

Type of Work: Erecting Trusses

## Potential Hazards:

- worker hooking up trusses could get caught b/w trusses if not out of the way when crane lifts up
- nailers shooting nails
- crane swinging trusses
- forklift dumping perlins
- worker could get hit by swinging truss or truss hooks
- slips or falling through perlins/truss when walking on top or inside roof system
- strains from lifting and passing perlins
- contact with power lines
- noise from skill saw or nailers
- falling tools, nailers, hammers etc
- lighting at times
- windy weather
- frost on perlins, especially in the morning

## Procedure:

1. PPE required: Hard Hats, safety boots
2. A certified crane operator is to be used with no exceptions
3. Only certified operators with valid certificates present at jobsite are allowed to occupy equipment, no exceptions.
4. Use proper hand signals to guide crane. Designate **1** person to guide the crane. (Hand signals in safe work practices section of safety manual)
5. An Engineered spreader bar is to be used
6. Make sure you watch for the spreader bar and hooks until they are out of the way
7. Ladders are to be tied off at all times
8. Workers on the ground hook trusses to crane
9. Ensure that all documents, pictures and instructions are available on site
10. Measure trusses to ensure they are built to the right span
11. Check for damaged trusses
12. Be sure that exterior walls are braced properly before erecting trusses
13. Erect gable end trusses and install bracing to prevent lateral movement
14. Trusses are guided in by rope on 1 end and landed by 1 worker on each end
15. If interior walls are available, trusses may be laid flat

16. Perlins are lifted onto the roof with zoom boom
17. Brace each truss as it is erected, ensure that all lateral bracing that is specified is installed
18. Perlins are laid on the roof and nailed to the truss after it is set into position
19. Be sure to talk to workers that are passing up perlins to move out of the way when truss is being swung into place
20. Nailers/Drills are to be tied off so they do not fall
21. Workers on the ground pass lumber to the workers installing the CLB (continuous lateral bracing)
22. Once the truss is fastened to the top perlins, the truss is unhooked and the crane goes to pick-up the next truss

### Fall Protection Rescue Plan:

Uninjured person(s): equipment must be used to extract the worker quickly. Only certified persons should operate equipment. Ladders, man-lifts, and elevated work platforms are to be used. The worker must be taken to the hospital immediately.

Injured person(s): If the person has suffered an injury and self rescue is impossible, personnel has to be called that is specifically trained and equipped to handle the situation. The fire department must be called so they can use high rise equipment to extract the injured worker. The worker has to be taken to the hospital immediately.

Neepawa Fire Chief (Scott): 204-476-6011 or call 911.

### Fall protection plan:

- Before the use of fall protection, anchor straps, cross arm straps or any bracing systems must be installed.
- A total of 4 workers will be on the roof, 2 on either side. These workers will use anchor straps to connect to the beam or truss. Harnesses and lanyards must be used at any point when the worker is at or above 10 feet.
- 1 worker on either side of the truss will be harnessed and tied off to a pole. These workers will put the truss in place and toenail the truss.
- No more than 3 people can be tied off to the same beam.
- Once the workers on the roof are at the end of their lanyard, the worker must walk back to their anchor point and stay in a safe manner while the other worker moves his anchor strap and connects his lanyard to the strap on a different beam. No one is to move while they are not strapped in.
- “D” rings must be used that can withstand at least 5000 lbs.
- Check over harnesses and anchor straps and cross arm straps for tears or rips. Check “D” rings to make sure they are securely fastened.
- Any worker that is on a man-lift or elevated platform that is over 10 feet must be harnessed.
- Make sure all tools and equipment are tied off to prevent falling objects.

Prepared By: Andrew Krieser, Ken Waldner, Tilda Fortier, Chris Fortier