

TILT-UP ENGINEERING PLAN SUBMITTAL

Rec'd: _____ By: _____
 AM PM

D PD TO
 Details: _____ Hrs: _____
 I II III IV

IMPORTANT: Do not give verbal instructions—write them on this sheet. Be certain all dimensions and information regarding panel sizes, openings, surface treatments and other features are shown. **ALWAYS INCLUDE DRAWN OUT PANELS WHEN AVAILABLE.** Plans requiring excessive take-off may incur additional charges. Plans submitted with inadequate information will immediately be placed "ON HOLD," will receive no priority status until all information is received, and may incur additional charges.

JOB NAME: _____ JOB SUPT: _____
 JOB LOCATION: _____ JOB PHONE: _____
 CUSTOMER: _____ OFFICE PHONE: _____
 DISTRIBUTOR: _____ P.O. # _____ SALESPERSON: _____

SERVICES REQUESTED: Detail Bid **SHIPPING:** Details returned by **1ST CLASS MAIL** unless noted otherwise:

Date Sent: _____ Date Requested: _____ # Copies requested: _____ FED EX UPS UPS / FED EX Acct. # (Req'd): _____

DETAILING LEVEL: Basic Tilt-up
SERVICE PROVIDED: Overnight (A.M.) Overnight (P.M.) 2-Day (Econ)
 Tilt-up panel lift design plus:
 Brace Tables Only Standard Brace Tables provided for customer's use with only the finished floor elevation indicated on details.
 Minimum Panel Bracing Standard Brace Tables provided for customer's use with only the brace type, minimum number of braces & finished floor elevation indicated on details. (Actual brace spacing & layout must be determined by customer. Brace type and number required is based on Standard Brace Table spacings and is not checked by Engineering for practicality.)
 Complete Panel Bracing Lift design and brace design. Brace design will indicate on each detail sheet the brace type, number of braces required, brace length, maximum spacing, finished floor elevation, floor brace point location from face of panel and the wall brace points will be plotted and dimensioned vertically and horizontally. Floor slab design is **NOT** provided.
 Concrete Brace Anchors Design of rectangular or continuous footings for brace anchorage. (Additional charge) Floor slab design is **NOT** provided.
 Submit calculations Additional charges will be incurred.
 Engineer's stamp required on: Cover sheet only Details only Details & calcs State: _____ (Additional charges will be incurred)

IF DRAWN OUT PANEL DETAILS ARE PROVIDED:
 A) Panel details are drawn: Inside Outside face up.
 B) Dimensions and features shown on drawn out panel details supersede those on contract drawings? Yes No
 C) Note size and location of any features not shown on panel details (e.g. reveals, textures, etc.): _____

JOB INFORMATION (Must be completed): NOTE - Engineering will not be started without a P.O. Number! (Please provide prior to shipping plans)

- 1) Panels will be cast Inside Outside face up.
- 2) Concrete weight: Standard Weight: 145 PCF Light Weight: 120 PCF 110 PCF Other: _____ PCF
- 3) Concrete Compressive Strength / Modulus of Rupture at time of lift (psi): 2500/500 2500/450 3000/548 3000/500 Other: _____ / _____
- 4) Can concrete strength be increased? Yes, but do not exceed _____ / _____ psi No, do not increase strength.
- 5) Face lift inserts preferred/bid: Superlift III Dbl. Superlift III Superlift II Dbl. Superlift II Other [Type/size: _____]
- 6) Edge lift inserts preferred/bid: SL-III Edge Erection Anchor/w shear plate [2 Ton 4 Ton 8 Ton] Other [Type/size: _____]
- 7) Brace type preferred/bid: 8'-14' M-B Precast Brace Super 17 Super 22 Super 22 with [5' Ext. 10' Ext.]
 Super 32 Super 32 with [5' Ext. 10' Ext. 2 - 10' Ext.'s] Super 42 Super 52 Other (specify) _____
- 8) Floor brace anchor preferred: BIG-75 Coil Insert Slam Anchor MB Brace Bolt Super Bolt Slab [Thickness: _____ Pour Strip(s): _____]
- 9) If Deadmen are required, preferred style: Badgers Concrete [Cylindrical / Auger Continuous Strip Footing] TD Elev. (From F.F.) _____
- 10) When required, what type of strongbacks are desired? Burke Super Steel Wood Steel Size Preferred _____
- 11) Will ledgers be attached at time of lift: Yes No
- 12) Pattern of lift points preferred/bid: 2X1H 4X1H 2X2H 4X2H 2X4H Other: _____
- 13) Customer prefers: Identical rigging on all panels (if possible) Minimum number of inserts/panel Minimum number of rigging changes
 • Specific rigging requirements: _____
- 14) Panels bid or requiring edge lifting or edge lift inserts for plumb setting (include spandrels): _____
- 15) Casting sequence for large or multiple building projects: _____
- 16) Salesperson desires to be contacted in following conditions: Strongbacks req'd Unusual rigging req'd Different inserts req'd
 Cannot avoid ledgers Increased concrete strength req'd Customer has requested additional engineering services directly
 Actual engineering costs likely to exceed estimate/bid Other: _____
- 17) Should Engineering contact customer, architect or engineer directly for missing information? No Yes (Add'l charges may be incurred)
- 18) Special Instructions (use back if necessary): _____
- 19) Estimated/bid engineering cost: \$ _____ (If Engineering pre-bid estimated charges, attach copy with approval signature & P.O. Number)

