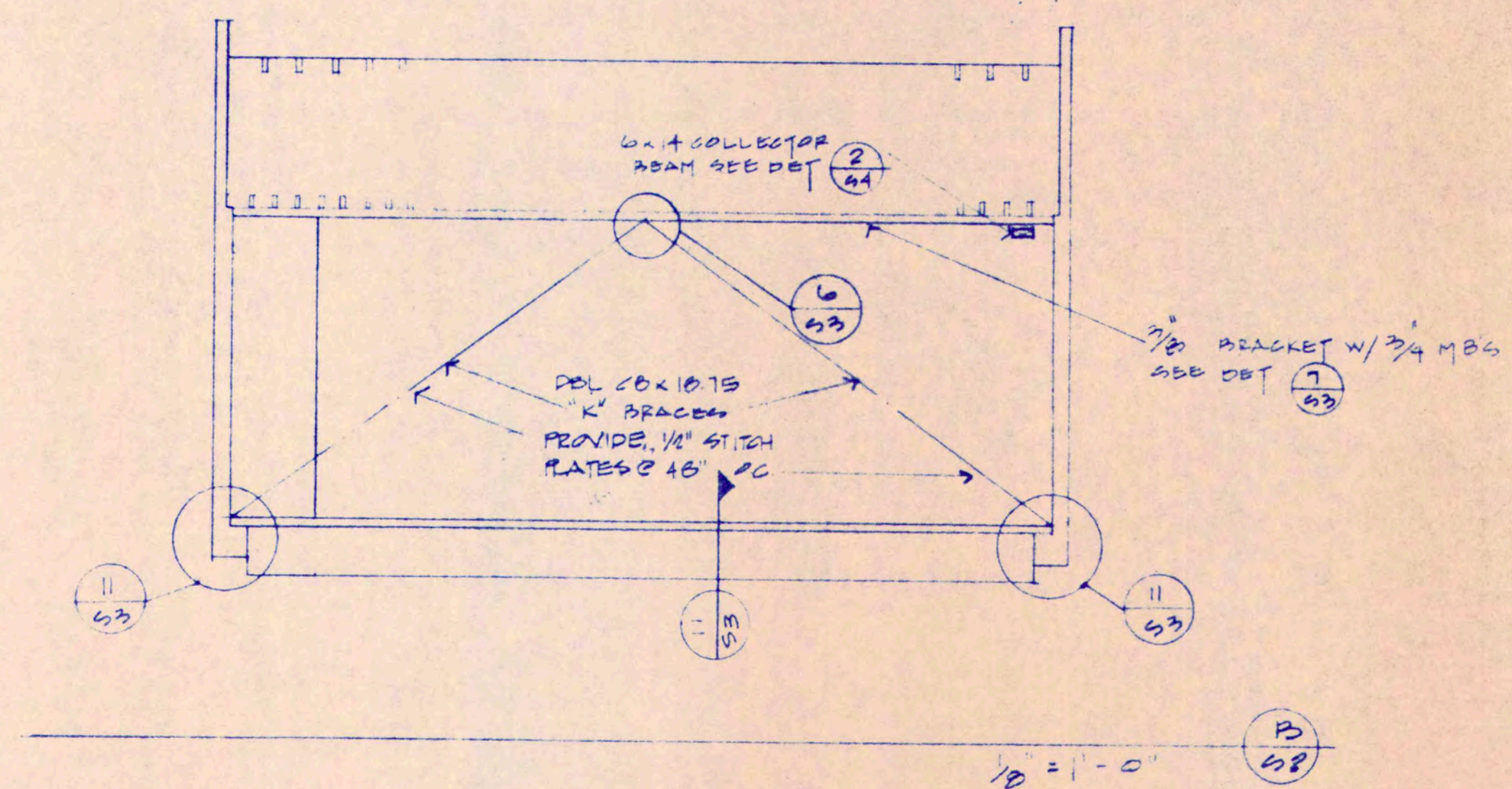
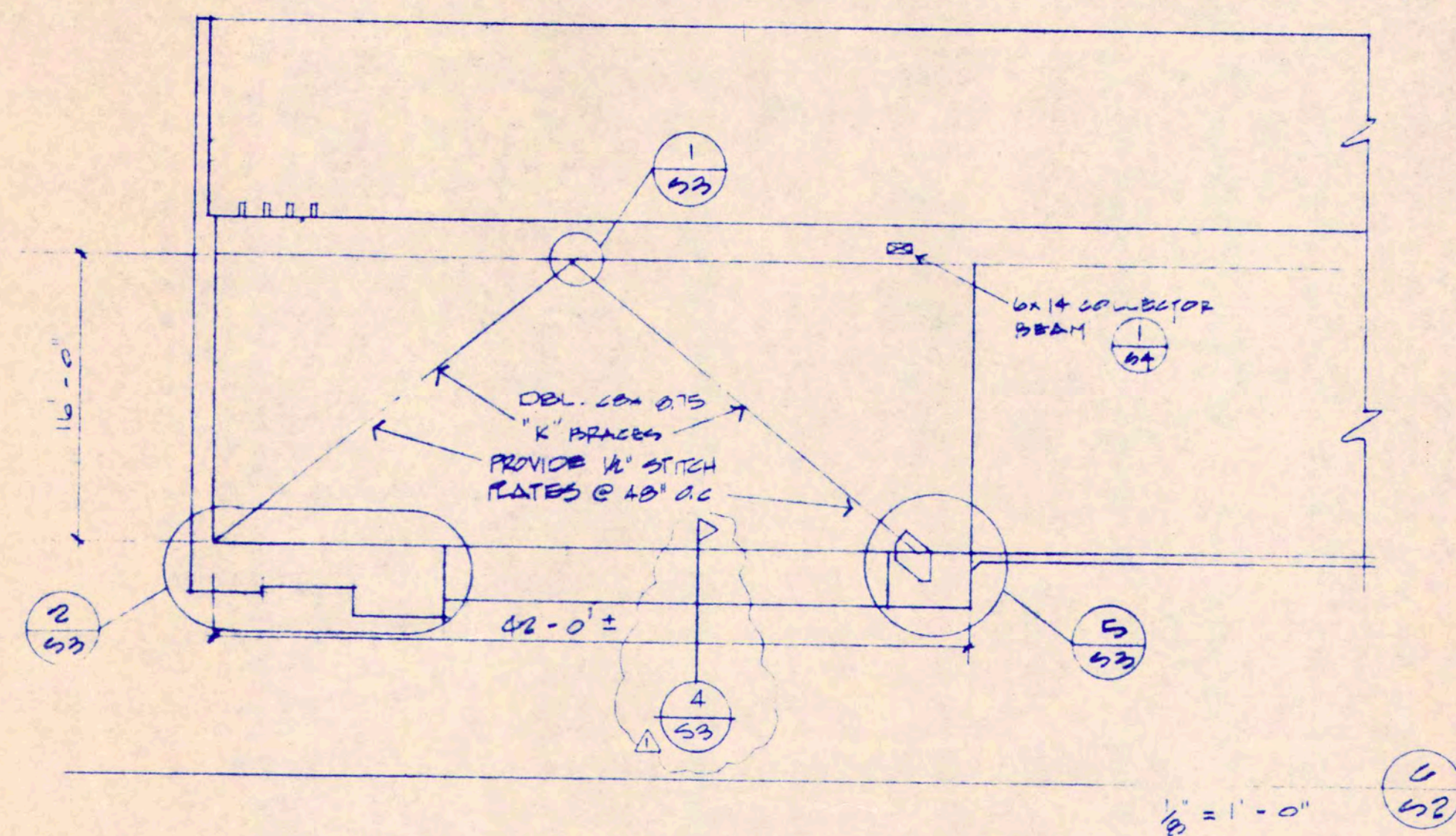


LONGITUDINAL SECTION

DRN. BY: P.G.  
ENG. BY: M.J.D.  
CK'D BY:  
REVISIONS:  
1. 07-13-01

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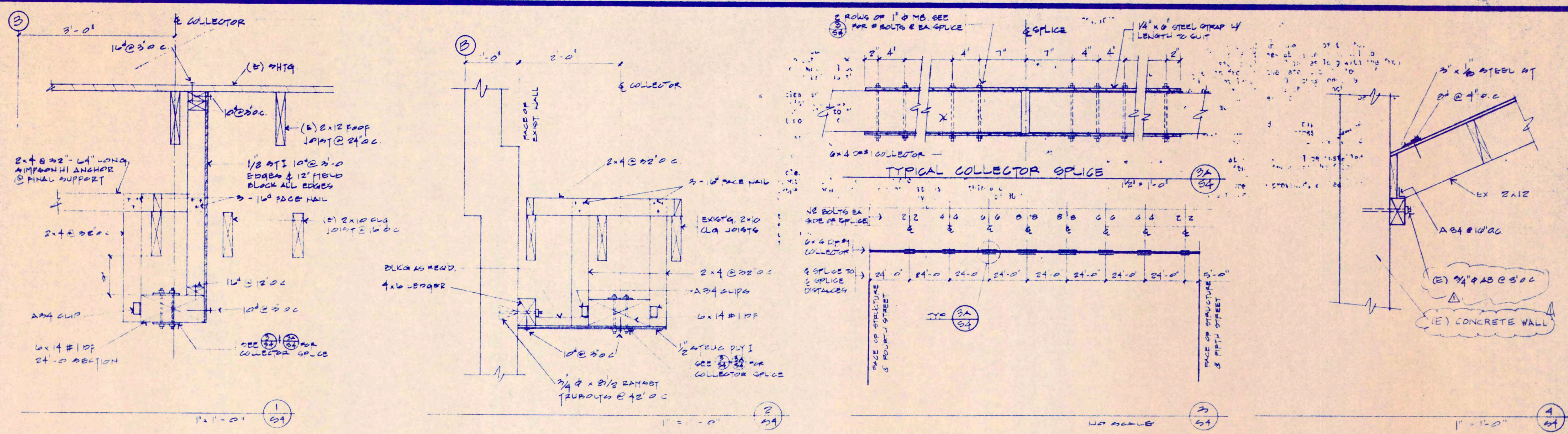
Donald T. Morton  
Civil Engineer  
Structural Engineer — 1211

STRUCTURAL REHABILITATION OF  
733 - 745 FOURTH STREET  
SANTA ROSA CA.

PROJECT 81124  
DATE 7-1-01  
SHEET

S:2  
OF  
4





ANCHOR BOLT SPECIFICATIONS AS PER  
SHT. 1 GENERAL NOTES (F)

### TRUBOLT® WEDGE ANCHORS

| Anchor<br>Diam.<br>(in.) |                         | Maximum Working Loads in Pounds*               |       |                                                |       |
|--------------------------|-------------------------|------------------------------------------------|-------|------------------------------------------------|-------|
|                          |                         | Concrete Strength<br>f <sub>c</sub> = 3000 Psi |       | Concrete Strength<br>f <sub>c</sub> = 5000 Psi |       |
| Embed<br>Depth<br>(in.)  | Embed<br>Depth<br>(in.) | Tension                                        | Shear | Tension                                        | Shear |
| 1-1/4                    | 1-1/2                   | 480                                            | 520   | 480                                            | 520   |
| 1-1/2                    | 1-3/4                   | 620                                            | 520   | 620                                            | 520   |
| 1-3/4                    | 2-1/4                   | 900                                            | 870   | 1050                                           | 870   |
| 2-1/4                    | 3-1/4                   | 1030                                           | 970   | 1250                                           | 970   |
| 2-3/4                    | 4-1/4                   | 1450                                           | 970   | 1650                                           | 970   |
| 3-1/4                    | 5-1/4                   | 1720                                           | 1920  | 1900                                           | 1920  |
| 3-3/4                    | 6-1/4                   | 1780                                           | 1920  | 2170                                           | 1920  |
| 4-1/4                    | 7-1/4                   | 1920                                           | 1920  | 2510                                           | 1920  |
| 4-3/4                    | 8-1/4                   | 2160                                           | 2800  | 2640                                           | 2800  |
| 5-1/4                    | 9-1/4                   | 2160                                           | 2800  | 3570                                           | 2800  |
| 5-3/4                    | 10-1/4                  | 2800                                           | 2800  | 4510                                           | 2800  |
| 6-1/4                    | 11-1/4                  | 4185                                           | 3670  | 4185                                           | 3670  |
| 6-3/4                    | 12-1/4                  | 4185                                           | 4185  | 4185                                           | 4185  |
| 7-1/4                    | 13-1/4                  | 4420                                           | 4185  | 4420                                           | 4185  |
| 7-3/4                    | 14-1/4                  | 4420                                           | 4185  | 4420                                           | 4185  |
| 8-1/4                    | 15-1/4                  | 4750                                           | 6620  | 5420                                           | 6620  |
| 8-3/4                    | 16-1/4                  | 5850                                           | 9135  | 6720                                           | 9135  |
| 9-1/4                    | 17-1/4                  | 5740                                           | 8485  | 6000                                           | 8485  |
| 9-3/4                    | 18-1/4                  | 7250                                           | 9950  | 7250                                           | 9950  |

\*The tabulated values are for anchors installed in a minimum of 12 diameters of concrete and a minimum edge distance of 12 diameters.

### GENERAL SPECIFICATION

Expansion anchors shall be wedge type with one place wrap around expansion sleeve meeting the requirements of Federal Specification FF-S-325, Group II, Type 4, Class 1 and zinc plated in accordance with Federal Specification DD-2-375C, Type 1, Class 3. Expansion anchors shall be installed in holes drilled with carbide tipped drill bits conforming to ANSI Specification B34.12-1977.

Anchor shall be Trubolt® Wedge Anchors by Rammed Fastening Systems, Division of Olin Corporation, 275 Winchester Ave., New Haven, CT 06511 or approved equal.

### DYNASET® FLUSH ANCHORS

| Anchor<br>Diam.<br>(in.) |                         | Maximum Working Loads in Pounds*               |       |                                                |       |
|--------------------------|-------------------------|------------------------------------------------|-------|------------------------------------------------|-------|
|                          |                         | Concrete Strength<br>f <sub>c</sub> = 3000 Psi |       | Concrete Strength<br>f <sub>c</sub> = 5000 Psi |       |
| Embed<br>Depth<br>(in.)  | Embed<br>Depth<br>(in.) | Tension                                        | Shear | Tension                                        | Shear |
| 1-1/4                    | 1-1/2                   | 375                                            | 415   | 425                                            | 415   |
| 1-1/2                    | 1-3/4                   | 485                                            | 415   | 540                                            | 415   |
| 1-3/4                    | 2-1/4                   | 625                                            | 415   | 640                                            | 415   |
| 2-1/4                    | 3-1/4                   | 850                                            | 415   | 840                                            | 415   |
| 2-3/4                    | 4-1/4                   | 1050                                           | 415   | 1050                                           | 415   |
| 3-1/4                    | 5-1/4                   | 1405                                           | 1810  | 2085                                           | 1810  |
| 3-3/4                    | 6-1/4                   | 1405                                           | 1810  | 2085                                           | 1810  |
| 4-1/4                    | 7-1/4                   | 2040                                           | 2870  | 3185                                           | 2870  |
| 4-3/4                    | 8-1/4                   | 2040                                           | 2870  | 3185                                           | 2870  |
| 5-1/4                    | 9-1/4                   | 2900                                           | 4185  | 4030                                           | 4185  |
| 5-3/4                    | 10-1/4                  | 2900                                           | 4185  | 4030                                           | 4185  |
| 6-1/4                    | 11-1/4                  | 4185                                           | 3670  | 4185                                           | 3670  |
| 6-3/4                    | 12-1/4                  | 4185                                           | 4185  | 4185                                           | 4185  |
| 7-1/4                    | 13-1/4                  | 4420                                           | 4185  | 4420                                           | 4185  |
| 7-3/4                    | 14-1/4                  | 4420                                           | 4185  | 4420                                           | 4185  |
| 8-1/4                    | 15-1/4                  | 4750                                           | 6620  | 5420                                           | 6620  |
| 8-3/4                    | 16-1/4                  | 5850                                           | 9135  | 6720                                           | 9135  |
| 9-1/4                    | 17-1/4                  | 5740                                           | 8485  | 6000                                           | 8485  |
| 9-3/4                    | 18-1/4                  | 7250                                           | 9950  | 7250                                           | 9950  |

\*The tabulated values are for anchors installed in a minimum of 12 diameters of concrete and a minimum edge distance of 12 diameters.

### GENERAL SPECIFICATION

Expansion anchors shall be flush type meeting the requirements of Federal Specification FF-S-325, Group VIII, Type 1 and zinc plated in accordance with Federal Specification DD-2-375C, Type 1, Class 3. Expansion anchors shall be installed in holes drilled with carbide tipped drill bits conforming to ANSI Specification B34.12-1977.

Anchor shall be Dynaset® Flush Anchors by Rammed Fastening Systems, Division of Olin Corporation, 275 Winchester Ave., New Haven, CT 06511 or approved equal.

DRN. BY: **09**

ENG. BY: **110**

CK'D BY:

REVISIONS

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PROJECT: **21124**

DATE: **7-1-81**

SHEET

**S.4**

OF

**4**

STRUCTURAL REHABILITATION OF

733-749 FOURTH STREET

SANTA ROSA