

Two-Piece Round Column Forms

1. SHIPPING AND RECEIVING

HOW SHIPPED: DECO Two-piece round column forms are usually shipped by commercial truck due to limited size of shipments. Depending on the diameter of the columns, the columns will be nested inside one another ranging from two to six units per bundle. The bracing collars, straps and clamps will also be included inside of the bundle or on a separate pallet.

ATTACHMENTS, MECHANICAL AND OTHER SUB TRADES: Do not drill holes, punch or otherwise mutilate DECO Two-piece round column forms in any way without written authorization from the manufacturer.

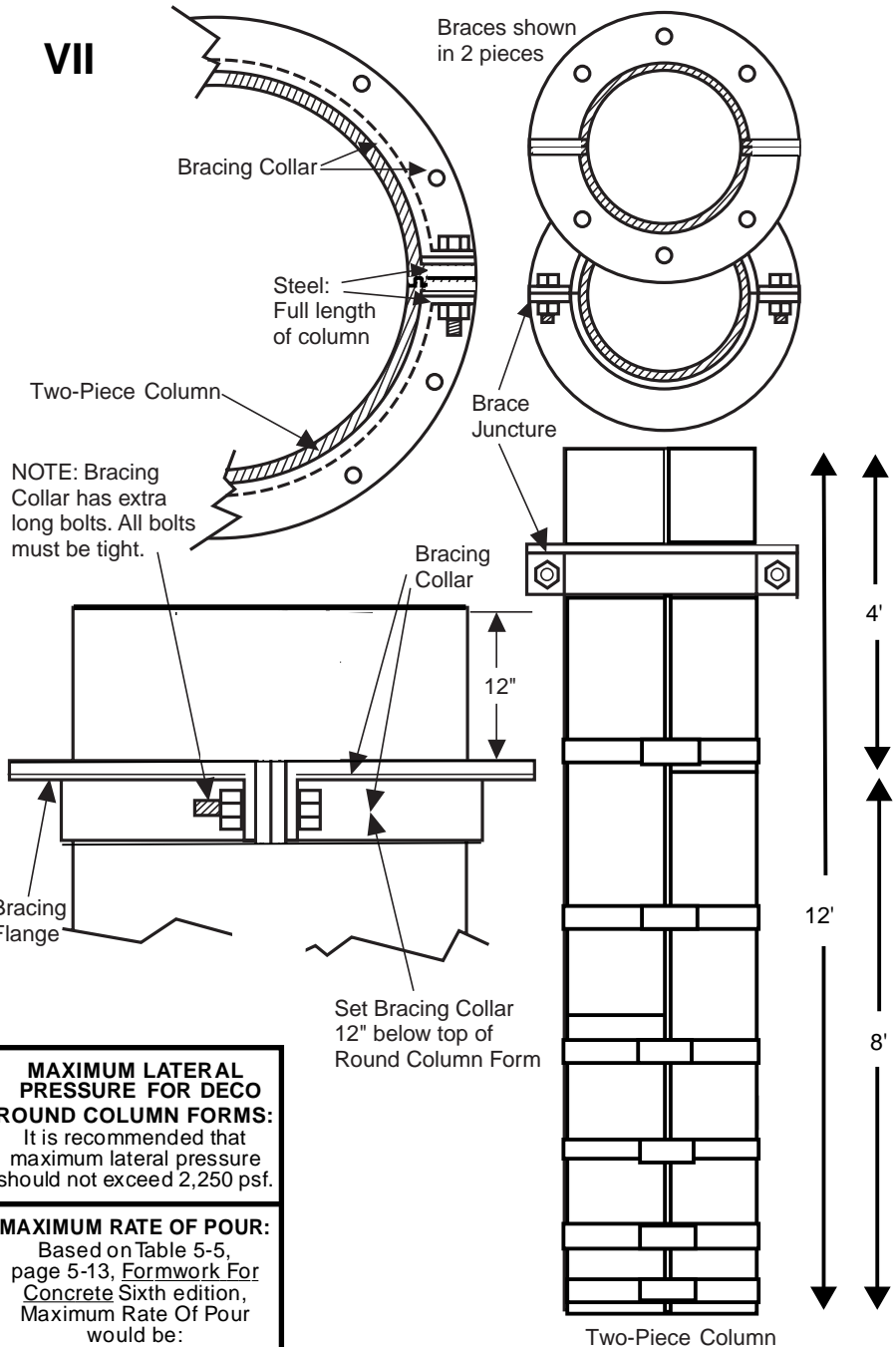
APPLICATION OF FORM RELEASE: It is essential that form release be applied to the interior of the column form prior to each use. Application of the form release should be per the form release manufacturer's instructions.

2. PLACING OF THE COLUMNS

Be certain form release has been applied prior to installing the column form.

Use kickers, secured to the slab, to keep the bottom of the column in position. Secure the bracing collar approximately 12" from the top of the column, and attach braces to the collar as required to hold the column vertical while filling. (See illustration VII and VIII.)

Check to make certain that all bolts are tight, that the bracing collar is in the proper position, and that all bracing is sufficient to hold each column in position during filling. When filling the column, do not dump the concrete. Each column has affixed to it a label stating the maximum rate of pour, very similar to the chart at right.



Sizes

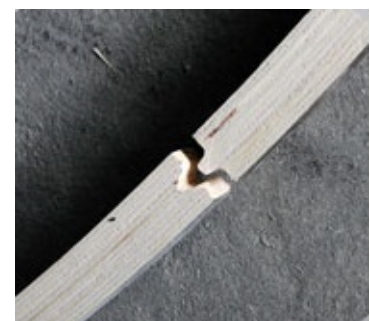
Column Diameter	Length Up To	Approx. Wt. Per Lineal Ft. (Half Round)	Approx. Vol. of Concrete Per Lineal Ft.
12"	30'	2.55 lbs.	.8 cu. ft.
14"	30'	2.9 lbs.	1.0 cu. ft.
16"	30'	3.2 lbs.	1.4 cu. ft.
18"	30'	3.3 lbs.	1.8 cu. ft.
20"	30'	3.75 lbs.	2.2 cu. ft.
22"	30'	4.35 lbs.	2.6 cu. ft.
24"	30'	6 lbs.	3.1 cu. ft.
26"	30'	6.6 lbs.	3.6 cu. ft.
28"	30'	7.2 lbs.	4.2 cu. ft.
30"	30'	7.8 lbs.	4.9 cu. ft.
32"	30'	8.3 lbs.	5.5 cu. ft.
34"	30'	8.9 lbs.	6.3 cu. ft.
36"	30'	9.5 lbs.	7.0 cu. ft.
38"	30'	10.1 lbs.	7.9 cu. ft.
40"	30'	10.7 lbs.	8.7 cu. ft.
42"	30'	11.3 lbs.	9.6 cu. ft.
44"	30'	11.9 lbs.	10.6 cu. ft.
46"	30'	12.5 lbs.	11.5 cu. ft.
48"	30'	13.1 lbs.	12.6 cu. ft.

MAXIMUM LATERAL PRESSURE FOR DECO ROUND COLUMN FORMS:
It is recommended that maximum lateral pressure should not exceed 2,250 psf.

MAXIMUM RATE OF POUR:
Based on Table 5-5, page 5-13, Formwork For Concrete Sixth edition, Maximum Rate of Pour would be:

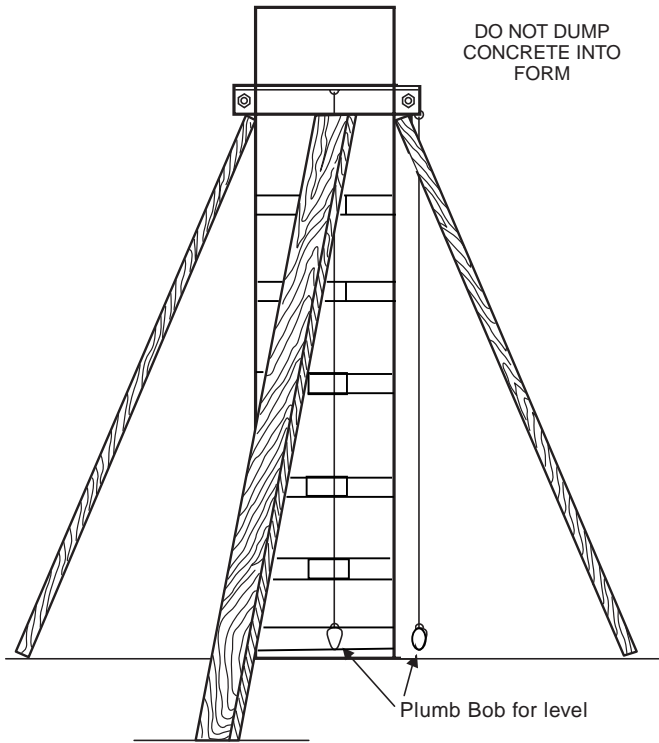
At 90° F: 20 feet per hour
 At 80° F: 18 feet per hour
 At 70° F: 16 feet per hour
 At 60° F: 14 feet per hour
 At 50° F: 11 feet per hour
 At 40° F: 9 feet per hour

Applies only for normal weight concrete made with Type 1 cement, no admixtures or pozzolans, slump no more than 4 inches, and vibration depth limited to 4 feet or less.



VIII

Use guy wires or bracing to hold into position.
Be careful not to pull out of round.



Product Description:

DECO Two-Piece Column Forms is innovative, premium overlaid plywood with excellent surface durability for mirror gloss finishes. Panel Construction is a three-part, high-density, overlay on hardwood Poplar/Birch mixed inner ply. It is manufactured with a two-step layup, bonded by phenolic glue, and laminated with #100 film paper on both sides. After hours of 95 ° C high temperature pressurized with molded half round forms, the half round columns is set and formed permanently. The edges are then trimmed tongue and groove and calibrated to fit the round column perfectly.

Sizes and dimensions:

Diameter 12"-48" in 2" increment

Length 4', 8' 10' height

Plywood column thickness:

12" to 30" 15mm 5/8", 32" to 48" 18mm 3/4"

Application:

The two half-round columns are set to form watertight by tightening the steel straps sets at different intervals according to the diameter and height of columns. Then apply the bottom 1st steel strap elevated 5/8" from the floor, so to avoid the concrete to adhere to it, and ready for the next pour. It is manufactured to perform 10-15 pours on standard and will extend 50% more with the release agent applied. The cost of each pour is about 10-15% of the major brand carefree tubes. The steel straps will require to increase 1/3 quantity at the bottom portion, at every additional 10' height of columns.

12"~16" 24" o.c.

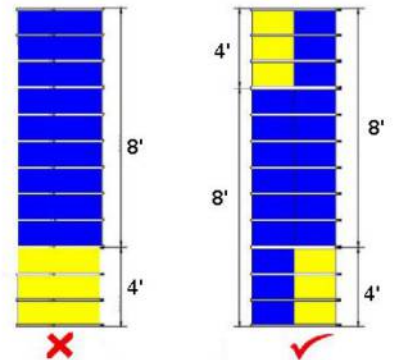
18"~22" 20" o.c.

24"~28" 18" o.c.

30"~34" 16" o.c.

36"~42" 12" o.c.

44"~48" 10" o.c.



Hardware:

2" steel straps with buckles in quantity sets to cover the columns in the corresponding size.

1 set Bracing Collar provided to each column unit.

Limitations :

Maximum height of column is limited to 30 feet, by stacking the two half alternatively, and will require multiple pourings in order to reach the max height. Steel straps is required on the joint of top and bottom sections.

Extra care will be required to handle the stripping of columns after cured. It is prohibited to use any demolition tools to strip the tongue and groove joint because they are delicate and easy damaged. The life of column and numbers of pour will depend strictly on the handling and stripping process.

