**FIGURE 9.5**   Reaction report. (*VP Buildings.*)

The report contains the following data:

**Varco-Pruden Buildings** — A United Dominion Company — *Built On Superior Service*

**REACTIONS REPORT**

(Project Name: Phoenix Associates Test)
(VP Quote No.: TQ940323085603)
(VP Order No.: )

DATE: 04/06/94
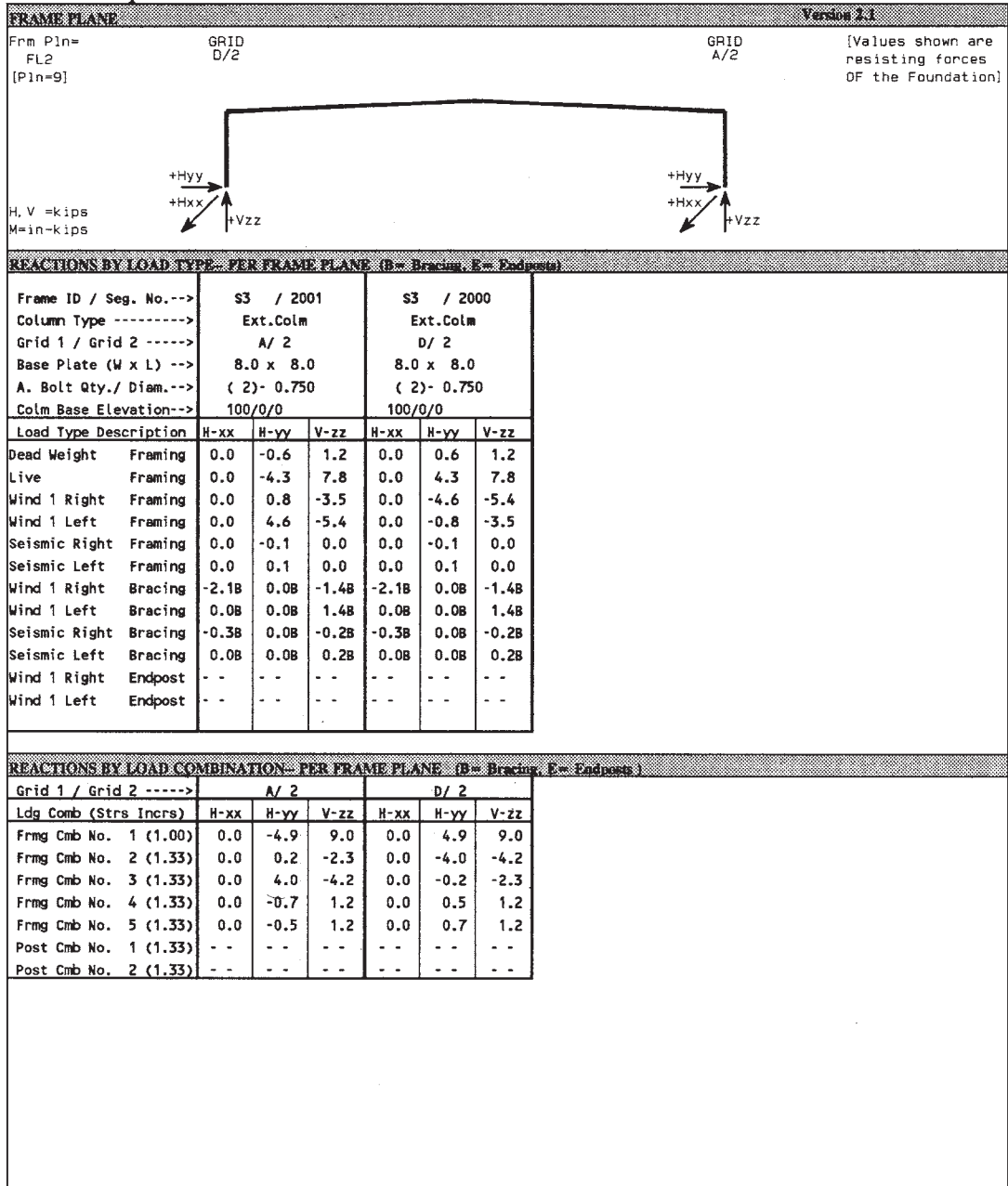TIME: 09:43
PAGE: 03 of 05

**FRAME PLANE** — Version 2.1

Frm Pln= FL2 [Pln=9]   GRID D/2   GRID A/2   [Values shown are resisting forces OF the Foundation]

+Hyy  +Hxx  +Vzz

H, V =kips
M=in-kips

**REACTIONS BY LOAD TYPE--PER FRAME PLANE (B= Bracing, E= Endpost)**

| Frame ID / Seg. No.--> | S3 / 2001 | | | S3 / 2000 | | |
|---|---|---|---|---|---|---|
| Column Type --------> | Ext.Colm | | | Ext.Colm | | |
| Grid 1 / Grid 2 -----> | A/ 2 | | | D/ 2 | | |
| Base Plate (W x L) --> | 8.0 x 8.0 | | | 8.0 x 8.0 | | |
| A. Bolt Qty./ Diam.--> | ( 2)- 0.750 | | | ( 2)- 0.750 | | |
| Colm Base Elevation--> | 100/0/0 | | | 100/0/0 | | |
| Load Type Description | H-xx | H-yy | V-zz | H-xx | H-yy | V-zz |
| Dead Weight    Framing | 0.0 | -0.6 | 1.2 | 0.0 | 0.6 | 1.2 |
| Live           Framing | 0.0 | -4.3 | 7.8 | 0.0 | 4.3 | 7.8 |
| Wind 1 Right   Framing | 0.0 | 0.8 | -3.5 | 0.0 | -4.6 | -5.4 |
| Wind 1 Left    Framing | 0.0 | 4.6 | -5.4 | 0.0 | -0.8 | -3.5 |
| Seismic Right  Framing | 0.0 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 |
| Seismic Left   Framing | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 |
| Wind 1 Right   Bracing | -2.1B | 0.0B | -1.4B | -2.1B | 0.0B | -1.4B |
| Wind 1 Left    Bracing | 0.0B | 0.0B | 1.4B | 0.0B | 0.0B | 1.4B |
| Seismic Right  Bracing | -0.3B | 0.0B | -0.2B | -0.3B | 0.0B | -0.2B |
| Seismic Left   Bracing | 0.0B | 0.0B | 0.2B | 0.0B | 0.0B | 0.2B |
| Wind 1 Right   Endpost | - - | - - | - - | - - | - - | - - |
| Wind 1 Left    Endpost | - - | - - | - - | - - | - - | - - |

**REACTIONS BY LOAD COMBINATION--PER FRAME PLANE (B= Bracing, E= Endpost)**

| Grid 1 / Grid 2 -----> | A/ 2 | | | D/ 2 | | |
|---|---|---|---|---|---|---|
| Ldg Comb (Strs Incrs) | H-xx | H-yy | V-zz | H-xx | H-yy | V-zz |
| Frmg Cmb No.  1 (1.00) | 0.0 | -4.9 | 9.0 | 0.0 | 4.9 | 9.0 |
| Frmg Cmb No.  2 (1.33) | 0.0 | 0.2 | -2.3 | 0.0 | -4.0 | -4.2 |
| Frmg Cmb No.  3 (1.33) | 0.0 | 4.0 | -4.2 | 0.0 | -0.2 | -2.3 |
| Frmg Cmb No.  4 (1.33) | 0.0 | -0.7 | 1.2 | 0.0 | 0.5 | 1.2 |
| Frmg Cmb No.  5 (1.33) | 0.0 | -0.5 | 1.2 | 0.0 | 0.7 | 1.2 |
| Post Cmb No.  1 (1.33) | - - | - - | - - | - - | - - | - - |
| Post Cmb No.  2 (1.33) | - - | - - | - - | - - | - - | - - |

**FIGURE 9.6** A manufacturer's shop drawing. (*VP Buildings.*)