

GENERAL NOTES:

- A. Desuta Concrete Forms (DCF) has prepared these drawings based on information provided to DCF by the customer. Their drawings are intended to illustrate a proper manner of use of the forms and are not intended to be used as the detailed set of blueprints.
- B. DCF makes no warranty, expressed or implied, including the implied warranty of merchantability and fitness for a particular purpose.
- C. The customer and not DCF has the responsibility for the actual use of the drawings and equipment, for determining and complying with all state and local laws, ordinances and codes.
- D. DCF shall have no responsibility for the safety of the customer's personnel, property, equipment or other matters resulting from the use of the drawings or equipment.
- E. DCF is not responsible in the event of a defect in repair or replace the defective drawing or goods.

FORMWORK DESIGN NOTES:

- A. Make & brace all formwork joints that are not tied.
- B. Formwork shall be braced to resist lateral loads.
- C. Inspect completed formwork before pouring to ensure proper placement and secure connections.
- D. Do not attach scaffold brackets to formwork without proper calculations and provision for safety.
- E. Connect formwork with wedge bolts, not from each corner of each form end or every corner.
- F. Do not use horizontal bracing, girts, and corners as tie.
- G. All bracing and structural rods are to be used as a support for any other purpose.
- H. Braces are shown for different end finishing only. They are not intended to resist lateral loads.
- I. For safety guidance, refer to SSPF publication 401 Guide to Safety Practices for Vertical Concrete Formwork.

FORMWORK PRESSURE:

This drawing is based on a maximum allowable concrete pressure rate of 7.5 kN/m² per foot of finished formwork. It is the contractor's responsibility to adjust the pour rates and placement procedures to comply with the above noted pressure.

PRESSURE FORMULAS

Rate less than 7 1/2 ft/hr, wall height < 14' : $P = CwCt(150 + 9000R/T)$
 Rate 7 1/2 ft/hr to 15 ft/hr or less than 7 1/2 ft/hr with wall height > 14' :
 $P = CwCt(150 + 43400/T + 2800 R/T)$
 NOTE: Max. pressure not to exceed w/m, min. allow pressure is 800 c/m.
 Do not use pressures in excess of w/m.

LIST OF PRESSURE INCREASES

Multiply value from pressure chart by unit weight and chemistry coefficients to obtain pressure for design of wall forms.	
Concrete weighing less than 140 pcf	Cw = 0.5 (1 + w/145)
Concrete weighing 140 to 150 pcf	Cw = 1.0
Concrete weighing more than 150 pcf	Cw = w/145

CHEMISTRY COEFFICIENT, Cw

- Types I, II and III Cement without retarders* 1.0
 - Types I, II and III Cement with retarders* 1.2
 - Other types or brands without retarders containing less than 70% slag or less than 40% fly ash 1.2
 - Other types or brands with retarders containing less than 70% slag or less than 40% fly ash 1.4
 - Blends containing more than 70% slag or 40% fly ash 1.4
- *Retarders include any admixtures such as retarders, retarding water reducers, or retarding midrange or high-range water-reducing admixtures that delay the setting of concrete.

FORMWORK TIES

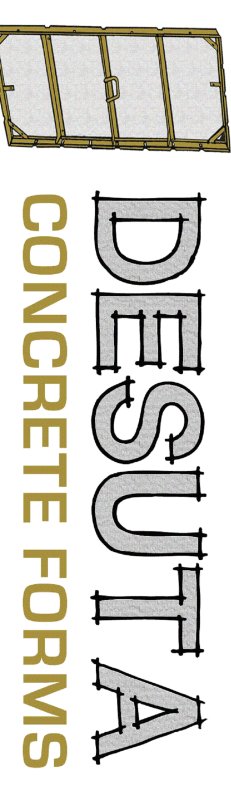
THE SAFE LOAD CAPACITY OF THE TIES USED IN THIS LAYOUT IS 3000# UNLESS NOTED OTHERWISE.

(2:1 SAFETY FACTOR)

LEGEND

8# - 80# BOLT FLUTE	8# - 80# BOLT FLUTE
1# - 1# LOCK RING FOR CONCRETE	1# - 1# LOCK RING FOR CONCRETE
2# - 2# WEDGE BOLT	2# - 2# WEDGE BOLT
3# - 3# WEDGE BOLT	3# - 3# WEDGE BOLT
4# - 4# WEDGE BOLT	4# - 4# WEDGE BOLT
5# - 5# WEDGE BOLT	5# - 5# WEDGE BOLT
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- PRELIMINARY FOR QUOTATION
- BY CUSTOMER
- WORKING DRAWING ISSUED FOR USE IN FIELD



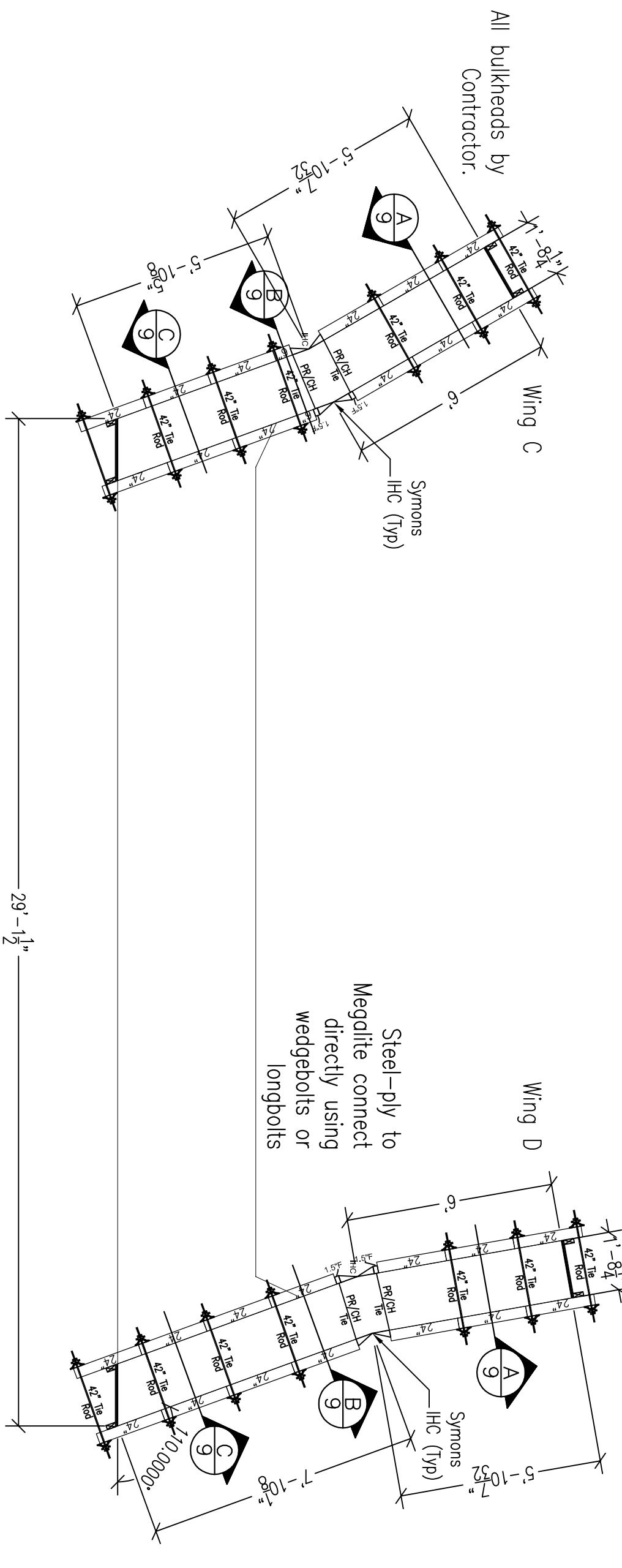
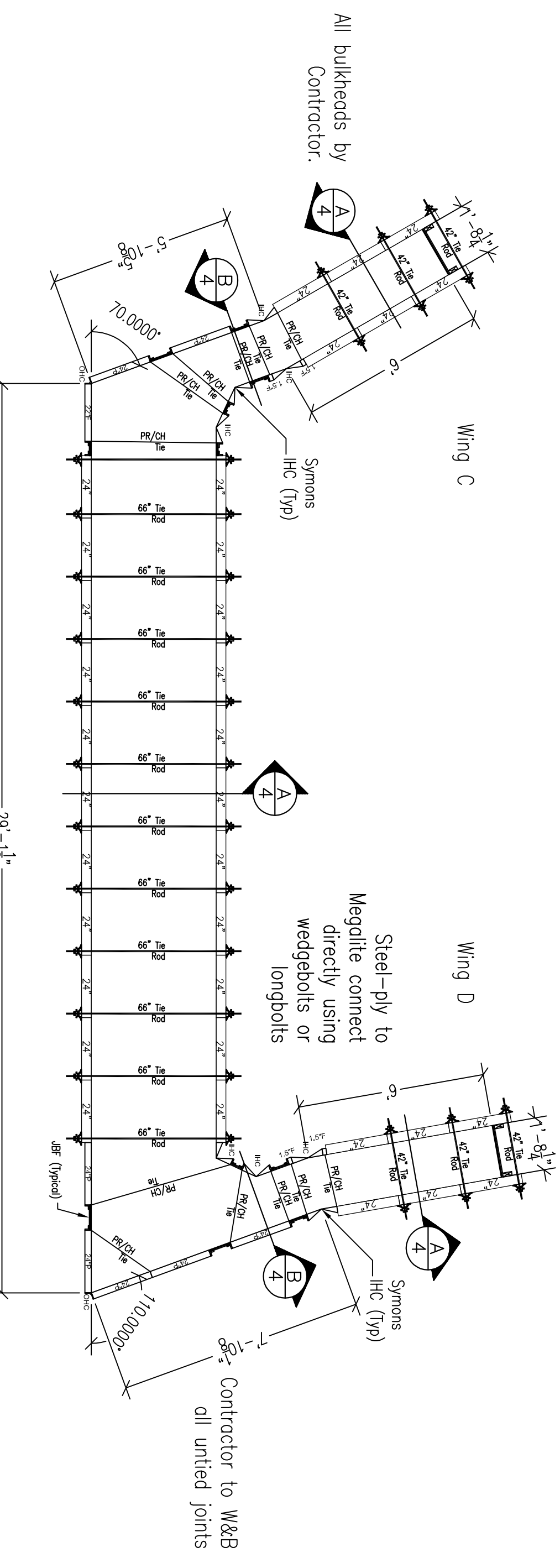
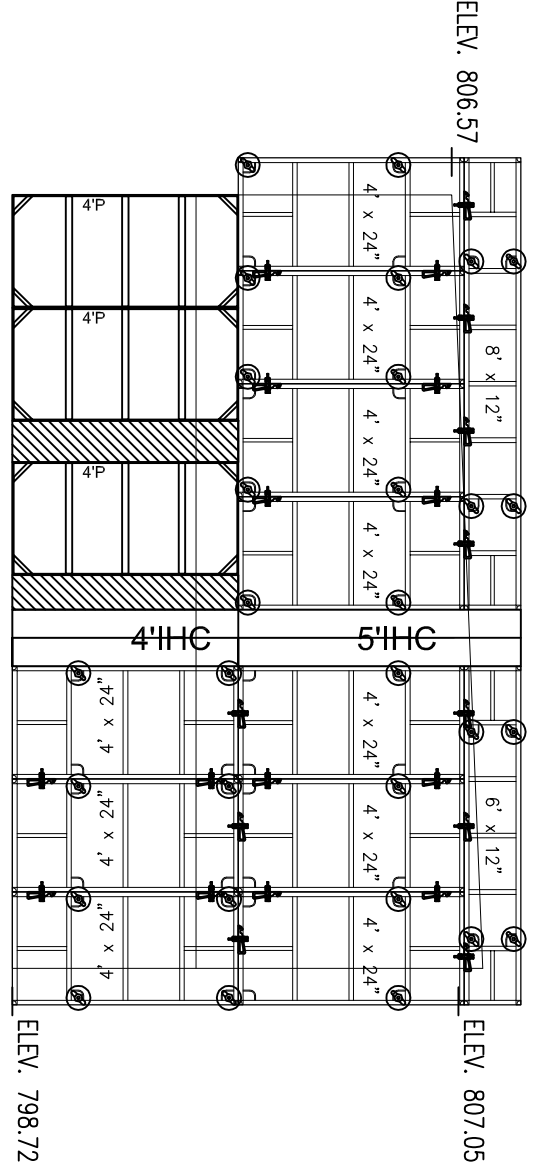
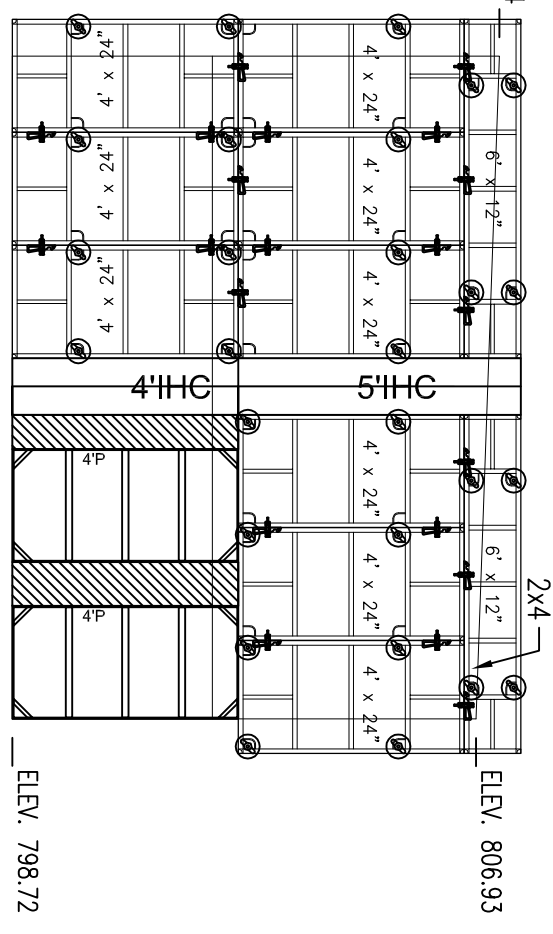
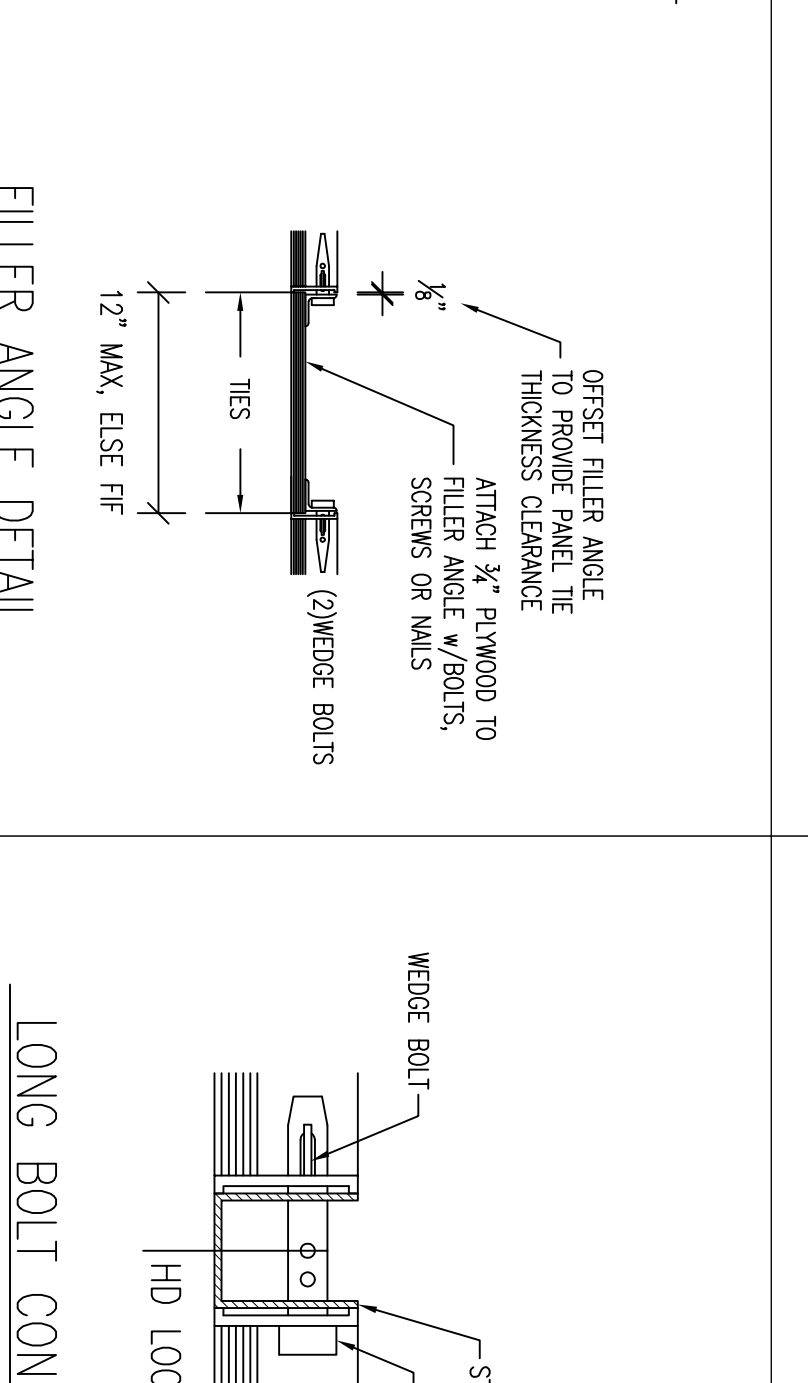
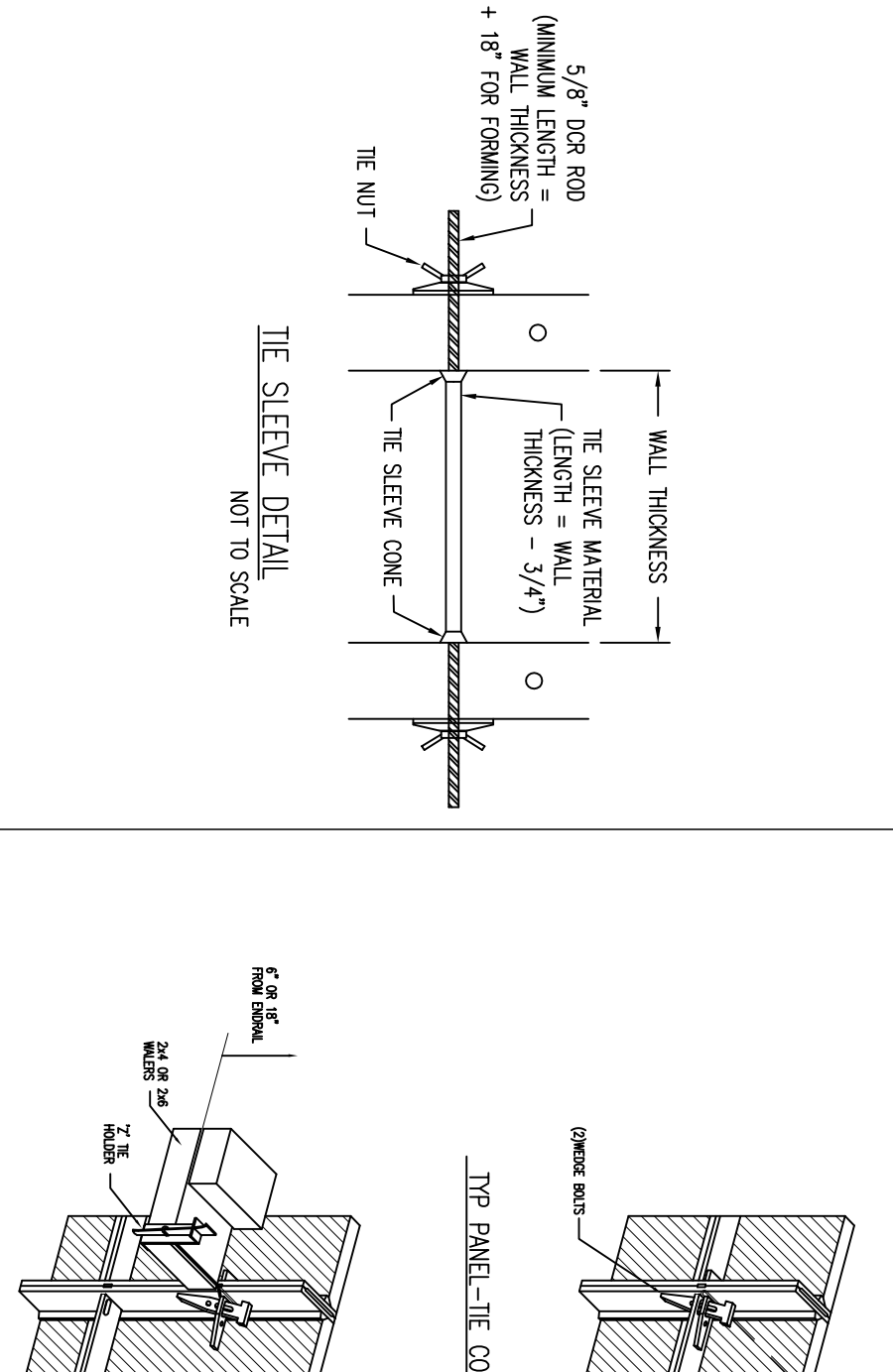
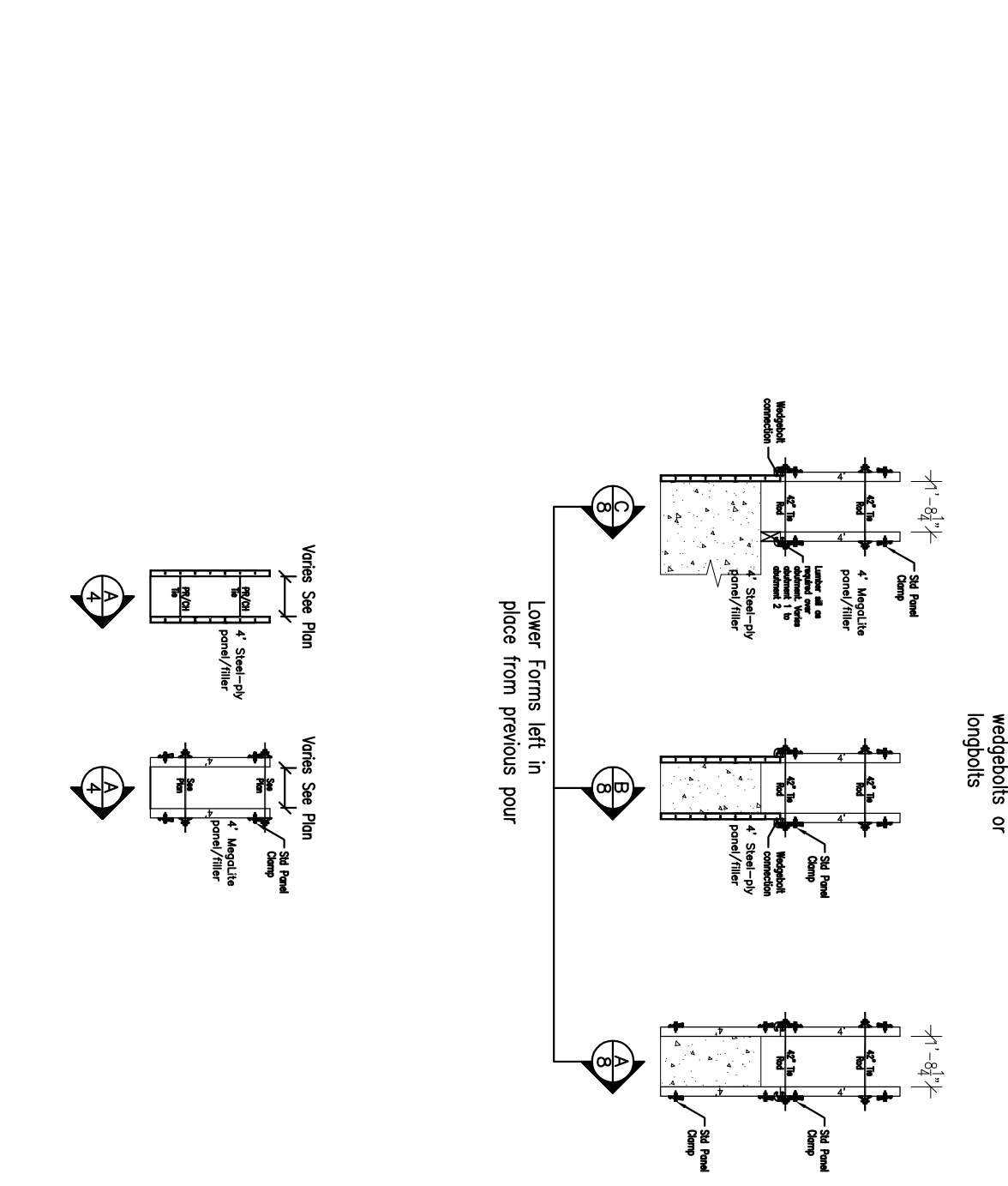
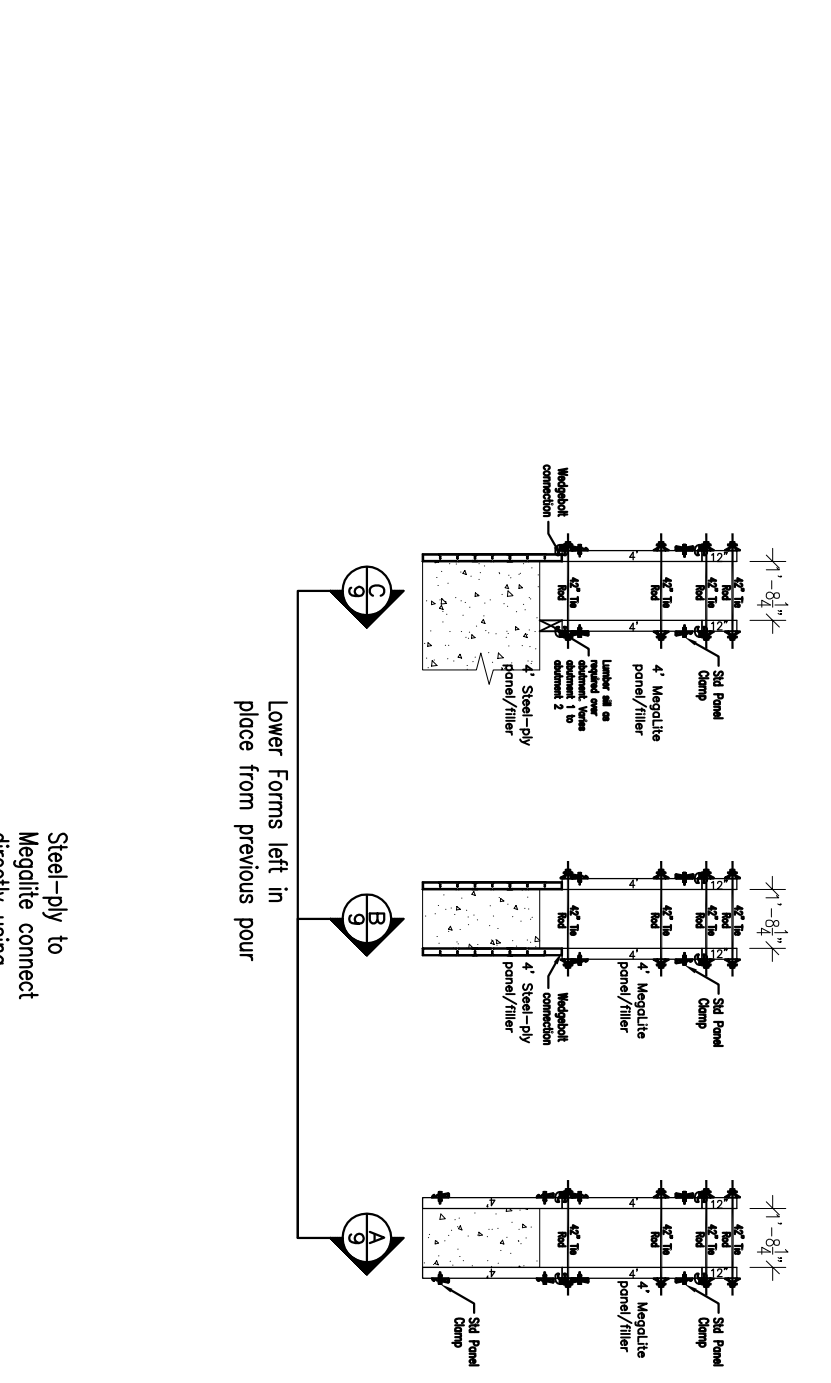
TITLE: Abutment 2 Plan

PROJECT: Park Quarry Road

LOCATION: Beaver County - Freedom Rd

CONTRACTOR: Bryon Construction

SCALE: DRAWING NO. 022017 SHEET REV.



Typical Abutment 2 Plan - Pour 2 4-Form

This drawing is intended to show equipment layout information and spacing. The actual equipment supplied for the project may differ from the equipment shown on this layout based on availability. Desuta Concrete Forms reserves the right to allow structurally acceptable substitute equipment as necessary.

WARNING		WARNING	
A.	Before using, setting up or taking down scaffolding, formwork, or shoring, check with your boss as to the safe use of the equipment. Do not use equipment without proper training and instructions.	B.	Do not use equipment without proper training and instructions.
SAFETY MUST COME FIRST			

TRACED	A	B	C	D
DRAWN	DL			
ENGINEER				
CHECKED				

DATE	A	B	C	D
DATE	07/20			
DATE	2017			
DATE				