

THE GLEN AT WIDEFIELD -POA ANNUA INTERSECTION

EL PASO COUNTY

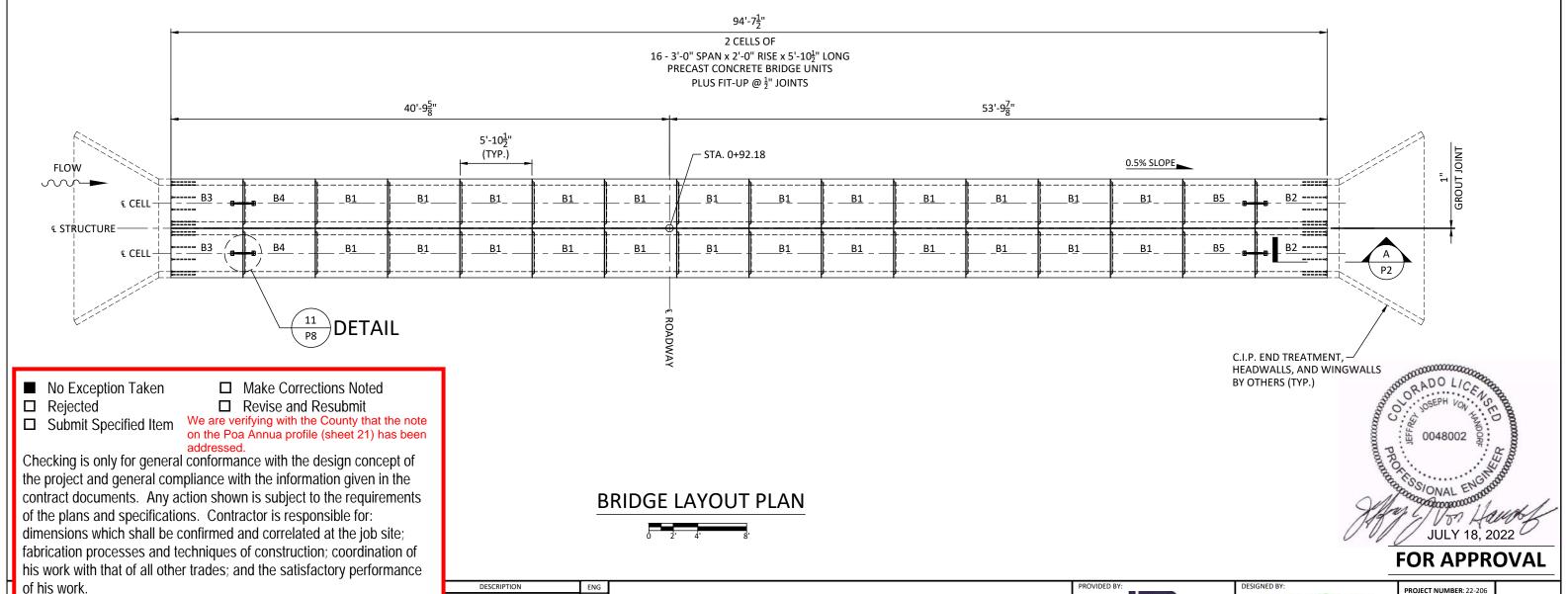
COLORADO

DESIGN NOTES

1. THIS STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS "LRFD BRIDGE DESIGN SPECIFICATIONS", 9TH EDITION AND INTERIM SPECIFICATIONS TO DATE. DESIGN LOADS ARE AS FOLLOWS:

BRIDGE UNITS: HL-93 DESIGN FILL HEIGHT: 0" MIN. TO 2'-0" MAX. **HEADWALLS: DESIGNED BY OTHERS** WINGWALLS: DESIGNED BY OTHERS

- 2. CONFORMANCE TO THESE DRAWINGS, SPECIFICATIONS, AND EXISTING CONDITIONS, INCLUDING HYDRAULIC CAPACITY, SCOUR, GRADING AND SOIL CONDITIONS SHALL BE VERIFIED BY OTHERS.
- 3. THE ENGINEER HAS NOT BEEN RETAINED OR COMPENSATED TO SHALL NOT BE CONSTRUED AS SUPERVISION OF ACTUAL CONSTRUCTION NOR MAKE HIM RESPONSIBLE FOR PROVIDING A SAFE PLACE FOR THE PERFORMANCE OF THE WORK BY THE CONTRACTOR, SUB-CONTRACTOR OR ANY PERSON ON THE SITE.



Kiowa Engineering Corporation

Date: July 19, 2022

LOCALE: EL PASO COUNTY

THE GLEN AT WIDEFIELD - POA ANNUA **INTERSECTION**



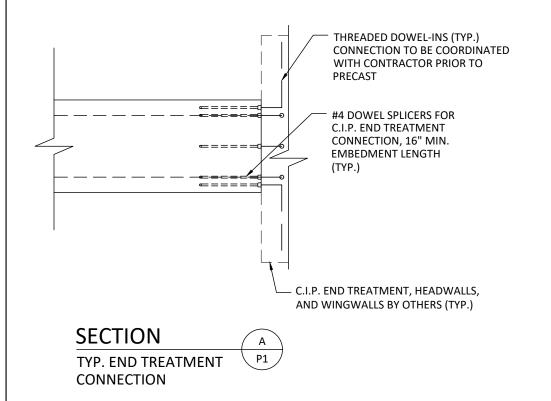
719.392.9036

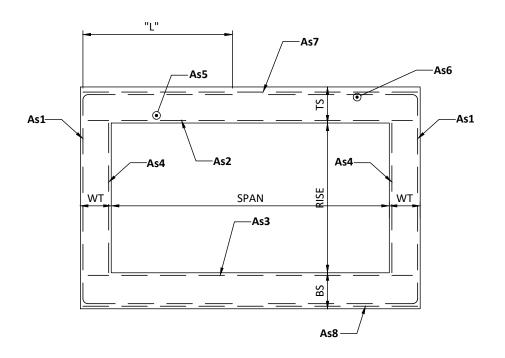
PRETEK GROUP

PROJECT NUMBER: 22-206 DATE: 7/14/2022 DESIGNED BY: HAA

CHECKED BY: TEN







BOX CULVERT REINFORCING SECTION

DESIGN DATA:

- THIS STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS "LRFD BRIDGE DESIGN SPECIFICATIONS", 9TH EDITION AND INTERIM SPECIFICATIONS TO DATE.
- 2. CORE STRENGTH OF CONCRETE SHALL BE 6,000 PSI MINIMUM AT 28 DAYS.
- REINFORCING STEEL SHALL BE WELDED WIRE FABRIC WITH A MINIMUM YIELD STRENGTH OF 65,000 PSI.
- 4. DESIGN LOAD: HL-93
- 5. SKEW ANGLE: N/A
- 6. 2" COVER ON ALL SURFACES.
- 7. D.E.C. 0'-0" TO 2'-0"

SECTION CHARACTERISTICS:

SPAN: 3'-0" RISE: 2'-0"

WT: 6" (WALL THICKNESS)

TS: 6" (TOP SLAB)

BS: 6" (BOTTOM SLAB)

AREA OF STEEL REQUIRED: (IN2/FT)

As1 = 0.45As2 = 0.30

As2 = 0.30As3 = 0.24

As4 = 0.15

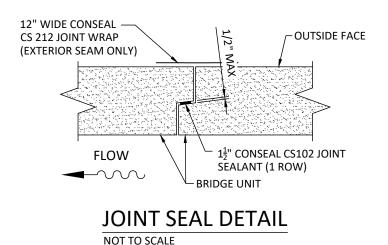
As5 = 0.15

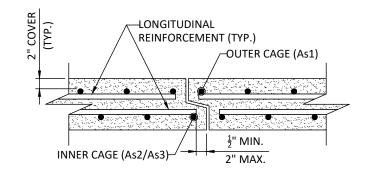
As6 = 0.03 (MIN)*

As7 = 0.15

As8 = 0.15

L = 2'-7"

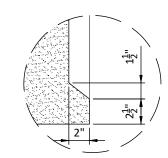


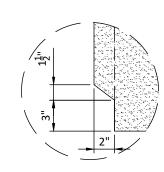


JOINT REINFORCING DETAIL

LOCALE: EL PASO COUNTY

NOT TO SCALE





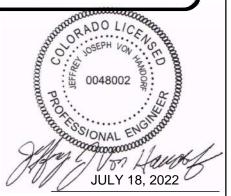
BELL DETAIL

STATE: CO

SPIGOT DETAIL

*NOTE:

CIRCUMFERENTIAL WIRES TO HAVE 2" MIN. SPACING, 4" MAX. LONGITUDINAL WIRES TO BE SPACED NO MORE THAN 8" AND BE SIZED AT LEAST 40% OF THE LARGER WIRE SIZE (W2.5 OR D2.5). STEAL AREAS SHOWN ARE MINIMUMS REQUIRED. ADJUST MAT WIDTH AS REQUIRED DUE TO NON-STANDARD SECTION LENGTHS AND/OR END UNITS WITH KEYWAY ON ONLY THE END.



FOR APPROVAL

DATE DESCRIPTION ENG

D

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719.392.9036



P.O. BOX 351

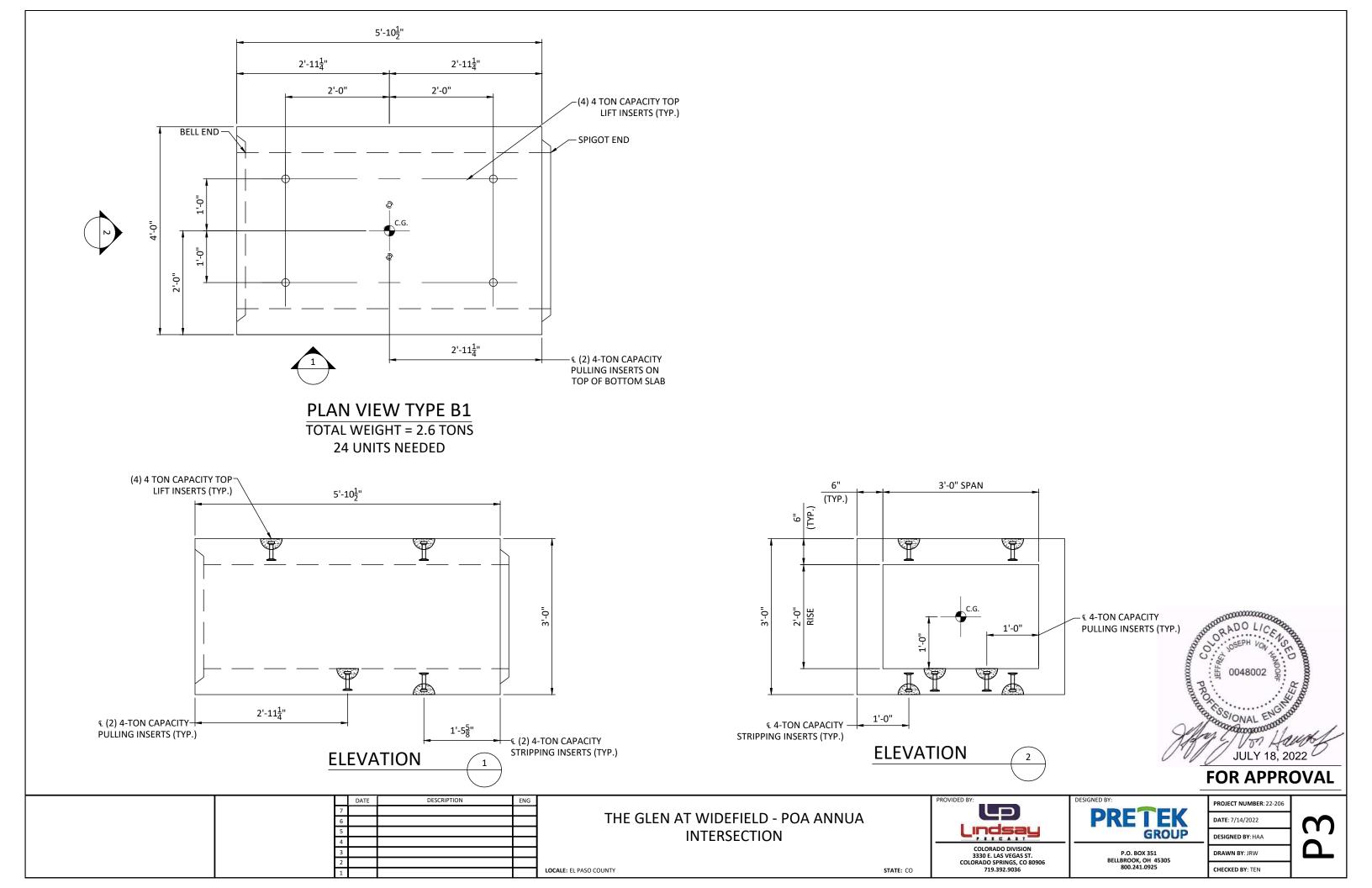
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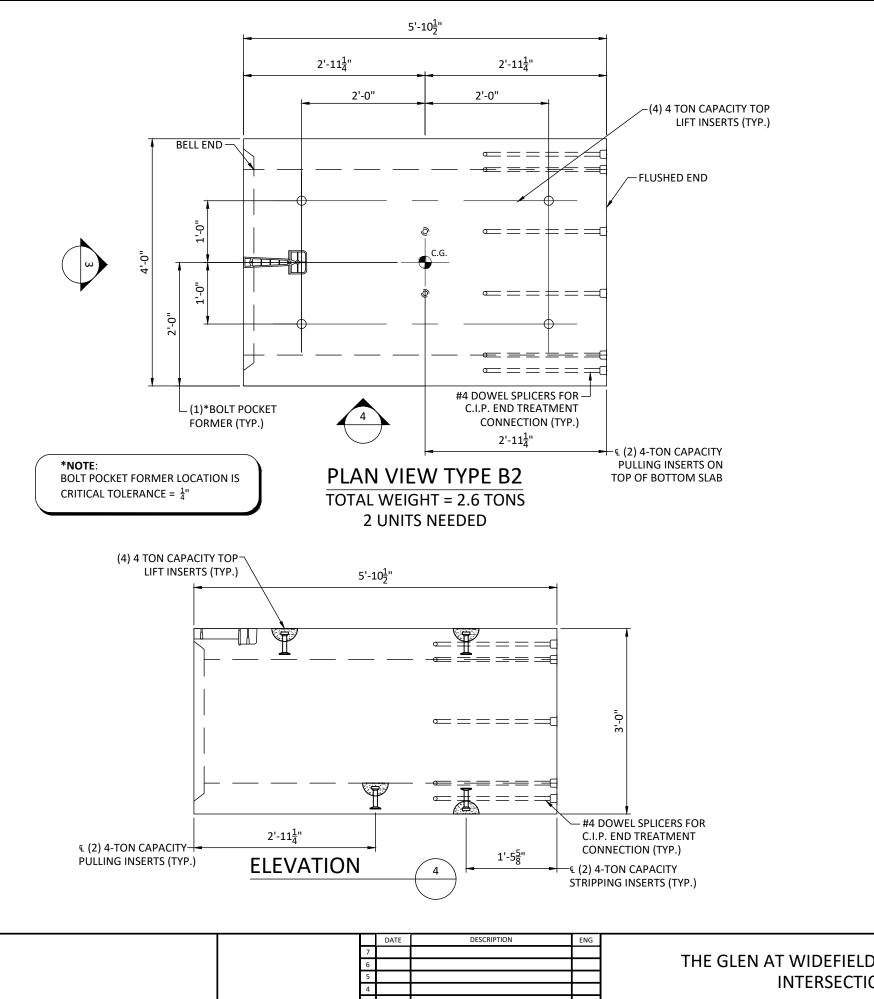
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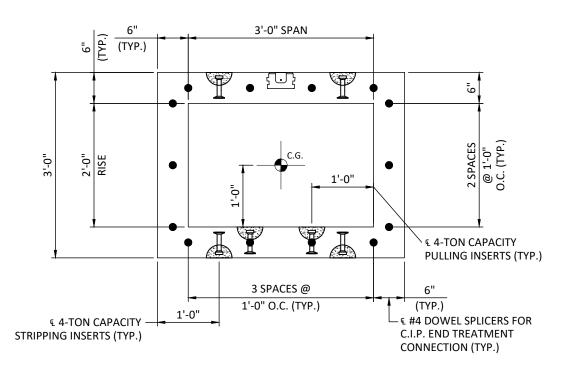
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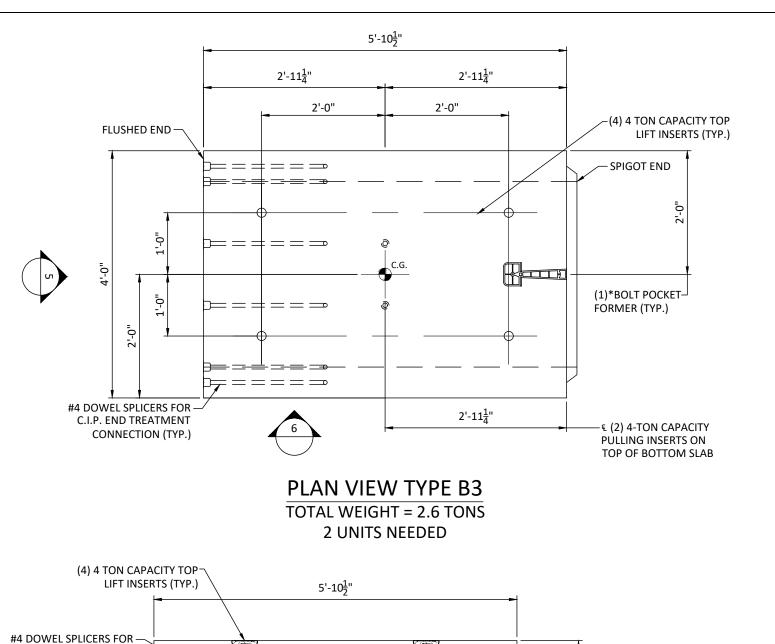


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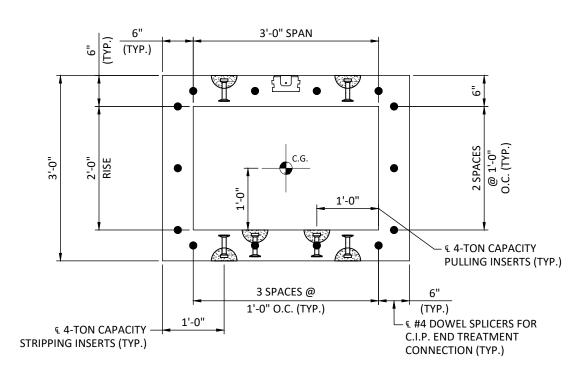


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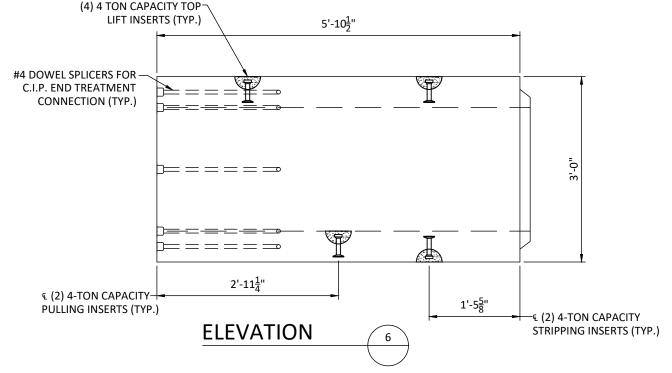
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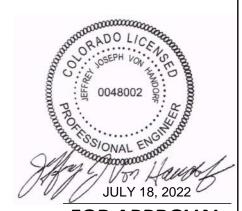


*NOTE: BOLT POCKET FORMER LOCATION IS CRITICAL TOLERANCE = $\frac{1}{4}$ "



ELEVATION 5





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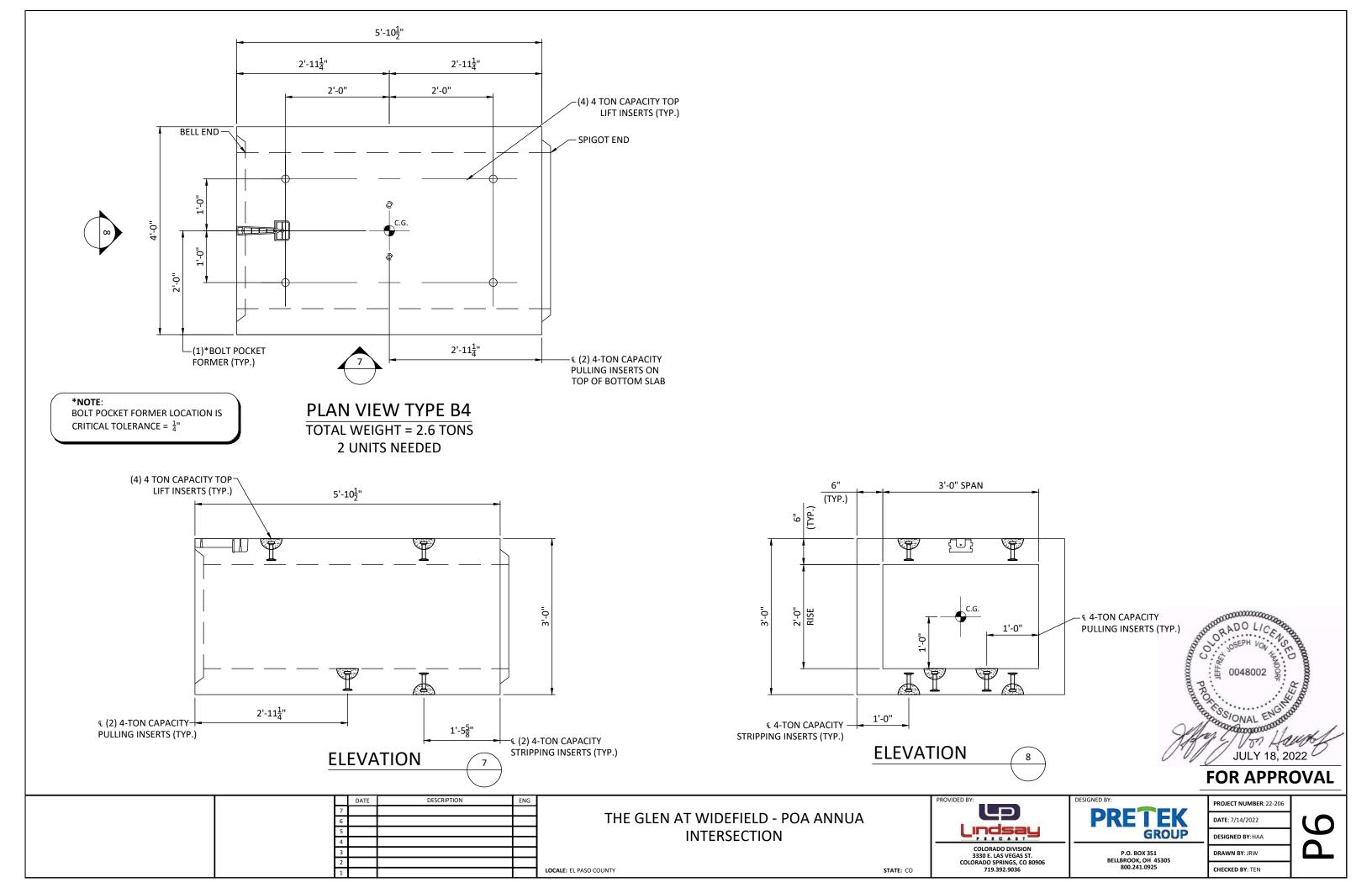
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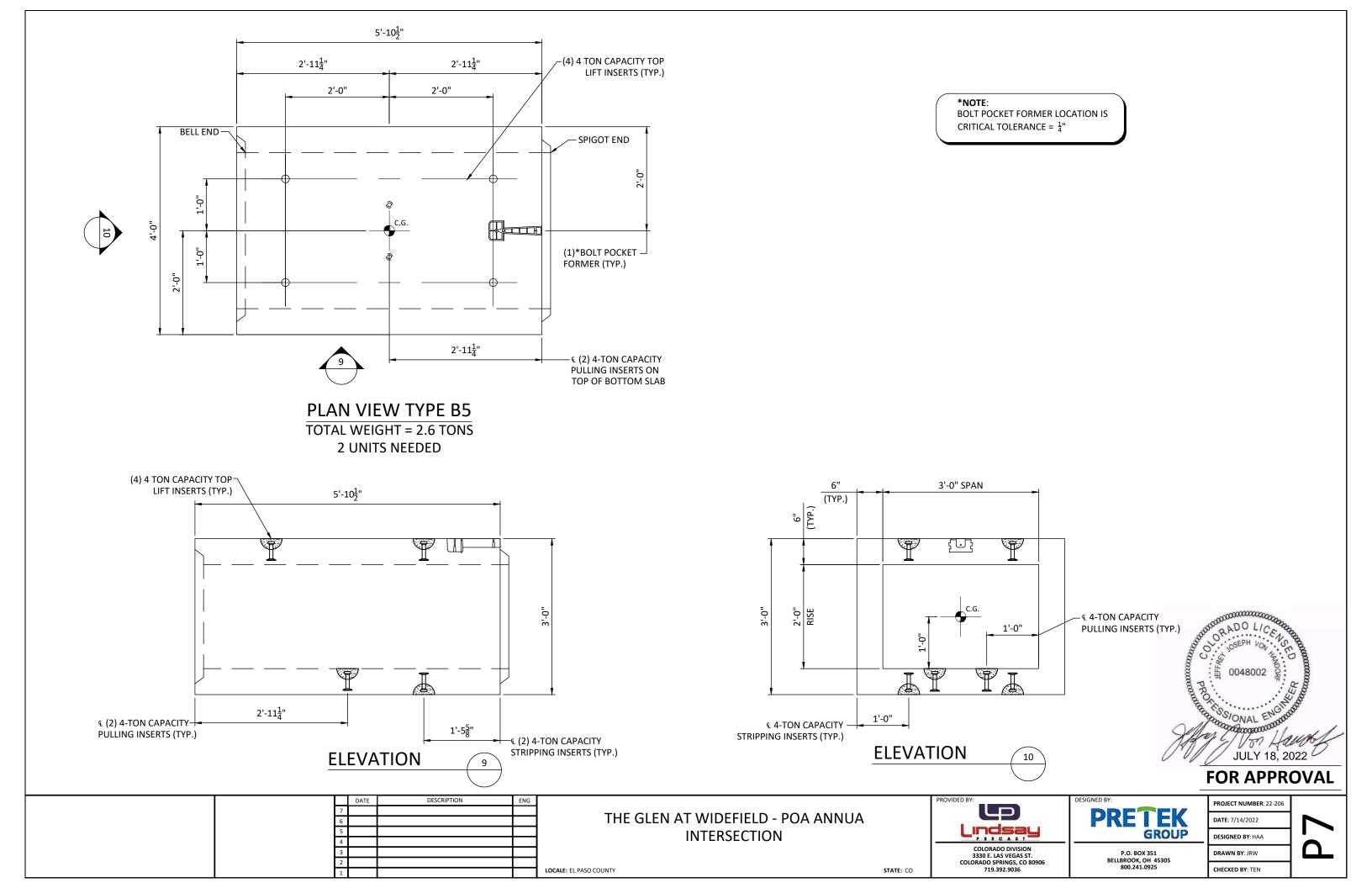
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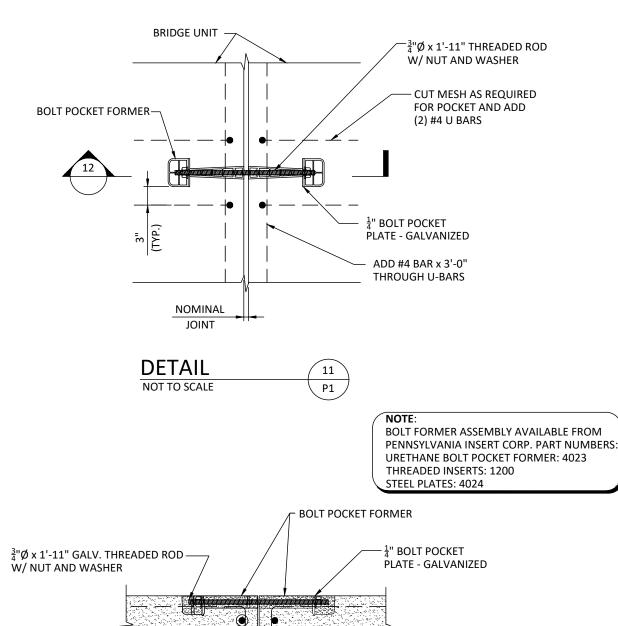
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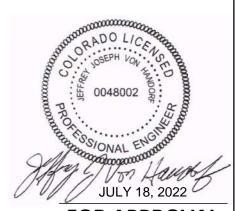
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P5









FOR APPROVAL

		DATE	DESCRIPTION	ENG
	7			
	6			
	5			
	4			
	3			
	2			
	4			

ADD #4 BAR x 3'-0"-THROUGH U-BARS

SECTION

UNITS.

LOCALE: EL PASO COUNTY

NOTE: POSITION OF BOLT POCKET FORMER IS CRITICAL. LOCATE WITHIN $\frac{1}{4}$ " OF § SHOWN ON ADJACENT BRIDGE

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´ 12 `

BRIDGE UNIT

- CUT MESH AS REQUIRED FOR POCKET AND ADD (2) #4 U BARS —



STATE: CO

PRETEK GROUP

P.O. BOX 351
BELLBROOK, OH 45305
800.241.0925

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