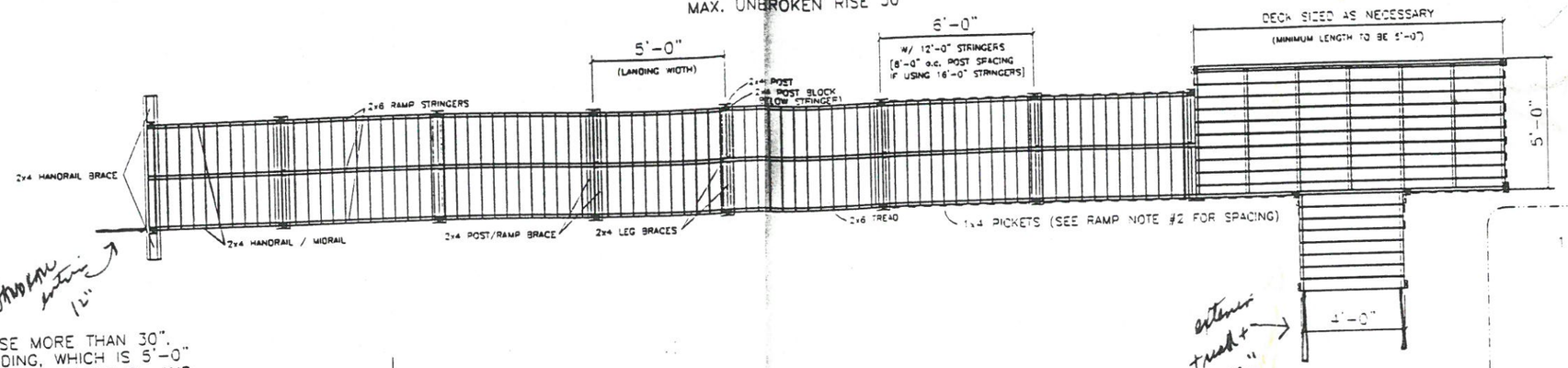
TYPICALS



RAMP NOTES:

1) IF RAMP IS TO RISE MORE THAN 30", MUST HAVE A LANDING, WHICH IS 5'-0" WIDE IN THE DIRECTION OF TRAVEL, AND AT LEAST AS WIDE AS THE RAMP LEADING TO IT.

2) WHERE THE WALKING SURFACE IS GREATER THAN 30" TO THE GROUND BELOW, PICKETS SHALL BE INSTALLED SUCH THAT A 4" DIAMETER SPHERE CANNOT PASS BETWEEN THEM, AND A GUARDRAIL MOUNTED AT 42" FROM THE LANDING SURFACE TO THE TOP OF THE GUARDRAIL IS ALSO REQUIRED.

3) A HANDRAIL WITH A GRIPPING SURFACE OF BETWEEN 1 1/4"–1 1/2" DIAMETER IS REQUIRED AND IS TO BE MOUNTED WITH ITS TOP SURFACE BETWEEN 34" – 38".

4) THE MINIMUM WIDTH OF A RAMP IS TO BE 36" CLEAR, UNLESS NFPA 101 (LIFE SAFETY CODE) GOVERNS THE CONSTRUCTION, IN WHICH CASE THE MINIMUM CLEAR WIDTH IS 44" AND THE HANDRAILS MAY NOT PROTRUDE INTO THE WIDTH OF THE RAMP MORE THAN 3".

5) LANDINGS AT DOORS ARE TO BE LEVEL, AND IF THE DOOR SWINGS OUT AND THE APPROACH IS FROM THE LATCH SIDE OF THE DOOR, THE LANDING IS TO EXTEND BEYOND THE LATCH SIDE AT LEAST 18".

6) IF THE APPROACH TO THE DOOR IS FROM THE HINGE SIDE, THE LANDING IS TO EXTEND BEYOND THE LATCH SIDE OF THE DOOR A MINIMUM OF 36", PROVIDED THE LANDING IS AT LEAST 60" WIDE. IF THE LANDING IS 54" WIDE, IT MUST EXTEND BEYOND THE LATCH SIDE A MINIMUM OF 42".

7) HANDRAILS ARE REQUIRED ON BOTH SIDES OF RAMP.

8) RAMPS AND LANDINGS WITH DROP-OFFS SHALL HAVE CURBS TO PREVENT PEOPLE FROM SLIPPING OFF OF THE RAMP. CURBS SHALL BE A MINIMUM OF 2" HIGH.

STAIR NOTES:

1) ON ANY GIVEN FLIGHT OF STAIRS, ALL STEPS SHALL HAVE UNIFORM RISER HEIGHTS AND TREAD WIDTHS. TREADS ARE TO BE NO LESS THAN 11" WIDE, AS MEASURED FROM RISER TO RISER. OPEN RISERS ARE NOT PERMITTED.

2) THE UNDERSIDE OF NOSINGS SHALL NOT BE ABRUPT. NOSINGS SHALL HAVE A RADIUS OF CURVATURE AT THE LEADING EDGE OF THE TREAD OF NOT GREATER THAN 1/2". RISERS SHALL BE SLOPED OR SHALL BE ANGLED TO NOT LESS THAN 60 DEGREES FROM HORIZONTAL. NOSINGS SHALL NOT PROJECT MORE THAN 1 1/2".

3) HANDRAILS ARE REQUIRED ON BOTH SIDES OF ALL STAIRS, AND SHALL BE CONTINUOUS ALONG BOTH SIDES OF THE STAIRS. ~~IF THEY ARE NOT CONTINUOUS~~, THEY SHALL EXTEND AT LEAST 12" BEYOND THE TOP RISER, AND 12" PLUS THE WIDTH OF ONE TREAD BEYOND THE BOTTOM RISER. THE TOP EXTENSION SHALL BE PARALLEL WITH THE LANDING, AND THE BOTTOM EXTENSION SHALL BE PARALLEL WITH THE RAMP FOR THE LENGTH OF ONE TREAD, THEN IT SHALL BECOME HORIZONTAL.

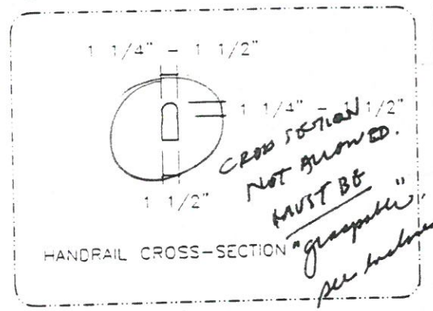
4) THE CLEAR SPACE BETWEEN HANDRAILS AND WALLS SHALL BE 1 1/2".

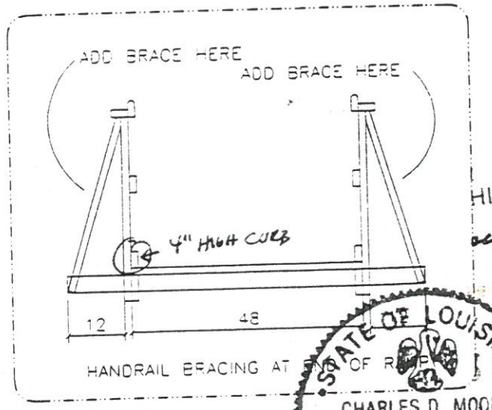
5) GRIPPING SURFACES ~~SHALL~~ BE UNINTERRUPTED.

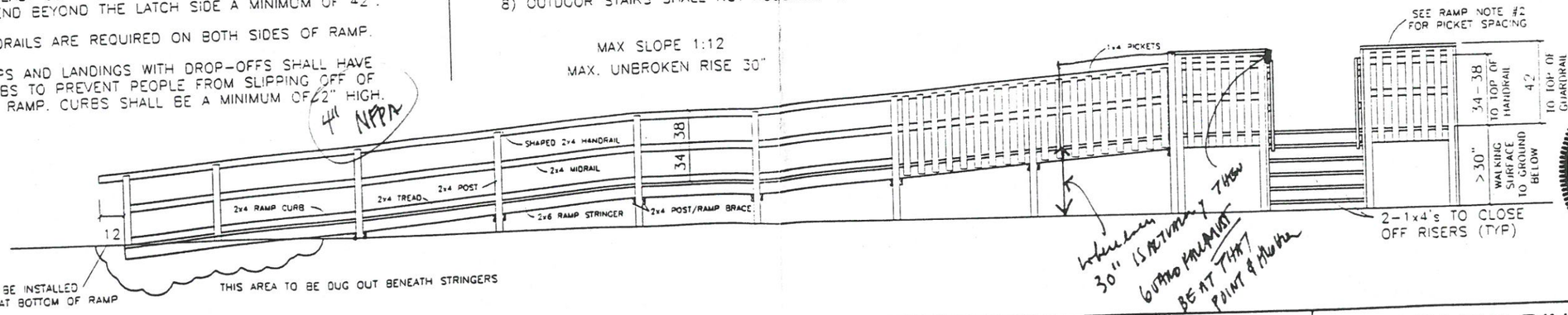
6) TOP OF HANDRAIL (GRIPPING) SURFACE SHALL BE MOUNTED BETWEEN 34"–38" ABOVE STAIR NOSINGS.

7) ENDS OF HANDRAILS SHALL BE ROUNDED OR RETURNED SMOOTHLY TO WALL, FLOOR, OR POST, AND SHALL NOT ROTATE WITHIN THEIR FITTINGS.

8) OUTDOOR STAIRS SHALL NOT ACCUMULATE WATER ON THEIR WALKING SURFACES.







STATE OF LOUISIANA
CHARLES D. MOORE
REG. No. 21660
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
7/8/99

STATE OF LOUISIANA
FOY B. GADBERRY
REG. No. 20722
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/3/99

LTR	REVISION	BY	DATE
A	ADD STAIR NOTES	2	9/05/97
B	ADD LS-101 NOTE TO RAMP WIDTH	2	5/12/98
			12/03/98

DRAWN BY: TWO
DATE: 2/27/97
PROJECT: HANDICAP RAMP
SCALE: 3/16" = 1'-0"
TITLE.. RAMP DETAILS
DWG. NO. HCRAMP97
SHEET

COMARK BUILDING SYSTEMS, INC.

230F23

PANEL "A"

MIN WIRE SIZE	200 AMP 2-POLE SINGLE PHASE MAIN BREAKER						MIN WIRE SIZE
12	LIGHTING	20	1	2	20	LIGHTING	12
12	LIGHTING	20	3	4	20	EXT. LIGHTS	12
12	RECEPTS	20	5	6	20	RECEPTS	12
12	RECEPTS	20	7	8	20	DED. RECEPT	12
12	RECEPTS	20	9	10	20	ALARM PANEL	12
12	WATER HEATER	20	11	12	60	3.5-TON / 10 kw	6
6	3.5-TON / 10kw	60	13	14	2P	HVAC UNIT	
	HVAC UNIT	2P	15	16	60	3-TON / 10 kw	6
			17	18	2P	HVAC UNIT	
			19	20			
			21	22			
			23	24			

GROUND BAR

NEUTRAL

WIRE SIZE OF:

SERVICE CONDUCTORS: 3/0

SERVICE GROUND : 4

240

LOAD CALC.-PANEL "A"			200 AMP
QTY	ITEM		WATTS	TOTAL
21	FLUORESCENT LIGHTS	x	108	2835 WATTS
17	RECEPTACLES	x	180	3060 WATTS
1	WATER HEATER	x	2000	2000 WATTS
4	EXHAUST FANS	x	204	1020 WATTS
1	COMPACT FLUOR.	x	13	16.25 WATTS
1	INCANDESCENT LIGHT	x	100	125 WATTS
7	FLOOD LIGHTS	x	200	1750 WATTS
1	LIGHTED EXIT SIGNS	x	2.8	3.5 WATTS
1	EMERGENCY LIGHTS	x	14.4	14 WATTS
1	WATER COOLER	x	410	410 WATTS
1	DED. RECEPT	x	1500	1500 WATTS
1	ALARM PANEL	x	144	144 WATTS
1	HVAC BLOWER- 3 TON	x	624	624 WATTS
2	HVAC BLOWER- 3.5 TON	x	840	1680 WATTS
3	10 KW HEAT STRIPS	x	10000	30000 WATTS
	TOTAL			45182 WATTS
	PANEL LOAD		45182	
	VOLTAGE		240	
	PANEL REQUIREMENT			188.26 AMPS

PANEL "B"

MIN WIRE SIZE	200 AMP 2-POLE SINGLE PHASE MAIN BREAKER						MIN WIRE SIZE
12	LIGHTING	20	1	2	20	LIGHTING	12
12	LIGHTING	20	3	4	20	LIGHTING	12
12	EXT. LIGHTS	20	5	6	20	RECEPTS	12
12	RECEPTS	20	7	8	20	RECEPTS	12
12	RECEPTS	20	9	10	20	RECEPTS	12
12	RECEPTS	20	11	12	20	RECEPTS	12
12	RECEPTS	20	13	14	20	RECEPTS	12
12	RECEPTS	20	15	16	20	RECEPTS	12
12	RECEPTS	20	17	18	60	3-TON / 10kw	6
6	3-TON / 10kw	60	19	20	2P	HVAC UNIT	
	HVAC UNIT	2P	21	22	60	3-TON / 10kw	6
			23	24	2P	HVAC UNIT	

GROUND BAR

NEUTRAL

WIRE SIZE OF:

SERVICE CONDUCTORS: 3/0

SERVICE GROUND : 4

240

LOAD CALC.- PANEL "B"			200 AMP
QTY	ITEM		WATTS	TOTAL
24	FLUORESCENT LIGHTS	x	108	3240 WATTS
49	RECEPTACLES	x	180	8820 WATTS
1	COMPACT FLUOR.	x	13	16.25 WATTS
0	EXHAUST FANS	x	204	0 WATTS
0	DED. RECEPT	x	1500	0 WATTS
7	FLOOD LIGHTS	x	200	1750 WATTS
1	LIGHTED EXIT SIGNS	x	2.8	3.5 WATTS
1	EMERGENCY LIGHT	x	14.4	14 WATTS
3	HVAC BLOWER- 3 TON	x	624	1872 WATTS
0	HVAC BLOWER- 3.5 TON	x	840	0 WATTS
3	10 KW HEAT STRIPS	x	10000	30000 WATTS
	TOTAL			45716 WATTS
	PANEL LOAD		45716	
	VOLTAGE		240	
	PANEL REQUIREMENT			190.48 AMPS

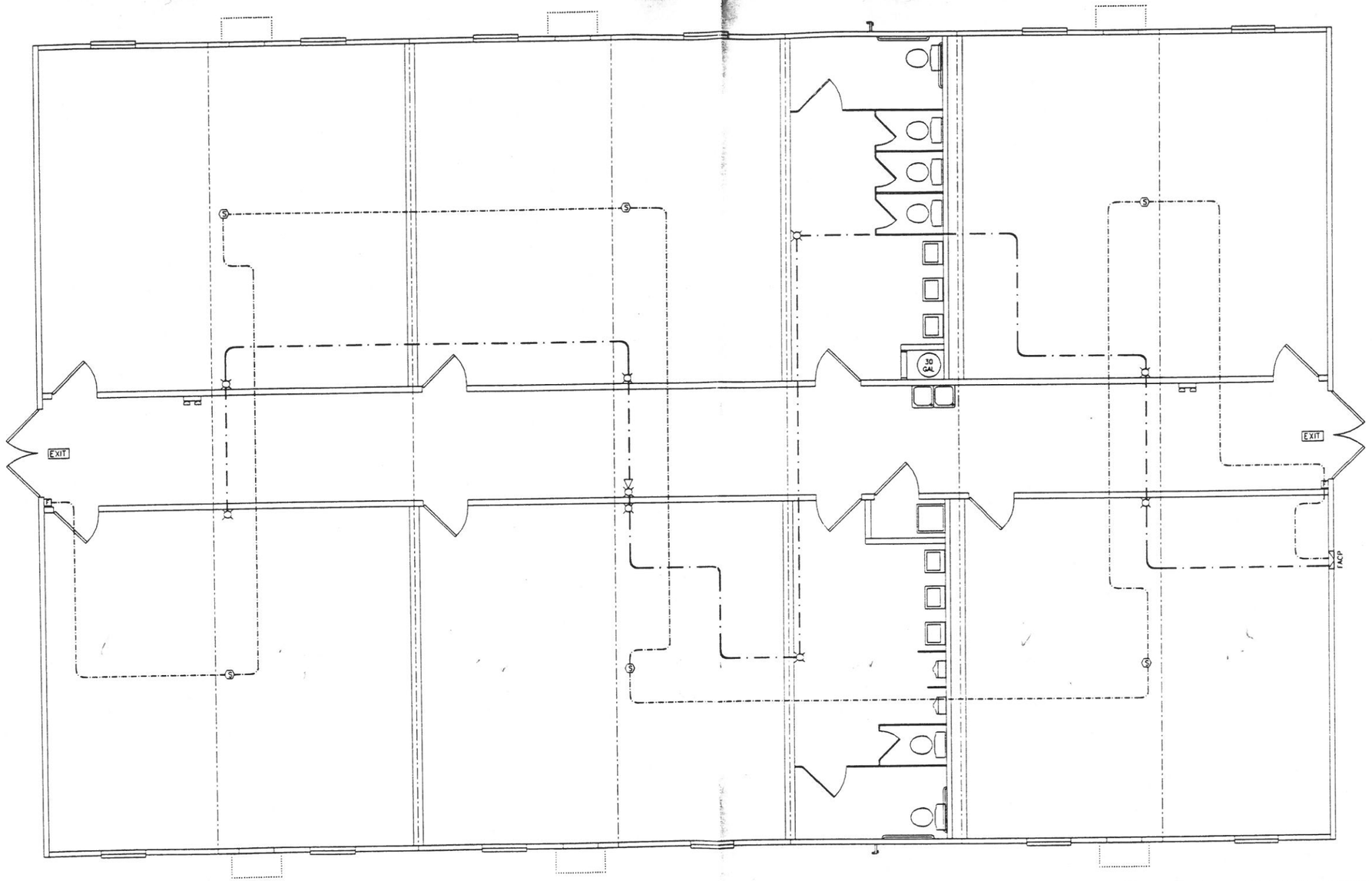
BUILDING LOAD CALC

PANEL "A" LOAD	45182 WATTS
PANEL "B" LOAD	45716 WATTS
TOTAL	90898 WATTS
VOLTAGE	240 v
TOTAL AMPS	378.74 AMPS

CALCS. BY:	PROJECT:	DATE:	SHEET No.
B.S.	APTIST CHRISTIAN SCHOOL	May 26, 1999	E-2
CHECKED BY:	DWG No.	**COMARK BUILDING SYSTEMS, INC.**	
	5688HBCS		

STATE OF LOUISIANA
CHARLES D. MOORE
REG. No. 24527
REGISTERED
PROFESSIONAL ENGINEER
ENGINEERING
7/1/99

STATE OF LOUISIANA
FOY B. GADBERRY
REG. No. 20722
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/3/99



CERTIFIED AS BEING MORE MODERN THAN PLAN/LAYOUT.

STATE OF LOUISIANA
CHARLES D MOORE
REG. No. 24627
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
7/5/99

STATE OF LOUISIANA
FOY B. GADBERRY
REG. No. 20722
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/3/99

QTY.	EQUIPMENT	MANUFACTURER	CATOLOG NO.	NOTES
1	FIRE ALARM CONTROL PANEL	FIRE-LITE ALARMS	MS-4424	
2	MANUAL PULL STATION	FIRE-LITE ALARMS	BG-10	
1	HORN / STROBE	SYSTEM SENSOR	P-2475	90 dBA 75 candela
8	STROBE	SYSTEM SENSOR	S-2475	75 candela
6	SMOKE DETECTOR	SYSTEM SENSOR	2400	

18 AWG TYPE FPL WIRE INSTALLED TO HORN / STROBES
18 AWG TYPE FPLP WIRE INSTALLED TO MANUAL PULLSTATIONS

SYMBOL LEGEND

- EXIT — LIGHTED EXIT SIGN W/ BATTERY BACK-UP
- EMERGENCY LIGHT W/ BATTERY BACK-UP
- ALARM PULL STATION AT 48" A.F.F.
- ALARM HORN/STROBE AT 80" A.F.F.
- ALARM STROBE AT 80" A.F.F.
- (S) SMOKE DETECTOR
- FACP — FIRE ALARM CONTROL PANEL

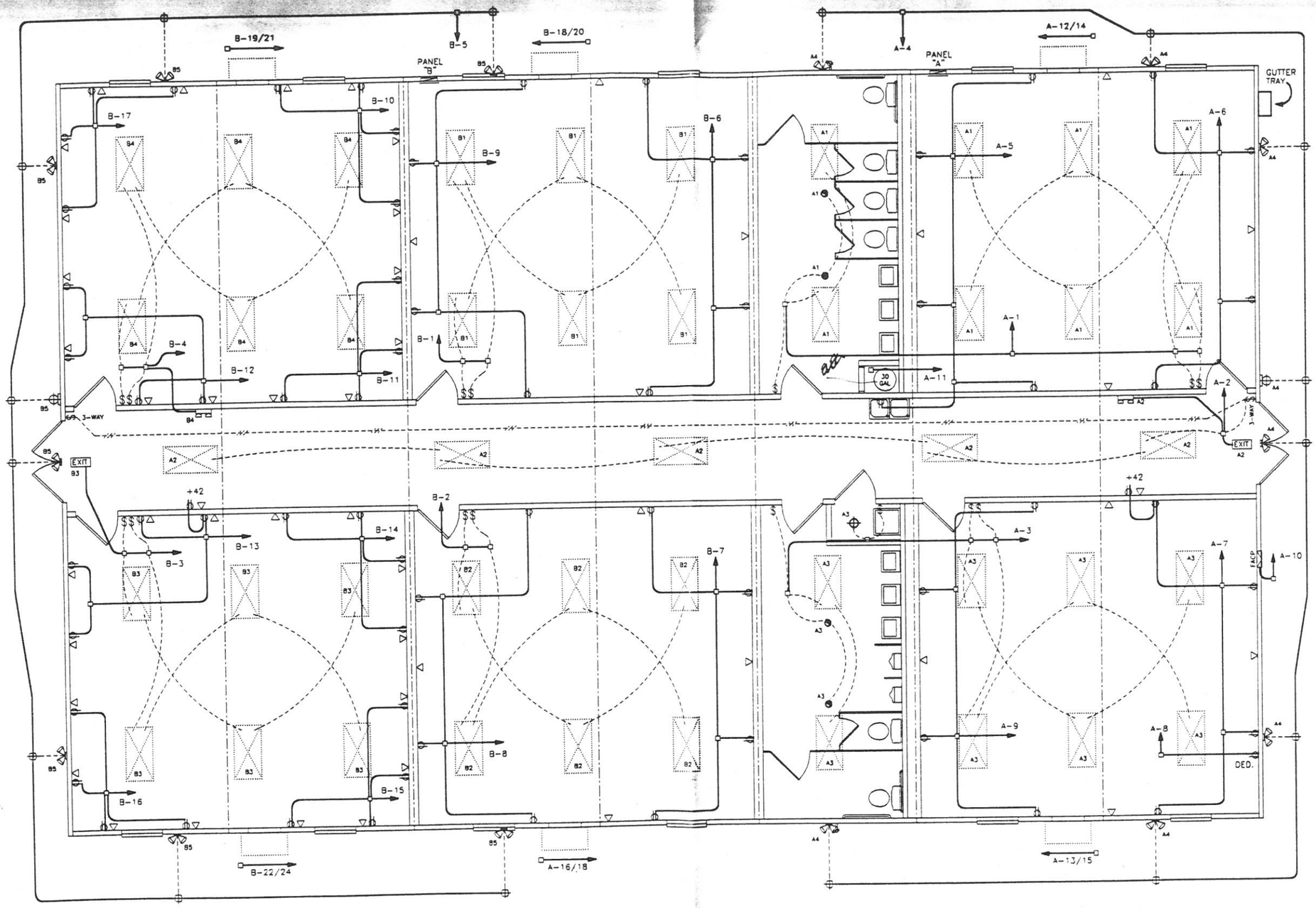
DETAIL 18

LTR	REVISION	BY	DATE

DRAWN BY: B.S.
CHECKED BY:
PROJECT: CLASSROOM BUILDING HIGHLAND BAPTIST CHRISTIAN SCHOOL NEW IBERIA, LA.
SCALE: 1/8" = 1'-0"
TITLE: FIRE ALARM LAYOUT
DWG. NO. 5688HBCS
DATE: 5/21/99
SHEET E-3

COMARK BUILDING SYSTEMS, INC.

21 OF 23



SYMBOL LEGEND

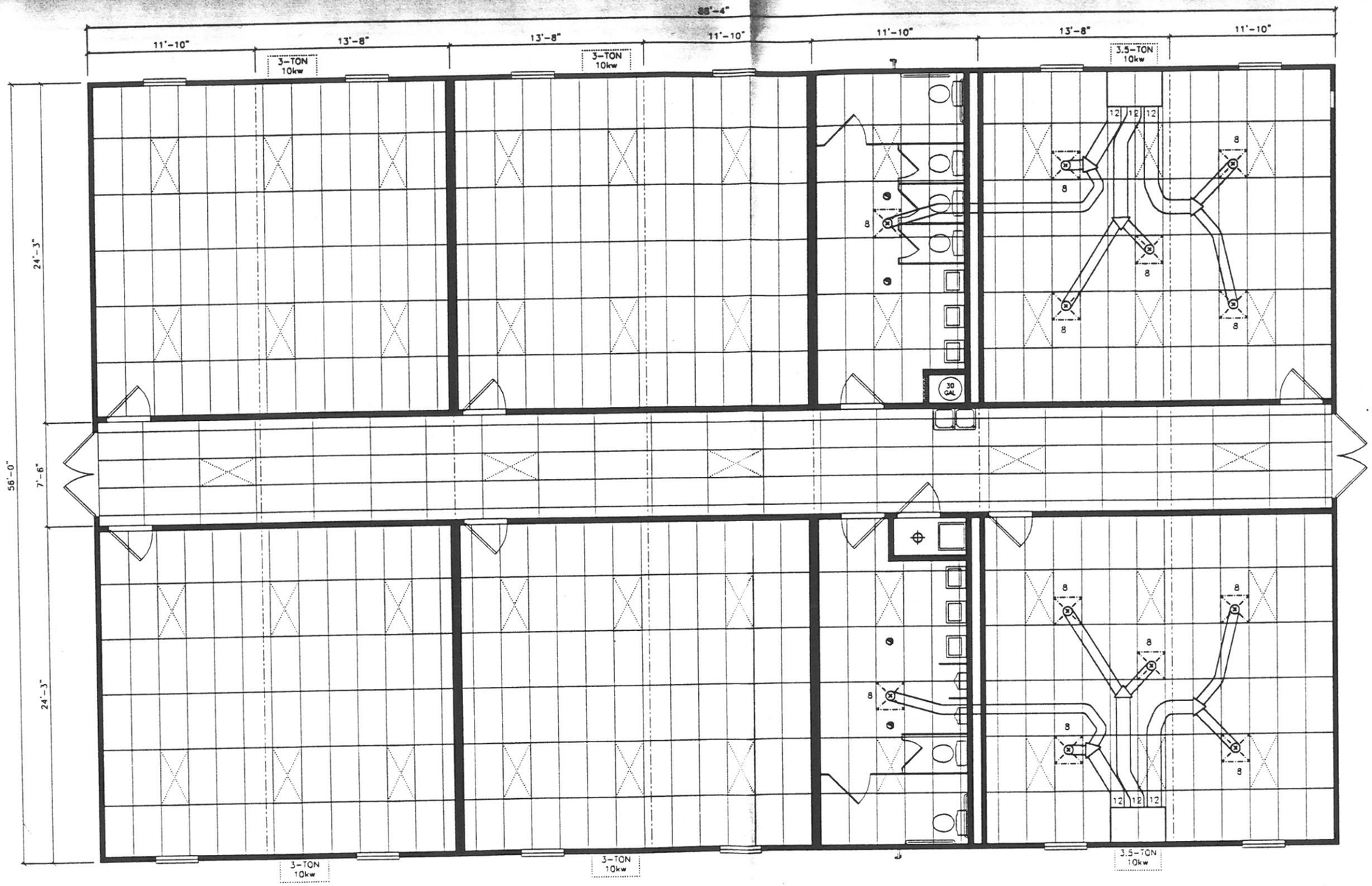
- 24" x 48" FLUORESCENT LIGHT
- $ SWITCH
- RECEPTACLE
- DEDICATED RECEPTACLE
- DED.
- PHONE STUB-IN
- EXHAUST FAN (350 CFM)
- COMPACT FLUORESCENT EXTERIOR LIGHT ON PHOTOCELL
- FLOOD LIGHTS ON PHOTOCELL
- PHOTOCELL
- EXIT LIGHTED EXIT SIGN W/ BATTERY BACK-UP
- EMERGENCY LIGHT W/ BATTERY BACK-UP
- FACP FIRE ALARM CONTROL PANEL
- ELECTRICAL DISTRIBUTION PANEL

STATE OF LOUISIANA
CHARLES D. MOORE
REG. No. 24527
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
7/15/99

STATE OF LOUISIANA
FOY B. GADBERRY
REG. No. 20722
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/3/99

LTR	REVISION	BY	DATE

DRAWN BY: B.S.	PROJECT: CLASSROOM BUILDING HIGHLAND BAPTIST CHRISTIAN SCHOOL NEW IBERIA, LA.	TITLE: ELECTRICAL SCHEMATIC	DATE: 5/21/99	COMARK BUILDING SYSTEMS, INC.
CHECKED BY:	SCALE: 1/8" = 1'-0"	DWG. NO. 5688HBCS	SHEET E-1	



SYMBOL LEGEND

- 48" x 24" FLUORESENT LIGHT (4-TUBE)
- 24" x 24" SUPPLY DIFFUSER
- EXHAUST FAN (350 CFM)

STATE OF LOUISIANA
CHARLES D. MOORE
REG. No. 24627
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
7/15/99

STATE OF LOUISIANA
FOY B. GADBERRY
REG. No. 20722
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
7/15/99

LTR	REVISION	BY	DATE

DRAWN BY: B.S.

CHECKED BY: CG

PROJECT: CLASSROOM BUILDING
HIGHLAND BAPTIST CHRISTIAN SCHOOL
NEW IBERIA, LA.

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

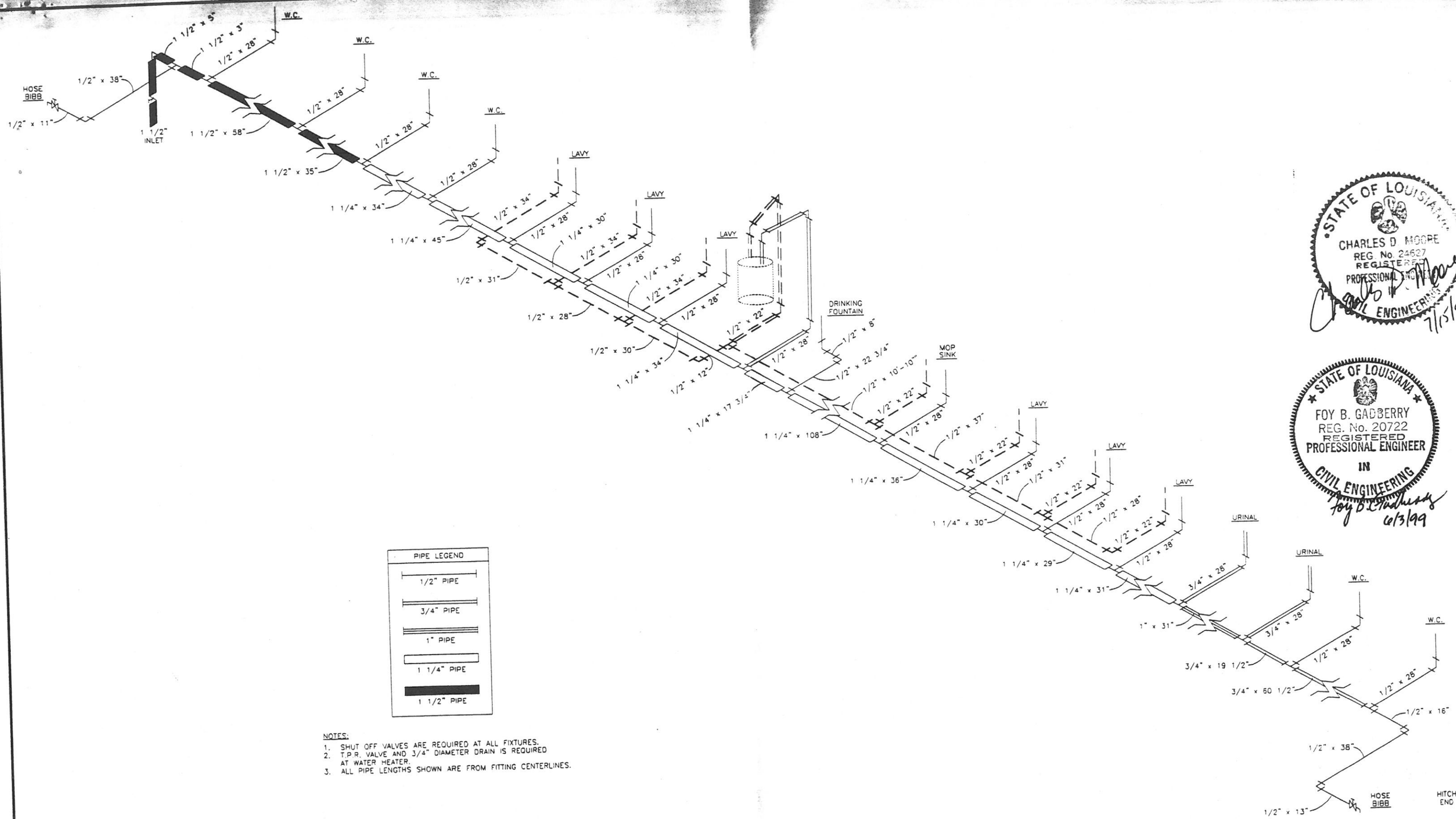
TITLE: CEILING GRID / HVAC LAYOUT

DWG. NO. 5688HBCS

DATE: 5/21/99

SHEET M-3

COMARK BUILDING SYSTEMS, INC.



PIPE LEGEND
1/2" PIPE
3/4" PIPE
1" PIPE
1 1/4" PIPE
1 1/2" PIPE

NOTES:
1. SHUT OFF VALVES ARE REQUIRED AT ALL FIXTURES.
2. T.P.R. VALVE AND 3/4" DIAMETER DRAIN IS REQUIRED AT WATER HEATER.
3. ALL PIPE LENGTHS SHOWN ARE FROM FITTING CENTERLINES.

STATE OF LOUISIANA
CHARLES D MOORE
REG. No. 24627
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
7/15/99

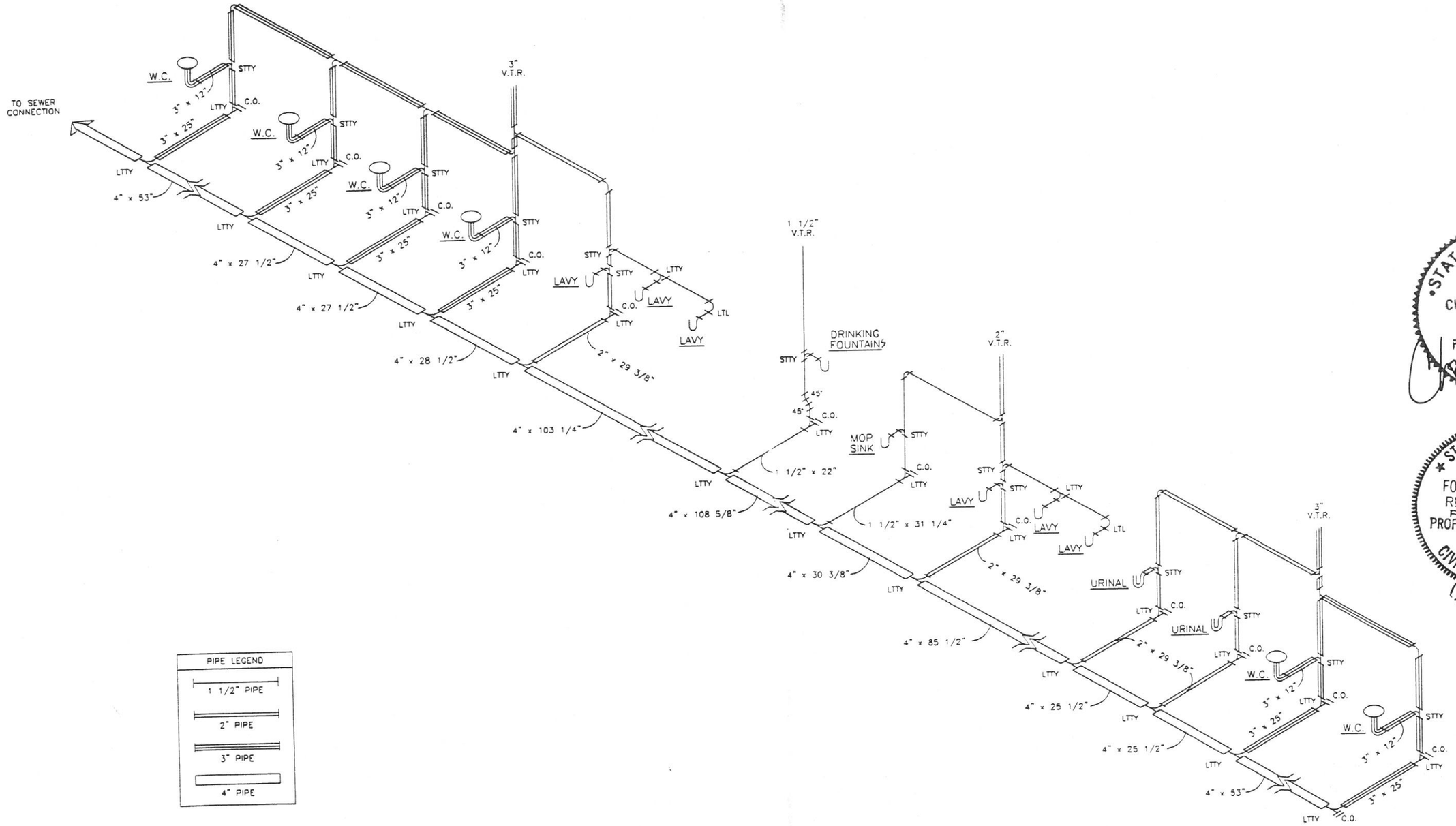
STATE OF LOUISIANA
FOY B. GADBERRY
REG. No. 20722
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/3/99

LTR	REVISION	BY	DATE

DRAWN BY: B.S.	PROJECT: CLASSROOM BUILDING HIGHLAND BAPTIST CHRISTIAN SCHOOL NEW IBERIA, LA.	TITLE: WATER SYSTEM	DATE: 5/21/99
CHECKED BY:	SCALE: 3/8" = 1'-0"	DWG. NO. 5688HBCS	SHEET M-2

COMARK BUILDING SYSTEMS, INC.

18 OF 23



PIPE LEGEND

- 1 1/2" PIPE
- 2" PIPE
- 3" PIPE
- 4" PIPE

HITCH END

STATE OF LOUISIANA
CHARLES D. MOORE
REG. No. 24627
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
7/15/99

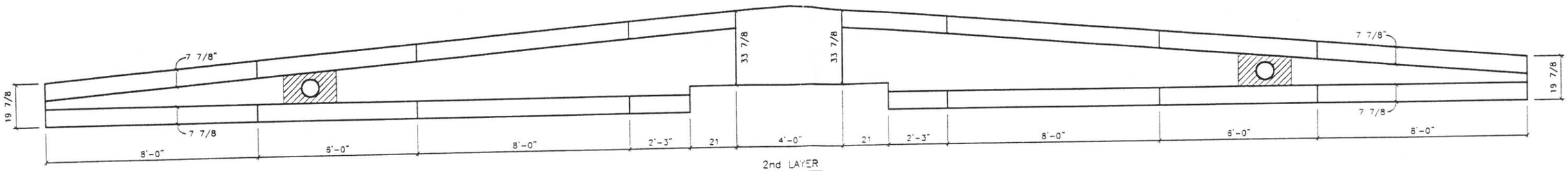
STATE OF LOUISIANA
FOY B. GADBERRY
REG. No. 20722
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/3/99

LTR	REVISION	BY	DATE

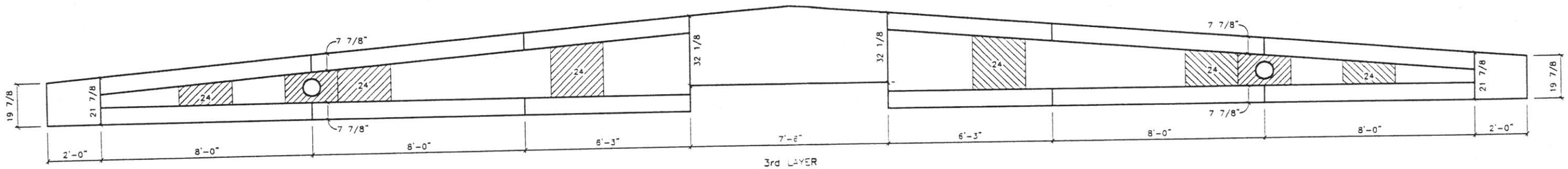
DRAWN BY: B.S.	PROJECT: CLASSROOM BUILDING HIGHLAND BAPTIST CHRISTIAN SCHOOL NEW IBERIA, LA.	TITLE: DRAIN SYSTEM	DATE: 5/21/99
CHECKED BY: G	SCALE: 3/8" = 1'-0"	DWG. NO. 5688HBCS	SHEET M-1

COMARK BUILDING SYSTEMS, INC.

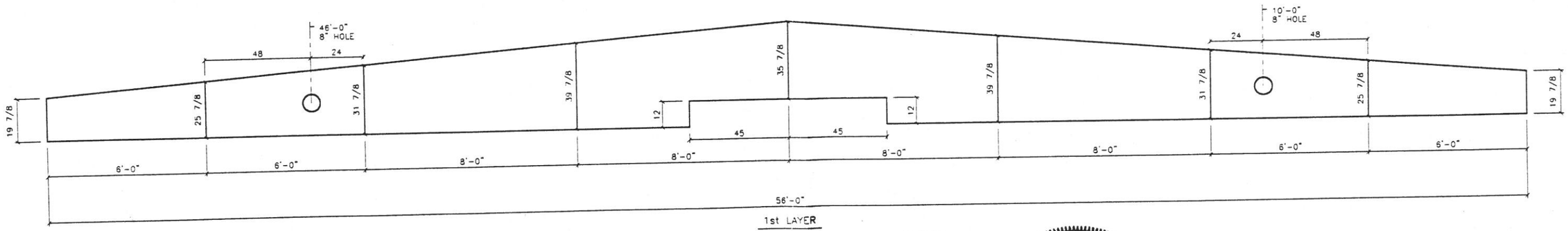
17 OF 23



2nd LAYER



3rd LAYER



1st LAYER

STATE OF LOUISIANA
CHARLES D. MOORE
REG. No. 24627
REGISTERED
PROFESSIONAL ENGINEER
IN
ENGINEERING
6/3/99

STATE OF LOUISIANA
FOY B. GADBERRY
REG. No. 20722
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/3/99

NOTES:

1. RIDGE BEAM CONSTRUCTION IS SAME FOR BOTH HALVES (MIRRORED)
2. RIDGE BEAM CONSTRUCTION SHALL BE IN ACCORDANCE WITH APA PLYWOOD DESIGN SPECIFICATION, SUPPLEMENT 5, AND SECTION 9 OF THE DESIGN MANUAL.
3. RIDGE BEAM IS CONSTRICTED WITH 3/4", 5-PLY, 5-LAYER GROUP 1 SPECIES PLYWOOD.

RECEIVED
6-2-99

DETAIL 16

LTR	REVISION	BY	DATE

DRAWN BY: B.S.
CHECKED BY: G

PROJECT: CLASSROOM BUILDING
HIGHLAND BAPTIST CHRISTIAN SCHOOL
NEW IBERIA, LA.

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

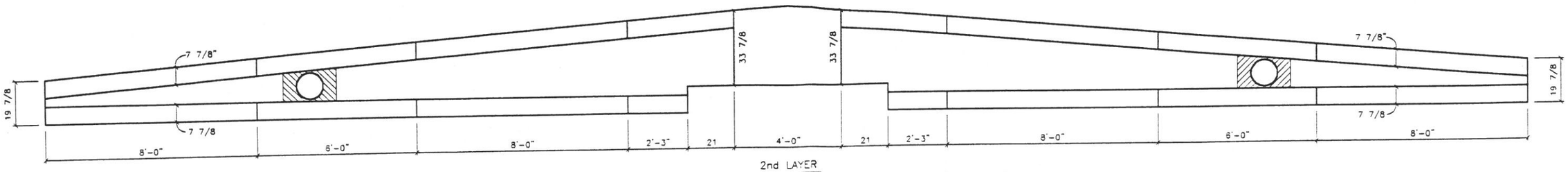
TITLE: RIDGE BEAM "C" CONSTRUCTION

DWG. NO. 5688HBCS

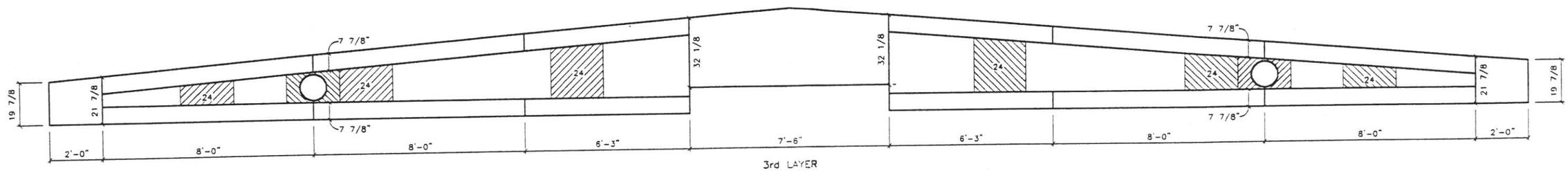
DATE: 5/21/99

SHEET S-6.2

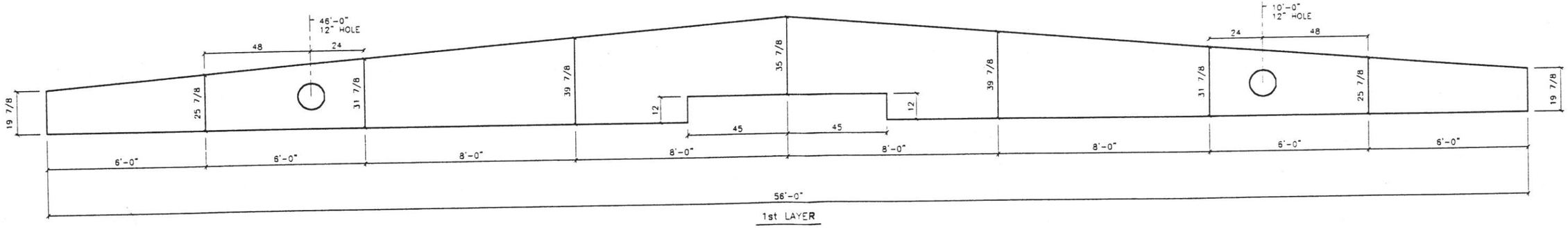
COMARK BUILDING SYSTEMS, INC.



2nd LAYER



3rd LAYER



1st LAYER

STATE OF LOUISIANA
FOY B. GADBERRY
REG. No. 20722
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

NOTES:

1. RIDGE BEAM CONSTRUCTION IS SAME FOR BOTH HALVES (MIRRORED).
2. RIDGE BEAM CONSTRUCTION SHALL BE IN ACCORDANCE WITH APA PLYWOOD DESIGN SPECIFICATION, SUPPLEMENT 5, AND SECTION 9 OF THE DESIGN MANUAL.
3. RIDGE BEAM IS CONSTRICTED WITH 3/4", 5-PLY, 5-LAYER GROUP 1 SPECIES PLYWOOD.

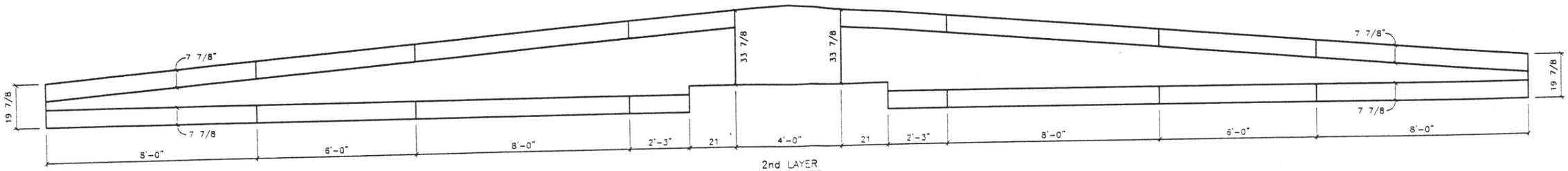
STATE OF LOUISIANA
CHARLES D. MOORE
REG. No. 24627
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

DETAIL 19

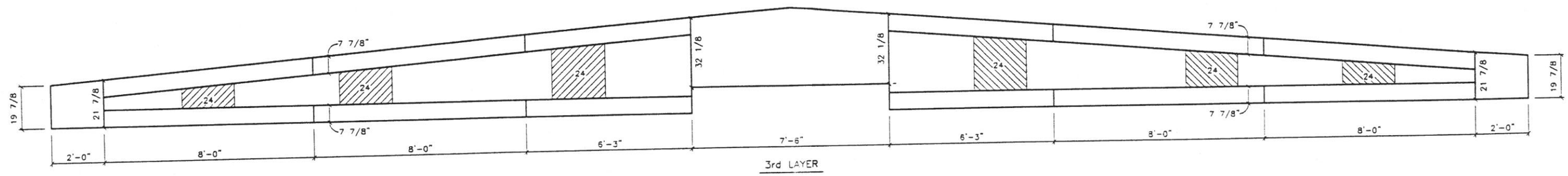
LTR	REVISION	BY	DATE

DRAWN BY: B.S.
CHECKED BY:
PROJECT: CLASSROOM BUILDING, HIGHLAND BAPTIST CHRISTIAN SCHOOL, NEW IBERIA, LA.
SCALE: 1/4" = 1'-0"
TITLE: RIDGE BEAM "B" CONSTRUCTION
DWG. NO. 5688HBCS
DATE: 5/21/99
SHEET 5-6.1

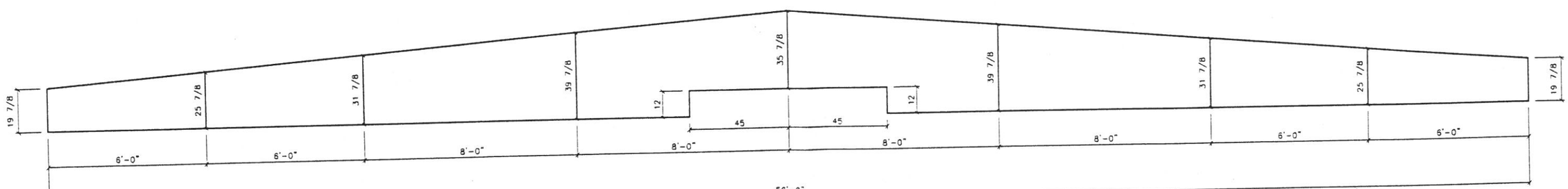
COMARK BUILDING SYSTEMS, INC.



2nd LAYER



3rd LAYER



1st LAYER

STATE OF LOUISIANA
FOY B. GADBERRY
REG. No. 20722
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/3/99

NOTES:

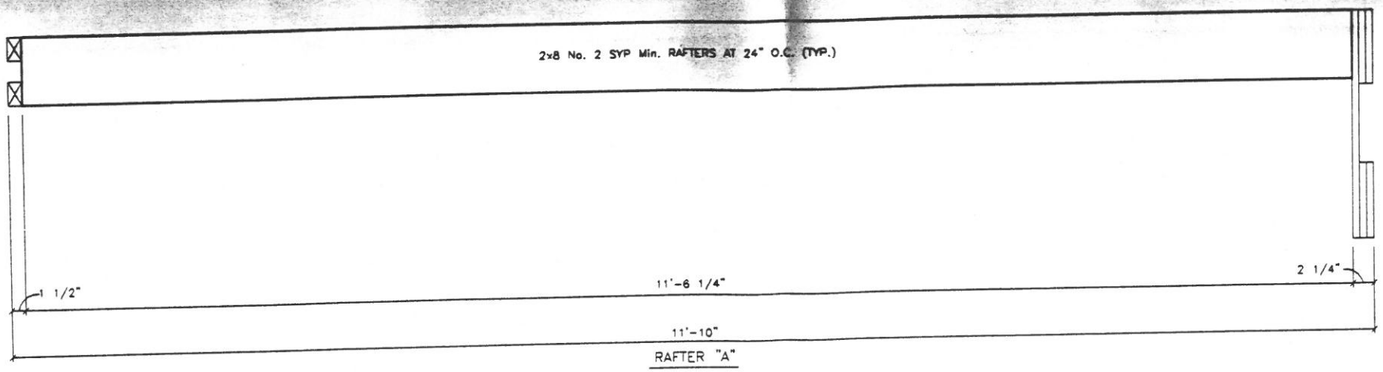
1. RIDGE BEAM CONSTRUCTION IS SAME FOR BOTH HALVES (MIRRORED).
2. RIDGE BEAM CONSTRUCTION SHALL BE IN ACCORDANCE WITH APA PLYWOOD DESIGN SPECIFICATION, SUPPLEMENT AND SECTION 9 OF THE DESIGN MANUAL.
3. RIDGE BEAM IS CONSTRICTED WITH 3/4", 5-PLY, 5-LAYER GROUP 1 SPECIES PLYWOOD.

STATE OF LOUISIANA
CHARLES D. MOORE
REG. No. 24621
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
7/5/99

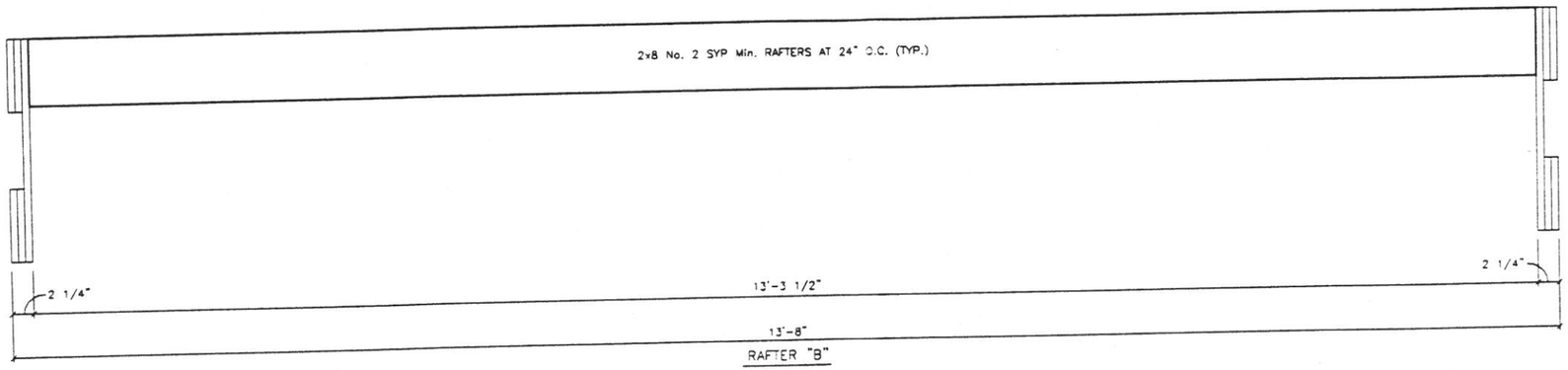
LTR	REVISION	BY	DATE

DRAWN BY: B.S.
CHECKED BY: G
PROJECT: CLASSROOM BUILDING, HIGHLAND BAPTIST CHRISTIAN SCHOOL, NEW IBERIA, LA.
SCALE: 1/4" = 1'-0"
TITLE: RIDGE BEAM "A" CONSTRUCTION
DWG. NO. 5688HBCS
DATE: 5/21/99
SHEET S-6

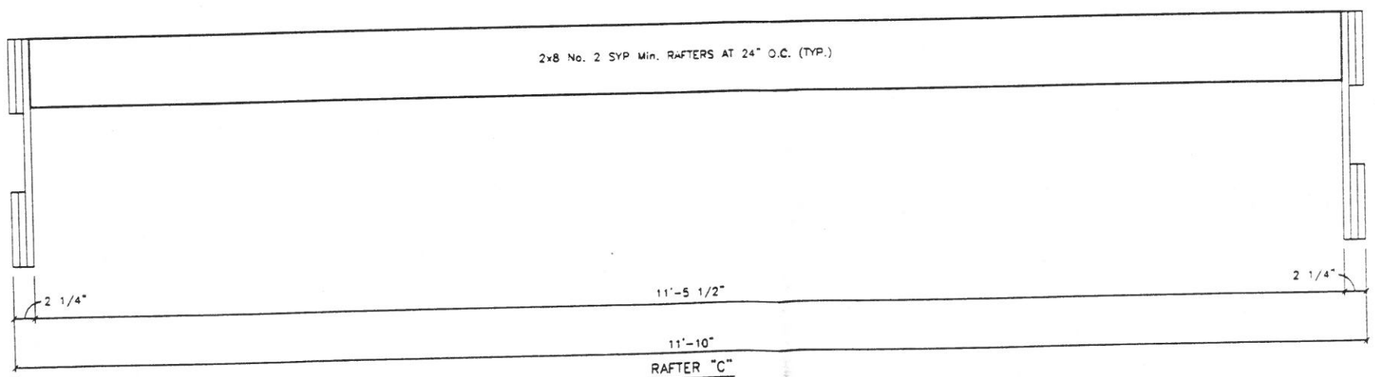
COMARK BUILDING SYSTEMS, INC.



RAFTER "A"



RAFTER "B"



RAFTER "C"

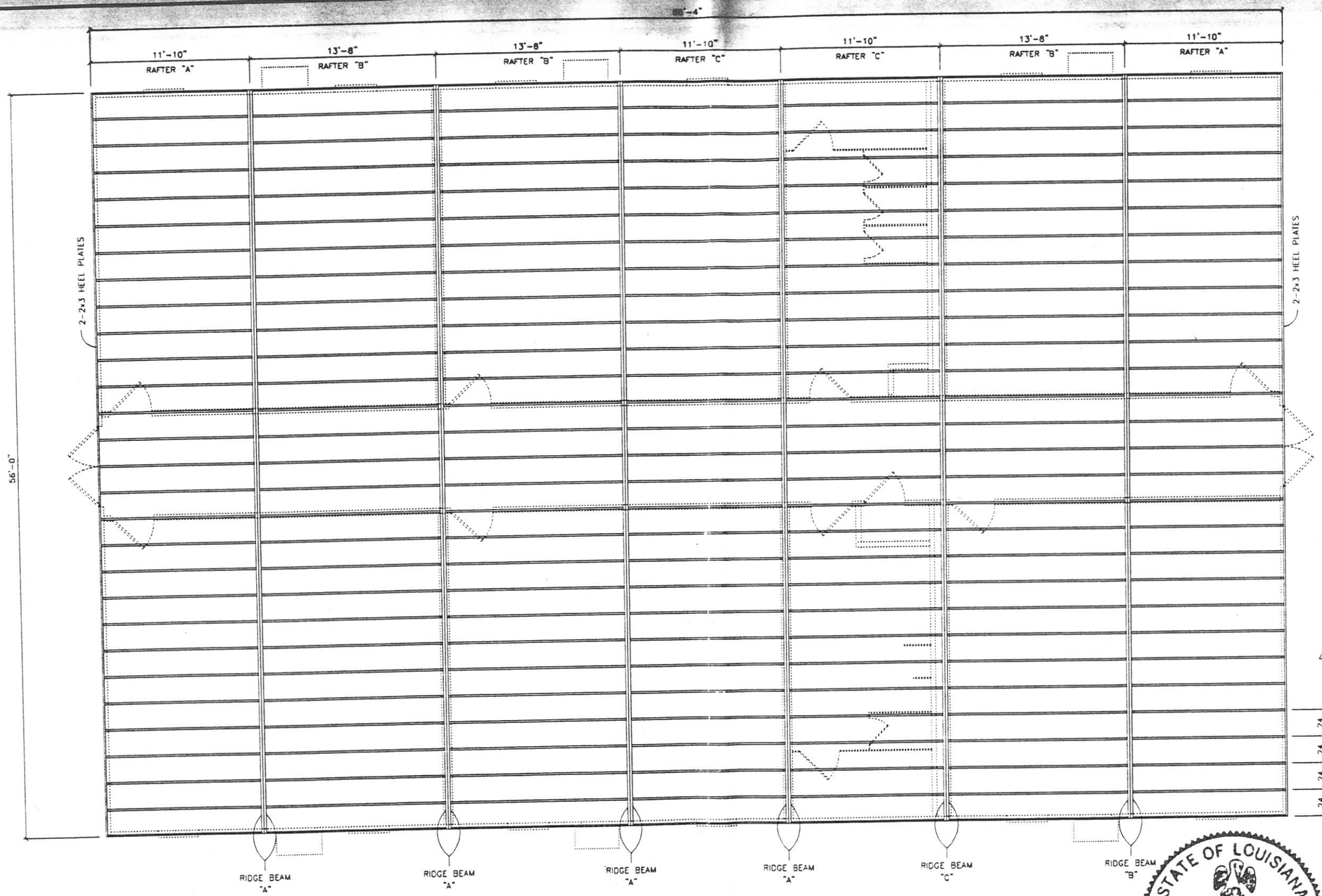
STATE OF LOUISIANA
CHARLES D. MOORE
REG. No. 24697
REGISTERED
PROFESSIONAL ENGINEER
IN
ENGINEERING
7/15/99

STATE OF LOUISIANA
FOY B. GADBERRY
REG. No. 20722
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/3/99

"±TR	REVISION	BY	DATE

DRAWN BY: B.S.	PROJECT: CLASSROOM BUILDING HIGHLAND BAPTIST CHRISTIAN SCHOOL NEW IBERIA, LA.	TITLE: RAFTER DETAILS	DATE: 5/21/99
CHECKED BY: CA	SCALE: 3/4" = 1'-0"	DWG. NO. 5688HBCS	SHEET S-5

COMARK BUILDING SYSTEMS, INC.



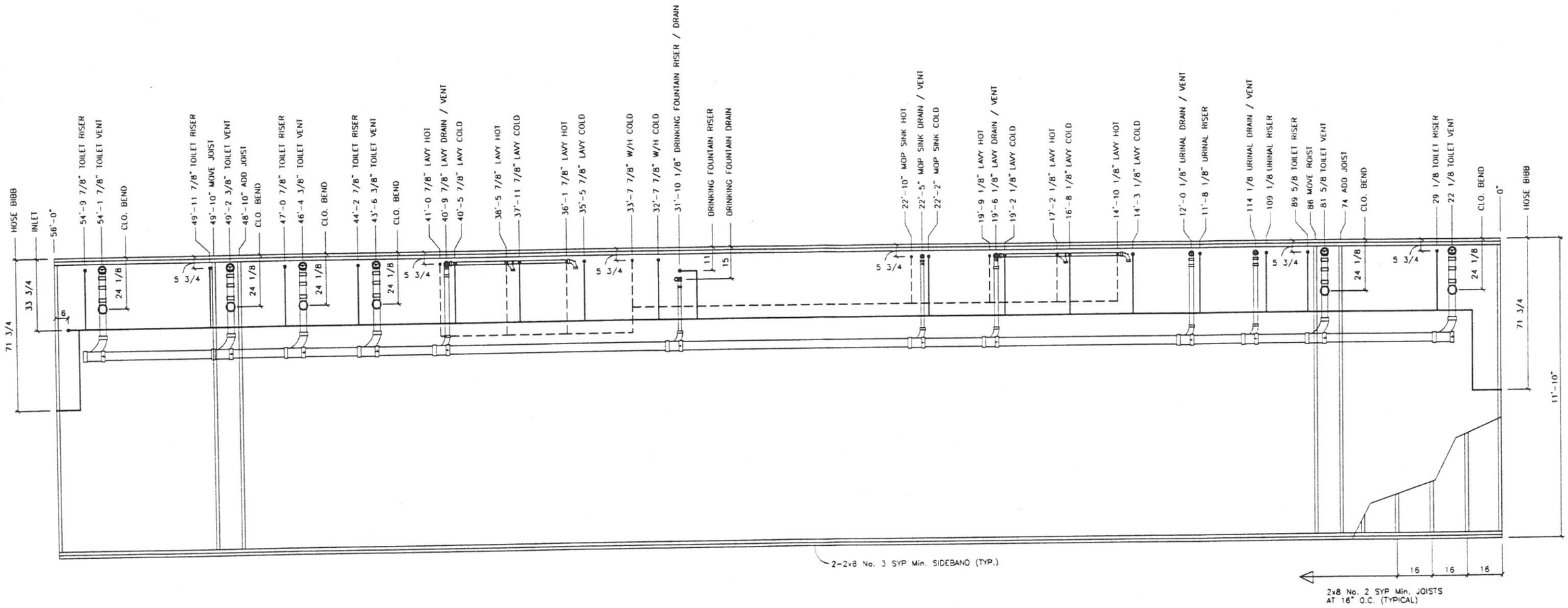
STATE OF LOUISIANA
CHARLES D. MOORE
REG. No. 21627
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING
7/15/99

STATE OF LOUISIANA
FOY B. GADBERRY
REG. No. 20722
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING
6/3/99

LTR	REVISION	BY	DATE

DRAWN BY: B.S.
CHECKED BY: G
PROJECT: CLASSROOM BUILDING, HIGHLAND BAPTIST CHRISTIAN SCHOOL, NEW IBERIA, LA.
SCALE: 1/8" = 1'-0"
TITLE: ROOF FRAMING LAYOUT
DWG. NO. 5688HBCS
DATE: 5/21/99
SHEET S-4

COMARK BUILDING SYSTEMS, INC.



DETAIL 6

LTR	REVISION	BY	DATE

DRAWN BY: B.S.

CHECKED BY: G

PROJECT: CLASSROOM BUILDING
HIGHLAND BAPTIST CHRISTIAN SCHOOL
NEW IBERIA, LA.

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

TITLE: FLOOR FRAMING DETAIL

DWG. NO. 5688HBCS

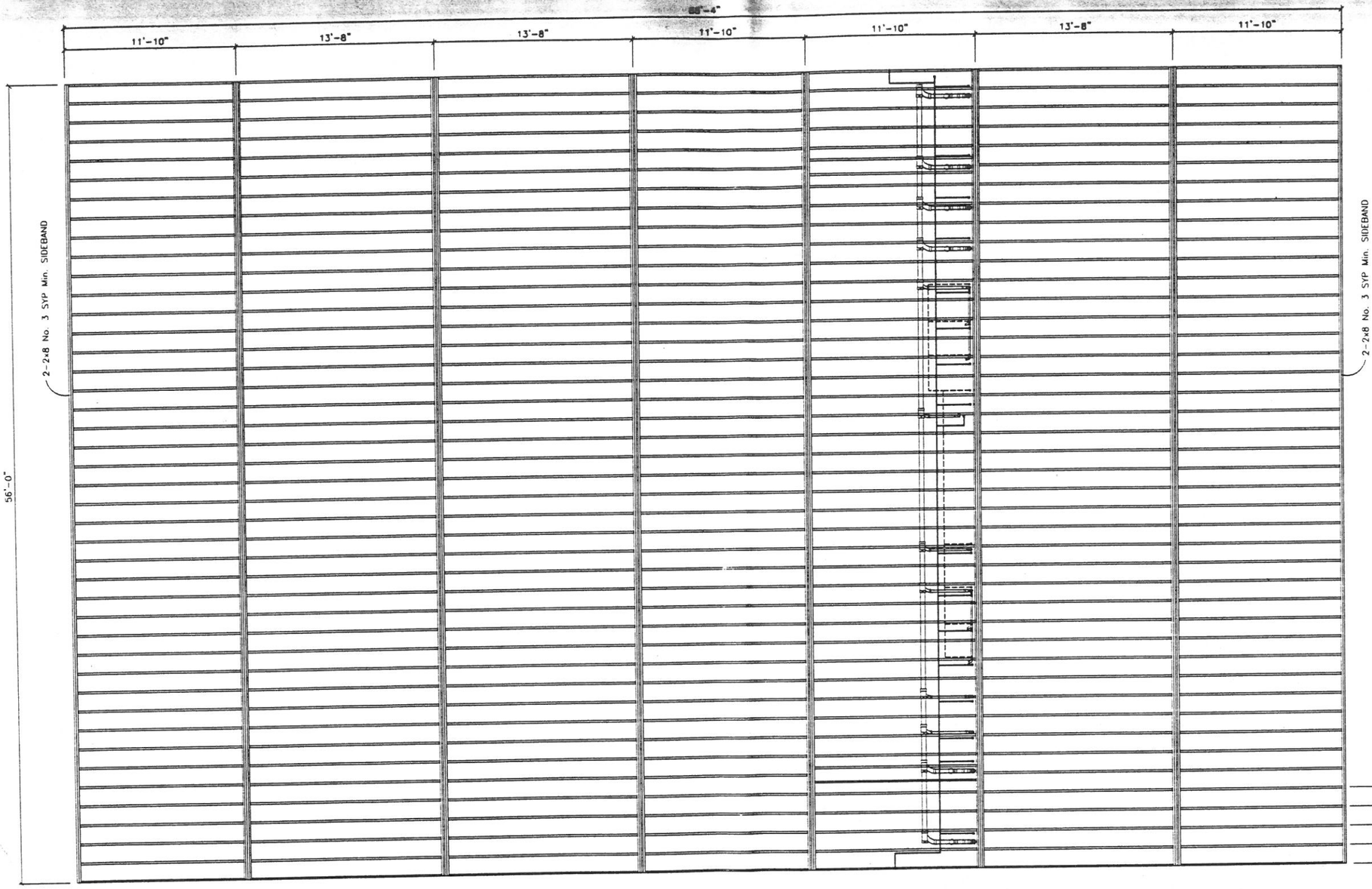
DATE: 5/21/99

SHEET X5-3.1

COMARK BUILDING SYSTEMS, INC.

STATE OF LOUISIANA
CHARLES D. MOORE
REG. No 24627
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
7/15/99

STATE OF LOUISIANA
FOY B. GADBERRY
REG. No. 20722
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/3/99



STATE OF LOUISIANA
CHARLES D. MOORE
REG. No. 24627
REGISTERED
PROFESSIONAL ENGINEER
IN
ENGINEERING
7/15/99

STATE OF LOUISIANA
FOY B. GADBERRY
REG. No. 20722
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/3/99

LTR	REVISION	BY	DATE

DRAWN BY: B.S.
CHECKED BY: G

PROJECT: CLASSROOM BUILDING
HIGHLAND BAPTIST CHRISTIAN SCHOOL
NEW IBERIA, LA.

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

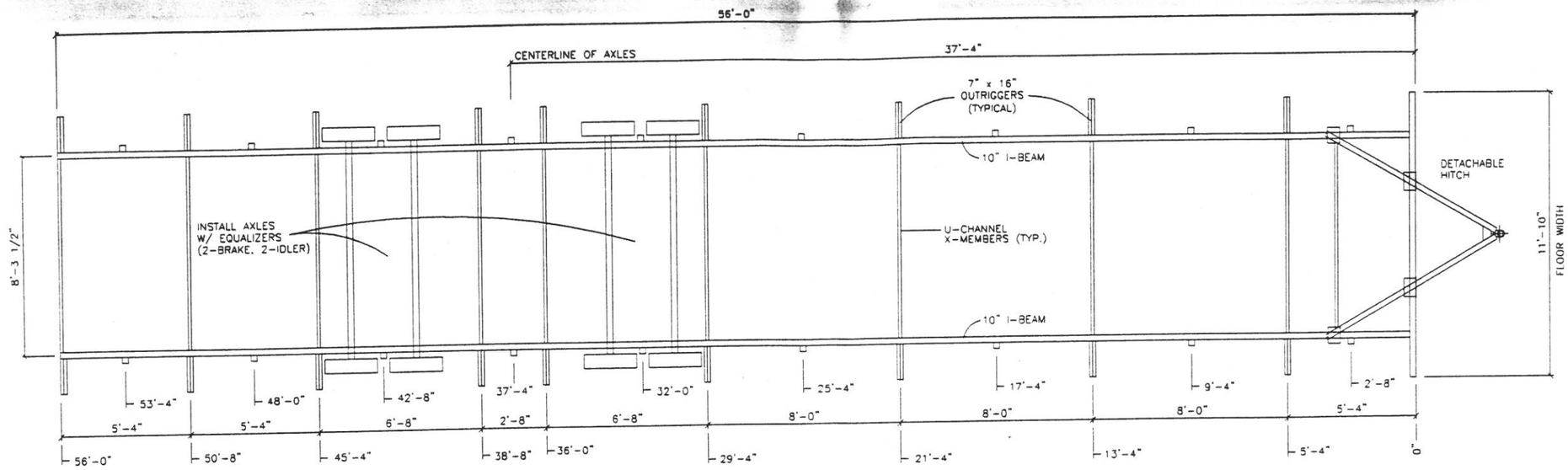
TITLE: OVERALL FLOOR FRAMING LAYOUT

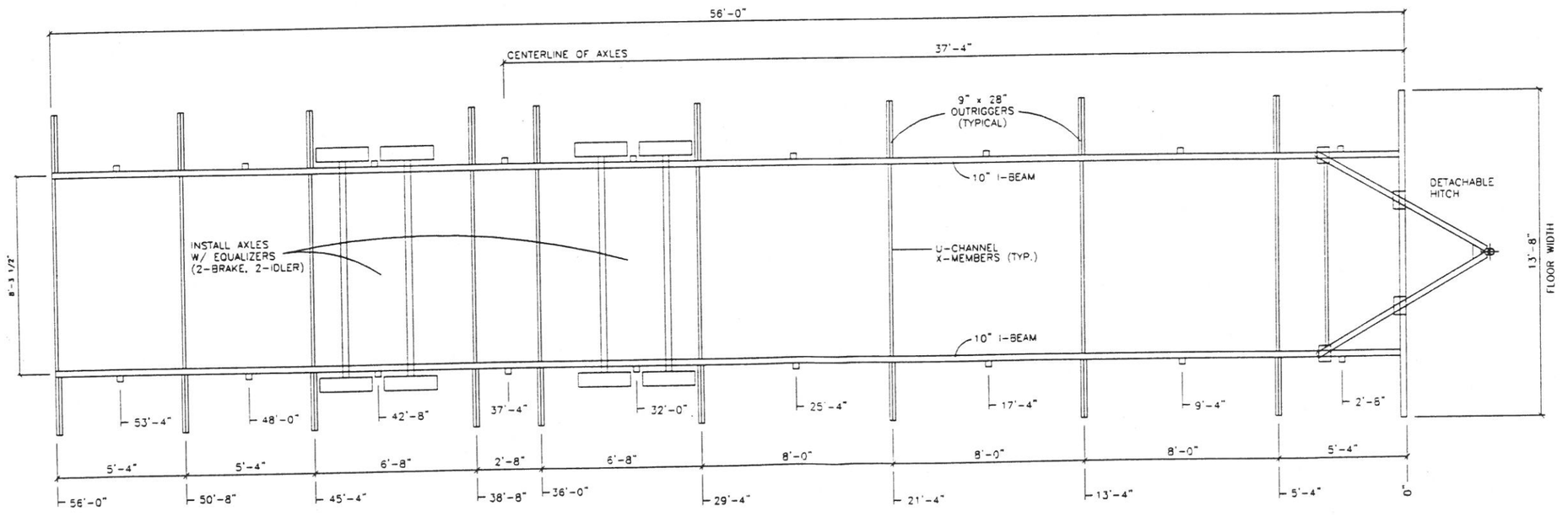
DWG. NO. 5688HBCS

DATE: 5/21/99

SHEET S-3

COMARK BUILDING SYSTEMS, INC.





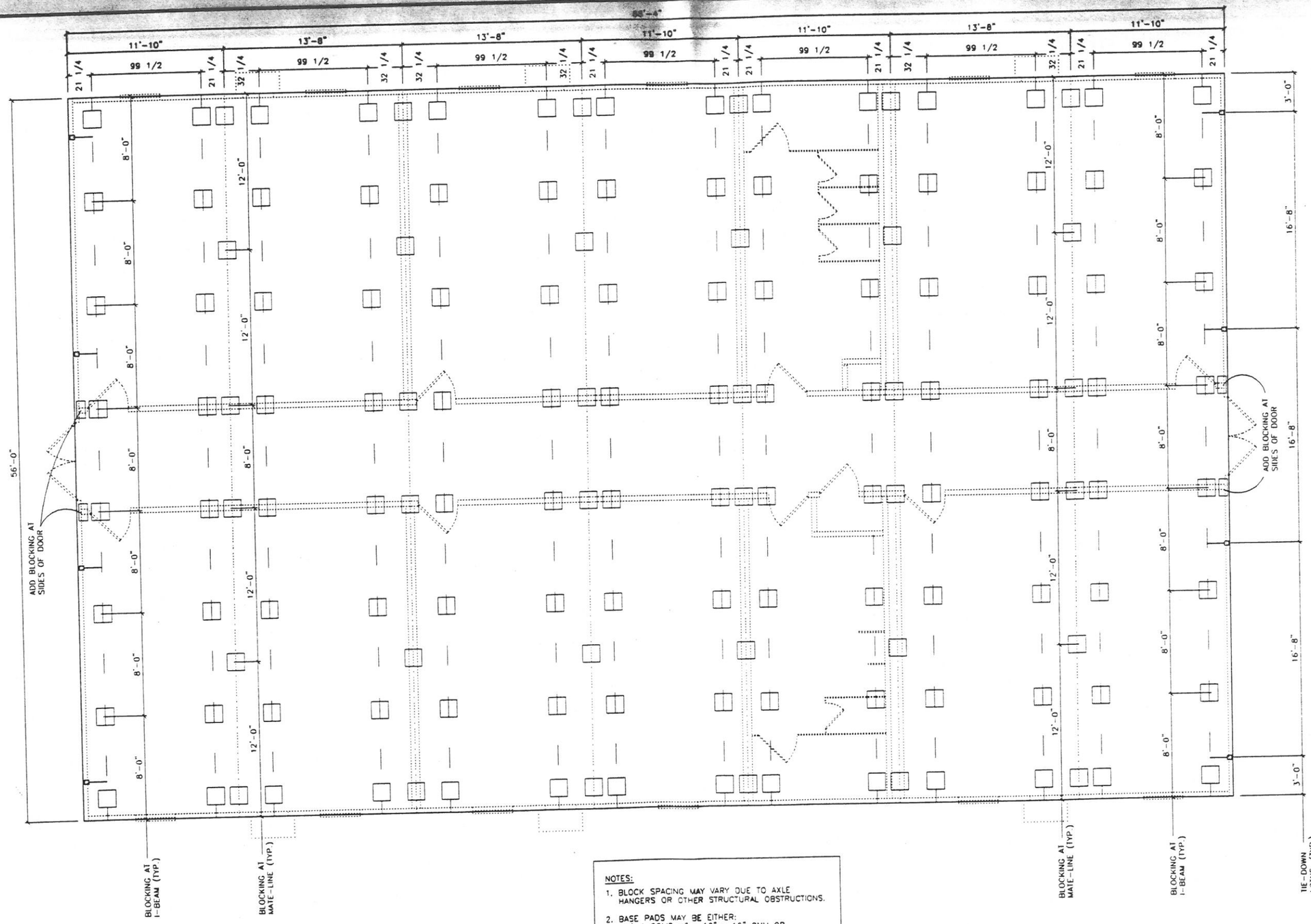
STATE OF LOUISIANA
CHARLES D. MOORE
REG. No. 24627
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
7/5/99

STATE OF LOUISIANA
FOY B. GADBERRY
REG. No. 20722
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/3/99

LTR	REVISION	BY	DATE

DRAWN BY: B.S.	PROJECT: CLASSROOM BUILDING HIGHLAND BAPTIST CHRISTIAN SCHOOL NEW IBERIA, LA.	TITLE: CHASSIS LAYOUT	DATE: 5/19/99
CHECKED BY: CA	SCALE: 3/16" = 1'-0"	DWG. NO.	SHEET S-2

COMARK BUILDING SYSTEMS, INC.



NOTES:

1. BLOCK SPACING MAY VARY DUE TO AXLE HANGERS OR OTHER STRUCTURAL OBSTRUCTIONS.
2. BASE PADS MAY BE EITHER:
   A) 1 SOLID 4" x 16" x 16" CMU OR
   B) 2 SOLID 4" x 8" x 16" CMUS.

STATE OF LOUISIANA
CHARLES D. MOORE
REG. No. 24627
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
7/15/99

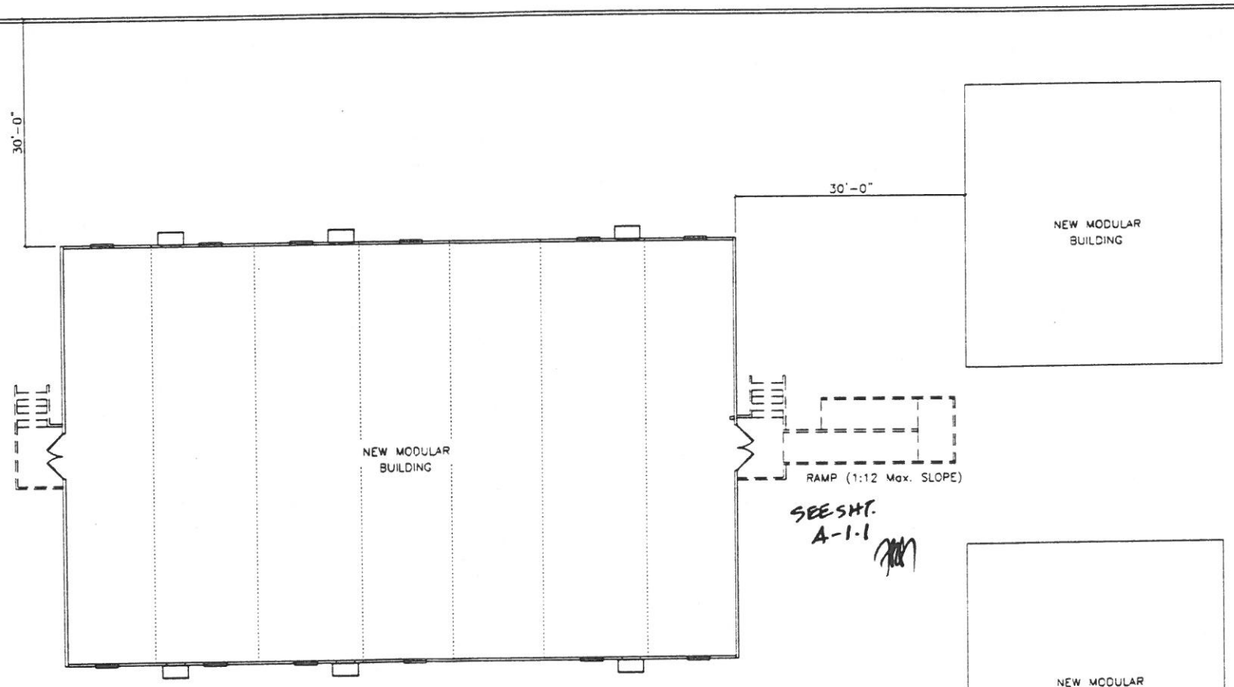
STATE OF LOUISIANA
FOY B. GADBERRY
REG. No. 20722
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/3/99

LTR	REVISION	BY	DATE

DRAWN BY: B.S.
CHECKED BY: CA
PROJECT: CLASSROOM BUILDING, HIGHLAND BAPTIST CHRISTIAN SCHOOL, NEW IBERIA, LA.
SCALE: 1/8" = 1'-0"
TITLE: BLOCKING & TIE-DOWN
DWG. NO. 5688HBCS
DATE: 5/21/99
SHEET S-1

COMARK BUILDING SYSTEMS, INC.

ANGERS ST.



STATE OF LOUISIANA
CHARLES D. MOORE
REG. No. 24627
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
7/15/99

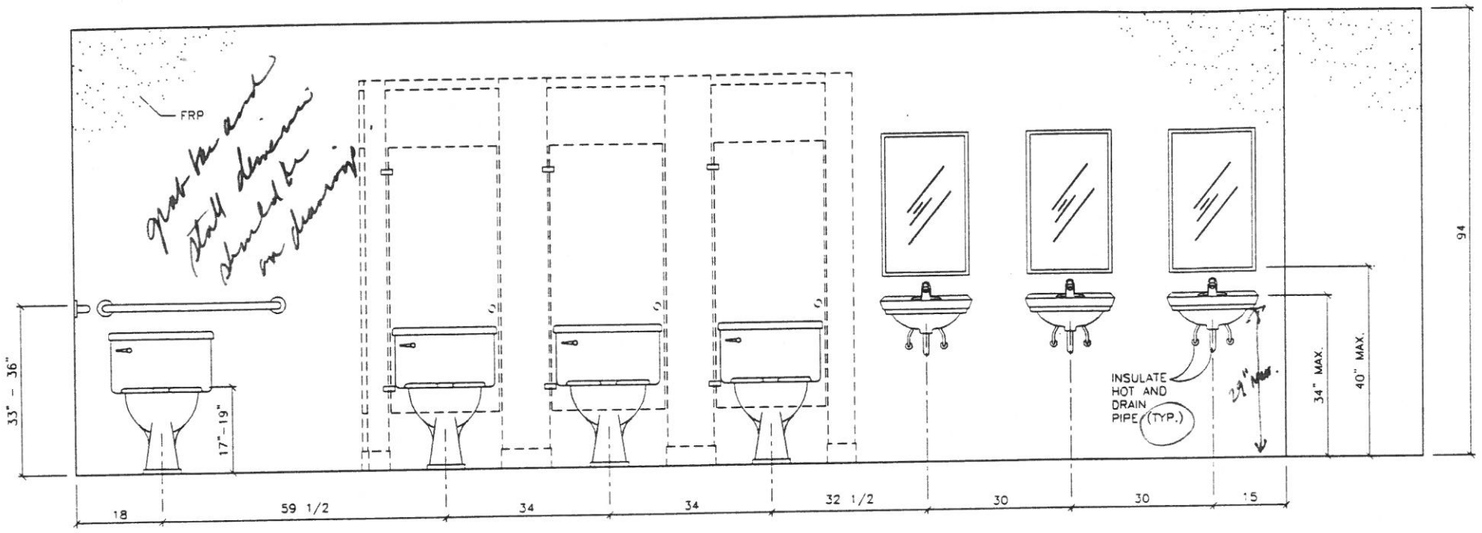
STATE OF LOUISIANA
FOY B. GADBERRY
REG. No. 20722
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/3/99

DETAIL 17

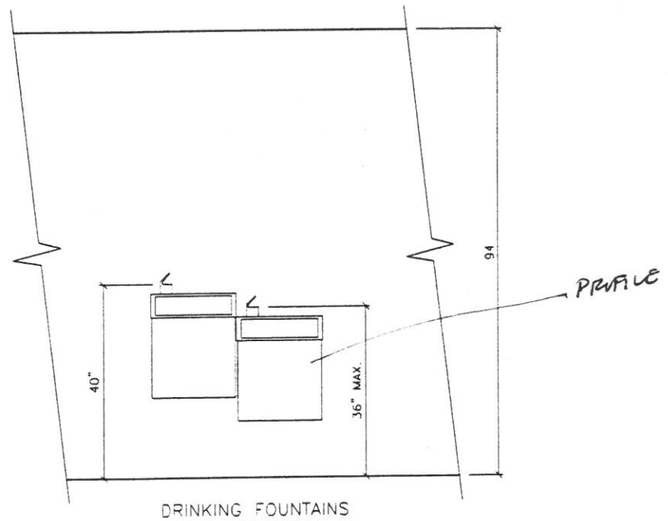
LTR	REVISION	BY	DATE

DRAWN BY: B.S.
CHECKED BY: G
PROJECT: CLASSROOM BUILDING, HIGHLAND BAPTIST CHRISTIAN SCHOOL, NEW IBERIA, LA.
SCALE: 1" = 20'-0"
TITLE: SITE PLAN
DWG. NO. 5688HBCS
DATE: 5/21/99
SHEET A-6

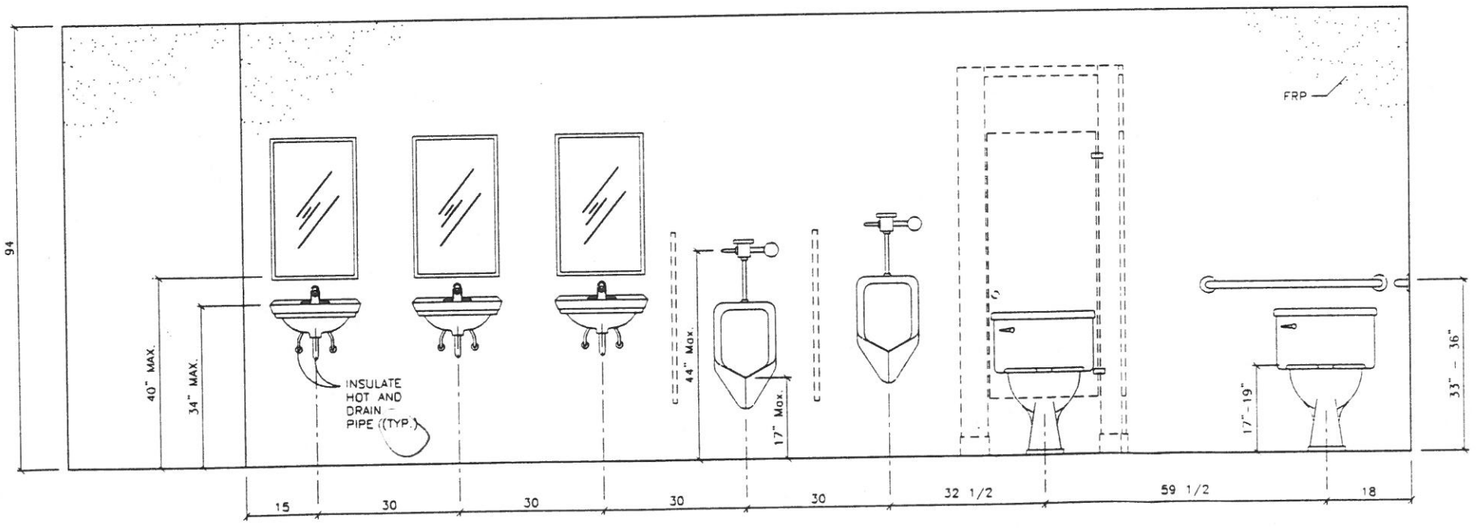
COMARK BUILDING SYSTEMS, INC.



GIRL'S RESTROOM



DRINKING FOUNTAINS



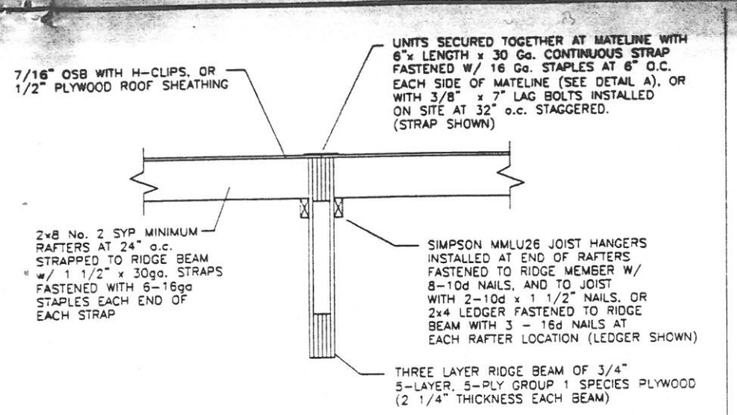
BOY'S RESTROOM

STATE OF LOUISIANA
CHARLES D. MOORE
REG. No. 24627
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
7/5/99

STATE OF LOUISIANA
FOY B. GADBERRY
REG. No. 20722
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/3/99

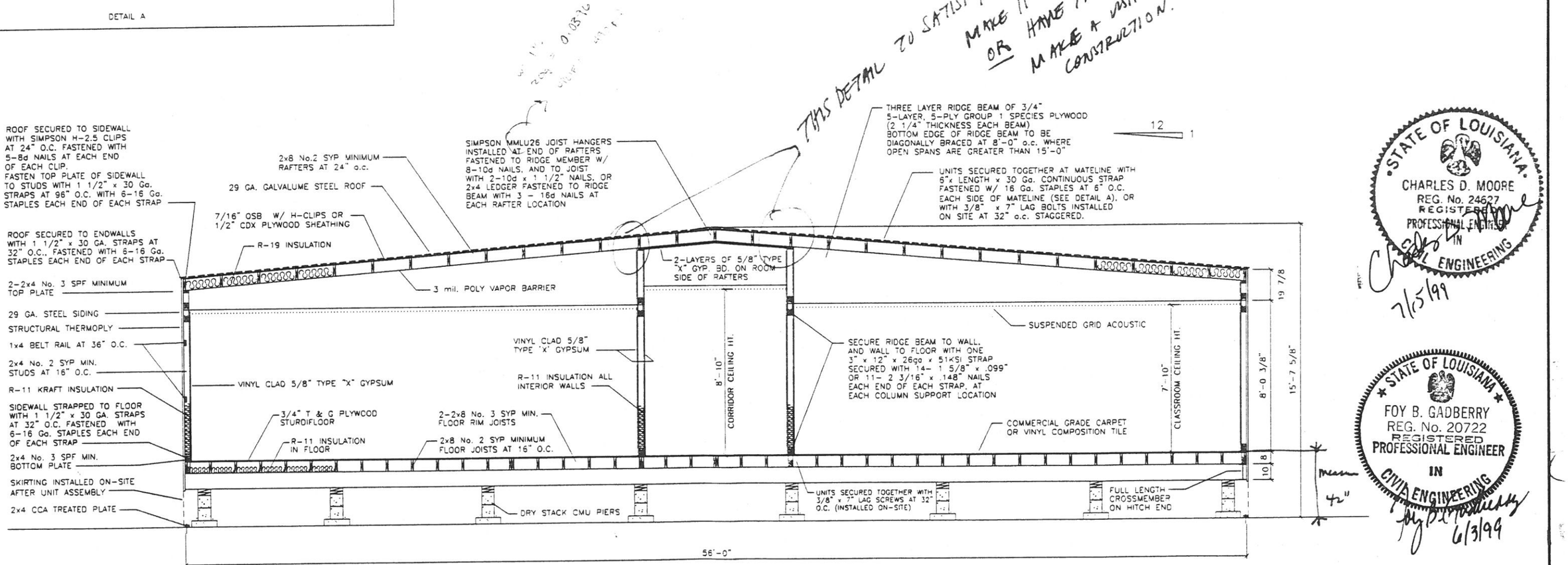
LTR	REVISION	BY	DATE

DRAWN BY: B.S.	PROJECT: CLASSROOM BUILDING HIGHLAND BAPTIST CHRISTIAN SCHOOL NEW IBERIA, LA.	TITLE: INTERIOR ELEVATIONS	DATE: 5/21/99	COMARK BUILDING SYSTEMS, INC.
CHECKED BY: G	SCALE: 3/8" = 1'-0"	DWG. NO. 5688HBCS	SHEET A-5	



DETAIL A

THIS DETAIL TO SATISFY NFPA 101, 6-2.2.2
MAKE IT ACCESSIBLE TO INSPECTOR
OR HAVE THE INSPECTOR
MAKE A VISIT DURING
CONSTRUCTION.



TRANSPORTATION HEIGHT: 15'-4"
PRODUCTION HEIGHT: 14'-2"

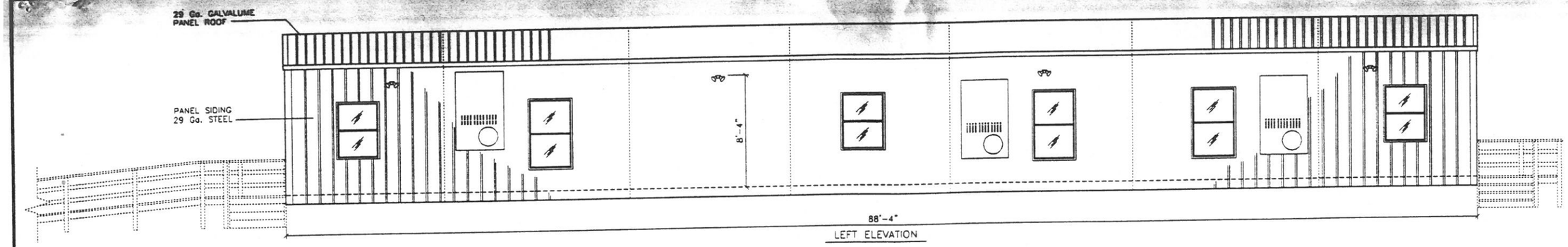
STATE OF LOUISIANA
CHARLES D. MOORE
REG. No. 24627
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
7/5/99

STATE OF LOUISIANA
FOY B. GADBERRY
REG. No. 20722
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/3/99

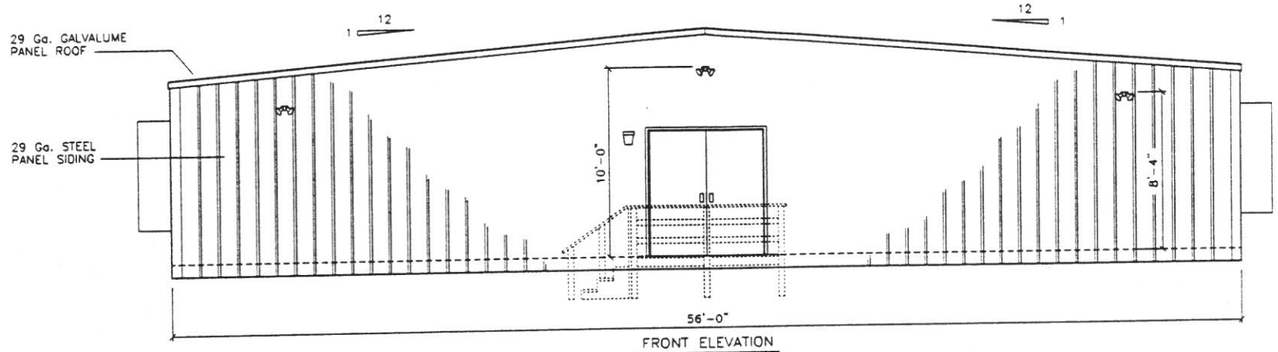
LTR	REVISION	BY	DATE

DRAWN BY: B.S.
CHECKED BY: G
PROJECT: CLASSROOM BUILDING, HIGHLAND BAPTIST CHRISTIAN SCHOOL, NEW IBERIA, LA.
SCALE: 3/16" = 1'-0"
TITLE: CROSS-SECTION
DWG. NO. 5688HBCS
DATE: 5/21/99
SHEET A-4

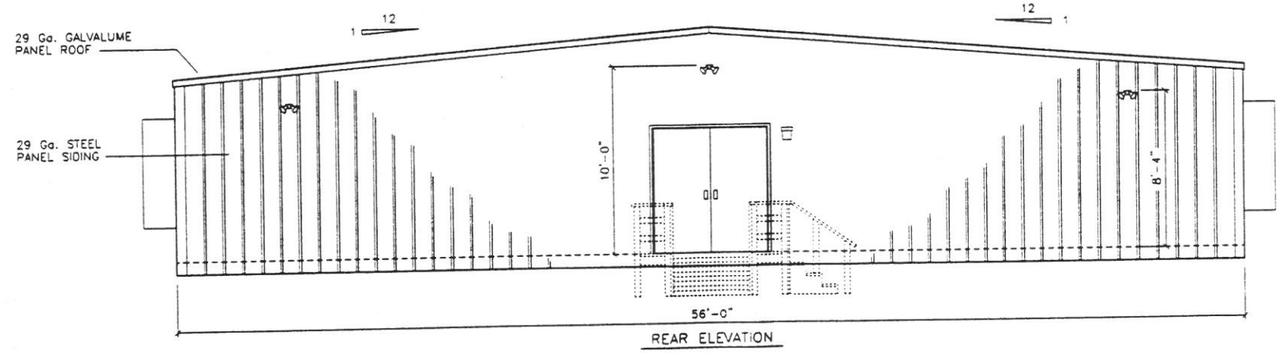
COMARK BUILDING SYSTEMS, INC.



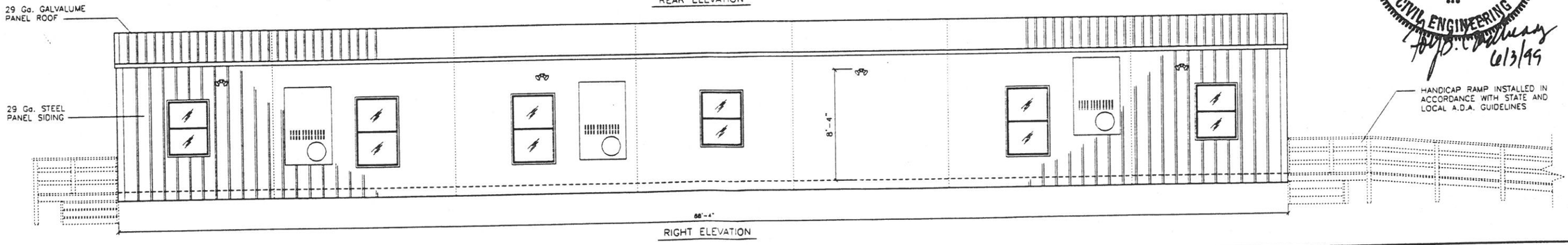
LEFT ELEVATION



FRONT ELEVATION



REAR ELEVATION



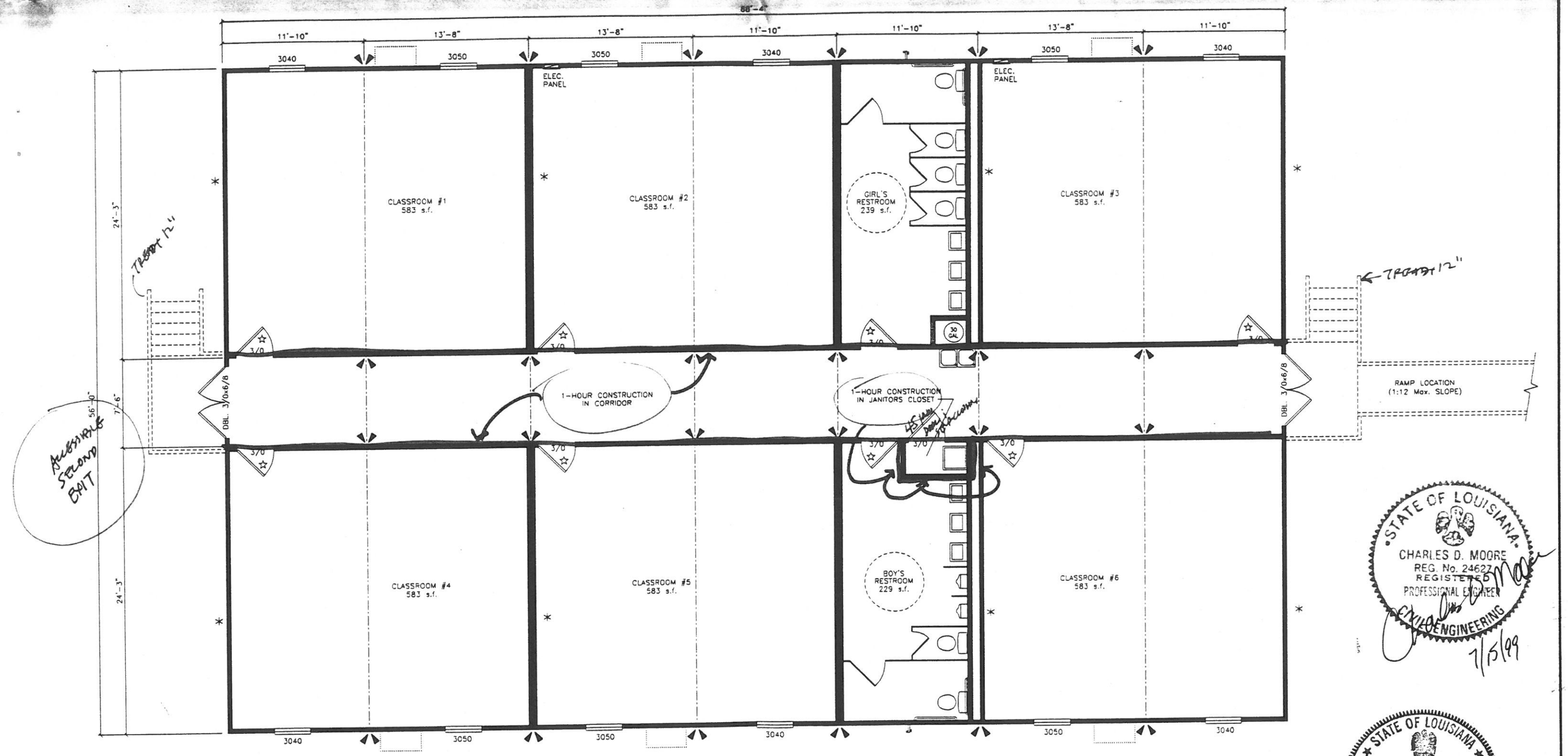
RIGHT ELEVATION

STATE OF LOUISIANA
CHARLES D. MOORE
REG. No. 24
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
7/6/99

STATE OF LOUISIANA
FOY B. GADBERRY
REG. No. 20722
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/13/99

LTR	REVISION	BY	DATE

DRAWN BY: B.S.	PROJECT: CLASSROOM BUILDING HIGHLAND BAPTIST CHRISTIAN SCHOOL NEW IBERIA, LA.	TITLE: EXTERIOR ELEVATION	DATE: 5/21/99	COMARK BUILDING SYSTEMS, INC.
CHECKED BY: G	SCALE: 1/8" = 1'-0"	DWG. NO. 5688HBCS	SHEET A-3	



DOOR SCHEDULE					
CALLOUT	NOMINAL SIZE	MATERIAL	HARDWARE	GLASS	NOTES
DBL. 3/0x6/8	6'-0" x 6'-8"	20ga. STEEL DOOR	PULL/PANIC	6" x 27"	KEYED ALIKE
3/0	3'-0" x 6'-8"	PRE-FINISHED SOLID CORE	LEVER/LEVER	6" x 27"	KEYED INDIVIDUALY

WINDOW SCHEDULE			
CALLOUT	NOMINAL SIZE	LIGHT	VENT
3040	36" x 48"	10.51	5.25
3050	36" x 60"	13.34	6.67
BRONZE FINISH WITH CLEAR SINGLE GLAZE			

☆ – DENOTES 20 Min. DOOR REQUIRED ; SELF CLOSING

✱ – DENOTES SHEAR WALL LOCATION

► – DENOTES 3-EA. 2x4's AND 1-EA. 3" WIDE x 26ga. STRAP AT MATE-LINE FASTENED W/ 14 DUO-FAST #138 NAILS EACH END OF EACH STRAP, OR 11 DUO-FAST #25 NAILS EACH END OF EACH STRAP.

STATE OF LOUISIANA
CHARLES D. MOORE
REG. No. 24627
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
7/15/99

STATE OF LOUISIANA
FOY B. GADBERRY
REG. No. 20722
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/3/99

LTR	REVISION	BY	DATE

DRAWN BY: B.S.

CHECKED BY:

PROJECT: CLASSROOM BUILDING
HIGHLAND BAPTIST CHRISTIAN SCHOOL
NEW IBERIA, LA.

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

TITLE: FLOOR PLAN

DWG. NO. 5688HBCS

DATE: 5/21/99

SHEET A-2

COMARK BUILDING SYSTEMS, INC.

1. LRS 40:1731. Provide handicapped accessibility in accordance with ANSI A117.1–1980, in particular:

   A. Parking, 4.6

      Section 4.6.4 Signage shall not be obscured by vehicle.

      LRS 40:1745. Persons in wheelchairs shall not be required to pass behind parked vehicles.

   B. Curb ramps, 4.7

Items 1(A) and 1(B) are responsibility of ***OWNER***

2. LAC 55:305 Insulation and insulation assemblies shall meet the requirements of Section 708, Standard Building Code (SBC).

   A. Concealed insulation shall have a flame spread of 0–75 and a smoke developed of 0–450 except that in combustible (wood frame) construction facing may comply with SBC 708.2.1

3. 101:10–1.6. Type of construction shall be VI (UNP).

Construction complies with L.S. construction Type V (000)

4. 101:5–2.1.3. Floor surfaces on both sides of exterior doors shall not vary more than 1/2" for a distance at least equal to the widest door leaf. Floor changes and thresholds more than 1/4" in height shall be bevelled with a slope not greater than 1:2

Landings constructed on site are responsibility of ***MFG.***

5. 101:5–2.1.5.1 Locks on doors in means of egress shall not require the use of a key, special device or special knowledge to open in the direction of egress.

6. 101:5–2.2.2.1 Stairs shall conform to the Table for New Stairs. Treads shall be 11" min., risers shall be 7" max.

7. 91:5–2.2.4.2 Stairs shall have handrails on both sides.

8. 101:5–2.2.4.5 Handrails shall be no lower than 34 inches nor higher than 38 inches above the leading edge of the tread surface.

9. 101:5–2.2.4.6 (c). Railing openings shall not exceed 4".

10. 101:5–2.2.4.1 Means of egress such as stairs, landings and ramps that are more than 30" above the floor or grade below shall be provided with guards to prevent falls over the open side.

11. 101:5–2.2.4.6. Guard rails shall be at least 42" high.

Stairs, ramps and landings constructed on–site are the responsibility of ***MANUFACTURER***

12. 101:10–3.3. Interior walls and ceilings shall have a Class A rating in corridors, lobbies, and stairways, and a Class A or B rating in all other occupied areas. Class A finish : Flame spread of 0–25 and smoke smoke developed of 0–450. Class B finish : Flame spread of 0–75 and smoke developed of 0–450.

13. 101:10–3.4.1 Provide a manual fire alarm system in accordance with 101:7–6. (In facilities that are required to be made accessible to the physically handicapped, alarm notification to the occupants shall be by both audible and visual means.)

(Fire alarm system application to be submitted separately)
(Fire alarm system to be installed by others)

14. LAC 55:303D. Provide hand–operated fire extinguishers in accordance with NFPA 10.

Hand–operated fire extinguishers to be provided by ***OWNER***

15. 101:7–1.2. Electrical work shall comply with NFPA 70 (1999). National Electrical Code.

16. HVAC system shall be constructed in accordance with 101:7–2.

STATE OF LOUISIANA
CHARLES D MOORE
REG. No. 24627
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/23/99

STATE OF LOUISIANA
FOY B. GADBERRY
REG. No. 20722
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/3/99

DETAIL 7

LTR	REVISION	BY	DATE

DRAWN BY: B.S.
CHECKED BY:
PROJECT: CLASSROOM BUILDING HIGHLAND BAPTIST CHRISTIAN SCHOOL NEW IBERIA, LA.
SCALE: 3/16" = 1'–0"
TITLE: SPECIFICATIONS / REGULATIONS
DWG. NO. 5688HBCS
DATE: 5/21/99
SHEET A–1.1

COMARK BUILDING SYSTEMS, INC.

DESIGN CRITERIA:

CODES:	1994 SBC
	1994 SPC
	1994 SMC
	1997 NFPA 101 (LIFE SAFETY CODE)
	1996 NEC
OCCUPANCY CLASSIFICATION:	GROUP E
CONSTRUCTION TYPE:	VI-UNP
APPLIANCE FUEL TYPE:	NONE

DESIGN LOADS:

ROOF LIVE LOAD	20 PSF
CLASSROOM FLOOR LIVE LOAD	40 PSF
CORRIDOR FLOOR LIVE LOAD	80 PSF
CONC. FLOOR LIVE LOAD	1000 LBS
WIND LOAD	100 MPH / 20.4 P.S.F.
SEISMIC ZONE	0
EXPOSURE	COASTAL

SPECIAL CONDITIONS AND/OR LIMITATIONS:

HANDICAP ACCESS RAMP TO BE CONSTRUCTED ON SITE IN COMPLIANCE WITH STATE AND LOCAL A.D.A. GUIDELINES

NOTE: BUILDING IS TO BE LOCATED MINIMUM 10'-0" FROM PROPERTY LINES OR ASSUMED PROPERTY LINES

CHASSIS:

MAIN MBRS:	10" I-BEAM. A-36 ROLLED OR WELDED
OUTRIGGERS:	
11'-10" FLOOR:	7" X 16" X 14 GA. STEEL AT 8'-0" O.C.
13'-8" FLOOR:	9" X 28" X 14 GA. STEEL AT 8'-0" O.C.
CROSSMEMBERS:	1 1/2" X 3" X 14 GA. AT 8'-0" O.C.
FRT. CROSSMBR:	10" I-BEAM
HITCH / COUPLER:	VENTURE OR EQUIV. 30,000 # RATED
AXLES:	PHILLIPS DEXTER OR EQUIV.
TIRES:	7:14.5 - 8 PLY = 2805# OR BETTER
PAINT:	ZINC CHROMATE OR ASPHALTIC BASE

FLOOR:

BOTTOM BARRIER:	WOVEN POLYETHYLENE SHEET
INSULATION:	R-11
BAND JOIST:	DBL. 2"x8" #3 SYP MIN.
JOISTS:	2"x8" #2 SYP MIN. AT 16" O.C.
DECKING:	WITH 3/4" T&G PLYWOOD
FLOOR COVERING:	12 x 12 TILE

EXTERIOR WALLS:

SIDEWALL HEIGHT:	96 3/8"
INSULATION:	R-11 KRAFT
SOLE PLATE:	2"x4" #3 SPF MIN.
TOP PLATES:	2"x4" #3 SPF MIN.
STUDS:	2"x4" No. 2 SYP MIN. AT 16" o.c.
INTERIOR FINISH:	VINYL CLAD 5/8" TYPE 'X' GYPSUM
EXTERIOR SHEATHING:	STRUCT. THERMOPLY SHEATHING OVER 1x4 BELT-RAIL AT 36" o.c.
RESTROOM FINISH:	FIBERGLASS REINFORCED PANEL OVER 5/8" GYPSUM

INTERIOR WALLS:

WALL HEIGHT:	1/12 (MIN.) VAULTED WALLS
INSULATION:	R-11
SOLE PLATE:	2"x4" #3 SPF MIN.
TOP PLATE:	2"x4" #3 SPF MIN.
STUDS:	2"x4" No. 2 SYP MIN. AT 16" o.c.
INTERIOR FINISH:	VINYL CLAD 5/8" TYPE 'X' GYPSUM
INTERIOR SHEATHING:	STRUCTURAL THERMOPLY SHEATHING APPLIED TO ONE SIDE OF INTERIOR SHEARWALLS
RESTROOM FINISH:	FIBERGLASS REINFORCED PANEL OVER 5/8" GYPSUM

ROOF:

ROOF PITCH:	1/12 (MIN.)
CEILING PITCH:	FLAT, SUSPENDED CEILING
ROOF TYPE:	2"x8" #2 SYP (Min.) RAFTERS AT 24"o.c.
EAVE SIZE:	0" (METAL O/H 2")
RAKE SIZE:	0"
INSULATION:	R-19
SHEATHING:	7/16" OSB WITH H-CLIPS OR 1/2" CDX PLYWOOD
COVERING:	29 Ga. GALVALUME PANELS
CEILING MTL:	ACOUSTIC GRID CEILING (2' x 4' TILES)
RIDGE BEAM:	3-LAYER FLANGED BEAM USING 3/4" GROUP 1 SPECIES PLYWOOD

EXTERIOR SIDING:

SIDING:	29 GA. STEEL (MIN.)
TRIM:	26 GA. STEEL (MIN.)
OTHER:	

EXTERIOR DOORS:

FRONT:	DBL. 36" x 80" x 20ga. STEEL DOORS EQUIPPED WITH CLOSER, PULL AND PANIC HARDWARE
REAR:	DBL. 36" x 80" x 20ga. STEEL DOORS EQUIPPED WITH CLOSER, PULL AND PANIC HARDWARE
OTHER:	THRESHOLD NOT TO EXCEED 1/2" IN HEIGHT AND IS TO BE BEVELED IF IN EXCESS OF 1/4"

WINDOWS:

WINDOW MTL.:	ALUMINUM W/ BRONZE FINISH
WINDOW TYPE:	36" x 60" SINGLE HUNG
	36" x 48" SINGLE HUNG
GLAZING:	SINGLE / CLEAR

ELECTRICAL:

MAIN RATING:	SEE LOAD CALCS W/ ELECTRICAL DRAWING
ELECTRICAL RATINGS:	1-PHASE, 3-WIRE, 120/240V AC
WIRING:	ELECTRICAL NON-METALLIC TUBING W/ MIN. #12 THHN GROUND

NOTE: THE METAL SIDING SHALL BE ELECTRICALLY BONDED BY CONTACT OR INTERCONNECTION OF UNITS AND SHALL BE EFFECTIVELY GROUNDED

NOTE: GROUNDING ON-SITE TO BE IN ACCORDANCE WITH NEC ARTICLE 250-81

HEATING / COOLING:

UNIT TYPE:	WALL MOUNTED UNITS
	4 EACH 3-TON COOLING / 10kw HEAT STRIPS
	2 EACH 3.5-TON COOLING / 10kw HEAT STRIPS
DUCT SYSTEM:	UL 181 CLASS 1 FLEXIBLE FIBERGLASS DUCT

HVAC UNITS EQUIPPED WITH BAROMETRIC FRESH AIR DAMPERS

DWV & WATER SYSTEM:

DRAIN, WASTE, AND VENT:	SCHEDULE 40 PVC
WATER SYSTEM:	CPVC
WATER HEATER:	1 EA. 30 Gal ELECTRIC (120v)

RESTROOMS:

WATER CLOSET:	VITREOUS CHINA TANK-TYPE WITH ELONGATED BOWL AND OPEN FRONT SEAT INSTALLED TO ADA HEIGHT REQUIREMENTS.
LAVATORY:	19" x 17" WALL MOUNTED VITREOUS CHINA LAVY. WITH 4" BRASS STEM CENTERSET, INSTALLED TO ADA HEIGHT REQUIREMENTS.
GRAB BARS:	1 SET 36" & 42", INSTALLED AT ADA HEIGHT AND PLACEMENT REQUIREMENTS.
SPECIAL:	EXPOSED HOT WATER LINE AND DRAIN LINE UNDER LAVY MUST BE INSULATED.

DRAWING INDEX:

23 SHEETS

STATE OF LOUISIANA
CHARLES D. MOORE
REG. No. 24627
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/23/99

P01 69363

STATE OF LOUISIANA
FOY B. GADBERRY
REG. No. 20722
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/3/99

LTR	REVISION	BY	DATE

DRAWN BY: B.S.
CHECKED BY: G
PROJECT: CLASSROOM BUILDING, HIGHLAND BAPTIST CHRISTIAN SCHOOL, NEW IBERIA, LA.
SCALE: 1/8" = 1'-0"
TITLE: COVER SHEET / SPECIFICATIONS
DWG. NO. 5688HBCS
DATE: 5/21/99
SHEET A-1

COMARK BUILDING SYSTEMS, INC.

SHEET 1 OF 23