

LEAN-TO/ FREE STANDING INSTALLATION INSTRUCTIONS

Time estimates are based on a three man crew installing a 100' wide x 10' or less projection unit.

- 1) Identify all parts 90° elbows, T-fittings, 3-Ways, 4-Ways, rafters, ridge, eaves, columns, shade panels, wall brackets, hardware bag, hanger bars, column plant hangers.
- 2) Measure up from the sidewalk at the building wall to the mounting height referenced on the drawings and make a mark.
- 3) Measure down the wall the width of the canopy and once again measure up the wall to the mounting height referenced on the drawings and make a mark.
- 4) Pop a chalk line from the one point at the beginning of the canopy to the end of the canopy horizontally on the wall for the mounting brackets to follow.
- 5) Lay out the columns based on the projection of the canopy and mark the first one based on the point on the wall.
- 6) Lay out the next column and check to make sure they are square to the wall by measuring from corner to corner of the square that was just created. This is critical for the canopy to install properly and avoid costly anchor placement mistakes.
- 7) Once the square is established this layout process can continue and the column layout should be checked periodically to ensure that the unit is maintaining square.
- 8) The process will need to be repeated for stores that have offsets in the canopy or multiple canopies.
- 9) Begin installing the wall brackets to the wall and remember that there are two brackets per ten foot bay and they should be spaced evenly along the width of the canopy. There is some adaptability in the spacing to allow for irregularities in the building wall. The brackets are attached to the wall using 2 - 3/8" x 2" lag screws with shield per bracket.
- 10) Anchor drilling can begin and the drilling should be done based on the layout work done prior to this point This process of the wall

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brackets and anchoring of the columns should take approximately three hours with a three man crew.

- 11) Once all of the wall brackets are mounted and the holes are drilled in the concrete the structure can begin assembly. Attach a column and rafter together using a 3-way fitting. Attach a ridge to the rafter using a 90° fitting and attach an eave as well on to the three way fitting. Attach a T fitting to the ridge and a 4-way fitting to the eave. Carefully lower the ridge into the wall bracket but do not insert the column into the hole yet.
- 12) Add another ridge to the T fitting and another eave to the 4-way fitting. Assemble another column and rafter using a 4-way and a T-fitting and attach to the ridge and eave sitting in the wall bracket. Continue this process until all three bays are assembled.
- 13) Starting at the first bay carefully lower the assembly mentioned above into the columns attached to the concrete.
- 14) Once four bays are assembled screw the ridge to the wall mounting bracket using a ¼" x ¾" tek screw. Continue this process as bays are completed to ensure the unit does not come out of the brackets.
- 15) Once the unit is complete go to the beginning and screw all fittings together using pre-drilled pilot holes in fittings with ¼" x ¾" tek screws.
- 16) Secure the panels to the structure at the corners nearest the building first. Install the bungie balls to the ridge first then the rafters to each side of the panel and last the eave. We recommend that you double bungie the corners.
- 17) Clean the area and get the manager to sign the customer acceptance form. Take pictures and forward the form and pictures to Hendee Enterprises Inc. along with your invoice for payment.

If you have any questions or problems contact Hendee Enterprises Inc., 9350 South Point Drive, Houston, Texas 77054. 800-231-7275 National, 800-323-3641 Texas, 713-796-2322 Local, 713-796-0494 Fax. Ask for Dagmar Reilly and she will direct you to the proper personnel.

SHED MODULE LEAN-TOO INVENTORY LIST

Part Name	7'x20'	7'x30'	7'x40'	7'x50'
Wall Mtg Bracket PN#62108R	4	6	8	10
Tex Screw, ¼"x 1" lg PN#10221	10	14	18	22
Universal Base Plate PN#42402-REV	3	4	5	6
Bungie Straps, Black PN#42242	118	177	233	289
Bracing Kit PN#424BK	2	2	2	2
Cover (7'2" x 9'6")	2	3	4	5
Pipe, 9' 6-1/4"lg (Peak and Eave) PN#42404-CM	4	6	8	10
Pipe, 7'5"lg Column PN#42407-1	3	4	5	6
Pipe 6'4" lg (Rafter) SM/FS, PN#42407-2	3	6	8	10
Tee, Fitting PN#42407-3	1	2	3	4
90 degree Fitting PN#42407-4	2	2	2	2
3-Way Eave, Fitting PN#42412	2	2	2	2
4-Way Eave, Fitting PN#42411	1	2	3	4

SHED MODULE FREE STANDING INVENTORY LIST

Part Name	7'x20'	7'x30'	7'x40'	7'x50'
Tex Screw, ¼"x 1" lg PN#10221	18	24	30	36
Universal Base Plate PN#42402-REV	6	8	10	12
Bungie Straps, Black PN#42242	118	177	233	289
Bracing Kit PN#424BK	4	4	4	4
Cover (7'2" x 9'6")	4	6	8	10
Pipe, 9' 6-1/4"lg (Peak and Eave) PN#42404-CM	4	6	8	10
Pipe, 7'5"lg Column PN#42407-1	6	8	10	12
Pipe 6'4" lg (Rafter) SM/FS, PN#42407-2	3	4	5	6
3-way Peak, Fitting PN#42416-1R	1	1	1	1
3-way Peak Fitting PN#42416-1L	1	1	1	1
4-way Peak Fitting PN#42415-1	1	2	3	4
3-Way Eave, Fitting PN#42412	2	2	2	2
4-Way Eave, Fitting PN#42411	1	2	3	4