



APPLICATION FOR VARIANCE

State Form 44400 (R5 / 10-10)
Approved by State Board of Accounts, 2008

INDIANA DEPARTMENT OF HOMELAND SECURITY
CODE SERVICES SECTION
402 West Washington Street, Room W246
Indianapolis, IN 46204-2739
http://www.in.gov/dhs/fire/ifp_bs_comm_code/



INSTRUCTION: Please refer to the attached four (4) page instructions.
Attach additional pages as needed to complete this application.

Variance number (Assigned by department)
15-02-01 (2)

1. APPLICANT INFORMATION (Person who would be in violation if variance is not granted; usually this is the owner)

Name of the applicant Michael R Hostetler	Title Michael R Hostetler
Name of organization Country Echoes School	Telephone number (574) 773-0653
Address (number and street, city, state, and ZIP code) 29138 CR144 Nappanee, IN 46550	

2. PERSON SUBMITTING APPLICATION ON BEHALF OF THE APPLICANT (If not submitted by the applicant)

Name of person on behalf of the applicant Jacob Beechey	Title Agent
Name of organization	Telephone number (574) 392-8779
Address (number and street, city, state, and ZIP code) 8611 W 750 N Ellettsville, IN 46524	

3. DESIGN PROFESSIONAL OF RECORD (If applicable)

Name of design professional	License number
Name of organization	Telephone number ()
Address (number and street, city, state, and ZIP code)	

4. PROJECT IDENTIFICATION

Name of project Country Echoes School	State project number	County Elkhart
Site address (number and street, city, state, and ZIP code) 29138 CR144 Nappanee, IN 46550		

Type of project: New Addition Alteration Change of occupancy Existing

5. REQUIRED ADDITIONAL INFORMATION

The following required information has been included with this application (check as applicable):

- A check made payable to the Indiana Department of Homeland Security for the appropriate amount. (see instructions)
- One (1) set of plans or drawings and supporting data that describe the area affected by the requested variance and any proposed alternatives.
- Written documentation showing that the local fire official has received a copy of the variance application.
- Written documentation showing that the local building official has received a copy of the variance application.

6. VIOLATION INFORMATION

Has the Plan Review Section of the Division of Fire & Building Safety issued a Correction Order?
 Yes (if yes, attach a copy of the Correction Order) No

Has a violation been issued? Yes (if yes, attach a copy of the Violation and answer the following) No

Violation issued by:

<input type="checkbox"/> Local Building Department	<input type="checkbox"/> State Fire and Building Code Enforcement Section
<input type="checkbox"/> Local Fire Department	

7. DESCRIPTION OF REQUESTED VARIANCE

Name of code or standard and edition involved 2008 Indiana Building Code	Specific code section 903.2.7 (a)
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Nature of non-compliance (include a description of spaces, equipment, etc. involved as necessary)
This is a mixed use E/R-3 occupancy building. The automatic sprinkler system required by IBC 903.2.7 will not be installed in this building.

8. DEMONSTRATION THAT PUBLIC HEALTH, SAFETY, AND WELFARE WILL BE PROTECTED

Select one of the following statements:

- Non-compliance with the rule will not be adverse to the public health, safety or welfare; or
- Applicant will undertake alternative actions in lieu of compliance with the rule to ensure that granting of the variance will not be adverse to public health, safety, or welfare. Explain why alternative actions would be adequate (be specific).

Facts demonstrating that the above selected statement is true:

This is a one room school with a classroom occupant load of less than 50 and a single occupant studio type apartment for the teacher to use during the school week. In addition to those items required by code, the following will be installed:

1. A long-life battery operated smoke and heat detection system with interconnected alarms will be installed throughout the building.
2. A second exit door from the classroom area will be installed.
3. Highly reflective exit signs will be at all interior and exterior exit doors.

In addition, there will be no open flames allowed in the classroom area.

9. DEMONSTRATION OF UNDUE HARDSHIP OR HISTORICALLY SIGNIFICANT STRUCTURE

Select at least one of the following statements:

- Imposition of the rule would result in an undue hardship (unusual difficulty) because of physical limitations of the construction site or its utility services.
- Imposition of the rule would result in an undue hardship (unusual difficulty) because of major operational problems in the use of the building or structure.
- Imposition of the rule would result in an undue hardship (unusual difficulty) because of excessive costs of additional or altered construction elements.
- Imposition of the rule would prevent the preservation of an architecturally or a historically significant part of the building or structure.

Facts demonstrating that the above selected statement is true:

This is a mixed use private Amish school with the following constraints:

1. This school is in a rural location with no readily available source of water for the sprinkler system.
2. Excessive costs would be incurred to install an oversize well, storage tanks and a dry pipe system to install sprinklers for a single efficiency apartment.
3. An electric well pump would be required on a property not served by commercial electricity.
4. Any attempt to provide separation between the E and R-3 would not be desirable or practical for the use of the building.

10. STATEMENT OF ACCURACY

I hereby certify under penalty of perjury that the information contained in this application is accurate.

Signature of applicant or person submitting application <i>Jacob Beechy</i>	Please print name Jacob Beechy	Date of signature (month, day, year) 12-12-14
Signature of design professional (if applicable)	Please print name	Date of signature (month, day, year)

11. STATEMENT OF AWARENESS (if the application is submitted on the applicant's behalf, the applicant must sign the following statement)

I hereby certify under penalty of perjury that I am aware of this request for variance and that this application is being submitted on my behalf.

Signature of applicant <i>Michael R Hostetler</i>	Please print name Michael R Hostetler	Date of signature (month, day, year) 12-12-14
--	--	--



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CODE SERVICES SECTION
402 West Washington Street, Room W246
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http://www.in.gov/dhs/fire/tp_bs_comm_code/



INSTRUCTION: Please refer to the attached four (4) page instructions.
Attach additional pages as needed to complete this application.

Variance number (Assigned by department)

15-02-01 (A)

1. APPLICANT INFORMATION (Person who would be in violation if variance is not granted; usually this is the owner)

Name of the applicant

Michael R Hostetter

Title

Michael R Hostetter

Name of organization

Country Echoes School

Telephone number

(574) 773-0653

Address (number and street, city, state, and ZIP code)

29138 CR144 Nappanee, IN 46550

2. PERSON SUBMITTING APPLICATION ON BEHALF OF THE APPLICANT (If not submitted by the applicant)

Name of person on behalf of the applicant

Jacob Beechey

Title

Agent

Name of organization

Telephone number

(574) 372-8779

Address (number and street, city, state, and ZIP code)

8611 W 750 N Ellettsville, IN 46524

3. DESIGN PROFESSIONAL OF RECORD (If applicable)

Name of design professional

License number

Name of organization

Telephone number

Address (number and street, city, state, and ZIP code)

()

4. PROJECT IDENTIFICATION

Name of project

Country Echoes School

State project number

County

Elkhart

Site address (number and street, city, state, and ZIP code)

29138 CR144 Nappanee, IN 46550

Type of project:

New

Addition

Alteration

Change of occupancy

Existing

5. REQUIRED ADDITIONAL INFORMATION

The following required information has been included with this application (check as applicable):

- A check made payable to the Indiana Department of Homeland Security for the appropriate amount. (see instructions)
- One (1) set of plans or drawings and supporting data that describe the area affected by the requested variance and any proposed alternatives.
- Written documentation showing that the local fire official has received a copy of the variance application.
- Written documentation showing that the local building official has received a copy of the variance application.

6. VIOLATION INFORMATION

Has the Plan Review Section of the Division of Fire & Building Safety issued a Correction Order?

Yes (if yes, attach a copy of the Correction Order)

No

Has a violation been issued?

Yes (if yes, attach a copy of the Violation and answer the following)

No

Violation issued by:

Local Building Department

Local Fire Department

State Fire and Building Code Enforcement Section

7. DESCRIPTION OF REQUESTED VARIANCE

Name of code or standard and edition involved 2008 Indiana Building Code	Specific code section 1011.2 (b)
Nature of non-compliance (include a description of spaces, equipment, etc. involved as necessary) This is a rural, two-room Amish school without electricity. The electrically powered illumination of the exit signs will not be provided.	

8. DEMONSTRATION THAT PUBLIC HEALTH, SAFETY, AND WELFARE WILL BE PROTECTED

Select one of the following statements:

Non-compliance with the rule will not be adverse to the public health, safety or welfare; or

Applicant will undertake alternative actions in lieu of compliance with the rule to ensure that granting of the variance will not be adverse to public health, safety, or welfare. Explain why alternative actions would be adequate (be specific).

Facts demonstrating that the above selected statement is true:

Highly reflective, photo-luminescent exit signs will be provided at all exit doors.

There will be hard-piped L.P. gas lights or Coleman lanterns or Leacock lights installed for lighting.

9. DEMONSTRATION OF UNDUE HARDSHIP OR HISTORICALLY SIGNIFICANT STRUCTURE

Select at least one of the following statements:

Imposition of the rule would result in an undue hardship (unusual difficulty) because of physical limitations of the construction site or its utility services.

Imposition of the rule would result in an undue hardship (unusual difficulty) because of major operational problems in the use of the building or structure.

Imposition of the rule would result in an undue hardship (unusual difficulty) because of excessive costs of additional or altered construction elements.

Imposition of the rule would prevent the preservation of an architecturally or a historically significant part of the building or structure.

Facts demonstrating that the above selected statement is true:

This rural Amish school is not served with electricity to power the exit sign lighting. There will be hard-piped L.P. gas lights or Coleman lanterns or Leacock lights installed for lighting.

10. STATEMENT OF ACCURACY

I hereby certify under penalty of perjury that the information contained in this application is accurate.

Signature of applicant or person submitting application <i>Jacob Beechy</i>	Please print name Jacob Beechy	Date of signature (month, day, year) 12-12-14
Signature of design professional (if applicable)	Please print name	Date of signature (month, day, year)

11. STATEMENT OF AWARENESS (If the application is submitted on the applicant's behalf, the applicant must sign the following statement)

I hereby certify under penalty of perjury that I am aware of this request for variance and that this application is being submitted on my behalf.

Signature of applicant <i>Michael R Hostetler</i>	Please print name Michael R Hostetler	Date of signature (month, day, year) 12-12-14
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Variance number (Assigned by department)

15-02-01 (C)

1. APPLICANT INFORMATION (Person who would be in violation if variance is not granted; usually this is the owner)

Name of the applicant

Michael R Hostetler

Title

Michael R Hostetler

Name of organization

Country Echoes School

Telephone number

(574) 773-0653

Address (number and street, city, state, and ZIP code)

29138 CR 144 Nappanee, IN 46550

2. PERSON SUBMITTING APPLICATION ON BEHALF OF THE APPLICANT (If not submitted by the applicant)

Name of person on behalf of the applicant

Jacob Beechey

Title

Agent

Name of organization

Telephone number

(574) 372-8779

Address (number and street, city, state, and ZIP code)

8611 W 750 N Ellettsville, IN 46524

3. DESIGN PROFESSIONAL OF RECORD (If applicable)

Name of design professional

License number

Name of organization

Telephone number

Address (number and street, city, state, and ZIP code)

()

4. PROJECT IDENTIFICATION

Name of project

Country Echoes School

State project number

County

Elkhart

Site address (number and street, city, state, and ZIP code)

29138 CR 144, Nappanee, IN 46550

Type of project:

New

Addition

Alteration

Change of occupancy

Existing

5. REQUIRED ADDITIONAL INFORMATION

The following required information has been included with this application (check as applicable):

- A check made payable to the Indiana Department of Homeland Security for the appropriate amount. (see instructions)
- One (1) set of plans or drawings and supporting data that describe the area affected by the requested variance and any proposed alternatives.
- Written documentation showing that the local fire official has received a copy of the variance application.
- Written documentation showing that the local building official has received a copy of the variance application.

6. VIOLATION INFORMATION

Has the Plan Review Section of the Division of Fire & Building Safety issued a Correction Order?

Yes (if yes, attach a copy of the Correction Order)

No

Has a violation been issued?

Yes (if yes, attach a copy of the Violation and answer the following)

No

Violation issued by:

Local Building Department

State Fire and Building Code Enforcement Section

Local Fire Department

7. DESCRIPTION OF REQUESTED VARIANCE

Name of code or standard and edition involved 2008 Indiana Building Code	Specific code section 907.2.3 (c)
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Nature of non-compliance (include a description of spaces, equipment, etc. involved as necessary)
This is a small rural two-room Amish School with an occupant load of less than 70. The manual fire alarm system required by Section 907.2.3 will not be installed.

8. DEMONSTRATION THAT PUBLIC HEALTH, SAFETY, AND WELFARE WILL BE PROTECTED

Select one of the following statements:

- Non-compliance with the rule will not be adverse to the public health, safety or welfare; or
- Applicant will undertake alternative actions in lieu of compliance with the rule to ensure that granting of the variance will not be adverse to public health, safety, or welfare. Explain why alternative actions would be adequate (be specific).

Facts demonstrating that the above selected statement is true:

-Provide interconnected, long life battery smoke and heat detectors throughout building.

9. DEMONSTRATION OF UNDUE HARDSHIP OR HISTORICALLY SIGNIFICANT STRUCTURE

Select at least one of the following statements:

- Imposition of the rule would result in an undue hardship (unusual difficulty) because of physical limitations of the construction site or its utility services.
- Imposition of the rule would result in an undue hardship (unusual difficulty) because of major operational problems in the use of the building or structure.
- Imposition of the rule would result in an undue hardship (unusual difficulty) because of excessive costs of additional or altered construction elements.
- Imposition of the rule would prevent the preservation of an architecturally or a historically significant part of the building or structure.

Facts demonstrating that the above selected statement is true:

This small, two-room school will have a fully operational interconnected smoke and heat detection/alarm system throughout the building. Adequate notice to evacuate the building will be provided via this system. The only difference between the system proposed and the required system is the addition of a manual pull station at the exit doors. Given the small size of the building these pull stations are not necessary.

10. STATEMENT OF ACCURACY

I hereby certify under penalty of perjury that the information contained in this application is accurate.

Signature of applicant or person submitting application <i>Jacob Beechy</i>	Please print name Jacob Beechy	Date of signature (month, day, year) 12-12-14
Signature of design professional (if applicable)	Please print name	Date of signature (month, day, year)

11. STATEMENT OF AWARENESS (If the application is submitted on the applicant's behalf, the applicant must sign the following statement)

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Signature of applicant <i>Michael R Hostetler</i>	Please print name Michael R Hostetler	Date of signature (month, day, year) 12-12-14
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Variance number (Assigned by department)

15-02-01 (d)

1. APPLICANT INFORMATION (Person who would be in violation if variance is not granted; usually this is the owner)

Name of the applicant

Michael R Hostetler

Title

Michael R Hostetler

Name of organization

Country Echoes School

Telephone number

(574) 773-0653

Address (number and street, city, state, and ZIP code)

29138 CR144 Nappanee, IN 46550

2. PERSON SUBMITTING APPLICATION ON BEHALF OF THE APPLICANT (If not submitted by the applicant)

Name of person on behalf of the applicant

Jacob Beechey

Title

Agent

Name of organization

Telephone number

(574) 312-8779

Address (number and street, city, state, and ZIP code)

8611 W 750 N Ellettsville, IN 46524

3. DESIGN PROFESSIONAL OF RECORD (If applicable)

Name of design professional

License number

Name of organization

Telephone number

Address (number and street, city, state, and ZIP code)

()

4. PROJECT IDENTIFICATION

Name of project

Country Echoes School

State project number

County

Elkhart

Site address (number and street, city, state, and ZIP code)

29138 CR144 Nappanee, IN 46550

Type of project:

New

Addition

Alteration

Change of occupancy

Existing

5. REQUIRED ADDITIONAL INFORMATION

The following required information has been included with this application (check as applicable):

A check made payable to the Indiana Department of Homeland Security for the appropriate amount. (see instructions)

One (1) set of plans or drawings and supporting data that describe the area affected by the requested variance and any proposed alternatives.

Written documentation showing that the local fire official has received a copy of the variance application.

Written documentation showing that the local building official has received a copy of the variance application.

6. VIOLATION INFORMATION

Has the Plan Review Section of the Division of Fire & Building Safety issued a Correction Order?

Yes (if yes, attach a copy of the Correction Order)

No

Has a violation been issued? Yes (if yes, attach a copy of the Violation and answer the following) No

Violation issued by: Local Building Department

Local Fire Department

State Fire and Building Code Enforcement Section

7. DESCRIPTION OF REQUESTED VARIANCE

Name of code or standard and edition involved

2008 Indiana Building Code

Specific code section

1006

(d)

Nature of non-compliance (include a description of spaces, equipment, etc. involved as necessary)

This is a small rural Amish school. Means of egress illumination required by Section 1006 will not be installed.

8. DEMONSTRATION THAT PUBLIC HEALTH, SAFETY, AND WELFARE WILL BE PROTECTED

Select one of the following statements:

- Non-compliance with the rule will not be adverse to the public health, safety or welfare; or
- Applicant will undertake alternative actions in lieu of compliance with the rule to ensure that granting of the variance will not be adverse to public health, safety, or welfare. Explain why alternative actions would be adequate (be specific).

Facts demonstrating that the above selected statement is true:

-For the safety of the children, travel to and from these schools is accomplished during daylight hours. Because of this, the school building will not be used during non-daylight hours.
-Highly reflective photo luminescent exit signs will be installed at each exit door.
-An interconnected smoke and heat detection/alarm system will be installed throughout the building.

9. DEMONSTRATION OF UNDUE HARDSHIP OR HISTORICALLY SIGNIFICANT STRUCTURE

Select at least one of the following statements:

- Imposition of the rule would result in an undue hardship (unusual difficulty) because of physical limitations of the construction site or its utility services.
- Imposition of the rule would result in an undue hardship (unusual difficulty) because of major operational problems in the use of the building or structure.
- Imposition of the rule would result in an undue hardship (unusual difficulty) because of excessive costs of additional or altered construction elements.
- Imposition of the rule would prevent the preservation of an architecturally or a historically significant part of the building or structure.

Facts demonstrating that the above selected statement is true:

This rural Amish school is not served with electricity to power the emergency lighting.

10. STATEMENT OF ACCURACY

I hereby certify under penalty of perjury that the information contained in this application is accurate.

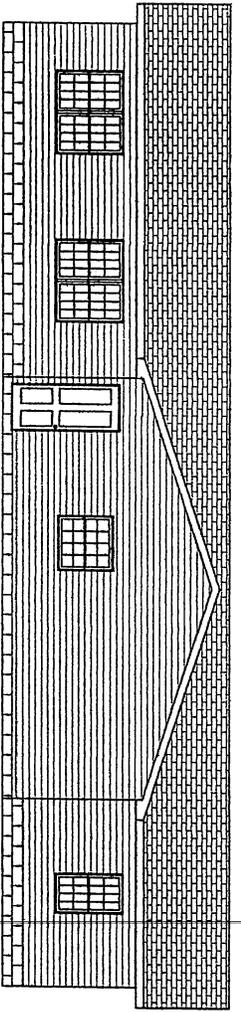
Signature of applicant or person submitting application	Please print name	Date of signature (month, day, year)
Jacob Beechy	Jacob Beechy	12-12-14
Signature of design professional (if applicable)	Please print name	Date of signature (month, day, year)

11. STATEMENT OF AWARENESS (If the application is submitted on the applicant's behalf, the applicant must sign the following statement)

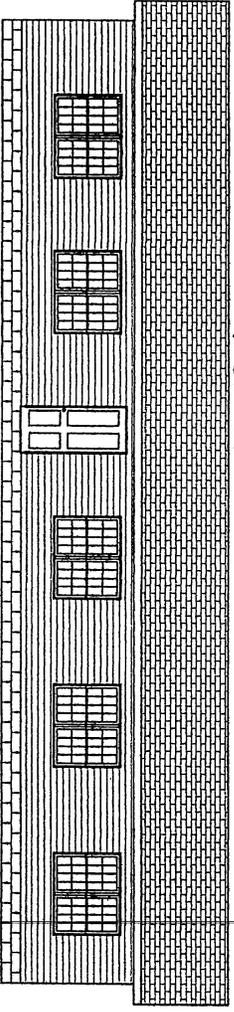
I hereby certify under penalty of perjury that I am aware of this request for variance and that this application is being submitted on my behalf.

Signature of applicant	Please print name	Date of signature (month, day, year)
Michael R Hostetler	Michael R Hostetler	12-12-14

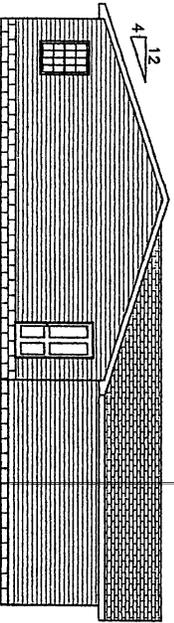
West elevation



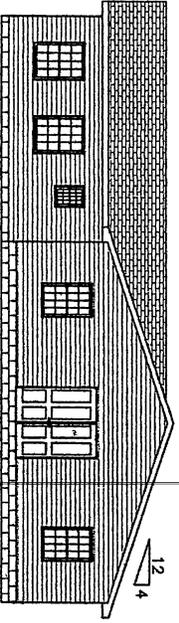
East elevation



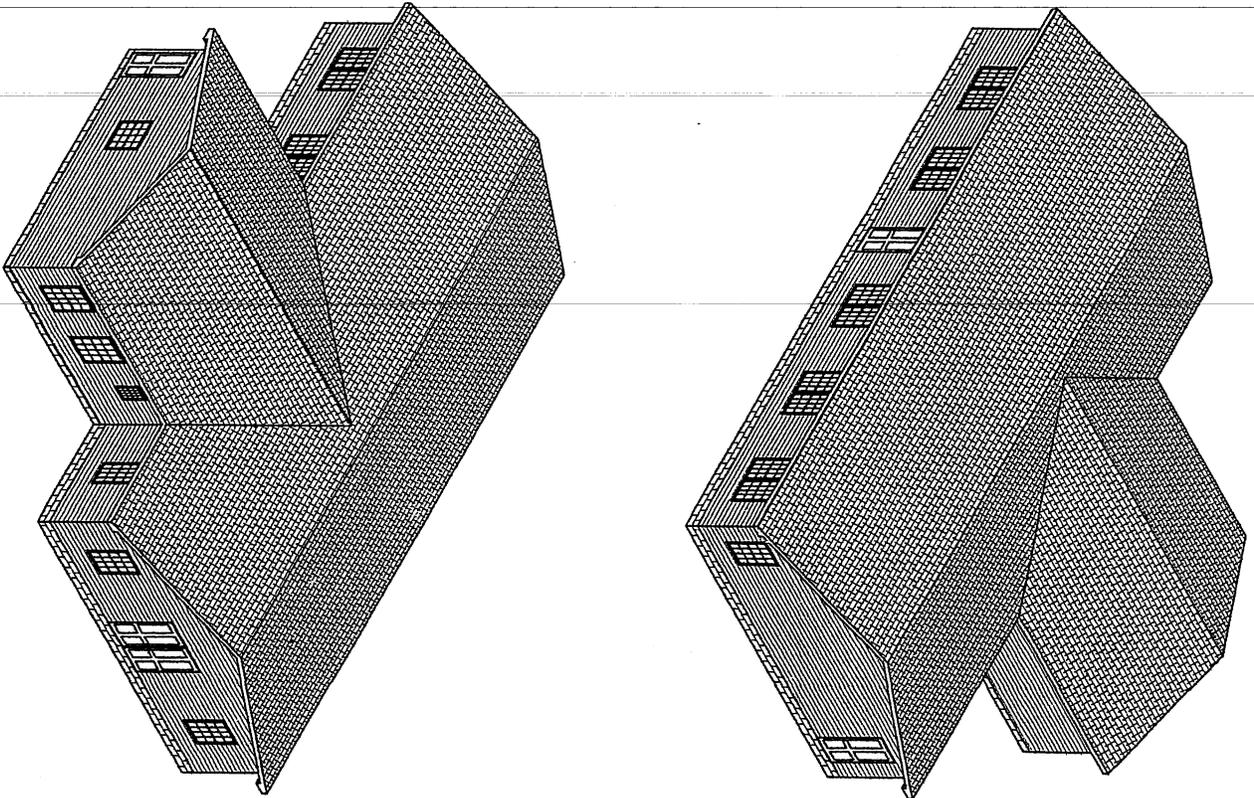
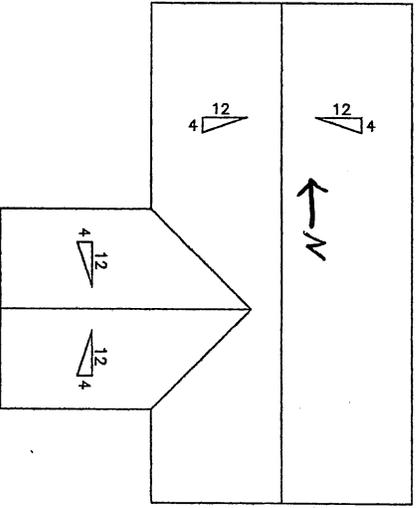
North Elevation



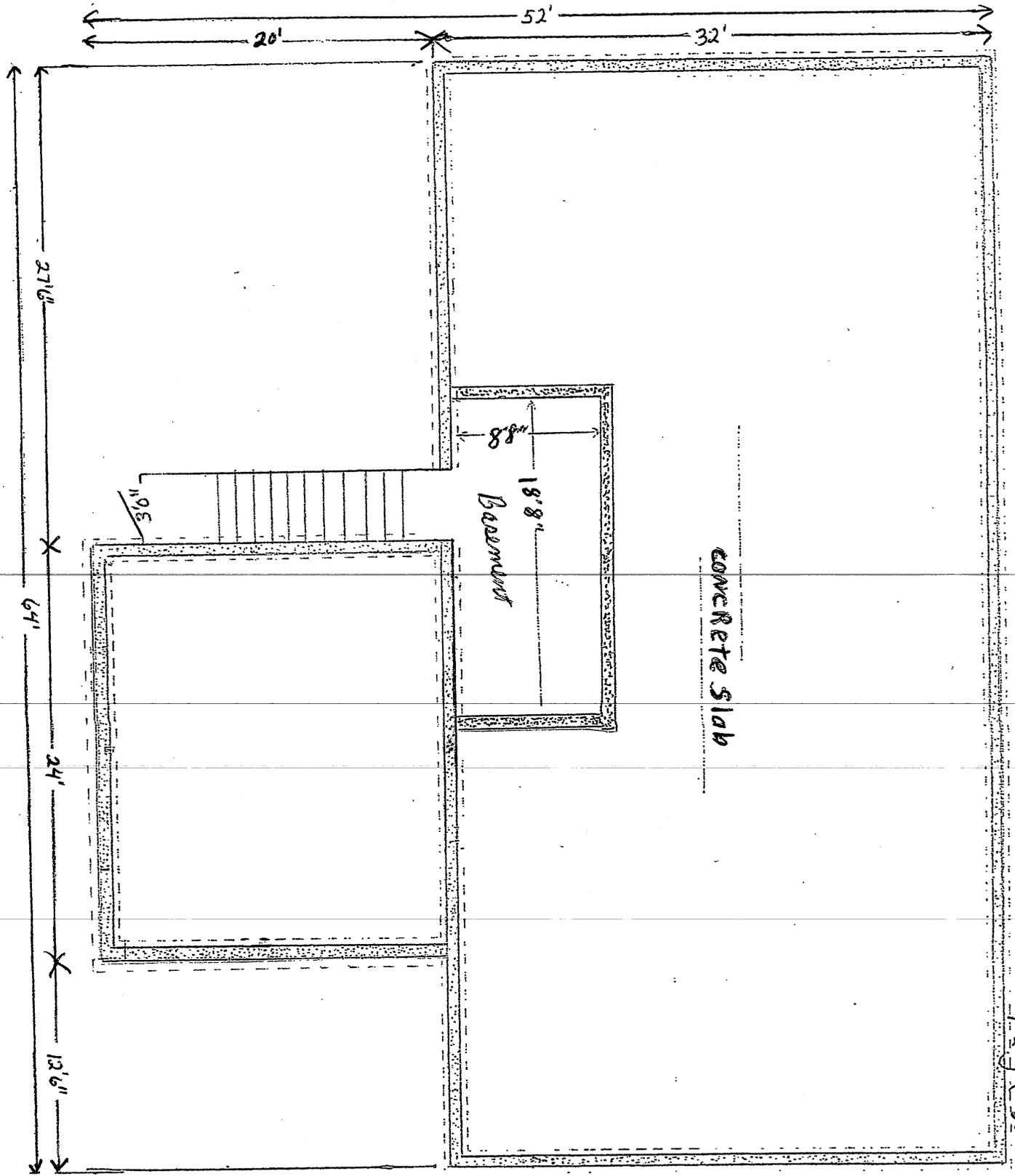
South Elevation



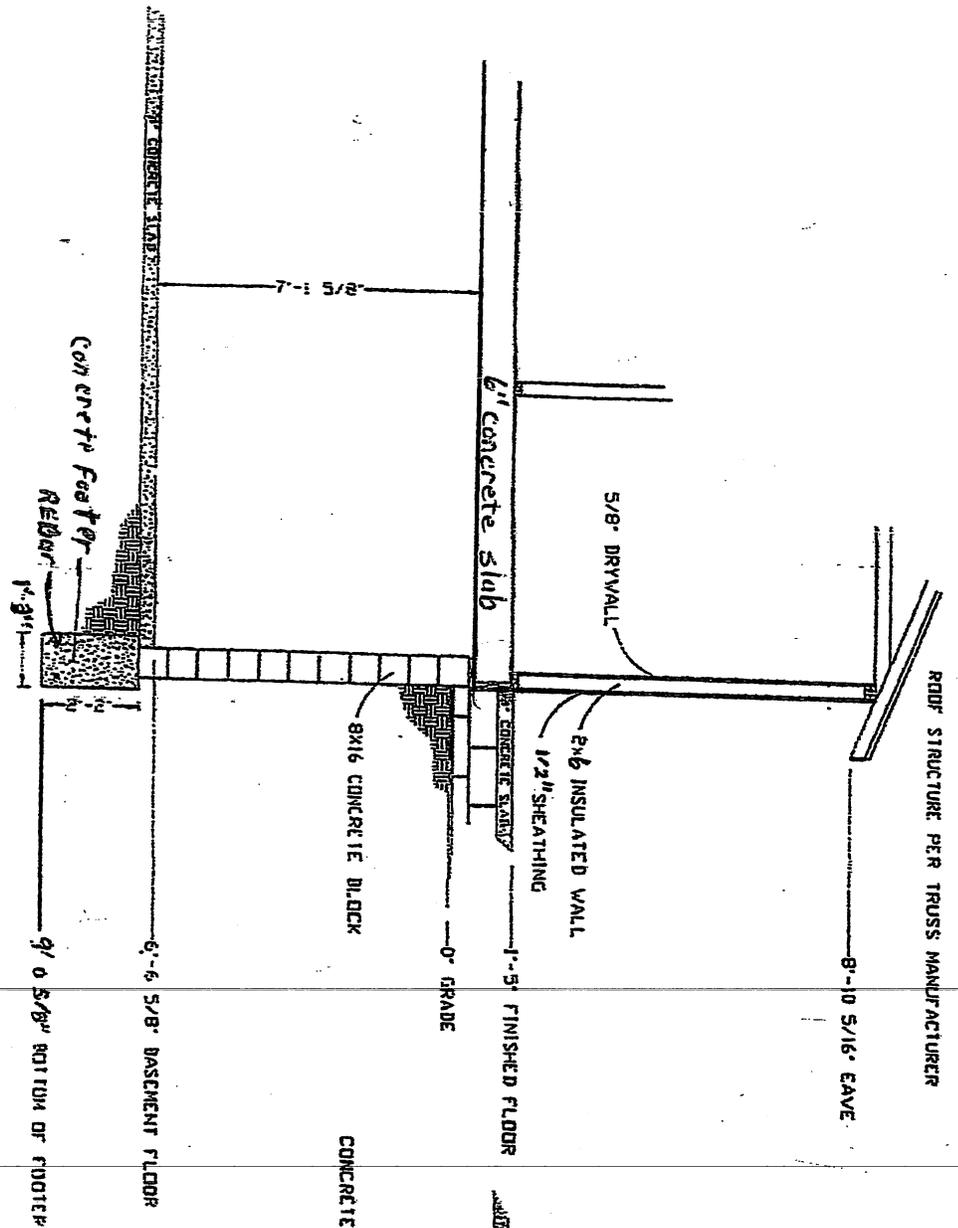
ROOF PLAN



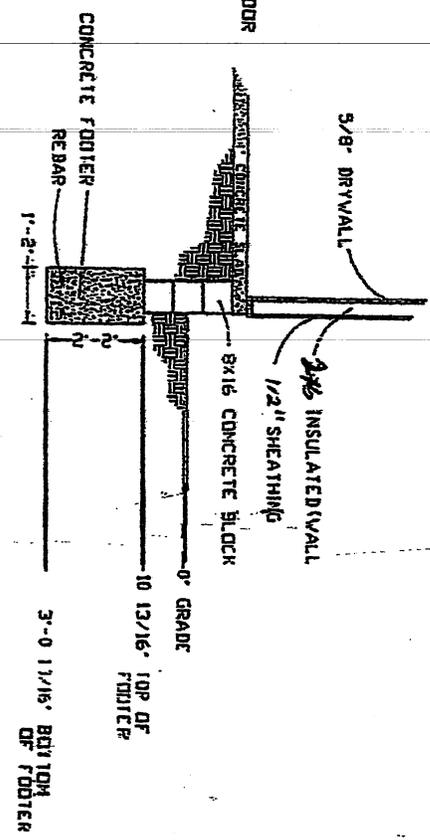
FOUNDATION PLAN



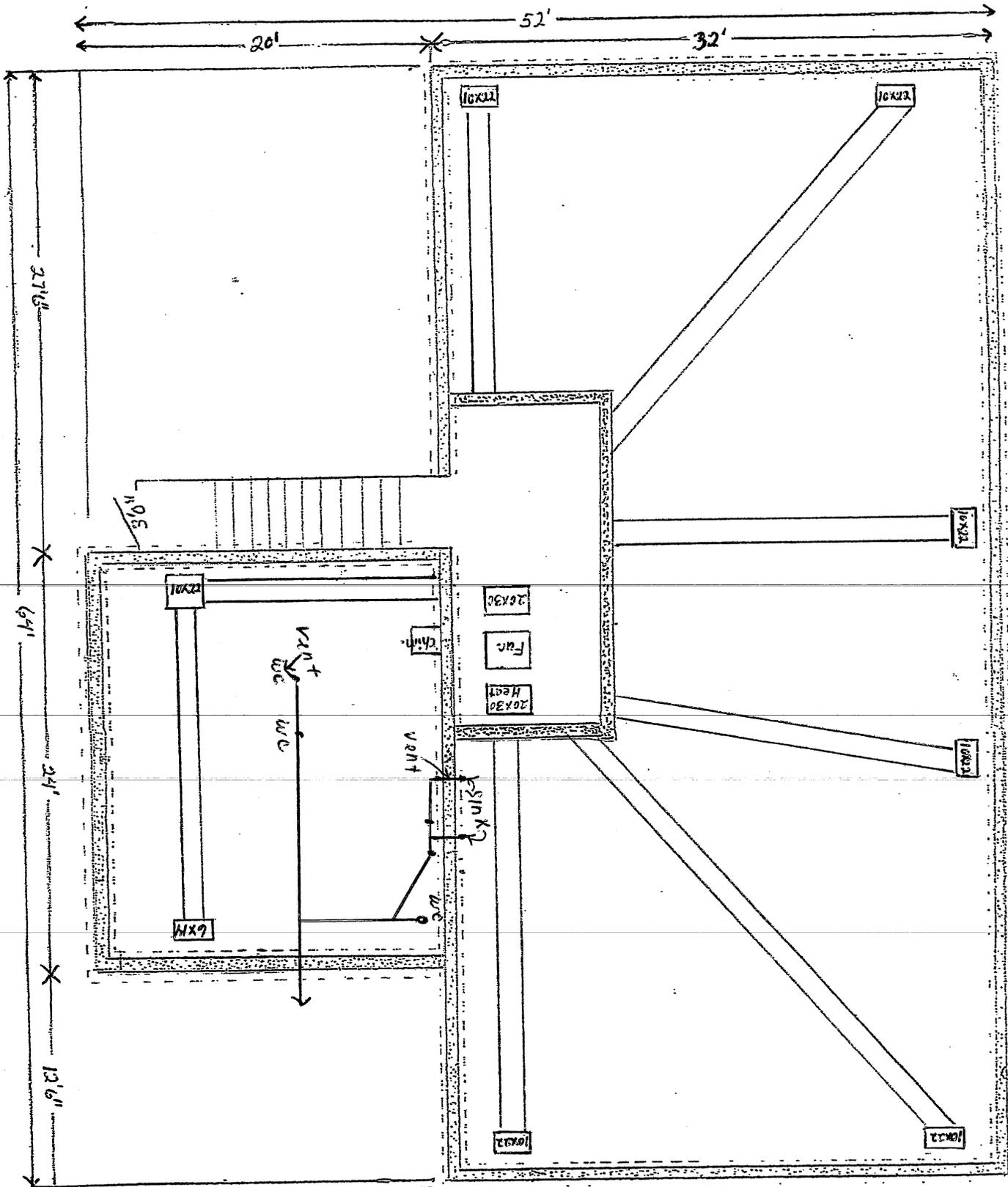
SECTION A



SECTION B



Heating Plan + Plumbing

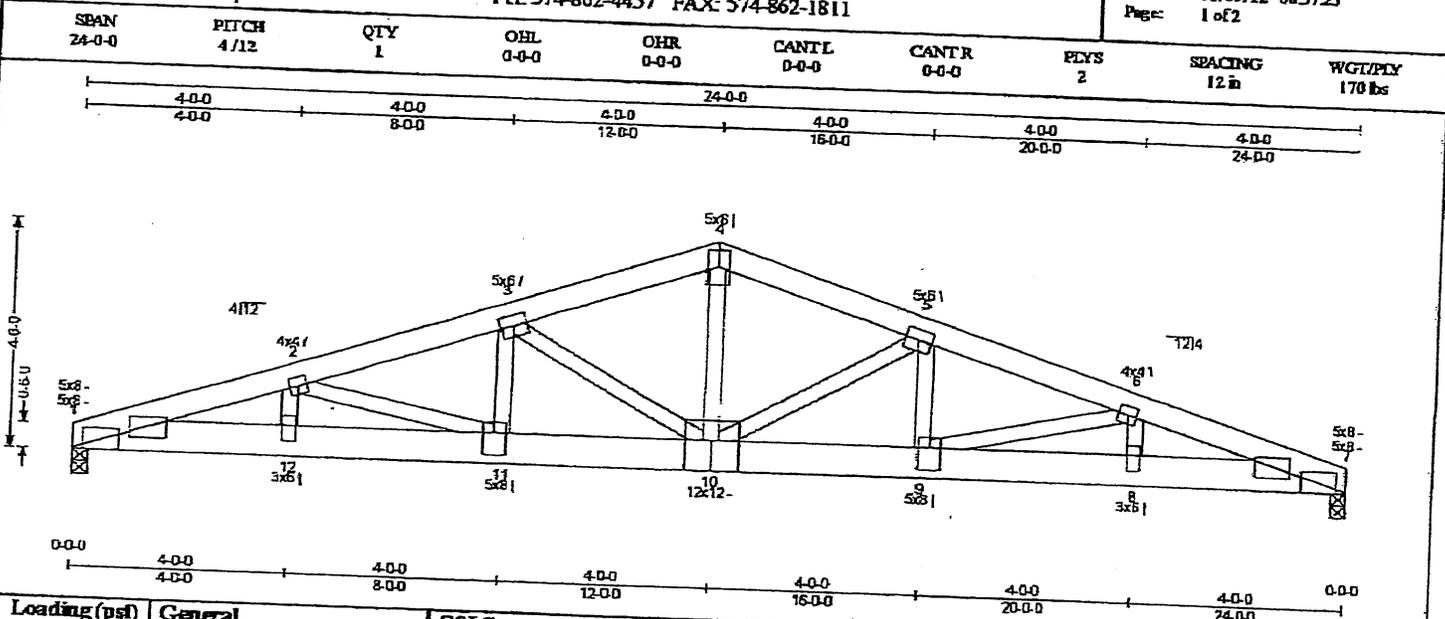


Country Echoes School

ID: #39671 Page 4 of 9

Martin Truss Manufacturing
 62332 CR 1
 Elkhart, IN 46517
 POC: 574-862-4457 FAX: 574-862-1811

Truss: T2R
 Job Name: MKT 35B
 Date: 03/09/12 08:57:25
 Page: 1 of 2



Span	Pitch	QTY	OHL	OHR	CANT L	CANT R	FLYS	SPACING	WGTY/PLY
24-0-0	4/12	1	0-0-0	0-0-0	0-0-0	0-0-0	2	12 in	170 lbs

Carried Loads (psf)	General	CSI Summary	Deflection	L/	(loc)	Allowed
ICLL: 30	Bldg Code: IBC 2006/ IPI1-2002	TC: 0.74 (5-7)	Vert TL: 0.59 in	L/174	(9-10)	L/240
ICBL: 7	Rep Mbr Increase: No	BC: 0.73 (8-9)	Vert LL: 0.38 in	L/70	(9-10)	L/350
BCLL: 0	D.O.L.: 115%	Web: 0.95 (4-10)	Horz TL: 0.15 in			
BCBL: 10						

Reaction Summary

JT	Type	Brj Combo	Brj Width	Rpd Brj Width	Max React	Max Crw Uplift	Max MWFRS Uplift	Max C&C Uplift	Max Uplift	Max Horiz
1	Fin (Wall)	1	3.5 in	3.97 in	9,588 lbs					
7	ERol (Wall)	1	3.5 in	3.97 in	9,588 lbs	-2,449 lbs	-2,449 lbs		-2,449 lbs	

Bearing stiffeners may be required at the following bearings:
 See Eagle Metal 'Bearing Enhancer' detail for capacity of specific bearing block(s) and connectors

Brj #
1

Material Summary
 TC SP# 2 x 6
 BC SP 2x10 2 x 8
 Webs SP# 2 x 4

Bracing Summary
 TC Bracing: Sheathed or Purlin at 3-8-0, Purlin design by Others.
 BC Bracing: Sheathed or Purlin at 10-0-0, Purlin design by Others.

Loads Summary

- This truss has been designed for the effects of wind loads in accordance with ASCE 7-05 with the following user defined input: 50 mph, Exposure C, End Zone Frus, Both end webs considered. DOL=1.60
- Minimum storage attic loading has been applied in accordance with IBC 1607.1

Load Case L1: Std Live Load

Distributed Loads

Member	Location 1	Location 2	Direction	Spread	Start Load	End Load	Tab Width
Bot	0-0-0	24-0-0	Down	Proj	480 psf	480 psf	
Top	0-0-0	24-0-0	Down	Proj	30 psf	30 psf	12 in

Load Case D1: Std Dead Load

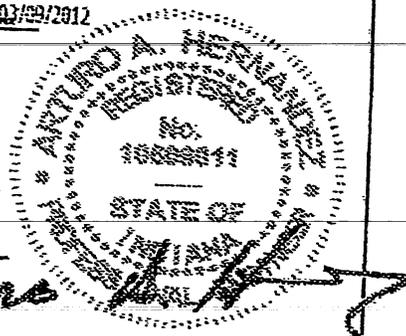
Distributed Loads

Member	Location 1	Location 2	Direction	Spread	Start Load	End Load	Tab Width
Bot	0-0-0	24-0-0	Down	Proj	272 psf	272 psf	
Top	0-0-0	24-0-0	Down	Proj	7 psf	7 psf	12 in
Bot	0-0-0	24-0-0	Down	Proj	10 psf	10 psf	12 in

Member Forces Summary

TC	1-2	0.711	-12,190 lbs	24	0.483	-7,864 lbs	5-6	0.632	-10,246 lbs
BC	7-8	0.325	11,571 lbs	5-10	0.637	8,751 lbs	11-12	0.733	11,571 lbs
Web	2-11	0.228	1,157 lbs	3-10	0.352	-7,789 lbs	5-9	0.447	2,228 lbs
	2-11	0.228	-1,910 lbs	4-10	0.551	4,737 lbs	5-9	0.222	-3,910 lbs
	3-11	0.447	2,228 lbs	5-11	0.352	-7,789 lbs	5-8	0.222	1,157 lbs

- Notes:**
- When this truss has been chosen for quality assurance inspection, the Effective Tooth Count Method per IPI1-2002A3.4 shall be used.
 - Reuse bottom chord with approved sheathing.



ALL PERSONS FABRICATING, HANDLING, ERECTING OR INSTALLING ANY TRUSS BASED UPON THIS TRUSS DESIGN DRAWING ARE INSTRUCTED TO REFER TO THE INSTRUCTIONS, LIMITATIONS AND QUALIFICATIONS SET FORTH IN THE EAGLE METAL PRODUCTS DESIGN NOTES ISSUED WITH THIS DESIGN AND AVAILABLE FROM EAGLE UPON REQUEST.

TrueBuild Software v3.00.40
 Eagle Metal Products
 Dallas, TX 75204

03/09/2012 Fri 09:57

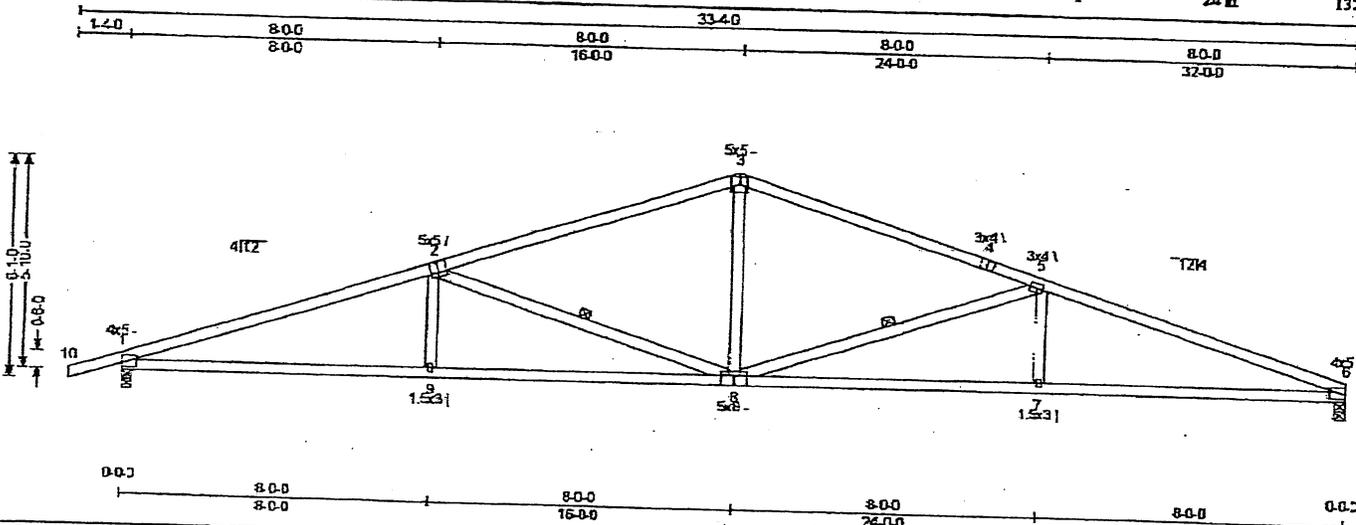
Country Echoes School

ID: #39671 Page 7 of 9

Martin Truss Manufacturing
 62332 CR 1
 Elkhart, IN 46517
 PH: 574-862-4457 FAX: 574-862-1811

Truss: T4R
 JobName: MET35B
 Date: 03/09/12 08:57:27
 Page: 1 of 1

SPAN	PITCH	QTY	OHL	OHR	CANT L	CANT R	FLYS	SPACING	WGT/PLY
32-0-0	4/12	1	1-4-0	0-0-0	0-0-0	0-0-0	1	24 in	132 lbs



Loading (psf)	General	CSI Summary	Deflection	L/	(loc)	Allowed
TC LL: 21 TC RL: 7 BC LL: 0 BC RL: 10	Blg Code: IBC 2006/ TPEI-2002 Rep Mbr Inspec: Yes D.O.L.: 115%	TC: 0.89 (2-3) BC: 0.96 (7-8) Web: 0.25 (5-8)	Vert TL: 0.43 in Vert LL: 0.19 in Roof TL: 0.12 in	L/878 L/999 6	(8-9) (8-9) 6	L/240 L/360

Reaction Summary

JT	Type	Req Combo	Req Width	Req Brg Width	Max React	Max Gray Uplift	Max MWFRS Uplift	Max C&C Uplift	Max Uplift	Max Horiz
1	Pin (Wall)	1	3.5 in	1.58 in	1,338 lbs					
6	HR Roll (Wall)	1	1.5 in	1.49 in	1,261 lbs	-403 lbs	-426 lbs	-626 lbs	-513 lbs	31 lbs

Material Summary

TC	SP #1 2x 4
BC	SP #1 2x 4
Web	SP #1 2x 4

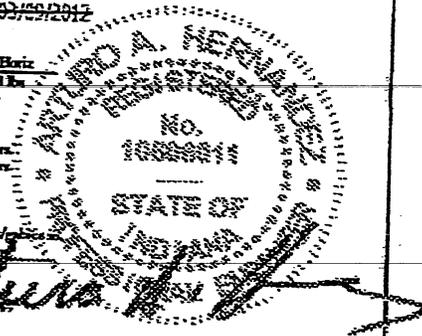
Bracing Summary
 TC Bracing: Standard or Purlin at 2-8-0, Purlin design by Others.
 BC Bracing: Standard or Purlin at 5-8-0, Purlin design by Others.

- Loads Summary**
- This truss has been designed for the effects of balanced (4/12, 21 psf) and unbalanced (4/12, 6.3 psf wind, 21 psf ice, 172 psf ice over peak to 7.7 ft) snow loads in accordance with ASCE 7-05 with the following user defined input: 30 psf ground snow load, Terrain Category C, Exposure Category Partially Exposed (Ce=ED), Building Category II (I=1.0), Thermal Condition All Others (Ct=1.0), DOL=1.15. If the roof configuration differs from hipped, Building Designer shall verify snow loads.
 - This truss has been designed to account for the effects of ice dams forming at the eaves.
 - This truss has been designed for the effects of wind loads in accordance with ASCE 7-05 with the following user defined input: 90 mph, Exposure C, Building Category II (I=1.00), h=3-25 R, End Zone: End, Both end walls considered DOL=1.60.
 - This truss has been designed for the effects of TC LL=20 psf.
 - Minimum storage static loading has been applied in accordance with IBC 1607.1.

Member Forces Summary

Member	Force	Member ID	Force	Member ID	Force
TC 10-1	0.45	41 lbs	2-3	0.89	-1,950 lbs
TC 12	0.83	-3,011 lbs	3-5	0.887	-1,950 lbs
BC 6-7	0.93	2,840 lbs	7-8	0.971	2,840 lbs
Web 2-9	0.66	290 lbs	3-4	0.16	341 lbs
Web 2-8	0.42	-1,153 lbs	5-8	0.30	-1,179 lbs

- Notes:**
- When this truss has been chosen for quality assurance inspection, the Effective Tooth Count Method per TPEI-2002/A3.4 shall be used.
 - Brace bottom chord with approved sheathing.
 - Indicates lateral bracing required perpendicular to the plane of the truss at either the midpoint (one shown) or third points (two shown), bracing by others. See BC SI-10 for additional information.
 - Wind uplift reactions based on MWFRS & C&C loading.

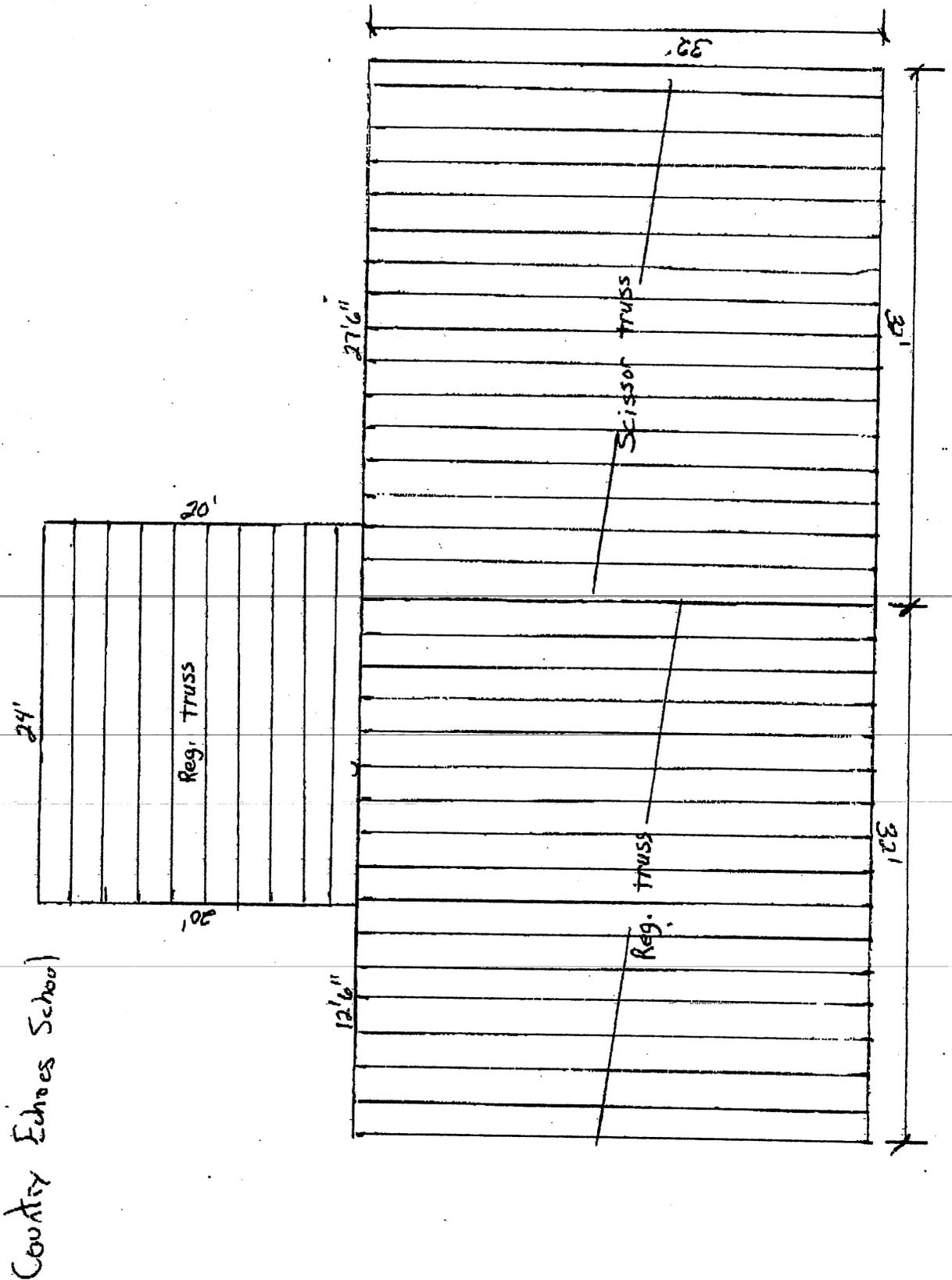


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 Eagle Metal Products
 Dallas, TX 75244

Country Echoes School

p.1



Country Echoes School



Elkhart County Planning & Development

Public Services Building | 4230 Elkhart Road, Goshen, Indiana 46526

Phone: 574-875-3335 | Fax: 574-875-3308

www.elkhartcountyindiana.com

December 19, 2014

To Whom It May Concern,

I have received a copy of the Application for Variance for Not installing sprinklers, manual fire alarms, making exit lighting modification and elimination of vestibule requirements to Country Echoes School, 29138 County Road 144 Nappanee, IN 46550.

Respectfully,
Kevin Williams

A handwritten signature in cursive script that reads 'Kevin Williams'.

Elkhart County Building Commissioner



WAKARUSA FIRE DEPARTMENT

**P.O. Box 812, 301 E. Waterford St.
Wakarusa, Indiana 46573-0812**

To whom it concerns,
I have received a copy of the variances on the attached pages for the Country Echoes School
Wakarusa Fire Chief Kamron Brubacher
