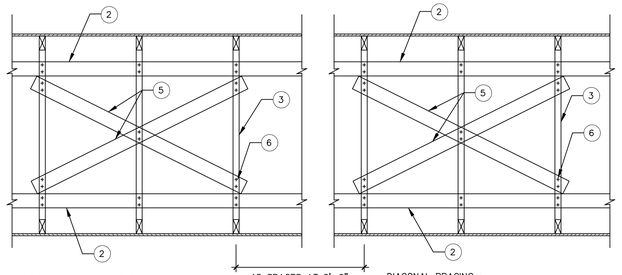


HORIZONTAL BRACING OF TOP AND BOTTOM:

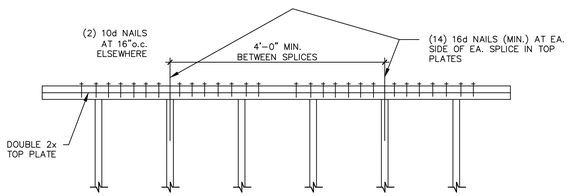
1. PROVIDE ONE ROW OF HORIZONTAL BRACING AS SHOWN EVERY 10'-0" PERPENDICULAR TO SPAN OF TRUSS.
2. BRACING MEMBERS TO BE CONTINUOUS 2X4 WOOD MEMBERS. AT SPLICE LOCATIONS, LAP BRACING MEMBERS OVER AT LEAST 2 TRUSSES.
3. WOOD TRUSSES AT 24" O.C.

DIAGONAL BRACING :

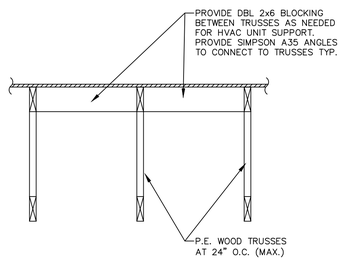
4. PROVIDE CROSS BRACING, AS SHOWN AT EACH END OF EACH ROW OF PERMANENT HORIZONTAL BRACING, AND AT NOT MORE THAN 30'-0" SPACING IN DIRECTION OF HORIZONTAL BRACING.
5. BRACING MEMBERS TO BE 2X4 WOOD MEMBERS.
6. (2) 10d NAILS (TYP.)

TYPICAL BRACING DETAIL

N.T.S.

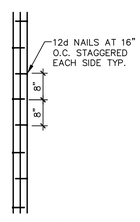


TYPICAL TOP PLATE DETAIL

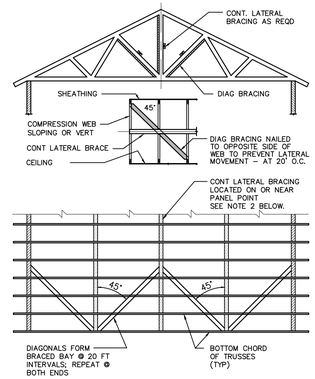


TYPICAL BLOCKING FOR HVAC CURB DETAIL

N.T.S.



BUILT UP STUD NAILING PATTERN



1. WOOD TRUSSES SHALL BE BRACED AND ERECTED IN ACCORDANCE WITH THE "TRUSS PLATE INSTITUTE" BRACING WOOD TRUSSES: COMMENTARY AND RECOMMENDATIONS, HIB-91, BRACING IN THE PLAN OF THE WEB MEMBERS :

   a. THE TRUSS FABRICATOR SHALL PROVIDE AND LOCATE CONTINUOUS LATERAL BRACING FOR EACH TRUSS WEB MEMBER AS REQUIRED.

   b. LATERAL BRACING SHALL BE RESTRAINED BY DIAGONAL BRACING (MIN. 2" THICK NOMINAL LUMBER). THIS BRACING IS TO BE CONTINUOUS.

   c. A MINIMUM OF TWO ROWS OF DIAGONAL BRACING IS REQUIRED, ONE AT EACH VERTICAL WEB MEMBER CLOSEST TO BEARING LOCATIONS.

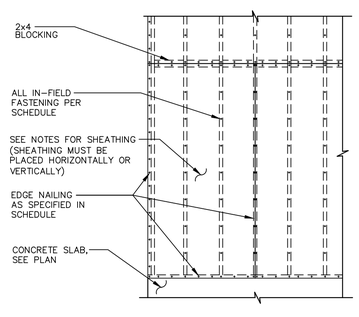
2. THE BOTTOM CHORDS SHALL BE BRACED BY CONTINUOUS LATERAL BRACING SPACED AT 8'-0" O. C. WITH A CEILING ATTACHED TO BOTTOM OF TRUSSES. OR IF NO CEILING IS ATTACHED TO BOTTOM OF TRUSSES BRACING SHALL BE MIN. 2 x 4 @ 36" O.C. NAILED TO THE TOP OF THE BOTTOM CHORD. DIAGONALS PLACED AT 45° TO THE LATERAL BRACES SHALL BE LOCATED AT EACH END. IF BUILDING EXCEEDS 60 FEET IN LENGTH, DIAGONAL BRACING SHOULD BE REPEATED AT 20 FOOT INTERVALS.

3. TOP CHORD BRACING :

   a. IF PLYWOOD DECKING IS APPLIED DIRECTLY TO TOP CHORD, PROPERLY LAPPED AND NAILED TO DEVELOP DIAPRAGHM ACTION, BRACING IS NOT REQUIRED.

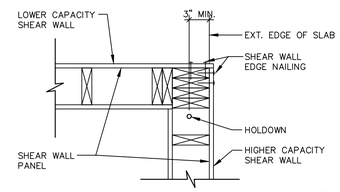
   b. IF PURLINS ARE USED, DIAGONAL TOP CHORD BRACING IS REQUIRED AT EACH END. IF BUILDING EXCEEDS 80 FEET IN LENGTH, DIAGONAL BRACING SHOULD BE REPEATED AT 20 FOOT INTERVALS.

WOOD TRUSS BRACING DETAIL



SHEATHING ATTACHMENT SCHEDULE

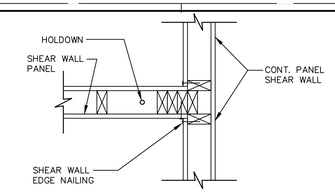
N.T.S.



SHEAR WALLS @ OUTSIDE CORNER

N.T.S.

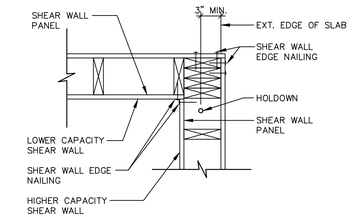
1. ONE HOLDOWN MAY BE DESIGNED FOR BOTH SHEAR WALLS SHOWN. SEE BRACING PLAN.
2. ADDITIONAL STUDS MAY BE REQUIRED AT THE CORNER. SEE TYPICAL SHEAR WALL HOLDOWN ELEVATIONS.



INTERSECTING SHEAR WALLS

N.T.S.

1. ADDITIONAL STUDS MAY BE REQUIRED AT END. SEE TYPICAL SHEAR WALL HOLDOWN DETAILS.



SHEAR WALLS @ INSIDE CORNER

N.T.S.

1. ONE HOLDOWN MAY BE DESIGNED FOR BOTH SHEAR WALLS SHOWN. SEE BRACING PLAN.
2. ADDITIONAL STUDS MAY BE REQUIRED AT THE CORNER. SEE TYPICAL SHEAR WALL HOLDOWN ELEVATIONS.

CONTINUOUS TIE DOWN ROD SYSTEMS:
CONTRACTOR SHALL PROVIDE A CONTINUOUS ROD TIE DOWN SYSTEM USING CLP ROD SYSTEMS, SIMPSON RTUD TAKE UP DEVICES, OR OTHER SIMILAR PRODUCTS. THESE SHALL BE USED AT ENDS OF SHEAR WALLS, AND FOR ALL ROOF TRUSS BEARING WALLS FOR CONTINUOUS ROOF UPLIFT HOLD DOWN CONNECTIONS.
ALL PRODUCTS MUST BE SIGNED AND SEALED BY THE SPECIALTY DESIGN PROFESSIONAL, BEING ABLE TO MEET OR EXCEED THE SCHEDULED UPLIFT LOADS SPECIFIED IN THE SHEAR WALL SCHEDULE.

NOTES:

1. SEE BRACING PLAN FOR TYPE & LOCATION OF SHEAR WALL; SEE SHEAR WALL SCHEDULE FOR NAILING REQUIREMENTS.
2. SEE BRACING PLAN & TYPICAL SHEAR WALL HOLDOWN ELEVATION FOR END CONNECTION AND FRAMING REQUIRED AT EACH FLOOR.
3. NAIL ALL STUDS AT INTERSECTIONS TOGETHER W/ .148"ø x 3" NAILS @ 4" o.c. (STAGGER WHEN POSSIBLE).
4. SHEAR WALL EDGE NAILING TO BE STAGGERED WHEN POSSIBLE.

STUD ARRANGEMENTS AT CORNERS/INTERSECTIONS

N.T.S.

1
S12.03

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

PERMIT REVIEW STAMP

ISSUE HISTORY

No.	Date	Description
1	01/18/18	ISSUE FOR PERMIT

REVISION HISTORY

No.	Date	Description

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P: 407.291.0875 LIC. #8863

Gutherman STRUCTURAL

JOHN GUTHERMAN JR. LICENSE No. 60880 STATE OF FLORIDA PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY JOHN GUTHERMAN JR. PE # 60880 ON 1/22/2018 USING A DIGITAL SIGNATURE.

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John Gutherman Jr., P.E.
FL. REG. #60880

SUMMER BAY APTS. II

LAKE COUNTY, FL

Drawn:	JRIVERA
Checked:	JGUTHERMAN
Approval:	JGUTHERMAN
Date:	Issue Date
Project #:	5389

TYPICAL DETAILS

S12.03