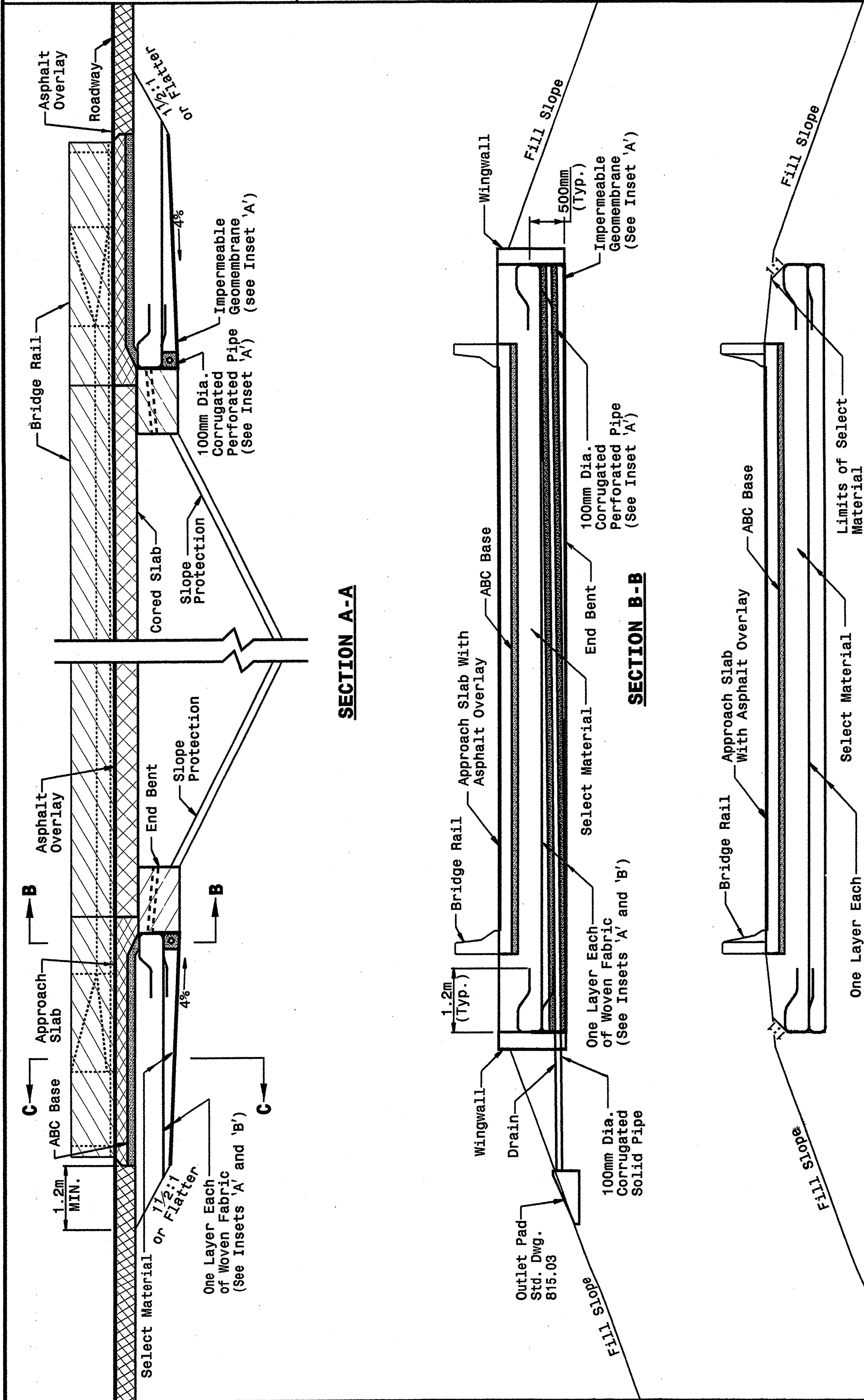


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STATE OF  
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 DIVISION OF HIGHWAYS  
 RALEIGH, N.C.

METRIC DETAIL DRAWING FOR  
**REINFORCED BRIDGE APPROACH FILLS**  
 CORED SLAB BRIDGES

SHEET 3 OF 4  
**422D10**



Note:  
 This drawing is dimensioned in millimeters unless otherwise depicted within the drawing.

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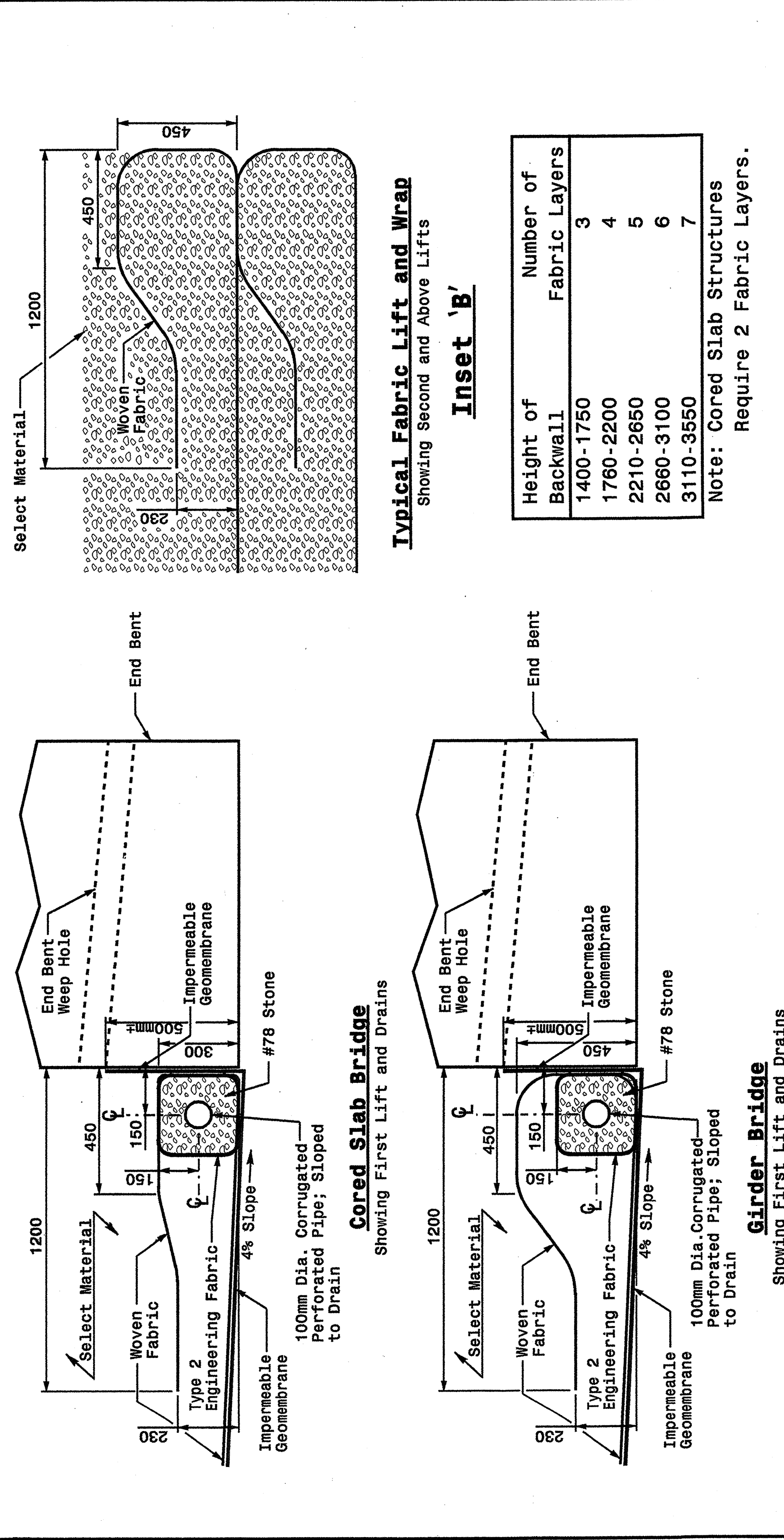
METRIC DETAIL DRAWING FOR  
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SHEET 3 OF 4  
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METRIC DETAIL DRAWING FOR  
**REINFORCED BRIDGE APPROACH FILLS**  
 INSETS AND CHARTS

SHEET 4 OF 4  
**422D10**

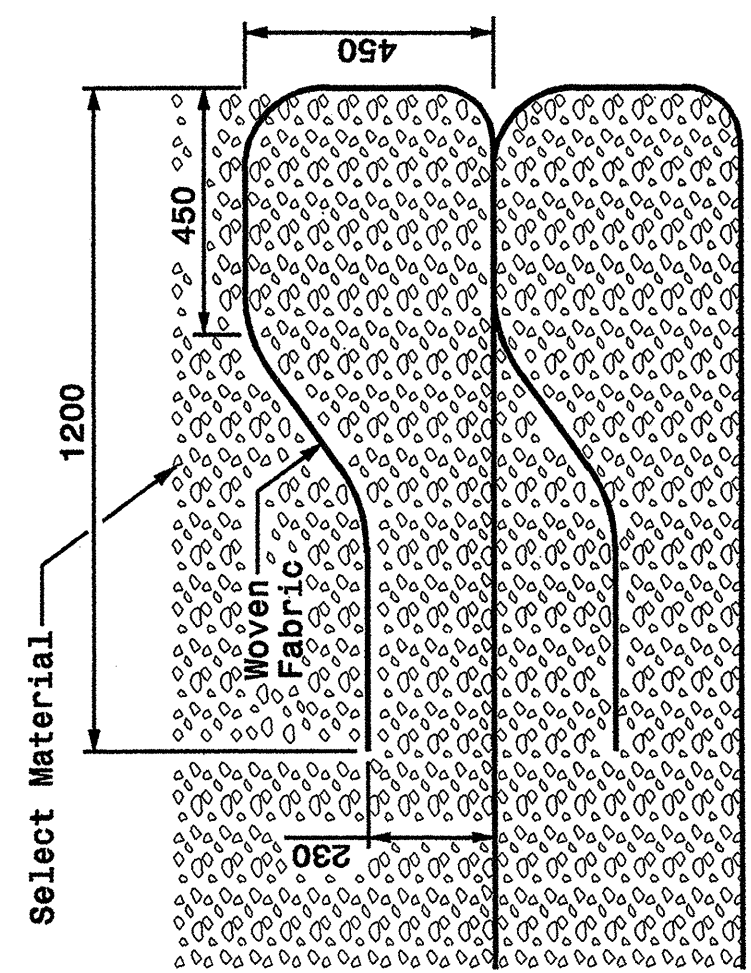


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METRIC DETAIL DRAWING FOR  
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 INSETS AND CHARTS

SHEET 4 OF 4  
**422D10**



**Typical Fabric Lift and Wrap**  
 Showing Second and Above Lifts

**Inset 'B'**

Height of Backwall	Number of Fabric Layers
1400-1750	3
1760-2200	4
2210-2650	5
2660-3100	6
3110-3550	7

Note: Cored Slab Structures Require 2 Fabric Layers.

**Inset 'A'**

Length of Bridge End Bent Inside Wingwalls  
 If Bridge Skew is Less Than or Equal to 90°:  

$$\frac{(\text{Roadway Width} + 2140\text{mm}) \sin(\text{Bridge Skew Angle})}{\cos(\text{Bridge Skew Angle} - 90^\circ)} = \text{Dis. Between Wingwalls}$$
  
 If Bridge Skew is Greater Than 90°:  

$$\frac{(\text{Roadway Width} + 2140\text{mm})}{\cos(\text{Bridge Skew Angle} - 90^\circ)} = \text{Dis. Between Wingwalls}$$

DESIGN SERVICES UNIT  
 STANDARDS AND SPECIAL DESIGN  
 Office 919-250-4128 FAX 919-250-4119

**SEE PLATE FOR TITLE**

ORIGINAL BY: 2002 STANDARDS DATE: 01-15-02  
 MODIFIED BY: E.E. WARD DATE: 03-26-03  
 CHECKED BY: J. J. FORTNEY DATE: 3-27-03  
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