NOTES:
1. DIMENSIONS IN PARENTHESES PERTAIN ONLY TO THE 14 FOOT HIGH PANEL.
2. SPECIFY MIN. 4000 PSI COMPRESSIVE STRENGTH CONCRETE.
   ie 6 GALLONS OF WATER PER SACK OF CEMENT, MIN. 7 SACKS OF CEMENT
   PER CU YD CONCRETE. USE 6% AIR ENTRAINMENT.
3. MINIMUM LAP FOR ALL REINFORCING SHALL BE 10''
4. CAST FLOOR IN LENGTHWISE STRIPS 10' WIDE.
5. USE POLYETHYLENE OR TREATED PAPER BOND BREAKER BETWEEN FLOOR & PANELS.
6. USE A VIBRATOR TO ELIMINATE VOIDS IN THE CONCRETE.
7. WET CURE PANELS 5 TO 7 DAYS BEFORE TILTING INTO PLACE.
   APPROXIMATE PANEL WEIGHT (10 FT. = 3460 LBS.)
   (14 FT. = 7630 LBS.)

SILO CAPACITY - TONS/FT. OF LENGTH

<table>
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<tr>
<th>DEPTH</th>
<th>DENSITY</th>
<th>20</th>
<th>30</th>
<th>40</th>
<th>50</th>
<th>60</th>
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<td>10 FT</td>
<td>40 7/3</td>
<td>4</td>
<td>6</td>
<td>8</td>
<td>10</td>
<td>12</td>
</tr>
<tr>
<td>14 FT</td>
<td>45 7/3</td>
<td>6.3</td>
<td>9.4</td>
<td>12.6</td>
<td>15.8</td>
<td>18.9</td>
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ISOMETRIC VIEW

LOCATION OF BUTTRESS ON END PANEL

BUTTRESS-PANEL TIE

FORMING DETAIL FOR ADJOINING FLOOR STRIPS

FOOTING DETAIL

MASONRY BLOCK BUTTRESS ABOVE GRADE & ENDS

CROSS SECTION

TIMBER & REBAR ANCHOR BELOW GRADE

HORIZONTAL SILO

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMIC

UNITED STATES DEPARTMENT OF AGRICULTURE (COOPERATIVE)

N.Y. '73 EX 6175 SHEET 1 OF