

# GATOR JOIST

## GENERAL FRAMING NOTES

- **GATOR JOIST** are designed and engineered to be trimmed up to 12" off each end.
- Span charts reflect the use of composite action afforded by glued AND screwed sheathing to the top chord of the joist. This composite action assists in deflection performance of the joist.
- A minimum of 1 1/2" bearing is required at all bearing locations.
- All spans listed in this Installation Guide are out-to-out measurements at bearing point supports.
- All spans listed in this Installation Guide are specifically for the uniform loads listed with each table, **"there are no variances allowed"**.
- Uniform loading conditions listed in this Installation Guide refer to the maximum allowed.
- When in doubt about a specific or critical loading condition, alternative spans, and o.c. spacing may be possible. Contact your **GATOR JOIST** technical representative for additional options.
- Web fillers (stiffeners) must be installed whenever joist hangers do not fully support the top chord of the **GATOR JOIST**.

### MINIMUM BEARING LENGTH

- 1 1/2" minimum bearing is required at all bearing points.
- 7/16" rim board reinforcements or closure refers to CDX APA rated sheathing or other 7/16" exterior grade 48/24 span rated sheathing that is cut to match the full depth of the joist.

### NAILING REQUIREMENTS

- When nailing joist at bearing locations, use two (2) 16d nails (one each side) placed a minimum of 1 1/2" from end.
- Toenail rim board to bearing place with 10d nails 6" o.c. When used for shear transfer, nail to bearing plate with same nailing schedule as floor deck.
- If using double 3/4" rim board double nail with two (2) 16d nails.
- Attach 2"x4" minimum "squash" blocks per DETAIL "J" to top and bottom flanges with two (2) 16d nails.

### DECKING

- For the best performance of a **GATOR JOIST**, use a minimum of 7/8" T&G sheathing, glued and screwed, in accordance with APA and local building codes.

### RIM BOARD AND BLOCKING

- For single story applications and the second story of multi-level applications, refer to DETAIL "A".
- For main floor rim of multi-story applications, refer to DETAIL "A".
- Details provide 1,000 plf vertical load transfer for each layer of 3/4" CDX or other APA rated sheathing material.
- Details provide 4,400 plf vertical load transfer for each 1 1/8" rim board.
- Locations of DETAILS "B", "C", AND "J" to be specified by the building designer or architect.

### BRACING

- Strong back bracing 10' o.c. (2"x6" or double 2"x4") is required in accordance with ANSI-TPI 2002, Section 3.2.4. The use of strong back bracing will minimize vibration and overall deflection in a floor system.

### WEB STIFFENER REQUIREMENTS

- Web stiffeners are required if the sides of the hanger do not laterally support the top flange of the **GATOR JOIST**.

