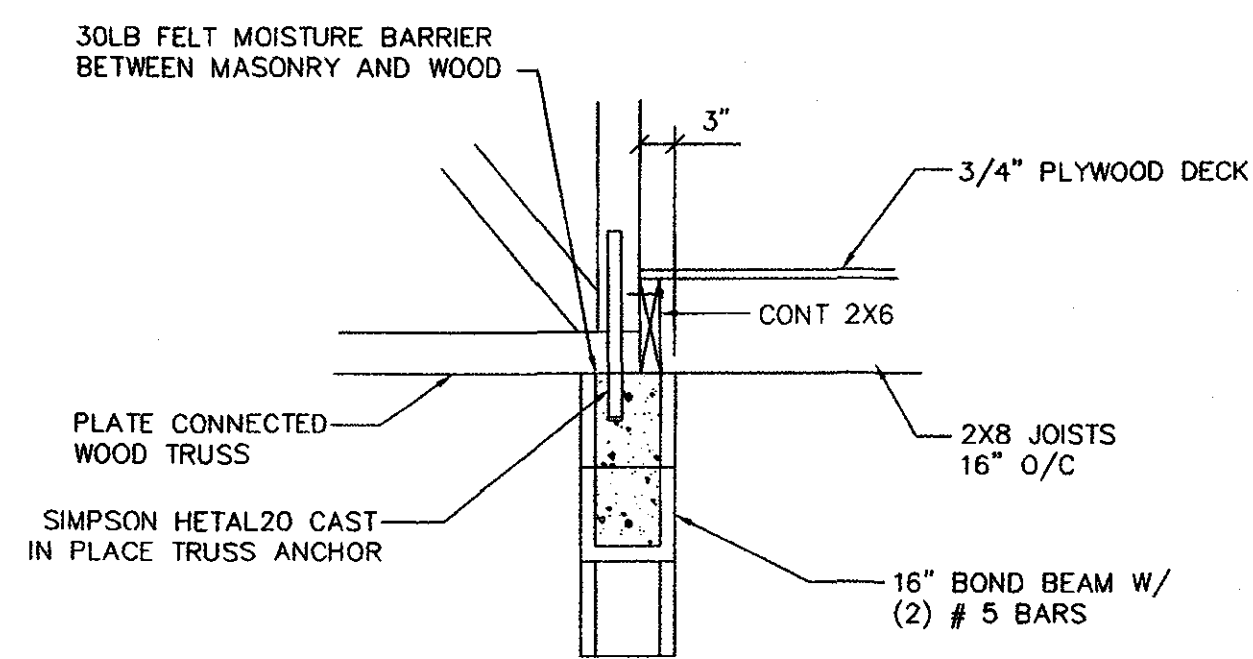
**SECTION A**  
SCALE: 3/16" = 1'-0"  
TOP / NON-LOAD BEARING WALLS TO BE 2" BELOW TOP / OF LOAD BEARING WALLS



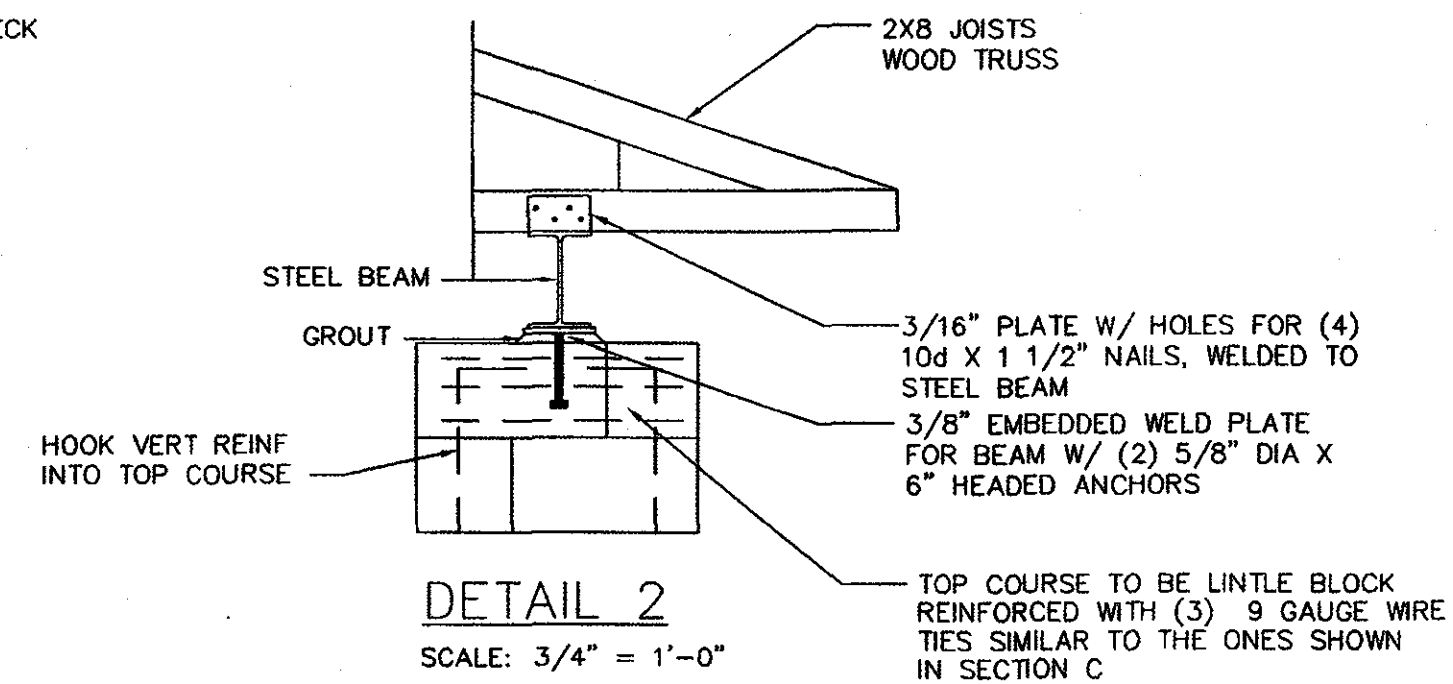
**NAILING REQUIREMENTS**

	REQUIREMENTS FOR FASTENING W/ GUN NAILS	REQUIREMENTS FOR FASTENING W/ COMMON NAILS
ZONE 1	2 3/8" X 0.113" NAILS AT 4" O/C EDGES AND 8" O/C IN THE FIELDS	8d COMMON NAILS AT 6" O/C EDGES AND 12" O/C IN THE FIELDS
ZONE 2	2 3/8" X 0.113" NAILS AT 4" O/C EDGES AND 4" O/C IN THE FIELDS	8d COMMON NAILS AT 6" O/C EDGES AND 6" O/C IN THE FIELDS

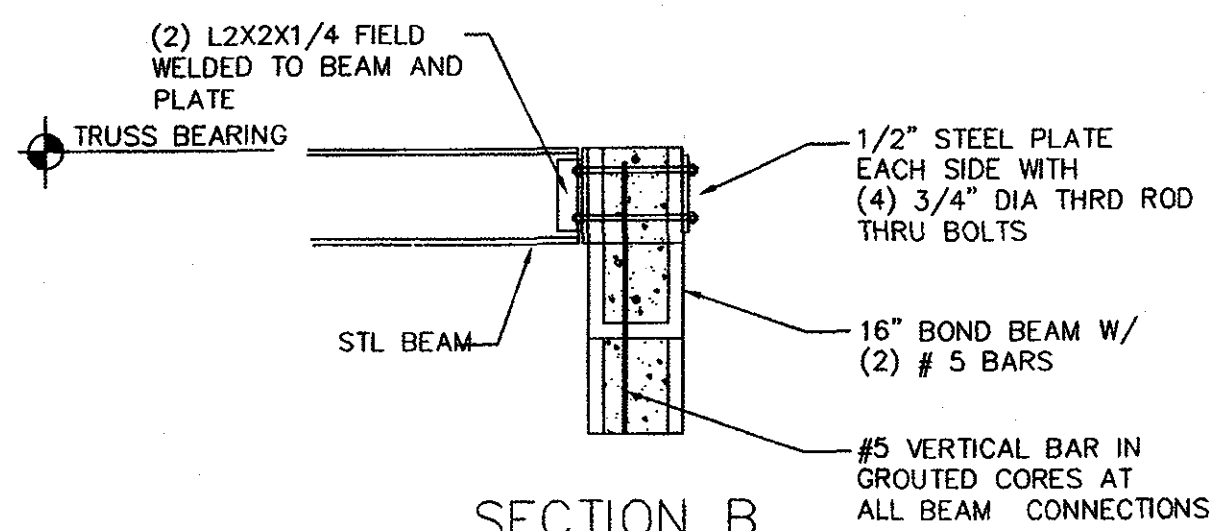
**ROOF DECK NAILING PLAN & REQUIREMENTS**  
SCALE: NONE



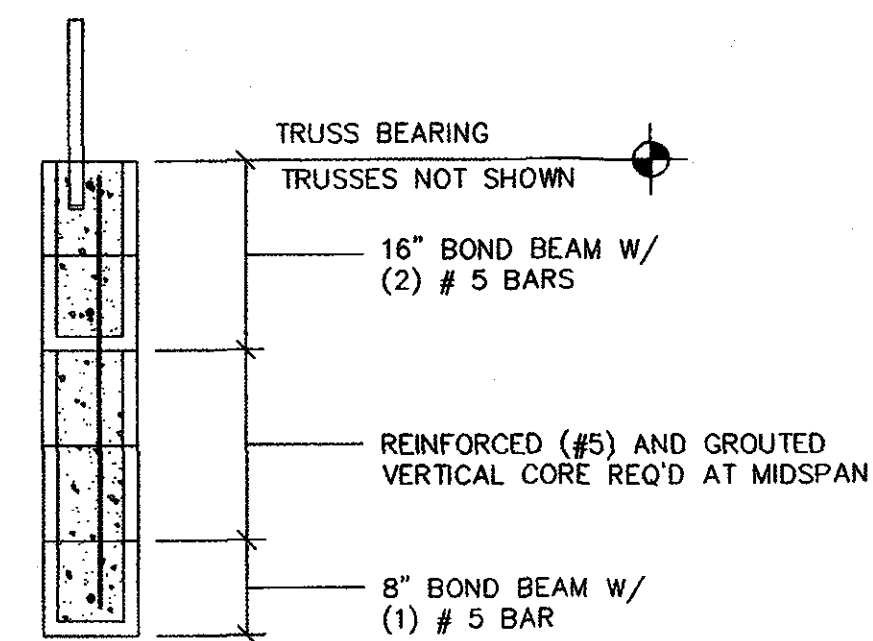
**DETAIL 1**  
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**DETAIL 2**  
SCALE: 3/4" = 1'-0"



**SECTION B**  
SCALE: 3/4" = 1'-0"



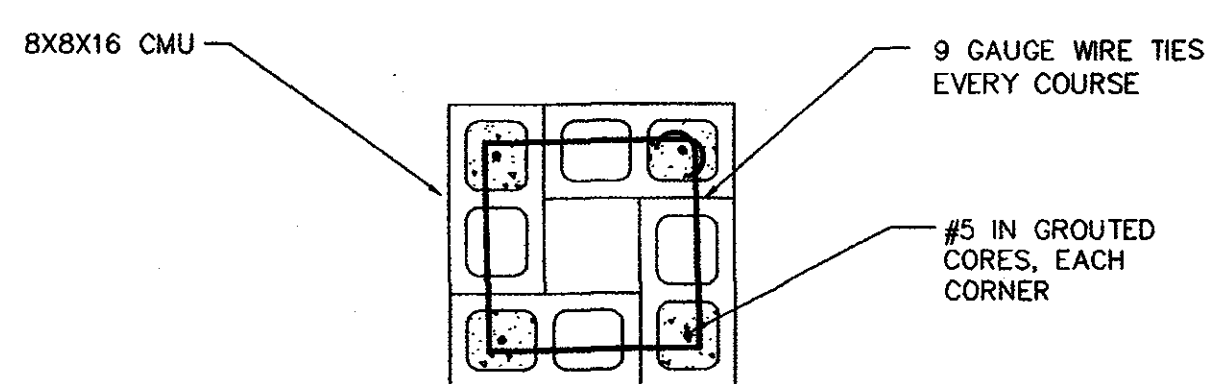
**SECTION D**  
SCALE: 3/4" = 1'-0"

**ROOF TRUSS NOTES**

- TRUSSES SHALL BE PLATE CONNECTED WOOD TRUSSES DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH ALPINE ENGINEERED PRODUCTS INC. STANDARDS, UNLESS OTHERWISE NOTED, TRUSS DESIGN LOADS SHALL BE AS FOLLOWS:  
 DEAD LOAD (D) 10 PSF  
 COLLATERAL LOAD - (Lc) 5 PSF  
 ROOF LIVE LOAD - (Lr) 20 PSF  
 WIND LOAD - 140 mph (3 second gust) FULLY ENCLOSED, EXPOSURE B
- THE FOLLOWING LOAD COMBINATIONS WILL BE CONSIDERED IN DESIGN:  
 (1) D  
 (2) D + Lc + Lr  
 (3) D + W + Lc + Lr  
 (4) 0.6D + W
- A ROOF TRUSS SHOP DRAWING SUBMITTAL WITH FABRICATION AND ERECTION DRAWINGS SEALED BY A REGISTERED ALABAMA PROFESSIONAL ENGINEER IS REQUIRED.

**COMPONENT DESIGN PRESSURES - WINDOWS AND DOORS**  
140 MPH DESIGN WIND SPEED

COMPONENT AREA SQUARE FEET	INWARD PRESSURE PSF	OUTWARD PRESSURE PSF
10	35.26	-47.21
20	33.67	-44.03
50	31.57	-39.83
100	29.98	-36.66



**SECTION C**  
SCALE: 3/4" = 1'-0"

Orange Beach Teen Center  
Orange Beach, Alabama



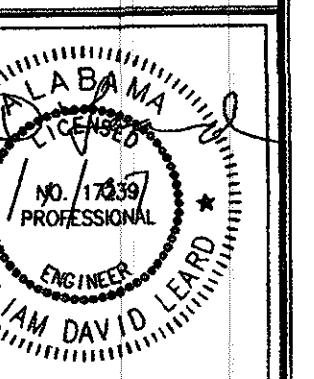
8007 American Way  
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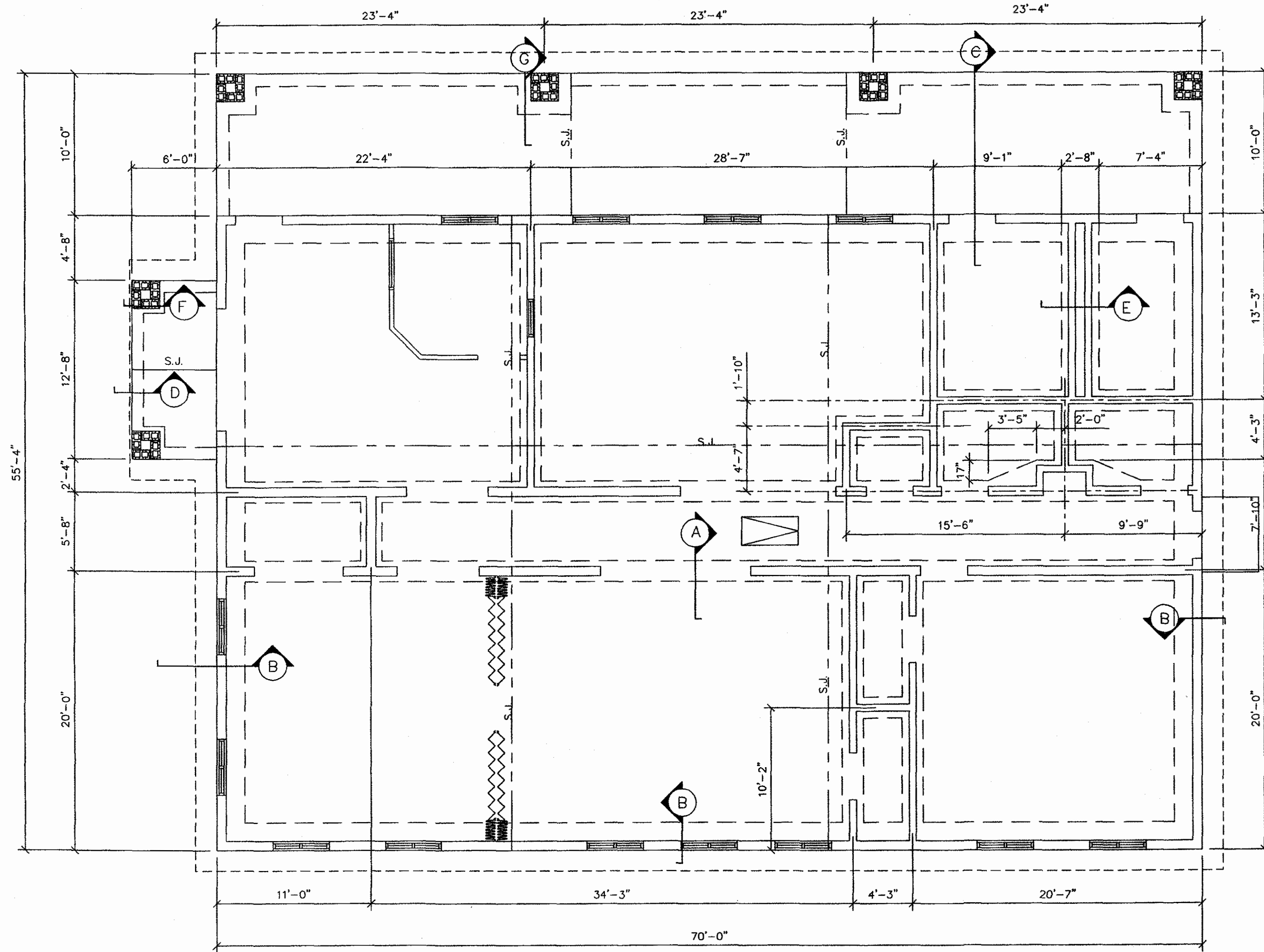
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**REVISIONS**

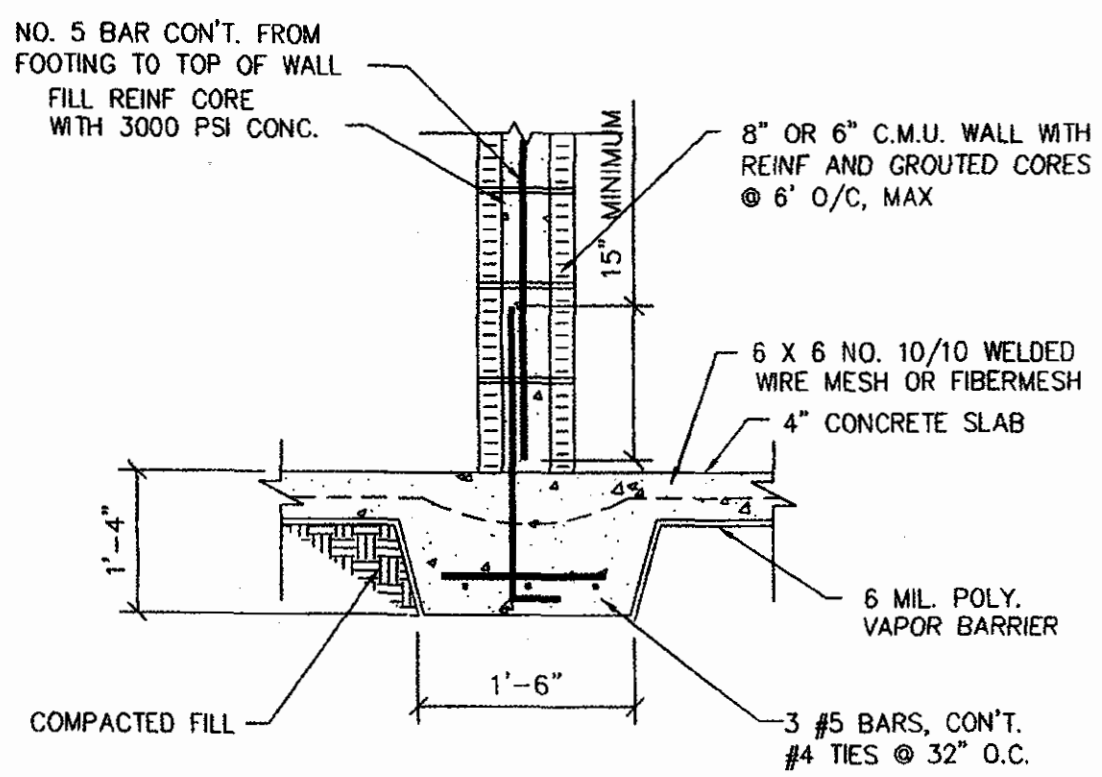
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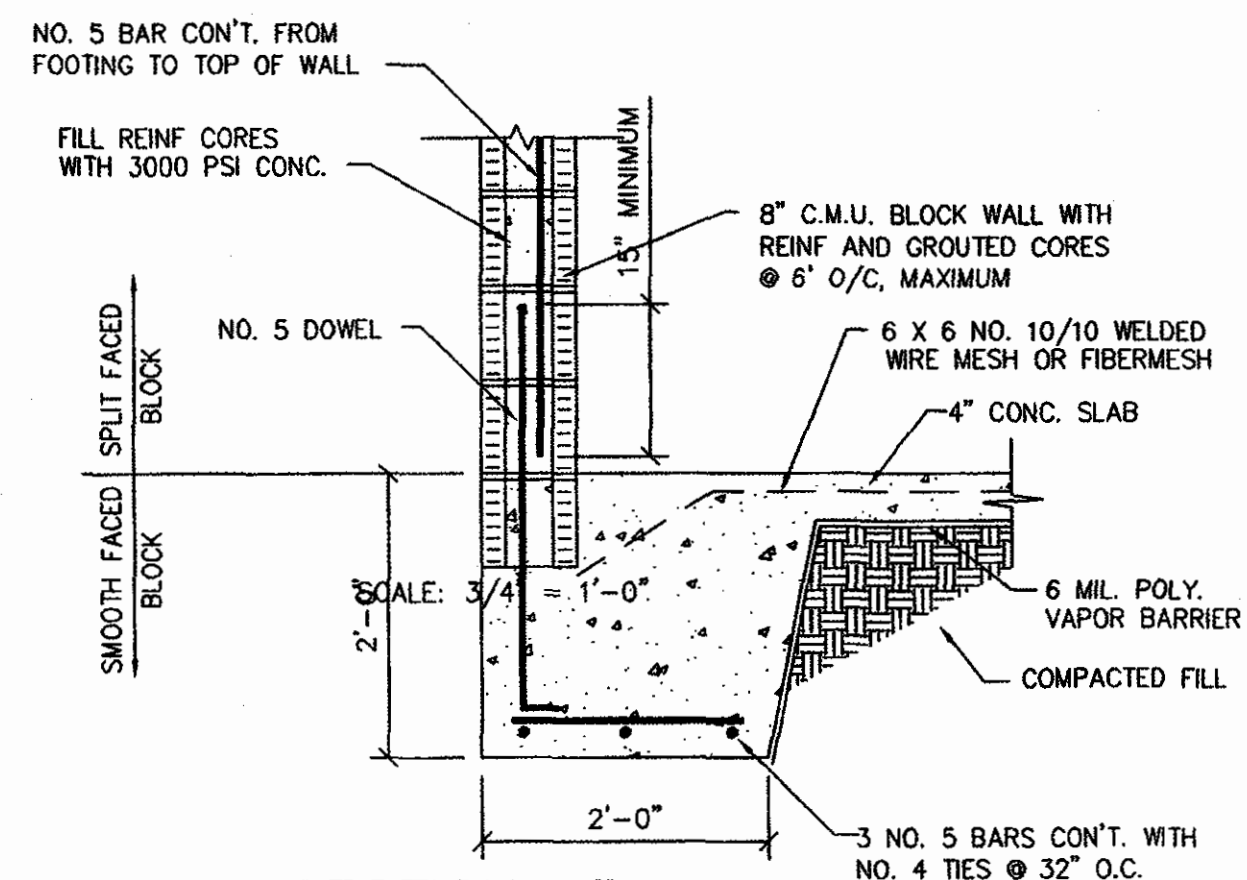
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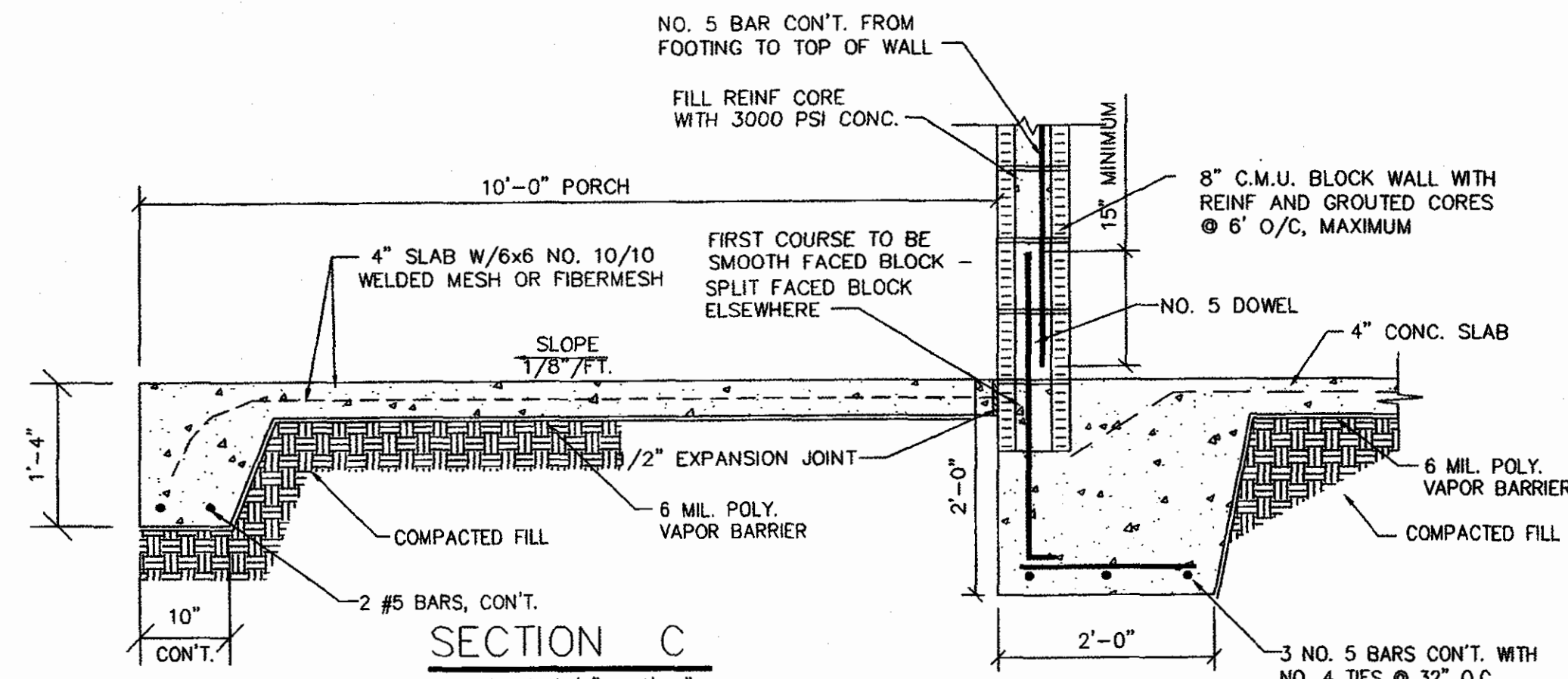
**FLOOR PLAN**  
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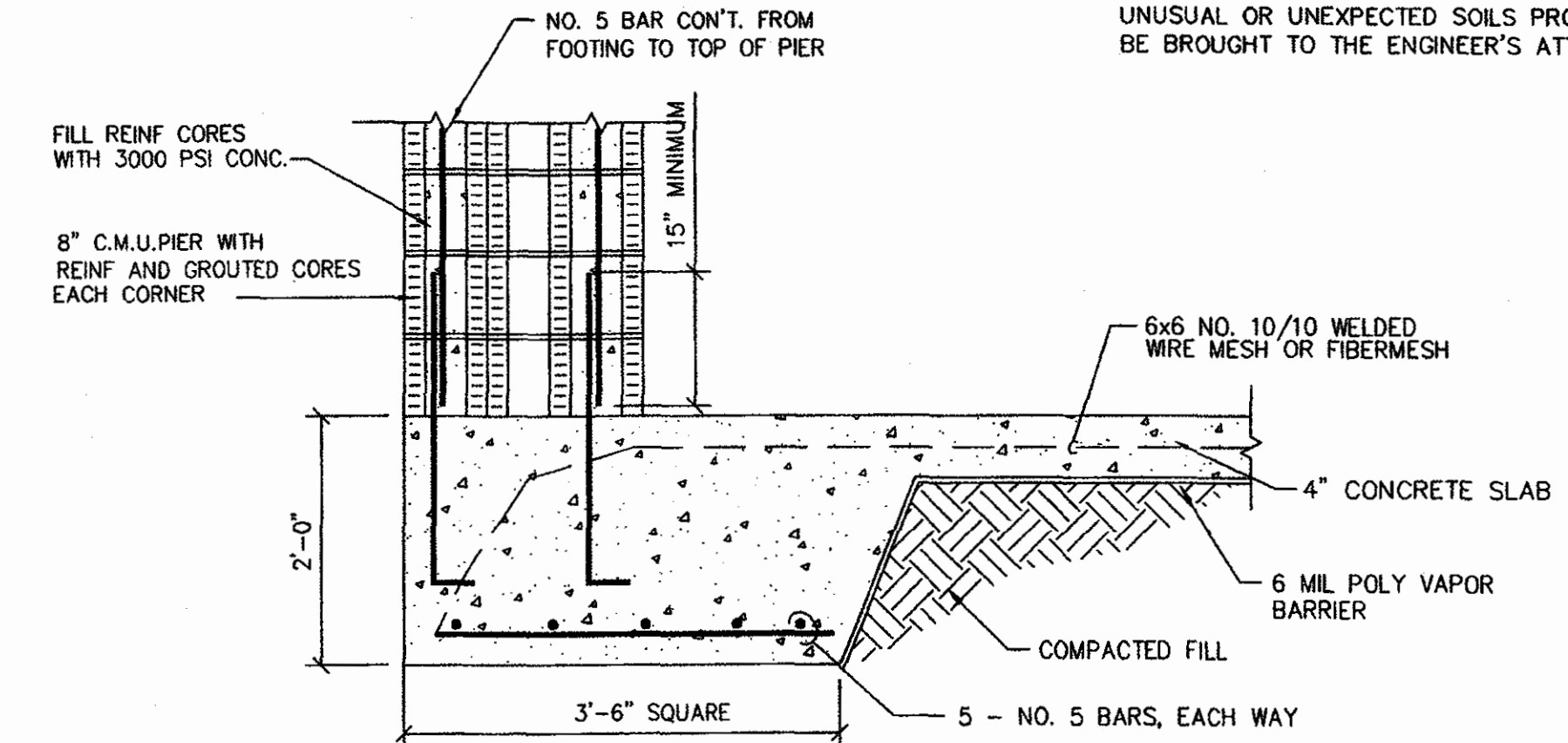
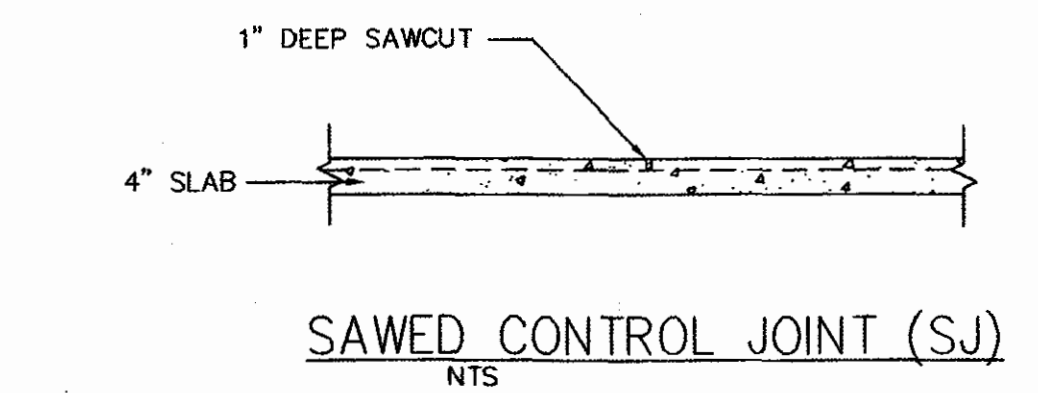
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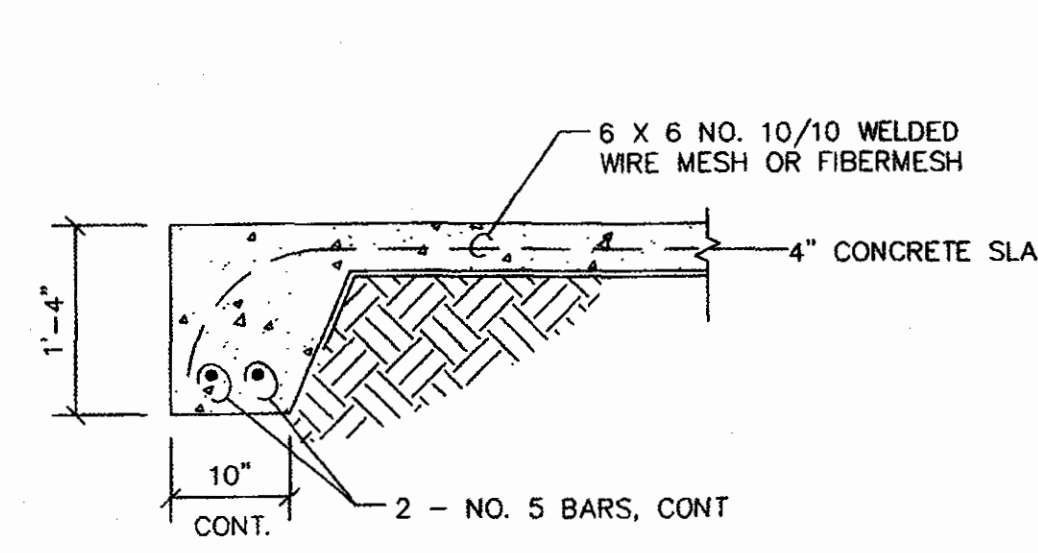
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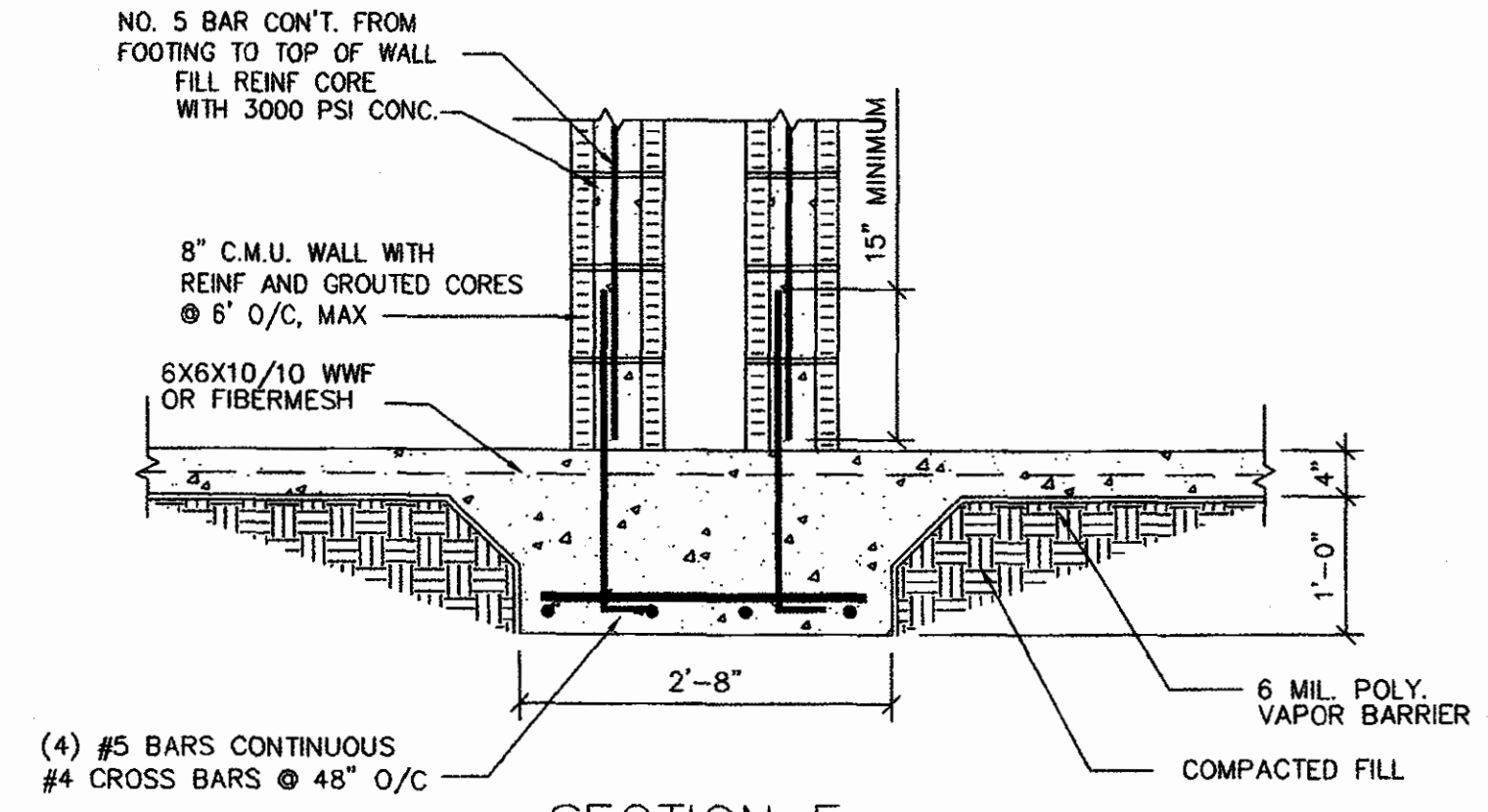
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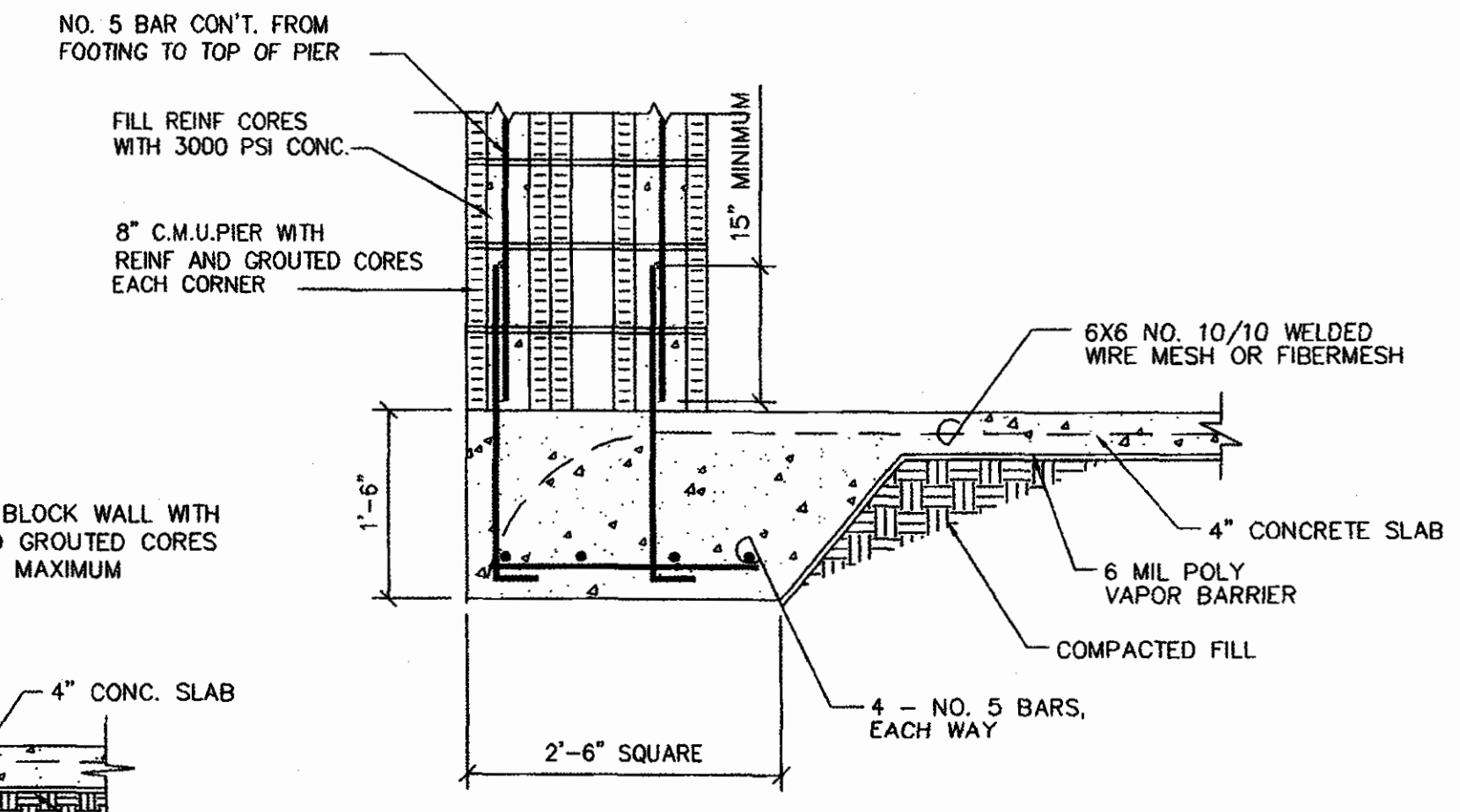
**SECTION D**  
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**SECTION E**  
SCALE: 3/4" = 1'-0"



**SECTION F**  
SCALE: 3/4" = 1'-0"



**SECTION G**  
SCALE: 3/4" = 1'-0"

**FOUNDATION NOTES**

- EXISTING GRASS AND ORGANIC MATERIAL SHALL BE REMOVED FROM UNDER THE BUILDING AND TO 5' BEYOND THE BUILDING PERIMETER TO A MINIMUM DEPTH OF 8". SUBGRADE SHALL BE COMPACTED TO 95% OF STANDARD DENSITY. FILL MATERIAL SHALL BE SAND CLAY CONTAINING NOT MORE THAN 30% CLAY BY VOLUME. FILL LAYERS SHALL NOT EXCEED 12" LOOSE DEPTH, AND SHALL BE COMPACTED TO 95% OF STANDARD DENSITY AT PLUS OR MINUS 2% OPTIMUM MOISTURE CONTENT.
- ALL CONCRETE SHALL TEST AT A MINIMUM OF 3000 PSI AT 28 DAYS.
- ALL REINFORCING STEEL TO BE GRADE 60.
- CONCRETE TO BE SEALED SONNEBORNE 0800 CURE AND SEAL.
- TREAT SOIL FOR TERMITES PRIOR TO PLACEMENT OF CONCRETE.
- FOOTINGS WERE DESIGNED FOR AN ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF. UNUSUAL OR UNEXPECTED SOILS PROBLEMS ENCOUNTERED DURING CONSTRUCTION SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION.

Orange Beach Teen Center  
Orange Beach, Alabama

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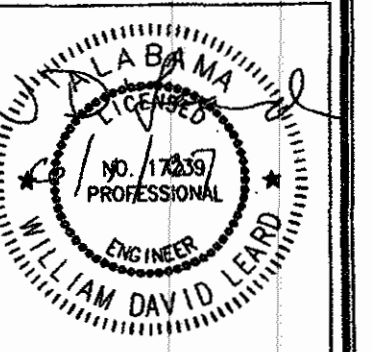
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DATA

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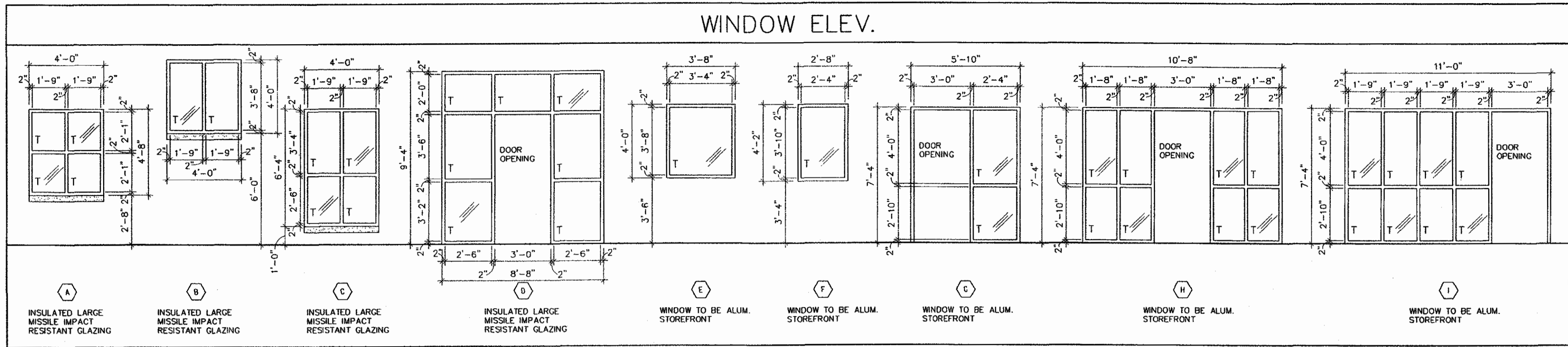
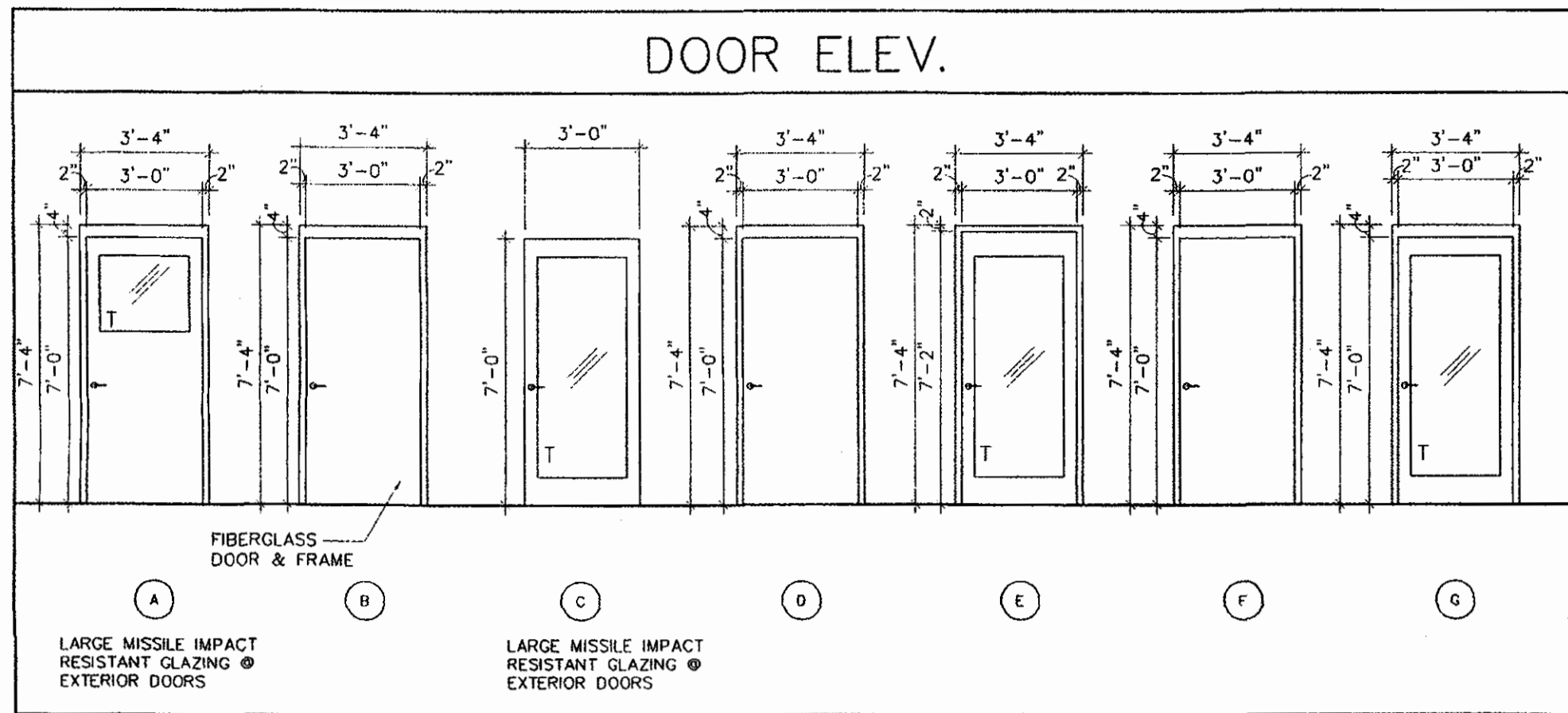
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FILE: FD06016

DATE: 3/16/07

FRANK A. DAGLEY & ASSOCIATES, INC.  
CONSULTING ENGINEERS MOBILE, ALABAMA



### DOOR SCHEDULE

QPC NO.	QPC TYPE	DOOR/OPENING				FRAME				REMARKS	
		W	H	NET CA	FG	NET CA	FG	PNT. PREFR.	FIRE RIG. / CLASS		
001	A	3'-0"	7'-0"	16	X	16	5 3/4"	X	-	HW-2	HOLLOW METAL FRAME
002	B	3'-0"	7'-0"	-	X	X	5 3/4"	X	X	HW-3	FIBERGLASS DOOR & FRAME
003	B	3'-0"	7'-0"	-	X	X	5 3/4"	X	X	HW-3	FIBERGLASS DOOR & FRAME
004	B	3'-0"	7'-0"	-	X	X	5 3/4"	X	X	HW-2	FIBERGLASS DOOR & FRAME
005	C	3'-0"	7'-0"	-	X	-	4 1/2"	-	X	HW-1	ALUM. STOREFRONT
006	D	3'-0"	7'-0"	16	X	16	5 7/8"	X	-	HW-4	HOLLOW METAL FRAME W/ STUD WALL
007	E	3'-0"	7'-2"	-	X	-	4 1/2"	-	X	HW-1	ALUM. STOREFRONT
008	E	3'-0"	7'-2"	-	X	-	4 1/2"	-	X	HW-1	ALUM. STOREFRONT
009	F	3'-0"	7'-0"	16	X	16	5 5/8"	X	-	HW-6	HOLLOW METAL FRAME
010	E	3'-0"	7'-2"	-	X	-	4 1/2"	-	X	HW-1	ALUM. STOREFRONT
011	F	3'-0"	7'-0"	16	X	16	5 5/8"	X	-	HW-5	HOLLOW METAL FRAME
012	E	3'-0"	7'-2"	-	X	-	4 1/2"	-	X	HW-1	ALUM. STOREFRONT
013	F	3'-0"	7'-0"	16	X	16	5 5/8"	X	-	HW-5	HOLLOW METAL FRAME
014	G	3'-0"	7'-0"	16	X	16	7 5/8"	X	-	HW-4	HOLLOW METAL FRAME
015	F	3'-0"	7'-0"	16	X	16	5 5/8"	X	-	HW-5	HOLLOW METAL FRAME
016	F	3'-0"	7'-0"	16	X	16	5 5/8"	X	-	HW-3	HOLLOW METAL FRAME
017	F	3'-0"	7'-0"	16	X	16	5 5/8"	X	-	HW-3	HOLLOW METAL FRAME

NOTE: 1. ALL FRAME DIMENSION REFER TO THROAT DEPTH  
NOTE: 2. FG DENOTES FIBERGLASS

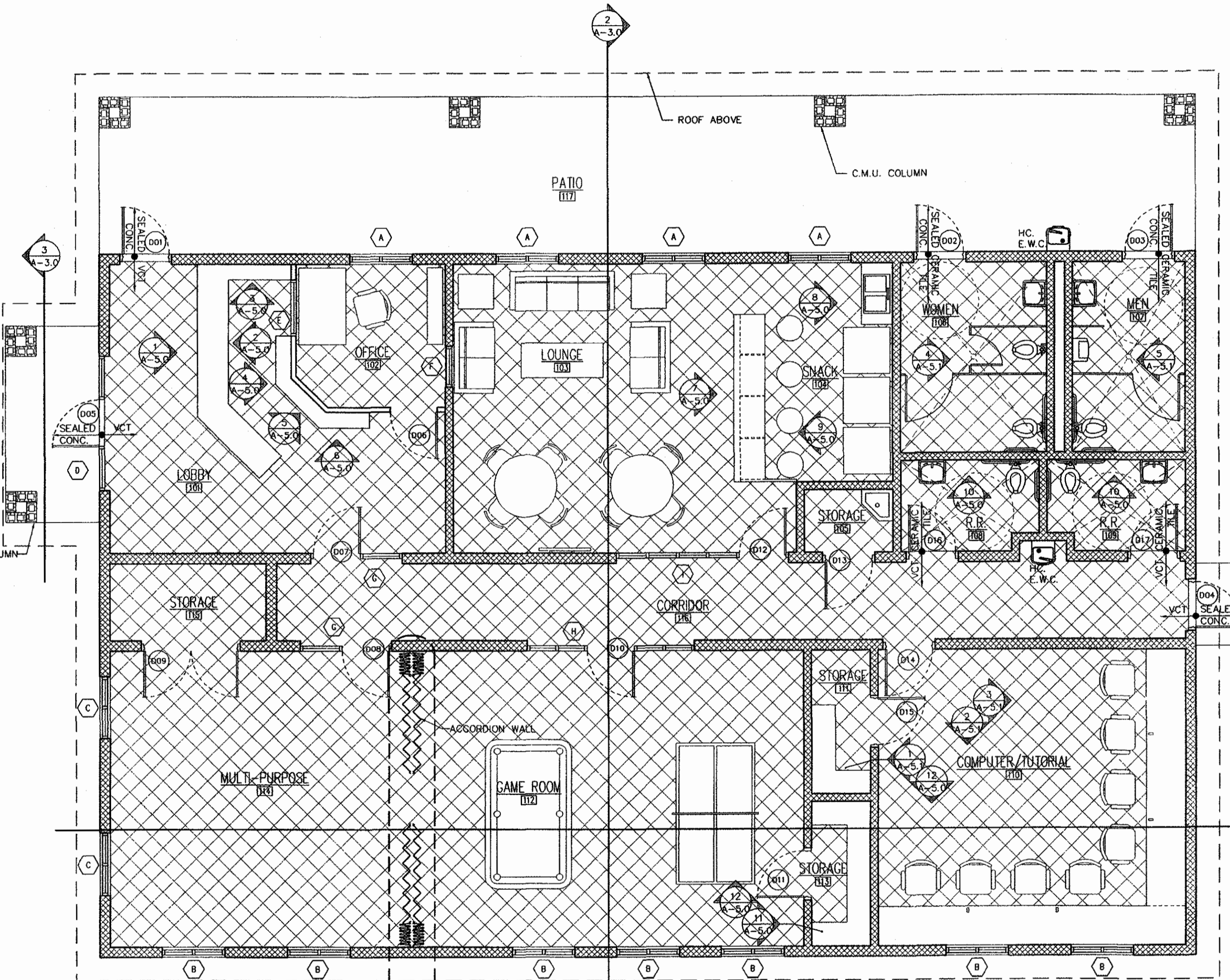
### WALL TYPES

NON-RATED INTERIOR METAL STUD PARTITION  
 3-5/8" METAL STUDS @ 16" O.C. W/ (1) LAYER 5/8" GYP. BD. EACH SIDE TO CEILING ABOVE.

NON-RATED EXTERIOR C.M.U. PARTITION  
 6" OR 8" C.M.U. PAINTED EACH SIDE TO SOFFIT OR CEILING ABOVE.

### HARDWARE SCHEDULE

MARK	DESCRIPTION
HW-1	OFFSET PIVOTS - MANUFACTURER'S STANDARD PULLS - CUSTOM CLOSERS - MANUFACTURER'S STANDARD HANDICAP THRESHOLD - MANUFACTURER'S STANDARD PANIC BAR W/ LOCK
HW-2	1 1/2" PAIR BALL BEARING HINGES PANIC BAR W/ LOCK CLOSER THRESHOLD HANDICAP THRESHOLD - MANUFACTURER'S STANDARD
HW-3	1 1/2" PAIR HINGES PRIVACY LOCK WALL BUMPER HANDICAP THRESHOLD - MANUFACTURER'S STANDARD
HW-4	1 1/2" PAIR HINGES LOCKSET WALL BUMPER CLOSER
HW-5	1 1/2" PAIR HINGES LOCKSET WALL BUMPER
HW-6	3 PAIR HINGES LOCKSET 2 WALL BUMPERS

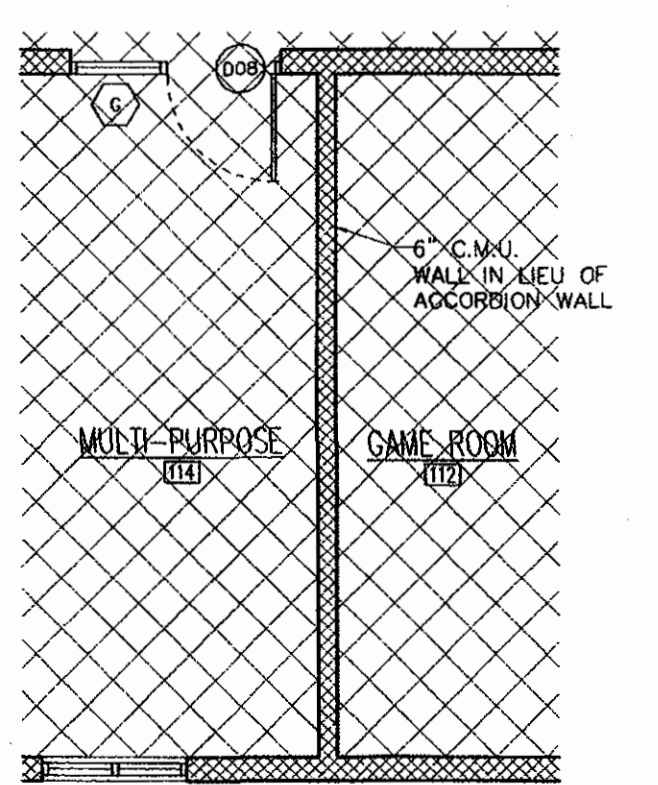


### FINISH SCHEDULE

NUMBER	ROOM	FLOOR	FLOOR	WALLS	CEILING
101	LOBBY	VCT	RUBBER BASE	PT. CIP. BD. & C.M.U.	2X2 LAYN A.C.
102	OFFICE	VCT	RUBBER BASE	PT. CIP. BD. & C.M.U.	2X2 LAYN A.C.
103	LOUNGE	VCT	RUBBER BASE	PAINTED C.M.U.	2X2 LAYN A.C.
104	SNACK	VCT	RUBBER BASE	PAINTED C.M.U.	2X2 LAYN A.C.
105	STORAGE	VCT	RUBBER BASE	PAINTED C.M.U.	PAINTED GYP. BD.
106	WOMEN	CERAMIC TILE	CERAMIC COVE	PAINTED C.M.U.	PAINTED GYP. BD.
107	MEN	CERAMIC TILE	CERAMIC COVE	PAINTED C.M.U.	PAINTED GYP. BD.
108	R.R.	CERAMIC TILE	CERAMIC COVE	PAINTED C.M.U.	PAINTED GYP. BD.
109	R.R.	CERAMIC TILE	CERAMIC COVE	PAINTED C.M.U.	PAINTED GYP. BD.
110	COMPUTER/TUTORIAL	VCT	RUBBER BASE	PAINTED C.M.U.	2X2 LAYN A.C.
111	STORAGE	VCT	RUBBER BASE	PAINTED C.M.U.	2X2 LAYN A.C.
112	CAMEROM	VCT	RUBBER BASE	PAINTED C.M.U.	2X2 LAYN A.C.
113	STORAGE	VCT	RUBBER BASE	PAINTED C.M.U.	2X2 LAYN A.C.
114	MULTI-PURPOSE	VCT	RUBBER BASE	PAINTED C.M.U.	2X2 LAYN A.C.
115	STORAGE	VCT	RUBBER BASE	PAINTED C.M.U.	2X2 LAYN A.C.
116	CORRIDOR	VCT	RUBBER BASE	PAINTED C.M.U.	2X2 LAYN A.C.
117	PATIO	SEALED CONCRETE	-	PAINTED C.M.U.	ALUM. SOFFIT

Provide Accessibility for Built-in furnishings per ICC/ANSI A117.1-1998 section 902.

**1 FLOOR PLAN**  
A-1.0  
3/16" = 1'-0"



**2 ALTERNATE #1**  
A-1.0  
3/16" = 1'-0"

**Orange Beach Teen Center**  
 Alabama  
 Orange Beach

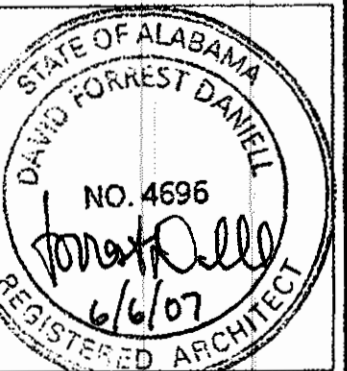
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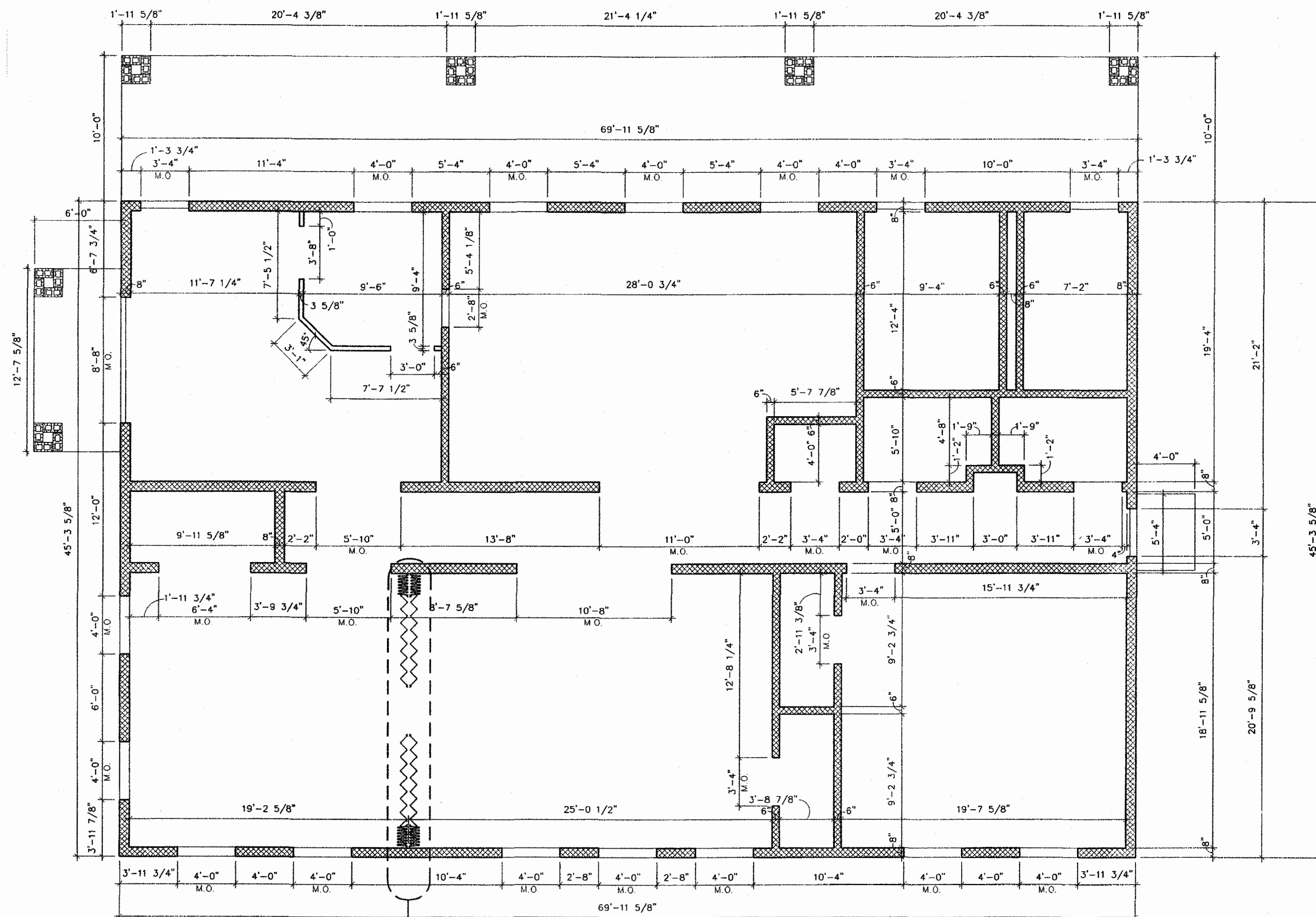
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T.D.

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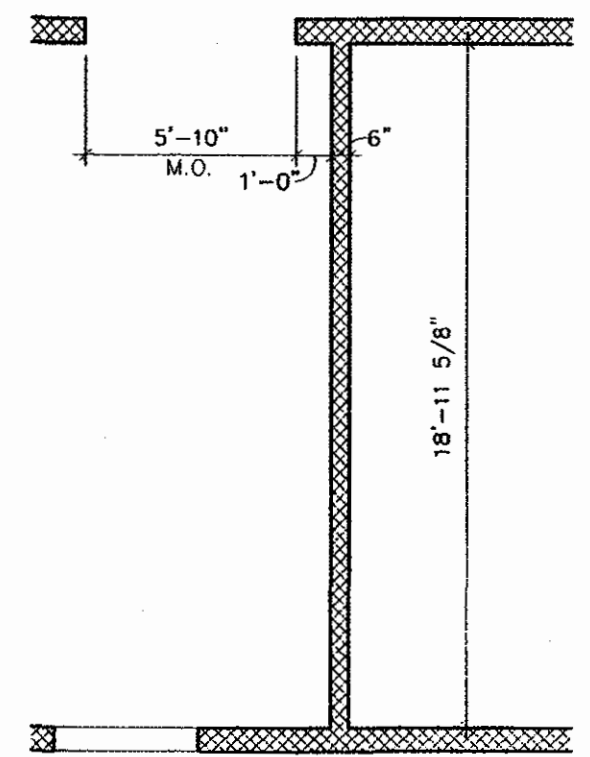


FILE: FD06033  
DATE: 5/30/07

**A-1.0**  
FLOOR PLAN



1 DIMENSION PLAN  
 3/16" = 1'-0"



2 ALTERNATE #1  
 3/16" = 1'-0"

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 Orange Beach, Alabama

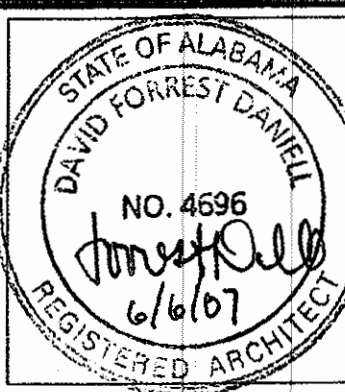
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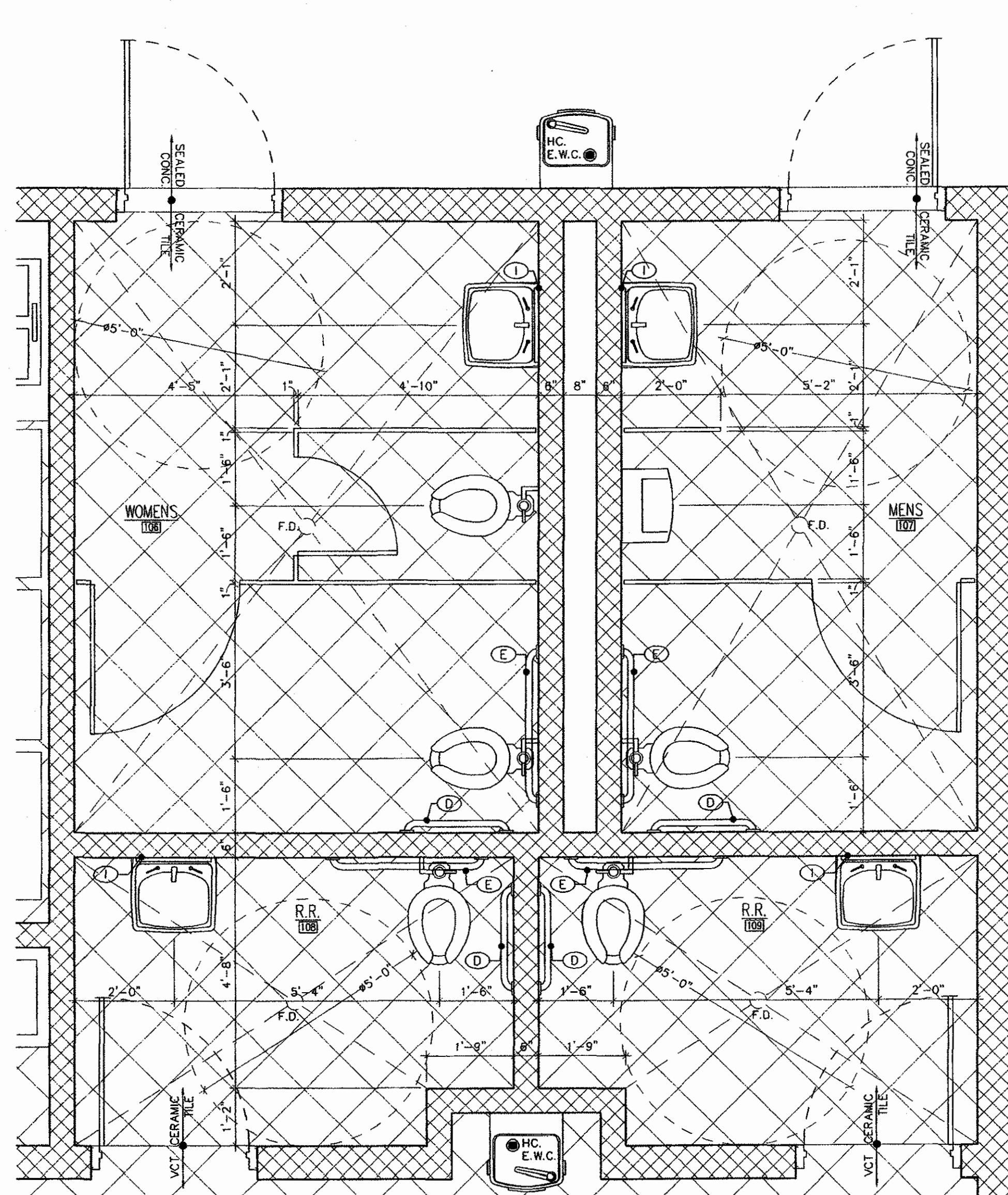
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FILE NAME: F06033-A1.dwg
T.D.

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FILE: F06033  
 DATE: 5/30/07

A-1.1  
 DIMENSION PLAN



1 ENLARGEMENT PLAN  
 A-1.2 1/2" = 1'-0"

ACCESSORIES SCHEDULE					MARK (D)
MARK	DESCRIPTION	MANUF.	MODEL NO.	REMARKS	
(D)	NOT USED				
(D)	NOT USED				
(D)	NOT USED				
(D)	24" SIDE GRAB BAR	BOBRICK	B-5805		
(D)	36" SIDE GRAB BAR	BOBRICK	B-5805		
(D)	NOT USED				
(D)	NOT USED				
(D)	NOT USED				
(D)	MIRROR (SEE INTERIOR ELEVATION FOR SIZE)	BOBRICK	B-290		
(D)	NOT USED				

NOTE: EQUAL BRANDS MAY BE SUBSTITUTED FOR ALL ACCESSORIES, WITH ARCHITECT'S APPROVAL.  
 TOILET ACCESSORIES TO BE FURNISHED & INSTALLED BY OWNER

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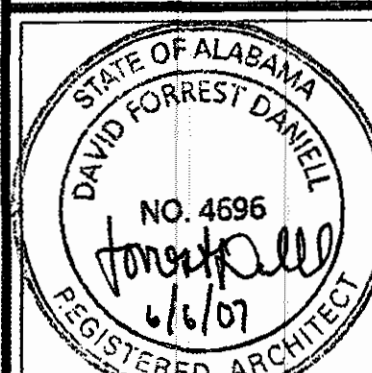
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DATA  
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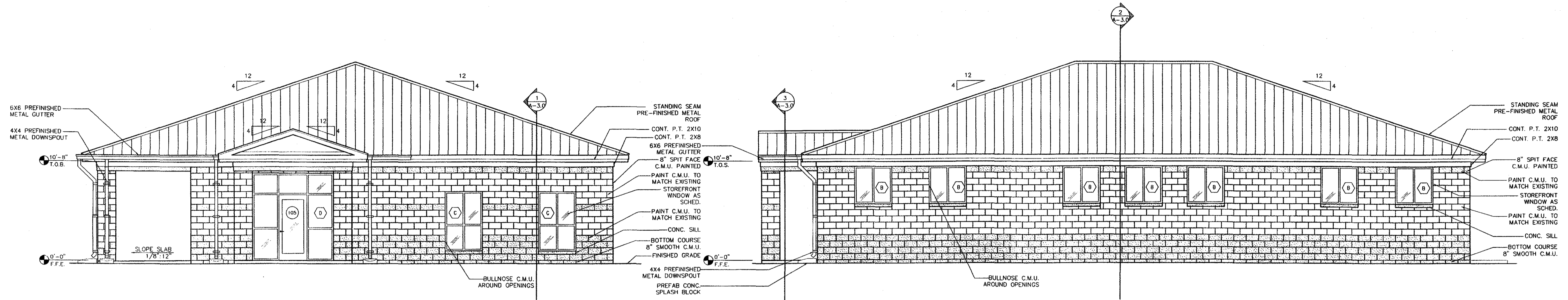
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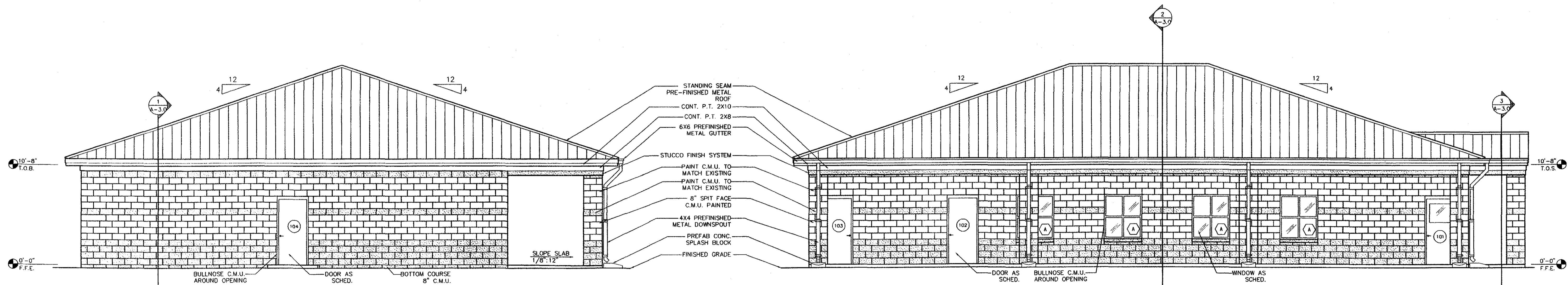
A-1.2  
 ENLARGEMENT PLAN





1 LEFT ELEVATION  
A-2.0  
3/16" = 1'-0"

2 FRONT ELEVATION  
A-2.0  
3/16" = 1'-0"



3 RIGHT ELEVATION  
A-2.0  
3/16" = 1'-0"

4 REAR ELEVATION  
A-2.0  
3/16" = 1'-0"

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DATA

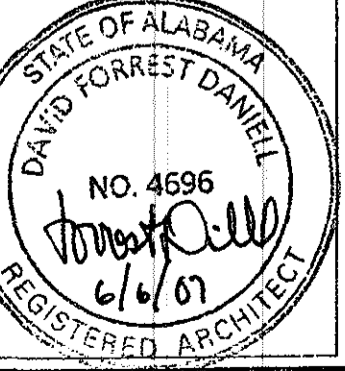
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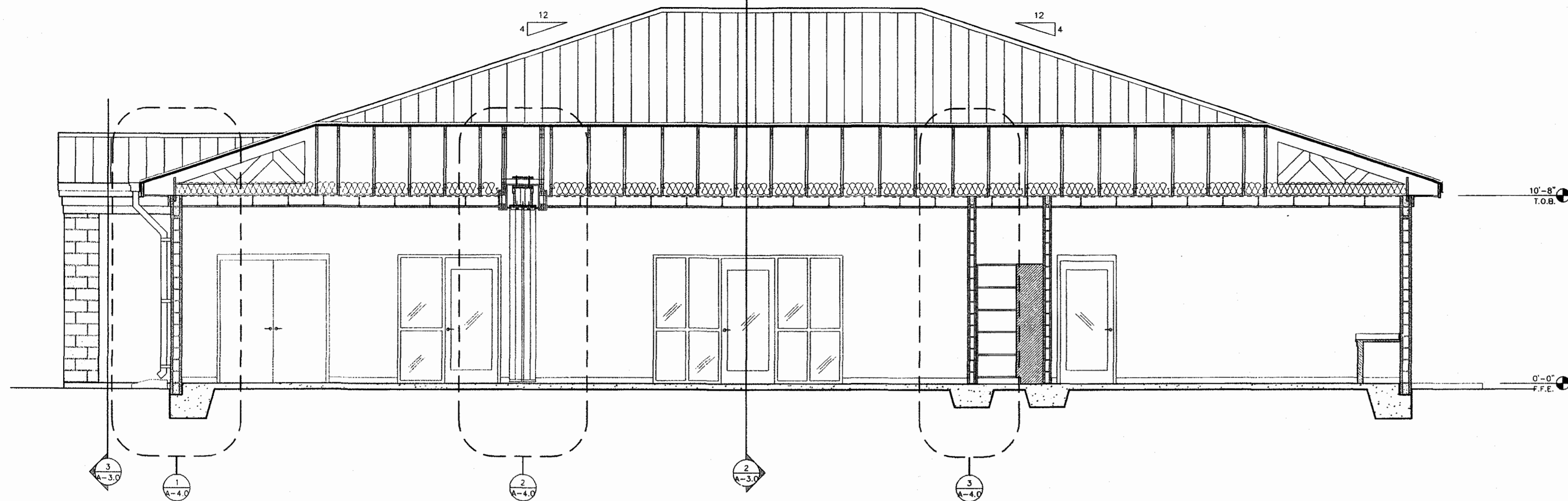
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NO.	DESCRIPTION

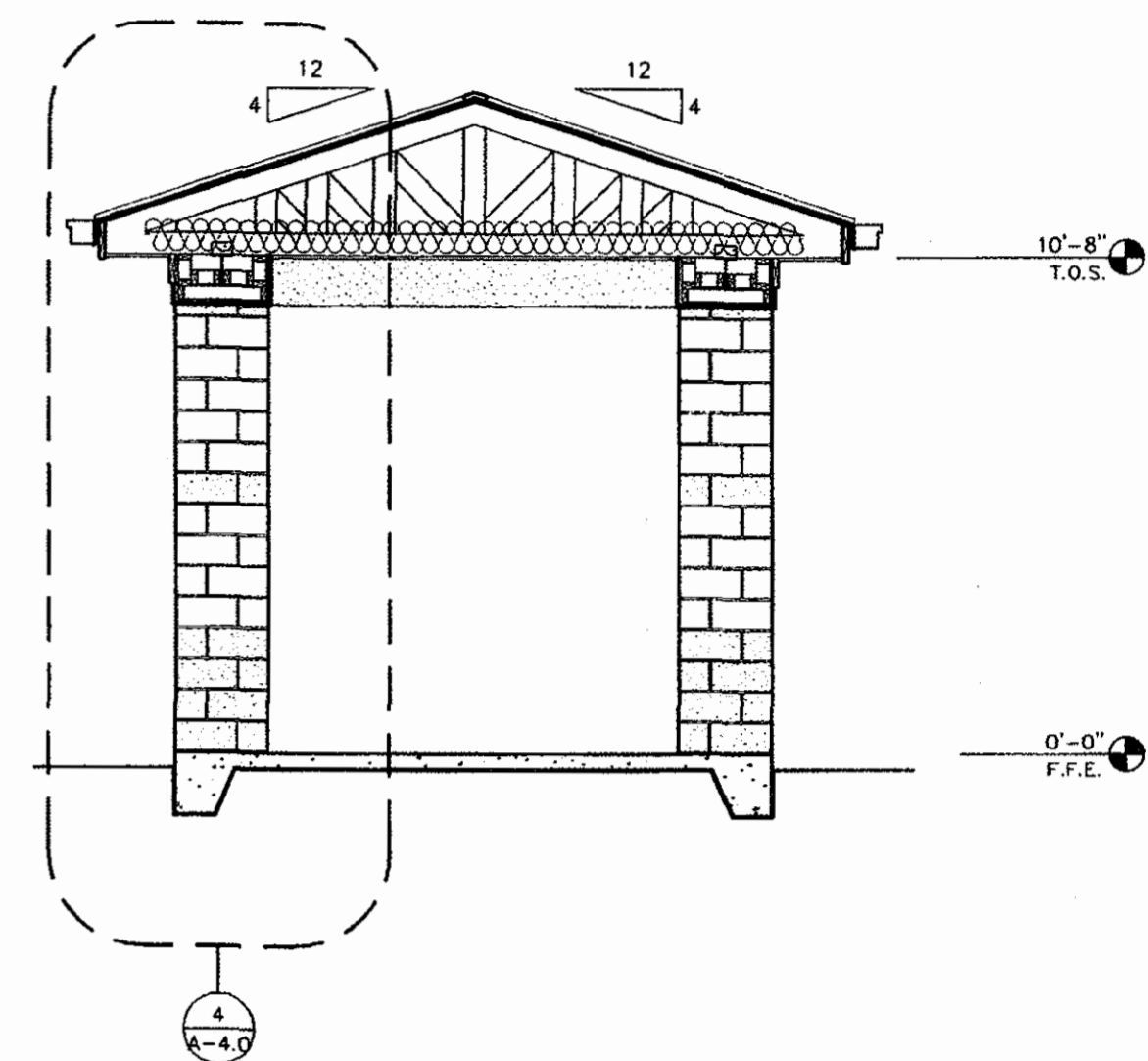


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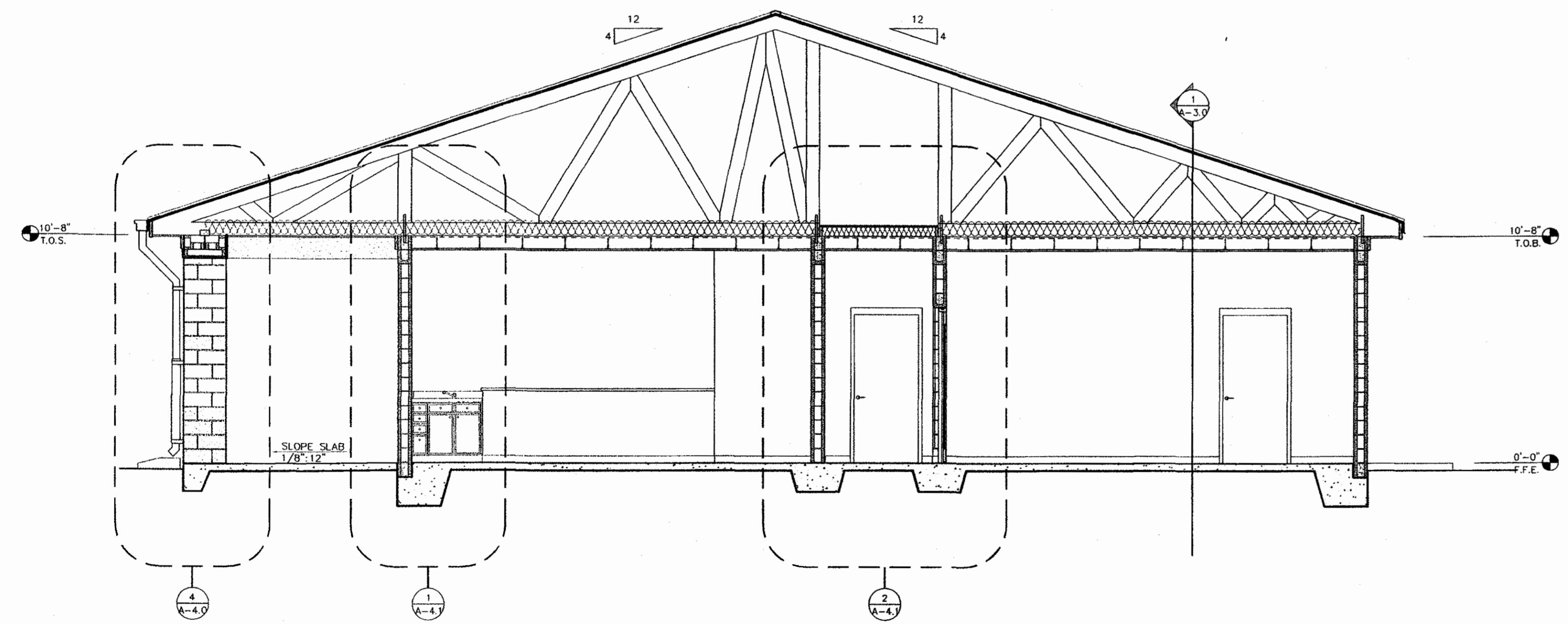
**A-2.0**  
ELEVATIONS



1 BUILDING SECTION  
A-3.0  
1/4" = 1'-0"



3 CANOPY SECTION  
A-3.0  
1/4" = 1'-0"



2 BUILDING SECTION  
A-3.0  
1/4" = 1'-0"

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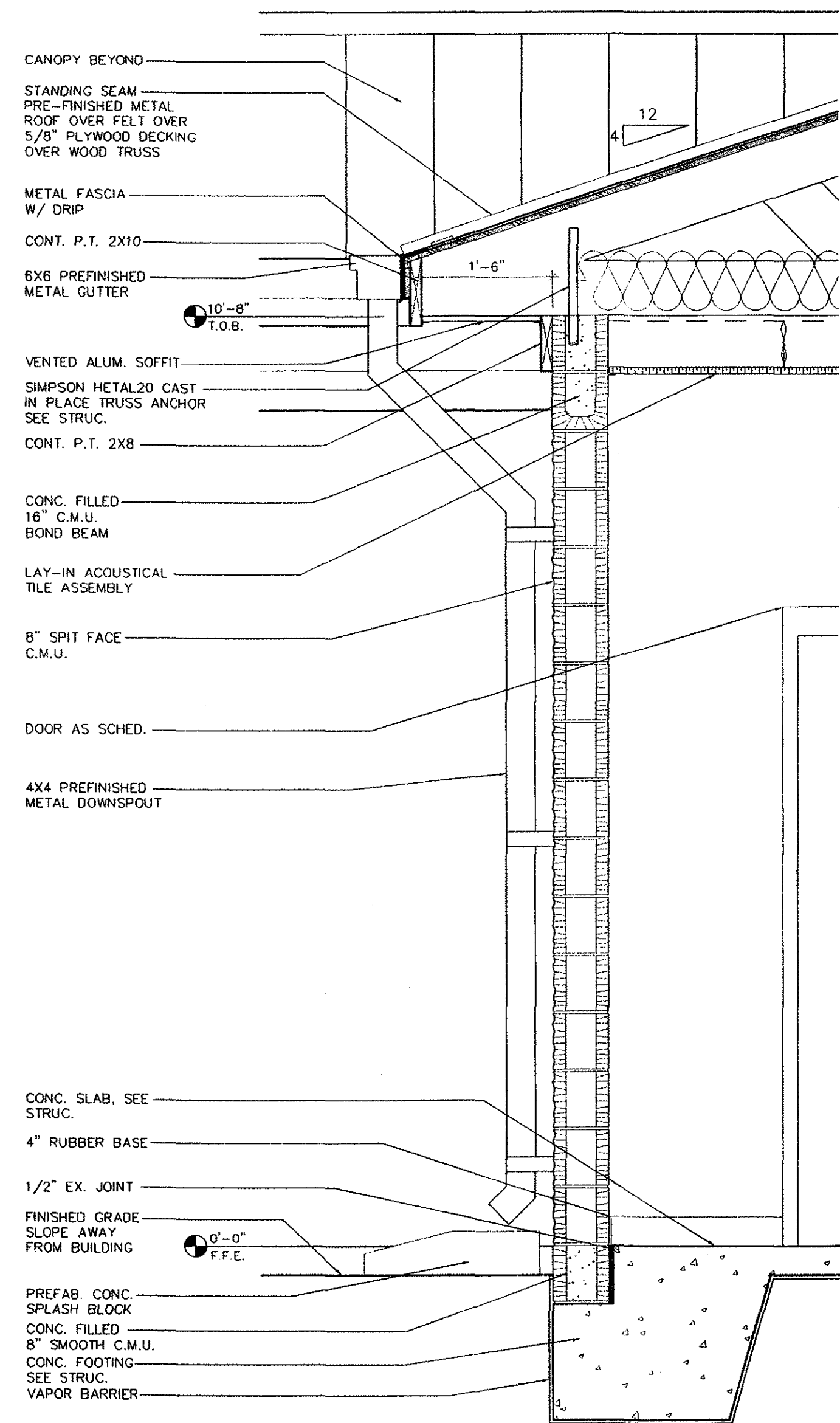
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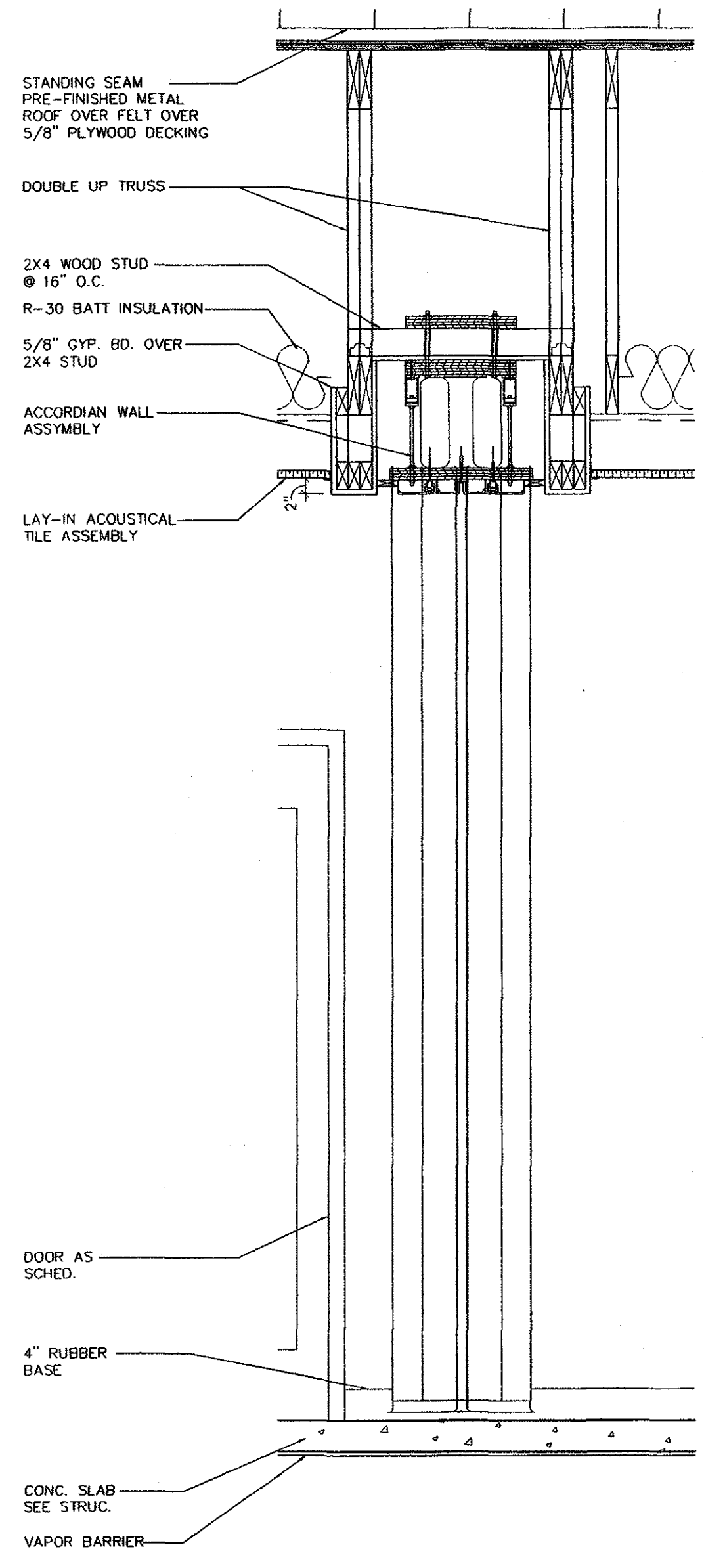


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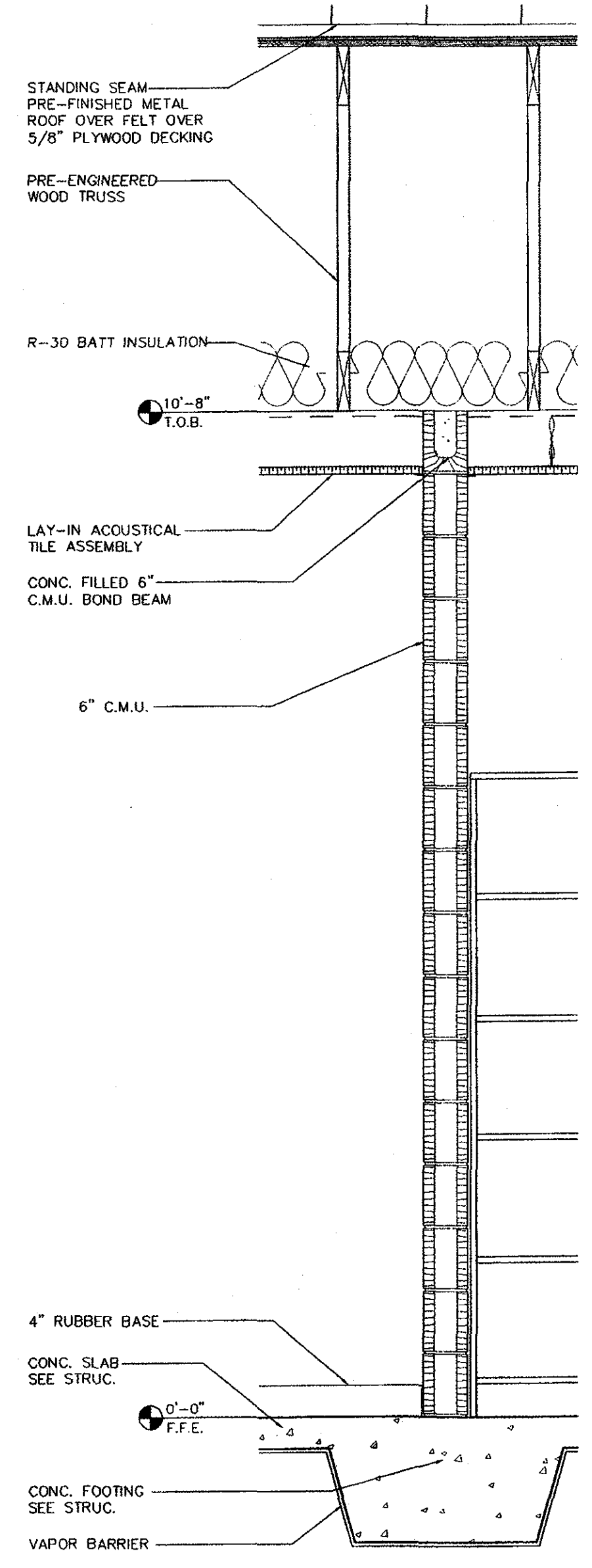
**A-3.0**  
BUILDING SECTION



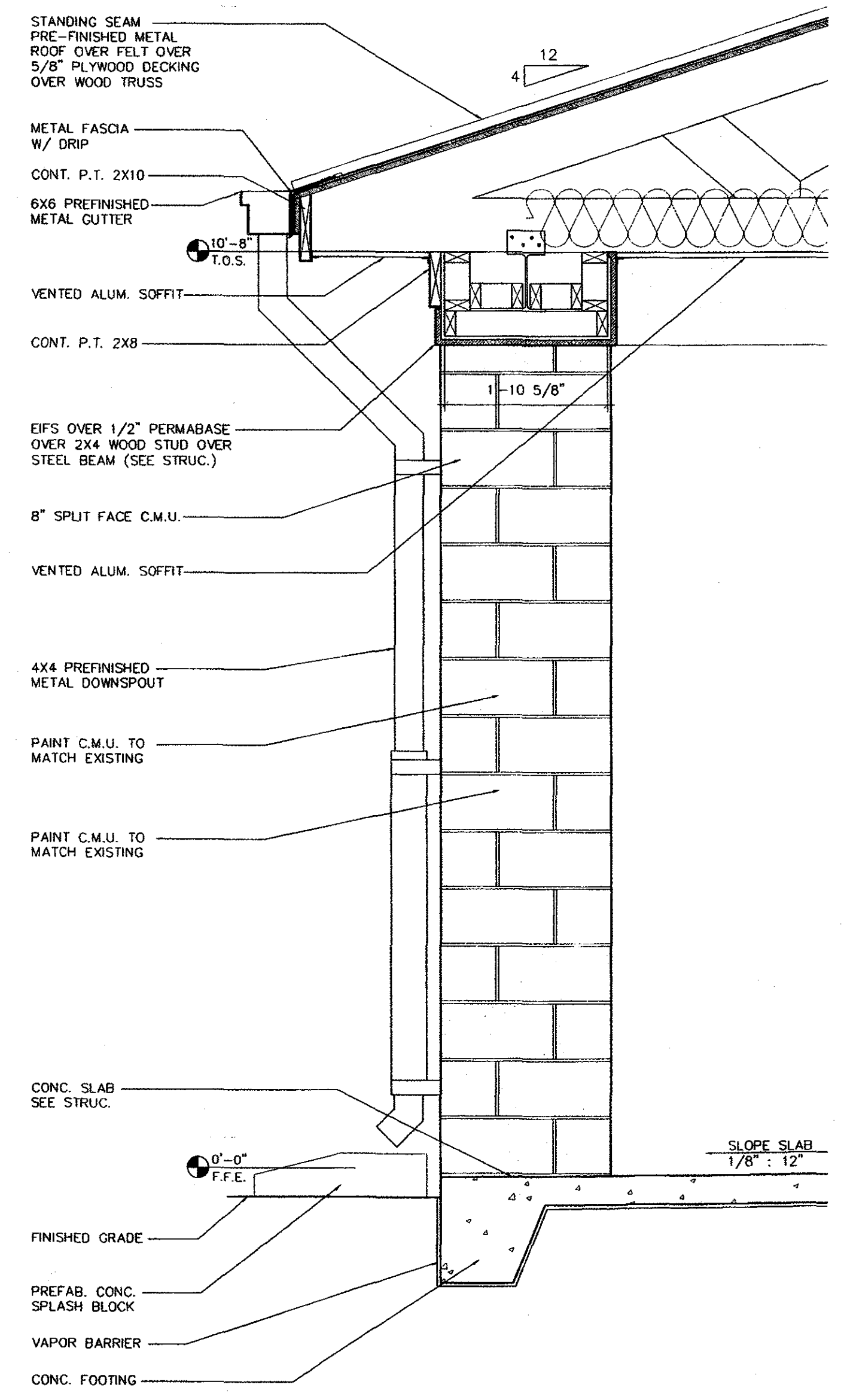
1 WALL SECTION  
A-4.0 3/4" = 1'-0"



2 ACCORDION WALL SECTION  
A-4.0 3/4" = 1'-0"



2 WALL SECTION  
A-4.0 3/4" = 1'-0"



3 WALL SECTION  
A-4.0 3/4" = 1'-0"

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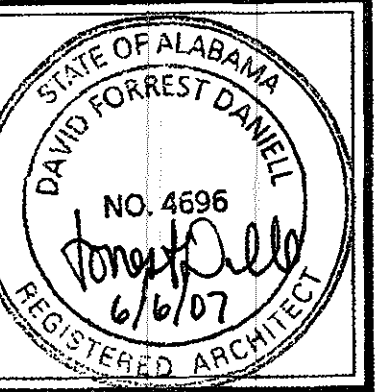
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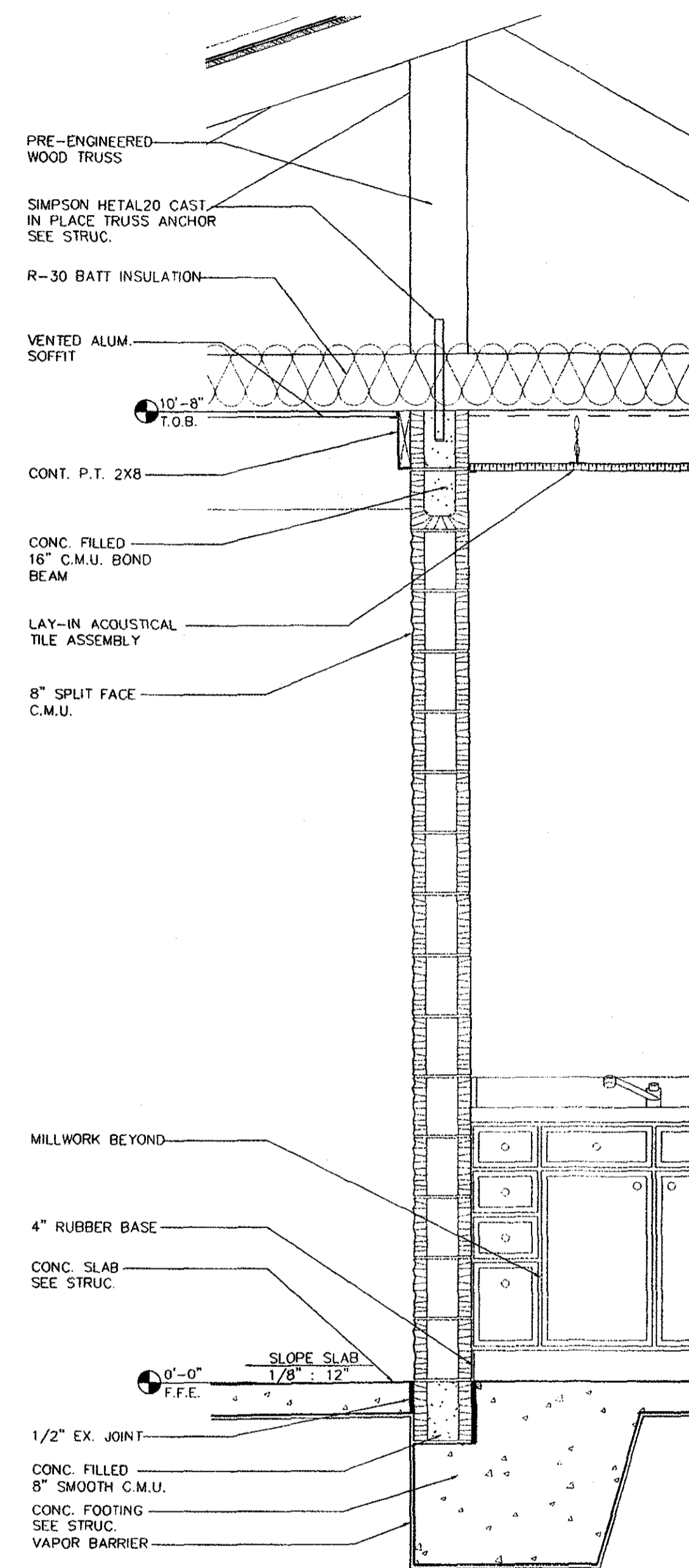
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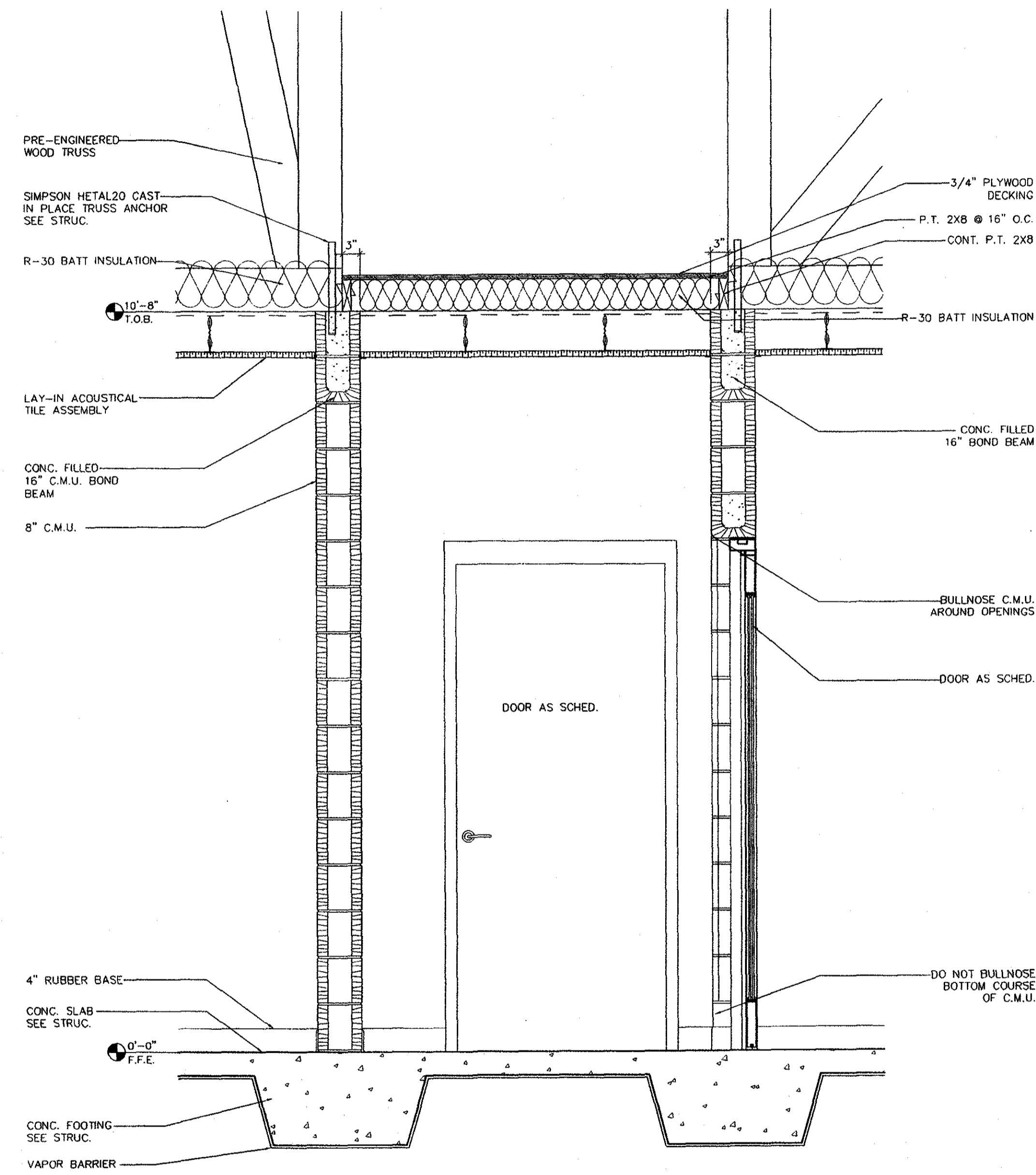


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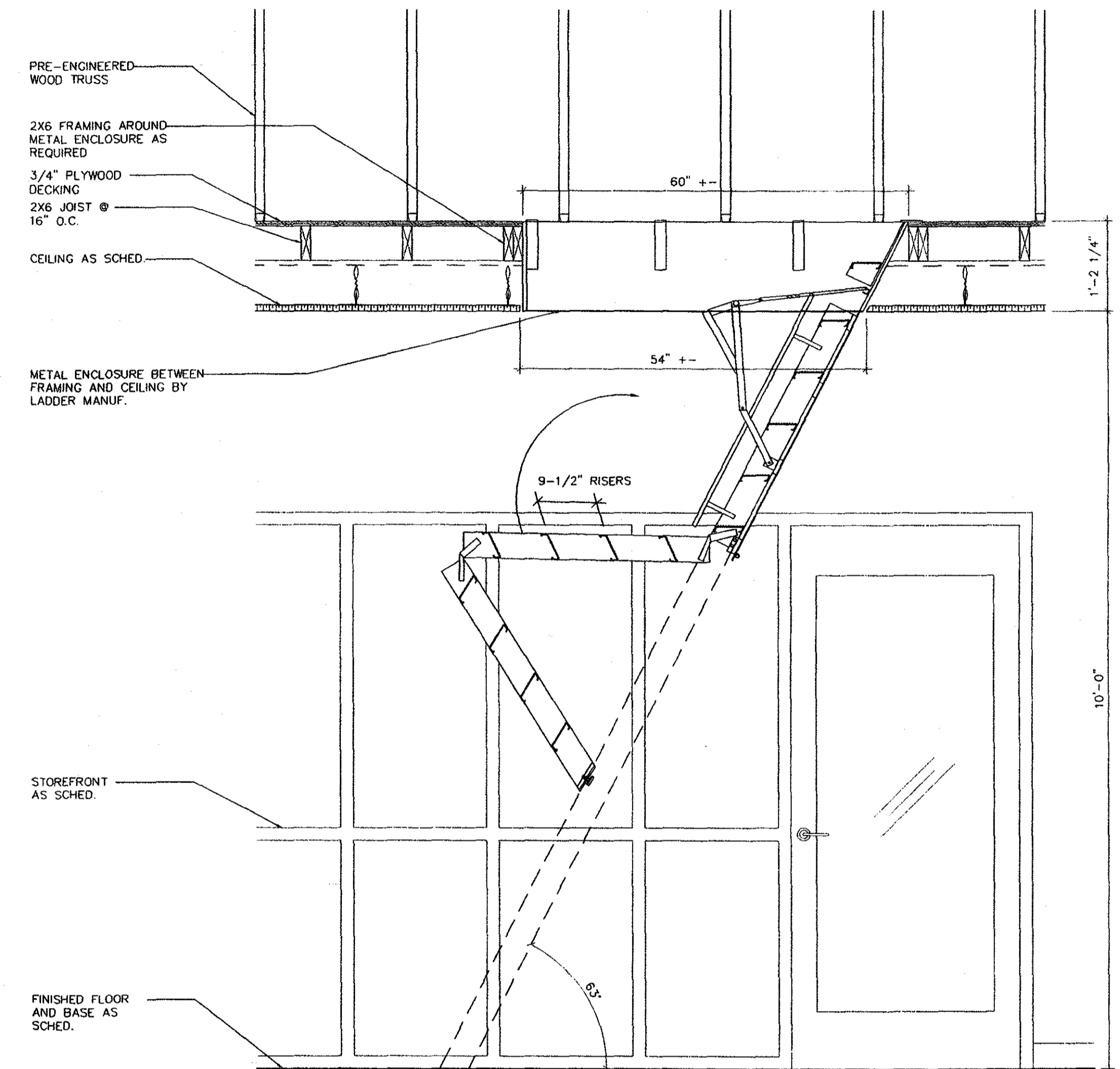
A-4.0  
WALL SECTION



1 WALL SECTION  
A-4.1 3/4" = 1'-0"



2 HVAC ACCESS  
A-4.1 3/4" = 1'-0"



3 LADDER SECTION  
A-4.1 3/4" = 1'-0"

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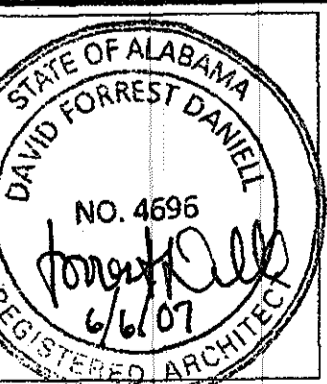
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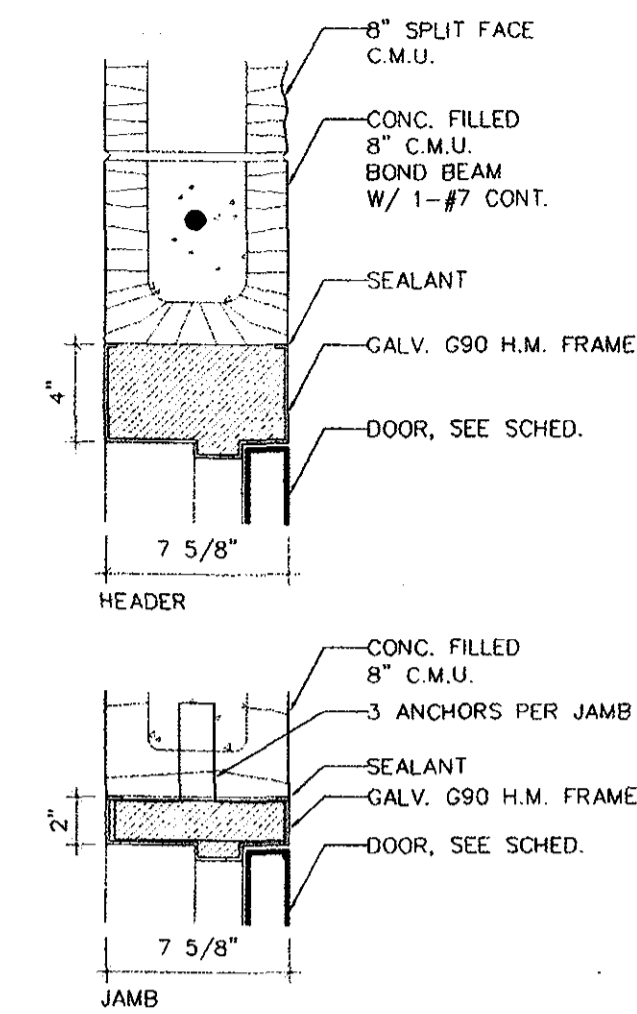
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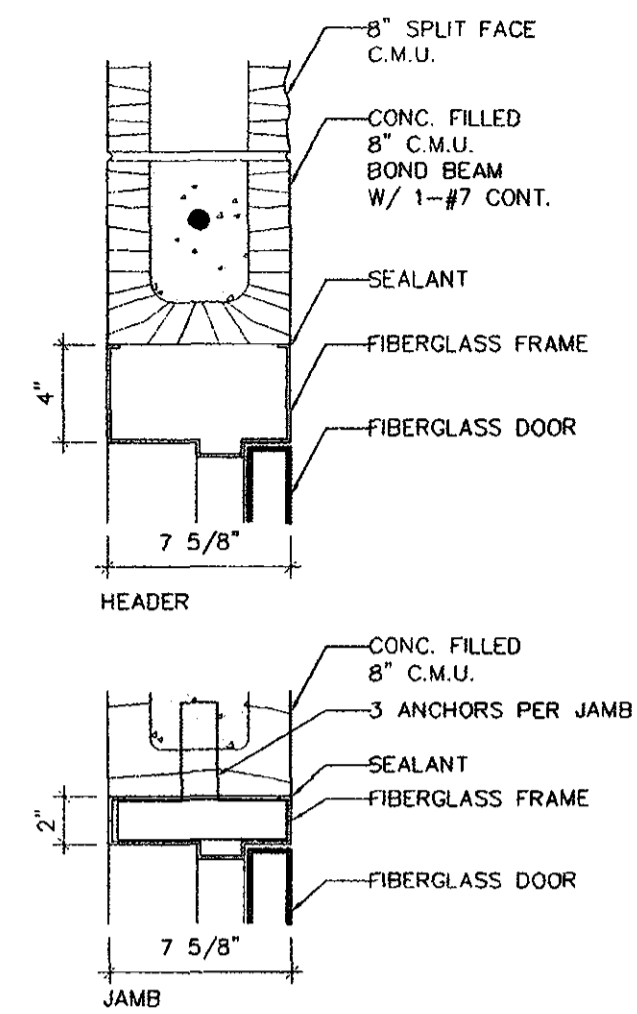


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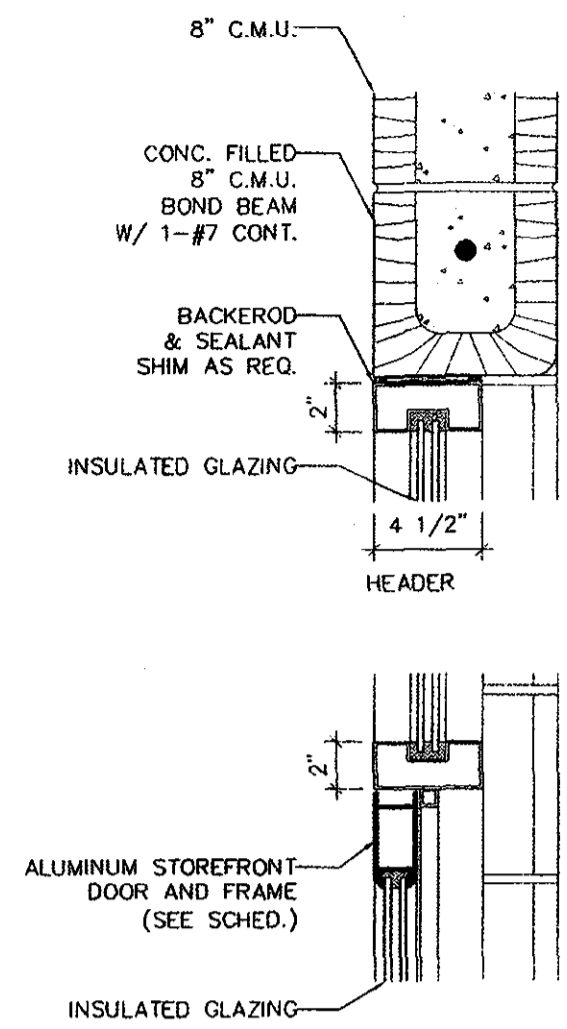
**A-4.1**  
WALL SECTION



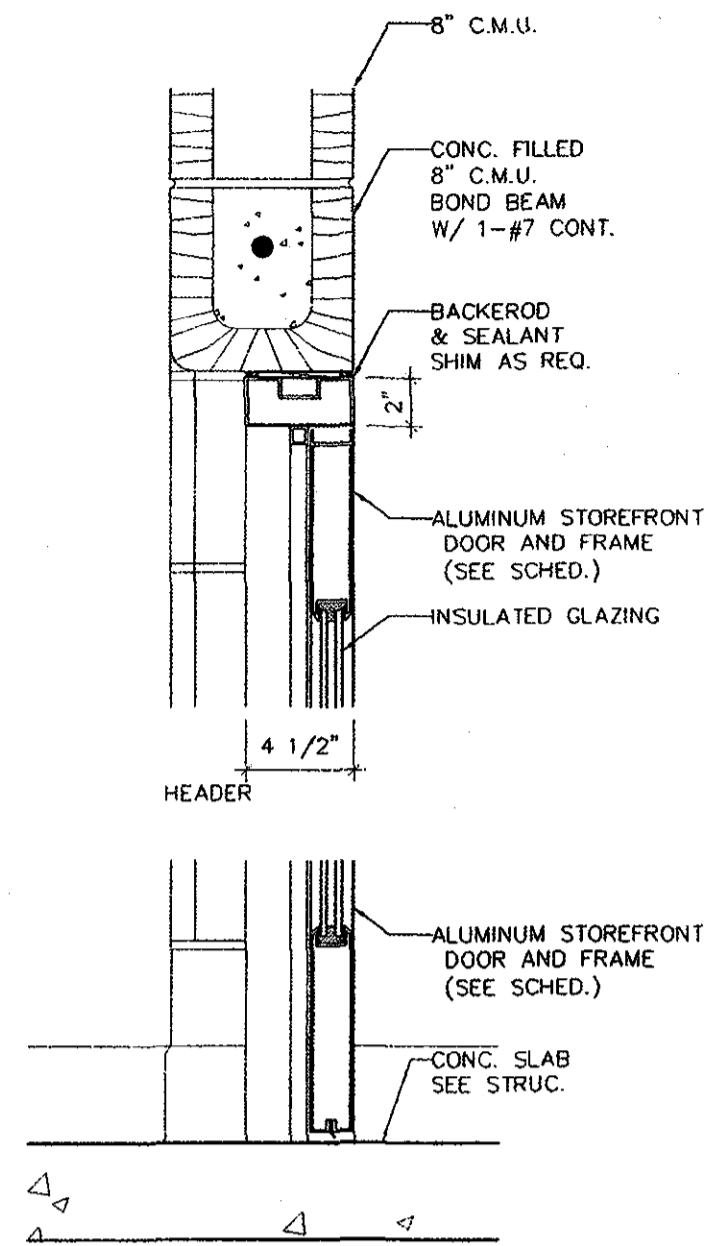
1 FRAME DETAIL  
A-4.2 1-1/2" = 1'-0"



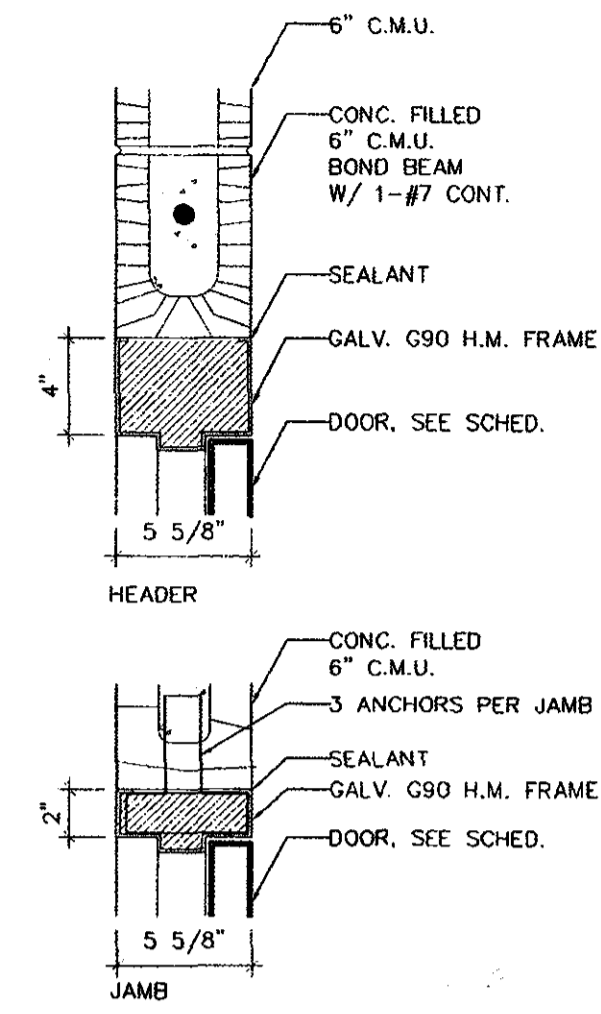
2 FRAME DETAIL  
A-4.2 1-1/2" = 1'-0"



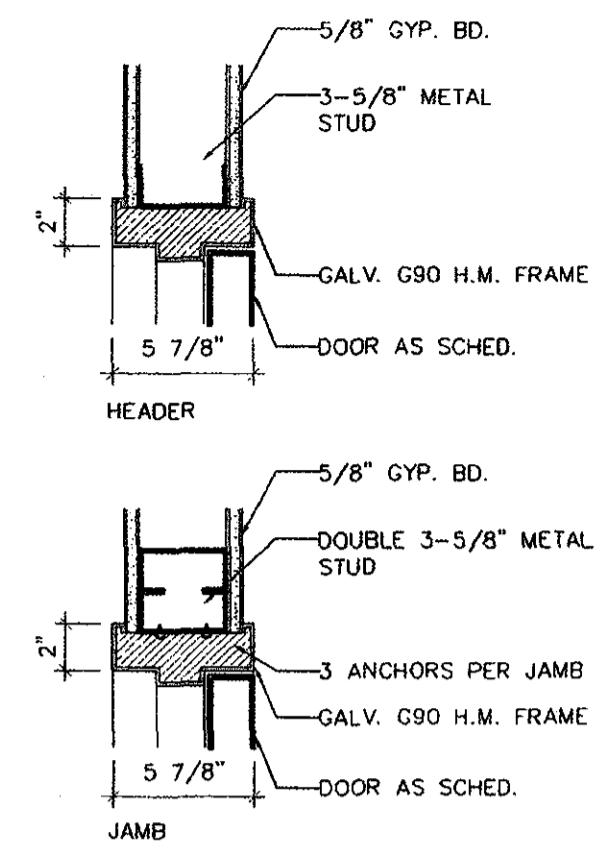
3 FRAME DETAIL  
A-4.2 1-1/2" = 1'-0"



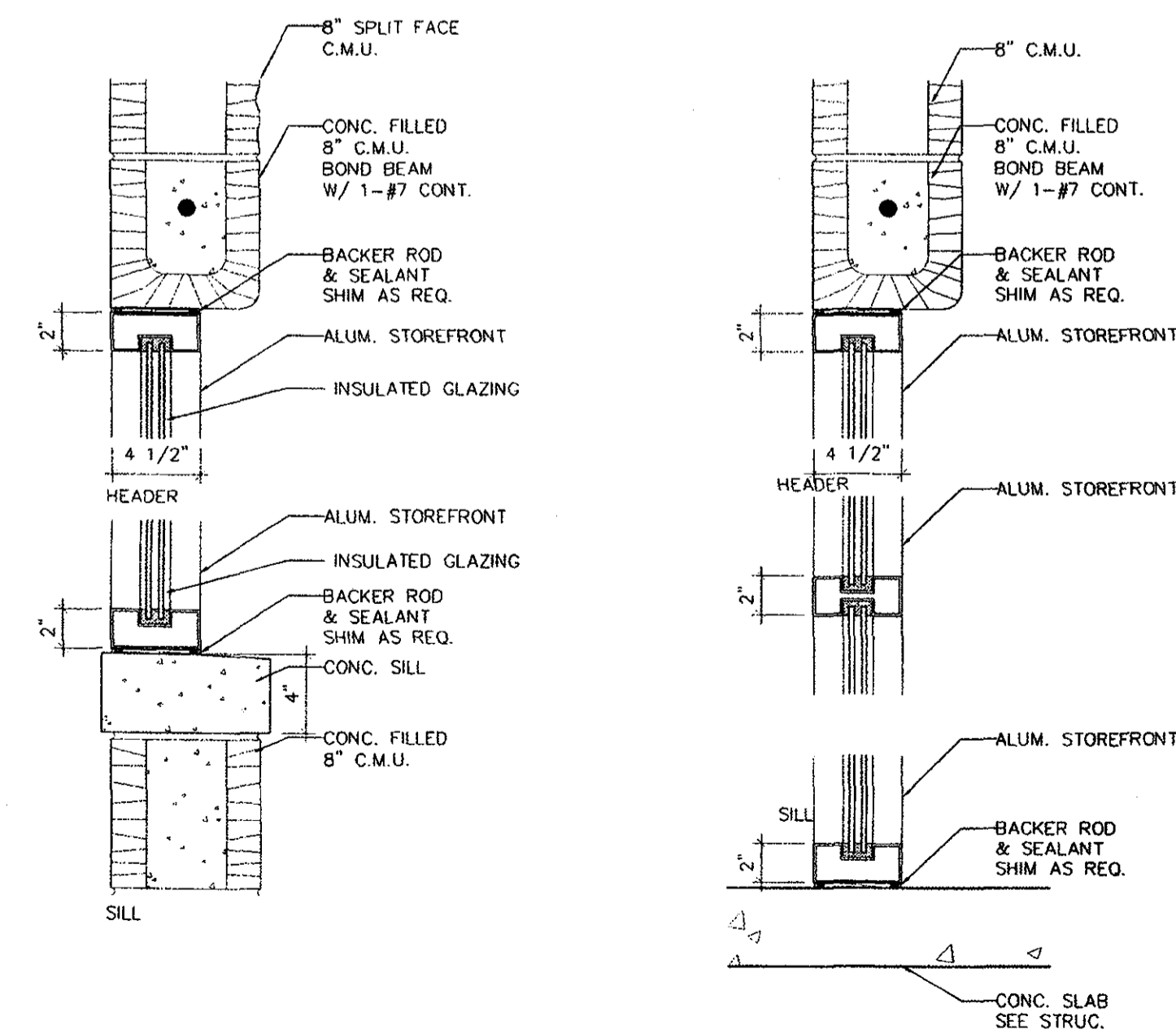
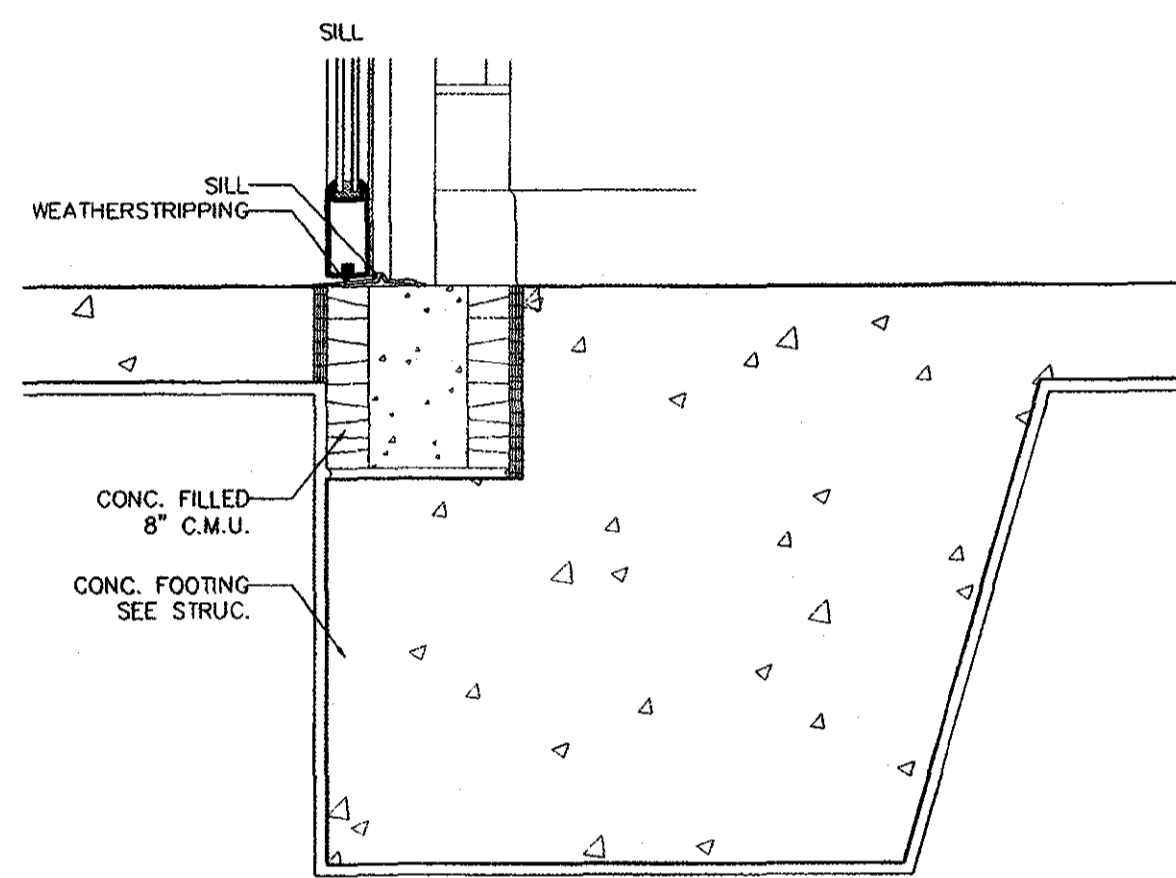
4 FRAME DETAIL  
A-4.2 1-1/2" = 1'-0"



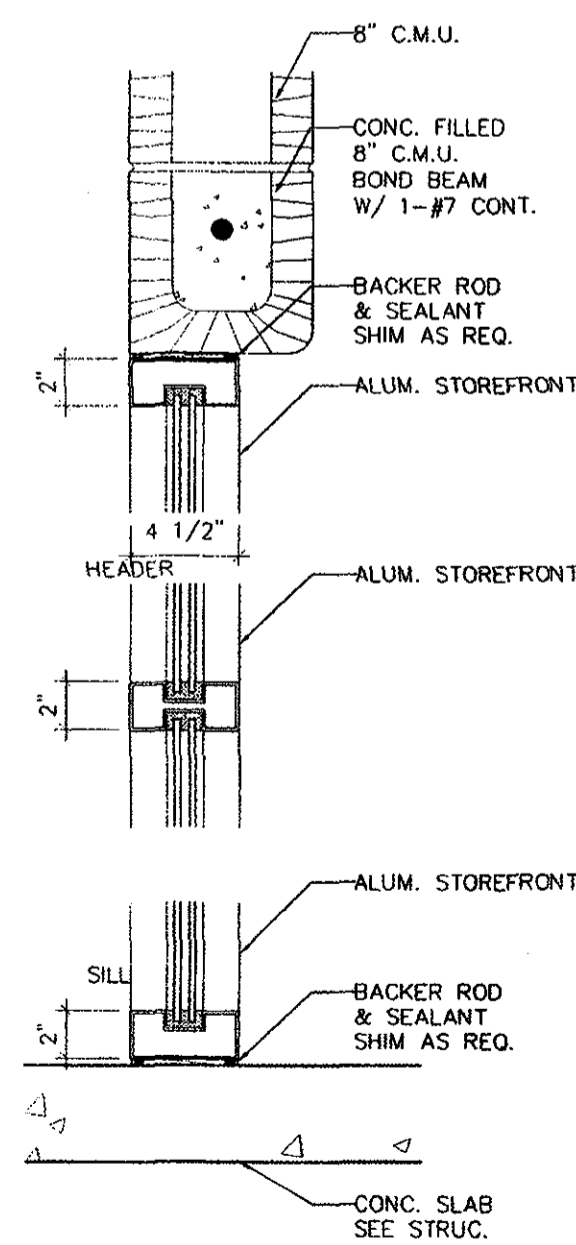
5 FRAME DETAIL  
A-4.2 1-1/2" = 1'-0"



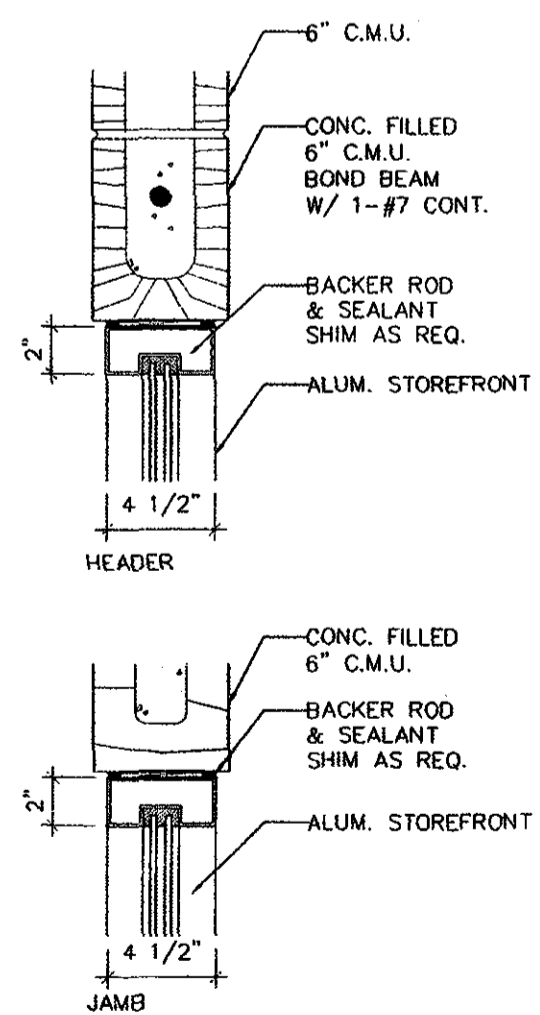
6 FRAME DETAIL  
A-4.2 1-1/2" = 1'-0"



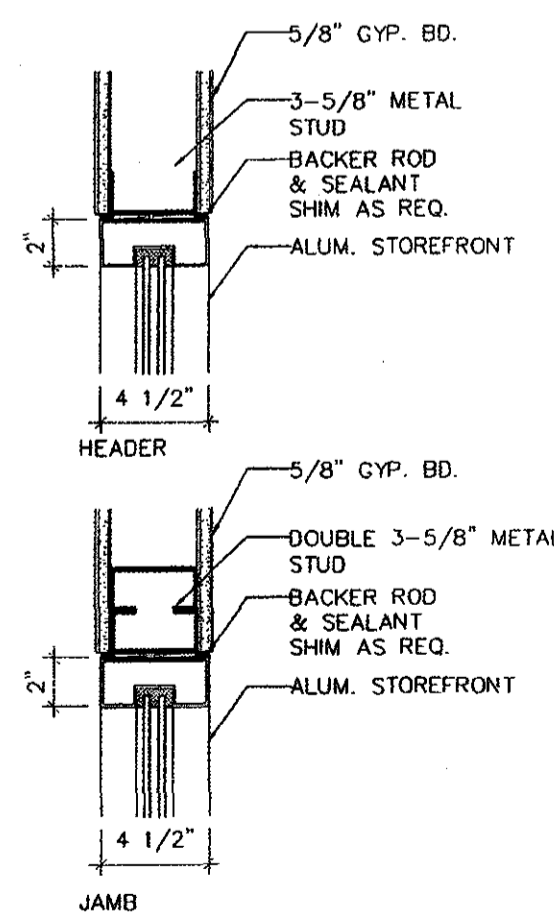
7 FRAME DETAIL  
A-4.2 1-1/2" = 1'-0"



8 FRAME DETAIL  
A-4.2 1-1/2" = 1'-0"



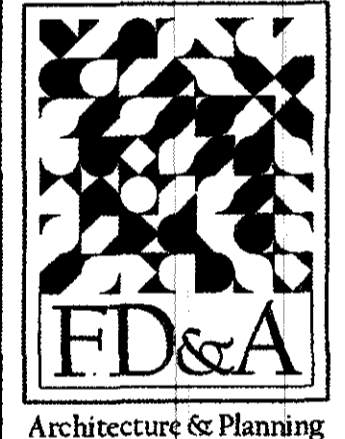
9 FRAME DETAIL  
A-4.2 1-1/2" = 1'-0"



10 FRAME DETAIL  
A-4.2 1-1/2" = 1'-0"

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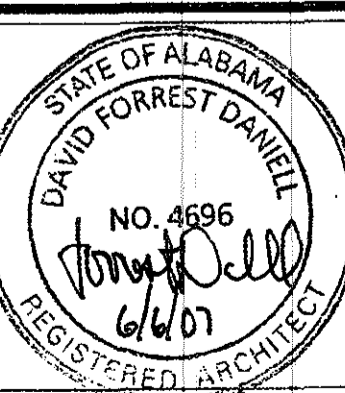
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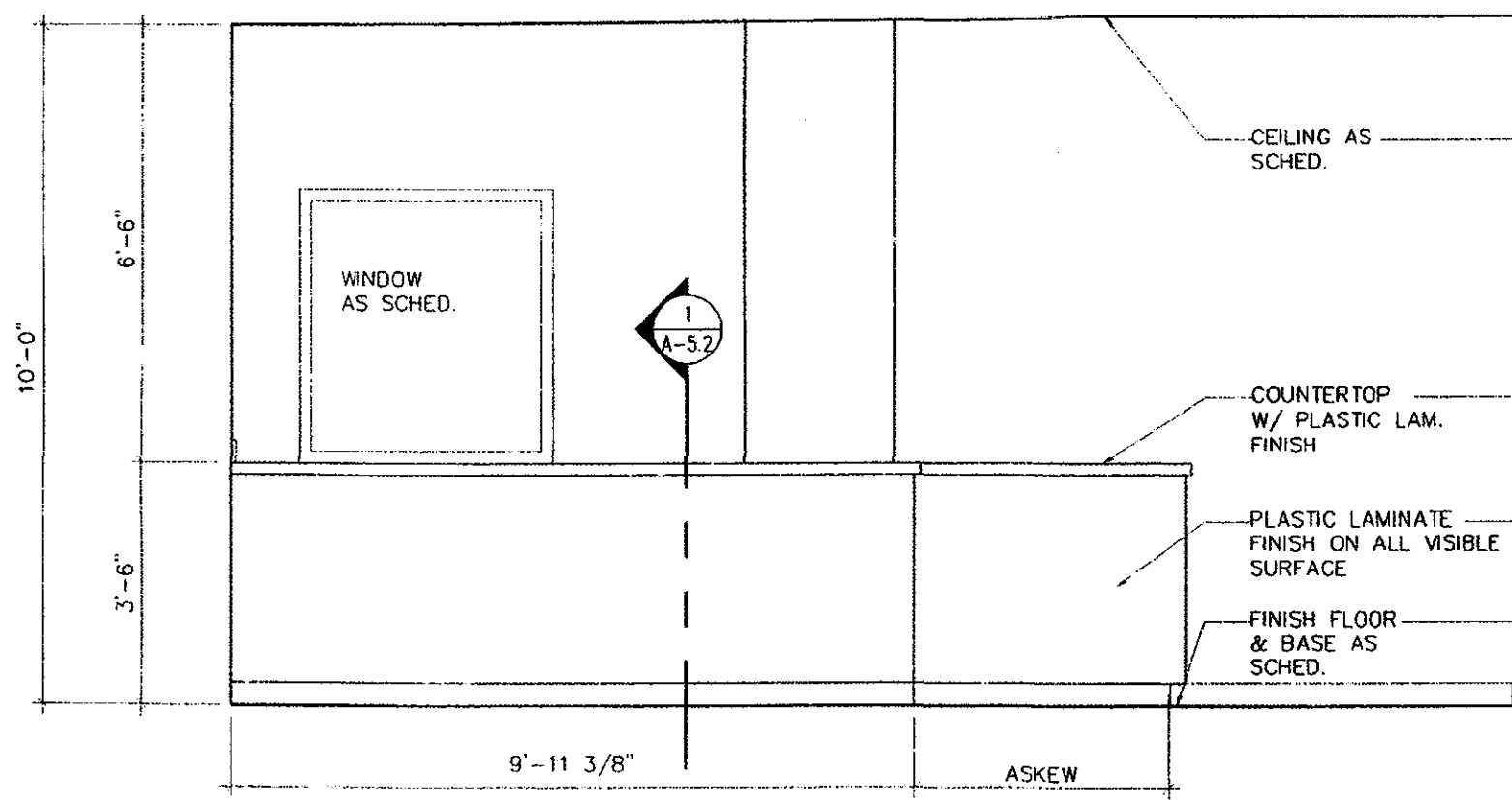
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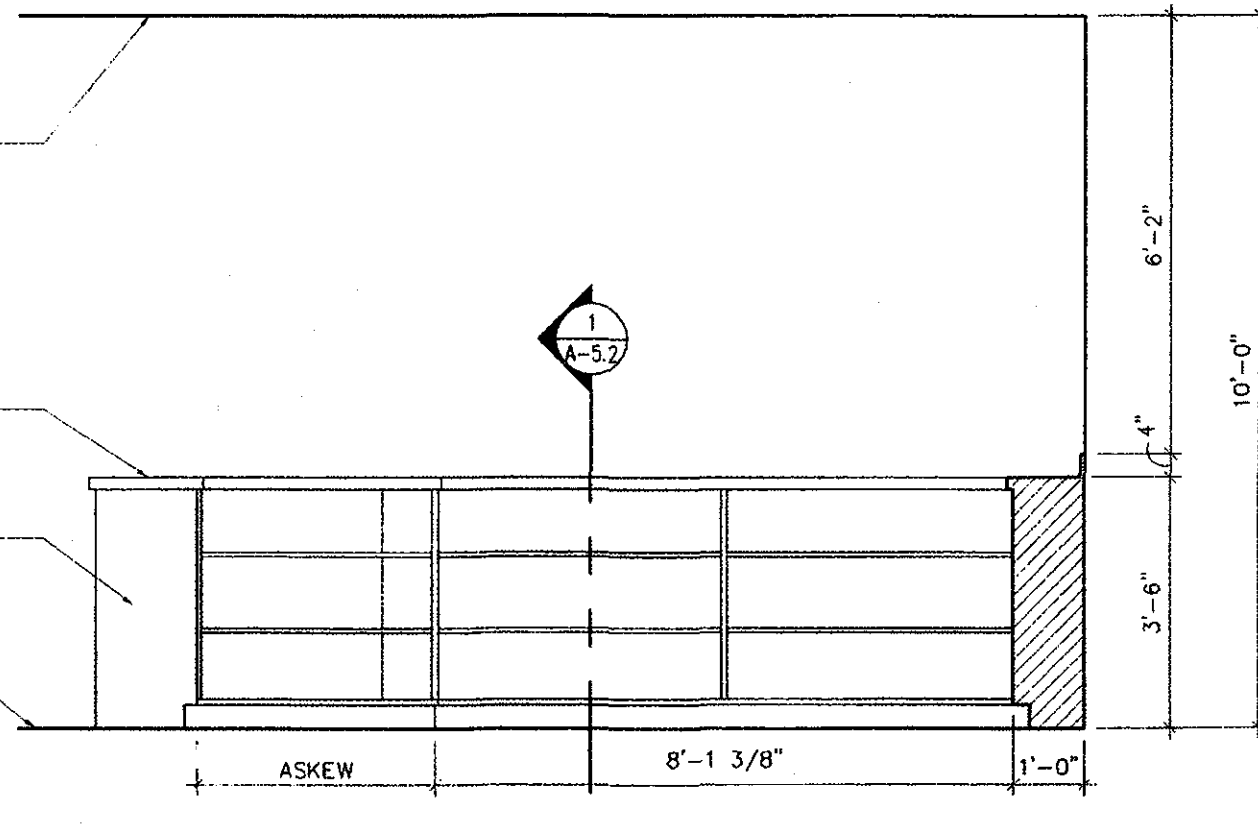


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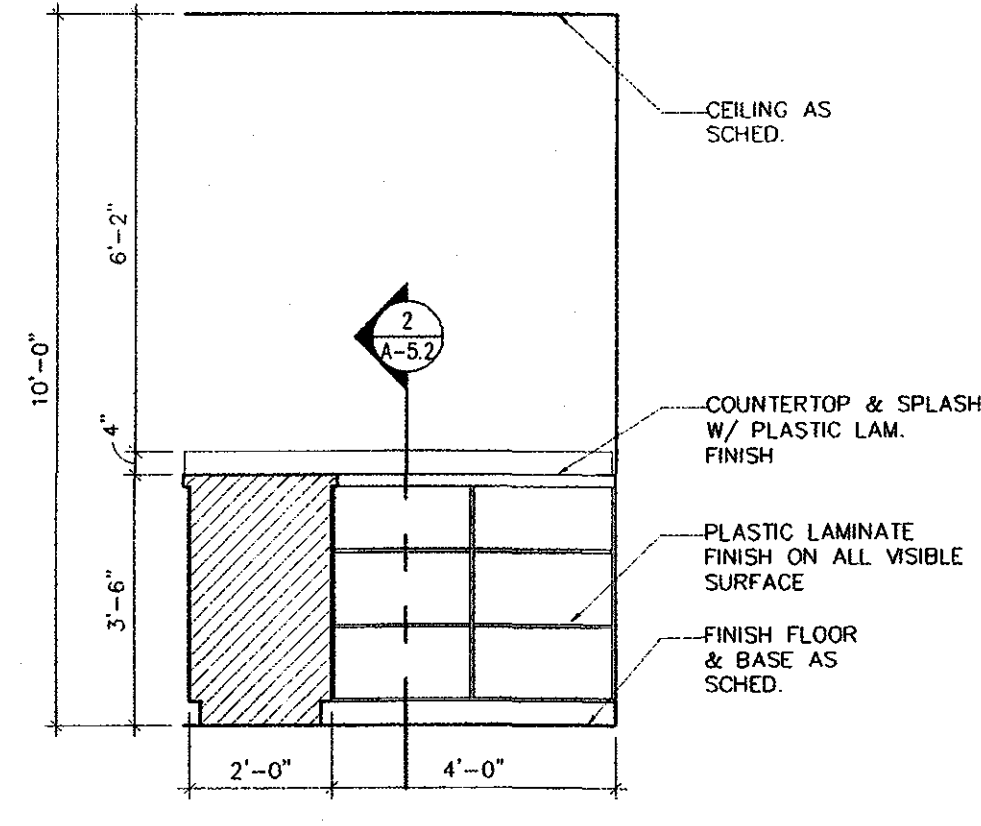
**A-4.2**  
DOOR/WINDOW DETAILS



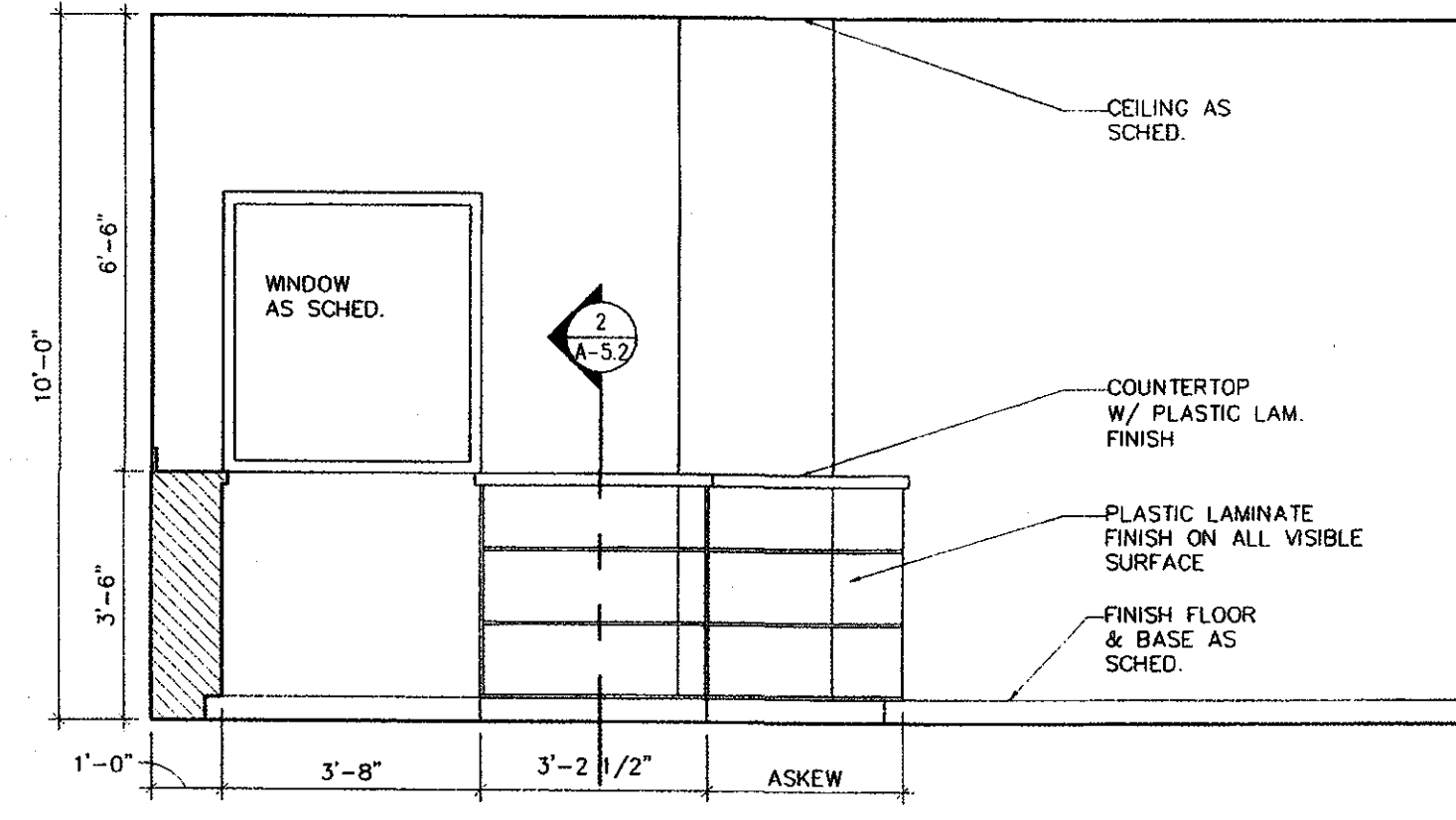
1 RECEPTION ELEV.  
A-5.0  
3/8" = 1'-0"



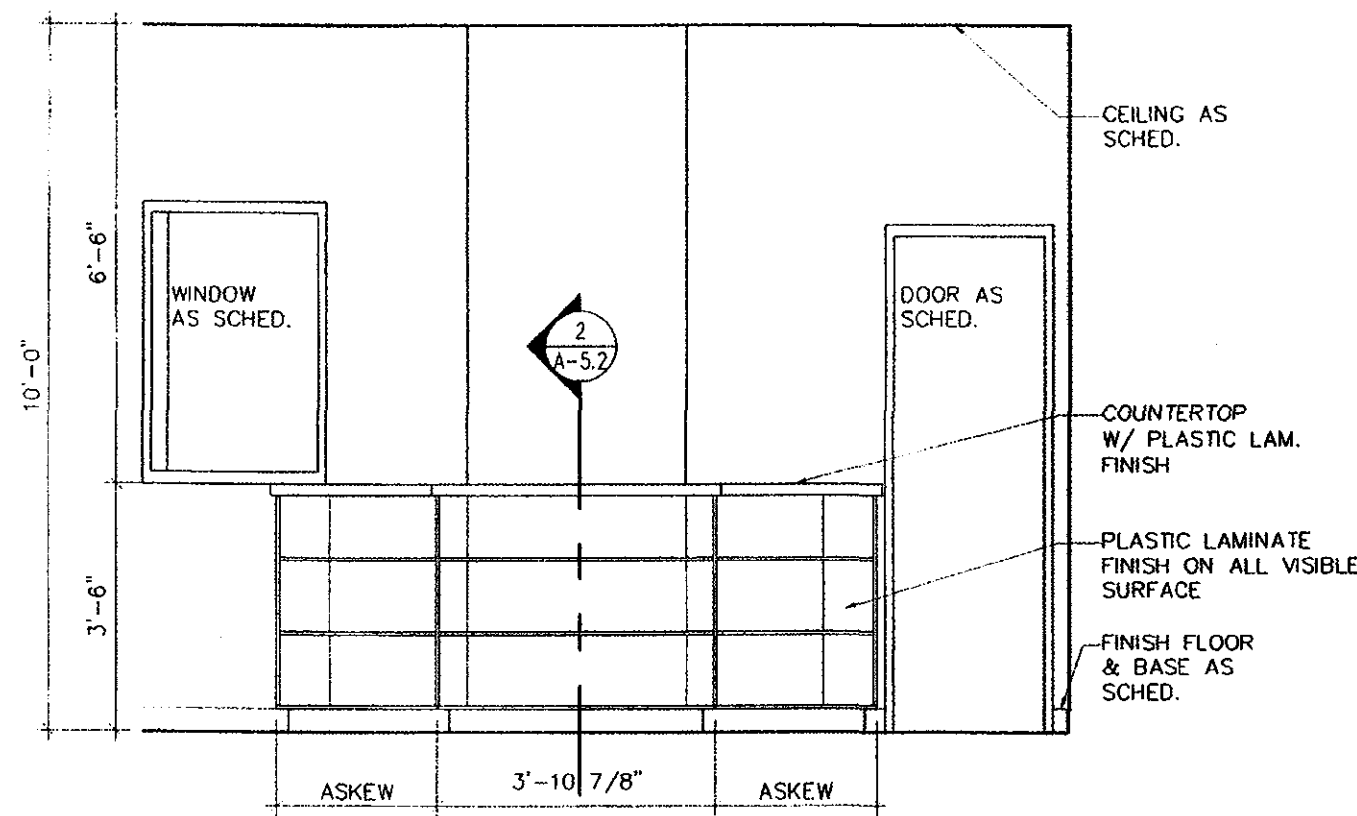
2 RECEPTION ELEV.  
A-5.0  
3/8" = 1'-0"



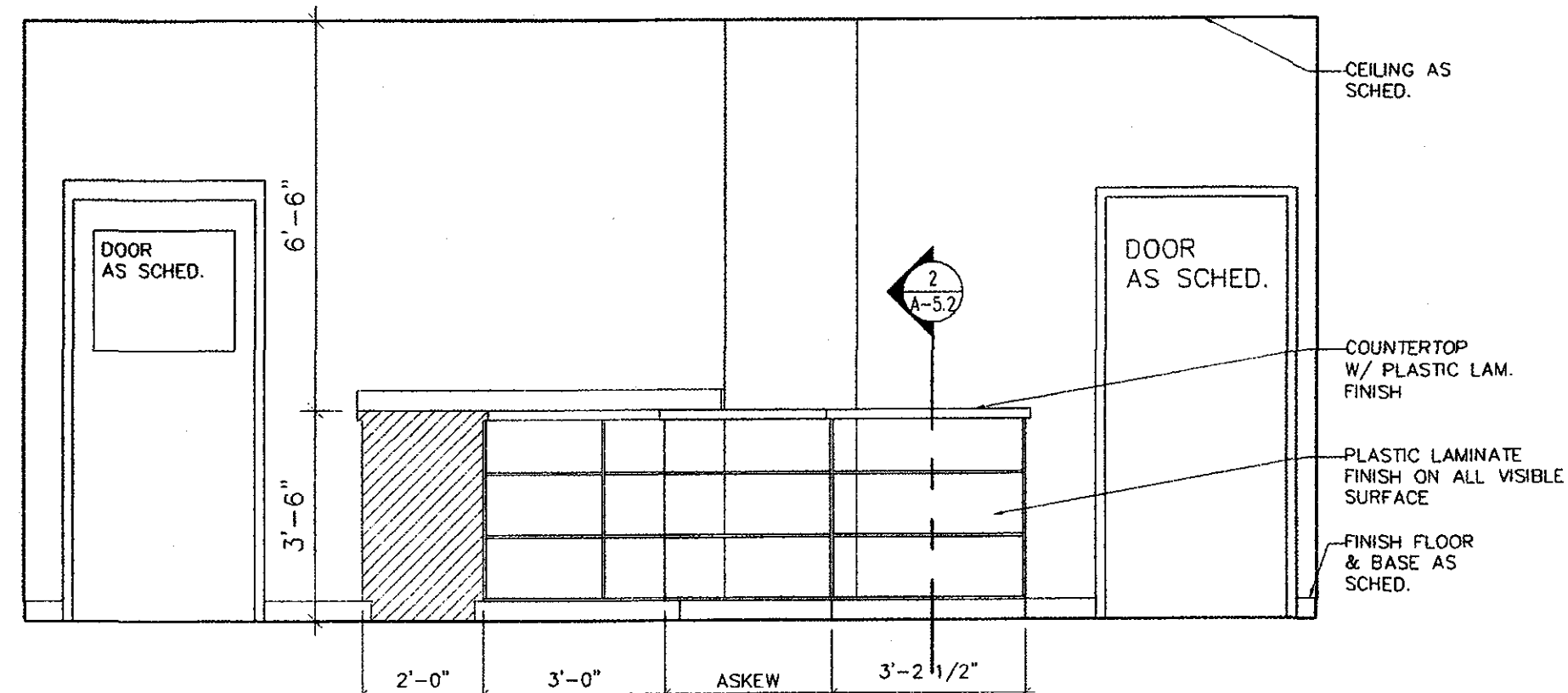
3 RECEPTION SHELVING  
A-5.0  
3/8" = 1'-0"



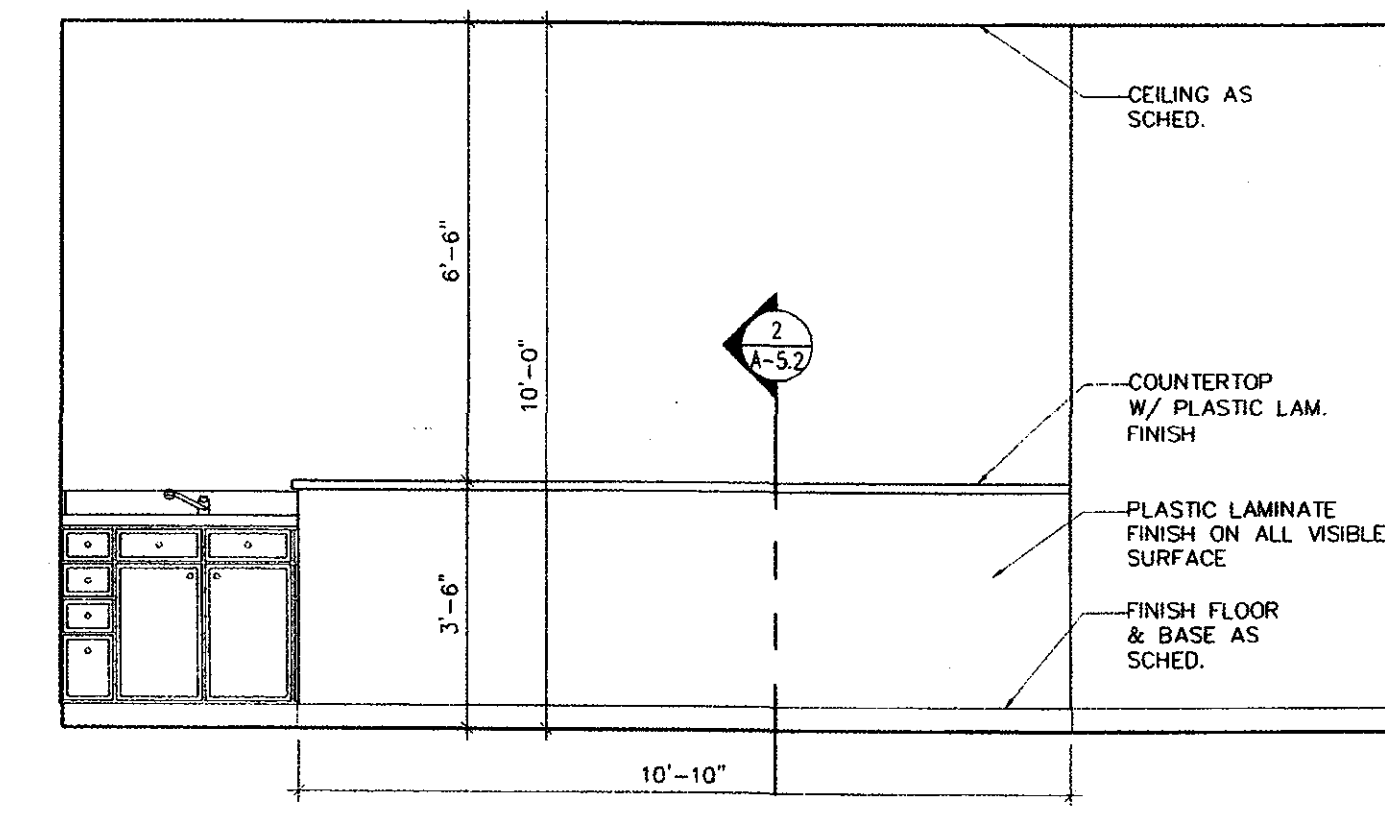
4 RECEPTION SHELVING  
A-5.0  
3/8" = 1'-0"



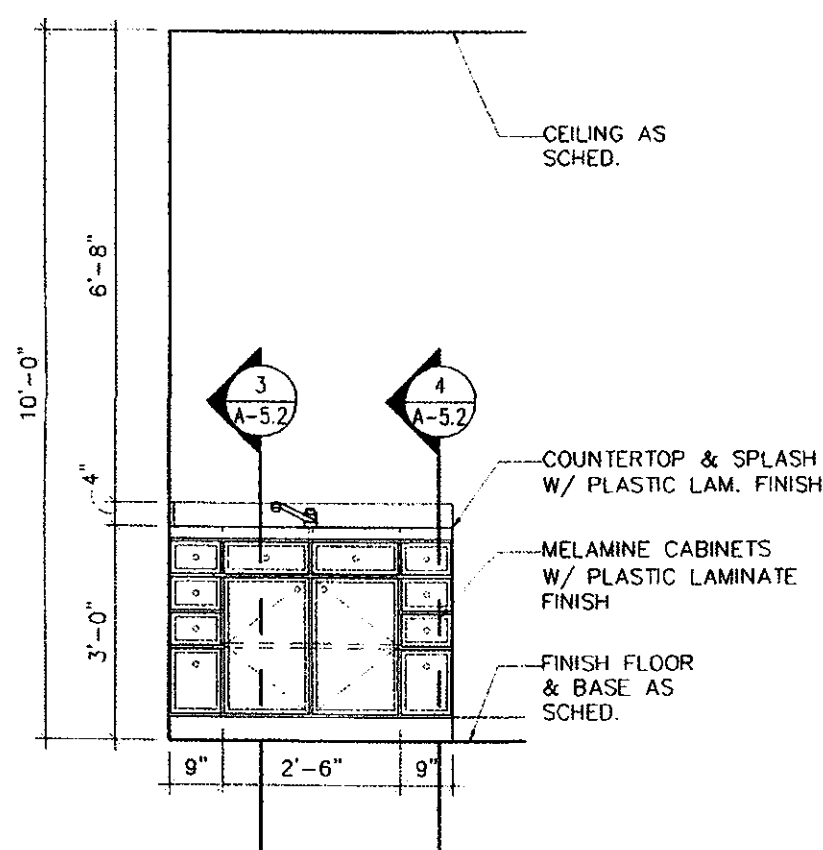
5 RECEPTION SHELVING  
A-5.0  
3/8" = 1'-0"



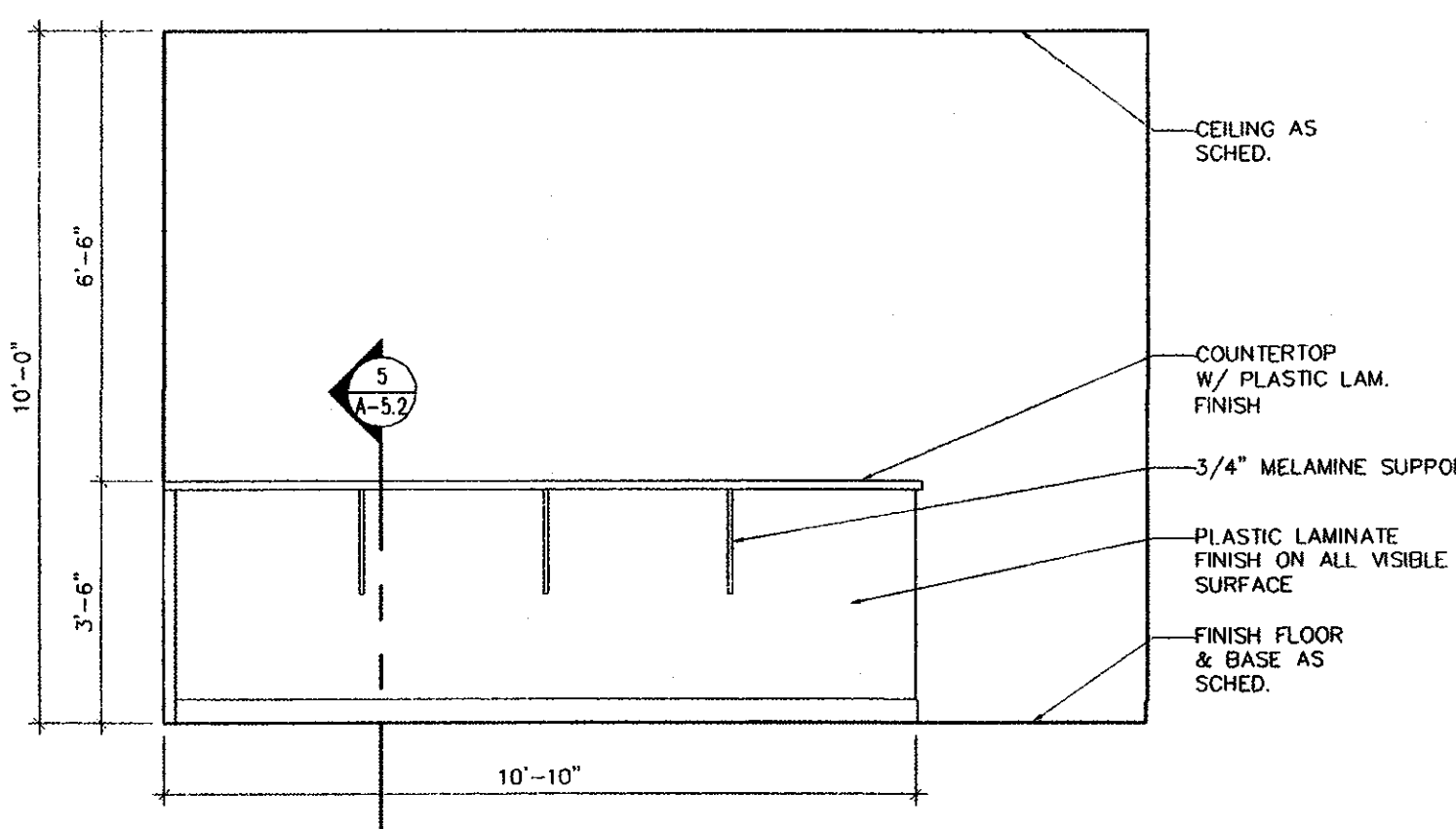
6 RECEPTION SHELVING  
A-5.0  
3/8" = 1'-0"



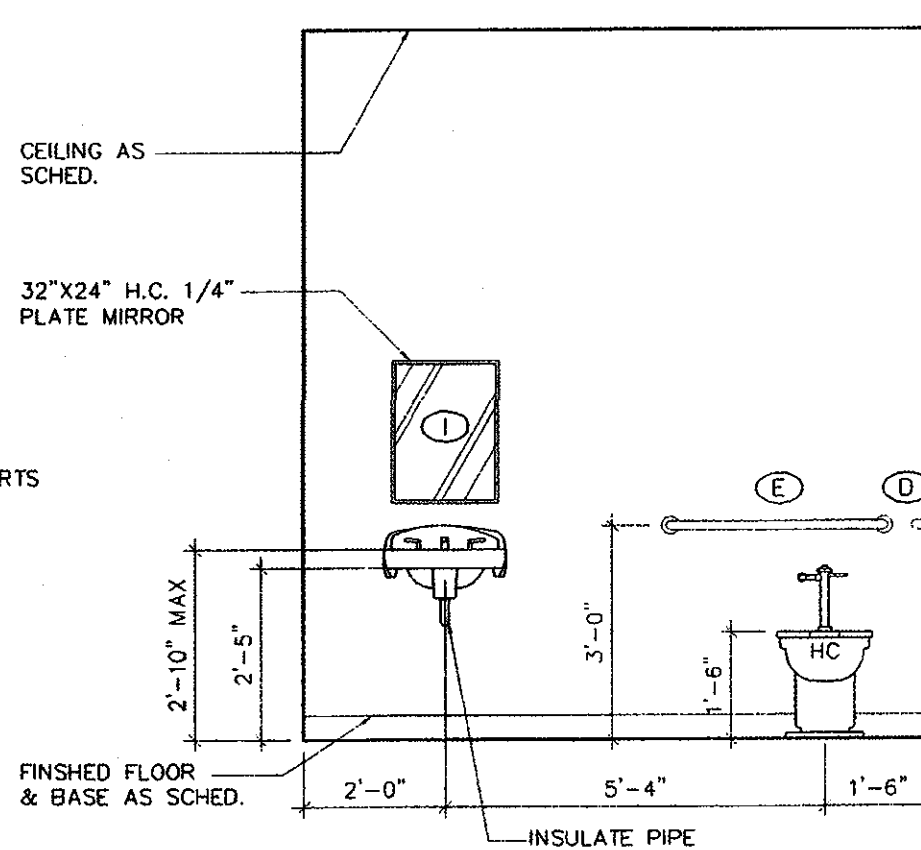
7 SNACK ELEV.  
A-5.0  
3/8" = 1'-0"



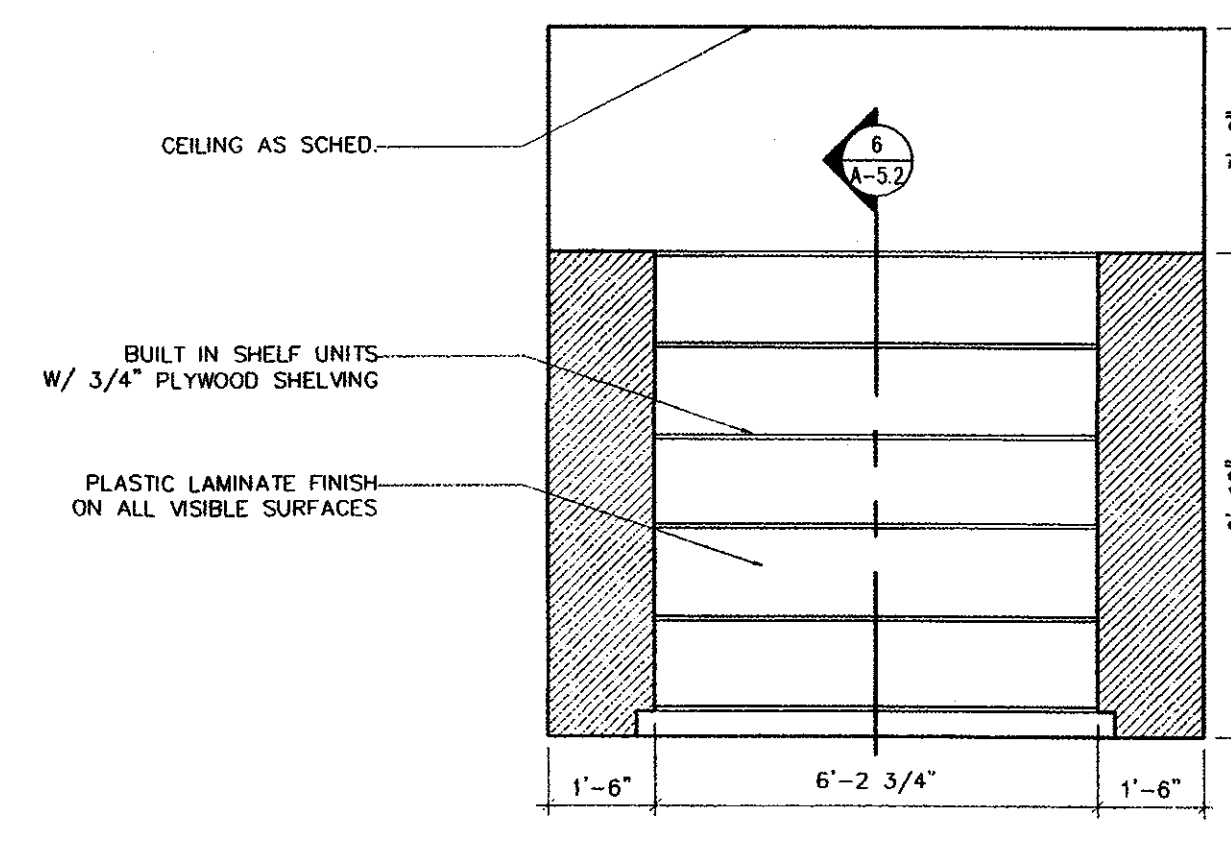
8 SNACK ELEV.  
A-5.0  
3/8" = 1'-0"



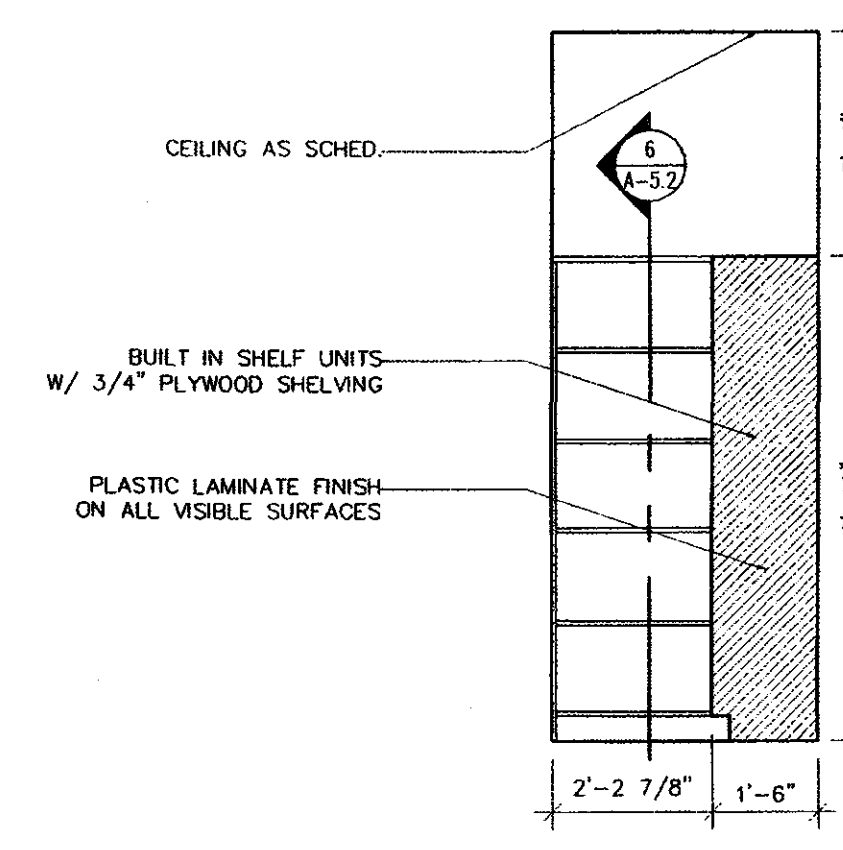
9 SNACK ELEV.  
A-5.0  
3/8" = 1'-0"



10 TLT. ELEV.  
A-5.0  
3/8" = 1'-0"



11 STORAGE  
A-5.0  
3/8" = 1'-0"



12 STORAGE  
A-5.0  
3/8" = 1'-0"

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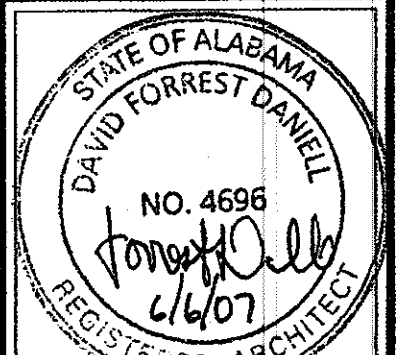


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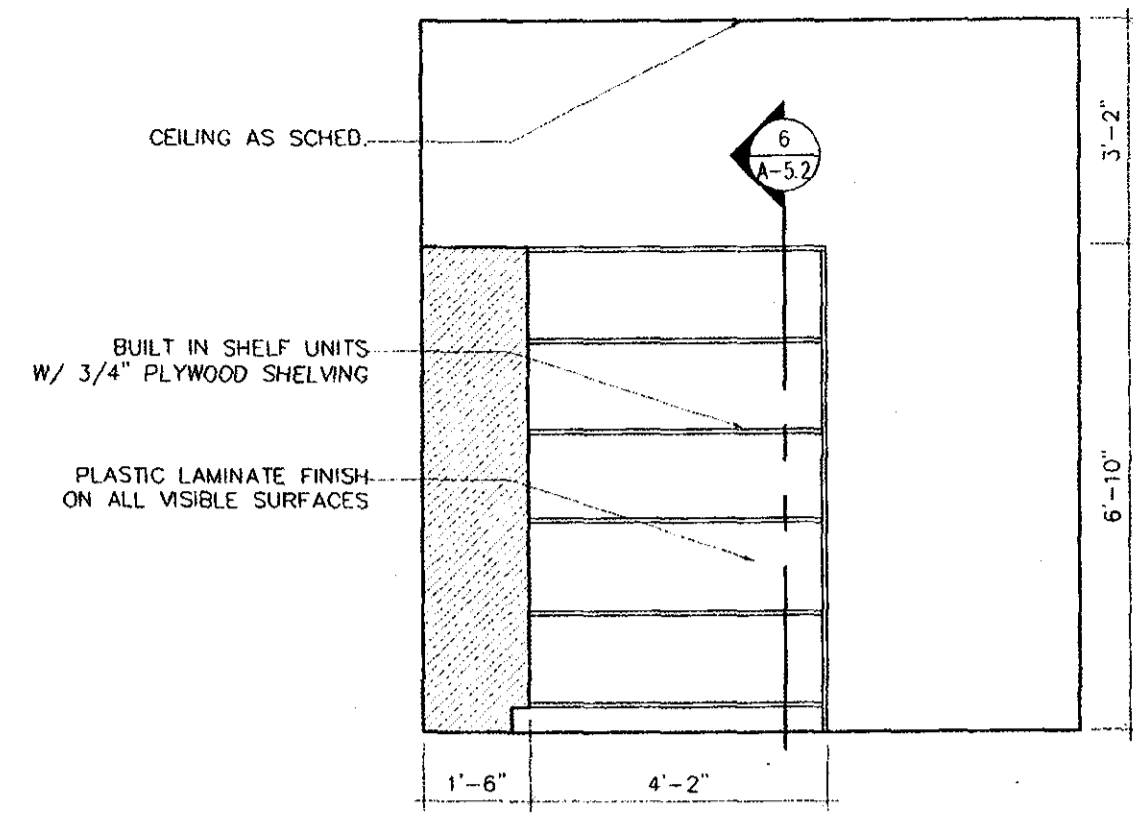
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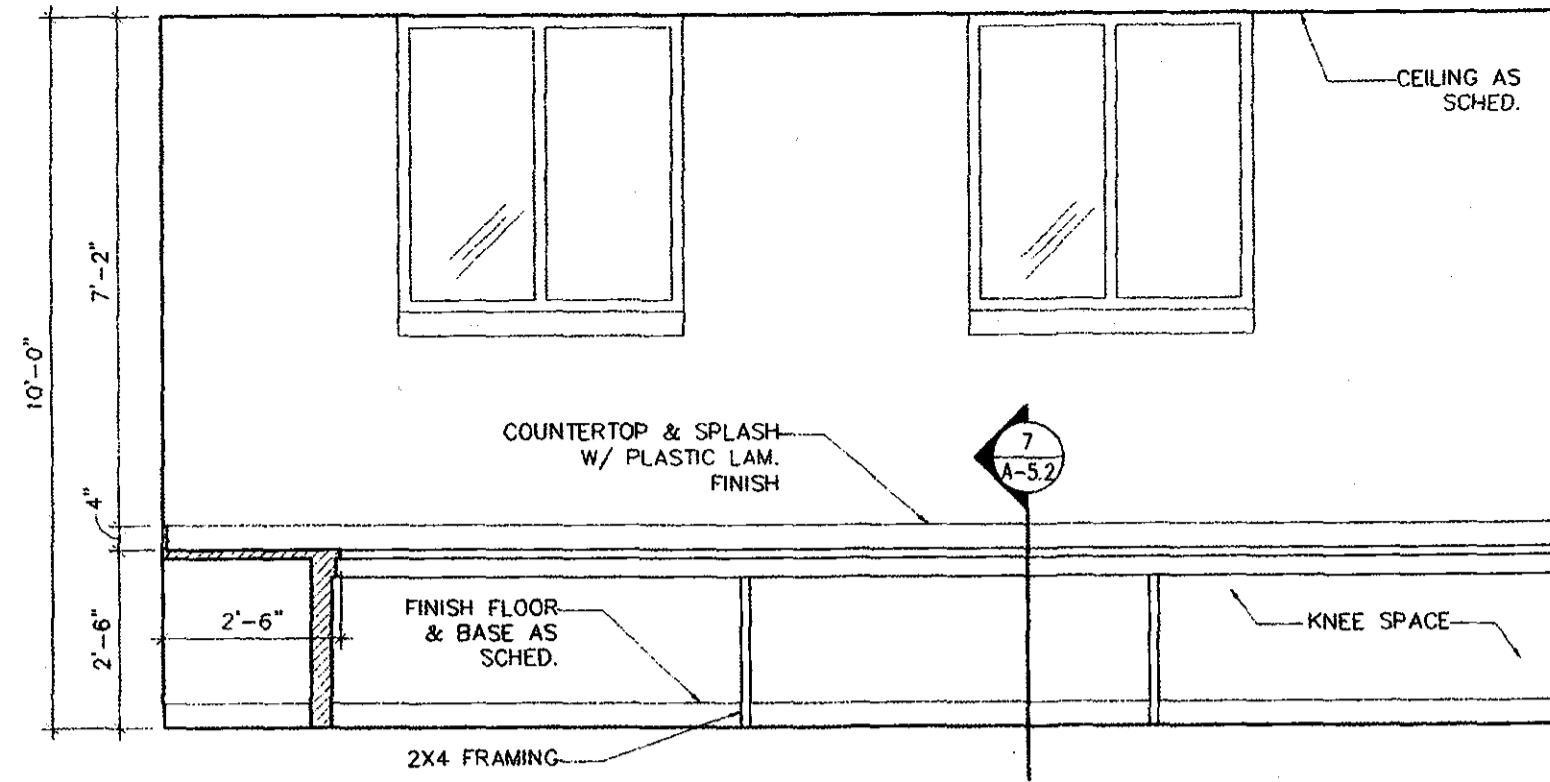


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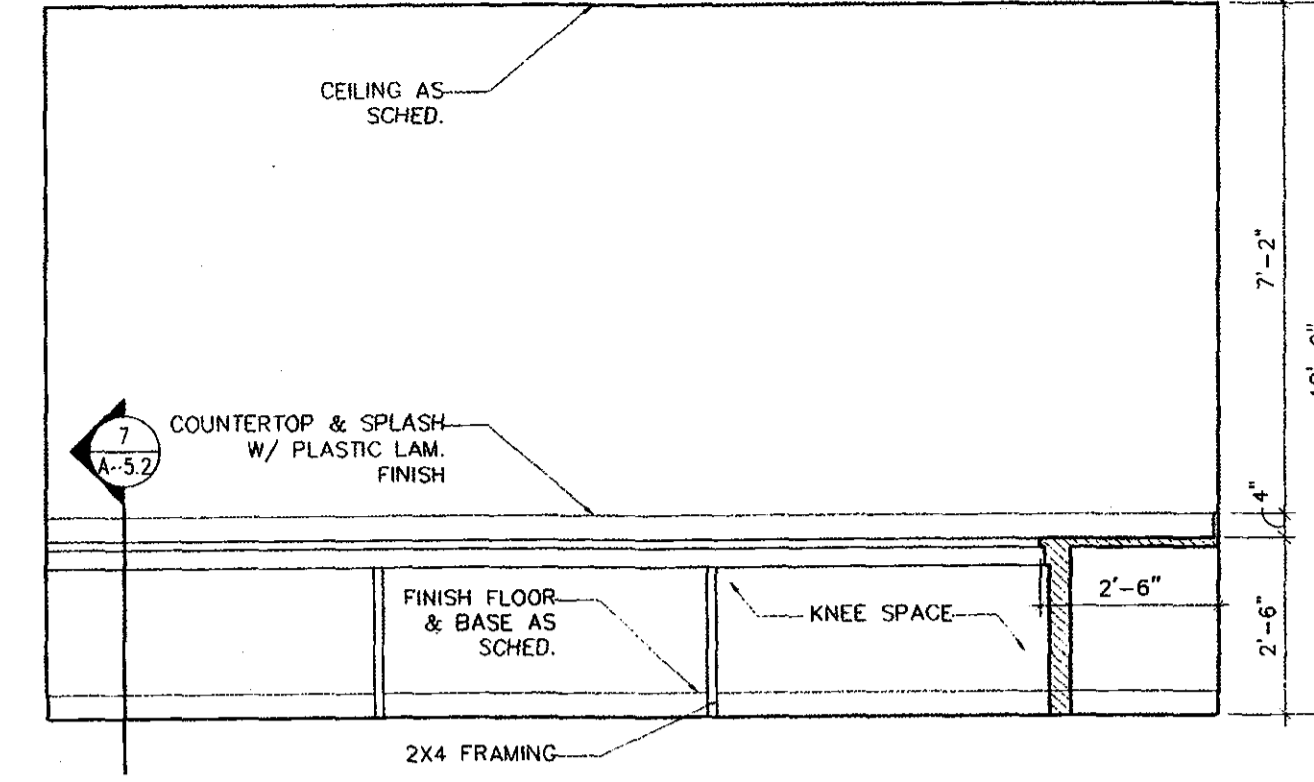
**A-5.0**  
INTERIOR ELEVATIONS



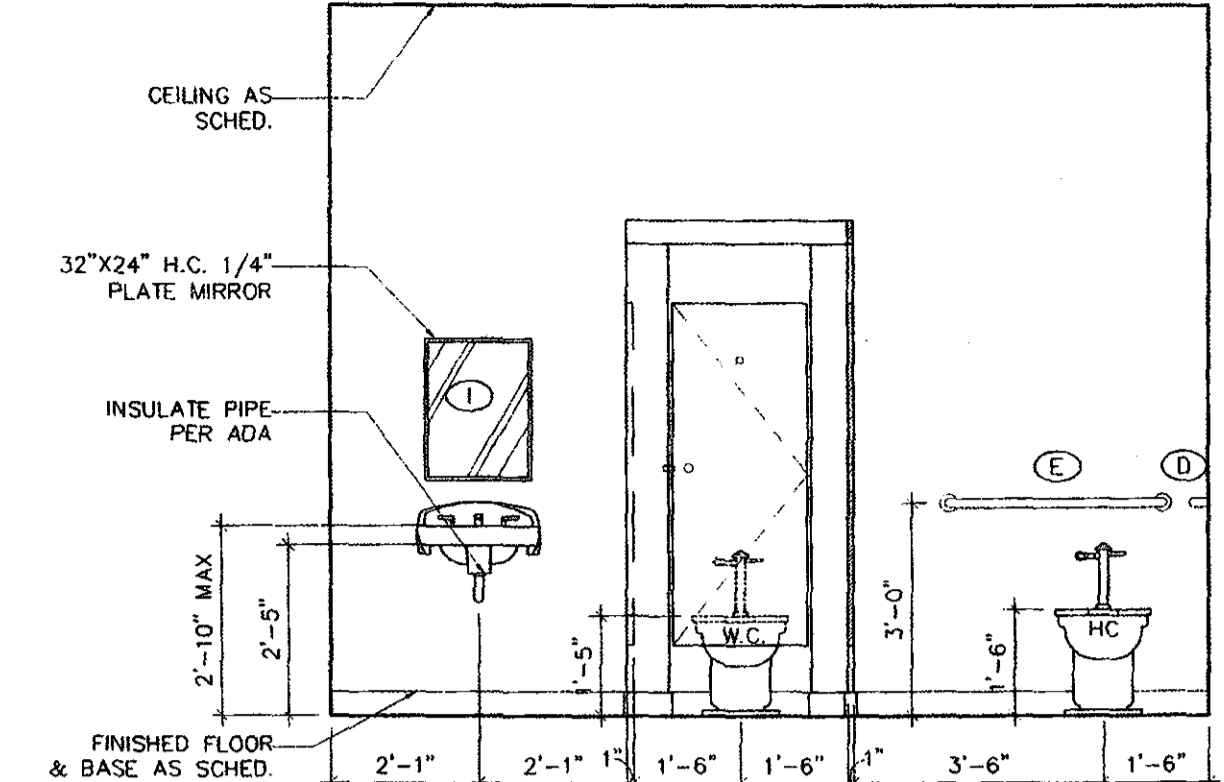
1 STORAGE  
A-5.1  
3/8" = 1'-0"



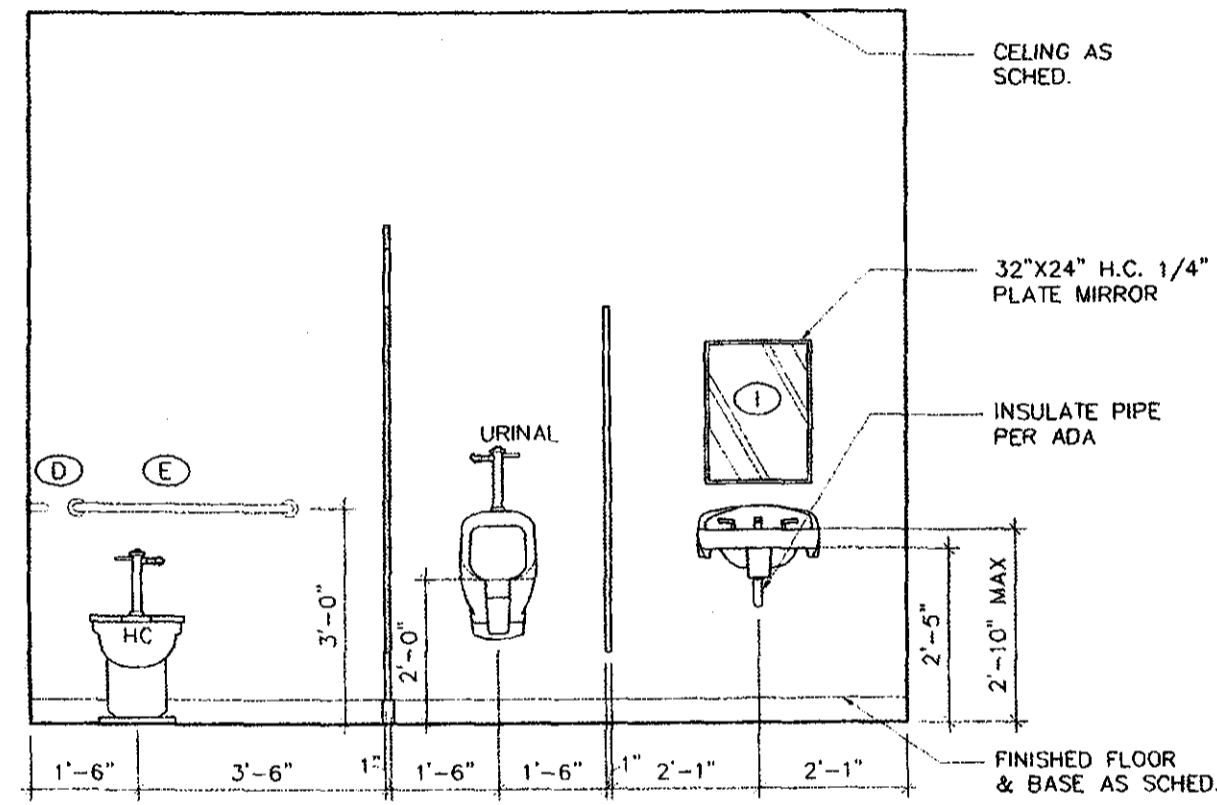
2 COMPUTER/TUTORIAL ELEV.  
A-5.1  
3/8" = 1'-0"



3 COMPUTER/TUTORIAL ELEV.  
A-5.1  
3/8" = 1'-0"



4 WOMENS ELEV.  
A-5.1  
3/8" = 1'-0"



5 MENS ELEV.  
A-5.1  
3/8" = 1'-0"

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Alabama  
Orange Beach,

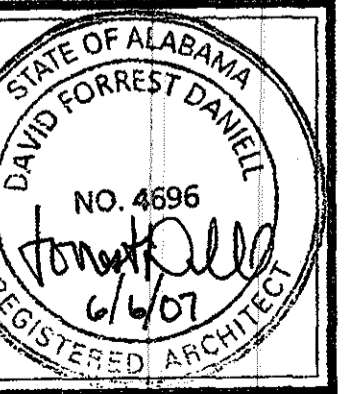
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& Associates, P.C.



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Daphne, AL 36526  
(251) 625-6490  
(251) 625-6494 fax  
www.fdanield.com

DATA  
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T.D.

REVISIONS

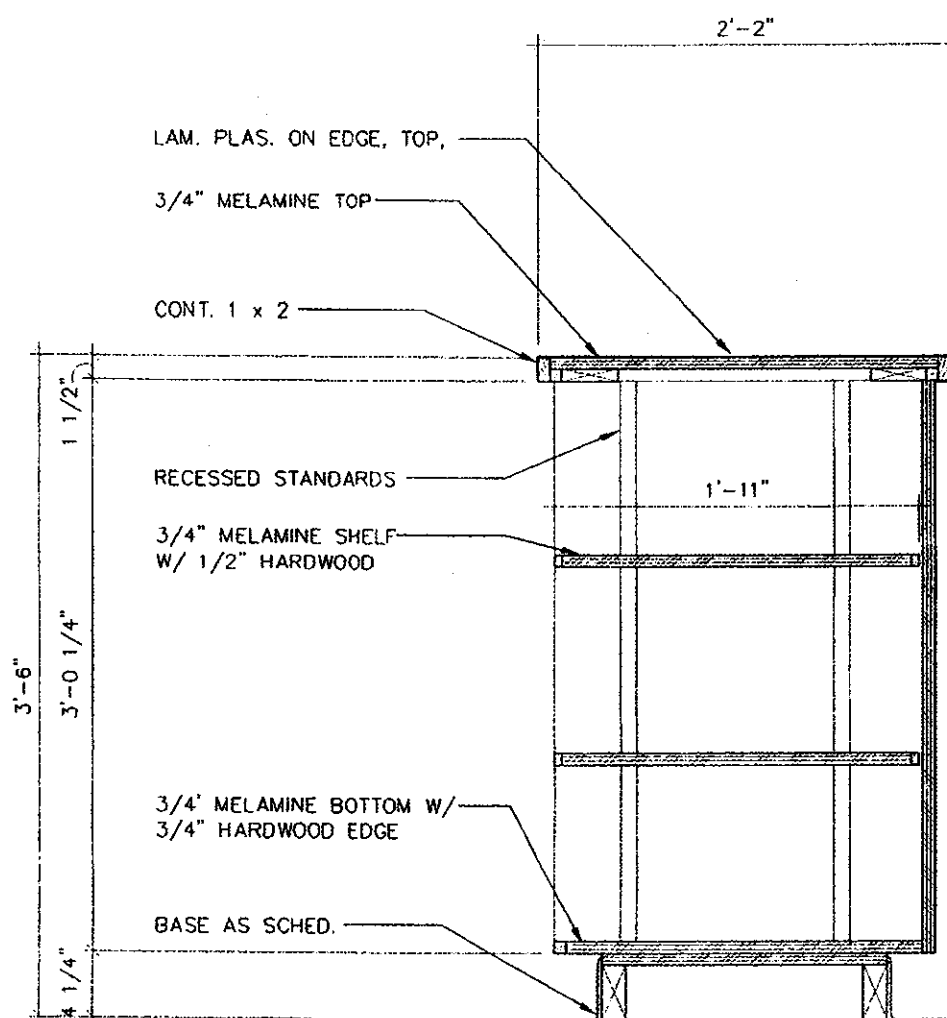


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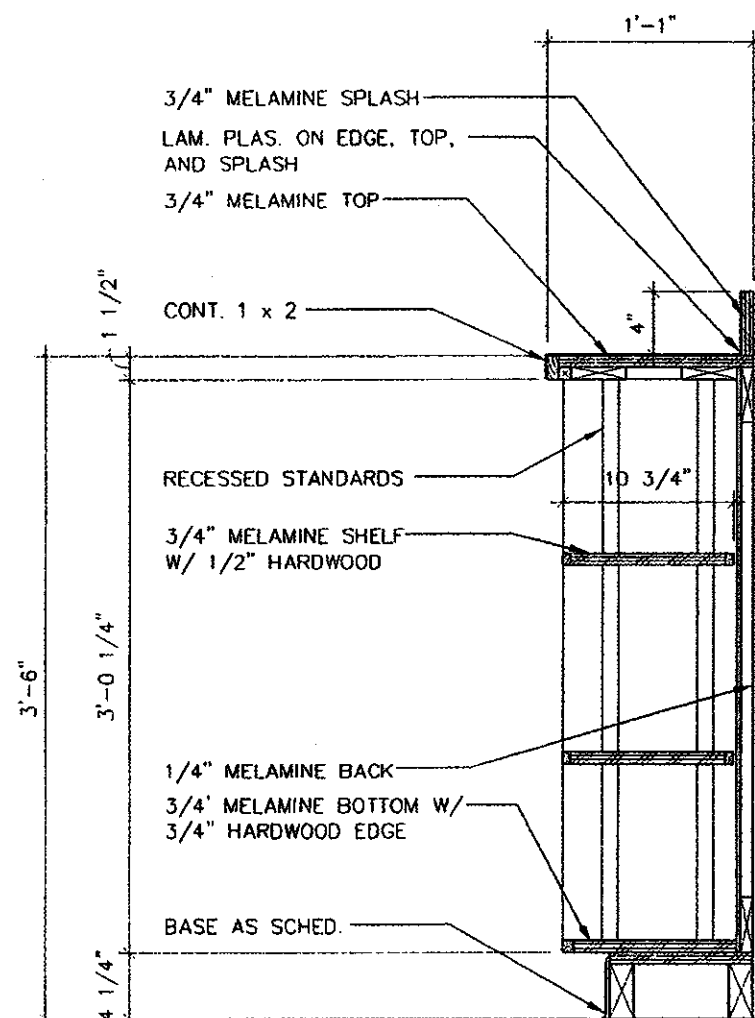
A-5.1  
INTERIOR ELEVATION

MARK	DESCRIPTION	MANUF.	MODEL NO.	REMARKS
ⓐ	NOT USED			
ⓑ	NOT USED			
ⓒ	NOT USED			
ⓓ	NOT USED			
ⓔ	24" SIDE GRAB BAR	BOBRICK	B-590B	
ⓕ	35" REAR GRAB BAR	BOBRICK	B-580B	
ⓖ	NOT USED			
ⓗ	NOT USED			
ⓓ	MIRROR (SEE INTERIOR ELEVATION FOR SIZE)	BOBRICK	B-290	
ⓔ	NOT USED			

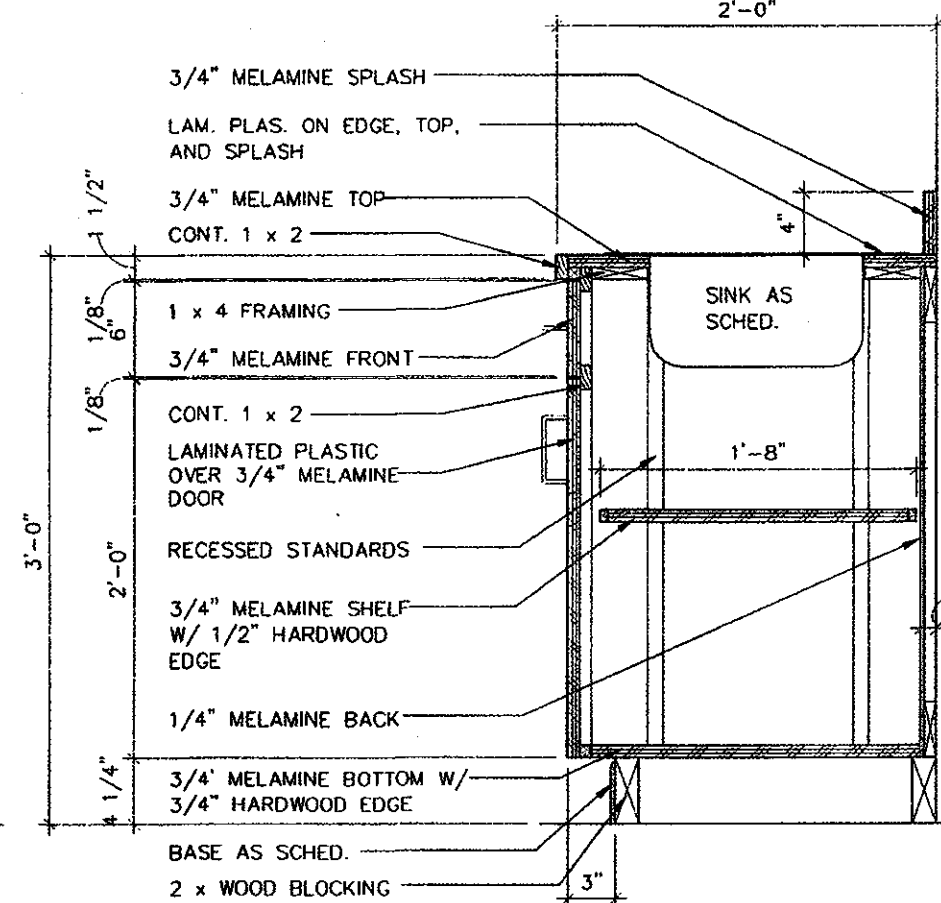
NOTE: EQUAL BRANDS MAY BE SUBSTITUTED FOR ALL ACCESSORIES, WITH ARCHITECT'S APPROVAL. TOILET ACCESSORIES TO BE FURNISHED & INSTALLED BY OWNER.



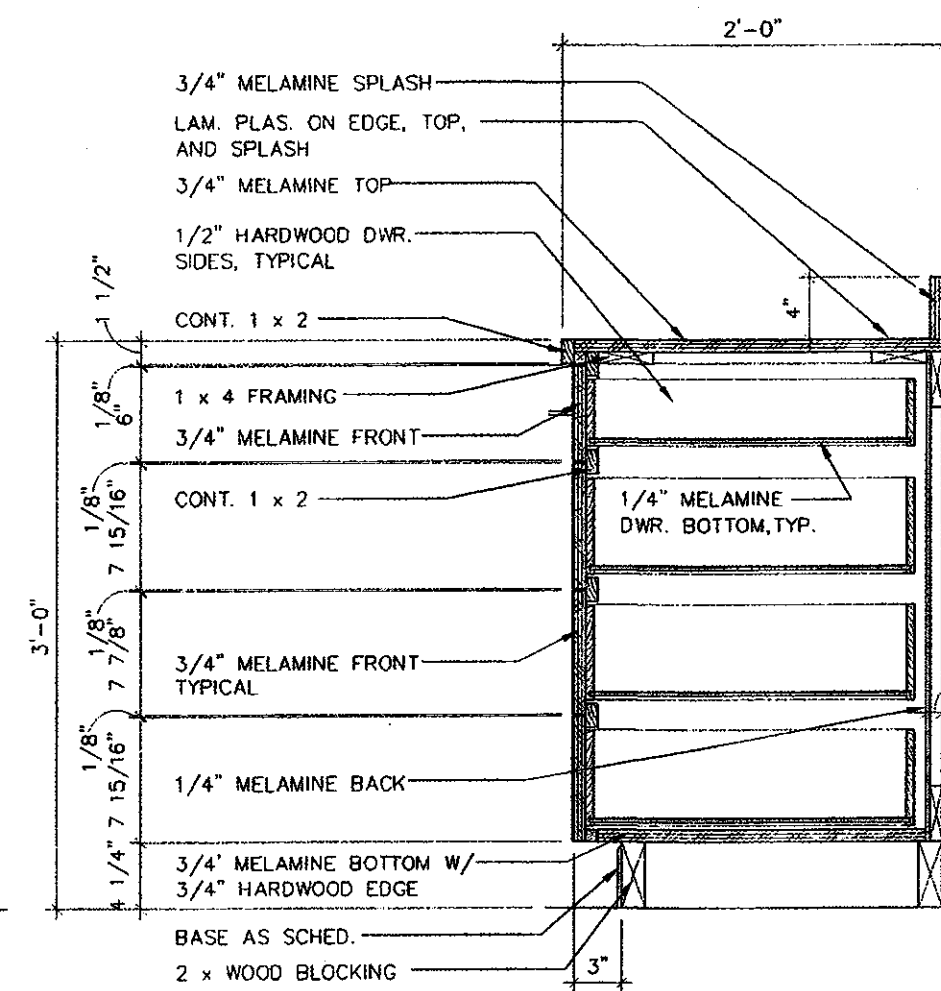
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A-5.2 1"=1'-0"



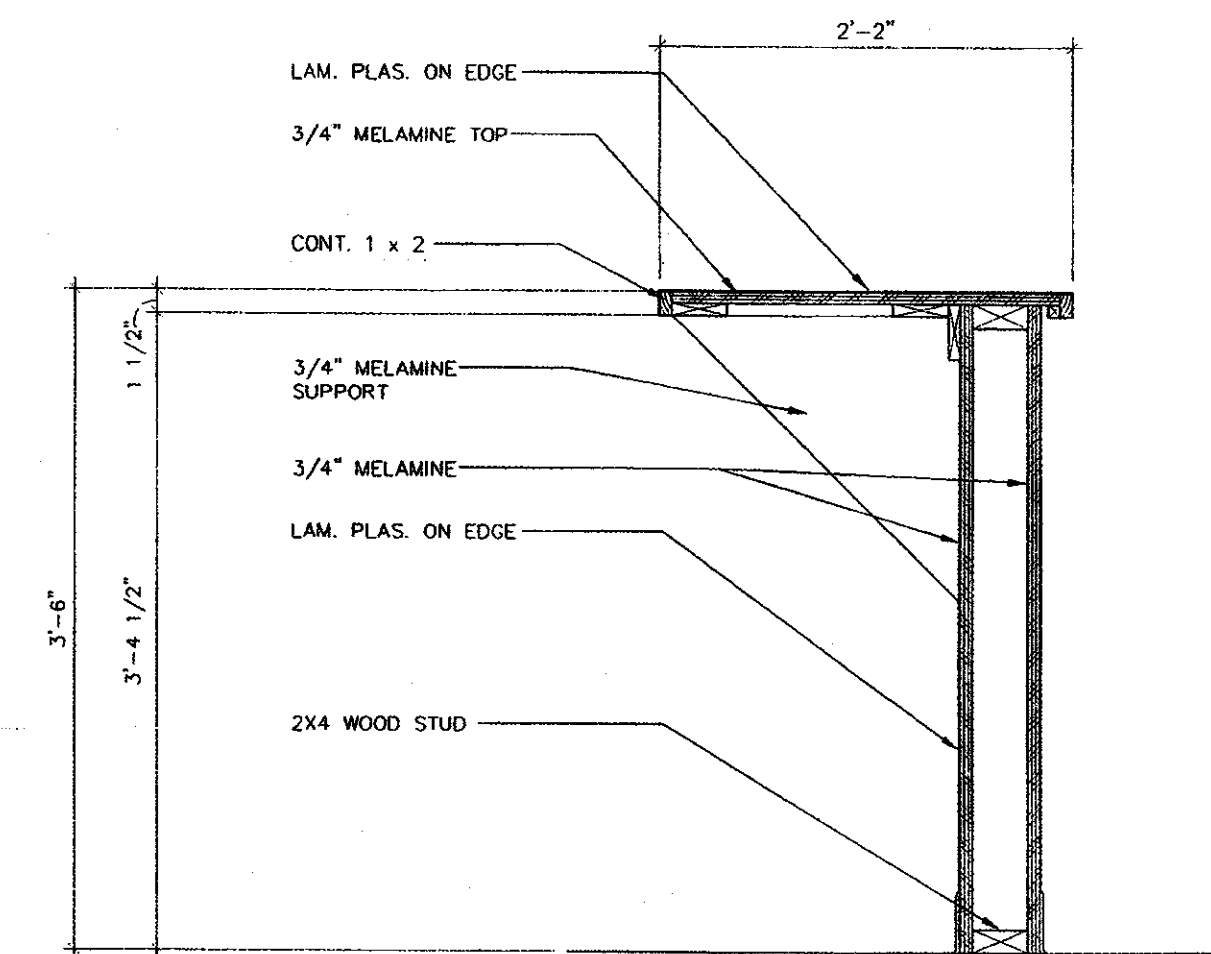
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A-5.2 1"=1'-0"



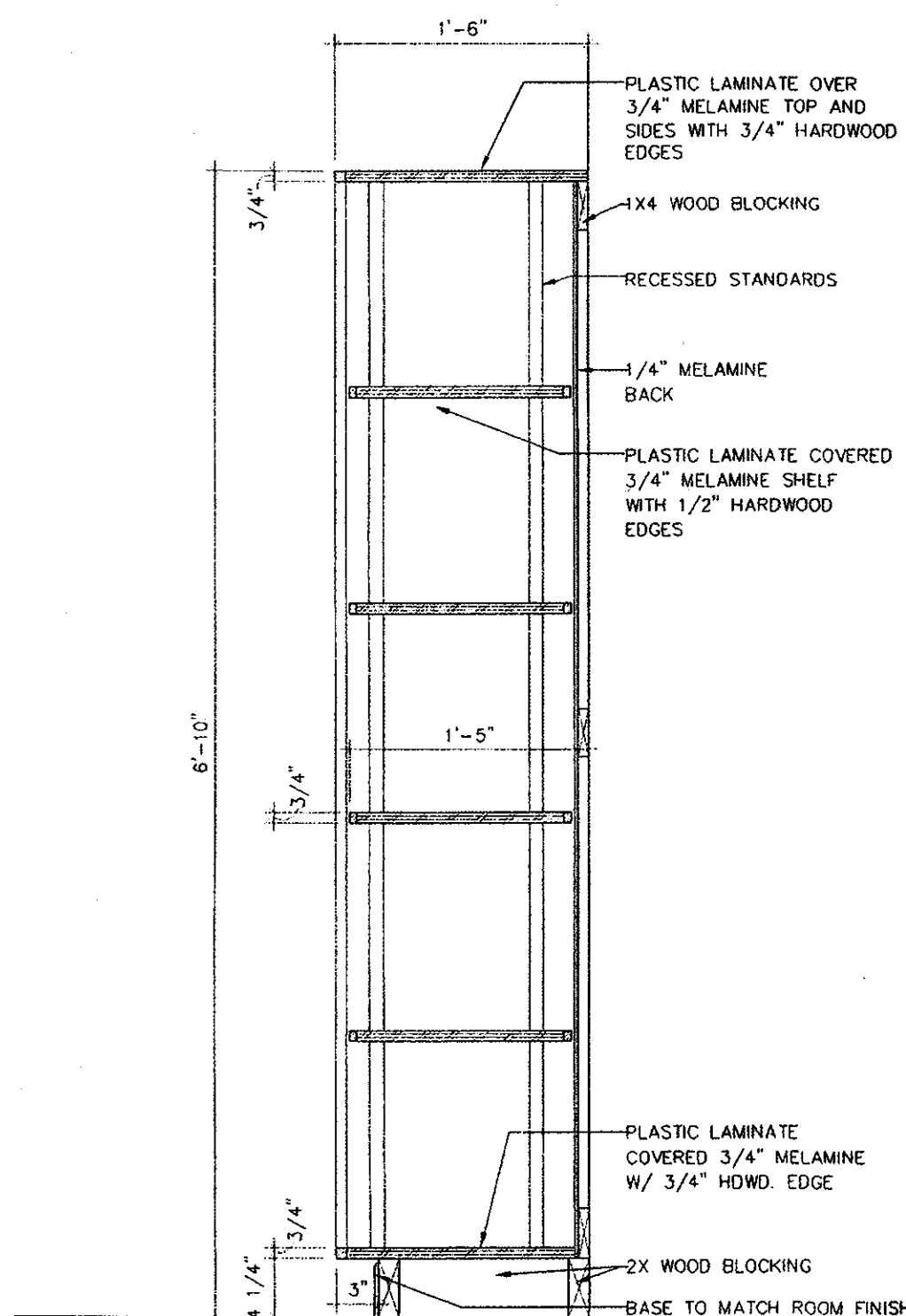
3 MILLWORK SECTION  
A-5.2 1"=1'-0"



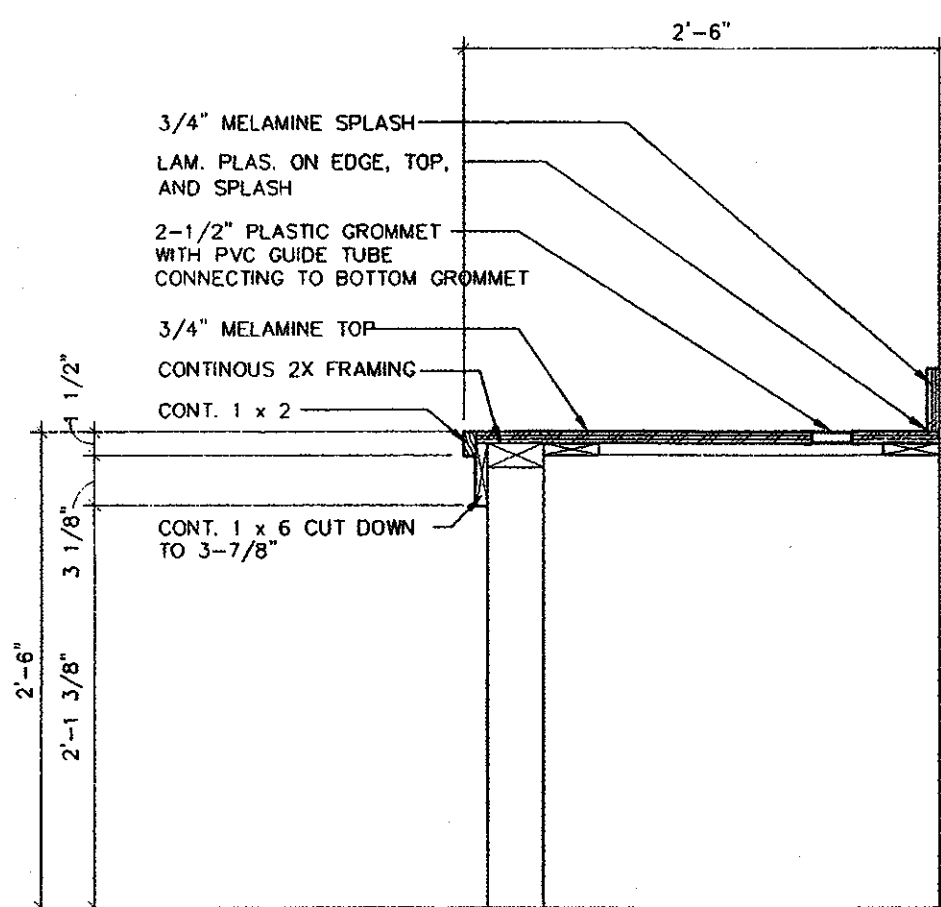
4 MILLWORK SECTION  
A-5.2 1"=1'-0"



5 MILLWORK SECTION  
A-5.2 1"=1'-0"



6 MILLWORK SECTION  
A-5.2 1"=1'-0"



7 MILLWORK SECTION  
A-5.2 1"=1'-0"

Orange Beach Teen Center  
Orange Beach, Alabama

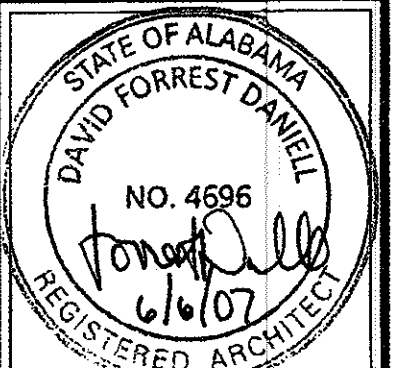
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DATA
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T.D.

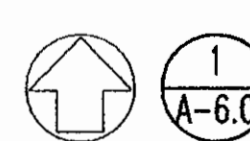
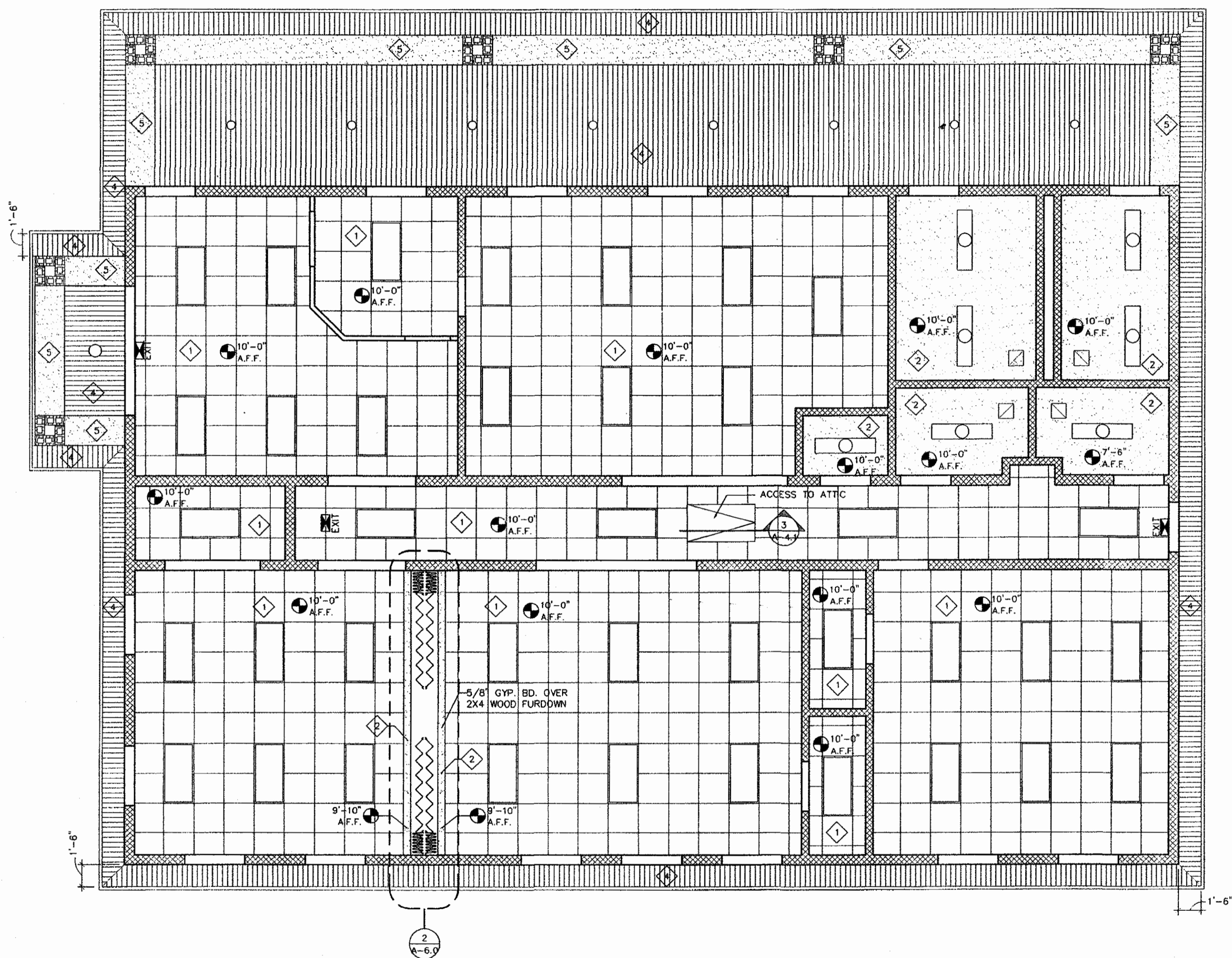
REVISIONS



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DATE: 5/30/07

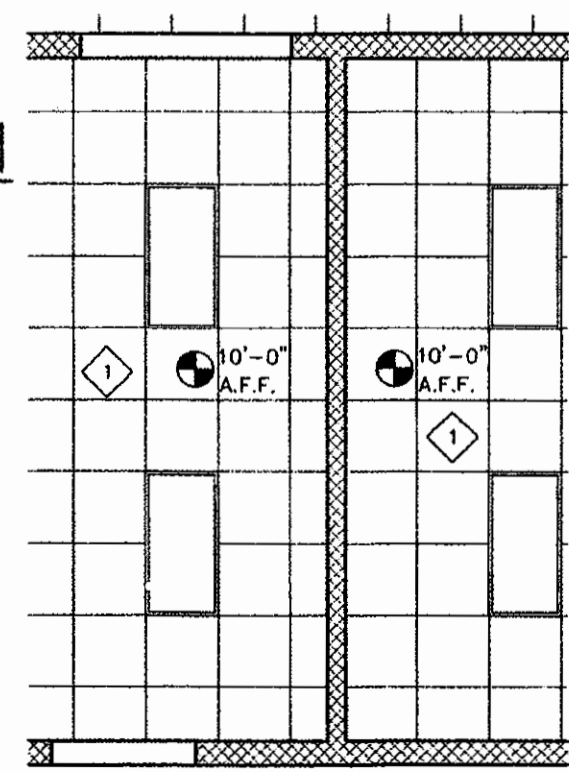
**A-5.2**  
MILLWORK SECTION





**REFLECTED CEILING PLAN**

1  
A-6.0  
3/16" = 1'-0"



**ALTERNATE #1**

2  
A-6.0  
3/16" = 1'-0"

**CEILING TYPES**

- 1 2x2 ACOUSTICAL LAY-IN CEILING TILE
- 2 KNOCK-DOWN PAINTED FINISH OVER 5/8" GYP. BD.
- 3 OPEN TO STRUCTURE ABOVE
- 4 ALUMINUM SOFFIT
- 5 STUCCO FINISH

**NOTE:**

NOTE 1: GYP. BOARD CEILINGS TO BE SUSPENDED ON A METAL SYSTEM CONSISTING OF 7/8" FURRING CHANNELS @ 16" O.C. OVER 1 1/2" COLD ROLLED CHANNELS @ 24" O.C., WITH HANGER WIRE AT 24" O.C. EACH WAY.

Orange Beach Teen Center  
Alabama  
Orange Beach,

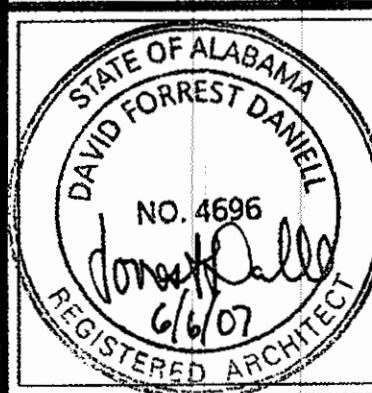
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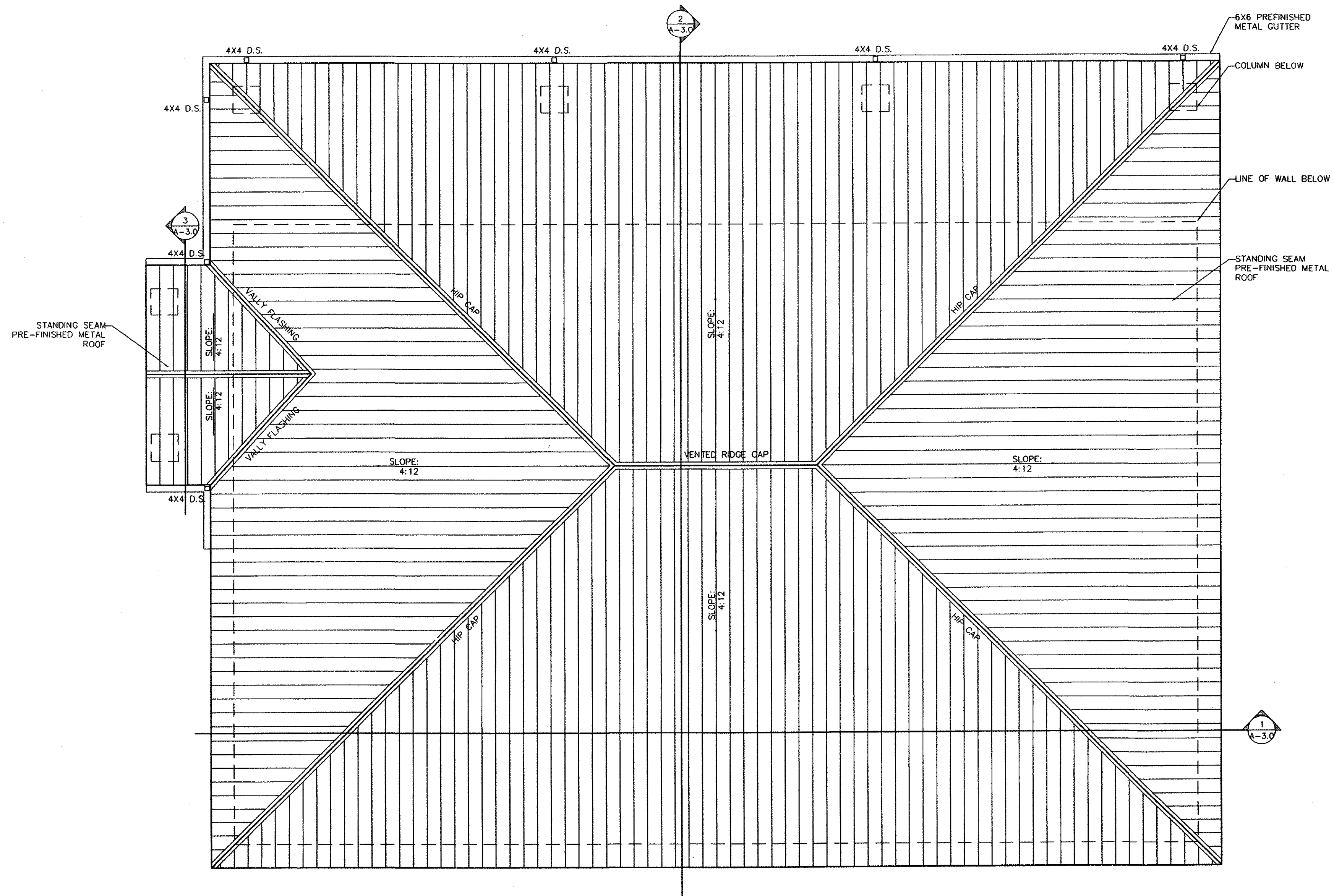
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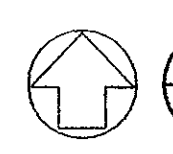
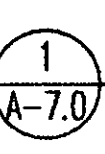
REVISIONS



FILE: FD06033  
DATE: 5/30/07

**A-6.0**  
REFLECTED CEILING PLAN



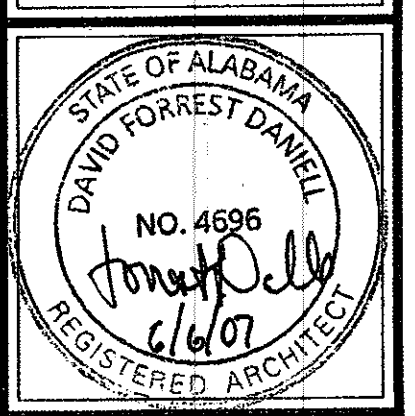


**ROOF PLAN**  
 3/16" = 1'-0"

Orange Beach Teen Center  
 Orange Beach, Alabama

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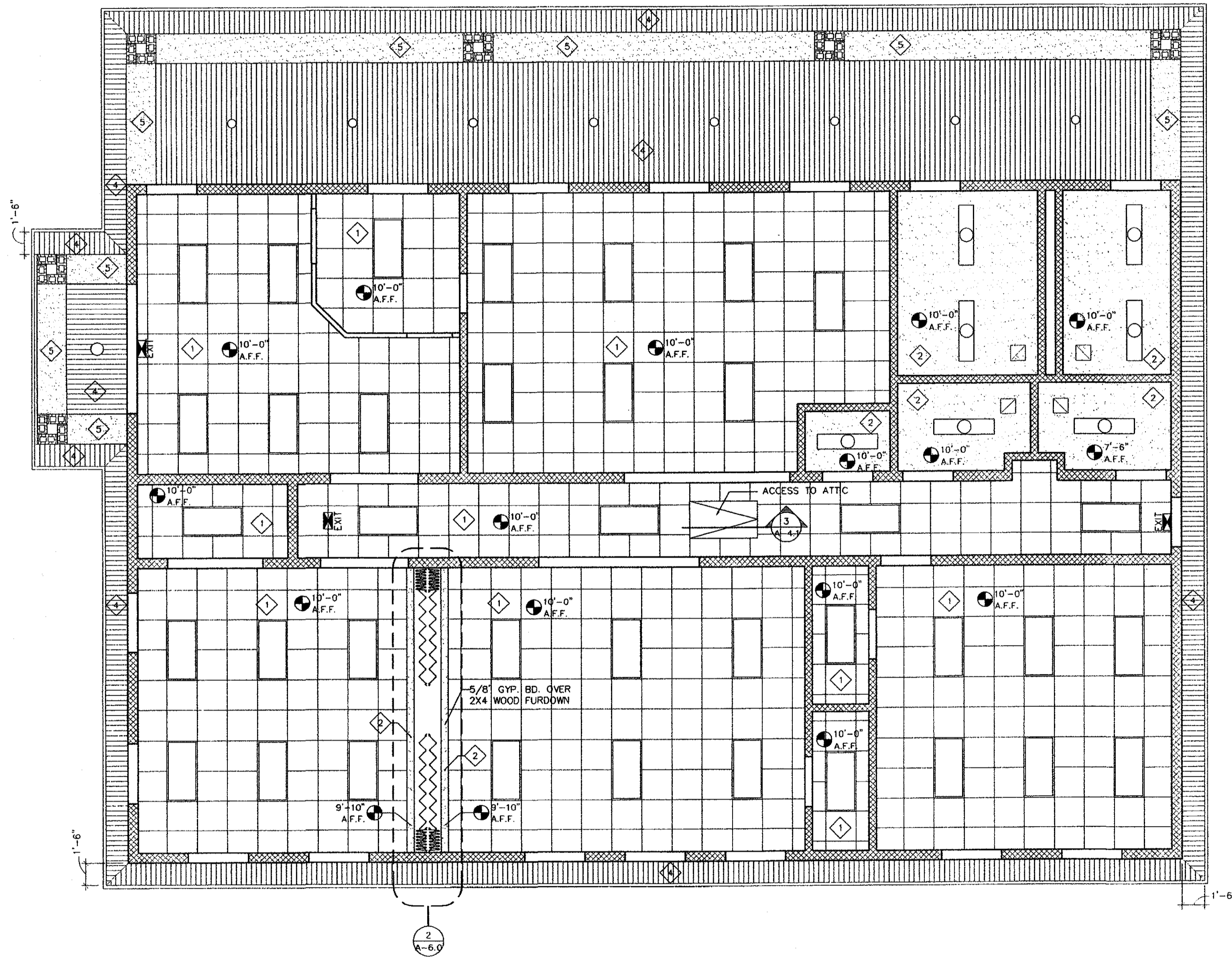
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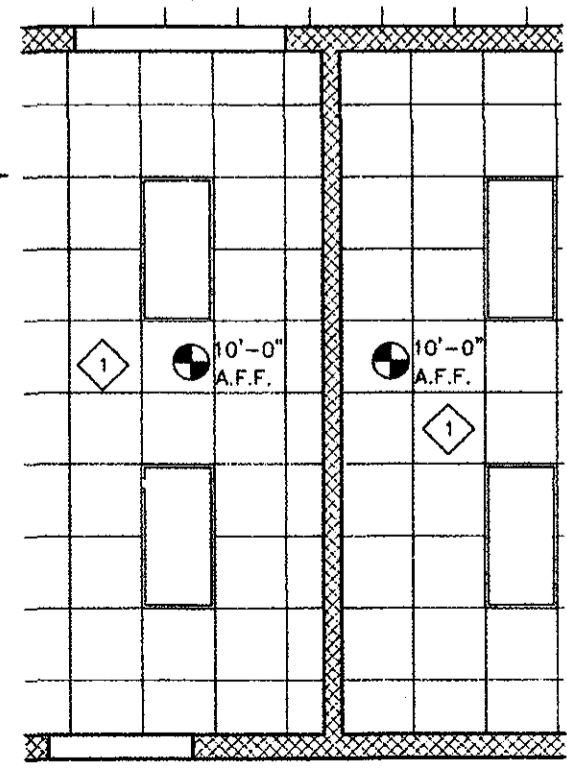


FILE: FD06033
DATE: 5/30/07

**A-7.0**  
 ROOF PLAN



REFLECTED CEILING PLAN  
 1  
 A-6.0  
 3/16" = 1'-0"



ALTERNATE #1  
 2  
 A-6.0  
 3/16" = 1'-0"

CEILING TYPES

- 1 2x2 ACOUSTICAL LAY-IN CEILING TILE
- 2 KNOCK-DOWN PAINTED FINISH OVER 5/8" GYP. BD.
- 3 OPEN TO STRUCTURE ABOVE
- 4 ALUMINUM SOFFIT
- 5 STUCCO FINISH

NOTE:

NOTE 1: GYP. BOARD CEILINGS TO BE SUSPENDED ON A METAL SYSTEM CONSISTING OF 7/8" FURRING CHANNELS @ 16" O.C. OVER 1 1/2" COLD ROLLED CHANNELS @ 24" O.C., WITH HANDER WIRE AT 24" O.C. EACH WAY.

Orange Beach Teen Center  
 Orange Beach, Alabama

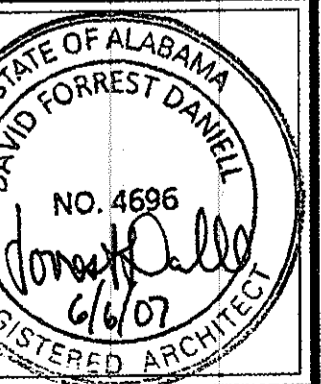
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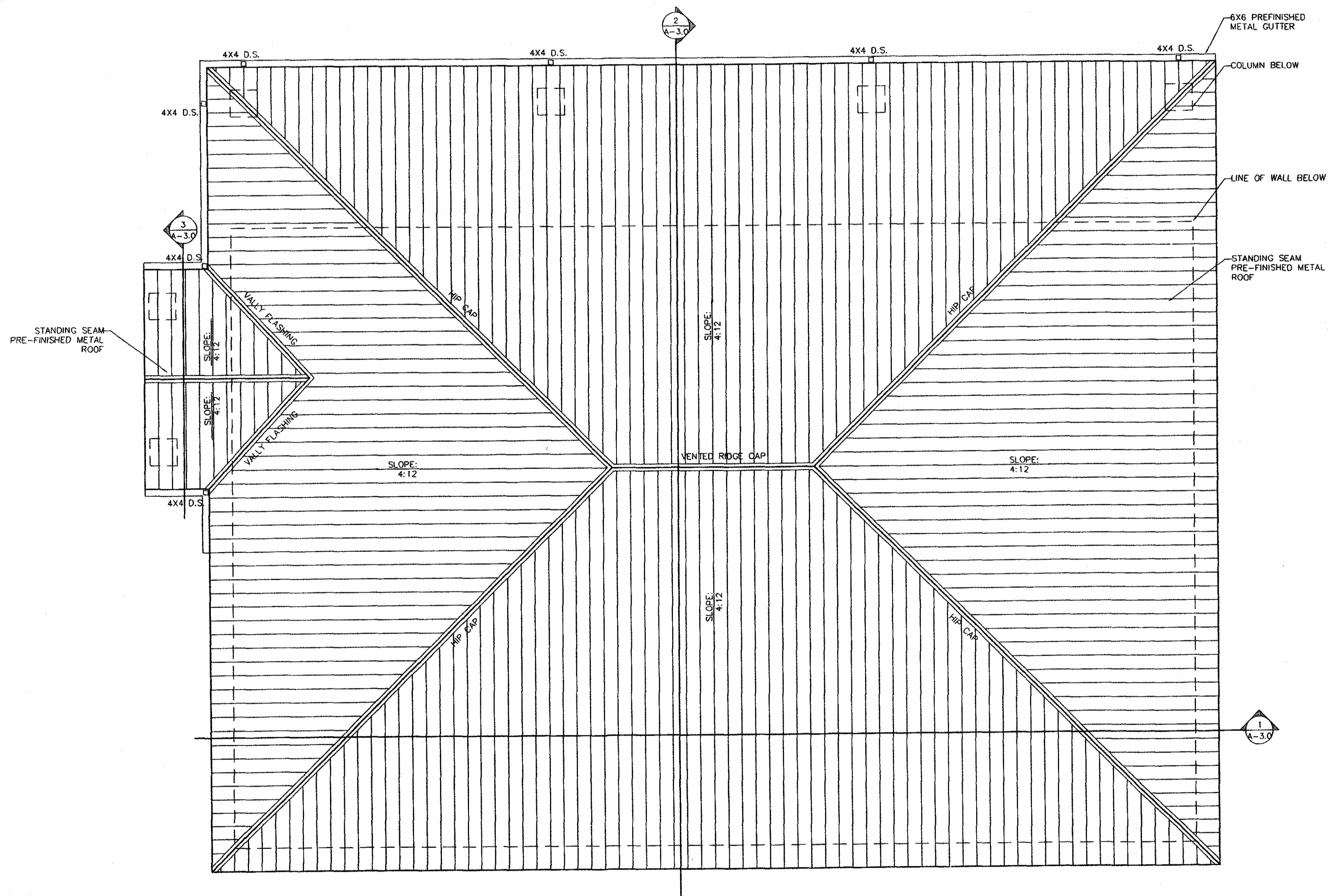
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REVISIONS



FILE: F006033  
 DATE: 5/30/07

**A-6.0**  
 REFLECTED CEILING PLAN



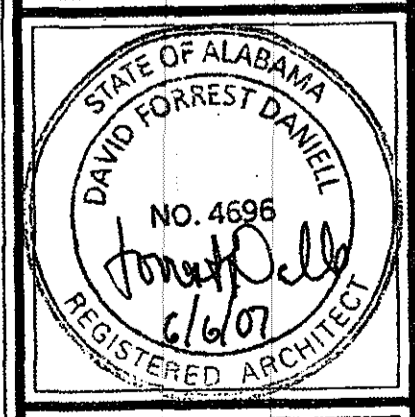


**ROOF PLAN**  
 3/16" = 1'-0"

Orange Beach Teen Center  
 Orange Beach, Alabama

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FILE NAME: FD06033-A1.dwg
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FILE: FD06033  
 DATE: 5/30/07

**A-7.0**  
 ROOF PLAN

CONSTRUCTION TYPE: TYPE VB, SPRINKLERED

PER 2003 IBC TABLE 601, TYPE VB CONSTRUCTION REQUIRES A FIRE RATING OF (0) FOR THE STRUCTURAL FRAME, BEARING WALLS, NONBEARING WALLS AND PARTITIONS, FLOOR CONSTRUCTION AND ROOF CONSTRUCTION.

PER 2003 IBC, TABLE 602 REQUIRES A FIRE RATING OF (0) FOR GROUP A TYPE VB CONSTRUCTION BEING >30' FOR SEPARATION DISTANCE. ALL BUILDINGS LOCATED ON SAME LOT HAVE A SEPARATION DISTANCE GREATER THAN 30' AND ARE NOT IN CLOSE PROXIMITY OF PROPOSED BUILDING (SEE CIVIL).

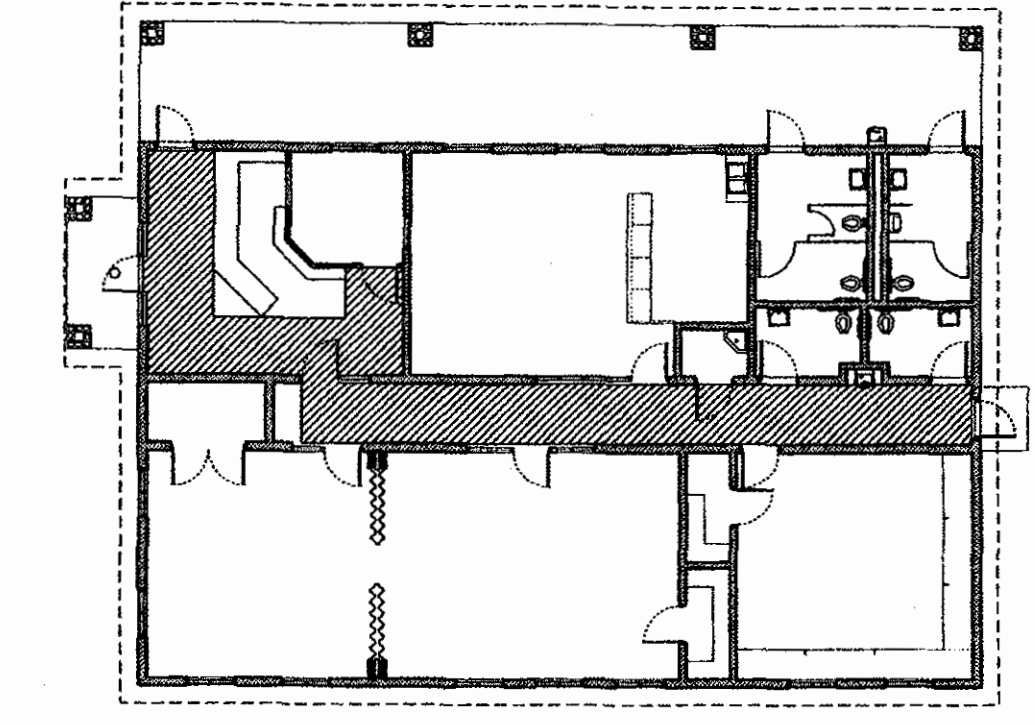
PER 2003 IBC, TABLE 704 G, BUILDINGS WHOSE EXTERIOR BEARING WALL, EXTERIOR NONBEARING WALL AND EXTERIOR STRUCTURAL FRAME ARE NOT REQUIRED TO BE FIRE-RESISTANCE RATED SHALL BE PERMITTED TO HAVE UNLIMITED UNPROTECTED OPENINGS.

OCCUPANCY: EDUCATIONAL  
 ALLOWABLE AREA PER FLOOR = 6,000 SF, ACTUAL = 3,170 SF  
 ALLOWABLE HEIGHT = 40', ACTUAL = 21'-4"  
 ALLOWABLE NUMBER OF STORIES = 1, ACTUAL = 1

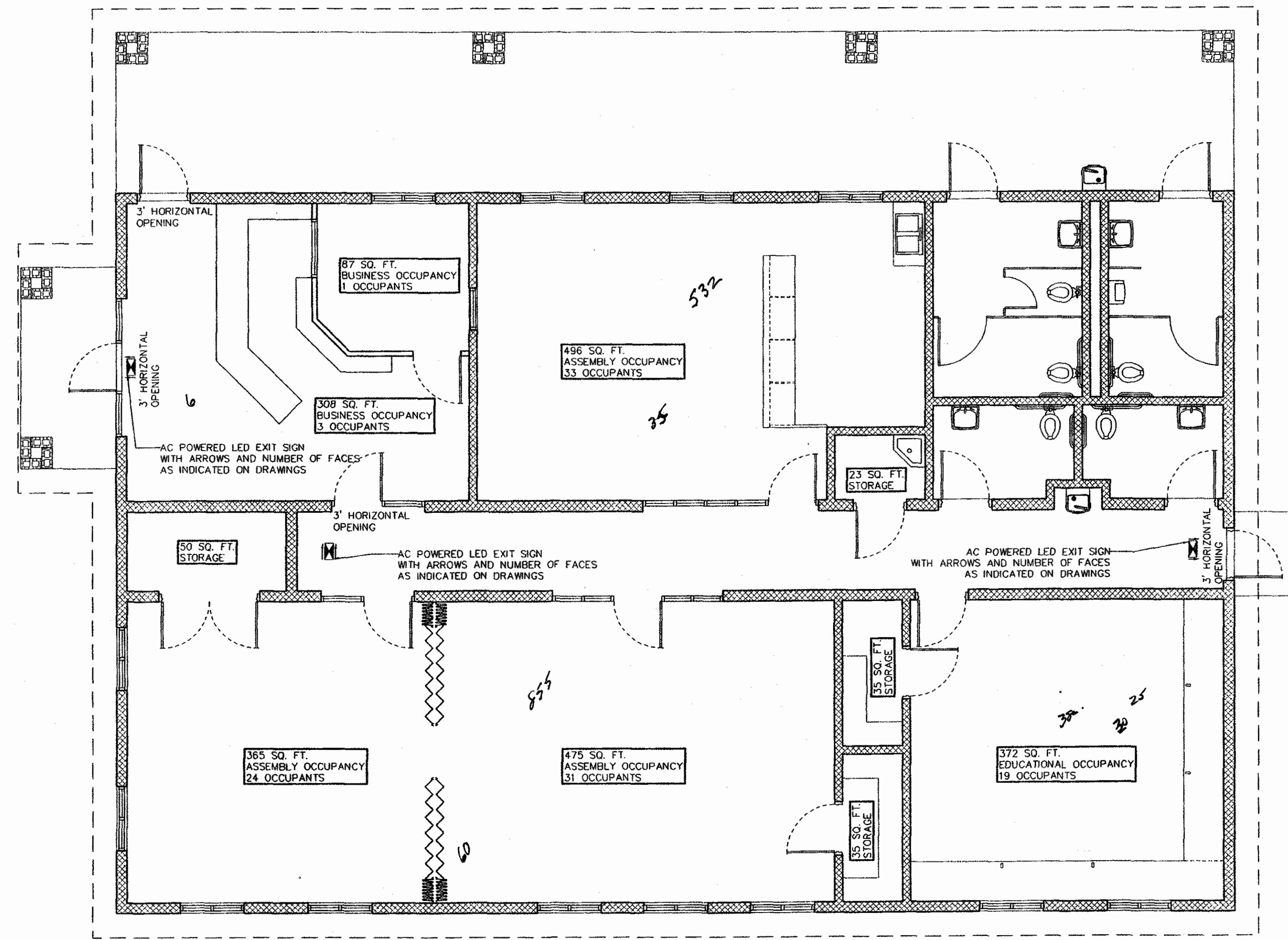
OCCUPANCY LOAD (TABLE 1004.1.2): 111

MINIMUM NUMBER OF PLUMBING FACILITIES PER TABLE 2902.1, 2003 IBC

WATER CLOSETS REQUIRED: 1 PER 125, REQUIRED 1, SUPPLIED 3  
 LAVATORIES REQUIRED: 1 PER 200, REQUIRED 1, SUPPLIED 1  
 DRINKING FOUNTAINS REQUIRED: 1 PER 100, REQUIRED 2, SUPPLIED 3  
 SERVICE SINKS REQUIRED: 1, SUPPLIED 1



2 EGRESS PATH KEY PLAN  
 A-8.0  
 N.S.



1 LIFE SAFETY PLAN  
 A-8.0  
 3/16" = 1'-0"

380  
 350  
 250  
 120

34 x 3

74-

Orange Beach Teen Center  
 Orange Beach, Alabama

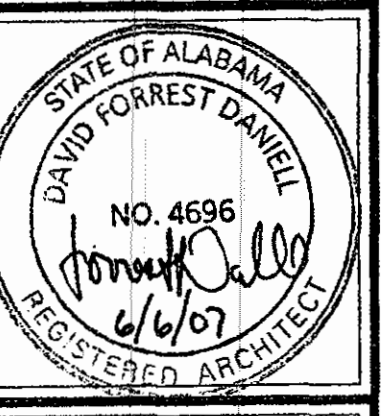
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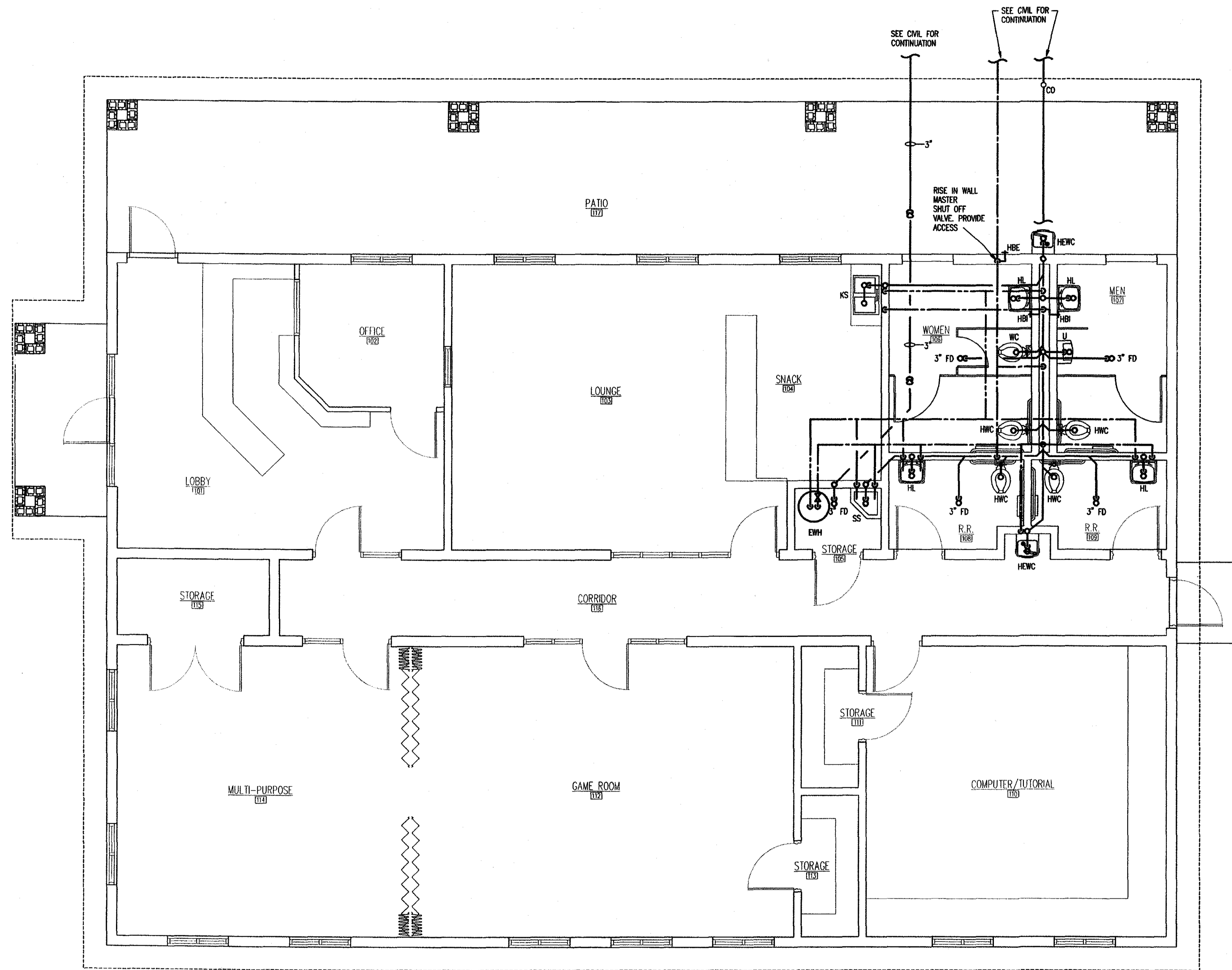
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FILE NAME: FD06033-A1.dwg
T.D.

REVISIONS



FILE: FD06033  
 DATE: 5/30/07

A-8.0  
 LIFE SAFETY PLAN



1 FLOOR PLAN - PLUMBING  
 P-1.0  
 1/4" = 1'-0"

11 Mirada Ship Parkway SW 213 West 8th Street  
 Fort Walton Beach, FL 32548 Panama City, FL 32401  
 850.244.6188V 850.244.0545F 850.215.4089V 850.215.4089F  
**JOHNSON PEADEN** johnson@johnsonpeaden.com PWB  
 johnsonpeaden.com PC  
 ENGINEERING INC. ALACD 34202-FL 00000014 GAHSF000088 MSBE-00000882

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JPE Job Number: 0716

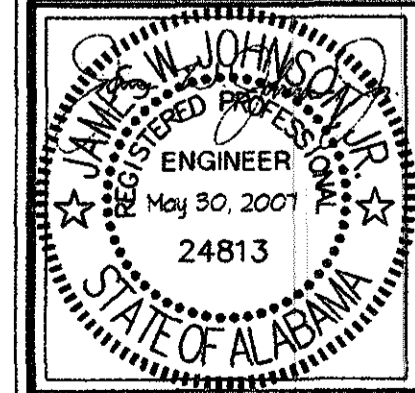
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 (251) 625-6494 fax  
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DATA

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

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REVISIONS

FILE: F06016

DATE: 3/23/07

**P-1.0**  
 PLUMBING PLAN

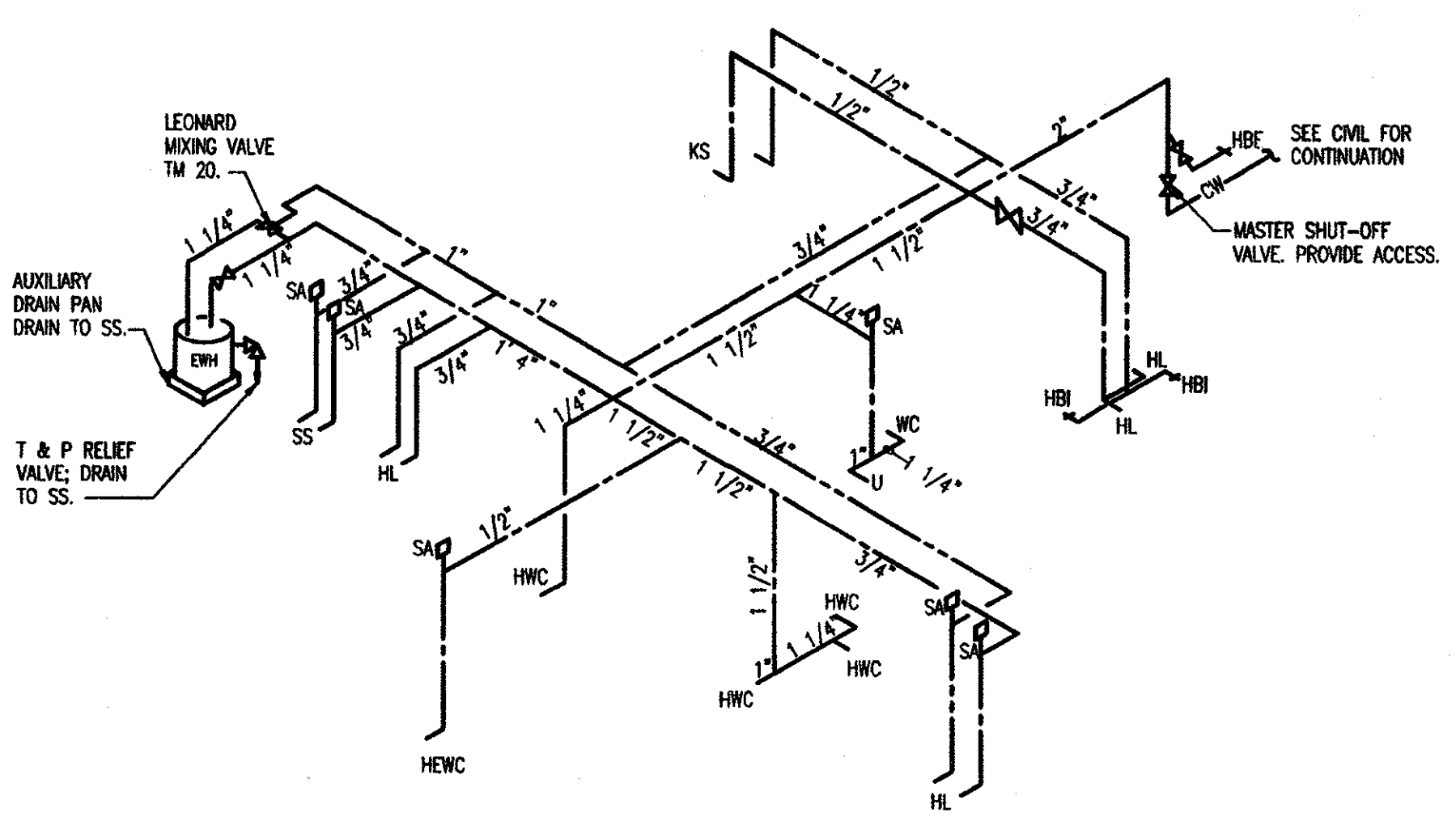
Orange Beach Teen Center  
 Orange Beach,  
 Alabama

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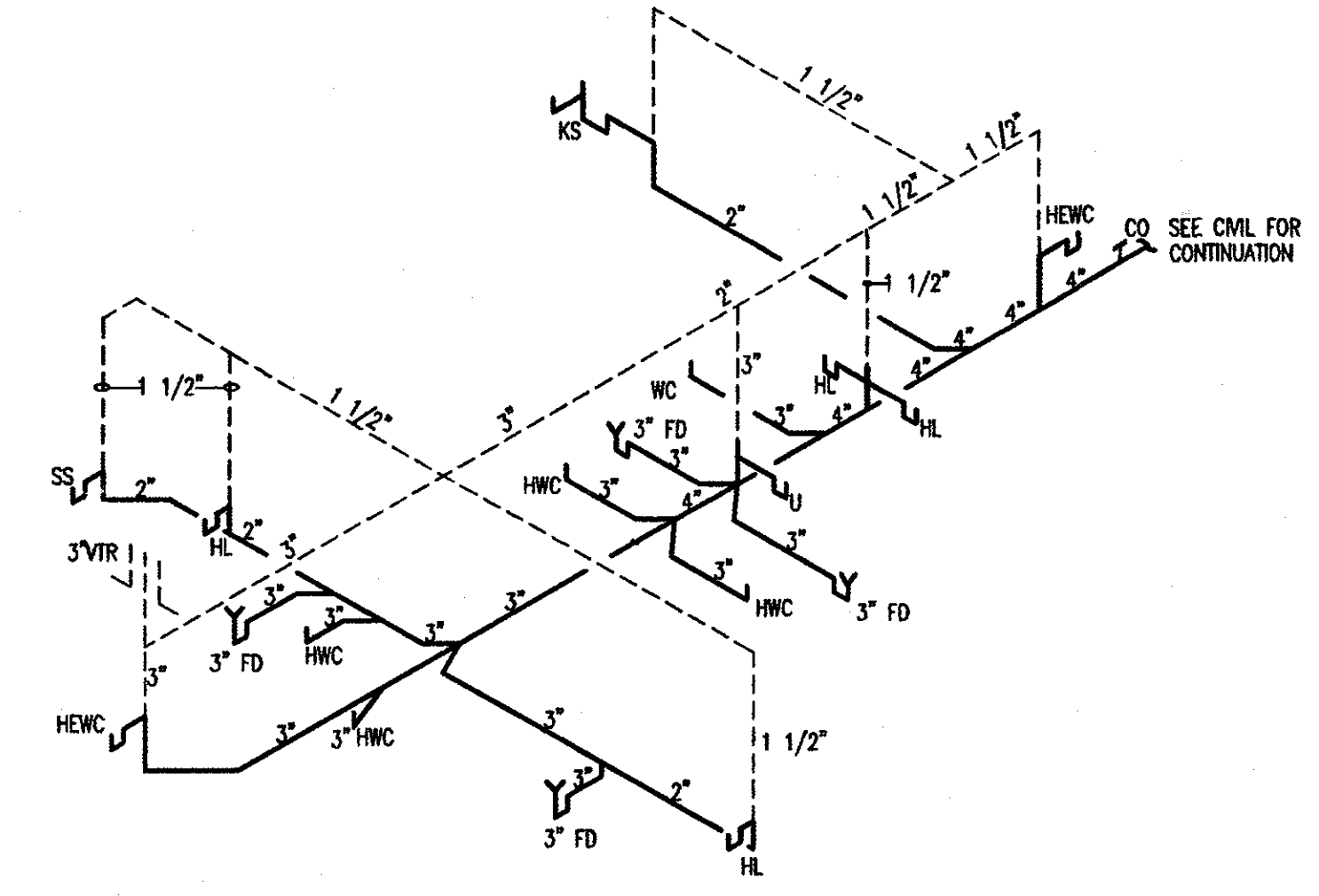
PLUMBING FIXTURE SCHEDULE				
MARK	FIXTURE	SANITARY	C.W.	H.W.
WC	WATER CLOSET, FLOOR MOUNTED, FLUSH VALVE	3"	1 1/4"	-
HWC	WATER CLOSET, FLOOR MOUNTED, FLUSH VALVE, ADA COMPLIANT	3"	1 1/4"	-
U	URINAL, WALL HUNG, CARRIER W/ BEARING PLATE, ADA COMPLIANT	2"	1"	-
HL	LAVATORY, WALL HUNG, CARRIER, ADA COMPLIANT W/SUPPLY & TRAP WRAP	1 1/4"	1/2"	1/2"
HEWC	ELECTRIC WATER COOLER, ADA COMPLIANT	1 1/4"	1/2"	-
SS	MOP SINK	2"	1/2"	1/2"
KS	DOUBLE COMPARTMENT COUNTER TOP SINK	1 1/2"	1/2"	1/2"
HBI	HOSE BIBB, INTERIOR, KEY OPERATED	-	3/4"	-
HBE	HOSE BIBB, EXTERIOR, KEY OPERATED, FREEZE PROOF	-	3/4"	-
FD	FLOOR DRAIN WITH TRAP PRIMER	3"	1/2"	-

- GENERAL PLUMBING NOTES**
- FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NEEDED TO PROVIDE A COMPLETE PLUMBING SYSTEM. THIS INCLUDES, BUT IS NOT LIMITED TO, WATER PIPING, WASTE AND VENT PIPING, AND ALL NECESSARY VALVES, TRAPS, AND ACCESSORIES.
  - ALL WORK SHALL BE PERFORMED BY SKILLED AND EXPERIENCE WORKMEN. WORK SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL CODES. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED PERMITS, LICENSES, AND INSPECTIONS.
  - ROUGH-INS SHALL BE MADE FROM ARCHITECTURAL DRAWINGS AND FIELD VERIFICATION, NOT FROM PLUMBING DRAWINGS AS THEY ARE ONLY SCHEMATIC. THIS CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS AND TAPS, AND FOR CHECKING ALL ELEVATIONS, GRADES, AND INVERTS BEFORE THE START OF CONSTRUCTION. IF UNSATISFACTORY CONDITIONS EXIST, NOTIFY THE ARCHITECT IMMEDIATELY.
  - THIS CONTRACTOR SHALL COORDINATE ALL WORK WITH THE ELECTRICAL, MECHANICAL, AND FIRE PROTECTION CONTRACTORS TO AVOID CONFLICTS WITH OTHER TRADES. MAKE DEVIATIONS AS NECESSARY FROM THE WORK SHOWN ON THE DRAWINGS TO ENSURE THE WORK FITS THE SPACE(S) PROVIDED. NOTIFY THE ARCHITECT OF ALL NECESSARY DEVIATIONS.
  - IF NEW CONNECTIONS REQUIRE INTERRUPTION OF EXISTING SERVICES, ALL PREPARATORY WORK SHALL BE COMPLETED EARLY TO MINIMIZE TIME. WHERE POSSIBLE, PROVIDE TEMPORARY CONNECTIONS TO MAINTAIN UTILITY SERVICE.
  - ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND WITHOUT DEFECTS. SUBMIT SHOP DRAWINGS FOR ALL EQUIPMENT AND MATERIALS. ALL WORK DONE BY THIS CONTRACTOR SHALL BE WARRANTED FOR ONE YEAR FROM THE TIME THE OWNER GIVES ACCEPTANCE OR GAINS BENEFICIAL USE, WHICHEVER IS FIRST.
  - ALL SANITARY AND VENT LINES SHALL BE HUBLESS CAST IRON PIPE CIPSI 310-78 STANDARD WEIGHT WITH SPIGOT ENDS FOR COUPLING. HUBLESS CAST IRON JOINTS TO BE CIPSI 310 STAINLESS STEEL SHIELD OVER ONE PIECE NEOPRENE SLEEVE. THIS CONTRACTOR MAY USE PVC PIPE AND FITTINGS CONFORMING TO ASTM D-2685 WHERE ALLOWED BY CODE.
  - ROOF PENETRATIONS SHALL BE FLASHED AND MADE WATER-TIGHT IN A MANNER APPROVED BY THE MANUFACTURER OF THE ROOFING MATERIAL AND COMPLYING WITH ARCHITECTURAL REQUIREMENTS.
  - PROVIDE CLEANOUTS WHERE INDICATED ON PLANS AND AS NECESSARY TO COMPLY WITH THE STANDARD PLUMBING CODE. ALL CLEANOUTS SHALL BE IN ACCESSIBLE LOCATIONS.
  - INSULATE ALL DOMESTIC WATER PIPING ABOVE GRADE WITH 3/4" THICK FLEXIBLE CLOSED-CELL POLYETHYLENE INSULATION. SEAL ALL JOINTS AND SEAMS AND INSULATE FITTINGS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
  - HANGERS FOR EQUIPMENT AND PIPING SHALL BE SECURED TO THE BUILDING STRUCTURE. NO HANGERS SHALL BE ATTACHED TO THE FLOOR OR ROOF DECK MATERIAL, OR CONCRETE DECKS LESS THAN 4" THICK.
  - INSTALL SHOCK ABSORBERS VERTICALLY AT EACH FIXTURE. OFFSET AS NEEDED TO GAIN A MINIMUM HEIGHT OF 18". ALL SHOCK ABSORBERS SHALL BE A MINIMUM OF ONE PIPE SIZE LARGER THAN THE BRANCH BEING SERVED.
  - PROVIDE CHROME PLATED BRASS ESCUTCHEON PLATES AT ALL PENETRATIONS OF WALLS, FLOORS OR CEILINGS IN FINISHED AREAS AND UNDER LAVATORIES. PROVIDE STOPS AND TRAPS FOR ALL FIXTURES. LEAK TEST WATER PIPING, FOR NOT LESS THAN 90 MINUTES AT 100 PSF. FILL SANITARY SEWER SYSTEM TO A MINIMUM HEIGHT OF TEN FEET AND LET STAND FOR AT LEAST 30 MINUTES WITHOUT LEAKAGE. AFTER PRESSURE TESTS HAVE BEEN MADE, THOROUGHLY FLUSH THE ENTIRE DOMESTIC WATER SYSTEM WITH WATER UNTIL ALL ENTRAPPED DIRT AND MUD HAVE BEEN REMOVED, AND STERILIZE. THE STERILIZING MATERIAL SHALL BE EITHER LIQUID CHLORINE CONFORMING TO THE FED. SPEC. BB-C-120, OR HYPOCHLORITE CONFORMING TO FED. SPEC. O-C-114, OR FED. SPEC. O-S-602M. THE CHLORINATING AGENT SHALL PROVIDE A MINIMUM DOSAGE OF 50 PPM AND SHALL BE RETAINED IN THE SYSTEM FOR 90 MIN. THE SYSTEM WILL THEN BE FLUSHED WITH CLEAN POTABLE WATER UNTIL THE RESIDUAL CHLORINE IS REDUCED TO LESS THAN 1.0 PPM. HAVE THREE STATE-APPROVED INDEPENDENT TESTING FACILITIES TAKE SAMPLES AND DELIVER CERTIFICATES OF APPROVAL TO THE OWNER. ANY NEGATIVE RESULTS MUST BE INVESTIGATED, AND IF NECESSARY CORRECTED, BEFORE THE BUILDING MAY BE ACCEPTED.

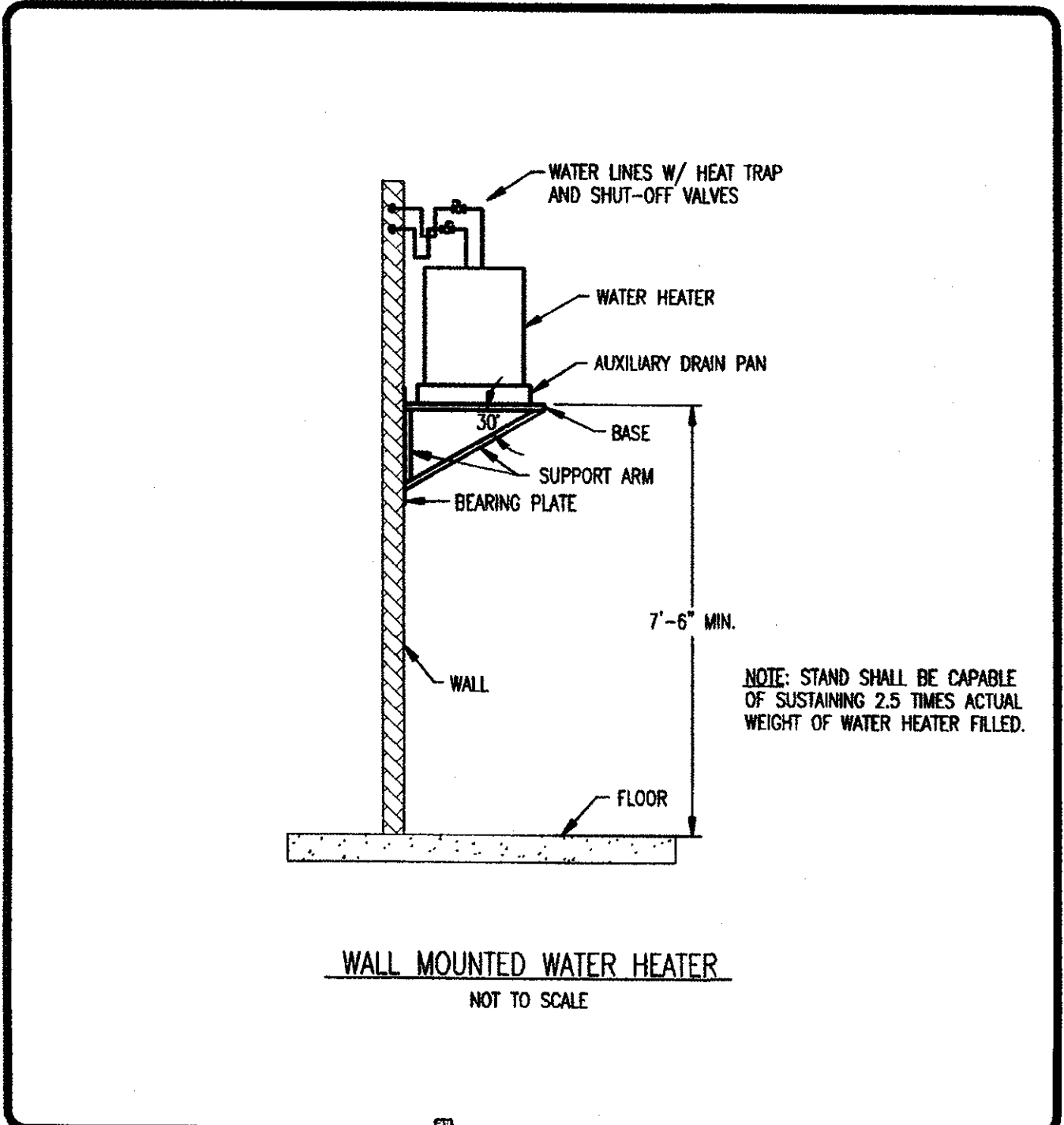
PLUMBING LEGEND	
---	SOIL OR WASTE LINE
- - - -	VENT
---	COLD WATER (CW)
---	HOT WATER (HW)
---	COLD WATER (EXTERIOR)
⊗	GATE VALVE
⊕	T & P RELIEF VALVE
⊖	WALL CLEANOUT
⊙	FLOOR CLEANOUT
⊓	SHOCK ABSORBER
⊔	VENT THRU ROOF



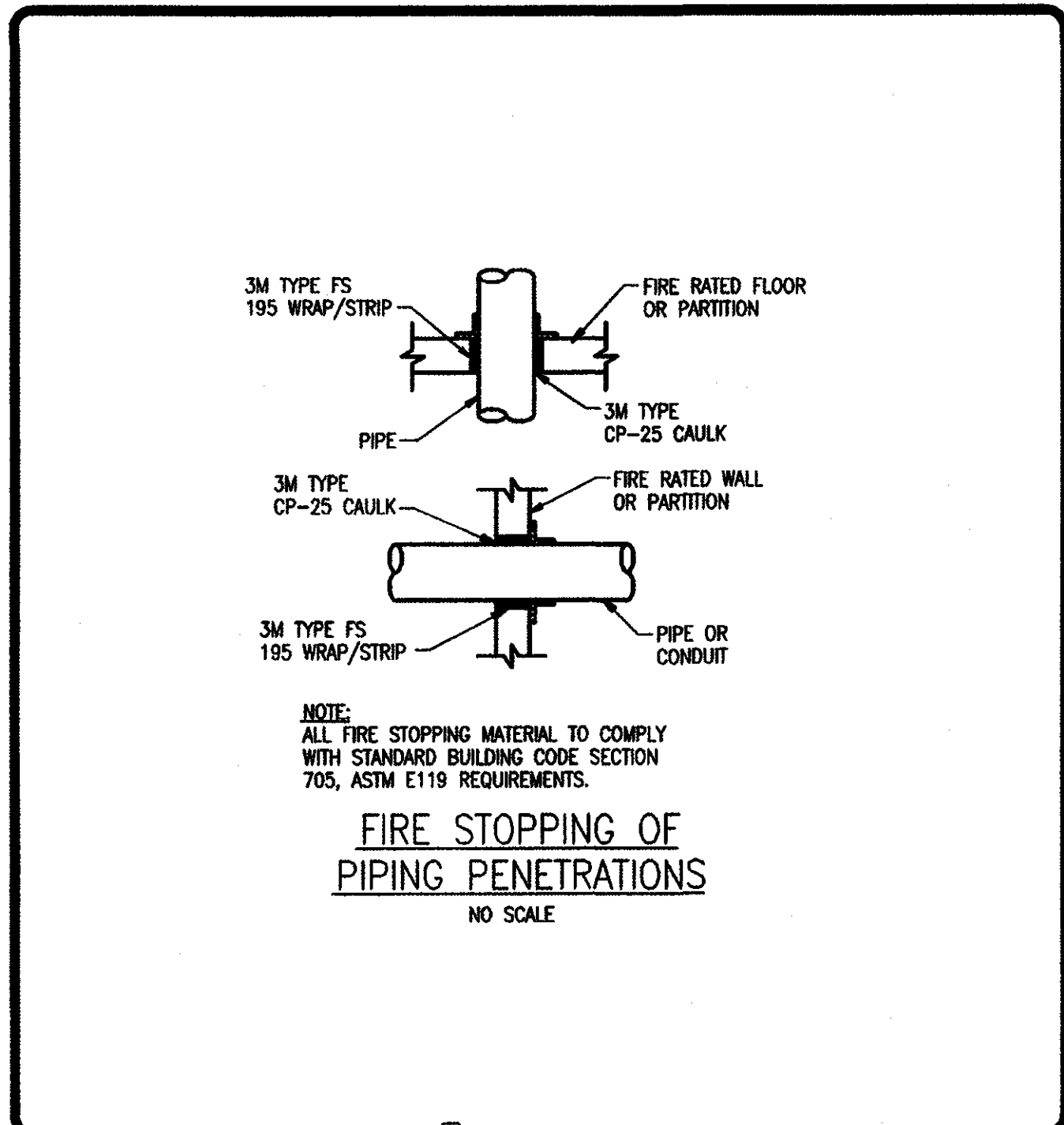
PORTABLE WATER RISER  
NOT TO SCALE



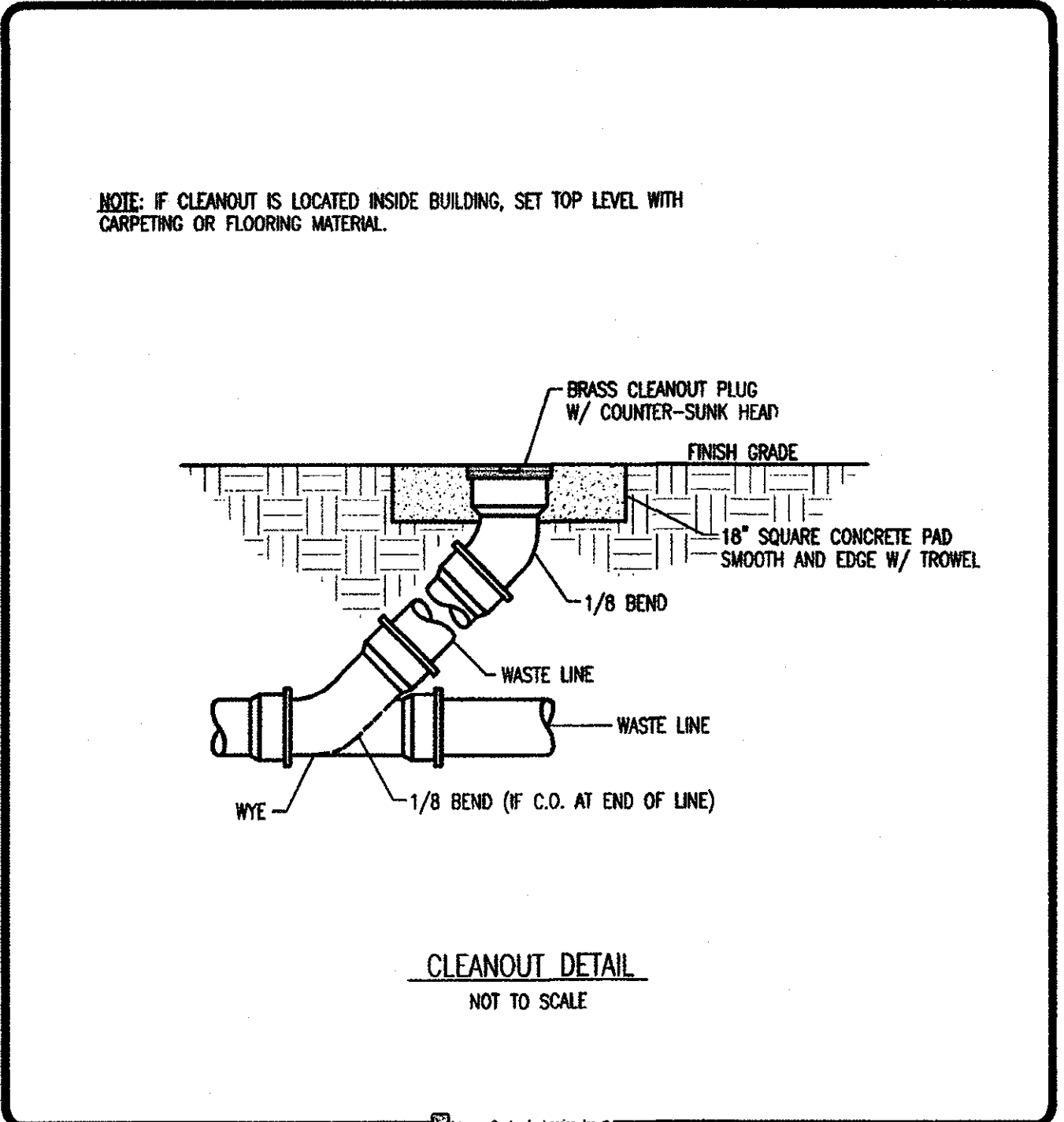
SANITARY SEWER RISER  
NOT TO SCALE



WALL MOUNTED WATER HEATER  
NOT TO SCALE



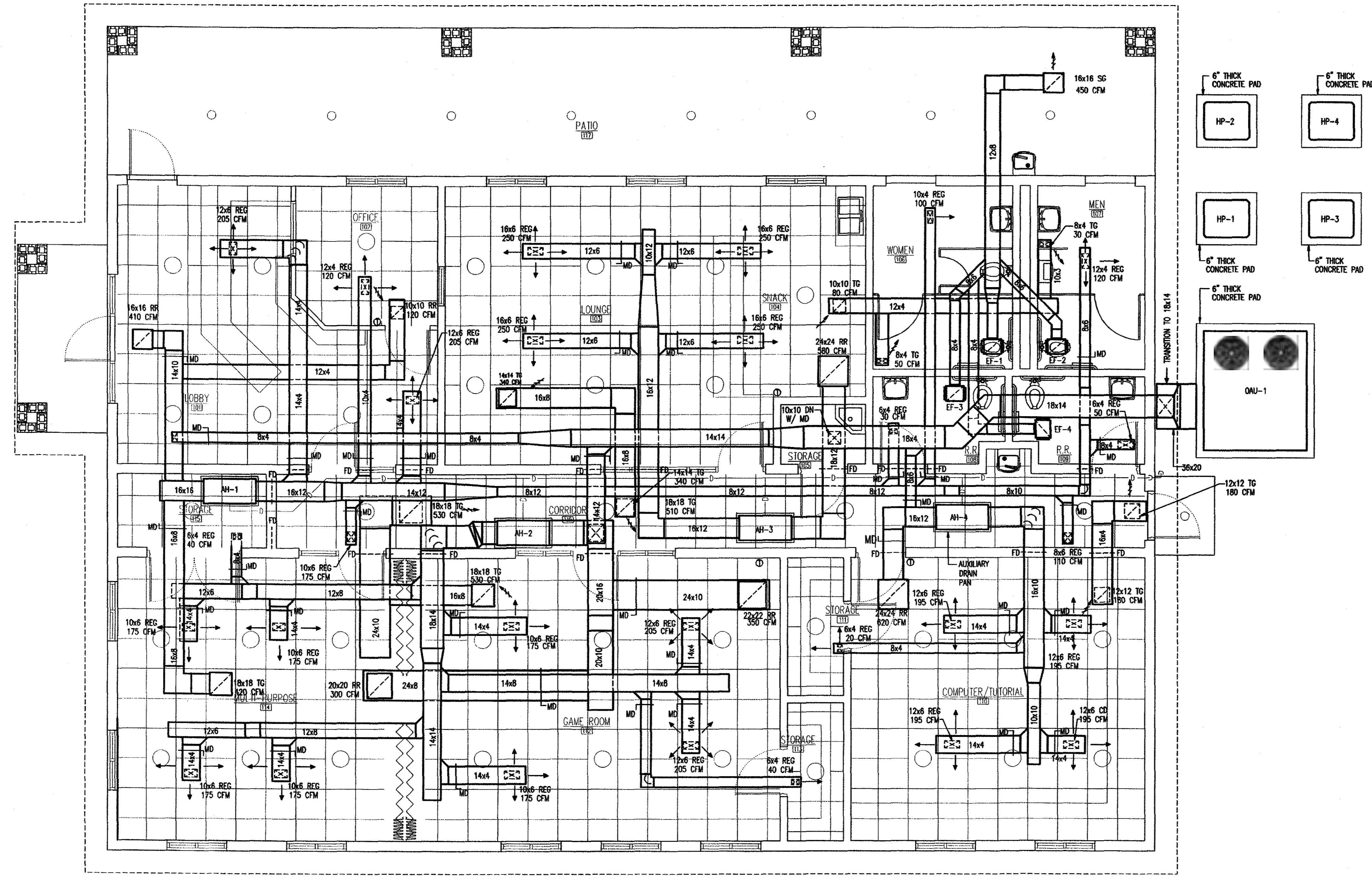
FIRE STOPPING OF PIPING PENETRATIONS  
NO SCALE



CLEANOUT DETAIL  
NOT TO SCALE

11 Miracle Strip Parkway SW  
Fort Walton Beach, FL 32548  
850.244.6199 850.244.5459 850.216.4089 850.216.4088  
johnson@johnsonpedden.com FWB  
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JPE Job Number: 0718

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1 FLOOR PLAN - MECHANICAL  
M-1.0  
1/4" = 1'-0"

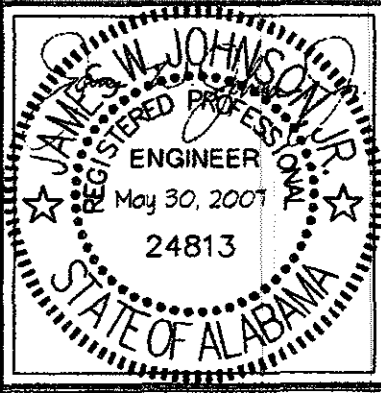
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DATA

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

FILE NAME: F06033-M1.dwg

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 JPE Job Number: 0716

FILE: F06033  
DATE: 3/23/07

**M-1.0**  
HVAC PLAN

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MECHANICAL LEGEND	
MARK	DESCRIPTION
→	RETURN OR EXHAUST AIR
⊖	THERMOSTAT
⊕	SMOKE DETECTOR
EX	EXISTING
⊖	DOOR UNDERCUT 1"
⊖	DOOR GRILLE EQ. NEMOSTAT AFDL OR EQUAL
	TURNING VANES IN DUCT
	MANUAL DAMPER
	SUPPLY OR OUTSIDE AIR DUCT IN SECTION
	RETURN OR EXHAUST AIR DUCT IN SECTION
	DUCT SIZE (FIRST DIMENSION AS VIEWED)
	CEILING TYPE AIR DIFFUSER RECTANGULAR 4-WAY SHOWN
	CEILING EXHAUST OR RETURN AIR REGISTER
CFM	CUBIC FEET PER MINUTE
DN	DOWN
OAU	100% OUTSIDE AIR MACHINE
RR	RETURN REGISTER (TITUS 23RL-MT)
OA	OUTSIDE AIR
EF	EXHAUST FAN
AH/HP	AIR HANDLER/HEAT PUMP
REG	SUPPLY REGISTER (TITUS 250-AA)
→	SUPPLY AIR

SPLIT SYSTEM HEAT PUMP SCHEDULE															
UNIT NO.	TOTAL COOLING (MBH)	SENSIBLE COOLING (MBH)	LATENT COOLING (MBH)	SEER	OUTDOOR TEMP-COOLING	TOTAL HEATING @ 17°F (MBH)	COP	HSPF	OUTDOOR TEMP-HEATING	FLA	MCA	MOCOP	VOLT/PHASE	TRANE MODEL NUMBER	REMARKS
HP-1	31.8	24.9	6.9	14.00	94.0°FDB/77.0°FWB	23.1	3.5	8.7	26°FDB/21.8°FWB	16.7	21	35	208-230/1	4TWX4036	1, 2
HP-2	49.4	33.6	15.8	14.00	86.9°FDB/73.3°FWB	28.2	3.5	8.4	26°FDB/21.8°FWB	24.4	30	50	208-230/1	4TWX4048	1, 2
HP-3	27.2	21.3	5.9	14.00	92.5°FDB/76.9°FWB	18.2	3.3	8.4	26°FDB/21.8°FWB	18.1	20	30	208-230/1	4TWX4030	1, 2
HP-4	22.0	17.9	4.1	14.00	91.5°FDB/75.9°FWB	12.6	3.4	7.8	26°FDB/21.8°FWB	10.3	13	20	208-230/1	4TWX4024	1, 2

REMARKS:  
 1. UNIT SHALL BE EQUIPPED WITH A DIGITAL PROGRAMMABLE THERMOSTAT, ADJUSTABLE OUTDOOR AIR THERMOSTAT, ANTI-SHORT-CYCLE TIMER AND TXV VALVE.  
 2. UNIT SHALL HAVE LOW AMBIENT COOLING CAPACITY AND EVAPORATOR DEFROST CONTROL.

SPLIT SYSTEM AIR HANDLER SCHEDULE													
UNIT NO.	AIR CFM	APPROX. E.S.P. W.G.	FAN H.P.	COOLING ENT AIR TEMP	COOLING LGV TEMP	OUTSIDE AIR CFM	OUTDOOR TEMP-COOLING	ELEC HEAT (240V)	MCA	MOCOP	VOLT/PHASE	TRANE MODEL NUMBER	REMARKS
AH-1	1050	0.70	1/2	74.3°FDB/60.3°FWB	52.7°FDB/51.4°FWB	100	94.0°FDB/77.0°FWB	7.68 kW	35	40	208/1	4TEE3F37	1, 2
AH-2	1900	0.70	3/4	74.0°FDB/63.1°FWB	52.7°FDB/51.8°FWB	950	86.9°FDB/73.3°FWB	7.68 kW	43	45	208/1	4TEE3F49	1, 2
AH-3	1000	0.70	1/2	74.0°FDB/60.9°FWB	52.7°FDB/51.5°FWB	420	92.5°FDB/76.9°FWB	7.68 kW	40	40	208/1	4TEE3F31	1, 2
AH-4	800	0.70	1/2	74.1°FDB/60.6°FWB	52.7°FDB/51.4°FWB	180	91.5°FDB/75.9°FWB	7.68 kW	40	40	208/1	4TEE3F31	1, 2

REMARKS:  
 1. UNIT SHALL BE WIRED FOR SINGLE POINT CONNECTION, PROGRAMMABLE AUTO-CHANGEOVER THERMOSTAT AND FACTORY-INSTALLED NON-BLEED THERMAL EXPANSION VALVE.  
 2. OUTSIDE AIR SUPPLIED BY 100% OUTSIDE AIR PACKAGE UNIT. RUN CONDENSATE OUT WITH REFRIGERANT LINE SET. SPILL ON GRADE. INSTALL FLOAT SWITCH IN AUXILIARY DRAIN PAN

VENTILATION FAN SCHEDULE										
MARK	CFM	S.P. W.G.	MIN. WATTS/HP	MAX. RPM	MAX. SONES	FAN TYPE	DRIVE TYPE	EQUAL TO GREENHECK MOD. #	CONTROL OR INTERLOCK	NOTES
EF-1	150	0.375	48W	844	3.0	CENTRIFUGAL	DIRECT	SP-A200	OUA-1	1
EF-2	150	0.375	48W	844	3.0	CENTRIFUGAL	DIRECT	SP-A200	OUA-1	1
EF-3	75	0.375	48W	685	2.1	CENTRIFUGAL	DIRECT	SP-A200	OUA-1	1
EF-4	75	0.375	48W	685	2.1	CENTRIFUGAL	DIRECT	SP-A200	OUA-1	1

REMARK NOTES:  
 1. FAN SHALL BE COMPLETE WITH BACKDRAFT DAMPERS, DISCONNECT, WHITE ALUMINUM GRILLE, ISOLATOR KIT.

DESIGN CONDITIONS			
SUMMER		WINTER	
INDOOR	OUTDOOR	INDOOR	OUTDOOR
75°FDB	94°FDB	70°FDB	28°FDB
55% RH	77°FWB	40% RH	25°FWB

100% OUTSIDE AIR PACKAGE UNIT SCHEDULE																		
UNIT NO.	AIR CFM	APPROX. E.S.P. W.G.	FAN H.P.	COOLING OUTDOOR TEMP	COOLING LGV TEMP	HOT GAS REHEAT LGV TEMP	OUTDOOR TEMP-HEATING	REHEAT MBH	ELECTRIC HEATER	STG	EER	TOTAL CAP (MBH)	SENS CAP (MBH)	VOLT/PHASE	MCA	MOCOP	ADDISON NUMBER	REMARKS
OAU-1	1650	0.8	2	95°FDB/80°FWB	56.4°FDB/56.4°FDP	70.0°FDB/56.4°FDP	26.0°FDB	24.3	25.0 kW	4	9.0	140.66	70.15	208/3	81.4	90	TR5120	1,2

REMARK NOTES:  
 1. ELECTRICAL HEATER SHALL NOT OPERATE SIMULTANEOUSLY WITH COMPRESSOR. IF EXTRA ELECTRIC HEAT IS REQUIRED USED DUCT HEATER MANUFACTURED BY NEPRONIC IN LIEU OF ADDISON ELECTRIC HEAT. COORDINATE WITH ELECTRICAL.  
 2. UNIT SHALL BE SUPPLIED WITH VARIABLE HOT GAS REHEAT, COILS COATED WITH HYPOXY, STAINLESS STEEL DRAIN PAN, VOLTAGE PHASE MONITOR, ELECTRIC HEAT, MODULATING SA TEMP. PROVIDE SAME MANUFACTURER'S ROOF CURB FOR UNIT.

**GENERAL MECHANICAL NOTES**

- FURNISH ALL LABOR, EQUIPMENT, AND MATERIALS TO PROVIDE A COMPLETE MECHANICAL SYSTEM. DUE TO THE SCHEMATIC NATURE OF THESE PLANS, THE CONTRACTOR SHALL FIELD-VERIFY LOCATIONS FOR EQUIPMENT DUCTWORK, AND ACCESSORIES. IN ADDITION, THIS WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICTS. THE CONTRACTOR SHALL ALSO REVIEW THE STRUCTURAL DRAWINGS BEFORE FABRICATING AND INSTALLING DUCTWORK OR EQUIPMENT.
- ALL WORK SHALL BE PERFORMED BY SKILLED AND EXPERIENCED WORKMEN. WORK SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL CODES. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED PERMITS, LICENSES, AND INSPECTIONS.
- ALL MATERIALS SHALL BE NEW AND WITHOUT DEFECTS. SUBMIT SHOP DRAWINGS FOR ALL MATERIALS AND EQUIPMENT. ALL WORK DONE BY THIS CONTRACTOR SHALL BE WARRANTED FOR ONE YEAR FROM THE TIME THE OWNER GIVES ACCEPTANCE OR GAINS BENEFICIAL USE, WHICHEVER IS FIRST. ALL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- DUCT SIZES ON DRAWINGS ARE INSIDE CLEAR DIMENSIONS. DUCT SHALL BE OF LOW-PRESSURE (1.0" w.g.) CONSTRUCTION AS CLASSIFIED BY SMACNA UNLESS OTHERWISE NOTED. ALL DUCT SHALL HAVE MINIMUM 1" INTERNAL LINER FOR THE FIRST 20 FEET FOR SOUND ATTENUATION. AFTER 20 FEET, THE CONTRACTOR MAY USE 1" MINIMUM LINER OR 2" EXTERNAL WRAP (MINIMUM R-4.2 FOR BOTH). MINIMUM 1" THICK, 475 E-RATED DUCTBOARD MAY BE USED WITH THE APPROVAL OF THE OWNER AND THE ARCHITECT.
- FLEXIBLE DUCT MAY BE INSTALLED ONLY WHERE SHOWN ON THE DRAWINGS. DUCT SHALL BE EXTERNALLY-INSULATED CORRUGATED METAL WITH A MAXIMUM LENGTH OF 8'-0". FOR TAKE-OFFS LONGER THAN 8'-0", THE REMAINDER OF THE DISTANCE SHALL BE EXTERNALLY-WRAPPED SINGLE-WALL ROUND DUCT WITH A SPIN-IN STYLE TAP AT THE MAIN DUCT.
- HANGERS FOR EQUIPMENT AND PIPING SHALL BE SECURED TO THE BUILDING STRUCTURE. NO HANGERS SHALL BE ATTACHED TO THE FLOOR OR ROOF DECK MATERIAL OR CONCRETE BEAMS LESS THAN 4" THICK.
- ALL RETURN AND EXHAUST GRILLES SHALL HAVE OPPOSED-BLADE DAMPERS. ALL SUPPLY-SIDE TAKE-OFFS SHALL HAVE A BALANCING DAMPER.
- FIRE DAMPERS AND FIRE-STOPPING SHALL BE PROVIDED FOR ANY PENETRATIONS OF FIRE-RATED PARTITIONS. VERIFY LOCATIONS OF ALL FIRE-STOPPING ON THE ARCHITECTURAL DRAWINGS.
- ALL GRILLES AND REGISTERS SHALL BE EQUAL TO TITUS WITH ALUMINUM CONSTRUCTION. SUPPLY GRILLES SHALL BE EQUAL TO MODEL TDC. SUPPLY REGISTERS SHALL BE EQUAL TO MODEL 301. RETURN, EXHAUSTS AND TRANSFER GRILLES SHALL BE EQUAL TO MODEL 355 WITH OPPOSED-BLADE DAMPERS. GRILLE FINISH SHALL BE APPROVED BY THE OWNER AND THE ARCHITECT.
- EQUIPMENT INSTALLED UNDER THIS CONTRACT SHALL BE ABLE TO PROVIDE THE REQUIRED CAPACITIES IN THE MIDDLE OF ITS PERFORMANCE RANGE. ALL COMPRESSORS SHALL HAVE A MINIMUM 5-YEAR WARRANTY UNLESS OTHERWISE NOTED. THE EQUIPMENT SHALL HAVE ALL THE NECESSARY CONTROLS AND ACCESSORIES TO ALLOW FOR FULL OPERATION. IF EQUIPMENT HAS COMPONENTS OF A VIBRATIVE NATURE, THE CONTRACTOR SHALL PROVIDE THE NECESSARY VIBRATION CONTROLS.
- REFRIGERANT PIPING SHALL BE HARD-DRAWN TYPE K OR L COPPER WITH COPPER SOLDER FITTINGS. PIPING SHALL BE SOLDERED WITH SILVER SOLDER AND INSULATED WITH 1/2" THICK THERMAL TUBULAR JACKETING. SEAL INSULATION JOINTS WITH TAPE AND CEMENT OR PER MANUFACTURER'S INSTRUCTIONS. PRE-INSULATED AND PRE-CHARGED REFRIGERANT LINES MAY BE USED AS PROVIDED BY THE EQUIPMENT MANUFACTURER. WHERE INSULATION IS EXPOSED TO WEATHER PROTECT LINES WITH AN ALUMINUM COVER AND PAINT TO MATCH EXTERIOR FINISH.
- CONDENSATE DRAINS SHALL BE FULL-SIZE (1" MINIMUM) COPPER OR SCHEDULE 40 PVC. DRAINS SHALL BE INSULATED IN THE SAME MANNER AS REFRIGERANT LINES. DISCHARGE AS SHOWN ON THE DRAWINGS.
- CONTROLS SHALL BE EQUAL TO MANUFACTURER'S CONTROLS. OUTDOOR UNITS SHALL HAVE FACTORY-WIRED TIME DELAYS, PRESSURE SWITCHES, LOW-AMBIENT THERMOSTATS AND DEFROST CONTROLS. THERMOSTATS SHALL BE DIGITAL AND PROGRAMMABLE WITH BATTERY BACK-UP. SETPOINTS SHALL FOLLOW DESIGN CONDITIONS OR BE AS DIRECTED BY THE OWNER. MOUNT ALL THERMOSTATS AND TEMPERATURE SENSORS 60" A.F.F.
- THE HVAC SYSTEM SHALL BE TESTED AND BALANCED ACCORDING TO AABC STANDARDS. THE CONTRACTOR SHALL PROVIDE THE ARCHITECT WITH A COPY OF THE TEST AND BALANCE REPORT AND THE OWNER WITH A LETTER STATING THAT THE SYSTEM(S) HAVE BEEN BALANCED TO WITHIN 10% OF DESIGN PARAMETERS.

Orange Beach Teen Center  
 Orange Beach, Alabama

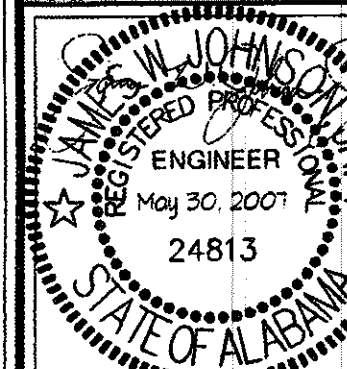
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DATA  
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REVISIONS



FILE: F06016  
 DATE: 3/23/07

M-2.0  
 HVAC SCHEDULES

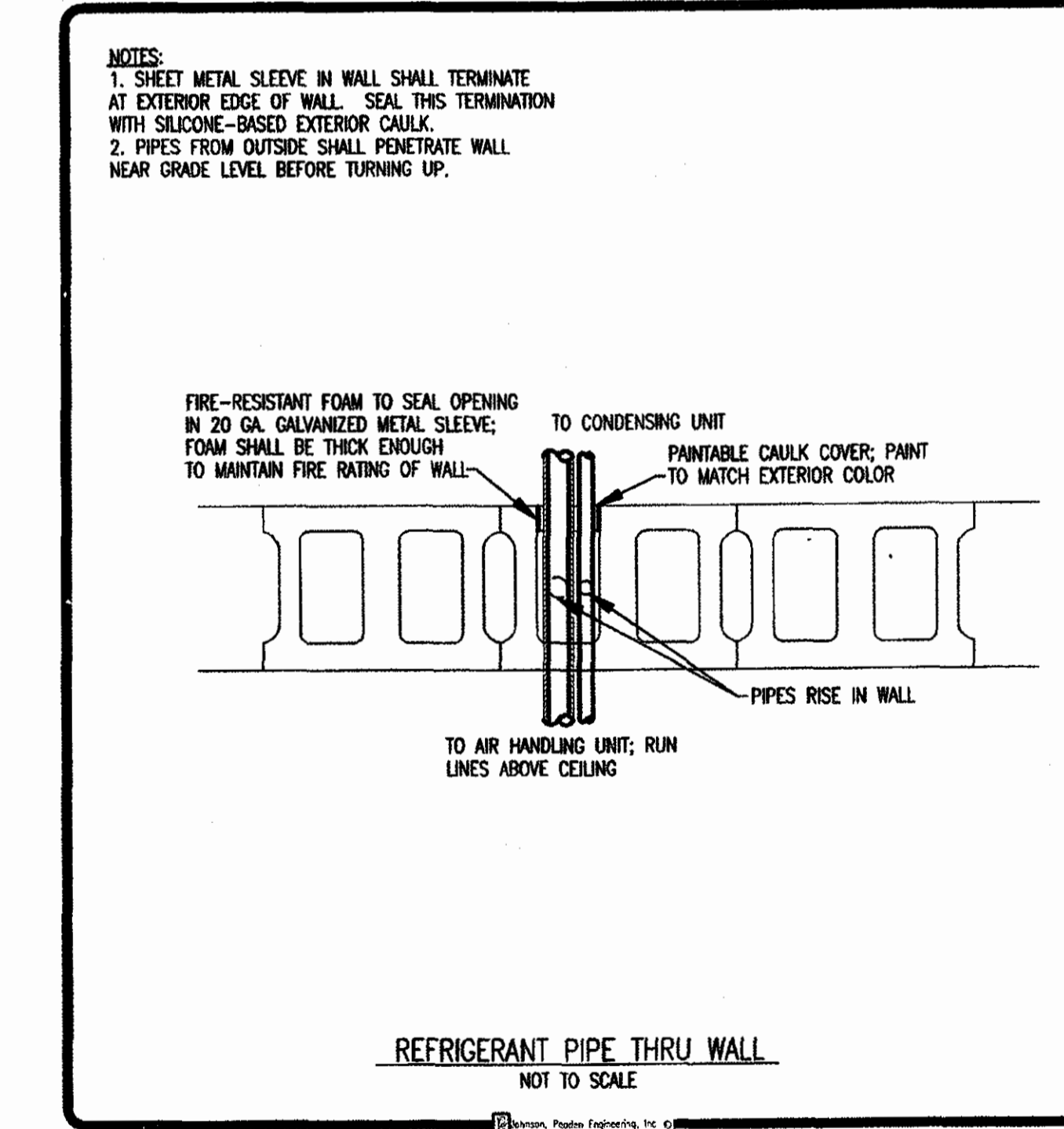
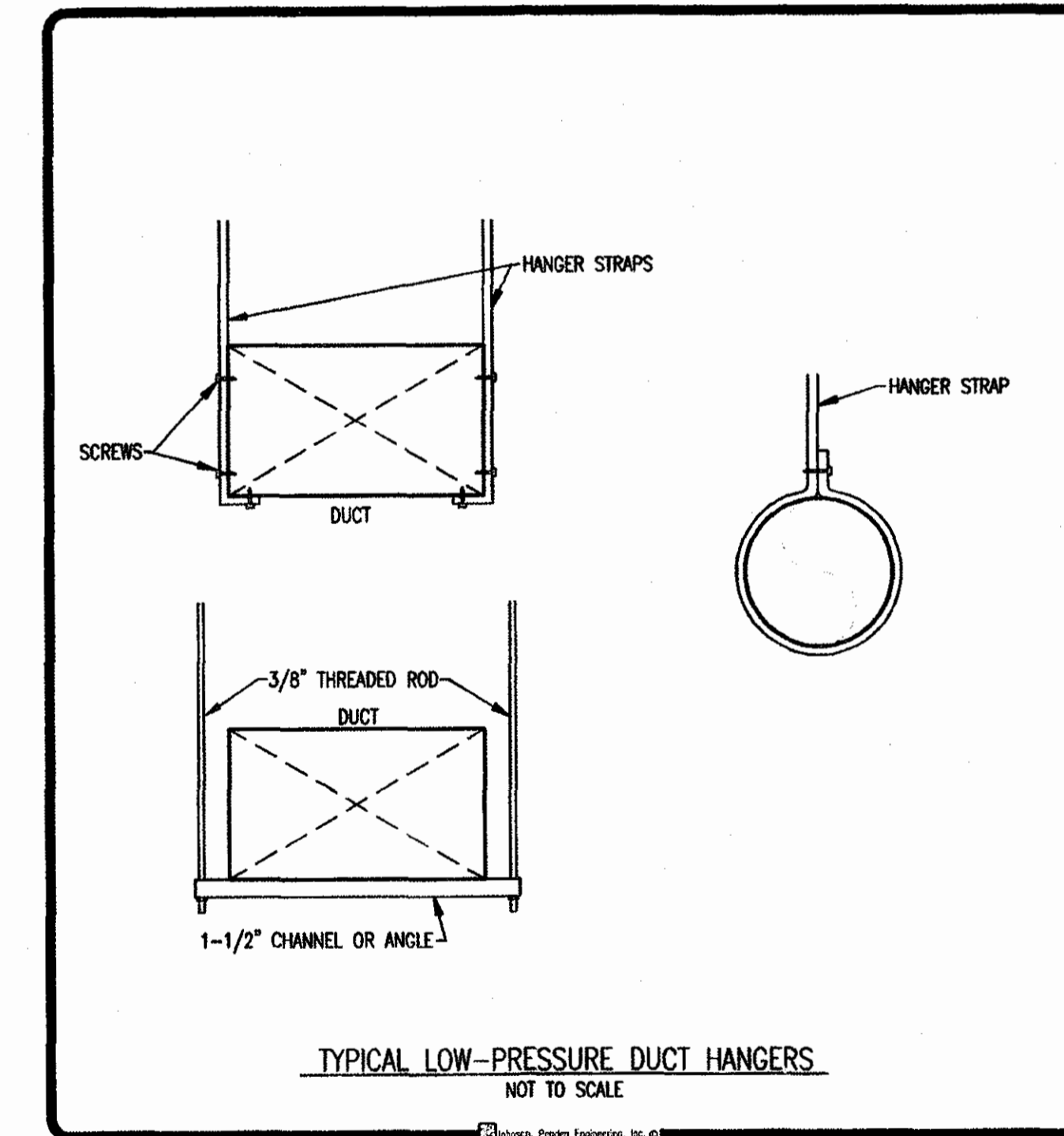
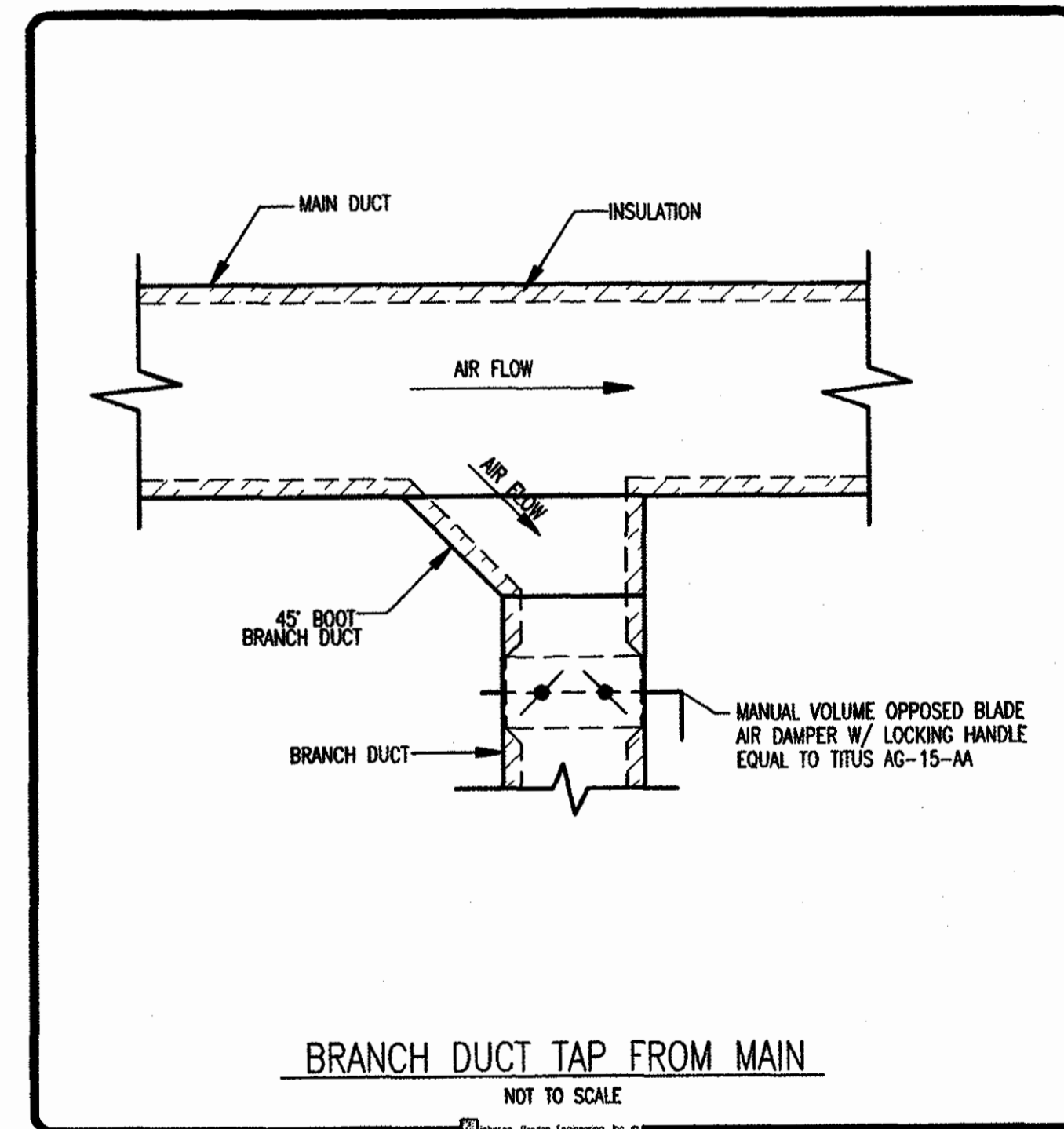
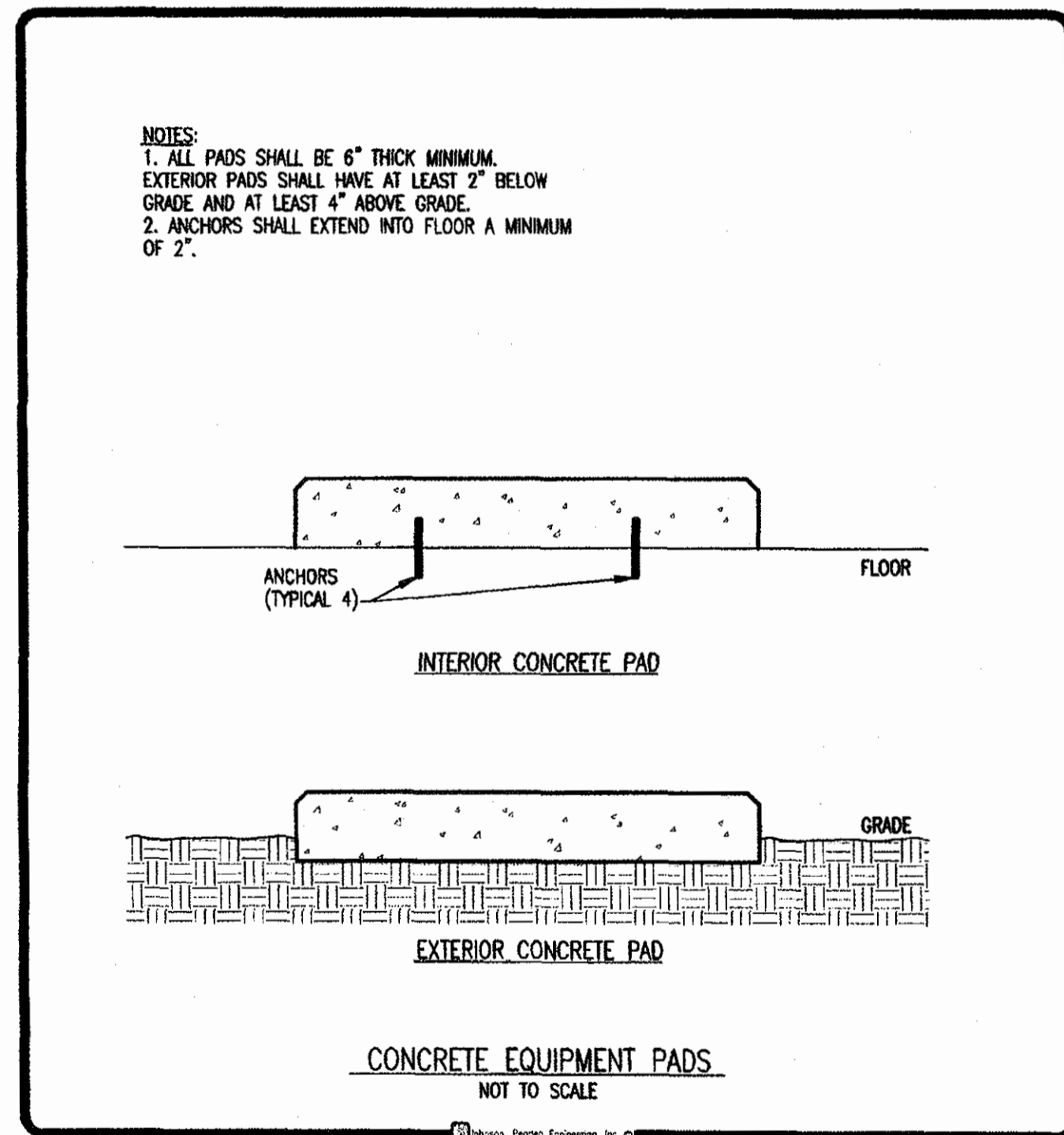
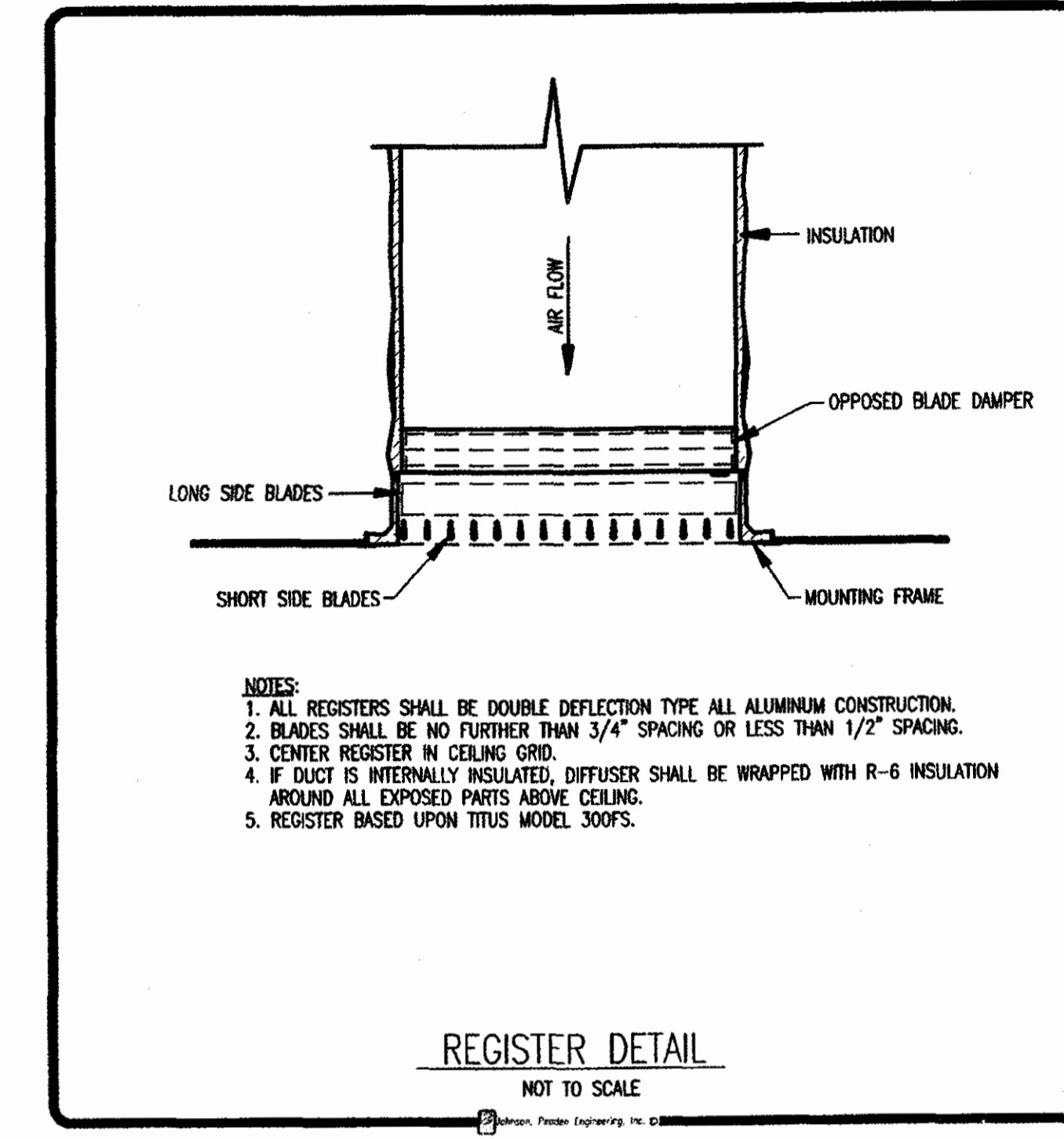
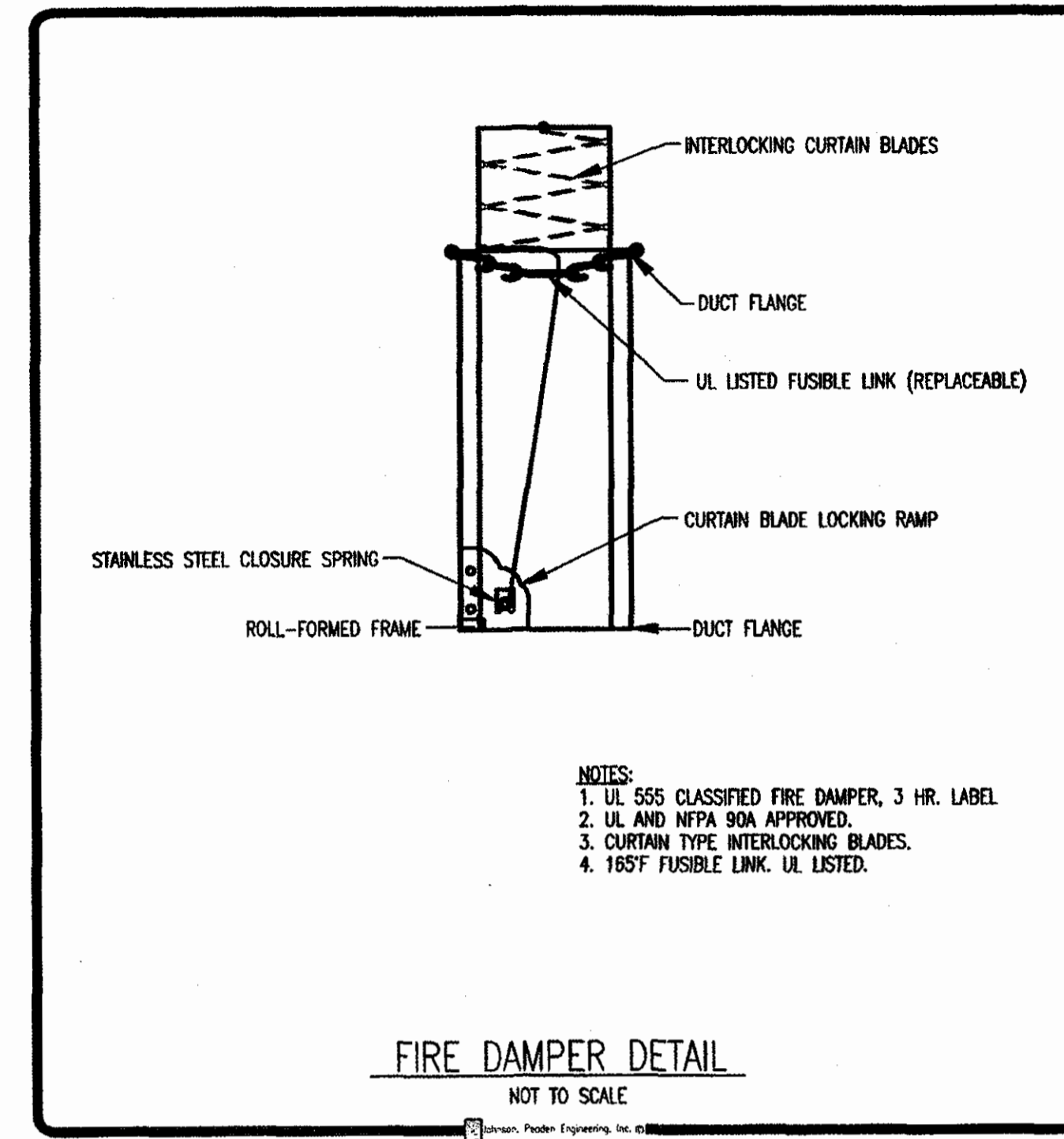
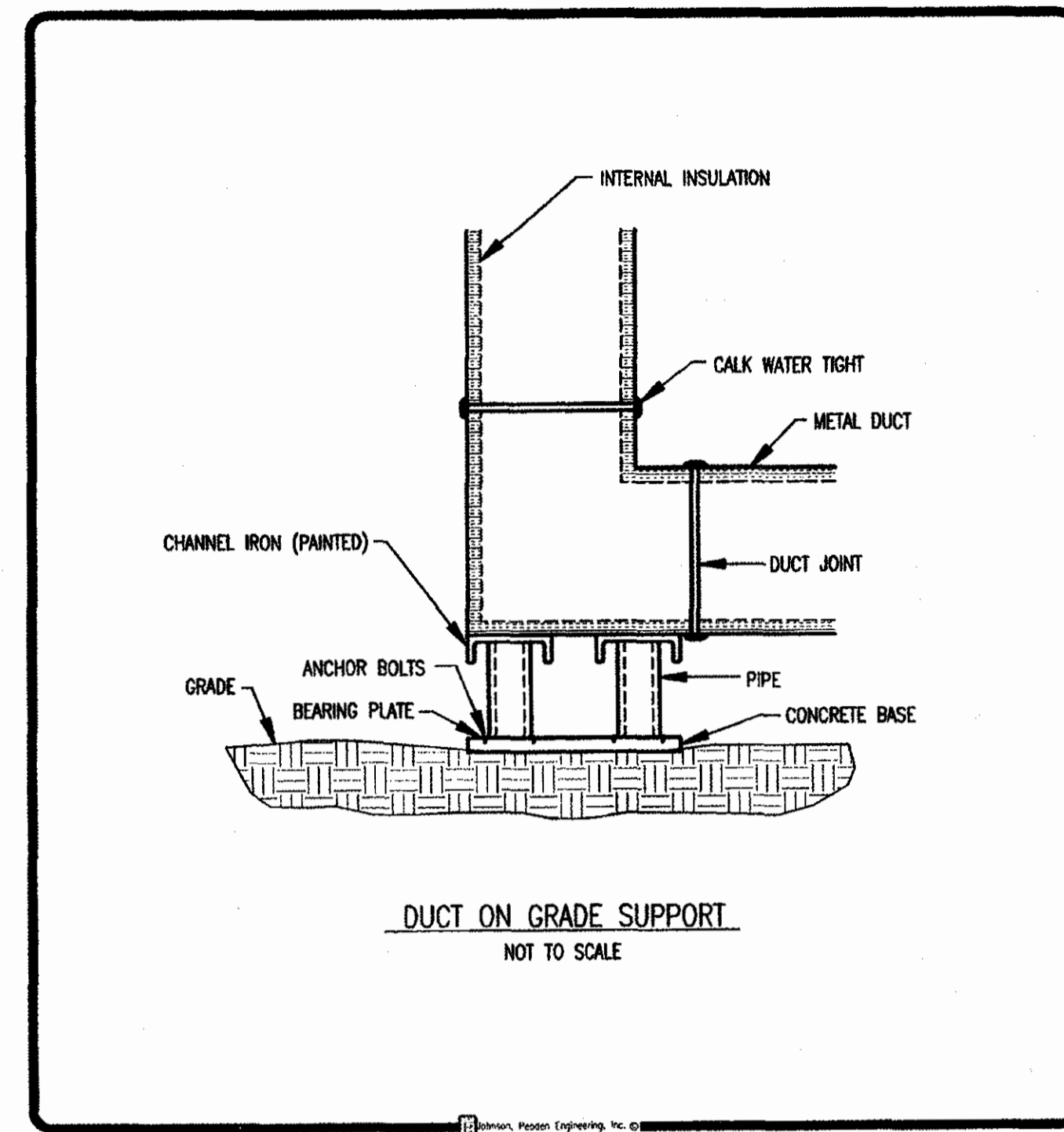
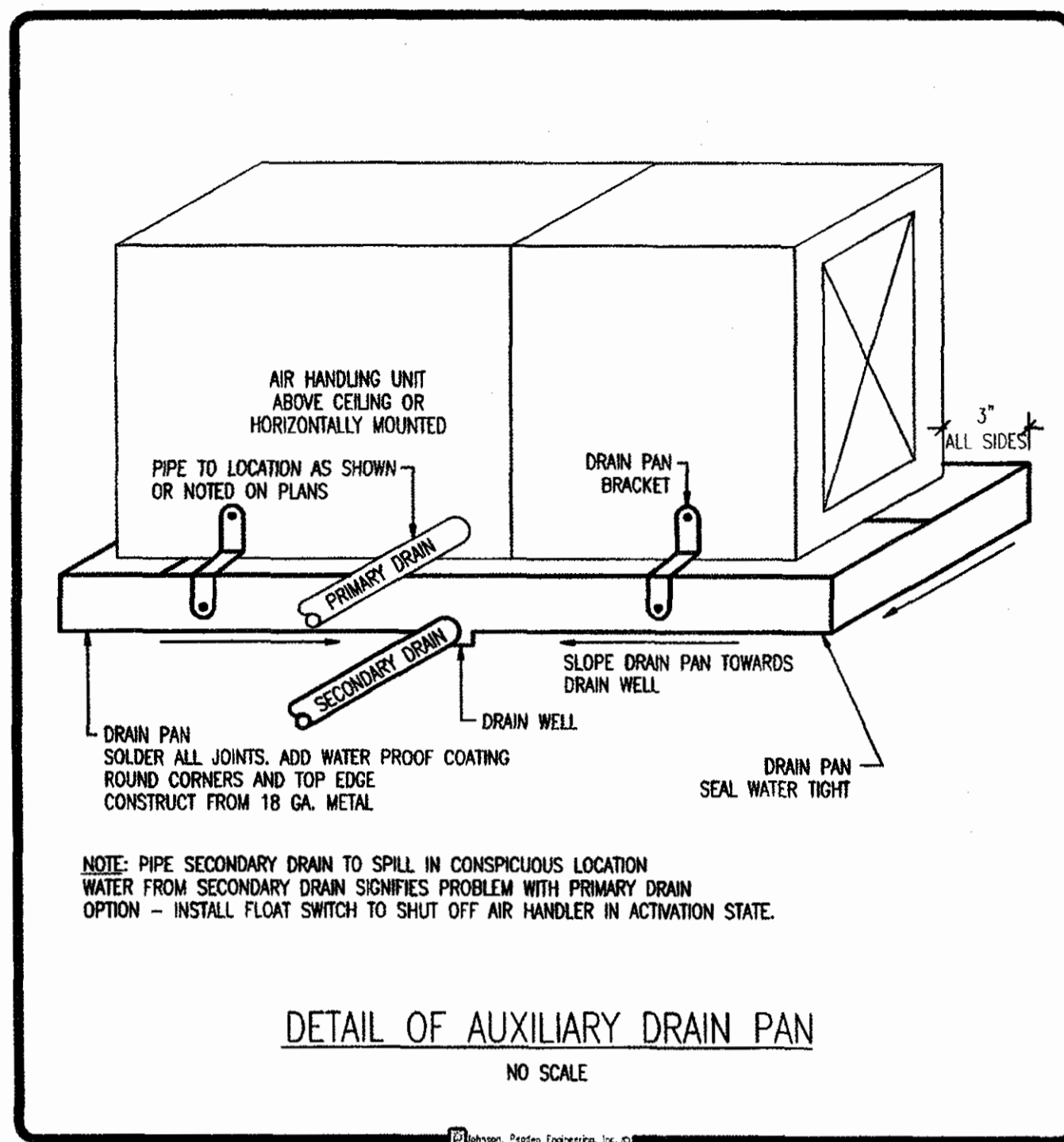
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Alabama  
Orange Beach,

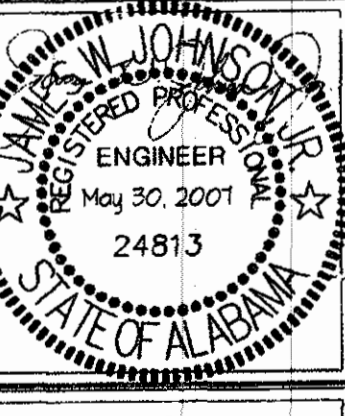
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DATA
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REVISIONS



FILE: F06016  
DATE: 3/23/07

**M-3.0**  
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ALL FIXTURES CONSIDERED EQUAL TO THE SPECIFIED FIXTURES SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER 10 DAYS PRIOR TO BID FOR APPROVAL

**LIGHTING FIXTURE SCHEDULE**

MARK	MANUFACTURER AND CATALOG No.	LAMPS		MOUNTING	REMARKS
		No.	TYPE		
FT2	COLUMBIA JTB24-2326-FSA12-EBB-120	2	F32 T8	CEILING RECESSED	2"x4" 2 LAMP STATIC LENSED TROFFER, A12 LENS, ELECTRONIC BALLAST, 120V
FT2E	COLUMBIA JTB24-2326-FSA12-EBB-120-EL61	2	F32 T8	CEILING RECESSED	2"x4" 2 LAMP STATIC LENSED TROFFER, A12 LENS, ELECTRONIC BALLAST, EMERGENCY UNIT BATTERY PACK, 120V
FT3	COLUMBIA JTB24-3326-FSA12-EBB-120	3	F32 T8	CEILING RECESSED	2"x4" 3 LAMP STATIC LENSED TROFFER, A12 LENS, ELECTRONIC BALLAST, 120V
FT3E	COLUMBIA JTB24-3326-FSA12-EBB-120-EL61	3	F32 T8	CEILING RECESSED	2"x4" 3 LAMP STATIC LENSED TROFFER, A12 LENS, ELECTRONIC BALLAST, EMERGENCY UNIT BATTERY PACK, 120V
FW2	COLUMBIA JAWW4-232-EB8120	2	F32 T8	CEILING SURFACE	1"x4" 2 LAMP FLOOR WRAP, ELECTRONIC BALLAST, 120V
FW2E	COLUMBIA JAWW4-232-EB8120-EL	2	F32 T8	CEILING SURFACE	1"x4" 2 LAMP FLOOR WRAP, ELECTRONIC BALLAST, W/ EMERG UNIT BATTERY PACK, 120V
PD	PRESCOLITE TBX-TZ08	1	F32 TBX	CEILING RECESSED	6" CAN FLOUR DOWN LIGHT W/ WHITE CONE REFLECTOR, ELECT BALLAST, 120V
PL	PRESCOLITE TBX-TZ08	1	F26 TBX	CEILING RECESSED	6" CAN FLOUR DOWN LIGHT W/ WHITE CONE REFLECTOR, ELECT BALLAST, 120V
X	PRESCOLITE NV3RENW-CVS		LED	WALL ABOVE DOOR	THERMOPLASTIC LED EXIT SIGN, WHITE HOUSING, RED LETTERS, SELF TEST DIAGNOSTICS, 120V
XC	PRESCOLITE NV3RENW-CVS		LED	CEILING SURFACE	THERMOPLASTIC LED EXIT SIGN, WHITE HOUSING, RED LETTERS, SELF TEST DIAGNOSTICS, 120V

120/208 VOLT 3Ø 4W 400 AMP MAIN BREAKER		CIRCUIT BREAKER PANEL SCHEDULE		FLUSH MOUNTED NEMA 1 ENCLOSURE		
PANEL MP						
PROVIDE TWO EQUAL SECTIONS						
CKT	LOAD DESCRIPTION	BREAKER POLE AMP	LOAD KVA	BREAKER AMP POLE	LOAD DESCRIPTION	CKT
1	LTS-GAME RM/STOR./COMP./TUT	1 20	1.4 .36	20 1	REC-COMPUTER/TUTORIAL 110	2
3	LTS-CORR/STOR./MULTI-PURP	1 20	.77 .36	20 1	REC-COMPUTER/TUTORIAL 110	4
5	LTS-LOBBY/LOUNGE/OFFICE/EXT.	1 20	1.19 .36	20 1	REC-COMPUTER/TUTORIAL 110	6
7	LTS-EXTERIOR	1 20	.31 .36	20 1	REC-COMPUTER/TUTORIAL 110	8
9	LTS-WOMEN/MEN/R.R./STORAGE	1 20	.74 .90	20 1	REC-COMP./CORR./EXTERIOR	10
11	AH-1	2 40	8.70 .9	40 2	REC-GAME ROOM 112	12
13	HP-1	2 35	3.47 1.0	35 2	REC-MULTI-PURPOSE 114	14
15	HP-2	2 35	3.47 1.0	35 2	DRINKING FOUNTAIN	16
17	AH-2	2 45	9.12 .36	45 2	REC-MEN/WOMEN/R.R.108/109	18
19	AH-3	2 45	9.12 .36	45 2	VENDING MACHINE	20
21	HP-3	2 50	5.08 1.4	50 2	VENDING MACHINE	22
23	HP-4	2 50	5.08 1.4	50 2	VENDING MACHINE	24
25	AH-4	2 40	8.70 .9	40 2	REC-LOUNGE 103/EXTERIOR	26
27	HP-5	2 40	8.70 .9	40 2	REC-LOBBY 101/EXTERIOR	28
29	HP-6	2 30	3.35 .72	30 2	REC-OFFICE 102	30
31	HP-7	2 30	3.35 1.0	30 2	DRINKING FOUNTAIN	32
33	AH-5	2 40	8.70 .36	40 2	REC-TBB	34
35	HP-8	2 40	8.70 23.44	90 3	OAU-1	36
37	HP-9	2 20	2.14 4.5	30 2	WATER HEATER	38
39	HP-10	2 20	2.14 4.5	30 2	WATER HEATER	40
41	SPARE	1 20		20 1	SPARE	42
43	SPARE	1 20		20 1	SPARE	44
45	SPARE	1 20		20 1	SPARE	46
47	SPARE	1 20		20 1	SPARE	48
49	SPARE	1 20		20 1	SPARE	50
51	SPACE	1 ---		---	SPACE	52
53	SPACE	1 ---		---	SPACE	54
55	SPACE	1 ---		---	SPACE	56
57	SPACE	1 ---		---	SPACE	58
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TOTAL CONNECTED LOAD: 94.65 KVA  
MINIMUM INTERRUPTING CAPACITY: 22,000 AMPS SYMMETRICAL

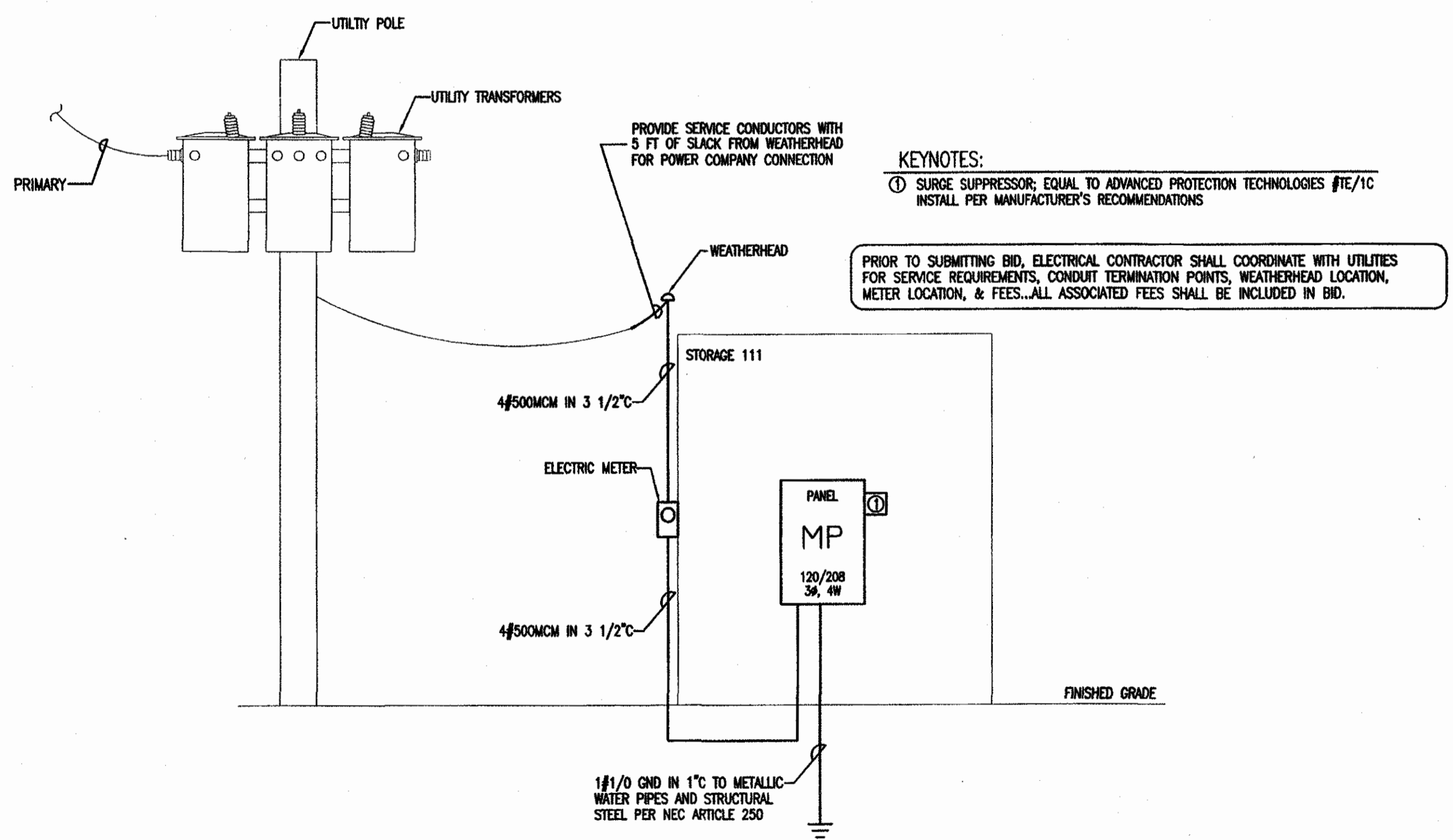
Ⓢ HACR RATED BREAKER; VERIFY SIZE REQUIRED FOR EQUIPMENT FURNISHED

**ELECTRICAL GENERAL NOTES**

- CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT SIZE AND LOCATION OF EQUIPMENT WHICH IS FURNISHED BY OTHERS AND CONNECTED BY ELECTRICAL.
- RECEPTACLES, SWITCHES AND COVERPLATES COLOR SHALL BE SELECTED BY THE ARCHITECT FROM STANDARD COLORS.
- LOCATION OF LIGHTING FIXTURES, DISCONNECT SWITCHES, ETC. FOR MECHANICAL EQUIPMENT/ROOM SHALL BE COORDINATED WITH FINAL MECHANICAL EQUIPMENT LOCATION TO PROVIDE NATIONAL ELECTRIC CODE REQUIRED ACCESS SPACE.
- FINAL CONNECTION TO ALL MOTORS SHALL BE WITH FLEXIBLE CONDUIT CONNECTION.
- ALL EXIT AND EMERGENCY FIXTURES SHALL BE CONNECTED TO LIGHT CIRCUIT AHEAD OF LOCAL SWITCH.
- ALL PANELBOARDS, BACKBOARDS, TERMINAL CABINETS, ETC SHALL HAVE CUSTOM ENGRAVED MICARTA NAMEPLATE AFFIXED IDENTIFYING SYSTEM.
- GENERAL CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY WORK, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. FAILURE TO DO SO INDICATES THAT THE CONTRACTOR ACCEPTS THE CONDITIONS AS THEY EXIST, AND SHALL PERFORM THE WORK REQUIRED AS SHOWN AND SPECIFIED.
- THE ELECTRICAL CONTRACTOR SHALL OBTAIN AND REVIEW THE MECHANICAL AND SPECIAL EQUIPMENT SUBMITTALS PRIOR TO SUBMITTING THE ELECTRICAL SUBMITTALS. ANY ELECTRICAL EQUIPMENT, CONDUIT, AND WIRE SIZE CHANGES RESULTING FROM THIS REVIEW SHALL ALSO BE SUBMITTED FOR APPROVAL.
- COMPLY WITH ALL LOCAL CODE, LAWS, AND ORDINANCES APPLICABLE TO ELECTRICAL WORK, THE STATE BUILDING CODE AND THE NATIONAL ELECTRIC CODE. OBTAIN ALL PERMITS REQUIRED BY LOCAL ORDINANCES.
- OBTAIN ARCHITECTS/ENGINEERS APPROVAL OF ALL LIGHT FIXTURES, SWITCHES, RECEPTACLES, PANELBOARDS, ETC. PRIOR TO PURCHASING.
- FURNISH ALL EQUIPMENT AND LABOR, PERFORM ALL LABOR WITH SUPERVISION, BEAR ALL EXPENSES, AS NECESSARY FOR THE SATISFACTORY COMPLETION OF ALL WORK READY FOR OPERATION.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL UTILITIES FOR ASSOCIATED FEES AND EXACT SERVICE ENTRANCE LOCATIONS. ALL FEES SHALL BE INCLUDED IN ELECTRICAL BID.
- THE ELECTRICAL WORK SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. ALL NOT SO INSTALLED SHALL BE REMOVED AND REPLACED AT NO COST TO THE OWNER.
- ALL WORK SHALL BE INSTALLED IN CONCEALED TYPE CONSTRUCTION. UNDERGROUND CONDUITS UP TO FIRST BOX IN CONCEALED CONSTRUCTION MAY BE SCH.40 PVC. EXTERIOR EXPOSED WORK SHALL BE I.M.C. BRANCH CIRCUIT CONDUIT RUN IN OPEN SPACES ABOVE CEILING OR IN WALLS MAY BE THINWALL (E.M.T.) CONDUIT 1/2" MIN. SIZE.
- ALL CONDUCTORS LESS THAN 100A. SHALL BE COPPER #12 & #10 SOLID, #8 AND LARGER STRANDED, #6 AND SMALLER TO BE TYPE TW, 600 VOLT INSULATION AND TYPE THW FOR #4 AND LARGER. ALUMINUM CONDUCTORS OF EQUAL AMPACITY WILL BE ALLOWED FOR PANEL FEEDS OVER 100A WHERE ALLOWED BY THE LOCAL JURISDICTION.
- PROVIDE GROUNDING PER NATIONAL ELECTRIC CODE.
- THE CONTRACTOR SHALL LEAVE THE ENTIRE ELECTRICAL SYSTEM INSTALLED IN PROPER WORKING ORDER, AND SHALL REPLACE WITHOUT ADDITIONAL COST, ALL WORK OR MATERIAL WHICH MAY DEVELOP DEFECTS, (ORDINARY WEAR AND TEAR OR DAMAGE RESULTING FROM IMPROPER HANDLING EXCEPTED) WITHIN A PERIOD OF ONE(1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER.
- EQUIPMENT GROUNDING CONDUCTOR SHALL BE PULLED IN ALL BRANCH CIRCUIT WIRING. CONDUIT GROUND SHALL NOT BE ACCEPTABLE.

**ELECTRICAL LEGEND**

- CEILING OUTLETS**
- "A" RECESSED FLUORESCENT FIXTURE MARK "A"
- "A" 4' FLUORESCENT STRIP FIXTURE MARK "A"
- JUNCTION BOX
- EXHAUST FAN
- WALL OUTLETS**
- DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, GFL, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE; PROVIDE WEATHERPROOF BOX FOR RECEPTACLE
- DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 6" ABOVE COUNTER UNLESS NOTED OTHERWISE
- DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, GFL, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 6" ABOVE COUNTER
- QUADRAPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, GFL, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, GFL, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 28" AFF TO C/L FOR DRINKING FOUNTAIN
- 250V RECEPTACLE; 4 WIRE; MT 14" AFF TO C/L; NEMA 10-5R; HUBBELL SERIES 9550
- JUNCTION BOX WITH BLANK SCREW COVER AND FLEXIBLE CONDUIT CONNECTION
- SURFACE MOUNTED JUNCTION BOX (SIZE ACCORDINGLY FOR EACH DEVICE)
- BATTERY OPERATED EMERGENCY LIGHTING FIXTURE
- SIDEWALL PHOTOCELL EQUAL TO TORK #2101 (120V)
- WALL MOUNTED EXIT LIGHT
- WALL SWITCHES (UNLESS OTHERWISE NOTED, MOUNT 48" A.F.F.)**
- S A.C. TYPE, SINGLE POLE, 20 AMP, 120/277 VOLT
- S3 A.C. TYPE, 3-WAY, 20 AMP, 120/277 VOLT
- BRANCH CIRCUITING**
- RUN CONCEALED IN CEILING OR WALLS
- HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2 #12, 1 #12 GROUND - 1/2" C. - 3 #12, 1 #12 GROUND - 1/2" C. - 4 #12, 1 #12 GROUND - 1/2" C. ETC. AS PER NEC. LETTERS AND NUMERALS INDICATE PANEL AND CIRCUIT NUMBER.
- SURFACE MOUNTED CONDUIT; RUN PARALLEL OR PERPENDICULAR TO BUILDING LINES
- TELEPHONE & TELEVISION**
- WALL OUTLET - 4-1/2" SQ X 2-1/2" DEEP BOX; INSTALL CAT 6 IN 3/4" CONDUIT TO ABOVE CEILING; FROM THIS POINT TO NEW TELEPHONE BACKBOARD, CABLES SHALL BE J-HOOKED WITH A MAXIMUM DISTANCE OF 5' BETWEEN HOOKS AND BUNDLED AT A SEPARATION OF NO GREATER THAN 4". PROVIDE RJ-45 COVERPLATE WITH TWO (2) DATA JACKS IN EACH; MOUNT 18" A.F.F. U.N.O.
- TBB** TELEPHONE BACKBOARD; SEE KEYNOTE #2 ON SHEET E-2.
- TELEVISION CABLE WALL OUTLET WITH COAXIAL SCREW JACK AND COVERPLATE; MOUNT PER OWNERS REQUIREMENTS; INSTALL RG-6 COAX BACK TO TBB.
- PANELS AND POWER**
- 120/208 VOLT PANELBOARD
- NON-FUSIBLE DISCONNECT SWITCH: XX/YY/ZZ WHERE X INDICATES AMPERAGE, Y INDICATES # OF POLES, AND Z INDICATES NEMA RATING
- MISCELLANEOUS**
- A.F.F. ABOVE FINISH FLOOR
- WP WEATHERPROOF
- U.N.O. UNLESS NOTED OTHERWISE



**POWER RISER DIAGRAM**  
NOT TO SCALE

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Orange Beach,

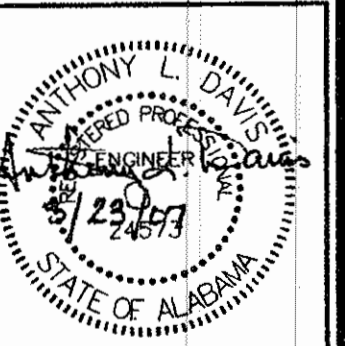
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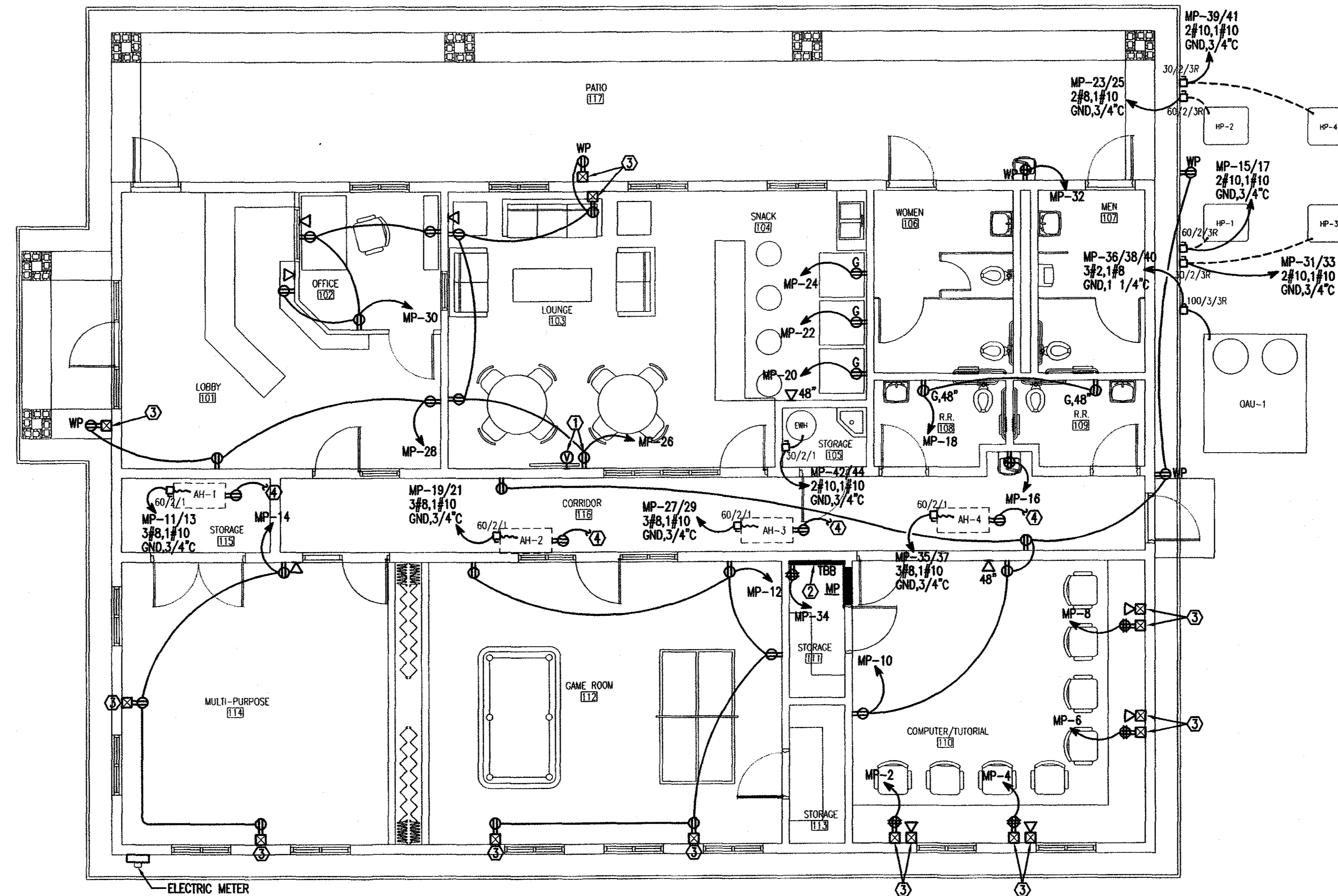
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**KEYNOTES:**

- ① COORDINATE EXACT LOCATION OF DEVICES WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.
- ② COMMUNICATIONS BACKBOARD, INSTALL BACKBOARD FROM WALL TO WALL @ 12" BELOW CEILING. BACKBOARD SHALL BE 3/4" EXTERIOR PLYWOOD PAINTED WITH TWO COATS OF FIRE RETARDANT PAINT. INSTALL ONE No. 6 COPPER GROUND CONDUCTOR IN 3/4" TO BUILDING GROUND, LEAVE 4 FT SLACK CONDUCTOR AT BACKBOARD.
- ③ INSTALL DEVICE(S) IN SURFACE-MOUNTED JUNCTION BOX. CIRCUIT(S) TO BE INSTALLED IN SURFACE-MOUNTED NONMETALLIC RACEWAY. RACEWAY TO BE INSTALLED PARALLEL/PERPENDICULAR TO BUILDING LINES. WHERE POSSIBLE, ELECTRICAL CONTRACTOR SHALL AVOID INSTALLING CONDUIT HORIZONTALLY ALONG WALLS. RACEWAY TO BE INSTALLED VERTICALLY TO ABOVE CEILING OR BELOW GRADE. ACCEPTED MANUFACTURERS FOR RACEWAY ARE WIREMOLD, PANDUIT, AND HUBBELL. (VERIFY COLOR OF RACEWAY WITH ARCHITECT/OWNER.)
- ④ RECEPTACLE IN ATTIC WITHIN 25' OF UNIT FOR MAINTAINANCE PURPOSES; CONNECT TO CLOSET 120V CIRCUIT.
- ⑤ RECEPTACLE WITHIN 25' OF UNIT FOR MAINTAINANCE PURPOSES; CONNECT TO CLOSET 120V CIRCUIT.



**POWER & SIGNAL PLAN**  
SCALE: 3/16" = 1'-0"

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Orange Beach,

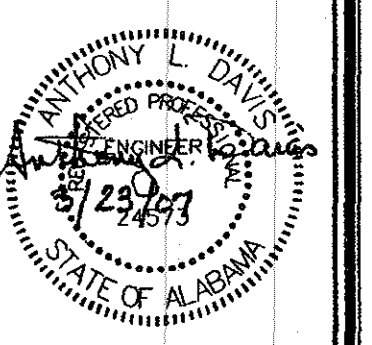
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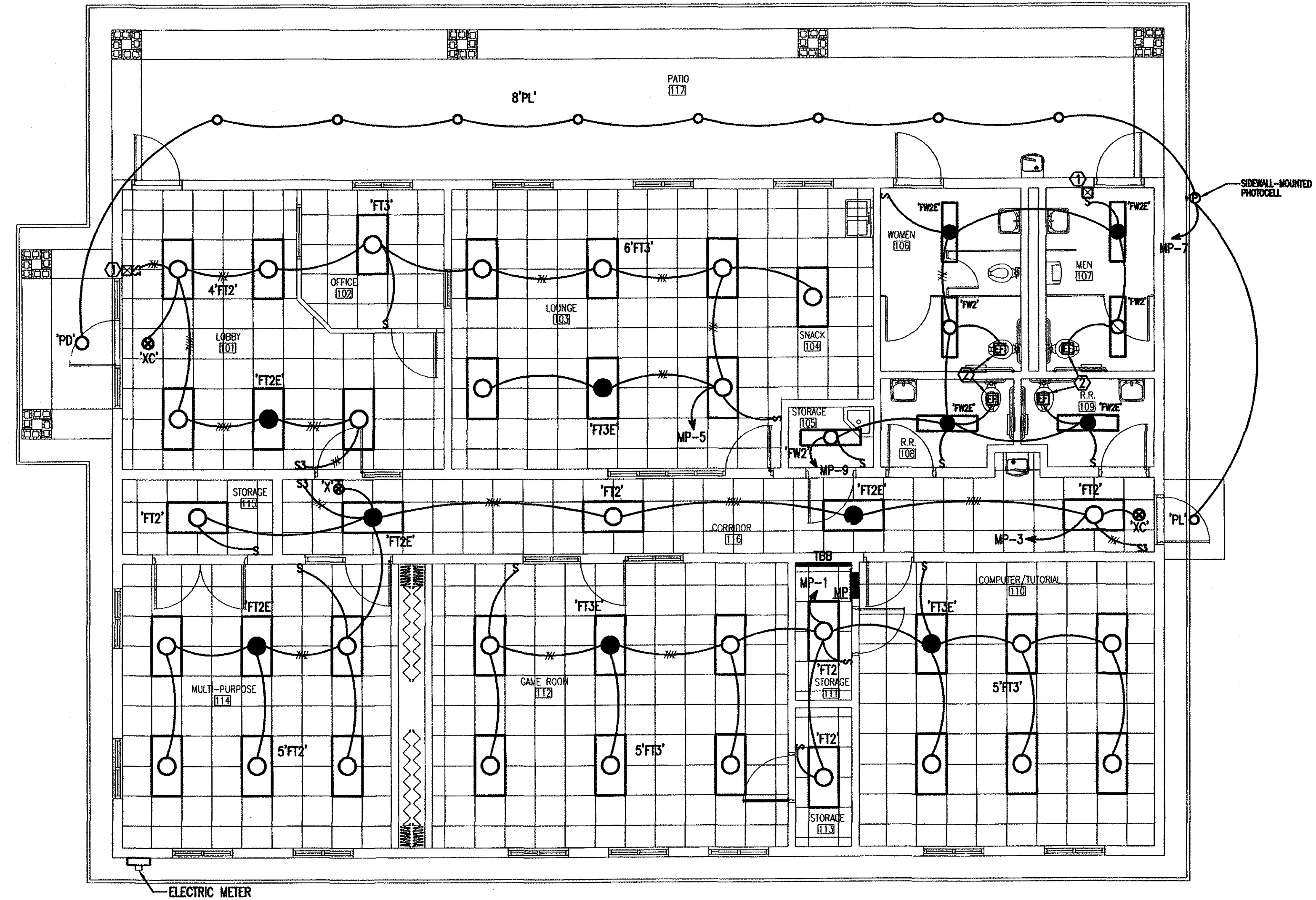



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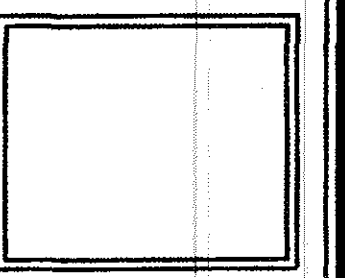
KEYNOTES:

- ① INSTALL DEVICE(S) IN SURFACE-MOUNTED JUNCTION BOX. CIRCUIT(S) TO BE INSTALLED IN SURFACE-MOUNTED NONMETALLIC RACEWAY. RACEWAY TO BE INSTALLED PARALLEL/PERPENDICULAR TO BUILDING LINES. WHERE POSSIBLE, ELECTRICAL CONTRACTOR SHALL AVOID INSTALLING CONDUIT HORIZONTALLY ALONG WALLS. RACEWAY TO BE INSTALLED VERTICALLY TO ABOVE CEILING OR BELOW GRADE. ACCEPTED MANUFACTURERS FOR RACEWAY ARE WIREMOLD, PANDUIT, AND HUBBELL. (VERIFY COLOR OF RACEWAY WITH ARCHITECT/OWNER.)
- ② INTERLOCK EXHAUST FAN CONTROLS WITH LIGHTS IN BOTH BATH RMS; EXHAUST; COORDINATE WITH MECHANICAL CONTRACTOR

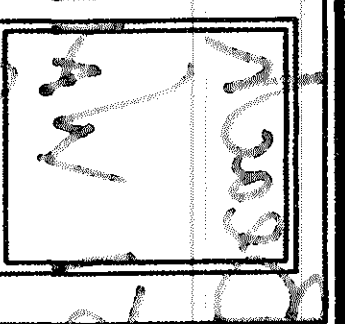


 LIGHTING PLAN  
SCALE: 3/16" = 1'-0"

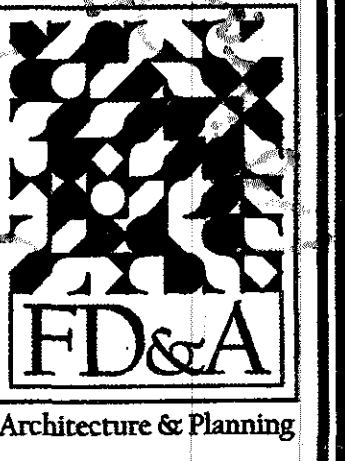
SEE PLANS. CIP OF OFFICE DRAWING



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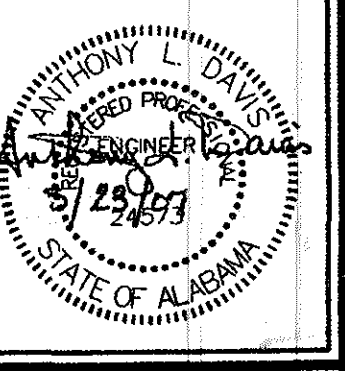


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E-3