

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

BUILDING INSPECTION

PERMIT

Permit Number: 091024

Please Read Application And Notes, If Any, Attached

This is to certify that SEA STREET PROPERTIES INC /David Jones
has permission to New 1480 sq ft 3 bedroom, 2 bath single family home
AT 395 ALLEN AVE CBL 401 A013001

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Notification of inspection must be given and written permission procured before this building or part thereof is lathed or otherwise closed-in. 24 HOUR NOTICE IS REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

PERMIT ISSUED

OTHER REQUIRED APPROVALS

NOV 13 2009

Fire Dept. _____
Health Dept. _____
Appeal Board _____
Other _____
Department Name

CITY OF PORTLAND

Thomas M. Mackley 11/13/09
Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

City of Portland

NOV 13 2009

PERMIT ISSUED

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

| | | |
|-----------------------|-------------|---------------------|
| Permit No: 09-1024 | Issue Date: | CBL: 401 A013001 |
|-----------------------|-------------|---------------------|

| | | | |
|--|--|---|---------------------|
| Location of Construction: 395 ALLEN AVE | Owner Name: SEA STREET PROPERTIES INC | Owner Address: 56 BROADWAY | Phone: |
| Business Name: | Contractor Name: David Jones | Contractor Address: 56 Broadway South Portland | Phone 2078387490 |
| Lessee/Buyer's Name | Phone: | Permit Type: Single Family | Zone: R-3 |

| | | | | |
|--|---|---|---|--------------------|
| Past Use: Vacant Land | Proposed Use: Single Family Home - New 1480 sq ft 3 bedroom, 2 bath single family home | Permit Fee: \$1,245.00 | Cost of Work: \$115,000.00 | CEO District: 4 |
| Proposed Project Description: New 1480 sq ft 3 bedroom, 2 bath single family home | | FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied | INSPECTION: Use Group: R3 Type: SB IRC 2003 Signature: Jm 11/13/09 | |
| | | PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Signature: Date: | | |

| | | | | |
|---|---------------------------------|---|---|---|
| Permit Taken By: Ldobson | Date Applied For: 09/16/2009 | Zoning Approval | | |
| <ol style="list-style-type: none"> This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules. Building permits do not include plumbing, septic or electrical work. 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.. | | Special Zone or Reviews <input type="checkbox"/> Shoreland N/A <input type="checkbox"/> Wetland N/A <input type="checkbox"/> Flood Zone parcel 2-zone X <input type="checkbox"/> Subdivision <input checked="" type="checkbox"/> Site Plan 2009-0070 Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input checked="" type="checkbox"/> Date: | Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date: | Historic Preservation <input type="checkbox"/> Not in District or Landmark <input checked="" type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied JBM 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 provision of the code(s) applicable to such permit.

PERMIT ISSUED

| | | | |
|---|---------|------|-------|
| SIGNATURE OF APPLICANT | ADDRESS | DATE | PHONE |
| RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE | | DATE | PHONE |

NOV 13 2009

City of Portland

City of Portland, Maine - Building or Use Permit

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

| | | |
|------------------------------|--|----------------------------|
| Permit No: 09-1024 | Date Applied For: 09/16/2009 | CBL: 401 A013001 |
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| Location of Construction: 395 ALLEN AVE | Owner Name: SEA STREET PROPERTIES INC | Owner Address: 56 BROADWAY | Phone: |
| Business Name: | Contractor Name: David Jones | Contractor Address: 56 Broadway South Portland | Phone (207) 838-7490 |
| Lessee/Buyer's Name | Phone: | Permit Type: Single Family | |

| | |
|--|---|
| Proposed Use: Single Family Home - New 1480 sq ft 3 bedroom, 2 bath single family home | Proposed Project Description: New 1480 sq ft 3 bedroom, 2 bath single family home |
|--|---|

| | | | |
|--|---|------------------------------|---|
| Dept: Zoning | Status: Approved with Conditions | Reviewer: Ann Machado | Approval Date: 11/05/2009 |
| Note: | | | Ok to Issue: <input checked="" type="checkbox"/> |
| 1) This property shall remain a single family dwelling. Any change of use shall require a separate permit application for review and approval. | | | |
| 2) This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work. | | | |

| | | | |
|---|---|------------------------------|---|
| Dept: Building | Status: Approved with Conditions | Reviewer: Tom Markley | Approval Date: 11/13/2009 |
| Note: | | | Ok to Issue: <input checked="" type="checkbox"/> |
| 1) New single family dwellings should install a Carbon Monoxide (CO) detector in each area within or giving access to bedrooms. That detection must be powered by the electrical service in the building and battery, | | | |
| 2) Hardwired interconnected battery backup smoke detectors shall be installed in all bedrooms, protecting the bedrooms, and on every level. | | | |
| 3) The design load spec sheets for any engineered beam(s) / Trusses must be submitted to this office. | | | |
| 4) Separate permits are required for any electrical, plumbing, sprinkler, fire alarm or HVAC or exhaust systems. Separate plans may need to be submitted for approval as a part of this process. | | | |
| 5) Application approval based upon information provided by applicant. Any deviation from approved plans requires separate review and approval prior to work. | | | |

| | | | |
|---|---|----------------------------------|---|
| Dept: DRC | Status: Approved with Conditions | Reviewer: Philip DiPierro | Approval Date: 11/10/2009 |
| Note: | | | Ok to Issue: <input checked="" type="checkbox"/> |
| 1) Erosion and Sedimentation control shall be established and inspected by the Development Review Coordinator prior to soil disturbance, and shall be done in accordance with Best Management Practices, Maine Department of Environmental Protection Technical and Design Standards and Guidelines. All Erosion and Sedimentation control measures must be inspected and maintained daily. | | | |
| 2) The Development Review Coordinator reserves the right to require additional lot grading or other drainage improvements as necessary due to field conditions. | | | |
| 3) A street opening permit(s) is required for your site. Please contact Carol Merritt at 874-8300, ext. 8822. (Only excavators licensed by the City of Portland are eligible.) | | | |
| 4) A sewer permit is required for your project. Please contact Carol Merritt at 874-8300, ext. 8822. The Wastewater and Drainage section of Public Services must be notified five (5) working days prior to sewer connection to schedule an inspector for your site. | | | |
| 5) All damage to sidewalk, curb, street, or public utilities shall be repaired to City of Portland standards prior to issuance of a certificate of occupancy. | | | |
| 6) The Development Review Coordinator (874-8632) must be notified five (5) working days prior to date required for final site inspection. Please make allowances for completion of site plan requirements determined to be incomplete or defective during the inspection. This is essential as all site plan requirements must be completed and approved by the Development Review Coordinator prior to issuance of a Certificate of Occupancy. Please schedule any property closing with these requirements in mind. | | | |

| | | | |
|---|---|--|--------------------------------|
| Location of Construction: 395 ALLEN AVE | Owner Name: SEA STREET PROPERTIES INC | Owner Address: 56 BROADWAY | Phone: |
| Business Name: | Contractor Name: David Jones | Contractor Address: 56 Broadway South Portland | Phone (207) 838-7490 |
| Lessee/Buyer's Name | Phone: | Permit Type: Single Family | |

- 7) Two (2) City of Portland approved species and size trees must be planted on your street frontage prior to issuance of a Certificate of Occupancy.
- 8) All Site work (final grading, landscaping, loam and seed) must be completed prior to issuance of a certificate of occupancy.

Comments:

9/21/2009-amachado: Started to review. Siteplan is unacceptable. Handrawn pieces and incomplete re: checklist. Need 11"x17" of siteplan. Entrances on building plans not shown on siteplan. Elevations on siteplan not match elevations on building plan. Need two parking spaces passed the front setback. Left vcm for Phil. Need to coordinate siteplan revision needs.

9/25/2009-amachado: Phil gave me list of what he needed. Called David Jones. Met with him at counter. Went over the checklist for what was needed on the siteplan. Also explained that the building plans have to match the siteplan.

11/5/2009-amachado: David Jones brought in complete siteplan.

PERMIT ISSUED

NOV 13 2009

City of Portland

BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 (ONLY)

to schedule your inspections as agreed upon

Permits expire in 6 months, if the project is not started or ceases for 6 months.

The Owner or their designee is required to notify the inspections office for the following inspections and provide adequate notice. Notice must be called in 48-72 hours in advance in order to schedule an inspection:

By initializing at each inspection time, you are agreeing that you understand the inspection procedure and additional fees from a "Stop Work Order" and "Stop Work Order Release" will be incurred if the procedure is not followed as stated below.

A Pre-construction Meeting will take place upon receipt of your building permit.

 X **Footing/Building Location Inspection: Prior to pouring concrete or setting precast piers**

 X **Foundation Inspection: Prior to placing ANY backfill for below grade occupiable space**

 X **Framing/Rough Plumbing/Electrical: Prior to Any Insulating or drywalling**

 X **Final/Certificate of Occupancy: Prior to any occupancy of the structure or use.**
NOTE: There is a \$75.00 fee per inspection at this point.

Certificate of Occupancy is not required for certain projects. Your inspector can advise you if your project requires a Certificate of Occupancy. All projects DO require a final inspection.

If any of the inspections do not occur, the project cannot go on to the next phase, REGARDLESS OF THE NOTICE OR CIRCUMSTANCES.

CERIFICATE OF OCCUPANICES MUST BE ISSUED AND PAID FOR, BEFORE THE SPACE MAY BE OCCUPIED.

Signature of Applicant/Designee

Thomas M. Mahala

Signature of Inspections Official

Date

11/13/09

Date

PERMIT ISSUED

NOV 13 2009

City of Portland



General Building Permit Application

If 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.

| | | |
|--|---|--|
| Location/Address of Construction: <u>395 ALLEN AVE</u> | | |
| Total Square Footage of Proposed Structure/Area <u>1480</u> | Square Footage of Lot <u>10208</u> | Number of Stories <u>1</u> |
| Tax Assessor's Chart, Block & Lot Chart# <u>401</u> Block# <u>A-013</u> Lot# <u>201</u> | Applicant * must be owner, Lessee or Buyer * Name <u>DAVID JONES</u> Address <u>56 BROADWAY</u> City, State & Zip <u>SO PORTLAND ME 04106</u> | Telephone: <u>207-799-0973</u> <u>207 838-7490</u> |
| Lessee/DBA (If Applicable) | Owner (if different from Applicant) Name <u>SEA STREET PERMITES INC</u> Address <u>56 BROADWAY</u> City, State & Zip <u>SO PORTLAND ME 04106</u> | Cost Of Work: \$ <u>115,000</u> C of O Fee: \$ <u>1143</u> <u>75</u> <u>+ 300</u> Total Fee: \$ <u>116,423</u> |
| Current legal use (i.e. single family) <u>Single Family</u> Number of Residential Units <u>0</u> If vacant, what was the previous use? <u>LAWN</u> Proposed Specific use: <u>HOME</u> Is property part of a subdivision? <u>YES</u> If yes, please name _____ Project description: <u>Build single family HOME - 3 Bedrooms 2 Bath</u> | | |
| Contractor's name: <u>DAVID JONES</u> Address: <u>56 BROADWAY</u> City, State & Zip <u>SO PORTLAND ME</u> Telephone: <u>799-0973</u> Who should we contact when the permit is ready: <u>DAVID JONES</u> Telephone: <u>838-7490</u> Mailing address: <u>56 BROADWAY SO PORTLAND ME 04106</u> | | |

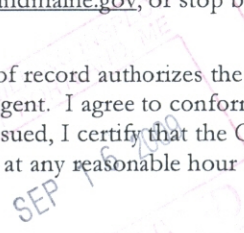
Please submit all of the information outlined on the applicable Checklist. Failure to do so will result in the automatic denial of your permit.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information or to download copies of this form and other applications visit the Inspections Division on-line at www.portlandmaine.gov, or stop by the Inspections Division office, room 315 City Hall or call 874-8703.

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work 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 a permit for work 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 permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature: [Signature] Date: 7/23/2004

This is not a permit; you may not commence ANY work until the permit is issue



395 ALLEN Ave

09-1024

401-A-13

| ONE AND TWO FAMILY | PLAN REVIEW | CHECKLIST | | |
|---|---|-----------|-----------|------|
| Soil type/Presumptive Load Value (Table R401.4.1) _____ | | | | |
| Component | Submitted Plan | Findings | Revisions | Date |
| STRUCTURAL Footings Dimensions/Depth (Table R403.1 & R403.1(1), (Section R403.1 & R403.1.4.1) | min 1x2 laced footing 10" reinforced wall | OK | | |
| Foundation Drainage, Fabric, Damp proofing (Section R405 & R406) | Crushed stone, 4" perimeter drain sack - fabric - water proofing | OK | | |
| Ventilation/Access (Section R408.1 & R408.3) Crawls Space ONLY | NA | OK | | |
| Anchor Bolts/Straps, spacing (Section R403.1.6) | 1/2 anchor Bolts #6" x | OK | | |
| Lally Column Type (Section R407) | typical concrete filled lally's in footing 2x2 4x4 or 4x6 | OK | | |
| Girder & Header Spans (Table R 502.5(2)) | | | | |
| Built-Up Wood Center Girder Dimension/Type | 3(2x12's) | | | |
| Sill/Band Joist Type & Dimensions | 2x6 pt Sill | | | |
| First Floor Joist Species Dimensions and Spacing (Table R502.3.1(1) & Table R502.3.1(2)) | 2x10 16" OC | | | |
| Second Floor Joist Species Dimensions and Spacing (Table R502.3.1(1) & Table R502.3.1(2)) | 2x10 16" OC | | | |
| Attic or additional Floor Joist Species Dimensions and Spacing (Table R802.4(1) and R802.4(2)) | NA | NA | | |

| | | |
|---|--|----|
| Pitch, Span, Spacing & Dimension (Table R802.5.1(1) - R 802.5.1(8)) Roof Rafter; Framing & Connections (Section R802.3 & R802.3.1) | Engineered trusses - 6/12 pitch Simpson truss strapping cantilever style truss | OK |
| Sheathing; Floor, Wall and roof (Table R503.2.1.1(1)) | 1/2 sheathing roof 1/2 wall 3/4 T + G sub floor | OK |
| Fastener Schedule (Table R602.3(1) & (2)) | per IRC 2003 | OK |
| Private Garage (Section R309) Living Space ? (Above or beside) Fire separation (Section R309.2) Opening Protection (Section R309.1) | NA | NA |
| Emergency Escape and Rescue Openings (Section R310) | Egress windows | OK |
| Roof Covering (Chapter 9) | 20 year shingles - 6" ice shield 1/2 sheathing | OK |
| Safety Glazing (Section R308) | OK | OK |
| Attic Access (Section R807) | NA | NA |
| Chimney Clearances/Fire Blocking (Chap. 10) | NA | NA |
| Header Schedule (Section 502.5(1) & (2)) | 4x4 or 4x6 (non bearing) | OK |
| Energy Efficiency (N1101.2.1) R-Factors of Walls, Floors, Ceilings, Building Envelope, U-Factor Fenestration | R38 ceiling - R21 walls + 35 windows | OK |

| | | |
|---|--|------------------------------------|
| Type of Heating System | | |
| Means of Egress (Sec R311 & R312) Basement Number of Stairways Interior Exterior Treads and Risers (Section R311.5.3) Width (Section R311.5.1) Headroom (Section R311.5.2) Guardrails and Handrails (Section R312 & R311.5.6 - R311.5.6.3) | 1 2 2 7 3/4 max rise 10" net tread min 36 inch 6" min 7" min 36 min guards 34-38 Handrails | OK |
| Smoke Detectors (Section R313) Location and type/Interconnected | Each Bedroom & all levels hard wired - interconnected battery back-up | OK |
| Draftstopping (Section R502.12) and Fireblocking (Section (R602.8) | per IRC 2003 | |
| Dwelling Unit Separation (Section R317) and IBC - 2003 (Section 1207) | NA | OK |
| Deck Construction (Section R502.2.1) | Rear porch - 4" square tubes - (N/A) 2x16 pt runners Column TBD | OK for porch no deck |

Ann Machado - 395 Allen Ave. Single Family Site Plan Review

From: Philip DiPierro
To: Machado, Ann
Date: 9/24/2009 4:03 PM
Subject: 395 Allen Ave. Single Family Site Plan Review

Hi Ann, this site plan is missing quite a bit of information. The following needs to be added to the site plan, basically everything in the checklist.

- A stamped boundary survey with the building located on the lot for this site.
- Need to show dimensions of parking areas and driveway.
- Need to show proposed grades.
- Need to show an erosion control plan with silt fence/wood waste berm.
- Need to show utilities - water, sewer, electric, gas, etc.
- Need to show 2 street trees meeting minimum requirements.
- Need to show FF or sill elevations.
- Need to show outlet for perimeter/foundation drain.
- House elevations need to match grading contours.

*building plans
need to match
building on
site plan*

Do I need to contact him or are you going to? Let me know how you want to handle this one.

Thanks.

phil

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

2009-0070

Application I. D. Number

9/16/2009

Application Date

Single Family Home

Project Name/Description

Sea Street Properties Inc

Applicant

56 Broadway , South Portland , ME 04106

Applicant's Mailing Address

David Jones

Consultant/Agent

Agent Ph: (207)838-7490 Agent Fax:

Applicant or Agent Daytime Telephone, Fax

Marge Schmuckal

395 - 395 Allen Ave, Portland, Maine

Address of Proposed Site

401 A013001

Assessor's Reference: Chart-Block-Lot

Proposed Development (check all that apply): New Building Building Addition Change Of Use Residential Office Retail
 Manufacturing Warehouse/Distribution Parking Lot Apt 0 Condo 0 Other (specify) _____

0

| Proposed Building square Feet or # of Units | Acreage of Site | Proposed Total Disturbed Area of the Site | Zoning |
|---|-----------------|---|--------|
|---|-----------------|---|--------|

Check Review Required:

- | | | | |
|---|---|--|--|
| <input type="checkbox"/> Site Plan (major/minor) | <input type="checkbox"/> Zoning Conditional - PB | <input type="checkbox"/> Subdivision # of lots _____ | <input type="checkbox"/> Design Review |
| <input type="checkbox"/> Amendment to Plan - Board Review | <input type="checkbox"/> Zoning Conditional - ZBA | <input type="checkbox"/> Shoreland | <input type="checkbox"/> Historic Preservation |
| <input type="checkbox"/> Amendment to Plan - Staff Review | <input type="checkbox"/> Zoning Variance | <input type="checkbox"/> Flood Hazard | <input type="checkbox"/> Site Location |
| <input type="checkbox"/> After the Fact - Major | <input type="checkbox"/> Stormwater | <input type="checkbox"/> Traffic Movement | <input type="checkbox"/> Housing Replacement |
| <input type="checkbox"/> After the Fact - Minor | <input type="checkbox"/> PAD Review | <input type="checkbox"/> 14-403 Streets Review | <input type="checkbox"/> Other _____ |

Fees Paid: Site Plan \$50.00 Subdivision _____ Engineer Review \$250.00 Date 9/17/2009

Zoning Approval Status:

Reviewer _____

- Approved Approved w/Conditions See Attached Denied

Approval Date _____ Approval Expiration _____ Extension to _____ Additional Sheets Attached

Condition Compliance _____ 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 Issue | _____ | | |
| | 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 | | expiration 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 | |

Applicant: David Jones
(owner Sea Street Properties)
Address: 395 Allen Ave.

Date: 9/21/09

C-B-L: 401-A-013
perm. # - 09 - 1024

CHECK-LIST AGAINST ZONING ORDINANCE

Date - new

Zone Location - R-3

Interior or corner lot -

Proposed Use/Work - build new single family - one story - 28' x 50'

Sevage Disposal - city

Lot Street Frontage - 50' min - 65, 99' (OK)

Front Yard - 25' min - 59.5' scaled (OK)

Rear Yard - 25' min - 33' scaled (OK)

Side Yard - 1s by 8' - right 19' scaled (OK)
- left 14' scaled to steps.

Projections - front deck 4' x 12' to steps, 4 x 3; right porch 7' x 3'; left entry 3' x 1'

Width of Lot - 65' min - 67' scaled (OK)

Height - 35' max - 22' scaled from lowest grade (OK)

Lot Area - 6,500 sq ft min - 10,208 sq ft (OK)

Lot Coverage Impervious Surface - 35% = 3572.8 sq ft

Area per Family - 6,500 sq ft (OK)

28 x 50 = 1400
4 x 12 = 48
4 x 3 = 12
7 x 3 = 21
3 x 1 = 3
= 1502 sq ft OK

Off-street Parking - 2 spaces required - 2 shown - 20' x 32' beyond front setback

Loading Bays - N/A

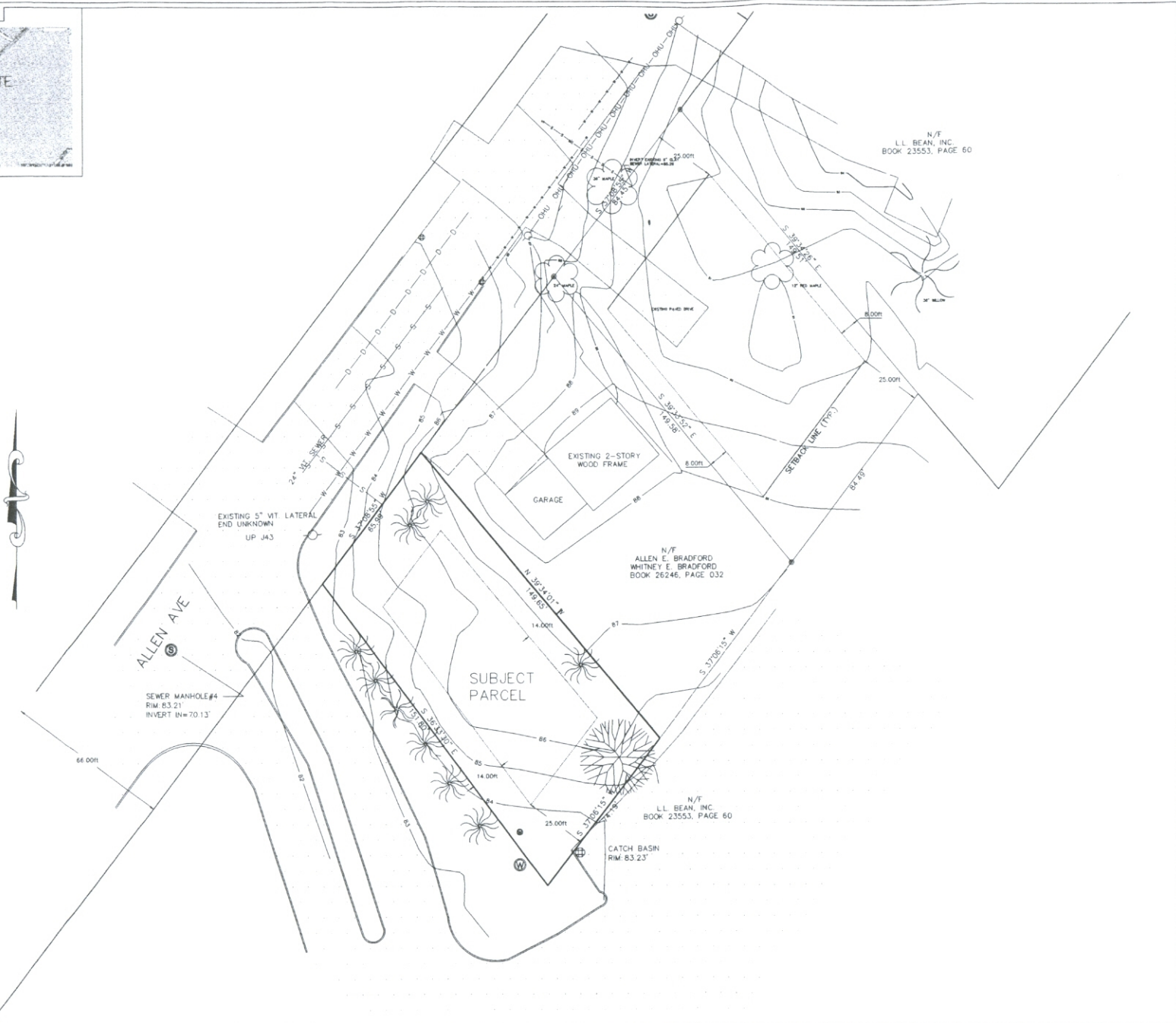
Site Plan - minor/minor 209-0070

Shoreland Zoning/Stream Protection - N/A

Flood Plains - panel 2 - zone X

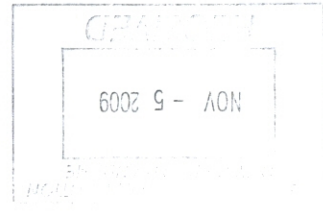
* partial day list basement

SITE LOCATION MAP



GENERAL NOTES

RECORD OWNERS OF PARCEL: SEA STREET PROPERTIES, INC. AS DESCRIBED IN A DEED RECORDED IN THE CUMBERLAND COUNTY REGISTRY OF DEEDS IN DEED BOOK 26110 PAGE 257
 BEARINGS BASED UPON THE MAINE STATE WEST ZONE 1802, NAD 83. ELEVATIONS BASED UPON N.V.G.D 1988 AS NOTED ON PLAN REFERENCE 1.
 SUBJECT PARCEL SHOWN ON THE CITY OF PORTLAND TAX MAP 401 BLOCK A LOT 015
 PLAN REFERENCE: BOUNDARY SURVEY OF PARCELS 7-9 405 ALLEN AVE. PORTLAND MAINE FOR AFFORDABLE PORTLAND HOMES 56 BROADWAY SOUTH PORTLAND, MAINE 04106 DATED JULY 9, 2008 AND PREPARED BY SEBAGO TECHNICS WESTBROOK MAINE.
 THERE WHERE NO EASEMENTS OF RECORD AT THE TIME OF THIS SURVEY.
 THE BOUNDARY LINES SHOWN HEREON ARE BASED UPON THE INFORMATION SHOWN ON PLAN REFERENCED ABOVE
 TOPOGRAPHICAL INFORMATION GATHERED BY OCEAN PARK LAND SURVEYING LLC ON NOVEMBER 01, 2009



ZONING

ZONING: R-3 RESIDENTIAL
 MINIMUM LOT SIZE: 6,500 SQ FT
 MINIMUM AREA PER DWELLING UNIT: 6,500 SQ FT
 MINIMUM STREET FRONTAGE: 50 FT
 MINIMUM YARD DIMENSIONS:
 FRONT - 25 FT. REAR - 25 FT.
 SIDE - 1-1/2 STORY: 8 FT. 2 STORIES: 14 FT.
 ON SIDE STREET: 20 FT.
 MAXIMUM LOT COVERAGE: 35%
 MINIMUM LOT WIDTH: 65 FT.
 MAXIMUM BUILDING HEIGHT: 35 FT.

FLOOD NOTE

BY GRAPHIC PLOTTING ONLY, THIS PROPERTY IS IN ZONE X OF THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 230051 2C, WHICH BEARS AN EFFECTIVE DATE OF DECEMBER 08, 1998 AND IS NOT IN A SPECIAL FLOOD HAZARD AREA.

LEGEND

- CRF ● Capped 5/8" Rebar Found (50.00') Distance from reference Pin or deed
- IPF ○ Iron Pipe Found
- SMH ● Sewer Manhole
- DMH ● Drain Manhole
- CB ● Catch Basin
- Abutter Line
- Property Line
- Street Line
- Setback Line
- Contour Line
- - - Old Lot Line
- () Lot Number
- Edge of traveled way
- Overhead Utility
- Utility Pole
- Direction of Bearing indicates Ownership in Common

EXISTING CONDITIONS PLAN
 AT 395 ALLEN AVE. PORTLAND, MAINE

FOR: SEA STREET PROPERTIES, INC.

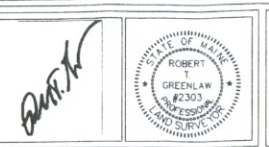
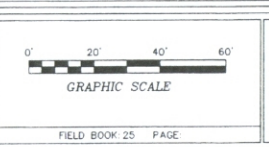
REVISIONS:

| | |
|--|--|
| | |
| | |
| | |
| | |

LOCATION: 395 ALLEN AVE. PORTLAND, MAINE 04103

STATE OF MAINE, CUMBERLAND SS
 REGISTRY OF DEEDS

RECEIVED: 2009
 AT: H M AND RECORDED IN
 PLAN BOOK: PAGE



CERTIFICATE

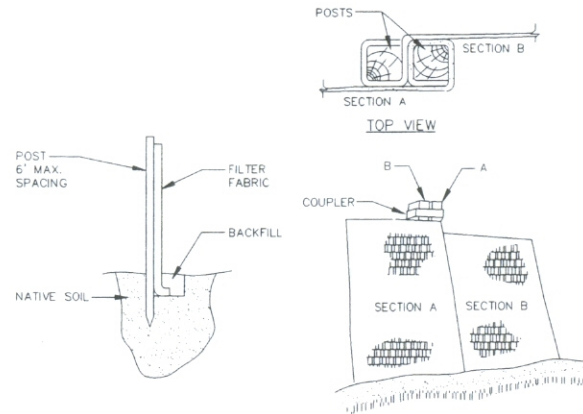
I HEREBY CERTIFY THAT THIS SURVEY CONFORMS TO THE MAINE BOARD OF LICENSURE FOR PROFESSIONAL LAND SURVEYORS' STANDARDS OF PRACTICE AS ADOPTED APRIL 01, 2001 WITH THE FOLLOWING EXCEPTIONS:
 a) NO WRITTEN REPORT
 b) NO NEW DESCRIPTION
 b) NO NEW CORNERS WERE SET

ROBERT T. GREENLAW P.L.S., #2303
 DATE: AUGUST 14, 2008

PREPARED BY:
OCEAN PARK LAND SURVEYING, LLC

P.O. BOX 7265
 OCEAN PARK, MAINE 04046
 207-749-9471 OCEANPARKLLC@GWI.NET

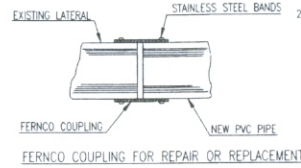
DRAWN BY: RTG
 CHECKED BY: MMB
 SCALE: 1" = 20'
 DATE OF SURVEY: 11/03/2009
 JOB NUMBER: 2008028
 SHEET: 1 OF 3
 DRAWER: 2008 NO. 028



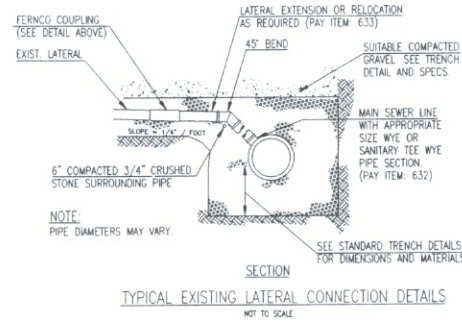
INSTALLATION:

1. EXCAVATE A 6" x 6" TRENCH ALONG THE LINE OF PLACEMENT FOR THE FILTER BARRIER.
2. UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH.
3. DRIVE POSTS INTO THE GROUND UNTIL APPROXIMATELY 2" OF FABRIC IS LYING ON THE TRENCH BOTTOM. JOIN SECTION AS SHOWN ABOVE.
4. LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH. BACKFILL THE TRENCH AND TAMP THE SOIL. TOE-IN CAN ALSO BE ACCOMPLISHED BY LAYING THE FABRIC FLAP ON UNDISTURBED GROUND AND PILING AND TAMPING FILL AT THE BASE, BUT MUST BE ACCOMPANIED BY AN INTERCEPTION DITCH.
5. BARRIER SHALL BE MIRAFI SILT FENCE OR APPROVED EQUAL.

FILTER BARRIER
NOT TO SCALE



FERROU COUPLING FOR REPAIR OR REPLACEMENT



SECTION
TYPICAL EXISTING LATERAL CONNECTION DETAILS
NOT TO SCALE

NOTE:

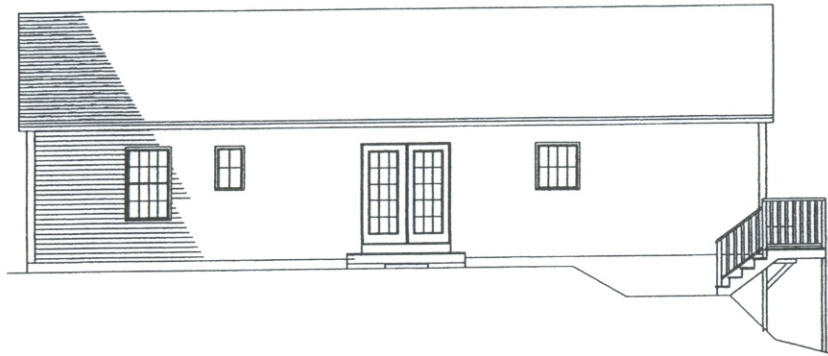
1. LOCATIONS AND ELEVATIONS OF STUBS SHOWN ON THE PLANS ARE TO BE CONSIDERED AS APPROXIMATE AND MAY BE ADJUSTED AS DIRECTED TO SUIT FIELD CONDITIONS.
2. HOUSE CONNECTIONS AND CATCH BASIN CONNECTIONS TO THE MAIN LINE OF THE SEWER, SHALL CONSIST OF AN APPROPRIATE "Y" BRANCH CONNECTION AS SHOWN ON THE PLANS OR AS DIRECTED. ACTUAL "Y" LOCATIONS FOR HOUSE CONNECTIONS AND CATCH BASIN CONNECTIONS SHALL BE DETERMINED DURING CONSTRUCTION. THE CONTRACTOR SHALL KEEP A COMPLETE RECORD OF "Y" LOCATIONS WHICH SHALL BE GIVEN TO THE CITY OF PORTLAND UPON COMPLETION OF THE CONTRACT.

PREPARED BY:
OCEAN PARK LAND SURVEYING, LLC
P.O. BOX 7265
OCEAN PARK, MAINE 04046
207-749-9471 OCEANPARKLLC@GMAIL.NET

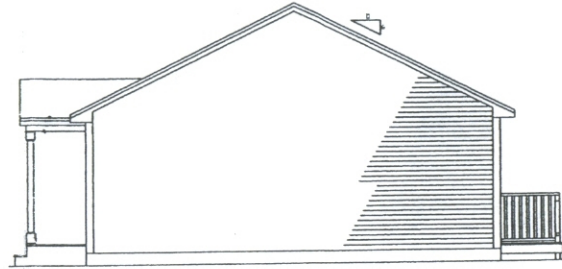
DETAIL SHEET
FOR:
SEA STREET PROPERTIES, INC.
359 ALLEN AVE. PORTLAND MAINE

DEPT. OF PUBLICS INSPECTION
CITY OF PORTLAND, ME
NOV - 5 2009

REAR ELEVATION



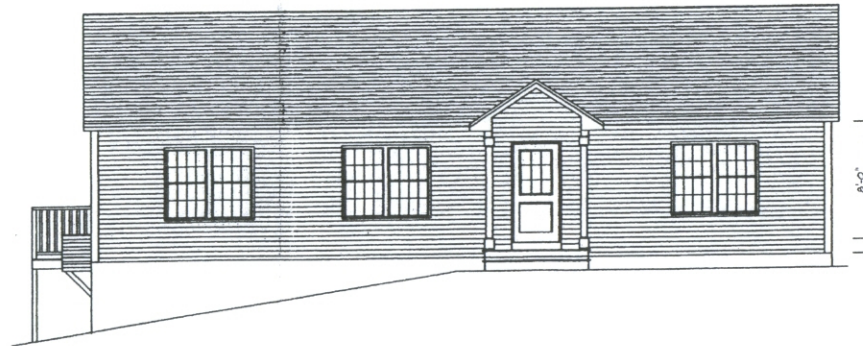
RIGHT ELEVATION



LEFT ELEVATION



FRONT ELEVATION



THESE DRAWINGS ARE COPY WRITTEN, AND AS SUCH CANNOT BE COPIED, CONSTRUCTED FROM, OR GIVEN TO A THIRD PARTY WITHOUT WRITTEN PERMISSION FROM HOUSE CALLS INC. THEY ARE TO BE USED FOR THE CONSTRUCTION OF ONE HOME ONLY FOR THE ADDRESS NAMED ON THESE DRAWINGS.

USE OR REPRODUCTION OF THESE DRAWINGS VIOLATES FEDERAL COPYRIGHT LAWS



HOUSE CALLS INC.
HOME PLANNING & DESIGN
151 ROOSEVELT TRAIL, WINDHAM, ME
207-892-2810

CLAY ALLEN AVE, PORTLAND
ELEVATIONS

SCALE 1/4" = 1'
DATE 11/08
DRAWN BY J. CALL
PAGE 1 OF 2

IN ACCEPTING THESE DRAWINGS, OWNER REALIZES THAT THEY ARE FOR PICTORIAL REFERENCE ONLY. THEY FURTHER UNDERSTAND THAT HOUSE CALLS INC. IS NOT AN ARCHITECTURAL OR ENGINEERING COMPANY. THEY FURTHER UNDERSTAND THAT IT IS THE BUILDER OR GENERAL CONTRACTOR'S RESPONSIBILITY TO SEE THAT THIS HOME IS BUILT ACCORDING TO ALL STATE AND LOCAL BUILDING CODES THAT ARE IN EFFECT AT THE TIME OF CONSTRUCTION. THE OWNER AND THE BUILDER WILL SO OVEER THESE DRAWINGS BEFORE CONSTRUCTION STARTS TO VERIFY THAT THEY ARE SUITABLE FOR THEIR NEEDS, AND TO VERIFY THAT ALL MEASUREMENTS ARE WHAT THEY WANT. IF ANY ERRORS ARE FOUND, HCC WILL GLADLY CORRECT THEM BEFORE CONSTRUCTION STARTS.

WINDOW NOTES:
 ANY DOOR OR WINDOW SIZES, STYLES OR LOCATIONS SHOWN ON THIS PLAN ARE RECOMMENDATIONS ONLY. THE BUYER WILL DECIDE DOOR AND WINDOW BRANDS, STYLES, AND EXACT LOCATIONS BEFORE CONSTRUCTION STARTS. THE ACTUAL LOCATION OF THE KITCHEN WINDOW MAY BE CHANGED BY THE FINAL CABINET LAYOUT. THE KITCHEN WINDOW MEASUREMENT IS FROM THE SIDE OF THE SILL AND ALLOWED 1/2" FOR DRYWALL. HCI RECOMMENDS AN ABRASION WINDOW IN THE KITCHEN. ALL WINDOWS MUST HAVE AT LEAST ONE EXTERIOR WINDOW. BATHROOM WINDOWS SHOULD BE SAFETY GLASS, CHECK WITH C.E.O.

TRNG. STRUCTURAL:
 ALL OPENINGS OVER 6" ARE TO HAVE DOUBLE JACKS ON EACH SIDE. ALL HEADERS ARE TO BE BUILT UP 4"x4" OR 4"x6" IN NON-BIRD BALLS AND 6"x6" IN BIRD BALLS. ALL PARTITION STUDS AND CORNER STUDS ARE TO BE INSULATED. THE FINAL KITCHEN DESIGN IS TO BE DONE BY OTHERS.

PLEASE GO OVER ALL MEASUREMENTS BEFORE CONSTRUCTION AND VERIFY THAT THEY ARE WHAT YOU WANT.

BUILDER TO GO OVER THESE PLANS BEFORE CONSTRUCTION STARTS AND VERIFY THAT THEY ARE SUITABLE FOR THEIR NEEDS. IF ANY CHANGES OR ALTERATIONS ARE NEEDED, OR IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT JOHN AT HCI.

WINDOW SCHEDULE ON PLAN:

- (A) DOOR / BORDEN
- (B) DOOR / BORDEN
- (C) CASE TERRAZZO
- (D) ALUMINUM
- (E) DAYLIGHT BASEMENT BY BUILDER

WINDOW SCHEDULE:

| SIZE AND STYLE | ROUGH OPENING | QUANTITY |
|----------------|---------------|----------|
| (A) | | 3 |
| (B) | | 1 |
| (C) | | 2 |
| (D) | | 1 |

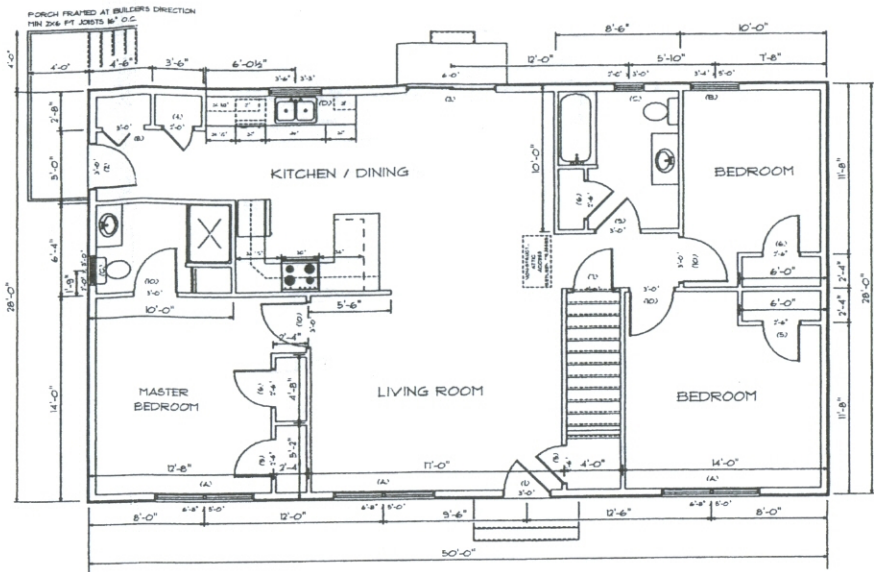
EXTERIOR DOOR SCHEDULE:

| SIZE AND STYLE | ROUGH OPENING | QUANTITY |
|----------------|---------------|----------|
| (A) | | 1 |
| (B) | | 1 |
| (C) | | 1 |
| (D) | | 1 |

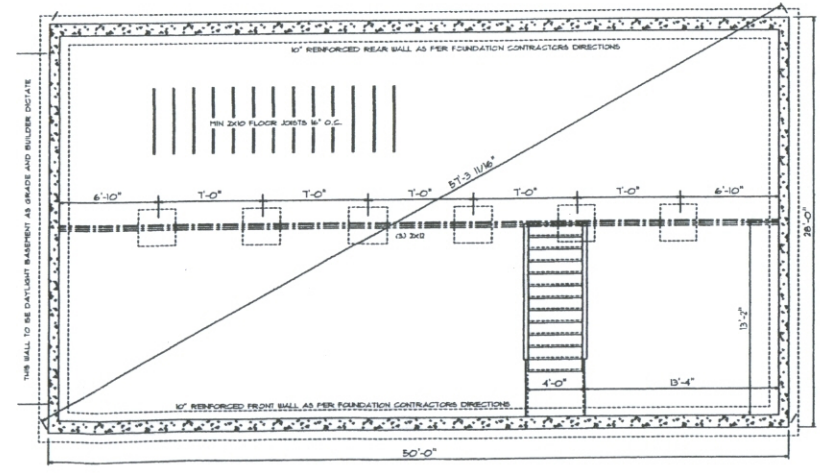
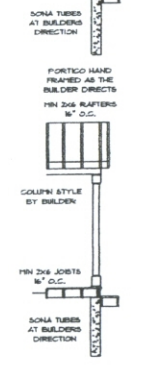
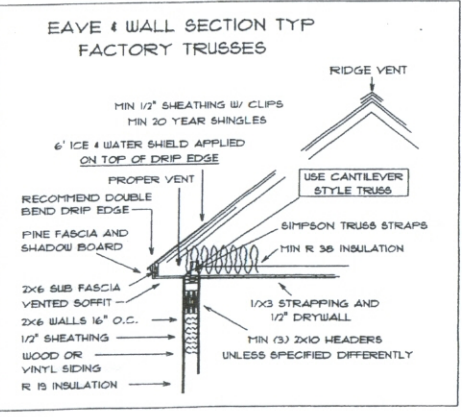
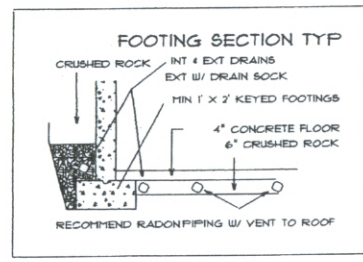
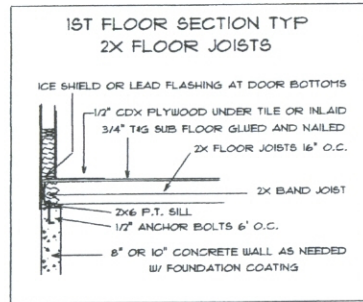
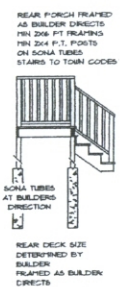
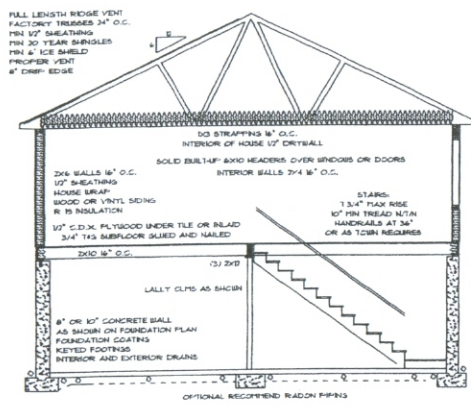
INTERIOR DOOR SCHEDULE:

| SIZE AND STYLE | ROUGH OPENING | QUANTITY |
|----------------|---------------|----------|
| (A) | | 1 |
| (B) | | 3 |
| (C) | | 3 |
| (D) | | 1 |
| (E) | | 1 |
| (F) | | 1 |
| (G) | | 1 |
| (H) | | 1 |
| (I) | | 1 |
| (J) | | 4 |

VERIFY ALL WINDOW AND DOOR STYLES, SIZES, SCHEDULES, AND QUANTITIES BEFORE ORDERING.



THE TRUSSES SHOWN ARE REPRESENTATIONS ONLY - THE ACTUAL TRUSSES ARE TO BE DESIGNED BY THE MANUFACTURER. TRUSSES ARE TO BE DESIGNED FOR APPROPRIATE SNOW LOADS FOR THE AREA IN WHICH THIS HOUSE WILL BE BUILT. TRUSSES ARE TO BE CANTILEVER STYLE FOR BETTER INSULATION ABOVE THE WALLS. TAKE ALL TRUSS MEASUREMENTS OFF THE FLOOR PLANS. CALL JOHN AT HCI IF THERE ARE ANY QUESTIONS.



THESE DRAWINGS ARE COPY WRITTEN AND AS SUCH CANNOT BE COPIED, CONSTRUCTED FROM, OR GIVEN TO A THIRD PARTY WITHOUT WRITTEN PERMISSION FROM HOUSE CALLS INC. THEY ARE TO BE USED FOR THE CONSTRUCTION OF ONE HOME ONLY FOR THE ADDRESS NAMED ON THESE DRAWINGS.
 USE OR REPRODUCTION OF THESE DRAWINGS VIOLATES FEDERAL COPYRIGHT LAWS

HOUSE CALLS INC.
 HOME PLANNING & DESIGN
 151 ROOSEVELT TRAIL, WINDHAM, ME
 207-892-2810

LOT ALLEN AVE, PORTLAND
 SHEET J. CALL
 FLOOR PLAN FOUNDATION & STRUCT.

SCALE 1/4" = 1'
 108 2 OF 2
 DATE *AGE

IN ACCEPTING THESE DRAWINGS OWNERS REALIZE THAT THEY ARE FOR PICTORIAL REFERENCE ONLY. THEY FURTHER UNDERSTAND THAT HOUSE CALLS INC. IS NOT AN ARCHITECTURAL OR ENGINEERING COMPANY. THEY FURTHER UNDERSTAND THAT IT IS THE BUILDER OR GENERAL CONTRACTOR'S RESPONSIBILITY TO SEE THAT THIS HOME IS BUILT ACCORDING TO ALL STATE AND LOCAL BUILDING CODES THAT ARE IN EFFECT AT THE TIME OF CONSTRUCTION. THE OWNERS AND THE BUILDER WILL GO OVER THESE DRAWINGS BEFORE CONSTRUCTION STARTS TO VERIFY THAT THEY ARE SUITABLE FOR THEIR NEEDS AND TO VERIFY THAT ALL REQUIREMENTS ARE WHAT THEY WANT. IF ANY ERRORS ARE FOUND, HCI WILL GLADLY CORRECT THEM BEFORE CONSTRUCTION STARTS.



CITY OF PORTLAND, MAINE
Department of Building Inspection

Certificate of Occupancy

LOCATION 395 ALLEN AVE CBL 401 A013001

Issued to Sea Street Properties Inc /David Jones Date of Issue 08/11/2010

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. 09-1024, 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

Entire

APPROVED OCCUPANCY

Single Family Residence
Use Group R3
Construction Type 5B
IRC 2003

Limiting Conditions: None

This certificate supersedes
certificate issued

Approved:

8-11-10 [Signature] _____

(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.

Memorandum
Department of Planning and Urban Development
Planning Division



TO: Inspections Department

FROM: Philip DiPierro, Development Review Coordinator

DATE: August 11, 2010

RE: C. of O. for # 395 Allen Avenue, Pizzo Single Family
(Id#2009-0070) (CBL 401 A 013001)

After visiting the site, I have the following comments:

Site work complete:

At this time, I recommend issuing a **Permanent Certificate of Occupancy**.

Cc: Inspection Services Manager
File: Barbara Barhydt, Development Review Services Manager
File: Urban Insight

Suzanne Hunt - 395 Allen Ave., Pizzo Single Family - Permanent CO

From: Philip DiPierro
To: Code Enforcement & Inspections
Date: 8/11/2010 8:09 AM
Subject: 395 Allen Ave., Pizzo Single Family - Permanent CO
Attachments: Permanent CO 8-11-10.doc

Hi all, this project meets minimum DRC site plan requirements for the issuance of a Permanent CO. Please see attached and UI for sign off.

Thanks.

phil

| Job | Truss | Truss Type | Qty | Ply | HAMMOND/ BEDARD/ SAM |
|--------|-------|------------|-----|-----|--------------------------|
| 613543 | 1002 | GER | 2 | 1 | Job Reference (optional) |

Boise Structural Solutions, Biddeford, ME 04005, SAM

7.230 s Apr 22 2010 MiTek Industries, Inc. Tue Jun 29 14:36:11 2010 Page 2

NOTES (13)

- 1) Wind: ASCE 7-05; 120mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 10-0-0, Exterior(2) 10-0-0 to 13-0-0, Interior(1) 16-0-0 to 24-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
- 3) TLL: ASCE 7-05; Pf=60.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct=1.1
- 4) Unbalanced snow loads have been considered for this design.
- 5) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 60.0 psf on overhangs non-concurrent with other live loads.
- 6) All plates are 1.5x4 MT20 unless otherwise indicated.
- 7) Gable requires continuous bottom chord bearing.
- 8) Gable studs spaced at 2-0-0 oc.
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 128 lb uplift at joint 2, 148 lb uplift at joint 14, 78 lb uplift at joint 23, 95 lb uplift at joint 24, 98 lb uplift at joint 25, 132 lb uplift at joint 26, 197 lb uplift at joint 27, 78 lb uplift at joint 20, 94 lb uplift at joint 19, 98 lb uplift at joint 18, 132 lb uplift at joint 17 and 197 lb uplift at joint 16.
- 12) This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 13) Drawing prepared exclusively for manufacturing by BOISE.

LOAD CASE(S) Standard

| Job | Truss | Truss Type | Qty | Ply | HAMMOND/ BEDARD/ SAM |
|--------|-------|------------|-----|-----|--------------------------|
| 613543 | 1000 | REG | 10 | 1 | Job Reference (optional) |

Boise Structural Solutions, Biddeford, ME 04005, SAM 7.230 s Apr 22 2010 MiTek Industries, Inc. Tue Jun 29 14:36:07 2010 Page 2

NOTES (10)

- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) WARNING: Required bearing size at joint(s) 2, 6 greater than input bearing size.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 639 lb uplift at joint 2 and 639 lb uplift at joint 6.
- 9) This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) Drawing prepared exclusively for manufacturing by BOISE.

LOAD CASE(S) Standard

| Job | Truss | Truss Type | Qty | Ply | HAMMOND/ BEDARD/ SAM |
|--------|-------|------------|-----|-----|--------------------------|
| 613543 | 1001 | SCI | 10 | 1 | Job Reference (optional) |

Boise Structural Solutions, Biddeford, ME 04005, SAM

7.230 s Apr 22 2010 MiTek Industries, Inc. Tue Jun 29 14:36:08 2010 Page 2

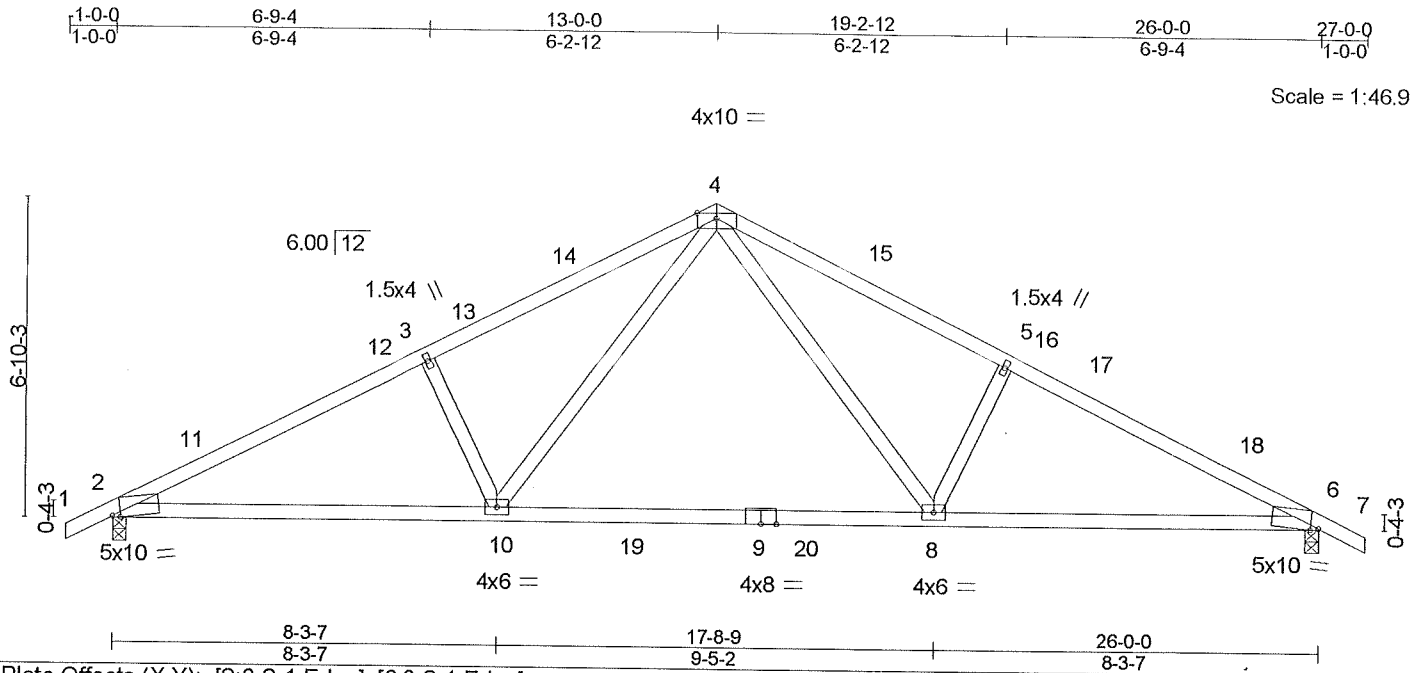
NOTES (11)

- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 8) Bearing at joint(s) 2, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 639 lb uplift at joint 2 and 639 lb uplift at joint 8.
- 10) This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 11) Drawing prepared exclusively for manufacturing by BOISE.

LOAD CASE(S) Standard

| | | | | | |
|--------|-------|------------|-----|-----|--------------------------|
| Job | Truss | Truss Type | Qty | Ply | HAMMOND/ BEDARD/ SAM |
| 613543 | 1000 | REG | 10 | 1 | Job Reference (optional) |

Boise Structural Solutions, Biddeford, ME 04005, SAM 7.230 s Apr 22 2010 MiTek Industries, Inc. Tue Jun 29 14:36:06 2010 Page 1



| LOADING (psf) | | SPACING | | CSI | | DEFL | | | | PLATES | GRIP | | |
|------------------|-------|----------------------|-------|----------|------|----------|-------|------|------|--------|------|---------------|---------|
| TCLL | 60.0 | Plates Increase | 2-0-0 | TC | 0.88 | Vert(LL) | -0.42 | 8-10 | >743 | L/d | 240 | MT20 | 197/144 |
| (Roof Snow=60.0) | | Lumber Increase | 1.15 | BC | 0.99 | Vert(TL) | -0.65 | 8-10 | >472 | | 180 | | |
| TCDL | 10.0 | Rep Stress Incr | YES | WB | 0.27 | Horz(TL) | 0.13 | 6 | n/a | n/a | | | |
| BCLL | 0.0 * | Code IRC2006/TPI2002 | | (Matrix) | | | | | | | | Weight: 91 lb | FT = 0% |
| BCDL | 10.0 | | | | | | | | | | | | |

LUMBER
 TOP CHORD 2 X 4 SPF 2100F 1.8E
 BOT CHORD 2 X 4 SPF 1650F 1.5E
 WEBS 2 X 4 SPF 1650F 1.5E

BRACING
 TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=2292/0-3-10 (input: 0-3-8), 6=2292/0-3-10 (input: 0-3-8)
 Max Horz2=156(LC 7)
 Max Uplift2=-639(LC 8), 6=-639(LC 9)

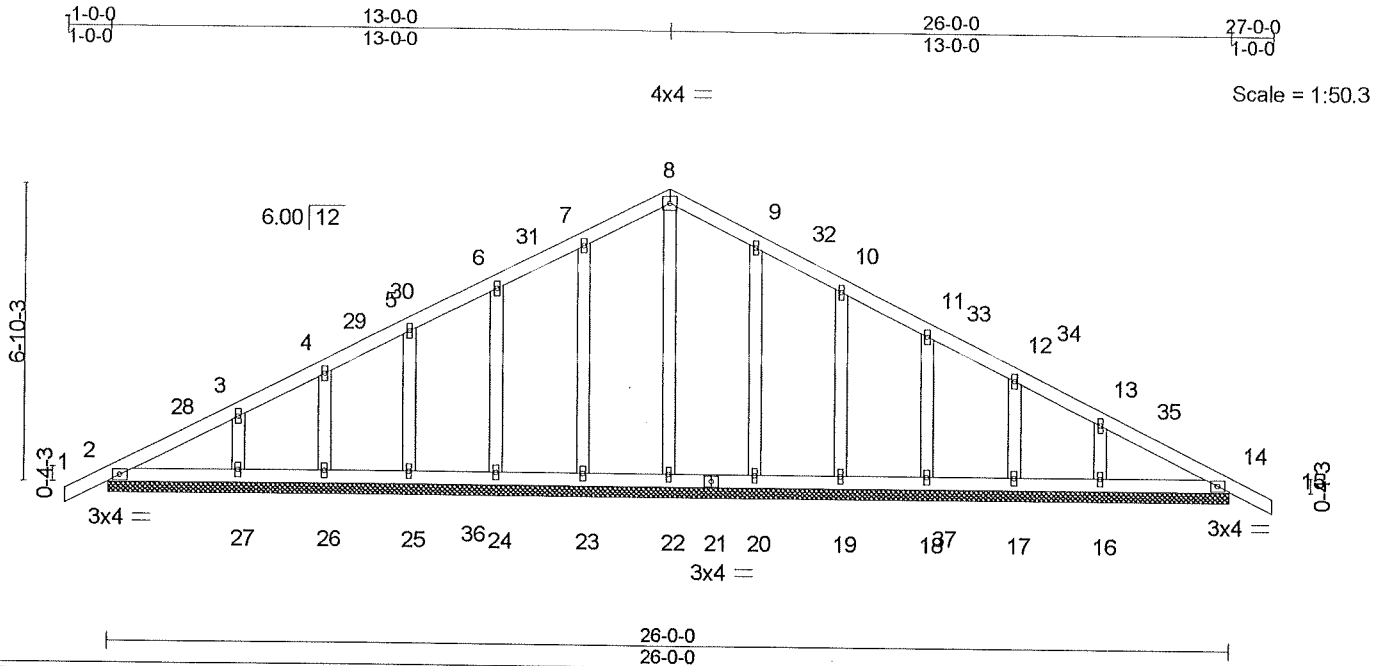
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/60, 2-11=-3878/1012, 11-12=-3665/1019, 12-13=-3498/1037, 3-13=-3447/1038,
 3-14=-3482/1070, 4-14=-3258/1086, 4-15=-3258/1086, 5-15=-3482/1070,
 5-16=-3447/1038, 16-17=-3498/1037, 17-18=-3665/1019, 6-18=-3878/1012, 6-7=0/60
 BOT CHORD 2-10=-718/3285, 10-19=-365/2175, 9-19=-365/2175, 9-20=-365/2175, 8-20=-365/2175,
 6-8=-718/3285
 WEBS 3-10=-1041/412, 4-10=-344/1533, 4-8=-344/1533, 5-8=-1041/412

- NOTES** (10)
- 1) Wind: ASCE 7-05; 120mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 10-0-0, Exterior(2) 10-0-0 to 13-0-0, Interior(1) 16-0-0 to 24-0-0 zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pf=60.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct=1.1
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 60.0 psf on overhangs non-concurrent with other live loads.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

| | | | | | |
|--------|-------|------------|-----|-----|--------------------------|
| Job | Truss | Truss Type | Qty | Ply | HAMMOND/ BEDARD/ SAM |
| 613543 | 1002 | GER | 2 | 1 | Job Reference (optional) |

Boise Structural Solutions, Biddeford, ME 04005, SAM 7.230 s Apr 22 2010 MiTek Industries, Inc. Tue Jun 29 14:36:11 2010 Page 1



| LOADING (psf) | | SPACING | | CSI | | DEFL | | | | PLATES | GRIP | |
|------------------|-------|----------------------|-----------------|----------|------|----------|-------|-------|--------|--------|----------------|---------|
| TCLL | 60.0 | 2-0-0 | Plates Increase | 1.15 | TC | 0.16 | in | (loc) | l/defl | L/d | MT20 | 197/144 |
| (Roof Snow=60.0) | | Lumber Increase | 1.15 | BC | 0.05 | Vert(LL) | -0.01 | 15 | n/r | 180 | | |
| TCDL | 10.0 | Rep Stress Incr | YES | WB | 0.15 | Vert(TL) | -0.01 | 15 | n/r | 120 | | |
| BCLL | 0.0 * | Code IRC2006/TPI2002 | | (Matrix) | | Horz(TL) | 0.01 | 14 | n/a | n/a | | |
| BCDL | 10.0 | | | | | | | | | | Weight: 110 lb | FT = 0% |

LUMBER
 TOP CHORD 2 X 4 SPF 1650F 1.5E
 BOT CHORD 2 X 4 SPF 1650F 1.5E
 OTHERS 2 X 4 SPF 1650F 1.5E

BRACING
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=380/26-0-0, 14=380/26-0-0, 22=374/26-0-0, 23=400/26-0-0, 24=400/26-0-0, 25=350/26-0-0, 26=272/26-0-0, 27=450/26-0-0, 20=400/26-0-0, 19=400/26-0-0, 18=350/26-0-0, 17=272/26-0-0, 16=450/26-0-0
 Max Horz 2=156(LC 7)
 Max Uplift 2=-128(LC 8), 14=-148(LC 9), 23=-78(LC 8), 24=-95(LC 9), 25=-98(LC 8), 26=-132(LC 8), 27=-197(LC 8), 20=-78(LC 8), 19=-94(LC 8), 18=-98(LC 9), 17=-132(LC 9), 16=-197(LC 9)
 Max Grav 2=380(LC 1), 14=380(LC 1), 22=374(LC 1), 23=540(LC 2), 24=528(LC 2), 25=448(LC 2), 26=272(LC 1), 27=450(LC 2), 20=540(LC 3), 19=528(LC 3), 18=448(LC 3), 17=272(LC 1), 16=450(LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/58, 2-28=-169/64, 3-28=-158/78, 3-4=-103/106, 4-29=-89/127, 29-30=-38/127, 5-30=-34/132, 5-6=-117/181, 6-31=-117/247, 7-31=-29/253, 7-8=-124/341, 8-9=-124/341, 9-32=-29/253, 10-32=-117/247, 10-11=-117/182, 11-33=-6/116, 33-34=-26/111, 12-34=-89/110, 12-13=-103/45, 13-35=-92/68, 14-35=-125/0, 14-15=0/58
BOT CHORD 2-27=0/191, 26-27=0/191, 25-26=0/191, 25-36=0/191, 24-36=0/191, 23-24=0/191, 22-23=0/191, 21-22=0/191, 20-21=0/191, 19-20=0/191, 19-37=0/191, 18-37=0/191, 17-18=0/191, 16-17=0/191, 14-16=0/191
WEBS 8-22=-254/0, 7-23=-420/172, 6-24=-406/143, 5-25=-385/133, 4-26=-248/154, 3-27=-375/227, 9-20=-420/172, 10-19=-406/143, 11-18=-385/133, 12-17=-248/154, 13-16=-375/226

| | | | | | |
|--------|-------|------------|-----|-----|--------------------------|
| Job | Truss | Truss Type | Qty | Ply | HAMMOND/ BEDARD/ SAM |
| 613543 | 1001 | SCI | 10 | 1 | Job Reference (optional) |

Boise Structural Solutions, Biddeford, ME 04005, SAM 7.230 s Apr 22 2010 MiTek Industries, Inc. Tue Jun 29 14:36:08 2010 Page 1



Scale = 1:47.4

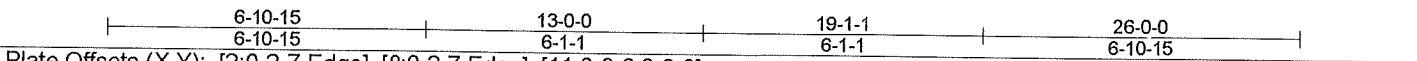
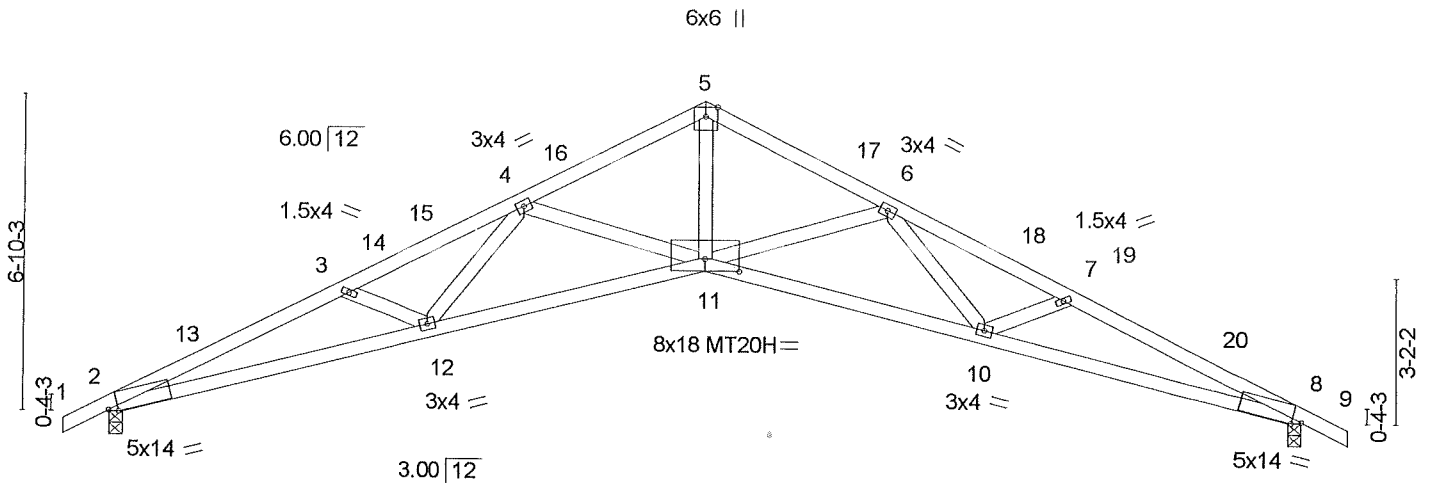


Plate Offsets (X,Y): [2:0-2-7, Edge], [8:0-2-7, Edge], [11:0-9-0, 0-3-3]

| LOADING (psf) | | SPACING | | CSI | | DEFL | | | | PLATES | | GRIP | |
|------------------|-------|----------------------|-------|----------|------|----------|-------|-------|------|--------|---------------|---------|---------|
| TCLL | 60.0 | Plates Increase | 2-0-0 | TC | 0.93 | Vert(LL) | -0.69 | 11 | >448 | L/d | 240 | MT20 | 197/144 |
| (Roof Snow=60.0) | | Lumber Increase | 1.15 | BC | 0.83 | Vert(TL) | -1.05 | 10-11 | >295 | L/d | 180 | MT20H | 148/108 |
| TCDL | 10.0 | Rep Stress Incr | YES | WB | 0.55 | Horz(TL) | 0.74 | 8 | n/a | n/a | | | |
| BCLL | 0.0 * | Code IRC2006/TPI2002 | | (Matrix) | | | | | | | | | |
| BCDL | 10.0 | | | | | | | | | | | | |
| | | | | | | | | | | | Weight: 91 lb | FT = 0% | |

LUMBER

TOP CHORD 2 X 4 SPF 1650F 1.5E
 BOT CHORD 2 X 4 SPF 2100F 1.8E
 WEBS 2 X 4 SPF 1650F 1.5E

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-7-12 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-6-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=2217/0-3-8, 8=2217/0-3-8
 Max Horz 2=-157(LC 6)
 Max Uplift 2=639(LC 8), 8=639(LC 9)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/56, 2-13=-6842/1780, 3-13=-6679/1797, 3-14=-6217/1630, 14-15=-6130/1636,
 4-15=-6093/1650, 4-16=-4574/1207, 5-16=-4455/1226, 5-17=-4455/1226,
 6-17=-4574/1207, 6-18=-6093/1650, 18-19=-6130/1636, 7-19=-6217/1630,
 7-20=-6679/1797, 8-20=-6842/1780, 8-9=0/56
 BOT CHORD 2-12=-1462/6100, 11-12=-1117/5221, 10-11=-1117/5221, 8-10=-1462/6100
 WEBS 5-11=-772/3402, 3-12=-538/363, 4-12=-239/717, 4-11=-1512/453, 6-11=-1512/453,
 6-10=-244/717, 7-10=-538/368

NOTES (11)

- 1) Wind: ASCE 7-05; 120mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 10-0-0, Exterior(2) 10-0-0 to 13-0-0, Interior(1) 16-0-0 to 24-0-0 zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-05; Pf=60.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct=1.1
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 60.0 psf on overhangs non-concurrent with other live loads.
- 5) All plates are MT20 plates unless otherwise indicated.

Continued on page 2


Shipping Acknowledgment

Map Grid#: M-16

Page 1 of 1

Agility#:

Order#: 613543



Boise Cascade
Boise Building
Materials Distribution
Boise Structural Solutions

20 Pomerleau St.
Biddeford, Me 04005
Tel: 877-291-5276
Fax: 877-782-0999

Customer: MEPO04 - HAMMOND LUMBER LMC 0593
300 RIVERSIDE ST
PORTLAND, ME04103

Contact: DAVE LARRABEE

Job Name: BEDARD

395 ALLEN AVENUE
OFF ROUTE 100, SITE ON RIGHT AFTER RITE AID
PORTLAND, ME04101

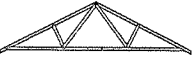


Prepared By:
MICHAEL

Date Ordered:
06/28/2010

Customer PO#:
81072676


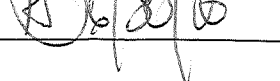
Customer Phone#:
207 771-8880

ROOF TRUSSES

| PROFILE | LABL | QTY | QTY SHPPD | QTY BK ORD | OVRALL LGTH | PITCH | | TYPE | OVERHANG | | CANTILEVER | | HEIGHT | SHIPPING DATE | F/D |
|--|------|-----|-----------|------------|-------------|-------|------|------|----------|----------|------------|----------|----------|---------------|-----|
| | | PLY | | | WEIGHT | TOP | BOT | | LEFT | RIGHT | LEFT | RIGHT | | | |
|  | 100 | 10 | 0 | 0 | 26-00-00 | 6.00 | 0.00 | REG | 01-00-00 | 01-00-00 | 00-00-00 | 00-00-00 | 07-03-15 | 6/30/2010 | N |
| | | 1 | | | 910 lbs | | | | | | | | | | |
|  | 100 | 10 | 0 | 0 | 26-00-00 | 6.00 | 3.00 | SCI | 01-00-00 | 01-00-00 | 00-00-00 | 00-00-00 | 07-03-15 | 6/30/2010 | N |
| | | 1 | | | 910 lbs | | | | | | | | | | |
|  | 100 | 2 | 0 | 0 | 26-00-00 | 6.00 | 0.00 | GER | 01-00-00 | 01-00-00 | 00-00-00 | 00-00-00 | 07-03-15 | 6/30/2010 | N |
| | | 1 | | | 220 lbs | | | | | | | | | | |

Total Weight: 2040 lbs

Customer Copy

Customer: 
Driver: 

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8. **DELIVERY.** Boise reserves the right to route all shipments and may assist Buyer in processing claims against carriers, without incurring liability therefor. Prices stated "F.O.B. delivered" include costs of transportation to the "consigned to/ship to" location specified in Boise's Pick Ticket/Bill of Lading. Any increase in delivery costs resulting from Buyer's instructions to the carrier and any extra costs of utilizing substitute methods of delivery, when the intended type of carrier or loading or unloading facilities become unavailable, shall be for Buyer's account.
9. **DELAYS.** In the event Boise is unable to ship the ordered goods because of fire, flood, windstorm, or other act of God, labor or civil disturbance, shortage of raw materials, failure of timely delivery by Boise's suppliers, energy or transportation shortages, or any other cause whether or not similar to the causes listed above, beyond Boise's reasonable control, Boise reserves the right to cancel the affected order without any liability to Buyer whatsoever. In no event shall Boise be obligated to purchase material from others to enable Boise to deliver goods to Buyer hereunder.
10. **DEFAULT.** Buyer will be in default if (a) Buyer fails to pay to Boise any amount when due under this agreement, (b) Buyer fails for a period of five days after receiving written notice from Boise to fulfill or perform any provisions of this agreement (other than the prior provision relating to due date of payments), (c) Buyer becomes insolvent or bankrupt, or a petition therefor is filed voluntarily or involuntarily and not dismissed within 30 days from filing, or (d) Buyer makes a general assignment for the benefit of its creditors, or a receiver is appointed, or a substantial part of Buyer's assets are attached or seized under legal process and not released within 30 days thereafter.

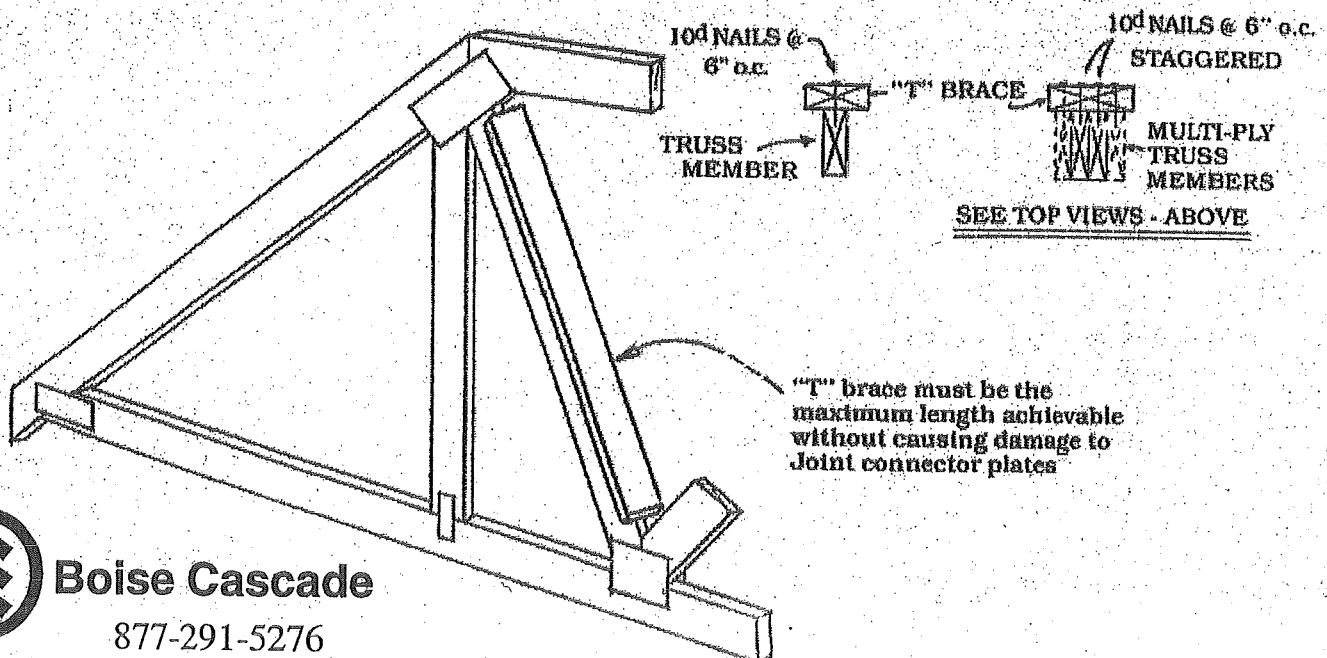
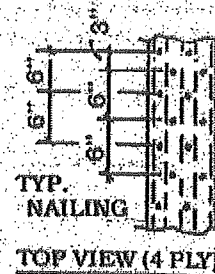
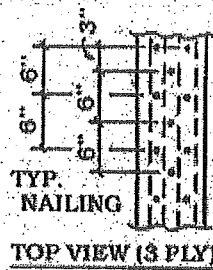
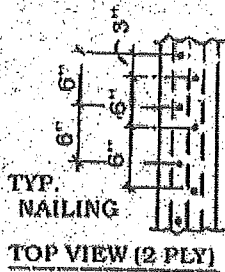
Upon Buyer's default, Boise may, at its option, without prejudice to any of its other rights and remedies, and without demand for payments past due, (a) make shipments subject to receipt of cash in advance, (b) terminate this agreement and declare immediately due and payable the obligations of Buyer for products previously shipped, notwithstanding any other provision in these terms and conditions, (c) demand reclamation, or (d) suspend any further deliveries until the default is corrected, without releasing Buyer from its obligations under this agreement. In any event, Buyer shall remain liable for all loss and damage sustained by Boise because of Buyer's default.
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12. **TAXES.** All sales, excise, or other forms of taxes levied against this transaction shall be paid by Buyer over and above all other sums Buyer may be or may become obligated to pay hereunder.
13. **PRODUCT PROTECTION.** To avoid mold growth, building materials must be protected from moisture exposure according to industry customs during transit, storage, and use, including without limitation, transit to, storage at, and use on a jobsite. Untreated green wood products shall support mold growth.
14. **MUTUALITY.** All debts and obligations of Buyer and Boise to each other are mutually subject to setoff. For purposes of this paragraph, "Buyer" and "Boise" shall be deemed to include each party's respective subsidiaries and affiliates which directly or indirectly control or are controlled by that party through 100% equity ownership.
15. **GOVERNING LAW.** Any transaction subject to these terms and conditions shall be governed by the laws of state in which the Boise facility that shipped the goods is located.

ALTERNATIVE BRACING INFORMATION

Trusses in some roof systems (IE: hip ends) are not conducive to installation of lateral bracing. As an alternative in these special cases installation of "T" bracing is recommended. "T" bracing is, however, an alternative and should only be used in these special cases and is not intended to be used in lieu of an achievable lateral bracing system.

"T" BRACING CHART

| Ply of Truss | Lateral Bracing Required | Replace With |
|--------------|--------------------------|-----------------|
| 1 | 1 ROW | 2 X 4 "T" Brace |
| 1 | 2 ROWS | 2 X 6 "T" Brace |
| 2 | 1 ROW | 2 x 6 "T" Brace |
| 2 | 2 ROWS | 2 x 8 "T" Brace |
| 3 | 1 ROW | 2 x 6 "T" Brace |
| 3 | 2 ROWS | 2 x 8 "T" Brace |
| 4 | 1 ROW | 2 x 8 "T" Brace |
| 4 | 2 ROWS | 2 x 8 "T" Brace |



Boise Cascade

877-291-5276

WARNING! BCSI-B1 SUMMARY SHEET - GUIDE FOR HANDLING, INSTALLING AND BRACING OF METAL PLATE CONNECTED WOOD TRUSSES

GENERAL NOTES

Trusses are not marked in any way to identify the frequency or location of temporary bracing. Follow the recommendations for handling, installing and temporary bracing of trusses. Refer to BCSI-1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses for more detailed information.

Truss Design Drawings may specify locations of permanent bracing on individual compression members. Refer to the BCSI-B3 Summary Sheet - Web Member Permanent Bracing/Web Reinforcement for more information. All other permanent bracing design is the responsibility of the Building Designer.

The consequences of improper handling, installing and bracing may be a collapse of the structure, or worse, serious personal injury or death.

The result of a handling, installation and bracing inadequate, puede ser la caída de la estructura o aún peor, muertos o heridos.

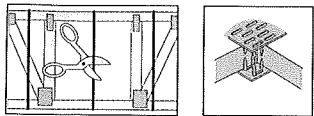
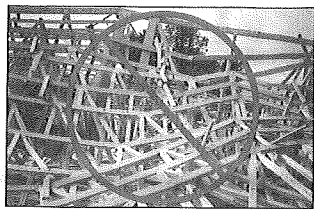
Banding and truss plates have sharp edges. Wear gloves when handling and safety glasses when cutting banding.

Empaques y placas de metal tienen bordes afilados. Use guantes y lentes protectores cuando corte los empaques.

NOTAS GENERALES

Los trusses no están marcados de ningún modo que identifique la frecuencia o localización de los arriostres (bracing) temporales. Use las recomendaciones de manejo, instalación y arrioste temporal de los trusses. Vea el folleto BCSI-1-03 Guía de Buena Práctica para el Manejo, Instalación y Arrioste de los Trusses de Madera Conectados con Placas de Metal para mayor información.

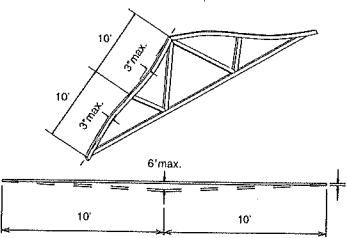
Los dibujos de diseño de los trusses pueden especificar las localizaciones de los arriostres permanentes en los miembros individuales en compresión. Vea la hoja resumen BCSI-B3 para los arriostres permanentes y refuerzos de los miembros secundarios (webs) para mayor información. El resto de arriostres permanentes son la responsabilidad del Diseñador del Edificio.



HANDLING — MANEJO

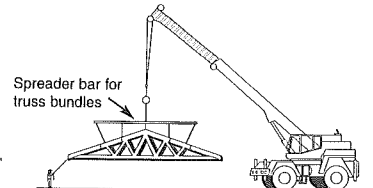
Allow no more than 3" of deflection for every 10' of span.

No permita más de 3 pulgadas de pandeo por cada 10 pies de tramo.



Use special care in windy weather or near power lines and airports.

Utilice cuidado especial en días ventosos o cerca de cables eléctricos o de aeropuertos.



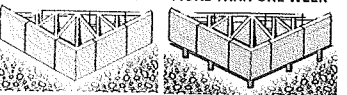
Pick up vertical bundles at the top chord.

Levante de la cuerda superior los grupos verticales de trusses.



ONE WEEK OR LESS

MORE THAN ONE WEEK



Bundles stored on the ground for one week or more should be raised by blocking at 8' to 10' on center.

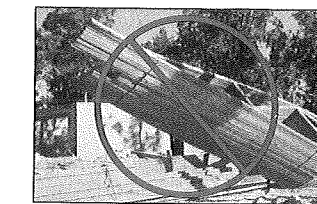
Los paquetes almacenados en la tierra por una semana o más deben ser elevados con bloques a cada 8 o 10 pies.

For long term storage, cover bundles to prevent moisture gain but allow for ventilation.

Para almacenamiento por mayor tiempo, cubra los paquetes para prevenir aumento de humedad pero permita ventilación.

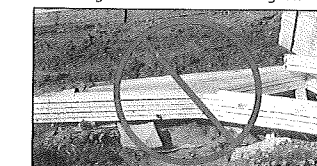
Do not store unbraced bundles upright.

No almacene verticalmente los trusses sueltos.



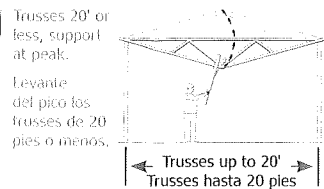
Do not store on uneven ground.

No almacene en tierra desigual.

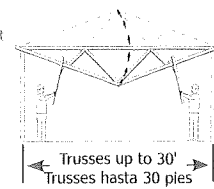


HAND ERECTION — LEVANTAMIENTO A MANO

Trusses 20' or less, support at peak.



Trusses 30' or less, support at quarter points.



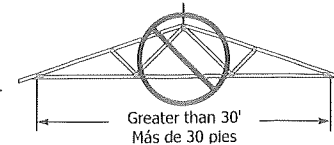
HOISTING — LEVANTAMIENTO

Hold each truss in position with the erection equipment until temporary bracing is installed and truss is fastened to the bearing points.

Sostenga cada truss en posición con la grúa hasta que el arrioste temporal esté instalado y el truss asegurado en los soportes.

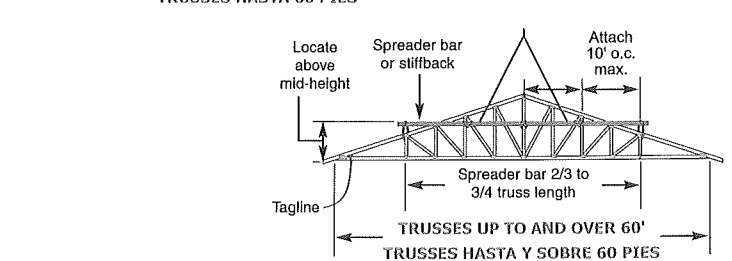
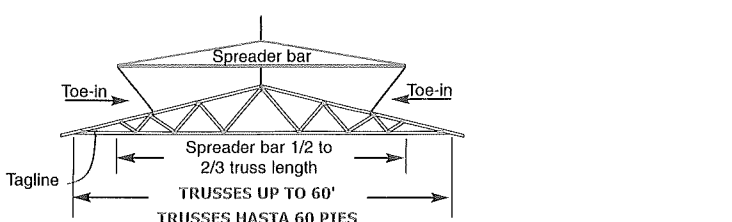
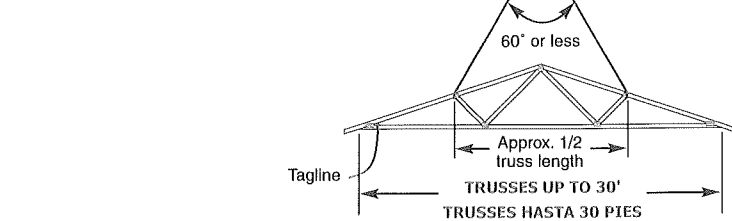
Do not lift trusses over 30' by the peak.

No levante del pico los trusses de más de 30 pies.



HOISTING RECOMMENDATIONS BY TRUSS SPAN

RECOMENDACIONES DE LEVANTAMIENTO POR LONGITUD DEL TRUSS



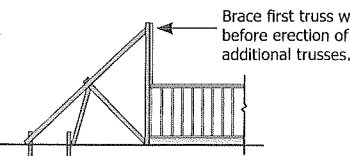
BRACING — ARRIOSTRE

Refer to BCSI-B2 Summary Sheet - Truss Installation and Temporary Bracing for more information. Vea el resumen BCSI-B2 - Instalación de Trusses y Arrioste Temporal para mayor información.

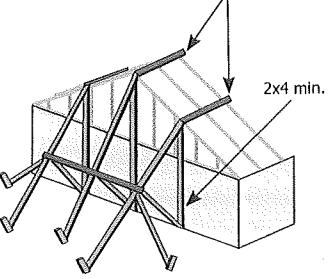
Do not walk on unbraced trusses. No camine en trusses sueltos.

Locate ground braces for first truss directly in line with all rows of top chord temporary lateral bracing.

Coloque los arriostres de tierra para el primer truss directamente en línea con cada una de las filas de arriostres laterales temporales de la cuerda superior.



Top Chord Temporary Lateral Bracing (TCTLB)



BRACING FOR THREE PLANES OF ROOF

EL ARRIOSTRE EN TRES PLANOS DE TECHO

This bracing method is for all trusses except 3x2 and 4x2 parallel chord trusses. Este método de arrioste es para todos los trusses excepto trusses de cuerdas paralelas 3x2 y 4x2.

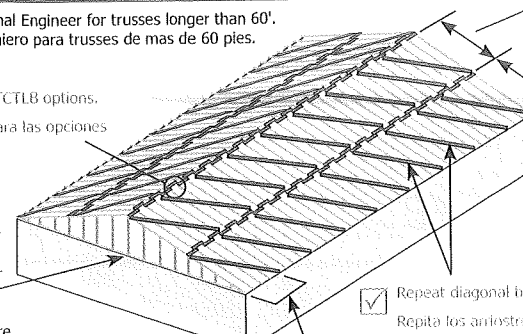
1) TOP CHORD — CUERDA SUPERIOR

| Truss Span Longitud de Tramo | Top Chord Temporary Lateral Brace (TCTLB) Spacing Espaciamiento del Arrioste Temporal de la Cuerda Superior |
|---------------------------------|--|
| Up to 30' | 10' o.c. max. |
| Hasta 30 pies | 10 pies máximo |
| 30' to 45' | 8' o.c. max. |
| 30 a 45 pies | 8 pies máximo |
| 45' to 60' | 6' o.c. max. |
| 45 a 60 pies | 6 pies máximo |
| 60' to 80' | 4' o.c. max. |
| 60 a 80 pies* | 4 pies máximo |

*Consult a Professional Engineer for trusses longer than 60'. *Consulte a un ingeniero para trusses de más de 60 pies.

See BCSI-B2 for TCTLB options. Vea el BCSI-B2 para las opciones de TCTLB.

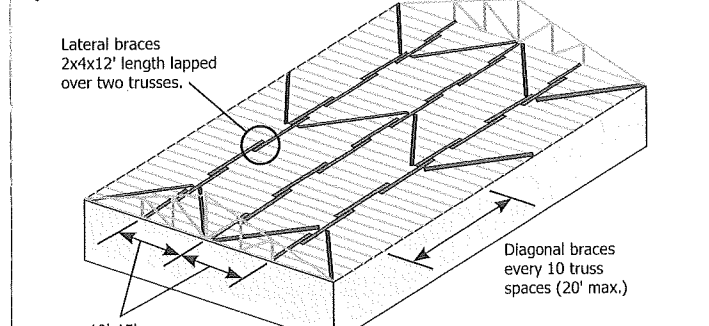
Refer to BCSI-B6 Summary Sheet - Gable End Frame Bracing. Vea el resumen BCSI-B6 - Arrioste del truss terminal de un techo a dos aguas.



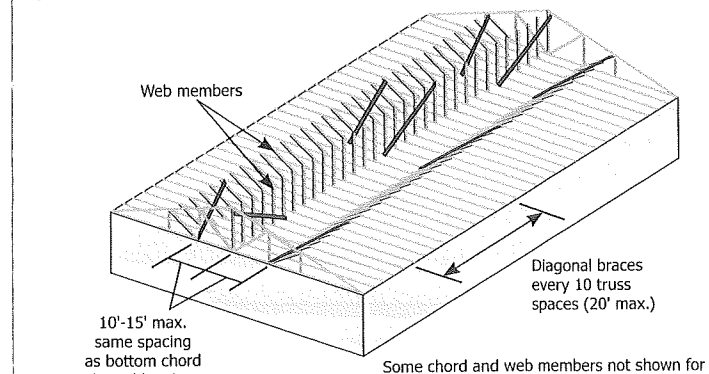
Set first five trusses with spacer pieces, then add diagonals. Repeat process on groups of four trusses until all trusses are set.

Instale los cinco primeros trusses con espaciadores, luego los arriostres diagonales. Repita este procedimiento en grupos de cuatro trusses hasta que todos los trusses estén instalados.

2) BOTTOM CHORD — CUERDA INFERIOR



3) WEB MEMBER PLANE — PLANO DE LOS MIEMBROS SECUNDARIOS



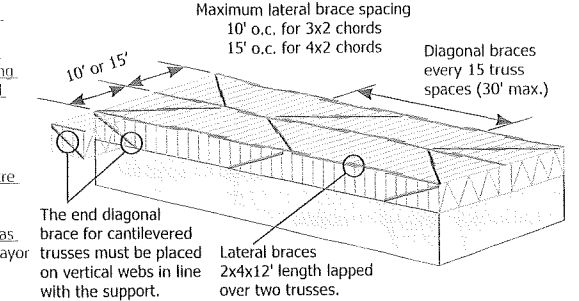
DIAGONAL BRACING IS VERY IMPORTANT
EL ARRIOSTRE DIAGONAL ES MUY IMPORTANTE!

BRACING FOR 3x2 AND 4x2 PARALLEL CHORD TRUSSES

EL ARRIOSTRE PARA TRUSSES DE CUERDAS PARALELAS 3x2 Y 4x2

Refer to BCSI-B7 Summary Sheet - Temporary and Permanent Bracing for Parallel Chord Trusses for more information.

Vea el resumen BCSI-B7 - Arrioste temporal y permanente de trusses de cuerdas paralelas para mayor información.



INSTALLING — INSTALACION

| Length | Max. Bow | Max. Bow | Max. Bow | Truss Length |
|--------|----------|----------|----------|--------------|
| Length | Max. Bow | Length | Max. Bow | 3/4" |
| Length | Max. Bow | Length | Max. Bow | 7/8" |
| Length | Max. Bow | Length | Max. Bow | 1" |
| Length | Max. Bow | Length | Max. Bow | 1-1/8" |
| Length | Max. Bow | Length | Max. Bow | 1-1/4" |
| Length | Max. Bow | Length | Max. Bow | 1-3/8" |
| Length | Max. Bow | Length | Max. Bow | 1-1/2" |
| Length | Max. Bow | Length | Max. Bow | 1-3/4" |
| Length | Max. Bow | Length | Max. Bow | 2" |

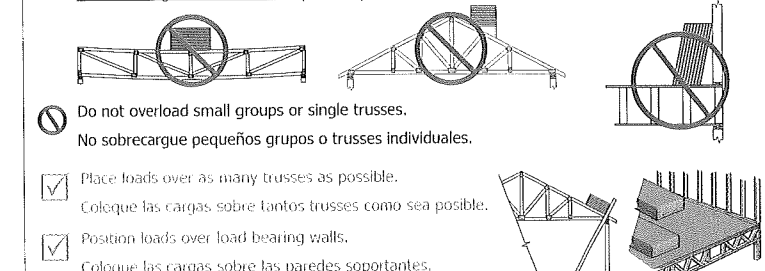
CONSTRUCTION LOADING — CARGA DE CONSTRUCCION

Do not proceed with construction until all bracing is securely and properly in place.

No proceda con la construcción hasta que todos los arriostres estén colocados en forma apropiada y segura.

Do not exceed maximum stack heights. Refer to BCSI-B4 Summary Sheet - Construction Loading for more information.

No exceda las máximas alturas recomendadas. Vea el resumen BCSI-B4 Carga de Construcción para mayor información.



ALTERATIONS — ALTERACIONES

Refer to BCSI-B5 Summary Sheet - Truss Damage, Jobsite Modifications and Installation Errors. Vea el resumen BCSI-B5 Daños de trusses, Modificaciones en la Obra y Errores de Instalación.

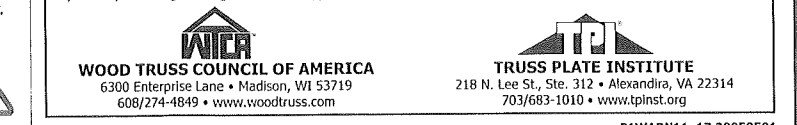
Do not cut, alter, or drill any structural member of a truss unless specifically permitted by the Truss Design Drawing.

No corte, altere o perforo ningún miembro estructural de los trusses, a menos que esté específicamente permitido en el dibujo del diseño del truss.

Trusses that have been overloaded during construction or altered without the Truss Manufacturer's prior approval may render the Truss Manufacturer's limited warranty null and void.

Trusses que se han sobrecargado durante la construcción o han sido alterados sin una autorización previa del Fabricante de Trusses, pueden reducir o eliminar la garantía del Fabricante de Trusses.

NOTE: The Truss Manufacturer and Truss Designer must rely on the fact that the Contractor and crane operator (if applicable) are capable to undertake the work they have agreed to do on a particular project. The Contractor should seek any required assistance regarding construction practices from a competent party. The methods and procedures outlined are intended to ensure that the overall construction techniques employed will put floor and roof trusses into place SAFELY. These recommendations for handling, installing and bracing wood trusses are based upon the collective experience of leading technical personnel in the wood truss industry, but must, due to the nature of responsibilities involved, be presented only as a GUIDE for use by a qualified Building Designer or Erection/Installation Contractor. It is not intended that these recommendations be interpreted as superior to any design specification (provided by either an Architect, Engineer, the Building Designer, the Erection/Installation Contractor or otherwise) for handling, installing and bracing wood trusses and it does not preclude the use of other equivalent methods for bracing and providing stability for the walls and columns as may be determined by the truss Erection/Installation Contractor. Thus, the Wood Truss Council of America and the Truss Plate Institute expressly disclaim any responsibility for damages arising from the use, application, or reliance on the recommendations and information contained herein.



ADVERTENCIA!

Spans over 60' may require complex permanent bracing. Please always consult a Registered Design Professional.

- WARNING!** Disregarding permanent restraint/bracing is a major cause of truss field performance problems and has been known to lead to roof or floor systems collapse.
- ADVERTENCIA!** Descuidar el arrioste/restricción permanente es una causa principal de problemas de rendimiento del truss en campo y había conocido a llevar al derrumbamiento del sistema del techo o piso.
- CAUTION!** Spans over 60' (18.3 m) may require complex permanent bracing. Please always consult a registered design professional.
- ¡CUIDADO!** Tramos sobre 60 pies pueden requerir arrioste permanente complejo. Por favor, siempre consulte a un profesional registrado de diseño.

RESTRAINT/BRACING MATERIALS & FASTENERS MATERIALES Y CIERRES DE RESTRICCIÓN/ARRIOSTRE

- Common restraint/bracing materials include wood structural panels, gypsum board sheathing, stress-graded lumber, proprietary metal products, and metal purlins and straps.
- Materiales comunes de arriostar/restringir incluyen paneles estructurales de madera, entablado de yeso, madera graduada por esfuerzo, productos de metal patentados, y vigas de soporte y tiras de metal.

| Lumber Size | Minimum Nail Size | Minimum Number of Nails per Connection |
|-------------------|---|--|
| 2x4 stress-graded | 10d (0.128x3") 12d (0.128x3.25") 16d (0.131x3.5") | 2 |
| 2x6 stress-graded | 10d (0.128x3") 12d (0.128x3.25") 16d (0.131x3.5") | 3 |

Other attachment requirements may be specified by the truss designer or building designer.
 The grade/size and attachment for bracing materials such as wood structural panels, gypsum board sheathing, proprietary metal restraint/bracing products, and metal purlins and straps are provided by the building designer.

PERMANENT BRACING FOR THE VARIOUS PLANES OF A TRUSS ARRIOSTRE PERMANENTE PARA VARIOS PLANOS DE UN TRUSS

PERMANENT BRACING FOR THE TOP CHORD PLANE ARRIOSTRE PERMANENTE PARA EL PLANO DE LA CUERDA SUPERIOR

- Permanent bracing is important because it,
 - prevents out-of-plane buckling of truss members,
 - helps maintain proper truss spacing, and
 - resists and transfers lateral loads from wind and seismic forces.

El arrioste permanente es importante porque,

- impide el torcer fuera-de-plano de los miembros del truss,
- ayuda en mantener espaciado apropiado de los trusses, y
- resiste y pasa las cargas laterales de viento y fuerzas sísmicas aplicadas al sistema del truss.

- Trusses require permanent bracing within ALL of the following planes:
 - Top chord plane
 - Bottom chord plane
 - Web member plane

Trusses requieren arrioste permanente dentro de TODOS los siguientes planos:

- Plano de la cuerda superior
- Plano de la cuerda inferior
- Plano del miembro secundario

Without permanent bracing the truss, or a portion of its members, will buckle (i.e., fail) at loads far less than design.

Sin el arrioste permanente, del truss, o un parte de los miembros, torcerán (ej. fallarán) de cargas muchas menos que las cargas que el truss es diseñado a llevar.

PERMANENT BRACING FOR THE BOTTOM CHORD PLANE ARRIOSTRE PERMANENTE PARA EL PLANO DE LA CUERDA INFERIOR

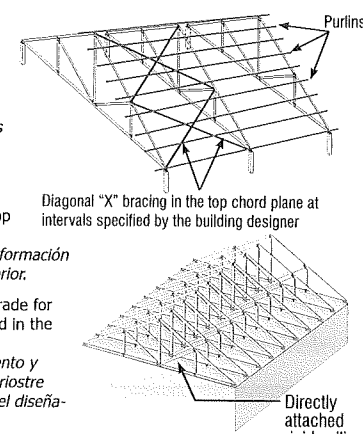
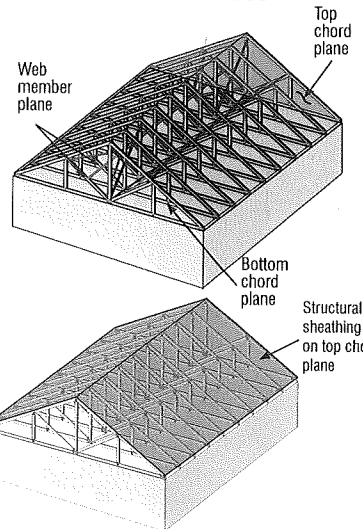
- Use plywood, oriented strand board (OSB), or wood or metal structural purlins that are properly braced.
- Use contrachapado, panel de fibras orientadas (OSB), o vigas de soporte de madera o metal que son arriostros apropiadamente.

The Truss Design Drawing (TDD) provides information on the assumed support for the top chord.

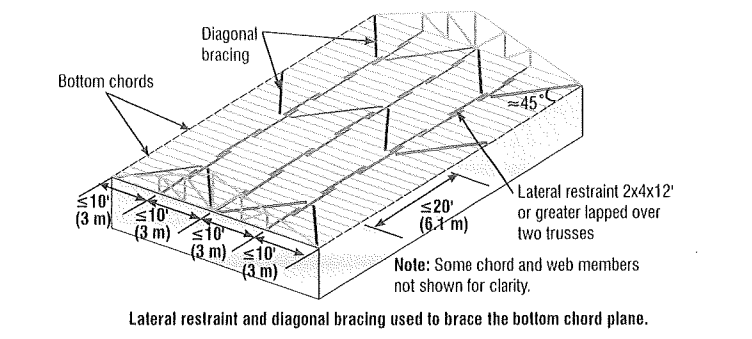
Fastener size and spacing requirements and grade for the sheathing, purlins and bracing are provided in the building code and/or by the building designer.

PERMANENT BRACING FOR THE BOTTOM CHORD PLANE ARRIOSTRE PERMANENTE PARA EL PLANO DE LA CUERDA INFERIOR

- Use rows of continuous lateral restraint with diagonal bracing, gypsum board sheathing or rigid ceiling.
- Use filas de restricción lateral continua con arrioste diagonal, entablado de yeso o techo rígido.



- The TDD provides information on the assumed support for the bottom chord.
- Instalación de la restricción lateral permanente de la cuerda inferior al espaciado indicado en el TDD y/o por el diseñador del edificio con un máximo de 10 pies en el centro.



PERMANENT BRACING FOR THE WEB MEMBER PLANE ARRIOSTRE PERMANENTE PARA EL PLANO DEL MIEMBRO SECUNDARIO

Web member permanent bracing collects and transfers buckling restraint forces and/or lateral loads from wind and seismic forces. The same bracing can often be used for both functions.

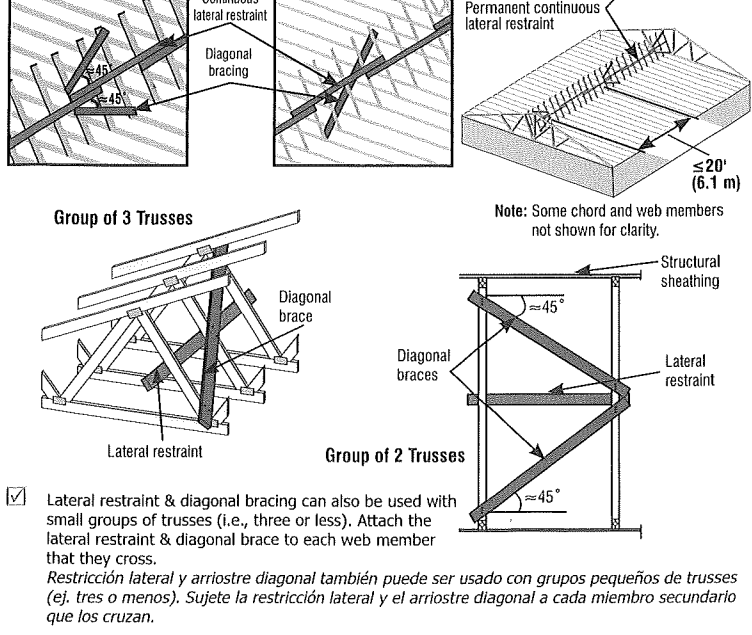
Individual Web Member Permanent Restraint & Bracing Restricción y Arrioste Permanente de Miembros Secundarios Individuales

- Check the TDD to determine which web members (if any) require restraint to resist buckling.
- Restrain and brace with,
 - Continuous lateral restraint & diagonal bracing, or
 - Individual member web reinforcement.

Attach the CLR at the locations shown on the TDD. Sujete el CLR en las ubicaciones mostrados en el TDD.

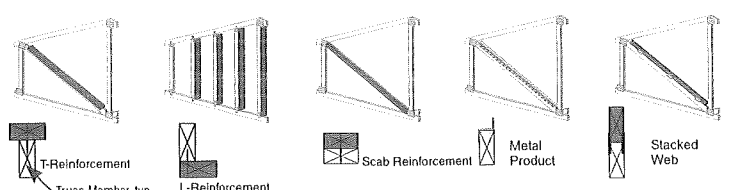
Install the diagonal bracing at approximately 45° to the CLR and position so that it crosses the web in close proximity to the CLR.

EXAMPLES OF DIAGONAL BRACING WITH CONTINUOUS LATERAL RESTRAINT



ALWAYS DIAGONALLY BRACE THE CONTINUOUS LATERAL RESTRAINT! SIEMPRE ARRIOSTRE LA RESTRICCIÓN LATERAL CONTINUA DIAGONALMENTE!

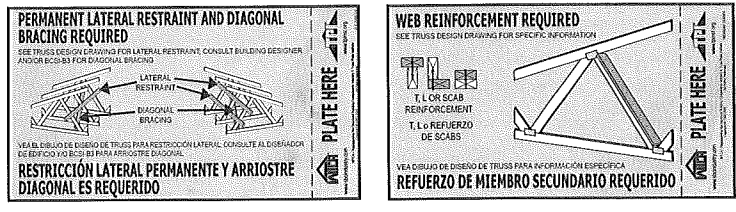
Individual Web Member Reinforcement B. Refuerzo de Miembros Secundarios Individuales



The following table may be used unless more specific information is provided.

| Specified CLR | Size of Truss Web | Type & Size of Web Reinforcement | | | | Grade of Web Reinforcement | Minimum Length of Web Reinforcement | Minimum Connection of Web Reinforcement to Web |
|---------------|-------------------|----------------------------------|-----|-------------------|-------|--|---|---|
| | | T | L | Scab ² | I | | | |
| 1 Row | 2x4 | 2x4 | 2x4 | 2x4 | | Same species and grade or better than web member | 90% of web or extend to within 6" (150 mm) of end of web member, whichever is greater | 16d Gun nails (0.131x3.5") @ 6" (150 mm) on-center ² |
| | 2x6 | 2x6 | 2x6 | 2x6 | | | | |
| 2 Rows | 2x4 | --- | --- | --- | 2-2x4 | | | |
| | 2x6 | --- | --- | --- | 2-2x6 | | | |
| | 2x8 | --- | --- | --- | 2-2x8 | | | |

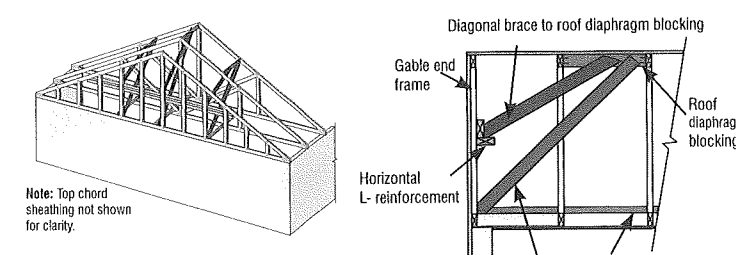
Maximum allowable web length is 14' (4.3 m). For Scab Reinforcement use 2 rows of 16d Gun nails (0.128x3") at 6" (150 mm) on-center to attach reinforcement to web.



Web Member Plane Permanent Building Stability Bracing to Transfer Wind & Seismic Forces

The web member restraint or reinforcement specified on a TDD is required to resist buckling under vertical loads.

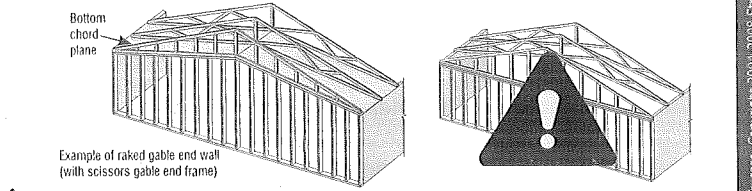
Some truss manufacturers mark the locations of the web lateral restraint or reinforcement on the truss using tags similar to those above.



Some truss designers provide general design tables and details to assist the building designer in determining the bracing required to transfer lateral loads due to wind and/or seismic forces from the gable end frame into the roof and/or ceiling diaphragm.

Gable End Frames and Sloped Bottom Chords Armazones Hastiales Y Cuerdas Inferiores Pendientes

- The gable end frame should always match the profile of the adjacent trusses to permit installation of proper bottom chord plane restraint & bracing unless special bracing is designed to support the end wall.



Using a flat bottom chord gable end frame with adjacent trusses that have sloped bottom chords is prohibited by some building codes as adequate bracing of this condition is difficult and sometimes impossible.

Permanent Bracing for Special Conditions Arrioste Permanente para Condiciones Especiales Sway Bracing—Arrioste de "Sway"

- "Sway" bracing is installed at the discretion of the building designer to help stabilize the truss system and minimize the lateral movement due to wind and seismic loads.

Sway bracing installed continuously across the building also serves to distribute gravity loads between trusses of varying stiffness.

Permanent Restraint/Bracing for the Top Chord in a Piggyback Assembly

- Provide restraint and bracing by:
 - using rows of 4x2 stress-graded lumber CLR and diagonal bracing, or
 - connecting the CLR into the roof diaphragm, or
 - adding structural sheathing or bracing frames, or
 - some other equivalent means.

Refer to the TDD for the maximum assumed spacing for attaching the lateral restraint to the top chord of the supporting truss.

The TDD provides the assumed thickness of the restraint and minimum connection requirements between the cap and the supporting truss or restraint.

If diagonal bracing is used to restrain the CLR(s), repeat at 10' (3 m) intervals, or as specified in the construction documents.

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