

**GENERAL NOTES:**

1. Desuta Concrete Forms (DCF) has prepared these drawings based on information provided to DCF by the customer. These drawings are intended to illustrate a proper manner of use of the forms and are not to be construed as a guarantee of performance or liability. The customer shall be responsible for the design and construction of the forms and for the safety of the forms and the safety of the workers. The customer shall be responsible for the design and construction of the forms and for the safety of the forms and the safety of the workers. The customer shall be responsible for the design and construction of the forms and for the safety of the forms and the safety of the workers.

**FORMWORK DESIGN NOTES:**

A. Make & brace all formwork joints that are not tied. B. Use a minimum of 2x4's for all formwork. C. Do not attach scaffold brackets to formwork. D. Do not use steel bracing to formwork. E. Do not use steel bracing to formwork. F. Do not use steel bracing to formwork. G. Do not use steel bracing to formwork. H. Do not use steel bracing to formwork. I. Do not use steel bracing to formwork. J. Do not use steel bracing to formwork. K. Do not use steel bracing to formwork. L. Do not use steel bracing to formwork. M. Do not use steel bracing to formwork. N. Do not use steel bracing to formwork. O. Do not use steel bracing to formwork. P. Do not use steel bracing to formwork. Q. Do not use steel bracing to formwork. R. Do not use steel bracing to formwork. S. Do not use steel bracing to formwork. T. Do not use steel bracing to formwork. U. Do not use steel bracing to formwork. V. Do not use steel bracing to formwork. W. Do not use steel bracing to formwork. X. Do not use steel bracing to formwork. Y. Do not use steel bracing to formwork. Z. Do not use steel bracing to formwork.

**FORMWORK PRESSURE:**

This drawing is based on a maximum allowable concrete pressure of 1500 psf. The customer shall be responsible for the design and construction of the forms and for the safety of the forms and the safety of the workers. The customer shall be responsible for the design and construction of the forms and for the safety of the forms and the safety of the workers. The customer shall be responsible for the design and construction of the forms and for the safety of the forms and the safety of the workers.

**PRESSURE FORMULAS**

Rate less than 7 1/2 in./hr. Wall height < 14' : P = CwCt(150 + 9000R/T) Rate 7 1/2 in./hr. to 15 in./hr. or less than 7 1/2 in./hr. with wall height > 14' : P = CwCt(150 + 43400/T + 2800 R/T) NOTE: Max. pressure not to exceed w/c, min. allow pressure is 600 c/w. Do not use pressures in excess of w/c.

**LIST OF PRESSURE INCREASES**

Multiply value from pressure chart by unit weight and chemistry coefficients to obtain pressure for design of wall forms.  
 UNIT WEIGHT COEFFICIENT, Cw  
 Concrete weighing less than 140 pcf Cw = 0.5 (1 + w/145) but not less than 0.80  
 Concrete weighing 140 to 150 pcf Cw = 1.0  
 Concrete weighing more than 150 pcf Cw = w/145

**CHEMISTRY COEFFICIENT, Cc**

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  
 Brands containing more than 70% slag or 40% fly ash 1.4  
 \*Retarders include any admixtures such as retarders, retarding water reducers, or retarding medium or high-range water-reducing admixtures that delay the setting of concrete.

**FORMWORK TIES**

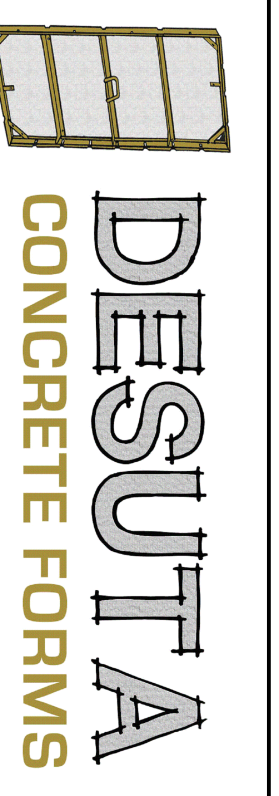
THE SAFE LOAD CAPACITY OF THE TIES USED IN THIS LAYOUT IS 3000# UNLESS NOTED OTHERWISE.  
 • (2:1 SAFETY FACTOR)

**LEGEND**

8B = 8" x 8" x 1/2" BRACKET  
 8C = 8" x 8" x 1/2" BRACKET  
 8D = 8" x 8" x 1/2" BRACKET  
 8E = 8" x 8" x 1/2" BRACKET  
 8F = 8" x 8" x 1/2" BRACKET  
 8G = 8" x 8" x 1/2" BRACKET  
 8H = 8" x 8" x 1/2" BRACKET  
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 8J = 8" x 8" x 1/2" BRACKET  
 8K = 8" x 8" x 1/2" BRACKET  
 8L = 8" x 8" x 1/2" BRACKET  
 8M = 8" x 8" x 1/2" BRACKET  
 8N = 8" x 8" x 1/2" BRACKET  
 8O = 8" x 8" x 1/2" BRACKET  
 8P = 8" x 8" x 1/2" BRACKET  
 8Q = 8" x 8" x 1/2" BRACKET  
 8R = 8" x 8" x 1/2" BRACKET  
 8S = 8" x 8" x 1/2" BRACKET  
 8T = 8" x 8" x 1/2" BRACKET  
 8U = 8" x 8" x 1/2" BRACKET  
 8V = 8" x 8" x 1/2" BRACKET  
 8W = 8" x 8" x 1/2" BRACKET  
 8X = 8" x 8" x 1/2" BRACKET  
 8Y = 8" x 8" x 1/2" BRACKET  
 8Z = 8" x 8" x 1/2" BRACKET

**PRELIMINARY FOR QUOTATION**

PRELIMINARY FOR APPROVAL BY CUSTOMER  
 WORKING DRAWING ISSUED FOR USE IN FIELD



**TITLE**  
 Abutment Plan

**PROJECT**  
 Park Quarry Road

**LOCATION**  
 Beaver County - Freedom Rd

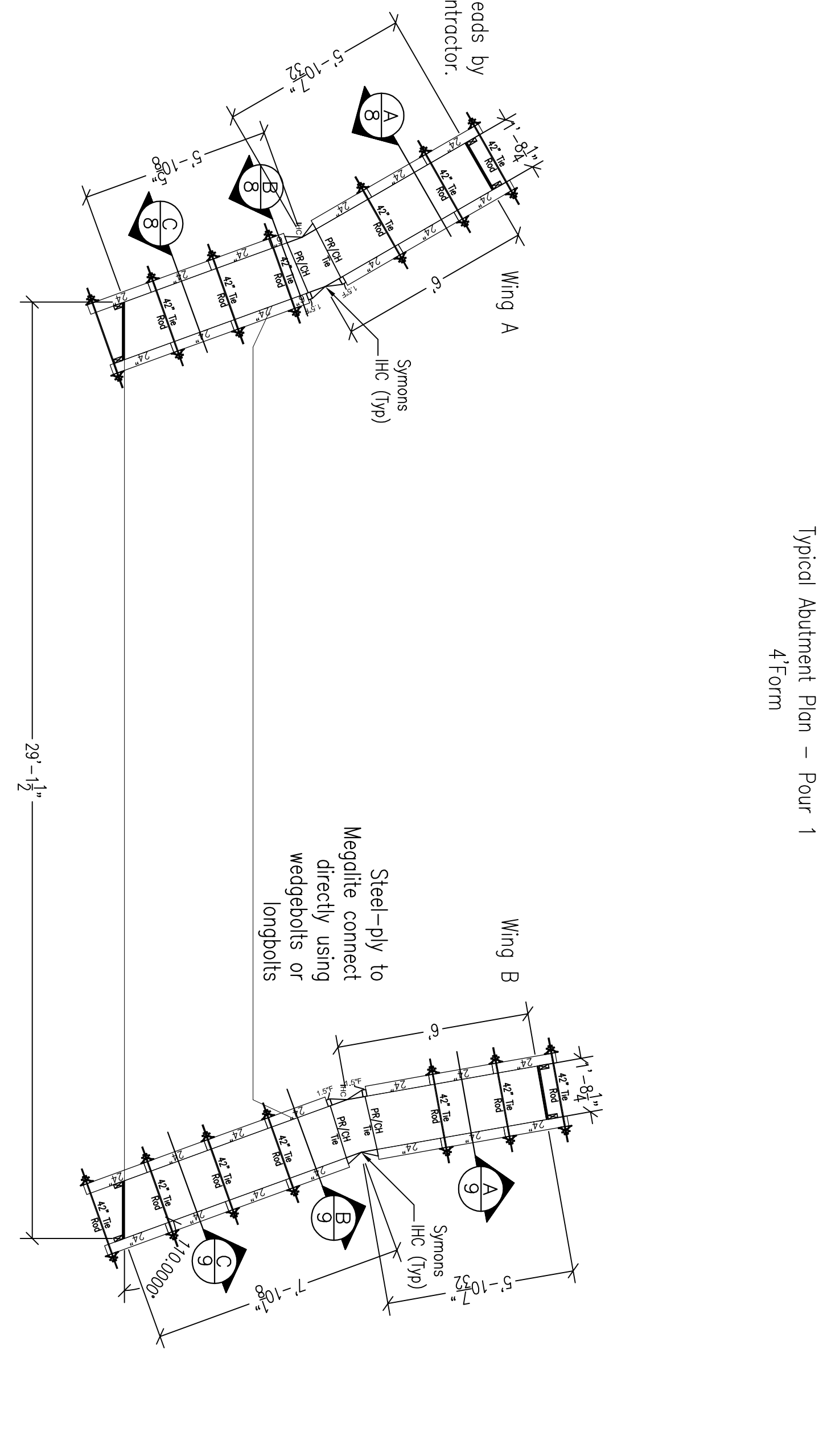
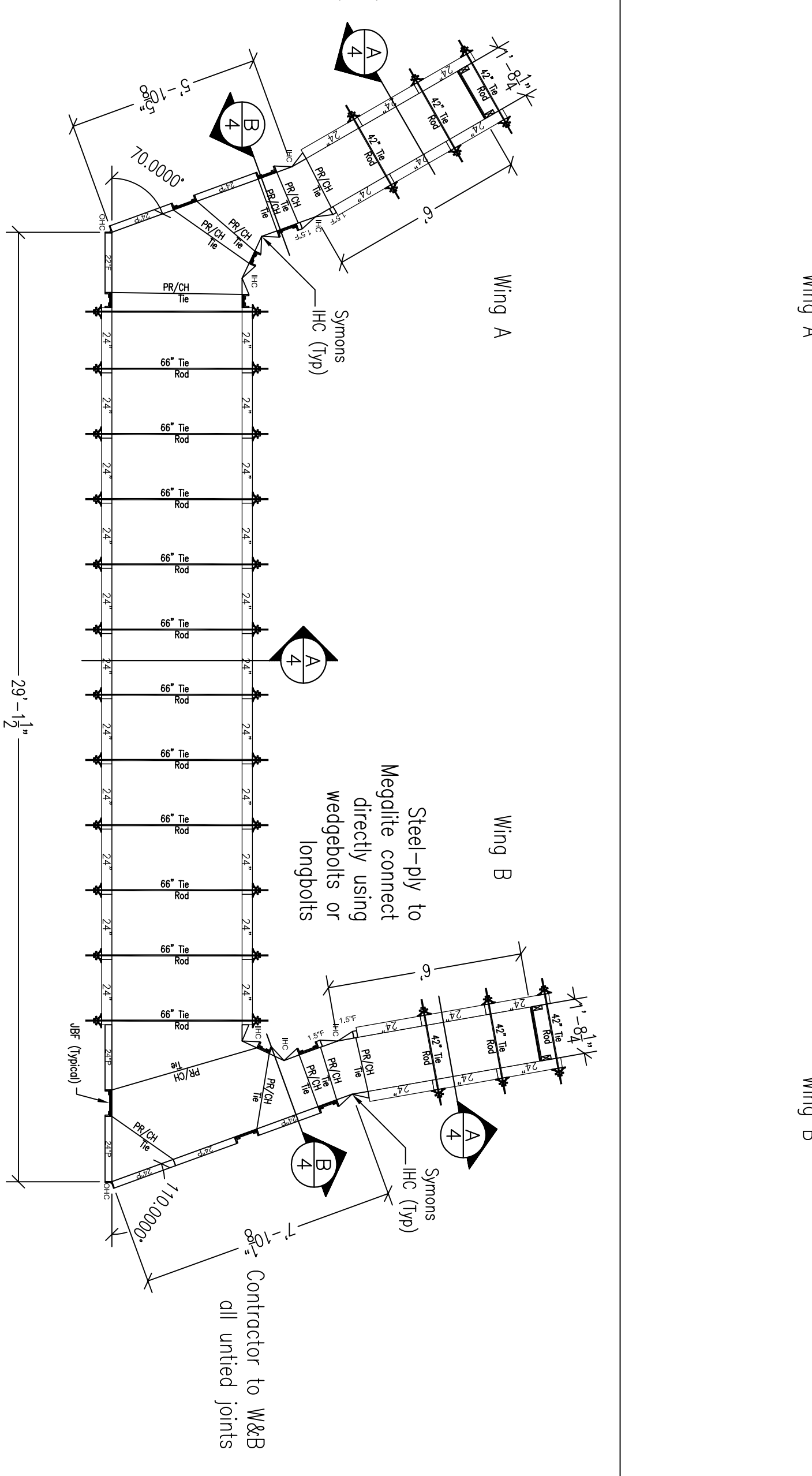
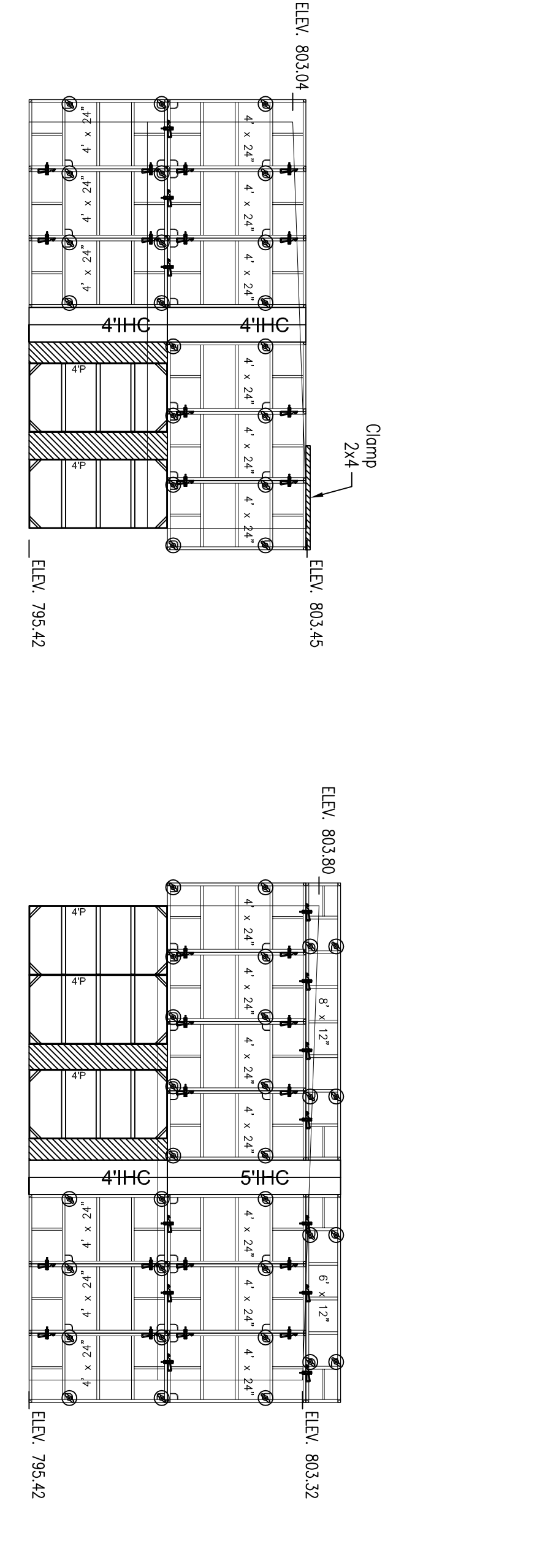
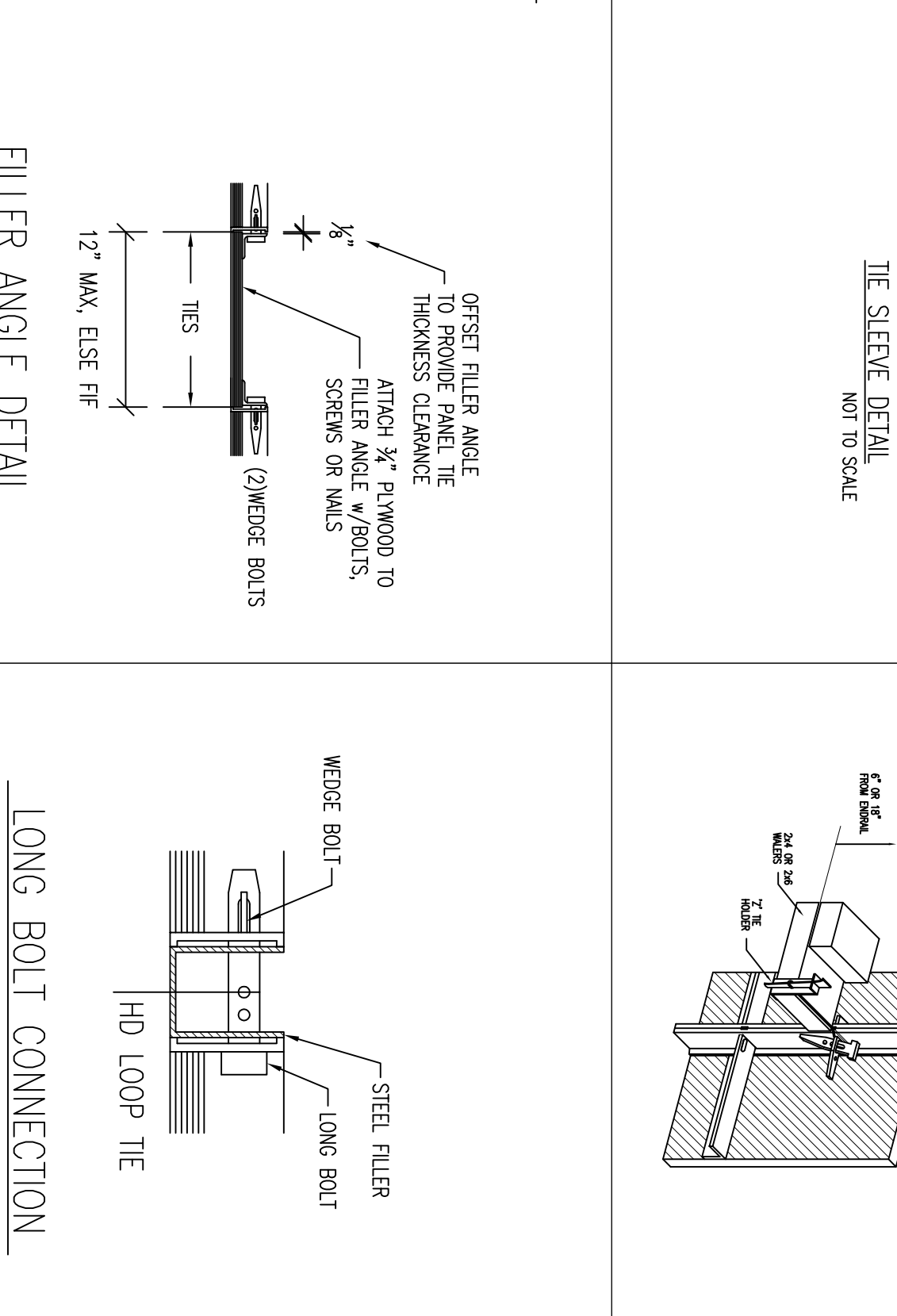
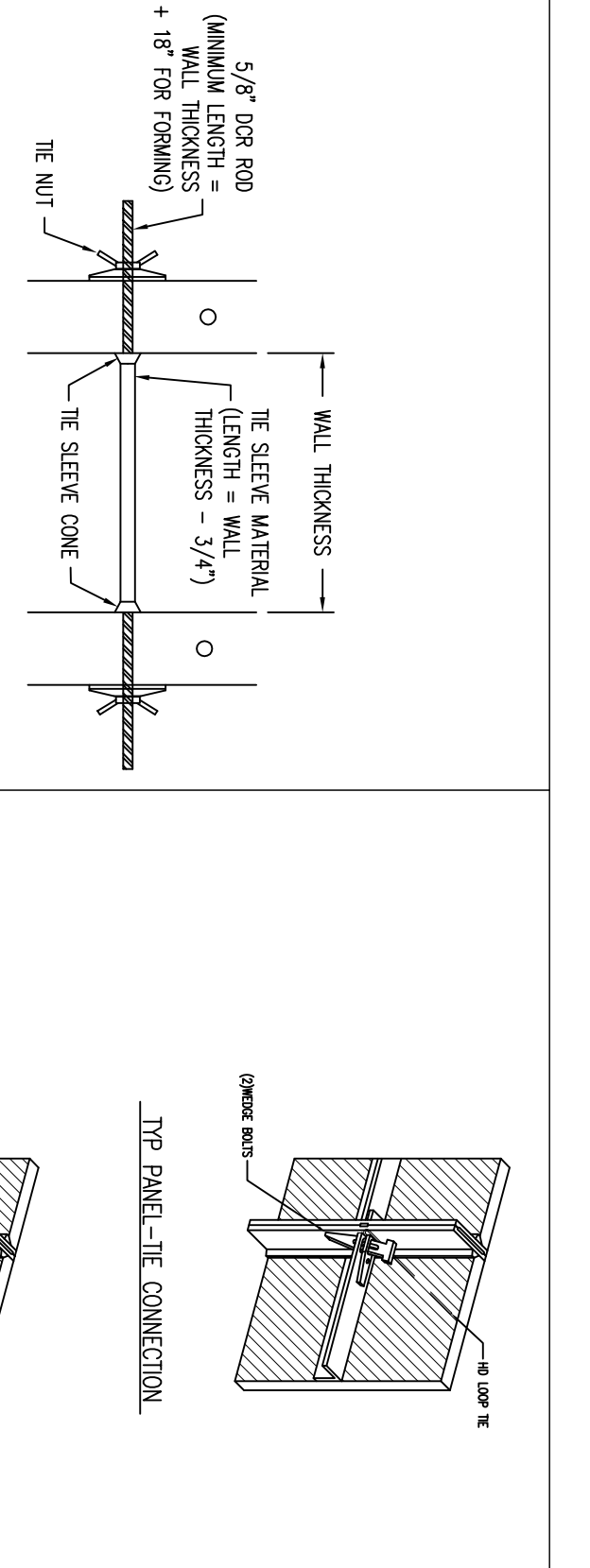
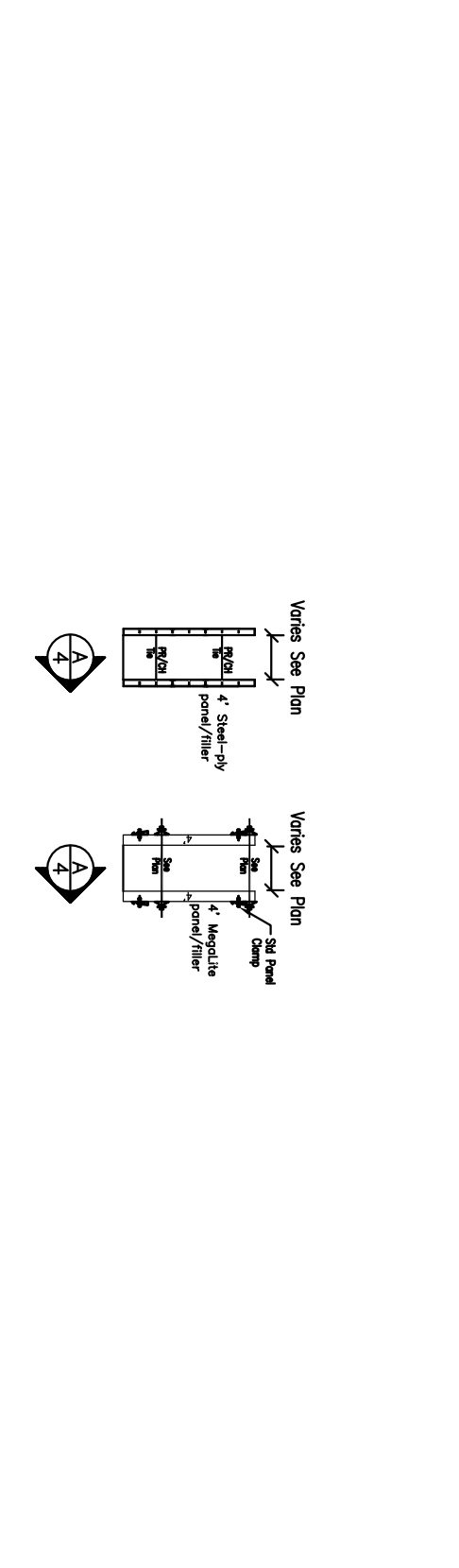
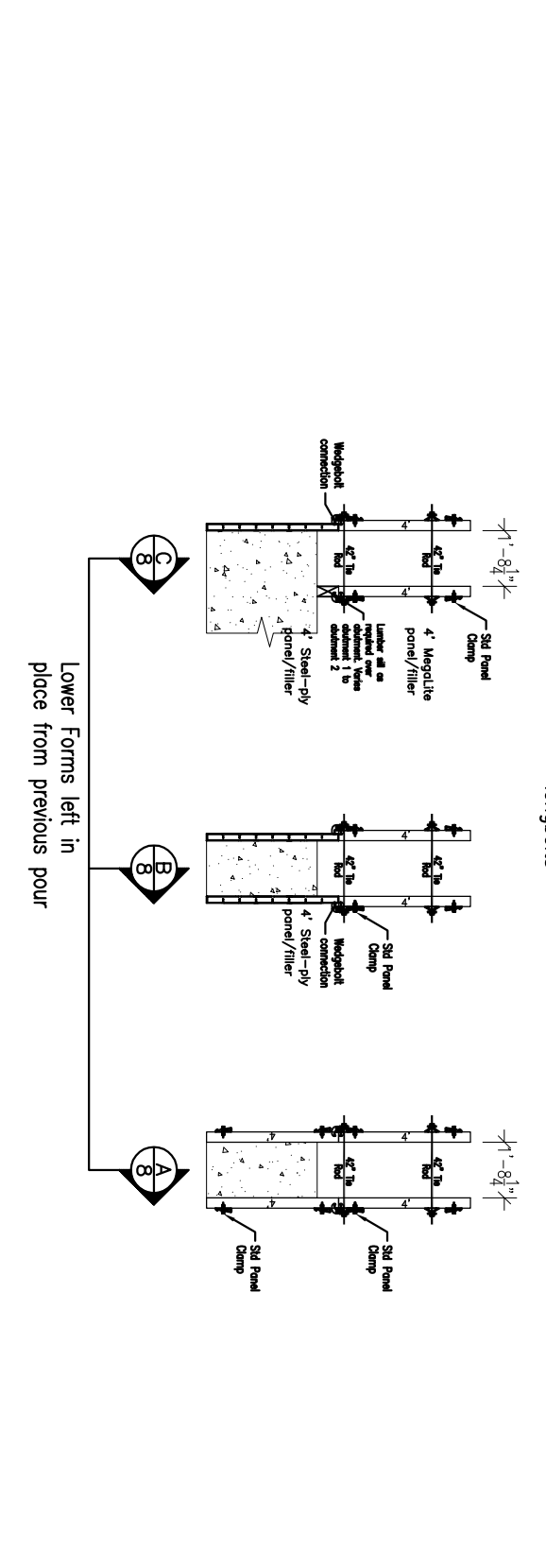
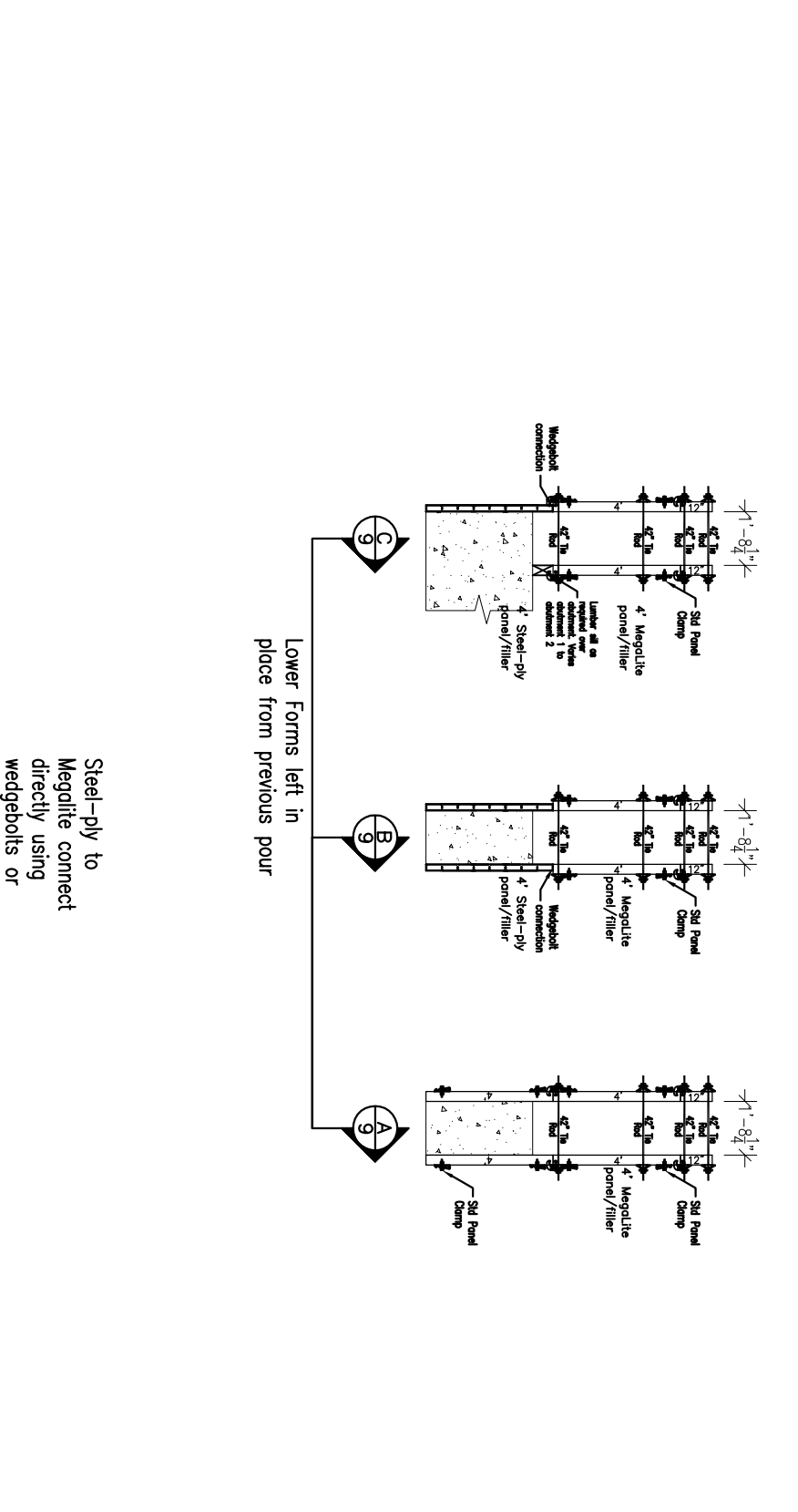
**CONTRACTOR**  
 Bryson Construction

**SCALE**  
 0"=1'-0"

**DRAWING NO.**  
 072017

**SHEET**  
 51

**REV.**



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**  
 Before using, setting up or taking down scaffolding, formwork, or shoring, check with your boss as to the safe use of the equipment. In accordance with safety design requirements and standards.  
**SAFETY MUST COME FIRST**

REV.	DESCRIPTION
A.	
B.	
C.	
D.	

TRACED	A	B	C	D	DATE
DRAWN					07/20
ENGINEER					2017
CHECKED					

SCALE	DRAWING NO.	SHEET	REV.
0"=1'-0"	072017	51	