

7th ADVENTIST CHURCH

NEW WORSHIP CENTER

COLUMBIA COUNTY, FLORIDA



APPLICABLE CODES
2004 FLORIDA BUILDING CODE
2002 NATIONAL ELECTRIC CODE (NFPA 70)
2004 FLORIDA PLUMBING CODE
2004 FLORIDA MECHANICAL CODE
2004 FLORIDA FIRE PROTECTION CODE
(INCLUDES 2004 LIFE SAFETY CODE)

OCCUPANCY CLASS
ASSEMBLY (A-3)
BUSINESS (PROFESSIONAL SERVICES)

OCCUPANCY LOADING / EGRESS REQUIREMENTS
ASSEMBLY (A-3) FIXED SEATING = 166, UNCONCENTRATED SEATING = 40
BUSINESS (PROFESSIONAL SERVICES) = 45

TYPE OF CONSTRUCTION
TYPE II

CONSTRUCTION DOCUMENTS
THE CUSTOMER IS RESPONSIBLE FOR DELIVERING THE REQUIRED SETS OF CONSTRUCTION DOCUMENTS TO THE PERMIT ISSUING AUTHORITIES, FOR THE ISSUANCE OF CONSTRUCTION PERMITS. THE CONTRACTOR SHALL REVIEW THE CONSTRUCTION DOCUMENTS TO VERIFY ALL DIMENSIONS. ANY DISCREPANCIES SHALL BE REPORTED TO YOUR SALES REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF ANY WORK OR FABRICATION OF ANY MATERIALS.

DO NOT SCALE OFF THESE PLANS.
AMPLE DIMENSIONS ARE SHOWN ON THE PLANS TO LOCATE ALL ITEMS. SIMP ARITHMETIC MAY BE USED TO DETERMINE THE LOCATIONS OF THOSE ITEMS NOT DIMENSIONED.



GTC DESIGN GROUP, LLC
STRUCTURAL/CIVIL ENGINEERS

P.O. Box 187
130 West Howard Street
Live Oak FL, 32064
Phone: (386) 362-3678
Fax: (386) 362-6133
Gary Gill, PE 51942
Auth. #: 9461

BUILDING AREA

BUILDING AREA	=	9100 S.F.
COMMON AREA & CLASS ROOMS	=	4377 S.F.
SANCTUARY & ENTRANCE AREA	=	4416 S.F.
FRONT PORCH	=	450 S.F.
AREA INDEX:		
HEATED:	=	1538.92 S.F.
TOTAL:	=	4065.64 S.F.

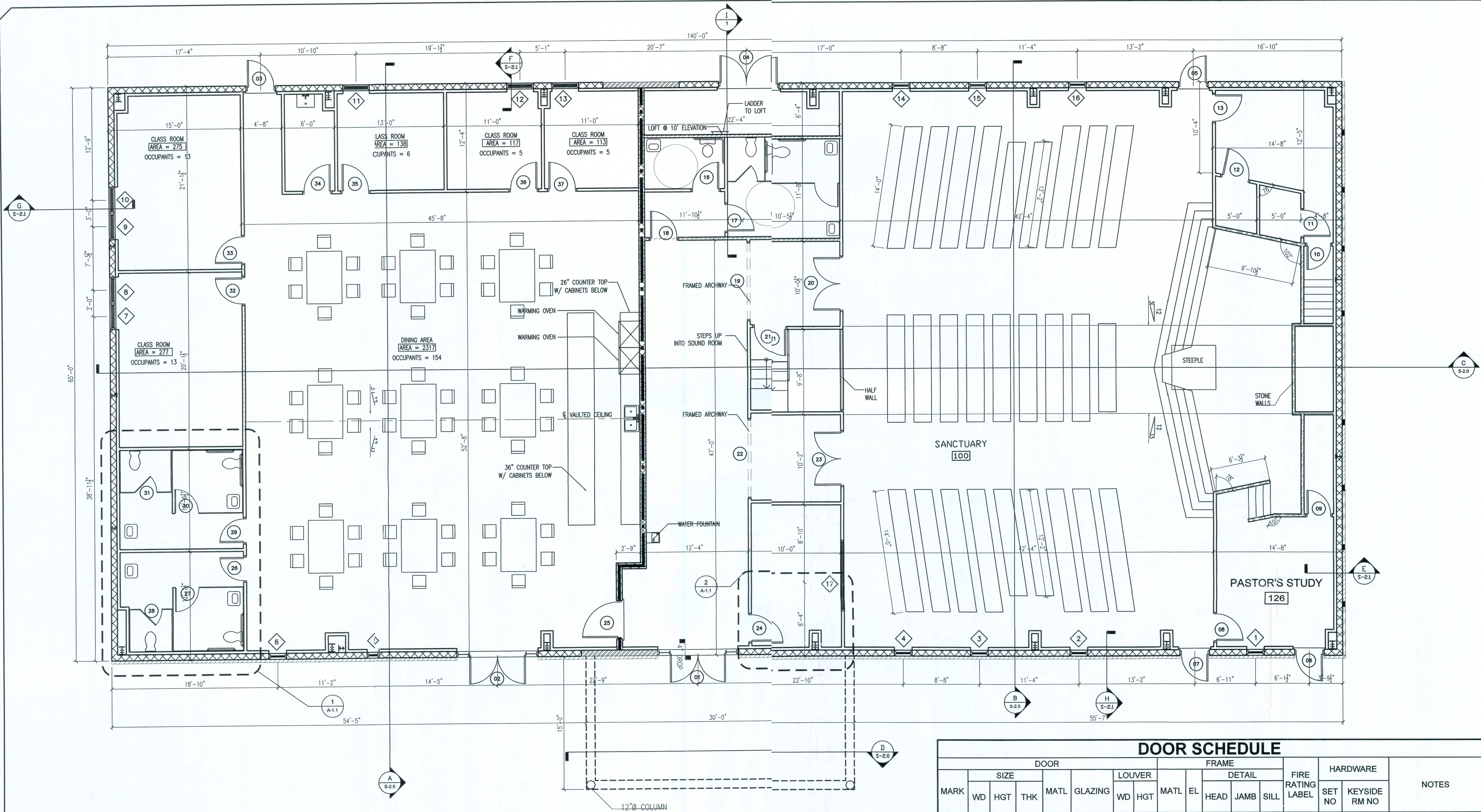
Sheet List Table

cov	COVER SHEET
A-1.0	FLOOR PLAN
A-1.1	FINISH PLAN
A-2.0	ELEVATIONS
A-2.1	ELEVATIONS
A-3.0	REFLECTED CEILING PLAN
A-4.0	LIFE SAFETY
S-1	FOUNDATION PLAN
S-2.0	SECTIONS
S-2.1	DETAILS
S-3.0	FLOOR FRAMING PLAN
S-4.0	STAGE FRAMING PLAN
M-1	MECHANICAL PLAN
E-1.0	LIGHTING PLAN
E-1.1	POWER PLAN
E 1.2	ELECTRICAL SCHEDULES AND NOTES
P-1	WATER SUPPLY PLAN
P-2	PLUMBING PLAN

F1 COPY

F2 COPY

2/19/02



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

WALL LEGEND	
[Symbol]	= INTERIOR WALLS
[Symbol]	3 1/2" METAL STUDS
[Symbol]	= INTERIOR HALF WALLS
[Symbol]	42" A.F.F. 3 1/2" METAL STUDS
[Symbol]	= 1 HOUR FIRE WALL
[Symbol]	= INTERIOR BEARING WALL
[Symbol]	= DECORATIVE STONE WALL
[Symbol]	= DECORATIVE BRICK WALL
[Symbol]	= 8" METAL WALL

OCCUPANTS:	
CLASSROOM:	42 PERSON
DINING:	157 PERSON

BUILDING AREA	
BUILDING AREA	= 9100 S.F.
COMMON AREA & CLASS ROOMS	= 4377 S.F.
SANCTUARY & ENTRANCE AREA	= 4416 S.F.
FRONT PORCH	= 450 S.F.

WINDOW SCHEDULE				
MARK	SIZE		TYPE	MATERIAL
	WIDTH	HEIGHT		
1	2'-0"	7'-0"	---	---
2	2'-0"	7'-0"	---	---
3	2'-0"	7'-0"	---	---
4	2'-0"	7'-0"	---	---
5	2'-0"	7'-0"	---	---
6	2'-0"	7'-0"	---	---
7	3'-0"	6'-0"	---	---
8	3'-0"	6'-0"	---	---
9	3'-0"	6'-0"	---	---
10	3'-0"	6'-0"	---	---
11	3'-0"	6'-0"	---	---
12	3'-0"	6'-0"	---	---
13	3'-0"	6'-0"	---	---
14	2'-0"	7'-0"	---	---
15	2'-0"	7'-0"	---	---
16	2'-0"	7'-0"	---	---
17	8'-0"	4'-0"	---	---

NOTES	
1	STAINED GLASS
2	STAINED GLASS
3	STAINED GLASS
4	STAINED GLASS
5	STAINED GLASS
6	STAINED GLASS
7	DOUBLE PANE
8	DOUBLE PANE
9	DOUBLE PANE
10	DOUBLE PANE
11	DOUBLE PANE
12	DOUBLE PANE
13	DOUBLE PANE
14	STAINED GLASS
15	STAINED GLASS
16	STAINED GLASS
17	ONE-WAY GLASS

DOOR SCHEDULE																
MARK	DOOR				FRAME				FIRE RATING LABEL	HARDWARE		NOTES				
	SIZE			MATL	GLAZING	LOUVER		DETAIL			SET NO		KEYSIDE RM NO			
	WD	HGT	THK			WD	HGT	MATL		EL				HEAD	JAMB	SILL
1	9'-2"	8'-0"	?	---	---	0	0"	---	---	---	---	---	---	---	---	---
2	9'-2"	8'-0"	?	---	---	0	0"	---	---	---	---	---	---	---	---	---
3	3'-0"	6'-8"	1 3/4"	---	---	0	0"	---	---	---	---	N/A	---	---	---	---
4	3'-0"	6'-8"	1 3/4"	---	---	0	0"	---	---	---	---	N/A	---	---	---	---
5	3'-0"	6'-8"	1 3/4"	---	---	0	0"	---	---	---	---	N/A	---	---	---	---
6	3'-0"	6'-8"	1 3/4"	---	---	0	0"	---	---	---	---	N/A	---	---	---	---
7	3'-0"	6'-8"	1 3/4"	---	---	0	0"	---	---	---	---	N/A	---	---	---	---
8	3'-0"	6'-8"	1 3/4"	---	---	0	0"	---	---	---	---	N/A	---	---	---	---
9	2'-8"	6'-8"	1 3/4"	---	---	0	0"	---	---	---	---	N/A	---	---	---	---
10	2'-8"	6'-8"	1 3/4"	---	---	0	0"	---	---	---	---	N/A	---	---	---	---
11	3'-0"	6'-8"	1 3/4"	---	---	0	0"	---	---	---	---	N/A	---	---	---	---
12	3'-0"	6'-8"	1 3/4"	---	---	0	0"	---	---	---	---	N/A	---	---	---	---
13	3'-0"	6'-8"	1 3/4"	---	---	0	0"	---	---	---	---	N/A	---	---	---	---
14	2'-8"	4'-10"	1"	---	---	0	0"	---	---	---	---	---	---	---	---	---
15	2'-8"	4'-10"	1"	---	---	0	0"	---	---	---	---	---	---	---	---	---
16	3'-0"	6'-8"	1 3/4"	---	---	0	0"	---	---	---	---	---	---	---	---	---
17	3'-0"	6'-8"	1 3/4"	---	---	0	0"	---	---	---	---	---	---	---	---	---
18	3'-0"	6'-8"	1 3/4"	---	---	0	0"	---	---	---	---	N/A	---	---	---	---
19	9'-0"	8'-0"	NA	---	---	0	0"	---	---	---	---	N/A	---	---	---	FRAMED ARCH OPENING
20	6'-0"	6'-8"	1 3/4"	---	---	0	0"	---	---	---	---	N/A	---	---	---	---
21	3'-0"	6'-8"	1 3/4"	---	---	0	0"	---	---	---	---	N/A	---	---	---	---
22	9'-0"	8'-0"	NA	---	---	0	0"	---	---	---	---	N/A	---	---	---	FRAMED ARCH OPENING
23	6'-0"	6'-8"	1 3/4"	---	---	0	0"	---	---	---	---	N/A	---	---	---	---
24	3'-0"	6'-8"	1 3/4"	---	---	0	0"	---	---	---	---	N/A	---	---	---	---
25	4'-0"	6'-8"	1 3/4"	---	---	0	0"	---	---	---	---	---	---	---	---	3 HOUR FIRE RATED DOOR
26	3'-0"	6'-8"	1 3/4"	---	---	0	0"	---	---	---	---	---	---	---	---	---
28	2'-8"	4'-10"	1"	---	---	0	0"	---	---	---	---	---	---	---	---	---
29	3'-0"	6'-8"	1 3/4"	---	---	0	0"	---	---	---	---	---	---	---	---	---
31	2'-6"	4'-10"	1"	---	---	0	0"	---	---	---	---	---	---	---	---	---
32	3'-0"	6'-8"	1 3/4"	---	---	0	0"	---	---	---	---	N/A	---	---	---	---
33	3'-0"	6'-8"	1 3/4"	---	---	0	0"	---	---	---	---	N/A	---	---	---	---
34	3'-0"	6'-8"	1 3/4"	---	---	0	0"	---	---	---	---	N/A	---	---	---	---
35	3'-0"	6'-8"	1 3/4"	---	---	0	0"	---	---	---	---	N/A	---	---	---	---
36	3'-0"	6'-8"	1 3/4"	---	---	0	0"	---	---	---	---	N/A	---	---	---	---
37	3'-0"	6'-8"	1 3/4"	---	---	0	0"	---	---	---	---	N/A	---	---	---	---

ISSUED FOR APPROVAL

REVISION NOTES

REV #	DATE	DESCRIPTION
01	10-20-06	ISSUED FOR CONSTRUCTION
01	10-09-07	ADDED 4 HOUR FIREWALL

PROJECT INFORMATION

P.O. Box 187
1301 West Howard Street
Live Oak, FL 32060
Phone: (386) 362-3678
Fax: (386) 362-6133
Auth: # 9461

STRUCTURAL CIVIL ENGINEERS Gary Gill, PE 51942

PROJECT NAME

7th ADVENTIST CHURCH
NEW WORSHIP CENTER
COLUMBIA COUNTY, FLORIDA

PROJECT NUMBER

PFJ6-193S

DRAWN BY

D. PRICE

CHECKED BY

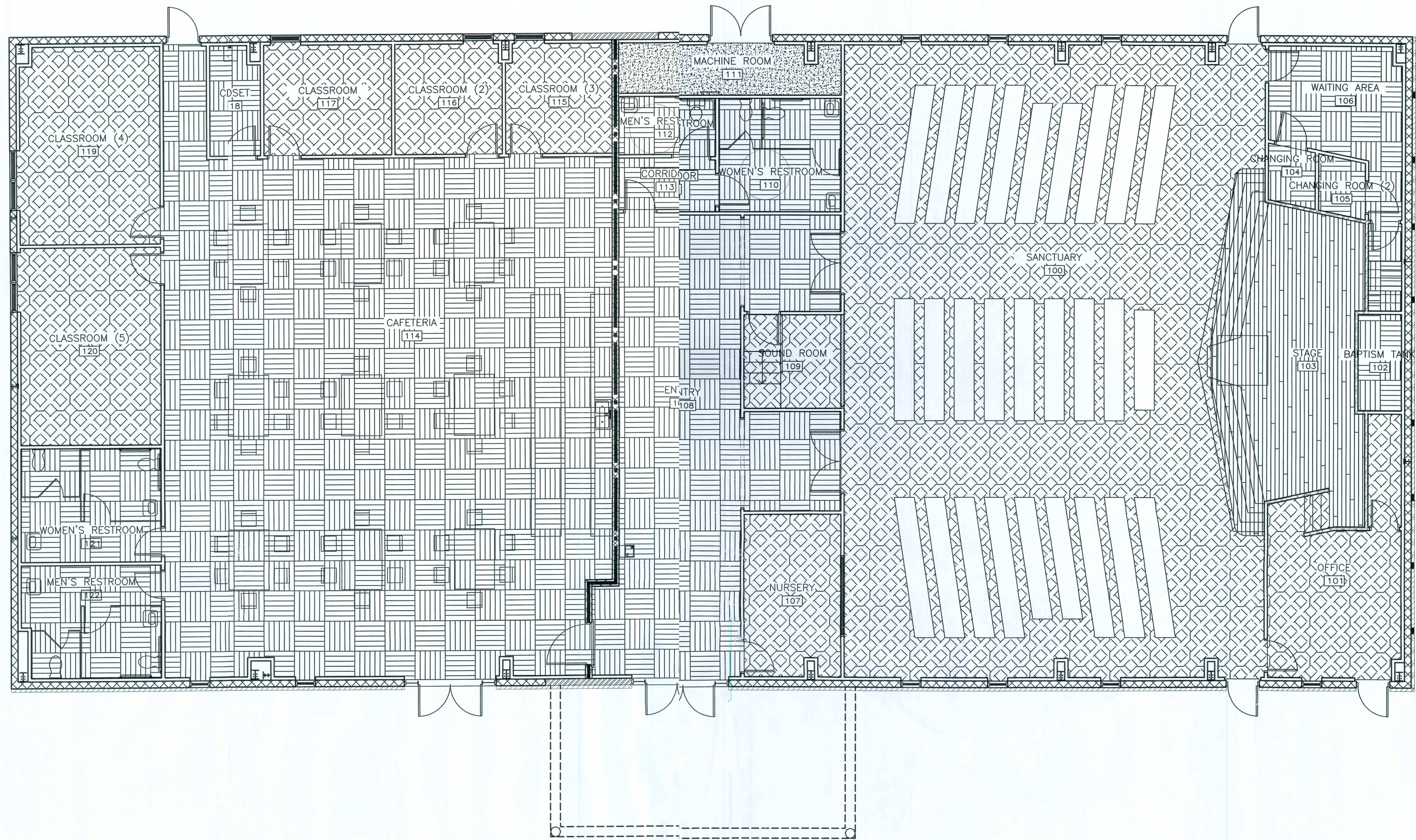
G.G.

SHEET

1 OF 15

DATE

15 Feb 08



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

ROOM FINISH SCHEDULE						
NUMBER	ROOM NAME	FLOOR	WALLS		CEILING	
			MATL	FINISH	MATL	HEIGHT
100	SANCTUARY	INDUSTRIAL GRADE CARPET	G.W.B.	---	ACOUSTICAL CEILING TILE	12'-0"
101	OFFICE	INDUSTRIAL GRADE CARPET	G.W.B.	---	ACOUSTICAL CEILING TILE	12'-0"
102	BAPTISM TANK	---	---	---	---	---
103	STAGE	WOOD FLOORING	G.W.B.	---	ACOUSTICAL CEILING TILE	12'-0"
104	CHANGING ROOM	CERAMIC FLOOR TILE	G.W.B.	---	ACOUSTICAL CEILING TILE	12'-0"
105	CHANGING ROOM (2)	CERAMIC FLOOR TILE	G.W.B.	---	ACOUSTICAL CEILING TILE	12'-0"
106	WAITING AREA	CERAMIC FLOOR TILE	G.W.B.	---	ACOUSTICAL CEILING TILE	12'-0"
107	NURSERY	INDUSTRIAL GRADE CARPET	G.W.B.	---	G.W.B.	10'-0"
108	ENTRY	CERAMIC FLOOR TILE	G.W.B.	---	G.W.B.	10'-0"
109	SOUND ROOM	INDUSTRIAL GRADE CARPET	G.W.B.	---	G.W.B.	10'-0"
110	WOMEN'S RESTROOM	CERAMIC FLOOR TILE	G.W.B.	---	G.W.B.	10'-0"
111	MACHINE ROOM	CERAMIC FLOOR TILE	G.W.B.	---	G.W.B.	10'-0"
112	MEN'S RESTROOM	CERAMIC FLOOR TILE	G.W.B.	---	G.W.B.	10'-0"
113	CORRIDOR	CERAMIC FLOOR TILE	G.W.B.	---	ACOUSTICAL CEILING TILE	12'-0"
114	CAFETERIA	CERAMIC FLOOR TILE	G.W.B.	---	ACOUSTICAL CEILING TILE	12'-0"
115	CLASSROOM (3)	INDUSTRIAL GRADE CARPET	G.W.B.	---	ACOUSTICAL CEILING TILE	12'-0"
116	CLASSROOM (2)	INDUSTRIAL GRADE CARPET	G.W.B.	---	ACOUSTICAL CEILING TILE	12'-0"
117	CLASSROOM	INDUSTRIAL GRADE CARPET	G.W.B.	---	ACOUSTICAL CEILING TILE	12'-0"
118	CLOSET	CERAMIC FLOOR TILE	G.W.B.	---	ACOUSTICAL CEILING TILE	12'-0"
119	CLASSROOM (4)	INDUSTRIAL GRADE CARPET	G.W.B.	---	G.W.B.	10'-0"
120	CLASSROOM (5)	INDUSTRIAL GRADE CARPET	G.W.B.	---	G.W.B.	10'-0"
121	WOMEN'S RESTROOM	CERAMIC FLOOR TILE	G.W.B.	---	G.W.B.	10'-0"
122	MEN'S RESTROOM	CERAMIC FLOOR TILE	G.W.B.	---	G.W.B.	10'-0"

FLOOR FINISH LEGEND	
MARK	FLOORING
	COMMERCIAL GRADE CARPET
	TONGUE AND GROOVE WOOD FLOORING
	CERAMIC FLOOR TILE
	CONCRETE

ISSUED FOR APPROVAL

1/12/02

7TH DAY ADVENTIST CHURCH
NEW WORSHIP CENTER
COLUMBIA COUNTY, FLORIDA

FINISH PLAN

P.O. Box 187
130 West Howard Street
Live Oak FL 32064
Phone: (386) 362-3678
Fax: (386) 362-6133
Auth: J. Gill, PE 51942



REV #	DATE	REVISION NOTES
01	10-09-07	ADDED 4 HOUR FIRE WALL

PROJECT NUMBER
PF06-193S
DRAWN BY
F.VULETICH
CHECKED BY
G.G.

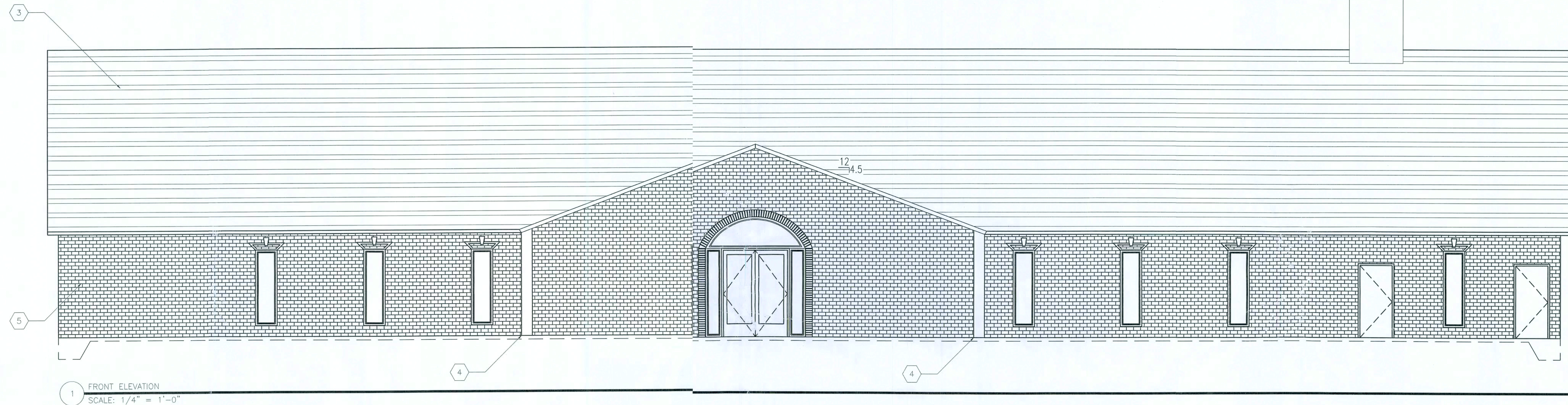
A-1.1

SHEET KEYNOTES

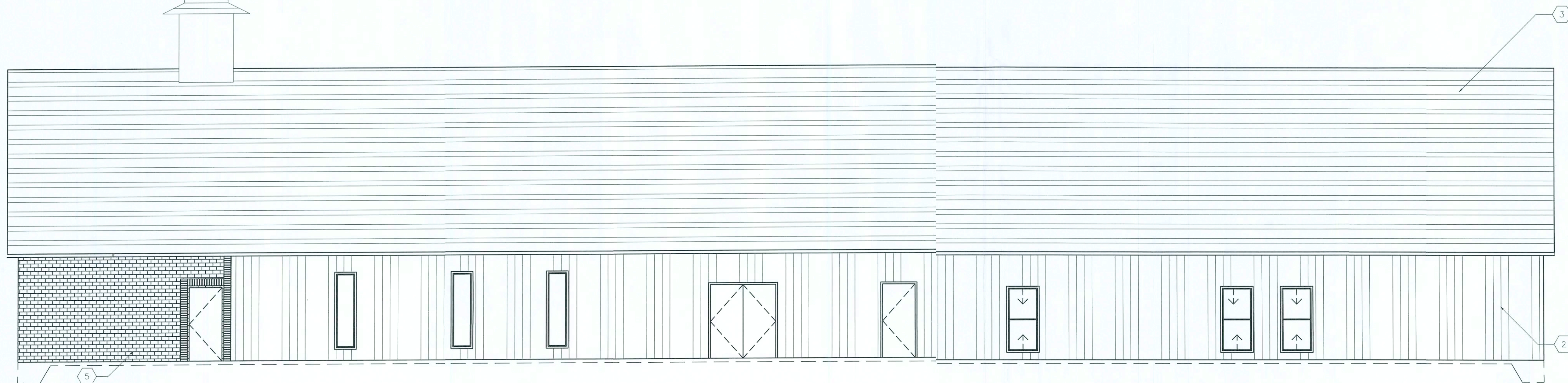
- 1 STONE VENEER (PER OWNER)
- 2 29ga. METAL SIDING (PER OWNER)
- 3 29ga. METAL ROOFING (PER OWNER)
- 4 8 x 8 x 8 CMU BLOCK COLUMN W/
DECORATIVE SHEATHING (PER OWNER)
- 5 DECORATIVE BRICK VENEER

NOTE:

- 1.) STEEPLE BY OTHERS



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



2 REAR ELEVATION
SCALE: 1/4" = 1'-0"

ISSUED FOR APPROVAL

7th ADVENTIST CHURCH
NEW WORSHIP CENTER
COLUMBIA COUNTY, FLORIDA

ELEVATIONS

PROJECT NUMBER
P06-193S
DRAWN BY
D. PRICE
CHECKED BY
G.G.

A-2.0

SHEET 3 OF 15

P.O. Box 187
13th West Highway
Live Oak, FL 32064
Phone: (386) 362-3678
Fax: (386) 362-6133
Gary Gill, PE 51942
Auth. # 9461

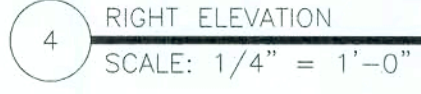
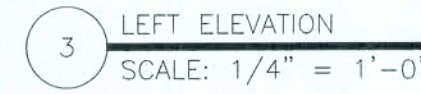


STRUCTURAL CIVIL ENGINEERS

REVISION NOTES
REV # DATE
01 10-20-06 ISSUED FOR CONSTRUCTION
02 10-20-07 ADDED 1 HOUR FIREWALL

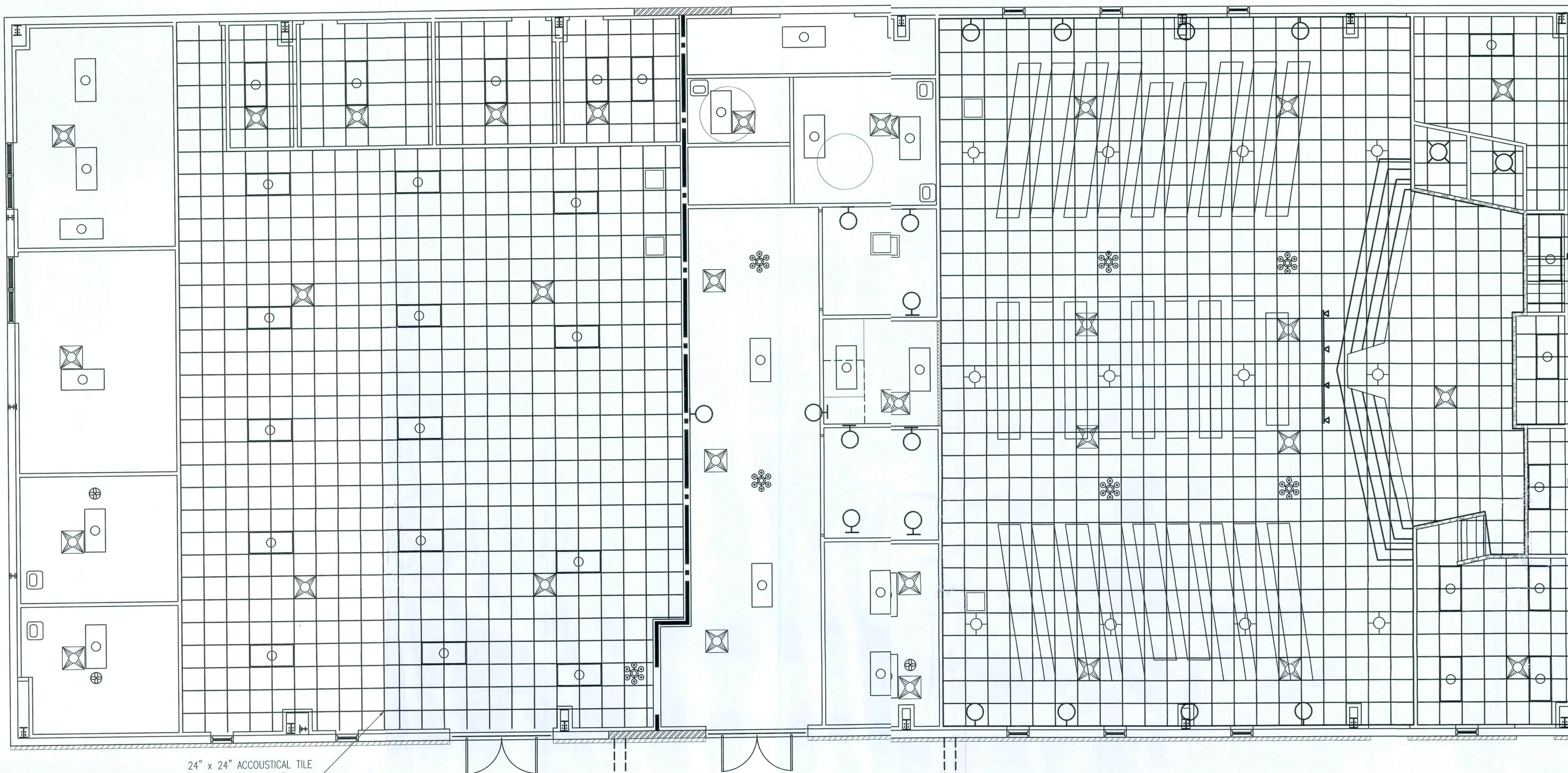
1	STONE VENEER (PER OWNER)
2	29ga. METAL SIDING (PER OWNER)
3	29ga. METAL ROOFING (PER OWNER)
4	12" Ø COLUMN (PER OWNER)
5	DECORATIVE BRICK VENEER

1.) STEEPLE BY OTHERS



ISSUED FOR APPROVAL

7th ADVENTIST CHURCH NEW WORSHIP CENTER COLUMBIA COUNTY, FLORIDA		 P.O. Box 187 1300 Highway 32064 Live Oak FL 32064 Phone: (386) 362-3678 Fax: (386) 362-6133 Gary Gill, PE 51942 Auth. # 9461 STRUCTURAL/CIVIL ENGINEERS		REV #	DATE	REVISION NOTES
		-	10-20-06	ISSUED FOR		
		01	10-09-07	ADDED 4th FLOOR WALL		
PROJECT NUMBER		PF16-193S				
DRAWN BY		J. PRICE				
CHECKED BY		G.G.				
A-2.1						
(SHEET 4 OF 15)						



24" x 24" ACOUSTICAL TILE
DROP CEILING @ 10'-0" A.F.F.

REFLECTED CEILING PLAN
SCALE: $\frac{3}{16}" = 1'-0"$

LEGEND	
SYMBOL	DESCRIPTION
	SPOT LIGHT
	EXHAUST FAN
	DECORATIVE HANGING CHANDELIER
	24" x 24" FLUORESCENT LIGHT
	24 x 24 AIR RETURN
	24 x 24 AIR VENT
	48" CEILING FAN

NOTES:

- 1.) CEILING TILES IN COMMON AREA TO BE OF WASHABLE TYPE.
- 2.) LEGEND QUANTITIES ARE FOR CEILING MOUNTED OBJECTS ONLY. QUANTITIES MAY BE DIFFERENT ON OTHER ELECTRICAL SHEETS.

ISSUED FOR APPROVAL

2/2/02

REFLECTED CEILING PLAN

7th ADVENTIST CHURCH
NEW WORSHIP CENTER
COLUMBIA COUNTY, FLORIDA



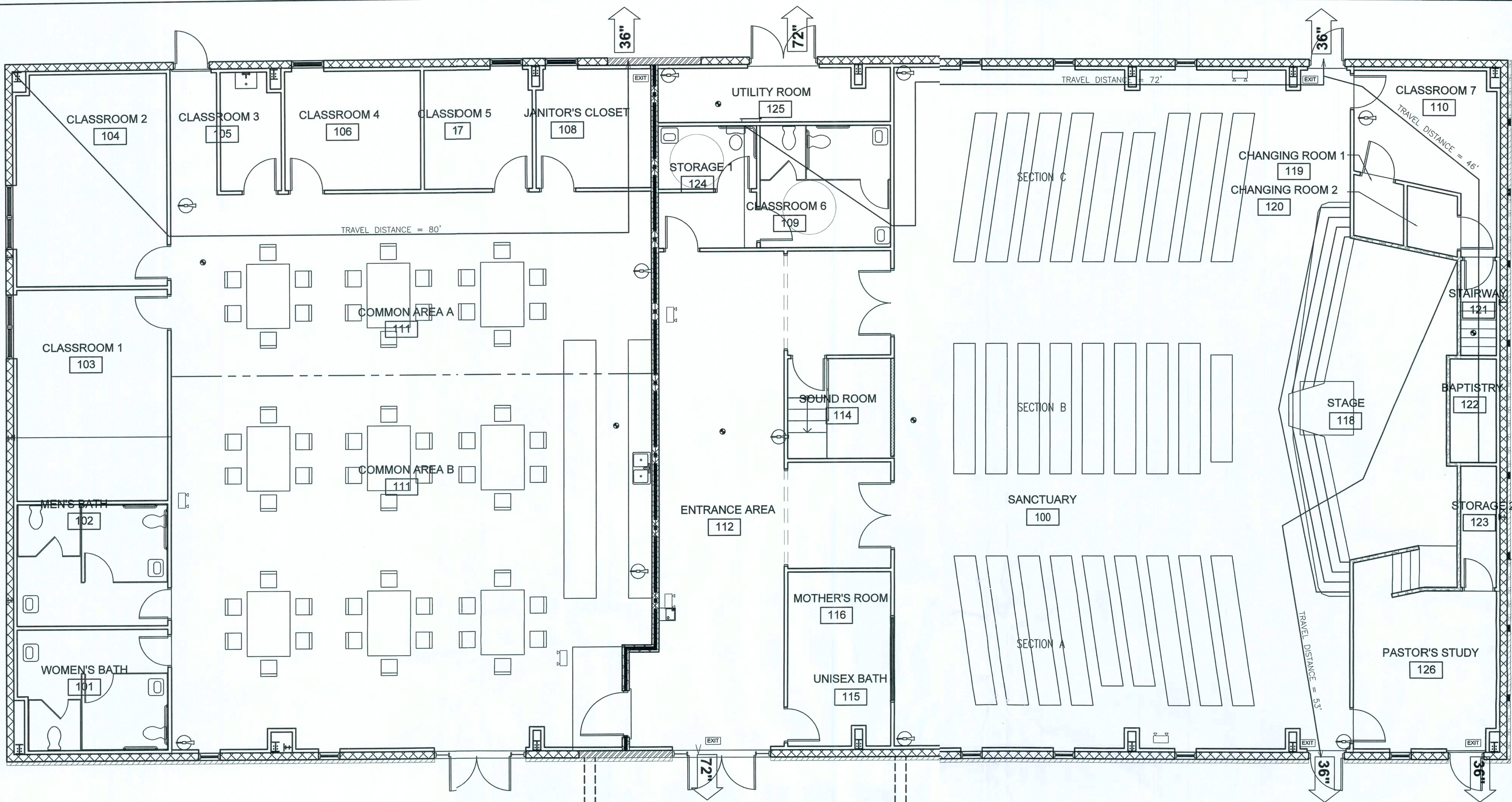
P.O. Box 187
130 West Howard Street
Live Oak, FL 32064
Phone: (386) 362-3678
Fax: (386) 362-6133
Auth. # 9461

PROJECT NUMBER
PF16-193S
DRAWN BY
D. PRICE
CHECKED BY
G.G.

A-3.0

SHEET 5 OF 15

REV #	DATE	REVISION NOTES
01	10-20-06	ISSUED FOR CONSTRUCTION
	10-09-07	ADDED 4 HOUR FIREWALL



OCCUPANCY SCHEDULE			
ROOM #	DESCRIPTION	MAXIMUM OCCUPANCY	EMERGENCY EXIT DOOR
100	SANCTUARY	179	A&B - 2 C - 4
109	CLASSROOM 6	10	4
114	SOUND ROOM	5	1
116	MOTHER'S ROOM	5	1
118	STAGE	21	3
110, 119, 120, & 121	CLASSROOM 7, CHANGING ROOMS & STAIRWAY COMBINED	17	4
122	BAPTISTRY	3	4
123	STORAGE 2	1	3
124	STORAGE 1	1	6
125	UTILITY ROOM	1	6
126	PASTOR'S STUDY	14	3
TOTAL MAXIMUM OCCUPANCY OF BUILDING ON THE SANCTUARY SIDE OF THE FIREWALL		257	
103	CLASSROOM 1	15	6
104	CLASSROOM 2	16	6
105	CLASSROOM 3	8	6
106	CLASSROOM 4	8	6
107	CLASSROOM 5	9	6
108	JANITORS CLOSET	1	6
111	COMMON AREA	336	A - 6 B - 1
TOTAL MAXIMUM OCCUPANCY OF BUILDING ON THE COMMON AREA SIDE OF THE FIREWALL		408	
TOTAL BUILDING MAXIMUM OCCUPANCY		665	

LIFE SAFETY PLAN
SCALE: $\frac{3}{16}" = 1'-0"$

MAX OCCUPANCY LOAD
518 PERSONS

SCHEDULE			
SYMBOL	NAME	REMARK	QUANTITY
	EXIT SIGN	LED	6
	EMERGENCY LIGHTS	-	7
	FIRE EXTINGUISHER	ABC TYPE	10
	SMOKE DETECTOR	AC/BATT	8

$\rightarrow 36"$ 36" / 0.2" PER OCCUPANT = 180 OCCUPANTS
 $\rightarrow 72"$ 72" / 0.2" PER OCCUPANT = 360 OCCUPANTS

ISSUED FOR APPROVAL

REVISION NOTES

REV #	DATE	DESCRIPTION
01	10-09-07	ADDED 4 HOUR FIREWALL

P.O. Box 187
130 West Howard Street
Live Oak FL 32064
Phone: (386) 362-3678
Fax: (386) 362-6133
Auth. # 9461

STRUCTURAL/CIVIL ENGINEER Gary Gill, PE 51942

7TH DAY ADVENTIST CHURCH
NEW WORSHIP CENTER
COLUMBIA COUNTY, FLORIDA

LIFE SAFETY

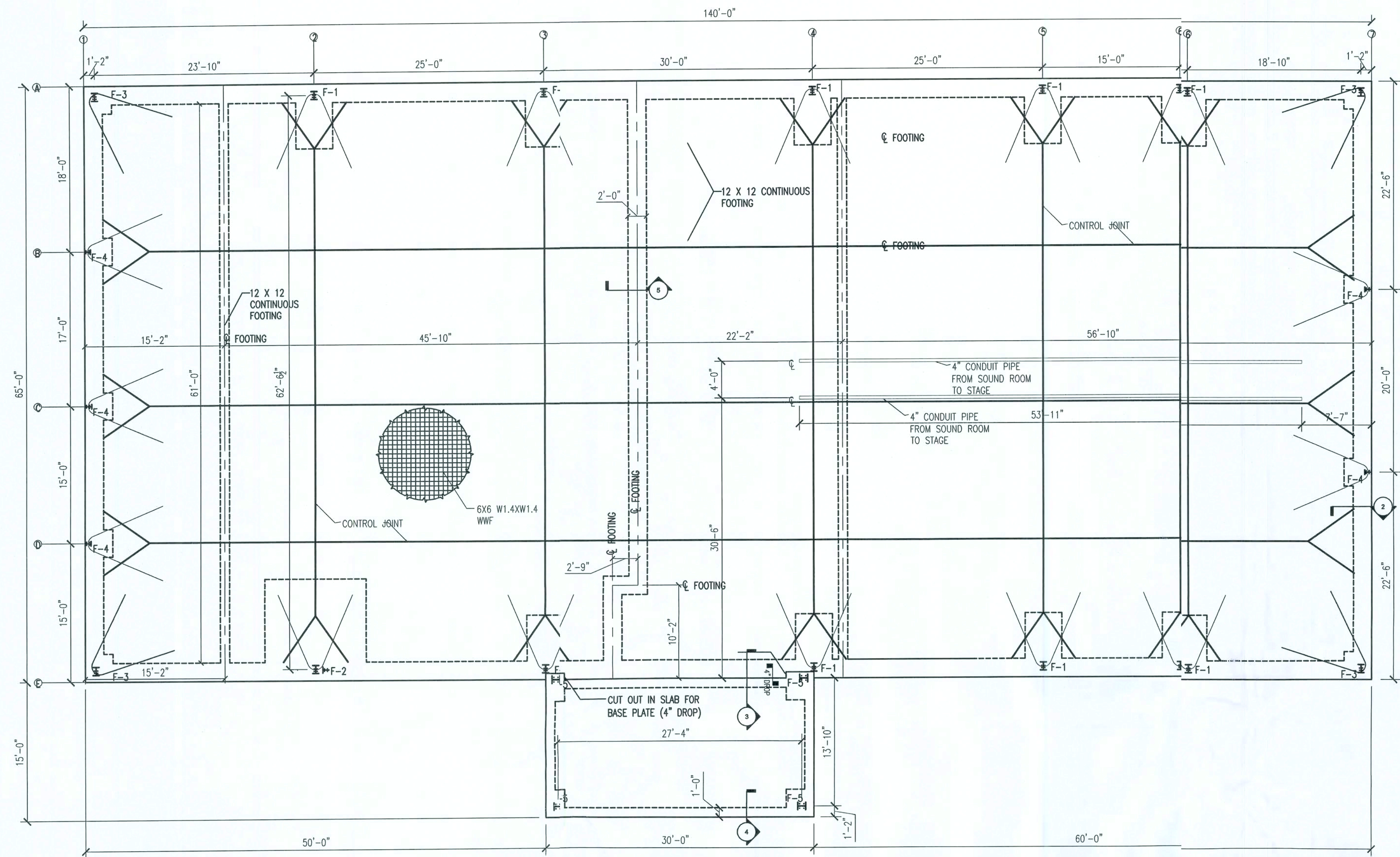
PROJECT NUMBER
PF06-193S

DRAWN BY
-

CHECKED BY
G.G.

A-4.0

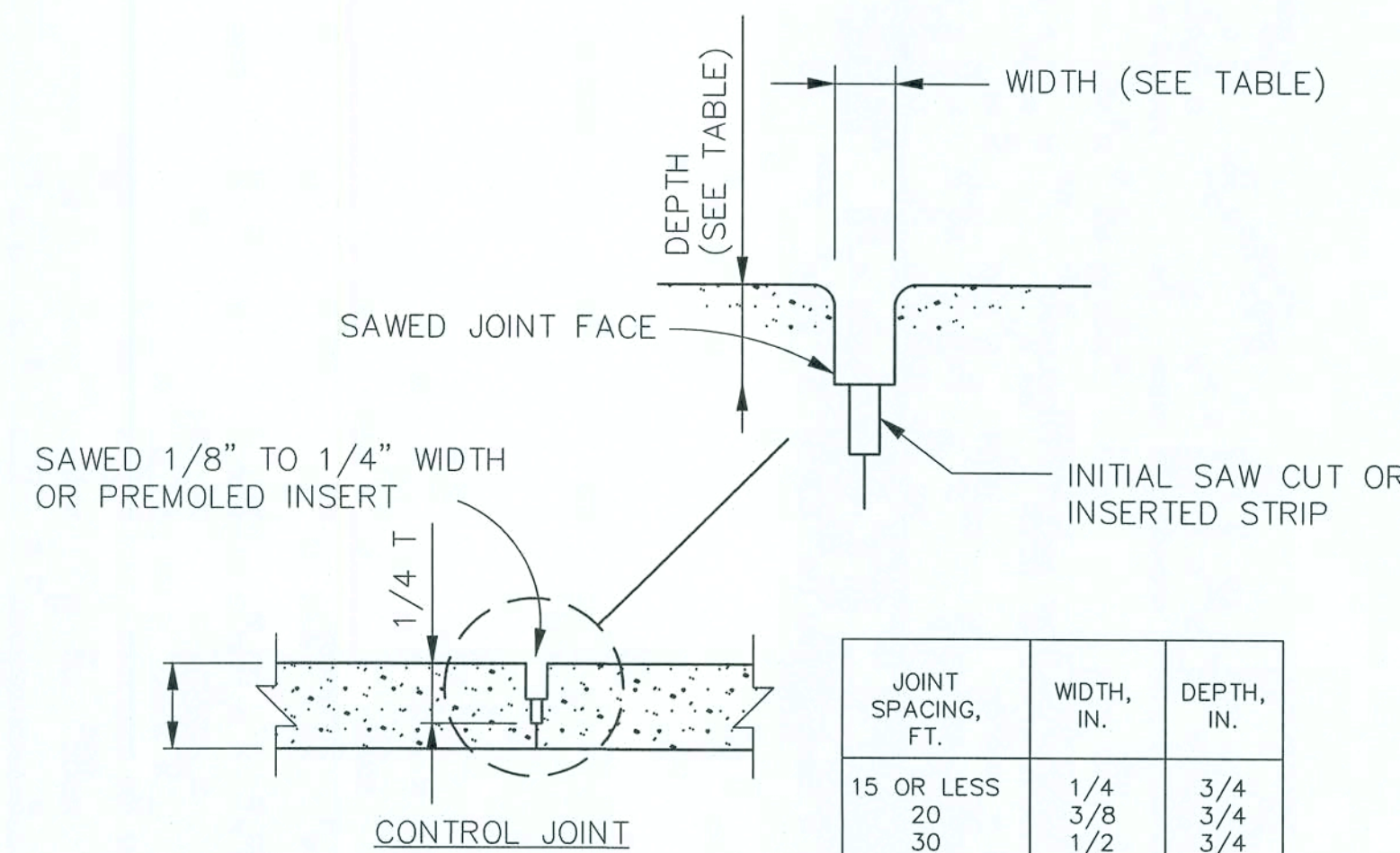
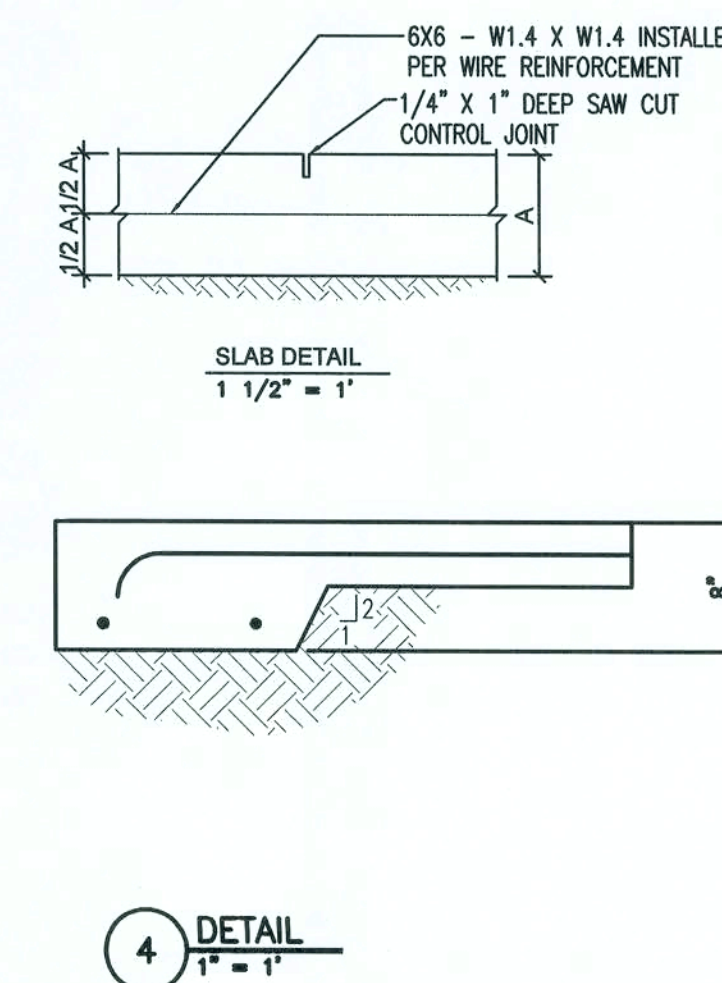
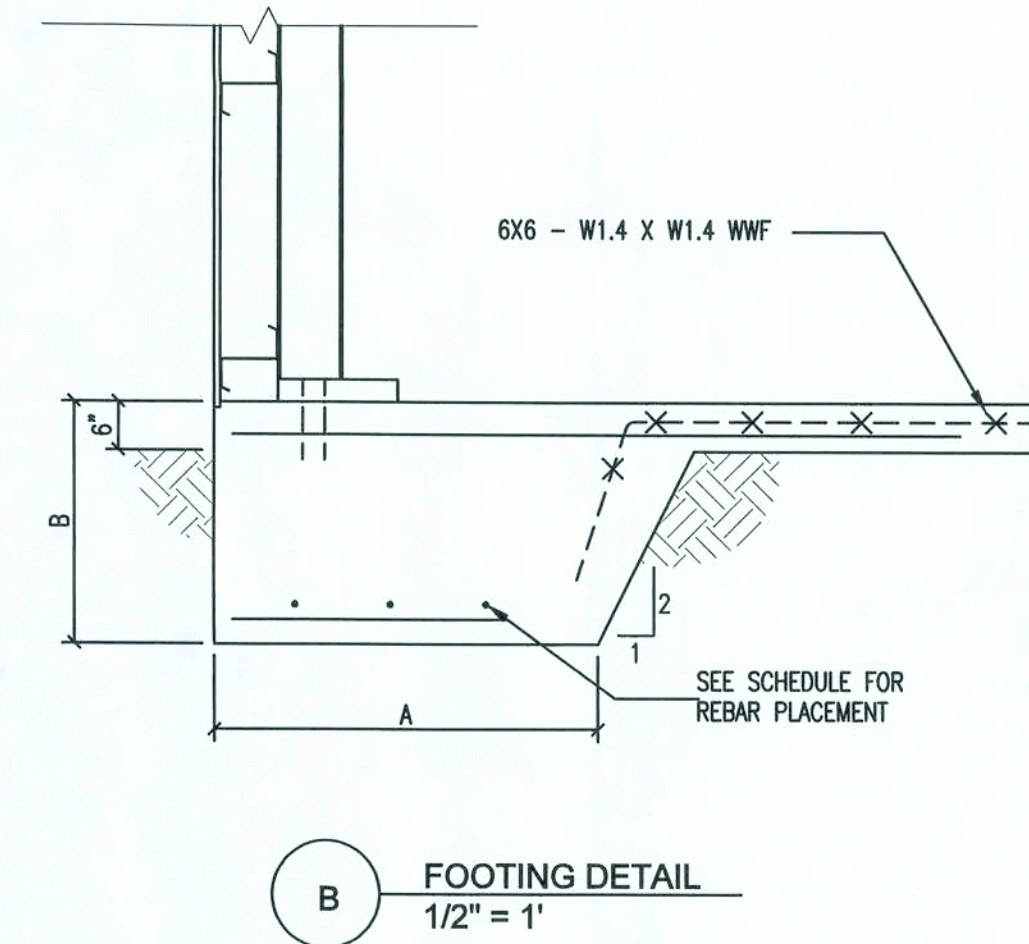
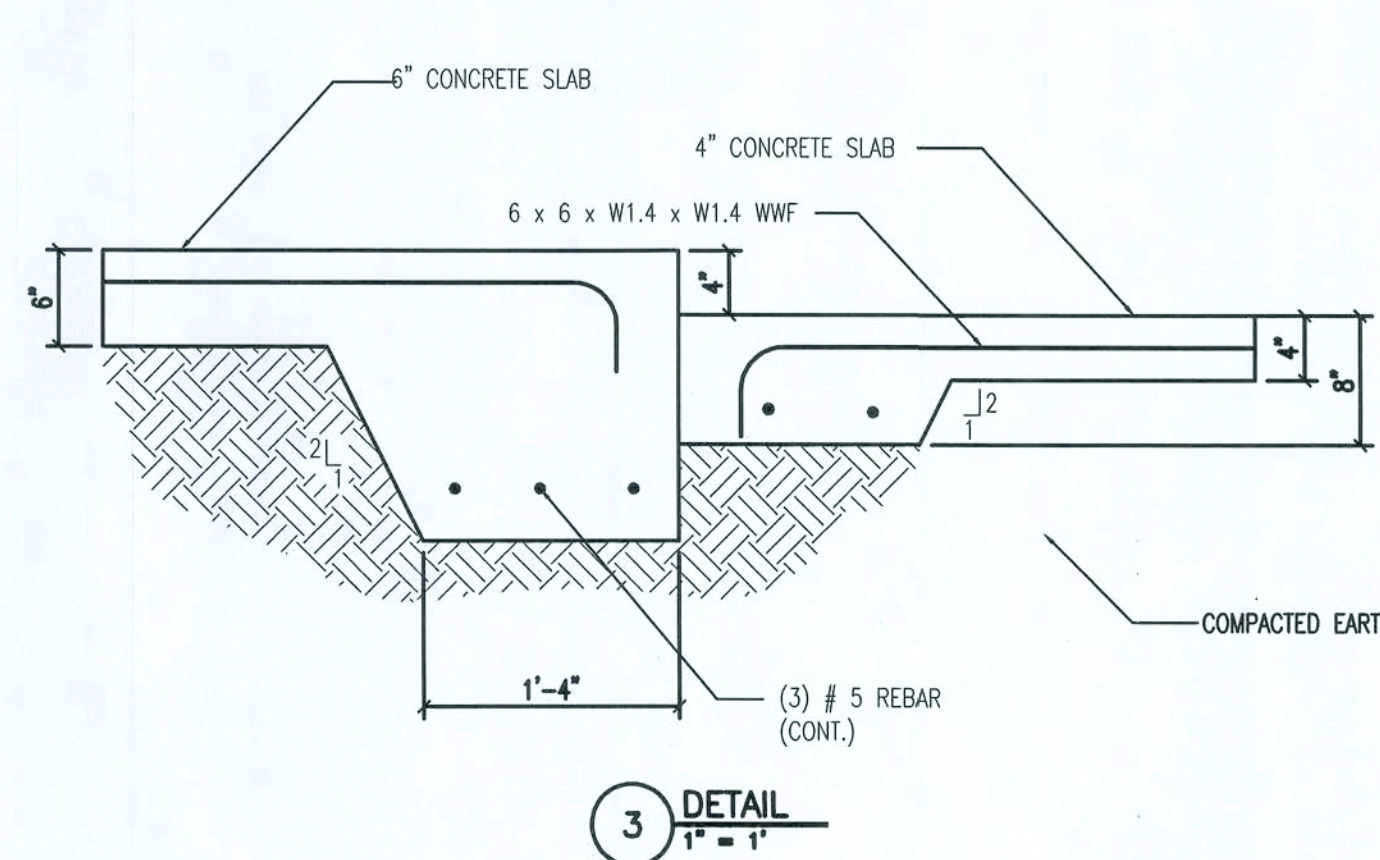
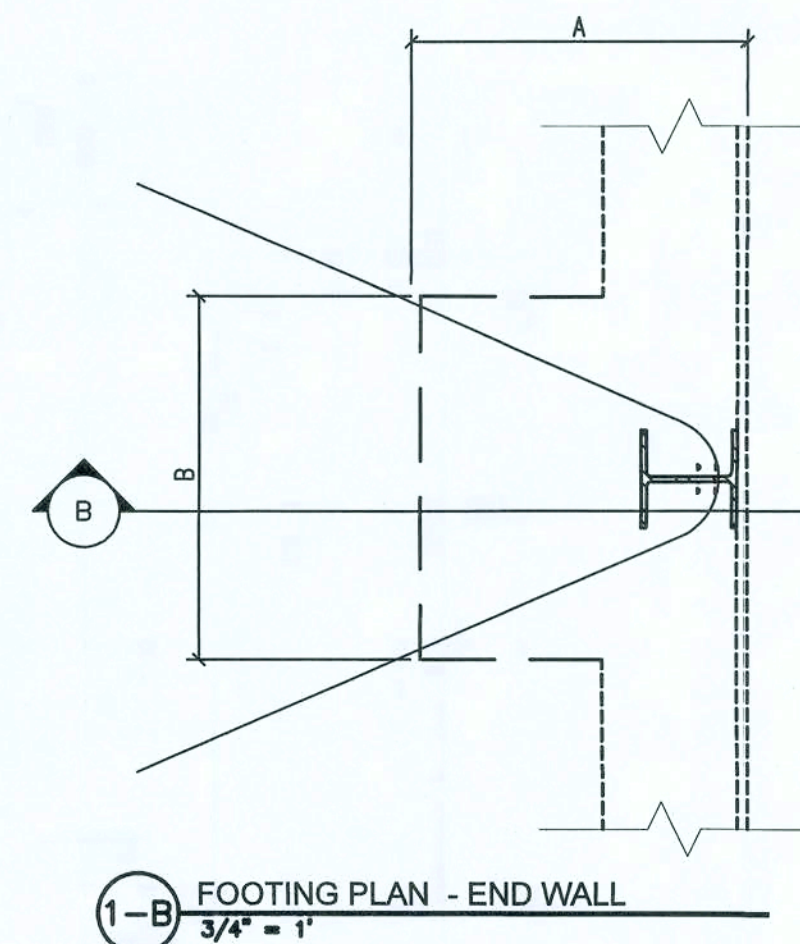
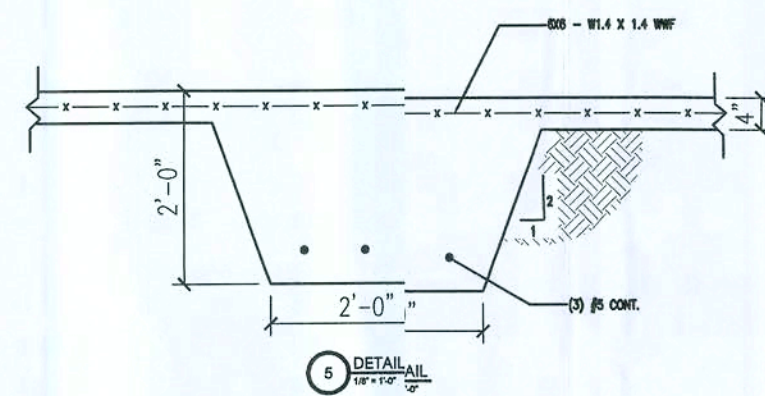
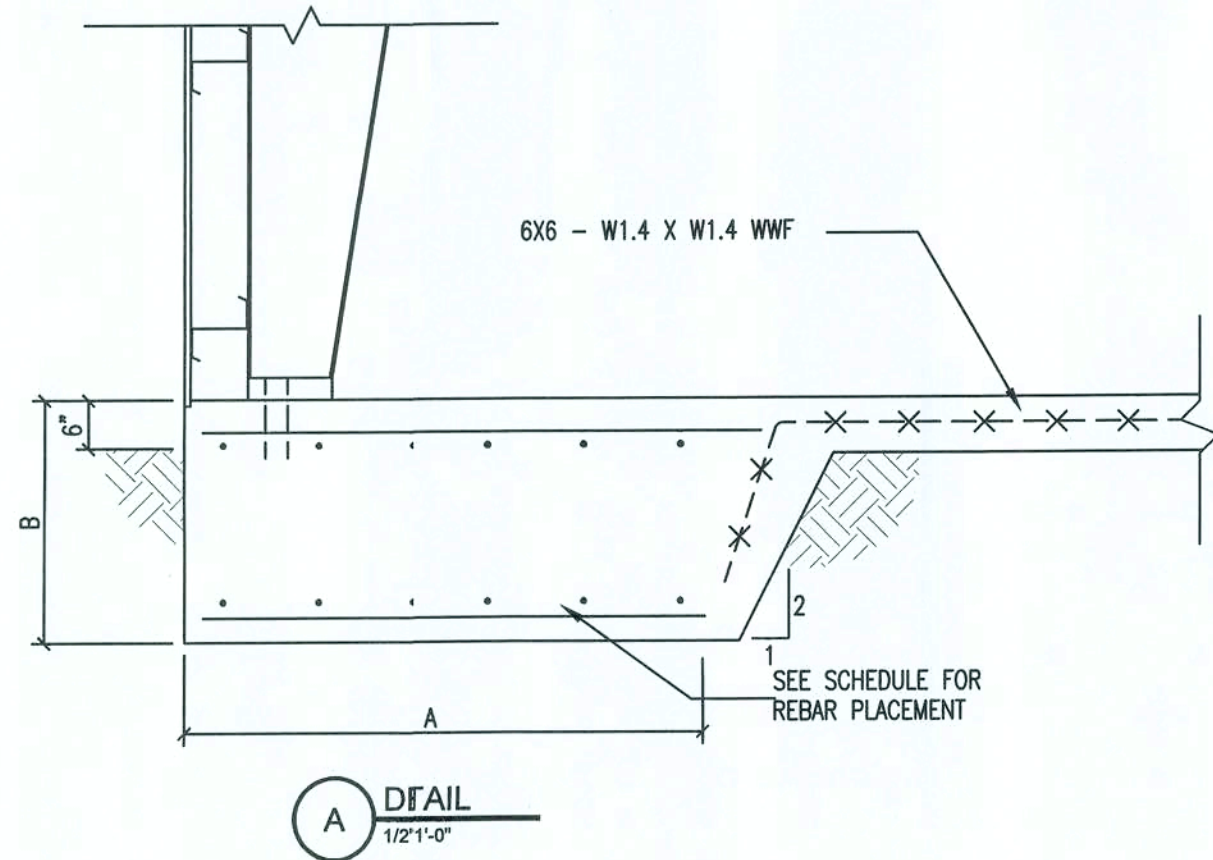
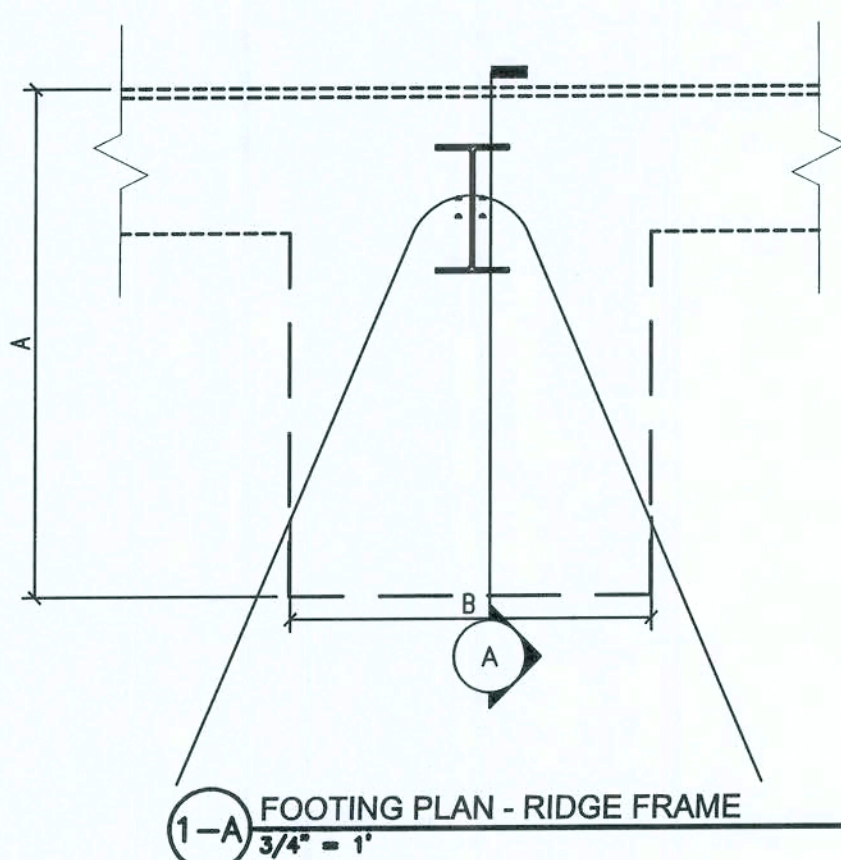
SHEET 6 OF 15



NOTES:

1. ALL MATERIALS USED TO PRODUCE CONCRETE AND ADMIXTURES FOR CONCRETE SHALL COMPLY WITH ACI 318.
2. CONCRETE AGGREGATES SHALL CONFORM TO ASTM C150.
3. CONCRETE SHALL HAVE A SPECIFIED COMPRESSIVE STRENGTH OF NOT LESS THAN 3000 PSI.

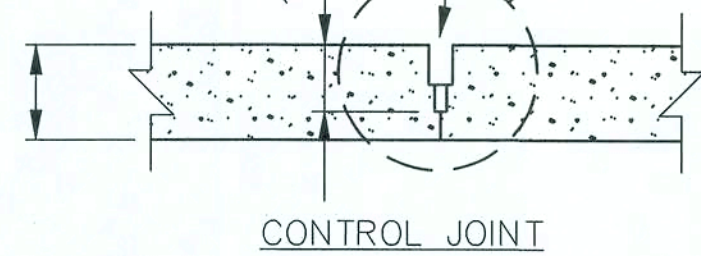
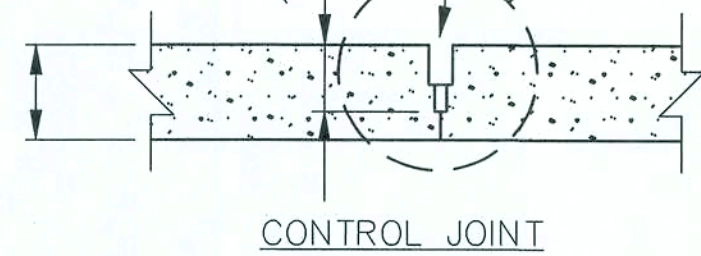
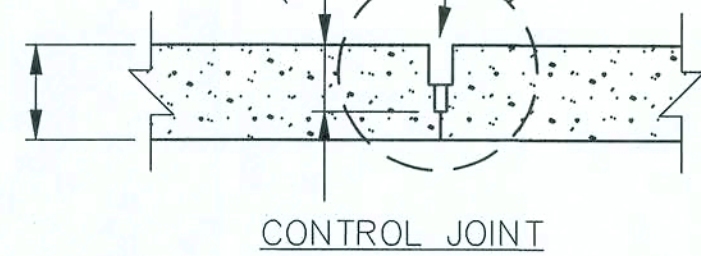
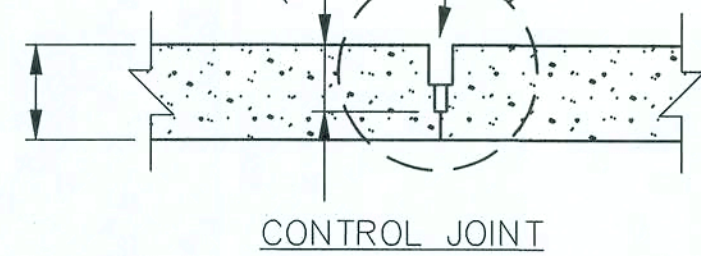
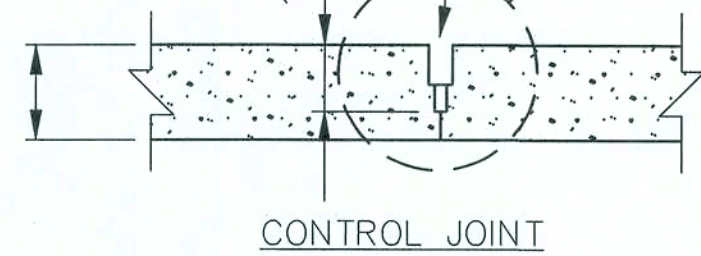
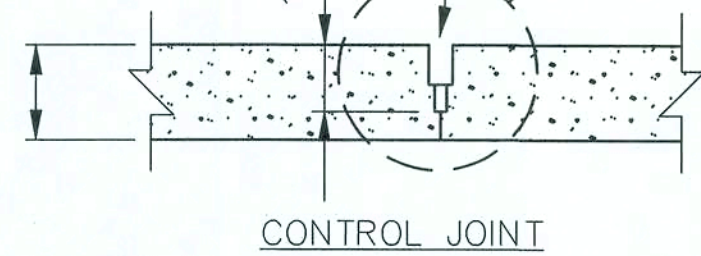
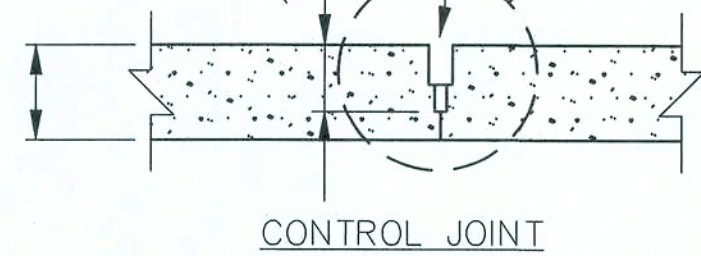
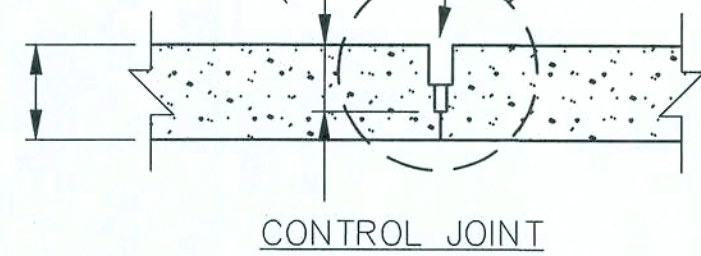
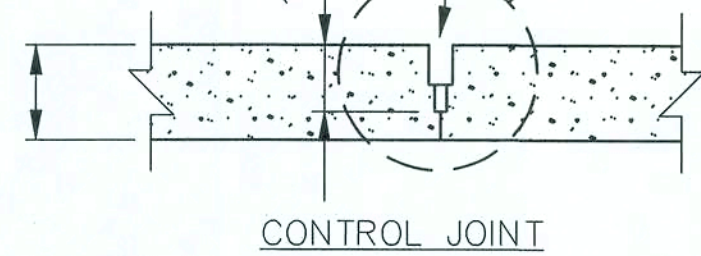
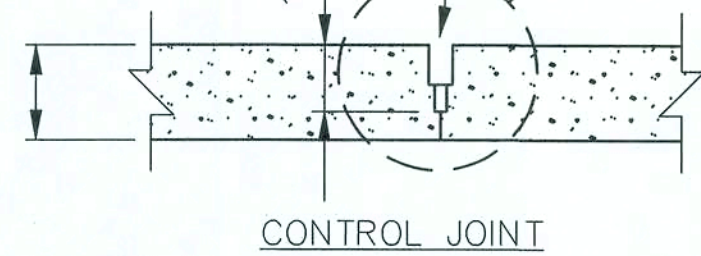
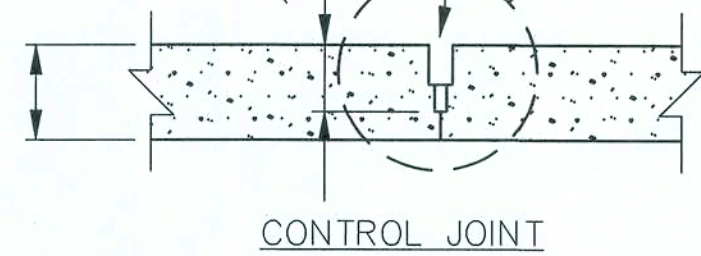
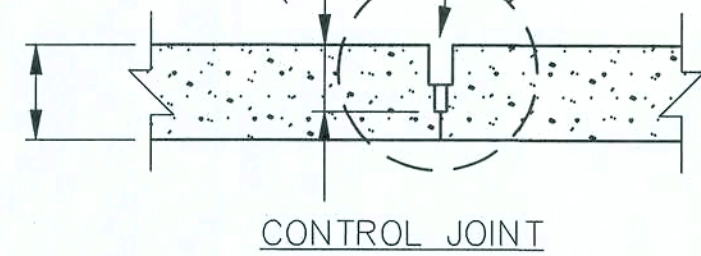
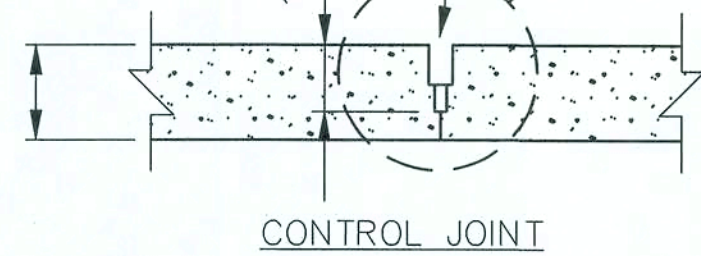
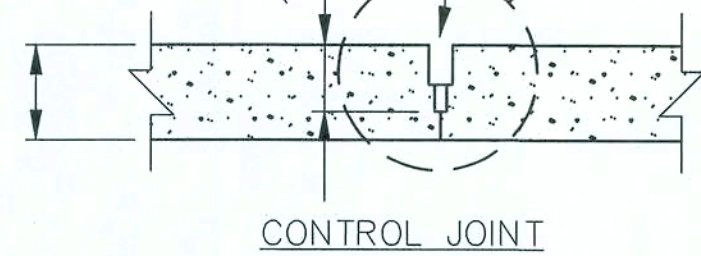
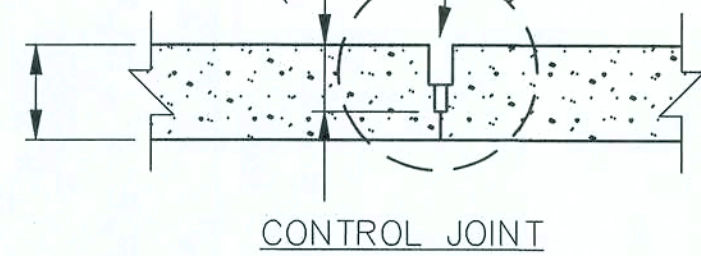
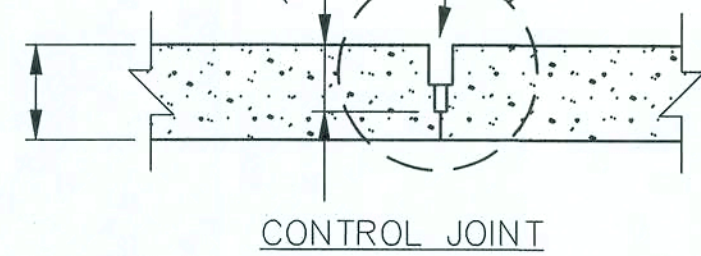
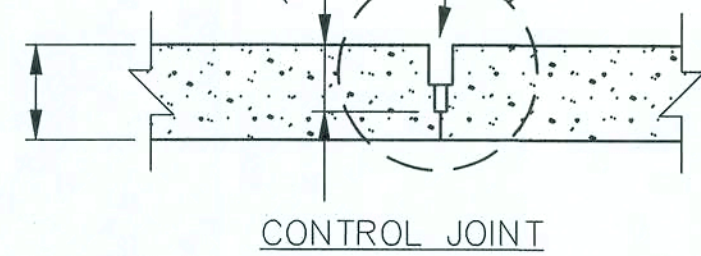
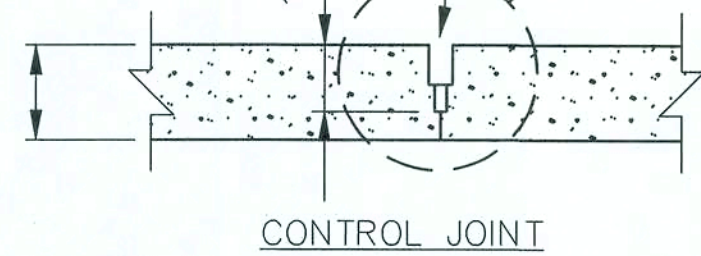
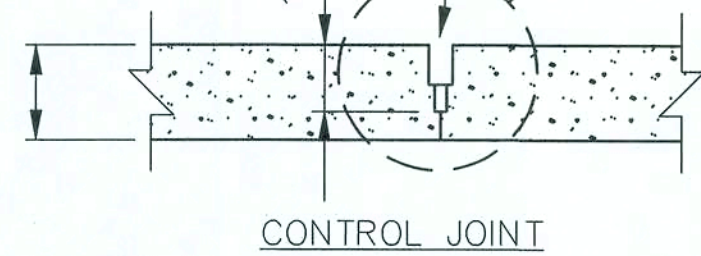
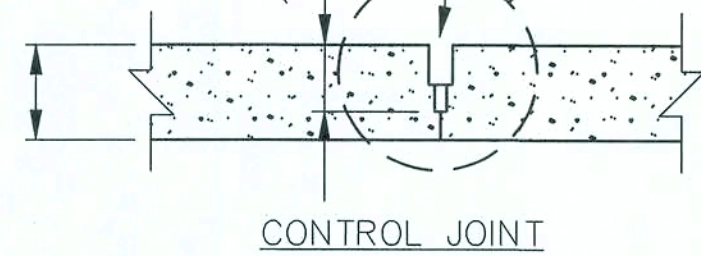
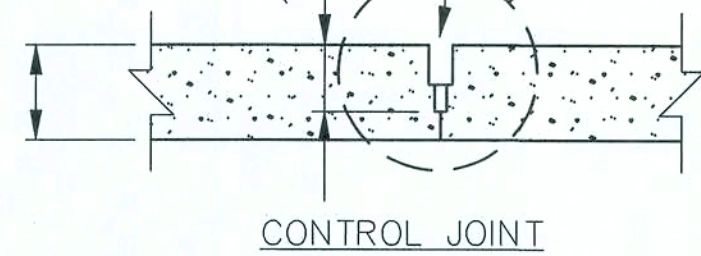
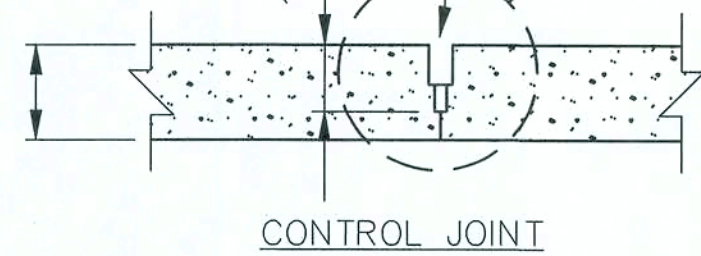
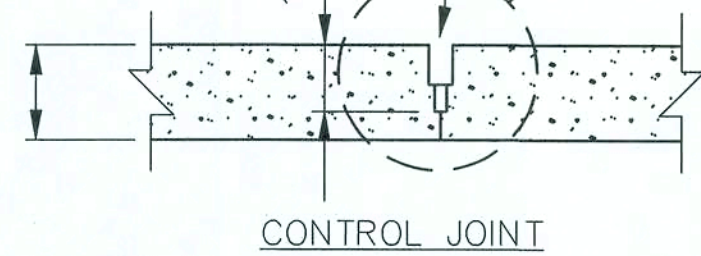
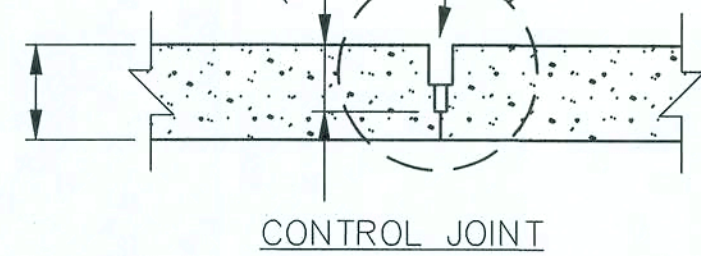
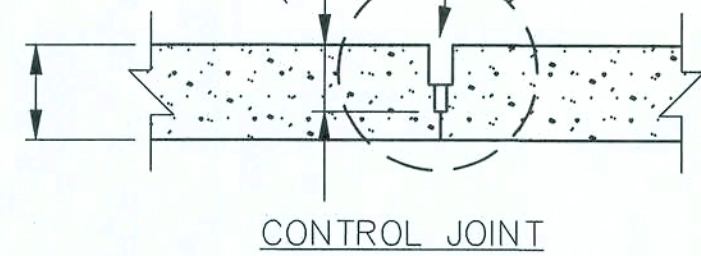
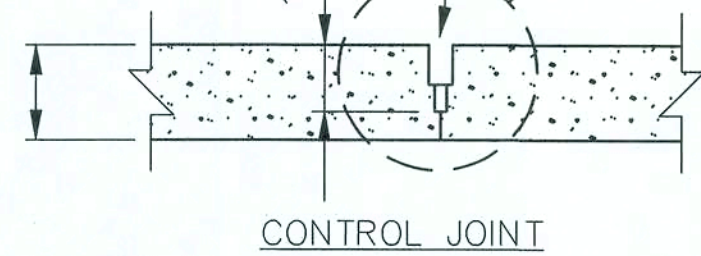
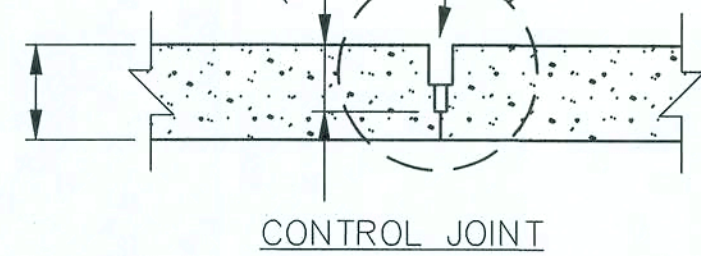
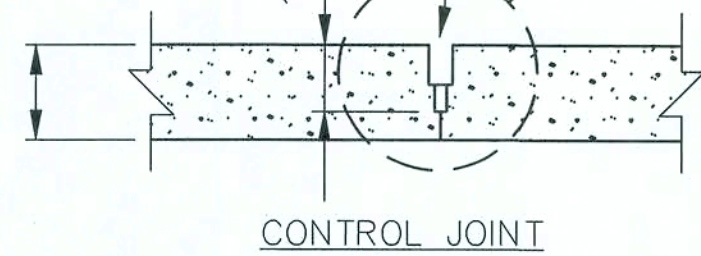
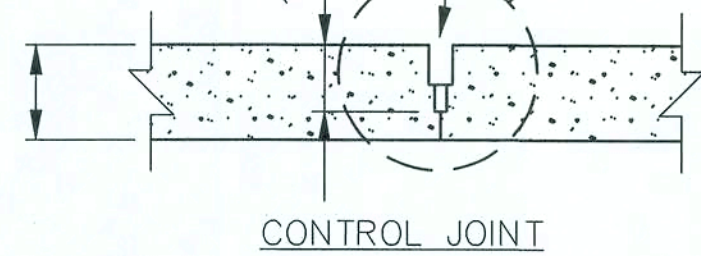
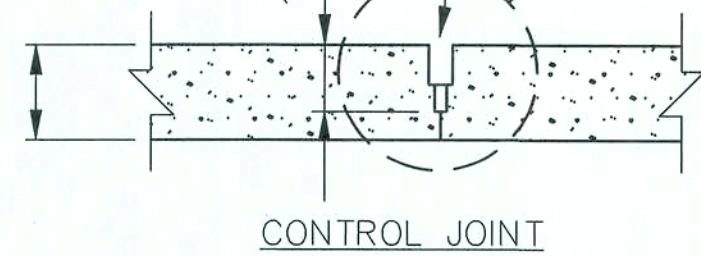
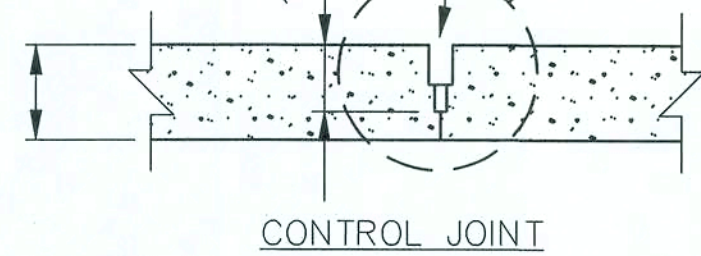
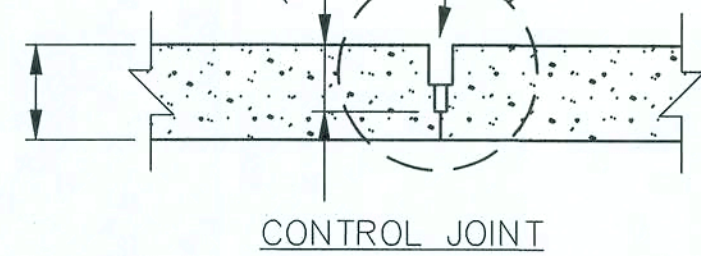
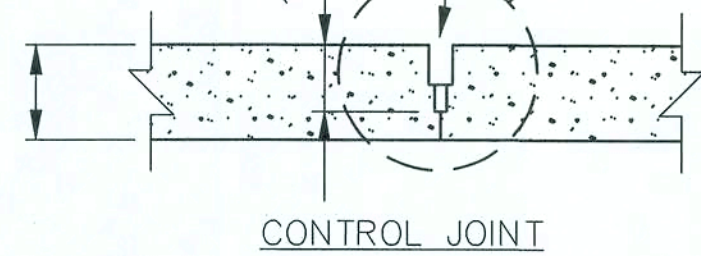
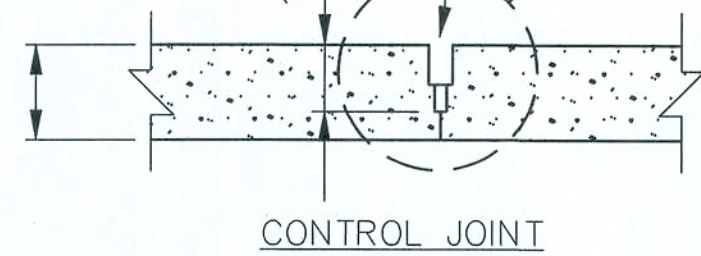
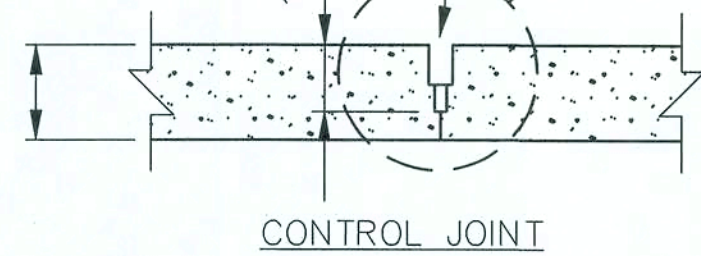
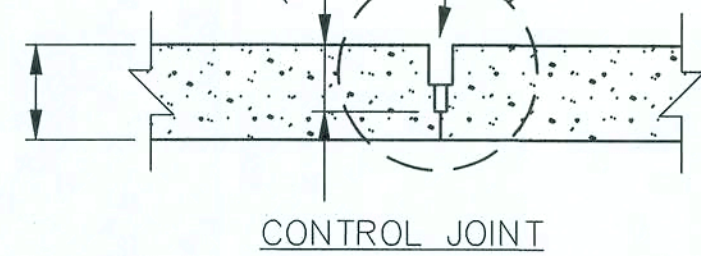
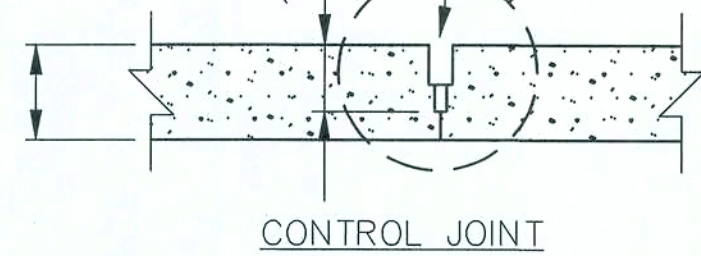
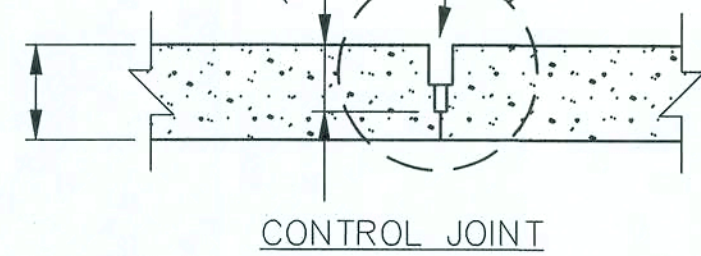
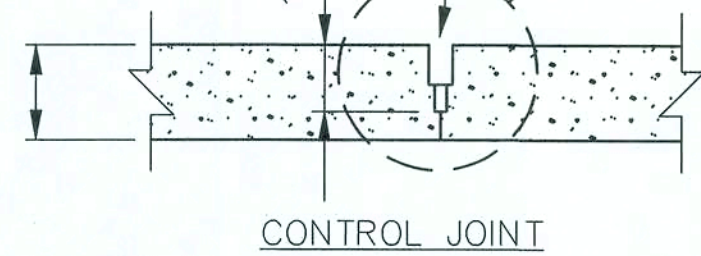
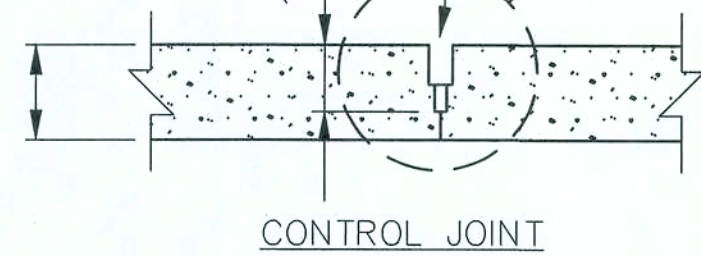
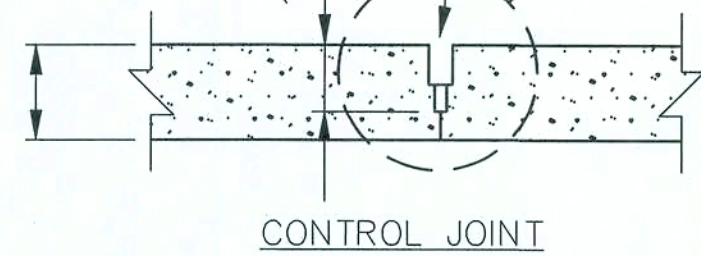
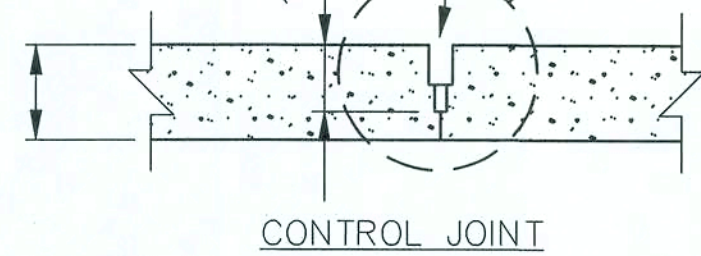
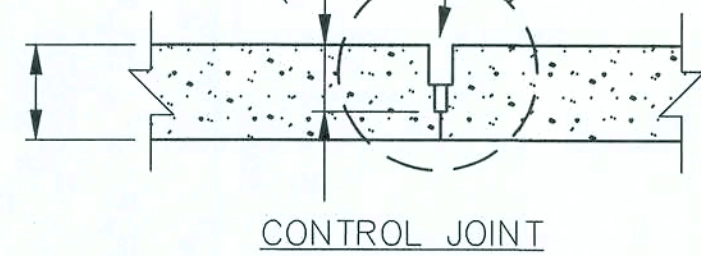
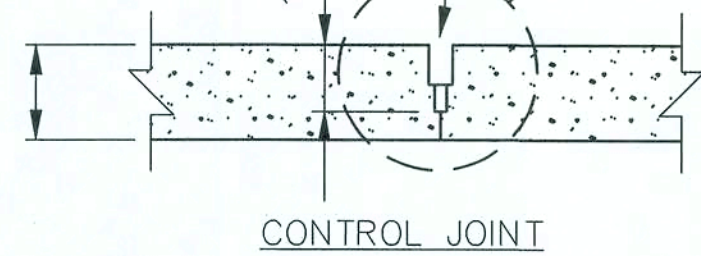
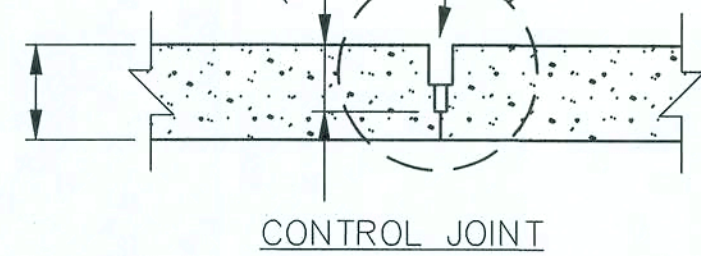
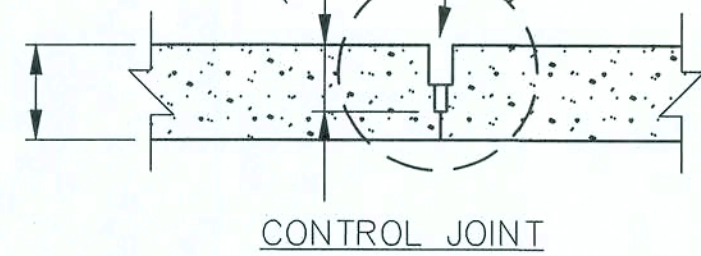
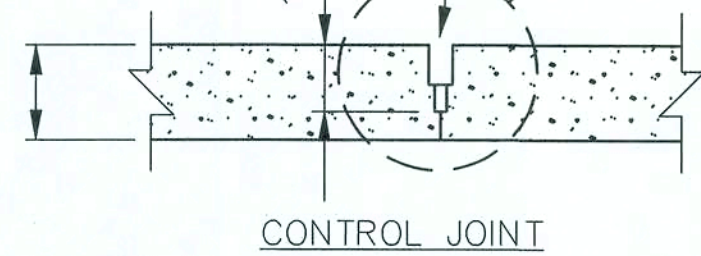
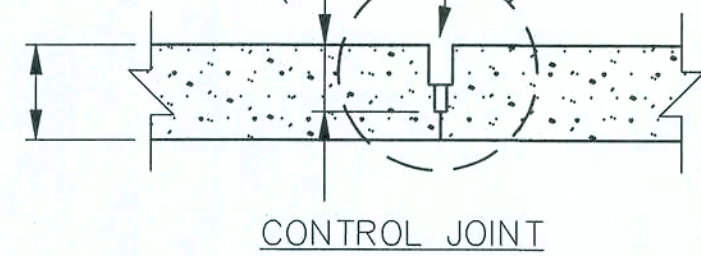
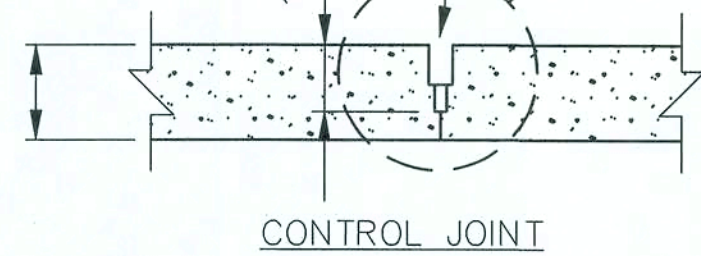
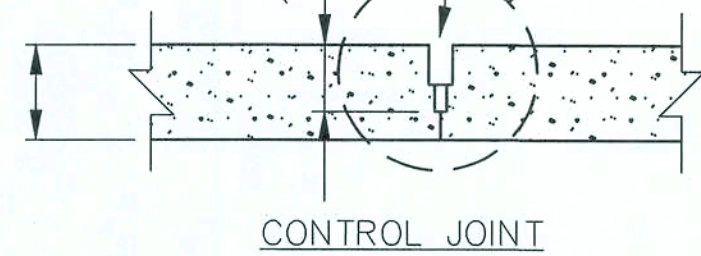
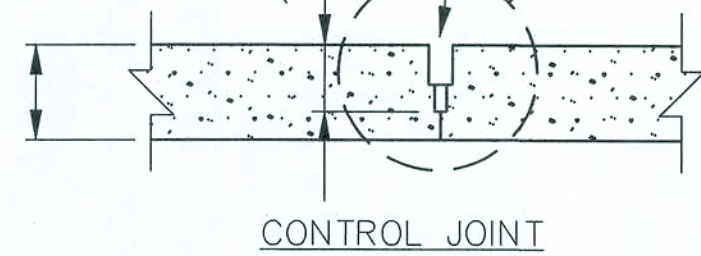
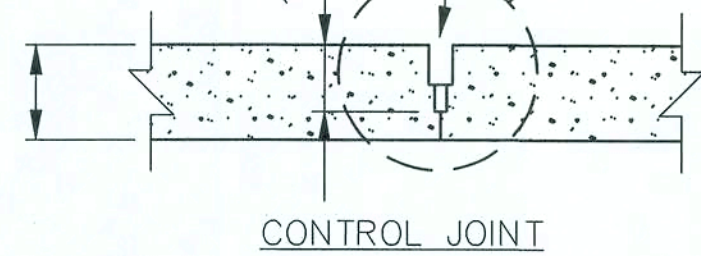
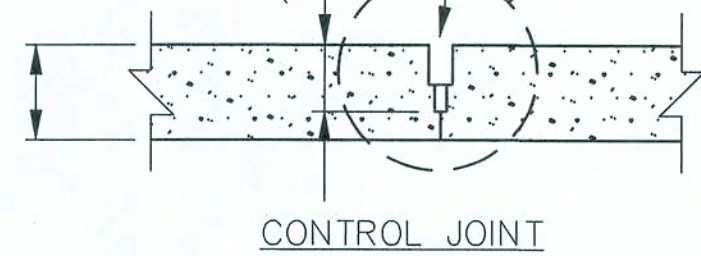
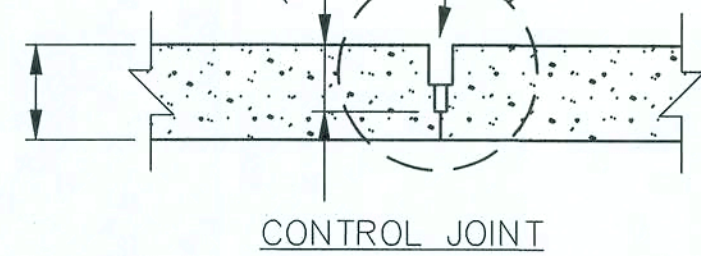
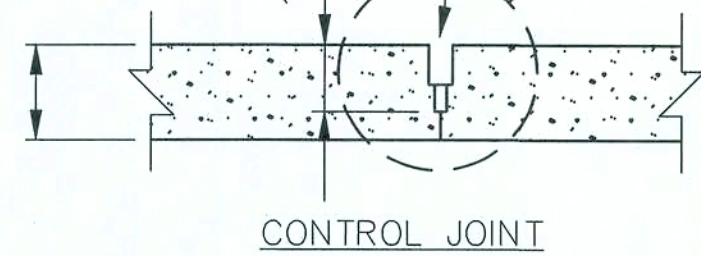
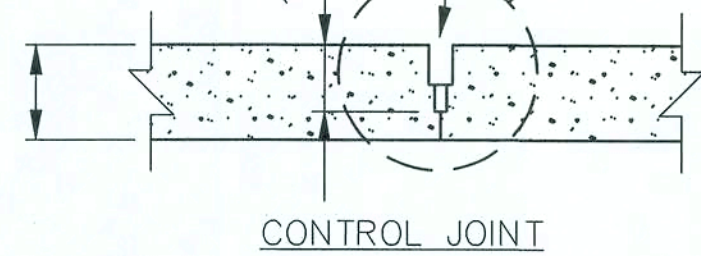
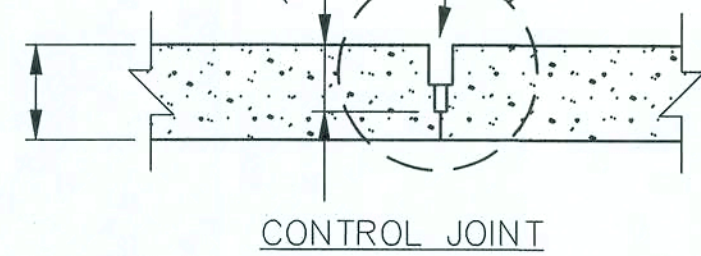
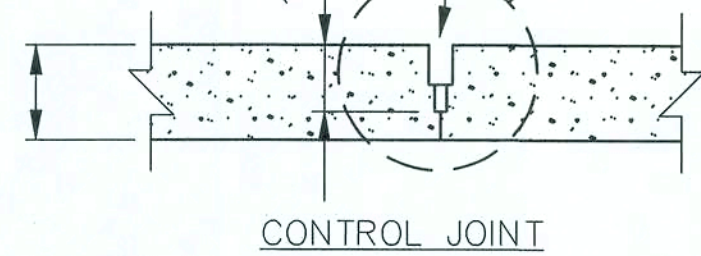
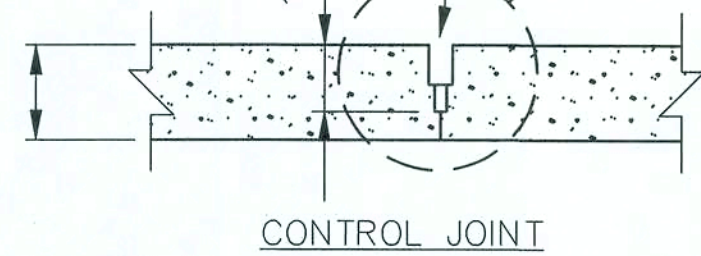
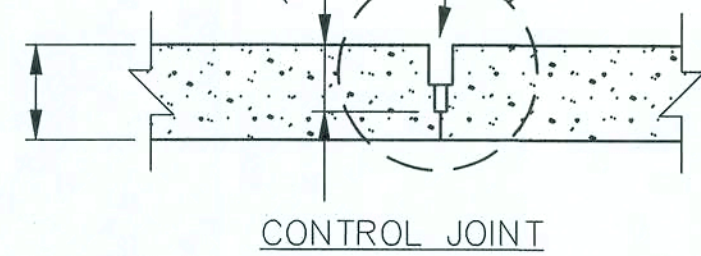
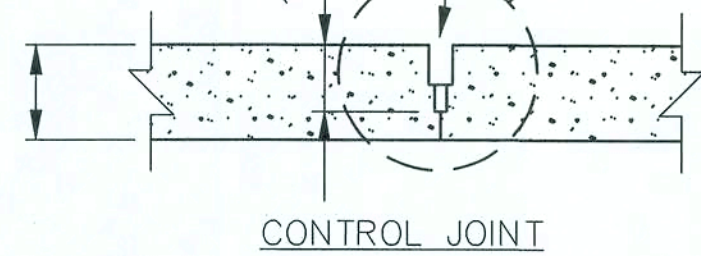
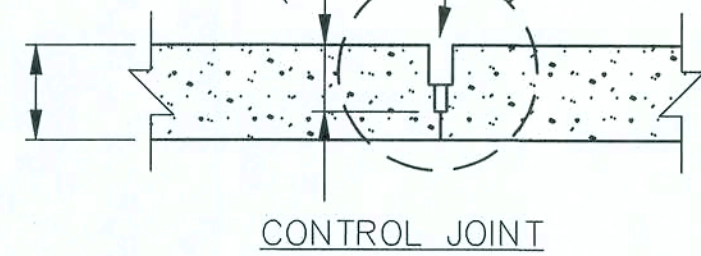
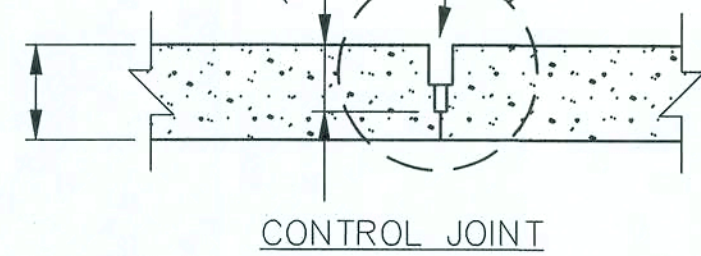
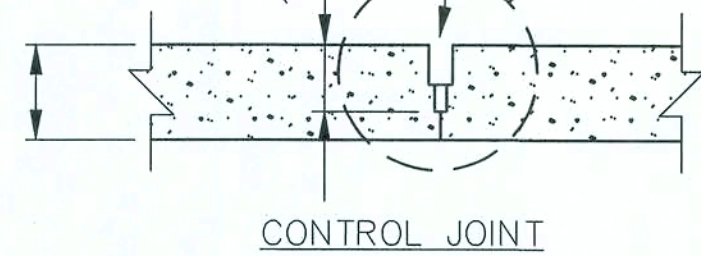
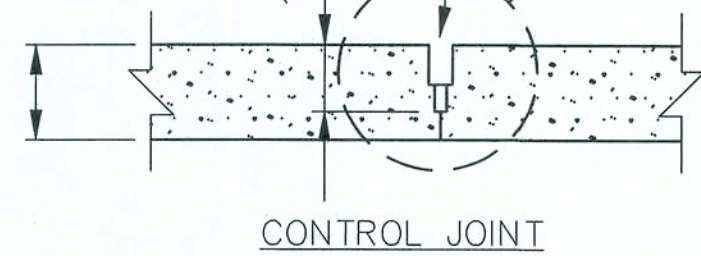
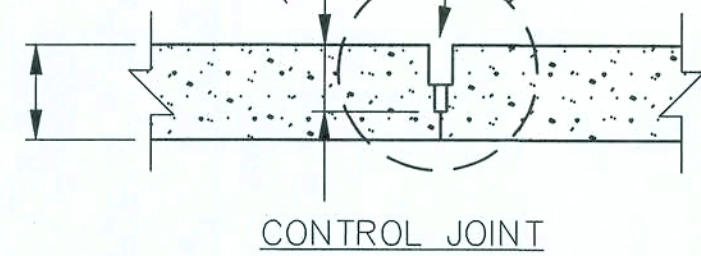
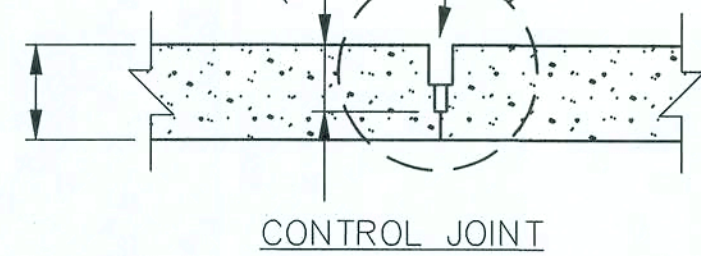
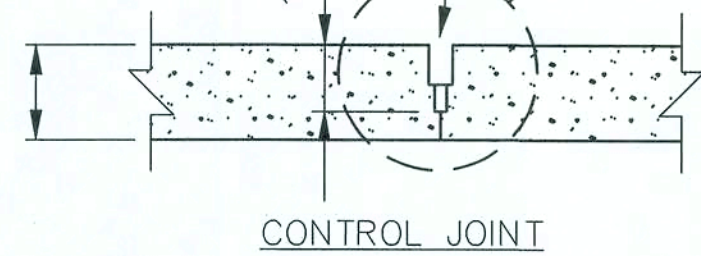
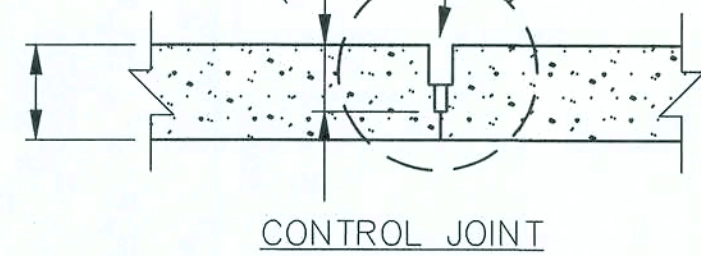
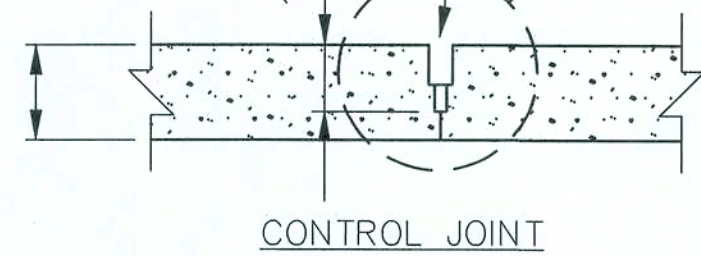
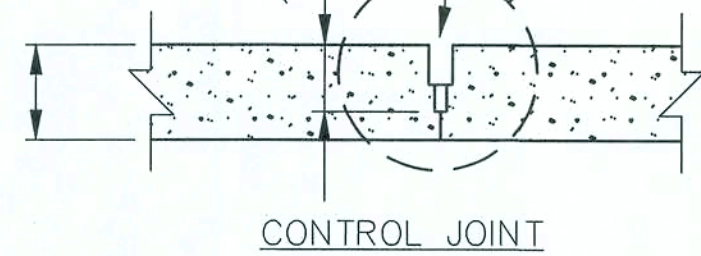
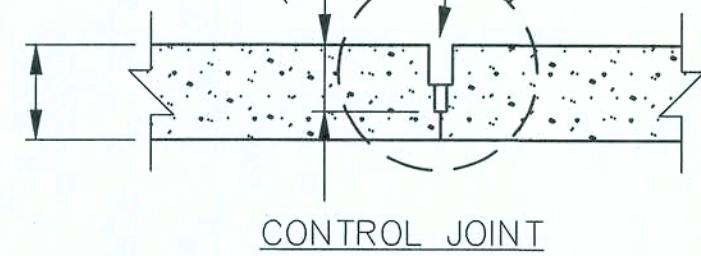
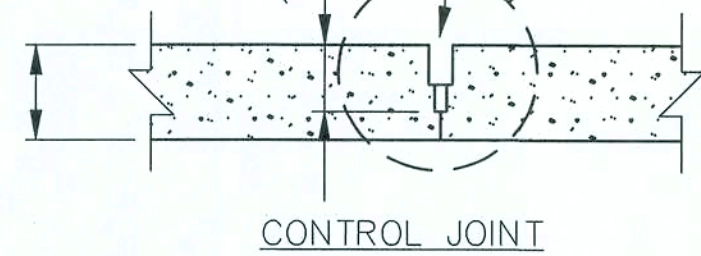
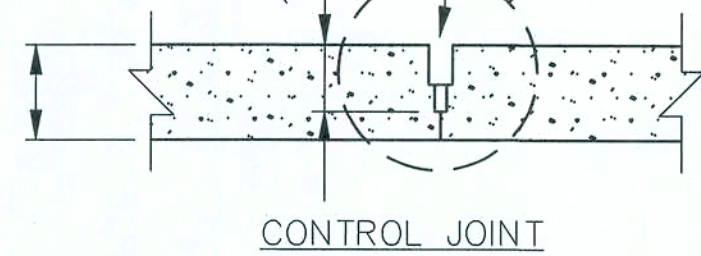
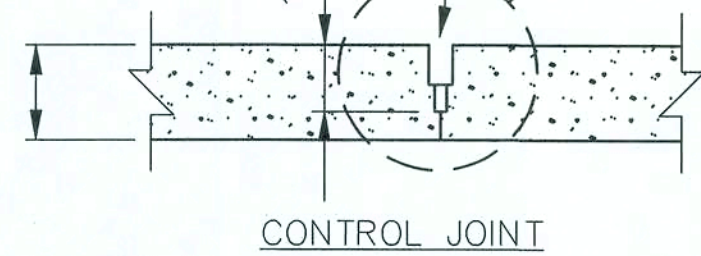
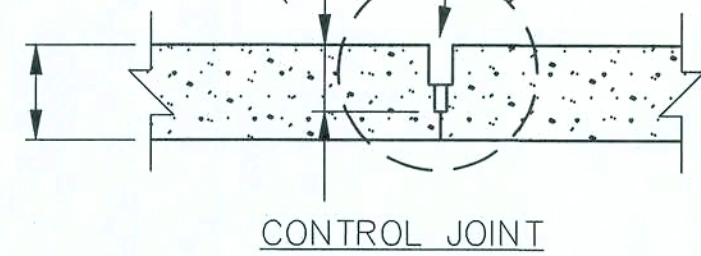
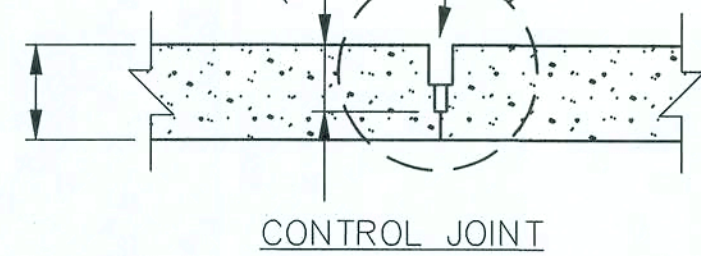
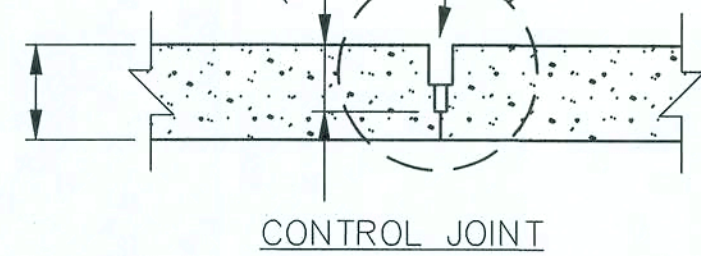
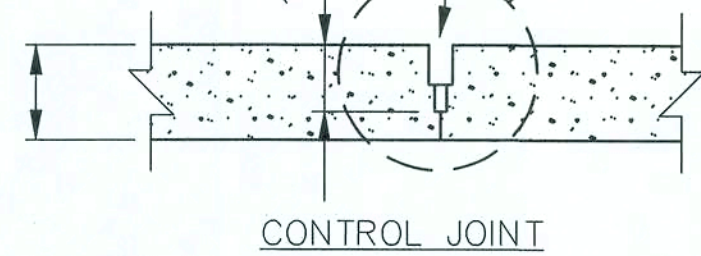
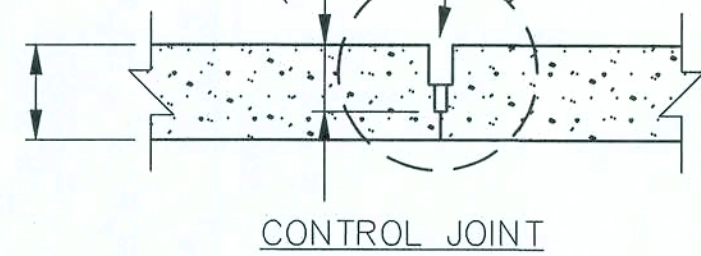
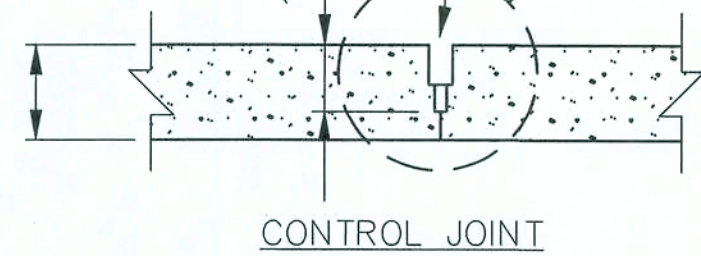
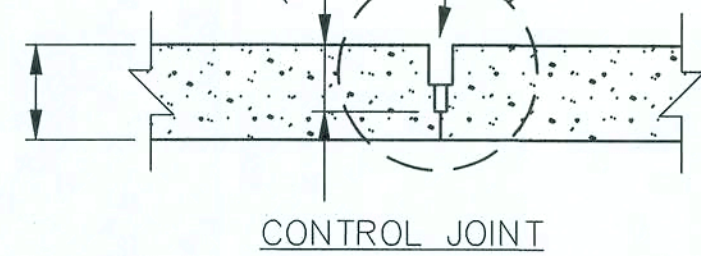
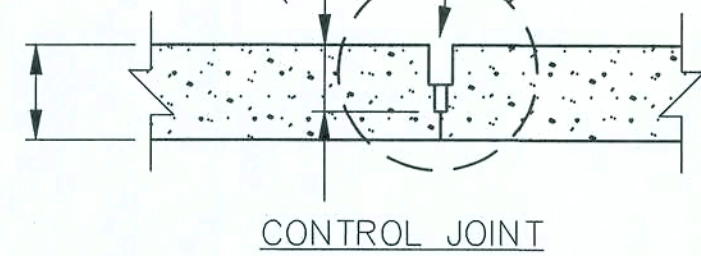
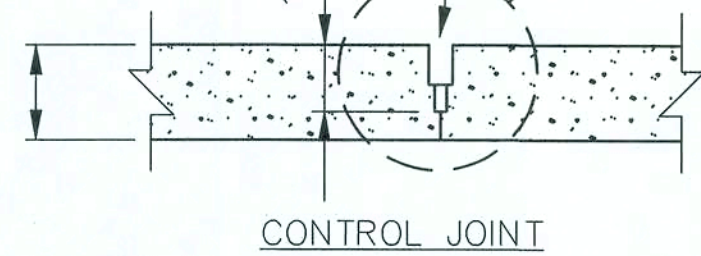
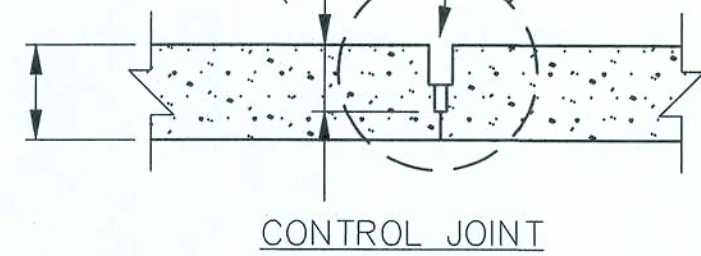
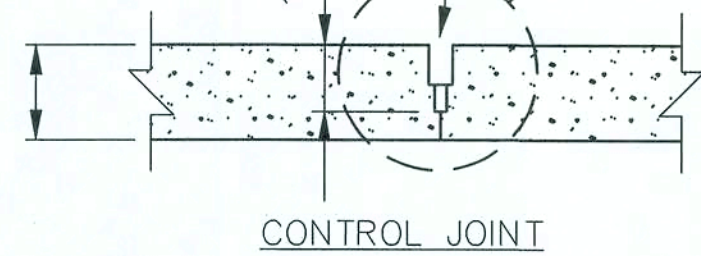
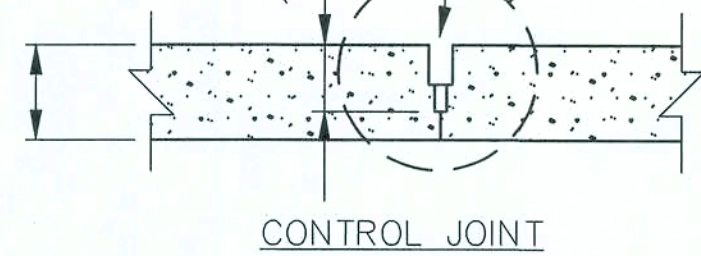
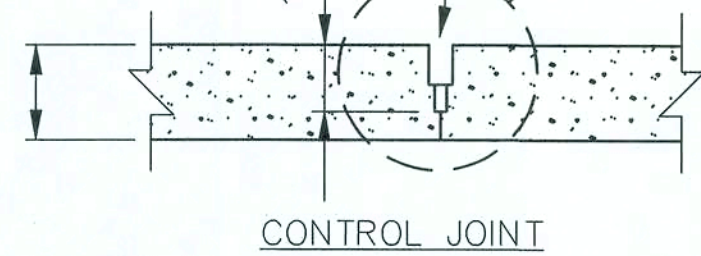
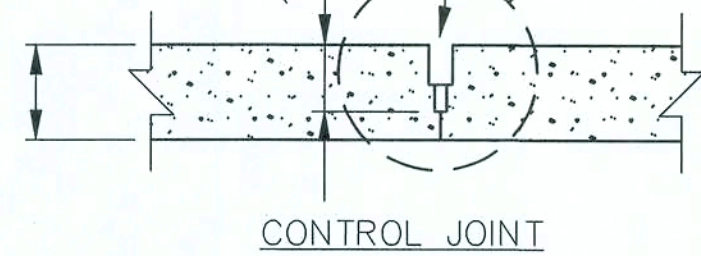
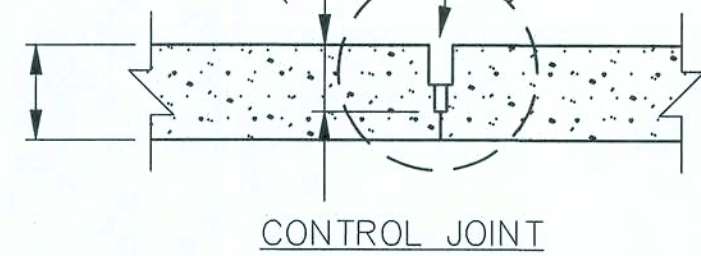
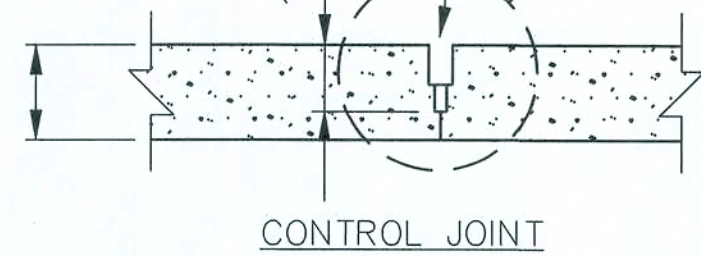
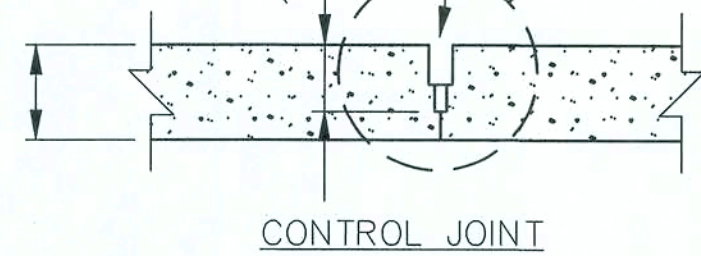
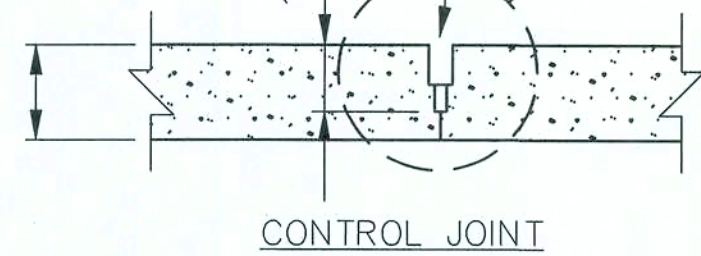
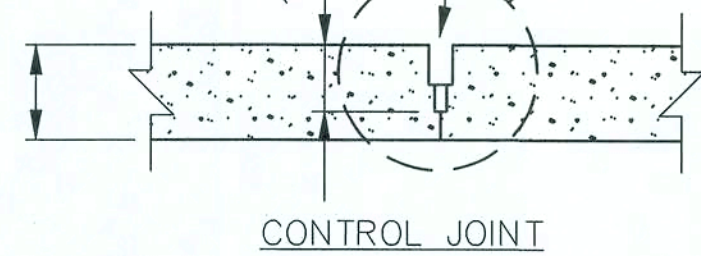
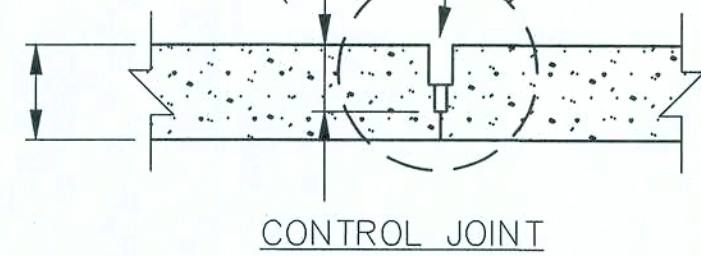
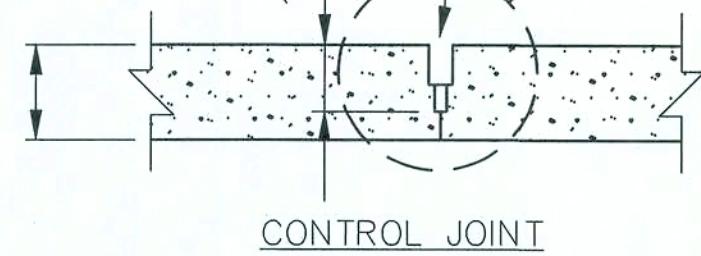
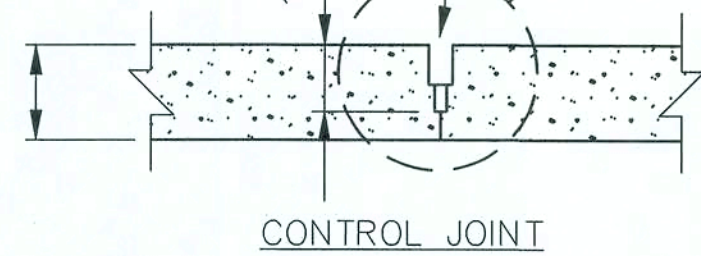
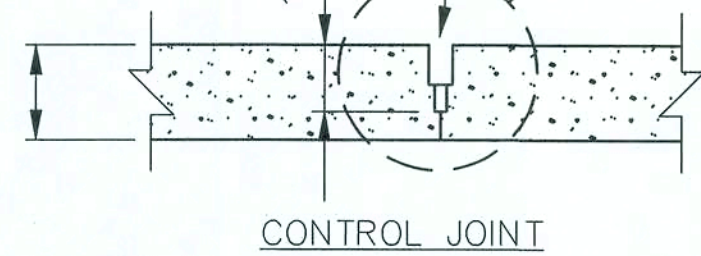
FOUNDATION PLAN
SCALE: 1" = 1'-0"

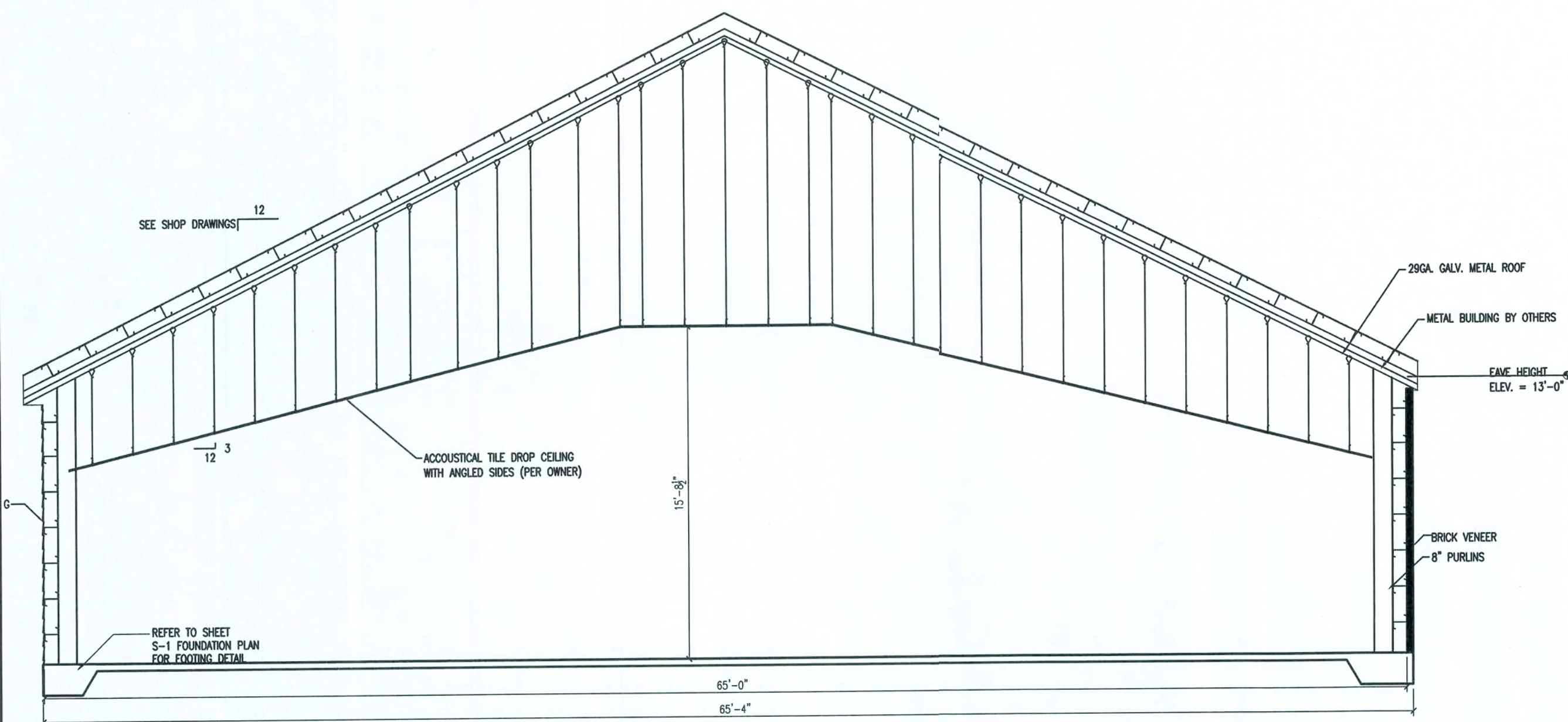


CONTROL JOINT (C.J.)

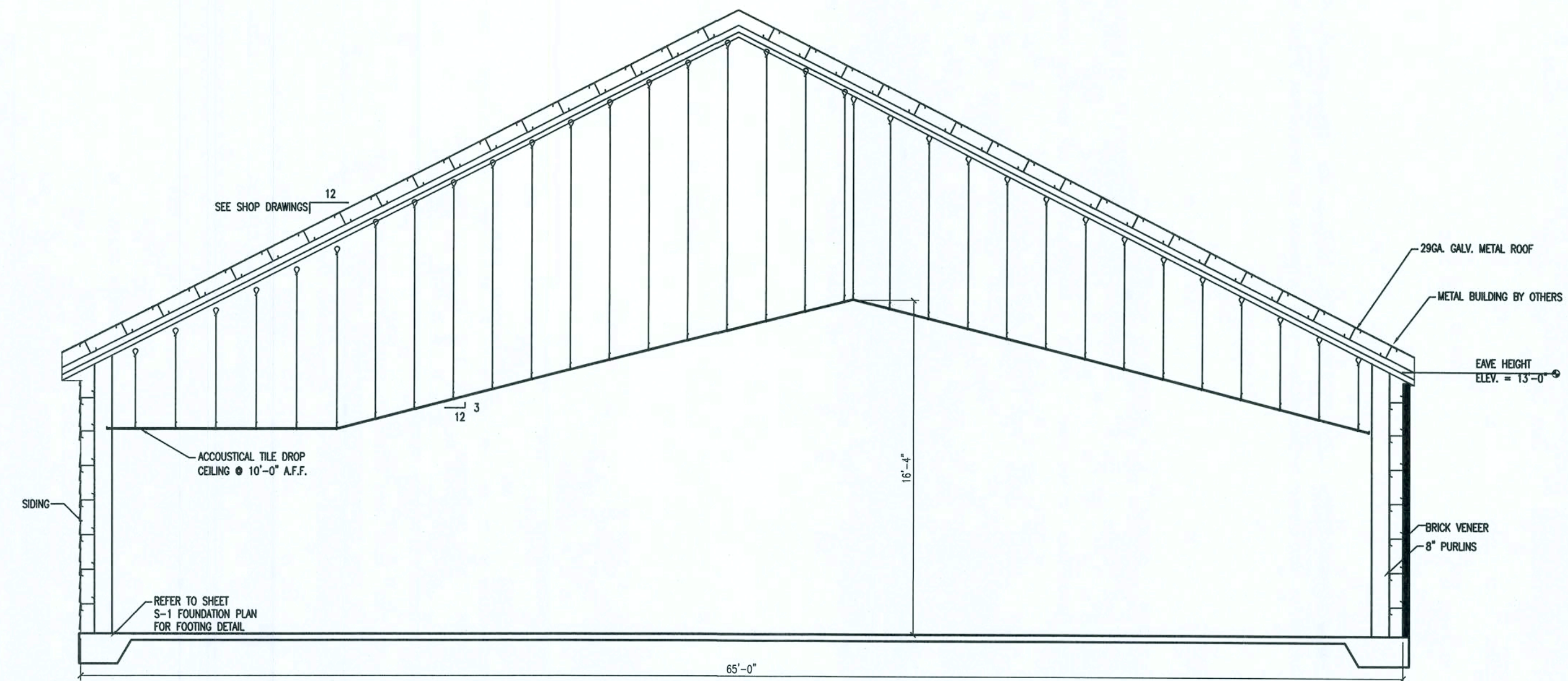
FOOTING MARK	FOOTING DIMENSIONS			DETAIL MARK	SECTION MARK	BOTTOM REBAR	TOP REBAR	ANCHOR BOLT		
	A	B	C					DIAMETER	TOTAL LENGTH	EMBEDMENT
F-1	7'-0"	4'-0"	2'-6"	A	1-A	(5) #5 E.W.	(5) #5 E.W.	0'-0 3/4"	1'-6"	1'-0"
F-2	11'-0"	11'-0"	2'-6"	A	1-A	(5) #5 E.W.	(5) #5 E.W.	0'-0 3/4"	1'-6"	1'-0"
F-3	3'-0"	3'-0"	2'-6"	B	1-B	(5) #5 E.W.	(5) #5 E.W.	0'-0 3/4"	1'-6"	1'-0"
F-4	3'-0"	3'-0"	2'-6"	B	1-B	(3) #5 E.W.	(3) #5 E.W.	0'-0 5/8"	1'-6"	1'-0"
F-5	3'-0"	3'-0"	2'-6"	B	1-B	(3) #5 E.W.	(3) #5 E.W.	0'-0 3/4"	1'-6"	1'-0"

JOINT SPACING, FT.	WIDTH, IN.	DEPTH, IN.
15 OR LESS	1/4	3/4
20	3/8	3/4
30	1/2	3/4
40	5/8	1

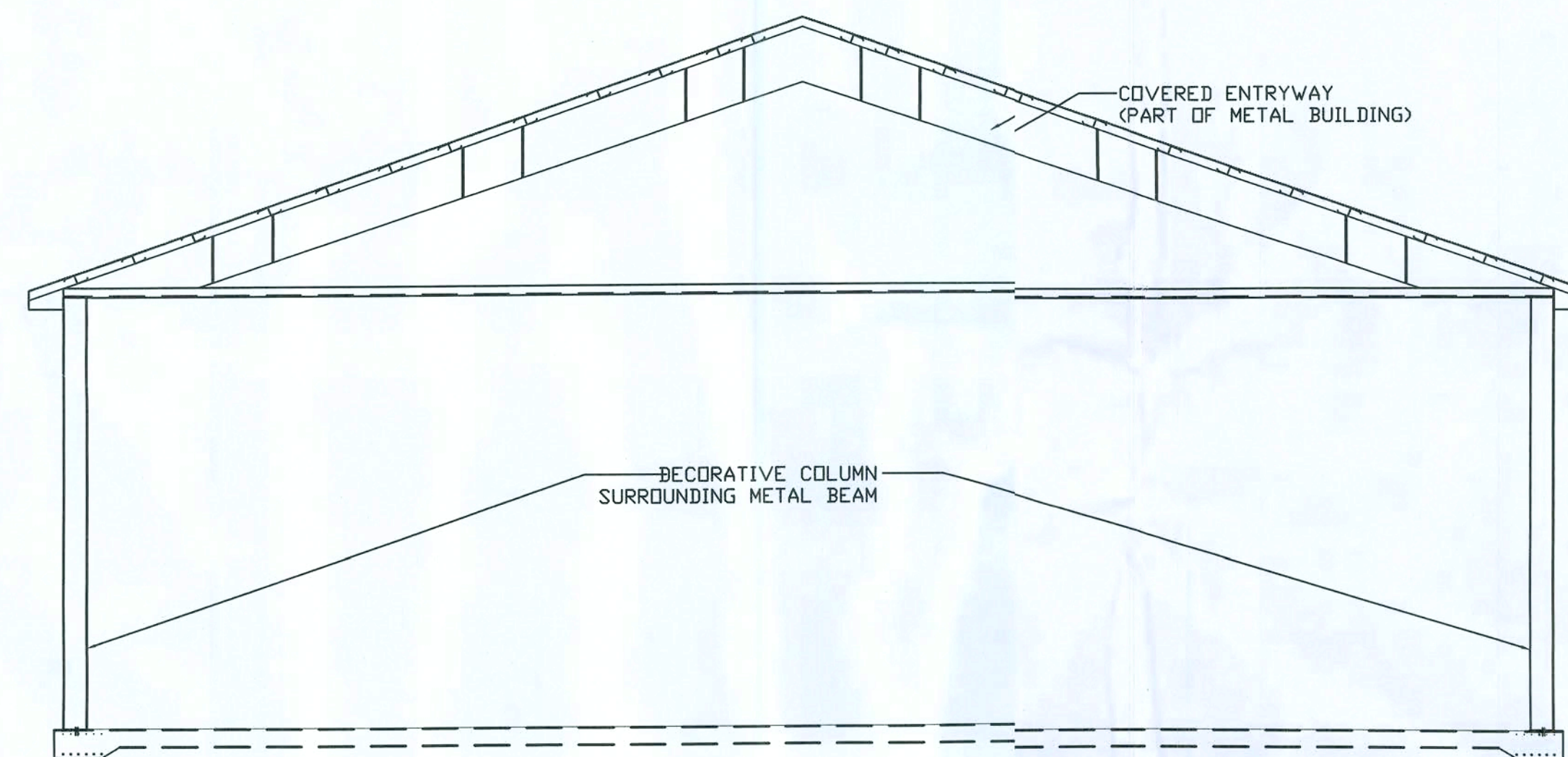




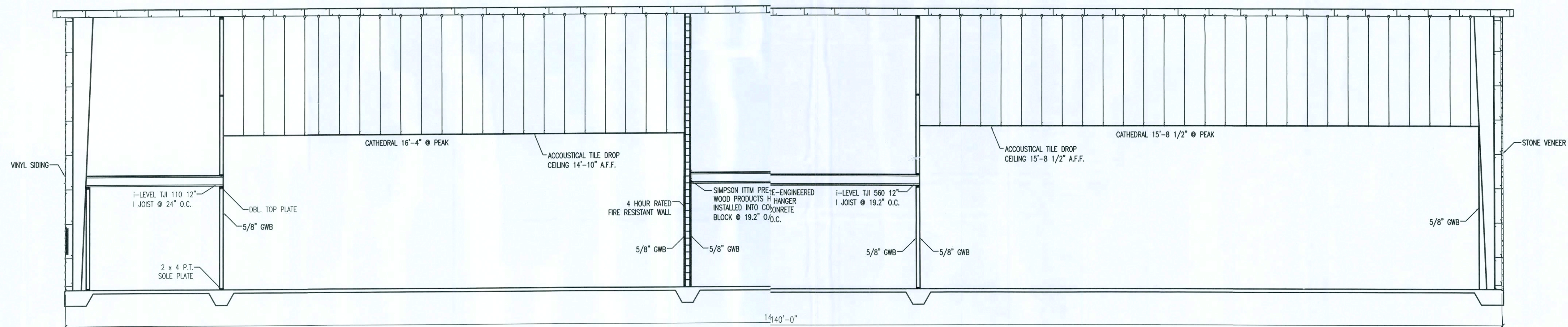
B SECTION - SANCTUARY
1/4" = 1'



A DINING AREA
1/4" = 1'



D COVERED ENTRYWAY
1/4" = 1'



C SECTION - LONGITUDINAL
3/16" = 1'-0"

ISSUED FOR APPROVAL

7TH DAY ADVENTIST CHURCH
NEW WORSHIP CENTER
COLUMBIA COUNTY, FLORIDA

SECTIONS

PROJECT NUMBER
PF06-193S
DRAWN BY
-
CHECKED BY
G.G.

S-2.0

SHEET 8 OF 15

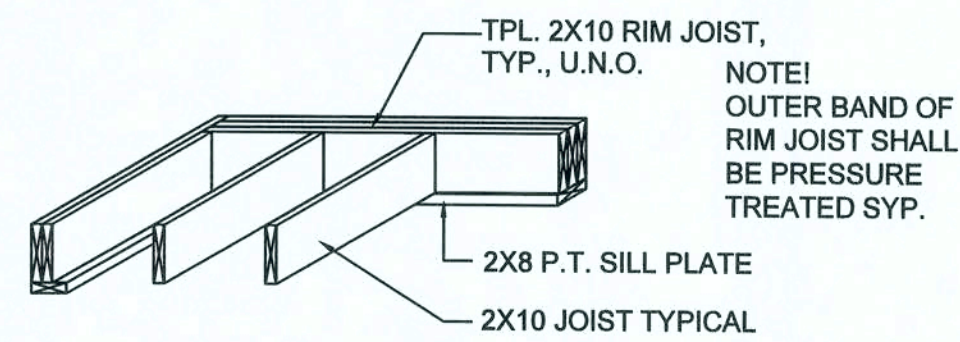
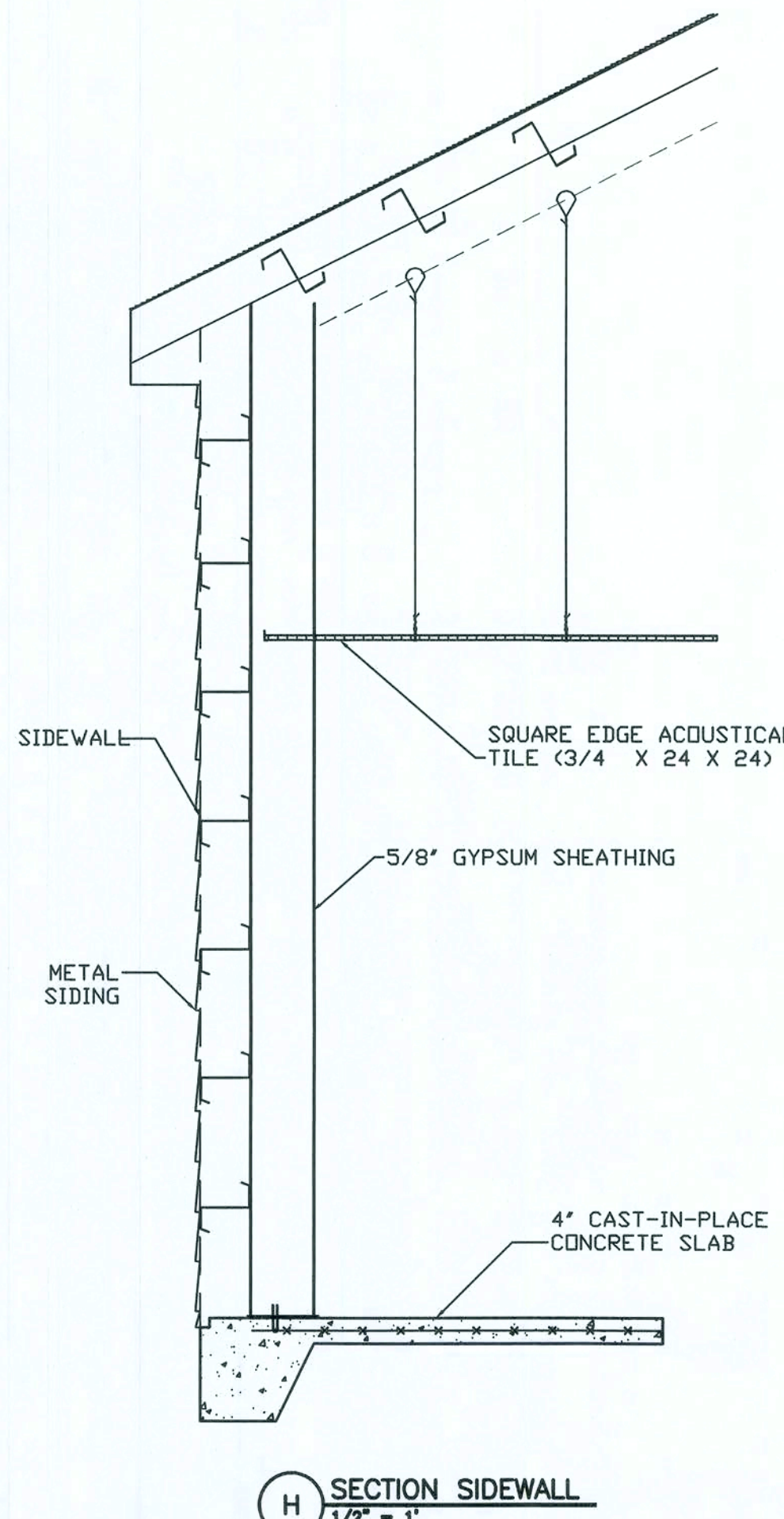
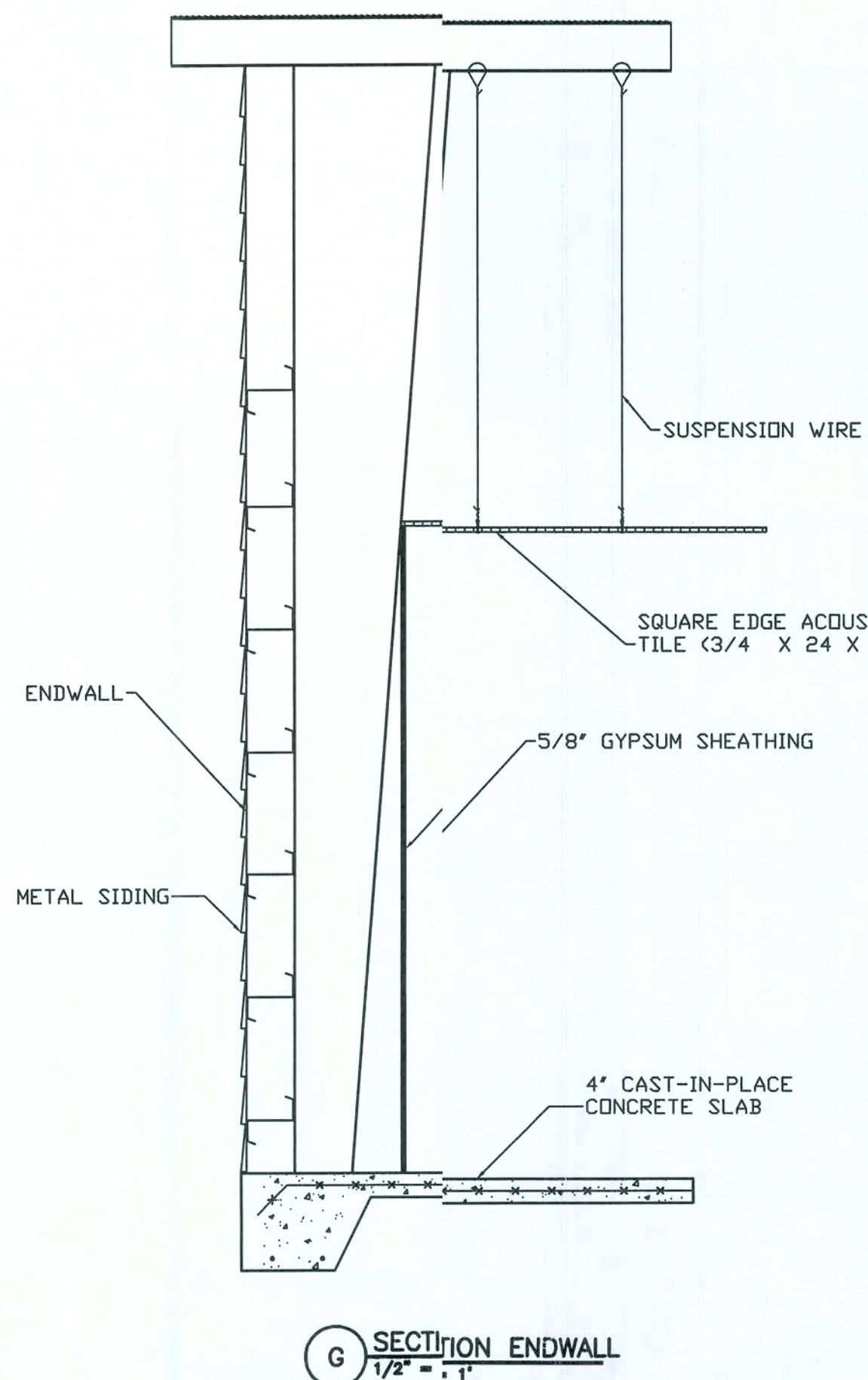
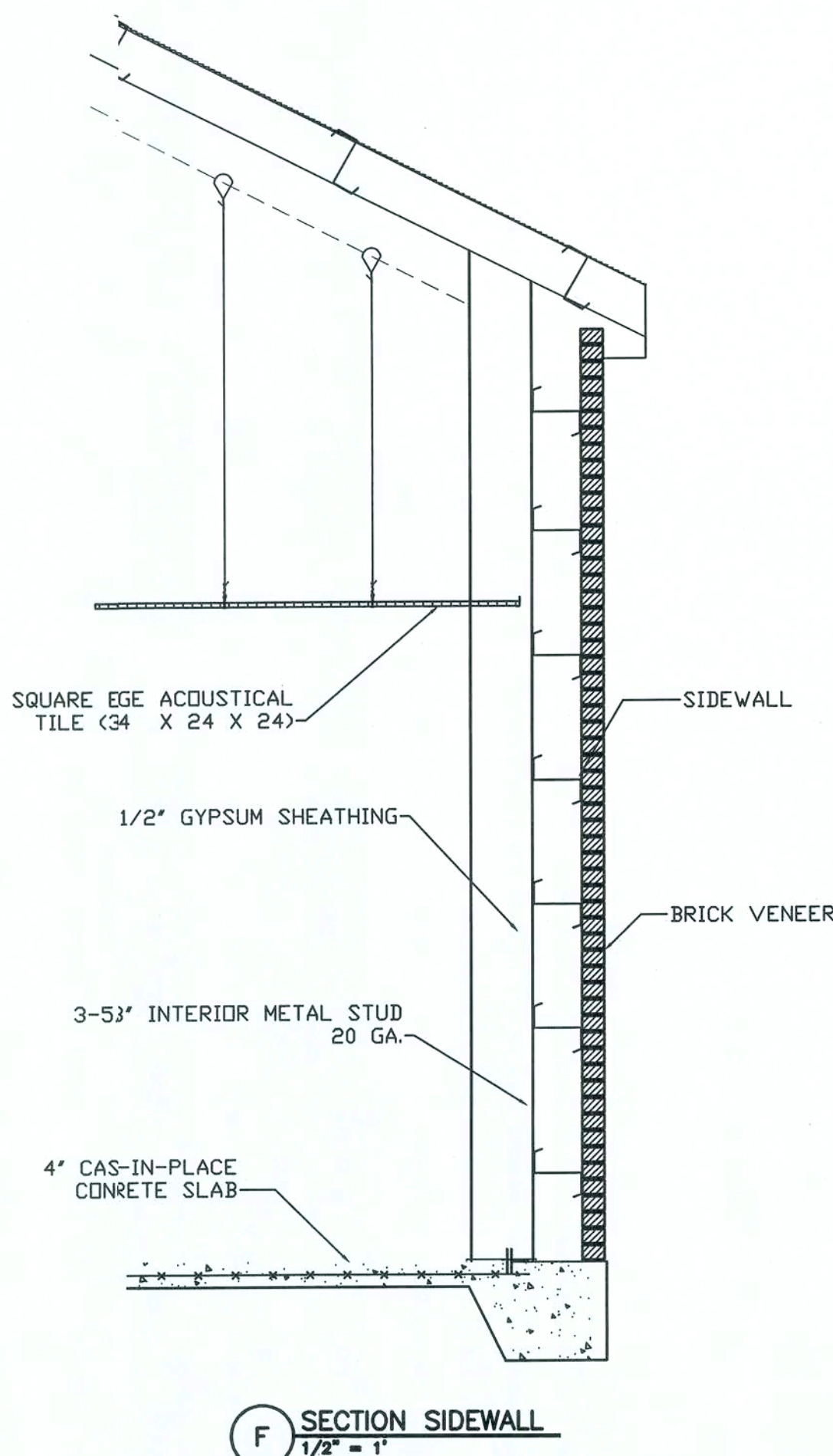
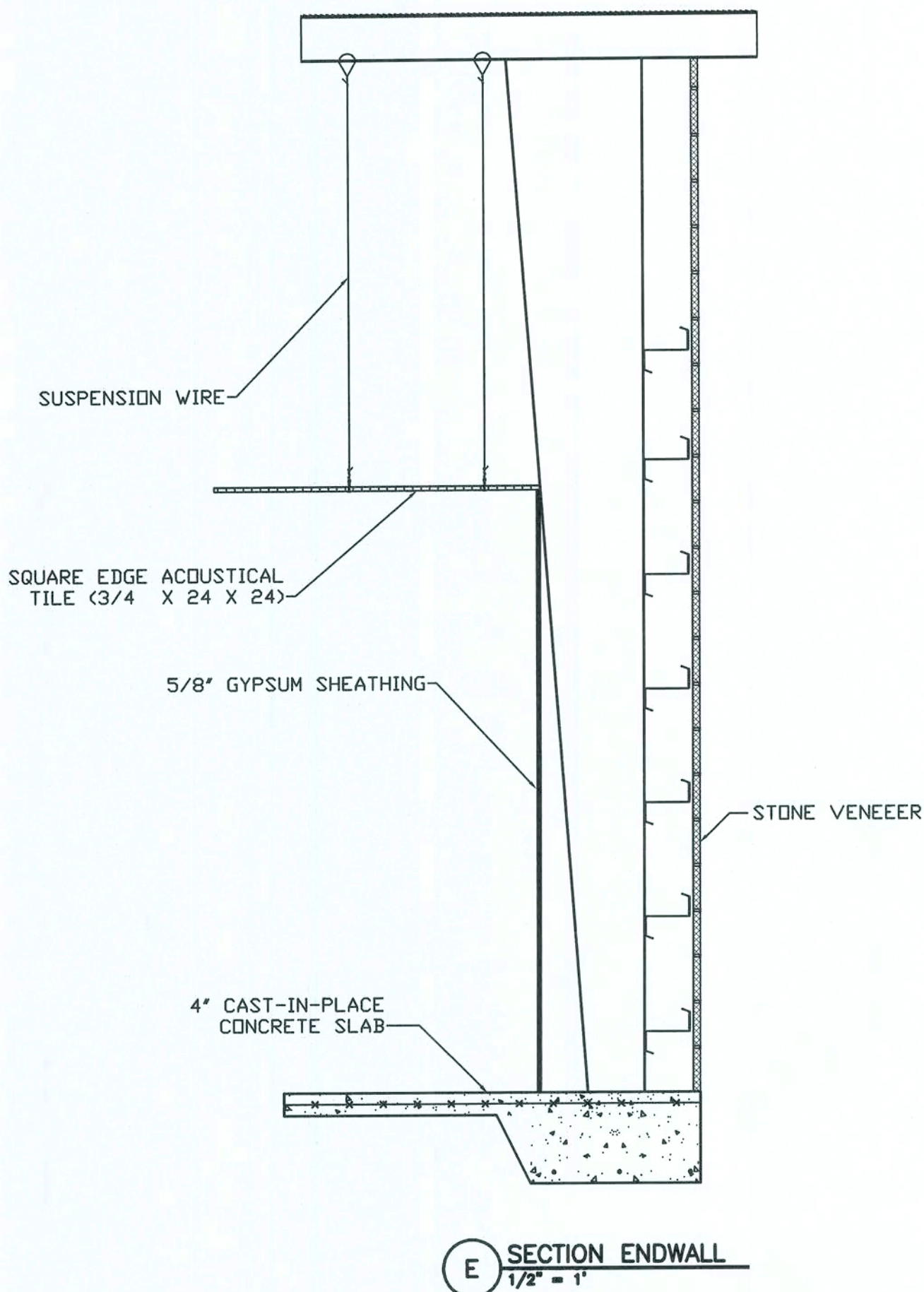
P.O. Box 187
130 West Howard Street
Live Oak FL 32064
Phone: (386) 362-3678
Fax: (386) 362-6133
Auth. # 9461



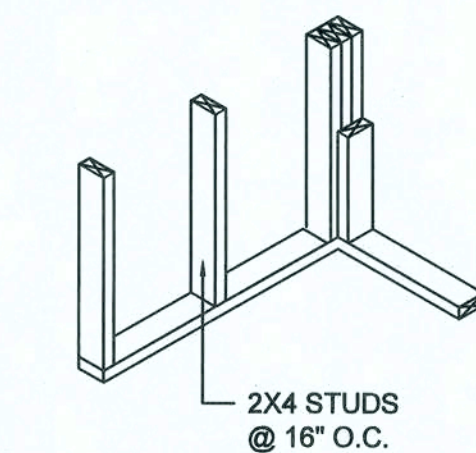
STRUCTURAL CIVIL ENGINEERS

REVISION NOTES
DATE
10-09-07
01
ADDED 4 HOUR FIREWALL

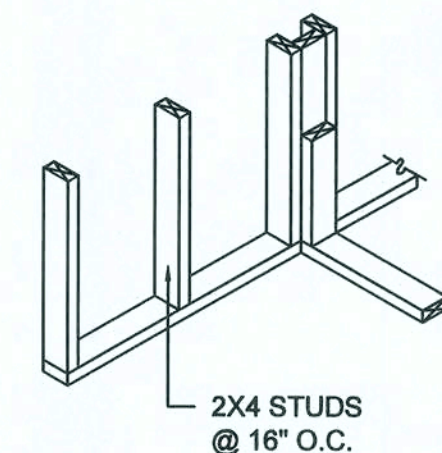
2/15/08



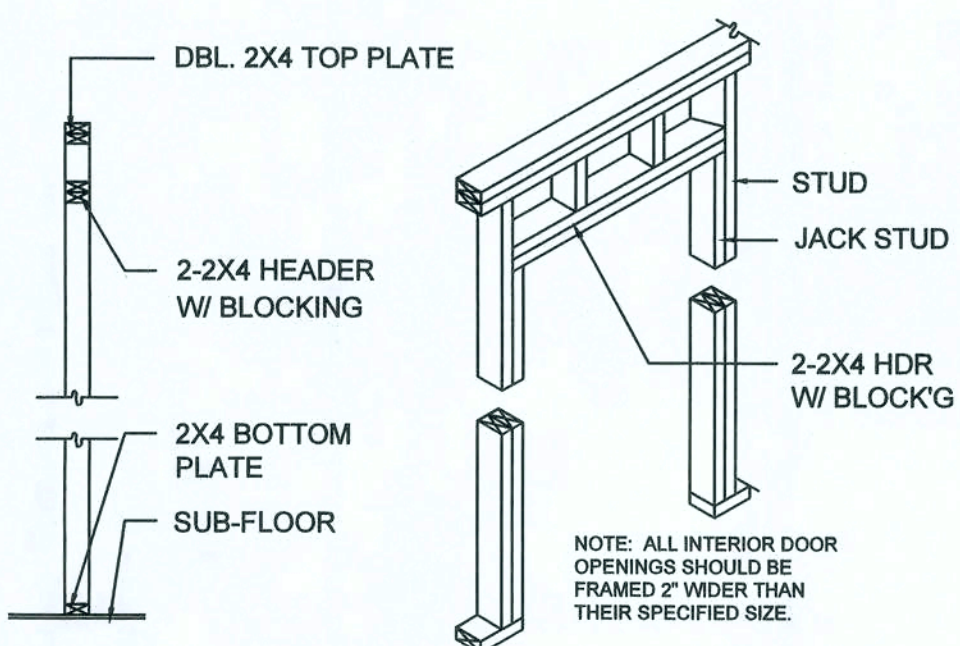
TYPICAL 1st FLOOR FRAMING
NOTE: SEE PLANS FOR SIZE & SPACING



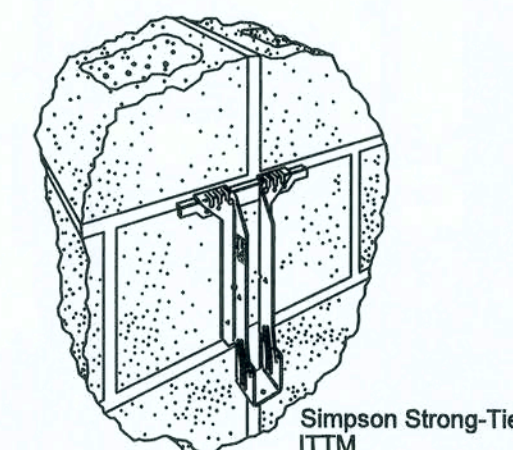
WALL CORNER



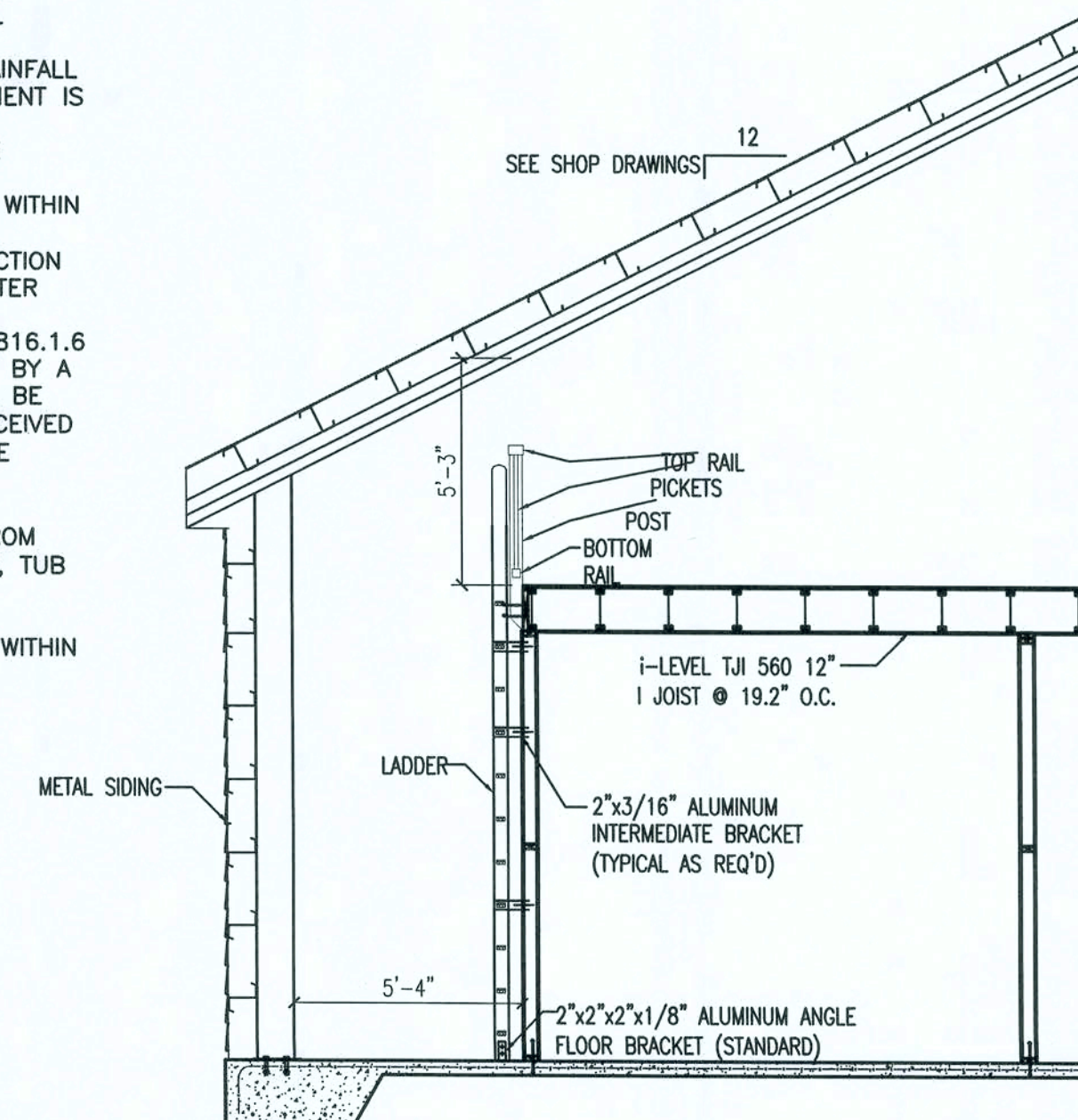
WALL INTERSECTION



INTERIOR WALL DETAILS



ENGINEERED WOOD PRODUCT HANGER
NTS



LOFT SECTION
1/8" = 1'-0"

DESIGN CRITERIA	
DESIGN PER 2004 FLORIDA BUILDING CODE, UNLESS OTHERWISE NOTED.	
LIVE LOADS	ROOFS AND CANOPIES:
	0 TO 200 SF.....16PSF
	201 TO 600 SF.....14PSF
	OVER 600 SF.....12PSF
	STAIRS.....100PSF
	FLOORS.....50PSF
	CORRIDORS.....80PSF
	COBBLES.....80PSF
	BALCONIES.....60PSF
	PARTITION LOAD (DEAD LOAD).....20PSF
WIND LOADS	BASIC WIND SPEED:
	(ASCE 7).....110 MPH
	MEAN ROOF HEIGHT.....21 FT
	WIND IMPORTANCE FACTOR (CATEGORY II).....1.0
	WIND EXPOSURE.....B
	ENCLOSURE CLASSIFICATION.....ENCLOSED
	INTERNAL PRESSURE COEFFICIENT.....±0.18
	DIRECTIONALITY FACTOR (Kd).....0.85
	SHAPE FACTORS.....PER CODE
THIS BUILDING IS NOT LOCATED IN THE WIND BORNE DEBRIS REGION. IMPACT RESISTANT GLAZING IS NOT REQUIRED.	
DESIGN WIND PRESSURES FOR COMPONENTS & CLADDING:	
WALLS & WALL OPENINGS	
TRIBUTARY AREA	INTERIOR ZONE END ZONE
	(>6.3 ft FROM BLDG. CORNER) (<6.3 ft FROM BLDG. CORNER)
10 sf	-23.61 / 21.7 -29.2 / 21.77
25 sf	-22.31 / 20.5 -26.55 / 20.5
(LINEARLY INTERPOLATE BETWEEN STATED VALUES)	
ROOFS & ROOF OPENINGS	
TRIBUTARY AREA	INTERIOR ZONE END ZONE
	(>6.3 ft FROM BLDG. CORNER) (>6.3 ft FROM BLDG. CORNER)
10 sf	-21.77/19.92 -25.46 / 19.92
25 sf	-20.30 / 19.19 -23.99 / 19.19
(LINEARLY INTERPOLATE BETWEEN STATED VALUES)	
CONCRETE (DESIGN PER CURRENT EDITION ACI 318)	
SLAB ON GRADE.....	f'c= 3000 PSI
FOOTINGS.....	f'c= 3000 PSI
ALL OTHER CONCRETE.....	f'c= 3000 PSI
ALL REINFORCING STEEL ASTM A615 GRADE 60	
ALL WELDED WIRE FABRIC ASTM A185	
CONCRETE MASONRY (DESIGN PER CURRENT EDITION ACI 530)	
COMPRESSIVE STRENGTH.....	f'm= 1500 PSI
STRUCTURAL STEEL (DESIGN PER CURRENT EDITION AISC), UNLESS OTHERWISE NOTED	
MATERIALS SHALL BE AS FOLLOWS:	
W-SHAPES.....ASTM 992, Fy=50 KSI	
OTHER SHAPES & PLATES.....ASTM A36, Fy=36 KSI	
HSS SQUARE & RECTANGULAR SHAPES.....ASTM A500 GRADE B, Fy= 46 KSI	
HSS ROUND SHAPES.....ASTM A500 GRADE B, Fy= 42 KSI	
STEEL PIPES.....ASTM A53 GRADE B, Fy= 35 KSI	
WELDING ELECTRODES.....AWS A5.1 OR A5.5 SERIES E70	
HIGH-STRENGTH BOLTS.....3/4" ASTM A325	
ANCHOR RODS.....GRADE 36 ASTM F1554	
WELDED STUDS.....ASTM A108	
DEFORMED BARS.....ASTM A496	
PAINT & PROTECTION.....SSPC PAINT 25	
SOIL BEARING (DESIGN MAXIMUM).....1000PSF	

GENERAL NOTES

CONCRETE

UNLESS OTHERWISE NOTED ON THE DRAWINGS, MINIMUM COVER FOR REINFORCING SHALL BE AS FOLLOWS:

FOOTINGS.....3"

PILE CAPS.....SEE TYPICAL DETAIL

GRADE BEAM.....3"

COLUMNS AND PEDESTALS (OVER VERTICAL REINF).....2"

SLABS AND WALLS (EXPOSED TO EARTH, LIQUID OR WEATHER).....2"

SLABS AND WALLS (NOT EXPOSED TO EARTH, LIQUID OR WEATHER).....3/4"

CANOPY SLABS.....1 1/2"

BEAMS (OVER MAIN REINFORCING).....2" FROM TOP

SLABS ON GRADE.....2" FROM TOP

ALL REINFORCING SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES IN ACCORDANCE WITH CRSI MANUAL OF STANDARD PRACTICE AND ACI 315 DURING THE PLACEMENT OF CONCRETE.

MIN. WVF FOR SLAB ON GRADE SHALL BE 6X6-W14X1.4.

UNLESS OTHERWISE NOTED, SPLICES IN REINFORCING, WHERE PERMITTED, SHALL BE AS FOLLOWS:

WELDED WIRE FABRIC (MIN. YIELD STRENGTH OF 65,000 PSI).....WIRE SPACING PLUS 6"

REINFORCING BARS.....40 BAR DIAMETERS

ALL HOOKS IN REINFORCING BARS SHALL BE AN ACI STANDARD HOOK, UNLESS OTHERWISE NOTED.

A VAPOR RETARDER CONSISTING OF 6 MIL MINIMUM POLYETHYLENE WITH JOINTS LAPPED 6 INCHES AND SEALED WITH 2" APPROVED TAPE OR MASTIC, OR OTHER APPROVED MATERIALS HAVING A MAXIMUM PERM RATING OF 0.5.

SOIL UNDER FOOTINGS, FOUNDATIONS AND CONCRETE SLABS SHALL HAVE ALL VEGETATION, STUMPS, ROOTS, AND FOREIGN MATTERS REMOVED PRIOR TO THEIR CONSTRUCTION.

CONCRETE SLAB SHALL HAVE A MINIMUM ALLOWABLE SLOPE TO ALLOW FOR WATER DRAINAGE FROM SOWERS.

FOUNDATIONS

IF FOOTING EVALUATIONS SHOWN OCCUR IN A DISTURBED, UNSTABLE, OR UNSUITABLE SOIL, THE ENGINEER SHALL BE NOTIFIED.

STEPS IN WALL FOOTINGS SHALL NOT EXCEED A SLOPE OF (1) VERTICAL TO TWO (2) HORIZONTAL.

PROVIDE A MINIMUM OF TWO #4 BARS IN TOP OF CONTINUOUS WALL FOOTINGS AT DOOR AND OTHER OPENINGS 4'-0" LONGER THAN THE OPENING.

NOTES:

1) ALL CONNECTORS LISTED ARE SIMPSON STRONG-TIE, UNLESS OTHERWISE NOTED. OTHER MANUFACTURERS MAY BE SUBSTITUTED. SCREW SIZE AND NUMBER SHALL BE IN ACCORDANCE WITH MANUFACTURER'S CATALOG. ROOF TRUSS CLIPS SHALL BE SELECTED TO PROVIDE THE UPLIFT RESISTANCE SHOWN ON THE ROOF TRUSS SHOP DRAWINGS.

2) TRUSS ENGINEER MAY PROVIDE ALTERNATE CONNECTIONS.

SUPPLEMENTARY NOTES

PROVIDE ALL TEMPORARY BRACING, SHORING, GUYING OR OTHER MEANS TO AVOID EXCESSIVE STRESSES AND TO HOLD STRUCTURAL ELEMENTS IN PLACE DURING CONSTRUCTION. THE STRUCTURE SHOULD NOT BE CONSIDERED STABLE UNTIL ALL STRUCTURAL ELEMENTS HAVE BEEN CONSTRUCTED.

VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.

SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR EMBEDS, OPENINGS, SLEEVES, ETC. NOT SHOWN ON THE STRUCTURAL DRAWINGS.

ALL STRUCTURAL OPENINGS AROUND OR AFFECTED BY MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT SHALL BE VERIFIED WITH EQUIPMENT PURCHASED BEFORE PROCEEDING WITH STRUCTURAL WORK AFFECTED.

EMBEDMENT FOR EXPANSION BOLTS SHALL BE 3 1/4" MINIMUM FOR 3/4" BOLTS IN CONCRETE, 5 1/4" IN GROUTED MASONRY, HILTI KWIK BOLT II OR EQUAL.

EPOXY GROUT SHALL BE POWER FAST CARTRIDGE SYSTEM BY RAWL, HY150 CARTRIDGE SYSTEM BY HILTI (HILTI RESOQ, IF HOLE IS CORED INSTEAD OF DRILLED) OR APPROVED EQUAL, UNLESS OTHERWISE NOTED.

HOLE SHALL BE BRUSHED OUT WITH BOTTLE BRUSH AND THEN BLOWN OUT WITH AIR USING A COMPRESSOR WITH A FUNCTIONAL OIL TRAP. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS.

ANY ENGINEERING DESIGN PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW SHALL BEAR THE SEAL OF AN ENGINEER IN THE STATE OF THE PROJECT.

GENERAL CONTRACTOR MUST REVIEW AND APPROVE SHOP DRAWINGS PRIOR TO SUBMITTAL TO ARCHITECT / ENGINEER. SUBMITTALS WHICH DO NOT CONTAIN THE CONTRACTOR'S SHOP DRAWING STAMP OR HAVE BEEN MERELY "RUBBER STAMPED" SHALL BE RETURNED WITHOUT REVIEW.

CHANGES TO THE CONTRACT DOCUMENTS SHALL BE CLOUDED ON SHOP DRAWINGS OR REQUESTED IN WRITING. THE CONTRACTOR IS LIABLE FOR ANY DEVIATIONS UNLESS REVIEWED AND ACKNOWLEDGED BY THE ENGINEER. SHOP DRAWING SUBMITTALS SHALL ONLY BE CHECKED FOR CONFORMANCE WITH THE DESIGN CONCEPT AND THE INFORMATION SHOWN ON THE CONSTRUCTION DOCUMENTS.

SPECIFICATIONS

CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (LATEST EDITION), EXCEPT AS MODIFIED BY REQUIREMENTS OF THE CONTRACT DOCUMENTS.

MASONRY CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS", AISC "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS", AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", AND AWS D1.1 "STRUCTURAL WELDING CODE", EXCEPT AS MODIFIED BY THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

A GEOTECHNICAL TESTING AND INSPECTION FIRM SHALL BE EMPLOYED TO PERFORM A SOIL SURVEY FOR SATISFACTORY SOIL MATERIALS, SAMPLING AND TESTING FOR QUALITY CONTROL AS PER THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT FOR THIS PROJECT. ALL EARTHWORK OPERATIONS SHALL BE PERFORMED TO THE SATISFACTION OF THE GEOTECHNICAL TESTING FIRM.

TERMITE PROTECTION NOTES:

SOIL CHEMICAL BARRIER METHOD:

A PERMANENT SIGN THAT IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR REINSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL, FBC 1042.6 CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1503.4.4

IRRIGATION/SPRINKLERS SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 1503.4.4

TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6". EXCEPTION: PAINT AND DECORATIVE CEMENTIOUS FINISH LESS THAN 3/8" THICK ADHERED DIRECTLY TO FOUNDATION WALL. FBC 1816.1.1

INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1816.1.1

SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1816.1.2

BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC. SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS, PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ILLUMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT. FBC 1816.1.3

MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1816.1.4

CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1816.1.5

SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1816.1.6

AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED. FBC 1816.1.7

ALL BUILDINGS ARE REQUIRED TO HAVE PRE-CONSTRUCTION TREATMENT. FBC 1816.1.6

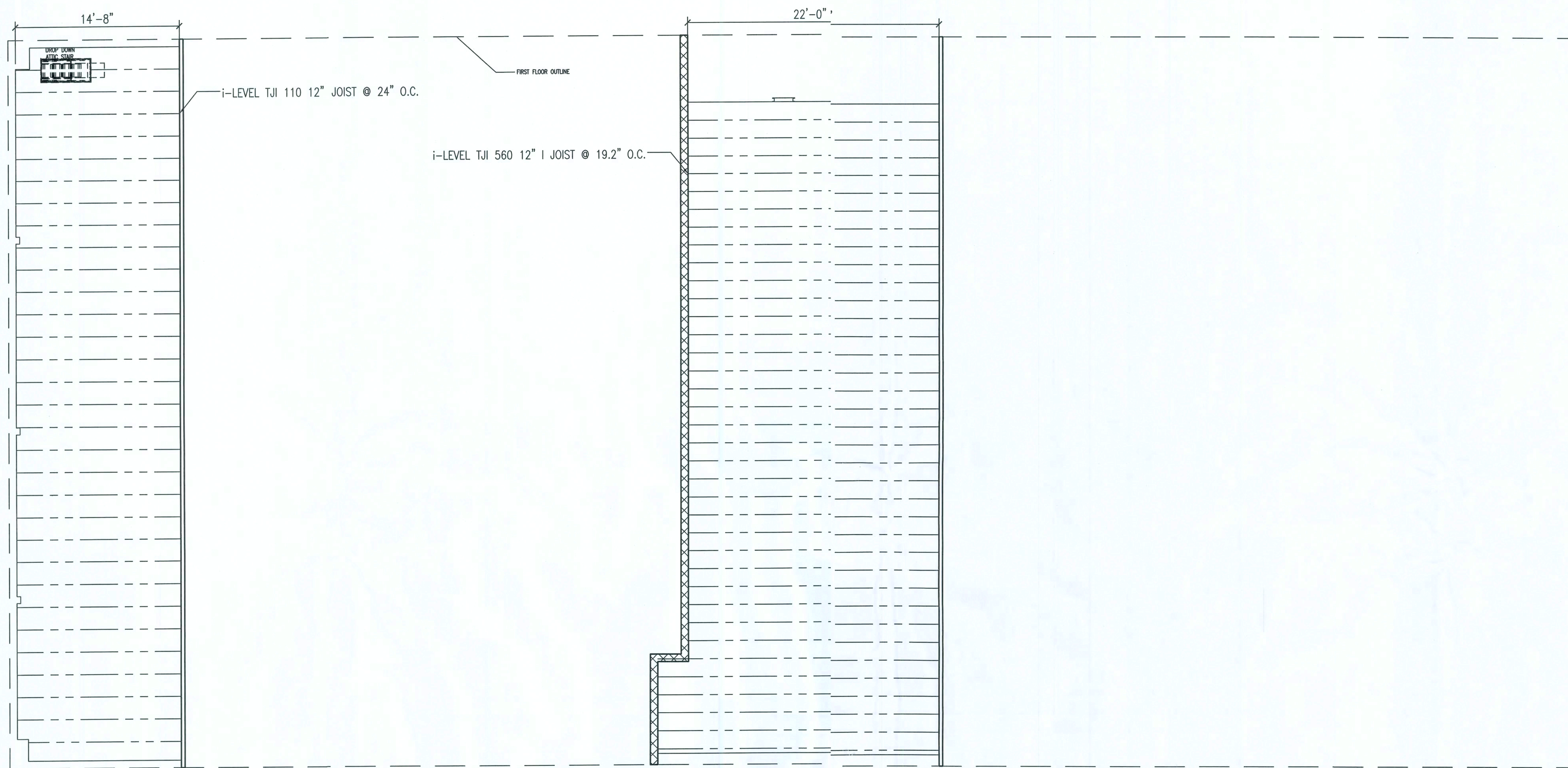
A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES". FBC 1816.1.7

AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 503.1.3

NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 3203.1.4

7TH DAY ADVENTIST CHURCH NEW WORSHIP CENTER COLUMBIA COUNTY, FLORIDA	 P.O. Box 18/ 130 West Howard Street Live Oak FL 32064 Phone: (386) 362-3678 Fax: (386) 362-6133 Gary Gill, P.E. 51942 Auth. # 9461 STRUCTURAL CIVIL ENGINEER	REV #	DATE	REVISION NOTES
		01	10-30-07	ADDED 4 HOUR FIREWALL
DETAILS		PROJECT NUMBER	PF06-193S	
		DRAWN BY	-	
		CHECKED BY	G.G.	
		S-2.1		
		SHEET 9 OF 15		

ISSUED FOR APPROVAL



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

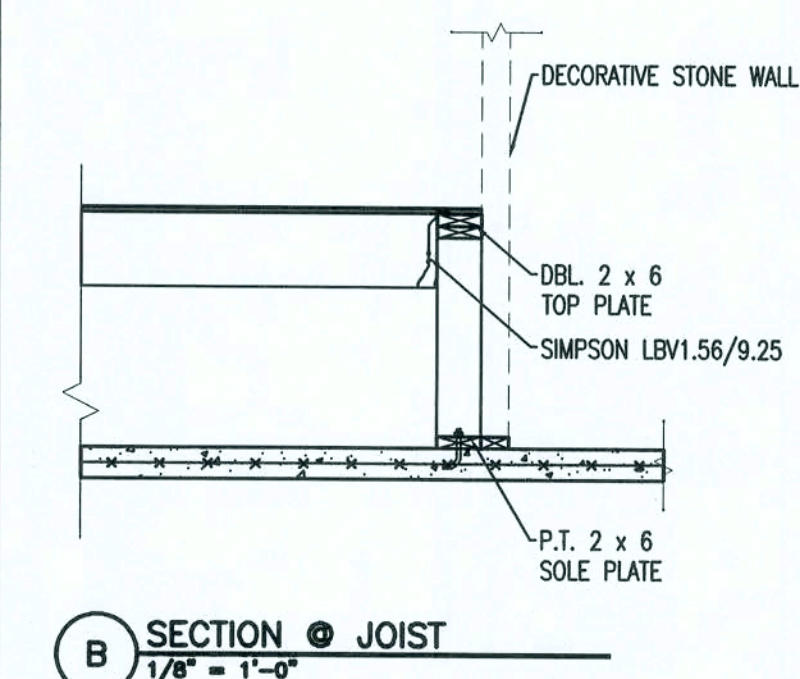
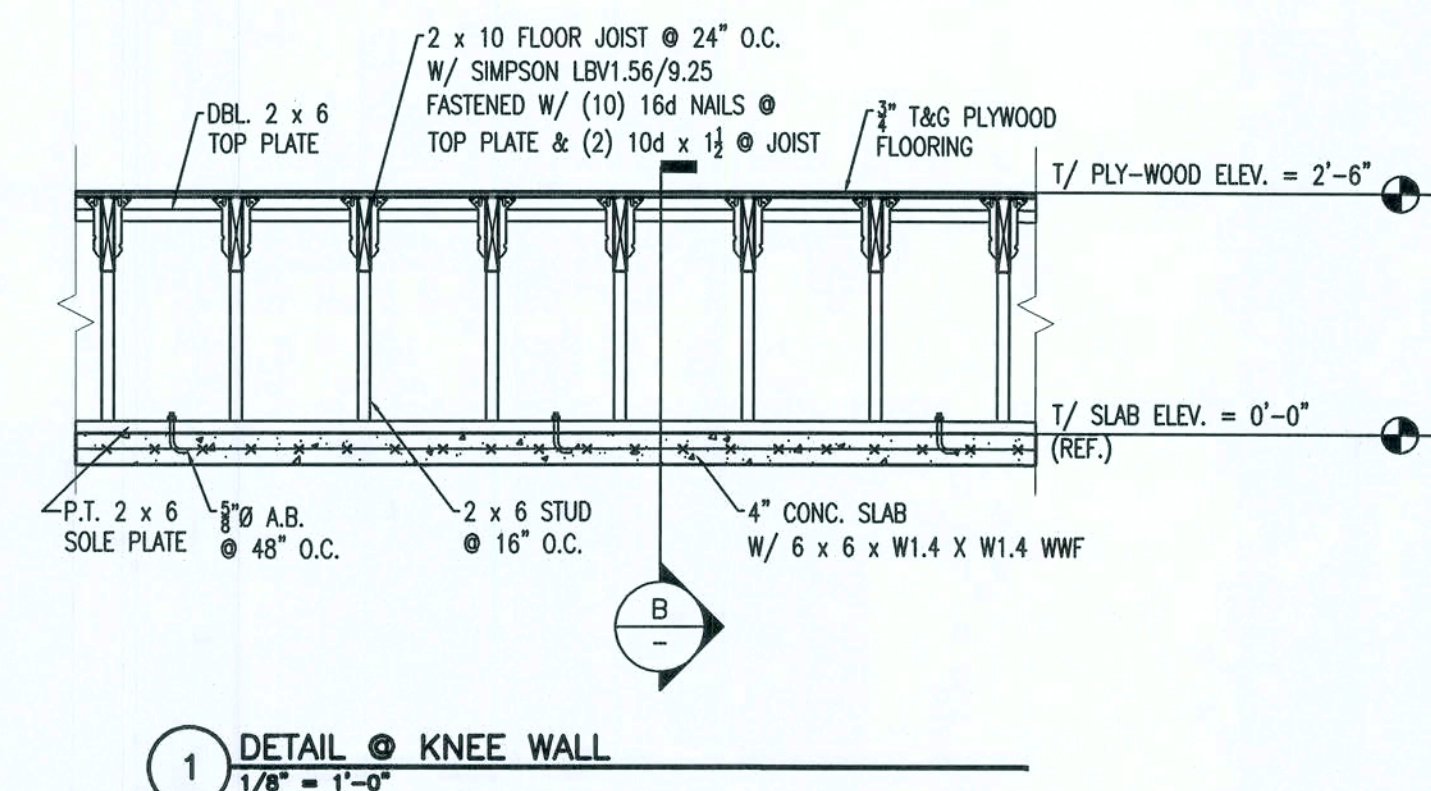
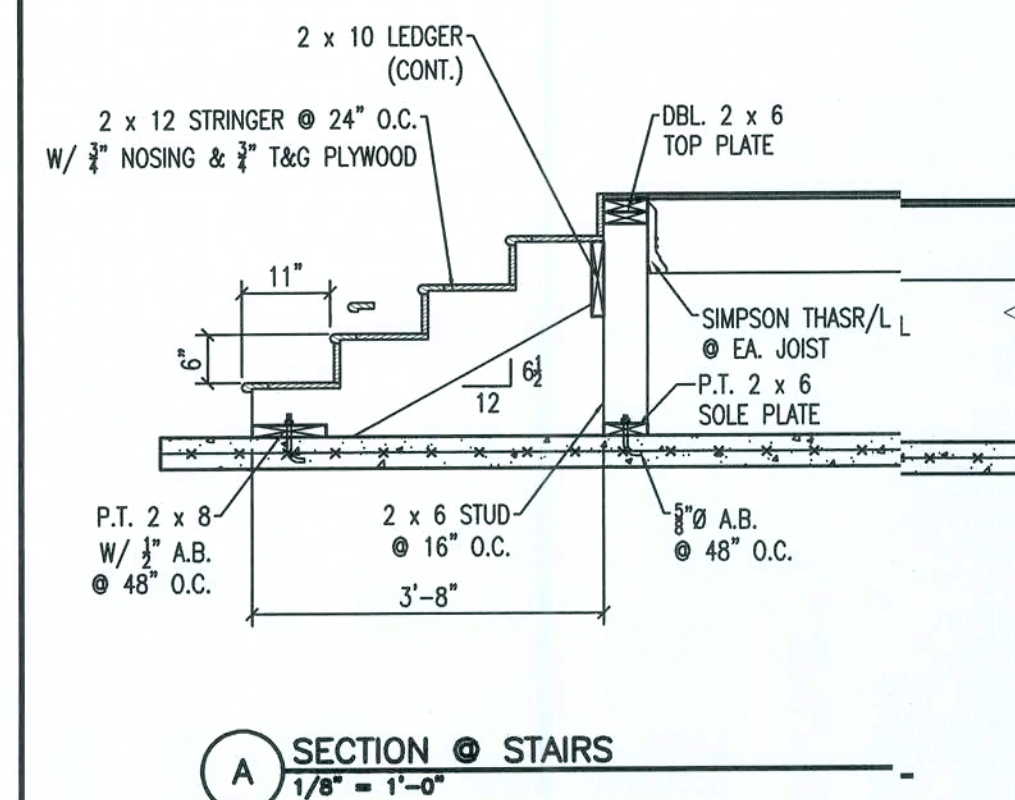
ISSUED FOR CONSTRUCTION

2/18/08

PROJECT NUMBER		REVISION NOTES	
PF06-193S		REV #	DATE
DRAWN BY		###	
D. PRICE			
CHECKED BY			
G.G.			
S-3.0			
7TH DAY ADVENTIST CHURCH NEW WORSHIP CENTER COLUMBIA COUNTY, FLORIDA		P.O. Box 187 130 West Howard Street Live Oak, FL 32064 Phone: (386) 362-3678 Fax: (386) 362-6133 Auth. # 9461	
FLOOR FRAMING PLAN		 J. GILL, PE STRUCTURAL ENGINEER	

 = KNEE WALL PER DETAIL 1

STAGE FRAMING PLAN
1/4" = 1'-0"



77TH DAY ADVENTIST CHURCH
NEW WORSHIP CENTER
COLUMBIA COUNTY, FLORIDA

STAGE FRAMING PLAN

PROJECT NUMBER	PF06-193S
DRAWN BY	D. PRICE
CHECKED BY	G.G.

S-4.0

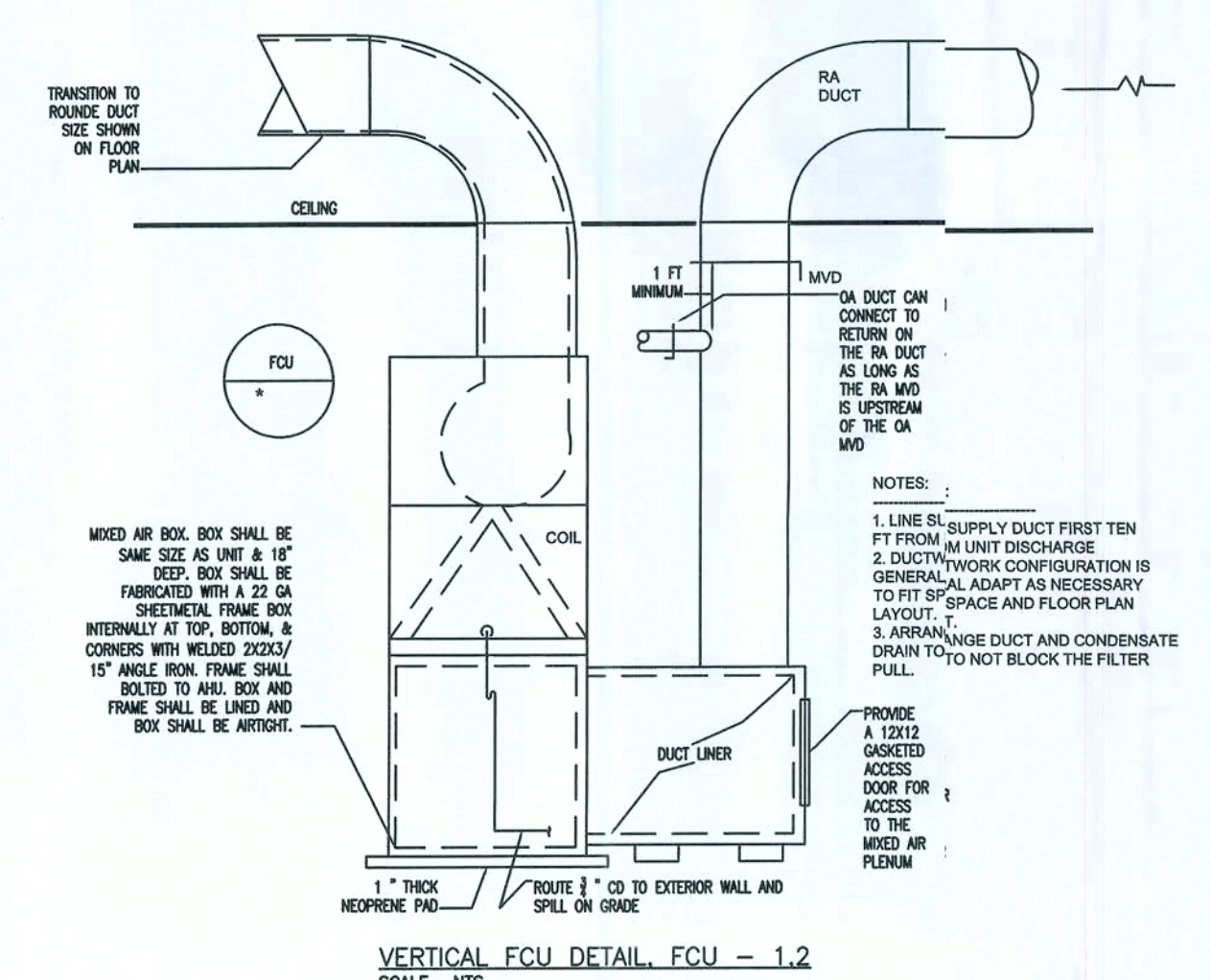
	REV #	DATE	####	REVISION NOTES
P.O. Box 187 130 West Howard Street Baltimore, Md. Phone: (366) 362-6678 Fax: (366) 362-6133				
Gary J. Gill, PE 51942 Auth. # 9461				



ISSUED FOR CONSTRUCTION

2/18/02

SPLIT SYSTEM - ELECTRIC HEAT											
QUANTITY	TAG	GOODMAN MODEL #'S INDOOR UNIT/OUTDOOR UNIT ACU/HU	NOMINAL TONS	TOTAL CFM	OA CFM	COIL, EAT DB/WB	ESP	MAX FAN HP	TOTAL COOL MBH	SENS. COOL MBH	SEER
3	ACU/HU-1	GPC13060H21A/ ARUF486016	5	2000	?	80/67	0.5	3/4	44.4	21.0	13.0
1	ACU/HU-2	GPC13048H21A/ ARUF486016	4	1600	?	80/67	0.5	3/4	44.4	21.0	13.0
1	ACU/HU-2	GPC13038H21A/ ARUF486016	3	1600	?	80/67	0.5	3/4	44.4	21.0	13.0
NOTES:											
1. COOLING CAPACITIES BASED ON 95° F db air entering outdoor unit.											
2. FAN COIL UNIT SHALL HAVE A SINGLE POINT POWER CONNECTION (FAN+HEAT).											
3. COOLING CAPACITIES SCHEDULED ARE MINIMUM VALUES. ALTERNATIVE EQUIPMENT MUST MEET SCHEDULED VALUES.											
4. SEER VALUE IS BASED ON ARI STANDARD 210.											
5. ELECTRIC HEAT SHALL BE MOUNTED IN THE REHEAT POSITION.											
ACCESSORIES											
1. PROGRAMMABLE 7 DAY THERMOSTAT, WITH NIGHT SETBACK (55° HEATING, 85° COOLING), AUTO CHANGEOVER FOR HEAT-COOL, 5 DEGREE DEGRADATION ADJUSTMENT.											
2. BETWEEN HEAT AND COOL OPERATION											
2. PROVIDE (2) SETS OF STANDARD 1" THICK PLEATED THROW-AWAY FILTERS. (1) DURING CONSTRUCTION, (1) AFTER CONSTRUCTION COMPLETION.											
3. PROVIDE FILTER DRYER											
4. PROVIDE LONG LINE REFRIGERATION LINE SET WHERE REQUIRED BY MANUFACTURER.- LINES SHALL BE SIZED BY MANUFACTURER TO MAINTAIN SCHEDULED CAPACITY. SHOW MANUFACTURER'S RECOMMENDED LINE SET SIZE IN SUBMITTALS. MANUFACTURER SHALL DETERMINE IF LOI LINE APPLICATION KIT IS REQUIRED.											
5. LOW AMBIENT OPERATION KIT TO ALLOW OPERATION DOWN TO 42 DEGREES											
BASIS OF DESIGN: AS NOTED: EQUAL BY: RANE, YORK, LENNOX											
CONTRACTOR SHALL CAREFULLY COORDINATE ALL RECESSED PROJECTOR LIGHTS WITH ALL DUCTWORK ABOVE CEILING PRIOR TO ANY DUCTWORK FABRICATION.											
NOTE:											
These plans are schematic in nature and are intended to establish size, general routing and location, and performance and are not intended to show all possible conditions. All work shall be fully coordinated with other trades to insure the installation of a complete, operating system that fits in the space allotted. Provide all labor, equipment, opportunities and materials necessary, and perform all operations required for the installation of complete, functional mechanical systems as outlined on the drawings and described in the specifications.											
DUCT LEGEND											
SUPPLY RETURN											



ISSUED FOR APPROVAL

GENERAL MECHANICAL NOTES	
1. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY FOR THE INSTALLATION CODE AND ALL OPTION OF A COMPLETE SYSTEM IN WITH THESE DRAWINGS, THE APPLICABLE BUILDING CODE AND ALL OTHER APPLICABLE STATE, COUNTY AND LOCAL ORDINANCES AND THE LATEST ADDITION OF THE FOLLOWING PUBLICATIONS: ASHRAE, NFPA 90A, 90B, 91, AND ANSI 5-8.1 MECHANICAL REFRIGERATION.	15. PROVIDE NEW FILTERS FOR ALL AIR CONDITIONING EQUIPMENT BEFORE STARTING THEM. REPLACE THEM PRIOR TO ACCEPTANCE BY OWNER.
2. THE CONTRACTOR SHALL PAY ALL COSTS OF PERMIT, INSPECTIONS, AND ALL OTHER COSTS INCIDENTAL TO THE COMPLETION AND TESTING OF THIS WORK.	16. PROVIDE SMOKE DETECTORS WITH ACCESS DOORS IN ALL SUPPLY AIR DUCTS FOR FANS AND AHUS SERVING A COMMON PLENUM OF 2000 CFM OR ABOVE. ALL SMOKE DETECTORS SHALL BE BY ONE MANUFACTURER, COORDINATE VOLTAGE ETC. WITH ELECTRICAL CONTRACTOR AND FIRE ALARM SYSTEM BEFORE ORDERING.
3. THE PLUMBING CONTRACTOR SHALL VISIT THE SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS. ALL EXECUTION AND BACKFILL AS REQUIRED FOR THIS PHASE OF CONSTRUCTION SHALL BE A PART OF THIS CONTRACT.	17. PROVIDE TYPE "B" FIRE DAMPERS IN ALL DUCTS OR OPENINGS PENETRATING FIRE RATED WALLS, MECHANICAL AND ELECTRICAL ROOMS, TENANT SEPARATION, PARTITIONS, FLOOR OR ROOF SLABS AND AT OIA INTAKES. PROVIDE RADIATION DAMPERS IN RATED CEILING FOR ALL CEILING OPENING, CEILING FANS, DIFFUSERS OR GRILLS RATED FOR USE IN THE CEILING ASSEMBLY.
4. THE CONTRACTOR SHALL SUPPLY THE ENGINEER/ARCHITECT WITH AS-BUILT DRAWINGS UPON COMPLETION OF THIS PROJECT.	18. HVAC CONTRACTOR SHALL PROVIDE AN INDEPENDENT TEST AND BALANCE REPORT FOR ALL MECHANICAL EQUIPMENT, AIR DEVICE, DAMPERS, AHUS AND FANS. THE TAB SHALL BE IN ACCORDANCE WITH THE AIR BALANCE COUNCIL STANDARDS AND SHALL INCLUDE AIR QUANTITIES FOR ALL SUPPLY GRILLS, RETURN GRILLS, AND EXHAUST GRILLS AND LEAVING AND ENTERING AIR TEMPERATURE FROM THE SUPPLY GRILLS AND EVAPORATORS.
5. CONTRACTOR SHALL SUBMIT FOR APPROVAL FIVE (5) COPIES OF MANUFACTURER'S DRAWING FOR EACH PIECE OF EQUIPMENT AND CONTROLS INCLUDED IN CONTRACT.	19. THERMOSTAT LOCATION SHALL BE APPROVED BY OWNER AND ENGINEER/ARCHITECT BY INSTALLATION.
6. ALL MATERIAL SHALL BE NEW OF GOOD QUALITY. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER BY SKILLED WORKMAN.	20. ALL INSULATION WILL HAVE FIRE/SMOKE RATING LESS THAN 50°F.
7. ALL AIR CONDITIONING DUCT SHALL BE OF 1-1/2" STANDARD DUTY FOIL REINFORCED FIBERGLASS WITH MANUFACTURER'S LOGO PRINTED ON THE VAPOR BARRIER. ALL FLEX TO BE R-8.	21. MECHANIC PLANS IN GENERAL, ARE DIAGRAMMATIC IN NATURE, AND ARE TO BE READ IN CONJUNCTION WITH ARCH., PLUMBING, ELECTRICAL, AND STRUCTURAL PLANS AND SHALL BE CONSIDERED AS ONE SET OF DOCUMENTS. DUCT AND PIPING OFFSETS, BENDS AND TRANSITIONS WILL BE REQUIRED TO PROVIDE AND INSTALL A COMPLETE FUNCTIONAL SYSTEM AND SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
8. ALL EXHAUST DUCTS AND OUTSIDE AIR DUCTS SHALL BE GALVANIZED SHEET METAL WITH SEALED SEAMS AND JOINTS.	22. NO COMBUSTIBLE MATERIALS ARE ALLOWED IN RETURN AIR PLENUMS OR ABOVE CEILINGS USED AS RETURN AIR PLENUM. IF SPACE WITH RETURN AIR PLENUM HAS ANY DECK PARTITION, AIR TRANSFER DUCTS MUST BE INSTALLED.
9. DUCT SIZES SHOWN ARE INSIDE DIMENSIONS.	23. REFER TO PLUMBING PLAN FOR CONDENSATE PIPING.
10. ALL AIR DEVICES (DIFFUSERS, REGISTERS, AND GRILLS) SHALL BE ALL ALUMINUM CONSTRUCTION WITH EXPOSED SURFACE OFF WHITE BAKED ENAMEL FINISH OR AS SPECIFIED BY ENGINEER/ARCHITECT. DEVICES SHALL BE TITUS, METALAIR, AND AIRGUIDE. PROVIDE OPPOSED BLADE DAMPERS AT ALL DIFFUSERS AND REGISTERS.	24. IF PROJECT IS A REMODEL OF AN EXISTING BUILDING, THE CONTRACTOR SHALL VISIT JOB SITE PRIOR TO CONSTRUCTION AND COORDINATE ALL FIELD CONDITIONS. ENGINEER AND/OR ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES.
11. THERMOSTAT SHALL BE COMBINATION COOLING/HEATING, WITH SYSTEM "COOL-AUTO-HEAT-OFF" AND FAN "ON-AUTO" SELECTOR SWITCHES. PROVIDE PROGRAMMABLE TYPE, CARRIER OR EQUAL.	25. CONTRACTOR SHALL INSTALL ALL OUTDOOR EQUIPMENT TO WITHSTAND A SUSTAINED 200 MPH WIND WITH A GUST FACTOR OF 30%. PROVIDE A LISTED PRE-ENGINEERED ASSEMBLY, OR CONTRACTOR SHALL BE RESPONSIBLE FOR THE CERTIFICATION OF ROOF MOUNTING.
12. REFRIGERANT LINES SHALL BE COPPER, TYPE "L" HARD DRAWN WITH WROUGHT COPPER SOLDER-JOINT TYPE FITTINGS. USE #6 SOLDER. REFRIGERANT LINES SHALL BE SIZED AS PER MANUFACTURER RECOMMENDATIONS.	26. PROVIDE ALL NECESSARY CONTACTS, RELAYS, ETC., FOR A COMPLETE OPERATING A/C SYSTEM.
13. ARMATLEX 3/4" INSULATION SHALL BE USED FOR SUCTION LINES, FILTER/DRYER AND SIGHT GLASS SHALL BE PROVIDED AT LIQUID LINES.	
14. ALL BRANCH TAKE-OFFS TO BE PROVIDED WITH MANUAL VOLUME DAMPERS. ALL ELBOWS AND TEES MUST BE FURNISHED WITH TURNING VANES. PROVIDE 45 DEGREE BRANCH TAKE-OFF AS PER BRANCH DUCT TAKE-OFF DETAIL.	

7TH DAY ADVENTIST CHURCH
NEW WORSHIP CENTER
COLUMBIA COUNTY, FLORIDA

MECHANICAL PLAN

PROJECT NUMBER
PF06-193S

DRAWN BY
-

CHECKED BY
G.G.

M-1

15 OF 15

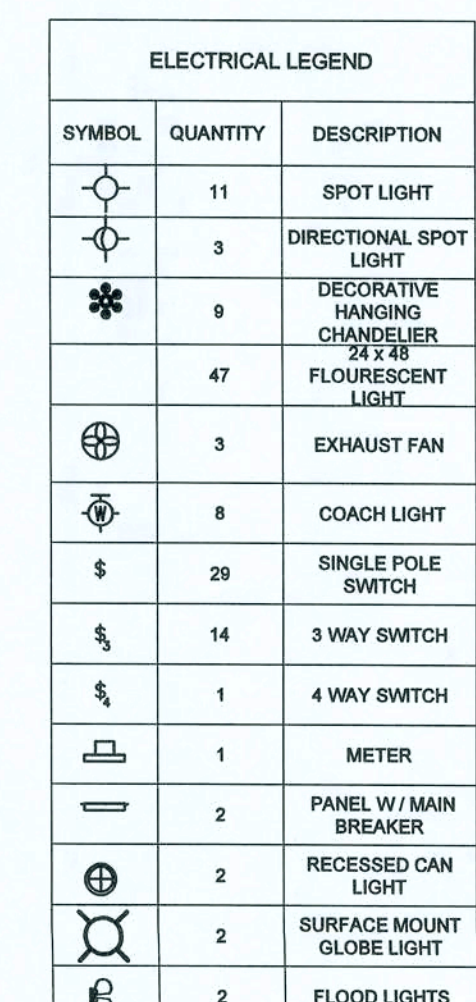
REVISION NOTES

REV # DATE

01 10-09-07 ADDED 4 HOUR FIREWALL

P.O. Box 187
130 West Howard Street
Live Oak, FL 32064
Phone: (386) 362-6678
Fax: (386) 362-6133
Auth. # 9461

STRUCTURAL/CIVIL ENGINEERS
Gary Gill, PE 51942



ISSUED FOR APPROVAL

C
2/18/08

E-1.0

SHEET 11 OF 15

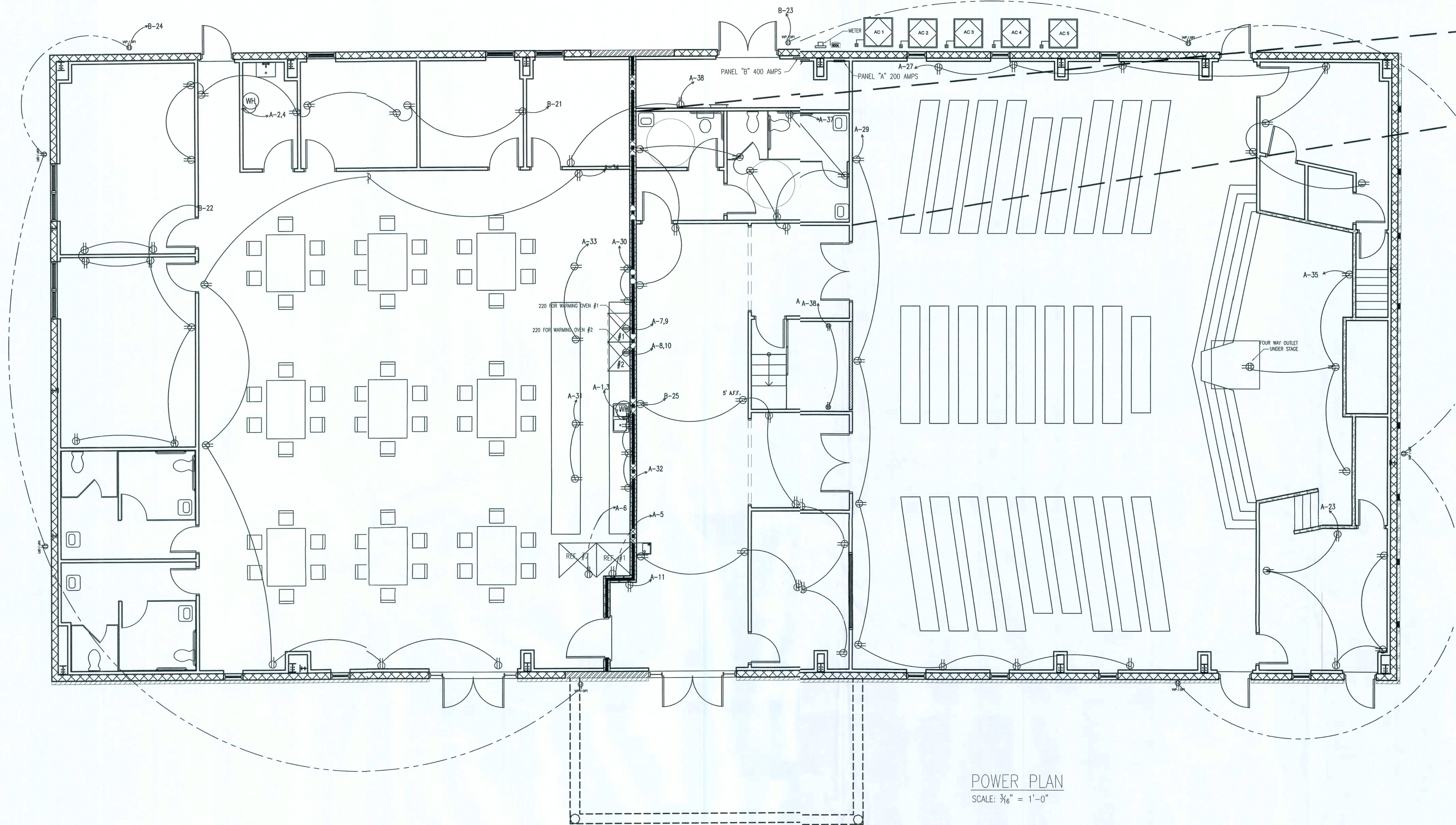
LIGHTING PLAN

P.O. Box 187
130 West Howard Street
Live Oak FL 32004
Phone: (386) 362-3678
Fax: (386) 362-6133
Gary Gill, PE 51942
Auth. # 9461



REV #	DATE	REVISION NOTES
-	10-20-06	ISSUED FOR CONSTRUCTION
01	10-09-07	ADDED 4 HOUR FIREWALL

15-Feb-08



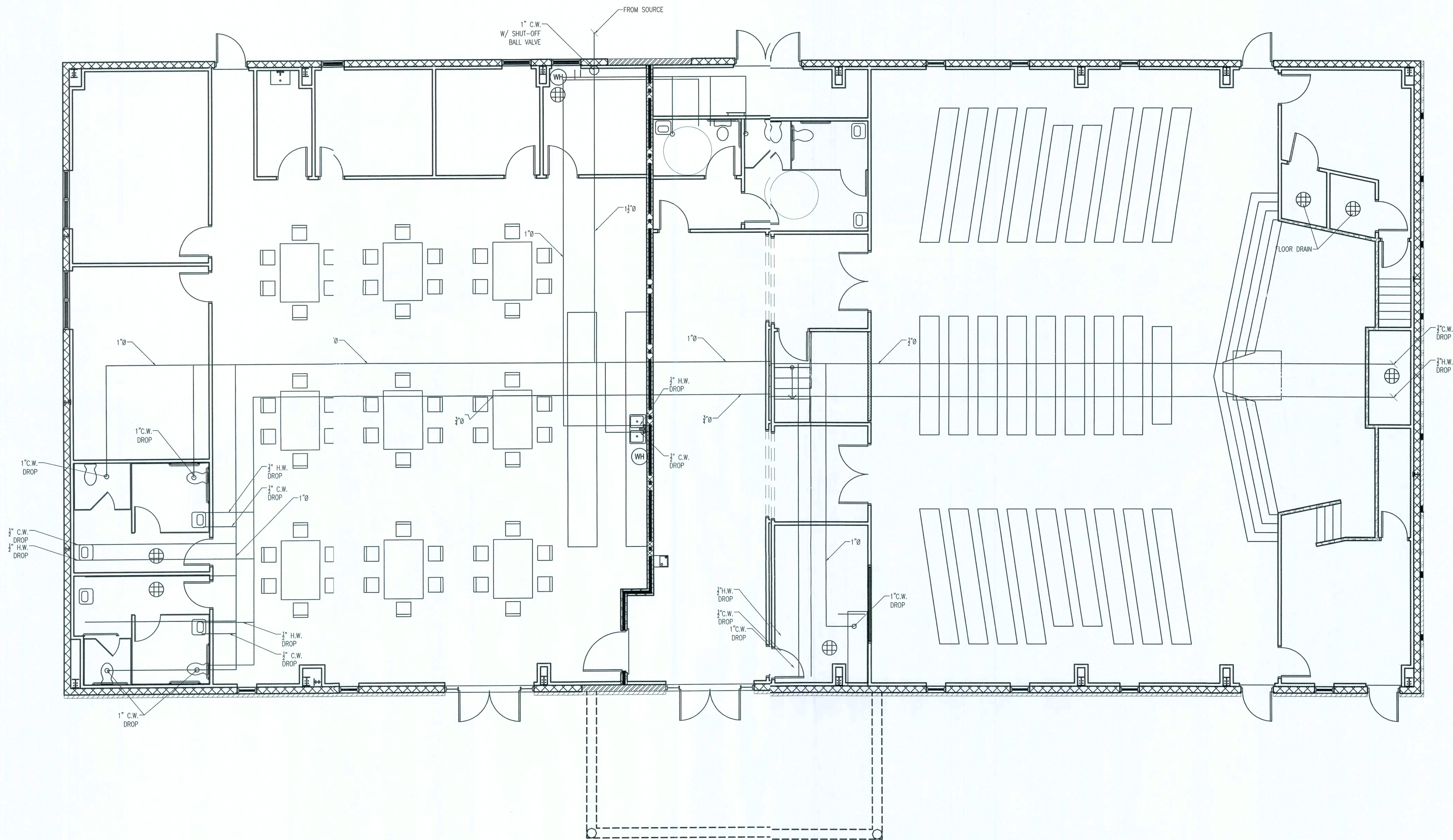
ELECTRICAL LEGEND		
SYMBOL	QUANTITY	DESCRIPTION
(M)	AS	STANDARD CEMENT

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

ISSUED FOR APPROVAL

2/12/08

PROJECT NUMBER PF06-193S		REVISION NOTES 10-09-07 ADDED 4 HOUR FIREWALL			
DRAWN BY -		REV. # 01			
CHECKED BY G.G.		DATE 10-09-07			
E-1.1		P.O. Box 187 130 West Howard Street Live Oak FL 32064 Phone: (386) 362-3678 Fax: (386) 362-6133 Auth. #9461 STRUCTURAL CIVIL ENGINEERS			
7TH DAY ADVENTIST CHURCH NEW WORSHIP CENTER COLUMBIA COUNTY, FLORIDA					
POWER PLAN					



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

ISSUED FOR APPROVAL

7TH DAY ADVENTIST CHURCH
NEW WORSHIP CENTER
COLUMBIA COUNTY, FLORIDA

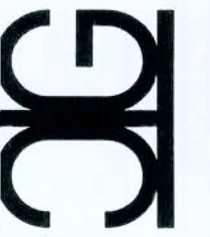
WATER SUPPLY PLAN

PROJECT NUMBER
PF06-193S
DRAWN BY
-
CHECKED BY
G.G.

P-1

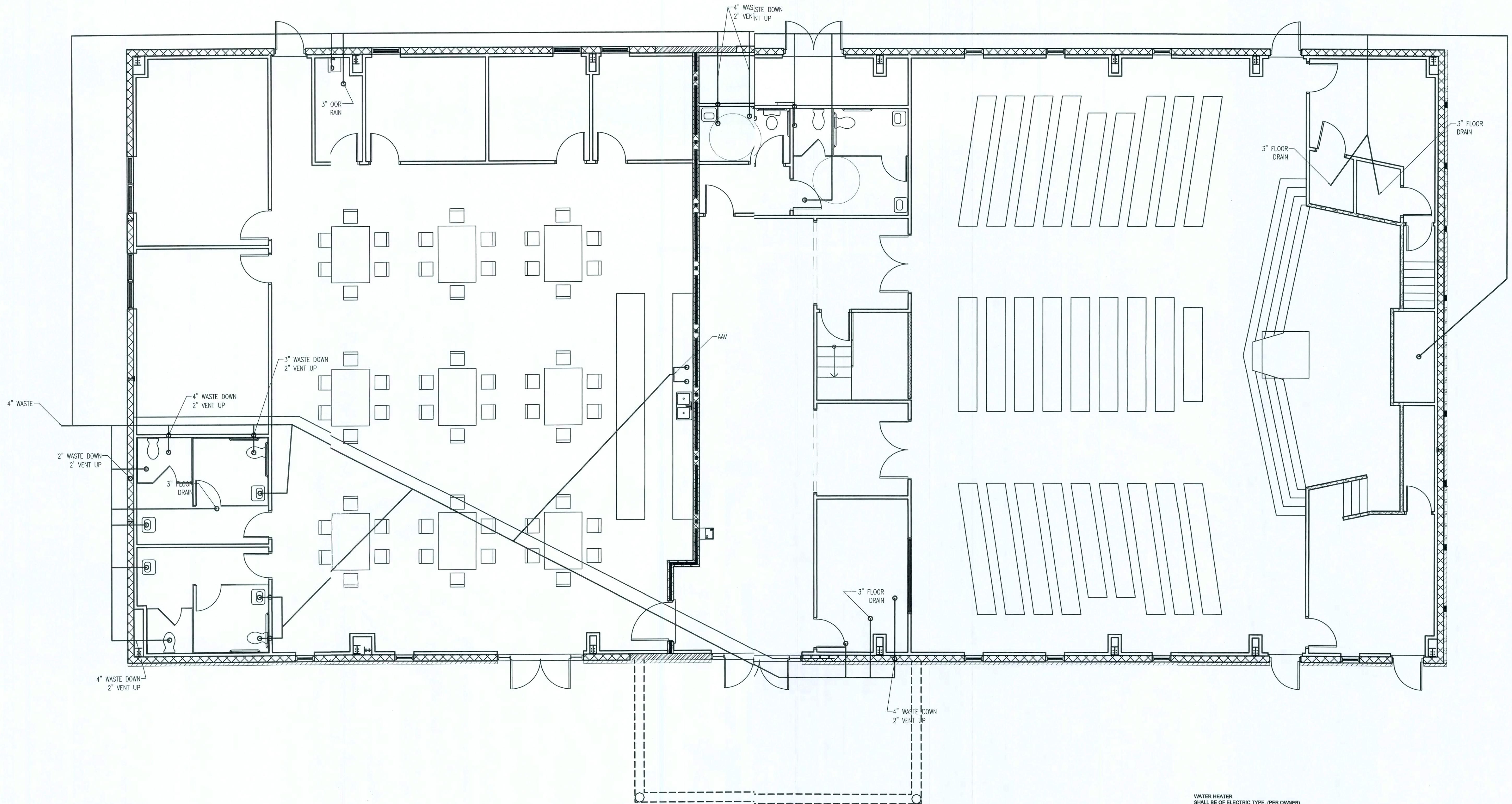
SHEET 14 OF 15

P.O. Box 187
130 West Howard Street
Live Oak FL 32064
Phone: (386) 362-3678
Fax: (386) 362-6133
Auth. # 9461
STRUCTURAL CIVIL ENGINEERS GARY GILL, PE 51942



REVISION NOTES
REV. # DATE
01 10-09-07 ADDED 4 HOUR FIREWALL

2/19/08

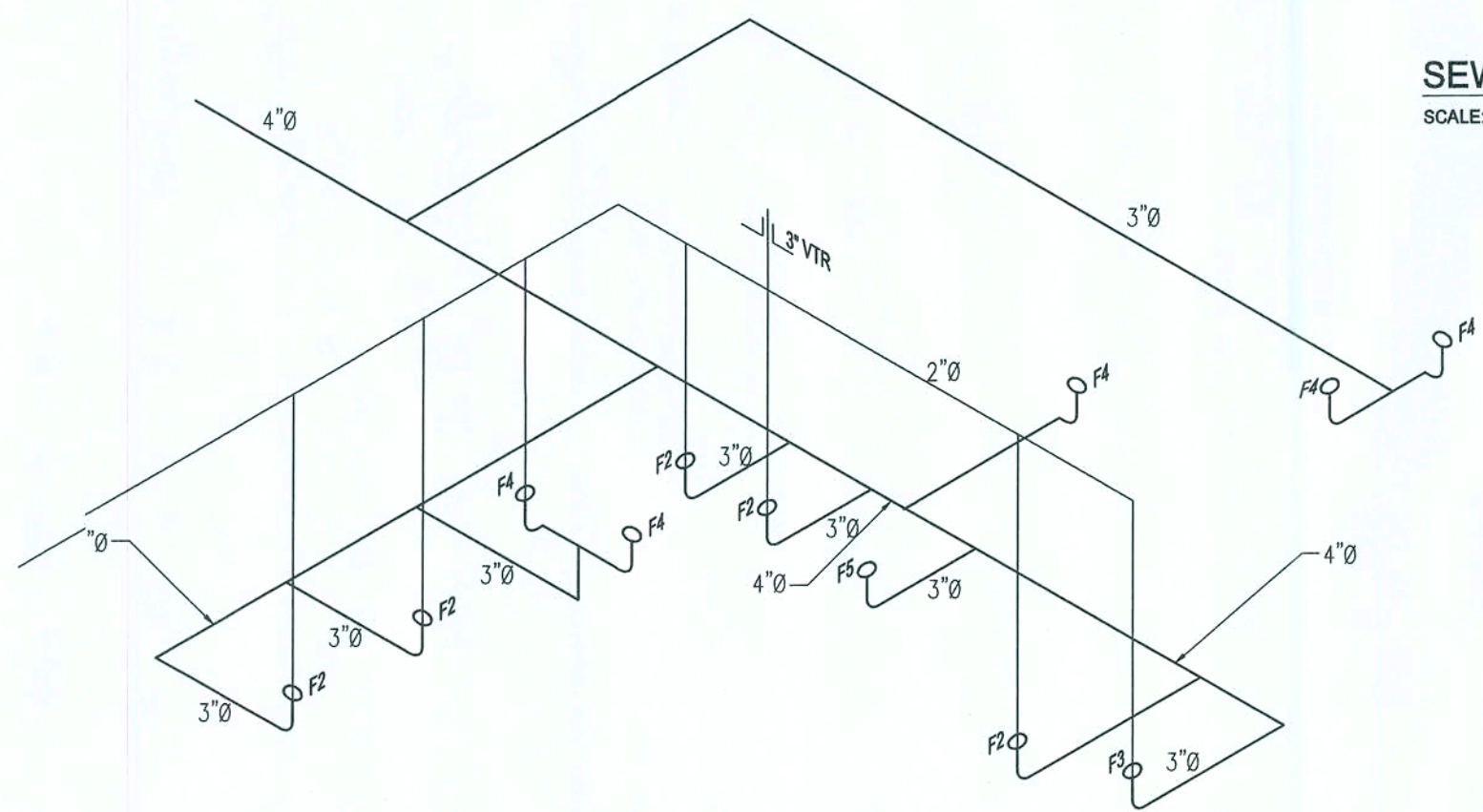


FIXTURES:

F1 = LAVATORY
F2 = WATER CLOSET
F3 = FLOOR DRAIN
F4= SINK
F5 = URINAL
FD = FLOOR DRAIN

NOTES:

1. SOIL PIPING, VENTS, AND STACK TO BE SCH. 40 PVC.
2. ALL AAV (AIR ADMITTANCE VENT) VALVES TO BE ACCESSIBLE IN CABINETS OR BY ACCESS GRILLE FOR MAINTENANCE.
3. ALL WORK TO BE INSPECTED AND TESTED IN ACCORDANCE WITH LOCAL CODES.



PLUMBING RISER DIAGRAM
SCALE: N.T.S.

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

1. DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL PLUMBING FIXTURES, EQUIPMENT, ETC. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED FOR A COMPLETE AND ACCEPTABLE WORKING INSTALLATION.
2. ALL WORK AND MATERIAL SHALL COMPLY WITH THE NATIONAL, STATE, AND ALL LOCAL CODES AND ORDINANCES HAVING JURISDICTION.
3. THE PLUMBING CONTRACTOR SHALL VISIT THE SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS. ALL EXECUTION AND BACKFILL AS REQUIRED FOR THIS PHASE OF CONSTRUCTION SHALL BE A PART OF THIS CONTRACT.
4. ALL MATERIAL SHALL BE NEW.
5. ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND ACCEPTED BY ENGINEER/ARCHITECT.
6. ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY OR PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
7. THE PLUMBING CONTRACTOR SHALL SECURE AND PAY ALL PERMIT FEES, INSPECTIONS, AND TESTS.
8. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
9. THE PLUMBING CONTRACTOR SHALL GUARANTEE ALL MATERIAL AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN (1) ONE YEAR FROM DATE OF ACCEPTANCE. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGES AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE IN THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
10. VERIFY LOCATION, SIZE AND INVERTS OF ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION. ADVISE ENGINEER/ARCHITECT OF ANY DISCREPANCIES.
11. ALL FIXTURES SHALL BE PROVIDED WITH READILY ACCESSIBLE STOPS.
12. WATER PIPING SHALL BE CPVC.
13. SOIL, WASTE, AND VENT PIPING SHALL BE PVC SCHEDULE 40 DWT. WASTE AND VENT PIPING ABOVE SLAB SHALL BE PVC.
14. AIR CONDITIONING CONDENSATE DRAIN PIPING SHALL BE PVC SCHEDULE 40. INSULATE ALL CONDENSATE PIPING EXCEPT EXTERNAL PIPING. ALL PIPING TO BE INSTALLED PER LOCAL CODE.
15. FURNISH AND INSTALL APPROVED AIR CHAMBERS/AT EACH PLUMBING FIXTURE AND POI APPROVED SHOCK ARRESTERS ON MAIN LINE AND RISERS.
16. PROVIDE CHROME PLATED COMBINATION COVERED PLATE AND CLEANOUT PLUG FOR ALL WALL CLEANOUTS, JOSAM #88860.
17. INSULATE LINES AS FOLLOWS:
a. WATER SUPPLY AND RETURNS: 1" THICK ARMAFLEX
b. CONDENSATE DRAIN: 3/4" THICK ARMAFLEX

WATER HEATER
SHALL BE OF ELECTRIC TYPE. (PER OWNER)

WC
SHALL BE AN AMERICAN STANDARD MODEL NEW CADET II AQUAMETER 2174.139 ELONGATED TANK 1.6 GPF. VITREOUS CHINA, SIPHON ACTION BOWL, CLOSE-COUPLED TANK, SPEED CONNECT TANK/BOWL COUPLING SYSTEM TOILET AND AN OLSONITE #95 OPEN SEAT LESS COVER.

HC WC
SHALL BE AN AMERICAN STANDARD MODEL NEW CADET II AQUAMETER 2216.143 ELONGATED 16" HIGH, 1.6 GPF, VITREOUS CHINA, SIPHON ACTION BOWL, CLOSE-COUPLED TANK, SPEED CONNECT TANK/BOWL COUPLING SYSTEM TOILET AND AN OLSONITE #95 OPEN SEAT LESS COVER.

KITCHEN SINK
SHALL BE ELKAY LUSTERTONE MODEL DLH-2222-10-C SINGLE BOWL, STAINLESS STEEL SELF-RIMMING SINK WITH L24252 18-ARC FAUCET TO INCLUDE AN OMNI PRESSURE COMPENSATING 2.0 GPM FLOW RESTRICTOR.

JANITOR SINK
SHALL BE AN AMERICAN STANDARD MODEL FLORWELL 7745.020 ENAMELED CAST IRON SERVICE SINK WITH 7745.011 REMOVABLE VINYL-COATED RIM GUARD, 7721.038 DRAIN WITH STRAINER AND 7298.152 HERITAGE SERVICE SINK FITTING FAUCET TO INCLUDE AN OMNI PRESSURE COMPENSATING VANDAL RESISTANT 2.0 GPM FLOW RESTRICTOR WITH BUCKET HOOKS.

LAV
SHALL BE AN AMERICAN STANDARD MODEL RONDALYN 0481.019 VITREOUS CHINA SELF-RIMMING STYLE CLASSIC ROUND SHAPE. PROVIDE A 5401.152H HERITAGE CENTER SET FAUCET TO INCLUDE AN OMNI PRESSURE COMPENSATING 0.5 GPM FLOW RESTRICTOR

HC LAV
SHALL BE AN AMERICAN STANDARD MODEL RONDALYN 0481.019 VITREOUS CHINA SELF-RIMMING STYLE CLASSIC ROUND SHAPE. PROVIDE A 5401.152H HERITAGE CENTER SET FAUCET WITH 4" WRIST BLADE HANDLES TO INCLUDE AN OMNI PRESSURE COMPENSATING 0.5 GPM FLOW RESTRICTOR. AGUASEAL VALVE AND CHROME FINISH. GRIP DRAIN. OFFSET PERFORATED WHEELCHAIR LAVATORY DRAIN ASSEMBLY WITH 1-1/2" TAILPIECE. MCQUORE #155WC.

EWIC
SHALL BE AN OASIS MODEL PLF6WMEIE, 8.0 GPM, 4.8 FLA AT 120 VOLT WITH A 1/5 HP COMPRESSOR

HOSE BIBB
SHALL BE A JOSAM 71000-15 SERIES CAST BRONZE BOX TYPE NON-FREEZE VANDAL PROOF WALL HYDRANT WITH COVER AND CONTROL KEY.

- NOTES:
1. ALL PLUMBING FIXTURES SHALL BE AS SPECIFIED OR APPROVED EQUAL.
 2. PROVIDE ANGLE STOPS ON ALL WATER SERVICE LINES TO FIXTURE FOR INDIVIDUAL SHUT-OFF.
 3. ALL HANDICAP PLUMBING FIXTURES SHALL BE INSTALLED PER THE LATEST ADA REQUIREMENTS.

REVISION NOTES REV # 01 DATE 10-09-07 ADDED 4 HOUR FIREWALL	
P.O. Box 187 130 West Howard Street Live Oak FL 32064 Phone: (386) 362-3678 Fax: (386) 362-6133 Auth. # 9461 STRUCTURAL CIVIL ENGINEERS	
7TH DAY ADVENTIST CHURCH NEW WORSHIP CENTER COLUMBIA COUNTY, FLORIDA	
PLUMBING PLAN	
PROJECT NUMBER PF06-193S	
DRAWN BY -	
CHECKED BY G.G.	
P-2	
SHEET 15 OF 15	

ISSUED FOR APPROVAL

1/2/08