

# CFSC 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, member info, 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]
- Four things to check when inspecting studs and tracks: 1) the sections conform to the drawing (length, width, type, material, etc.), 2) the quality of steel is visually acceptable, 3) stud knockouts are correct (holes are not within 10" edge of the stud for load bearing walls), and 4) the gaps between studs and tracks are within 1/8".
- If the wall panel has more than one header you must inspect all of the headers (length, height, depth, square, type, material) 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 window or door openings]
- If the wall panel has more than one window or door opening you must inspect all of them (rough openings, materials, sill plate height, and number of cripples) and enter the rough opening height and length and sill plate height for only one. If the wall panel has no bucks then circle N/A for those 4 questions and leave the measurements blank.
- Inspect the stud placement and orientation to make sure it matches the drawing and record the stud spacing. [Refer to p.18 for placement and fastening]
- Make sure top and bottom tracks as well as all web stiffeners and clips match the drawing.
- Make sure bracing and blocking match the drawing including CRC, lateral strapping, x-bracing, bridging, or flat stock. Circle N/A if this does not apply.
- Inspect the fastener pattern and spacing; record how many fasteners per stud are specified and how many are actually fastened into each stud.
- Make sure all fasteners are tight showing a minimum of 3 threads and that they are not stripped.
- Fasteners must be the correct type and size (self drilling, tapping screws, rivets, clinching).
- If the wall panel has welded connections make sure they conform to the specs. Circle N/A if this does not apply.
- Make sure if bracing exists that it is fastened correctly. Circle N/A if this does not apply.
- 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 and fasteners are tight and hitting studs and tracks.
- 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 27 questions in the database and to enter the length and height. If you are sending data to CFSC for certification then we also ask for stud and track identification, header, rough opening, stud spacing, fasteners 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].