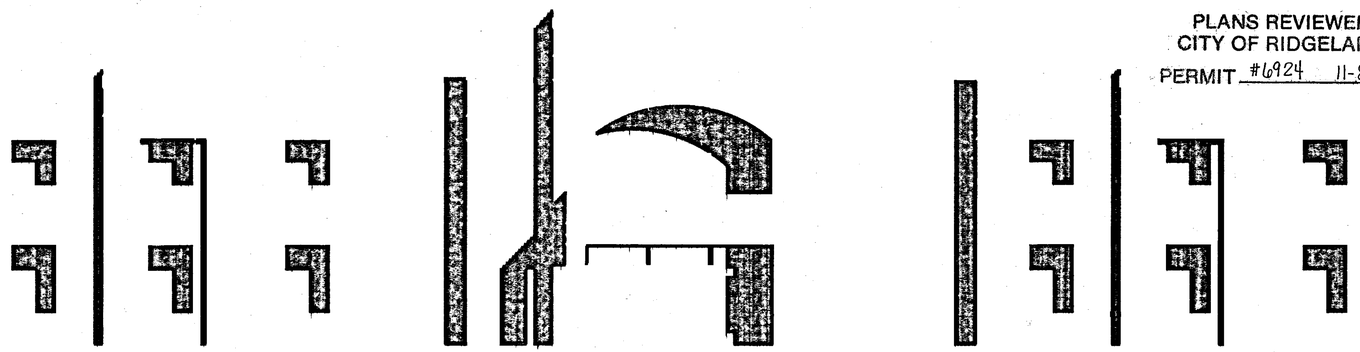
A New Building for

CHURCH OF THE HIGHLANDS

Ridgeland, Mississippi



PLANS REVIEWED
CITY OF RIDGELAND
PERMIT #6924 11-8-2002

OFFICE COPY
PLANS REVIEW
CD Director
PW Director
City Planner
Traffic Engineer
Drainage Engineer
Fire Official
Police Official

Site plans will not go forward to the Architectural Review Board or the Mayor and Board of Aldermen prior to the above review.

REGISTERED ARCHITECT
Daniel B. Wooldridge
2365
Jackson, MS
STATE OF MISSISSIPPI
9.27.02

RECEIVED
OCT - 2 2002

PLANS REVIEWED
CITY OF RIDGELAND
Project Name: CHURCH OF THE HIGHLANDS
Date: 10-10-02
Reviewer: Chris Toomey

WOOLDRIDGE & ASSOCIATES
105 CENTRAL AVENUE
RIDGELAND, MS 39157
601-856-6161 / 601-856-4266 FAX

September 23, 2002

#02-00083

Church of the Highlands

GRAPHIC SCALE

0 50 75 100

(IN FEET)

1 inch = 50 ft.

POINT OF COMMENCEMENT NORTHWEST CORNER N.E 1/4 OF THE SE 1/4 OF SECTION 28, T7N,R1E, MADISON COUNTY, MISS.

P.O.B. SET IRON PIN FOUND IRON PIN

ROW DB. 3341.5 PG. 730

WEST R.O.W. LINE HIGHLAND COLONY PARKWAY

EAST R.O.W. LINE HIGHLAND COLONY PARKWAY

100.0'

E. HIGHLAND COLONY PARKWAY (R.O.W. VARIES)

BACK OF CURB

CURB INLET

E. DITCH

EXISTING FENCE

SANITARY SEWER

EXISTING MANHOLE TOP= 331.98 INV.= 312.77

FOUND CONCRETE MONUMENT

WEST R.O.W. LINE INTERSTATE HWY. NO. 55

TOP BANK

E. CONCRETE DRAIN

CONCRETE HEADWALL

BOX CULVERT

Grassed Waterway (See Detail Sheet)

RIP-RAP Basin

Road Emergency FL(out)=338.1

BILLBOARD

FUTURE SANITARY SEWER

POWER POLE

Prayer Garden

F.F. 354.50

FOUND IRON PIN

FOUND CONCRETE MONUMENT

INTERSTATE HIGHWAY NO. 55

Utility Owners Must Be Consulted Prior To Excavating Within Utility Easement.

25' EASEMENT

SET IRON PIN

Curb Cut

12" BODDOCK

LEGEND

—329—	EXISTING CONTOUR
340	PROPOSED CONTOUR
========	PROPOSED STORM SEWER PIPE
+345.5	PROPOSED SPOT ELEVATION

GENERAL NOTES:

1.) BOUNDARY LINES AND EXISTING ELEVATIONS SHOWN ON THIS PLAN ARE BASED ON A BOUNDARY & TOPOGRAPHIC SURVEY DRAWING PERFORMED BY H. D. LANG & ASSOCIATES, JACKSON, MS DATED 1-4-99 AND REVISED 1-12-00.

2.) ELEVATION BENCHMARK LOCATION TO BE OBTAINED FROM H. D. LANG & ASSOCIATES.

3.) UTILITY LOCATIONS DEPICTED ARE BASED UPON TOPOGRAPHIC SURVEY BY H. D. LANG & ASSOCIATES. (SEE NOTE #1 ABOVE). MISSISSIPPI ONE CALL AND THE CITY OF RIDGELAND PUBLIC WORKS DEPARTMENT MUST BE CONTACTED PRIOR TO INITIATING EXCAVATION/GRADING OPERATIONS. ALL UNDERGROUND UTILITIES MAY NOT BE SHOWN ON THIS PLAN.

4.) EXCAVATION IN THE UTILITY EASEMENT AREA ALONG AND THE R.O.W. OF HIGHLAND COLONY PARKWAY SHALL NOT BE DONE WITHOUT THE PERMISSION OF THE CITY OF RIDGELAND AND THE OWNERS OF THE UNDERGROUND UTILITIES IN THIS AREA.

5.) ACCESS DRIVE, PARKING, AND BUILDING LAYOUT DESIGNED BY OTHERS. BUILDING FOUNDATION, PARKING LOT AND ACCESS DRIVE STRUCTURE DESIGNED BY OTHERS.

6.) THIS PLAN IS FOR SITE GRADING AND STORMWATER CONTROL ONLY. CES, INC. HAS NOT INVESTIGATED AND DOES NOT GUARANTEE THE SUITABILITY OF ON-SITE SOIL FOR EMBANKMENT CONSTRUCTION.

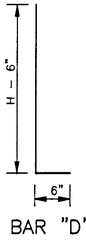
THOMAS MARTIN CROWDER
MISSISSIPPI PROFESSIONAL ENGINEER #13813

DATE 8-01-02

THOMAS MARTIN CROWDER No. 13813 REGISTERED PROFESSIONAL ENGINEER STATE OF MISSISSIPPI

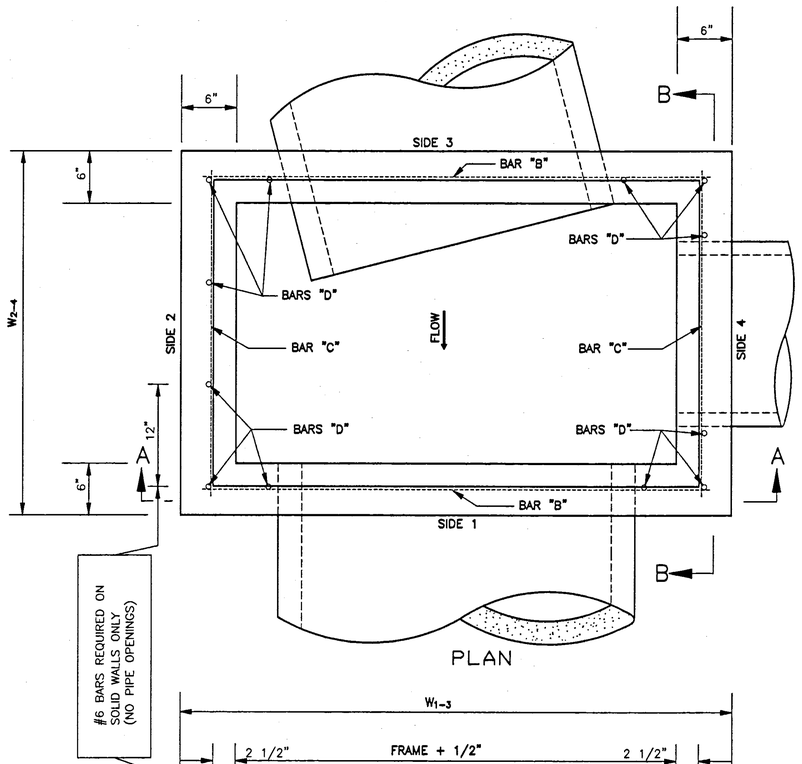
Call BEFORE YOU DIG 1-800-227-6477

CLIENT	**CHURCH OF THE HIGHLANDS** RIDGELAND, MISSISSIPPI	PROJECT	SITE GRADING PLAN **CHURCH OF THE HIGHLANDS** RIDGELAND, MISSISSIPPI
	CES ENGINEERING SURVEYING Crowder Engineering & Surveying, Inc. P.O. Box 1209 Ackerman, MS 39735-1209 662-285-2062	RECORD	PROJECT # 145 SHEET # 1 DWG. NO. new church site DATE: 8-01-01 DRAWN BY: DH REVISION: CHECKED BY: MC SCALE: 1" = 50'

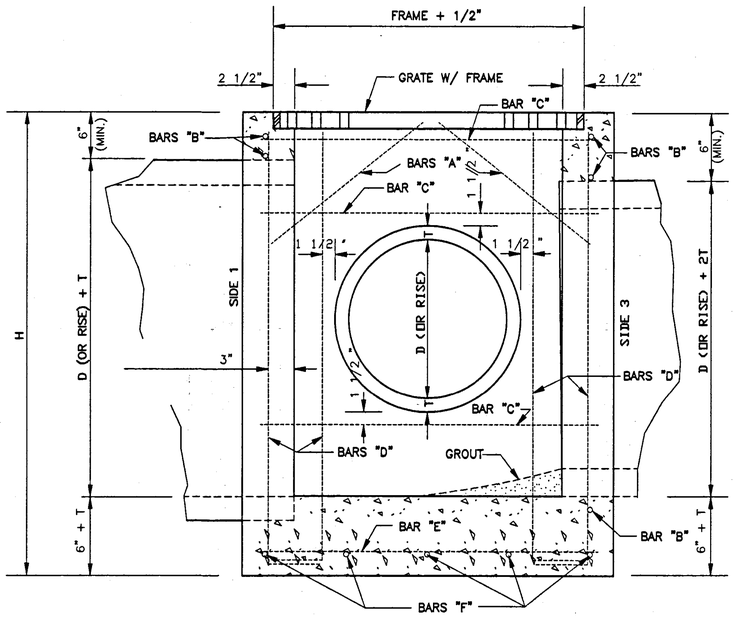


REINFORCING BAR LIST			
BAR	SIZE	NUMBER REQUIRED	LENGTH
"A"	#4	2 PER PIPE OPENING	$\sqrt{196" + (W^{**} + 2")^2}$
"B"	#6	2 + [2 PER OPENING SIDE 3] + [1 PER SIDE 1] + [12" O.C. FOR SOLID WALL]	$W_{1-3} - 4"$
"C"		2 + [2 PER OPENING] + [12" O.C. FOR SOLID WALL]	$W_{2-4} - 4"$
"D"		4 + [2 PER OPENING] + [12" O.C. FOR SOLID WALL]	H
"E"		$2\left[\left(\frac{W_{1-3}}{6"}\right)^{**} + 1\right]$	$W_{2-4} - 4"$
"F"		$2\left[\left(\frac{W_{2-4}}{6"}\right)^{**} + 1\right]$	$W_{1-3} - 4"$

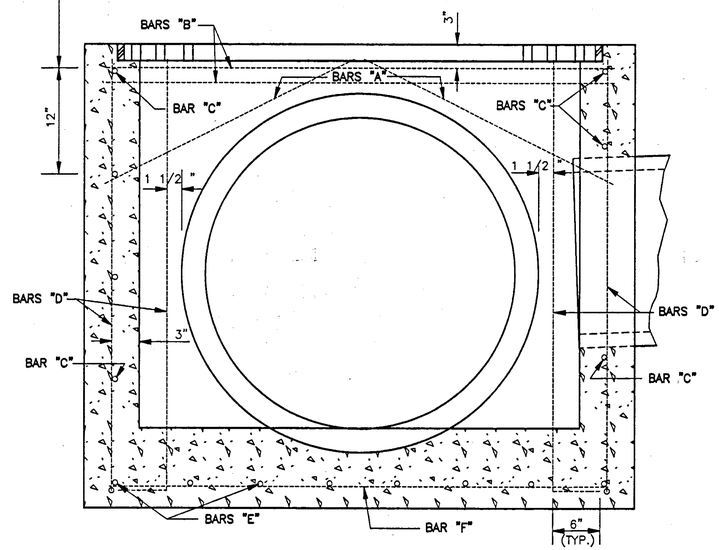
NOTE: VARIABLES AND DESIGNATIONS ARE AS FOLLOWS:
D (OR SPAN) = PIPE DIAMETER (OR SPAN)
W_{1-3} = WIDTH OF SIDE 1 & SIDE 3
W_{2-4} = WIDTH OF SIDE 2 & SIDE 4
W^* = W_{1-3} OR W_{2-4} (SIDE OF ENTERING PIPE)
$**$ = ROUND TO NEAREST WHOLE NUMBER



PLAN



SECTION B–B



SECTION A–A

GRATE INLET SCHEDULE		
GRATE	MODEL NUMBER	SIZE (FRAME)
G1	5115 type M2	28 1/4" x 28 1/4"
G2	5115 type M2	28 1/4" x 28 1/4"
G3	5115 type M2	28 1/4" x 28 1/4"
G4	5115 type M2	28 1/4" x 28 1/4"
G5	5115 type M2	28 1/4" x 28 1/4"
G6	5115 type M1	28 1/4" x 28 1/4"
G7	5115 type M1	28 1/4" x 28 1/4"
G8	5115 type M1	28 1/4" x 28 1/4"
G9	5115 type M1	28 1/4" x 28 1/4"
G10	5350 type M1	64 1/2" x 32 1/4"

NOTE: ALL GRATES LISTED ARE EAST JORDAN IRON WORKS OR APPROVED EQUAL.

GENERAL NOTES:

1. CONCRETE SHALL BE CLASS "B" AND REINFORCING STEEL SHALL BE DEFORMED BARS, ASTM A 615, GRADE 60 OR AASHTO M 31, GRADE 60.
2. IF PIPES ARE SKEWED MORE THAN 15° OR IF SKEWED PIPES PRODUCE CONFLICTS WITH ANOTHER OPENING, THE PIPE SHALL BE BROKEN BACK TO THE WALL OF THE JUNCTION BOX.

THOMAS MARTIN CROWDER — REGISTERED PROFESSIONAL ENGINEER — No. 13813 — STATE OF MISSISSIPPI
8-01-01
THOMAS MARTIN CROWDER
MISSISSIPPI PROFESSIONAL ENGINEER #13813
DATE

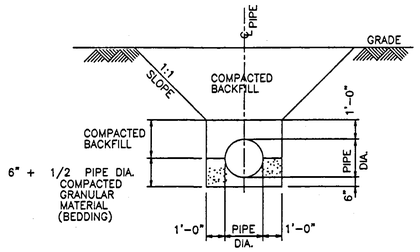
CLIENT
CHURCH OF THE HIGHLANDS
RIDGELAND, MISSISSIPPI

PROJECT
GRATE INLET DETAIL
CHURCH OF THE HIGHLANDS
RIDGELAND, MISSISSIPPI

CES ENGINEERING SURVEYING
Crowder Engineering & Surveying, Inc.
P.O. Box 1209
Ackerman, MS 39735-1209
662-285-2062

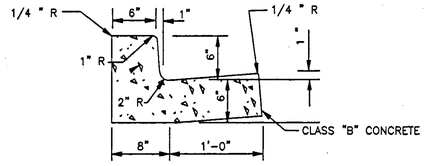
RECORD

PROJECT #	145	SHEET #	1
DWG. NO.	DETAILS	DATE:	07-23-01
DRAWN BY:	DH	REVISION:	0
CHECKED BY:	MC	SCALE:	N.T.S.

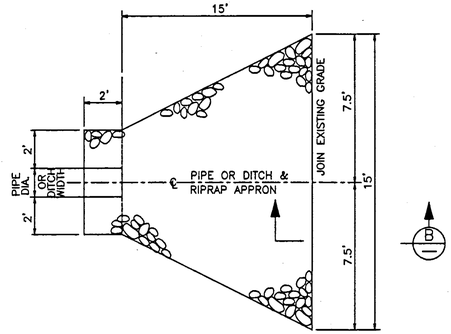


TYPICAL CULVERT & STORM DRAIN
INSTALLATION DETAIL

NTS

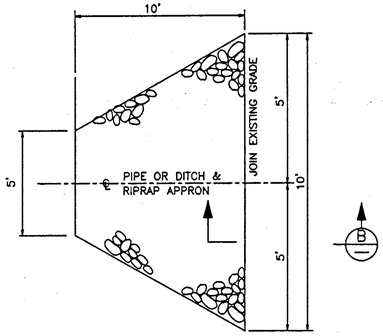


DETAIL OF COMBINATION
CURB & GUTTER



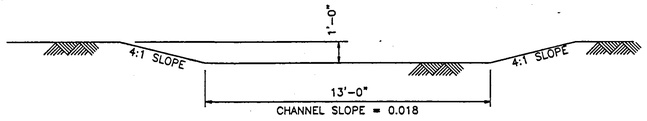
RIPRAP APRON DETAIL
(P3, P7, P12)

NTS

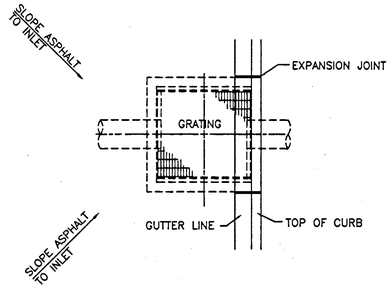


RIPRAP APRON DETAIL
(P13)

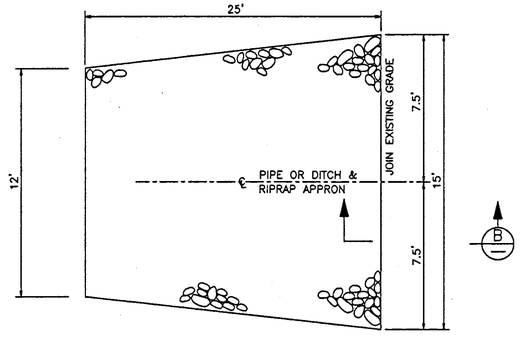
NTS



GRASSED WATERWAY

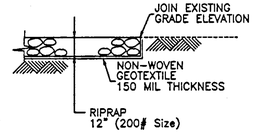


GRATE INLET AT CURB



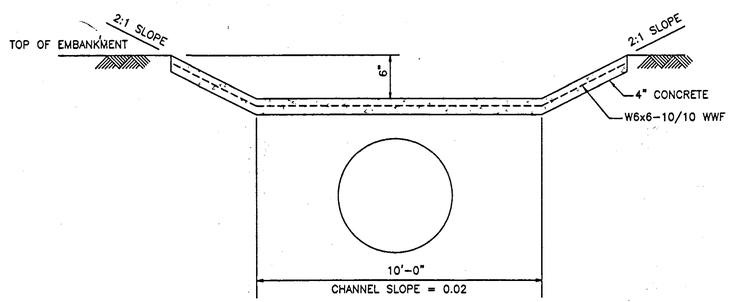
RIPRAP APRON DETAIL
(POND OUTFLOW)

NTS

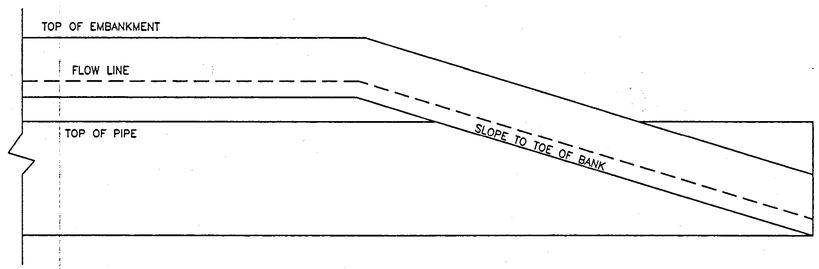


SECTION B
NTS

PIPE SCHEDULE				
PIPE	TYPE	SIZE	LENGTH	SLOPE (%)
P1	HDPE	18"	121.8'±	2.5
P2	HDPE	18"	37.5'±	2.6
P3	HDPE	24"	149.6'±	1.7
P4	HDPE	18"	176.7'±	1.4
P5	HDPE	18"	155.5'±	1.5
P6	HDPE	18"	176.7'±	2.0
P7	HDPE	18"	110.5'±	5.0
P8	HDPE	18"	176.5'±	1.5
P9	HDPE	18"	86.5'±	2.7
P10	HDPE	18"	75.3'±	1.6
P11	HDPE	24"	53.2'±	2.6
P12	HDPE	18"	163.0'±	2.2
P13	HDPE	36"	171.0'±	2.6
P14	RCP	24"	56.0'	3.3
P15	RCP	30"	32.0'	2.6



EMERGENCY SPILLWAY



EMERGENCY SPILLWAY
(SOUTH ELEVATION)

THOMAS MARTIN CROWDER
MISSISSIPPI PROFESSIONAL
ENGINEER #13813

DATE

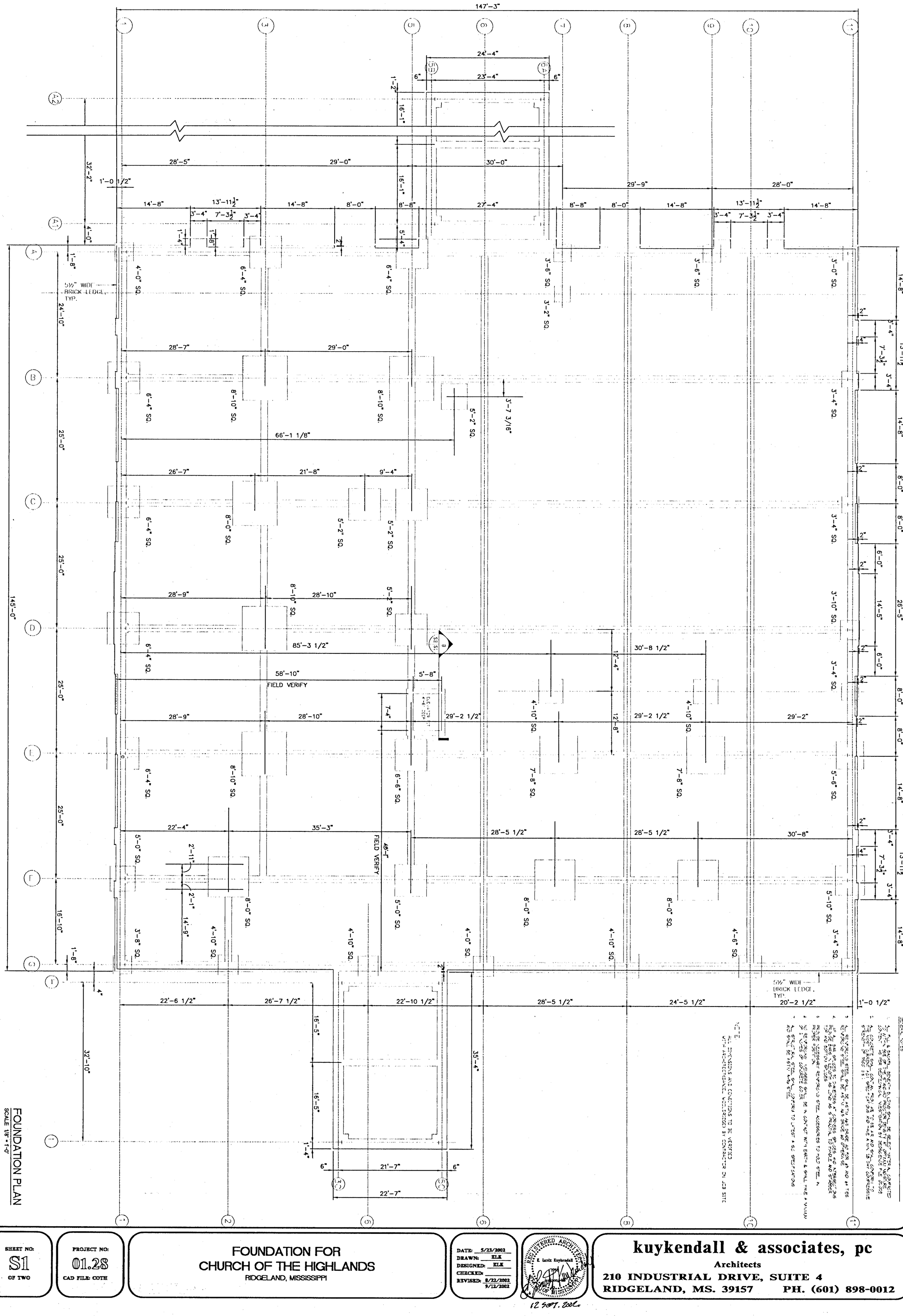
CLIENT
CHURCH OF THE HIGHLANDS
RIDGELAND, MISSISSIPPI

PROJECT
DRAINAGE DETAILS
CHURCH OF THE HIGHLANDS
RIDGELAND, MISSISSIPPI

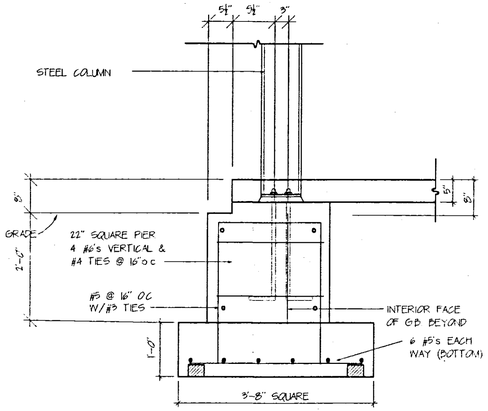
CES ENGINEERING SURVEYING
Crowder Engineering & Surveying, Inc.
P.O. Box 1209
Ackerman, MS 39735-1209
662-285-2062

RECORD

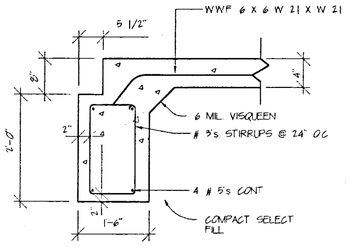
PROJECT #	145	SHEET #	1
DWG. NO.	DETAILS	DATE:	07-23-01
DRAWN BY:	DH	REVISION:	0
CHECKED BY:	MC	SCALE:	N.T.S.



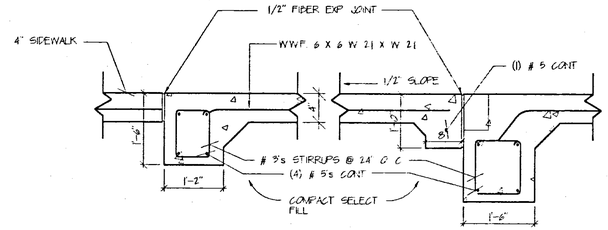
SHEET NO: S1 OF TWO	PROJECT NO: 01.28 CAD FILE: COTH	FOUNDATION FOR CHURCH OF THE HIGHLANDS RIDGELAND, MISSISSIPPI	DATE: 5/23/2002 DRAWN: ELK DESIGNED: ELK CHECKED: REVISED: 8/22/2002 9/12/2002	REGISTERED ARCHITECT E. Lantz Kuykendall STATE OF MISSISSIPPI 12 SEPT. 2002	kuykendall & associates, pc Architects 210 INDUSTRIAL DRIVE, SUITE 4 RIDGELAND, MS. 39157 PH. (601) 898-0012



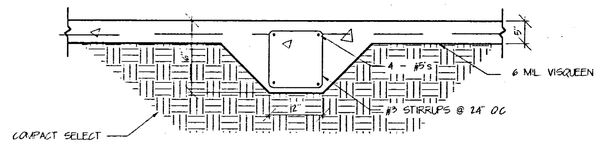
1 / S1 S2 COLUMN DETAIL
3/4" = 1'-0"



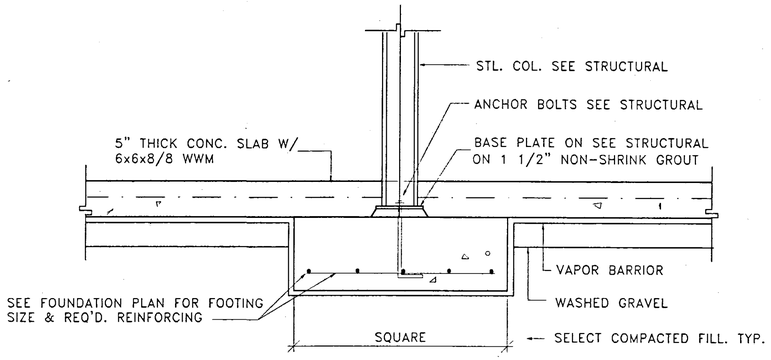
2 / S1 S2 FOOTING DETAIL
3/4" = 1'-0"



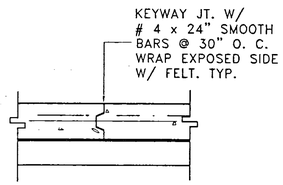
3 / S1 S2 FOOTING DETAIL
3/4" = 1'-0"



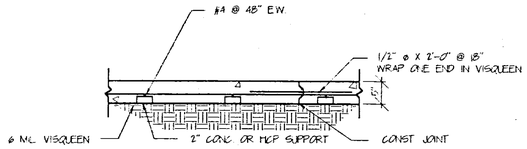
4 / S1 S2 TIE BEAM
3/4" = 1'-0"



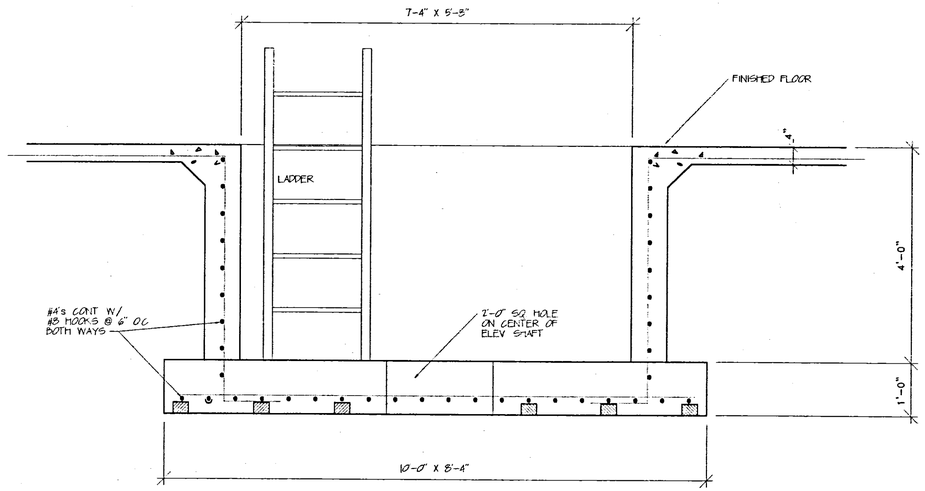
5 / S1 S2 SECTION
3/4"= 1'-0"



6 / S1 S2 TYP. CONTROL JT.
3/4"= 1'-0"



7 / S1 S1 TYPICAL SLAB SECTION
3/4" = 1'



1 / S1 S2 ELEVATOR PIT
3/4" = 1'-0"

FOOTING SCHEDULE		
SIZE	DEEP	REINF. (BOTTOM)
3'-0" SQ.	12"	5#4 EACH WAY
3'-4" SQ.	12"	5#4 EACH WAY
3'-8" SQ.	12"	6#5 EACH WAY
4'-0" SQ.	12"	6#5 EACH WAY
4'-4" SQ.	12"	7#5 EACH WAY
4'-8" SQ.	12"	7#6 EACH WAY
5'-0" SQ.	12"	7#6 EACH WAY
5'-4" SQ.	15"	7#7 EACH WAY
5'-8" SQ.	15"	7#7 EACH WAY
6'-0" SQ.	18"	7#7 EACH WAY
6'-4" SQ.	18"	9#7 EACH WAY
6'-8" SQ.	18"	9#7 EACH WAY
7'-0" SQ.	21"	10#7 EACH WAY
7'-4" SQ.	21"	10#7 EACH WAY
7'-8" SQ.	21"	11#7 EACH WAY
8'-0" SQ.	24"	13#7 EACH WAY
8'-4" SQ.	24"	13#7 EACH WAY
8'-8" SQ.	24"	13#8 EACH WAY
9'-0" SQ.	24"	13#8 EACH WAY
9'-4" SQ.	24"	14#8 EACH WAY
4'-0"x10'-0"	12"	#5@8"oc EA. WAY

kuykendall & associates, pc
Architects
210 INDUSTRIAL DRIVE, SUITE 4
RIDGELAND, MS. 39157 PH. (601) 898-0012

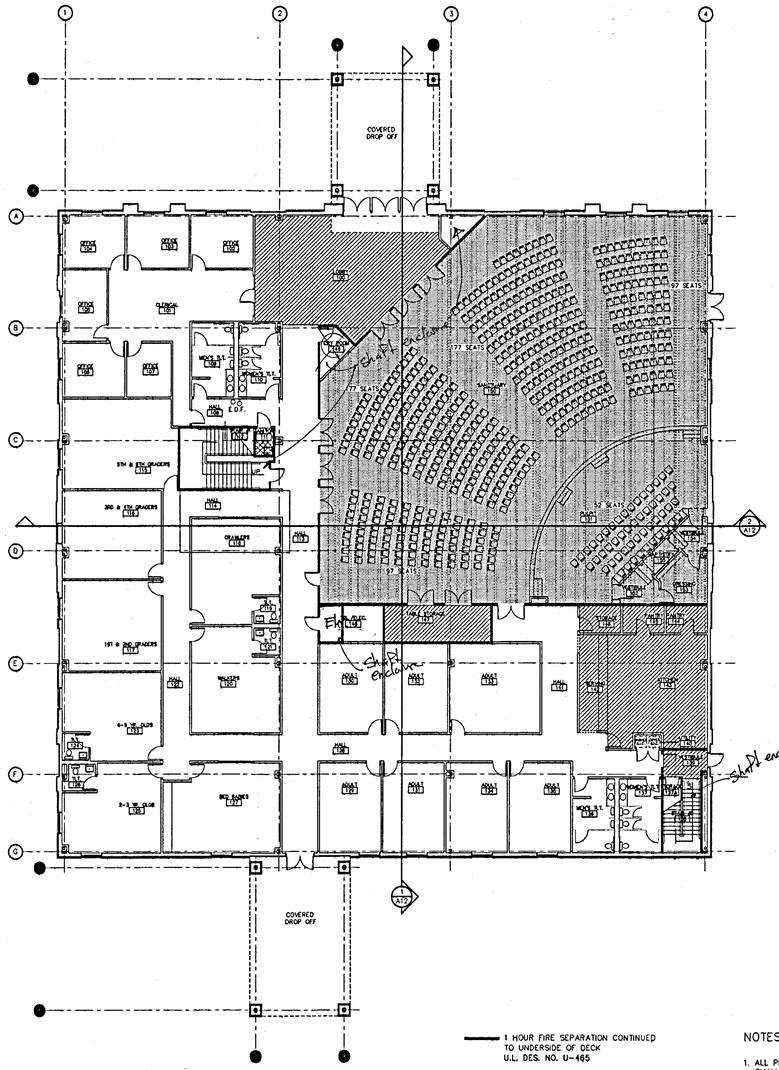
DATE 5/23/2002
DRAWN ELK
DESIGNED ELK
CHECKED
REVISED 6/27/2002

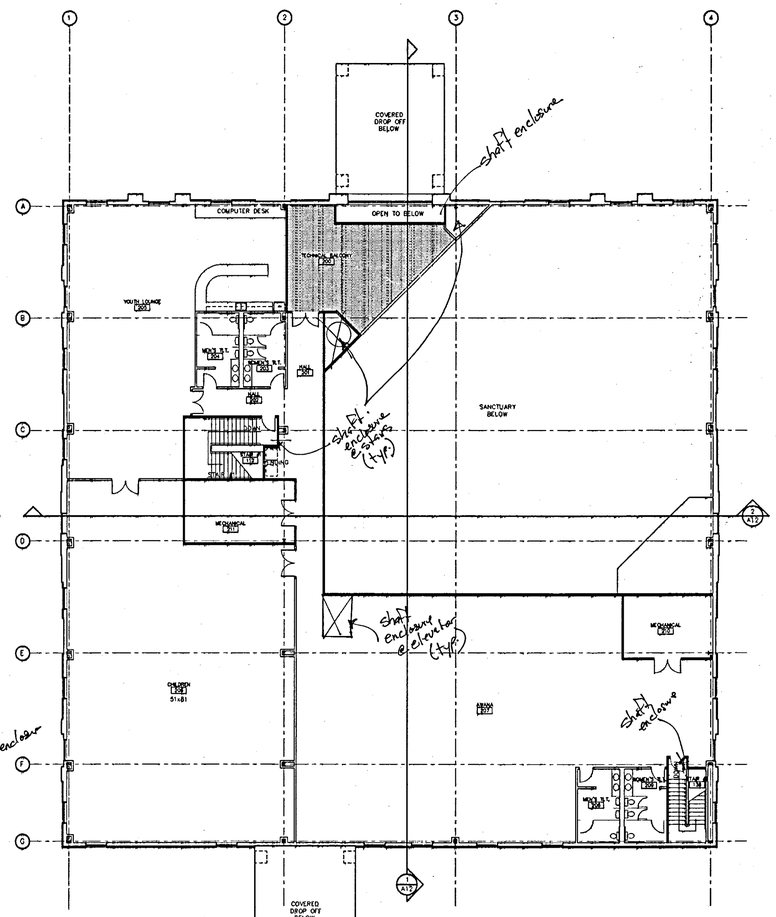
22 AUG, 2002

FOUNDATION FOR
CHURCH OF THE HIGHLANDS
RIDGELAND, MISSISSIPPI

PROJECT NO. 0128
CAD FILE: COTE

SHEET NO. S2 OF TWO





1 HOUR FIRE SEPARATION CONTINUED TO UNDERSIDE OF DECK
U.L. DES. NO. U-465

ASSEMBLY A3
7,040 S.F. SANCTUARY
834 S.F. BALCONY

EDUCATIONAL
FIRST FLOOR 14,310 S.F.
SECOND FLOOR 13,476 S.F.

1 HOUR RATED CEILING ASSEMBLY
U.L. DES. NO. A202

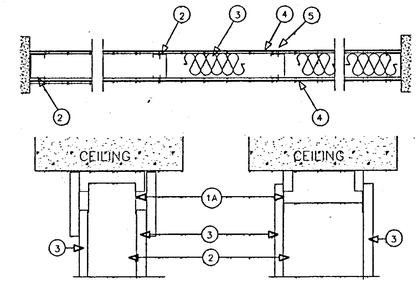
1½ HOUR RATED CEILING ASSEMBLY
U.L. DES. NO. G528

Construction Type 3B sprinkled

NOTES:

1. ALL PIPE PENETRATIONS OF 1 HR. FIRE SEPARATION SHALL CONFORM TO U.L. DES. NO. W-L-1039
2. ALL DUCT PENETRATIONS OF 1 HR. FIRE SEPARATION SHALL CONFORM TO U.L. DES. NO. W-L-7008
3. BATT INSULATION IN WALLS AND CEILINGS TO HAVE A FLAME SPREAD OF 25 OR LESS, AND A SMOKE DEVELOPMENT OF 25 OR LESS, TYPICAL.

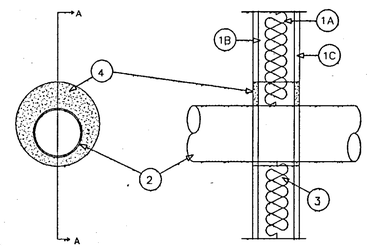
Design No. U465
Nonbearing Wall Rating – 1 HR.



1. Floor and Ceiling Runners – (not shown) – Channel shaped runners, 3– 5/8 in. wide (min), 1– 1/4 in. legs, formed from No. 25 MSG (min) galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
1A. As an alternate to Item 1 Ceiling Runner* – 25 MSG min galv steel width to accommodate stud, with 3 or 4 in. legs offset at midpoint 5/8 in. to accommodate wall cladding thickness. Attached to ceiling to with fasteners spaced 24 in. OC. The wall cladding shall overlap wallboard 1–1/4 in. min.
Fire Track Corp.
2. Steel Studs – Channel shaped 3–5/8 in. wide (min), 1–1/4 in. legs, 3/8 in. folded back returns, formed from No. 25 MSG (min) galv steel spaced 24 in. OC max.
3. Batts and Blankets* – (Optional) – Mineral wool or glass fiber batts partially or completely filling stud cavity.
See Batts and Blankets (BZJZ) category for names of Classified companies.
4. Wallboard, Gypsum* – 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S self–tapping steel screws spaced 8 in. OC along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of assembly. When attached to item 6 (furring channels), wallboard is screw attached to furring channels with 1 in. long, Type S steel screws spaced 12 in. OC.
Boral Gypsum Inc. – Type BG–C.
Canadian Gypsum Co., Ltd.– Types C, SCX, SHX, WRX.
Continental Gypsum Company – Type CG–C
Domtar Gypsum Inc. – Type S or C.
Eagle–Gypsum Products– Type EG–C.
Georgia Pacific Corp.,Gypsum Div. – Type GPFS–6 or GPSF–C.
National Gypsum Co., Charlotte, NC – Types FSK–G, FSW–G.
National Gypsum Co.,Riyadh, Saudi Arabia – Type FR or WR.
Pabco Gypsum Co. – Type PG–C.
Republic Gypsum Co. – Type RG–C.
Standard Gypsum Corp. – Type SG–C.
Temple–Inland Forest Products Corp. – Type TP–5.
(United States Gypsum Co. – Type AR, C, IP–X2, SCX,SHX, WRC or WRX.
Westroc Industries ltd. – Type Westroc Fireboard.
4A. Wallboard, Gypsum* – (As an alternate to Item 4) – Nom 3/4 in. thick, 4 ft wide, installed as described in Item 4 with screw length increased to 1–1/4 in.
United States Gypsum Co. – Type AR.
4B. Wallboard, Gypsum* – (As an alternate to Item 4 and 4A)– 5/8 in. thick installed as described in Item 4. Joint covering (Item 5) not required.
United States Gypsum Co. – Type WSX
5. Joint Tape and Compound – Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in wide, embedded in first layer of compound over all joints. As an alternate , nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer basecoard. Joints reinforced.
6. Furring Channel – (Optional – Not Shown) – Resilient 25 MSG galv steel furring channels spaced vertically max 24 in. OC, flange portion attached to each intersecting stud with 1/2 in. long Type S–12 pan–head steel screws.

*Bearing the UL Classification Marking

System No. W-L-1039
(Formerly System No. 605)
F Rating – 1 Hr.
T Rating – 0 and 1 Hr (See Item 2)

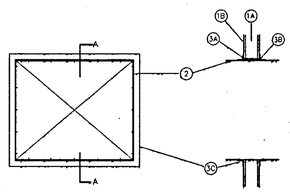


SECTION A–A

1. Wall Assembly – The fire rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
A. Studs – Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 x 4 in. lumber spaced 16 in. OC. Steel studs to be min 2–1/2 in. wide and spaced max 24 in. OC.
B. Batts and Blankets* – Nom 1–1/2 in. thick wool batts friction fitted to fill interior of stud cavities.
C. Wallboard, Gypsum* – The gypsum wallboard type, thickness, number of layers, and orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening is 7 in.
2. Through Penetrants – One metallic pipe, conduit, or tubing to be installed in either concentrically or eccentrically within the firestop system. Pipe, conduit, or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits, or tubing may be used:
A. Steel Pipe – Nom 4 in. diam (or smaller) Schedule 10 (or heavier) steel pipe. The annular space shall be min 1/4 to 1–5/8 in. When steel pipe is used T Rating is 0 hr.
B. Conduit – Nom 4 in. diam or smaller steel electrical metallic tubing or steel conduit. The annular space shall be min 1/4 to max 1–5/8 in. When conduit is 1/2 in. diam or less, T Rating is 1 hr.
C. Copper Tubing – Nom 4 in. diam (or smaller) Type L (or heavier) copper tubing. The annular space shall be min 1/4 to max 1–5/8 in. When copper tubing is used T Rating is 0 hr.
3. Forming Material* – Min 2–1/2 in. thickness of min 3.5 pcf mineral wool batt insulation firmly packed into opening as a permanent form. Forming material to be recessed from both surfaces of wall to accommodate the required thickness of fill material.
USG Interiors Inc. – Type SAF
4. Fill, Void, or Cavity Material* – Min 1/2 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. Dry mix material mixed at a rate of 2.1 parts dry mix to 1 part water by weight in accordance with the accompanying installation instructions.
United States Gypsum Co. – Type FC
4A. Fill, Void, or Cavity Material* – Not Shown– Two component fill material used as an alternate to Item 4. Min 1/2 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. Ready–mixed component mixed with accelerator component at a rate of 66 parts of ready–mixed component to 1 part of accelerator component by weight in accordance with the accompanying installation instructions.
United States Gypsum Co. – Type RFC

*Bearing the UL Classification Marking

System No. W-L-7008
F Rating – 1 & 2 Hr. (See Item 1)
T Rating – 0 Hr.



SECTION AA

1. WALL ASSEMBLY – THE 1 AND 2 HR. FIRE RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

A. STUDS – WALL FRAMING SHALL CONSIST OF STEEL CHANNEL STUDS TO BE MIN. 3½ IN. WIDE AND SPACED MAX. 24 IN. O.C. ADDITIONAL 3½ IN. WIDE STEEL STUDS SHALL BE USED TO COMPLETELY FRAME OPENING.
B. WALLBOARD, GYPSUM* – THICKNESS, TYPE, NUMBER OF LAYERS AND FASTENERS AS REQUIRED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAX. SIZE OF OPENING TO BE 1216 SQ. IN. WITH A MAX. DIMENSION OF 38 IN.

THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.

2. THROUGH–PENETRANT – NOM. 36 IN. BY 30 (OR SMALLER) NO. 24 GAUGE (OR HEAVIER) GALV. STEEL DUCT TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. AN ANNULAR SPACE OF MIN 0 IN. (POINT CONTACT) TO MAX 2 IN. IS REQUIRED WITHIN THE FIRESTOP SYSTEM. STEEL DUCT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.

3. FIRESTOP SYSTEM – THE DETAILS OF THE FIRESTOP SYSTEM SHALL BE AS FOLLOWS:

A. PACKING MATERIAL (OPTIONAL) – POLYETHYLENE BACKER ROD, MINERAL WOOL BATT INSULATION OR FIBERGLASS BATT INSULATION FRICTION–FIT INTO ANNULAR SPACE FOR 2 HR. RATED WALL ASSEMBLIES ONLY. PACKING MATERIAL TO BE RECESSED FROM BOTH SURFACES OF WALL TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL (ITEM 3B).

B. FILL, VOID OR CAVITY MATERIAL* – CAULK – MIN. ¼ IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL ASSEMBLY. AT THE POINT CONTACT LOCATION BETWEEN DUCT AND WALLBOARD, A MIN. ¼ IN. DIAM. BEAD OF SEALANT SHALL BE APPLIED AT THE WALLBOARD/DUCT INTERFACE ON BOTH SURFACES OF WALL ASSEMBLY.

MINNESOTA MINING & MFG. CO. – CP–25 WB+

C. RETAINING ANGLES – MIN. 16 GAUGE GALV. STEEL ANGLES SIZED TO LAP DUCT A MIN. OF 2 IN. AND LAP WALL SURFACES OF A MIN. OF 1 IN. ANGLES ATTACHED TO DUCT ON BOTH SIDES OF WALL WITH MIN. ½ IN. LONG, NO. 10 (OR LARGER) SHEET METAL SCREWS SPACED A MAX. OF 1 IN. FROM EACH END OF DUCT AND SPACED A MAX. OF 6 IN. O.C.

* BEARING THE UL CLASSIFICATION MARKING

REVISIONS	BY

WOOLDRIDGE & ASSOCIATES
105 CENTRAL AVENUE
RIDGELAND, MS 39157
601–856–8181 / 601–856–4266 FAX

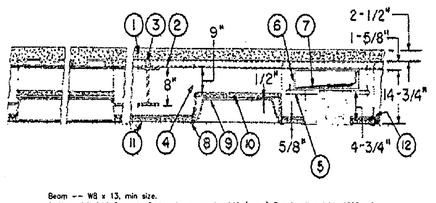
REGISTERED ARCHITECT
Daniel B. Wooldridge
2965
Jackson, MS
STATE OF MISSISSIPPI
9-27-02

A New Building for
CHURCH OF THE HIGHLANDS
Ridgeland, Mississippi

DRAWN	
CHECKED	
DATE	
SCALE	
JOB NO.	
SHEET	CR1
OF	SHEETS

Design No. A202

Restrained Assembly Rating -- 1, 1-1/2 or 2 Hr. (See Items 8 , 8A, 8E, 8F and 8G)
Unrestrained Assembly Rating -- 1, 1-1/2 or 2 Hr. (See Items 8 , 8A, 8E, 8F and 8G)
Unrestrained Beam Rating -- 1, 1-1/2 or 2 Hr. (See Items 8 , 8A, 8E, 8F and 8G)



Beam -- W8 x 13, min size.
1. Normal Weight Concrete Carbonate aggregate, 149 (+or-) 3 pcf unit weight, 4000 psi compressive strength.
2. Steel Floor and Form Units* Noncomposite 1-1/2 or 3 in. deep galv cellular units, 24 in. wide, 16/16 to 20/20 MSG. Welded to supports not over 12 in OC. Adjacent units button-punched or welded together 36 in. O.C. o| side joints.
WHEELING CORRUGATING CO, DIV OF
WHEELING-PITTSBURGH STEEL CORP -- Types C15LF, C33LF.

Alternate Construction Composite units of the same type listed above may be used provided loading is calculated on the basis of noncomposite design.
3. Pressure Sensitive Tape Cloth tape, 2 in. wide, applied over butted ends of steel floor units.
4. Hanger Wire No. 12 SWG galv steel pigtailed through steel floor units or attached to integral hanger tabs of steel floor units. Hanger wires spaced 48 in. O.C. max along main runners. One hanger wire to occur at all four corners of light fixtures, at the midspan of cross tees adjacent to light fixtures and air duct outlets, at midspan of cross tees greater than 4 ft up to and including 5 ft long, at center of 4 ft cross tees when nom 48 by 48 in. panels are used and adjacent to main runner splices.
5. Cold Rolled Channels No. 16 MSG cold-rolled steel, 1 1/2 in. deep channels placed under air duct and supported by hanger wires at each end, spaced not over 48 in. O.C., and at air outlets to support the air ducts.
6. Air Duct No. 22 MSG min galv steel. Total area of duct openings not to exceed 576 sq in. per each 100 sq ft of ceiling area. Area of individual duct opening not to exceed 576 sq in. Max dimension of opening 30 in.
7. Damper No. 18 MSG, galv steel. Protected on both surfaces with 1/16 in. thick asbestos paper and held open with a Fusible Link (Bearing the UL Listing Mark). Damper to overlap duct outlet 1 in. min.
In lieu of the damper described above, Duct Outlet Protection System A or B, as described in the Design Information Section may be used with steel ducts.

8. Steel Framing Members* Main runners and cross tees in combinations listed below:
A. Main runners nom 12 ft long, spaced 48 in. OC. Cross tees nom 4 ft long installed perpendicular to main runners and spaced 24 in. OC. Cross tees nom 2 ft long installed perpendicular to 4 ft cross tees midway between main runners, spaced 48 in. OC. -- For 24 by 24 or 48 in. lay-in panels
ARMSTRONG WORLD INDUSTRIES INC -- Types AFG, AFG-A, AFG-MX . Type GLBP (consisting of main runners, 4 ft cross tees and steel straps) for use with 24 by 48 in. Type P or PC lay-in panels. When Type AFG-MX steel framing members are used with 24 by 48 in. panels, the assembly and beam ratings are 1 hr. When Type AFG-MX steel framing members are used with 24 by 24 in. panels, the assembly and beam ratings are 2 hr .
BAILEY METAL PRODUCTS LTD -- Type BEF .
BPB AMERICA INC
BPB CELOTEX -- Types PAC, PCH, PCS
CGC INTERIORS, DIV OF
CGC INC -- Types DXL, DXLA, DXLZ, DXLZA, SDXL, SDXLA, ZXLA
CHICAGO METALLIC CORP -- Types 250, 860, 1250, 1260, 1850, 1880.
USG INTERIORS INC -- Types DXL, DXLA, DXLZ, DXLZA, SDXL, SDXLA, ZXLA.

B. Main runners nom 12 ft long, spaced 60 in. OC. Cross tees nom 5 ft long installed perpendicular to main runners and spaced 24, 30 or 36 in. OC. Nom 2 ft long cross tees are used to support one end of a 2 by 4 ft light fixture in a 24 by 60 in. module; a field-cut nom 1 by 2 ft lay-in panel bearing a min of 3/8 in. on suspension members, fills in the remainder of such modules. -- For 24, 30 or 36 by 60 in. lay-in panels.
ARMSTRONG WORLD INDUSTRIES INC -- Types AFG, AFG-A .
CHICAGO METALLIC CORP -- Types 250, 1250, 1850.

C. Main runners nom 12 ft long, spaced 48 in. OC. Cross tees nom 4 ft long installed perpendicular to main runners and spaced 48 in. OC -- For 48 by 48 in. lay-in panels.
ARMSTRONG WORLD INDUSTRIES INC -- Types AFG, AFG-A .
BPB AMERICA INC
BPB CELOTEX -- Types PCH, PCS
CHICAGO METALLIC CORP -- Types 250, 1250, 1850.

D. Main runners nom 12 ft long, spaced 30 in. OC. Cross tees nom 2 1/2 ft long installed perpendicular to main runners and spaced 30 in. OC. As an alternate, main runners may be spaced 60 in. OC with nom 5 ft long cross tees spaced 30 in. OC perpendicular to main runners and nom 30 in. long cross tees installed midway between main runners. -- For 30 by 30 in. lay-in panels.
CHICAGO METALLIC CORP -- Types 250, 1250, 1850.

E. Main runners nom 12 ft long, spaced 36 in. OC. Cross tees nom 3 ft long installed perpendicular to main runners and spaced 24 or 36 in. OC -- For 24 or 36 by 36 in. lay-in panels.
ARMSTRONG WORLD INDUSTRIES INC -- Types AFG, AFG-A .
CHICAGO METALLIC CORP -- Types 250, 1250, 1850.

F. Main runners nom 10 ft long, spaced 60 in. OC. Cross tees nom 5 ft long installed perpendicular to main runners and spaced 20 in. OC -- For 20 by 60 in. lay-in panels.
CHICAGO METALLIC CORP -- Types 250, 1250, 1850.

8A. Steel Framing Members* For use with metric size panels described under Item 11. Main runners nom 3600 mm long spaced 1200 mm OC. Cross tees nom 1200 mm long installed perpendicular to main runners and spaced 600 mm OC. Cross tees nom 600 mm long installed perpendicular to 1200 mm cross tees (midway between main runners) spaced 1200 mm OC. For 600 by 600 or 1200 mm lay-in panels.
CGC INTERIORS, DIV OF
CGC INC -- Types DXL, DXLZ, SDXL,
USG INTERIORS INC -- Types DXL, DXLZ, SDXL.

8B. Steel Framing Members* -- Metal pans (Not shown) (Optional) -- Channel-shaped metal pans in various colors and finishes, installed perpendicular to cross tees or main runners and spaced 4 or 6 in. OC. Flange edges of metal pans engage and interlock with the vertical tabs of the corresponding grid adapters, with tabs 4 or 6 in. OC. (See Item 8C). End laps of the metal pans shall occur adjacent to main runners or cross tees. Each metal pan shall be supported by at least two main runners or cross tees.
CHICAGO METALLIC CORP -- Type 1650.

8C. Steel Framing Members* -- Grid adapter (Not shown) (Optional) -- For use with Type 1650 metal pans (See Item 8B). Angle shaped adapter with a looped return flange. Installed parallel with cross tees or main runners by engaging return flange of adapter with the flange of the cross tee or main runner. The 48 or 24 in. long adapters are intended for use with cross tees or main runners, respectively.
CHICAGO METALLIC CORP -- Type 1650.

8D. Steel Framing Members* -- Filler strips (Not shown) (Optional) -- For use with Type 1650 metal pans. Filler strips are 0.018 to 0.024 in. thick, steel or aluminum, 13/32 or 5/8 in. deep by 3/4 in. wide, placed between the metal pans.
CHICAGO METALLIC CORP -- Type 1650.

8E. Steel Framing Members* 9/16 in. wide narrow flange grid may be used as an alternate to 15/16 in. wide flange grid systems. Main runners, nom 12 ft long spaced 4 ft OC. Cross tees, nom 4 ft long, installed perpendicular to main runners and spaced 2 ft OC. Cross tees, nom 2 ft long, installed perpendicular to 4 ft cross tees and spaced 4 ft OC. For use with Type P, nom 24 by 24 in. square edge lay-in panels.
ARMSTRONG WORLD INDUSTRIES INC -- Types FSL, FSLK. When Type FSL steel framing members are used, the assembly and beam ratings are 1 hr.

8F. Steel Framing Members* 9/16 in. wide narrow flange grid may be used as an alternate to 15/16 in. wide flange grid systems. Main runners, nom 12 ft long, spaced 4 ft OC. Cross tees, nom 4 ft long, installed perpendicular to main runners and spaced 2 ft OC. Cross tees, nom 2 ft long, installed perpendicular to 4 ft cross tees and spaced 4 ft OC. For use with Type P, nom 24 by 24 in. square edge lay-in panels.
BPB AMERICA INC
BPB CELOTEX -- Type PE. For 1 hr Assembly and Beam Ratings only .
CHICAGO METALLIC CORP -- Type 4050. For 1 hr Assembly and Beam Ratings only.

8G. Steel Framing Members* Main Runners, nom 12 ft long spaced 4 ft OC. Cross tees, nom 4 ft long, installed perpendicular to main runners and spaced 2 ft OC. Cross tees, nom 2 ft long, installed perpendicular to 4 ft cross tees and spaced 4 ft OC Type P, nom 24 in. by 24 in. square edge lay-in panels for use with DXLT or DXLTZ and Tegular edge lay in panels for use with DXLF. When Type DXLT or DXLTZ steel framing members are used the assembly and beam ratings are 1-1/2 hr. When Type DXLF steel framing members are used the assembly and beam ratings are 1 hr.
CGC INTERIORS, DIV OF
CGC INC -- Types DXLF, DXLT, DXLTZ.
USG INTERIORS INC -- Types DXLF, DXLT, DXLTZ,

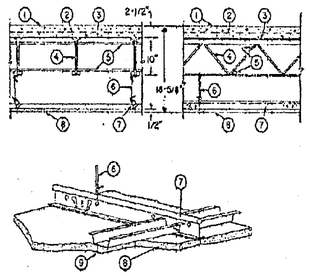
9. Fixtures, Recessed Light (Bearing the UL Listing Mark). Fluorescent lamp type, steel housings 2 by 4 ft or 2 by 60 in. size. Fixtures spaced so their area does not exceed 24 sq ft per 100 sq ft of ceiling area. When the nom 20 by 60 in. fixtures are used, fixture stabilizers (Item 9A) shall be used in addition to the hanger wires occurring at the midspan of the 5 ft long cross tees. Wired in conformance with the National Electrical Code. Fixtures and ballasts must be considered for these ambient temperature conditions before installation.
9A. Fixture Stabilizer (Not shown). One per 20 by 60 in. fixture assembly. No. 16 MSG painted steel channel formed as a yoke, secured to the web at midspan of 5 ft long cross tee on each side of fixture.
9B. Fixture Stabilizer (Not shown). For use with the Type 1650 metal pans (See Item 8A). One min 0.047 in. thick (16 MSG) galv steel channel yoke per light fixture, secured to the web at midspan of cross tee on each side of fixture.
10. Fixture Protection -- Acoustical Material* Same as Item 11. Cut into pieces to form a five sided enclosure, rectangular in cross-section, approx 1/2 in. longer and wider than the fixture with sufficient depth to provide at least 1/2 in. clearance between the top of the fixture and the enclosure. The pieces are held together by Bd nails spaced 5-1/2 in. O.C.
11. Acoustical Material* Lay-in panels, Border panels supported at walls by min 0.016 in. thick (26 MSG) pointed steel angle with 1 in. legs; or, min 0.016 in. thick (26 MSG) pointed steel channel, 1-3/4 in. deep with 3/4 in. top flange and 1 in. bottom flange. (S)=surface perforations, (P)=through perforations.
ARMSTRONG WORLD INDUSTRIES INC -- Type 5/8 in. P or PC (S, P) 24 x 24, 36, 48 or 60 in., 20 x 60 in., 30 x 30 or 60 in.; 5/8 in. PC (S, P) 36 x 36 or 60 in., 48 x 48 in; 3/4 in. BF (S, P) 24x24.

Type P or PC (S,P) 15 mm thick 600 x 600 or 1200 mm. These metric size panels may only be used with the metric size grid described under Item 8A.

12. Hold-Down Clips No. 26 MSG spring steel, placed over cross tees 2 ft OC. Non-Accessible Hold-Down Clips (Not Illustrated) -- No. 28 MSG spring steel placed on last acoustical lay-in panel installed in ceiling. Accessible Hold-Down Clips (Not Illustrated) -- No. 25 MSG pointed steel, used where required.
*Bearing the UL Classification Mark

Design No. G528

Restrained Assembly Rating -- 1-1/2 Hr.
Unrestrained Assembly Rating -- 1-1/2 Hr.



1. Normal-Weight Concrete Carbonate or siliceous aggregate, 152 # or -- 3 pcf unit weight, 4500 psi compressive strength.
2. Welded Wire Fabric 6 by 6 in., 10/10 SWG.
3. Metal Lath 3/8 in. rib, 3.4 lb per sq yd expanded steel. Tied to each joist at every other rib and midway between joints at side lap with 18 SWG galv steel wire.
4. Steel Joists Type 10J2 min size, spaced 24 in. O.C., welded to end supports.
5. Bridging 1/2 in. diam steel bars welded to top and bottom chords of each joist.
6. Hanger Wire No. 12 SWG galv steel wire tied to lower chord of joists spacing not over 48 in. O.C.
7. Steel Framing Members* Main runners, cross tees, cross channels and wall angle as listed below:
a. Main Runners Nom 10 or 12 ft. long, 15/16 in. or 1-1/2 in. wide face, spaced 4 ft. OC.
b. Cross Tees Nom 4 ft. long, 1-1/2 in. wide face, 15/16 in. wide face installed at sides of light fixtures, installed perpendicular to the main runners, spaced 24 in. OC. Additional cross tees or cross channels used at 8 in. from each side of butted wallboard end joints. The cross tees or cross channels may be riveted or screw attached to the wall angle or channel to facilitate the ceiling installation.
c. Cross Channels Nom 4 ft. long, installed perpendicular to main runners , spaced 24 in. OC.
d. Wall Angle or Channel Painted or galv steel angle with 1 in. legs or channel with 1 in. legs, 1-9/16 in. deep attached to walls at perimeter of ceiling with fasteners 16 in. OC. To support steel framing member ends and for screw-attachment of the gypsum wallboard.
CGC INTERIORS, DIV OF
CGC INC -- Type DGL or RX.
USG INTERIORS INC -- Type DGL or RX.

7A. Steel Framing Members* (Not shown) -- As an alternate to Item 7 . Main runners nom 12 ft long, spaced 48 in. OC. Ends of main runners at walls to rest on wall angle, without attachment, with 1/2 to 3/4 in. end clearance. Primary cross tees (1-1/2 in. wide across flange) or cross channels, nom 4 ft long, installed perpendicular to main runners and spaced 24 in. OC. Additional primary cross tees or cross channels required at each wallboard end joint and 8 in. from and on each side of wallboard end joint.
ARMSTRONG WORLD INDUSTRIES INC -- Type DFR-8000.

7B. Steel Framing Members* (Not Shown) -- As an alternate to Items 7 and 7A, For use with 1/2 in. thick wallboard only. Main runners nom 12 ft long, spaced 48 in. OC. Cross channels, 4 ft. long, installed perpendicular to main runners and spaced 24 in. OC. Additional cross channels required 8 in. from and on each side of wallboard end joints, and 8 in. from each side of light fixtures. Cross tees, 4 ft long installed perpendicular to main runners to support the 4 ft sides of light fixtures, J-shaped metal trim molding, installed at perimeter of light fixtures to cover and support the exposed wallboard edges.
CHICAGO METALLIC CORP -- Type 830.

7C. Steel Framing Members* (Not Shown) -- As an alternate to Items 7, 7A and 7B. Main runners nom 12 ft long, spaced 48 in. OC. Cross tees, nom 4 ft long installed perpendicular to main runners and spaced 24 in. OC. Additional cross tees located 8 in. from and on each side of wallboard end joints, and 8 in. from each side of light fixtures.
BPB AMERICA INC
BPB CELOTEX -- Types PDWH, PDWS
CHICAGO METALLIC CORP -- Types 650, 650C, 670, 670C.

8. Gypsum Board* 1/2 in. or 5/8 in. thick, 4 ft wide, installed with long dimension perpendicular to cross channels with side joints centered along main runners. Wallboard fastened to cross channels with 1 in. long wall board screws spaced 12 in. OC along the end joints and 12 in. OC in the field. The screws along the end joints located 1/2 in. from and on either side of the board edge. The screws for the long edges located 1-3/4 in. from and on either side of the board edges. End joints of the sheets shall be staggered with spacing between joints on adjacent boards not less than 4 ft OC.
When alternate Steel Framing Members* (Item 7B) are used, wallboard installed with long dimension (side joints) perpendicular to the cross channels and 4 ft cross tees, and with the side joints centered along the main runners. Wallboard fastened to cross channels with wallboard screws located 1/2 in. from butted end joints, with one screw located at the midspan of the cross channel, one screw located 12 in. from and on each side of the channel mid span, and one screw located 2-3/4 in. from each side joint. End joints of the sheets shall be staggered as described above. Joints to be covered with paper tape and joint compound.

When the alternate Steel Framing Members* (Item 7C) are used, wallboard installed with long dimension perpendicular to cross tees with side joints centered along the main runners and end joints centered along cross tees. Fastened to cross tees with five wallboard screws with one screw located at the mid span of the cross tee, one screw located 12 in. from and on each side of the cross tee midspan, and one screw located 1-1/2 in. from each wallboard side joint. Except at wallboard end joints, wallboard screws shall be located on alternating sides of cross tee flange. At wallboard end joints, wallboard screws shall be located 1 in. from the joint. Wallboard fastened to main runners with wallboard screws 1/2 in. from side joints, midway between intersections with cross tees (24 in. OC). End joints of adjacent sheets shall be staggered as described above. Joints to be covered with joint tape and joint compound.

AMERICAN GYPSUM CO -- Type AG-C or AGX-B,
BPB AMERICA INC
BPB CELOTEX -- Type FRP.
CANADIAN GYPSUM COMPANY -- Type C.
CONTINENTAL GYPSUM COMPANY -- Types CG-3, CG3-3, CQ5-5, CG-C, CGTC-C.
C-P GYPSUM CORP, Type DF
GEORGIA-PACIFIC CORP -- Types S, C.
JAMES HARDIE GYPSUM INC -- 1/2 or 5/8 in. Type Mox"C" , 5/8 in. Type Fire X.
LAFARGE GYPSUM, DIV OF
LAFARGE CORP -- Types LGFC3, LGFC-C, LGFC-C/A.
NATIONAL GYPSUM CO -- Type FSK-C, FSK-G, FSW-1, FSW-C or FSW-G.
PABCO GYPSUM, DIV OF
PACIFIC COAST BUILDING PRODUCTS INC -- Types C, PG-3, PG-C.
REPUBLIC GYPSUM CO -- Types RG-3 or RG-C.
STANDARD GYPSUM L L C -- Type SG-C or SGC-G, 5/8 in.
TEMPLE-INLAND FOREST PRODUCTS CORP -- Types T, YPB-Type T or TG-C.
UNITED STATES GYPSUM CO -- Type C.
YESO PANAMERICANO S A DE C V -- Type C.

9. Screw, Wallboard Type S, 1 in. long, self-drilling and self-tapping. 0.168 in. diam shank, 5/16 in. diam heads.
10. Wall Angle (Not shown) -- No. 26 MSG angle, with 1-1/4 in. legs, nailed to walls along perimeter of ceiling.
*Bearing the UL Classification Mark

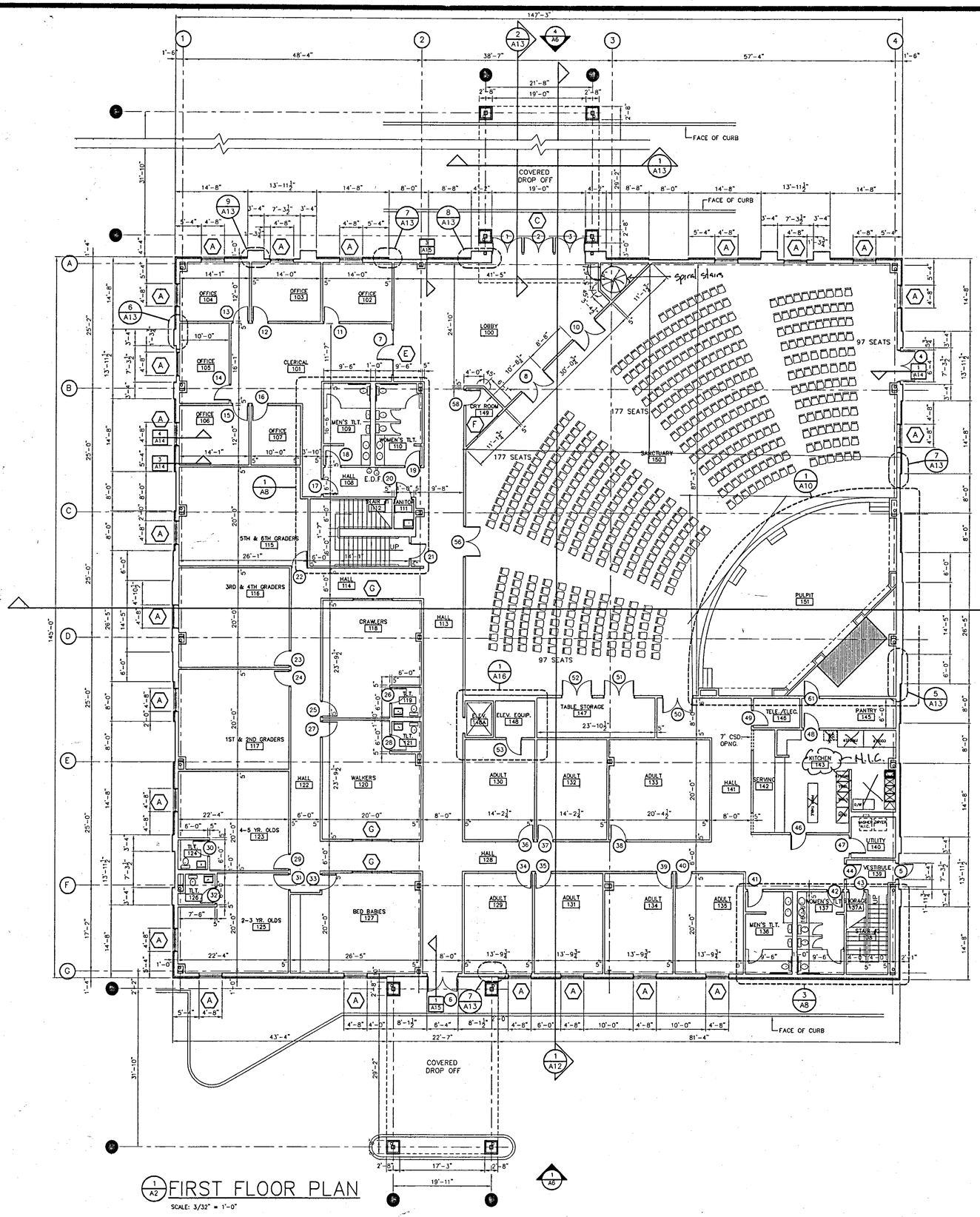
REVISIONS	BY

WOOLDRIDGE & ASSOCIATES
105 CENTRAL AVENUE
RIDGELAND, MS 39157
601-856-[illegible] FAX

REGISTERED ARCHITECT
Daniel B. Wooldridge
2365
Jackson, MS
STATE OF MISSISSIPPI
9-27-02

A New Building for
CHURCH OF THE HIGHLANDS
Ridgeland, Mississippi

DRAWN	
CHECKED	
DATE	
SCALE	
JOB NO.	
SHEET	CR2
OF	SHEETS



FIRST FLOOR PLAN

SCALE: 3/32" = 1'-0"

NOTES:

1. CONTRACTOR TO FIELD VERIFY ALL CONDITIONS HEREIN AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR CONFLICTS WITHIN DOCUMENTS PRIOR TO BID AND CONSTRUCTION OR INSTALLATION.
2. CONTRACTOR IS TO COORDINATE SUBCONTRACTORS WORK SO AS NOT TO CONFLICT WITH GYP. BOARD FURRING, CEILINGS, STEEL BEAMS, BRACING, DUCTWORK, CONDUIT, ECT.. VERIFY CLEARANCES REQUIRED BY ALL TRADES PRIOR TO ANY WORK.
3. ALL EXTERIOR DIMENSIONS ARE TO FACE OF E.I.F.S. UNLESS OTHERWISE INDICATED.
4. F.E. ON PLANS REFER TO FIRE EXTINGUISHER WITH WALL MOUNTED BRACKET.
5. SQUARE FOOTAGES GIVEN HEREIN SHOULD BE VERIFIED AND ARE NOT INTENDED FOR BIDDING PURPOSES.
6. ALL INTERIOR FINISHES SHALL MEET OR EXCEED CHAPTER 8 SECTION 803 OF THE 2000 INTERNATIONAL BUILDING CODE.
7. CONTRACTOR IS TO COORDINATE ALL PERIMETER BUILDING SLAB WITH INTERFACE OF EXTERIOR SITE WORK. PROVIDE PROPER SEPARATION WITH EXPANSION JOINT FILLER AND SEALANT WHERE REQUIRED.
8. PROVIDE GYP. BD. FURRING AROUND COLUMNS WITH A MINIMUM DIMENSION.
9. INSTALL GYPSUM BOARD CONTROL JOINTS AS REQUIRED.
10. ALL EXTERIOR STUD WALLS TO HAVE HORIZONTAL BRACING AT 48" O.C. VERTICALLY.
11. EXTEND ALL GYP. BD. INTERIOR WALLS AND PARTITIONS UP 6" ABOVE ADJACENT CEILINGS UNLESS OTHERWISE INDICATED.
12. INSTALL 6" 14GA. STEEL STRAPPING OR 2X4 WOOD BLOCKING IN CHASE WALLS FOR ALL ACCESSORIES AND WHERE TOILET PARTITIONS ARE ANCHORED TO WALL.
13. FIRE SEAL BOTTOMS OF ALL RATED STUD/GYPSUM BOARD WALLS BEFORE BASE MATERIAL IS INSTALLED.

DESIGN CONCEPT

THE STRUCTURE OF THE BUILDING IS A PRE-ENGINEERED STEEL STRUCTURE.

ALL COLUMNS, BEAMS AND ANY OTHER SUPPORTING STRUCTURE SHALL BE DESIGNED, SIZED AND SUPPLIED BY THE PRE-ENGINEERED MANUFACTURER.

THE ARCHITECTURAL DRAWINGS SHOW COLUMNS AND BEAMS FOR DESIGN PURPOSES ONLY AND SHALL NOT BE USED FOR THE BUILDING STRUCTURE. ANY AND ALL STRUCTURE NOT SHOWN ON DRAWINGS SHALL BE PROVIDED BY THE PRE-ENGINEERED MANUFACTURER

THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACING AS NEEDED FOR ERECTION UNTIL ALL STRUCTURAL ELEMENTS ARE INSTALLED.

CONNECTIONS NOT SHOWN ON THE DRAWINGS SHALL BE DESIGNED BY THE FABRICATOR.

PROVIDE # 4 CORNER BARS AT INTERSECTIONS OF GRADEBEAMS.

THE FOUNDATION DESIGN IS BASED ON SUBSURFACE EXPLORATION BY BURNS COOLEY DENNIS, INC.

STRIP ALL TOPSOIL, VEGITATION, DEBRIS, ROOTS AND DELETERIOUS MATERIAL FROM UNDER BUILDING PAD AND WITHIN 5 FEET OUTSIDE BUILDING PAD

PROVIDE 7' OF SELECT FILL BETWEEN BOTTOM OF FOUNSDATION AND NONEXPANSIVE SOILS

NOTES

ALL WORK SHALL CONFORM TO THE LATEST REQUIRMENTS OF ACI 318, CRSI AND THE STANDARD BUILDING CODE.

ALL CONCRETE SHALL OBTAIN A 28 DAY STRENGTH OF 3,000 PSI.

SUBMIT MIX DESIGN TO THE A/E FOR APPROVAL. THIS SUBMITTAL SHALL CONFORM TO SECTION 5.3 OF ACI 318-95 AND SECTION 1905 OF THE 2000 INTERNATIONAL BUILDING CODE. MIX DESIGN WILL NOT BE APPROVED WITHOUT BREAK DATA AS REQUIRED BY ACI. IF BREAK DATA IS NOT AVAILABLE INCREASE STRENGTH SHOWN ABOVE BY 1200.

REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60.

WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185. SUPPORT WWF AT THE PROPER DEPTH PRIOR TO PLACING CONCRETE. PULLING UP WWF WHILE THE CONCRETE IS BEING PLACED WILL NOT BE ALLOWED. CMU OR CLAY BRICK SHALL NOT BE USED TO SUPPORT WWF.

PULLING UP WWF WHILE THE CONCRETE IS BEING PLACED WILL NOT BE ALLOWED. CMU OR CLAY BRICK SHALL NOT BE USED TO SUPPORT WWF.

NOTE
BUILDING STRUCTURE IS SHOWN ON THESE PLANS.
BUILDING MANUFACTURER MAY REQUIRE MORE STRUCTURE THAN SHOWN.
CONTRACTOR MUST COORDINATE STRUCTURE WITH PLANS.
SOME MODIFICATIONS TO DETAILS MAY OCCURE.
CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY SUCH CHANGES.

REVISIONS	BY

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9-27-02

A New Building for
CHURCH OF THE HIGHLANDS
Ridgeland, Mississippi

DRAWN: BJC
CHECKED:
DATE:
SCALE:
JOB NO.:
SHEET: A2
OF SHEETS

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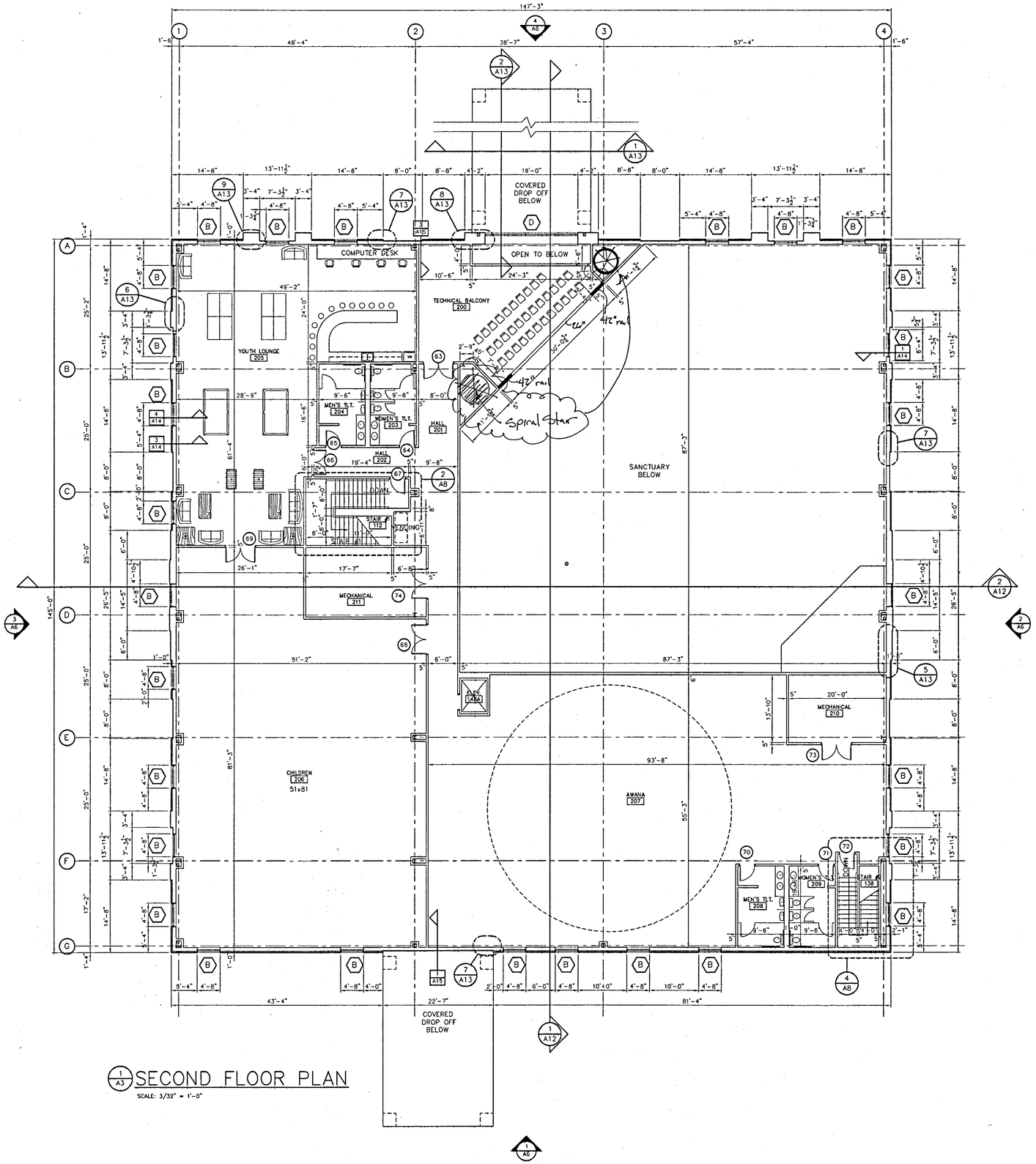

SECOND FLOOR PLAN

SCALE: 3/32" = 1'-0"

REVISIONS	BY

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9-27-02

A New Building for
CHURCH OF THE HIGHLANDS
Ridgeland, Mississippi

DRAWN	
CHECKED	
DATE	
SCALE	
JOB NO.	
SHEET	A3
OF	SHEETS

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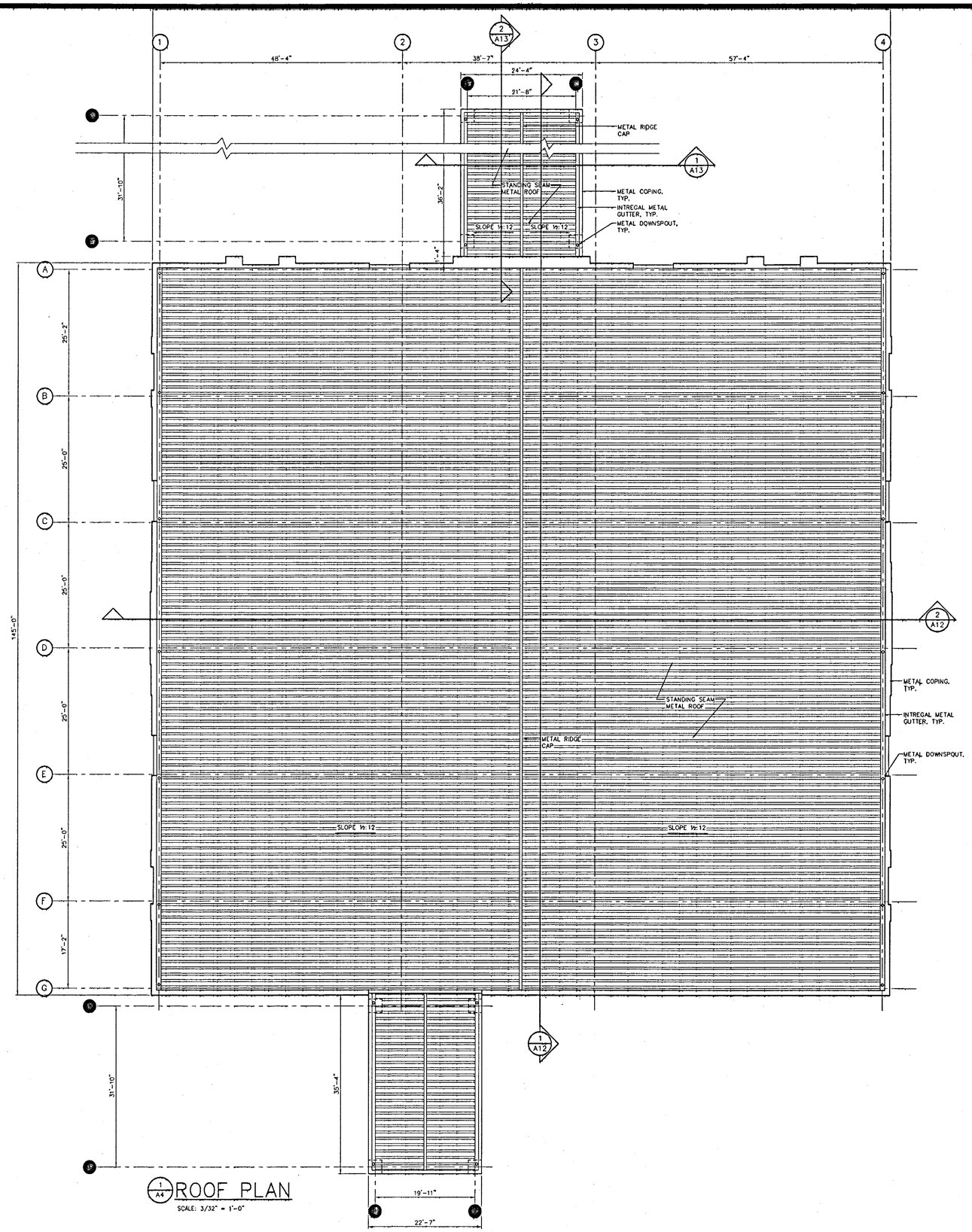

1/A4 ROOF PLAN

SCALE: 3/32" = 1'-0"

REVISIONS	BY

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STATE OF MISSISSIPPI
9.27.07

A New Building for
CHURCH OF THE HIGHLANDS
Ridgeland, Mississippi

DRAWN	
CHECKED	
DATE	
SCALE	
JOB NO.	
SHEET	A4
OF	SHEETS

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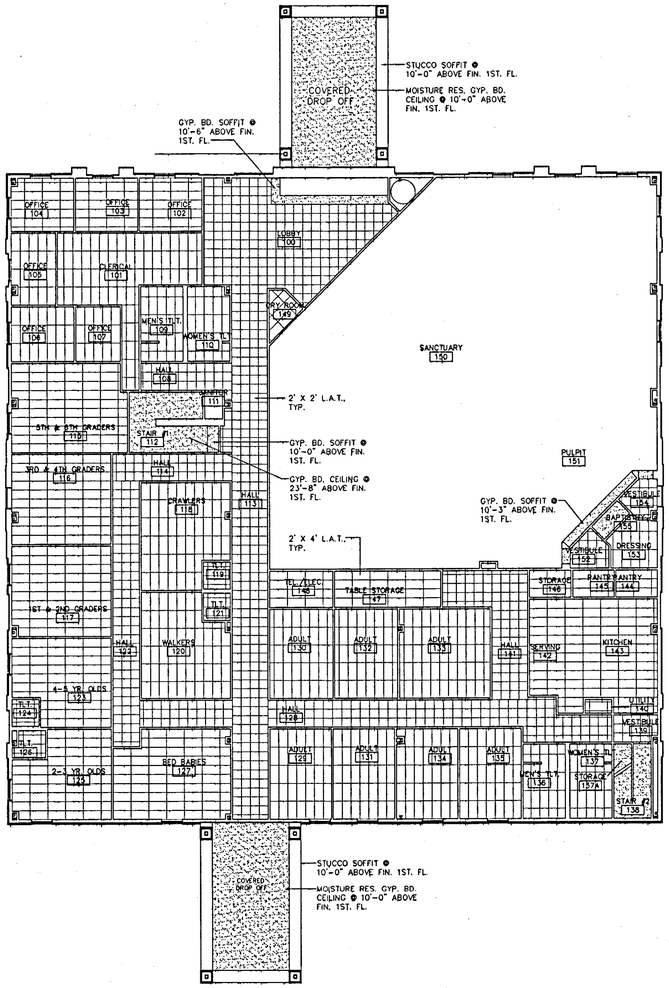
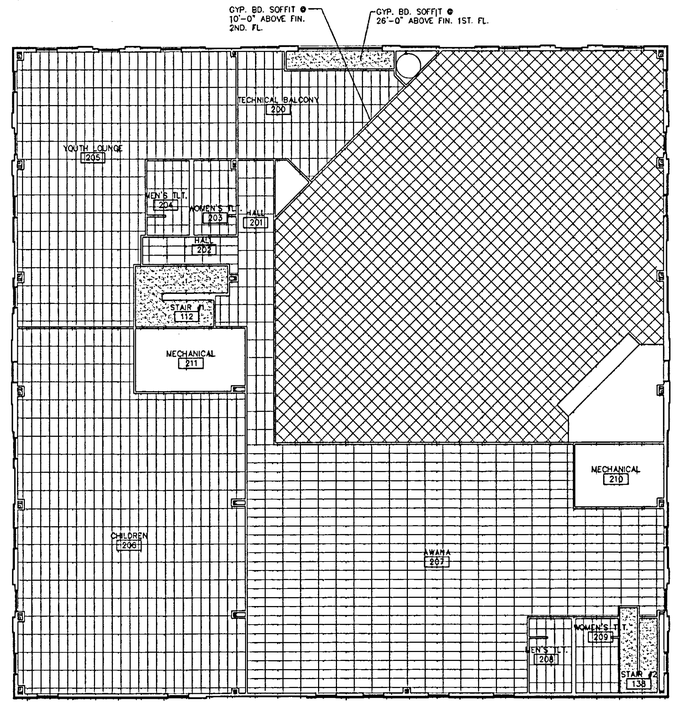


1/A5 1ST. FL. REFLECTED CEIL. PLAN

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



2/A5 2ND. FL. REFLECTED CEIL. PLAN

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

REVISIONS	BY

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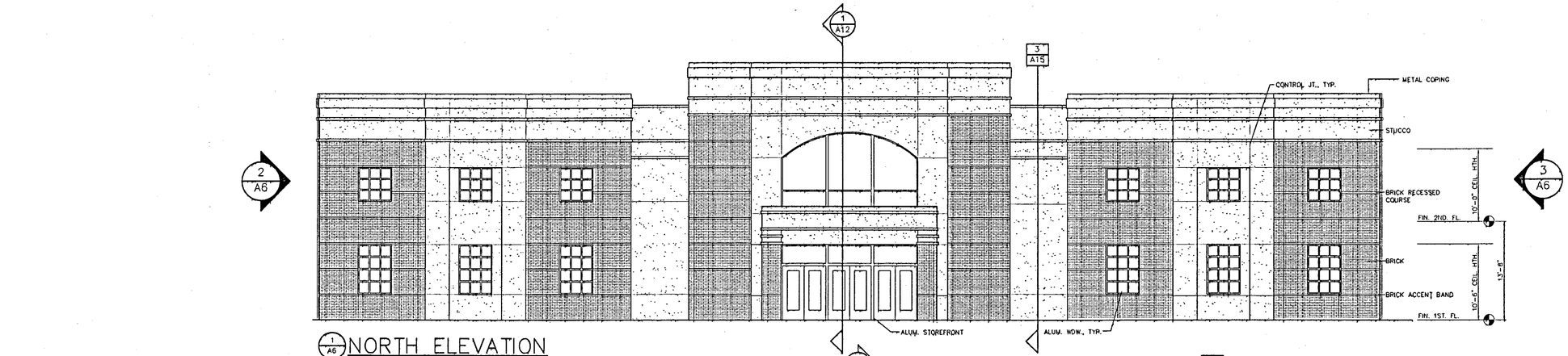
Jackson MS
STATE OF MISSISSIPPI
9-27-02

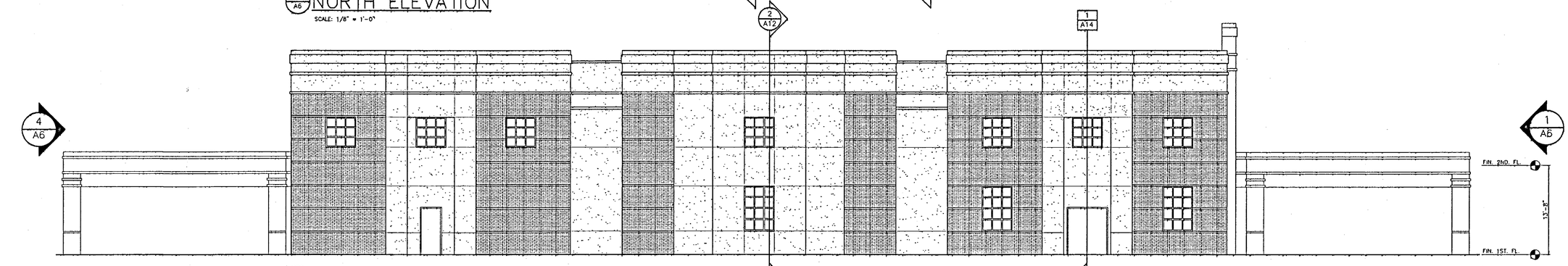
A New Building for
CHURCH OF THE HIGHLANDS
Ridgeland, Mississippi

DRAWN	
CHECKED	
DATE	
SCALE	
JOB NO.	
SHEET	A5
OF	SHEETS



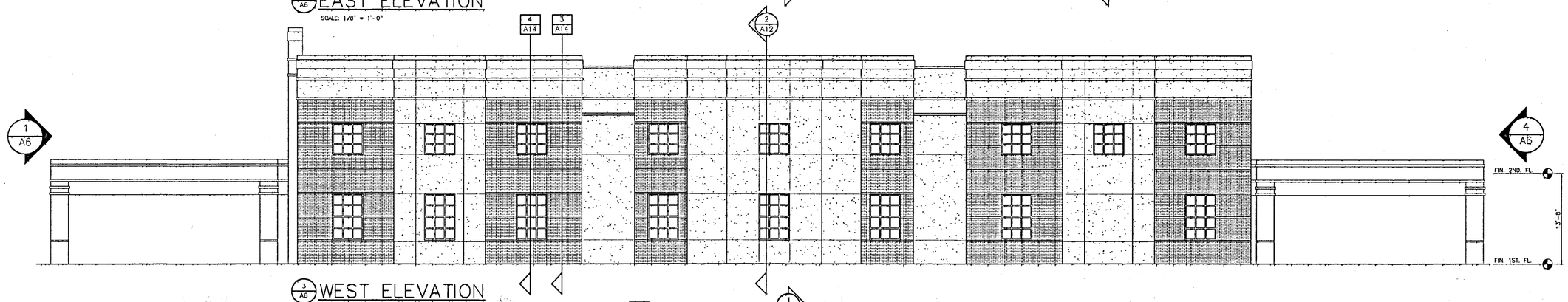
1/A6 NORTH ELEVATION

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



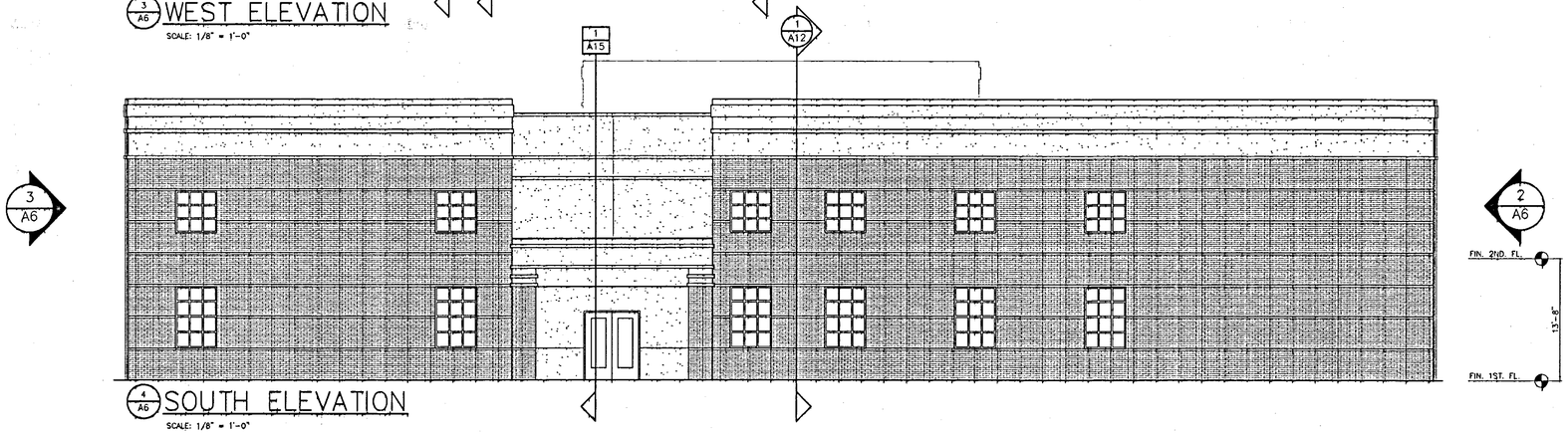
2/A6 EAST ELEVATION

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



3/A6 WEST ELEVATION

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



4/A6 SOUTH ELEVATION

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

Wooldridge & Associates 6/15/2001 9:49 AM bosssheet2.dwg

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7.27.02

A New Building for
CHURCH OF THE HIGHLANDS
Ridgeland, Mississippi

DRAWN	
CHECKED	
DATE	
SCALE	
JOB NO.	
SHEET	A6
OF	SHEETS

DOOR SCHEDULE

DOOR NO.	DOOR SIZE WIDTH	HEIGHT	THICK	DOOR TYPE	MATERIALS DOOR	FRAME	LABEL	REMARKS
1	PR.3-0	7-6	1¾	1	WD./GL.	ALUM.		
2	PR.3-0	7-6	1¾	1	WD./GL.	ALUM.		
3	PR.3-0	7-6	1¾	1	WD./GL.	ALUM.		
4	PR.3-0	7-0	1¾	3	H.M.	H.M.		
5	3-0	7-0	1¾	2	H.M.	H.M.		
6	PR.3-0	7-6	1¾	1	WD./GL.	H.M.		
7	3-0	7-0	1¾	2	S.C. WOOD	ALUM.		
8	PR.3-0	7-0	1¾	5	S.C. WOOD	H.M.	45 MIN	
9	3-0	7-0	1¾	5	S.C. WOOD	H.M.	45 MIN	
10	3-0	7-0	1¾	5	S.C. WOOD	H.M.	45 MIN	
11	3-0	7-0	1¾	2	S.C. WOOD	H.M.		
12	3-0	7-0	1¾	2	S.C. WOOD	H.M.		
13	3-0	7-0	1¾	2	S.C. WOOD	H.M.		
14	3-0	7-0	1¾	2	S.C. WOOD	H.M.		
15	3-0	7-0	1¾	2	S.C. WOOD	H.M.		
16	3-0	7-0	1¾	2	S.C. WOOD	H.M.		
17	3-0	7-0	1¾	2	S.C. WOOD	H.M.		
18	3-0	7-0	1¾	2	S.C. WOOD	H.M.		
19	3-0	7-0	1¾	2	S.C. WOOD	H.M.		
20	3-0	7-0	1¾	2	S.C. WOOD	H.M.	45 MIN	
21	3-0	7-0	1¾	6	S.C. WOOD	H.M.	45 MIN	
22	3-0	7-0	1¾	4	S.C. WOOD	H.M.		
23	3-0	7-0	1¾	4	S.C. WOOD	H.M.		
24	3-0	7-0	1¾	4	S.C. WOOD	H.M.		
25	3-0	7-0	1¾	4	S.C. WOOD	H.M.		
26	3-0	7-0	1¾	2	S.C. WOOD	H.M.		
27	3-0	7-0	1¾	4	S.C. WOOD	H.M.		
28	3-0	7-0	1¾	2	S.C. WOOD	H.M.		
29	3-0	7-0	1¾	4	S.C. WOOD	H.M.		
30	3-0	7-0	1¾	2	S.C. WOOD	H.M.		
31	3-0	7-0	1¾	4	S.C. WOOD	H.M.		
32	3-0	7-0	1¾	2	S.C. WOOD	H.M.		
33	3-0	7-0	1¾	4	S.C. WOOD	H.M.		
34	3-0	7-0	1¾	4	S.C. WOOD	H.M.		
35	3-0	7-0	1¾	4	S.C. WOOD	H.M.		
36	3-0	7-0	1¾	4	S.C. WOOD	H.M.		
37	3-0	7-0	1¾	4	S.C. WOOD	H.M.		
38	3-0	7-0	1¾	4	S.C. WOOD	H.M.		
39	3-0	7-0	1¾	4	S.C. WOOD	H.M.		
40	3-0	7-0	1¾	4	S.C. WOOD	H.M.		
41	3-0	7-0	1¾	2	S.C. WOOD	H.M.		
42	3-0	7-0	1¾	2	S.C. WOOD	H.M.		
43	3-0	7-0	1¾		S.C. WOOD	H.M.	45 MIN	
44	3-0	7-0	1¾	6	S.C. WOOD	H.M.	45 MIN	
45	PR.2-6	7-0	1¾	3	S.C. WOOD	H.M.		
46	3-0	7-0	1¾	2	S.C. WOOD	H.M.		
47	3-0	7-0	1¾	2	S.C. WOOD	H.M.		
48	3-0	7-0	1¾	2	S.C. WOOD	H.M.		
49	3-0	7-0	1¾	2	S.C. WOOD	H.M.		
50	PR.3-0	7-0	1¾	3	S.C. WOOD	H.M.	45 MIN	
51	PR.3-0	7-0	1¾	3	S.C. WOOD	H.M.	45 MIN	
52	PR.3-0	7-0	1¾	3	S.C. WOOD	H.M.	45 MIN	
53	3-0	7-0	1¾	2	S.C. WOOD	H.M.		
54	3-0	7-0	1¾	2	S.C. WOOD	H.M.	45 MIN	
55	PR.3-0	7-0	1¾	3	S.C. WOOD	H.M.	45 MIN	
56	PR.3-0	7-0	1¾	3	S.C. WOOD	H.M.	45 MIN	
57	PR.3-0	7-0	1¾	3	S.C. WOOD	H.M.	45 MIN	
58	3-0	7-0	1¾	2	S.C. WOOD	H.M.	45 MIN	
59	3-0	7-0	1¾	2	S.C. WOOD	H.M.		
60	3-0	7-0	1¾	2	S.C. WOOD	H.M.		
61	2-8	7-0	1¾	2	S.C. WOOD	H.M.		
62	3-0	7-0	1¾	2	S.C. WOOD	H.M.		
63	PR.3-0	7-0	1¾	3	S.C. WOOD	H.M.	45 MIN	
64	3-0	7-0	1¾	2	S.C. WOOD	H.M.		
65	3-0	7-0	1¾	2	S.C. WOOD	H.M.		
66	PR.2-6	7-0	1¾	3	S.C. WOOD	H.M.		
67	3-0	7-0	1¾	6	S.C. WOOD	H.M.	45 MIN	
68	PR.3-0	7-0	1¾	3	S.C. WOOD	H.M.		
69	PR.3-0	7-0	1¾	3	S.C. WOOD	H.M.		
70	3-0	7-0	1¾	2	S.C. WOOD	H.M.		
71	3-0	7-0	1¾	2	S.C. WOOD	H.M.		
72	3-0	7-0	1¾	6	S.C. WOOD	H.M.	45 MIN	
73	PR.3-0	7-0	1¾	3	S.C. WOOD	H.M.	45 MIN	
74	PR.3-0	7-0	1¾	3	S.C. WOOD	H.M.	45 MIN	

DOOR SCHEDULE ABBREVIATIONS:

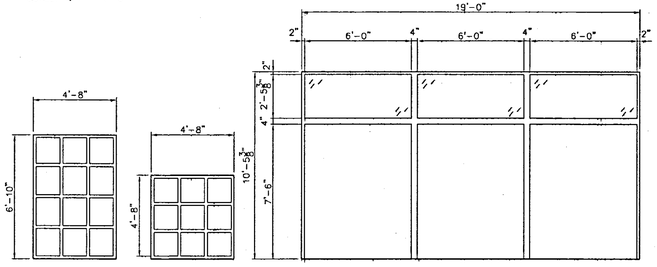
ALUM.	ALUMINUM
H.M.	HOLLOW METAL
S.C. WOOD	SOLID CORE WOOD
WD./GL.	WOOD/GLASS

FINISH NOTES:

1. ALL INTERIOR FINISHES SHALL MEET OR EXCEED CHAPTER 8 SECTION 803 OF THE STANDARD BUILDING CODE 2000 EDITION.
2. ALL WET AREAS SHALL HAVE A FINISHED SURFACE THAT IS NON-ABSORBENT.
3. PAINT TO HAVE AN A CLASSIFICATION. FLAME SPREAD AND SMOKE DEVELOPMENT INDEXES TO COMPLY WITH SECTION 803.4, STANDARD BUILDING CODE, 2000 EDITION.

ALUMINUM WINDOW & STOREFRONT SCHEDULE

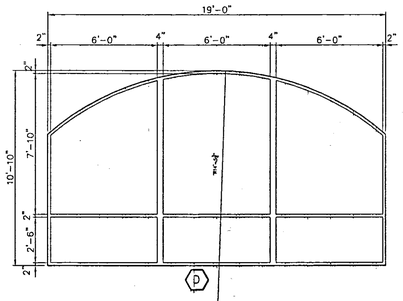
SCALE: 1/4" = 1'-0"



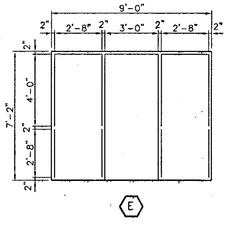
A — FIXED ALUM. WDW. W/½" INSULATING GLASS

B — FIXED ALUM. WDW. W/½" INSULATING GLASS

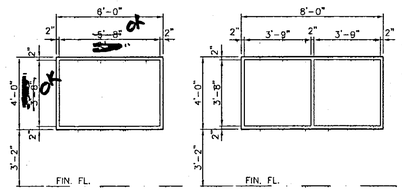
C — 2" X 4½" ALUM. STOREFRONT SYSTEM W/½" INSULATING GLASS



D — 2" X 4½" ALUM. STOREFRONT SYSTEM W/½" INSULATING GLASS



E — 2" X 4½" ALUMINUM STOREFRONT SYSTEM W/¼" SAFETY GLASS

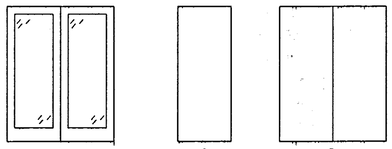


F — 2" X 4½" ALUMINUM STOREFRONT SYSTEM W/¼" FLOAT GLASS

G — 2" X 4½" ALUMINUM STOREFRONT SYSTEM W/¼" FLOAT GLASS

DOOR TYPES

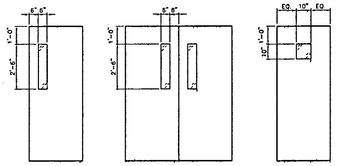
SCALE: 1/4" = 1'-0"



1 — ½" TEMP. INSULATING GLASS

2

3



wire 4 ~~¼" SAFETY~~ GLASS

wire 5 ~~¼" SAFETY GLASS~~

wire 6 ~~¼" SAFETY~~ GLASS

ROOM FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR	BASE	WALLS MATERIAL/FINISH	CEILING	CEILING HEIGHT	REMARKS
100	LOBBY	CERAMIC TILE	1 X 6 WOOD	GYP. BD.-PAINT	2 X 2 L.A.T.	10'-6"	
101	CLERICAL	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	9'-0"	
102	OFFICE	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	9'-0"	
103	OFFICE	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	9'-0"	
104	OFFICE	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	9'-0"	
105	OFFICE	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	9'-0"	
106	OFFICE	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	9'-0"	
107	OFFICE	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	9'-0"	
108	HALL	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 2 L.A.T.		
109	MEN'S TLT.	CERAMIC TILE	6" CERAMIC	CER. TILE/ GYP. BD.-V.W.C.	2 X 4 L.A.T.	9'-0"	MOISTURE RESISTANT GYP. BD. & L.A.T. 4" CERAMIC TILE WAINSCOT
110	WOMEN'S TLT.	CERAMIC TILE	6" CERAMIC	CER. TILE/ GYP. BD.-V.W.C.	2 X 4 L.A.T.	9'-0"	MOISTURE RESISTANT GYP. BD. & L.A.T. 4" CERAMIC TILE WAINSCOT
111	JANITOR	V.C.T.	6" RUBBER	GYP. BD.-PAINT	GYP. BD.	9'-0"	MOISTURE RESISTANT GYP. BD.
112	STAIR #1	CARPET	6" RUBBER	GYP. BD.-PAINT	GYP. BD.	23'-8"	
113	HALL	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 2 L.A.T.	10'-6"	
114	HALL	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 2 L.A.T.	10'-6"	
115	5TH & 6TH GRADERS	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	10'-6"	
116	3RD & 4TH GRADERS	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	10'-6"	
117	1ST & 2ND GRADERS	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	10'-6"	
118	CRAWLERS	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	10'-6"	
119	TLT.	CERAMIC TILE	6" CERAMIC	CER. TILE/ GYP. BD.-PAINT	2 X 4 L.A.T.	9'-0"	MOISTURE RESISTANT GYP. BD. & L.A.T. 4" CERAMIC TILE WAINSCOT
120	WALKERS	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	10'-6"	
121	TLT.	CERAMIC TILE	6" CERAMIC	CER. TILE/ GYP. BD.-PAINT	2 X 4 L.A.T.	9'-0"	MOISTURE RESISTANT GYP. BD. & L.A.T. 4" CERAMIC TILE WAINSCOT
122	HALL	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 2 L.A.T.	10'-6"	
123	4-5 YR. OLDS	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	10'-6"	
124	TLT.	CERAMIC TILE	6" CERAMIC	CER. TILE/ GYP. BD.-PAINT	2 X 4 L.A.T.	9'-0"	MOISTURE RESISTANT GYP. BD. & L.A.T. 4" CERAMIC TILE WAINSCOT
125	2-3 YR. OLDS	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	10'-6"	
126	TLT.	CERAMIC TILE	6" CERAMIC	CER. TILE/ GYP. BD.-PAINT	2 X 4 L.A.T.	9'-0"	MOISTURE RESISTANT GYP. BD. & L.A.T. 4" CERAMIC TILE WAINSCOT
127	BED BABIES	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	10'-6"	
128	HALL	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 2 L.A.T.	10'-6"	
129	ADULT	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	10'-6"	
130	ADULT	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	10'-6"	
131	ADULT	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	10'-6"	
132	ADULT	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	10'-6"	
133	ADULT	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	10'-6"	
134	ADULT	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	10'-6"	
135	ADULT	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	10'-6"	
136	MEN'S TLT.	CERAMIC TILE	6" CERAMIC	CER. TILE/ GYP. BD.-V.W.C.	2 X 4 L.A.T.	9'-0"	MOISTURE RESISTANT GYP. BD. & L.A.T. 4" CERAMIC TILE WAINSCOT
137	WOMEN'S TLT.	CERAMIC TILE	6" CERAMIC	CER. TILE/ GYP. BD.-V.W.C.	2 X 4 L.A.T.	9'-0"	MOISTURE RESISTANT GYP. BD. & L.A.T. 4" CERAMIC TILE WAINSCOT
137A	STORAGE	CARPET	6" RUBBER	GYP. BD.-PAINT	GYP. BD.	VARIES	
138	STAIR #2	CARPET	6" RUBBER	GYP. BD.-PAINT	GYP. BD.	23'-8"	
139	VESTIBULE	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	10'-6"	
140	UTILITY	V.C.T.	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	9'-0"	
141	HALL	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 2 L.A.T.	10'-6"	
142	SERVING	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	10'-6"	
143	KITCHEN	CERAMIC TILE	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	10'-6"	MOISTURE RESISTANT GYP. BD. & L.A.T.
144	PANTRY	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	9'-0"	
145	PANTRY	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	9'-0"	
146	TELE./ELEC.	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	9'-0"	
147	TABLE STORAGE	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	9'-0"	
148	ELEV. EQUIP.	SEALED CONC.	6" RUBBER	GYP. BD.-PAINT	EXP. STRUCT.	9'-0"	
148A	ELEVATOR	SEALED CONC.					
149	CRY ROOM	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	10'-6"	
150	SANCTUARY	CARPET	1 X 6 WOOD	GYP. BD.-PAINT	2 X 2 L.A.T.	23'-8"	
151	PULPIT	CARPET	1 X 6 WOOD	GYP. BD.-PAINT	2 X 2 L.A.T.	23'-8"	
152	VESTIBULE	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 2 L.A.T.	9'-0"	
153	DRESSING	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	9'-0"	
154	VESTIBULE	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 2 L.A.T.	9'-0"	
155	BAPTISTRY	SEALED CONC.	6" RUBBER	GYP. BD.-PAINT	GYP. BD.	10'-6"	
200	TECHNICAL BALCONY	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	10'-0"	
201	HALL	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	10'-0"	
202	HALL	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	10'-0"	
203	WOMEN'S TLT.	CERAMIC TILE	6" CERAMIC	CER. TILE/ GYP. BD.-PAINT	2 X 4 L.A.T.	9'-0"	MOISTURE RESISTANT GYP. BD. & L.A.T. 4" CERAMIC TILE WAINSCOT
204	MEN'S TLT.	CERAMIC TILE	6" CERAMIC	CER. TILE/ GYP. BD.-PAINT	2 X 4 L.A.T.	9'-0"	MOISTURE RESISTANT GYP. BD. & L.A.T. 4" CERAMIC TILE WAINSCOT
205	YOUTH LOUNGE	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	10'-0"	
206	CHILDREN	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	10'-0"	
207	AWANA	CARPET	6" RUBBER	GYP. BD.-PAINT	2 X 4 L.A.T.	10'-0"	
208	MEN'S TLT.	CERAMIC TILE	6" CERAMIC	CER. TILE/ GYP. BD.-PAINT	2 X 4 L.A.T.	9'-0"	MOISTURE RESISTANT GYP. BD. & L.A.T. 4" CERAMIC TILE WAINSCOT
209	WOMEN'S TLT.	CERAMIC TILE	6" CERAMIC	CER. TILE/ GYP. BD.-PAINT	2 X 4 L.A.T.	9'-0"	MOISTURE RESISTANT GYP. BD. & L.A.T. 4" CERAMIC TILE WAINSCOT
210	MECHANICAL	SEALED CONC.	6" RUBBER	GYP. BD.-PAINT	EXP. STRUCTURE	VARIES	
211	MECHANICAL	SEALED CONC.	6" RUBBER	GYP. BD.-PAINT	EXP. STRUCTURE	VARIES	

FINISH SCHEDULE ABBREVIATIONS;

EXP. STRUCT.	EXPOSED STRUCTURE
GYP. BD.	GYPSUM WALLBOARD
L.A.T.	LAY-IN ACOUSTICAL CEILING TILE
V.C.T.	VINYL COMPOSITION TILE
V.W.C.	VINYL WALL COVERING

REVISIONS	BY

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REGISTERED ARCHITECT — Daniel B. Wooldridge — 2365 — Jackson, MS — STATE OF MISSISSIPPI — 9-27-02

A New Building for
CHURCH OF THE HIGHLANDS
Ridgeland, Mississippi

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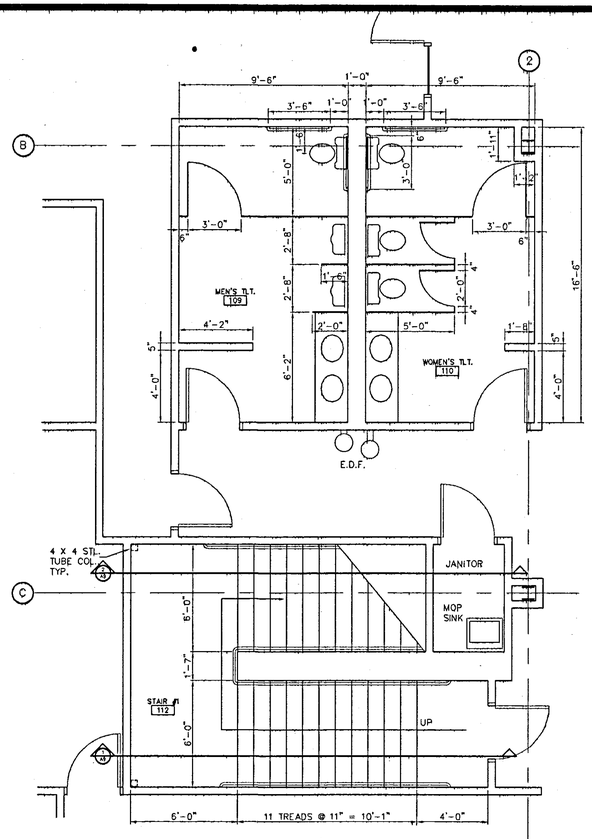
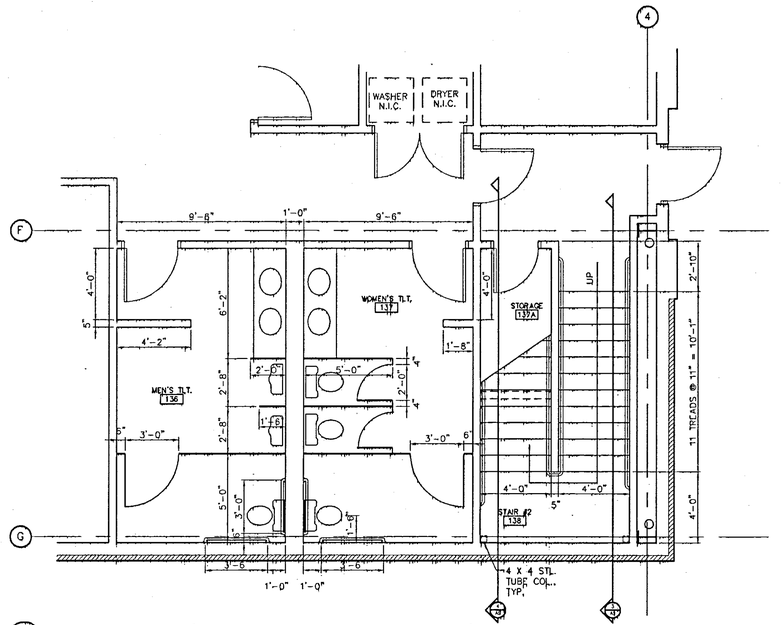
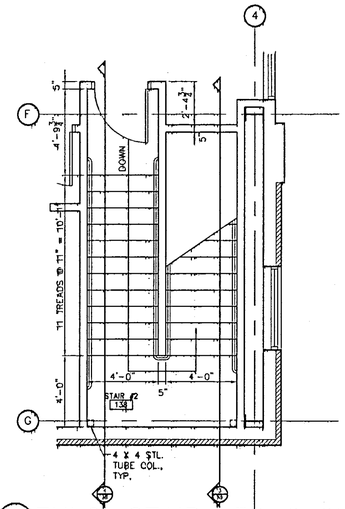
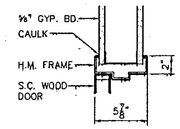






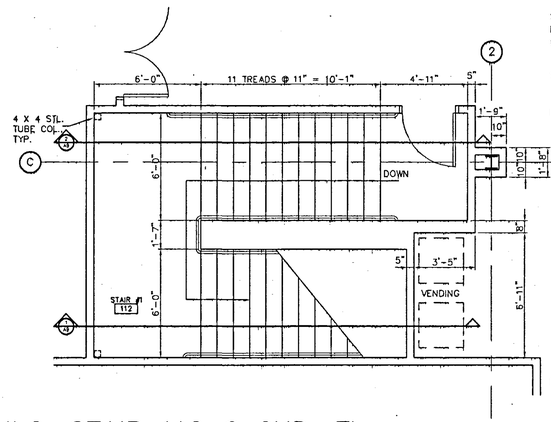


3/A8 ENLG. MEN'S TLT. 136, WOMEN'S TLT. 137, STAIR 138
SCALE: 1/4" = 1'-0"
MEN'S TLT. 208, WOMEN'S TLT. 209, SIM.

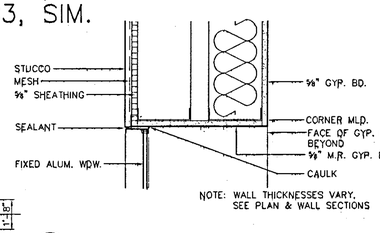
4/A8 ENLG. STAIR 138 @ 2ND. FL.
SCALE: 1/4" = 1'-0"

5/A8 TYP. INT. DOOR HEAD
SCALE: 1 1/2" = 1'-0"
JAMB SIM.

1/A8 ENLG. MEN'S TLT. 109, WOMEN'S TLT. 110, STAIR 112
SCALE: 1/4" = 1'-0"
MEN'S TLT. 204, WOMEN'S TLT. 203, SIM.

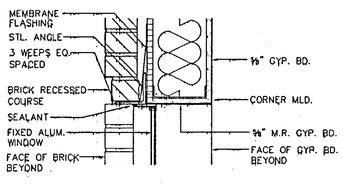


2/A8 ENLG. STAIR 112 @ 2ND. FL.
SCALE: 1/4" = 1'-0"

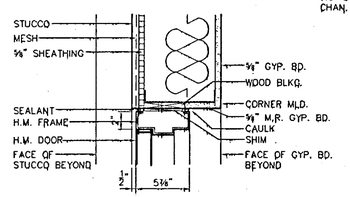


NOTE: WALL THICKNESSES VARY. SEE PLAN & WALL SECTIONS

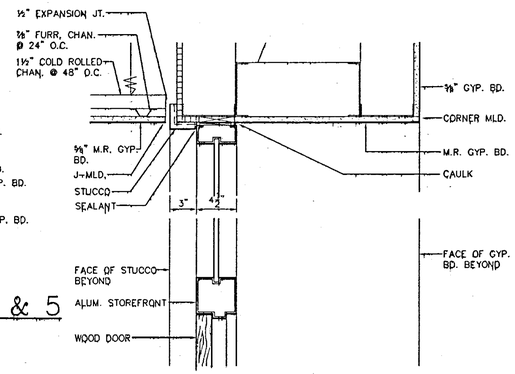
6/A8 TYP. WDW. HD. @ STUCCO WALL
SCALE: 1 1/2" = 1'-0"



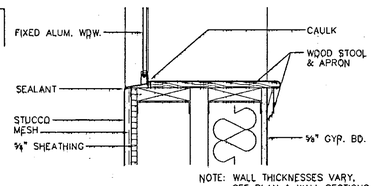
8/A8 TYP. WDW. HD. @ BRICK WALL
SCALE: 1 1/2" = 1'-0"



10/A8 HEAD @ DOORS 4 & 5
SCALE: 1 1/2" = 1'-0"
6 SIM.

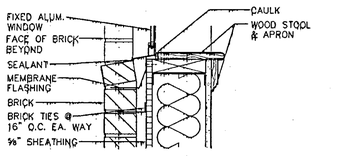


12/A8 HEAD @ DOORS 1, 2 & 3
SCALE: 1 1/2" = 1'-0"

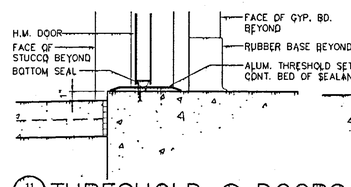


NOTE: WALL THICKNESSES VARY. SEE PLAN & WALL SECTIONS

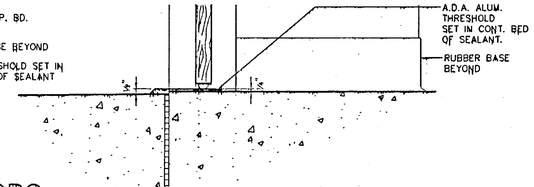
7/A8 TYP. WDW. SILL @ STUCCO WALL
SCALE: 1 1/2" = 1'-0"



9/A8 TYP. WDW. SILL @ BRICK WALL
SCALE: 1 1/2" = 1'-0"



11/A8 THRESHOLD @ DOORS 4 & 5
SCALE: 1 1/2" = 1'-0"



13/A8 THRESHOLD @ DOORS 1, 2, 3 & 6
SCALE: 1 1/2" = 1'-0"

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Daniel B. Wooldridge
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Jackson, MS
STATE OF MISSISSIPPI
7-27-02

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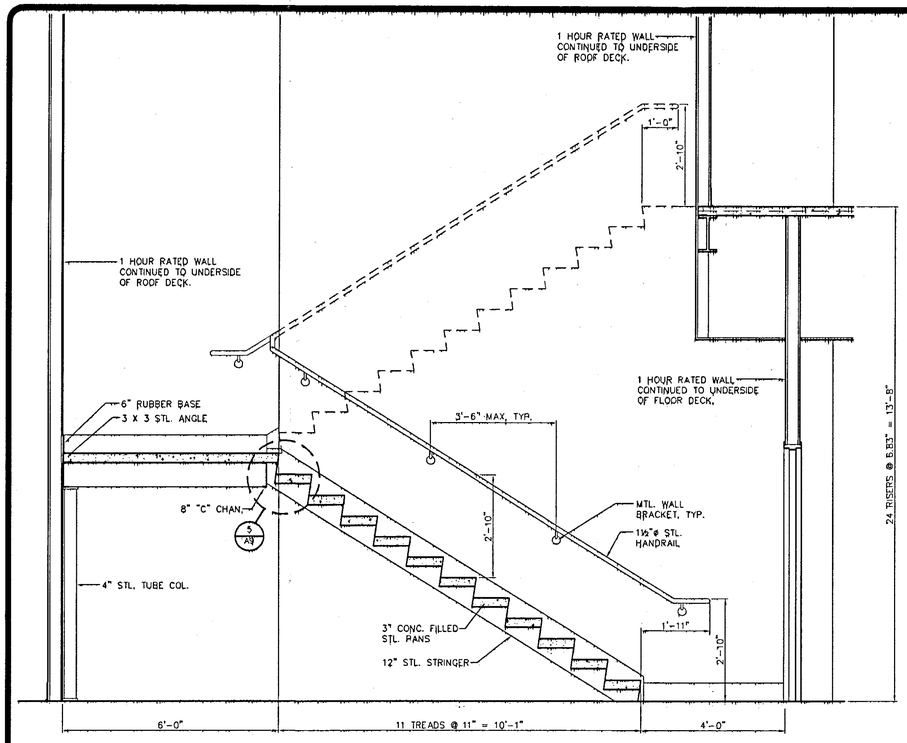
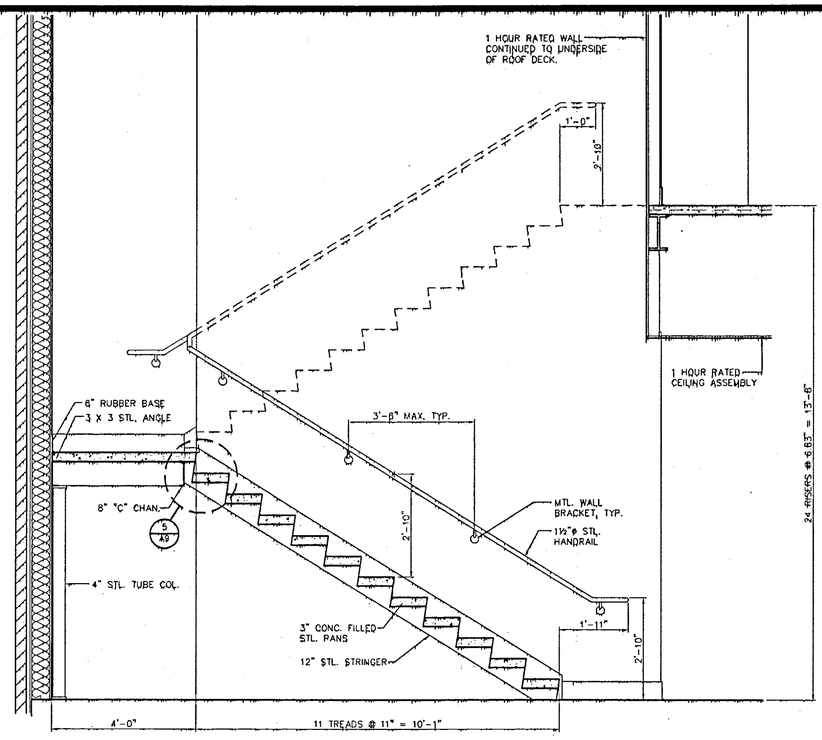


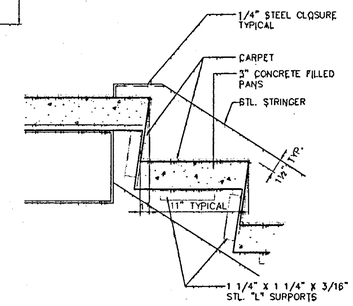
1/A9 STAIR SECTION

SCALE: 1/2" = 1'-0"



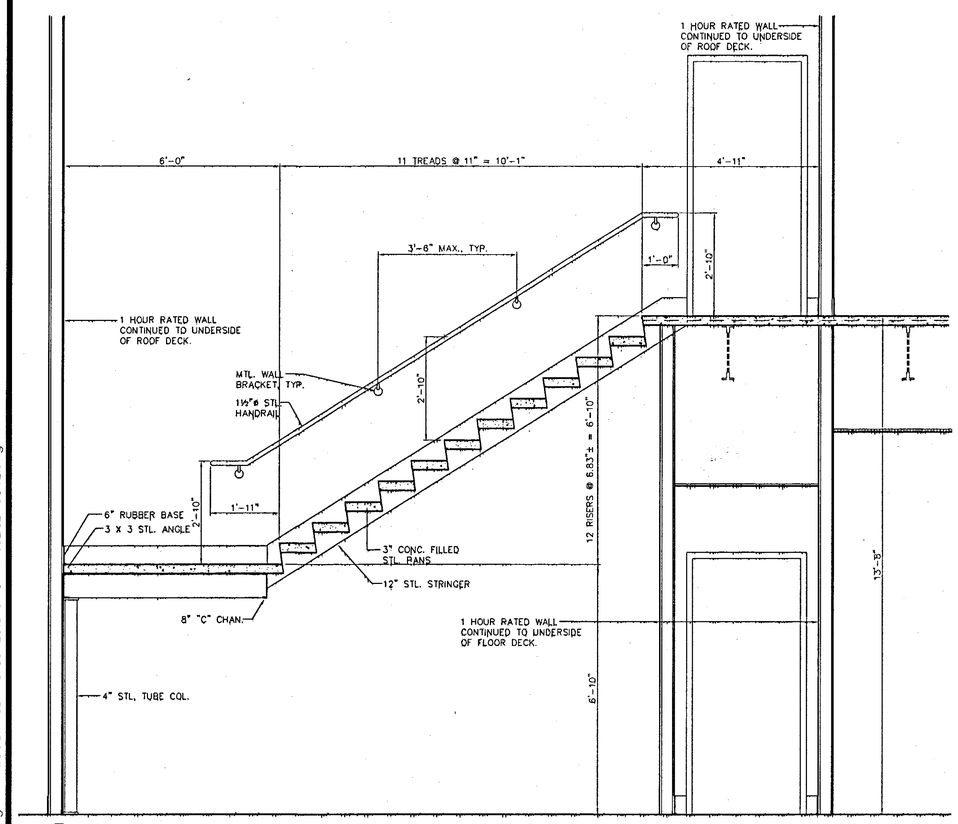
3/A9 STAIR SECTION

SCALE: 1/2" = 1'-0"



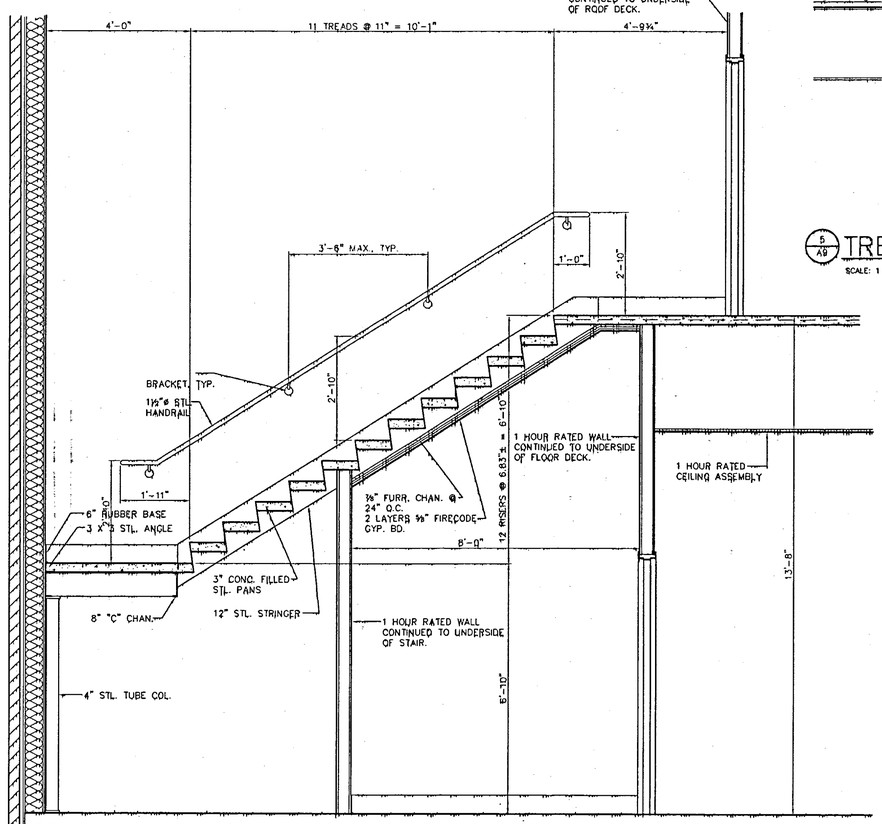
5/A9 TREAD/RISER DETAIL

SCALE: 1 1/2" = 1'-0"



2/A9 STAIR SECTION

SCALE: 1/2" = 1'-0"



4/A9 STAIR SECTION

SCALE: 1/2" = 1'-0"

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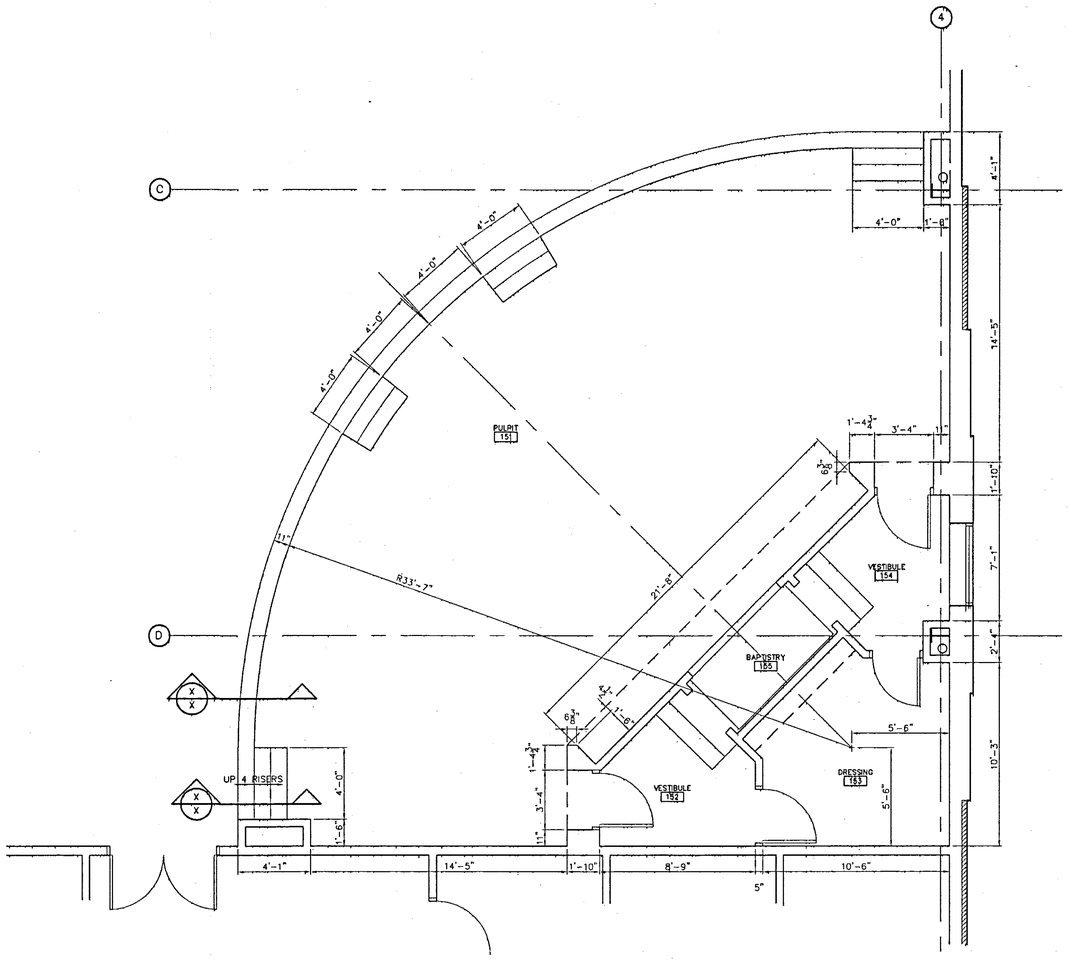
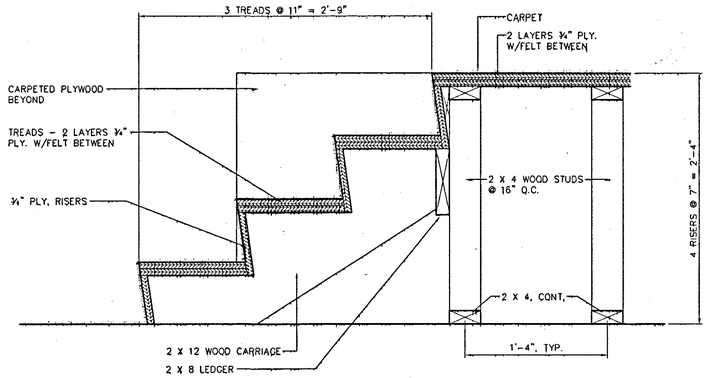


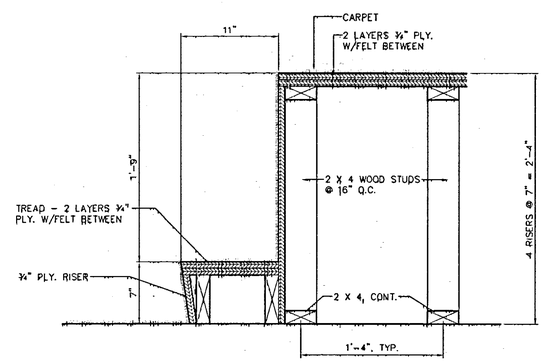
1/A10 ENLARGED PULPIT/BAPTISTRY

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



2/A10 SECTION @ PULPIT STEPS

SCALE: 1 1/2" = 1'-0"



3/A10 SECTION @ PULPIT KNEELER

SCALE: 1 1/2" = 1'-0"

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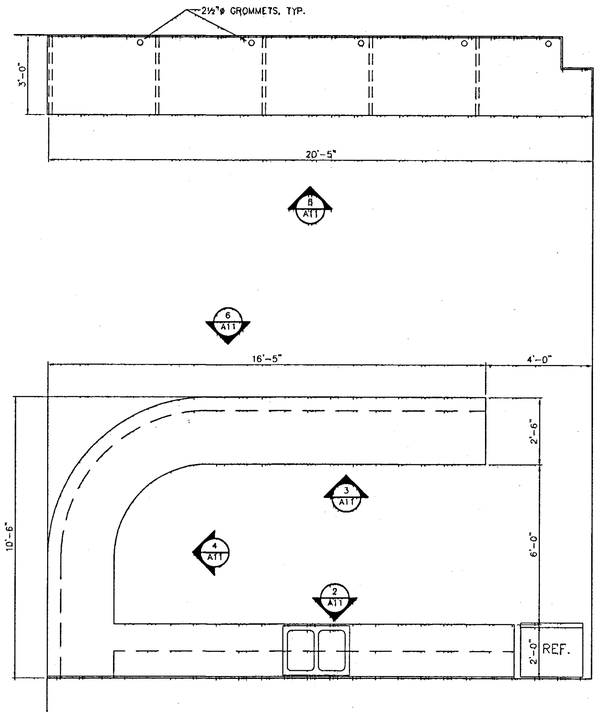
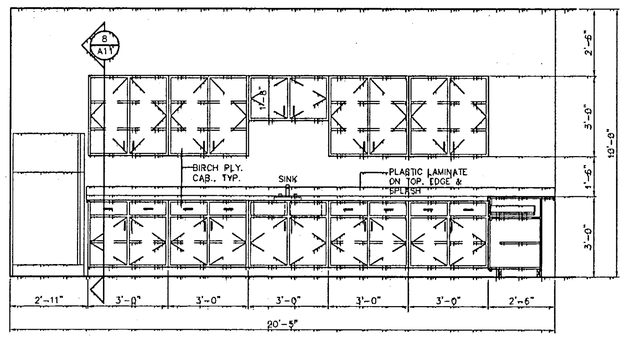


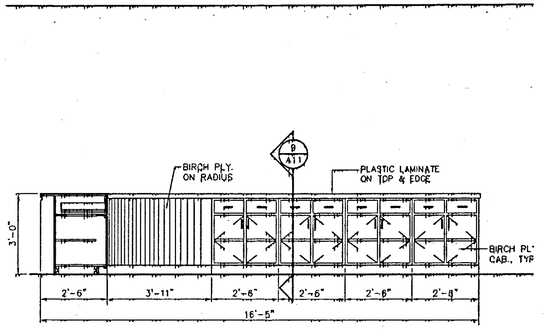
1 A11 PLAN—CAB. @ YOUTH LOUNGE, RM. 205

SCALE: 3/8" = 1'-0"



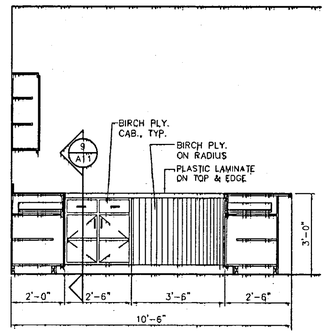
2 A11 ELEVATION

SCALE: 3/8" = 1'-0"



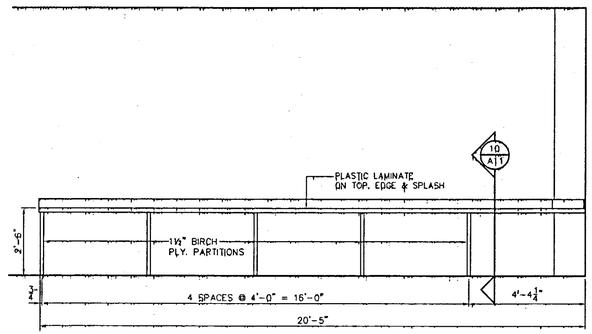
3 A11 ELEVATION

SCALE: 3/8" = 1'-0"



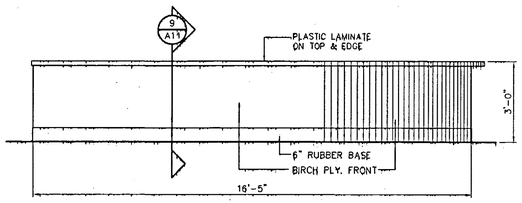
4 A11 ELEVATION

SCALE: 3/8" = 1'-0"



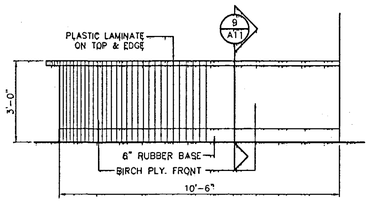
6 A11 ELEVATION

SCALE: 3/8" = 1'-0"



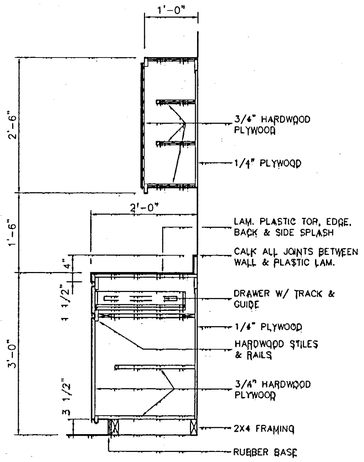
6 A11 ELEVATION

SCALE: 3/8" = 1'-0"



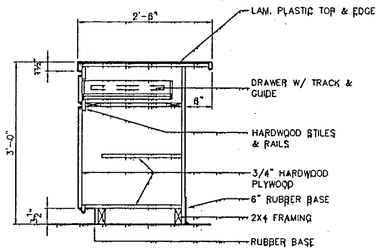
7 A11 ELEVATION

SCALE: 3/8" = 1'-0"



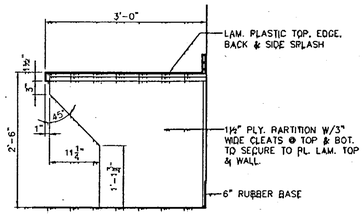
8 A11 SECTION

SCALE: 3/4" = 1'-0"



9 A11 SECTION

SCALE: 3/4" = 1'-0"



10 A11 SECTION

SCALE: 3/8" = 1'-0"

REVISIONS	BY

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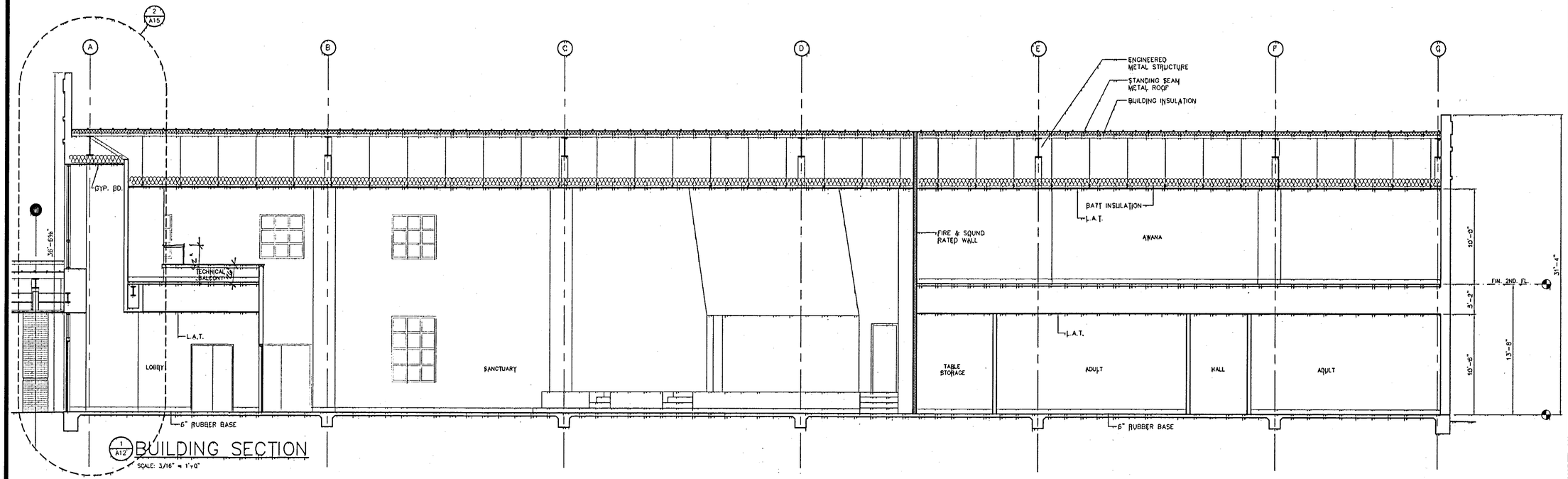
REGISTERED ARCHITECT
Daniel B. Wooldridge
2365
Jackson, MS
STATE OF MISSISSIPPI

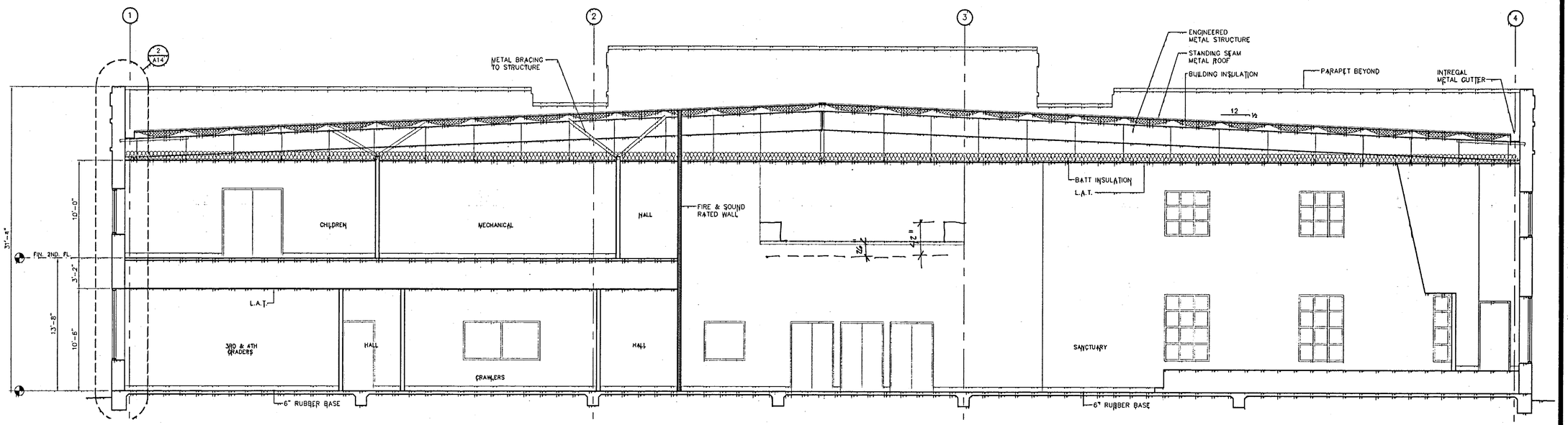
A New Building for
CHURCH OF THE HIGHLANDS
Ridgeland, Mississippi

DRAWN	
CHECKED	
DATE	
SCALE	
JOB NO.	
SHEET	A11
OF	SHEETS



1/A12 BUILDING SECTION

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



2/A12 BUILDING SECTION

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

REVISIONS	BY

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5-27-02

A New Building for
CHURCH OF THE HIGHLANDS
Ridgeland, Mississippi

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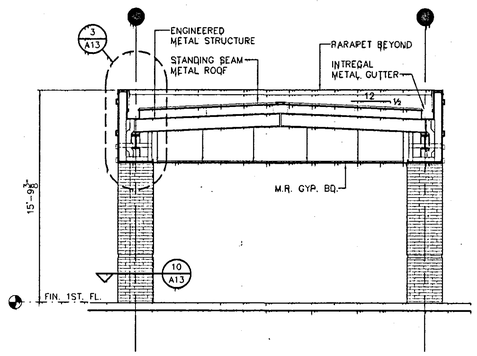
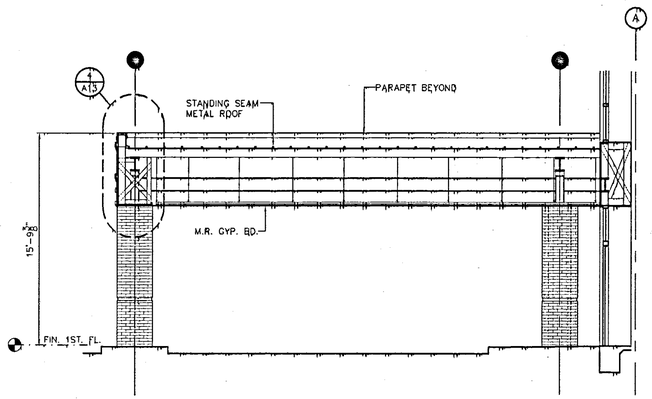
CHECKED	
DATE	
SCALE	
JOB NO.	
SHEET	A12
OF	SHEETS



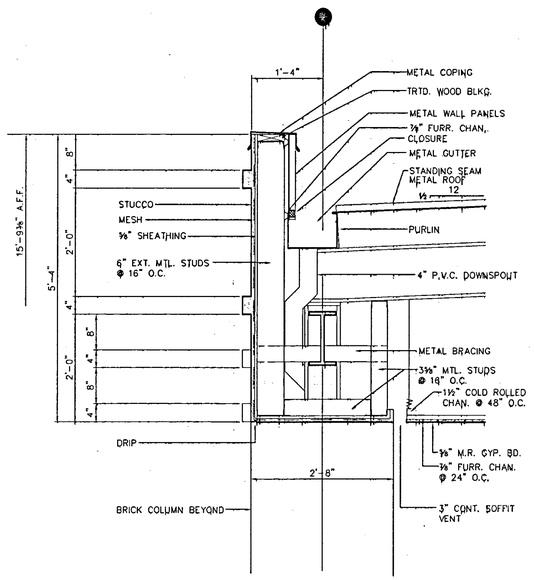
1 A13 CANOPY TRANSVERSE SECTION

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



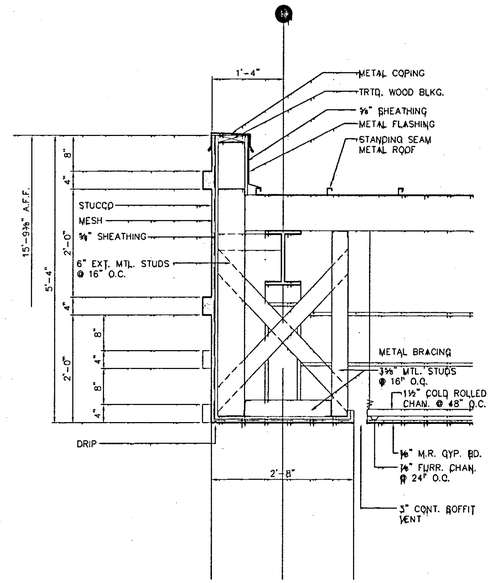
2 A13 CANOPY LONGITUDINAL SECTION

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



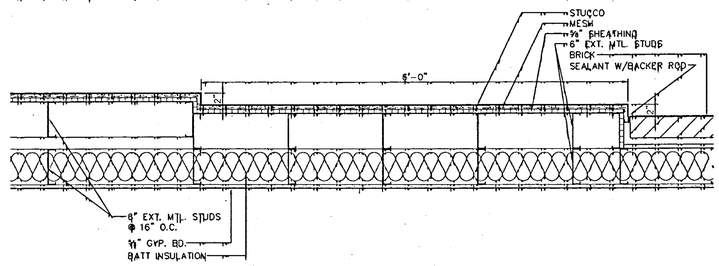
3 A13 CANOPY RAKE DETAIL

SCALE: 3/4" = 1'-0"



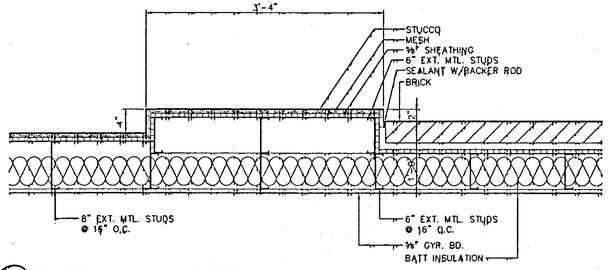
4 A13 CANOPY EAVE DETAIL

SCALE: 3/4" = 1'-0"



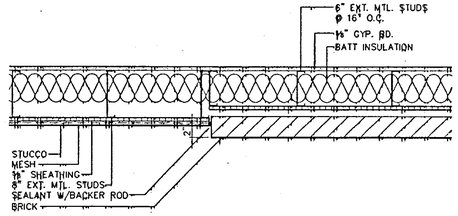
5 A13 EXT. WALL DETAIL

SCALE: 1" = 1'-0"



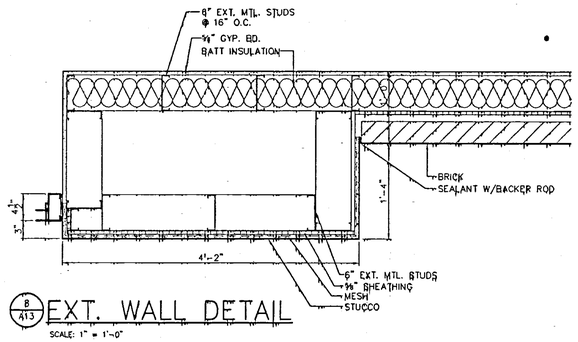
6 A13 EXT. WALL DETAIL

SCALE: 1" = 1'-0"



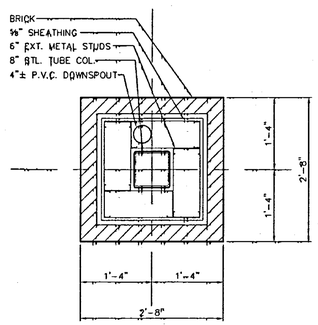
7 A13 EXT. WALL DETAIL

SCALE: 1" = 1'-0"



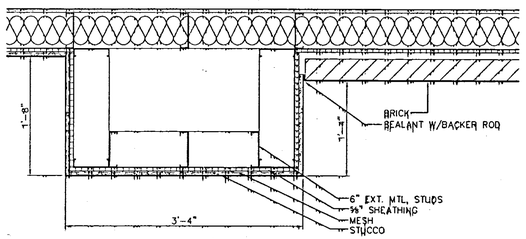
8 A13 EXT. WALL DETAIL

SCALE: 1" = 1'-0"



10 A13 COLUMN DETAIL

SCALE: 3/4" = 1'-0"



9 A13 EXT. WALL DETAIL

SCALE: 1" = 1'-0"

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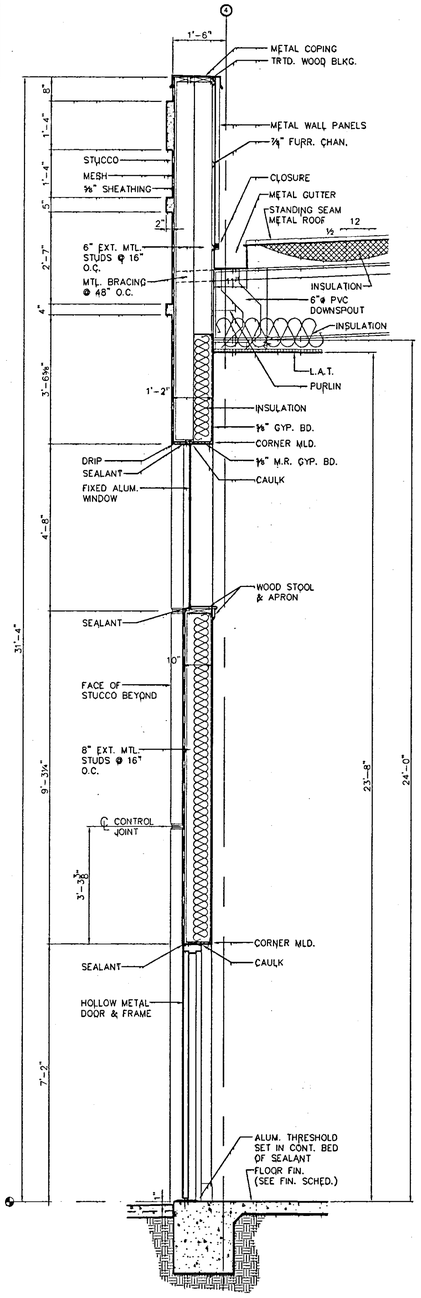
REGISTERED ARCHITECT
Daniel B. Wooldridge
2365
STATE OF MISSISSIPPI
9-27-02

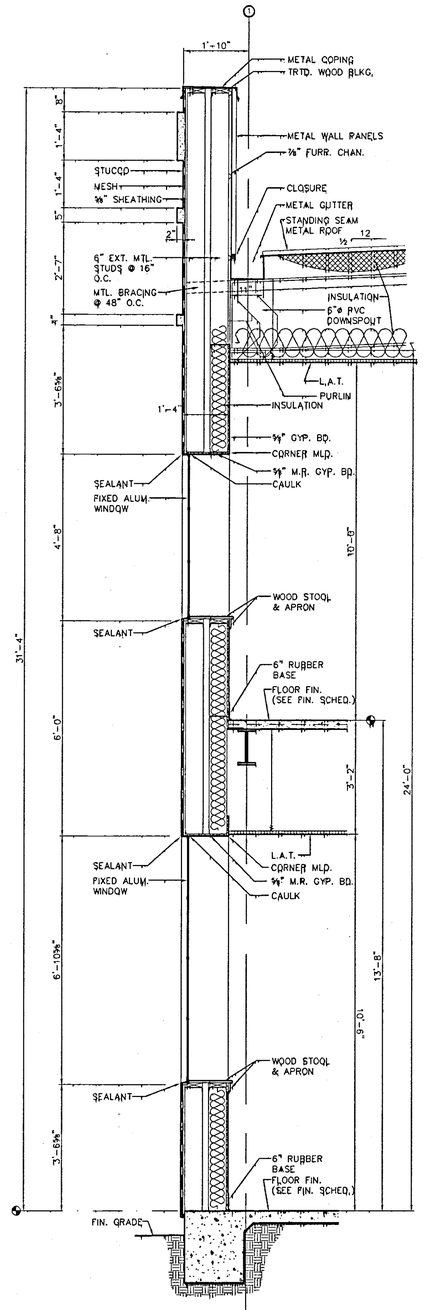
A New Building for
CHURCH OF THE HIGHLANDS
Ridgeland, Mississippi

DRAWN	
CHECKED	
DATE	
SCALE	
JOB NO.	
SHEET	A13
OF	SHEETS



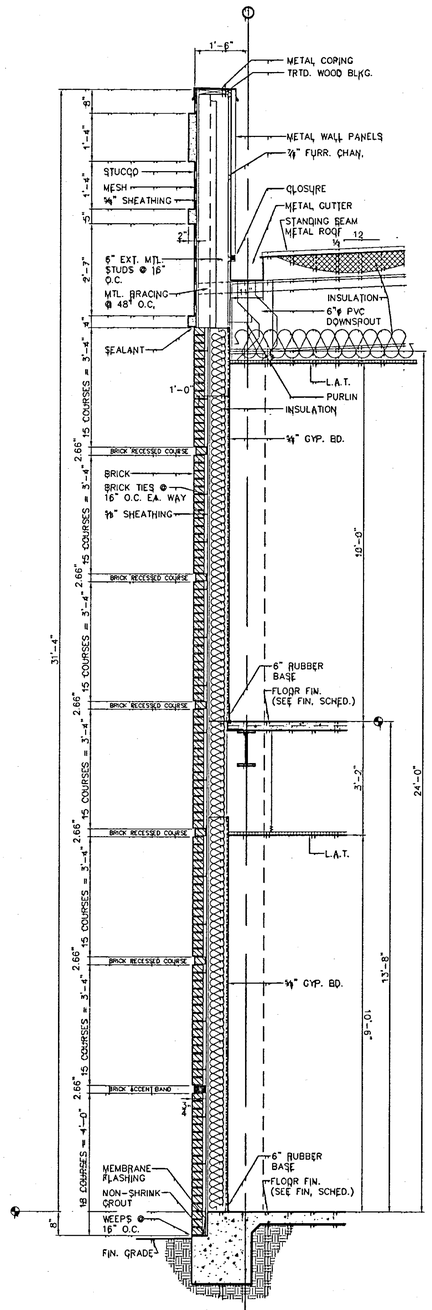
1 / A14 WALL SECTION

SCALE: 3/4" = 1'-0"



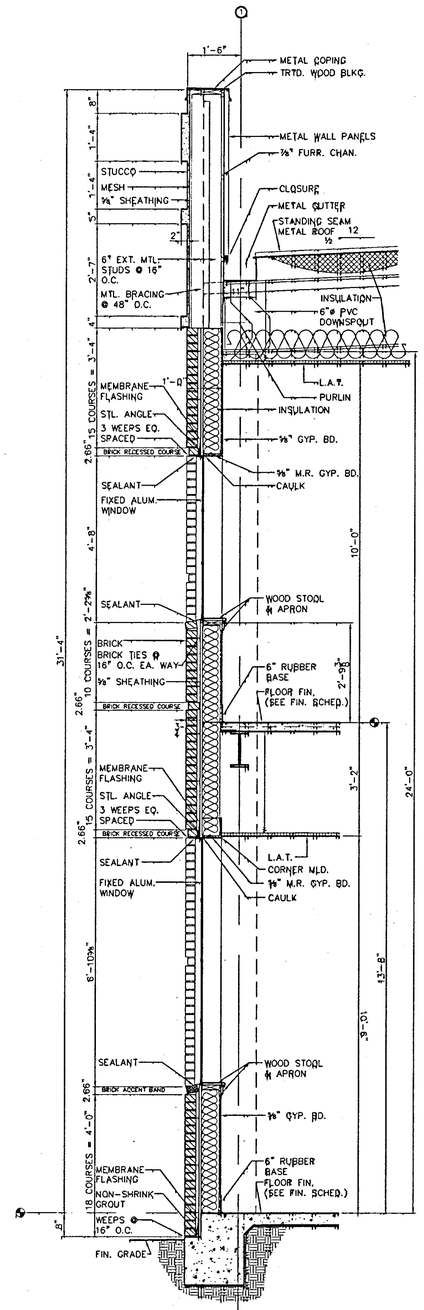
2 / A14 WALL SECTION

SCALE: 3/4" = 1'-0"



3 / A14 WALL SECTION

SCALE: 3/4" = 1'-0"



4 / A14 WALL SECTION

SCALE: 3/4" = 1'-0"

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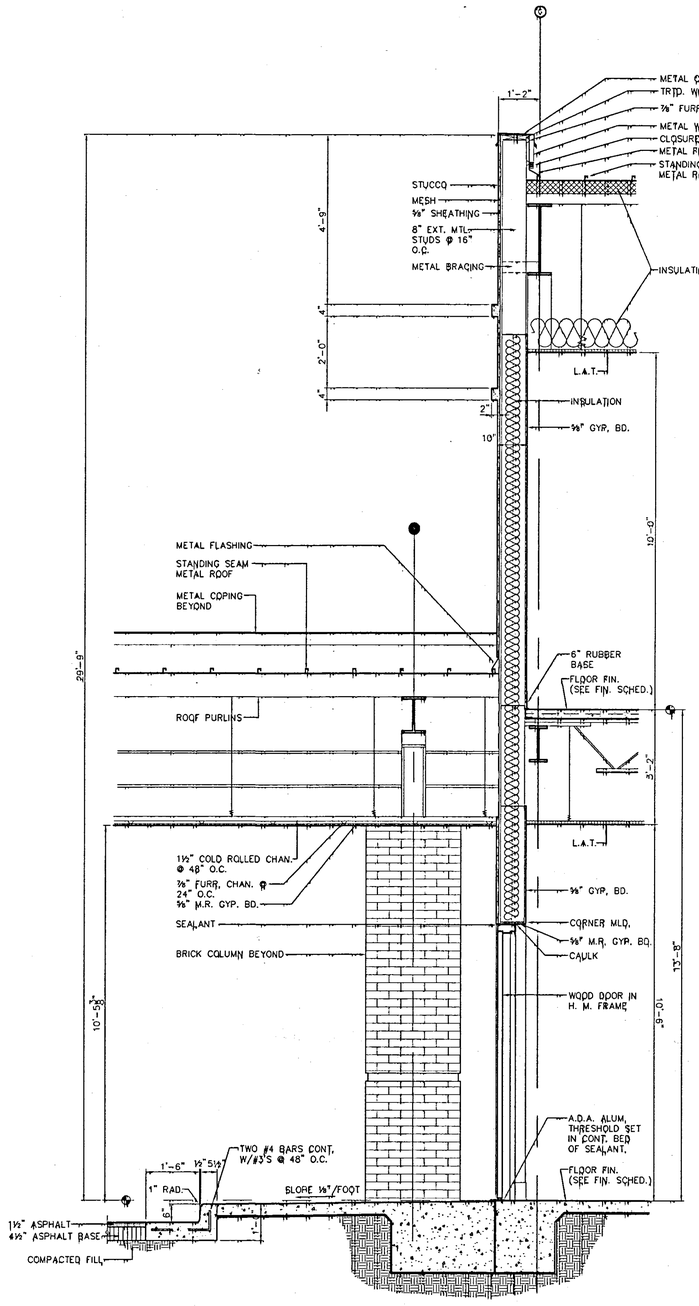
9-24-02

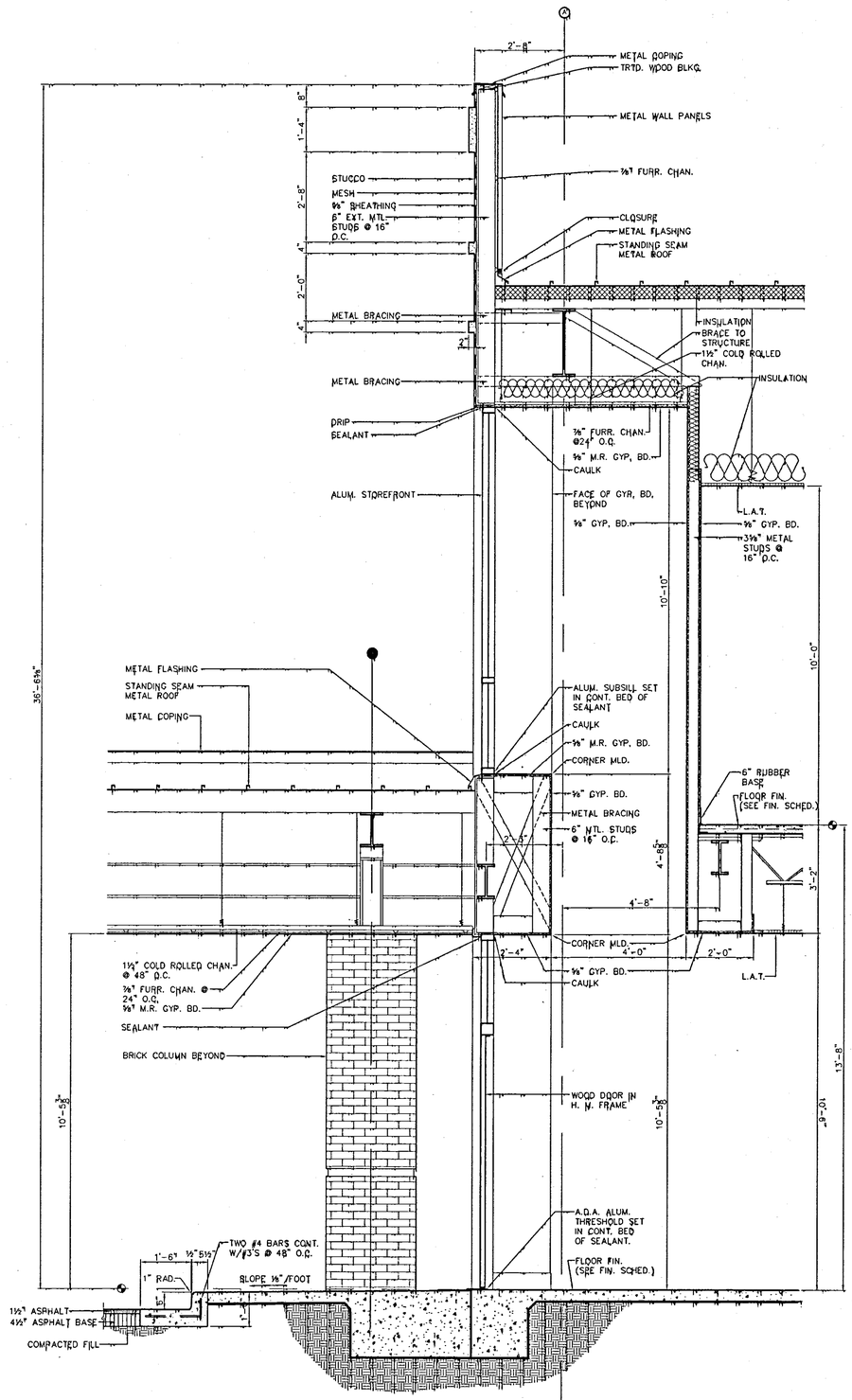
A New Building for
CHURCH OF THE HIGHLANDS
Ridgeland, Mississippi

DRAWN	
CHECKED	
DATE	
SCALE	
JOB NO.	
SHEET	A14
OF	SHEETS



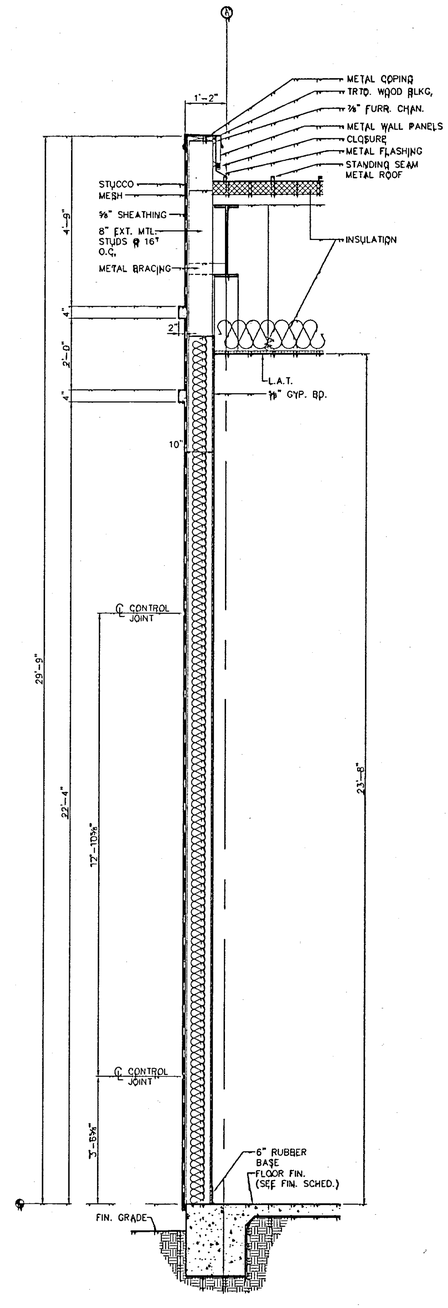
1/A15 WALL SECTION @ REAR CANOPY

SCALE: 3/4" = 1'-0"



2/A15 WALL SECTION @ FRONT CANOPY

SCALE: 3/4" = 1'-0"



3/A15 WALL SECTION

SCALE: 3/8" = 1'-0"

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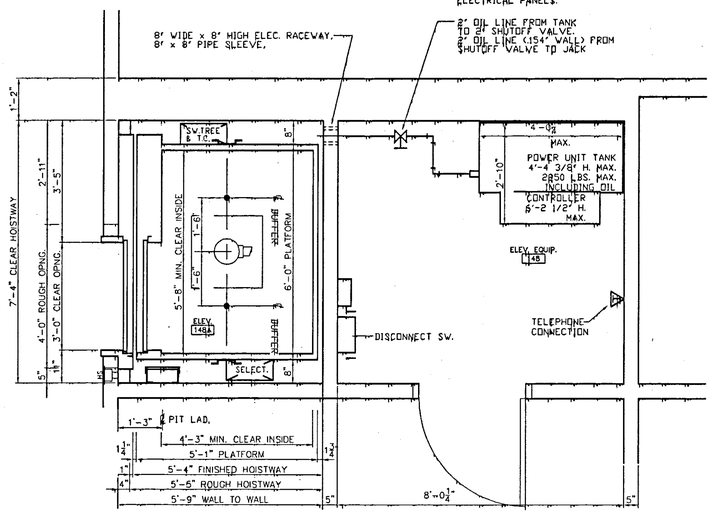
REGISTERED ARCHITECT
STATE OF MISSISSIPPI

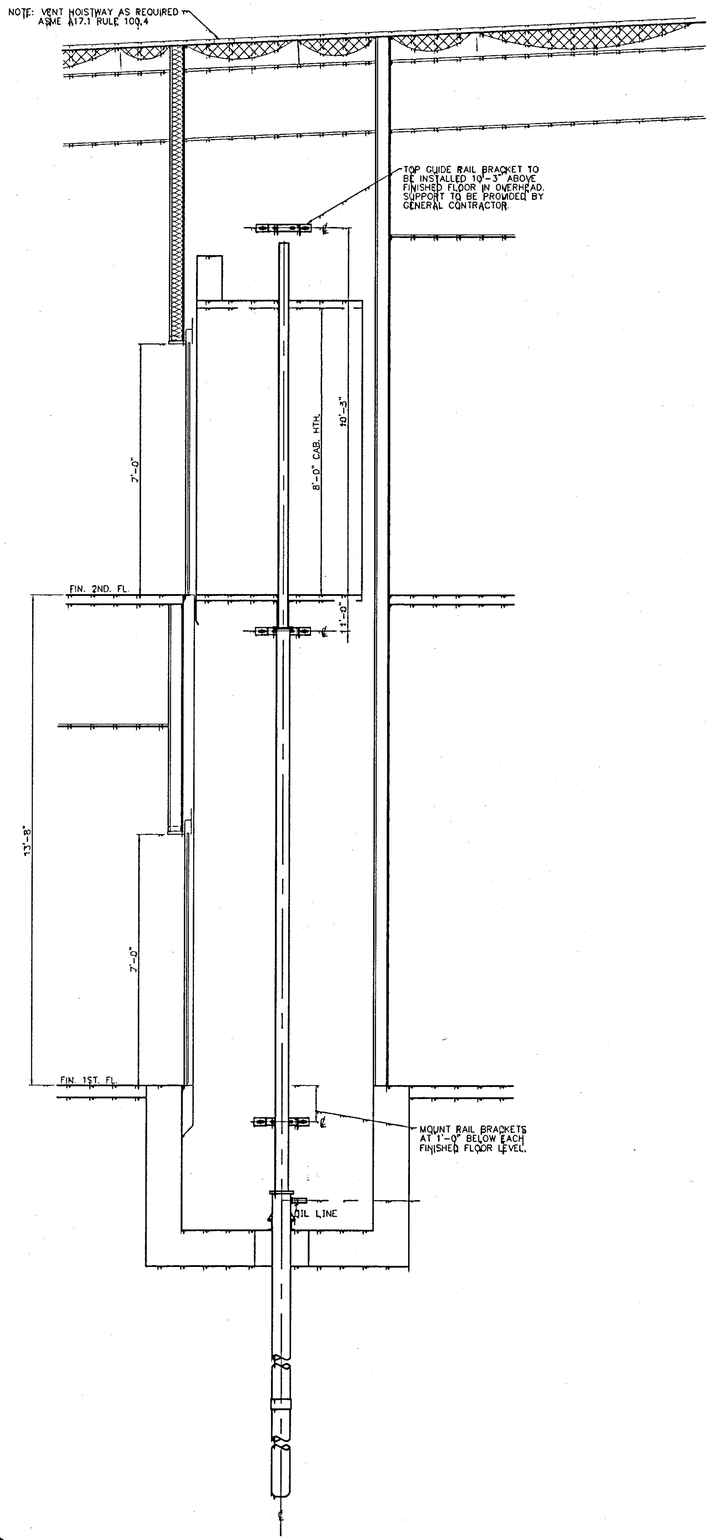
A New Building for
CHURCH OF THE HIGHLANDS
Ridgeland, Mississippi

DRAWN	
CHECKED	
DATE	
SCALE	
JOB NO.	
SHEET	A15
OF	SHEETS



1/A16 ENLARGED ELEVATOR & EQUIP. RM. PLAN

SCALE: 1/2" = 1'-0"



2/A16 ELEVATOR SECTION

SCALE: 1/2" = 1'-0"

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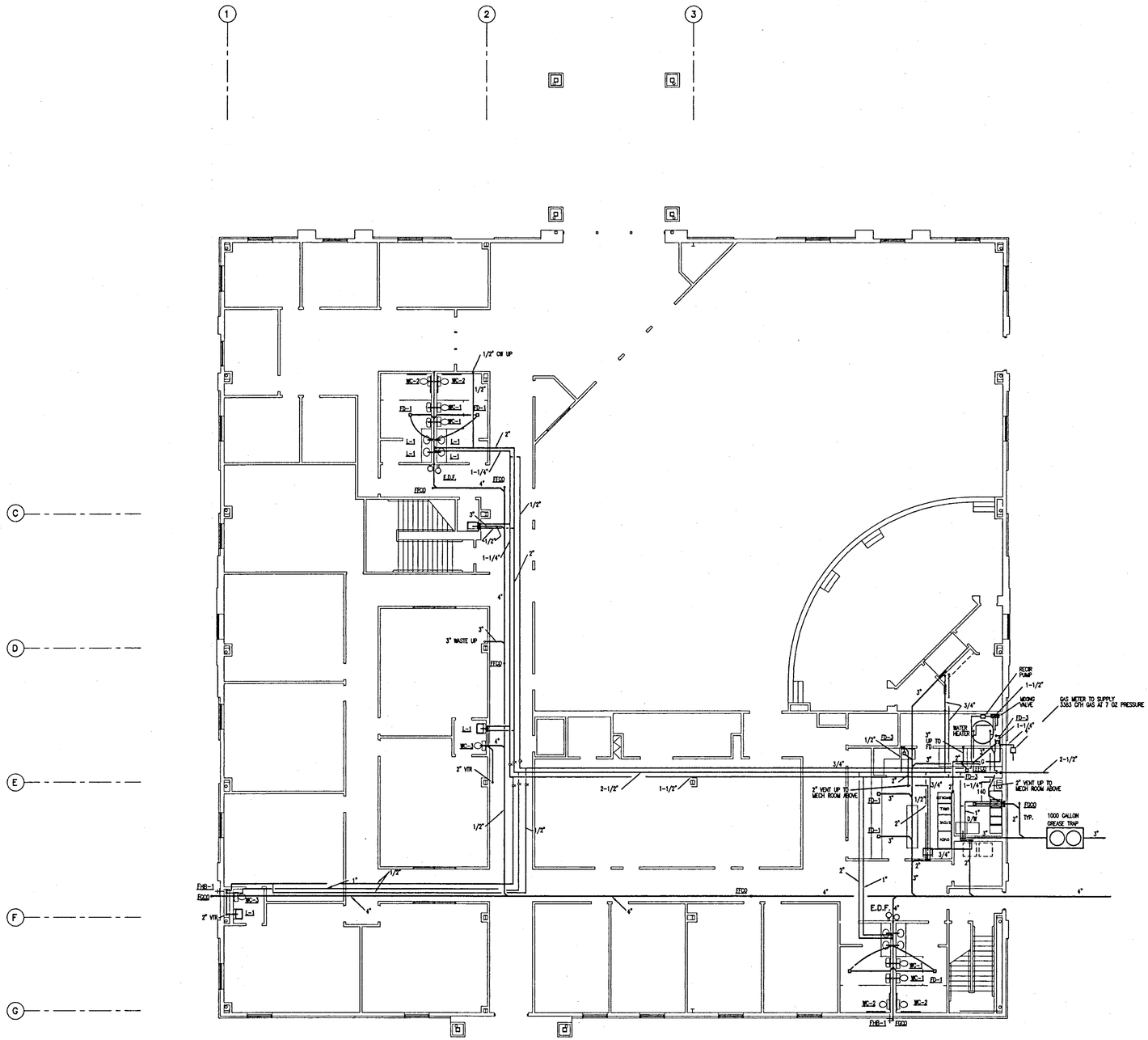
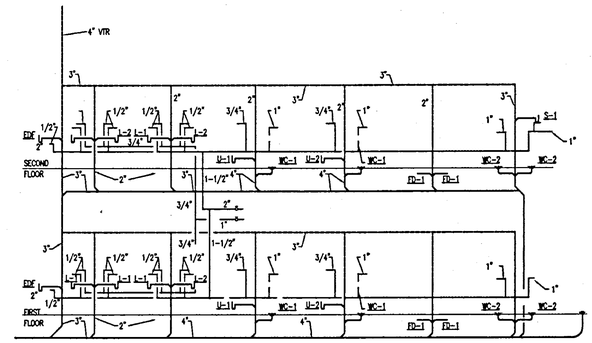
STATE OF MISSISSIPPI

A New Building for
CHURCH OF THE HIGHLANDS
Ridgeland, Mississippi

DRAWN	
CHECKED	
DATE	
SCALE	
JOB NO.	
SHEET	A16
OF	SHEETS



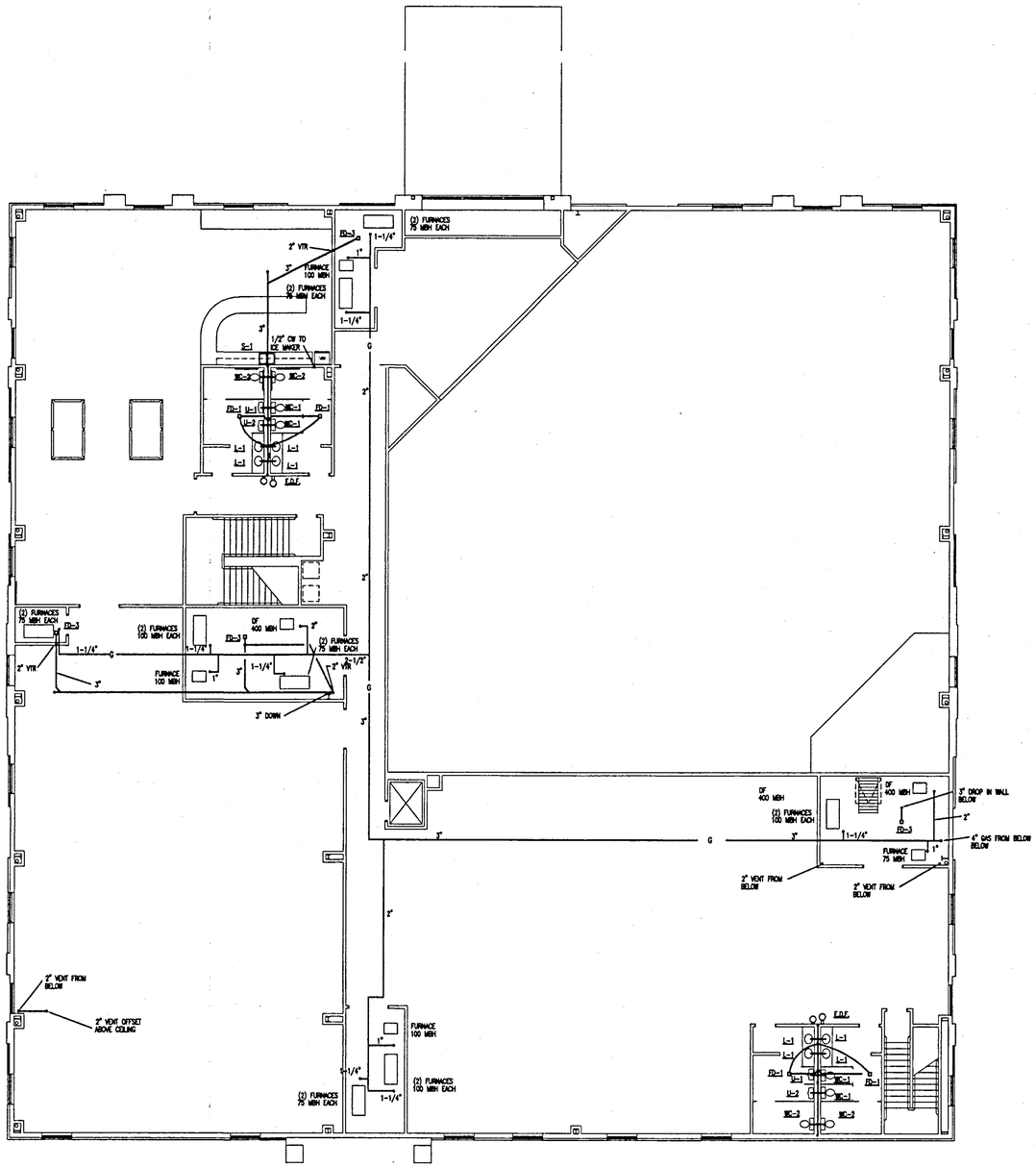


PLUMBING RISER PR/1

ROBERT OTTIS BYRD
REGISTERED PROFESSIONAL ENGINEER
#11703
STATE OF MISSISSIPPI

PLUMBING PLAN FOR
HIGHLAND CHURCH

DATE	DRAWING #
09/20/02	P2.1



WATER SERVICE PIPE

MATERIAL	STANDARD
COPPER OR COPPER-ALLOY PIPE	ASTM B 42; ASTM B 302
COPPER OR COPPER-ALLOY TUBING (TYPE K, WK, L, WL, M, OR WM)	ASTM B 75; ASTM B 88; ASTM B 251; ASTM B 447
DUCTILE IRON WATER PIPE	AWWA C151; AWWA C115
POLYVINYL CHLORIDE (PVC) PLASTIC PIPE	ASTM D 1785; ASTM D2241; ASTM D 2672; CSA CAN/CSA-B137.3

WATER SERVICE PIPE FITTINGS

MATERIAL	STANDARD
COPPER OR COPPER-ALLOY PIPE	ASME B16.15; ASME B16.18; ASME B16.22; ASME B16.23; ASME B16.26; ASME B16.29; ASME B16.32
GRAY IRON AND DUCTILE IRON	AWWA C110; AWWA C153
POLYVINYL CHLORIDE (PVC) PLASTIC PIPE	ASTM D 2464; ASTM D 2466; ASTM D 2467; CSA CAN/CSA-B137.2

WATER DISTRIBUTION PIPE

MATERIAL	STANDARD
COPPER OR COPPER-ALLOY TUBING (TYPE K, WK, L, WL, M, OR WM)	ASTM B 75; ASTM B 88; ASTM B 251; ASTM B 447

WATER DISTRIBUTION PIPE FITTINGS

MATERIAL	STANDARD
COPPER OR COPPER-ALLOY PIPE	ASME B16.15; ASME B16.18; ASME B16.22; ASME B16.23; ASME B16.26; ASME B16.29; ASME B16.32

BUILDING SEWER PIPE (BELOW GROUND)

MATERIAL	STANDARD
CAST-IRON PIPE	ASTM A 74; ASTM A 888; CISPI 301
POLYVINYL CHLORIDE (PVC) PLASTIC PIPE (TYPE DWV, SDR26, SDR35, SDR41, PS50 OR PS100)	ASTM D 2665; ASTM D 2949; ASTM D 3034; ASTM F 891; CSA B182.2; CSA CAN/CSA-B182.4

BUILDING SEWER PIPE FITTINGS (BELOW GROUND)

MATERIAL	STANDARD
CAST IRON	ASME B 16.4; ASME B 16.12; ASTM A 74; ASTM A 888; CISPI 301
POLYVINYL CHLORIDE (PVC) PLASTIC	ASTM D 3311; ASTM D 2665

DRAINAGE AND VENT PIPE (ABOVE-GROUND)

	STANDARD
CAST-IRON PIPE	ASTM A 74; ASTM A 888; CISPI 301

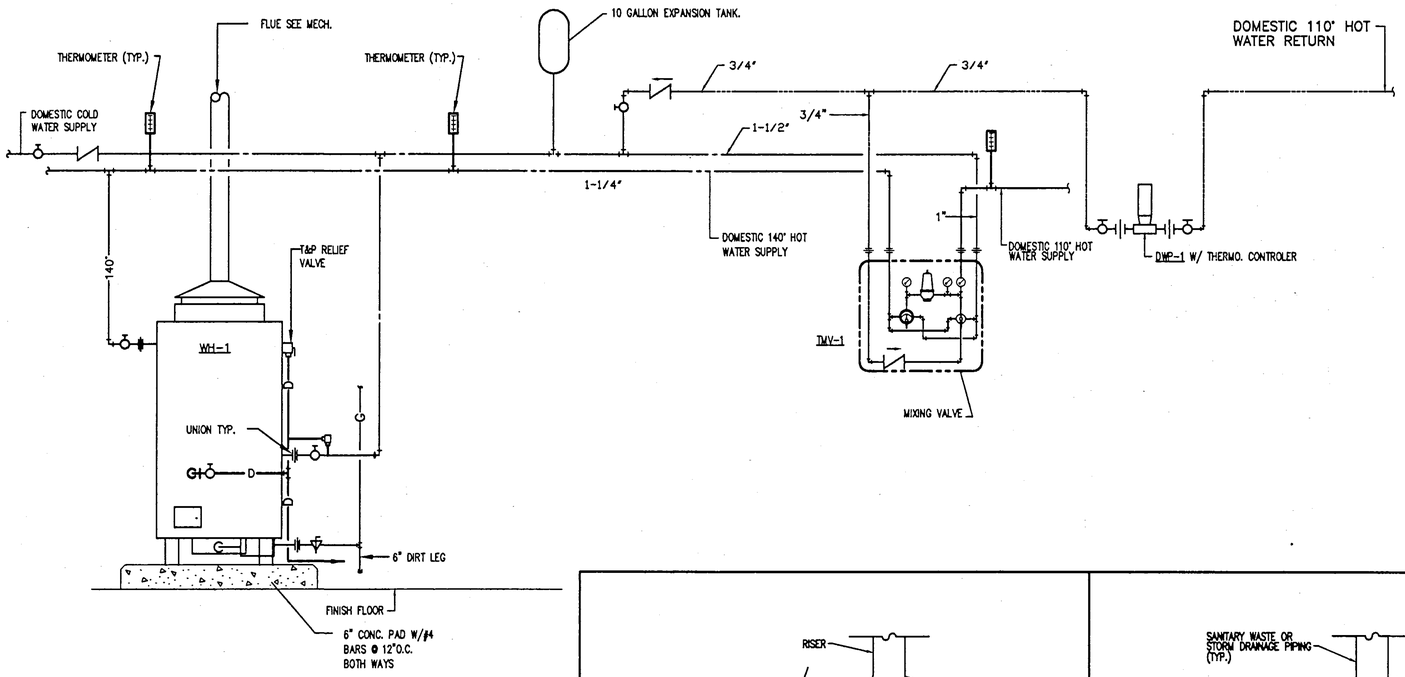
DRAINAGE AND VENT PIPE FITTINGS (ABOVE-GROUND)

MATERIAL	STANDARD
CAST-IRON PIPE	ASTM A 888; CISPI 301

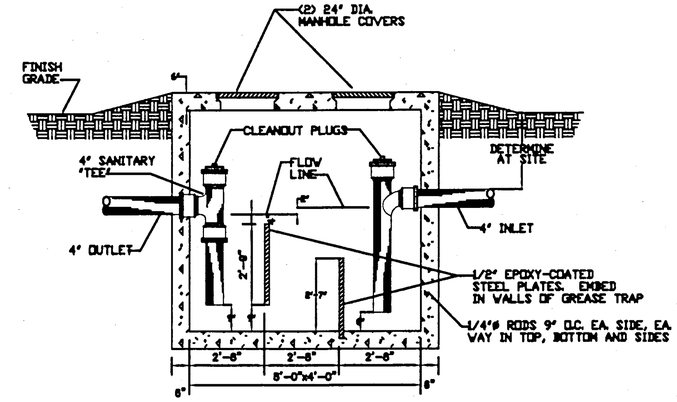
ROBERT CURTIS BYRD
REGISTERED PROFESSIONAL ENGINEER
#11703
STATE OF MISSISSIPPI

PLUMBING PLAN FOR HIGHLAND CHURCH

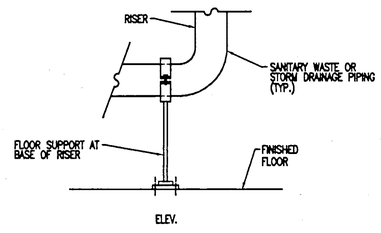
DATE	DRAWING #
09/20/02	P2.2



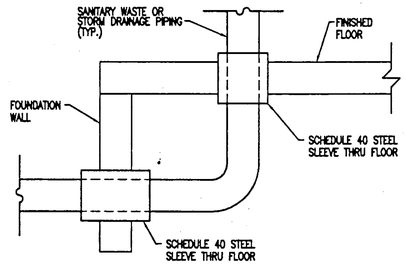
WATER HEATER DETAIL
NO SCALE



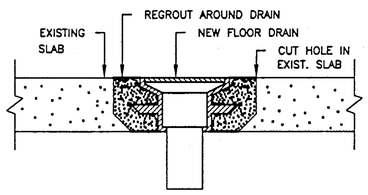
GREASE TRAP DETAIL
NOT TO SCALE



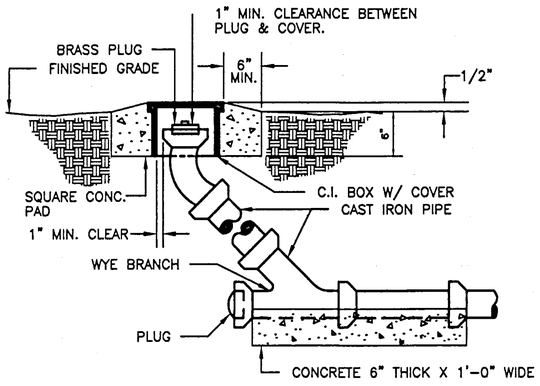
PIPE FLOOR SUPPORT AT BASE OF RISER DETAIL
NO SCALE



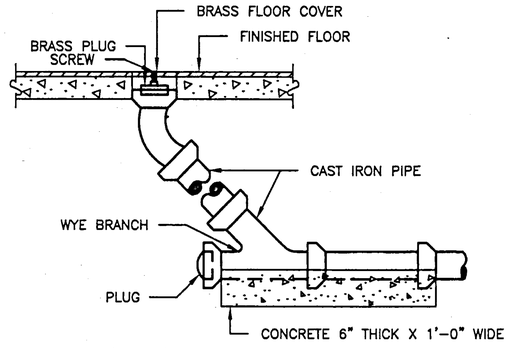
PIPE SLEEVE THRU FLOOR DETAIL
NO SCALE



FLOOR DRAIN DETAIL
NO SCALE



FLUSH GRADE CLEANOUT
NO SCALE

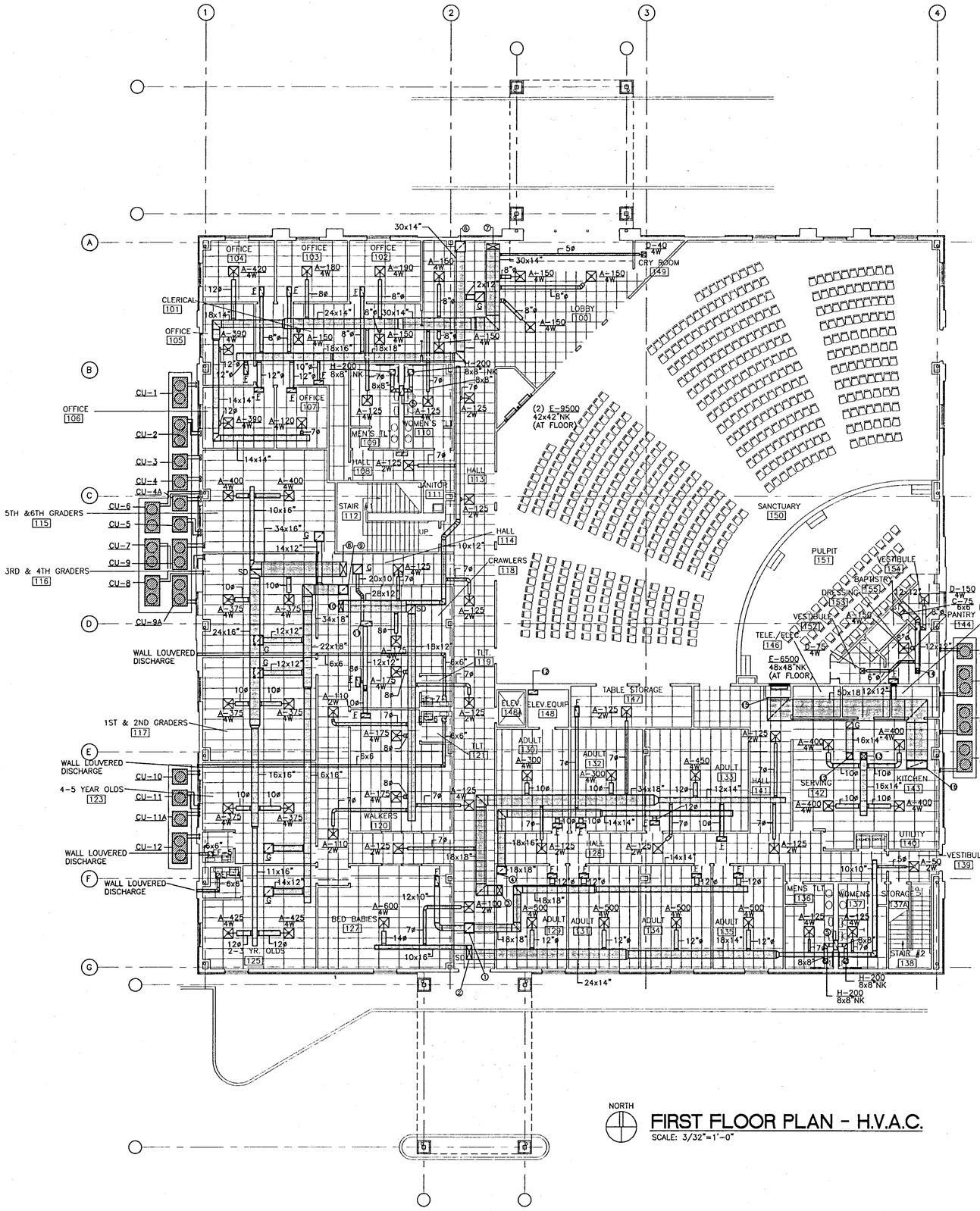


FINISHED FLOOR CLEANOUT
NO SCALE

ROBERT OTTIS BYRD REGISTERED PROFESSIONAL ENGINEER #11703 STATE OF MISSISSIPPI

PLUMBING PLAN FOR HIGHLAND CHURCH

DATE	DRAWING #
09/20/02	P3.1



FIRST FLOOR PLAN - H.V.A.C.

SCALE: 3/32"=1'-0"

H.V.A.C. NOTES

① INDICATES 22x18" R.A. DUCT UP TO SECOND FLOOR. PROVIDE FIRE DAMPER AT FLOOR PENETRATION.

② INDICATES 34x16" S.A. DUCT DN. FROM SECOND FLOOR. PROVIDE FIRE DAMPER AT FLOOR PENETRATION.

③ INDICATES 18x18" S.A. DUCT DN. FROM SECOND FLOOR. PROVIDE FIRE DAMPER AT FLOOR PENETRATION.

④ INDICATES 18x18" R.A. DUCT UP TO SECOND FLOOR. PROVIDE FIRE DAMPER AT FLOOR PENETRATION.

⑤ INDICATES 10x10" EXH. DUCT UP TO SECOND FLOOR. PROVIDE FIRE DAMPER AT FLOOR PENETRATION.

⑥ INDICATES 30x14" S.A. DUCT DOWN FROM SECOND PROVIDE FIRE DAMPER AT FLOOR PENETRATION.

⑦ INDICATES 30x14" R.A. DUCT UP TO SECOND FLOOR PROVIDE FIRE DAMPER AT FLOOR PENETRATION.

⑧ INDICATES 34x16" S.A. DUCT DOWN FROM SECOND FLOOR. PROVIDE FIRE DAMPER AT FLOOR PENETRATION.

⑨ INDICATES 34x16" R.A. DUCT UP TO SECOND FLOOR. PROVIDE FIRE DAMPER AT FLOOR PENETRATION.

⑩ INDICATES 28x12" S.A. DUCT DOWN FROM SECOND FLOOR. PROVIDE FIRE DAMPER AT FLOOR PENETRATION.

⑪ INDICATES 18x18" R.A. DUCT UP TO SECOND FLOOR. PROVIDE FIRE DAMPER AT FLOOR PENETRATION.

⑫ INDICATES 16x14" R.A. DUCT UP TO SECOND FLOOR. PROVIDE FIRE DAMPER AT FLOOR PENETRATION.

⑬ INDICATES 16x14" S.A. DUCT DOWN FROM SECOND FLOOR. PROVIDE FIRE DAMPER AT FLOOR PENETRATION.

⑭ INDICATES 12x12" S.A. DUCT DOWN FROM SECOND FLOOR.

⑮ INDICATES 50x18" R.A. DUCT TO BE STUBBED INTO R.A. PLENUM. SEAL PENETRATION AIR TIGHT.

⑯ INDICATES 50x18" R.A. DUCT UP TO SECOND FLOOR. PROVIDE FIRE DAMPER AT FLOOR PENETRATION

⑰ INDICATES 8x8" EXH. AIR DUCT UP TO 2nd FLOOR PROVIDE FIRE DAMPER AT FLOOR PENETRATION.

SIZING SCHEDULE	
DIFFUSER	
CFM	NECK SIZE (LOUVER FACE)
0-150	6x6"
151-300	9x9"
301-600	12x12"
600-1100	15x15"

Fire Damper with a min. 1.5 hr. Fire resistance

NO.	REVISIONS	DATE

Scott C. Woods and Associates
SCWA Mechanical Engineers
112 Lone Wolf Dr./Madison, Ms 39110
Ph. (601)859-9864/Fax (601)859-2564/Email scweng@aol.com

PROJECT

CHURCH OF THE THE HIGHLANDS

NEW BUILDING

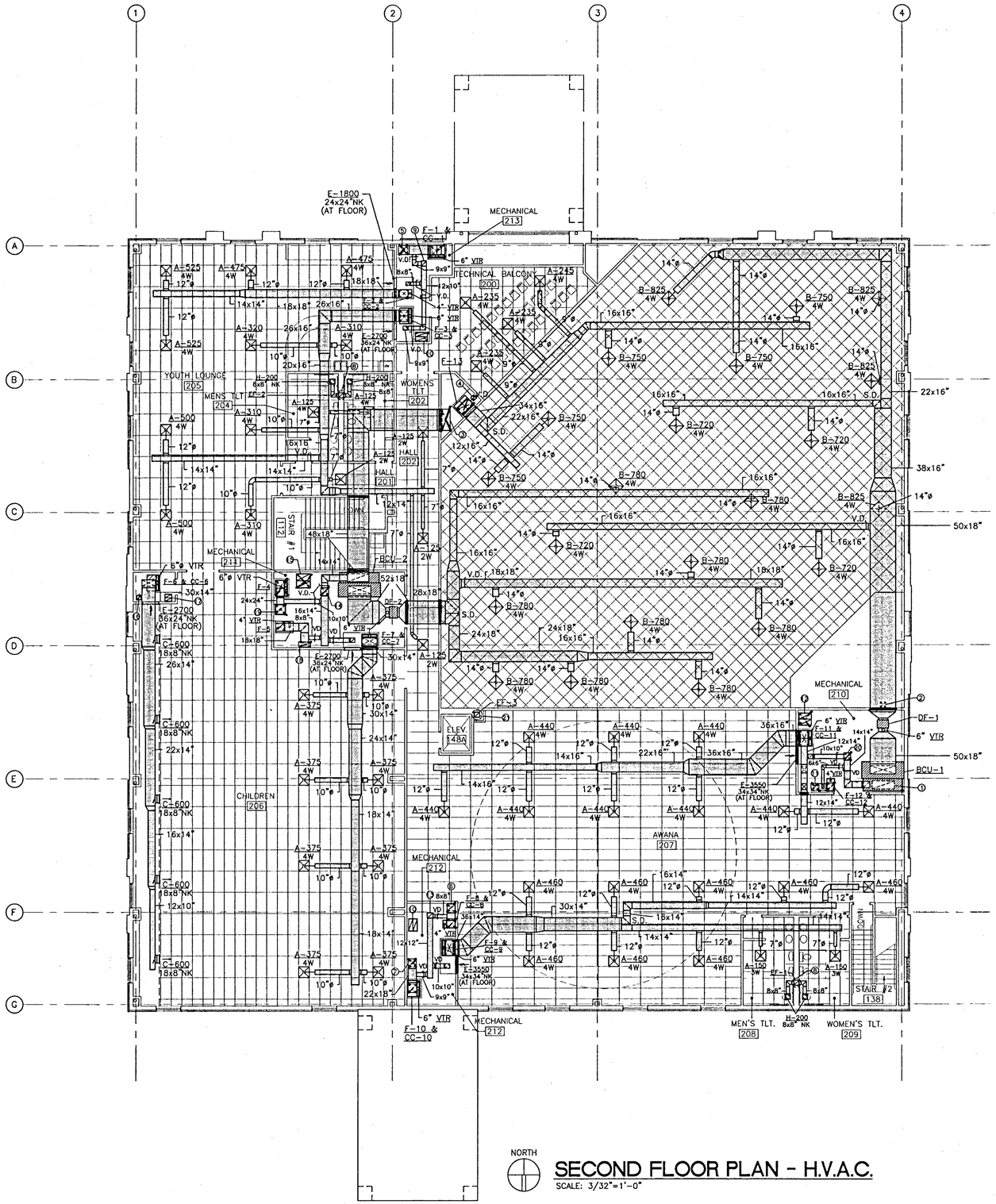
RIDGELAND, MISSISSIPPI

SHEET TITLE

FIRST FLOOR PLAN
H.V.A.C.

SEAL — SCOTT CORLEY WOODS, REGISTERED PROFESSIONAL ENGINEER, STATE OF MISSISSIPPI

PROJECT NO.	SHEET NUMBER
01072	M1
DATE: 07/13/01	
DRAWN: CSH	
CHECKED: GDT	OF 5



NORTH

SECOND FLOOR PLAN - H.V.A.C.

SCALE: 3/32"=1'-0"

SIZING SCHEDULE	
DIFFUSER	
CFM	NECK SIZE (LOUVER FACE)
0-150	6x6"
151-300	9x9"
301-600	12x12"
600-1100	15x15"

H.V.A.C. NOTES:

① INDICATES A 50x18" RA DUCT UP FROM FIRST FLOOR.

② INDICATES A 12x10" SA DUCT DOWN TO FIRST FLOOR. PROVIDE FIRE DAMPER AT FLOOR PENETRATION.

③ INDICATES A 48x18" RA DUCT TO BE STUBBED THROUGH SECOND FLOOR INTO RA PLENUM SPACE BELOW. PROVIDE FIRE DAMPER AT FLOOR PENETRATION.

④ INDICATES A 10x10" OA DUCT UP THROUGH ROOF. TERMINATE WITH PITCHED ROOF INTAKE CAP.

⑤ INDICATES A 22x18" RA DUCT UP FROM FIRST FLOOR.

⑥ INDICATES A 18x16" RA DUCT UP FROM FIRST FLOOR.

⑦ INDICATES A 22x18" RA DUCT UP FROM FIRST FLOOR.

⑧ INDICATES A 12x12" EXHAUST DUCT UP THROUGH ROOF TO EF-1 AND A 10x10" EXHAUST DUCT DOWN TO FIRST FLOOR. PROVIDE FIRE DAMPER AT FLOOR PENETRATION.

⑨ INDICATES A 12x12" OA DUCT UP THROUGH ROOF. TERMINATE WITH PITCHED ROOF CAP.

⑩ INDICATES A 28x20" COMBUSTION AIR DUCT UP THROUGH ROOF. TERMINATE WITH PITCHED ROOF INTAKE CAP. TERMINATE ONE 14x10" PORTION 12" BELOW CEILING STRUCTURE AND THE OTHER 14x10" PORTION 12" ABOVE FINISH FLOOR.

⑪ INDICATES A 16x14" RA DUCT UP FROM FIRST FLOOR.

⑫ INDICATES A 28x28" COMBUSTION AIR DUCT UP THROUGH ROOF. TERMINATE WITH PITCHED ROOF CAP. TERMINATE ONE 14x14" PORTION 12" BELOW CEILING STRUCTURE AND THE OTHER 14x14" PORTION 12" ABOVE FINISH FLOOR.

⑬ INDICATES A 14x12" OA DUCT UP THROUGH ROOF. TEMINATE WITH PITCHED ROOF INTAKE CAP.

⑭ INDICATES A 18x18" OA DUCT UP THROUGH ROOF. TERMINATE WITH A PITCHED ROOF INTAKE CAP.

⑮ INDICATES A 32x32" COMBUSTION AIR DUCT UP THROUGH ROOF. TERMINATE WITH A PITCHED ROOF INTAKE CAP. TERMINATE ONE 16x16" PORTION 12" BELOW CEILING STRUCTURE AND THE OTHER 16x16" PORTION 12" ABOVE FINISH FLOOR.

⑯ INDICATES A 10x10" OA DUCT UP THROUGH ROOF. TERMINATE WITH A PITCHED ROOF INTAKE CAP.

⑰ INDICATES A 16x16" COMBUSTION AIR DUCT UP THROUGH ROOF. TERMINATE WITH A PITCHED ROOF INTAKE CAP. TERMINATE ONE 8x8" PORTION 12" BELOW CEILING STRUCTURE AND THE OTHER 8x8" PORTION 12" BELOW FINISH FLOOR.

⑱ INDICATES A 18x18" RA DUCT UP FROM FIRST FLOOR.

⑲ INDICATES A 34x16" RA DUCT UP FROM FIRST FLOOR, TRANSITION TO 24x24" IN VERT.

⑳ INDICATES A 16x16" OA DUCT UP THROUGH ROOF. TERMINATE WITH A PITCHED ROOF INTAKE CAP.

㉑ INDICATES A 8x8" EXHAUST DUCT UP FROM FIRST FLOOR. EXTEND THROUGH ROOF TO EF-1.

Fire dampers with a Min. 1.5hr. Fire Resistance

NO.	REVISIONS	DATE

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PROJECT

CHURCH OF THE THE HIGHLANDS

NEW BUILDING

RIDGELAND, MISSISSIPPI

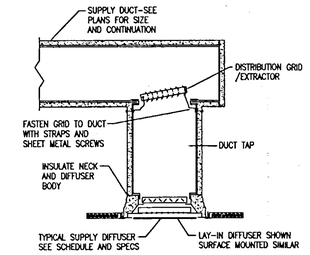
SHEET TITLE

SECOND FLOOR PLAN
H.V.A.C.

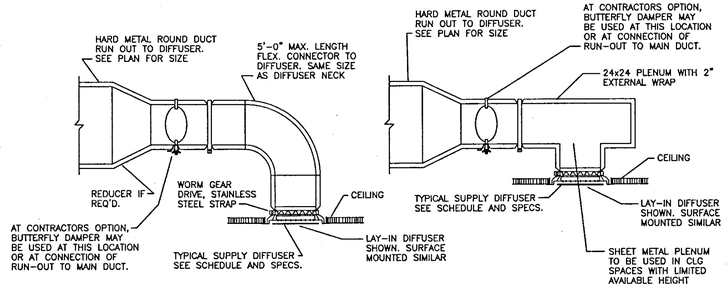
SEAL

CORLEY REGISTERED PROFESSIONAL ENGINEER STATE OF MISSISSIPPI

PROJECT NO.	SHEET NUMBER
01072	M2
DATE 07/13/01	
DRAWN TYJ	
CHECKED GDT	OF 6



TYPICAL DIFFUSER MOUNTING
N.T.S.



TYPICAL DIFFUSER MOUNTING
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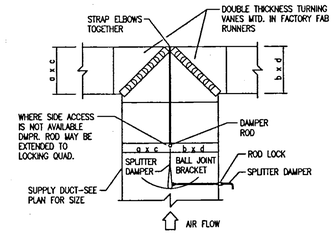

SPLITTER DAMPER DETAIL
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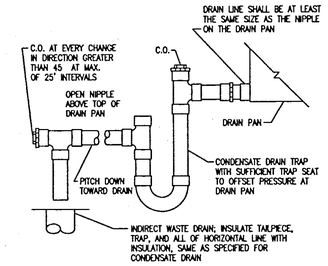
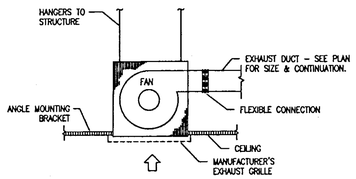
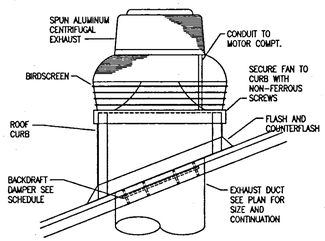


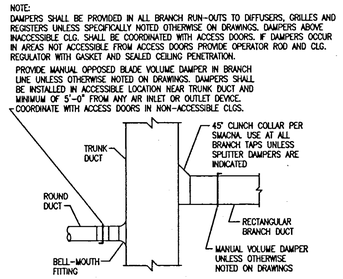
CONDENSATE DRAIN TRAP DETAIL
N.T.S.



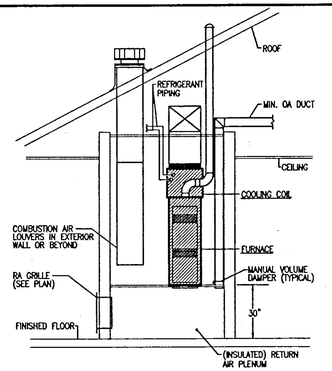
CEILING MOUNTED EXHAUST FAN DETAIL
N.T.S.



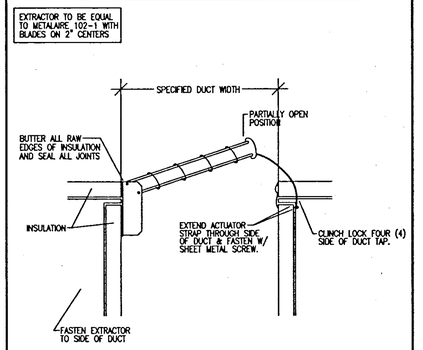
ROOF MTD. FAN DETAIL
N.T.S.



BRANCH DUCT TAP DETAIL
N.T.S.



ELEVATION AT FURNACE
N.T.S.



VOLUME EXTRACTOR
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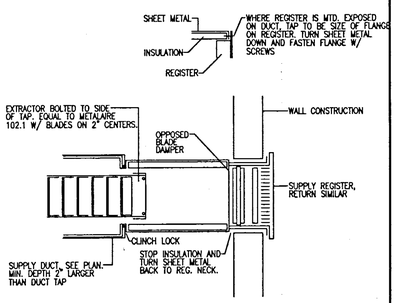

SIDEWALL REGISTER
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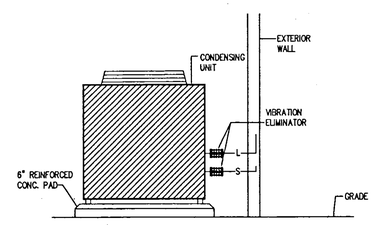
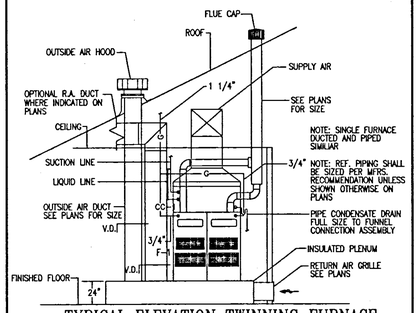
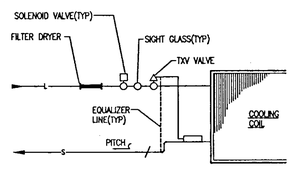


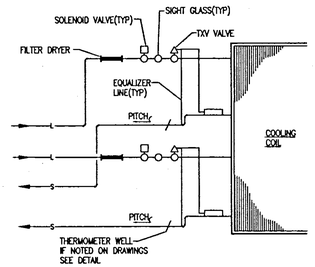
DETAIL AT CONDENSING UNIT
N.T.S.



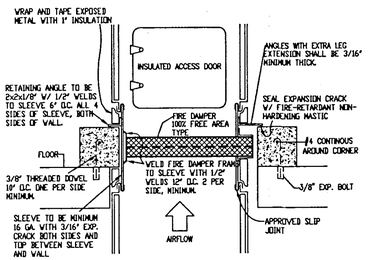
TYPICAL ELEVATION TWINNING FURNACE
N.T.S.



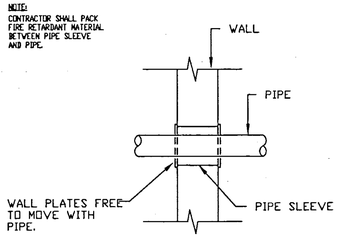
PIPING AT DX COIL
N.T.S.



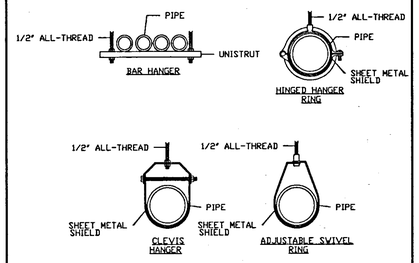
PIPING AT DX COIL
N.T.S.



LOW VELOCITY DUCT-
HORIZONTAL FIRE DAMPER
N.T.S. OPTIONAL MOUNTING



PIPE SLEEVE DETAIL
N.T.S.



PIPE HANGER DETAIL
N.T.S.

NO.	REVISIONS	DATE

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PROJECT
CHURCH OF THE THE HIGHLANDS
NEW BUILDING
RIDGELAND, MISSISSIPPI

SHEET TITLE
H.V.A.C. DETAILS

SEAL: SCOTT C. WOODS, CORLEY, REGISTERED PROFESSIONAL ENGINEER, 11291, STATE OF MISSISSIPPI

PROJECT NO.	SHEET NUMBER
01072	M3
DATE: 07/13/01	
DRAWN: TYJ	
CHECKED: GDT	OF 5

GAS FURNACE SCHEDULE

MARK	MAKE	MODEL	TYPE	MBH INPUT	MBH OUTPUT	TOTAL CFM	OA CFM	ESP	MOTOR HP	MOTOR VOLTS	MOTOR PHASE	TYPE GAS	VENT SIZE	REMARKS
F-1	GOODMAN	(2)GMP075-4	DOWNFLOW	75.0 EA	60.0 EA	3000	300	.50"	(2)1/2	115	1	NATURAL	4"ø EA	W/ ELECTRONIC INGNITER
F-2	GOODMAN	GMP100-5	UPFLOW	100.0	80.0	2000	200	.50"	3/4	115	1	NATURAL	4"ø	W/ ELECTRONIC INGNITER
F-3	GOODMAN	(2)GMP075-4	UPFLOW	75.0 EA	60.0 EA	3000	300	.50"	(2)1/2	115	1	NATURAL	4"ø EA	W/ ELECTRONIC INGNITER
F-4	GOODMAN	(2)GMP100-5	DOWNFLOW	100 EA	80.0 EA	4000	400	.50"	(2)3/4	115	1	NATURAL	4"ø EA	W/ ELECTRONIC INGNITER
F-5	GOODMAN	GMP100-5	DOWNFLOW	100.0	80.0	2000	200	.50"	3/4	115	1	NATURAL	4"ø	W/ ELECTRONIC INGNITER
F-6	GOODMAN	(2)GMP075-4	UPFLOW	75.0 EA	60.0 EA	3000	300	.50"	(2)1/2	115	1	NATURAL	4"ø EA	W/ ELECTRONIC INGNITER
F-7	GOODMAN	(2)GMP075-4	UPFLOW	75.0 EA	60.0 EA	3000	300	.50"	(2)1/2	115	1	NATURAL	4"ø EA	W/ ELECTRONIC INGNITER
F-8	GOODMAN	GMP100-5	DOWNFLOW	100.0	80.0	2000	200	.50"	3/4	115	1	NATURAL	4"ø	W/ ELECTRONIC INGNITER
F-9	GOODMAN	(2)GMP100-5	UPFLOW	100 EA	80.0 EA	4000	400	.50"	(2)3/4	115	1	NATURAL	4"ø EA	W/ ELECTRONIC INGNITER
F-10	GOODMAN	(2)GMP075-4	DOWNFLOW	75.0 EA	60.0 EA	3000	300	.50"	(2)1/2	115	1	NATURAL	4"ø EA	W/ ELECTRONIC INGNITER
F-11	GOODMAN	(2)GMP100-5	UPFLOW	100 EA	80.0 EA	4000	400	.50"	(2)3/4	115	1	NATURAL	4"ø EA	W/ ELECTRONIC INGNITER
F-12	GOODMAN	GMP075-4	DOWNFLOW	75.0	60.0	1600	160	.50"	1/2	115	1	NATURAL	4"ø	W/ ELECTRONIC INGNITER

ELECTRIC FURNACE SCHEDULE

MARK	MAKE	MODEL	TYPE	TOTAL CFM	OA CFM	ESP	MOTOR HP	MOTOR VOLTS	MOTOR PHASE	REMARKS
F-13	GOODMAN	(2)A60	UPFLOW	4000	400	.50"	3/4	115	1	

COOLING COIL SCHEDULE

LOCATION	MAKE	MODEL	CFM	EA DB	EA WB	TOT MBH	SENS MBH	APD IN WG	REMARKS
CC-1	MAGIC AIRE	VX-7.5	3000	80°	67°	106.0	76.0	.20"	
CC-2	GOODMAN	U-60	2000	80°	67°	55.0	39.6	.20"	
CC-3	MAGIC AIRE	VX-7.5	3000	80°	67°	106.0	76.0	.20"	
CC-4	MAGIC AIRE	VX-10	4000	80°	67°	144.0	103.0	.20"	
CC-5	GOODMAN	U-60	2000	80°	67°	55.0	39.6	.20"	
CC-6	MAGIC AIRE	VX-7.5	3000	80°	67°	106.0	76.0	.20"	
CC-7	MAGIC AIRE	VX-7.5	3000	80°	67°	106.0	76.0	.20"	
CC-8	GOODMAN	U-60	2000	80°	67°	55.0	39.6	.20"	
CC-9	MAGIC AIRE	VX-10	4000	80°	67°	144.0	103.0	.20"	
CC-10	MAGIC AIRE	VX-7.5	3000	80°	67°	106.0	76.0	.20"	
CC-11	MAGIC AIRE	VX-10	4000	80°	67°	144.0	103.0	.20"	
CC-12	GOODMAN	U-49	1600	80°	67°	45.0	34.2	.20"	

BLOWER COIL SCHEDULE

MARK	MAKE	MODEL	TYPE	FAN AND MOTOR CFM	O.A.	ESP	H.P.	V	ø	COOLING TMBH	SMBH	SUCTION	HEATING KW	VOLTS	ø	CONTROL STEPS	REMARKS
BCU-1	MAGIC AIRE	BMX-240	VERTICAL	7500	1000	1.5"	5	208	3	227.5	175.5	45°	---	---	---	---	
BCU-2	MAGIC AIRE	BMX-240	VERTICAL	7000	1100	1.5"	5	208	3	222.0	168.0	45°	---	---	---	---	

CONDENSING UNIT SCHEDULE

MARK	MAKE	MODEL	TYPE	MBH @ ARI	COMPRESSOR AMBIENT	COMPRESSOR NO	COMPRESSOR VOLTS	COMPRESSOR PHASE	COMPRESSOR FLA	CONDENSER FANS NO	CONDENSER FANS HP	CONDENSER FANS VOLTS	CONDENSER FANS PHASE	CONDENSER FANS FLA	MIN. CIRCUIT AMPACITY	MAX FUSE SIZE (AMPS)	REMARKS
CU-1	GOODMAN	CE-90	RECIP	88.0	95°	1	208	3	28.8	2	1/4EA	208	1	1.8 EA	39.6	65	
CU-2	GOODMAN	CE-90	RECIP	88.0	95°	1	208	3	28.8	2	1/4EA	208	1	1.8 EA	39.6	65	
CU-3	GOODMAN	CK-60	RECIP	55.0	95°	1	208	3	15.5	1	1/4	208	1	1.8	21.2	35	
CU-4	GOODMAN	CK-60	RECIP	55.0	95°	1	208	3	15.5	1	1/4	208	1	1.8	21.2	35	
CU-4A	GOODMAN	CK-60	RECIP	55.0	95°	1	208	3	15.5	1	1/4	208	1	1.8	21.2	35	
CU-5	GOODMAN	CK-60	RECIP	55.0	95°	1	208	3	15.5	1	1/4	208	1	1.8	21.2	35	
CU-6	GOODMAN	CE-90	RECIP	88.0	95°	1	208	3	28.8	2	1/4EA	208	1	1.8 EA	39.6	65	
CU-7	GOODMAN	CE-90	RECIP	88.0	95°	1	208	3	28.8	2	1/4EA	208	1	1.8 EA	39.6	65	
CU-8	GOODMAN	CE-120	RECIP	110.0	95°	1	208	3	37.8	2	1/3EA	208	1	2.3 EA	51.9	85	
CU-9	GOODMAN	CE-120	RECIP	110.0	95°	1	208	3	37.8	2	1/3EA	208	1	2.3 EA	51.9	85	
CU-9A	GOODMAN	CE-120	RECIP	110.0	95°	1	208	3	37.8	2	1/3EA	208	1	2.3 EA	51.9	85	
CU-10	GOODMAN	CK-60	RECIP	55.0	95°	1	208	3	15.5	1	1/4	208	1	1.8	21.2	35	
CU-11	GOODMAN	CE-120	RECIP	110.0	95°	1	208	3	37.8	2	1/3EA	208	1	2.3 EA	51.9	85	
CU-12	GOODMAN	CE-90	RECIP	88.0	95°	1	208	3	28.8	2	1/4EA	208	1	1.8 EA	39.6	65	
CU-13	GOODMAN	CE-120	RECIP	110.0	95°	1	208	3	37.8	2	1/3EA	208	1	2.3 EA	51.9	85	
CU-14	GOODMAN	CE-120	RECIP	110.0	95°	1	208	3	37.8	2	1/3EA	208	1	2.3 EA	51.9	85	
CU-14A	GOODMAN	CE-120	RECIP	110.0	95°	1	208	3	37.8	2	1/3EA	208	1	2.3 EA	51.9	85	
CU-15	GOODMAN	CK-49	RECIP	45.0	95°	1	208	3	12.8	1	1/4	208	1	1.8	17.8	30	

Note!
Smoke duct detector shall be
Provided as required

NO.	REVISIONS	DATE

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SCWA Mechanical Engineers
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Ph. (601)859-9864/Fax (601)859-2564/Email scweng@aol.com

PROJECT
CHURCH OF THE THE HIGHLANDS
NEW BUILDING
RIDGELAND, MISSISSIPPI

SHEET TITLE
H.V.A.C. SCHEDULES

SEAL
SCOTT CORLEY WOODS REGISTERED PROFESSIONAL ENGINEER STATE OF MISSISSIPPI

PROJECT NO. 01072
DATE 07/13/01
DRAWN TYJ
CHECKED GDT
SHEET NUMBER M4
OF 5

G:\01072\DRAWINGS\MECH\01072M4.dwg Wed Jul 18 14:19:20 2001

GAS FIRED DUCT HEATER SCHEDULE

LOCATION	MAKE	MODEL	TYPE	CFM	SP	INPUT	OUTPUT	VENT SIZE	REMARKS
DF-1	STERLING	QVED400	DUCT MTD.	7500	.50"	400	320	6"	
DF-2	STERLING	QVED400	DUCT MTD.	7000	.425"	400	320	6"	

FAN SCHEDULE

MARK	MAKE	MODEL	TYPE	CFM	RPM	ESP	WHEEL		DRIVE	SONES	MOTOR			REMARKS
							TYPE	MIN DIA			HP	VOLTS	PHASE	
EF-1	GREENHECK	GB-120	ROOF MOUNTED	800	938	.25"	BI	---	BELT	6.0	1/4	208	3	A, B, C
EF-2	GREENHECK	GB-120	ROOF MOUNTED	800	938	.25"	BI	---	BELT	6.0	1/4	208	3	A, B, C
EF-3	GREENHECK	GB-70	ROOF MOUNTED	200	1247	.25"	BI	---	BELT	6.3	1/6	208	3	A, B, C
EF-4	GREENHECK	SP-7	CEILING MOUNTED	100	950	.125"	FC	---	DIRECT	2.2	1.14 AMP	120	1	
EF-5	GREENHECK	SP-7	CEILING MOUNTED	100	950	.125"	FC	---	DIRECT	2.2	1.14 AMP	120	1	
EF-6	GREENHECK	SP-7	CEILING MOUNTED	100	950	.25"	FC	---	DIRECT	2.3	1.14 AMP	120	1	
EF-7	GREENHECK	SP-7	CEILING MOUNTED	100	950	.25"	FC	---	DIRECT	2.3	1.14 AMP	120	1	

GRILLE, REGISTER AND DIFFUSER SCHEDULE

MARK	MAKE	MODEL	TYPE	USE			MTG	PANEL SIZE	NECK SIZE	MAX CFM	MAX PD	DAMPER	FINISH	PATTERN	REMARKS
				S	R	E									
A	PRICE	AMD	LOUVER FACE	X			LAY-IN	24x24"	SEE PLAN	SEE PLAN	.07"	OBD	OFF WHITE	SEE PLAN	
B	PRICE	AMDA	LOUVER FACE	X			LAY-IN	24x24"	SEE PLAN	SEE PLAN	.07"	OBD	OFF WHITE	SEE PLAN	
C	PRICE	620	DOUBLE DEFLECTION	X			SIDEWALL	MFGR'S STANDARD	SEE PLAN	SEE PLAN	.07"	OBD	ALUM. ENAMEL	FULLY ADJ.	
D	PRICE	AMD	LOUVER FACE	X			SURFACE	MFGR'S STANDARD	SEE PLAN	SEE PLAN	.07"	OBD	OFF WHITE	SEE PLAN	
E	PRICE	630	FIXED BLADE		X		SURFACE	MFGR'S STANDARD	SEE PLAN	SEE PLAN	.05"	---	ALUM. ENAMEL	45° BLADES	
F	PRICE	APDDR	PERF. FACE		X		LAY-IN	24x12"	22x10"	610	.05"	---	OFF WHITE	---	
G	PRICE	APDDR	PERF. FACE		X		LAY-IN	24x24"	22x22"	1350	.05"	---	OFF WHITE	---	
H	PRICE	APDDR	PERF. FACE			X	SURFACE	MFGR'S STANDARD	SEE PLAN	SEE PLAN	.05"	---	OFF WHITE	---	

Note!
Duct smoke detectors
shall be provided as
required.

NO.	REVISIONS	DATE

Scott C. Woods and Associates
SCWA Mechanical Engineers
112 Lone Wolf Dr./Madison, Ms 39110
Ph. (601)859-9864/Fax (601)859-2564/Email scweng@aol.com

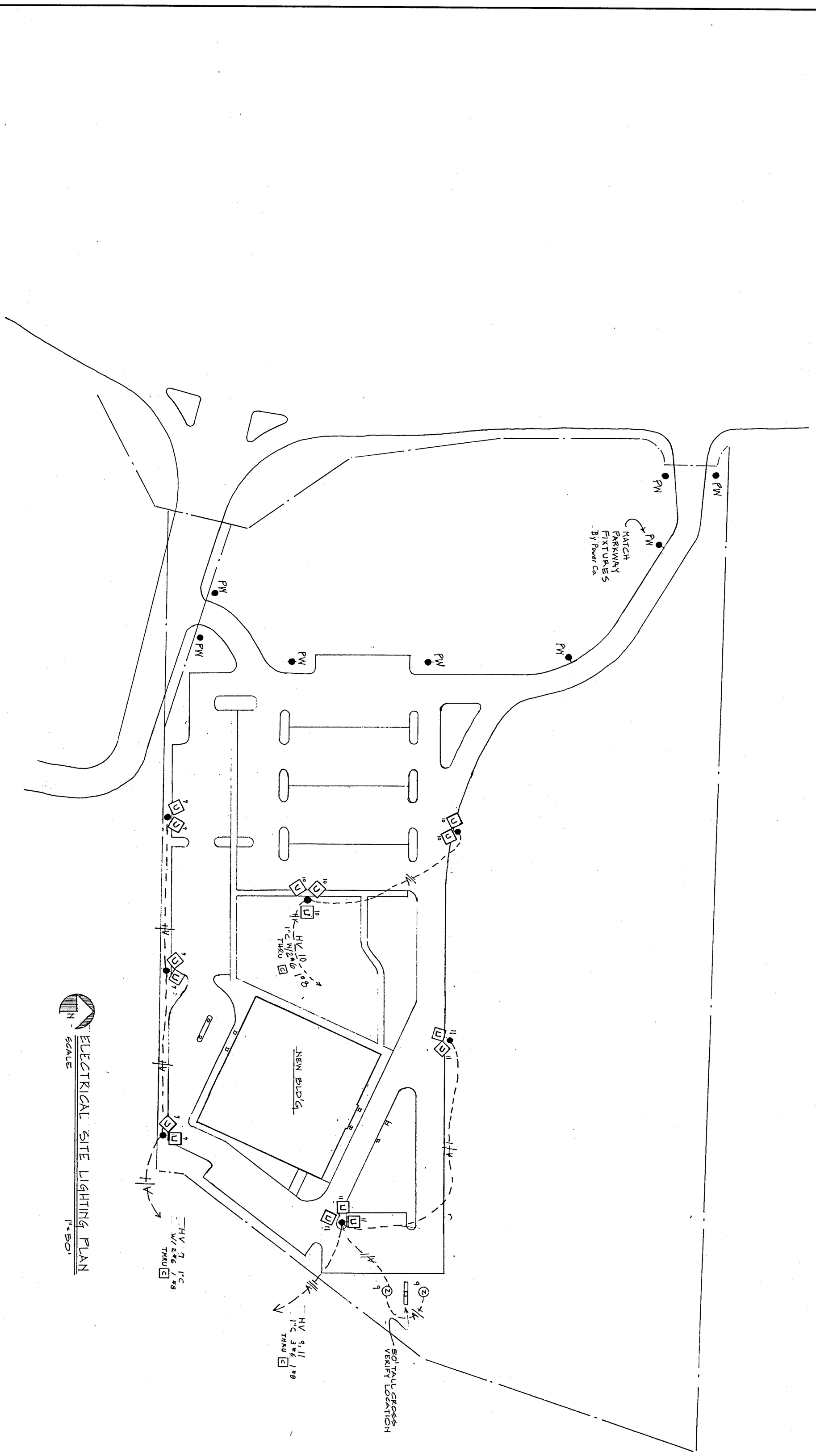
PROJECT
CHURCH OF THE
THE HIGHLANDS
NEW BUILDING
RIDGELAND, MISSISSIPPI

SHEET TITLE
H.V.A.C. SCHEDULES

SEAL
SCOTT CORLEY WOODS
REGISTERED PROFESSIONAL
ENGINEER
12784
STATE OF MISSISSIPPI

PROJECT NO. 01072
DATE 07/13/01
DRAWN TYJ
CHECKED GDT

SHEET NUMBER
M5
OF 5



ELECTRICAL SITE LIGHTING PLAN

PROJECT NO:

A NEW BUILDING FOR CHURCH OF THE HIGHLANDS

RIDGELAND, MISSISSIPPI

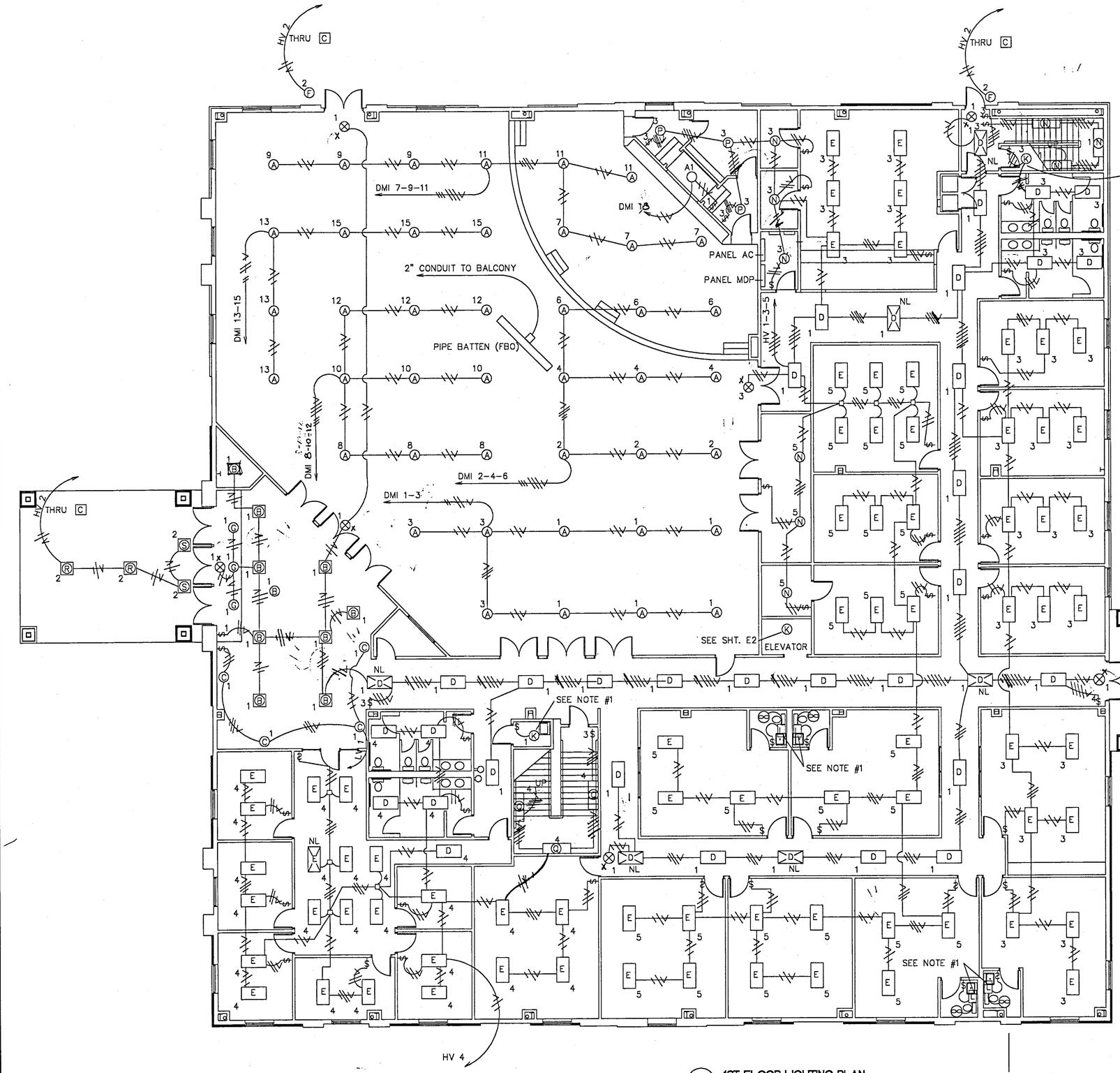
PROJECT NAME: Letflle DATE: 12/1/2001 DESIGN: DRAWN: clk CHECKED: REVISED: 3 JUNE 2002

JOHNY E. PURVIS REGISTERED PROFESSIONAL ENGINEER No. 012443 STATE OF MISSISTIPPI 12/1/01

GULF STATES ELECTRIC

P.O. BOX 2034, RIDGELAND, MS. 39158
601-957-7493

SHEET E-1 OF 6



1ST FLOOR LIGHTING PLAN

1/8" = 1'-0"

NOTE #1: SEE POWER DRAWING FOR CIRCUITRY

FIXTURE SCHEDULE

SYM	VOLT	LAMP	MFG	CATALOG #	MOUNTING	NOTE
A	120	500/EYX	Lithonia	EQ5MBP3	Recess	
A1		250/ESM		EQ5MBP2		
B	277	2-CF26TRT		AF2/26TRT10AR 277GEB		
C	120	1-60A	DM Lighting	4351 Wall Sconce	Wall	60"
D	277	2-F032	Lithonia	2GT8232 A12277GEB PWS1836LP735	Lay in	
E		4-F032		2GT8432 A12277/4GEB PWS1836LP735		
F		1-CF26DD		TWL 26 DTT 277 GEB	Wall	84"
G		1-F032	SPI	EXI 4813-277-WHT (Indirect)		144"
H	120	1-100A/SL	Baselite	W514 / 49	Cord Pendant	72"
K		1-100A	Canlet	GC1F15G - GSC	Surface/ Ceiling	
L		2-F017	Lithonia	WC217 120GEB		
M						
N	277	2-F032	Lithonia	C232 277 GEB	Surface	
P				SB232 277GEB used in vestibule		
Q				WC232A12 277GEBEL	Wall	#1
R		1-M100/U/MED		AH100M 9AR 277	Recess	
S		1-M50/U/MED		AH50M 7AR 277		
T		2-F096		L296 T8 277GEB	Surface	
U		~~2-M1000U-1000 WATT~~		~~KVE31000M-SYM 277 SPV12~~	Pole-35'	~~#2~~ FLOOD
V		1-M1000U		KVE31000M ASYM 277 SPV12		#3
W		2-M1000U		KVE31000M ASYM 277 SPV12		#2
X		LED		LHQMSW1R 120/277 (Combo)	Ceiling	
Y		LED		LQMSW3R 120/277 ELN		
Z		1M400/U		TV 400M GP3 277		#4
AA		1-CF/8DD G249-2	Canlet	BFWR18H277-D-GSC		

NOTES:

1) Battery to be fed with un-switched hot conductor.
2) Pole – 35' Valmont-DS330-600W350-D2DB
3) Pole – 35' Valmont-DS330-600W350-D1-DB
4) Ground Mtd – Aim up ± 10°

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12/10/01

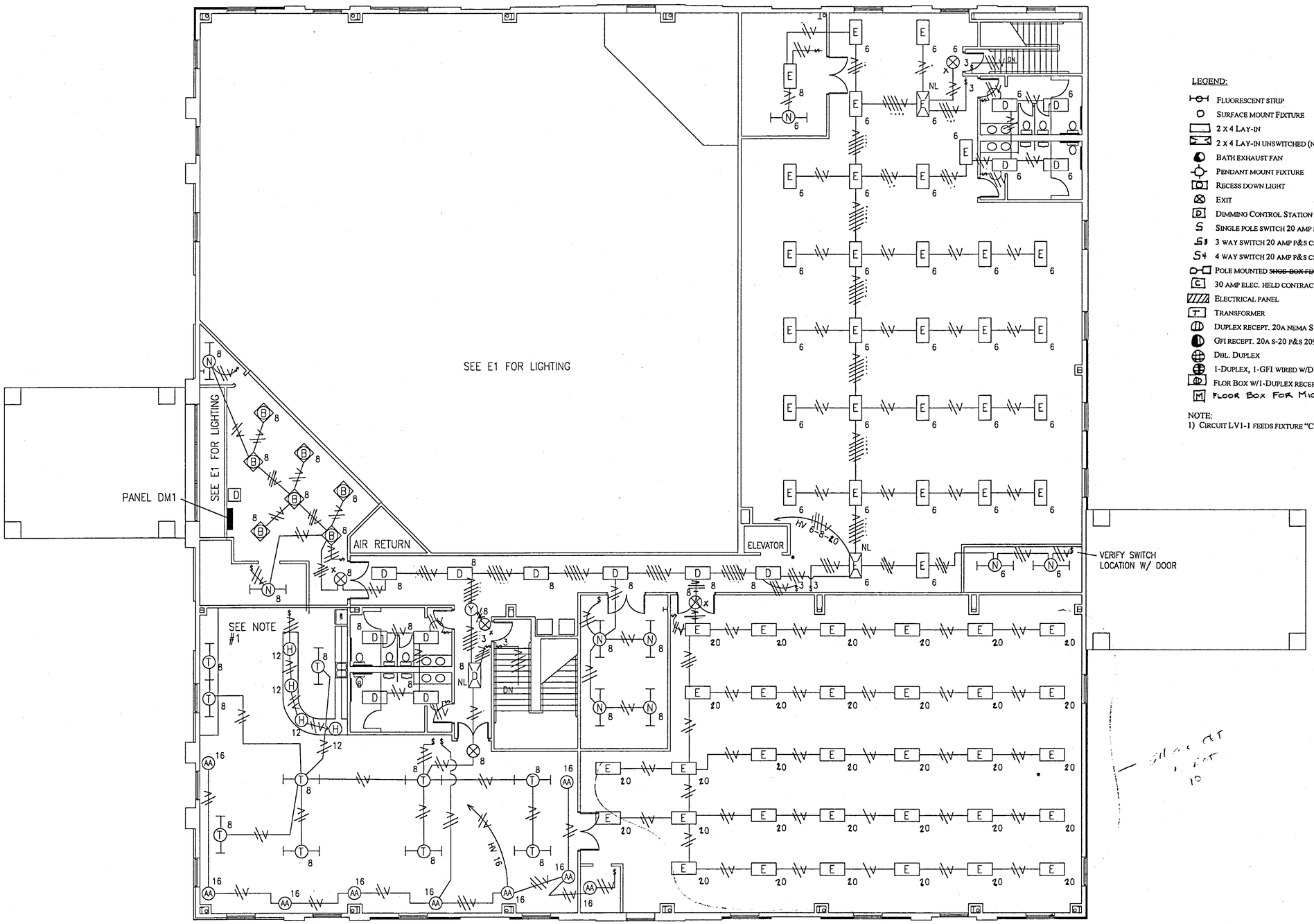
REVISED

A NEW BUILDING FOR CHURCH OF THIE HIGHLANDS

RIDGELAND, MISSISSIPPI

PROJECT NO: PROJECT NAME: Smith DATE: 12/7/2001 DESIGN: DRAWN: sh CHECKED:

SHEET E-2 OF 6



1/2 2ND FLOOR LIGHTING PLAN
1/8" = 1'-0"

NOTE #1: SEE POWER DRAWING FOR CIRCUITRY

LEGEND:

- FLUORESCENT STRIP
- SURFACE MOUNT FIXTURE
- 2 X 4 LAY-IN
- 2 X 4 LAY-IN UNSWITCHED (NIGHT LIGHT)
- BATH EXHAUST FAN
- PENDANT MOUNT FIXTURE
- RECESS DOWN LIGHT
- EXIT
- DIMMING CONTROL STATION
- SINGLE POLE SWITCH 20 AMP P7S CS1201
- 3 WAY SWITCH 20 AMP P&S CS3201
- 4 WAY SWITCH 20 AMP P&S CS4201
- POLE MOUNTED ~~SHOE BOX FIXTURE~~ FLOOD LIGHT
- 30 AMP ELEC. HELD CONTRACTOR
- ELECTRICAL PANEL
- TRANSFORMER
- DUPLEX RECEPT. 20A NEMA S-20 P&S CR201
- GFI RECEPT. 20A S-20 P&S 20911
- DBL. DUPLEX
- 1-DUPLEX, 1-GFI WIRED W/DUPLEX ON LOAD SIDE OF GFI
- FLOR BOX W/1-DUPLEX RECEPT. 641 & P64CPDU
- FLOOR BOX FOR MICROPHONE

NOTE:
1) CIRCUIT LV1-1 FEEDS FIXTURE "C" IN LOBBY AREA ALSO.

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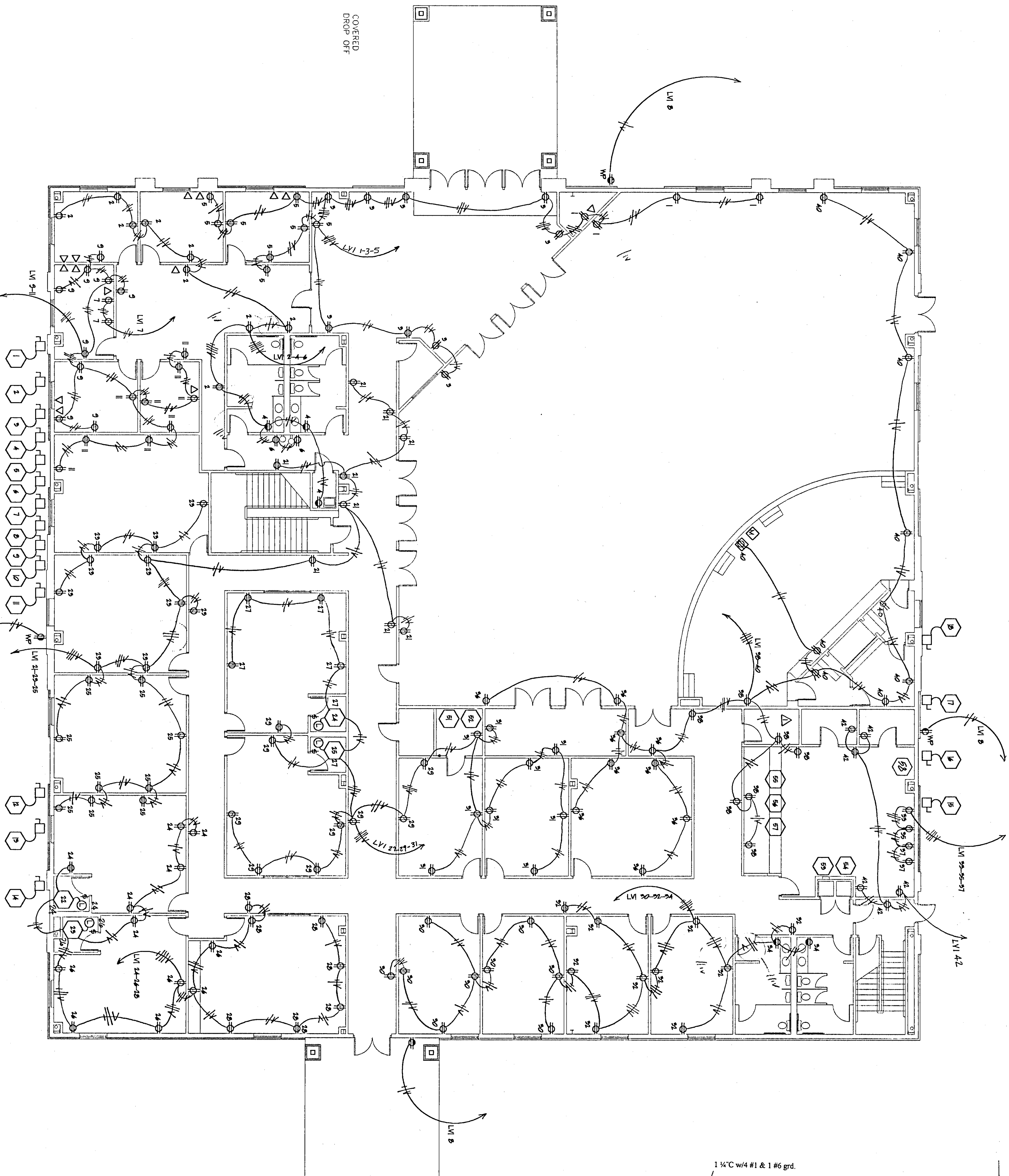
601-957-7493

A NEW BUILDING FOR
CHURCH OF THE HIGHLANDS
RIDGELAND, MISSISSIPPI

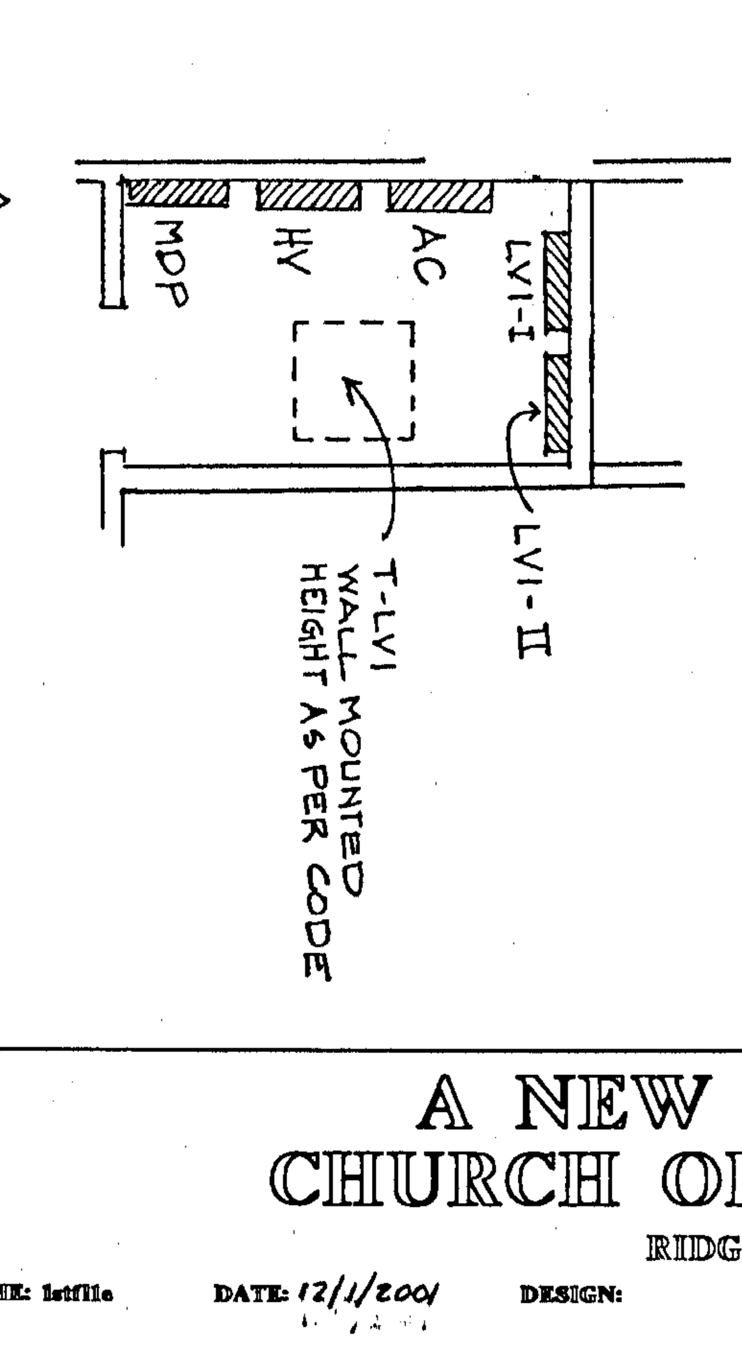
PROJECT NO:
PROJECT NAME: Smith
DATE: 12/5/2001
DESIGN:
DRAWN: ab
CHECKED:
REVISED

SHEET
E-3
OF 6

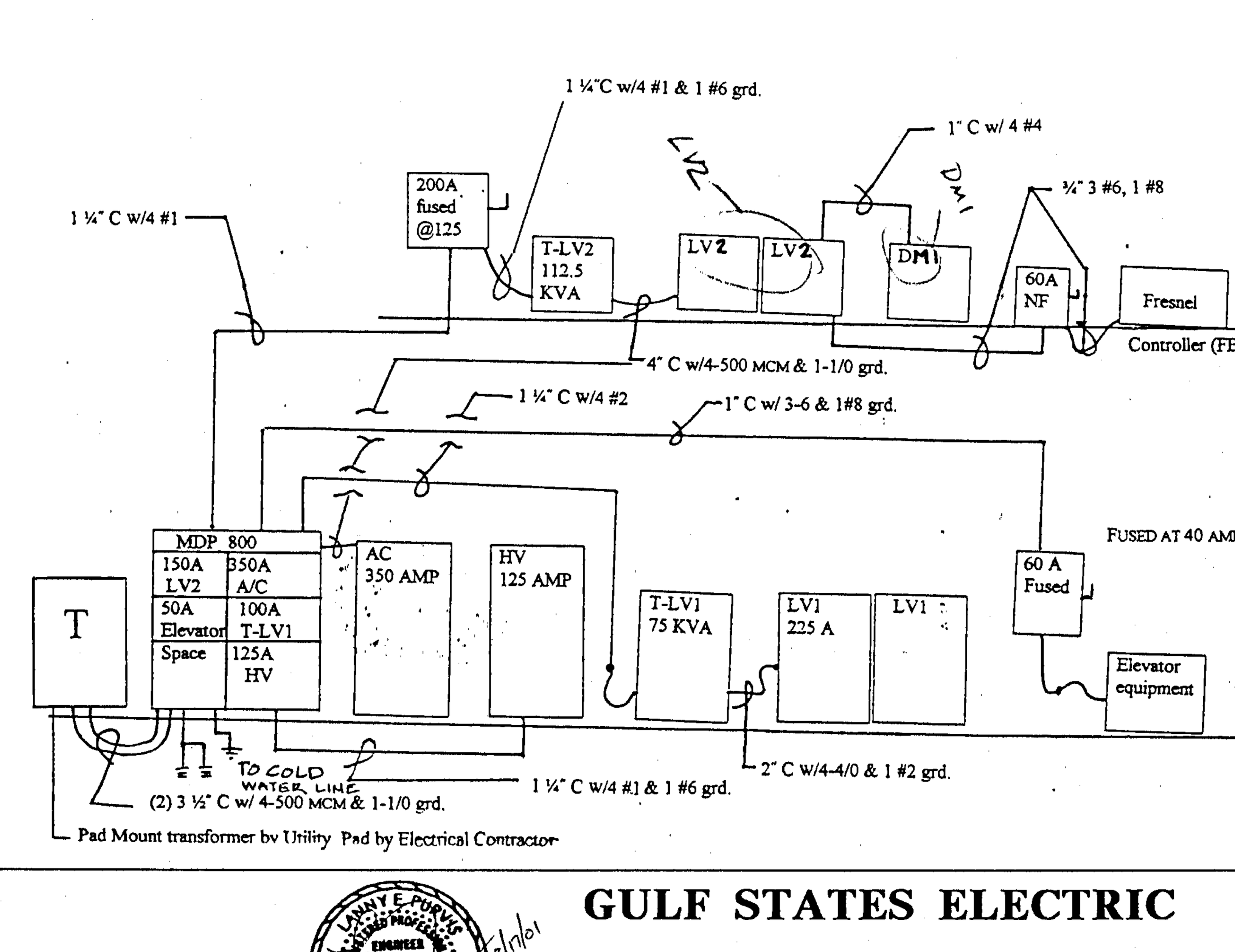


1ST FLOOR POWER PLAN

1/8" = 1'-0"



ELECTRICAL ROOM



SHEET E-4 OF 6

PROJECT NO:

A NEW BUILDING FOR CHURCH OF THE HIGHLANDS

RIDGELAND, MISSISSIPPI

PROJECT NAME: 1stfile DATE: 12/1/2001 DESIGN: DRAWN: elk CHECKED: REVISED:

LANNY E. PURVIS REGISTERED PROFESSIONAL ENGINEER STATE OF MISSISSIPPI 12/17/01

GULF STATES ELECTRIC

P.O. BOX 2034, RIDGELAND, MS. 39158

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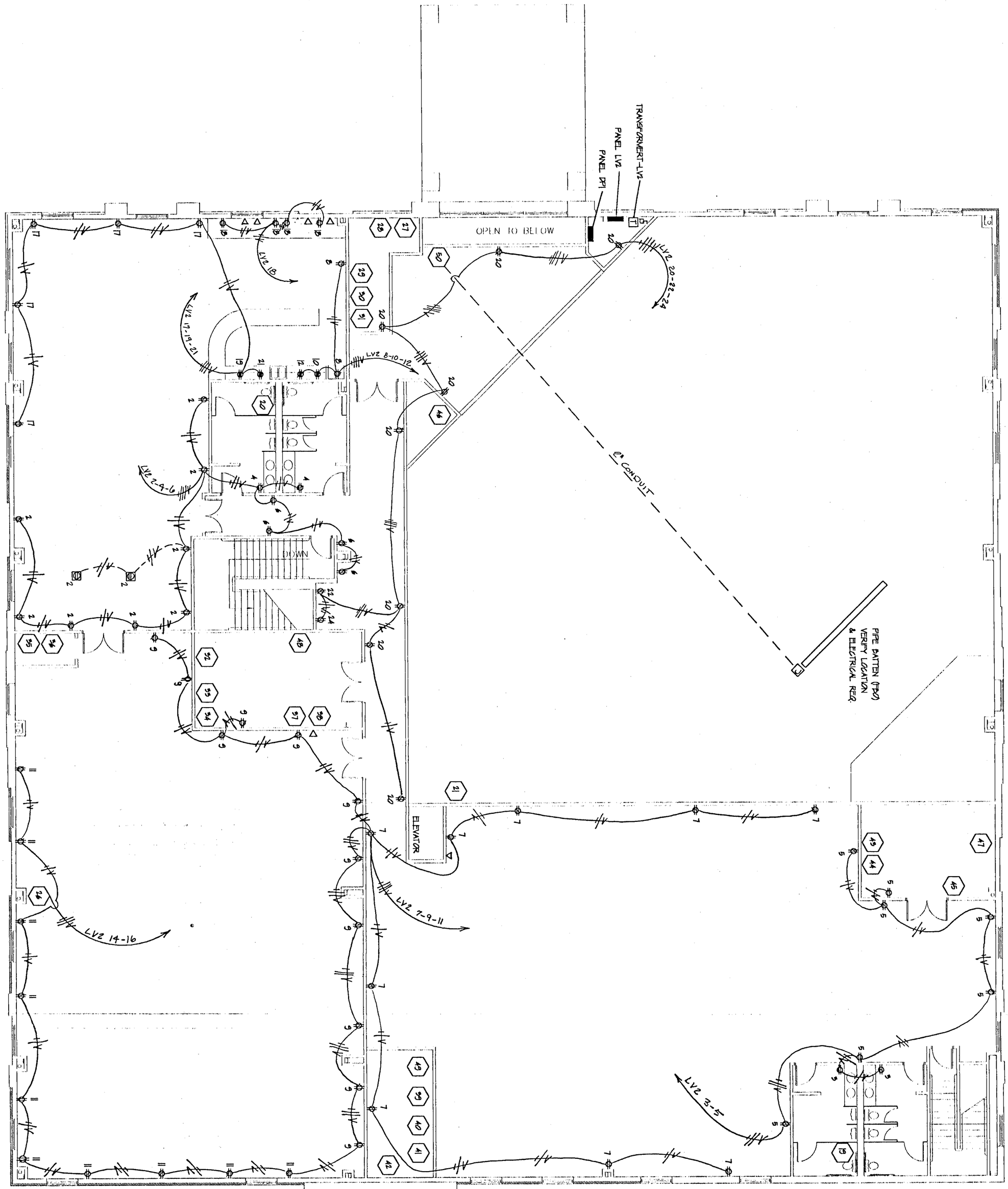

2 2ND FLOOR POWER & COMMUNICATION PLAN
1/8" = 1'-0"

PROJECT NO:

A NEW BUILDING FOR CHURCH OF THE HIGHLANDS

RIDGELAND, MISSISSIPPI

PROJECT NAME: 1st11e DATE: 12/1/2001 DESIGN: DRAWN: elk CHECKED: REVISED:

E-5

12/1/01

GULF STATES ELECTRIC

P.O. BOX 2034, RIDGELAND, MS. 39158

601-957-7493

POWER CONNECTION SCHEDULE

Mark	Descrip.	Feeder	Volts	Phase	FLA	Conduit	Wire	Disconnect	Remarks
1	CU1	AC1	480	3	14	½	4#10	30A/3P	Nema 3R
2	CU2	AC2							
3	CU3	AC3			7.5		4#14		
4	CU4	AC4							
5	CU4A	AC5							
6	CU5	AC6							
7	CU6	AC7			14		4#10		
8	CU7	AC8							
9	CU8	AC9			18.3	3/4	3#8 & 1#10	60A/3P	
10	CU9	AC10							
11	CU9A	AC11							
12	CU10	AC12			7.5	1/2	4#14	30A/3P	
13	CU11	AC13			18.3	3/4	3#8 & 1#10	60A/3P	
14	CU12	AC14			14	1/2	4#10	30A/3P	
15	CU13	AC15			18.3	3/4	3#8 & 1#10	60A3/P	
16	CU14	AC16							
17	CU14A	AC17							
18	CU15	AC18			7.5	1/2	4#14	30A/3P	
19	EF1	LV2 49, 51, 53	208		1.2				
20	EF1	LV2 50, 52, 54	208						
21	EF3	LV2 55, 57, 59	208		.90				
22	EF4	LV1 24	110	1	1.14		3#12	Switch	Switch w/L fixture
23	EF5	LV1 26	110						
24	EF6	LV1 27	110						
25	EF7	LV1 27	110						
26	Stage Conn.	LV2 14, 16	(2) 110		12			Receptacle	Nema 5-20R
27	F1 1176	LV2 23	120	1	9.8	½"	3#12	——	5-20R
28	F1	LV2 25						——	
29	F2 1560	LV2 27			13.0			——	
30	F3	LV2 26			9.8			——	
31		LV2 28						——	
32	F4	LV2 30			13.0			——	
33		LV2 29						——	
34	F5	LV2 31						——	
35	F6	LV2 33			9.8			——	
36		LV2 35						——	
37	F7	LV2 32						——	
38		LV2 34						——	
39	F9	LV2 37			13.0			——	
40		Lv2 38						——	
41	F10	LV2 40			9.8			——	
42		LV2 39						——	
43	F11	LV2 13			13.0			——	
44		LV2 15						——	
45	F12	LV2 1			9.8			——	
46	F13	LV2 41			13.0			——	
47	BCU1	HV 13, 15, 17	480	3	7.6		4#12	30A/3P	Nema 1
48	BCU2	HV 19, 21, 23							
49	F8	LV2 36	120		13.0			RECEPTICALE	5-20R
50	Stage control	LV2 44, 46	208	1	20	¾"	3#6, 1#8	60A/2P	
51	Elevator	MSB	480	3	21	1"	3#6 1#8	60A/3P	Fused @ 40A
52	Elevator Cab Lights	LV1 10	120	1	3.3	½"	3#12		
53	Washer	LV1 39			4			Recept.	
54	Dryer	LV1 13, 15	208		22	3/4	4#10	Recept.	
55	Steam bar	LV1 16, 18			12			30A/2P	
56	Steam bar	LV1 20, 22			12				
57	Steam bar	LV1 17, 19			12				
58	Range	LV1 12, 14			20		3#10, 1#12	Recept.	

PANEL HV — NOTE: PROVIDE 3 SPARE ¾" c TO ACCESS CEILING
125 AMP. / MLO / 277-480y / 3Ø / 4W / 14 KAIC
BOTTOM FEED / SURFACE MOUNT / LOCATION: 1st. Floor Elect. Room

#	AMP	POLE	DESCRIPTION	AØ	BØ	CØ	DESCRIPT.	POLE	AMP.	#
1	20A	1	HALLWAYS 1ST FLOOR	3496 812			CANOPY LIGHTS	1	20	2
3			SOUTH ROOMS LIGHTS		3628 3096		NORTH & WEST LIGHTS			4
5			SOUTH & WEST LIGHTS			3628 3989	2ND FLOOR AWANA			6
7	30		PARKING LOT S-SE	4432 3546			2ND FLOOR HALL BALCONY			8
9			PARKING LOT SOUTH		4432 4432		PARKING LOT WEST		30	10
11			PARKING – NW ENTRANCE			4432 4432	PARKING LOT WEST			12
13	15	3	BCU - 1	2105 5374			PARKING LOT NORTH			14
15					2105 192		AA FIXT. IN YOUTH			16
17						2105	CROSS LIGHTS			18
19	15	3	BCU - 2	2105			SEE E2 NOTE 1	1	20	20
21					2105		SPARE			22
23						2105				24
25										26
27										28
29										30
				21870	19990	20691				

TOTAL 62551 ÷ 831 = 75.3 AMPS

PANEL AC — 400 AMPS / MLO / 480 / 3Ø / 3W
TOP FEED / SURFACE / A/C 25,000

CIRC	DESCRIP.	AMP	POLE	A	B	C	POLE	AMP	DESCRIP	CIRC
1	CU1	30	3	3878 3878	3878 3878	3878 3878	3	30	CU2	2
3	CU3	15		2078 2078	2078 2078	2078 2078	15		CU4	4
5	CU4			2078 2078	2078 2078	2078 2078			CU5	6
7	CU6	30		3878 3878	3878 3878	3878 3878	30		CU7	8
9	CU8	40		5070 5070	5070 5070	5070 5070	40		CU9	10
11	CU9A			5070 2078	5070 2078	5070 2078	15		CU10	12
13	CU11			5078 3878	5070 3878	5070 3878	30		CU12	14
15	CU13			5070 5070	5070 5070	5070 5070	40		CU14	16
17	CU124A			5070 2078	5070 2078	5070 2078	15		CU15	18
				67348	67348	67348				

202044 ÷ 831

LV1 — 225 AMP /MCB /THRU FEED LUGS / 208Y-120 /3Ø 4W
FLUSHMOUNT / BOTTOM FEED / A/C 10,000
(2 SECTION)

CIRC	DESCRIP.	AMP	POLE	A	B	C	POLE	AMP	DESCRIP.	CIRC.
1	Lobby Light & C.O.	20	1	960 1620			1	20	103, 104 Recept	2
3	Lobby C.O.				1620 540				107 Recept	4
5	102 Recpt.					1440 1200			108 Water Cooler	6
*7	105 Computer			800 720					Outdoor Recept	8
9	105, 106 Recept.				1620 400				Elevator Cab lite	10*
11	107 Recept.					1620 2520	2	30	Range	12
13	Dryer	30	2	2200 2520			2520			14
15					2200 1250		2	20	Steam Bar	16
17	Steam Bar	20	2			1250 1250			——	
19				1250 1250			2	20	Steam Bar	20
21	113 Hall C.O.	20	1		1620 1250				——	22
23	116 Recept.					1620 1620	1	20	123 Recept.	24
25	117 Recept.			1620 1620					125 Recpt. & Bath	26
27	118 Recept.				1620 1620				127 Receipt & Bath	28
29	120 Recept.					1620 1620			129, 131 Recept.	30
31	132 Recept.			1620 1620					134, 135, Recept.	32
33	143 Coffee				1200 360				136, 137, GFI Recept.	34
35	143 Coffee					1200 1620			133, 147 Recept.	36
37	143 Refrig & Freezer			1200 1440					141, 146, 142	38
39	Clothes Washer				500 1620				150-154 Recept.	40
41	Spare					500 1080			143 C.O.	42
43	Space								Space	44
45										46
47										48
				20440	17420	20160				

58020 ÷ 360 = 161.1

* Non-Pad Lockable Lock On

PANEL MDP
800 AMP / MLO /277-480v / 3Ø / 4w / 35 KAIC
BOTTOM FEED / SURFACE MOUNT / LOCATION : 1ST FLOOR ELECT. ROOM

#1	AMP	POLE	DESCRIPTION	AØ	BØ	CØ	DESCRIPTION	POLE	AMP	#
1	150	3	T-LY1 FEEDER	25700 67348			PANEL AC	3	350	2
---		—			2883 67348			—	—	—
---		—				26498 67348		—	—	—
3	50	3	ELEVATOR EQUIPMENT	5817 20440			T-LV1 FEEDER	3	100	4
---		—			5817 17420			—	—	—
---		—				5817 20160		—	—	—
5	200	3	SPACE	21870			PANEL H	3	125	6
---	—	—			19990			—	—	—
---	—	—				20691		—	—	—
				141175	139406	140514				

42,095 ÷ 480 X √3 = 506.73

PAENL LV2 400 AMP / MCB /THRU FEED LUGS / 208Y-120
3Ø / 4W / BOTTOM FEED / SURFACE MNT.

CIRC	DESCRIP.	AMP	POLE	A	B	C	POLE	AMP	DESCRIP.	CIR.
1	Room 210 Mark 45	20	1	1176 1620			20	1	205 C.O. Barlight	2
3	208,209 GFI				360 360				203/204 GFI	4
5	207, Recept.					1500 1140			202 Recept.	6
7	207, Recept			1620 500					205 Reftig.	8
9	206, Recept				1620 1200				205 Bar	10
11	206, Recept					1620 1200			205 Mixer	12
13	210 Mark 43			1560 1600					Children Stage Mark 26	14
15	210 Mark 44				1560 1600				Children Stage Mark 26	16
17	205 Recept.					900 1600	1	20	205 Computers	18
19	205 Coffee			1200 1440					201 C.O	20
21	205 Microwave				1200 800				201 Vending	22
23	Mark 27 F1					1176 800			201 Vending	24
25	Mark 28 F1			1176 1176					Mark 30 F3	26
27	Mark 29 F2			1560 1176					Mark 31 F3	28
29	Mark 33 F4					1560 1560			Mark 32 F4	30
31	Mark 34 F5			1560 1176					Mark 37 F7	32
33	Mark 35 F6				1176 1176				Mark 38 F7	34
35	Mark 36 F6					1176 1560			Mark 49 F8	36
37	Mark 39 F9			1560 1360					Mark 40 F9	38
39	Mark 42 F10				1176 1176				Mark 41 F10	40
41	Mark 46					1560 500			Spare	42
43	Panel DP1	80	3	7500 500						44
45	——	—	—		7500 2000				Mark 50 Fresnel	46
47	——	—	—			6250 2000				48
49	EF1	15	3	144 144			3	15	EF2	50
51					144 144					52
53						144 144				54
55	EF3	15	3	108					Space	56
57					108					58
59						108				60
				25700	28836	26498				

PANEL DM1 (DIMMING PANEL) 10kaic
100 Amp / MLO / 120-208Y / 3Ø / 4W / BOTTOM FEED
FLUSH MNT. / LOCATION: TECHNICAL BALCONY

#	AMP	POLE	DESCRIPTION	AØ	BØ	CØ	DESCRIPTION	POLE	AMP	#
1	20	1	SANCTUARY (INCAND)	1500 1500			SANCTUARY (INCAND.)	1	20	2
3					1500 1500					4
5						1500 1500				6
7				1500 1500						8
9					1500 1500					10
11						1500 1500				12
13				1500 0			SPARE			14
15					1500		SPACE			16
17			SPACE			250	BAPTISTRY (INCAND.)			18
				7500	7500	6250				

TOTAL 21250 ÷ 360 = 59.03 AMPS

GULF STATES ELECTRIC
P.O. BOX 2034, RIDGELAND, MS. 39158
601-957-7493

A NEW BUILDING FOR
CHURCH OF THE HIGHLANDS
RIDGELAND, MISSISSIPPI

PROJECT NO.
PROJECT NAME Hills
DESIGN:
DRAWN: ck
CHECKED:
DATE: 12/3/2001
REVISED

SHEET
E-6
OF 6