



HORNET II

CUTBUILDER OFFLINE MODE QUICK START GUIDE

Effectivity	All
Revision Date	--
Revised By	--
Orig. Release Date	7/31/2025
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Approved By	S. Crosby

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Purpose and Scope

This article provides abridged information taken from the Hornet II manual and is intended to act as a short guide for becoming familiar with the CutBuilder Automation (also referred to as CutBuilder) offline mode interface and provide instructions for printing pick lists.

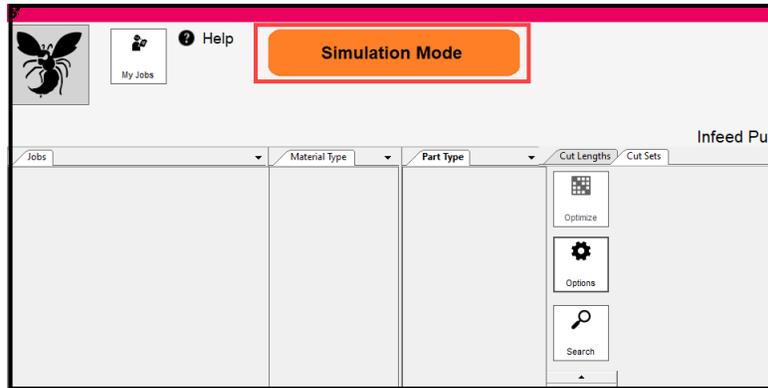
For more information regarding the CutBuilder software, refer to the Hornet II manual or contact Automation Support at 1-200-523-3380.

CutBuilder Offline Mode

CutBuilder will display “Simulation Mode” near the Help menu when in offline mode.

NOTE: Offline mode does not have all the features or menus of the saw-installed version but does allow for loading jobs for viewing and printing pick lists.

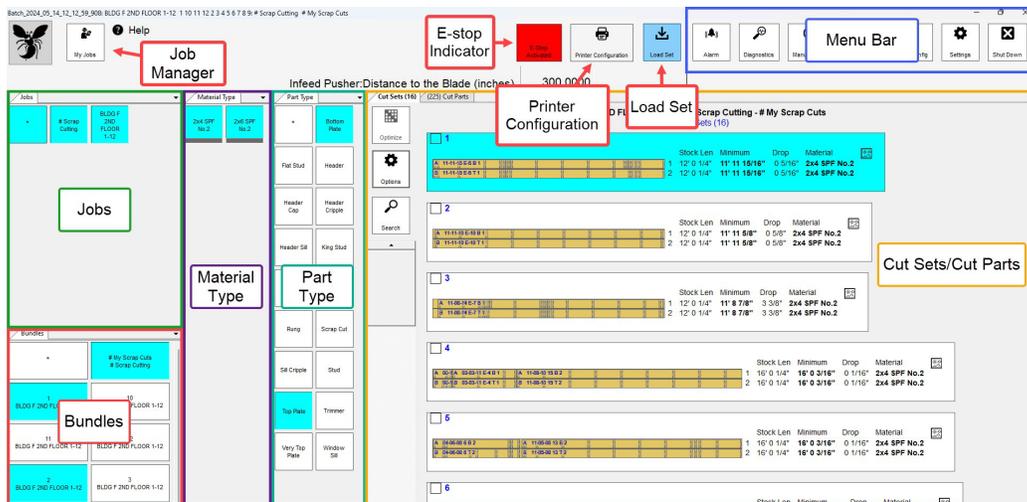
Figure 1: Offline Mode



Home Screen Overview

The home screen shows data for each part to be cut and provides access to all the functionality required during normal production use. Figure 2 shows each section of the home screen.

Figure 2: Home Screen Overview



*Figure 2 depicts menus unavailable in offline mode.

Menu Bar and Ribbon

The menu bar refers to the selections at the top of the home screen. As shown in Figure 2, there are multiple functions that appear on the menu bar.

Note: Not all these menus will display in Offline Mode.

Help Link

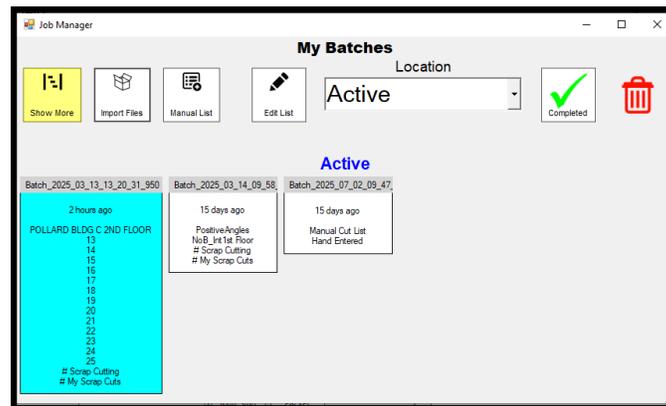
This link will direct you to multiple options for machine information and support.

Name	Function
About	Displays software information, including the version.
Contact Us	Contact information for machine support.
Remote Support	Opens a browser window to a service that allows for remote support with a MiTek representative.

Job Manager

The job manager is used to generate jobs for processing. Jobs can be imported from a file or manually created.

Figure 3: Job Manager



Jobs that are currently loaded are highlighted in blue. Select a job to load it.

- **Import Files** Displays a file explorer for importing jobs. The following file types are supported:
 - Shopnet
 - Virtek (limited support)
 - WBX

Jobs can be imported via a USB drive or over the network.
- **Manual List** Allows for building a custom cutting list. Build a cutting list by selecting the desired material and entering the length and quantity before adding it to the list.

Figure 4: Manual List Screen

- **Edit List** Allows for editing of the currently selected list. The interface is identical to Figure 4.
- **Location** Jobs can be categorized using the following locations:
 - **Active** includes currently loaded jobs available for processing.
 - **Trash** includes jobs that have been discarded. Jobs can be placed in the trash by selecting and dragging them to the trash can icon. See Figure 5.
 - **Completed** includes jobs that have been processed. Use the Completed button to display completed jobs. See Figure 5.

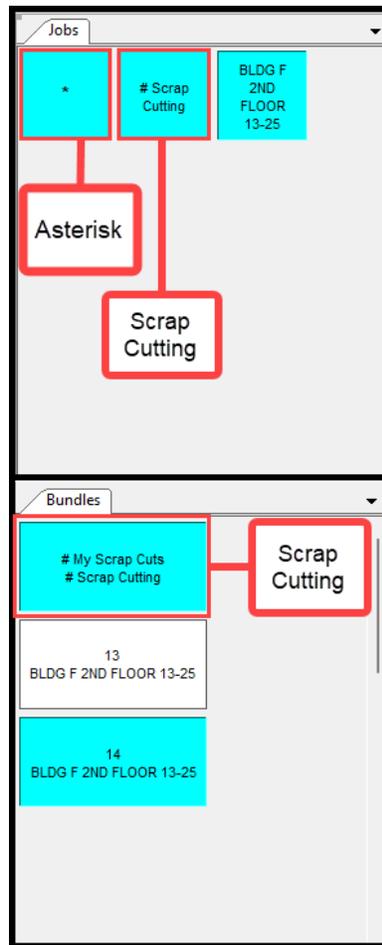
Figure 5: Job Locations

The currently displayed location (active, trash, or completed) will be indicated on the Job Manager screen. See Figure 5.

Jobs and Bundles

The jobs section displays the jobs that have been loaded utilizing the Job Manager.

Figure 6: Jobs and Bundles Sections



Once a job(s) has been selected, the bundles section will populate with the available bundles. Selected jobs and bundles will be highlighted in blue.

The jobs, bundles, and part type sections may have two extra items available depending on the configuration - the Asterisk and Scrap Cutting

- * (Asterisk) Selects every job available.
- Scrap Cutting Selects items designated for scrap cutting.

Once jobs and bundles are selected, the Part Type section will populate.

Part Type

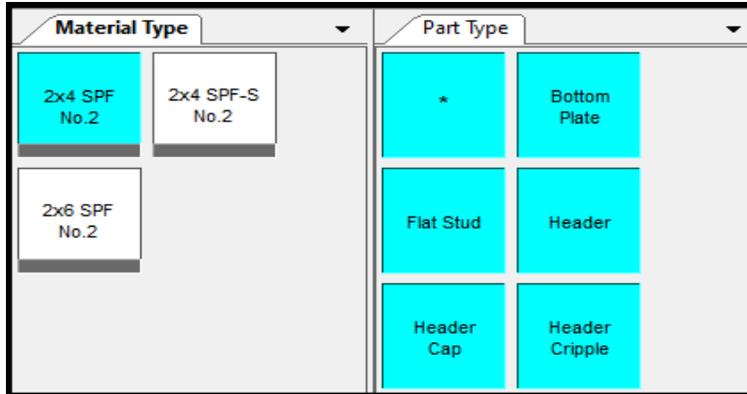
The part type section displays different part types available for processing. The part types are populated based on the selected job and bundles.

Selected part types are highlighted in blue.

- * (Asterisk) Selects every job available.

Selecting different part types will also change what appears on the Cut Parts tab.

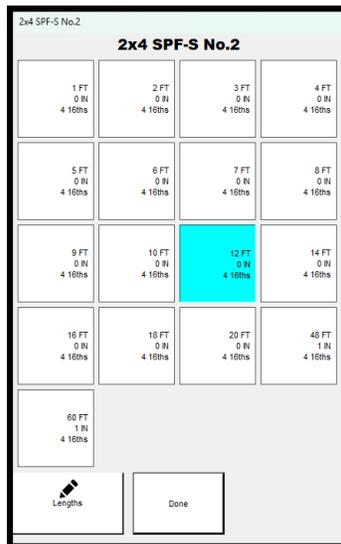
Figure 7: Material Type and Part Type Sections



Material Type

The material type section will populate as part types are selected. Once the desired material types for the job are selected, they will be highlighted blue. Selecting a material type will open a dialog box that allows for specifying which material lengths are available for processing the job as shown in Figure 8.

Figure 8: Available Length Selector



- Lengths Used to add additional custom lengths if the desired length is unavailable for selection.

Cut Sets and Cut Parts

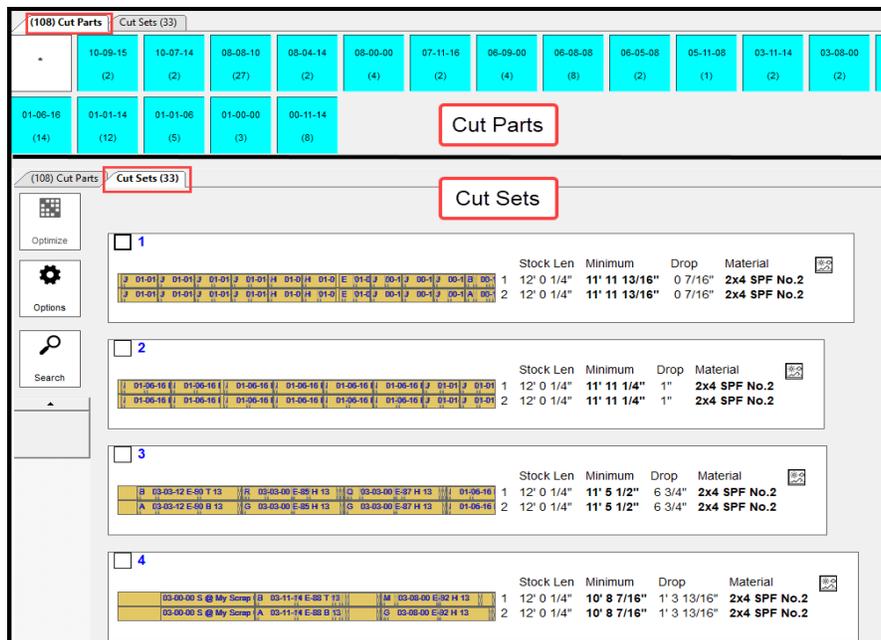
After loading a job and selecting the desired material types and part types, the Optimize button in the cut sets section will blink (see Figure 9) and must be selected to proceed.

- Note that by default, Optimize will not optimize the job for the least amount of waste. Least Waste Optimization must be selected in Cut Set Options.
- Pick lists (a list of lumber necessary to process the cut sets) organized by either Cut Sets or Footage are also available in the Cut Set Options menu.

After optimizing, the cut sets section will populate.

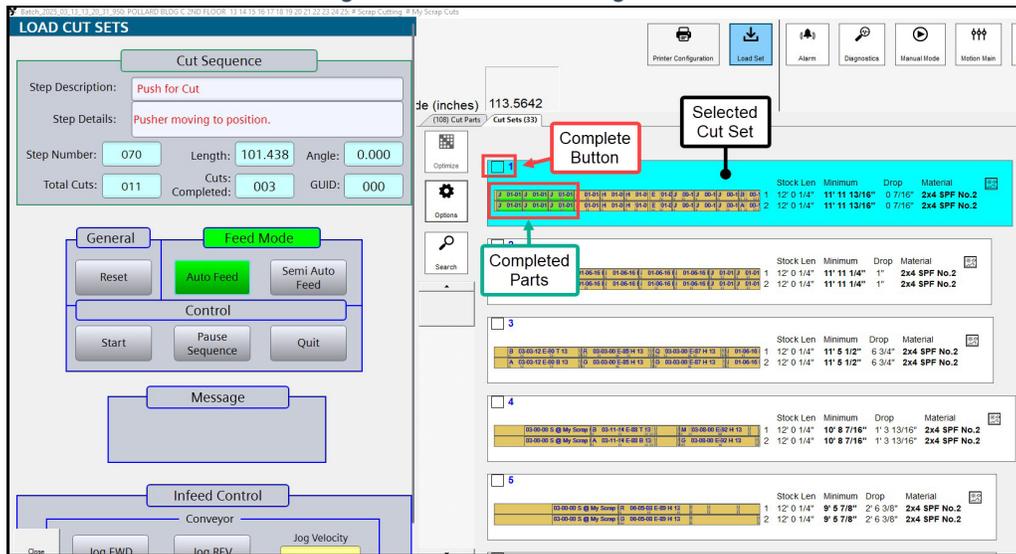
Switch between which screen is active (Cut Sets or Cut Parts) by selecting the appropriate tab at the top of the section; see Figure 9.

Figure 9: Cut Sets and Cut Parts Sections



Cut Sets

Figure 10: Cut Set In Progress



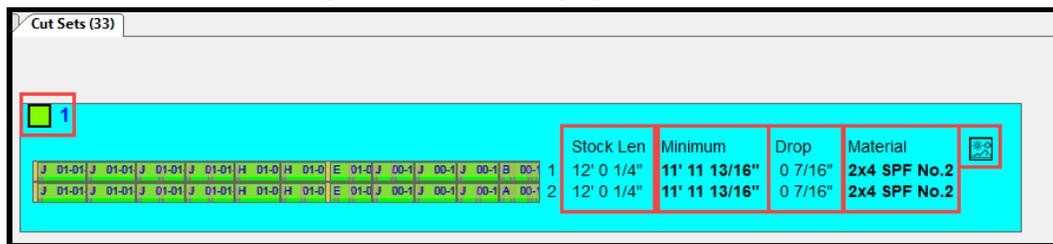
The cut sets section displays the cut sets in the order they will be processed by the saw.

By default, all cut sets will be loaded for processing when using the Load Set function. Alternatively, individual cut sets can be selected for loading. A currently selected cut set is highlighted in blue.

As the saw processes the cut sets, the software will communicate where the saw is in the process. Completed parts are highlighted in green. Once a cut set is completed entirely, the complete button becomes green.

Cut Sets can be changed to a complete status manually before loading sets by selecting the complete button. See Figure 11 for a completed cut set example.

Figure 11: Cut Set Display Information



- **Complete Button** Toggle to complete a cut set manually. The complete button is green when a cut set is in a completed status. The cut set number is displayed next to the complete button.
- **Stock Len** The intended length of the material for that cut set, based on the selected material lengths.
- **Minimum** The minimum length of material required for that cut

set.

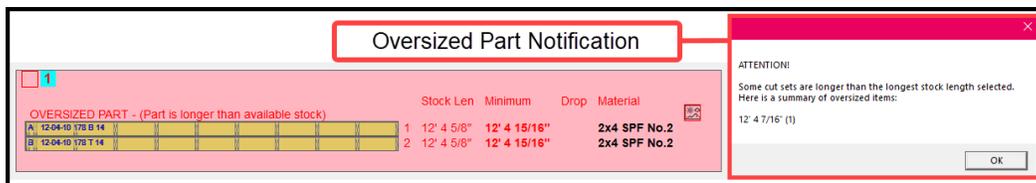
- Drop The length of waste (does not include intended scrap cuts).
- Material The intended material type for that cut set.



Double-tap the picture icon to display a pop-up with an image of what will be marked on the part.

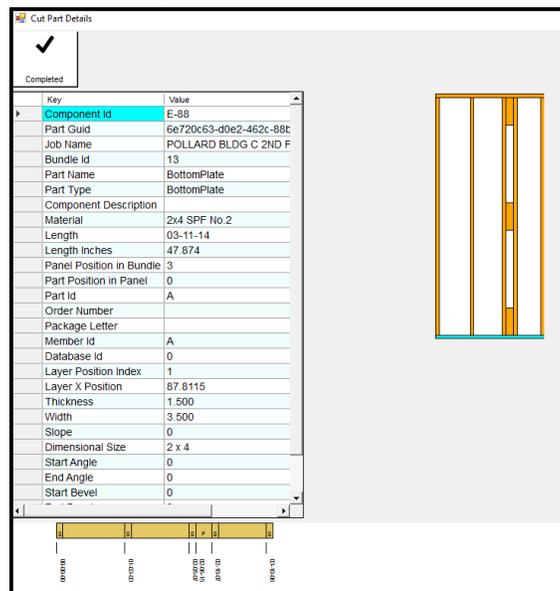
Cut sets may also display in red if it includes an oversized part. An oversized part is a part that is longer than the longest available length selected under Material Type.

Figure 12: Oversized Part Notification



Each cut set also has a graphical representation of what will be processed. Selecting an individual part in the cut set will open a Cut Part Details window that includes a graphic of where the part is in the assembly and indicates if it has been completed or not.

Figure 13: Cut Part Details



Cut Parts

Figure 14: Cut Parts Section

(333) Cut Parts				
08-10 (2)	10-08-00 (2)	09-11-16 (2)	09-09-04 (3)	09-05-12 (3)
06-14 (2)	05-03-00 (2)	04-05-08 (3)	04-02-14 (3)	03-05-00 (4)

The cut parts section allows for selecting or deselecting particular parts from being processed. Selected parts for processing are highlighted in blue. The selections available in the Cut Parts tab changes based on what Part Types are selected.

Pick Lists

Loading and Optimizing

Before being able to access a pick list, a job must be loaded and optimized. To load and optimize a job, complete the following steps:

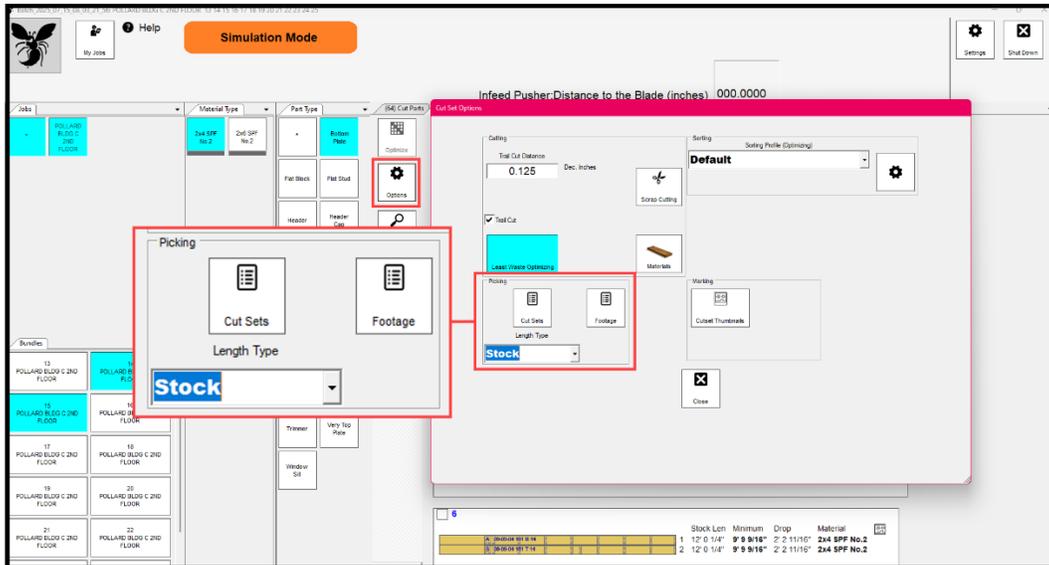
1. Load a job using the Job Manager.
2. Select the job to be processed, then the desired bundles in the Jobs and Bundles sections.
3. Select the desired parts for processing in the Part Type section.
4. As part types are selected, the Material Type section will populate. Select the desired material types for the selected part types in the Material Type section.
5. Once a material is selected, a screen for selecting available lengths of that specific material appears.
6. After the desired Job, Bundles, Materials, and Parts have been selected, the software is ready to optimize and load cut sets. Select the Optimize button to begin optimizing and loading the cut sets.

See the [Home Screen Overview](#) section for more information.

Accessing and Printing Pick Lists

To access a pick list, once a job is loaded and optimized, select **Options** in the Cut Sets window.

Figure 15: Opening Pick Lists



Pick lists can be opened by selecting either Cut Sets or Footage in the Cut Set Options dialog box under the Picking heading. The length type can also be changed between “stock” and “minimum” before opening either pick list.

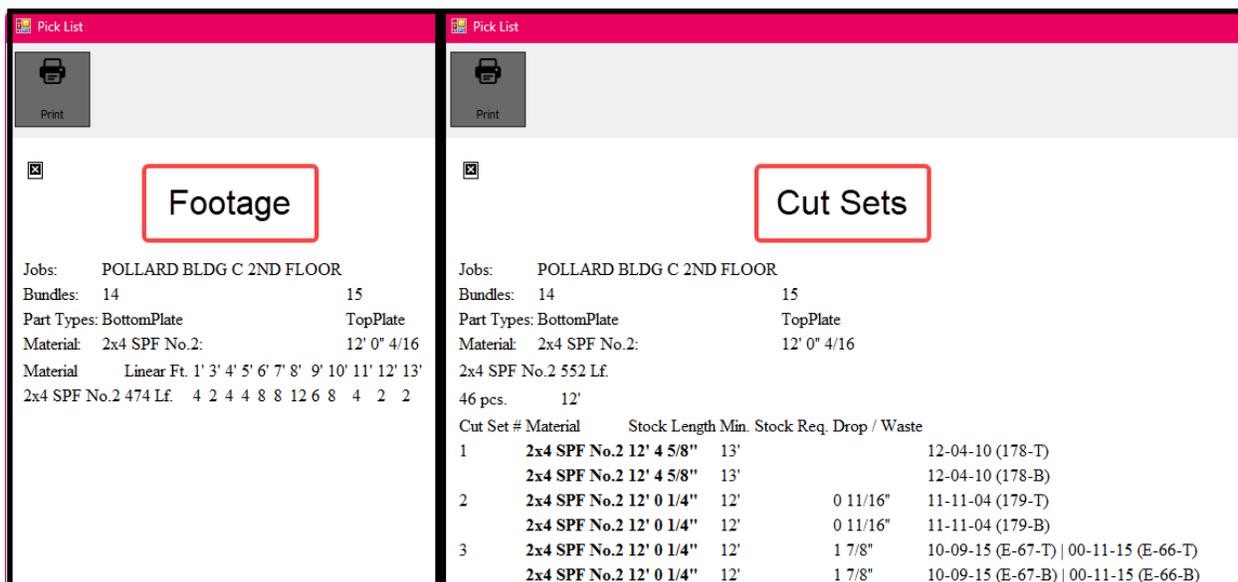
Cut Sets

Cut Set pick lists organize the needed material by cut set, while providing a total of each necessary length at the top. This can be useful for loading material onto the auto loading live deck in the correct order.

Footage

A Footage pick list displays the total material in linear feet to be processed.

Figure 16: Footage and Cut Sets Pick Lists

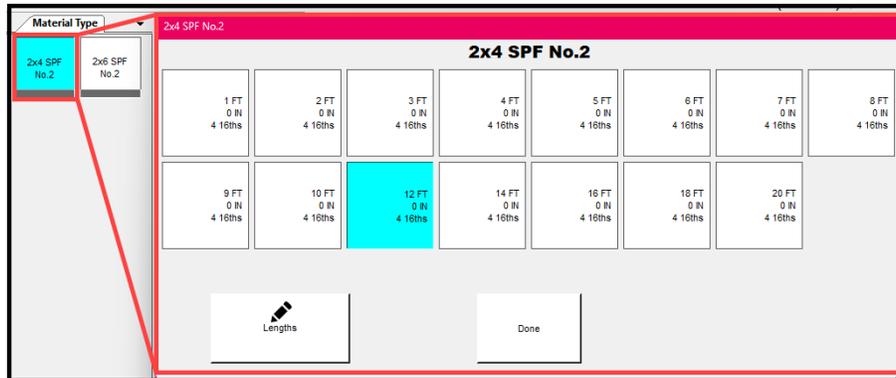


Length Type

Length type has two options – stock and minimum:

- **Stock:** Generates a pick list based on the material stock lengths that were selected under material type when loading the cut sets from the selected job.

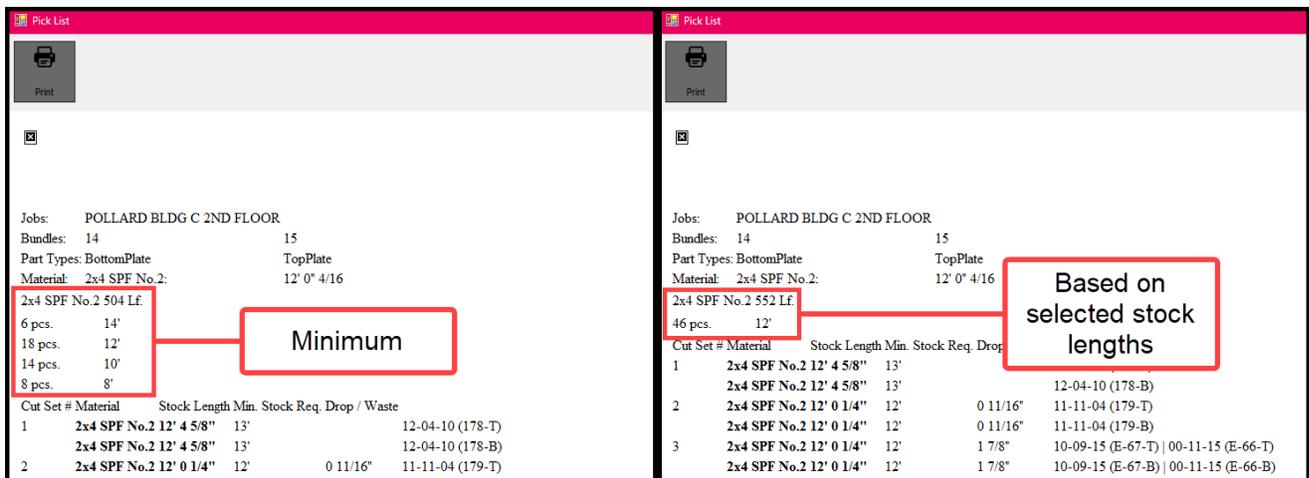
Figure 17: Selecting Stock Lengths



- **Minimum:** Generates a pick list with minimum lengths that material type is conventionally available in, regardless of what was selected under stock lengths when the material was selected.

See Figure 6 for examples of a minimum and stock length type cut sets pick list from the same job.

Figure 18: Stock vs Minimum Length Type



NOTE: If there is a part in the cut set list that is longer than the selected lengths under material type, an **OVERSIZE PART** warning pop-up will display, as well as a warning on the offending cut set. The pick list will still have this cut set on it despite the appropriate stock length's lack of availability.

