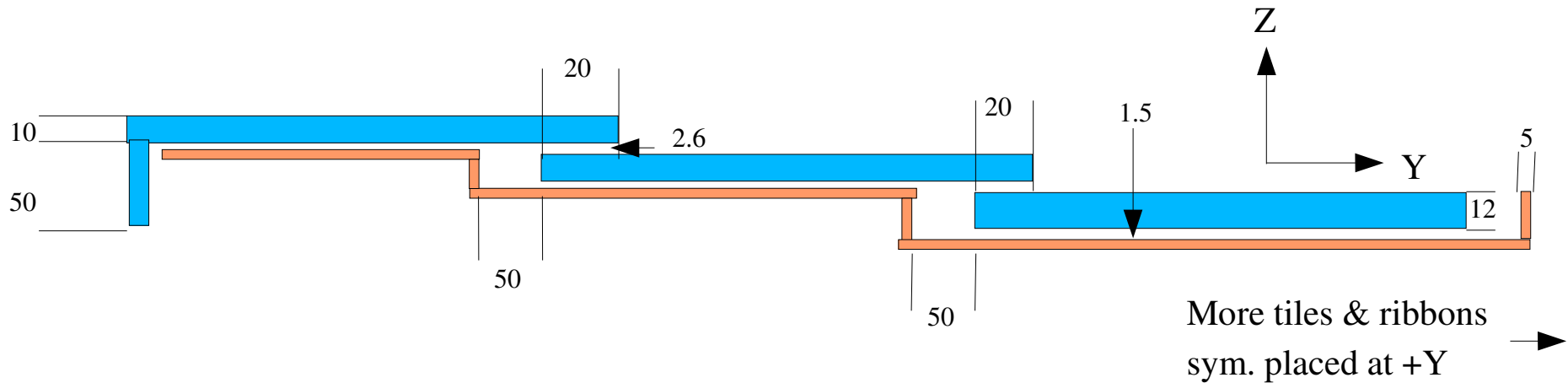


Improved Ribbon Modeling

- Shingled side tiles, even if simplified as proposed, will require changes to side ribbons.
- Ribbon modeling for ribbons under overlapped top tiles is not very close to reality; might as well fix that also.

Top Tiles and Ribbons

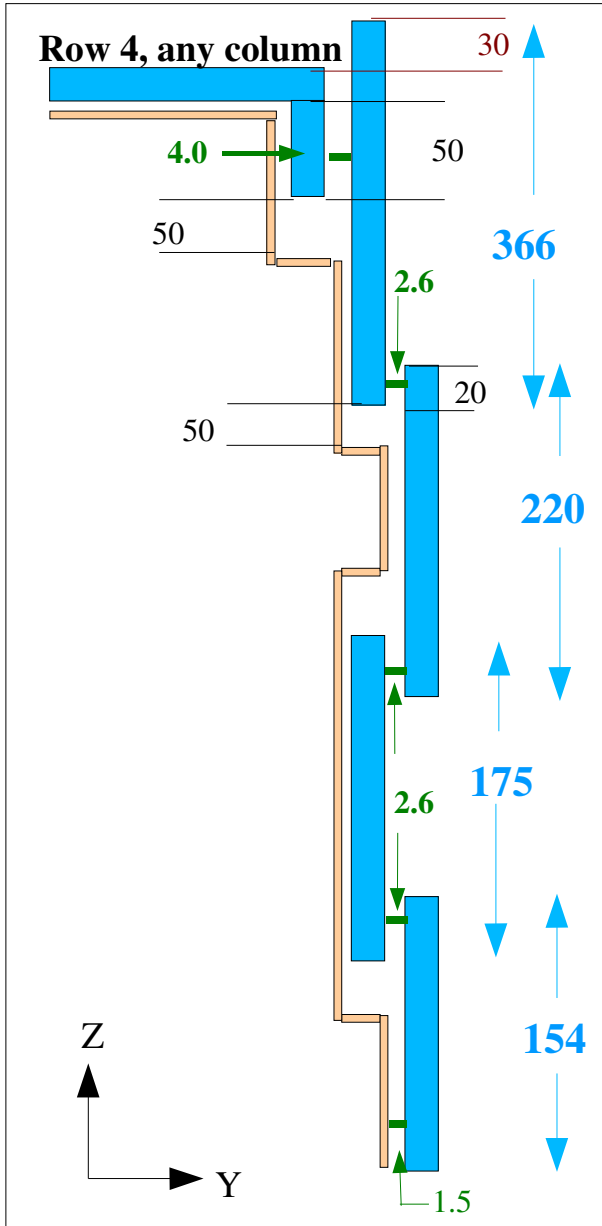


Not to scale!

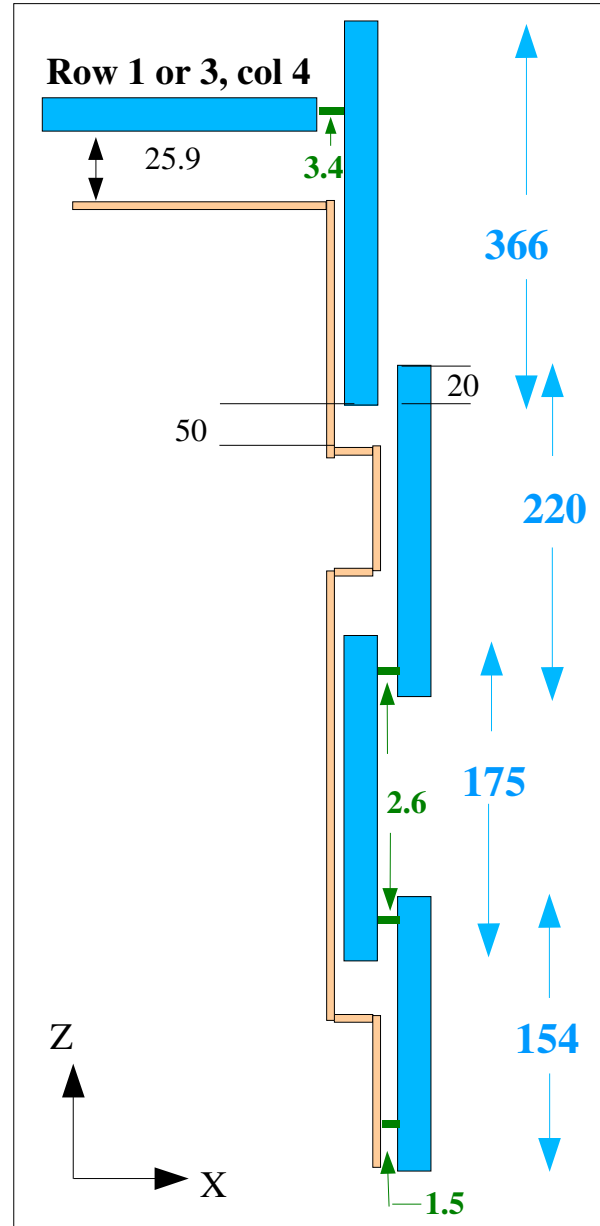
Lengths and distances are for room temperature. Tiles shrink at operating temperature. Ribbons don't.

Vert. clearance between tiles: 2.6
Min. distance from ribbon to tile: 1.5
Ribbon thickness: 5
Ribbon width (into drawing): 14

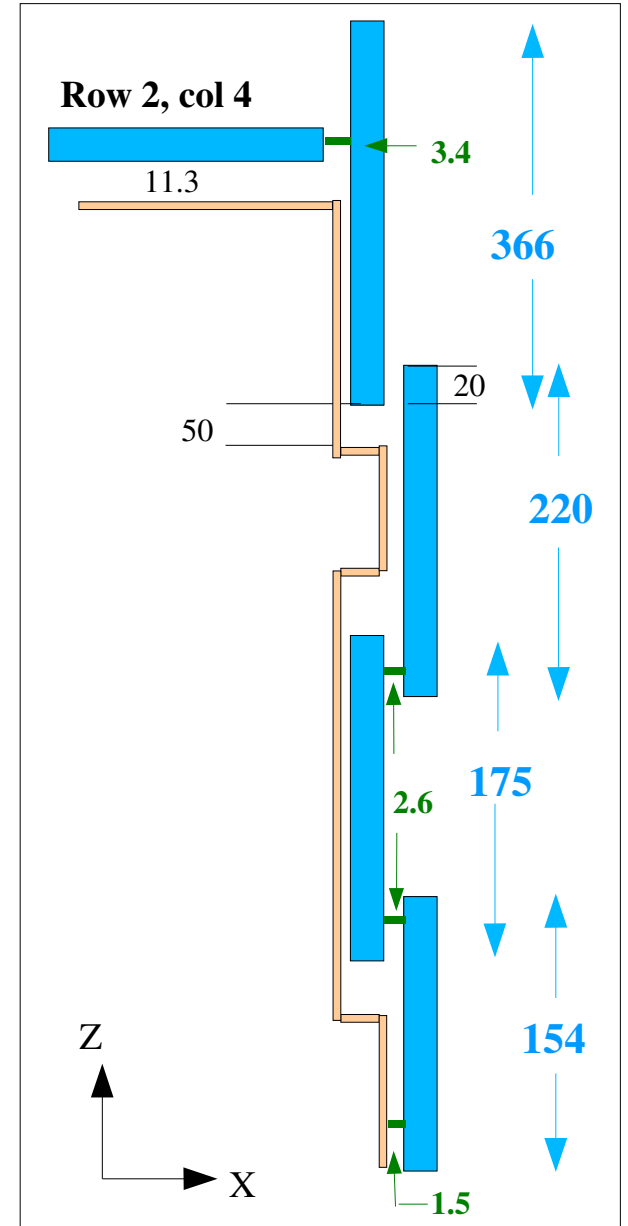
Side ribbons and tiles



May 2007

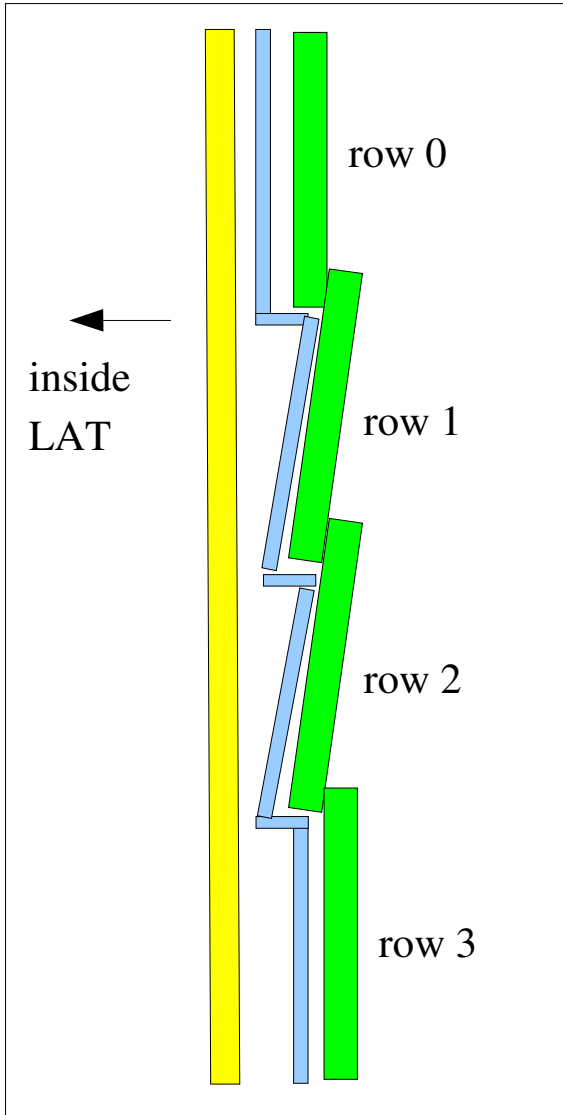


3



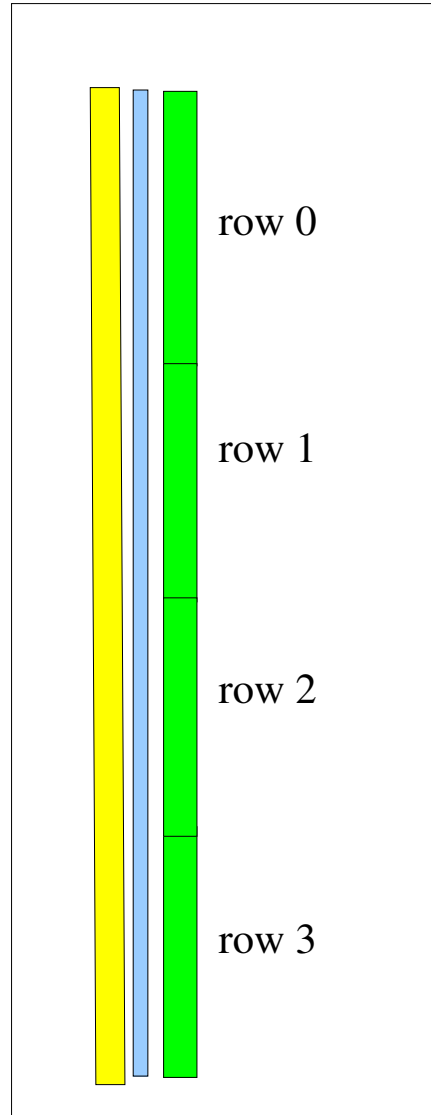
Ribbon Improvements

Actual shingling.
Rows 1 & 2 slanted



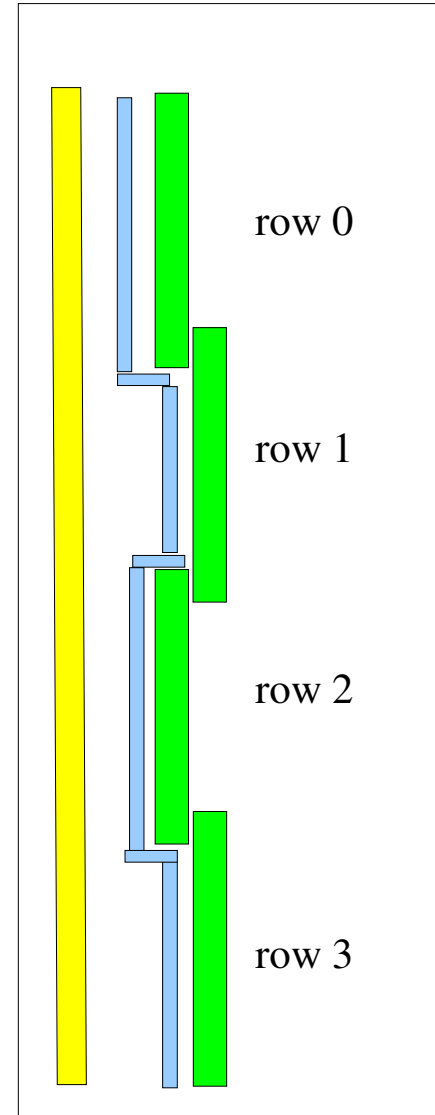
May 2007

Current model. No
slant, no shingling



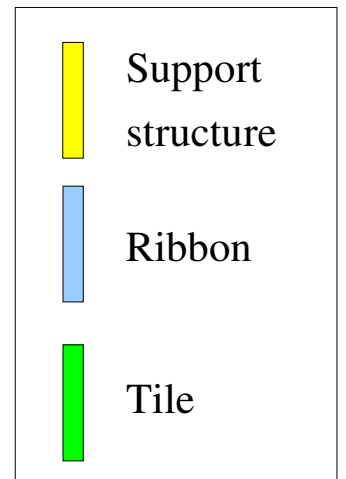
4

Side Shingling



Shingling without
slant. This might
be easier to
implement.

Is it good enough?



Ribbon Improvements