



# Installation Guide

## PS-4000 FLAT WALL

### ESTIMATING WORKSHEET

**A. PolySteel Forms** You must know the total linear feet of walls to be formed and the height of each wall.

1. \_\_\_\_\_ Total Wall Lengths Divided by 4 = \_\_\_\_\_ Forms per course
2. \_\_\_\_\_ Forms Per Course (24" Forms) X \_\_\_\_\_ Courses = \_\_\_\_\_ Gross Wall Forms (24" Forms)
3. \_\_\_\_\_ Forms Per Course (12" Forms) X \_\_\_\_\_ Courses = \_\_\_\_\_ Net Wall Forms (12" Forms)
4. \_\_\_\_\_ Gross Wall Total (24" Forms) – \_\_\_\_\_ Window and Door Area Forms\* = \_\_\_\_\_ Net Wall Forms (24" Forms)
5. \_\_\_\_\_ Corners (24" Forms) X \_\_\_\_\_ Courses = \_\_\_\_\_ Corner Total (24" Forms)
6. \_\_\_\_\_ Corners (12" Forms) X \_\_\_\_\_ Courses = \_\_\_\_\_ Corner Total (12" Forms)
7. \_\_\_\_\_ Net Wall Forms (24" Forms) – \_\_\_\_\_ Corner Forms (24" Forms) = \_\_\_\_\_ Straight Form Total (24" Forms)
8. \_\_\_\_\_ Net Wall Forms (12" Forms) – \_\_\_\_\_ Corner Forms (12" Forms) = \_\_\_\_\_ Straight Form Total (12" Forms)

\*Take window and door opening area X 80% then divide by 8 to determine forms to be deducted for openings.

**B. Reinforcing Steel (Rebar)** You must know the total linear feet of walls to be formed and the spacing of the vertical rebar required.

1. Horizontal. Perimeter Length \_\_\_\_ ÷ 16 X Number of Horizontal Rebar Runs = Total # of 20' Bars
2. Vertical. Perimeter Length \_\_\_\_ ÷ Foot Spacing \_\_\_\_ = Total Number of Bars \_\_\_\_

**C. Concrete** Concrete should be a minimum 3,000 psi mix with 3/8" aggregate (3/4" is allowed) and delivered at a 5' slump. Divide the number of forms by the indicated forms filled per yard of concrete.

- |   |  |
|---|--|
| 1. PS-4600-2 6" Straight Total Divided by 6.75    | 7. PS-4600-1 6" Straight Total Divided by 13.50    |
| 2. PS-4690-2 6" 90° Corner Total Divided by 7.50  | 8. PS-4690-1 6" 90° Corner Total Divided by 15.00  |
| 3. PS-4645-2 6" 45° Corner Total Divided by 24.35 | 9. PS-4645-1 6" 45° Corner Total Divided by 48.70  |
| 4. PS-4800-2 8" Straight Total Divided by 5.00    | 10. PS-4800-1 8" Straight Total Divided by 10.00   |
| 5. PS-4890-2 8" 90° Corner Total Divided by 5.50  | 11. PS-4890-1 90° Corner Total Divided by 11.00    |
| 6. PS-4845-2 8" 45° Corner Total Divided by 16.75 | 12. PS-4845-1 8" 45° Corner Total Divided by 33.50 |

**D. VBuck** You must know the total linear feet of the openings you want to form.

1. VBuck. Perimeter of Openings Divided by 16. Round up and add 1 piece per 10 openings.
2. Corner Connectors. Window Openings X 8 + Door Openings X 4.  
(Note: For 10" VBuck and larger, center connectors are required.)

