

INSTALLATION GUIDE



INDIVIDUALITY, BUILT IN.

1. General Information

Notice

For best results, review the following guidelines in their entirety prior to installation. Shaw will not be responsible for improper installation, and failure to follow these guidelines may result in limiting warranty coverage. Inspect the turf before it is installed. Contact your Project Manager or Sales Representative if a visible manufacturing defect exists. If such a defect is installed, Shaw is not liable for the installation. These installation procedures are intended to assist in the installation of Shaw GAME ON® Sports Turf under most job conditions. Any variance from these procedures will become the responsibility of the installer and not the manufacturer.

Job Start Up

It is the installer's responsibility to verify planarity, dimensions and squareness of the site and that the base is graded and prepared to job specifications prior to installation start up. Traditionally, commencement of pad and/or turf installation implies acceptance of the base.

2. Pad Installation (if required)

Refer to the **NXTPlay Pad** Installation Procedure or the guidelines provided by the manufacturer of other type pad selected for the job. If not required, proceed to Turf Installation.



3. Turf Installation

Establish Center

The center of the field is to be established according to the job layout and located with a pin. Typically the pin placement would be precisely centered between side and goal lines.

To correspond with the field's dead center, stringline* anchor points are to be placed at the perimeter nailer.

Using these anchor points and stringline, the base (or pad) should be marked with perpendicular redlines*, which will establish field center, both side:side and end:end.

See image 1.

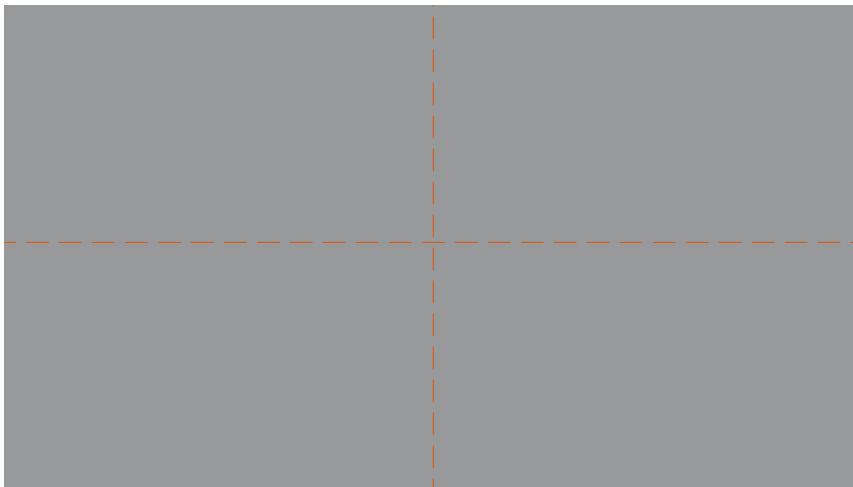


image 1

***STRINGLINE** - A temporary alignment reference created by stretching a string, cord, or line, between two accurately located end points, such as a nails or spikes.

***REDLINE** - A permanent alignment reference created by first establishing a stringline, painting over it (whether in total or intermittently), then removing the line, leaving a “negative” of the location of the stringline.



3. Turf Installation

1. Measure 7'6" in each direction of center side:side point and place nails at perimeter to establish anchor points for stringline, then redline, for each edge location of the center panel. *See image 2.*

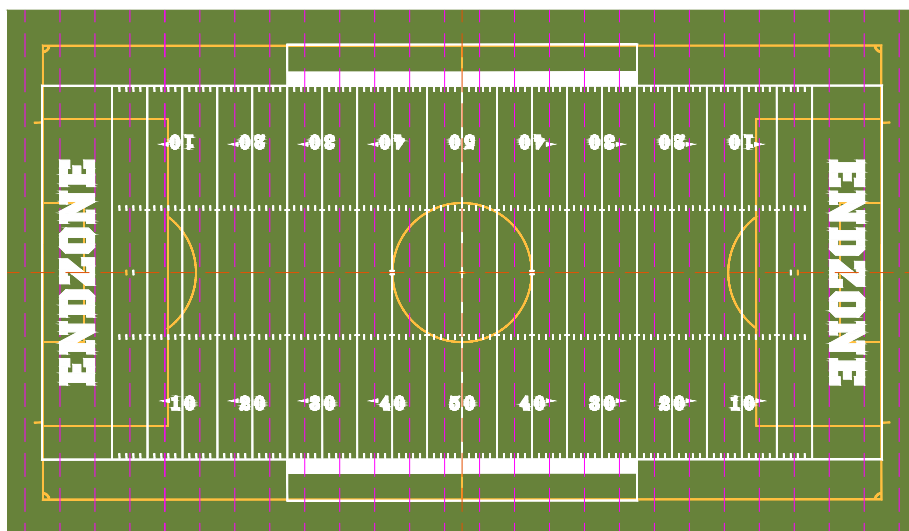


image 2

2. Place nail at perimeter every 15 feet, working outward in each direction, toward goals, to establish anchor points for stringlines, then redlines, for the location of each edge of each panel. For the sake of accuracy, it is recommended that redlines be established as work progresses, rather than at job start up.

According to the job layout, place nails at perimeter, later to be used as stringline anchor points for key field elements.

Examples, end:end > Football - numbers, hashes, sidelines, etc. Soccer - box legs, sidelines, etc.

Examples, side:side > Football - end zone lettering, goal lines, etc. Soccer - box tops, goal lines, etc.

3. Turf Installation

Stringline anchor points should be substantial. Anticipate frequent installation and removal of strings during the alignment and installation process. *See image 3.*

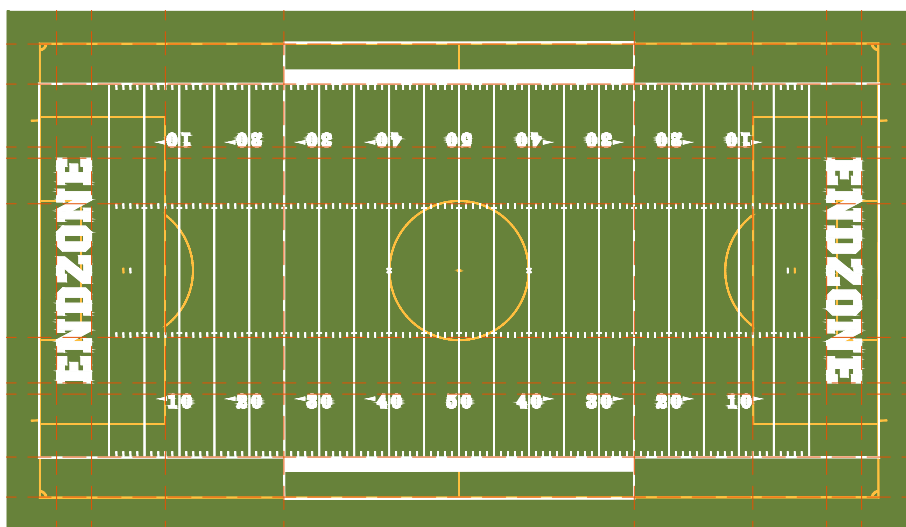


image 3

3. According to the seaming diagram, locate and unroll the first goal line panel in its approximate location. The panel will unroll from home side toward away side.
Typically start at the right goal line, if standing at the home/flap side, facing the core away side.
4. Remove rightmost tuft row ("wire") of the goal line panel. Set the panel's right edge to the redline (side:side) at goal and also to center redline, and/or stringline (end:end). Remove the proper number of wires (one, by design) from the left edge of the panel to bring it into alignment with its redline.
5. Unroll the next panel (the subsequent panel toward the other goal line end of the field) in its approximate location.
6. Remove the leftmost wire (the leading edge) of next panel and set it to the next red line, toward the other goal. The selvage is to be left intact on the panel's right (trailing) edge.
7. Continue as above for every belly (playing surface) roll, resulting with the leading edge of all panels dimensionally set from end:end of plot.
8. Pull end:end stringlines (previously established above) across the top of all belly rolls and use them to dimensionally set panels to location from side:side of plot.
Typically start at the right goal line, if standing at the home/flap side, facing the core/away side.

3. Turf Installation

This will sometimes entail pulling slack (fat) into the panel at various locations, based on stringlines, which will eventually result in a head seam.

9. In order to hold them in the now dimensionally set location, panels are to be nailed into place across their width as needed. It is suggested that at least five spikes be used across the width of the panel at each location avoiding, if feasible, a white or light element of the turf.
10. Continue as above for every belly roll, resulting with all panels dimensionally set from side:side of plot.
11. The spikes used to secure alignment may, at the installers discretion need to remain in place until infilling is complete. It is imperative that they be conspicuously and robustly identified as an aid to their location and removal.
12. Remove the proper number of tuft rows on selvedge edge (trailing edge) side of panel to achieve alignment with its corresponding redline. The other side (leading edge) has already had 1 tuft row removed and has been aligned with its corresponding redline.
13. Where slack has been gathered in the panel to achieve alignment, it will most likely be necessary to create a head seam. The amount of slack gathered (size of wrinkle) will dictate if a head seam is required, or if it could be manipulated to flatness during infilling.

See image 4.

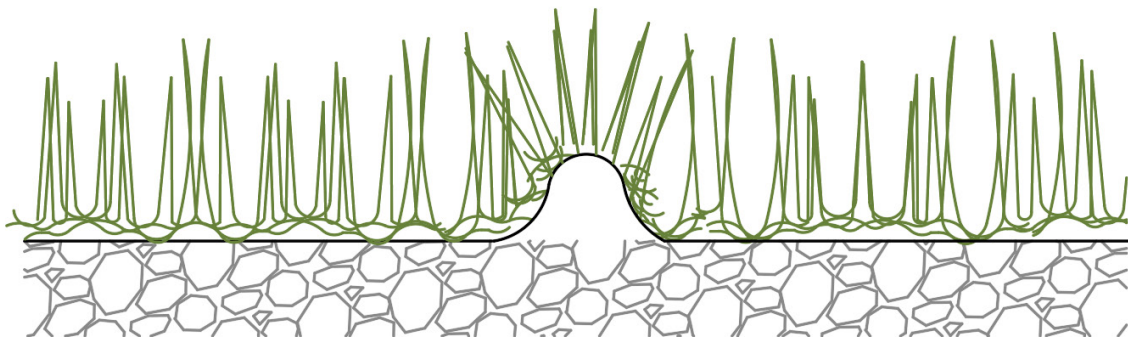


image 4



3. Turf Installation

Should a head seam be necessary, the slack (fat) should be cut out and removed. Ensure that a gap of approximately 1/4" remains to accommodate a properly glued seam. *See image 5.*

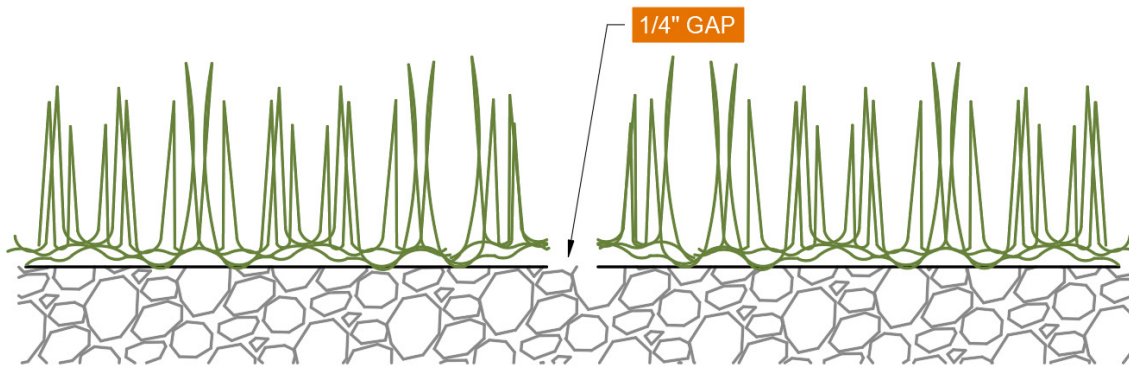


image 5

Attention should be given to the location of head seams. If feasible, their location should be manipulated as to avoid alignment with head seams of adjacent panels and/or in consideration of the field's graphics, pattern or line package.



4. Glued Seams

We recommend that gluing the seams commence after all of the field's panels have been accurately placed and secured according to the above instructions.

1. It is imperative that gluing begin only after at least the first two adjoining panels have been accurately placed and secured according to the above instructions. (This will allow for the gluing of some seams while other panels are being placed, should there be enough crew available to do so).
2. The sole function of the glue is to adhere adjacent panels. Alignment is not to be attempted by applying tension to a glued seam.
3. Head seams should be glued and allowed to set up adequately prior to proceeding with side seams.
4. It is recommended that the belly of the field be placed, installed, aligned and glued to completion before proceeding with any subsequent panels, such as sidelines, zones or those to be installed quarter turned to the belly.
5. As expansion and contraction of the turf may occur, consideration should be given to both weather and temperature at the time of layout vs gluing. If feasible, conditions should be similar for each.
6. Fold the panel edge (or end, in the case of a head seam) of each panel back approximately 18" and insert the proper seaming tape/fabric (rough side up) such that the seam will land at its center. The specified 12" seaming tape is Shaw TU007 or an approved alternate. The specified adhesive is Shaw G7304 or approved alternative.
7. Based on the suppliers guidelines, apply the adhesive to the fabric at a width no less than 2" and a thickness no less than ¼". Immediately follow by unfolding the panels into the adhesive, forming the seam joint, traveling lengthwise. Apply pressure to the seam and allow for a bead of the adhesive to mushroom over each edge of the seam.
8. In similar fashion join every subsequent panel, working toward the opposite end(s) of the field. When the major field panels (belly panels) have been placed and seamed, then move to end zones and other panels.



5. Inlay Installation

Should the installation of any inlays be necessary, cut the placed turf material such that the negative of the desired shape/figure is removed. Center seam tape at inlay location, rough side up, underneath turf. Apply adhesive (trowel) to seam tape and inset the positive portion of the inlay. Apply pressure to the seam and allow for a bead of the adhesive to mushroom over each edge of the seam.

6. Infill Installation

Infilling guidelines are separately available specific to the infill system being installed.

1. Turf pile typically is to be prepared/erected prior to infilling. This may not be necessary with GAME ON® sports turf and is left to the installer's discretion.
2. It will be at the installer's discretion if the turf is to be nailed/stapled to the perimeter nailer pre or post infilling.
3. At the installer's discretion, spikes may be left in place during the infilling process, or part thereof. It is imperative that they be conspicuously and robustly identified as an aid to their location and removal.