



The following pages contain a draft of upcoming USA Climbing Speed Certification Standards, provided prior to official publishing so as to facilitate the planning and execution of USA Climbing Youth Virtual Speed Trial competitions in early 2021.

Regarding the requirements to use an Automatic Timing System and to have two (2) Speed lanes, a host may be granted a waiver (to each, or both), subject to USA Climbing's review and approval of such a request. Please email events@usacimbing.org for more information.

The Speed Belay requirements, as set forth in both the USA Climbing Rulebook and the existing published (draft) USA Climbing Speed Certification Standards, must be met. In the USA Climbing Speed Certification Standards:

3.2 Belay Standards

USA Climbing Speed Climbing Competitions must use a belay system and belay devices determined by the host facility to be designed or suitable for speed climbing, used in a manner approved by the manufacturer, with all belay devices in good working order to the best knowledge of the Host Facility after reasonable diligence and regularly scheduled maintenance, as applicable, and subject to the limitations and notifications in the Host Facility Agreement and the USA Climbing Rulebook.

Note that USA Climbing is not aware of any manual belay device that is designed for and suitable for speed climbing and that USA Climbing is aware that there are autobelay devices that are not suitable for speed climbing.

USA Climbing will expect the Event Organizer (e.g., RC or gym) to submit the completed checklist (including any notes) and photos of the Speed Wall, before USA Climbing sanctions the event. If holds are not in-place at the time of sanctioning, photos of the wall with holds in-place must be submitted at least 72hrs prior to the start of the event.

Please contact USA Climbing via events@usacimbing.org with any questions regarding this document.

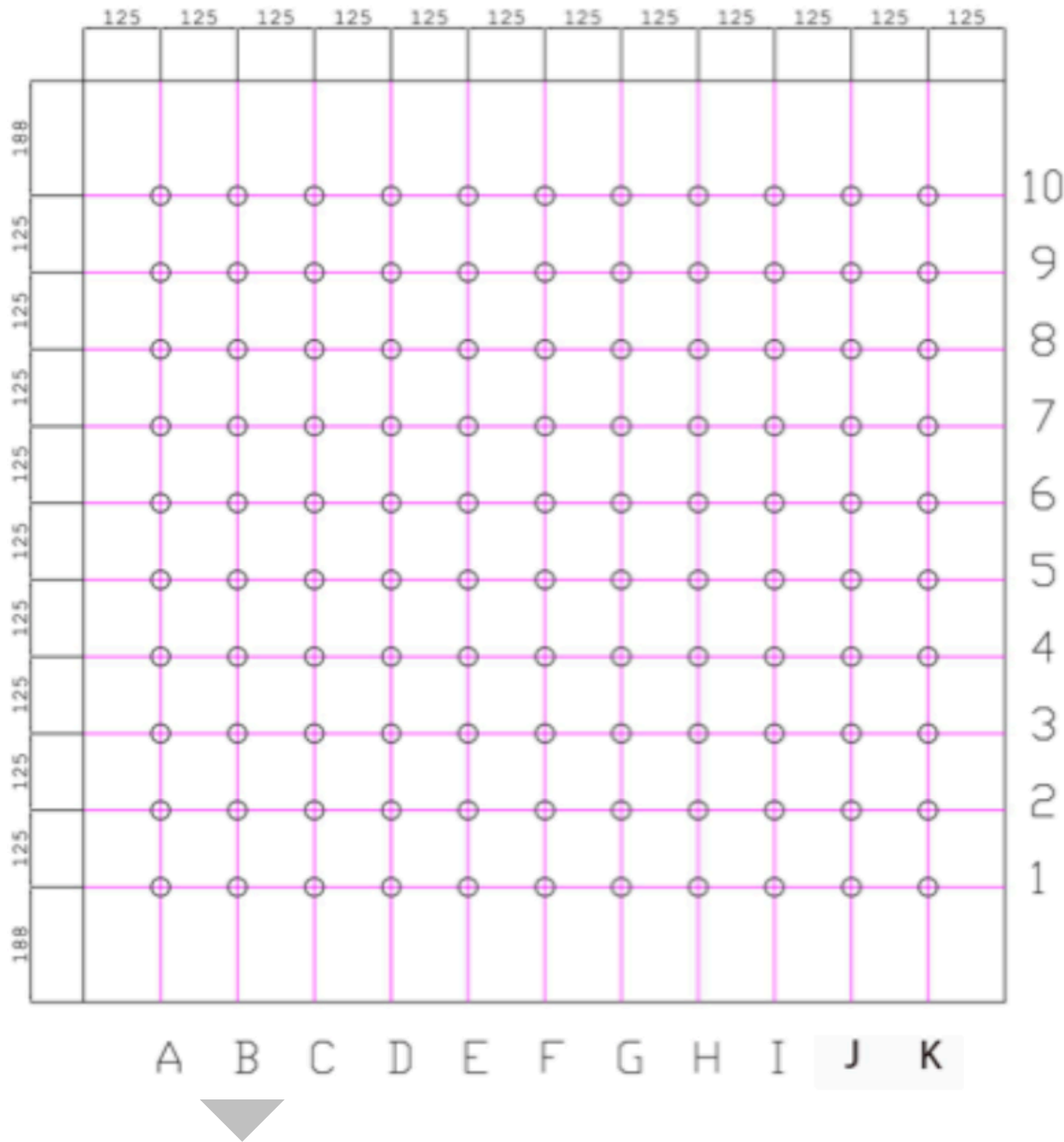
January 26, 2021

4.3.2 Qualifying Certification Level

USA Climbing Speed Wall Certification Checklist – “Qualifying” Certification Level		
Wall Standard – Check box if standard is met. (contact USA Climbing at events@usacimbing.org to request waiver from select standards as deemed necessary.)		NOTES /ACTUAL
Belay System	<input type="checkbox"/> Speed Belay System meets USAC standards. (e.g., auto-belay deemed suitable for speed.) <input type="checkbox"/> (note manufacturer/model.)	
Belay Anchor and Wall Clearances	<input type="checkbox"/> Belay Anchor point at least 0.4m [~16"] above finish pad. <input type="checkbox"/> Belay Anchor point 0.15m to 1.5m [~6" to 60"] away from wall. <input type="checkbox"/> Wall continues unobstructed at least 0.5m [~20"] above finish pad. (or at least 0.15m [~6"] if higher obstructions sufficiently padded.) <input type="checkbox"/> No interference with route (bolt hangars, other holds/walls, etc). <input type="checkbox"/> No obstructions that constitute a safety concern.	
Nominal 5° Wall Overhang	<input type="checkbox"/> Angle measured to be between 4° and 6.5° of overhang, either: a) measured overall, from start to finish; OR b) measured on at least the bottom, middle, and top panels. (methods include plumb line, laser level, smartphone app, etc.)	
Speed Holds	<input type="checkbox"/> Certified or Replica Speed Holds from Volx, Entre-prise, HRT, or Luxov. (contact USA Climbing with any questions.)	
Speed Route	<input type="checkbox"/> Correct T-nuts location (for T-nuts where holds are placed), and Correct Speed Hold Placement (see diagrams). <input type="checkbox"/> All holds have set screws.	
Distances	From bolt of first (1 st) starting hand hold: <input type="checkbox"/> to where wall meets the floor (on which the starting pad rests). 1.888m +/- 25mm [~74 3/8" +/- 1"] <input type="checkbox"/> to finish pad (to light beam or lowest part of pressure pad). 15m wall: 12.912m +/- 25mm [~508 3/8" +/- 1"] (0.4m [~15 3/4"] below top of 10 th panel, between 8 th and 9 th row) 10m wall: 8.062m +/- 25mm [~317 3/8" +/- 1"] (midpoint of 7 th panel - halfway between 5 th and 6 th row)	
Timing System	<input type="checkbox"/> Able to measure to at least 2 decimal places. <input type="checkbox"/> False Start capability. <input type="checkbox"/> (note manufacturer/model.)	
Wall Surface	<input type="checkbox"/> Granulometry similar to other Speed walls. (contact USA Climbing with any questions.)	
Lanes	<input type="checkbox"/> At least 2 lanes, adjacent within 0m to 5m [~196"] of each other.	
Floor Surface	<input type="checkbox"/> Solid surface recommended. (may be plywood placed on top of floor padding)	
Other	<input type="checkbox"/> Appropriate warm-up area.	
ADDITIONAL NOTES:		

4.4 Speed Wall Drawings

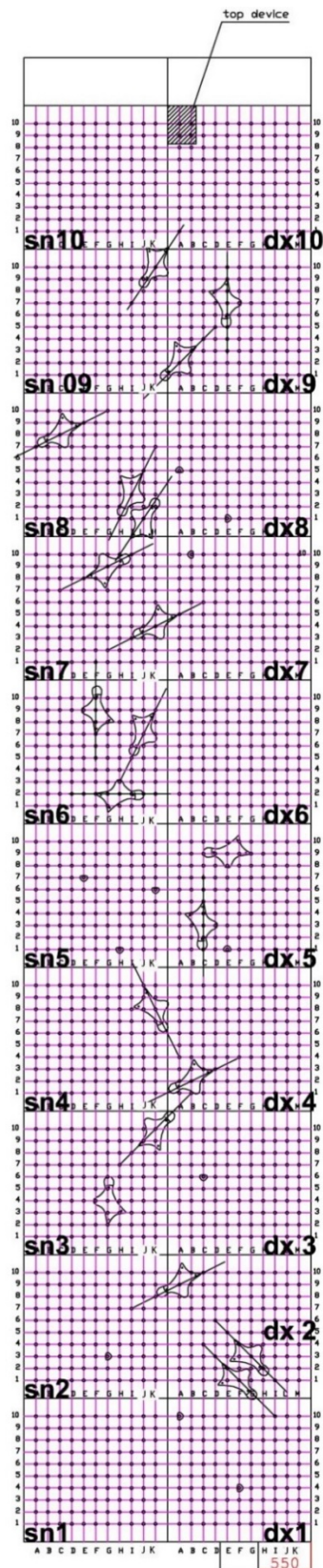
4.4.1 Standard Panel (with T-nut Grid Pattern)



4.4.2 Speed Wall Drawings

The following pages include drawings of the Speed Wall overall layout, and detailed drawings of the finishing pad placement.

15meter Lane A (LEFT)



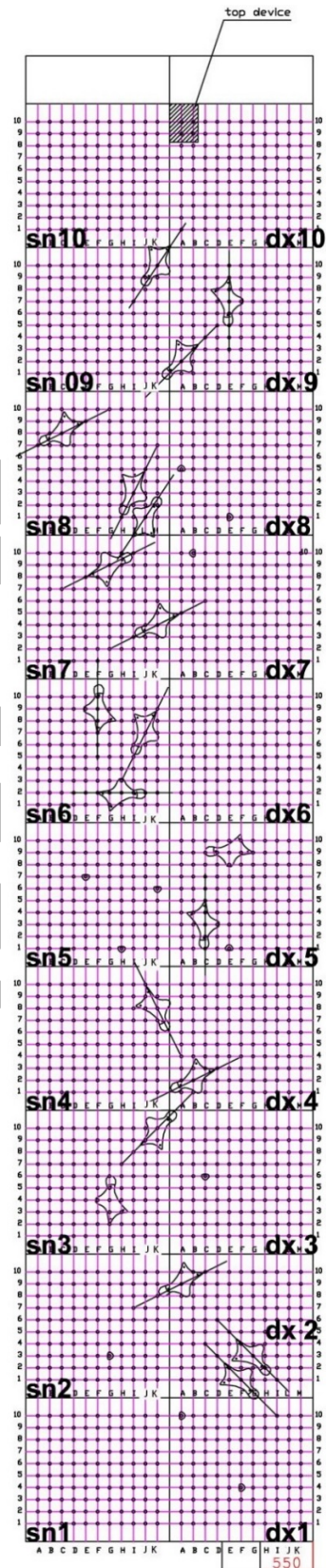
Notes to Routesetter:

(Note Corrections Needed by drawing arrow to hold with comment regarding needed change)

15meter Lane B (RIGHT)

Notes to Routesetter:

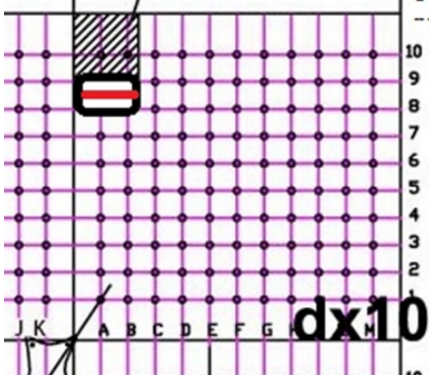
(Note Corrections Needed by drawing arrow to hold with comment regarding needed change)



15meter Lane A (LEFT) Finish Pad

Laser:

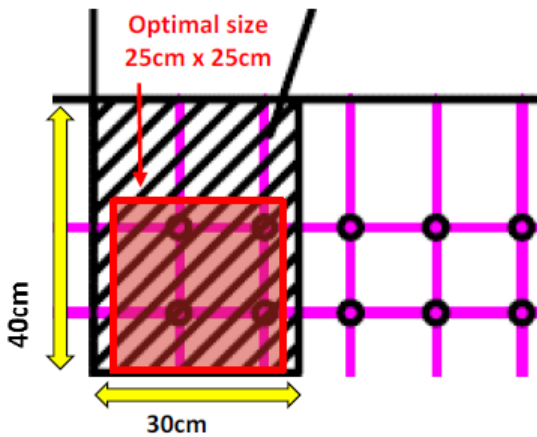
- Align the left edge of the device with the left edge of panel dx10.
- Align the light beam (shown in red) with a distance 40cm down from the top of panel dx10.



Notes to Routesetter:

(Note Corrections Needed by drawing arrow to hold with comment regarding needed change)

Pressure Pad:



Maximum allowed size is 40cm x 30cm (black box) and optimal size is 25cm x 25cm (red box)

Notes to Routesetter:

(Note Corrections Needed by drawing arrow to hold with comment regarding needed change)

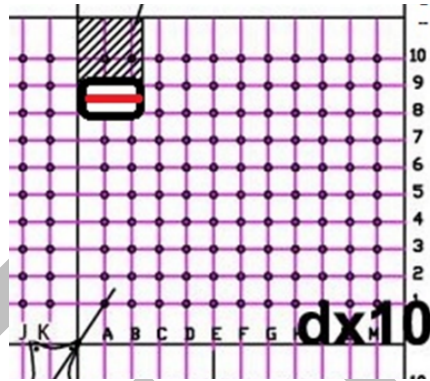
15meter Lane B (RIGHT) Finish Pad

Notes to Routesetter:

(Note Corrections Needed by drawing arrow to hold with comment regarding needed change)

Laser:

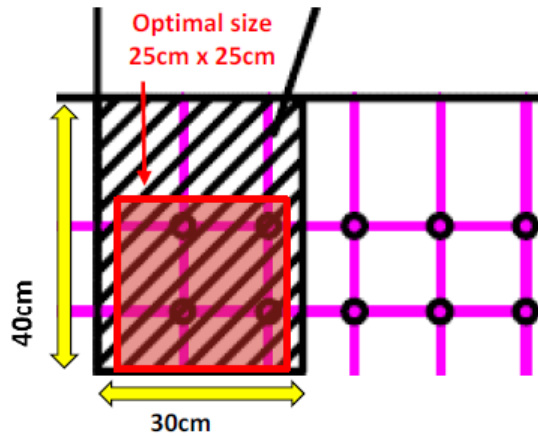
- Align the left edge of the device with the left edge of panel dx10.
- Align the light beam (shown in red) with a distance 40cm down from the top of panel dx10.



Notes to Routesetter:

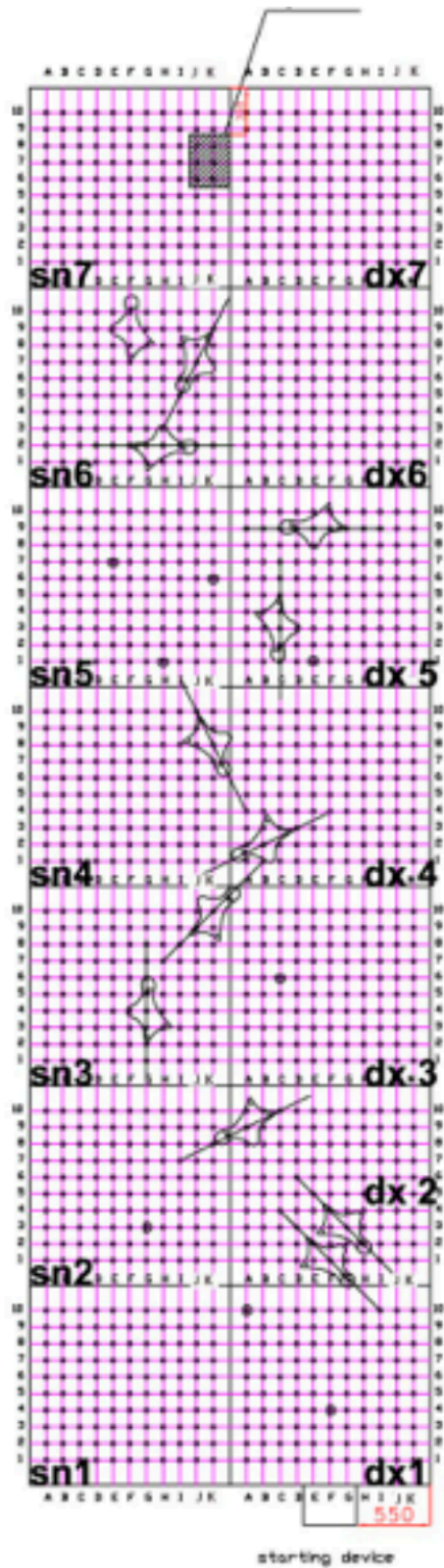
(Note Corrections Needed by drawing arrow to hold with comment regarding needed change)

Pressure Pad:



Maximum allowed size is 40cm x 30cm (black box) and optimal size is 25cm x 25cm (red box)

10meter Lane A (LEFT)



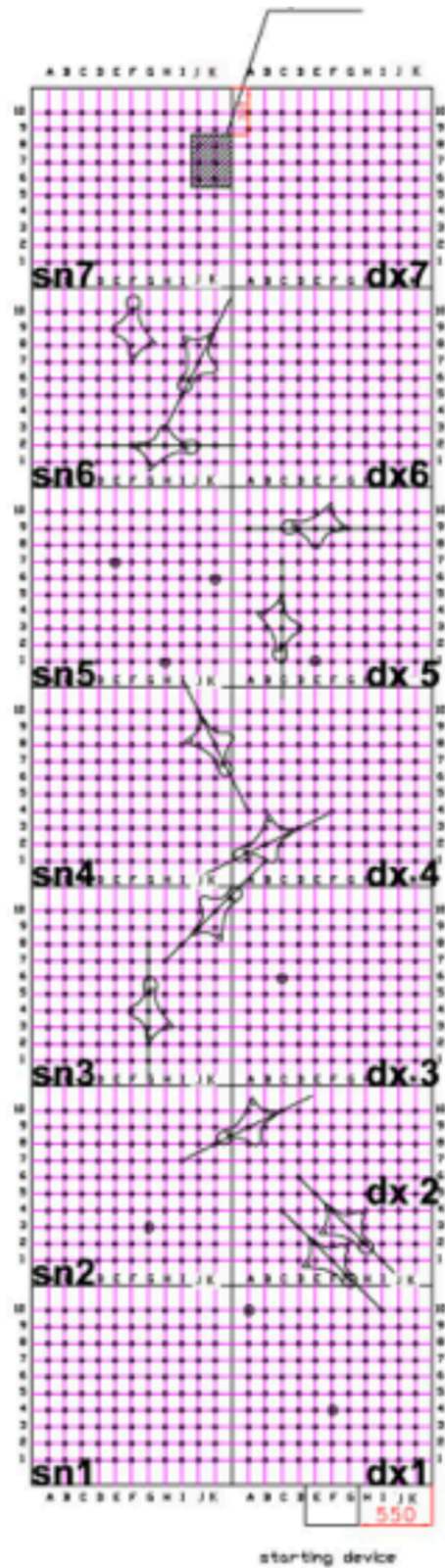
Notes to Routesetter:

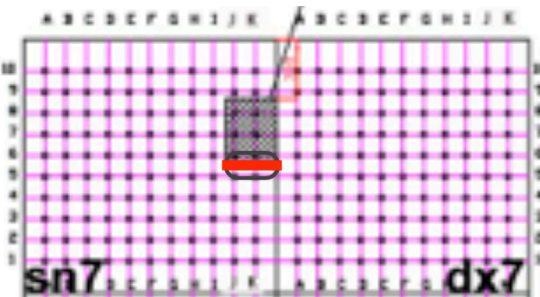
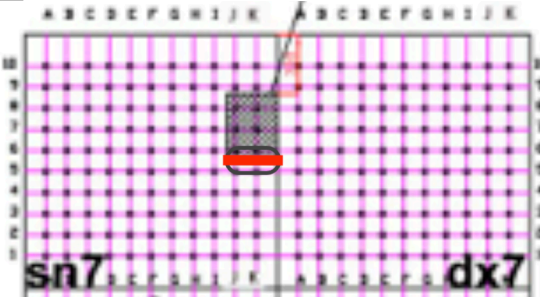
(Note Corrections Needed by drawing arrow to hold with comment regarding needed change)

10meter Lane A (RIGHT)

Notes to Routesetter:

(Note Corrections Needed by drawing arrow to hold with comment regarding needed change)



10meter Lane A (LEFT) Finish Pad	
<p>Laser:</p> <ul style="list-style-type: none"> ○ Align the right edge of the device with the right edge of panel sn7. ○ Align the light beam (shown in red) or the bottom of the pressure pad half way between the top and bottom of panel sn7. (Half way between the 5th and 6th rows.) 	<p>Notes to Routesetter:</p> <p>(Note Corrections Needed by drawing arrow to hold with comment regarding needed change)</p>
10meter Lane A (RIGHT) Finish Pad	
<p>Notes to Routesetter:</p> <p>(Note Corrections Needed by drawing arrow to hold with comment regarding needed change)</p>	<p>Laser:</p> <ul style="list-style-type: none"> ○ Align the right edge of the device with the right edge of panel sn7. ○ Align the light beam (shown in red) or the bottom of the pressure pad half way between the top and bottom of panel sn7. (Half way between the 5th and 6th rows.) 

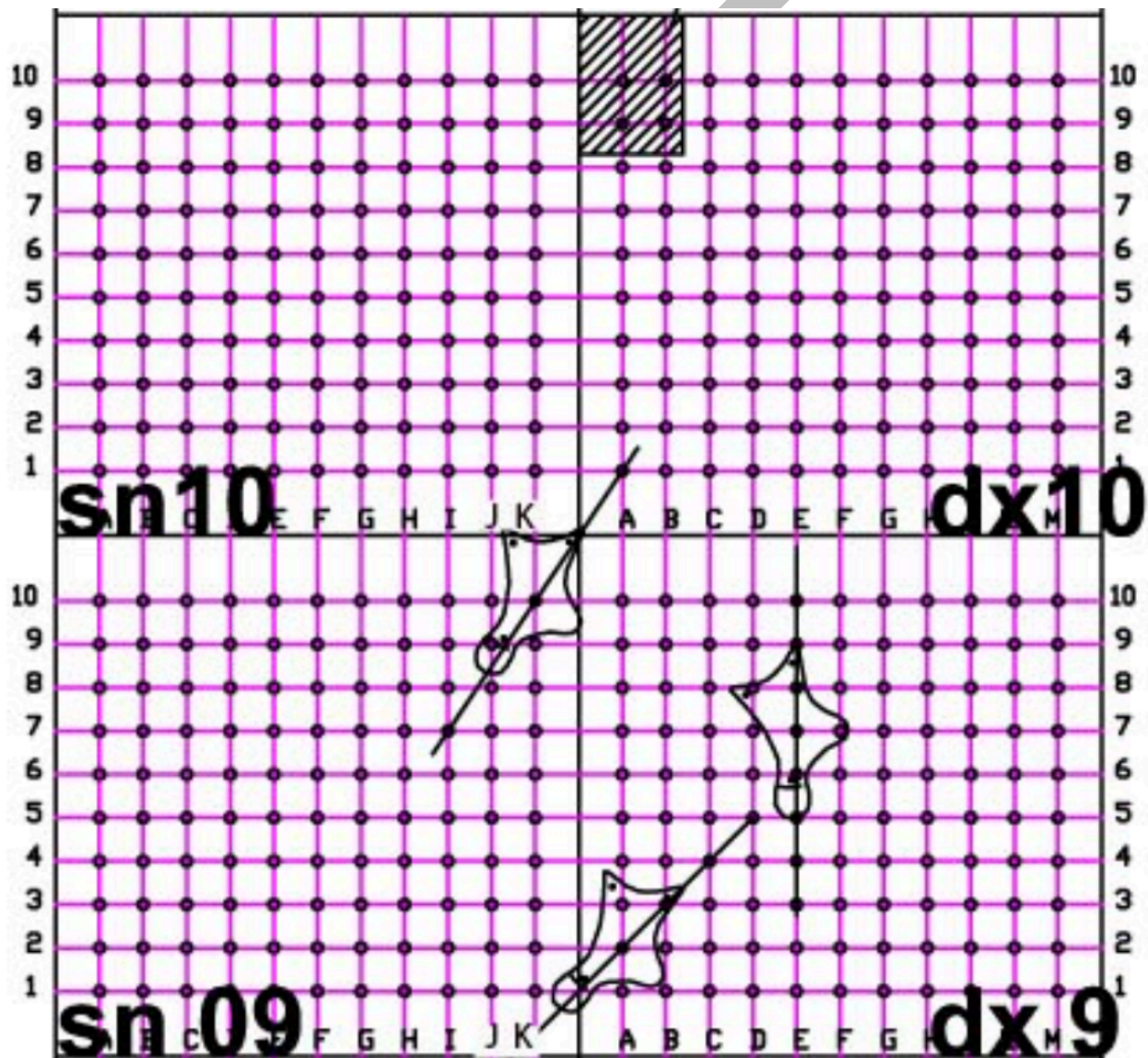
4.4.3 Detailed Panel Drawings

This section contains detail drawings of the Speed Hold placement & orientation. The drawings can be printed and/or supplied to Routesetters and to those evaluating the wall for certification. When working with others to adjust hold placement/orientation, a laser pointer is often helpful.

As indicated below, the hold placement & orientation on panels sn6+dx6 down to sn1+dx1 are identical between 10m and 15m Speed Walls. For a 10m Speed Wall, there are no holds on sn7+dx7, only the finishing pad on sn7.

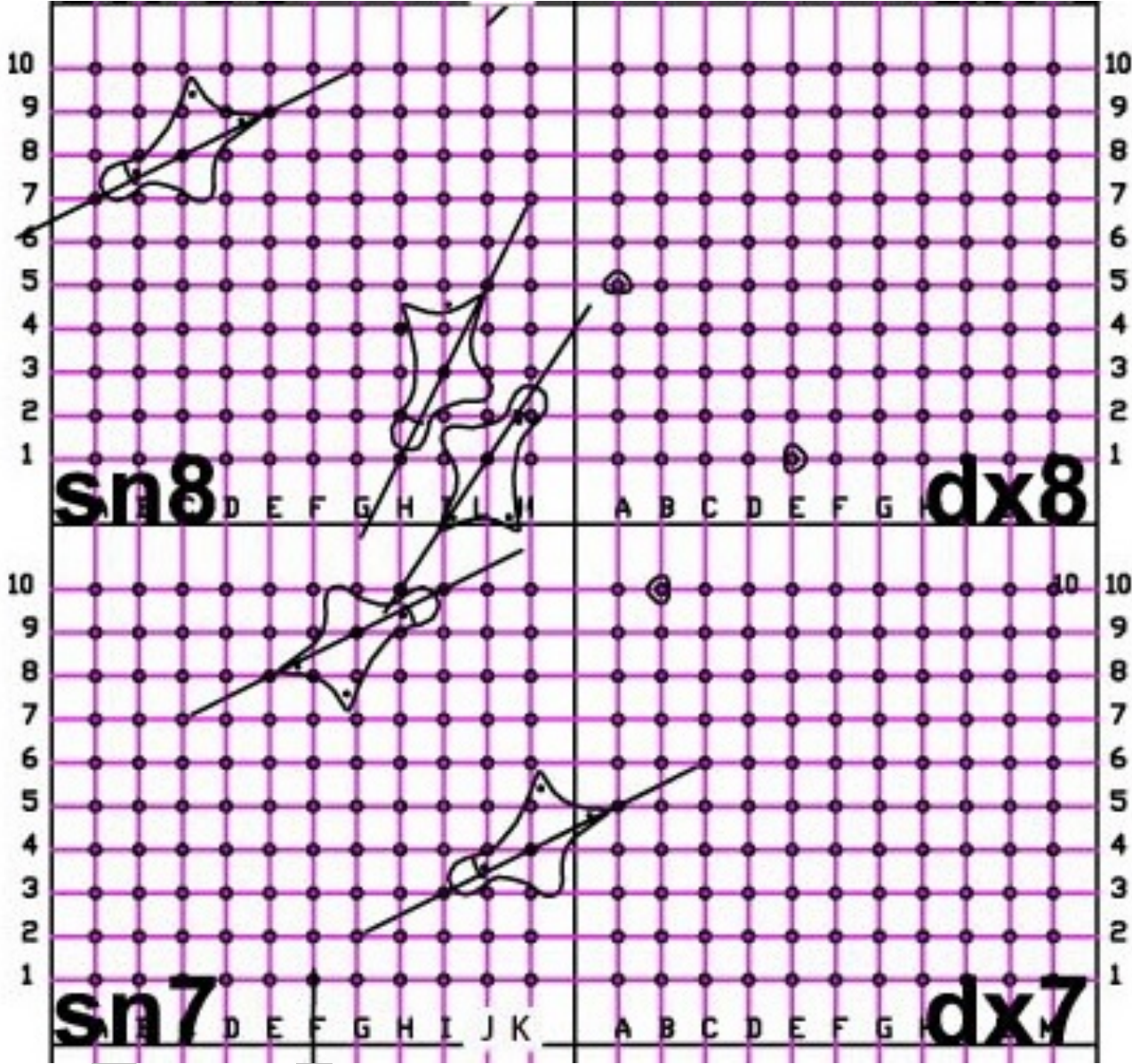
The detailed drawings for finishing pad placement (for both 10m and 15m walls) are in section 4.4.2.

The diagram below applies only to 15m walls:



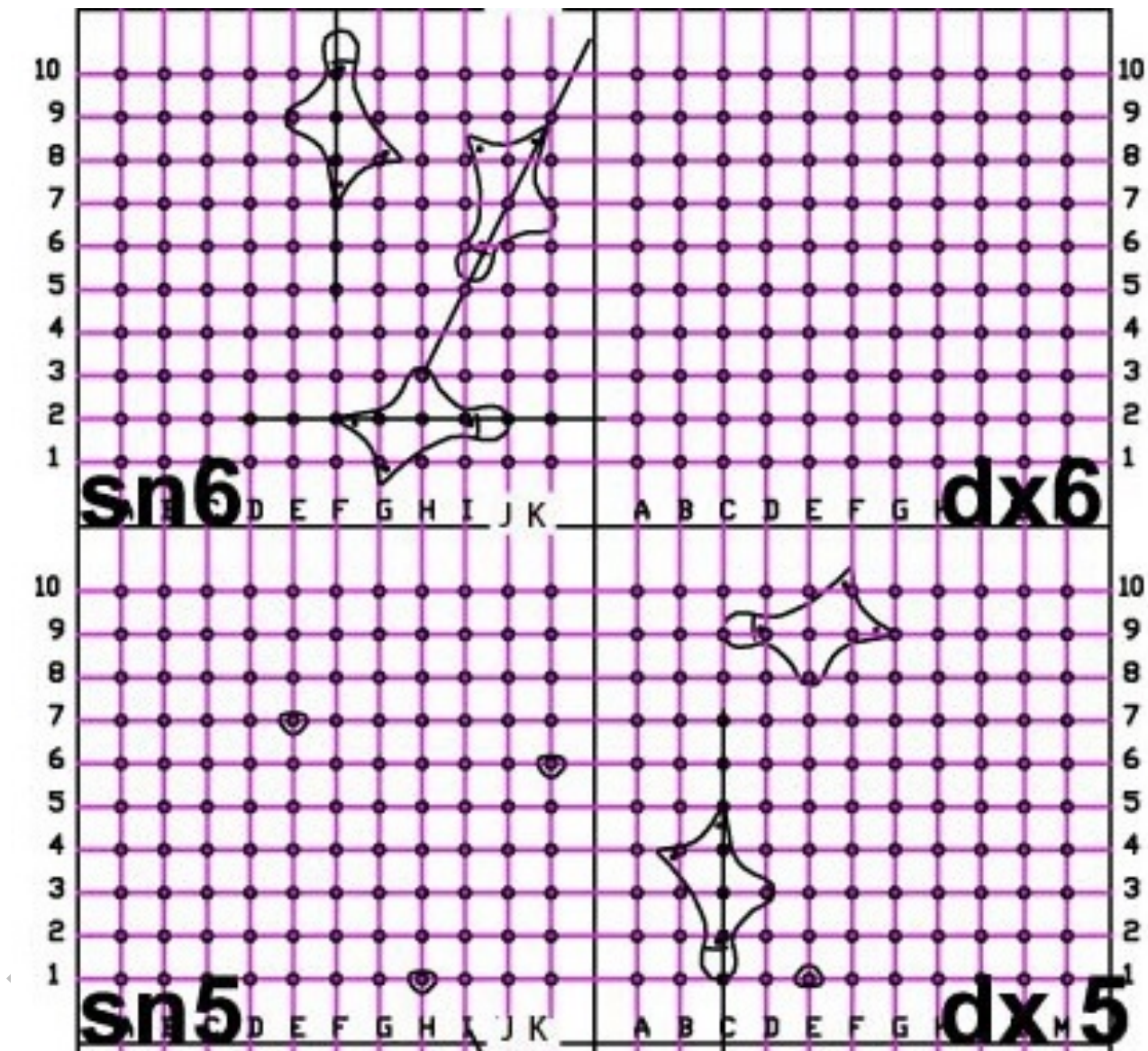
Notes:

The diagram below applies only to 15m walls:



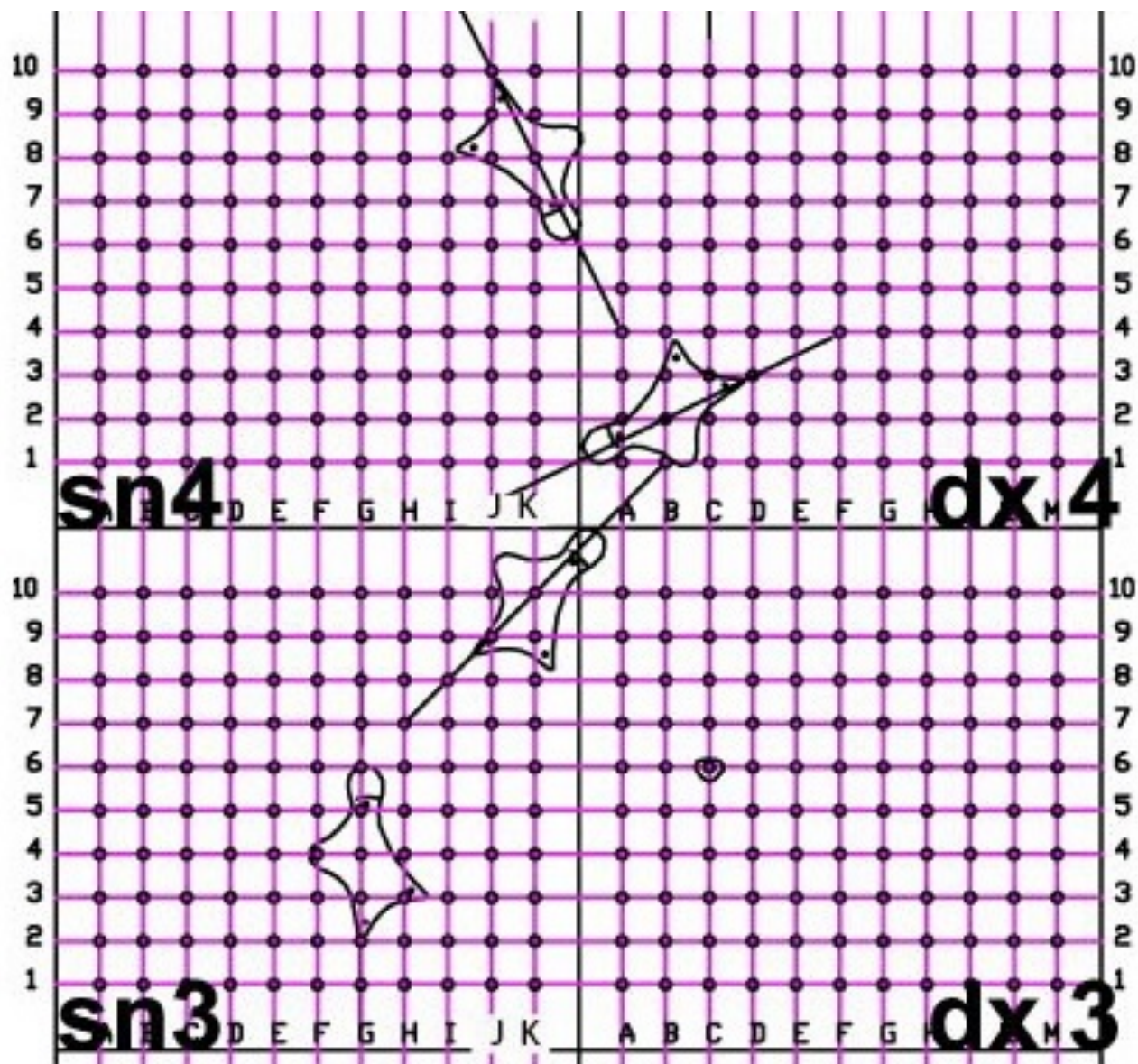
Notes:

The diagram below applies to both 15m and 10m walls:



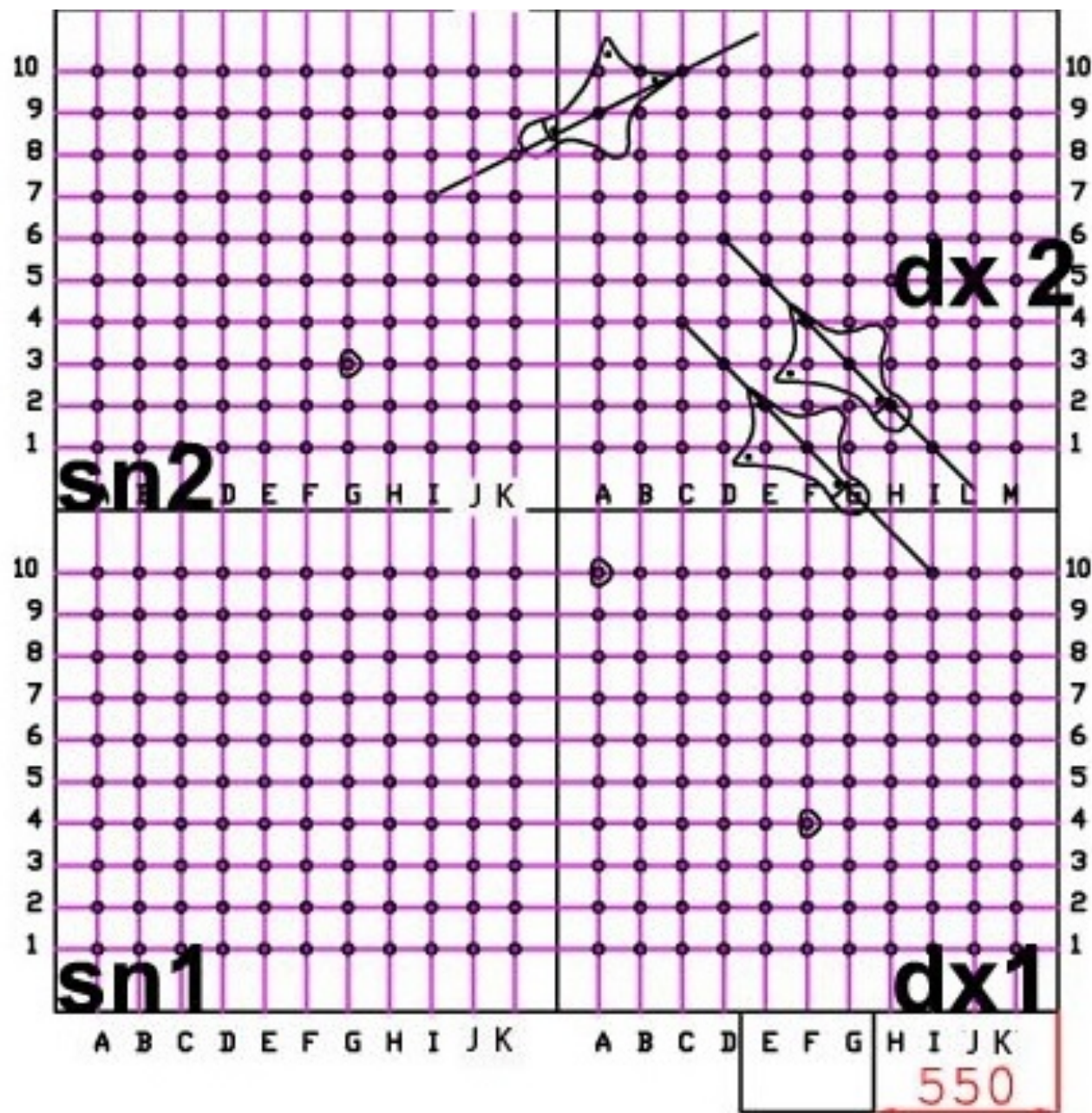
Notes:

The below diagram applies to both 15m and 10m walls:



Notes:

The below diagram applies to both 15m and 10m walls:



Notes:

