NAILING REQUIREMENTS

TJI JOISTS AT BEARINGS: TWO 8D (2 ½") BOX NAILS (1 EACH SIDE), $1\frac{1}{2}$ " MINIMUM FROM END. BLOCKING PANELS, RIM JOIST OR RIM BOARD TO BEARING PLATE:

TJI BLOCKING PANELS OR RIM JOIST: 10D (3") BOX NAILS AT 6" O.C.

TRUSS JOIST RIM BOARD: TOENAIL WITH 10D (3") BOX NAILS AT 6" O.C. OR 16D (3 ½") BOX NAILS AT 12" O.C.

SHEAR TRANSFER CONNCETIONS EQUIVALENT TO DECKING NAIL SCHEDULE.

RIM BOARD, RIM JOIST OR CLOSURE TO TJI JOIST: 1³/₄" WIDTH OR LESS: TWO 10D (3") BOX NAILS, ONE EACH AT TOP AND BOTTOM FLANGE. TJI EACH AT TOP AND BOTTOM FLANGE. TWO 16D (3 $\frac{1}{2}$ ") BOX NAILS, ONE EACH AT TOP AND BOTTOM FLANGE. TJI / PRO 550 & 400C RIM JOIST: TOENAIL JOIST TO RIM JOIST WITH ONE 10D(3") BOX NAIL EACH SIDE OF JOIST TOP FLANGE. / PRO 130, 350, 100C & 300C RIM JOIST.

2" x 4" MINIMUM SQUASH BLOCKS: TWO 10D (3") BOX NAILS, ONE EACH AT TOP AND BOTTOM FLANGE.



braced.

WARNING Joists are unstable until braced laterally Bracing

Includes: BlockingSheathing HangersRim Strut Board Lines Rim

Joist WARNING NOTES:

DO NOT stack building materials on unsheathed joists.

Lack of proper bracing during construction can result in serious accidents. Under normal conditions if the following guidelines are observed, accidents will be avoided.

1. INSTALL ALL BLOCKING, HANGERS, RIM BOARDS AND RIM JOISTS AT TJI JOIST END SUPPORTS.

2. ESTABLISH A PERMANENT DECK (SHEATHING), NAILED TO THE FIRST 4 FEET OF JOISTS AT THE END OF THE BAY OR BRACED END WALL.

3. SAFETY STRUT LINES OF 1 x 4 (MINIMUM) MUST BE NAILED TO A BRACED END WALL OR SHEATHED AREA.

4. SHEATHING MUST BE PROPERLY NAILED TO EACH TJI JOIST BEFORE ADDITIONAL LOADS CAN BE PLACED ON THE SYSTEM.

5. ENDS OF CANTILEVERS REQUIRE STRUT LINES ON BOTH THE TOP AND BOTTOM FLANGES.

6. TJI JOIST FLANGES MUST REMAIN STRAIGHT WITH A TOLERANCE OF $\frac{1}{2}$ " FROM TRUE ALIGNMENT.

WARNING DO NOT ALLOW WORKMENT ON TJI (GNI) ROSEBERG RFPI JOISTS UNTIL ALL BLOCKING, RIM JOISTS, HANGERS, AND TEMPORARY BRACING ARE COMPLETED IN ACCORDANCE WITH THE INFORMATION PROVIDED BELOW:

IMPROPER CONCERN FOR BRACING DURING CONSTRUCTION CAN RESULT IN SERIOUS ACCIDENTS. UNDER NORMAL CONDITIONS IF THE FOLLOWING GUIDELINES ARE OBSERVED ACCIDENTS MAY BE AVOIDED:

1. A LATERAL STREGTH, LIKE A BRACED END WALL OR AN EXISTING DECK MUST BE ESTABLISHED AT THE ENDS OF OF THE BAY. THIS CAN ALSO BE ACCOMPLISHED BY A TEMPORARY OR PERMANENT DECK (SHEATHING) NAILED TO THE FIRST 4 FEET OF JOISTS AT THE END OF THE BAY.

2. ALL BLOCKING, HANGERS AND RIM JOISTS AT THE END SUPPORTS OF THE TJI, GNI AND OR RFPI JOISTS MUST BE COMPLETELY INSTALLED AND PROPERLY NAILED.

3. TEMPORARY STRUTS OF 1 X 4 MINIMUM MUST BE NAILED TO THE BRACE END WALL OR SHEATHED AREA AS IN 1 ABOVE AND TO EACH JOIST AT THE ON-CENTER SPACING AS NOTED. WITHOUT THIS BRACING, BUCKLING SIDEWAYS OR ROLLOVER IS HIGHLY PROBABLE UNDER LIGHT CONSTRUCTION LOADS - LIKE TWO WORKMEN AND ONE LAYER OF SHEATHING.

4. SHEATHING MUST BE TOTALLY ATTACHED TO TJI, GNI OR RFPI JOISTS BEFORE ADDITIONAL LOADS CAN BE PLACED ON THE SYSTEM.

5. ENDS OF CANTILEVERS REQUIRE STRUT LINES ON BOTH THE TOP AND BOTTOM FLANGES.

6. THE TOP FLANGES MUST REMAIN STRAIGHT WITHIN A TOLERANCE OF $\frac{1}{2}$ " FROM TRUE ALIGNMENT.

ROUGH CARPENTRY NOTES:

1. ALL DIMENSIONAL FRAMING LUMBER SHALL BE STRESS GRADED, KILN DRIED. DOUGLAS FIR, SOUTHERN PINE OR EQUAL (MEET OR EXCEED). ALL JOISTS AND RAFTER SIZES AND SPACING SHALL MEET OR EXCEED THE MINIMUM LOCAL BUILDING CODE REQUIREMENTS FOR LOAD CARRYING CAPACITY. NOTE: HEMLOCK FRAMING MEMBERS ARE NOT ACCEPTABLE.

2. DIMENSIONAL LUMBER

JOISTS / HEADERS / RAFTERS - #2 DOUGLAS FIR, SOUTHERN PINE (1350 PSI) MINIMUM FLEXURAL STRESS) BLOCKING / BRACING / STIFF BACKS, ETC. #3 D.F. OR S.P.

3. A. EXTERIOR WALLS:

#2 DOUGLAS FIR OR SOUTHERN PINE / 2" x 6" @ 16" O.C. (STUD GRADE FIR) TREATED MUD SILL TO SET ON SILL SEALER.

B. INTERIOR PARTITIONS:

#2 DOUGLAS FIR OR SOUTHERN PINE / 2" x 4" STUDS @ 16" O.C. (SEE PLANS FOR 6" LOAD BEARING PARTITIONS 2" x 6" STUDS @ 16" O.C. STUD GRADE FIR.

D. ROOF FRAMING:

SEE PLANS

E. ENGINEERED LUMBER 2.0E LP GANG LAM LVL

INSTALL PER MANUFACTURER'S SPECIFICATIONS

G. SHEATHING:

THICKNESS AS NOTED ON DRAWINGS (½" MINIMUM) T & G CDX EXTERIOR RATED WALL SHEATHING COVERED WITH TYPAR HOUSE WRAP

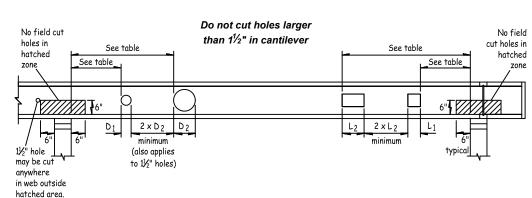
H. EXTERIOR CLADDING:

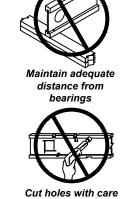
VINYL SIDING WITH INTEGRAL INSULATION BACKING COLOR TO BE SELECTED BY OWNER

I. EXTERIOR TRIM:

FASCIA BOARDS: AZEK TRIM BOARD SOFFITS: VENTED VINYL ALUM. DRIP EDGE

ALLOWABLE HOLES - TJI® Joists





Minimum Distance from Inside Face of Any Support to Nearest Edge of Hole

			-		-	_		_		,			-				J .
For other load	d conditi	ions o	r hole	configu	ırat	ions	s no	ot ir	ncluc	led	in	this	tab	ole, re	efer to)	
T.I-Ream® so	ftware c	or conf	act vo	ur Trus	: Jo	ist	ren	res	enta	tive	4						

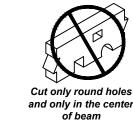
JOIST	TJI®/Pro™.	ROUND HOLE SIZE								SQUARE OR RECTANGULAR HOLE SIZE											
DEPTH		2"	3"	4"	5"	6¼"	7"	85/8"	9"	10¾"	12"	2"	3"	4"	5"	61/4"	7"	85%"	9"	10¾"	12"
	100TS	1'-6"	2'-0"	2'-6"	3'-6"	5'-6"						1'-6"	2'-6"	3'-6"	5'-0"	6'-0"					
	130	2'-0"	3'-0"	3'-6"	4'-6"	7'-0"						2'-0"	3'-0"	4'-0"	6'-0"	7'-0"					
	150	2'-0"	3'-0"	3'-6"	5'-0"	6'-6"						2'-0"	3'-0"	4'-0"	6'-0"	6'-6"					
9½"	250	2'-0"	3'-6"	4'-6"	5'-6"	7'-0"						2'-0"	3'-6"	4'-6"	6'-6"	7'-0"					
	350	1'-6"	3'-6"	5'-0"	6'-6"	7'-0"						1'-6"	3'-6"	5'-0"	6'-6"	7'-0"					
	100C	1'-6"	2'-0"	2'-6"	3'-6"	4'-6"						1'-6"	2'-0"	3'-0"	4'-0"	4'-6"					
	300C	2'-6"	3'-0"	4'-0"	5'-0"	6'-6"						2'-0"	3'-0"	4'-0"	5'-6"	6'-6"					
	400C	2'-0"	3'-0"	4'-0"	5'-6"	7'-6"						3'-0"	4'-0"	5'-6"	7'-0"	7'-6"					
	100TS	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	6'-0"				1'-6"	2'-0"	3'-0"	4'-0"	6'-6"	7'-0"	8'-6"			
	130	1'-6"	2'-0"	2'-6"	3'-6"	4'-6"	5'-0"	8'-0"				2'-0"	3'-0"	3'-6"	5'-0"	7'-6"	8'-0"	9'-6"			
	150	1'-0"	1'-0"	2'-0"	3'-0"	4'-6"	5'-6"	8'-6"				1'-0"	2'-0"	3'-6"	5'-0"	7'-6"	8'-0"	9'-0"			
	250	1'-0"	1'-6"	2'-6"	4'-0"	5'-6"	6'-6"	9'-0"				1'-0"	2'-0"	4'-0"	5'-6"	8'-0"	8'-6"	9'-6"			
11%"	350	1'-6"	2'-6"	3'-6"	5'-0"	6'-6"	7'-6"	9'-6"				1'-6"	3'-0"	4'-6"	6'-0"	8'-6"	9'-0"	9'-6"			
	550	1'-6"	2'-6"	4'-0"	5'-0"	7'-0"	8'-0"	10'-6"				3'-6"	5'-0"	6'-0"	7'-6"	9'-6"	9'-6"				
	100C	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"	4'-0"	6'-6"				1'-0"	2'-0"	2'-6"	3'-6"	5'-0"	5'-6"	7'-0"			
	300C	1'-6"	2'-0"	3'-0"	3'-6"	4'-6"	5'-6"	9'-0"				1'-6"	2'-6"	3'-6"	4'-6"	7'-0"	7'-6"	9'-0"			
	400C	1'-0"	2'-0"	3'-0"	4'-0"	5'-6"	6'-6"	9'-6"	51.01	01.01		3'-0"	4'-0"	5'-0"	6'-6"	9'-0"	9'-0"	10'-0"	401.01	4.41.011	
	130	1'-0"	1'-0"	1'-6"	2'-0"	3'-0"	3'-6"	5'-0"	5'-6"	8'-6"		1'-0"	2'-0"	3'-0"	4'-0"	6'-0"	7'-6"	10'-0"	10'-0"	11'-6"	
	250 350	1'-0" 1'-0"	1'-0"	1'-0" 1'-0"	1'-0"	3'-0" 4'-0"	4'-0"	6'-6"	7'-0"	10'-0"		1'-0" 1'-0"	1'-0"	2'-0"	4'-6"	7'-0" 7'-6"	8'-6"	10'-6"	10'-6"		
14"	550	1'-0"	1'-0" 1'-0"	2'-0"	2'-6"	5'-6"	5'-0"	7'-6" 8'-6"	8'-0" 9'-0"	11'-0" 12'-0"		2'-6"	1'-0" 4'-0"	3'-0" 5'-6"	5'-0" 7'-0"	9'-0"	9'-0" 10'-0"	10'-6" 12'-0"	11'-0" 12'-0"	12'-0" 13'-0"	
14	100C	1'-0"		1'-0"	3'-6"		6'-6"		9-0 4'-0"						3'-0"	9-0 4'-0"		7'-0"	7'-6"	9'-0"	
	300C	1'-0"	1'-0" 1'-0"	1'-6"	1'-0" 2'-6"	2'-0" 3'-6"	2'-6" 4'-0"	3'-6" 5'-6"	6'-0"	7'-0" 10'-0"		1'-0" 1'-0"	1'-0" 1'-6"	2'-0" 3'-0"	4'-0"	5'-6"	5'-0" 7'-0"	9'-6"	10'-0"		
	400C	1'-0"	1'-0"	1'-6"	3'-0"	4'-6"	5'-0"	7'-0"	8'-0"	11'-0"		2'-0"	3'-6"	4'-6"	6'-0"	8'-0"	9'-6"	11'-0"	11'-0"		
	130	1'-0"	1'-0"	1'-0"	1'-0"	1'-6"	2'-6"	3'-6"	4'-0"	5'-6"	7'-6"	1'-0"	1'-0"	2'-6"	3'-6"	5'-0"	6'-0"		10'-6"	12'-0"	13'-0'
	250	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	3'-6"	4'-0"	7'-0"	9'-6"	1'-0"	1'-0"	1'-0"	2'-0"	5'-0"	7'-0"		11'-0"		13'-6'
	350	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	2'-6"	5'-0"	5'-6"	8'-6"	10'-6"	1'-0"	1'-0"	1'-0"	3'-6"	6'-0"	7'-6"	11'-6"	11'-6"	12'-6"	13'-6'
16"	550	1'-0"	1'-0"	1'-0"	1'-6"	3'-6"	4'-6"	7'-0"	7'-6"	10'-0"	12'-0"	1'-0"	2'-6"	4'-6"	6'-0"	8'-6"	9'-6"	13'-0"	13'-0"		15'-0'
-	100C	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	2'-6"	2'-6"	4'-0"	5'-6"	1'-0"	1'-0"	1'-0"	2'-0"	3'-6"	4'-6"	7'-0"	7'-6"	9'-0"	10'-6'
	300C	1'-0"	1'-0"	1'-0"	1'-0"	2'-0"	2'-6"	4'-0"	4'-6"	6'-6"	8'-6"	1'-0"	1'-0"	2'-0"	3'-0"	5'-0"	6'-0"	9'-6"	10'-0"		13'-0'
	400C	1'-0"	1'-0"	1'-0"	1'-0"	2'-6"	3'-6"	5'-6"	6'-0"	8'-6"	11'-0"	1'-0"	2'-0"	3'-6"	5'-0"	7'-0"	8'-6"	12'-0"	12'-6"		14'-0'
	ſ	2"	4"	6"	8"	10"	12"	14¾"	16¾"			2"	4"	6"	8"	10"	12"	14¾"	16¾"		
	350	1'-0"	1'-0"	1'-0"	1'-0"	4'-0"	7'-6"	13'-0"				1'-0"	1'-0"	3'-0"	8'-0"	13'-0"	15'-0"				
18"	550	1'-0"	1'-0"	1'-0"	3'-6"	6'-6"	10'-0"	15'-0"				1'-0"	2'-0"	6'-6"	10'-6"	14'-6"	16'-0"				
18"	300C	1'-0"	1'-0"	1'-0"	2'-0"	4'-0"	6'-0"	11'-0"				1'-0"	1'-0"	3'-0"	6'-6"	10'-6"	13'-0"				
	400C	1'-0"	1'-0"	1'-0"	2'-6"	5'-6"	8'-0"	13'-6"				1'-0"	2'-0"	5'-6"	9'-0"	13'-6"					
	350	1'-0"	1'-0"	1'-0"	1'-0"	2'-6"	6'-0"	10'-0"	14'-6"			1'-0"	1'-0"	1'-0"	6'-0"	11'-6"	15'-0"	17'-6"	19'-6"		
20"	550	1'-0"	1'-0"	1'-0"	1'-0"	3'-6"	7'-0"	12'-0"	16'-0"			1'-0"	1'-0"	4'-0"	9'-0"	14'-0'	17'-0"	18'-6"	19'-6"		
20	300C	1'-0"	1'-0"	1'-0"	1'-0"	3'-0"	5'-0"	8'-0"	12'-0"			1'-0"	1'-0"	1'-6"	5'-0"	9'-0"	12'-6"	16'-6"	19'-0"		
	400C	1'-0"	1'-0"	1'-0"	1'-0"	3'-0"	6'-0"	10'-0"	14'-6"			1'-0"	1'-0"	4'-0"	8'-0"	12'-6"	16'-0"	18'-0"	20'-0"		

 Leave ½" web at top and bottom of hole. DO NOT cut joist flanges. • Table is based on uniform load tables in current design literature.

RÒUND HOLE CHART

- For simple span (5 foot minimum) uniformly loaded joists not requiring commercial concentrated loads, one maximum size round hole may be
- located at the center of the joist span provided no other holes occur in the joist. **ALLOWABLE HOLES - Beams and Headers**

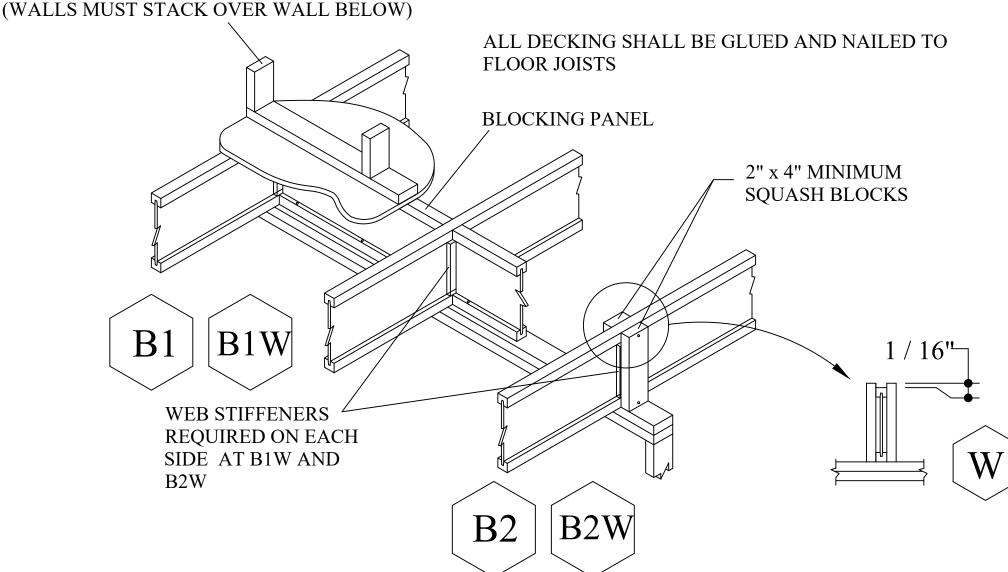
2x diameter of the largest hole (minimum) Allowed hole zone ⅓ depth ⅓ span Allowed hole zone

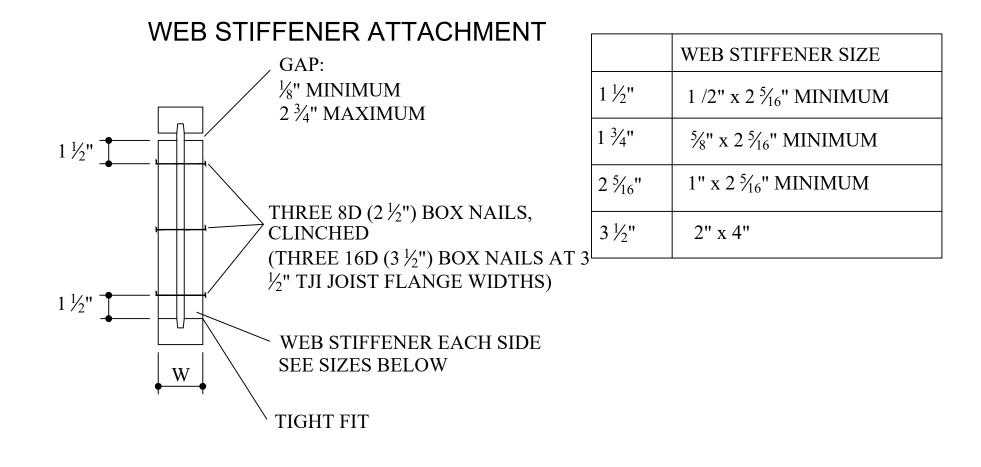


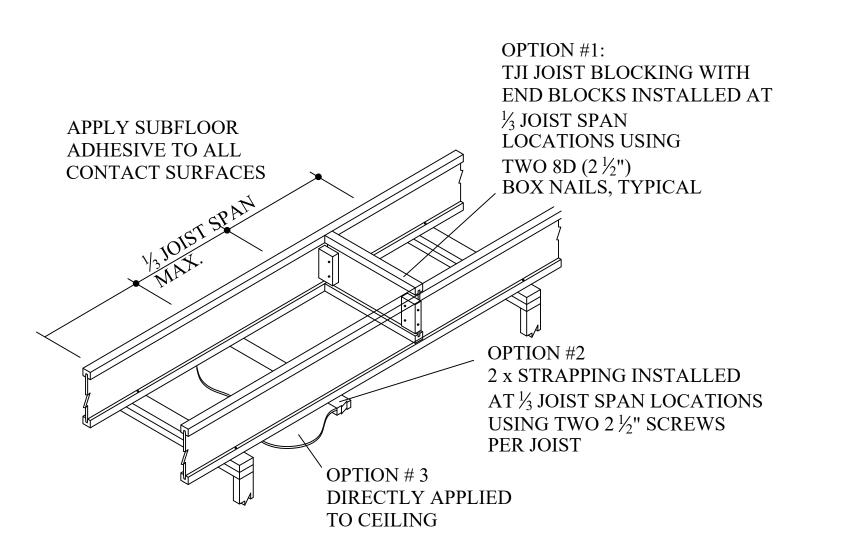
 Rectangular holes are not allowed. Holes in cantilevers require additional analysis.

• For uniformly loaded beams only.

LOADING BEARING OR SHEAR WALL ABOVE









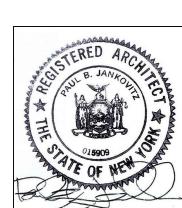
BRIDGING / BLOCKING DETAIL

PAUL B. JANKOVITZ, R.A. ARCHITECT/PLANNER T. NJ. NY. 62 YALE COURT KINGSTON, NEW YORK 12401 845-532-3464 PBJAIA@AOL.COM

UNLESS ACTING UNDER THE DIRECTION OF A SIGNATURE AND THE DATE OF SUCH ALTERATION.

ALBANY POST ROAD **DUPLEX APARTMENTS**

39 OLD ALBANY POST ROAD OSSINING, NY



	<u> </u>								
VISIONS									
١.	DATE	DESCRIPTION							
	1.29.20	AREA REDUCED							

NOV. 5, 2019 PROJECT NO.

note letails O

1 / 4 " = 1' - 0 " DRAWING NO.

A-13.0