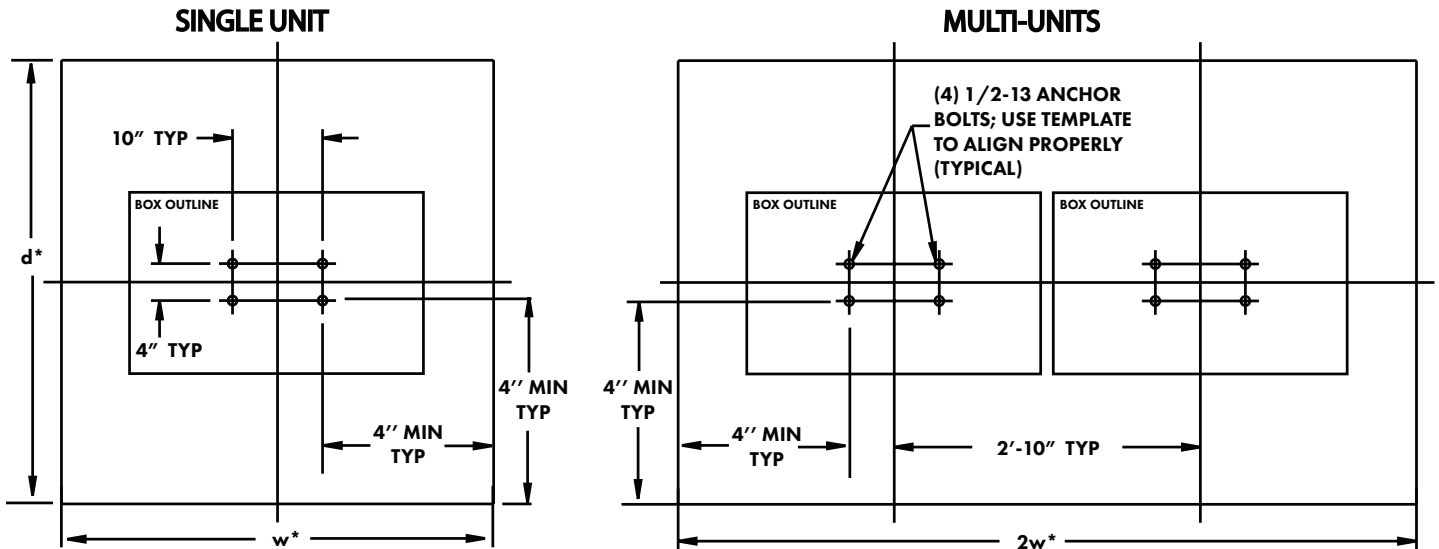
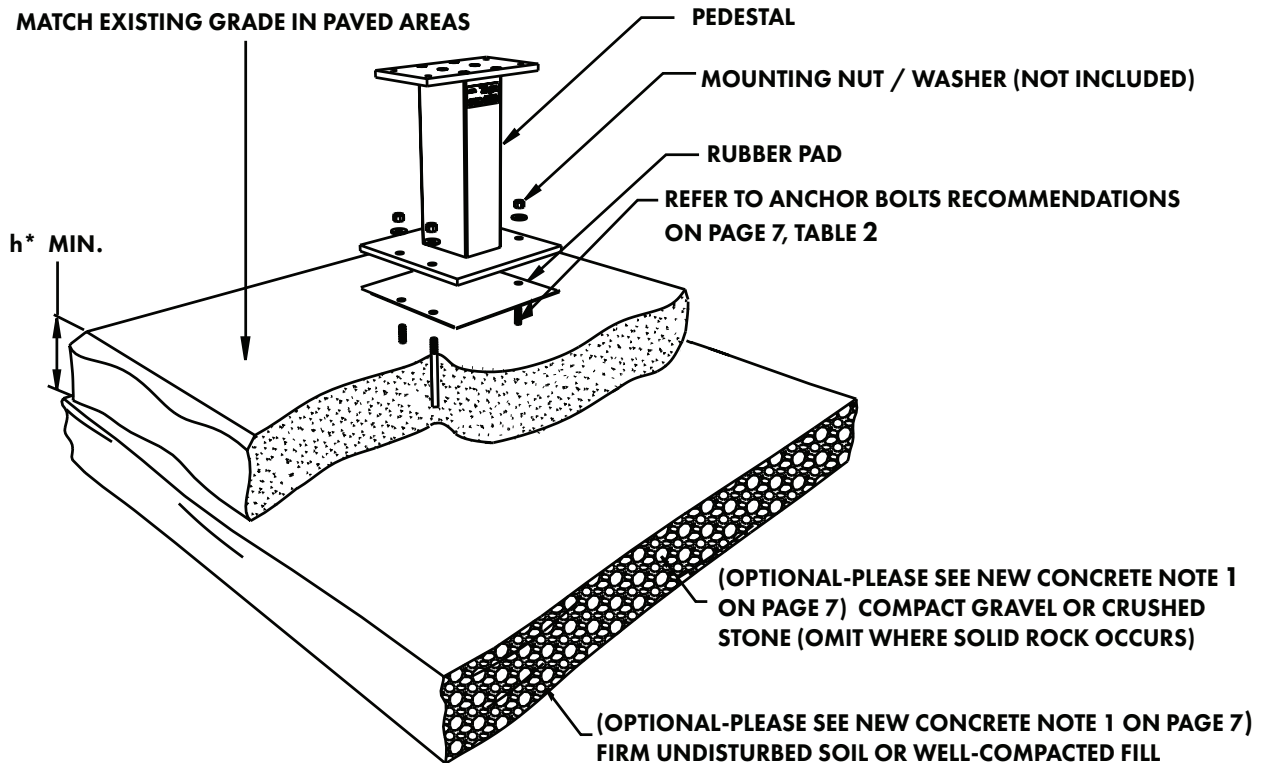


CONCRETE FOUNDATION PREPARATION

vital™ cluster box unit - 1570 "F" Series



MATCH EXISTING GRADE IN PAVED AREAS



*Pad recommendations for " $h/d/w$ " outlined on page 7, Table 1

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vital™ cluster box unit - 1570 "F" Series

NEW CONCRETE BASE:

- 1) Depending on climatic and soil conditions in the area of installation, optional foundation material may be necessary as shown. Consult local building codes for recommendations.
- 2) Refer to Table 1 for thickness (h), width (w), and depth (d) of the concrete pad alternatives.
- 3) Concrete shall have a compressive strength of 3000 psi @ 28 days, contain 4% min ~ 6% max air entrapment and be placed with a 3.50~4.50 slump in accordance to 301.
- 4) Use wire mesh as per (Standard) or fiber reinforced concrete as per (Standard).

EXISTING CONCRETE BASE:

- 1) Existing concrete pad must be at least 48" wide.
- 2) Concrete base and anchor bolts may be reused if:
 - a. existing 1/2" diameter expansion anchor bolts are firmly embedded in the concrete and not damaged or corroded;
 - b. concrete foundation is not damaged; **and**
 - c. bolt hole pattern of the new unit matches the installed anchor bolts.
- 3) Additional considerations include:
 - a. if concrete is only 4" thick, then option ' b ' in Table 2 below cannot be used
 - b. any unused, existing anchor bolts must be cut flush to the level of the concrete surface
 - c. if concrete is damaged, replacement of foundation pad is required

TABLE 1: Pad Recommendations

| h (Thickness) | w (Width) min | d (Depth) min |
|---------------|---------------|---------------|
| 4" | 47" | 47" |
| 5" | 44" | 44" |
| 6" | 42" | 42" |
| 7" | 40" | 40" |
| 8" | 39" | 39" |

TABLE 2

| Expansion Anchor Bolt Recommendations (or equivalent) |
|---|
| a. Hilti Kwik Bolt II (www.hilti.com) <ul style="list-style-type: none">- 1/2 inch diameter x 5 1/2 inches overall length- Galvanized- KB II 12-512, Stainless Steel Minimum embedment in concrete must be at least 3 1/2 inches |
| b. ITW Ramset Redhead Turbolt (www.hilti.com) <ul style="list-style-type: none">- 1/2 inch diameter x 7 inches overall length- Galvanized Minimum embedment in concrete must be at least 4 1/8 inches |
| c. Rawl Stud (www.rawl.com) <ul style="list-style-type: none">- 1/2 inch diameter x 5 1/2 inches overall length- Galvanized Minimum embedment in concrete must be at least 4 inches |