

# WTCA QC Wall Panel – Inspection Summary Sheet

Please refer to the manual for further explanation of any topics discussed below!



## Getting Started

- Select a wall panel to inspect. (Please remember to inspect a representative sample of your manufacturing.)
- Print off all design software information. (Including all dimensions, lumber, and any other material specifications.)
- Gather wall panel inspection form and inspection tools. (tape measure, marker, depth gauge)
- Remember, the inspector must learn how to read a wall panel drawing. We recommend that the inspector meet with the wall panel designer to learn how to read the drawing and its different components.
- All inspectors must be able to read a tape measure.
- Locate wall panel and begin inspection.

## Inspection Procedures

- Fill out all header information on wall panel inspection form. (Please be accurate as this information will allow you to track individual crew performance.)
- The inspection form states what is required and is self explanatory, please follow it carefully.
- Start with the overall dimensions. You are required to record the length and height of the wall panel. [Refer to p.16 for dimensions and lumber]
- Items in gray are for exterior panels only. If you are inspecting an interior wall panel you can either circle N/A or leave those questions blank.
- Three things to check when inspecting lumber 1) the lumber used is the same as specified, 2) quality of lumber end to end, and 3) quality of lumber on the edge and face.
- If the wall panel has more than one header you must inspect all of the headers (length, height, depth, square, and materials) and enter the length, height, and depth for one header. If the wall panel has no headers then circle N/A for those 4 questions and leave the measurements blank. [Refer to p.17 for headers and bucks]
- If the wall panel has more than one buck you must inspect all of the bucks (rough openings, materials, sill plate height, and number of cripples) and enter the rough opening height and length and sill plate height for one buck. If the wall panel has no bucks then circle N/A for those 4 questions and leave the measurements blank.
- Inspect the stud placement to make sure it matches the drawing and record the stud spacing. [Refer to p.18 for placement and nailing]
- Make sure top and bottom plates match the drawing.
- Make sure blocking and bracing match the drawing. Circle N/A if this does not apply.
- Inspect the nailing pattern and spacing; record how many nails per stud are specified and how many are actually nailed into each stud.
- Make sure all nails are embedded properly and that all fasteners are the correct type and size.
- Inspect sheathing placement and offset for all exterior wall panels and make sure it matches the drawing. If there is no sheathing circle N/A or leave the questions blank.
- Record the specified and actual field and edge spacing for sheathing fastening. [Refer to p.19 for sheathing]
- Make sure sheathing materials, fasteners, and embedment are correct.
- Make sure sheathing house wrap is applied correctly when required.

## Using the Database

- Please complete the inspection before making repairs. We want to collect as much information as possible so that we get an accurate representation of what is happening.
- Correctly label and enter your lines and crews for each shift into the database so you can create reports based on crew, line, and line and shift [Refer to p.14].
- **Never change data from your original inspection** - once you have repaired the panel, add your specific remedy to the comment and initial the inspection making it OK!
- All out of conformance inspections require a comment containing a specific cause and remedy statement. Could anyone read your comments and understand them?
- Make sure data entry is complete. We require you to answer all 25 questions in the database and to enter the length and height. If you are sending data to WTCA for certification then we also ask for header, buck, stud spacing, nails per stud, and sheathing fastener spacing information.
- Data entry tips: 0=No, 1=Yes, 2=N/A, t=today's date, n=now or current time, + and - to scroll to the correct date and time, 1=exterior, 2=interior, 3=special, and make sure to mark your inspector, line, and crew defaults if you use one of them most of the time.
- Use the averages button to check inspections per crew [Refer to p.26].
- Go to upper left to "Inspection" and "Delete" to delete inspections [Refer to p.27].