(5) 1" Ø x 8' TIE RODS

(30) 1"ø HEX NUTS

(64') 7 STRAND JUTE

(208) 11/4" HEX NUTS

(208) WASHERS

(AS REQD.) INTERPLAST - N

 $(104) \ 1^{1/4}$ $\% \times 8$ STUDS (All Thrd)

(8) W6 X 25 APPROACH POSTS

(30) 1/2" x 4" SQ. PLATE WASHERS

(12) 1"ø x 4'-6" DOWEL RODS (SMOOTH-A311)

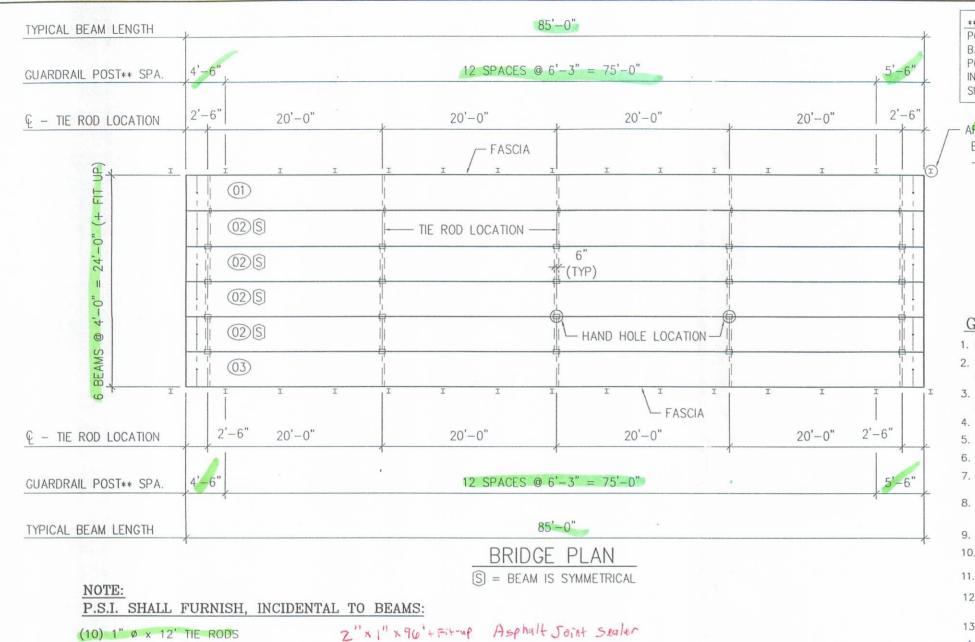
(24) 1" x 10" x 1'-8" ELASTOMERIC BEARING PADS (24) 1/8" x 10" x 1'-8" PREFORMED SHIM PADS

(175' LF) STD. DEEP BEAM GUARDRAIL (SHIP LOOSE)

(175' LF) STD. TUBULAR BACK-UP (SHIP LOOSE)

(12) 1" x 6" SQ. PEJF GROUT RETAINERS

26 ODOT TYPE 2 POSTS, INSTALLED USING:



7 strand @ Melbourne

8 strand @ decator

Length of Beam x # Beams

Strands

** GUARDRAIL NOTE: POSTS, RAIL, TUBULAR BACK-UP & (8) APPROACH POSTS BY PSI. SHIP POSTS INSTALLED REMAINDER SHIPPED LOOSE

APPROACH POSTS BY PSI (8 REQD. - SHIP LOOSE)



MARK NO.	NO. REQD.	WEIGHT	SHIPPING		
01	States .	89,929 LBS.	47 TON		
02	4	88,343 LBS.	46 TON		
03	1	89,929 LBS.	47 TON		

GENERAL NOTES:

- 1. MANUFACTURE BEAMS IN ACCORDANCE WITH ODOT SPECIFICATIONS.
- 2. MINIMUM CONCRETE STRENGTH @ RELEASE OF STRAND = 5,000 P.S.I MINIMUM CONCRETE STRENGTH @ 28 DAYS = 7,000 P.S.I
- 3. STRAND SHALL BE (7) WIRE, UNCOATED, LOW RELAXATION, 1/2" DIA. "OVERSIZE" 270 K.S.I. ULTIMATE STRENGTH, ASTM A-416. (A = 0.167 SQ. IN.)
- 4. PULL EACH STRAND TO 33,818 LBS.
- 5. STEEL GRADE 60, A.S.T.M. A-615.
- 6. HS25 & THE ALTERNATE MILITARY LOADING.
- 7. ALL ANCHOR BOLTS, STUDS, INSERTS, TIE RODS, NUTS, & WASHERS SHALL BE GALVANIZED, PER ODOT SPECIFICATIONS.
- 8. KEYWAYS SHALL BE GIVEN A MEDIUM SANDBLAST AT THE PLANT WITHIN FOUR DAYS PRIOR TO SHIPPING BEAMS.
- 9. KEYWAYS SHALL BE OMITTED AT FASCIA SIDE OF EXTERIOR BEAMS.
- 10. BROOM FINISH TOPS OF ALL BEAMS.
- 11. STRANDS SHALL BE DETENSIONED SYMMETRICALLY ABOUT THE & OF BEAM.
- 12. CONCRETE MIX SHALL CONTAIN RUSSTEC "RCI" CORROSION INHIBITOR; DOSAGE SHALL BE 4 GALLONS PER CUBIC YARD OF CONCRETE.
- 13. BEAM ENDS SHALL BE SEALED W/ BITUMINOUS COATING.

STANDARD ERECTION PROCEDURE:

How Jute

Ts calculated

ALL LIFTING LOOPS SHOWN MUST BE USED SIMULTANEOUSLY AND EQUALLY, 90° TO THE BEAM, WHILE ERECTING WITH 2 CRANES. ANY DEVIATION FROM THIS STANDARD FOR ERECTING PURPOSES IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS ADVISED TO HAVE AN ENGINEER REVIEW ANY DEVIATION FROM THIS STANDARD WITH CONSIDERATION GIVEN TO BEAM STRESSES, STRENGTH AND STABILITY. PRESTRESS SERVICES INC. WILL NOT BE LIABLE FOR ANY VARIATIONS TO THE STANDARD PROCEDURE.

PRESTRESS SERVICES

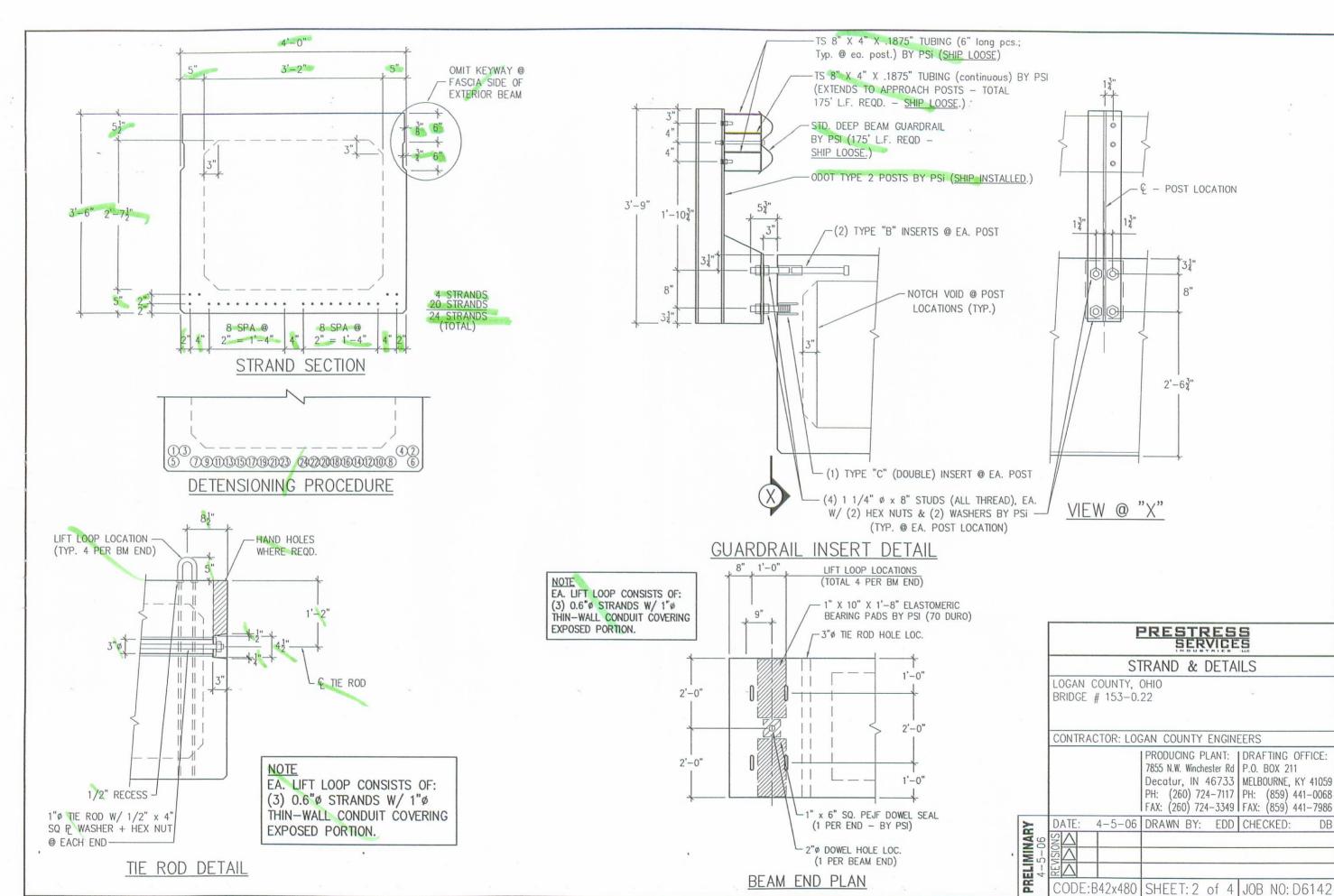
PROJECT OVERVIEW

OGAN COUNTY, OHIO BRIDGE # 153-0.22

CONTRACTOR: LOGAN COUNTY ENGINEERS

PRODUCING PLANT: | DRAFTING OFFICE: 7855 N.W. Winchester Rd P.O. BOX 211 Decatur, IN 46733 MELBOURNE, KY 41059 PH: (260) 724-7117 PH: (859) 441-0068 FAX: (260) 724-3349 FAX: (859) 441-7986

*	DATE:	4-5-06	DRAWN	BY:	E	DD	CHEC	KED:	DB
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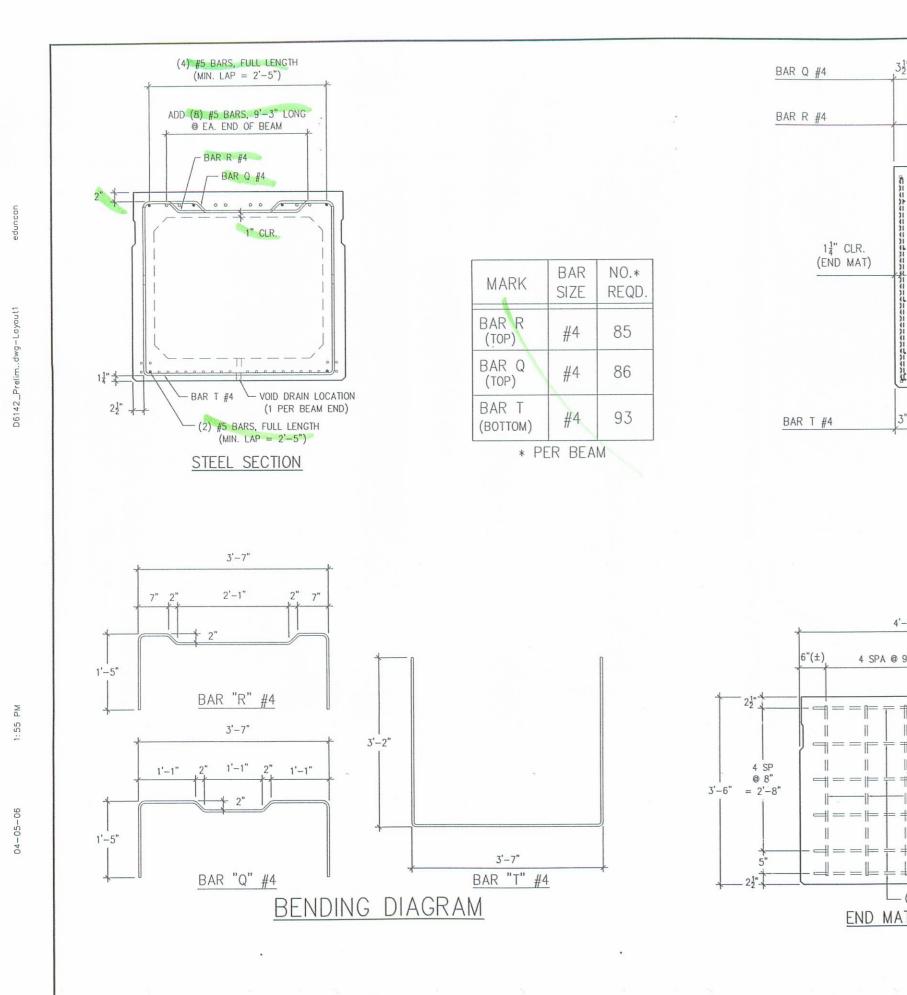


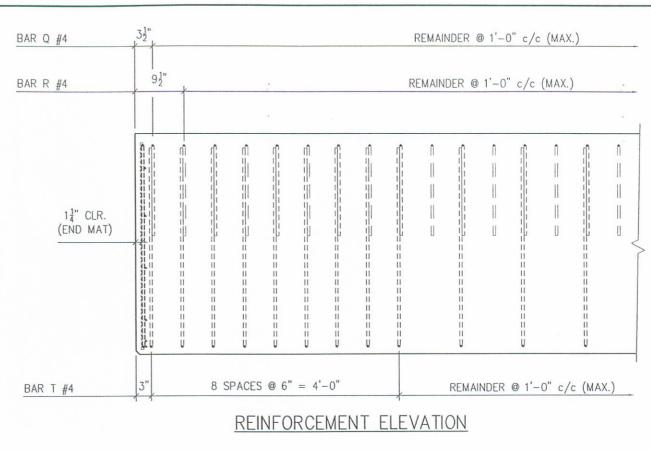
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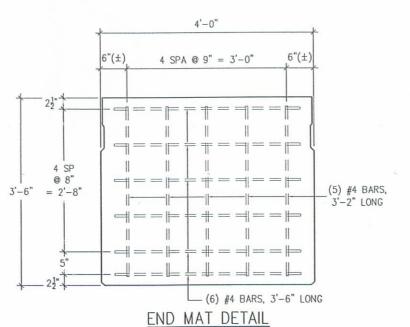
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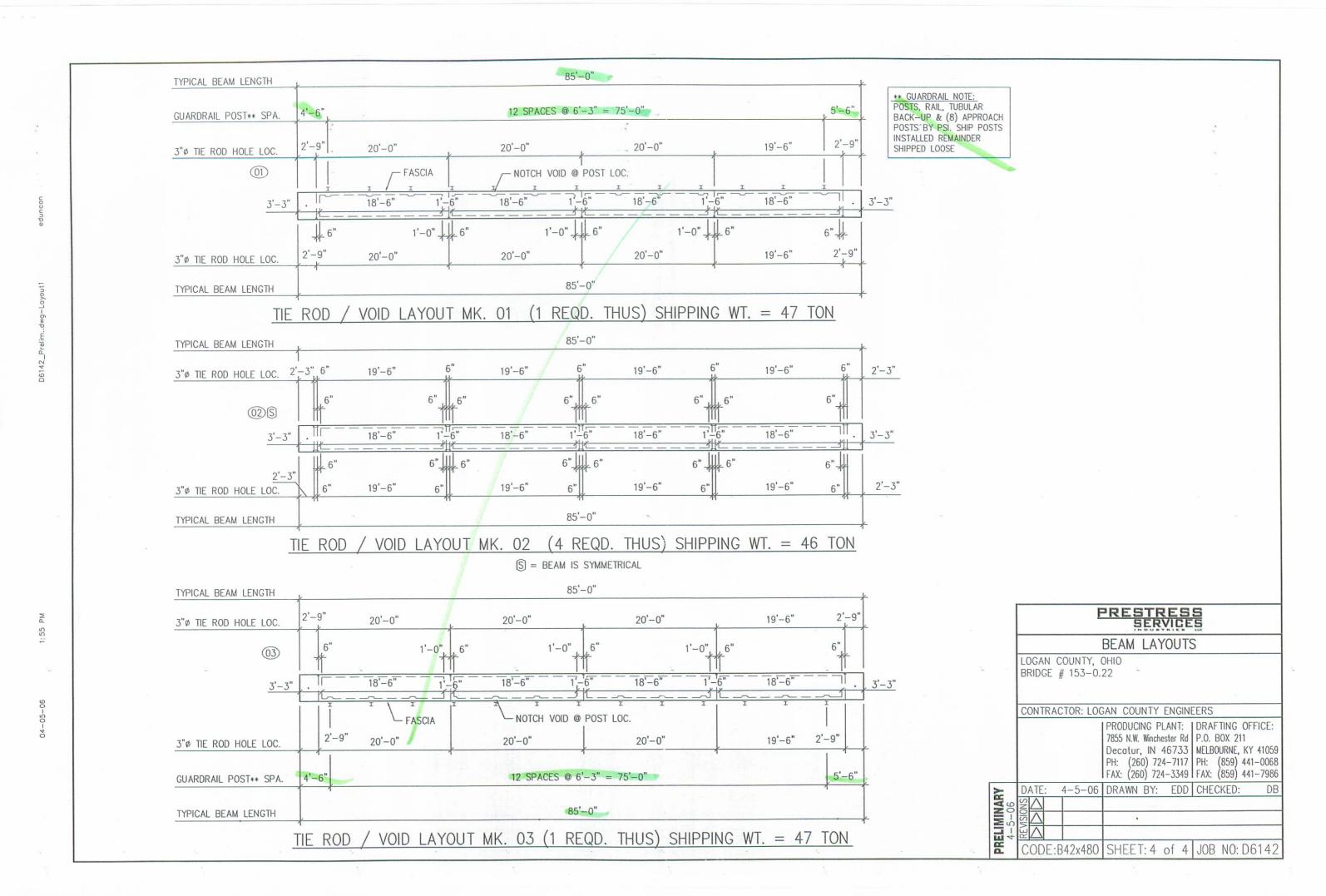


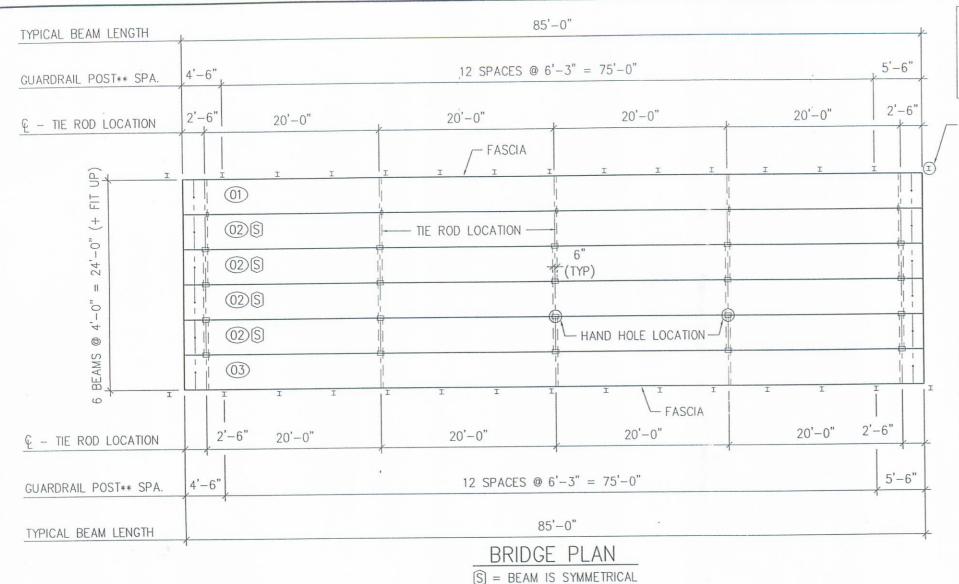




	STEEL & DETAILS									
	LOGAN COUNTY, OHIO BRIDGE # 153-0.22									
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NARY 06	DATE: 4-5-06 DRAWN BY: EDD CHECKED: DB									
₹ -5										
2	CODE:B42x480 SHEET: 3 of 4 JOB NO: D6142									

PRESTRESS SERVICES





NOTE:

P.S.I. SHALL FURNISH, INCIDENTAL TO BEAMS:

- (10) 1" Ø x 12' TIE RODS
- (5) 1" Ø x 8' TIE RODS
- (30) 1/2" x 4" SQ. PLATE WASHERS
- (30) 1"ø HEX NUTS
- (12) 1"ø x 4'-6" DOWEL RODS (SMOOTH-A311)
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- (175' LF) STD. DEEP BEAM GUARDRAIL (SHIP LOOSE)
- (175' LF) STD. TUBULAR BACK-UP (SHIP LOOSE)
- (8) W6 X 25 APPROACH POSTS

** GUARDRAIL NOTE:
POSTS, RAIL, TUBULAR
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POSTS BY PSI. SHIP POSTS
INSTALLED REMAINDER
SHIPPED LOOSE

APPROACH POSTS
BY PSI (8 REQD.
- SHIP LOOSE)





MAR NO	NO. REQD.	WEIGHT		SHIPPING WEIGHT		
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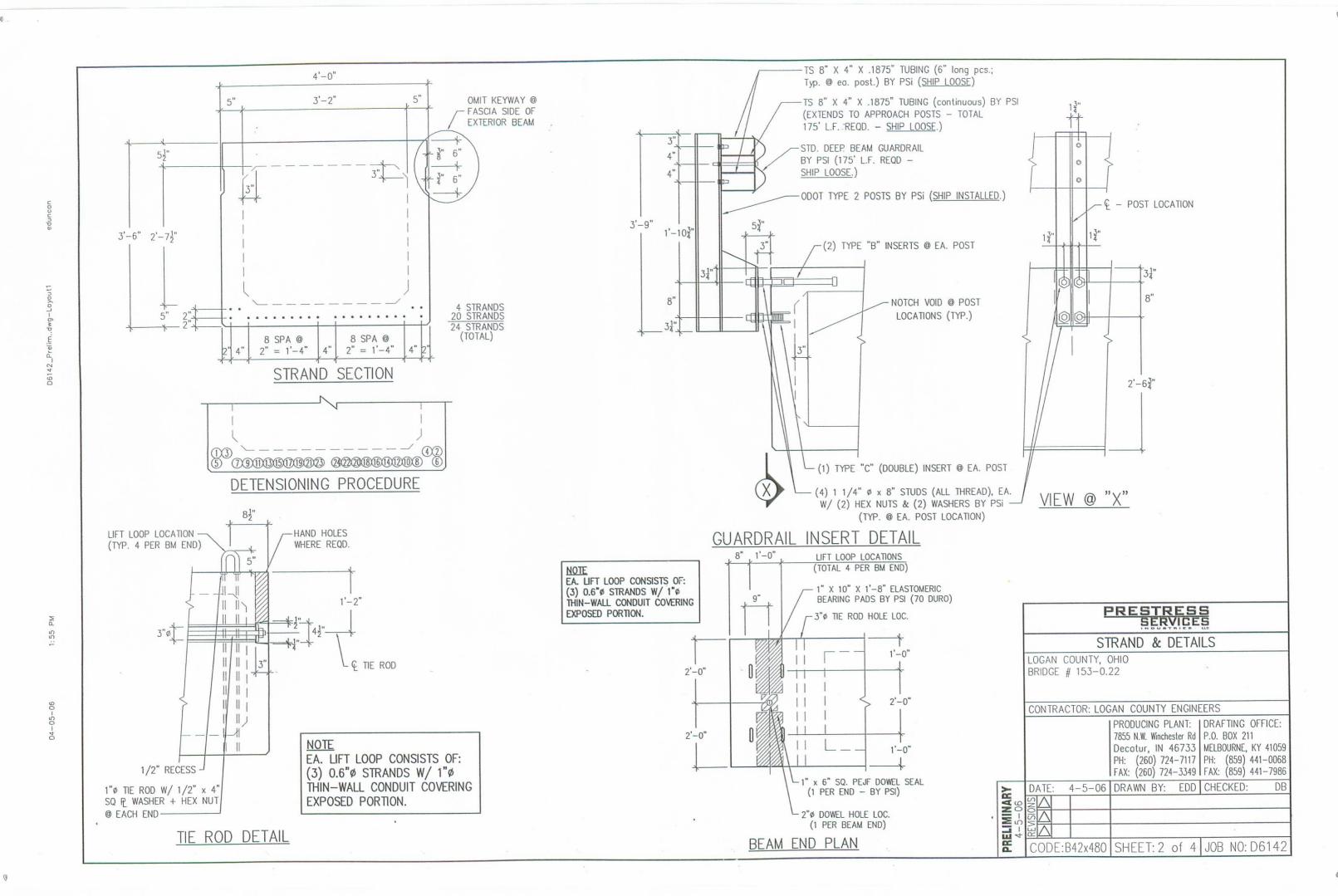
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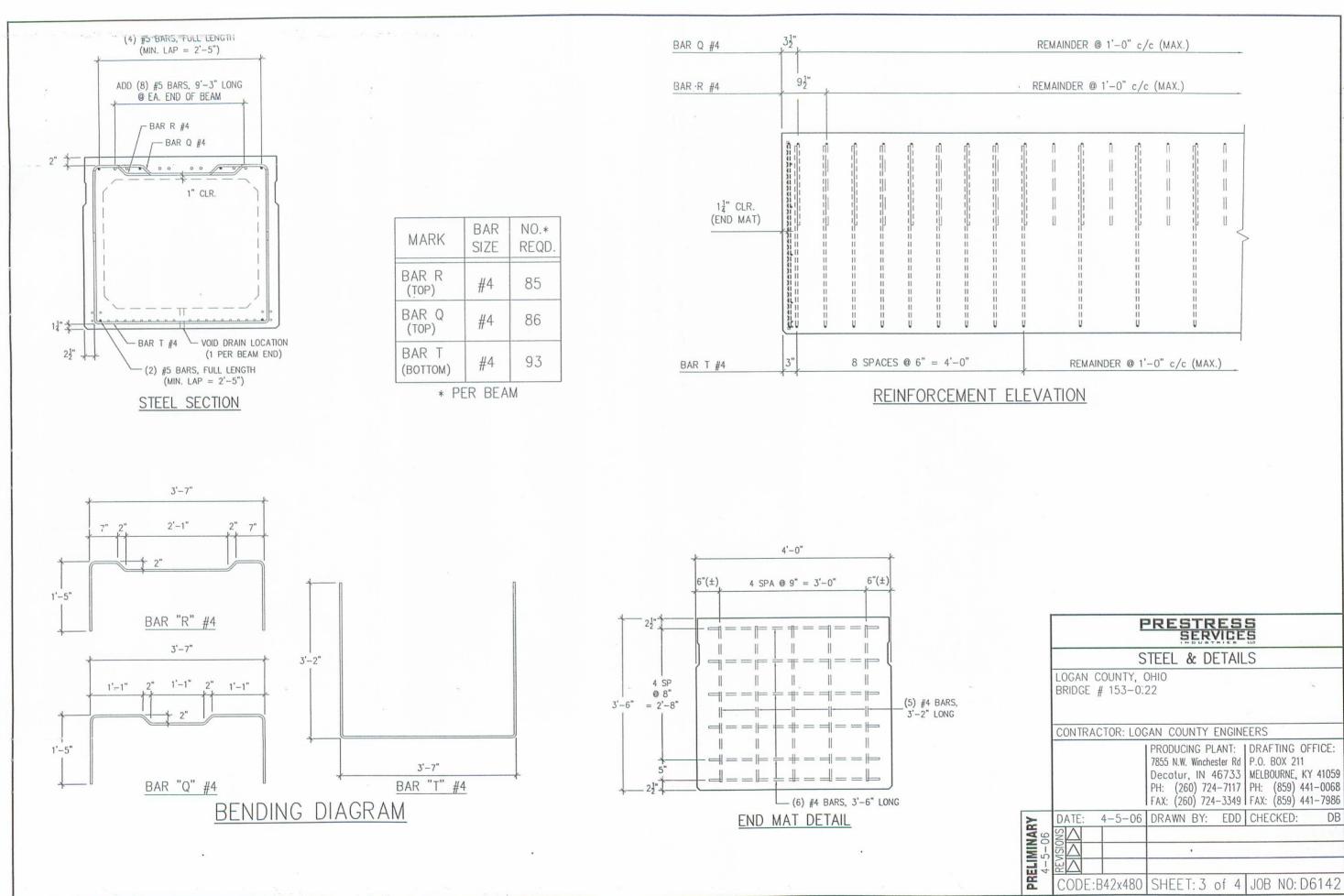
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PRESTRESS SERVICES

BEAM LAYOUTS

4-5-06 DRAWN BY: EDD CHECKED:

CODE:B42x480 | SHEET: 4 of 4 | JOB NO: D6142

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Decotur, IN 46733 MELBOURNE, KY 41059 PH: (260) 724-7117 PH: (859) 441-0068 FAX: (260) 724-3349 FAX: (859) 441-7986

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LOGAN COUNTY, OHIO BRIDGE # 153-0.22