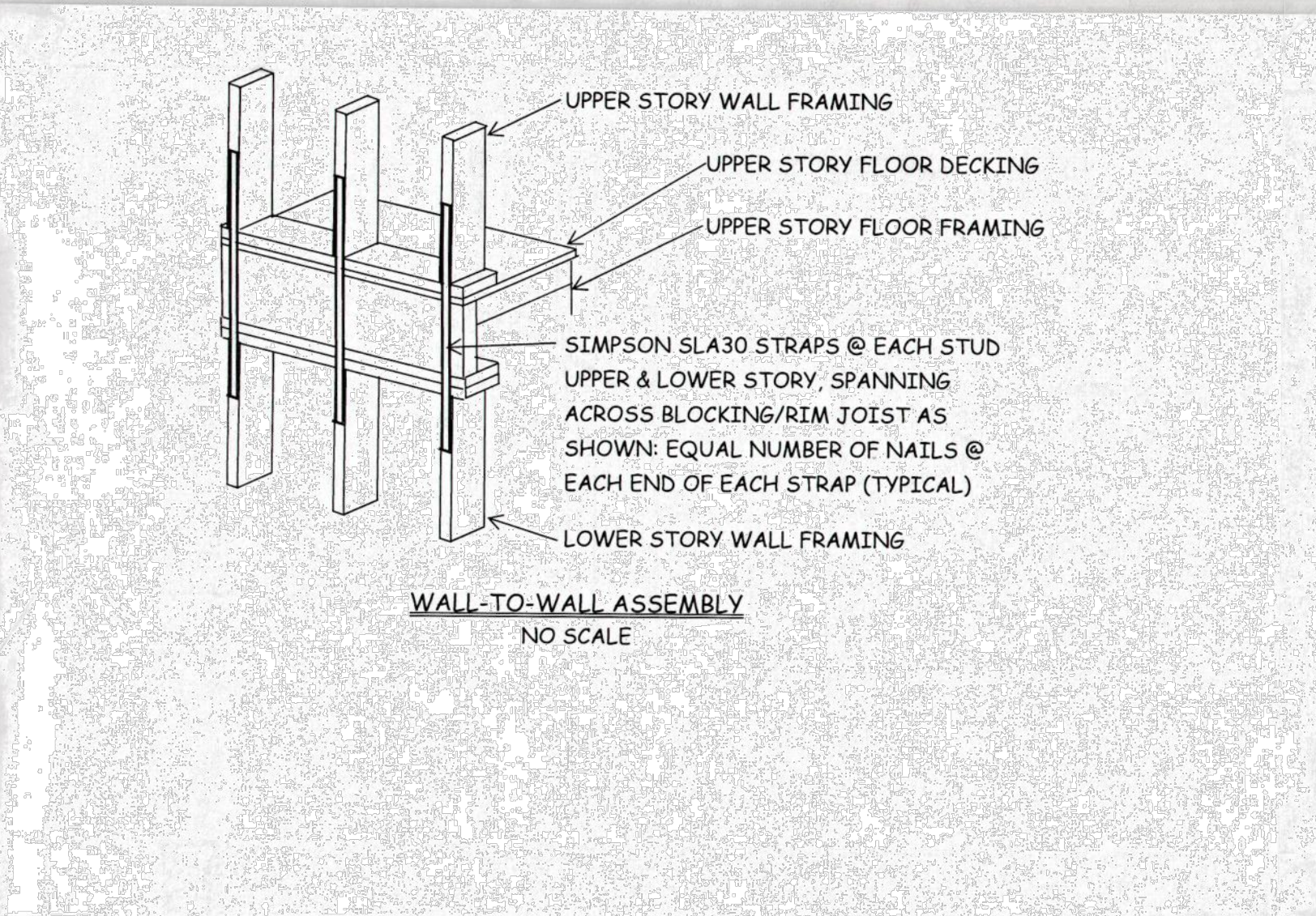


**WINDBORNE DEBRIS PROTECTION FASTENING SCHEDULE FOR 1/2" WOOD STRUCTURAL PANELS**

FASTENER TYPE	FASTENER SPACING		
	PANEL SPAN LESS THAN OR EQUAL TO 4'	4' PANEL SPAN LESS THAN OR EQUAL TO 6'	6' PANEL SPAN LESS THAN OR EQUAL TO 8'
#8 WOOD SCREW BASED ANCHOR WITH 2-INCH EMBEDMENT LENGTH	16"	10"	8"
#10 WOOD SCREW BASED ANCHOR WITH 2-INCH EMBEDMENT LENGTH	16"	12"	9"
1/4-INCH LAG SCREW BASED ANCHOR WITH 2-INCH EMBEDMENT LENGTH	16"	16"	16"

DATA FOR ABOVE WAS TAKEN FROM THE 2009 INTERNATIONAL RESIDENTIAL CODE, CHAPTER 3 "BUILDING PLANNING", TABLE R301.2.1.2 "WINDBORNE DEBRIS PROTECTION FASTENING SCHEDULE FOR WOOD STRUCTURAL PANELS".

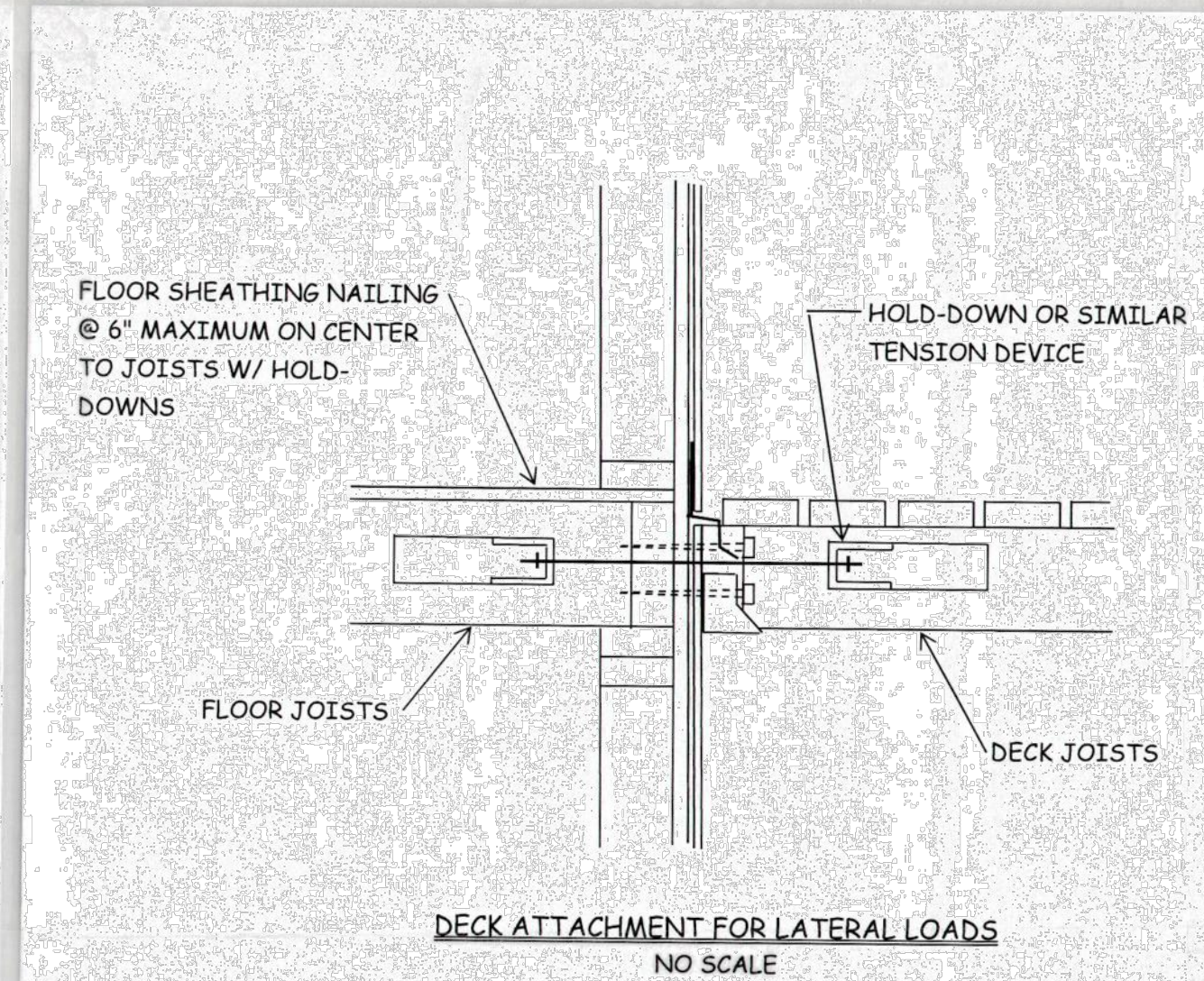
2009 IRC R301.2.1.2 PROTECTION OF OPENINGS: WINDOWS IN BUILDINGS LOCATED IN WINDBORNE DEBRIS REGIONS SHALL HAVE GLAZED OPENINGS PROTECTED FROM WINDBORNE DEBRIS. GLAZED OPENING PROTECTION FOR WINDBORNE DEBRIS SHALL MEET THE REQUIREMENTS OF THE LARGE MISSILE TEST OF AN APPROVED IMPACT RESISTANT STANDARD OR ASTM E 1996 AND ASTM E 1886 REFERENCED HEREIN, INCLUDING EXCEPTION: GARAGE DOOR GLAZED OPENING PROTECTION FOR WINDBORNE DEBRIS SHALL MEET THE REQUIREMENTS OF AN APPROVED IMPACT RESISTANT STANDARD OR ANSI/DASMA 115.



**UPLIFT CONNECTIONS - 140 MPH WIND, EXPOSURE-B**

CONNECTION	FRAMING SPACING IN INCHES	ROOF SPAN IN FEET	UPLIFT	LATERAL	SHEAR	QTY OF 8d COMMON OR 10d BOX NAILS REQD IN EA END OF 1 1/4" X 20-6A STL STRAP
ROOF ASSY TO WALL ASSY	16" OC	17'	386#	246#	109R#	4
WALL ASSY TO WALL ASSY	16" OC	17'	386#	246#	109R#	4
WALL ASSY TO FOUNDATION	16" OC	17'	170#	185#	436#	4

**EXPLANATION OF UPLIFT CONNECTIONS:**  
**ROOF ASSY TO WALL ASSY:**  
 UPLIFT CONNECTORS SHALL BE FROM RAFTER/TRUSS TO WALL STUD. IF A RAFTER OR TRUSS IS NOT LOCATED DIRECTLY ABOVE A WALL STUD, THEN THE RAFTER OR TRUSS SHALL BE ATTACHED TO THE WALL TOP PLATES OF WHICH THE WALL TOP PLATES SHALL BE ATTACHED TO THE WALL STUD WITH THE UPLIFT CONNECTOR NOTED IN THE TABLE ABOVE.  
**WALL ASSY TO WALL ASSY:**  
 UPPER FLOOR WALL STUD TO LOWER FLOOR WALL STUD UPLIFT CONNECTORS SHALL BE MADE FROM THE UPPER FLOOR WALL STUD TO THE LOWER FLOOR WALL STUD, WHERE UPPER FLOOR WALL STUDS ARE NOT LOCATED DIRECTLY ABOVE A LOWER FLOOR WALL STUDS, THEN THE STUDS SHALL BE ATTACHED TO A COMMON FRAMING MEMBER IN THE FLOOR FRAMING SYSTEM BY THE UPLIFT CONNECTORS NOTED IN THE TABLE ABOVE.  
**WALL ASSY TO FOUNDATION:**  
 LOWER FLOOR EXTERIOR WALL STUDS SHALL BE ATTACHED TO THE BOTTOM SOLE PLATE, AND THE BOTTOM SOLE PLATE SHALL BE ATTACHED TO THE FOUNDATION. THE STUDS SHALL BE ATTACHED TO THE SOLE PLATE WITH A STEEL BRACKET AS NOTED. THE SOLE PLATE SHALL BE ATTACHED TO THE CONCRETE FOUNDATION WITH EITHER A STEEL STRAP A MIN OF 1 1/4" X 20-6A (WITH A MIN EMBEDMENT IN THE CONCRETE OF 7" IN SLAB-ON-GRADE AND 15" IN CONCRETE FILLED REINFORCED MASONRY FOUNDATIONS), OR AN ANCHOR BOLT AS SHOWN AND NOTED AT DETAIL 4A. ALL STEEL STRAPS AND ANCHOR BOLTS SHALL BE HOT DIPPED GALVANIZED OR MANUFACTURED FROM 6185 OR 2450 GALVANIZED STEEL.



**THERMAL COMPONENT CRITERIA**

LOCATION	MATERIAL	R-VALUE	REMARKS
EXTERIOR WALLS	FIBERGLASS BATTS	R-19	
CEILING	FIBERGLASS BATTS	R-30	
FLOORS	FIBERGLASS BATTS	R-13	
CRAWL SPACE	RIGID INSULATION	R-5	

MAX GLAZING U-FACTOR = .75

DATA FOR ABOVE WAS TAKEN FROM THE 2009 INTERNATIONAL RESIDENTIAL CODE, SECTION N1102, TABLE N1102.1, "INSULATION & PENETRATION REQUIREMENTS BY COMPONENT".

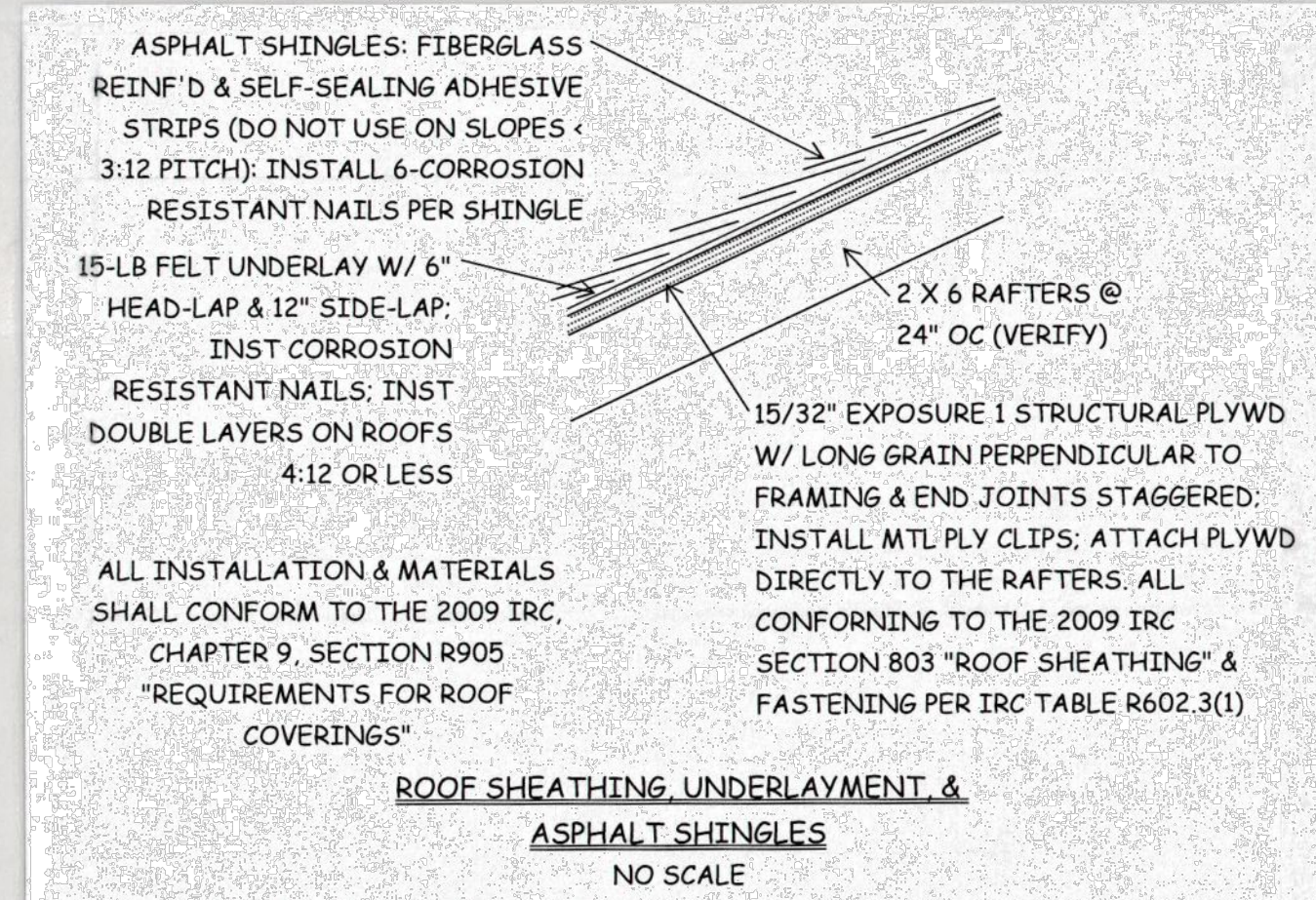
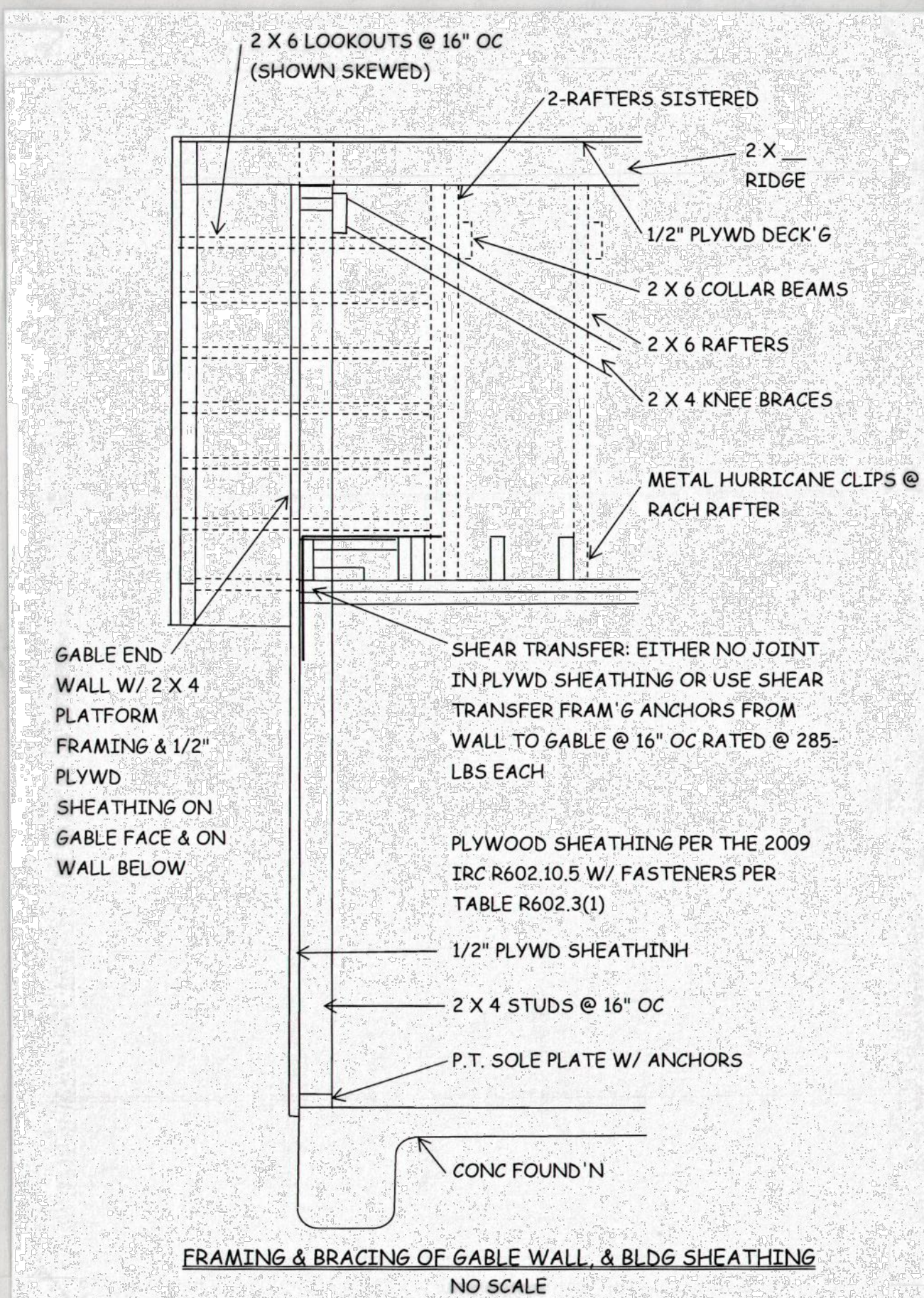
**WALL SHEATHING REQUIRED FOR WIND LOAD RESISTANCE\***

SHEATHING LOCATION	STUD SPACING	EDGES		FIELDS	
		MAX NAIL SPAC G/F/ 8d COMMON OR 10d BOX NAILS (INCHES OC)			
INTERIOR ZONE	12" OC	6	12		
	16" OC	6	12		
	24" OC	6	12		
PERIMETER EDGE ZONE	12" OC	6	12		
	16" OC	6	12		
	24" OC	6	12		

**ROOF SHEATHING REQUIRED FOR WIND LOAD RESISTANCE\***

SHEATHING LOCATION	TRUSS/RAFTER SPACING	EDGES		FIELDS	
		MAX NAIL SPAC G/F/ 8d COMMON OR 10d BOX NAILS (INCHES OC)			
INTERIOR ZONE	12" OC	6	12		
	16" OC	6	12		
	24" OC	6	12		
PERIMETER EDGE ZONE	12" OC	6	12		
	16" OC	6	12		
	24" OC	6	12		

\* 140 MPH WIND, EXPOSURE-B



**ROOFING DATA AND INFORMATION-**  
**ASPHALT SHINGLE INSTALLATION:**  
 ASPHALT SHINGLES SHALL HAVE A SELF-SEALING ADHESIVE STRIP AND COMPLY WITH ASTM D 225 OR D 3462. ASPHALT SHINGLES SHALL BE INSTALLED WITH (6) CORROSION RESISTANT NAILS PER SHINGLE, MINIMUM 12-GAUGE, WITH A MINIMUM 3/8" DIAMETER HEAD, OF SUFFICIENT LENGTH TO PENETRATE THE ROOFING MATERIAL AND A MINIMUM OF 3/4" INTO THE ROOF SHEATHING. FASTENERS SHALL MEET THE REQUIREMENTS OF ASTM F 1667.  
**UNDERLAYMENT APPLICATION:**  
 FOR ROOF SLOPES FROM TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL UP TO FOUR UNITS VERTICAL TO 12 UNITS HORIZONTAL, UNDERLAYMENT SHALL BE TWO LAYERS APPLIED IN THE FOLLOWING MANNER: APPLY A 19" STRIP OF UNDERLAYMENT FELT PARALLEL WITH AND STARTING AT THE EAVES, FASTENED SUFFICIENTLY TO HOLD IN PLACE. STARTING AT THE EAVE, APPLY 36" WIDE SHEETS OF UNDERLAYMENT, OVERLAPPING SUCCESSIVE SHEETS 19" AND FASTENED SUFFICIENTLY TO HOLD IN PLACE. FOR ROOF SLOPES OF FOUR UNITS VERTICAL TO 12 UNITS HORIZONTAL OR GREATER, UNDERLAYMENT SHALL BE ONE LAYER APPLIED IN THE FOLLOWING MANNER: UNDERLAYMENT SHALL BE APPLIED SINGLE FASHION, PARALLEL TO AND STARTING FROM THE EAVES AND LAPPED 2", FASTENED SUFFICIENTLY TO HOLD IN PLACE. END LAPS SHALL BE OFFSET BY 6-FEET

A RESIDENCE FOR:  
**MR. AND MRS. KENNETH JAMES**  
 28811 BERRY TODD ROAD, LACOMBE, LA

SCALE: SHOWN APPROVED BY: DRAWN BY:  
 DATE: 7/26/2020 ANTHONY E. PONCETTI

SHEET 2/3 STANDARD DETAIL SHEET CONNECTION DETAILS DRAWING NUMBER: