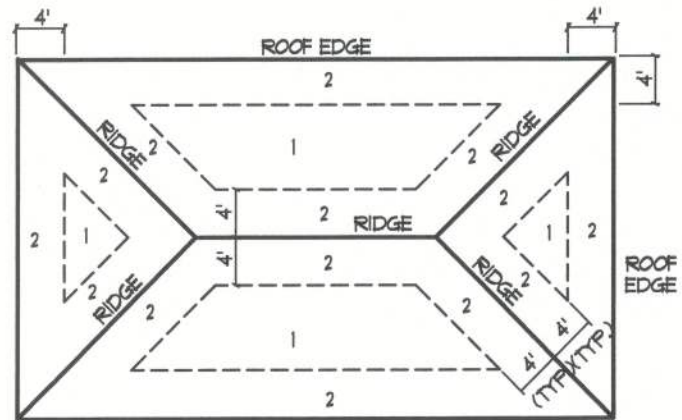


ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1	1/8" O.S.B.	8d COMMON OR 8d HOT DIPPED GALVANIZED BOX NAILS	6 IN. O.C. EDGE 8 IN. O.C. FIELD
2	OR 5/32 CDX		4 IN. O.C. EDGE 8 IN. O.C. FIELD



ROOF SHEATHING NAILING ZONES  
(HIP ROOF)

## Roof Nail Pattern DET.

SCALE: NONE

### General Roofing NOTES:

DECK REQUIREMENTS:  
ASPHALT SHINGLES SHALL BE FASTENED TO SOLIDLY SHEATHED DECKS.

SLOPE:  
ASPHALT SHINGLES SHALL BE USED ONLY ON ROOF SLOPES OF 2:12 OR GREATER. FOR ROOF SLOPES FROM 2:12 TO 4:12, DBL. UNDERLAYMENT IS REQUIRED.

UNDERLAYMENT:  
UNLESS OTHERWISE NOTED, UNDERLAYMENT SHALL CONFORM W/ ASTM D 226, TYPE I, OR ASTM D 4869, TYPE I.

SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET:  
SELF ADHERING POLYMER MODIFIED BITUMEN SHALL COMPLY W/ ASTM D 1910.

ASPHALT SHINGLES:  
ASPHALT SHINGLES SHALL HAVE SELF SEAL STRIPS OR BE INTERLOCKING, AND COMPLY WITH ASTM D 225 OR ASTM D 3462.

FASTENERS:  
FASTENERS FOR ASPHALT SHINGLES SHALL BE GALVANIZED, STAINLESS STEEL, ALUMINUM OR COPPER ROOFING NAILS, MINIMUM 12 GAUGE SHANK WITH A MINIMUM 3/8 INCH DIAMETER HEAD, OF A LENGTH TO PENETRATE THROUGH THE ROOFING MATERIAL AND A MINIMUM 3/4" INTO THE ROOF SHEATHING. WHERE THE SHEATHING IS LESS THAN 3/4" THICK, THE NAILS SHALL PENETRATE THROUGH THE SHEATHING.

ATTACHMENT:  
ASPHALT SHINGLES SHALL BE SECURED TO THE ROOF WITH NOT LESS THAN FOUR FASTENERS PER STRIP SHINGLE OR TWO FASTENERS PER INDIVIDUAL SHINGLE. WHERE ROOFS LOCATED IN BASIC WIND SPEED OF 100 MPH OR GREATER, SPECIAL METHODS OF FASTENING ARE REQUIRED. UNLESS OTHERWISE NOTED, ATTACHMENT OF ASPHALT SHINGLES SHALL CONFORM WITH ASTM D 3161 OR M-DC FA 1071-95.

UNDERLAYMENT APPLICATION:  
FOR ROOF SLOPES FROM 2:12 TO 4:12, UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:  
1. STARTING AT THE EAVE, A 18 INCH STRIP OF UNDERLAYMENT SHALL BE APPLIED PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

2. STARTING AT THE EAVE, 36 INCH WIDE STRIPS OF UNDERLAYMENT FELT SHALL BE APPLIED OVERLAPPING SUCCESSIVE SHEETS 18 INCHES AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

FOR ROOF SLOPED 4:12 AND GREATER, UNDERLAYMENT SHALL BE A MINIMUM OF ONE LAYER OF UNDERLAYMENT FELT APPLIED AS FOLLOWS:  
STARTING AT THE EAVE, UNDERLAYMENT SHALL BE APPLIED SHINGLE FASHION PARALLEL TO THE EAVE, LAPPED 2 INCHES, AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

BASE AND CAP FLASHINGS:  
BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFG'S INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE EITHER CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS 0.019 INCH OR MINERAL SURFACE ROLL ROOFING WEIGHING A MINIMUM OF 11 LBS PER 100 SQUARE FEET. CAP FLASHING SHALL BE CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS OF 0.019 INCH.

VALLEYS:  
VALLEY LININGS SHALL BE INSTALLED IN ACCORDANCE W/ MANUFACTURER'S INSTALLATION INSTRUCTIONS BEFORE APPLYING ASPHALT SHINGLES. VALLEY LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED:

- OPEN VALLEYS LINED WITH METAL: THE VALLEY LINING SHALL BE AT LEAST 18" WIDE AND OF ANY OF THE CORROSION RESISTANT METALS IN FBC TABLE 150713.02.
- OPEN VALLEYS: VALLEY LINING OF TWO PLYS OF MINERAL SURFACE ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 18 INCHES AND THE TOP LAYER A MINIMUM OF 36 INCHES WIDE.
- CLOSED VALLEYS: VALLEY LINING SHALL BE ONE OF THE FOLLOWING:  
1. BOTH TYPES 1 AND 2 ABOVE, COMBINED.  
2. ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 224.  
3. SPECIALTY UNDERLAYMENT AT LEAST 36 INCHES WIDE & COMPLYING WITH ASTM D 1910.

### ATTENTION !!!

#### TRUSS SHOP DRAWING REQUIREMENTS

THIS PROJECT REQUIRES ENGINEERED TRUSS ROOF FRAMING AND/OR ENGINEERED TRUSS FLOOR FRAMING. BECAUSE OF THIS, PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE OWNER/BUILDER SHALL PROVIDE THE ARCHITECT OF RECORD WITH THE SIGNED AND SEALED TRUSS SHOP DRAWINGS FOR THE AOR'S REVIEW AND COMMENT. THE SUBMISSION SHALL CONSIST OF 3 PAPER COPIES OF THE SIGNED AND SEALED TRUSS SHOP DRAWING, AN ELECTRONIC DXF OR DWG (ACAD VERSION 14 OR LOWER) OF THE PLACEMENT PLAN(S) AND A POSTAGE PAID RETURN MAILER.

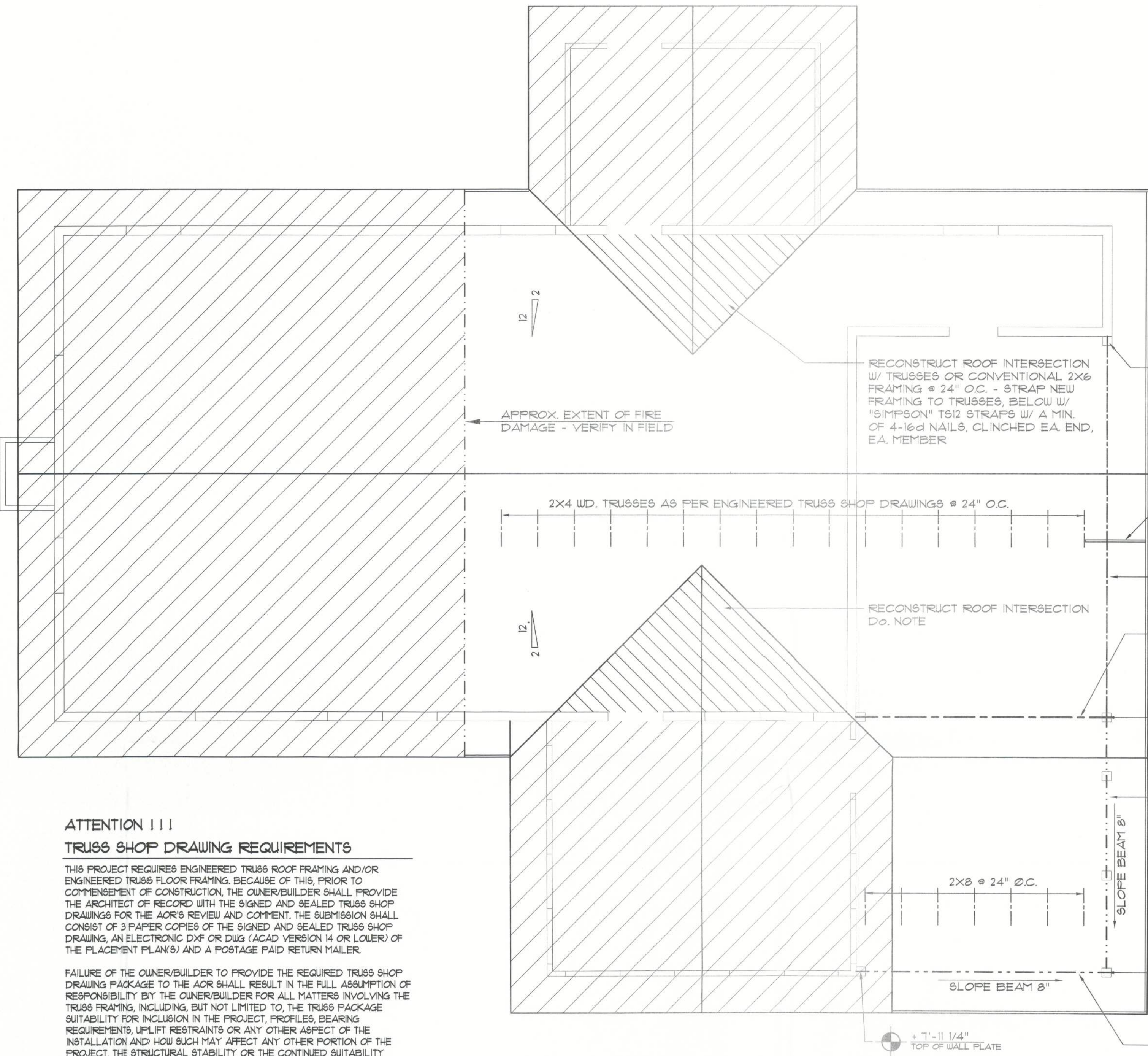
FAILURE OF THE OWNER/BUILDER TO PROVIDE THE REQUIRED TRUSS SHOP DRAWING PACKAGE TO THE AOR SHALL RESULT IN THE FULL ASSUMPTION OF RESPONSIBILITY BY THE OWNER/BUILDER FOR ALL MATTERS INVOLVING THE TRUSS FRAMING, INCLUDING, BUT NOT LIMITED TO, THE TRUSS PACKAGE SUITABILITY FOR INCLUSION IN THE PROJECT, PROFILES, BEARING REQUIREMENTS, UPLIFT RESTRAINTS OR ANY OTHER ASPECT OF THE INSTALLATION AND HOW SUCH MAY AFFECT ANY OTHER PORTION OF THE PROJECT, THE STRUCTURAL STABILITY OR THE CONTINUED SUITABILITY OF THE TRUSS COMPONENTS FOR THE DURATION OF THE LIFE OF THE STRUCTURE. USE OF TRUSS DOCUMENTS THAT LACK THE AOR'S "SHOP DRAWING REVIEW" STAMP WILL RESULT IN AOR BEING RELEASED FROM ALL LIABILITY INVOLVING ANY TRUSS COMPONENT, FOR ANY REASON.

IF THE 1st SUBMISSION OF THE TRUSS DOCUMENTS FAILS TO MEET THE REQUIREMENTS OF THE DESIGN CONSTRUCTION DOCUMENTS, ADDITIONAL SUBMISSIONS SHALL BE REQUIRED UNTIL SUCH TIME THAT THE TRUSS DOCUMENTS ARE IN CONFORMANCE WITH THE DESIGN CONSTRUCTION DOCUMENTS. EACH SUBSEQUENT SUBMISSION SHALL INCLUDE A POSTAGE PAID MAILER FOR THE RETURN OF THE DOCUMENTS. SUCCESSFUL SUBMISSIONS SHALL BE STAMPED BY THE AOR AND THE DOCUMENTS SHALL BE MARKED AS "NO EXCEPTIONS TAKEN".

FOLLOWING THE REVIEW AND/OR COMMENTS MADE BY THE AOR, 2 SETS OF THE STAMPED TRUSS DOCUMENTS SHALL BE RETURNED TO THE OWNER/BUILDER FOR USE IN THE CONSTRUCTION OF THE PROJECT.

### WOOD STRUCTURAL NOTES

- TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION, REQUIRED FOR SAFE AND STABLE CONSTRUCTION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR SO ENGAGED. TEMPORARY & PERMANENT BRACING OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDE-LINES OF THE "TRUSS PLATE INSTITUTE".
- ALL TRUSSES SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER & SHALL BE SIGNED AND SEALED BY SAME. TRUSS DESIGN SHALL INCLUDE PLACEMENT PLANS, TRUSS DETAILS, TRUSS TO TRUSS CONNECTIONS & THE STANDARD SPECIFICATIONS & RECOMMENDATIONS OF INSTALLATION OF THE "TRUSS PLATE INSTITUTE".
- WOOD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL BE NOT LESS THAN N-2 HEM-FIR OR BETTER.
- CONNECTORS FOR WOOD FRAMING SHALL BE GALVANIZED METAL OR BLACK METAL AS MANUFACTURED OR AS CALLED FOR IN THE PLANS AND BE OF A DESIGN SUITABLE FOR THE LOADS AND USE INTENDED. REFER TO THE JOINT REINFORCEMENT SCHEDULE FOR PRINCIPLE CONNECTIONS.

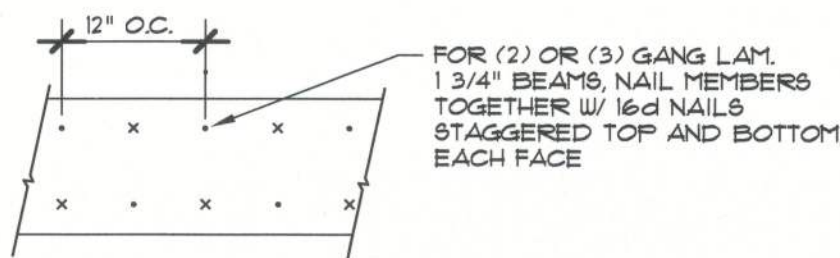


## RECONSTRUCTION ROOF PLAN

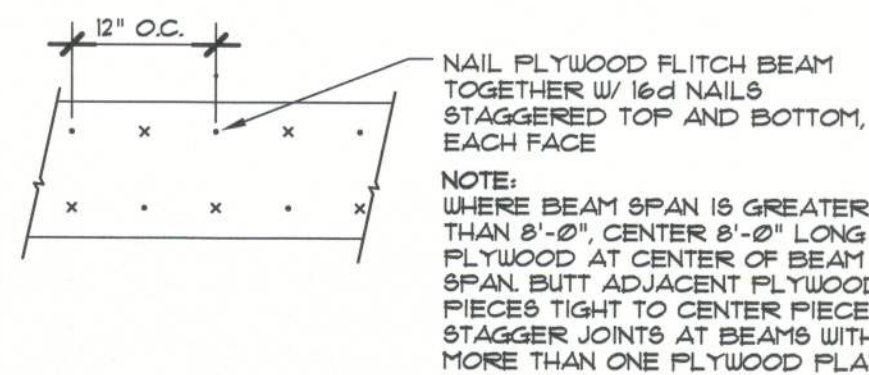
SCALE: 1/4" = 1'-0"

NOTE:  
SHEATH ROOF W/ 1/2" CDX PLYWOOD PLACED W/ LONG DIMENSION PERPENDICULAR TO THE ROOF TRUSSES, SECURE TO FRAMING W/ 8d NAILS - AS PER DETAIL A ON SHEET 4

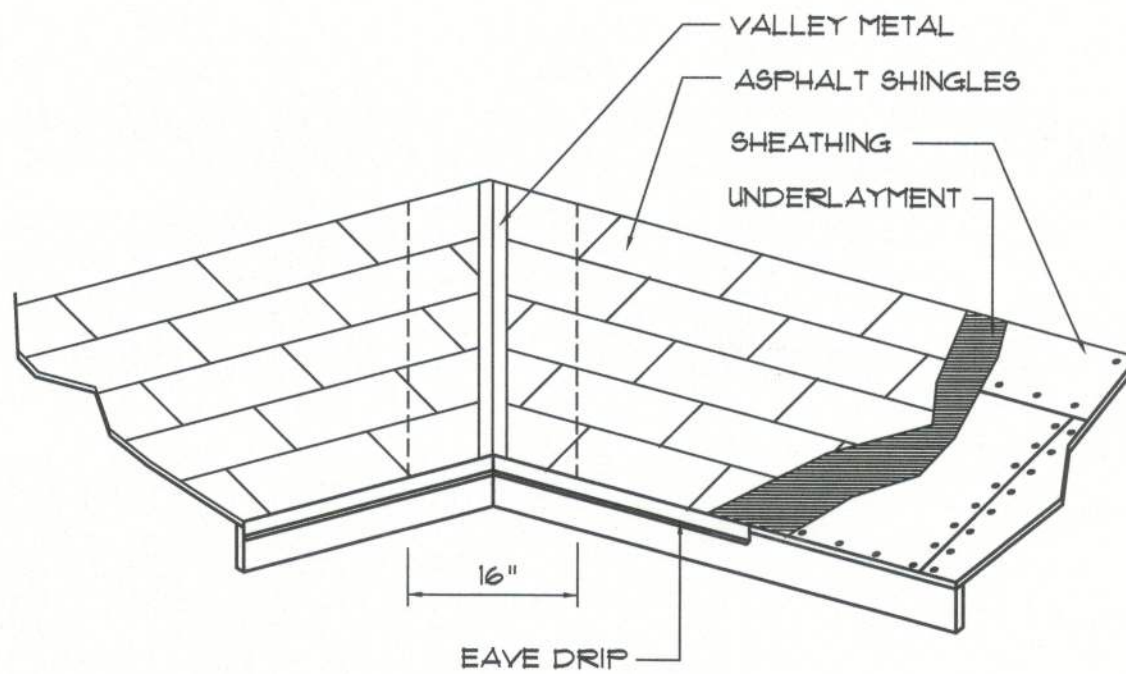
NOTE:  
THE DESIGN WIND SPEED FOR THIS PROJECT IS 130 MPH PER 2010 FBC 1609 AND LOCAL JURISDICTION REQUIREMENTS



MULTIPLE GANG LAM. DETAIL  
NOT TO SCALE



PLYWOOD FLITCH BEAM DETAIL  
NOT TO SCALE



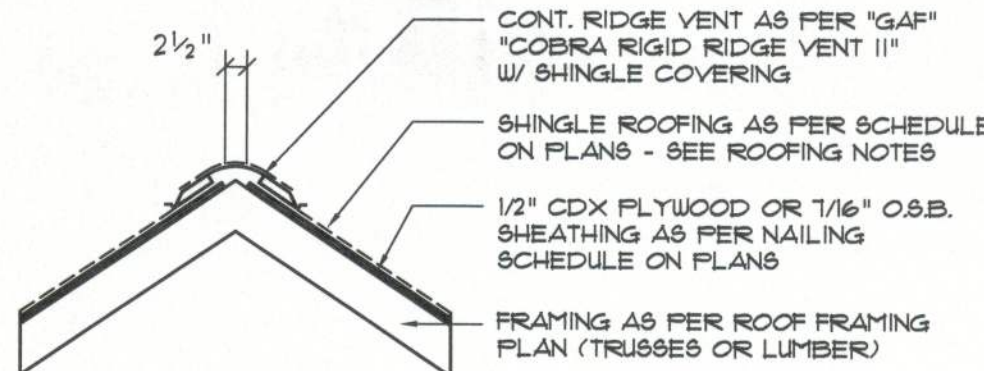
VALLEY FLASHING

ROOFING METALS for FLASHING/ROOFING MINIMUM THICKNESS REQUIREMENTS			
MATERIAL	MINIMUM THICKNESS (in)	GAGE	WEIGHT (oz)
COPPER			16
ALUMINUM	0.024		
STAINLESS STEEL		28	
GALVANIZED STEEL	0.0179	26 (ZINC COATED G30)	
ZINC ALLOY LEAD PAINTED TERNE	0.021		40 20

## Roofing/Flashing DETS.

SCALE: NONE

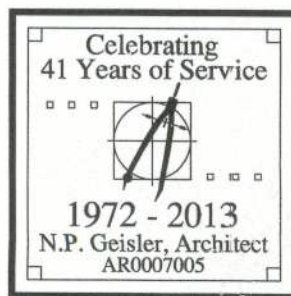
AREA OF ATTIC	REQ'D LF. OF VENT	NET FREE AREA OF INTAKE
1600 SF	20 LF	410 SQ.IN.
1900 SF	24 LF	490 SQ.IN.
2200 SF	28 LF	570 SQ.IN.
2500 SF	32 LF	650 SQ.IN.
2800 SF	36 LF	730 SQ.IN.
3100 SF	40 LF	820 SQ.IN.
3600 SF	44 LF	900 SQ.IN.



MIAMI/DADE PRODUCT APPROVAL REPORT: 030-0713.035

## Ridge Vent DETAIL

SCALE: 3/4" = 1'-0"



4

FILE: 2K1325	FIRE DAMAGE RESTORATION & REMODEL By Bryan Zecher Construction	SHEET: 4
DATE: 24APR2013		CAD FILE: ZFD-W5
DRAWN: NPG	NICHOLAS GEISLER ARCHITECT N.C.A.R.S. Certified	REV:
CHECK: NPG		REV:

1700 NW Brown Road  
Lowe City, TN 32050  
386/365-4366