

PRECAST WINGWALLS

$$f'_{ci} = 3500 \text{ PSI} \quad f'_c = 5000 \text{ PSI}$$

$$W_{T_{\max}} = 2.26 \text{ T}$$

• FOR STRIPPING/HANDLING

TURNS ARE (4) LIFT LOCATIONS AND BASED ON 60° MINIMUM SLING
ANGLE WITH THE HORIZONTAL

$$\text{DESIGN LOAD/LIFT LOCATION} = \frac{2.26 \text{ T} \times 2}{(4)(0.866)} = 1.3 \text{ K}$$

FROM ATTACHED PRODUCT LITERATURE, USE (4) 2-TON $\times 6\frac{3}{4}"$

$$\text{SWIFT LIFT ANCHORS, SWL (4:1 S.F.)} = 4,000 \text{ LBS.} \quad \checkmark \text{ O.K.}$$

• FOR ROLLUP & ERECTION

ROLLUP PANELS ABOUT BOTTOM EDGE OF PANEL. PLACE (2) LIFT
ANCHORS IN TOP EDGE OF PANEL.

• CHECK TOP ANCHORS FOR SHEAR:

$$\text{SHEAR LOAD/LIFT ANCHOR} = \frac{2.26 \text{ T} \times 2}{(2)(2)} = 1.13 \text{ K}$$

FROM ATTACHED PRODUCT LITERATURE FOR DAYTON SUPERIOR,

USE (2) 2-TON $\times 6\frac{3}{4}"$ SWIFT LIFT ANCHORS w/ SHEAR BARS

$$\text{SWL (4:1 S.F.)} = 2.8 \text{ K} > 1.13 \text{ K, O.K.}$$

CONSERVATIVE AS THIS IS BASED ON 8" WALL THICKNESS VS. 1'-3"

• CHECK TOP LIFT ANCHORS IN TENSION:

TURNS ARE (2) LIFT ANCHORS IN TOP EDGE

$$\text{LOAD/LIFT ANCHOR} = \frac{2.26 \text{ T} \times 2}{2} = 2.3 \text{ K}$$

FROM ATTACHED PRODUCT LITERATURE FOR DAYTON,

USE (2) 2-TON $\times 6\frac{3}{4}"$ SWIFT LIFT ANCHORS

$$\text{SWL (4:1 S.F.)} = 4,000 \text{ LBS} > 2.3 \text{ K}$$