

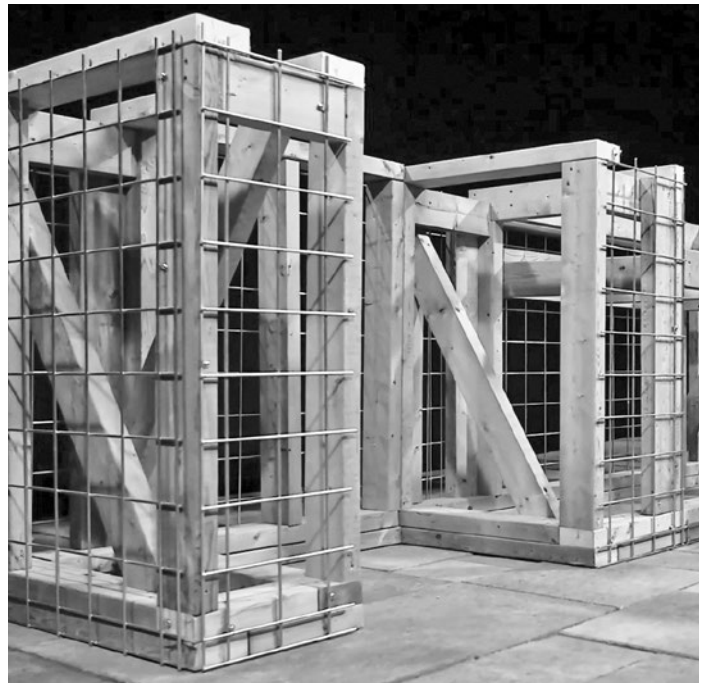
TANDEM MODULAR GRID INSTALLATION GUIDE

STEP 1



Build your wooden frame

STEP 2



Attach your Modular Grid

STEP 3



Attach Lafitt Tandem Veneer with Connector

STEP 4



Finish with Lafitt Tandem Cap Unit

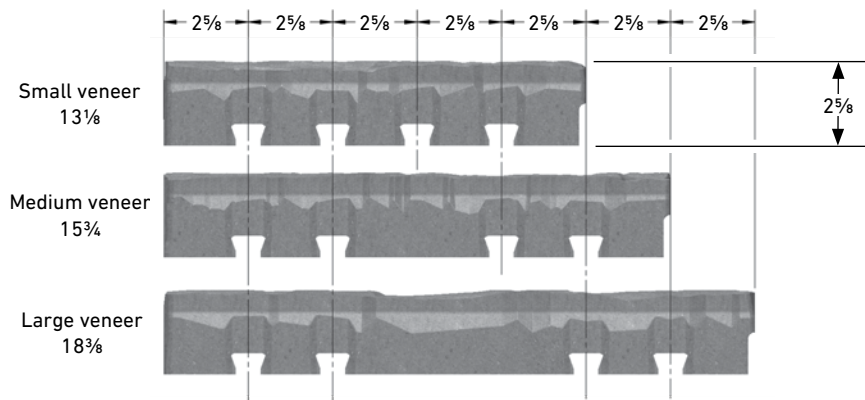
TANDEM MODULAR GRID INSTALLATION GUIDE

The Tandem® system allows you to install different outdoor living components such as outdoor kitchens (barbecue, fridge, bar), patio furniture (bench and table), flower box, outdoor gas fireplace, privacy wall, fencing and deck skirting.

You can easily build all these features if you use the new Tandem Modular Grid.

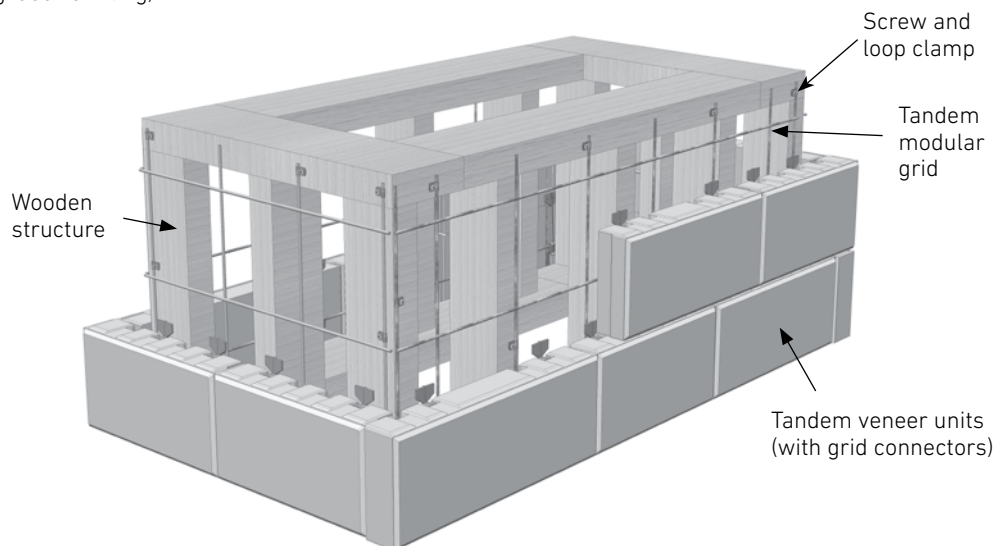
OUR SYSTEM HAS MULTIPLE BENEFITS:

- Provides a unified look for all the features of the landscaping design.
- Provides a durable, economical and maintenance-free solution.
- Offers great flexibility and unrestricted creativity regarding the configuration and size of components to be constructed.
- Offers a solution to difficult issues (e.g. deck skirting).



BASIC PRINCIPLES

A set of Tandem Modular Grids is attached to a treated wood structure. Tandem veneers are then attached to the grids. Since veneer units are manufactured in multiples of 2 5/8, the overall dimensions of outdoor units should always be a multiple of 2 5/8 in order to avoid cuts. The wooden structure should be built taking into account the modular design of Tandem veneers. The same applies to the height, which must be a multiple of 7 1/4. The item is finished off with an appropriate capping module. You can construct a range of outdoor units of various dimensions.



MAIN COMPONENTS OF THE SYSTEM

- Tandem Modular Grid, 28" x 42 1/2", including stainless steel screws and loop clamps for fastening. A modular grid covers a facing surface of 8.40 sqft. Each modular grid includes a kit of 25 connectors, 10 x 1 1/4 screws and 10 loop clamps.
- Tandem veneer units.
- Galvanized shelf angle (for deck skirting, privacy walls and fences) 2 1/2 x 2 1/2 x 8' (min 10 gauge, Z275 G90 galvanized steel, ASTM A653 Grade 33).
- Concrete capping module (Sold Separately)

OTHER COMPONENTS (SOLD SEPARATELY)

- Treated Wood: 2x4, 2x6 and 2x8 boards, 4x4 or 6x6 posts, 4x8 plywood sheets (all wood should be treated against rot and must be category S-P-F #1 or better). Refer to the various suppliers' specific application sheets for details.
- Fiber cement panels 48" x 96" x 1/2".
- #10 screws of varying lengths, nuts, bolts and washers where required, all in stainless steel. It is not recommended to use treated wood screws (green ceramic) or metal plated screws (zinc, copper or other).
- Hilti Kwik Bolt®-type anchors (for concrete deck skirting).
- Simpson Strong-Tie-type hardware for construction of wood frame for deck.
- Custom countertops made of granite, quartz, marble and natural stone as alternatives to concrete tops.
- Cementitious adhesive for between each layer of veneers.
- Eliminates the use of cementitious products (mortar).

You must always take the modular design of Tandem® veneers into account when constructing wood framing. The overall dimensions of outdoor units must always be a multiple of 2 5/8 in length and width and 7 1/4 in height. When installing the framing, remember that grids need a 5/8 space between the veneer and the frame.

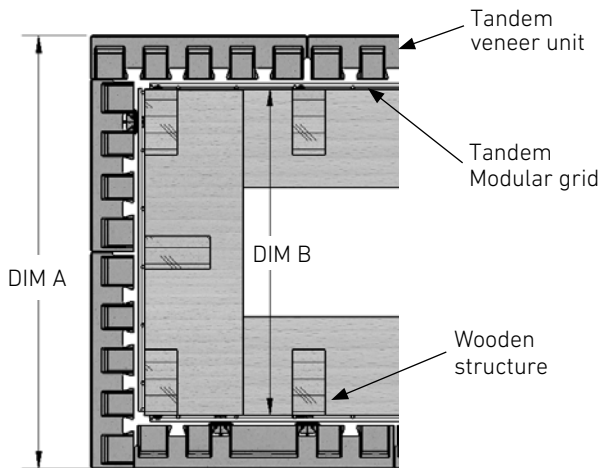
Bearing this in mind, the following tables show detailed measurements for the framing of units. These tables are very useful for quickly calculating the actual dimensions of the wood framing and the unit to be constructed to build the component without any veneers cut.

NOTE: When using a Dim A less than 15 13/16 cuts will be needed.

Table of component and its wood frame dimensions based on the modular format of veneers

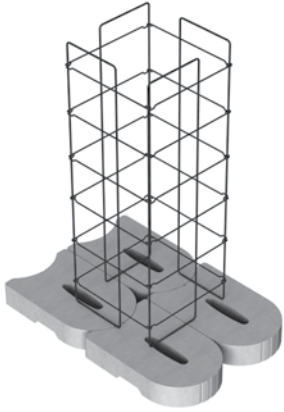
DIM A (IN)	DIM A (MM)	DIM B (IN)	DIM B (MM)
7 15/16	201	1 3/8	35
10 1/16	268	4	102
13 3/16	335	6 5/8	169
15 13/16	402	9 5/16	236
18 7/16	469	11 15/16	303
21 1/8	536	14 3/16	370
23 3/4	603	17 3/16	437
26 3/8	670	19 3/16	504
29	737	22 1/2	571
31 5/8	804	25 1/8	638
34 5/16	871	27 3/4	705
36 15/16	938	30 3/8	772
39 1/16	1005	33 1/16	839
42 3/16	1072	35 11/16	906
44 13/16	1139	38 1/4	973
47 1/2	1206	40 15/16	1040
50 1/8	1273	43 3/16	1107
52 3/4	1340	46 1/4	1174
55 3/8	1407	48 7/8	1241
58 1/16	1474	51 1/2	1308
60 11/16	1541	54 1/8	1375
63 3/16	1608	56 3/4	1442
65 15/16	1675	59 3/8	1509
68 7/16	1742	62 1/16	1576
71 1/4	1809	64 5/8	1643
73 7/8	1876	67 5/16	1710
76 1/2	1943	69 15/16	1777
79 1/8	2010	72 5/8	1844
81 3/4	2077	75 1/4	1911
84 7/16	2144	77 7/8	1978
87 1/16	2211	80 1/2	2045
89 11/16	2278	83 3/8	2112
92 5/16	2345	85 3/4	2179
94 15/16	2412	88 7/16	2246
97 5/8	2479	91 1/16	2313
100 1/4	2546	93 11/16	2380
102 7/8	2613	96 5/16	2447
105 1/2	2680	99	2514

TYPICAL COMPONENT – PLAN VIEW



TANDEM COLUMN INSTALLATION GUIDE

TANDEM® COLUMN COMPONENTS



1 Column grid

Final height: 42"
(Shown with
U Start Base Block®)



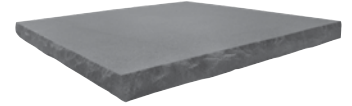
Connectors:

50 connectors per bag
(Enough for 1-42" column)



Pallet of panels

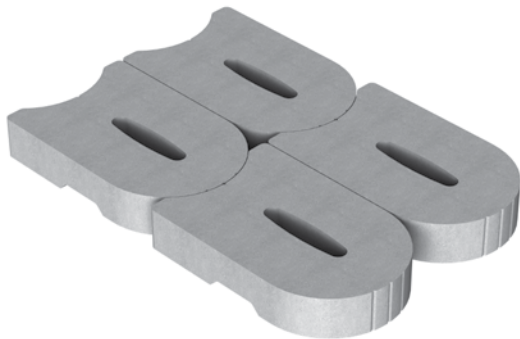
21.8 square feet needed per column.
Use modules G only (Lg Unit 18.5"w)
24 of the long pieces are needed (21.6 sf)



24" x 24"

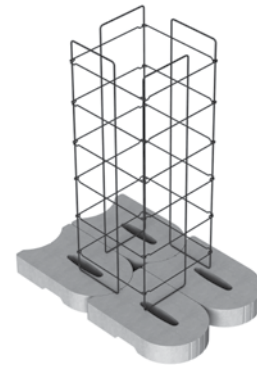
Tandem Wall Cap
(Sold Separately)

STEP 1



Install Base Block

STEP 2



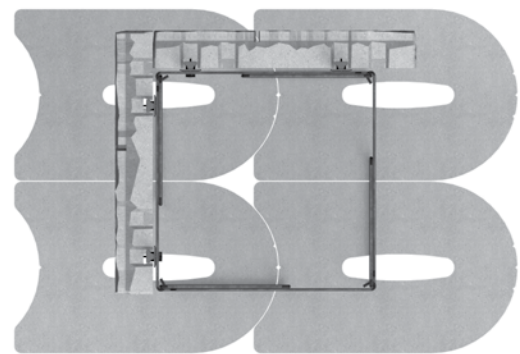
Place the grid on a prepared surface. Make sure the outside perimeter of the grid is clear

STEP 3



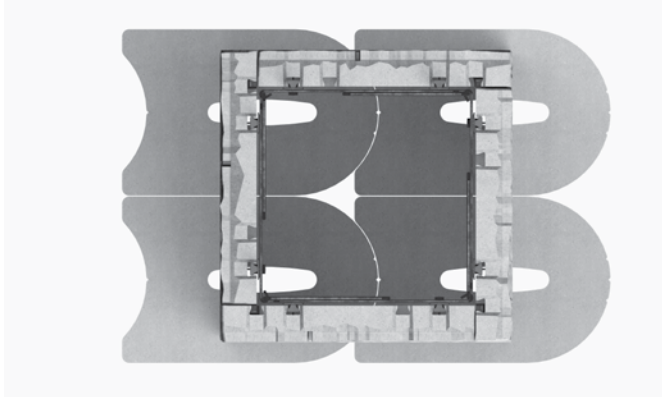
Take a panel and slide the supplied connectors into the dovetails until they snap onto the horizontal rod of the grid.

STEP 4



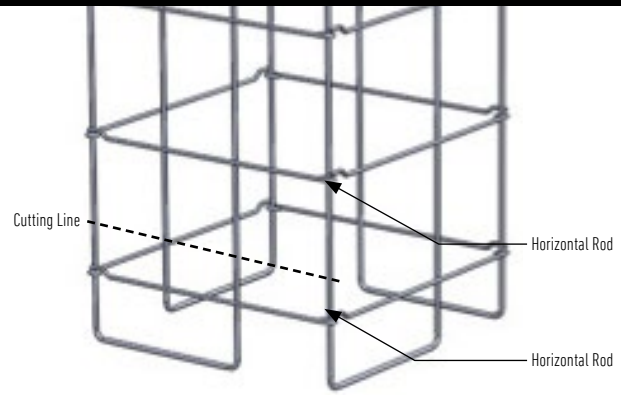
Take another stone and repeat the same process. Make sure you have a corner stone to finish the corner. Once installed, slide the stone along the horizontal axis to adjust the corner.

STEP 5



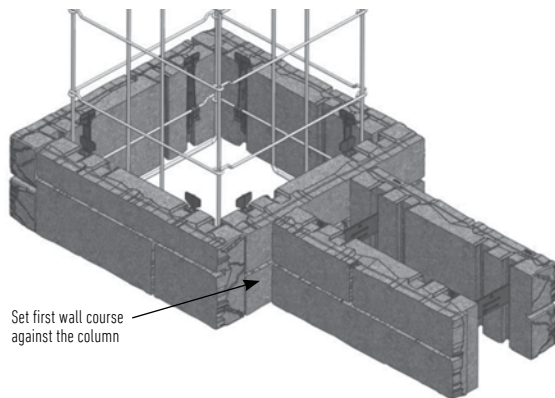
Once you have completed the first two rows, use a square to make sure the column is square and then fill the space with 3/4" clear aggregate. Fill the empty space with aggregates at every row.

OPTIONAL



If you have to cut the grid before installation on the base, you must cut the vertical rod at mid distance between two horizontal rods as shown below.

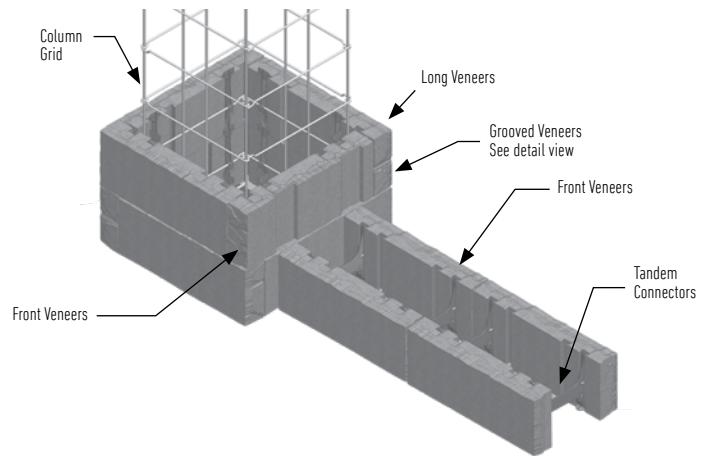
STEP 6



Set first wall course against the column

To integrate a wall into the column set the first course up against the column.

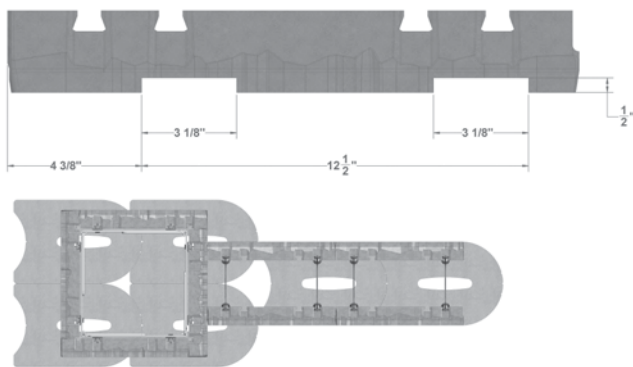
STEP 7



At the second row the long veneer on the column needs to be grooved. Set wall block into grooved veneer.

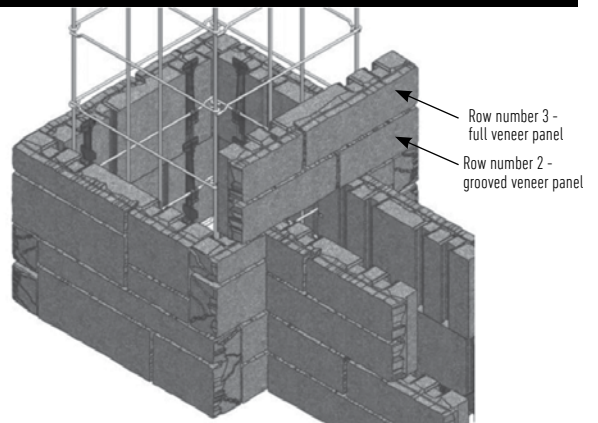
Note: You must groove a panel every other row.

STEP 7: GROOVED VENEER DETAIL



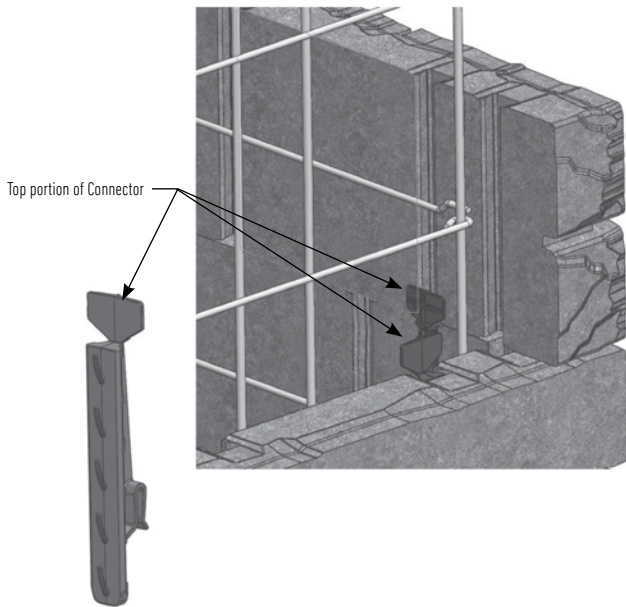
Every other row will require a grooved veneer.

STEP 8



When starting row 3 place full veneer panel across the top of grooved panel. The wall block in row 3 will butt up against column similar to row 1.

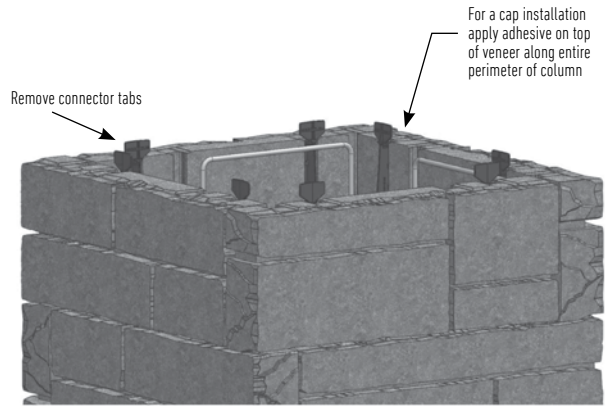
STEP 9



IMPORTANT

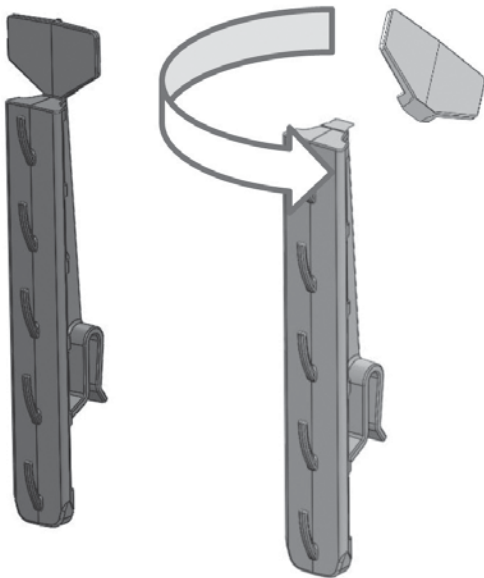
When you are starting the second row, make sure the base of the top panel hits the top portion of the connector.

STEP 10



When you have reached the last row, cut the top portion of the connectors with pliers snippers or just by twisting the top portion with your hands.

STEP 11



Apply glue on the top of the panels before putting on the capping.
IMPORTANT: The capping must lay on the panels , not on the grid.

FINISHED WALL DETAIL

