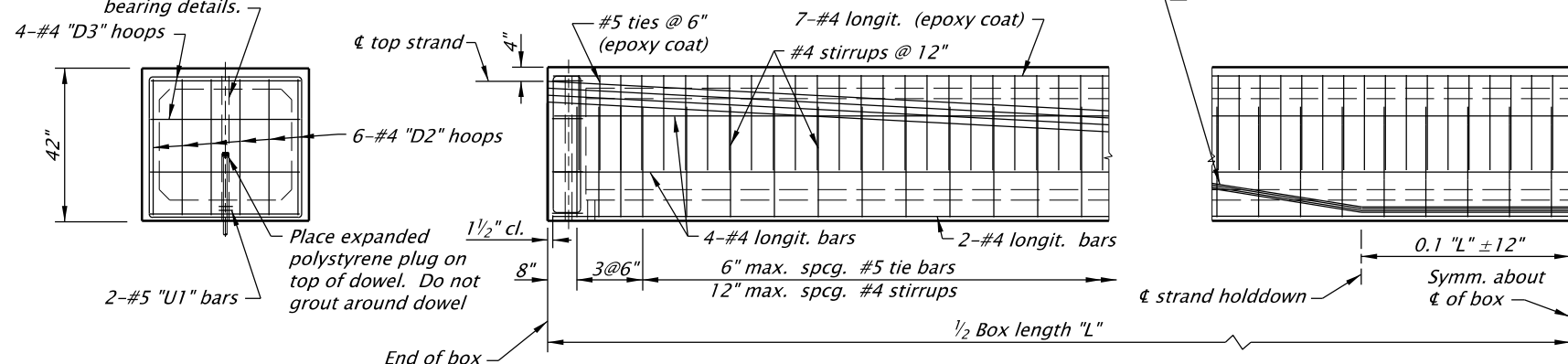




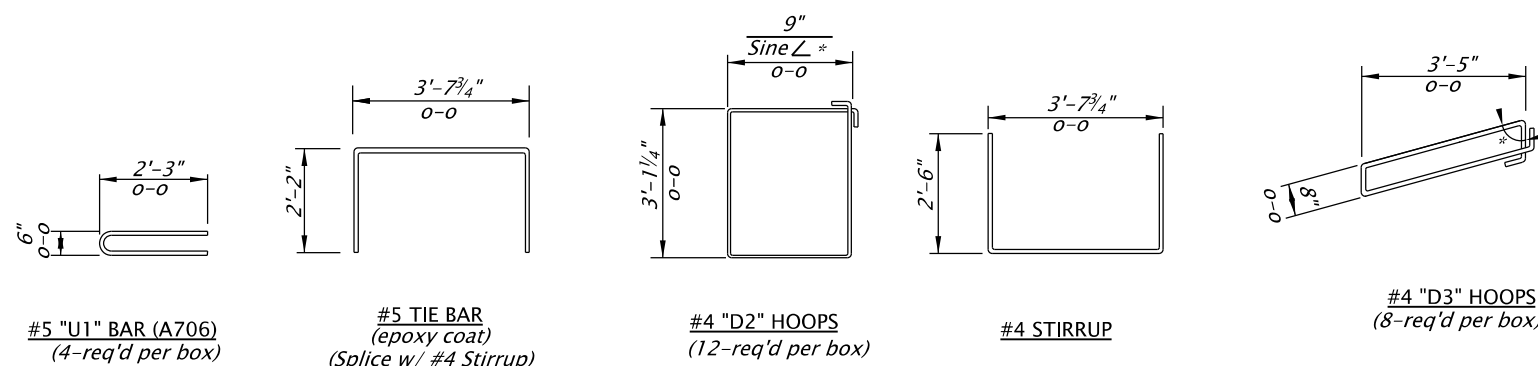
Note
Cut transverse bars
as required by skew

2" dia. hole for 1 1/4" x 2'-3" dowel. See Project Plans for bearing details. ▽



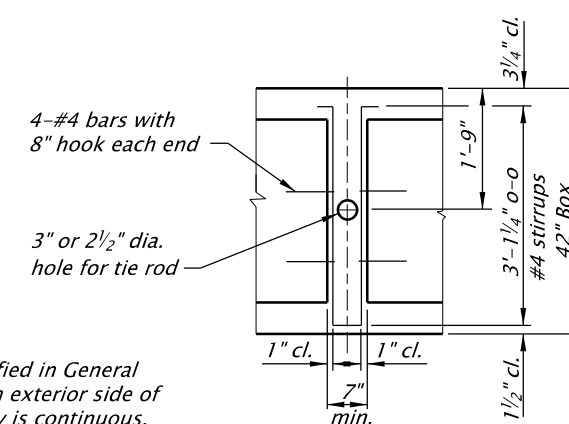
END ELEVATION

PARTIAL ELEVATION FOR NORMAL BOX



*Angle is acute angle between box $\angle$ and end beam $\angle$

#4 "D3" HOOPS
(8-req'd per box)



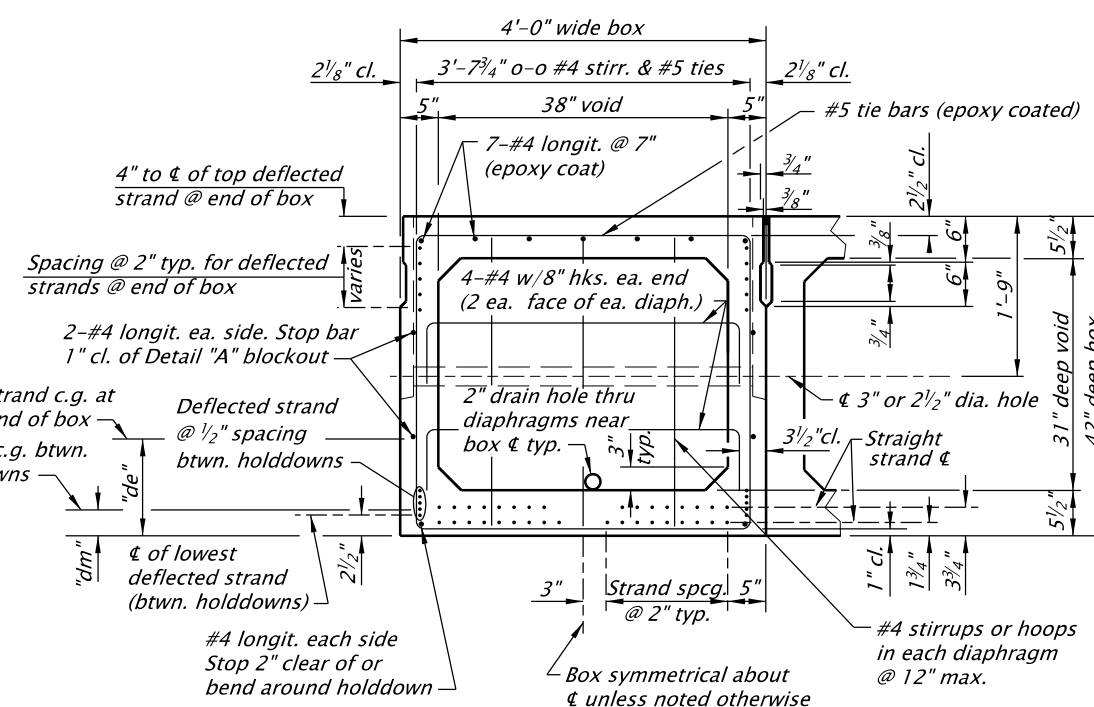
DIAPHRAGM BEAM

Note
Grout keyway as specified in General Notes. Omit keyway on exterior side of exterior boxes. Keyway is continuous.

SECTION PROPERTIES

SECTION 11 PROPERTIES
 Area = 843 in²
 c.g. = 20.78 in
 I = 203,050 in⁴
 St = 9567 in³
 Sb = 9772 in³
 Weight = 915 lbs/ft
 (Box weight of 155 lbs/ft)³
 plus stay-in-place form
 weight of 8 lbs/ft)
 J = 354,400 in⁴
 K = 0.86

Note
St. Venant's torsional
inertia is based on a
refined section analysis.



TYPICAL SECTION

Accompanied by dwg. BR445

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

All materials shall be in accordance with the current Oregon Standard Specifications.

42" PRECAST PRESTRESSED BOX

2024

DATE	REVISION DESCRIPTION
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CALC. BOOK NO. - - - - -	N/A - - - - -	SDR DATE - - - - -	20-APR-2018
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BR435