

City of Portland, Maine - Building or Use Permit Application 389 Congress Street, 04101, Tel: (207) 874-8703, FAX: 874-8716

Location of Construction:		Owner:		Phone:	
1021 Ocean Avenue		William Cribbals		773-6034	
Owner Address:		Lessee/Buyer's Name:		Phone:	
205 Orlin Street, Portland, ME 04103				Business Name:	
Contractor Name:		Address:		Phone:	
Past Use:		Proposed Use:		COST OF WORK:	
Retail		Retail with addition		\$	
Proposed Project Description:		Signature:		PERMIT FEE:	
addition to commercial property		Signature:		\$	
Permit Taken By: Una		Date Applied For: 15 October 1999		Signature:	
1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal rules.		Action:		Approved	
2. Building permits do not include plumbing, septic or electrical work.		Approved with Conditions:		<input type="checkbox"/>	
3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work.		Denied		<input type="checkbox"/>	
		Signature:		Date:	

CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provisions of the code(s) applicable to such permit

15 October 1999

SIGNATURE OF APPLICANT

ADDRESS:

DATE:

PHONE:

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE

PHONE:

White-Permit Desk Green-Assessor's Canary-D.P.W. Pink-Public File Ivory Card-Inspector

Permit No: 991367

Permit Issued:

DEC 13 1999

Zone: CBL: 415-B-004

Zoning Approval:

Special Zone or Reviews:

- ☐ Shoreland
- ☐ Wetland
- ☐ Flood Zone
- ☐ Subdivision
- ☐ Site Plan map
- ☐ Minor
- ☐ mm

Zoning Appeal

- ☐ Variance
- ☐ Miscellaneous
- ☐ Conditional Use
- ☐ Interpretation
- ☐ Approved
- ☐ Denied

Historic Preservation

- ☐ Not in District or Landmark
- ☐ Does Not Require Review
- ☐ Requires Review

Action:

- ☐ Approved
- ☐ Approved with Conditions
- ☐ Denied

Date:

PERMIT ISSUED WITH REQUIREMENTS CEO DISTRICT



COMMENTS

2/23/00 Framing insp - need to add hangers on floor ~~at~~ joists that run under stairs or ledger - need to do the same where stringers meet landing - discussed fire ratings / guardrails / stairs (ext)
 June 30, 2000 Need fire rated doors, exit lights in hall?, graspable hand rails on exterior. Also question on 12' run on stairs. Second handrail on interior stairs. Completed fire rating between "garage type" section. Also questions on furnace. A.R.

7-24-00 Final Insp - addressed all of the above - OK for CO

Permit # 991367

CBL- 415-B-4

Inspection Record

Type	Date
Foundation: _____	_____
Framing: _____	_____
Plumbing: _____	_____
Final: _____	_____
Other: _____	_____



CITY OF PORTLAND, MAINE
Department of Building Inspection

Certificate of Occupancy

LOCATION 1021 Ocean Ave 415-B-004

Issued to William Cribizis

Date of Issue July 24 2000

This is to certify that the building, premises, or part thereof, at the above location, built — altered — changed as to use under Building Permit No. 991367, has had final inspection, has been found to conform substantially to requirements of Zoning Ordinance and Building Code of the City, and is hereby approved for occupancy or use, limited or otherwise, as indicated below.

PORTION OF BUILDING OR PREMISES

APPROVED OCCUPANCY

Rear Portion

1st floor storage 2nd floor offices
Boca 96

Limiting Conditions:

This certificate supersedes
certificate issued

Approved:

7/24/00 *Thomas J. Munn*

(Date) Inspector

[Signature]

Inspector of Buildings

Notice: This certificate identifies lawful use of building or premises, and ought to be transferred from owner to owner when property changes hands. Copy will be furnished to owner or lessee for one dollar.

07/25/00 *HMJ*



CITY OF PORTLAND, MAINE
Department of Building Inspection

Certificate of Occupancy

LOCATION 1021 Ocean Ave 415-B-004

Issued to William Cribizis

Date of Issue July 24 2000

This is to certify that the building, premises, or part thereof, at the above location, built — altered — changed as to use under Building Permit No. 991367, has had final inspection, has been found to conform substantially to requirements of Zoning Ordinance and Building Code of the City, and is hereby approved for occupancy or use, limited or otherwise, as indicated below.

PORTION OF BUILDING OR PREMISES

APPROVED OCCUPANCY

Rear Portion

1st floor storage 2nd floor offices
Boca 96

Limiting Conditions:

This certificate supersedes
certificate issued

Approved:

7/24/00 *Tammy Munn*

(Date) Inspector

J. Samuel Affley

Inspector of Buildings

Notice: This certificate identifies lawful use of building or premises, and ought to be transferred from owner to owner when property changes hands. Copy will be furnished to owner or lessee for one dollar.

07/25/00 *Humy*

BUILDING PERMIT REPORT

DATE: 8 DEC. 99 ADDRESS: 1021 Ocean Ave. CBL: 415-B-004

REASON FOR PERMIT: 40'x40' addition

BUILDING OWNER: William Gribizis

PERMIT APPLICANT: CONTRACTOR owner

USE GROUP: S/B CONSTRUCTION TYPE: 53 CONSTRUCTION COST: \$40,000 PERMIT FEES: \$24.00

The City's Adopted Building Code (The BOCA National Building code/1996 with City Amendments)
The City's Adopted Mechanical Code (The BOCA National Mechanical Code/1993)

CONDITION(S) OF APPROVAL

This permit is being issued with the understanding that the following conditions are met: *1, *2, *11, *13, *17
*20, *23, *27, *32, *34, #5

- *1. This permit does not excuse the applicant from meeting applicable State and Federal rules and laws.
- *2. Before concrete for foundation is placed, approvals from the Development Review Coordinator and Inspection Services must be obtained. (A 24 hour notice is required prior to inspection) **"ALL LOT LINES SHALL BE CLEARLY MARKED BEFORE CALLING."**
3. Foundation drain shall be placed around the perimeter of a foundation that consists of gravel or crushed stone containing not more than 10 percent material that passes through a No. 4 sieve. The drain shall extend a minimum of 12 inches beyond the outside edge of the footing. The thickness shall be such that the bottom of the drain is not higher than the bottom of the base under the floor, and that the top of the drain is not less than 6 inches above the top of the footing. The top of the drain shall be covered with an approved filter membrane material. Where a drain tile or perforated pipe is used, the invert of the pipe or tile shall not be higher than the floor elevation. The top of joints or top of perforations shall be protected with an approved filter membrane material. The pipe or tile shall be placed on not less than 2" of gravel or crushed stone, and shall be covered with not less than 6" of the same material. Section 1813.5.2
4. Foundations anchors shall be a minimum of 1/2" in diameter, 7" into the foundation wall, minimum of 12" from corners of foundation and a maximum 6' O.C. between bolts. Section 2305.17
5. Waterproofing and dampproofing shall be done in accordance with Section 1813.0 of the building code.
6. Precaution must be taken to protect concrete from freezing. Section 1908.0
7. It is strongly recommended that a registered land surveyor check all foundation forms before concrete is placed. This is done to verify that the proper setbacks are maintained.
8. Private garages located beneath habitable rooms in occupancies in Use Group R-1, R-2, R-3 or I-1 shall be separated from adjacent interior spaces by fire partitions and floor/ceiling assembly which are constructed with not less than 1-hour fire resisting rating. Private garages attached side-by-side to rooms in the above occupancies shall be completely separated from the interior spaces and the attic area by means of 1/2 inch gypsum board or the equivalent applied to the garage means of 1.2 inch gypsum board or the equivalent applied to the garage side. (Chapter 4, Section 407.0 of the BOCA/1996)
9. All chimneys and vents shall be installed and maintained as per Chapter 12 of the City's Mechanical Code. (The BOCA National Mechanical Code/1993). Chapter 12 & NFPA 211
10. Sound transmission control in residential building shall be done in accordance with Chapter 12, Section 1214.0 of the City's Building Code.
- *11. Guardrails & Handrails: A guardrail system is a system of building components located near the open sides of elevated walking surfaces for the purpose of minimizing the possibility of an accidental fall from the walking surface to the lower level. Minimum height all Use Groups 42", except Use Group R which is 36". In occupancies in Use Group A,B,H-4, I-1, I-2, M and R and public garages and open parking structures, open guards shall have balusters or be of solid material such that a sphere with a diameter of 4" cannot pass through any opening. Guards shall not have an ornamental pattern that would provide a ladder effect. (Handrails shall be a minimum of 34" but not more than 38". Use Group R-3 shall not be less than 30", but not more than 38"). Handrail grip size shall have a circular cross section with an outside diameter of at least 1 1/4" and not greater than 2". (Sections 1021 & 1022.0). Handrails shall be on both sides of stairway. (Section 1014.7)
12. Headroom in habitable space is a minimum of 7'6". (Section 1204.0)
- *13. Stair construction in Use Group R-3 & R-4 is a minimum of 10" tread and 7 3/4" maximum rise. All other Use Group minimum 11" tread, 7" maximum rise. (Section 1014.0)
14. The minimum headroom in all parts of a stairway shall not be less than 80 inches. (6'8") 1014.4
15. Every sleeping room below the fourth story in buildings of Use Groups R and I-1 shall have at least one operable window or exterior door approved for emergency egress or rescue. The units must be operable from the inside without the use of special knowledge or separate tools. Where windows are provided as means of egress or rescue they shall have a sill height not more than 44 inches (1118mm) above the floor. All egress or rescue windows from sleeping rooms shall have a minimum net clear opening height dimension of 24 inches (610mm). The minimum net clear opening width dimension shall be 20 inches (508mm), and a minimum net clear opening of 5.7 sq. ft. (Section 1010.4)
16. Each apartment shall have access to two (2) separate, remote and approved means of egress. A single exit is acceptable when it exits directly from the apartment to the building exterior with no communications to other apartment units. (Section 1010.1)
- *17. All vertical openings shall be enclosed with construction having a fire rating of at least one (1) hour, including fire doors with self closer's. (Over 3 stories in height requirements for fire rating is two (2) hours. (Section 710.0)
18. The boiler shall be protected by enclosing with (1) hour fire rated construction including fire doors and ceiling, or by providing automatic extinguishment. (Table 302.1.1)

19. All single and multiple station smoke detectors shall be of an approved type and shall be installed in accordance with the provisions of the City's Building Code Chapter 9, Section 920.3.2 (BOCA National Building Code/1996), and NFPA 101 Chapter 18 & 19. (Smoke detectors shall be installed and maintained at the following locations):

- In the immediate vicinity of bedrooms
- In all bedrooms
- In each story within a dwelling unit, including basements

* 20. A portable fire extinguisher shall be located as per NFPA #10. They shall bear the label of an approved agency and be of an approved type. (Section 921.0)

21. The Fire Alarm System shall maintained to NFPA #72 Standard.

22. The Sprinkler System shall maintained to NFPA #13 Standard.

* 23. All exit signs, lights and means of egress lighting shall be done in accordance with Chapter 10 Section & Subsections 1023.0 & 1024.0 of the City's Building Code. (The BOCA National Building Code/1996)

24. Section 25 - 135 of the Municipal Code for the City of Portland states, "No person or utility shall be granted a permit to excavate or open any street or sidewalk from the time of November 15 of each year to April 15 of the following year".

25. The builder of a facility to which Section 4594-C of the Maine State Human Rights Act Title 5 MRSA refers, shall obtain a certification from a design professional that the plans commencing construction of the facility, the builder shall submit the certification the Division of Inspection Services.

26. Ventilation shall meet the requirements of Chapter 12 Sections 1210.0 of the City's Building Code. (Crawl spaces & attics).

* 27. All electrical, plumbing and HVAC permits must be obtained by a Master Licensed holders of their trade. No closing in of walls until all electrical (min. 72 hours notice) and plumbing inspections have been done.

28. All requirements must be met before a final Certificate of Occupancy is issued.

29. All building elements shall meet the fastening schedule as per Table 2305.2 of the City's Building Code (The BOCA National Building Code/1996).

30. Ventilation of spaces within a building shall be done in accordance with the City's Mechanical code (The BOCA National Mechanical Code/1993). (Chapter M-16)

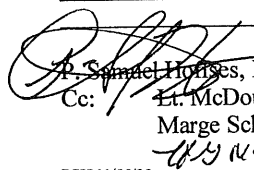
31. Please read and implement the attached Land Use Zoning report requirements. *see conditions on attached Development review notes*

* 32. Boring, cutting and notching shall be done in accordance with Sections 2305.3, 2305.3.1, 2305.4.4 and 2305.5.1 of the City's Building Code. *condit*

33. Bridging shall comply with Section 2305.16.

* 34. Glass and glazing shall meet the requirements of Chapter 24 of the building code. (Safety Glazing Section 2405.0)

35. All signage, shall be done in accordance with Section 3102.0 signs of the City's Building Code, (The BOCA National Building Code/1996).


P. Spindel-Horvath, Building Inspector

Cc: Lt. McDougall, PFD

Marge Schmuckal, Zoning Administrator

PSH 11/25/99

****On the basis of plans submitted and conditions placed on these plans any deviations shall require a separate approval.**

*****THIS PERMIT HAS BEEN ISSUED WITH THE UNDERSTANDING THAT ALL THE CONDITIONS OF THE APPROVAL SHALL BE COMPLETED. THEREFORE, BEFORE THE WORK IS COMPLETED A REVISED PLAN OR STATEMENT FROM THE PERMIT HOLDER SHALL BE SUBMITTED TO THIS OFFICE SHOWING OR EXPLAINING THAT THE CONDITIONS HAVE BEEN MET. IF THIS REQUIREMENT IS NOT RECEIVED YOUR CERTIFICATE OF OCCUPANCY SHALL BE WITHHELD.**

**CITY OF PORTLAND, MAINE
DEVELOPMENT REVIEW APPLICATION
PLANNING DEPARTMENT PROCESSING FORM
ADDENDUM**

19990150
I. D. Number

William Gribizis

Applicant

285 Clifton Street, Portland, ME 04103

Applicant's Mailing Address

SAA

Consultant/Agent

773-6034

Applicant or Agent Daytime Telephone, Fax

10/22/99

Application Date

Ocean Ave 1021

Project Name/Description

1021 Ocean Ave, Portland Maine 04103

Address of Proposed Site

415-B-004

Assessor's Reference: Chart-Block-Lot

DRC Conditions of Approval

Planning Conditions of Approval

Inspections Conditions of Approval

1. This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.
2. The 2nd floor office use shall be for back office use only or as accessory to the tenants who are warehousing.
3. The 2nd floor area shall not be used for living space of any kind. This zone prohibits residential uses.
4. Any new pavement shall be 10 feet from the boundary lines.

Fire Conditions of Approval

Application requires State Fire Marshal approval.

Applicant must show hydrant within 800' path of travel.

CITY OF PORTLAND, MAINE
DEVELOPMENT REVIEW APPLICATION
PLANNING DEPARTMENT PROCESSING FORM

19990147

I. D. Number

William Gribizis

Applicant

285 Clifton St, Portland, ME 04103

Applicant's Mailing Address

same as above

Consultant/Agent

773-6034

Applicant or Agent Daytime Telephone, Fax

10/15/99

Application Date

William Gribizis

Project Name/Description

1021 Ocean Ave

Address of Proposed Site

415-B-004

Assessor's Reference: Chart-Block-Lot

Proposed Development (check all that apply):

☒ Office ☒ Retail ☐ Manufacturing ☐ Warehouse/Distribution ☐ Parking Lot ☐ Other (specify) _____

1600

1

Proposed Building square Feet or # of Units

Acreage of Site

IM

Zoning

Check Review Required:

☒ Site Plan (major/minor) ☐ Subdivision # of lots _____ ☐ PAD Review ☐ 14-403 Streets Review
☐ Flood Hazard ☐ Shoreland ☐ Historic Preservation ☐ DEP Local Certification
☐ Zoning Conditional Use (ZBA/PB) ☐ Zoning Variance ☐ Other _____

Fees Paid: Site Plan \$400.00 Subdivision _____ Engineer Review _____ Date: _____

DRC Approval Status:

Reviewer Steve Bushey

☒ Approved ☐ Approved w/Conditions see attached ☐ Denied

Approval Date 12/3/99 Approval Expiration 12/3/00 Extension to _____ ☐ Additional Sheets Attached

☒ Condition Compliance Steve Bushey 12/7/99
signature date

Performance Guarantee

☐ Required*

☐ Not Required

* No building permit may be issued until a performance guarantee has been submitted as indicated below

☐ Performance Guarantee Accepted

date

amount

expiration date

☐ Inspection Fee Paid

date

amount

☐ Building Permit

date

☐ Performance Guarantee Reduced

date

remaining balance

signature

☐ Temporary Certificate Of Occupancy

date

☐ Conditions (See Attached)

☐ Final Inspection

date

signature

☐ Certificate Of Occupancy

date

☐ Performance Guarantee Released

date

signature

☐ Defect Guarantee Submitted

submitted date

amount

expiration date

☐ Defect Guarantee Released

date

signature

Site Review Pre-Application
Multi-Family/Attached Single Family Dwellings/Two-Family Dwelling
or Commercial Structures and Additions Thereto

In the interest of processing your application in the quickest possible manner, please complete the Information below for Site Plan Review

NOTEIf you or the property owner owes real estate or personal property taxes or user charges on ANY PROPERTY within the City, payment arrangements must be made before permits of any kind are accepted.**

<p>* <u>William Gribizis</u> <u>415-B-004</u> <u>10/15/99</u></p> <p>Applicant <u>285 CLIFTON ST.</u></p> <p>Applicant's Mailing Address <u>PORTLAND, ME 04103</u> <u>7736034</u></p> <p>Consultant/Agent <u>Contractor: owner = William Gribizis</u></p> <p>Applicant/Agent Daytime telephone and FAX _____</p> <p>Proposed Development (Check all that apply) _____ New Building <input checked="" type="checkbox"/> Building Addition _____ Change of Use _____ Residential _____ Office <input checked="" type="checkbox"/> Retail _____ _____ Manufacturing _____ Warehouse/Distribution _____ Other(Specify) _____</p> <p><u>1600</u> <u>1+</u></p> <p>Proposed Building Square Footage and /or # of Units Acreage of Site</p>	<p>Application Date _____</p> <p>Project Name/Description <u>1021 OCEAN AVE</u></p> <p>Address Of Proposed Site <u>04103</u></p> <p>Assessor's Reference, Chart#, Block, Lot# _____</p>
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You must Include the following with you application:

- 1) ~~A Copy of Your Deed or Purchase and Sale Agreement~~
- 2) 7 sets of Site Plan packages containing the information found in the attached sample plans and checklist.

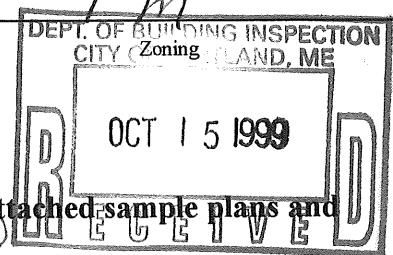
(Section 14-522 of the Zoning Ordinance outlines the process, copies are available for review at the counter, photocopies are \$ 0.25 per page)

I hereby certify that I am the Owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if an approval for the proposed project or use described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this approval at any reasonable hour to enforce the provisions of the codes applicable to this approval.

Signature of applicant: <u>William Gribizis</u>	Date: <u>10/15/99</u>
---	-----------------------

Site Review Fee: Major \$500.00 Minor 400.00

This application is for site review ONLY, a Building Permit application and associated fees will be required prior to construction.



NOTES

1. Gussets shall be $\frac{3}{4}$ " thick CDX plywood applied to both sides of truss.
2. Bolts shall be $\frac{3}{4}$ " diameter through bolts.
3. See Detail "D" for typical gusset plate requirements.
4. Add 2x4 to all truss members between gusset plates, nail at 1'-0" on center w/ 16d nails (staggered) & (2) nails at each end.
5. Reinforce three existing trusses.

2x4 BETWEEN
GUSSET PLATES

GUSSET
w/(4) BOLTS

GUSSET
w/(8) BOLTS

GUSSET
w/(4) BOLTS

EXIST.
TRUSS

EXIST.
WALL

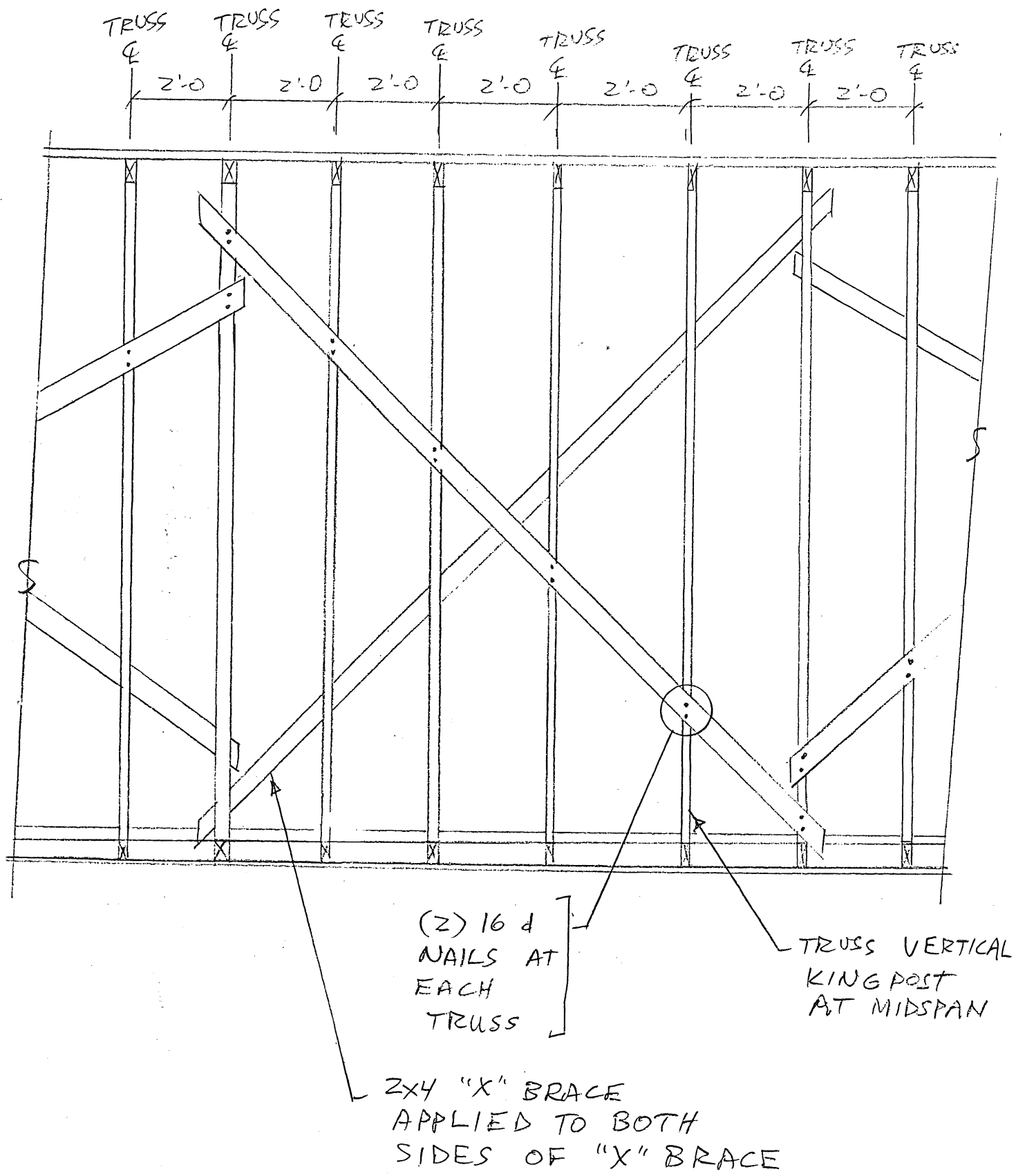
GUSSETS
w/(8) BOLTS

GUSSETS
w/(6) BOLTS

EXISTING TRUSS
REINFORCEMENT SECTION
Not to Scale

17
SK-21

SK-21



SECTION 16
Not to Scale SK-20

PERMIT # 002530 CITY OF Portland BUILDING PERMIT APPLICATION

Please fill out any part which applies to job. Proper plans must accompany form.

Owner: William Gribizis - 773-6034

Address: 285 Clifton St., Portland, ME 04103

LOCATION OF CONSTRUCTION 1021 Ocean Avenue

CONTRACTOR: owner S.B. CONTRACTORS:

ADDRESS:

Est. Construction Cost: 18,000.00 Type of Use: Commercial - Industrial

Past Use: new building storage

Building Dimensions L 80' W 40' Sq. Ft. 3200 Stories: 1 Lot Size: 51,000 S.F.

Is Proposed Use: Seasonal Condominium Apartment

Conversion - Explain To construct 40' x 80' building for industrial

storage, as per plan. Also, Minor Site Plan

COMPLETE ONLY IF THE NUMBER OF UNITS WILL CHANGE

Residential Buildings Only: Review

Of Dwelling Units 0 # Of New Dwelling Units Review

Foundations:

1. Type of Soil: Review Side(s) Review

2. Set Backs - Front: Review

3. Footings Size: Review

4. Foundation Size: Review

5. Other: Review

Floors:

1. Sills Size: Review Sills must be anchored.

2. Girder Size: Review Size: Review

3. Lally Column Spacing: Review Spacing 16" O.C.

4. Joists Size: Review Size: Review

5. Bridging Type: Review Size: Review

6. Floor Sheathing Type: Review

7. Other Material: Review

Exterior Walls:

1. Studding Size: Review Spacing: Review

2. No. windows: Review

3. No. Doors: Review Span(s): Review

4. Header Sizes: Review No. Review

5. Bracing: Yes No. Review

6. Corner Posts Size: Review Size: Review

7. Insulation Type: Review Size: Review

8. Sheathing Type: Review Weather Exposure: Review

9. Siding Type: Review

10. Masonry Materials: Review

11. Metal Materials: Review

Interior Walls:

1. Studding Size: Review Spacing: Review

2. Header Sizes: Review Span(s): Review

3. Wall Covering Type: Review

4. Fire Wall if required: Review

5. Other Materials: Review

MAP # LOT#

For Official Use Only

Subdivision: Yes / No

Date July 28, 1989
Inside Fire Limits
Bldg Code
Time Limit
Estimated Cost \$18,000.00
Value/Structure
For \$100.00 plus \$300.00 Minor Site Plan Review

PERMIT ISSUED
Lot
Block
Permit Expires Oct 6 1989
Ownership Public
City of Portland

Ceiling:

1. Ceiling J & S Size: Spacing
2. Ceiling Str. - ply Size
3. Type Ceiling: Size
4. Insulation Type
5. Ceiling Height:

Roof:

1. Truss or Rafter Size Span
2. Sheathing Type Size
3. Roof Covering Type
4. Other

Chimneys:

Type: Number of Fire Places

Heating:

Type of Heat:

Electrical:

Service Entrance Size: Smoke Detector Required Yes No

Plumbing:

1. Approval of soil test if required

2. No. of Tubs or Showers

3. No. of Flushes

4. No. of Lavatories

5. No. of Other Fixtures

Swimming Pools:

1. Type: Square Footage

2. Pool Size: x

3. Must conform to National Electrical Code and State Law.

Zoning:

District: Street Frontage Req: Provided

Required Setbacks: Front Back Side

Review Required:

Zoning Board Approval: Yes No Date:

Planning Board Approval: Yes No Date:

Conditional Use: Variance Site Plan Subdivision

Shore and Floodplain Mgmt. Special Exception

Other (Explain)

Date Approved

Permit Received By Date

Signature of Applicant Date

Signature of CEO Date

Inspection Dates

White Tag - CEO

Yellow-GPCOG

White-Tax Assessor

White Tag - CEO

Yellow-GPCOG

White-Tax Assessor

White Tag - CEO

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Applicant: William Gribizis

Date: 12/9/99

Address: 1021 Ocean Ave

C-B-L: 415-B-004

CHECK-LIST AGAINST ZONING ORDINANCE

Date - ~~Existing~~ (has single family dwelling & existing warehouse)

Zone Location - IM

Interior or corner lot -

Proposed Use/Work - Construct Addition 40x40 - 1st floor storage
2nd floor office

Sewage Disposal - private

Lot Street Frontage - 88' + shown

Front Yard - N/A

Rear Yard - 25' req - 25' + shown

Side Yard - 25' req - 25' + shown

Projections - ~~25' set back~~ stairs & Deck → actual on the rear

Width of Lot - 100' shown

Height - 2 story (75' max)

Lot Area - N/A $\sqrt{A} < 9$

Lot Coverage/ Impervious Surface - 75% off

Area per Family - N/A

Off-street Parking - 6 req - 6 + shown

Loading Bays - 1 shown

Site Plan - minor

19990150

Shoreland Zoning/ Stream Protection - N/A

Flood Plains - Zone X

pavement shall be 10' from boundary

all kitchenettes → shall not be residential
shall have 25' rear side setback from the stairs

CITY OF PORTLAND, MAINE
DEVELOPMENT REVIEW APPLICATION
PLANNING DEPARTMENT PROCESSING FORM

19990150

I. D. Number

William Gribizis

Applicant

285 Clifton Street, Portland, ME 04103

Applicant's Mailing Address

SAA

Consultant/Agent

773-6034

Applicant or Agent Daytime Telephone, Fax

10/22/99

Application Date

Ocean Ave 1021

Project Name/Description

1021 Ocean Ave, Portland Maine 04103

Address of Proposed Site

415-B-004

Assessor's Reference: Chart-Block-Lot

Proposed Development (check all that apply):
☐ Office ☒ Retail ☐ Manufacturing ☐ New Building ☒ Building Addition ☐ Change Of Use ☐ Residential
☐ Warehouse/Distribution ☐ Parking Lot ☐ Other (specify) _____

1600 sf

1+

IM

Proposed Building square Feet or # of Units

Acreage of Site

Zoning

Check Review Required:

- | | | | |
|--|---|--|--|
| <input checked="" type="checkbox"/> Site Plan
(major/minor) | <input type="checkbox"/> Subdivision
of lots _____ | <input type="checkbox"/> PAD Review | <input type="checkbox"/> 14-403 Streets Review |
| <input type="checkbox"/> Flood Hazard | <input type="checkbox"/> Shoreland | <input type="checkbox"/> Historic Preservation | <input type="checkbox"/> DEP Local Certification |
| <input type="checkbox"/> Zoning Conditional
Use (ZP, A/PB) | <input type="checkbox"/> Zoning Variance | <input type="checkbox"/> Other _____ | |

Fees Paid: Site Plan \$400.00 Subdivision _____ Engineer Review _____ Date: 10/22/99

Inspections Approval Status:

Reviewer _____

- | | | |
|---|--|--|
| <input type="checkbox"/> Approved | <input type="checkbox"/> Approved w/Conditions
see attached | <input type="checkbox"/> Denied |
| Approval Date _____ | Approval Expiration _____ | Extension to _____ |
| <input type="checkbox"/> Condition Compliance | signature _____ | date _____ |
| | | <input type="checkbox"/> Additional Sheets
Attached |

Performance Guarantee

☐ Required*

☐ Not Required

* No building permit may be issued until a performance guarantee has been submitted as indicated below

- | | | | |
|---|----------------|--|-----------------|
| <input type="checkbox"/> Performance Guarantee Accepted | _____ | _____ | _____ |
| | date | amount | expiration date |
| <input type="checkbox"/> Inspection Fee Paid | _____ | _____ | |
| | date | amount | |
| <input type="checkbox"/> Building Permit Issued | _____ | | |
| | date | | |
| <input type="checkbox"/> Performance Guarantee Reduced | _____ | _____ | _____ |
| | date | remaining balance | signature |
| <input type="checkbox"/> Temporary Certificate of Occupancy | _____ | <input type="checkbox"/> Conditions (See Attached) | |
| | date | | |
| <input type="checkbox"/> Final Inspection | _____ | _____ | |
| | date | signature | |
| <input type="checkbox"/> Certificate Of Occupancy | _____ | | |
| | date | | |
| <input type="checkbox"/> Performance Guarantee Released | _____ | _____ | |
| | date | signature | |
| <input type="checkbox"/> Defect Guarantee Submitted | _____ | _____ | _____ |
| | submitted date | amount | expiration date |

Ocean Ave 1021

CITY OF PORTLAND, MAINE
DEVELOPMENT REVIEW APPLICATION
PLANNING DEPARTMENT PROCESSING FORM

19990150
I. D. Number

William Gribizis

Applicant

285 Clifton Street, Portland, ME 04103

Applicant's Mailing Address

SAA

Consultant/Agent

773-6034

Applicant or Agent Daytime Telephone, Fax

10/22/99

Application Date

Ocean Ave 1021

Project Name/Description

1021 Ocean Ave, Portland Maine 04103

Address of Proposed Site

415-B-004

Assessor's Reference: Chart-Block-Lot

Proposed Development (check all that apply):

☐ Office ☒ Retail ☐ Manufacturing ☐ Warehouse/Distribution ☐ Parking Lot ☐ Other (specify) _____

1600 sf

1+

IM

Proposed Building square Feet or # of Units

Acreage of Site

Zoning

Check Review Required:

☒ Site Plan (major/minor) ☐ Subdivision # of lots _____ ☐ PAD Review ☐ 14-403 Streets Review
☐ Flood Hazard ☐ Shoreland ☐ Historic Preservation ☐ DEP Local Certification
☐ Zoning Conditional Use (ZBA/PB) ☐ Zoning Variance ☐ Other _____

Fees Paid: Site Plan \$400.00 Subdivision _____ Engineer Review _____ Date: 10/22/99

Fire Approval Status:

Reviewer Lt. Mc Dougall

☐ Approved ☒ Approved w/Conditions see attached ☐ Denied

Approval Date 10/25/99 Approval Expiration _____ Extension to _____ ☒ Additional Sheets Attached

☒ Condition Compliance Lt. Mc Dougall 10/25/99
signature date

Performance Guarantee

☐ Required*

☐ Not Required

* No building permit may be issued until a performance guarantee has been submitted as indicated below

<input type="checkbox"/> Performance Guarantee Accepted	_____	_____	_____
	date	amount	expiration date
<input type="checkbox"/> Inspection Fee Paid	_____	_____	
	date	amount	
<input type="checkbox"/> Building Permit Issued	_____		
	date		
<input type="checkbox"/> Performance Guarantee Reduced	_____	_____	_____
	date	remaining balance	signature
<input type="checkbox"/> Temporary Certificate of Occupancy	_____	<input type="checkbox"/> Conditions (See Attached)	
	date		
<input type="checkbox"/> Final Inspection	_____	_____	
	date	signature	
<input type="checkbox"/> Certificate of Occupancy	_____		
	date		
<input type="checkbox"/> Performance Guarantee Released	_____	_____	
	date	signature	
<input type="checkbox"/> Defect Guarantee Submitted	_____	_____	_____
	submitted date	amount	expiration date
<input type="checkbox"/> Defect Guarantee Released	_____	_____	
	date	signature	



March 25, 1993

William G Gribizis

285 Clifton Street
Portland ME 04103 4614

KMC LOAN NO.: 845286-6

The above referenced loan was paid in full on 03-11-93. Enclosed are the indicated documents.

Mortgage Note: x

Mortgage Deed: x

Release Document:

Recording Instructions:

Other:

These documents are for your records unless otherwise specified.

We would like to take this opportunity to thank you for your business.

Knutson Mortgage Corporation
1-800-648-4800

SMM
PD004 013

LOAN NUMBER: 845286-6

ADJUSTABLE RATE NOTE
1 Year Treasury Index—Rate Caps

457828052

THIS NOTE CONTAINS PROVISIONS ALLOWING FOR CHANGES IN MY INTEREST RATE AND MY MONTHLY PAYMENT. THIS NOTE LIMITS THE AMOUNT MY INTEREST RATE CAN CHANGE AT ANY ONE TIME AND THE MAXIMUM RATE I MUST PAY.

August 23, 19 89 Portland, Maine
(City) (State)
1021 Ocean Avenue, Portland, Maine 04103
(Property Address)

1. BORROWER'S PROMISE TO PAY

In return for a loan that I have received, I promise to pay U.S. \$ 102,400.00 (this amount is called "principal"), plus interest, to the order of the Lender. The Lender is Home Owners Savings Bank F.S.B.

I understand that the Lender may transfer this Note. The Lender or anyone who takes this Note by transfer and who is entitled to receive payments under this Note is called the "Note Holder."

2. INTEREST

Interest will be charged on unpaid principal until the full amount of principal has been paid. I will pay interest at a yearly rate of 9.95 %. The interest rate I will pay will change in accordance with Section 4 of this Note.

The interest rate required by this Section 2 and Section 4 of this Note is the rate I will pay both before and after any default described in Section 7(B) of this Note.

3. PAYMENTS

(A) Time and Place of Payments

I will pay principal and interest by making payments every month.

I will make my monthly payments on the first day of each month beginning on October 1, 19 89. I will make these payments every month until I have paid all of the principal and interest and any other charges described below that I may owe under this Note. My monthly payments will be applied to interest before principal. If, on September 1, 2014, I still owe amounts under this Note, I will pay those amounts in full on that date, which is called the "maturity date."

I will make my monthly payments at 21 Milk Street, Boston, MA 02109

or at a different place if required by the Note Holder.

(B) Amount of My Initial Monthly Payments

Each of my initial monthly payments will be in the amount of U.S. \$ 926.90. This amount may change.

(C) Monthly Payment Changes

Changes in my monthly payment will reflect changes in the unpaid principal of my loan and in the interest rate that I must pay. The Note Holder will determine my new interest rate and the changed amount of my monthly payment in accordance with Section 4 of this Note.

4. INTEREST RATE AND MONTHLY PAYMENT CHANGES

(A) Change Dates

The interest rate I will pay may change on the first day of September 19 90, and on that day every 12th month thereafter. Each date on which my interest rate could change is called a "Change Date."

(B) The Index

Beginning with the first Change Date, my interest rate will be based on an Index. The "Index" is the weekly average yield on United States Treasury securities adjusted to a constant maturity of 1 year, as made available by the Federal Reserve Board. The most recent Index figure available as of the date 45 days before each Change Date is called the "Current Index."

If the Index is no longer available, the Note Holder will choose a new index which is based upon comparable information. The Note Holder will give me notice of this choice.

(C) Calculation of Changes

Before each Change Date, the Note Holder will calculate my new interest rate by adding Three and One Quarter percentage points (3.25 %) to the Current Index. The Note Holder will then round the result of this addition to the nearest one-eighth of one percentage point (0.125%). Subject to the limits stated in Section 4(D) below, this rounded amount will be my new interest rate until the next Change Date.

The Note Holder will then determine the amount of the monthly payment that would be sufficient to repay the unpaid principal that I am expected to owe at the Change Date in full on the maturity date at my new interest rate in substantially equal payments. The result of this calculation will be the new amount of my monthly payment.

(D) Limits on Interest Rate Changes

The interest rate I am required to pay at the first Change Date will not be greater than 11.95 % or less than 7.95 %. Thereafter, my interest rate will never be increased or decreased on any single Change Date by more than Two percentage points (2.00 %) from the rate of interest I have been paying for the preceding twelve months. My interest rate will never be greater than 15.95 %.

(E) Effective Date of Changes

My new interest rate will become effective on each Change Date. I will pay the amount of my new monthly payment beginning on the first monthly payment date after the Change Date until the amount of my monthly payment changes again.

(F) Notice of Changes

The Note Holder will deliver or mail to me a notice of any changes in my interest rate and the amount of my monthly payment. The notice will include information required by law to be given me and also the title and

7. BORROWER'S FAILURE TO PAY AS REQUIRED

(A) Late Charges for Overdue Payments

If the Note Holder has not received the full amount of any monthly payment by the end of 15 calendar days after the date it is due, I will pay a late charge to the Note Holder. The amount of the charge will be 5.00 % of my overdue payment of principal and interest. I will pay this late charge promptly but only once on each late payment.

(B) Default

If I do not pay the full amount of each monthly payment on the date it is due, I will be in default.

(C) Notice of Default

If I am in default, the Note Holder may send me a written notice telling me that if I do not pay the overdue amount by a certain date, the Note Holder may require me to pay immediately the full amount of principal which has not been paid and all the interest that I owe on that amount. That date must be at least 30 days after the date on which the notice is delivered or mailed to me.

(D) No Waiver By Note Holder

Even if, at a time when I am in default, the Note Holder does not require me to pay immediately in full as described above, the Note Holder will still have the right to do so if I am in default at a later time.

(E) Payment of Note Holder's Costs and Expenses

If the Note Holder has required me to pay immediately in full as described above, the Note Holder will have the right to be paid back by me for all of its costs and expenses in enforcing this Note to the extent not prohibited by applicable law. Those expenses include, for example, reasonable attorneys' fees.

8. GIVING OF NOTICES

Unless applicable law requires a different method, any notice that must be given to me under this Note will be given by delivering it or by mailing it by first class mail to me at the Property Address above or at a different address if I give the Note Holder a notice of my different address.

Any notice that must be given to the Note Holder under this Note will be given by mailing it by first class mail to the Note Holder at the address stated in Section 3 (A) above or at a different address if I am given a notice of that different address.

9. OBLIGATIONS OF PERSONS UNDER THIS NOTE

If more than one person signs this Note, each person is fully and personally obligated to keep all of the promises made in this Note, including the promise to pay the full amount owed. Any person who is a guarantor, surety or endorser of this Note is also obligated to do these things. Any person who takes over these obligations, including the obligations of a guarantor, surety or endorser of this Note, is also obligated to keep all of the promises made in this Note. The Note Holder may enforce its rights under this Note against each person individually or against all of us together. This means that any one of us may be required to pay all of the amounts owed under this Note.

10. WAIVERS

I and any other person who has obligations under this Note waive the rights of presentment and notice of dishonor. "Presentment" means the right to require the Note Holder to demand payment of amounts due. "Notice of dishonor" means the right to require the Note Holder to give notice to other persons that amounts due have not been paid.

11. UNIFORM SECURED NOTE

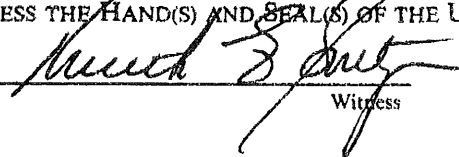
This Note is a uniform instrument with limited variations in some jurisdictions. In addition to the protections given to the Note Holder under this Note, a Mortgage, Deed of Trust or Security Deed (the "Security Instrument"), dated the same date as this Note, protects the Note Holder from possible losses which might result if I do not keep the promises which I make in this Note. That Security Instrument describes how and under what conditions I may be required to make immediate payment in full of all amounts I owe under this Note. Some of those conditions are described as follows:

Transfer of the Property or a Beneficial Interest in Borrower. If all or any part of the Property or any interest in it is sold or transferred (or if a beneficial interest in Borrower is sold or transferred and Borrower is not a natural person) without Lender's prior written consent, Lender may, at its option, require immediate payment in full of all sums secured by this Security Instrument. However, this option shall not be exercised by Lender if exercise is prohibited by federal law as of the date of this Security Instrument. Lender also shall not exercise this option if: (a) Borrower causes to be submitted to Lender information required by Lender to evaluate the intended transferee as if a new loan were being made to the transferee; and (b) Lender reasonably determines that Lender's security will not be impaired by the loan assumption and that the risk of a breach of any covenant or agreement in this Security Instrument is acceptable to Lender.

To the extent permitted by applicable law, Lender may charge a reasonable fee as a condition to Lender's consent to the loan assumption. Lender may also require the transferee to sign an assumption agreement that is acceptable to Lender and that obligates the transferee to keep all the promises and agreements made in the Note and in this Security Instrument. Borrower will continue to be obligated under the Note and this Security Instrument unless Lender releases Borrower in writing.

If Lender exercises the option to require immediate payment in full, Lender shall give Borrower notice of acceleration. The notice shall provide a period of not less than 30 days from the date the notice is delivered or mailed within which Borrower must pay all sums secured by this Security Instrument. If Borrower fails to pay these sums prior to the expiration of this period, Lender may invoke any remedies permitted by this Security Instrument without further notice or demand on Borrower.

WITNESS THE HAND(S) AND SEAL(S) OF THE UNDERSIGNED.


Witness


William G. Grubizis

(Seal)
Borrower

PAY TO THE ORDER OF
WITHOUT RECOURSE

This _____ day of _____

(Seal)
Borrower

1021 OLEN AVE
WILLIAM GRIBIZIS

1. 1ST FLOOR WILL BE USED AS
STORAGE
2ND FLOOR WILL HAVE TWO OFFICES
2. A. TOTAL LAND AREA 48,000 S/F
B. TOTAL BUILDING AREA 1600 S/F
3. NONE
4. NONE
5. CITY WATER, SEPTIC
6. THE 11 YRS I HAVE OWNED THE
PROPERTY THERE HAS BEEN NO
PROBLEM WITH SURFACE WATER RUN OFF.
7. SEE PLAN
8. NONE
9. THERE WILL BE NO FINANCING
- 10.
11. NONE

1021 OCEAN AVE

I AM ADDING TO MY EXISTING BUILDING A 40X40 ADDITION. WHICH WILL HOUSE STORAGE ON THE FIRST FLOOR AND TWO OFFICES ON THE SECOND FLOOR.

THIS ADDITION WILL BE BUILT ON THE REAR OF THE EXISTING BUILDING WITH AT LEAST 20 FEET ^{AWAY} TO EACH SIDE OF THE ABUTTING PROPERTIES AND AT LEAST 150' FEET SET BACK TO THE REAR.

GRIBIZIS ADDITION

**1021 Ocean Avenue
Portland, Maine
PSE Project No. 119-99**

**STRUCTURAL DRAWINGS,
SPECIFICATIONS, AND SKETCHES**

**Drawings S1 and S2
Sketches SK-1 thru SK-22**

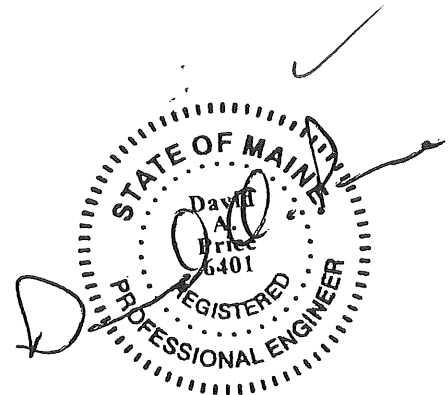
Prepared for:

Bill Gribizis
285 Clifton Street
Portland, ME 04103
Tel: (207) 773-6034

Prepared by:

David A. Price, P.E.
Price Structural Engineers
75 Farms Edge Road
North Yarmouth, ME 04097
Tel: (207) 846-0099
Fax: (207) 846-1633

August 25, 1999



40' x 40' ADDITION FOR BILL GRIBIZIS
Project Location: 1021 Ocean Avenue; Portland, Maine
August 23, 1999

GENERAL STRUCTURAL NOTES

DIVISION 1 – GENERAL REQUIREMENTS

Section 01010 – Summary of Work

1. Work of this Contract is comprised of the structural framing and foundation for a new 40' x 40' addition at the above referenced project location. Elevated floor is designed for a 50 psf office live load. *OK*
2. Work and materials shall conform to the 1996 BOCA National Building Code, State of Maine Building Codes, and other applicable codes and standards and shall meet the requirements of local authorities having jurisdiction.
3. Coordinate work schedule, daily hours of construction, location of material storage, access to utilities, and final cleanup requirements with owner prior to construction. *✓*
4. Structural drawings and specifications do not include provisions for sitework, watertightness of building, NFPA fire code requirements, Americans with Disabilities Act (ADA) requirements, egress requirements, or other architectural features. *✓*
5. The following list of drawings and sketches form a part of this specification: *✓*
 - S1 Foundation and 2nd Floor Framing Plan *✓*
 - S2 Roof Plan
 - Structural Sketches SK-1 through SK-22 (attached to this specification)
6. The structural design is based on the full interaction of all its connected parts. No provisions have been made for any temporary conditions that may arise during construction prior to the completion of the structure. The Contractor shall be responsible for adequate design and construction of all forms, shoring and temporary bracing during the progress of the project. *✓*
7. Alternate connection details may be used if such details are submitted to the Structural Engineer for review and acceptance is granted. However, the Structural Engineer shall be the sole judge of acceptability and the Contractor's Bid shall anticipate the use of those specific details shown on the Drawings. The Contractor shall be responsible for the design of any alternate details which he proposes. *✓*

8. The Contractor shall be completely responsible for the safety of adjacent structures, property, and the public. The Contractor shall comply with all federal, state and local requirements. ✓
9. Do not scale from Drawings. ✓
10. All materials shall be new except those labeled "EXG" (existing). ✓
11. Work not indicated on a part of the Drawings but reasonably implied to be similar to that shown at corresponding places shall be included. ✓
12. Any modification or alteration of these Construction Documents or changes in construction from the intent of these documents by the Contractor without written approval of the Engineer shall remove all professional and liable responsibility on the part of the Engineer. ✓
13. The Contractor is required to examine the Drawing and Specifications carefully, visit the site and fully inform themselves as to all existing conditions and limitations, prior to submitting their Bid. Failure to visit the site and familiarize themselves with the existing conditions, interferences and other limitations will in no way relieve the successful Bidder from furnishing any materials or performing any work in accordance with Drawings and specifications (at no additional cost to the Owner). ✓
14. Contractor shall obtain all necessary permits prior to proceeding with construction. Coordinate temporary dust enclosure requirements and security requirements with Owner. Submit detailed construction schedule to Owner prior to construction. ✓
15. Remove and legally dispose of demolished materials.
16. Contractor shall take all necessary precautions to ensure that existing building components are not damaged during construction. All damaged areas shall be completely restored to the full satisfaction of the Owner at no additional cost to the Owner. ✓
17. Stored materials shall be kept under cover and dry. Protect from weather and contact with damp or wet surfaces. Stack materials in such a manner that prevents warping or crushing. ✓
18. Pre-manufactured materials shall be installed in accordance with manufacturer's requirements and recommendations. ✓
19. Except where slope is specified, new materials shall be installed plumb, level, and square. ✓

20. Substitutions for specified pre-manufactured materials may be made but only after specific written approval has been provided by the owner's engineer prior to installation.

DIVISION 2 – FOUNDATIONS

Section 02200 – Foundations and Backfill

1. Foundation excavations shall extend to undisturbed soil capable of providing sound, stable bearing below footings. Engineer assumes no responsibility for subsurface soil conditions. Owner is advised to obtain the services of a qualified geotechnical engineer. ✓
2. No footings shall be placed in water or on frozen ground. ✓
3. Foundations shall be carried down a minimum of 5 ft – 0 in. below grade, and shall be configured per Structural Drawings to resist uplifting during freeze thaw cycles. ✓
4. Contractor will inspect and certify excavation bottoms, footing bearings, and structural backfill for conformance with Specifications and applicable codes. ✓
5. Structural fill adjacent to foundations shall be a coarse granular material consisting of hard, durable, angular material conforming to the following gradation (MDOT 703.06 – Type B Aggregate):

<u>Sieve Size</u>	<u>% Passing by Weight</u>
4 in.	100
½ in.	35-75
¼ in.	25-60
No. 40	0-25
No. 200	0-5

 ✓

6. Structural backfill shall be placed to 95% of maximum density compaction as determined by ASTM D 1557. Lifts shall be no greater than 6 in. each and compacted with a vibratory compactor at each lift. ✓

DIVISION 3 - CONCRETE

Section 03300 – Cast-in-Place Concrete

1. All concrete work shall conform to American Concrete Institute (ACI) "Specifications for Structural Concrete for Buildings" (ACI 301) and "Building Code Requirements for Reinforced Concrete" (ACI 318). ✓
2. All concrete slabs shall have a minimum compressive strength of 4000 psi at 28 days, with water/cement ratio not exceeding 0.45. Concrete shall be made with ¾" stone aggregate; shall have 5-7% air entrainment; shall be made with Type I ✓

- or Type II cement; and shall have a 3"-4" slump. Concrete for slabs shall contain polypropylene fibers engineered for use in concrete complying with ASTM-C116, Type III, ½" to 1 ½" long, 1.5 pounds per cubic yd. ✓
3. Other concrete shall be as specified above in Note 2, except that the minimum compressive strength may be reduced to 3000 psi at 28 days, and polypropylene fibers may be omitted. ✓
 4. Shop Drawings shall be prepared and submitted for all steel reinforcing within concrete. ✓
 5. No foundations shall be placed in water or on frozen ground. ✓
 6. All embedments in concrete, including anchor bolts, shall be firmly secured by tie wire to prevent movement during concrete placement. ✓
 7. All concrete materials, reinforcement and forms shall be free from frost or debris. ✓
 8. Concrete shall be maintained above 50 degrees F, and in moist condition for at least the first seven days after placement. ✓
 9. Consolidate all concrete with a vibrator or other means recommended by ACI 301. ✓
 10. All concrete reinforcing bars shall conform to ASTM A615, Grade 60. ✓
 11. Reinforcing bars may not be welded except where designated in writing by the Structural Engineer. ✓
 12. Vapor barrier below slabs on grade shall be "Vaporshield" by J-Pro. ✓
 13. Apply curing compound to slab surface in accordance with manufacturer's guidelines. ✓

DIVISION 5 - METALS

Section 05120 – Structural Steel

1. All structural steel work shall conform to the recommendations and requirements contained in the "Manual of Steel Construction, Allowable Stress Design," AISC Ninth Edition (including AISC Code of Standard Practice for Steel Buildings and Bridges), and "Structural Steel Welding Code – Steel," (AWS D1.1, latest edition). ✓
2. No change in size or position of the structural elements shall be made without prior written approval of the Structural Engineer. ✓

3. Temporary erection bracing shall be provided to hold structural steel securely in position. Remove temporary bracing and connections only after permanent members are in place and final connections are in place. ✓
4. Shop connections unless otherwise noted, shall be made by welding. Connect structural steel components together using high strength bolts, ¾-inch diameter A325N "Tension-Control" type bolts (fully tensioned shear/bearing). ✓
5. All shop and field welds shall be made by certified welders, and shall conform to the American Welding Society Code, AWS D1.1, latest edition, using E70-18 electrodes. Carefully control welding technique to avoid distortion, including clamping prior to welding. Minimum weld size shall be 3/16" fillet. ✓
6. Shop drawings for steel shall be submitted for review and approval. Connections shown on these Drawings are generally schematic. They are intended to define the spatial relationship of the framed members and show a feasible method of making the connections. Any connection that is not shown or is not completely detailed on the Structural Drawings shall be designed by a licensed Professional Engineer in the state of Maine retained by the fabricator. Beam-to-beam and beam-to-post connections shall be designed for an end reaction equal to one-half the uniform load capacity of the beam as given in Part 2 ("Beams and Girders") of the AISC Manual, 9th Edition. Minimum shear capacity of 12 kips shall be provided. Completely detailed means the following information is shown on the Shop Detail Drawings for review by the engineer: ✓
 - a) All plate dimensions and grades. ✓
 - b) All weld sizes, pitches, and returns. ✓
 - c) All hole sizes and spacings. ✓
 - d) Number and type of bolts: Where bolts are shown but no number is given, the connection has not been completely detailed. ✓
 - e) Where partial information is given, it shall be the minimum requirement for the connection. ✓
 - f) Minimum plate thickness shall be ¼". ✓
7. Structural steel components shall be shop primed with fabricator's standard primer, except that structural steel exposed to weather shall be primed with Tnemec 90-97 primer (steel shall have SP-6 blast finish). Provide field touch-up as necessary. ✓

8. Structural steel rolled shapes, plates, bars and tubes shall conform to the following:

ASTM A-572, Grade 50: All wide flange sections ("W" shapes), $F_y = 50$ ksi
ASTM A-36: Other rolled shapes, plates and bars, $F_y = 36$ ksi
ASTM A-500, Grade B: Steel Tubes ("TS" shapes), $F_y = 46$ ksi
ASTM A-53, Grade B: Steel pipe, $F_y = 35$ ksi
ASTM A-36: Threaded rods
ASTM A-307: Anchor bolts in concrete (unless otherwise noted)

Note: Bolts and rods exposed to weather shall be galvanized.

9. Non-shrink grout shall be 5000 psi (minimum) compression strength.
10. Coordinate final painting of steel components with owner's requirements.

DIVISION 6 - WOOD

Section 06000 - Carpentry (General)

1. Lumber shall bear the grade and trademark of the association under whose rules it is produced and a mark of mill identification. Lumber shall be sound, seasoned, kiln-dried to a moisture content not exceeding 19% and surfaced four sides.
 - a) Pressure Treated (PT) lumber shall be Southern Yellow Pine, Number 2 grade.
 - b) Except as noted above or designated otherwise, remaining lumber shall be No. 2 grade Spruce, Pine, Fir, planed four sides.
2. Lumber and wood in exterior applications, at sills, at porches and in contact with concrete and masonry shall be pressure treated using CCA preservative with a minimum net retention of 0.40 pcf.
 - a) All fasteners (including nails, lag screws, and bolts) for pressure treated lumber shall be hot-dip galvanized.
 - b) Cut ends of pressure treated (PT) lumber and timber posts and sills shall be dipped in a preservative treatment for a minimum of fifteen minutes.
3. Fabricate horizontal and inclined members, units of less than 1:1 slope, with natural convex bow (crown) up to provide camber.
4. Carpentry work shall comply with AFPA's "National Design Specification for Wood Construction," 1991 Edition. Wood components shall be securely attached with sound connections and without splitting. As a minimum, wood fasteners

- shall conform to BOCA 1996, Table 2305.2, "Fastening Schedule" unless otherwise noted. ✓
5. Reference to "Simpson" on Drawings indicates metal connectors manufactured by Simpson Strong-Tie. ✓
 6. At locations where portions of wood floor or roof deck are added or replaced, the finish floor elevation of the new wood deck shall match the adjacent existing wood floor elevation. ✓
 7. Plywood for floors and roof shall be installed with both suitable adhesive and 10d nails at 6" o.c. at supported edges and 12" o.c. elsewhere. ✓
 8. Floor framing around chase openings for mechanical ducts and stairs shall consist of the following (unless otherwise noted): ✓
 - a) Double floor length members and joists each side of opening with member depth same as adjacent floor framing. ✓
 - b) Members connected with Simpson double joist hangers. ✓
 9. Plywood for floors shall be $\frac{3}{4}$ " thick, APA rated sheathing with 48/24 span rating, tongue and groove. Use full size sheets as much as possible. ✓
 10. Plywood for roofs shall be $\frac{3}{4}$ " thick, APA rated sheathing with 48/24 span rating. Install "H" clips where recommended by APA. Use full size sheets as much as possible. ✓
 11. Plywood end joints for floors and roof shall be staggered. Plywood surface grain shall be transverse to joist span. ✓
 12. Exterior wall sheathing shall be 5/8" thick, APA rated sheathing suitable for exterior use. Use full size sheets as much as possible. Wall sheathing shall be fastened with galvanized 10d common nails having 6" spacing at supported edges and 12" spacing elsewhere.
 13. Cornerboards, fascias, soffits, and other exterior finish trim shall be 5/4" Western Red Cedar, No. 1 Grade (unless authorized otherwise by the owner).
 14. Air infiltration barrier between exterior plywood sheathing and wood siding shall be Tyvek Housewrap, manufactured by DuPont Company or approved equal.
 15. All sheathing shall conform to APA "Plywood Specification Grade Guide" and Product Standard PS-1. Plywood construction shall conform to APA Design/Construction Guide – Residential and Commercial, Form E30B for required applications.

16. Provide additional temporary bracing (not shown on drawings) for trusses as recommended by Truss Plate Institute (TPI). ✓
17. Trusses shall be anchored to top of walls with Simpson H2.5 Hurricane Ties at each end. ✓
18. Stair width shall not exceed 4'-0" wide and shall be supported by (3) 2x12 stringers, equally spaced. Center stringer shall be reinforced with a continuous 2x4 nailed to both sides, and outside stringers shall have continuous 2x4 nailed to one side. Spacing between supports for stringers shall not exceed 6'-4" on center. Upper ends of stringers shall be supported by either suitable steel joist hangers or continuous wood ledger. ✓

Section 06192 – Metal-Plate Connected Wood Trusses**PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:
1. Triangular-pitched roof trusses.
 2. Scissor roof trusses.
 3. Truss accessories.

1.3 DEFINITIONS

- A. Metal-plate-connected wood trusses include planar structural units consisting of metal-plate-connected members fabricated from dimension lumber and cut and assembled before delivery to Project site.

1.4 PERFORMANCE REQUIREMENTS

- A. Structural Performance: Engineer, fabricate, and erect metal-plate-connected wood trusses to withstand design loads within limits and under conditions required.
1. Design Loads: As indicated.
 2. Design trusses to withstand design loads without deflections greater than the following:
 - a. Roof Trusses: Vertical deflection of $1/240$ of span due to total load.
- B. Engineering Responsibility: Engage a fabricator who uses a qualified professional engineer to prepare calculations, Shop Drawings, and other structural data for metal-plate-connected wood trusses.

1.5 SUBMITTALS

- A. General: Submit each item in this Article according to the Conditions of the Contract and Division 1 Specification Sections.
- B. Product Data for lumber, metal-plate connectors, metal framing connectors, bolts, and fasteners.

- C. Shop Drawings detailing location, pitch, span, camber, configuration, and spacing for each type of truss required; species, sizes, and stress grades of lumber to be used; splice details; type, size, material, finish, design values, and orientation and location of metal connector plates; and bearing details.
 - 1. To the extent truss design considerations are indicated as fabricator's responsibility, include structural analysis data signed and sealed by the qualified professional engineer responsible for their preparation.
 - 2. Include truss Shop Drawings signed and sealed by the qualified professional engineer responsible for their preparation.
- D. Product certificates signed by officer of truss fabricating firm certifying that metal-plate-connected wood trusses supplied for Project comply with specified requirements and Shop Drawings.
- E. Qualification data for firms and persons specified in "Quality Assurance" Article to demonstrate their capabilities and experience. Include lists of completed projects with project names and addresses, names and addresses of architects and owners, and other information specified.
- F. Material test reports from a qualified independent testing agency indicating and interpreting test results relative to compliance of fire-retardant-treated wood products with requirements indicated.
- G. Warranty of chemical treatment manufacturer for each type of treatment.
- H. Material certificates for dimension lumber specified to comply with minimum allowable unit stresses. Indicate species and grade selected for each use and design values approved by the American Lumber Standards Committee (ALSC) Board of Review.
- I. For fire-retardant-treated wood products, include certification by treating plant that treated materials comply with specified standard and other requirements as well as data relative to bending strength, stiffness, and fastener-holding capacities of treated materials.
- J. Research or evaluation reports of the model code organization acceptable to authorities having jurisdiction that evidence the following products' compliance with building code in effect for Project.
 - 1. Fire-retardant-treated wood.
 - 2. Metal-plate connectors.
 - 3. Metal framing connectors.

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: Engage an experienced Installer who has completed wood truss installation similar in material, design, and extent to that indicated for this Project and with a record of successful in-service performance.
- B. Fabricator's Qualifications: Engage a firm that complies with the following requirements for quality control and is experienced in fabricating metal-plate-connected wood trusses similar to those indicated for this Project and with a record of successful in-service performance:

1. Fabricator participates in a recognized quality-assurance program that involves inspection by SPIB; Timber Products Inspection, Inc.; Truss Plate Institute (TPI); or other independent inspecting and testing agency acceptable to Architect and authorities having jurisdiction.
- C. Comply with applicable requirements and recommendations of the following publications:
1. ANSI/TPI 1, "National Design Standard for Metal-Plate-Connected Wood Truss Construction."
 2. TPI HIB "Commentary and Recommendations for Handling Installing & Bracing Metal Plate Connected Wood Trusses."
 3. TPI DSB "Recommended Design Specification for Temporary Bracing of Metal Plate Connected Wood Trusses."
- D. Metal-Plate Connector Manufacturer's Qualifications: A manufacturer that is a member of TPI and that complies with TPI quality-control procedures for manufacture of connector plates published in ANSI/TPI 1.
- E. Single-Source Responsibility for Connector Plates: Provide metal connector plates from one source and by a single manufacturer.
- F. Wood Structural Design Standard: Comply with applicable requirements of AFPA's "National Design Specification for Wood Construction" and its "Supplement."
- G. Single-Source Engineering Responsibility: Provide trusses engineered by metal-plate connector manufacturer to support superimposed dead and live loads indicated, with design approved and certified by a qualified professional engineer.
- H. Professional Engineer Qualifications: A professional engineer who is legally authorized to practice in the jurisdiction where Project is located and who is experienced in providing engineering services of the kind indicated that have resulted in installing metal-plate-connected wood trusses similar to those indicated for this Project and with a record of successful in-service performance.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Handle and store trusses with care and comply with manufacturer's written instructions and TPI recommendations to avoid damage and lateral bending.
- B. Inspect trusses showing discoloration, corrosion, or other evidence of deterioration. Discard and replace trusses that are damaged or defective.

1.8 SEQUENCING AND SCHEDULING


- A. Time delivery and erection of trusses to avoid extended on-site storage and to avoid delaying progress of other trades whose work must follow erection of trusses.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
- B. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Fire-Retardant-Treated Materials, Interior Type A:
 - a. Baxter: J. H. Baxter Co.
 - b. Chemical Specialties, Inc.
 - c. Continental Wood Preservers, Inc.
 - d. Hickson Corporation.
 - e. Hoover Treated Wood Products, Inc.
 - 2. Fire-Retardant-Treated Materials, Exterior Type:
 - a. American Wood Treaters, Inc.
 - b. Hoover Treated Wood Products, Inc.
 - 3. Metal Connector Plates:
 - a. Alpine Engineered Products, Inc.
 - b. Computrus, Inc.
 - c. Mitek Industries, Inc.
 - d. Robbins Manufacturing Company.
 - e. Tee-Lok Corporation.
 - f. Truswal Systems Corporation.
 - 4. Metal Framing Anchors:
 - a. Cleveland Steel Specialty Co.
 - b. Harlen Metal Products, Inc.
 - c. Silver Metal Products, Inc.
 - d. Simpson Strong-Tie Company, Inc.
 - e. Southeastern Metals Manufacturing Co., Inc.
 - f. United Steel Products Co.

2.2 DIMENSION LUMBER

- A. Lumber Standards: Comply with DOC PS 20, "American Softwood Lumber Standard," and with applicable grading rules of inspection agencies certified by ALSC's Board of Review.
 - B. Inspection Agencies: Inspection agencies, and the abbreviations used to reference them, include the following:
 - 1. NELMA - Northeastern Lumber Manufacturers Association.
 - 2. NLGA - National Lumber Grades Authority (Canadian).
 - 3. SPIB - Southern Pine Inspection Bureau.
- 

4. WCLIB - West Coast Lumber Inspection Bureau.
 5. WWPA - Western Wood Products Association.
- C. Grade Stamps: Provide lumber with each piece factory marked with grade stamp of inspection agency evidencing compliance with grading rule requirements and identifying grading agency, grade, species, moisture content at time of surfacing, and mill.
- D. Provide dressed lumber, S4S, manufactured to actual sizes required by DOC PS 20 for moisture content specified, to comply with requirements indicated below:
1. Provide dry lumber with 19 percent maximum moisture content at time of dressing.
- E. Grade and Species: Provide dimension lumber of any species for truss chord and web members, graded visually or mechanically, and capable of supporting required loads without exceeding allowable design values according to AFPA's "National Design Specification for Wood Construction" and its "Supplement."

2.3 FIRE-RETARDANT-TREATED MATERIALS (where required by code)

- A. General: Where fire-retardant-treated wood is indicated, comply with applicable requirements of AWPAC20 (lumber). Identify fire-retardant-treated wood with appropriate classification marking of UL, U.S. Testing, Timber Products Inspection, or another testing and inspecting agency acceptable to authorities having jurisdiction.
1. Research or Evaluation Reports: Provide fire-retardant-treated wood acceptable to authorities having jurisdiction and for which a current model code research or evaluation report exists that evidences compliance of fire-retardant-treated wood for application indicated.
- B. Interior Type A: For interior locations, use chemical formulation that produces treated lumber with the following properties under conditions present after installation:
1. Bending strength, stiffness, and fastener-holding capacities are not reduced below values published by manufacturer of chemical formulation under elevated temperature and humidity conditions simulating installed conditions when tested by a qualified independent testing agency.
 2. No form of degradation occurs due to acid hydrolysis or other causes related to treatment.
 3. Contact with treated wood does not promote corrosion of metal fasteners.
- C. Exterior Type: Use for exterior locations and where indicated.
- D. Inspect each piece of treated lumber after drying and discard damaged or defective pieces.

2.4 METAL CONNECTOR PLATES

- A. General: Fabricate connector plates from metal complying with requirements indicated below.
- B. Hot-Dip Galvanized Steel Sheet: Structural-quality steel sheet, zinc coated by hot-dip process complying with ASTM A 653, G60 (ASTM A 653M, Z180) coating designation; Grade 33 and not less than 0.0359 inch (0.91 mm) thick.

- C. Electrolytic Zinc-Coated Steel Sheet: ASTM A 591 (ASTM A 591M), structural-(physical) quality steel sheet, zinc coated by electrodeposition; 33,000-psi (230-MPa) minimum yield strength, coating class C, and not less than 0.0474 inch (1.20 mm) thick.
- D. Aluminum-Zinc Alloy-Coated Steel Sheet: Structural-(physical) quality steel sheet, aluminum-zinc alloy-coated by hot-dip process complying with ASTM A 792, AZ50 (ASTM A 792M, AZ150) coating designation; Grade 33 and not less than 0.0359 inch (0.91 mm) thick.
- E. Stainless-Steel Sheet: ASTM A 666, Type 304 or 316, chromium nickel steel sheet; 33,000-psi (230-MPa) minimum yield strength and not less than 0.035 inch (0.89 mm) thick.

2.5 FASTENERS

- A. General: Provide fasteners of size and type indicated that comply with requirements specified below for material and manufacture.
 - 1. Where truss members are exposed to weather or to high relative humidities, provide fasteners with a hot-dip zinc coating per ASTM A 153 or of stainless steel, Type 304 or 316.
- B. Nails, Wire, Brads, and Staples: FS FF-N-105.
- C. Power-Driven Fasteners: CABO NER-272.
- D. Wood Screws: ASME B18.6.1.
- E. Lag Bolts and Screws: ASME B18.2.1 (ASME B18.2.3.8M).
- F. Bolts: Steel bolts complying with ASTM A 307, Grade A (ASTM F 568, Property Class 4.6); with ASTM A 563 (ASTM A 563M) hex nuts and, where indicated, flat washers.

2.6 METAL FRAMING ANCHORS

- A. General: Provide metal framing anchors of structural capacity, type, size, metal, and finish indicated that comply with requirements specified, including the following:
 - 1. Research or Evaluation Reports: Provide products for which model code research or evaluation reports exist that are acceptable to authorities having jurisdiction and that evidence compliance of metal framing anchors for application indicated with building code in effect for this Project.
 - 2. Allowable Design Loads: Provide products with allowable design loads, as published by manufacturer, that meet or exceed those indicated. Manufacturer's published values shall be determined from empirical data or by rational engineering analysis, and demonstrated by comprehensive testing performed by a qualified independent testing agency.
- B. Galvanized Steel Sheet: Hot-dip, zinc-coated steel sheet complying with ASTM A 653, G60 (ASTM A 653M, Z180) coating designation; structural, commercial, or lock-forming quality, as standard with manufacturer for type of anchor indicated.

- C. Stainless-Steel Sheet: ASTM A 666, Type 304 or 316, chromium nickel steel sheet; 33,000-psi (230-MPa) minimum yield strength.

2.7 MISCELLANEOUS MATERIALS

- A. Galvanizing Repair Paint: SSPC-Paint 20 or DOD-P-21035, with dry film containing a minimum of 94 percent zinc dust by weight.
- B. Protective Coatings: Provide one of the following coating systems:
 - 1. SSPC-Paint 22, epoxy-polyamide primer.
 - 2. SSPC-Paint 16, coal-tar epoxy-polyamide black or dark red paint.
 - 3. SSPC-Paint 27 and SSPC-Paint 12, basic zinc chromate-vinyl butyral wash primer and cold-applied asphalt mastic.

2.8 FABRICATION

- A. Cut truss members to accurate lengths, angles, and sizes to produce close-fitting joints.
- B. Fabricate metal connector plates to size, configuration, thickness, and anchorage details required to withstand design loadings for types of joint designs indicated.
- C. Assemble truss members in design configuration indicated using jigs or other means to ensure uniformity and accuracy of assembly with joints closely fitted to comply with tolerances of ANSI/TPI 1. Position members to produce design camber indicated.
 - 1. Fabricate wood trusses within manufacturing tolerances of ANSI/TPI 1.
- D. Connect truss members by metal connector plates located and securely embedded simultaneously into both sides of wood members by air or hydraulic press.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Do not install wood trusses until supporting construction is in place and is braced and secured.
- B. Before installing, splice trusses delivered to Project site in more than one piece.
- C. Hoist trusses in place by lifting equipment suited to sizes and types of trusses required, exercising care not to damage truss members or joints by out-of-plane bending or other causes.
- D. Install and brace trusses according to recommendations of TPI and as indicated.
- E. Install trusses plumb, square, and true to line and securely fasten to supporting construction.
- F. Space, adjust, and align trusses in location before permanently fastening and as follows:

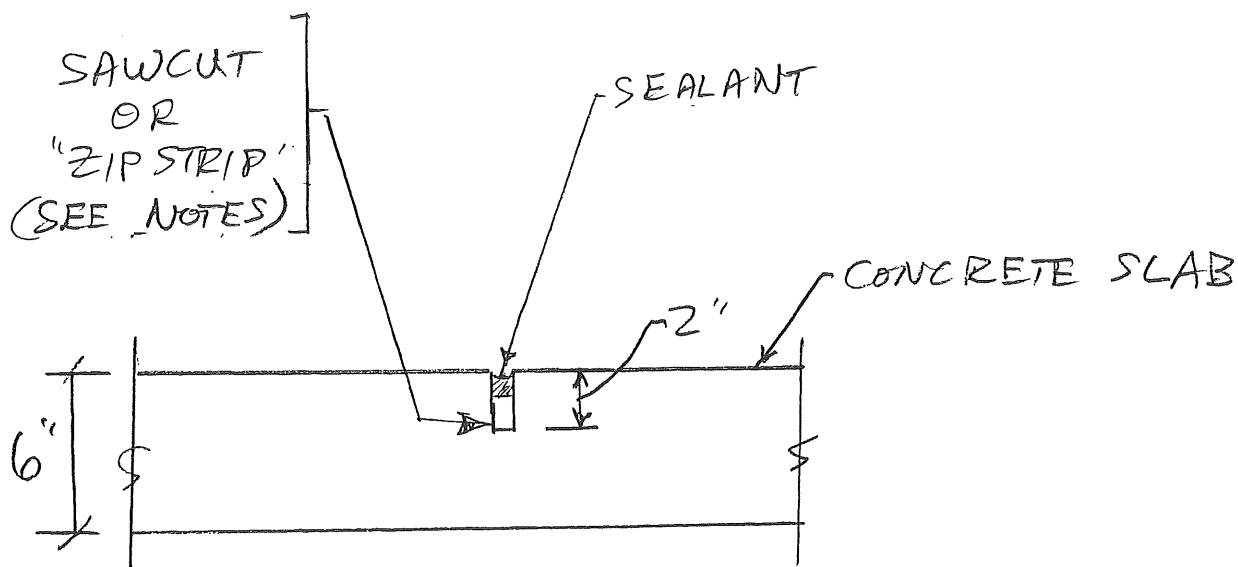


1. Truss Spacing: As indicated.
- G. Anchor trusses securely at all bearing points using metal framing anchors. Install fasteners through each fastener hole in metal framing anchor according to manufacturer's fastening schedules and written instructions.
- H. Securely connect each truss ply required for forming built-up girder trusses.
 1. Anchor trusses to girder trusses as indicated.
- I. Install and fasten permanent bracing during truss erection and before construction loads are applied. Anchor ends of permanent bracing where terminating at walls or beams.
 1. Install and fasten strongback bracing vertically against vertical web of parallel-chord floor trusses at centers indicated.
- J. Install wood trusses within installation tolerances of ANSI/TPI 1.
- K. Do not cut or remove truss members.
- L. Return wood trusses that are damaged or do not meet requirements to fabricator and replace with trusses that do meet requirements.
 1. Do not alter trusses in the field.

3.2 REPAIRS AND PROTECTION

- A. Repair damaged galvanized coatings on exposed surfaces with galvanized repair paint according to ASTM A 780 and manufacturer's written instructions.
- B. Protective Coating: Clean and prepare exposed surfaces of embedded-metal connector plates. Brush apply primer, when part of coating system, and one coat of protective coating.
 1. Apply materials to provide minimum dry film thickness recommended by manufacturer of coating system.

END OF SECTION 06192



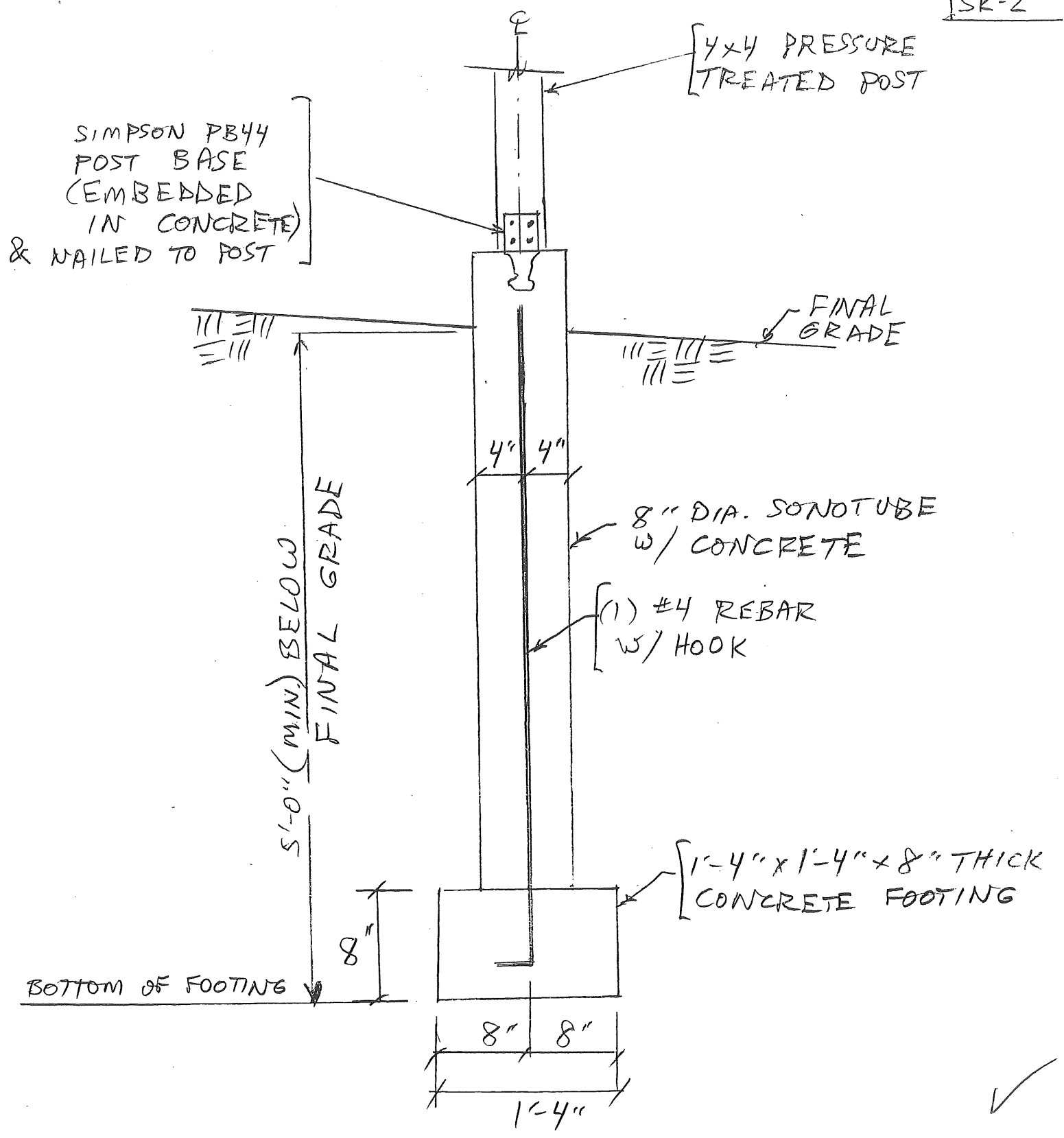
CONTROL JOINT DETAIL

Not To Scale



Notes:

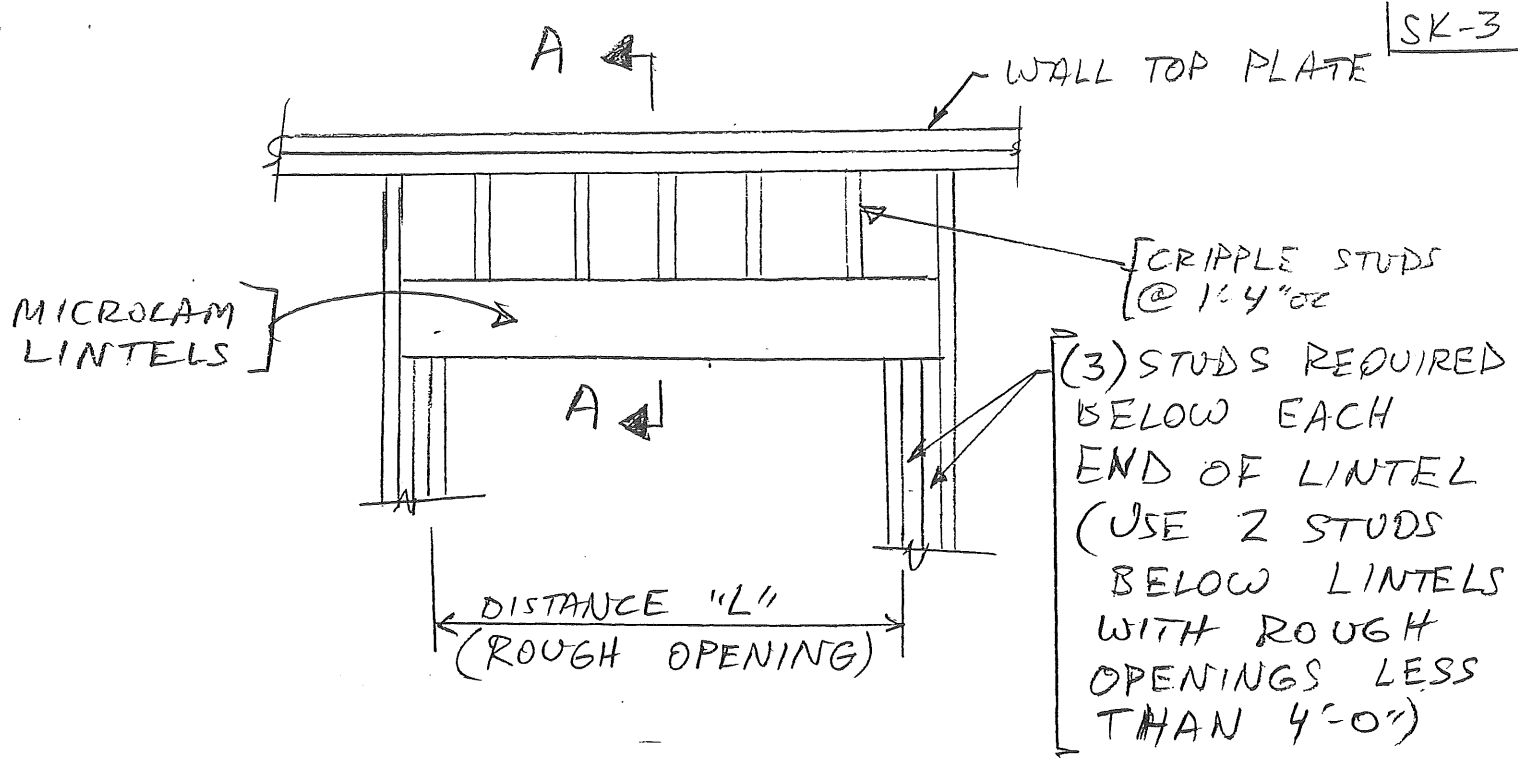
1. Slab shall be sawcut as soon as possible without dislodging aggregate of fresh concrete, but under no circumstances longer than 6 hours after concrete slab has been placed.
2. Control joints shall be straight and shall be spaced not more than 10'-0" on center



PIER DETAIL

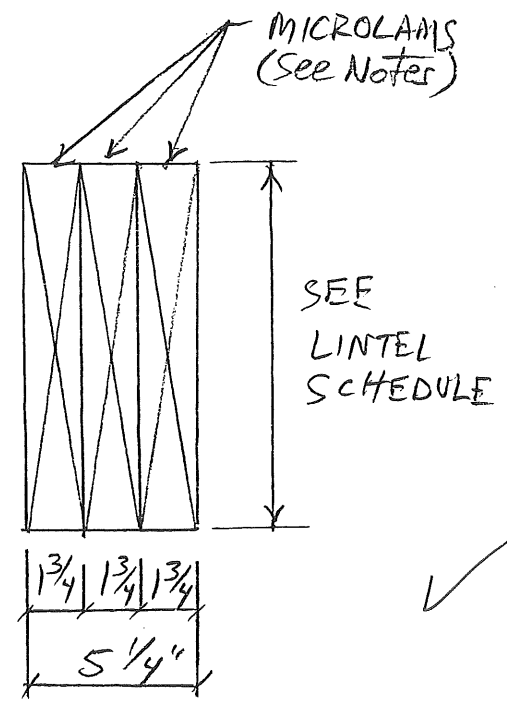
1" = 1'-0"

B
SK-2



WALL ELEVATION @ ROUGH OPENING
Not to Scale

<u>LINTEL SCHEDULE</u>	
Distance "L" Rough Opening	Microlam Lintel (See Notes)
10'-0"	(3) 1 3/4 x 11 7/8
6'-6"	(3) 1 3/4 x 9 1/4
3'-0"	(2) 1 3/4 x 5 1/2

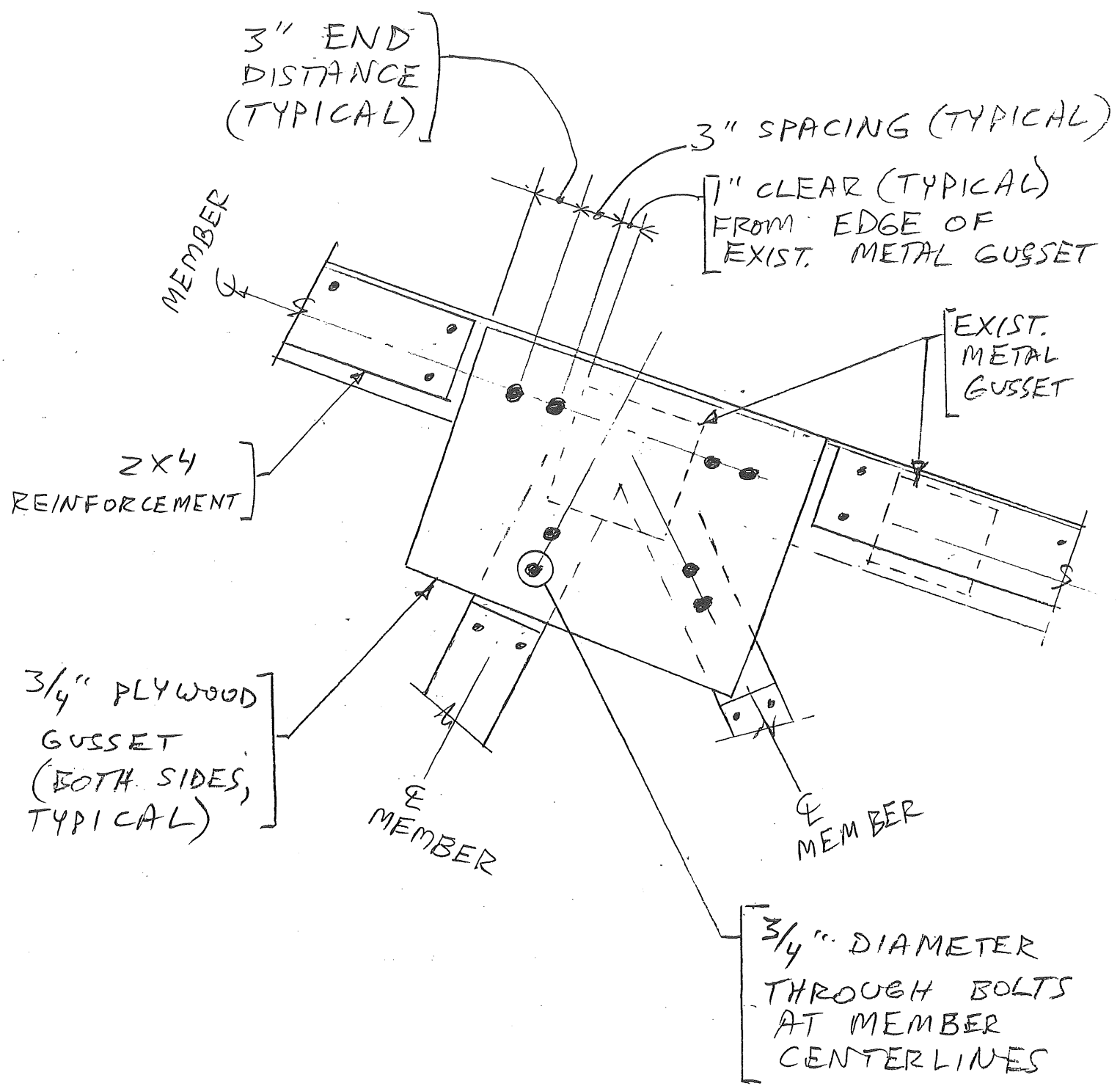


LINTEL SCHEDULE 
Not to Scale

SECTION A-A
Not to Scale

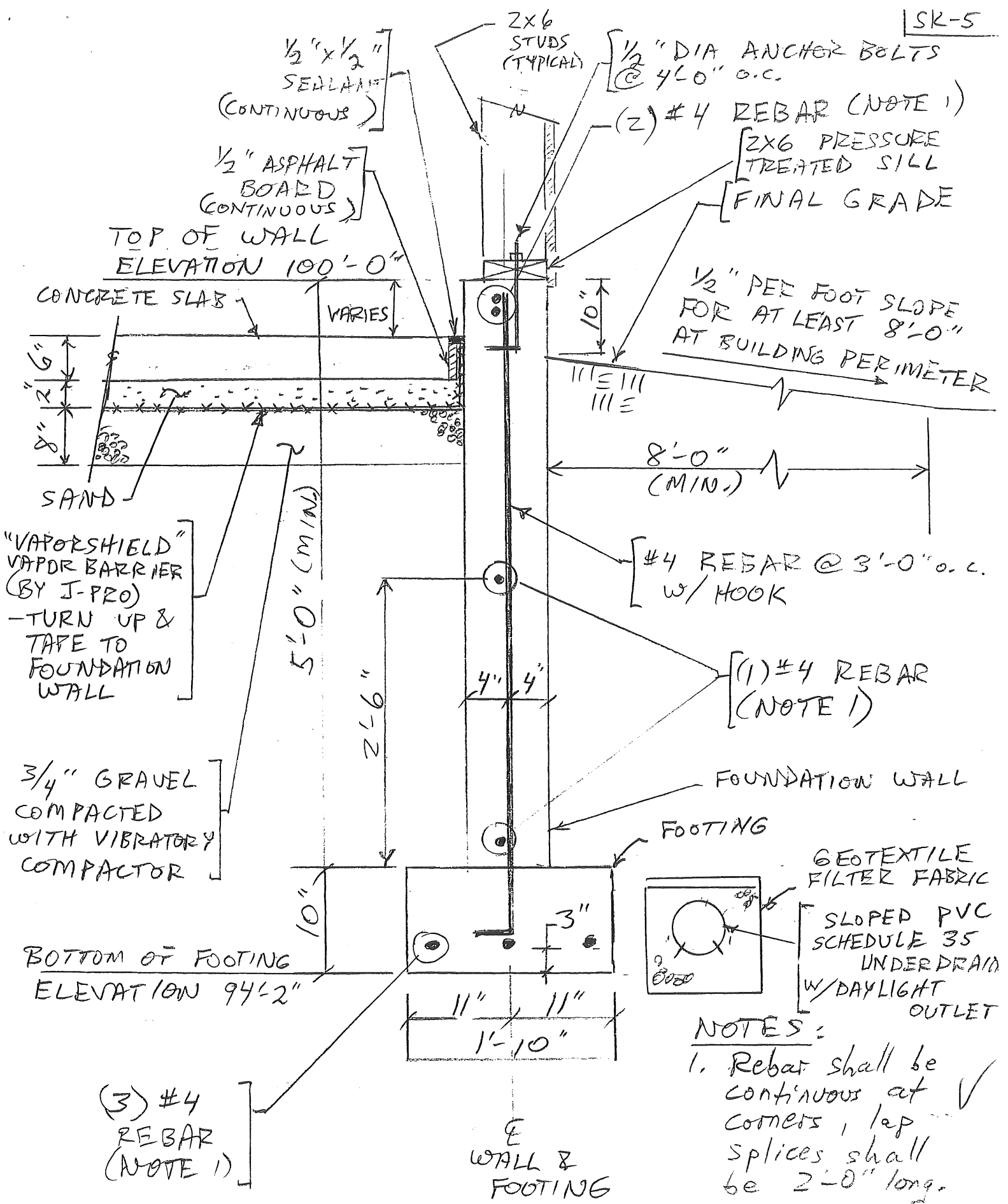
Notes:

1. Microlams as fabricated by Trus Joist Macmillan or approved equal
2. At 3'-0" Lintel, center member shall be 2x6, #2 SPF

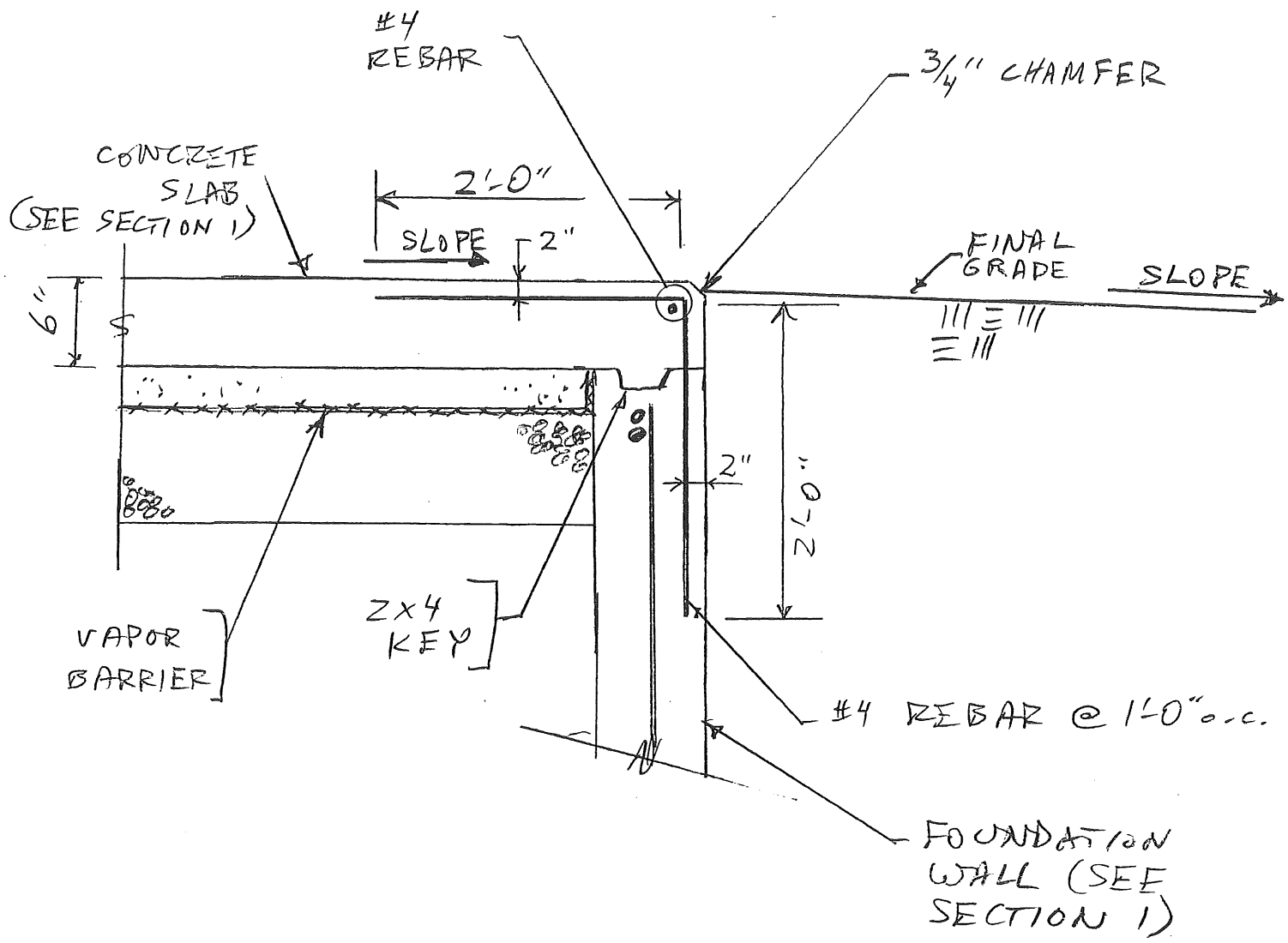


DETAIL 1L





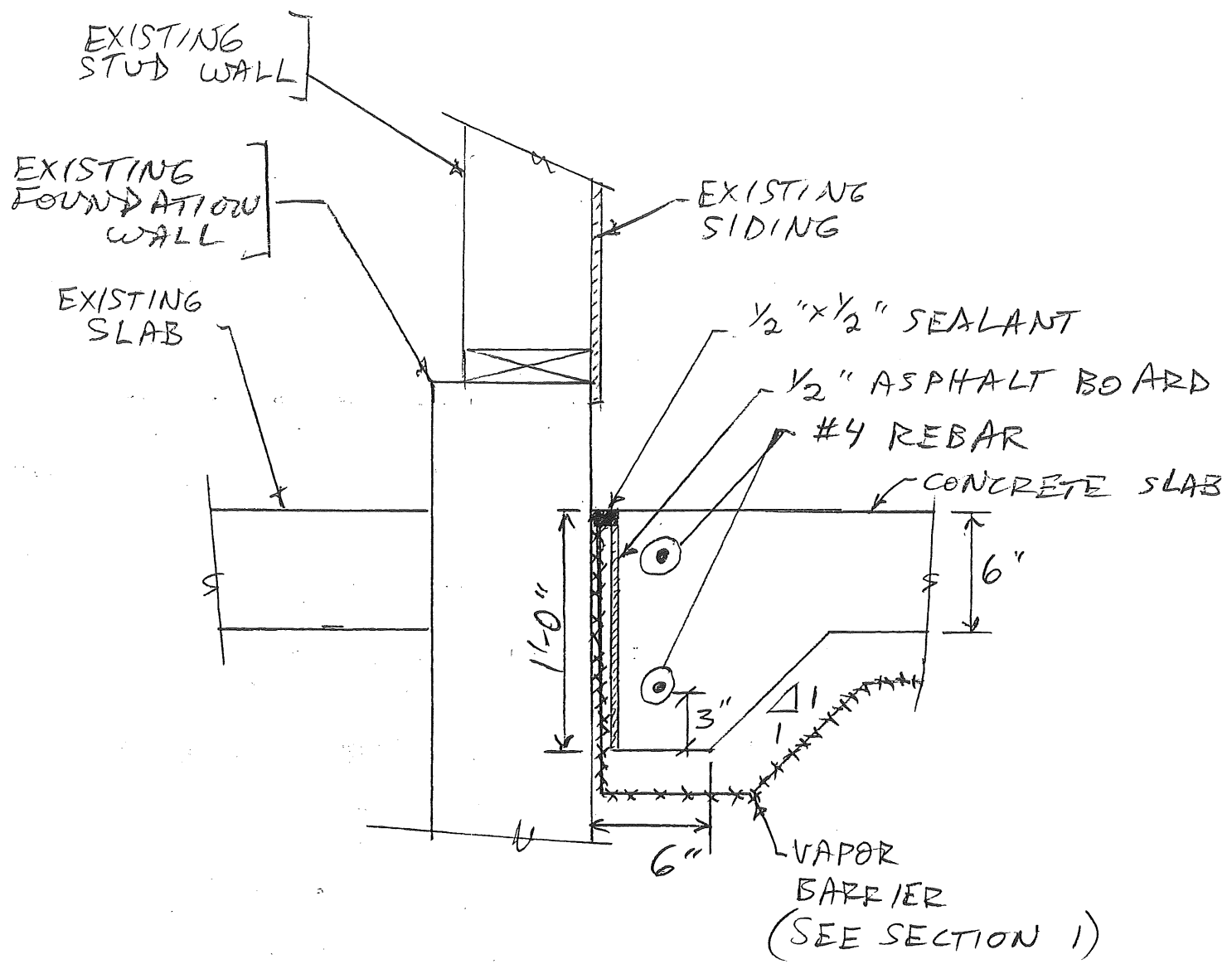
- NOTES:
1. Rebar shall be continuous at corners, lap splices shall be 2'-0" long.



SECTION 2
Not to Scale

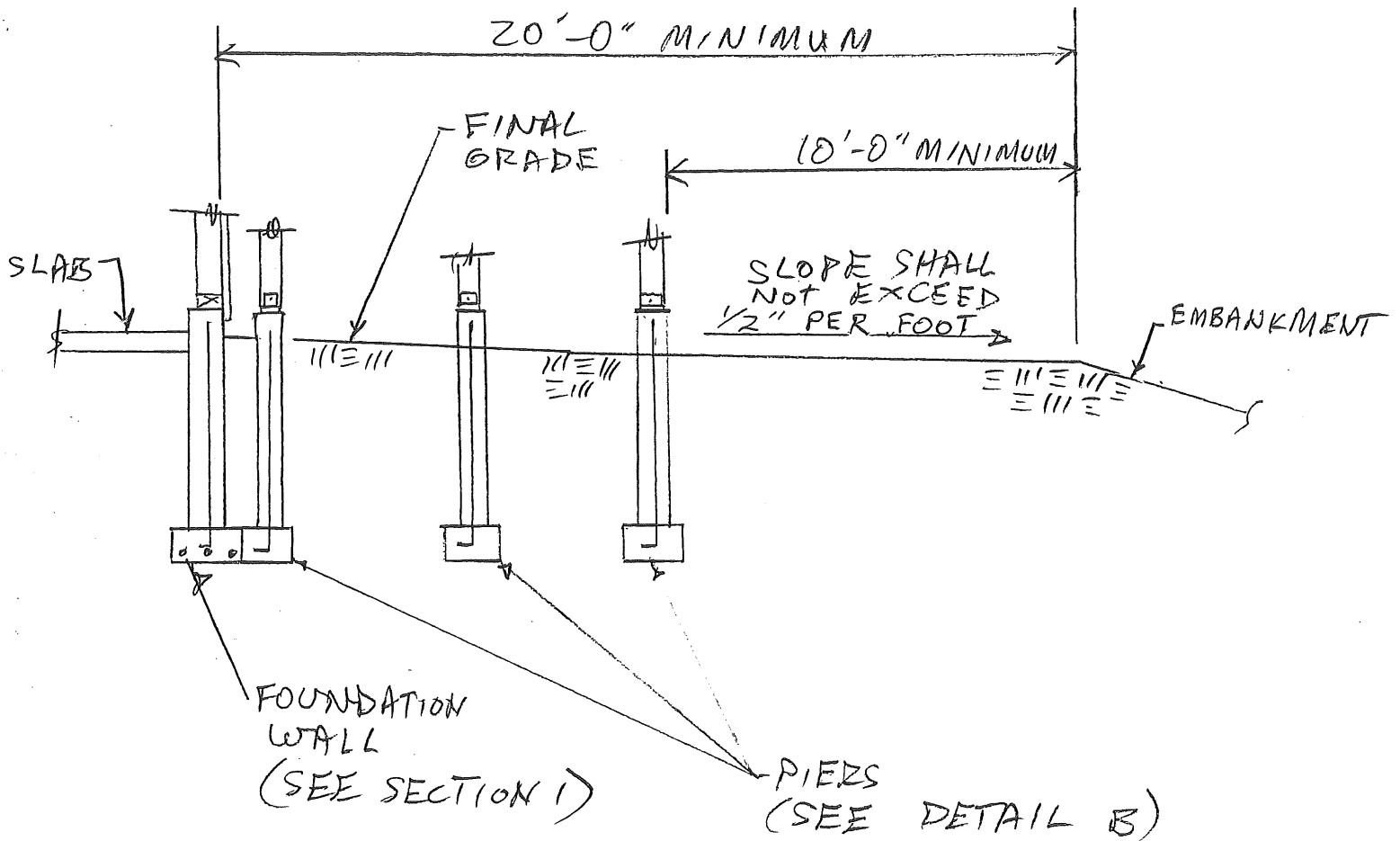
SK-6





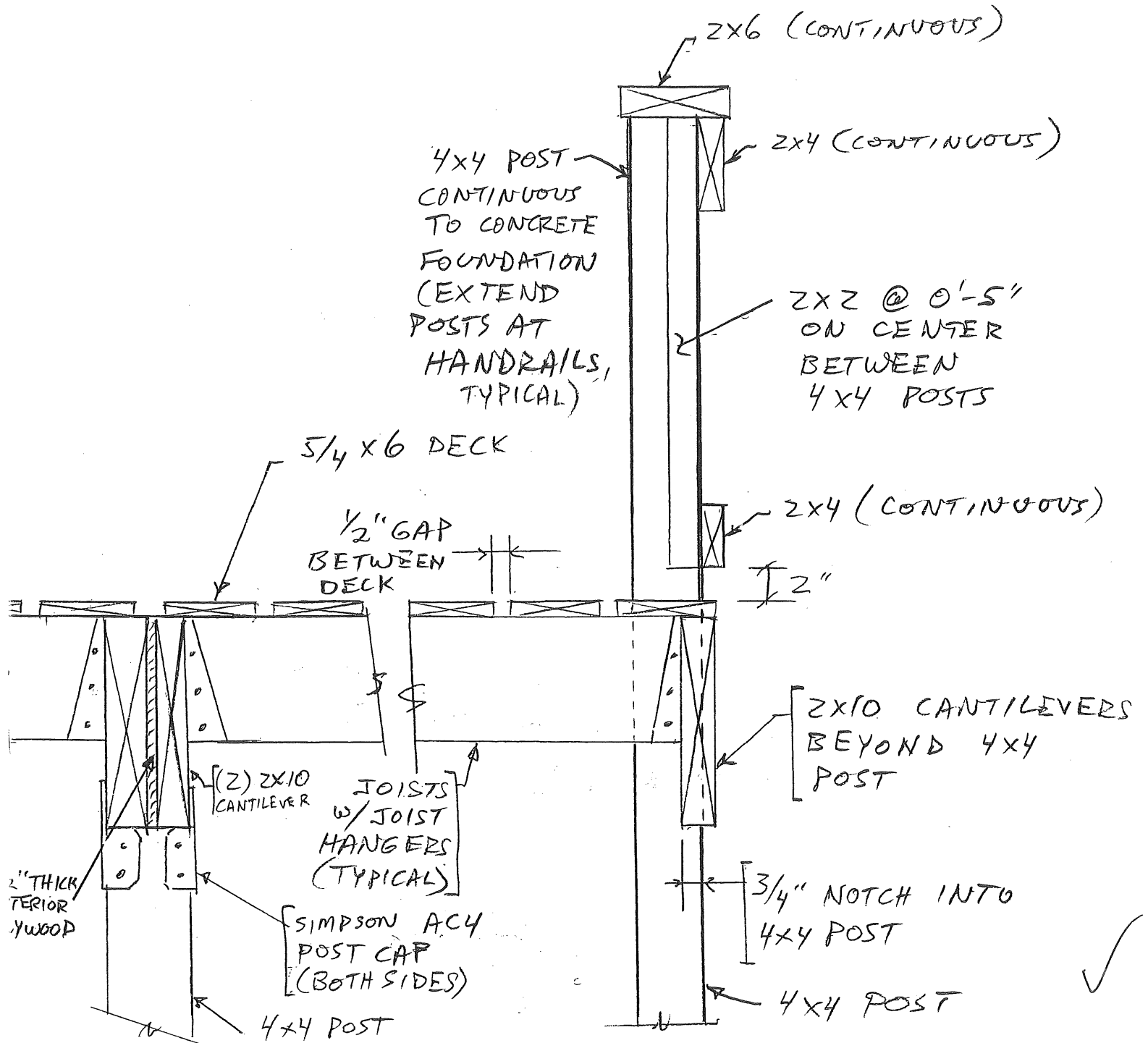
SECTION 3
 1 1/2" = 1'-0" SK-7





SECTION 4
Not to Scale SK-8

✓



3/4" THICK
TONGUE & GROOVE
SHEATHING
WITH 48/24
APA SPAN
RATING
(SEE NOTES 1,2)

JOISTS SHALL BE
14" TJI/Pro 250
spaced at 16" on center
(Note 3)

5/8" THICK
APA RATED
SHEATHING
W/GALVANIZE
NAILS

1 1/4" x 14"
TIMBERSTRAND
LSL RIM
BOARD
(NOTE 3)
TYPICAL AT
BUILDING
PERIMETER

DOUBLE 2x6
(LAP SPLICE SHALL
BE 4'-0" MINIMUM
w/(2) 16 d NAILS
@ 8" o.c., TYPICAL)

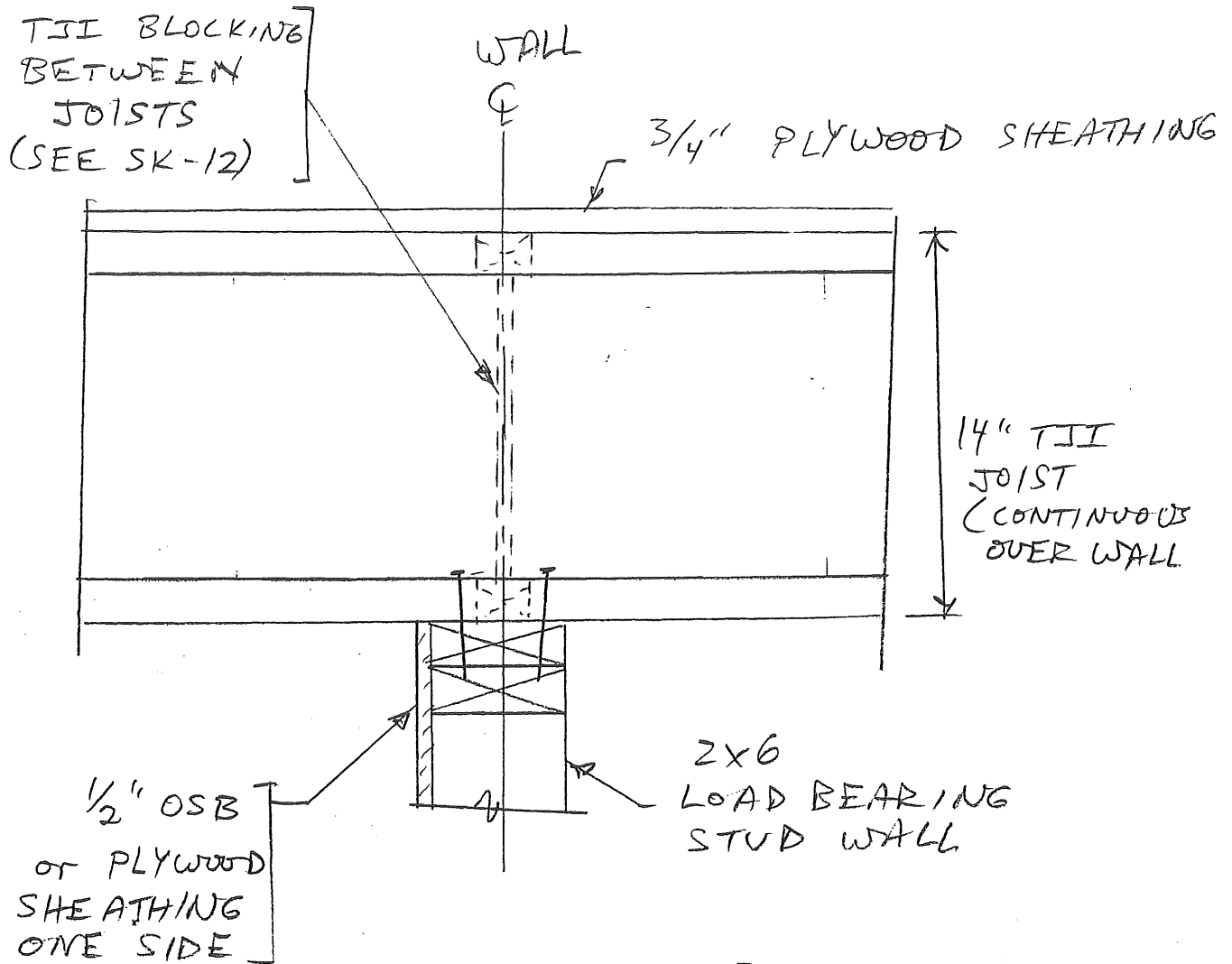
2x6 WALL
STUDS @
16" o.c.

SECTION
Not to Scale

6
SK-10

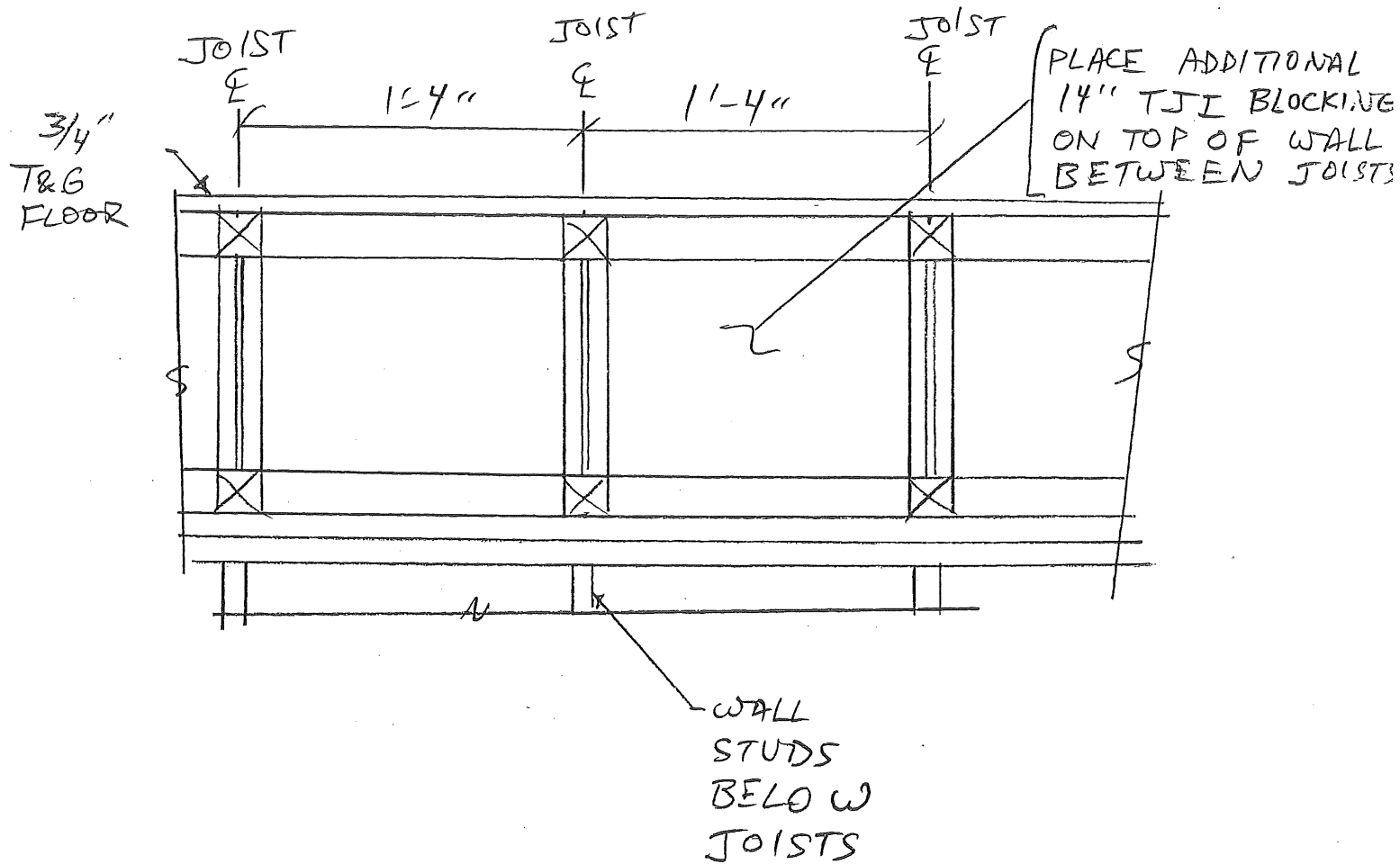
NOTES:

1. Floor sheathing shall be placed with long dimension perpendicular to supports.
2. Glue sheathing to joists and nail with 10 d nails. Nail spacing shall be 6" on center at supported edges and 1'-0" on center elsewhere.
3. TJI & LSL manufactured by TrusJoist Macmillan or equal.



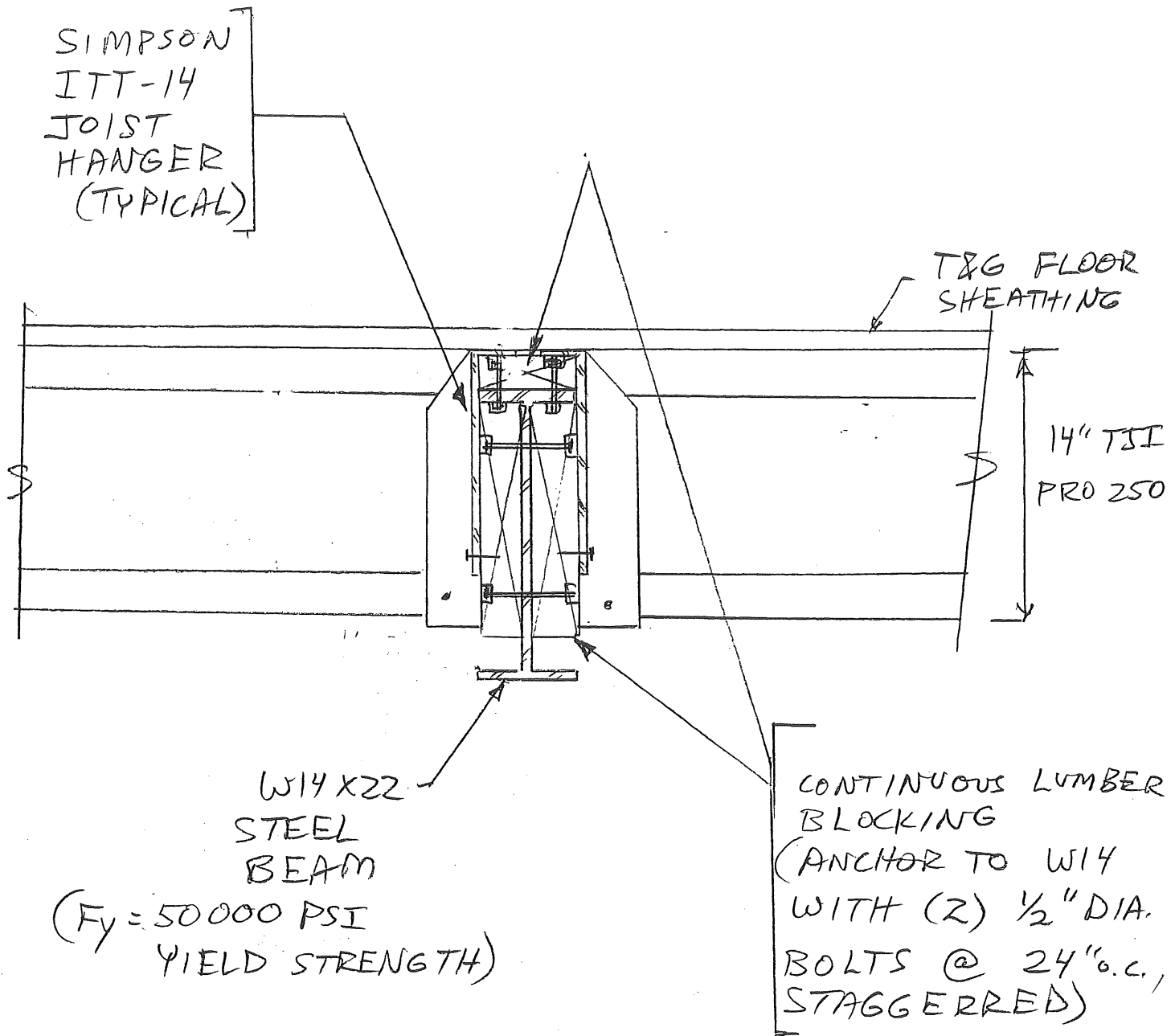
SECTION 7
Not to Scale (SK-11)



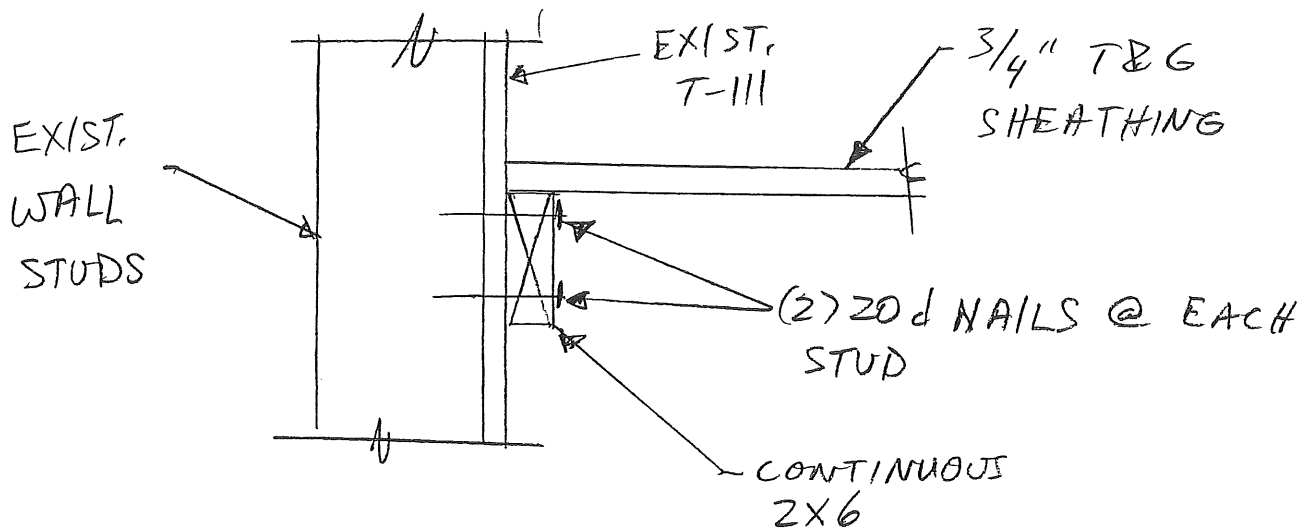


SECTION 8
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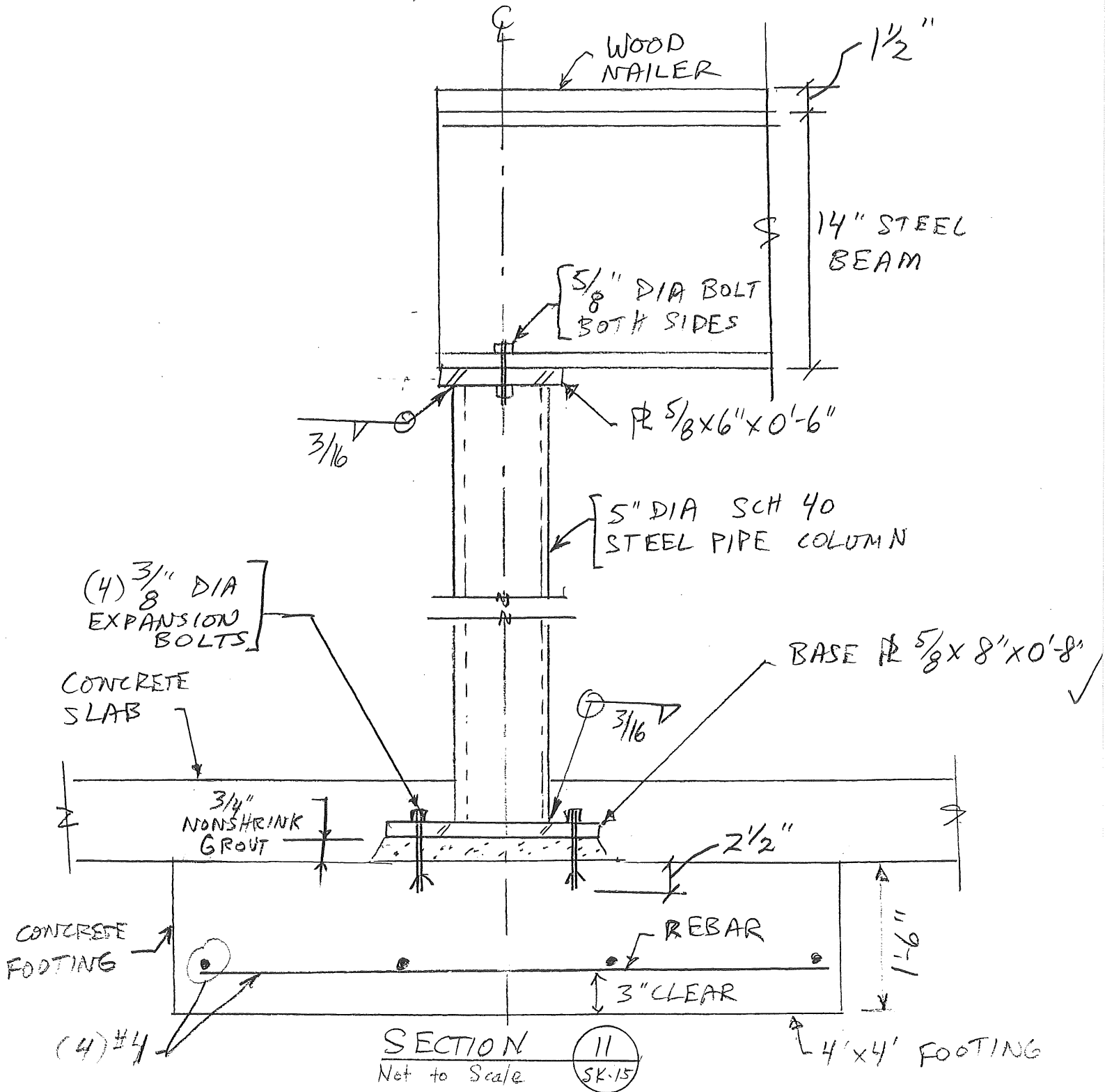
SECTION 9
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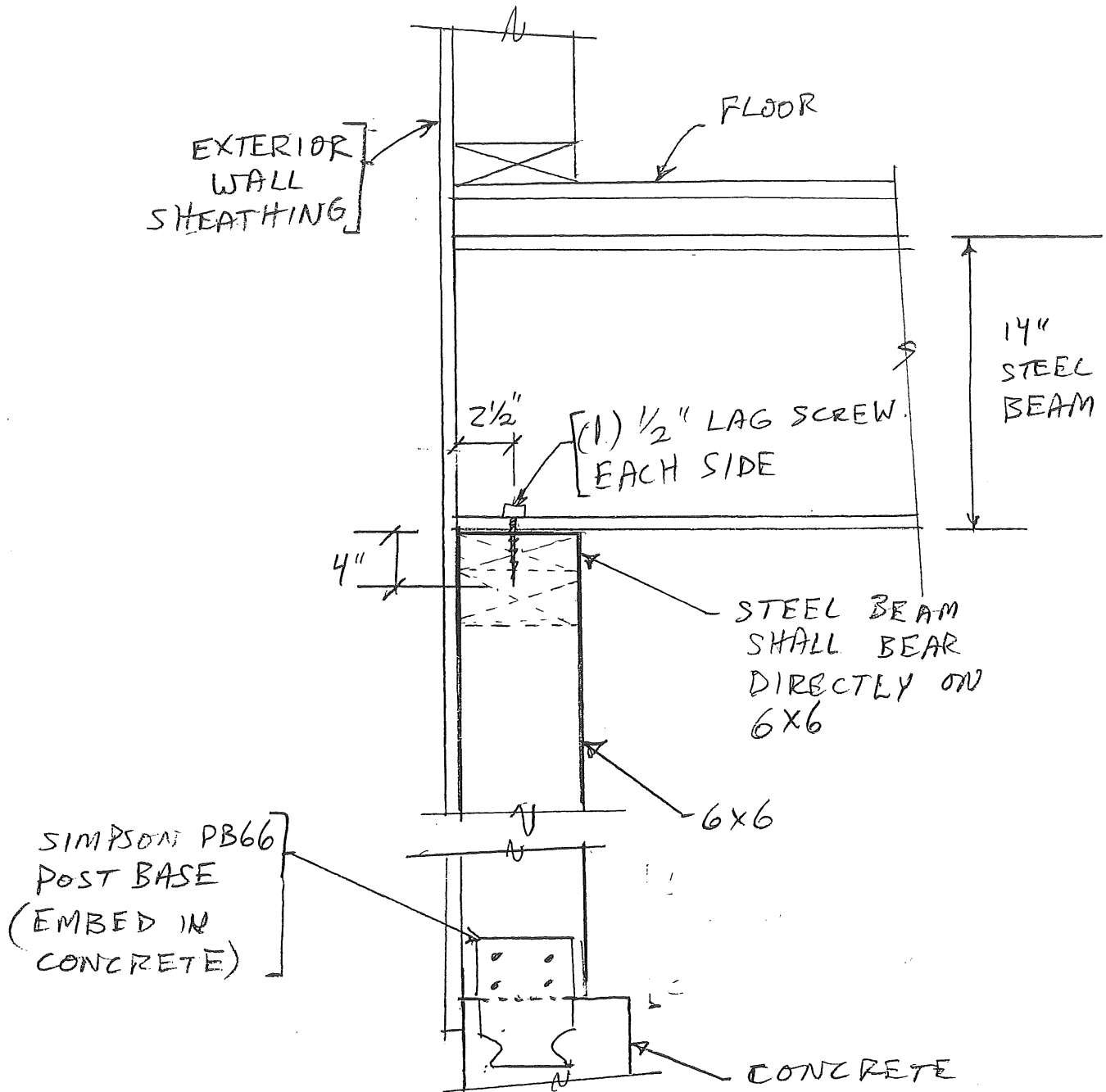


SECTION 10
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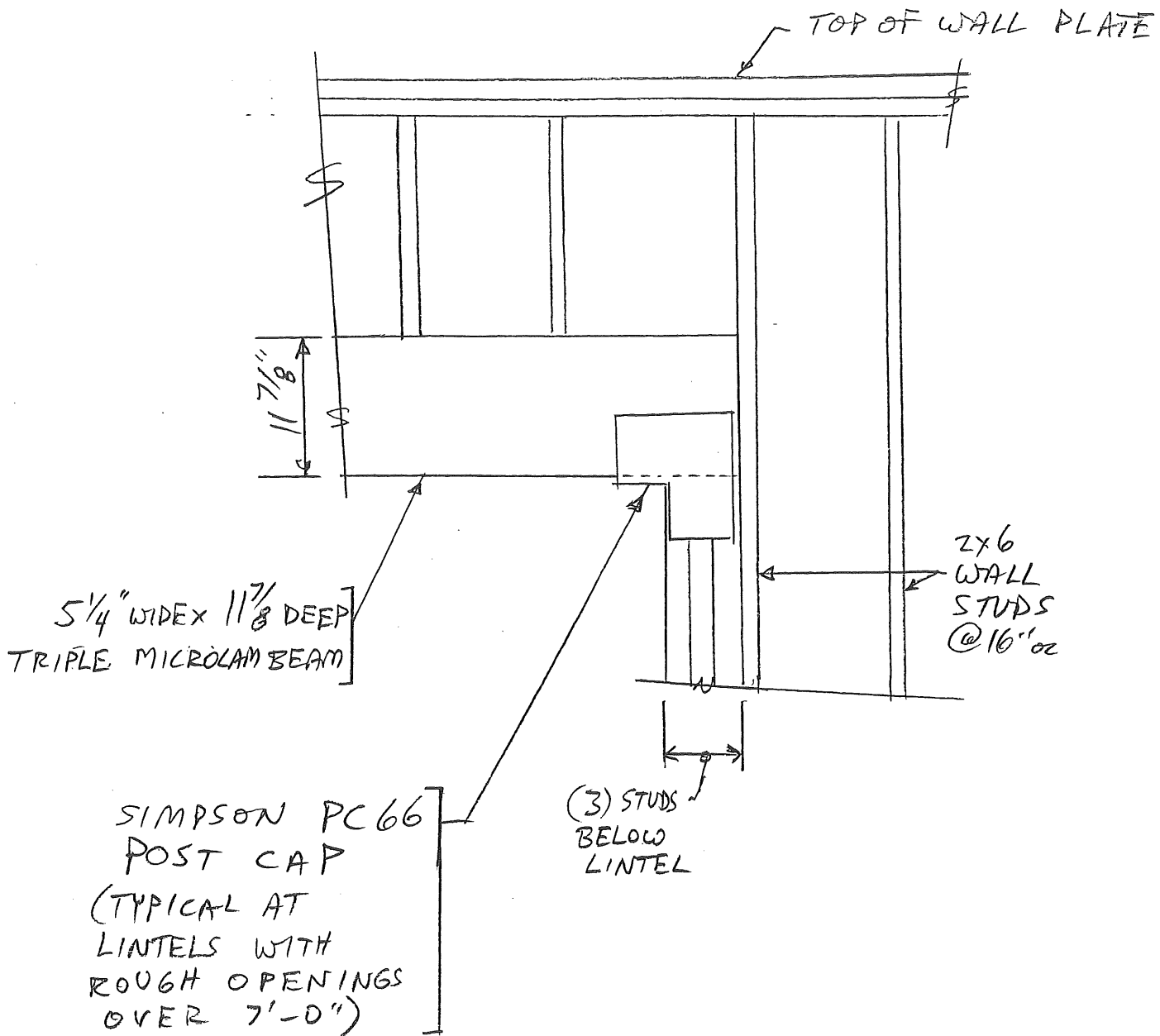
NOTE: other details not shown for clarity



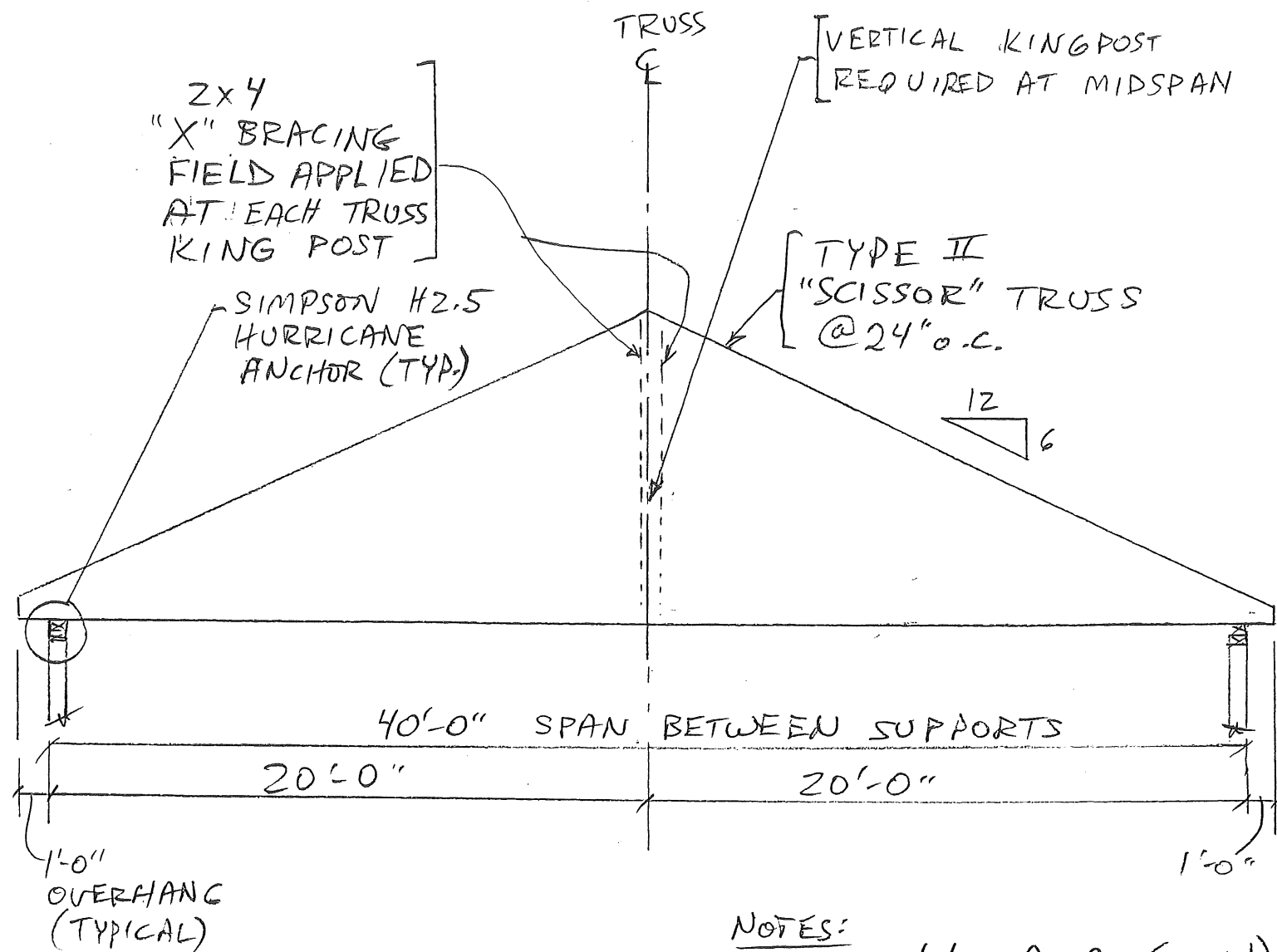


SECTION 12
Not to Scale

SK-16



SECTION 13
Not to Scale SK-17

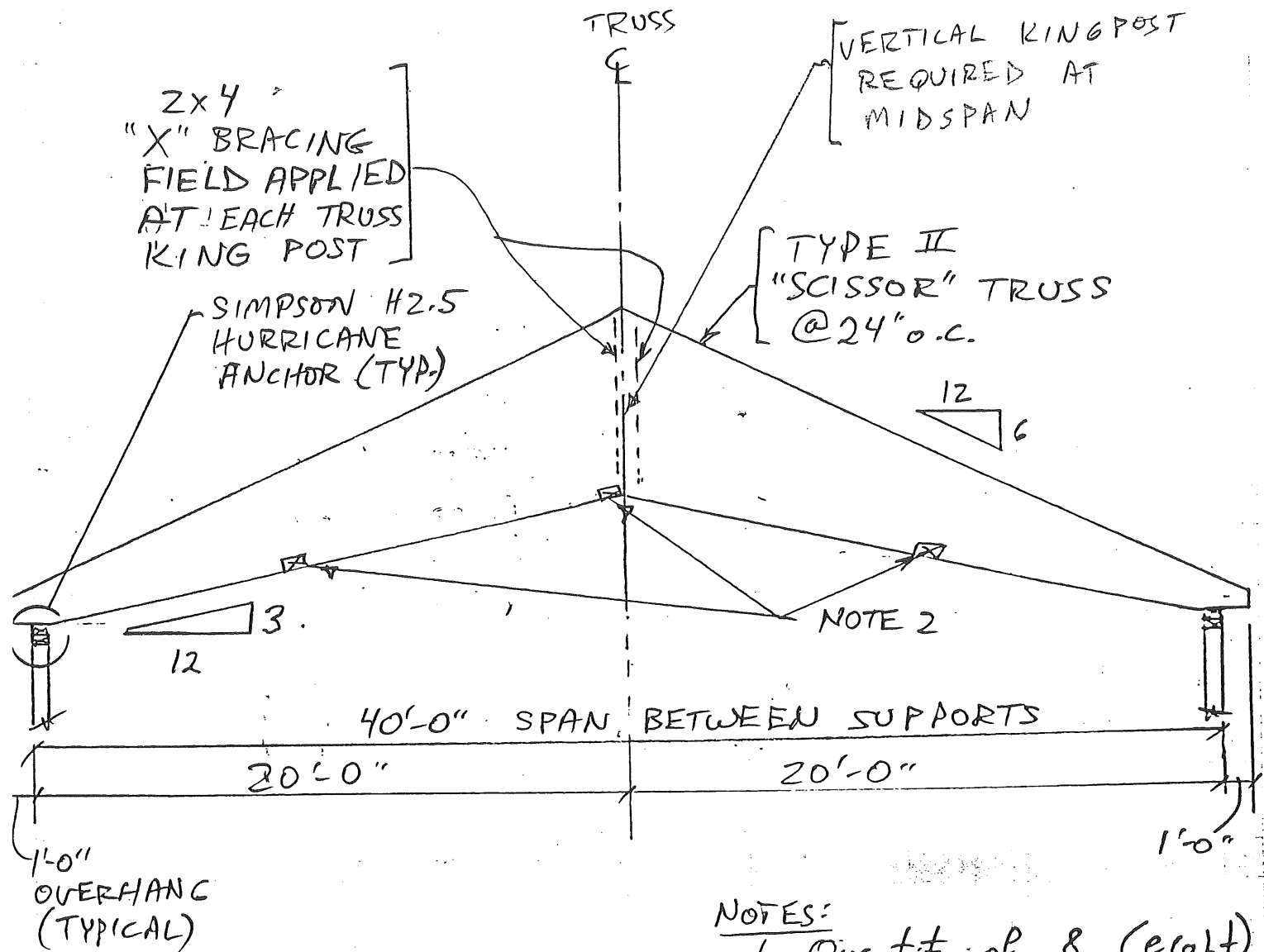


NOTES:

1. Quantity of 8 (eight) Type II trusses required.
2. Continuous bottom chord 2x4 bracing w/ 24" lap splice & anchored at end gable walls.

TYPE II TRUSS PROFILE

14
SK-18

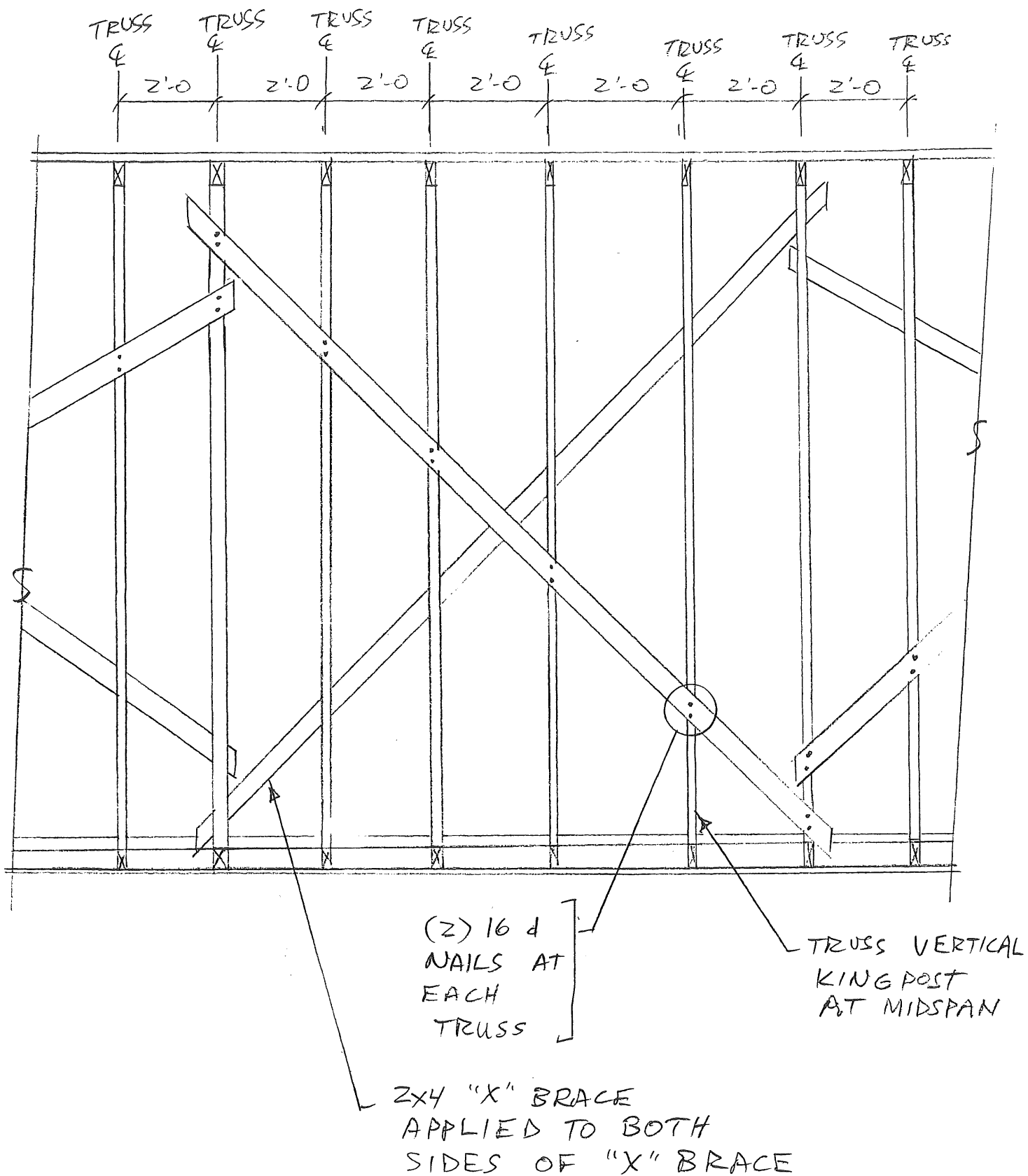


NOTES:

1. Quantity of 8 (eight) Type II trusses required.
2. Continuous bottom chord 2x4 bracing w/ 24" lap splice & anchored at end gable walls.

TYPE II TRUSS PROFILE

15
SK-19

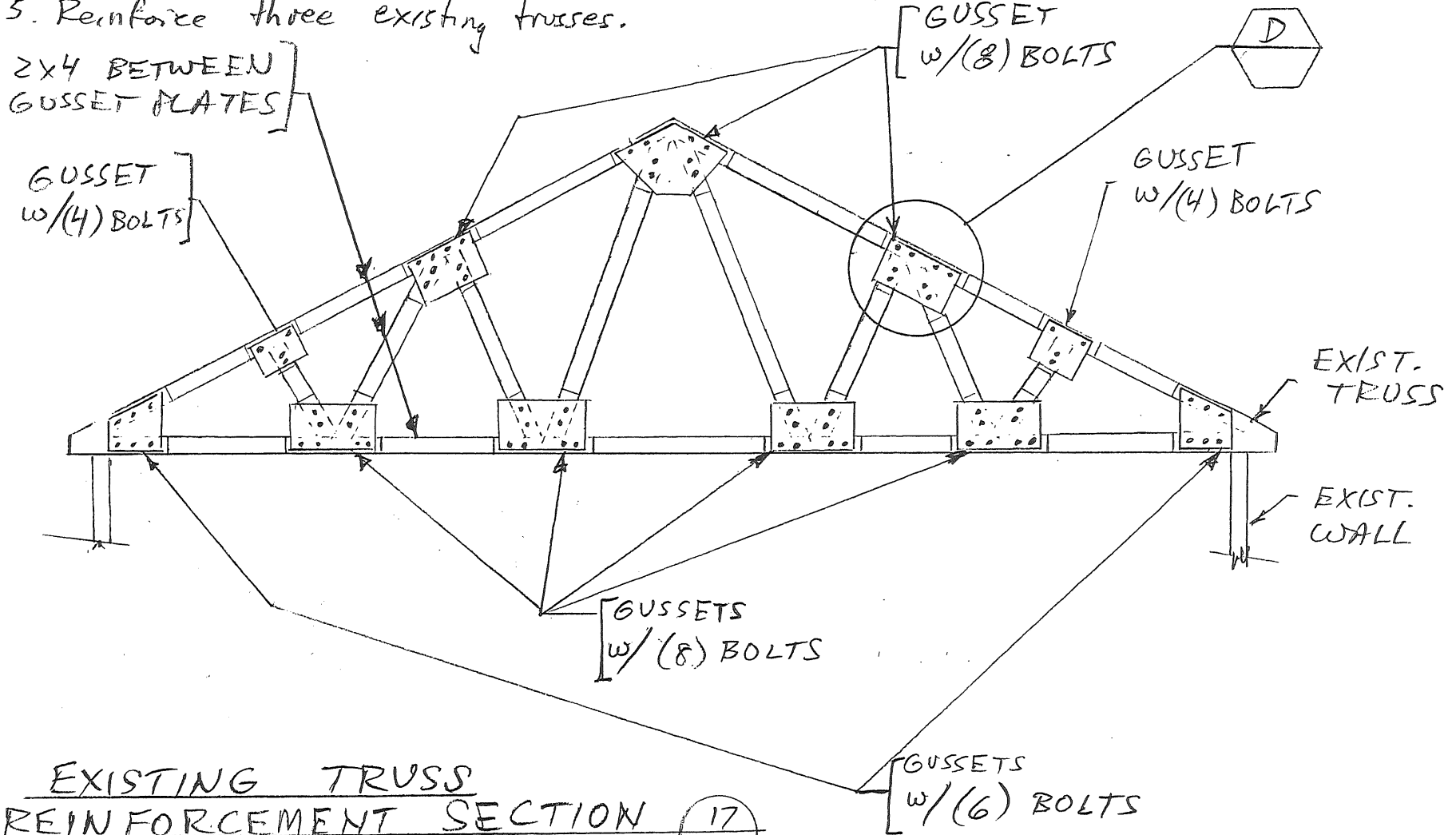


SECTION 16
Not to Scale SK-20



NOTES

1. Gussets shall be $\frac{3}{4}$ " thick CDX plywood applied to both sides of truss.
2. Bolts shall be $\frac{3}{4}$ " diameter through bolts.
3. See Detail "D" for typical gusset plate requirements.
4. Add 2x4 to all truss members between gusset plates, nail at 1'-0" on center w/ 16d nails (staggered) & (2) nails at each end.
5. Reinforce three existing trusses.



EXISTING TRUSS
REINFORCEMENT SECTION
Not to Scale

17
SK-21

SK-21

