TOTAL

42 CY.

168 GAL.

3,600 L.F.

4,171 %

396 L.F.

48 EA.

6 BA.

3 EA.

96 L.F.

24 EA.

12 EA.

12 EA.

0.5 GAL

2 GAL

200 L.F.

24 EA.

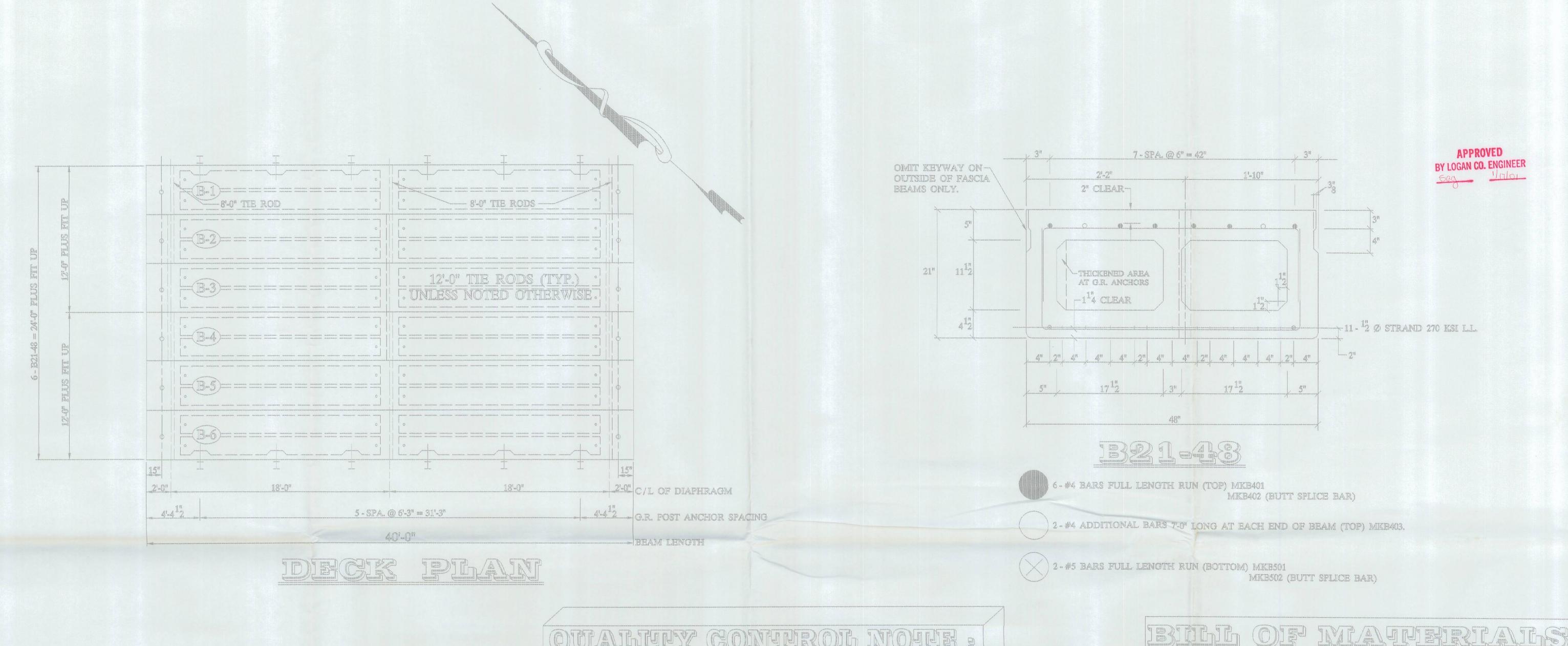
12 EA.

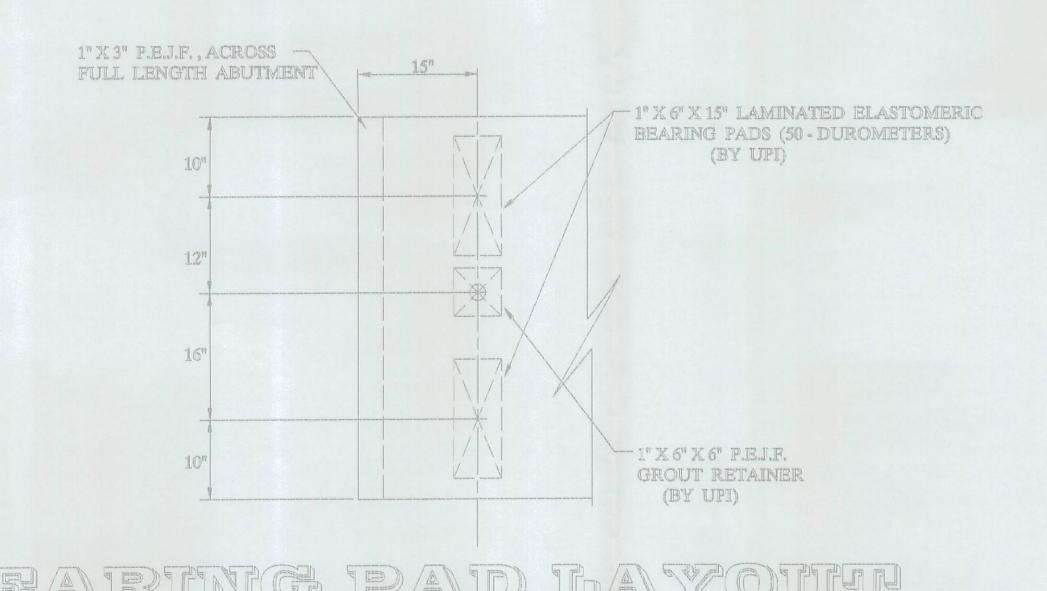
100 L.F.

100 L.F.

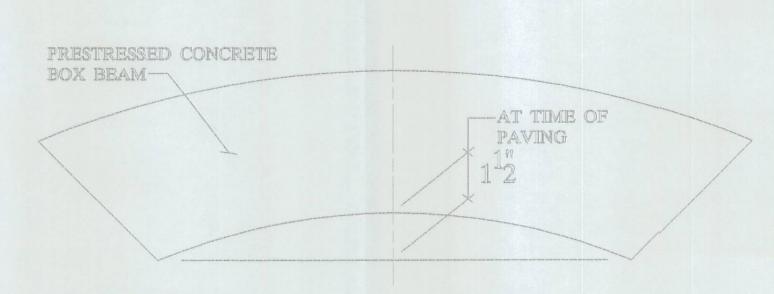
12 S.F.

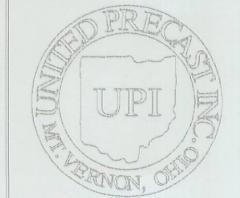
6 EA.





- --- STRAND IS LOW LAX.
- --- INITIAL LOAD IS 30,982 # / STRAND.
- --- REBAR IS ALL GRADE 60.
- --- STIRRUPS UNDER STRAND.





MOUNT VERNON, OHIO PHONE: (740) 393-1121 PAX: (740) 392-9703

DESCRIPTION:		
BOX	BEAM	DETAILS
JOB NAME:	1717M 51	5

ITEM

12'-0"

81-011

1 BEAM WEIGHT

3 CALCIUM NITRITE

2 CONCRETE

4 STRAND

6 VOID

5 RE-STEEL

8 TIE RODS

7 VOID DRAINS

9 THE ROD SLEEVES

10 TYPE-B-ANCHORS

11 TYPE-C-ANCHORS

12 DOWELS & SLEEVES

13 INTERTUF - 132

16 BEARING PADS

17 GUARDRAIL POSTS

19 GUARDRAIL ELEMENT

20 TUBULAR BACK-UP

18 GUARDRAIL POSTS (OFF DECK)

22 NON-SHRINK GROUT ADDITIVE

14 SILANE

21 P.H.J.F.

15 JUTE

QTY/BEAM

7 CY.

29,100 #

<sup>1</sup>2 Ø STRAND 270 KSI L.L.

1" Ø STEEL ROD

1" Ø STEEL ROD

1" X 6" X 15" LAMINATED

TYPE - 2 (W6 X 25 X 6'-0")

1" X 3" X 48 L.F.

TYPE-2 (W6 X 25 X)

GRADE - 60 11<sup>12</sup> X 17<sup>12</sup>

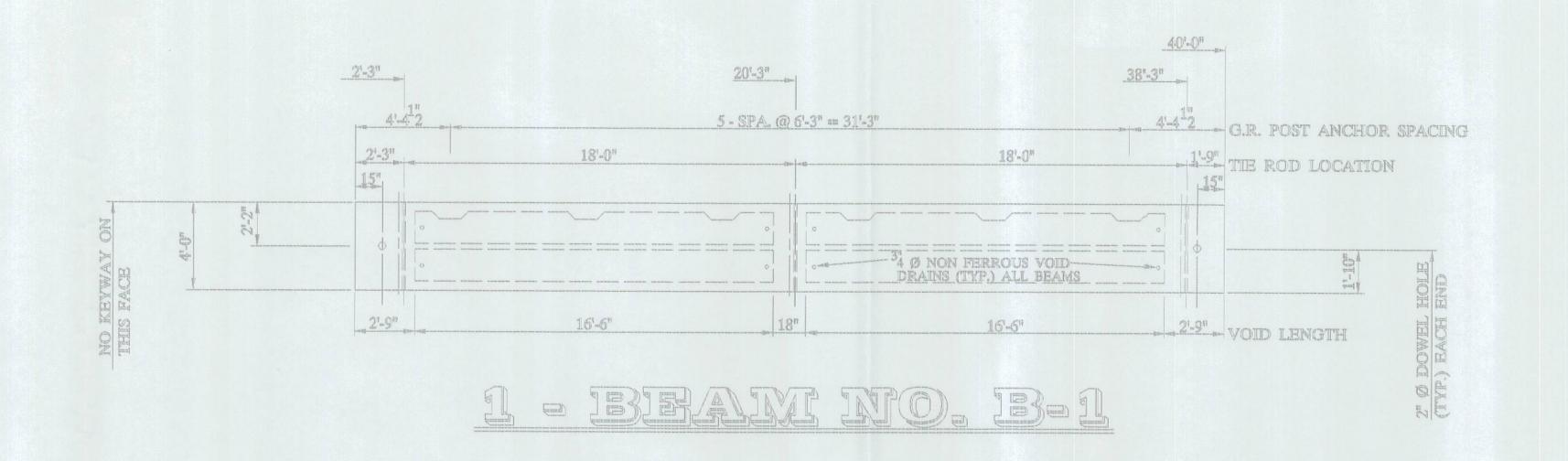
3"4 Ø NON FERROUS

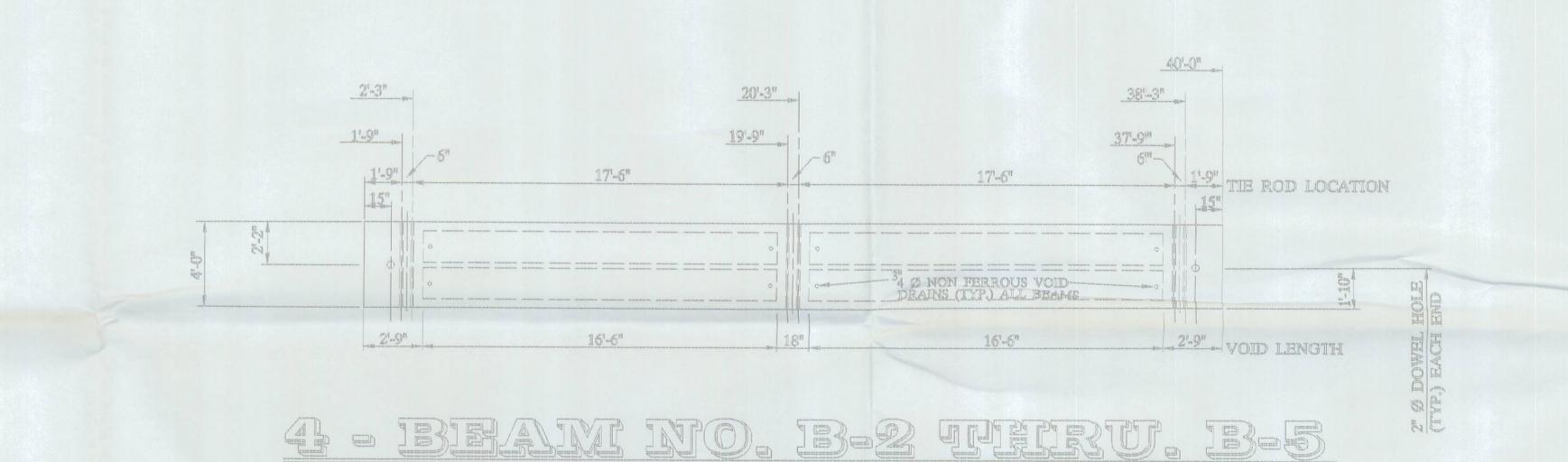
28 GAL. (D.C.I.) 4-GAL./CY.

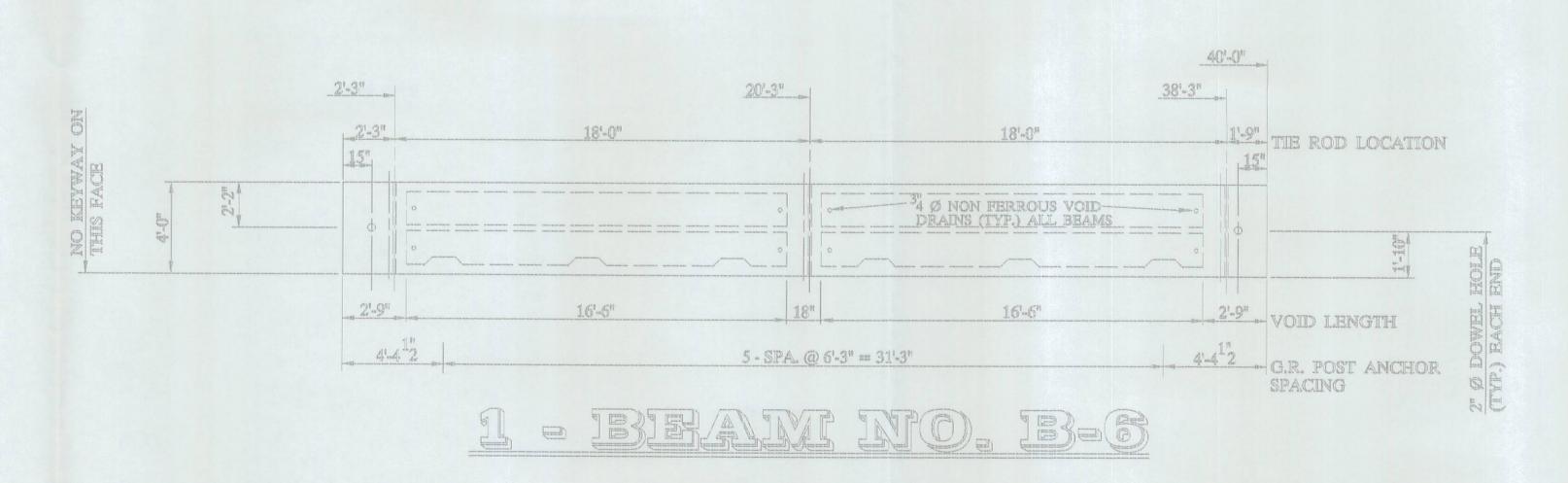
		DEGE	THE STATE OF THE S
ON:	SCALE:	DRAWN BY:	5 2001
OX BEAM DETAILS	128 FE 82112 187-148 (Select State 18-18-18-18-18-		NGINEER
LOGAN COUNTY	ECT NO. C.R. 74	REVISED:	
APPROVED BY:	15/01	DRAWING NO.	

URIUEID		GASI	ING.
ROUNDE	DUSTA IN	ALINITA	

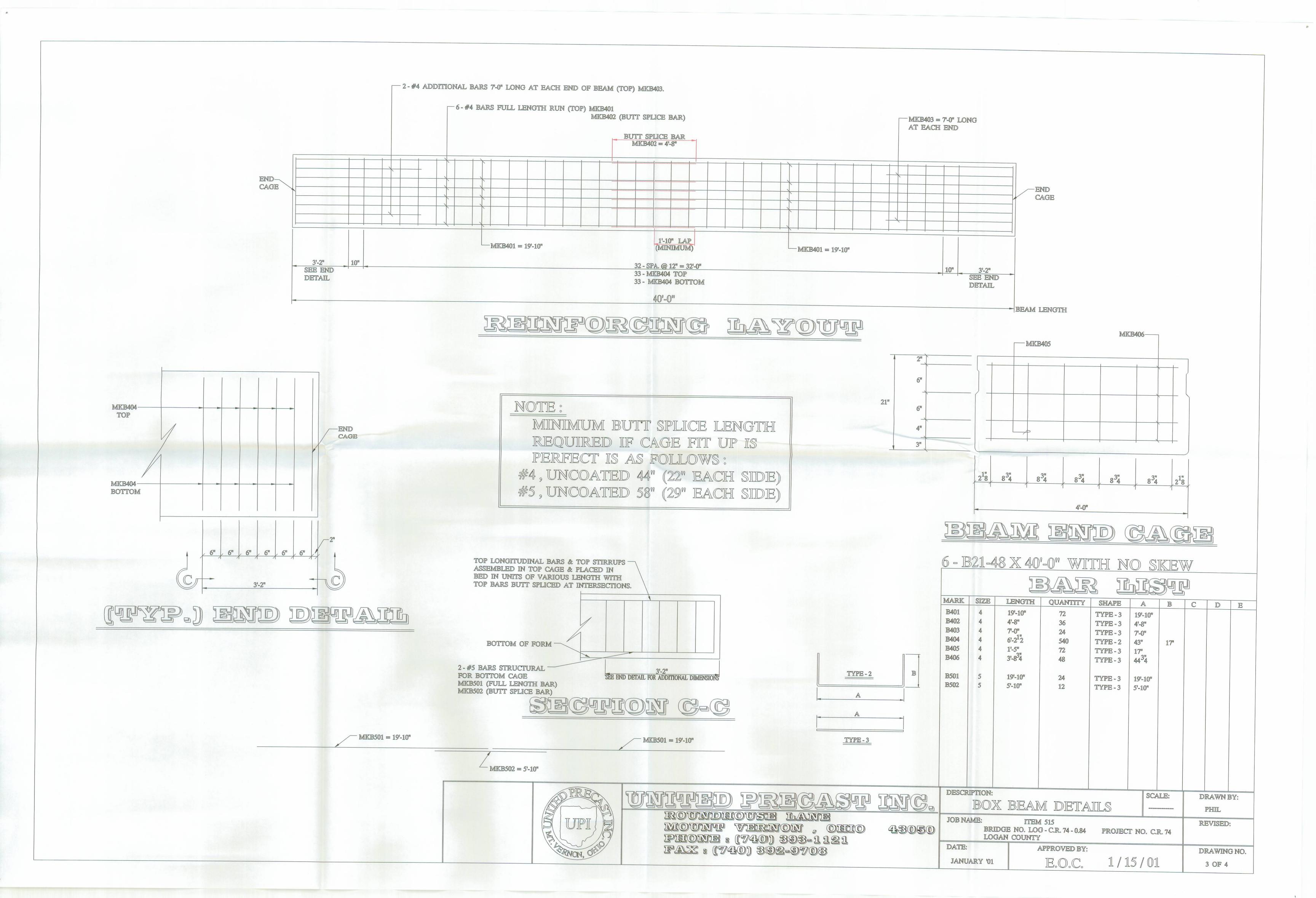
DATE: JANUARY '01 HoO.C. 

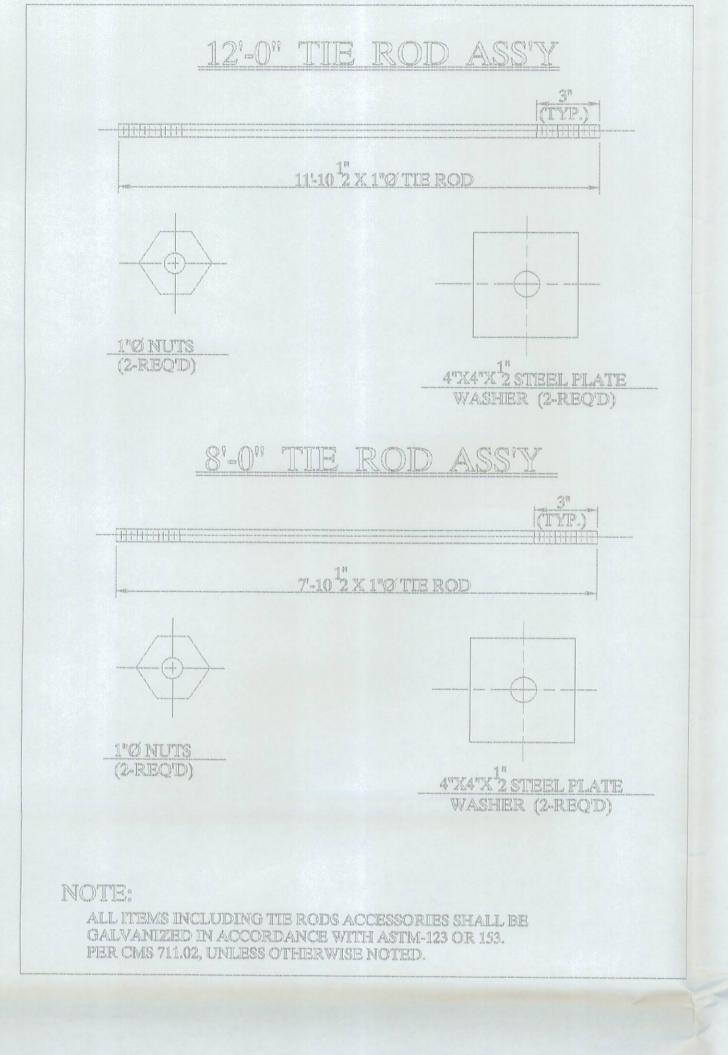


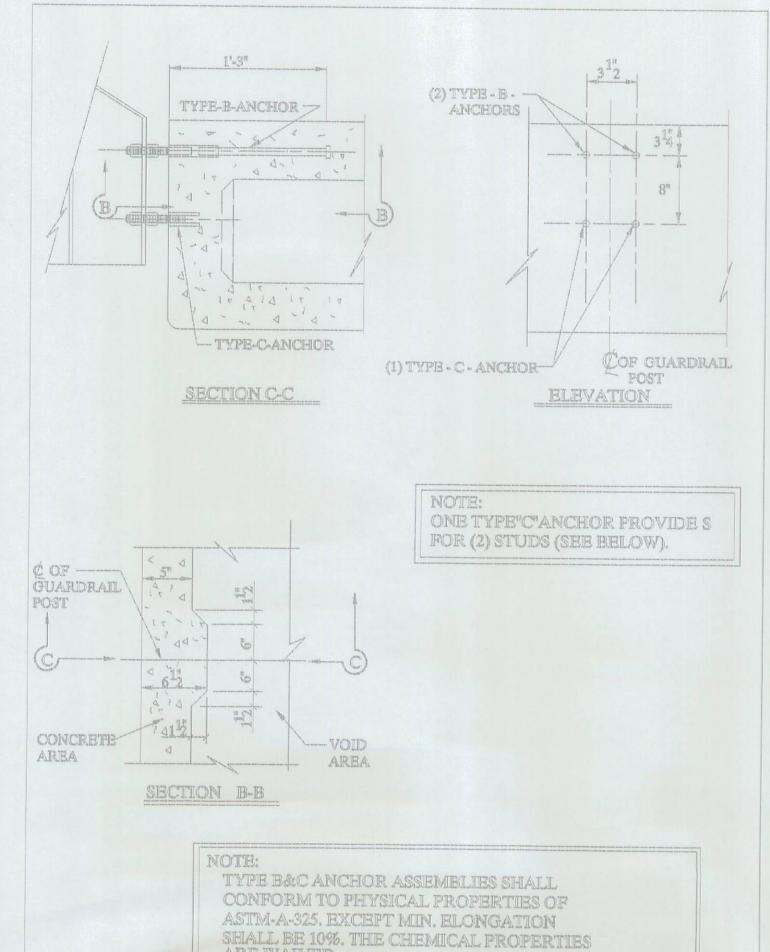


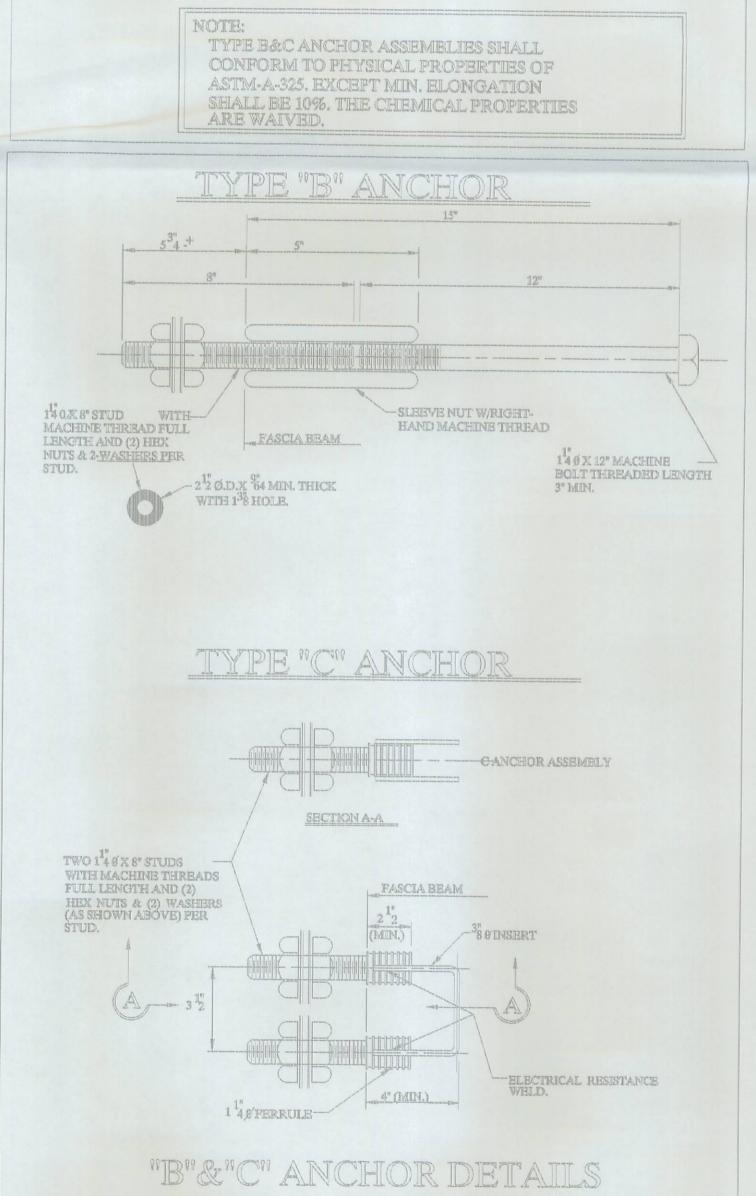


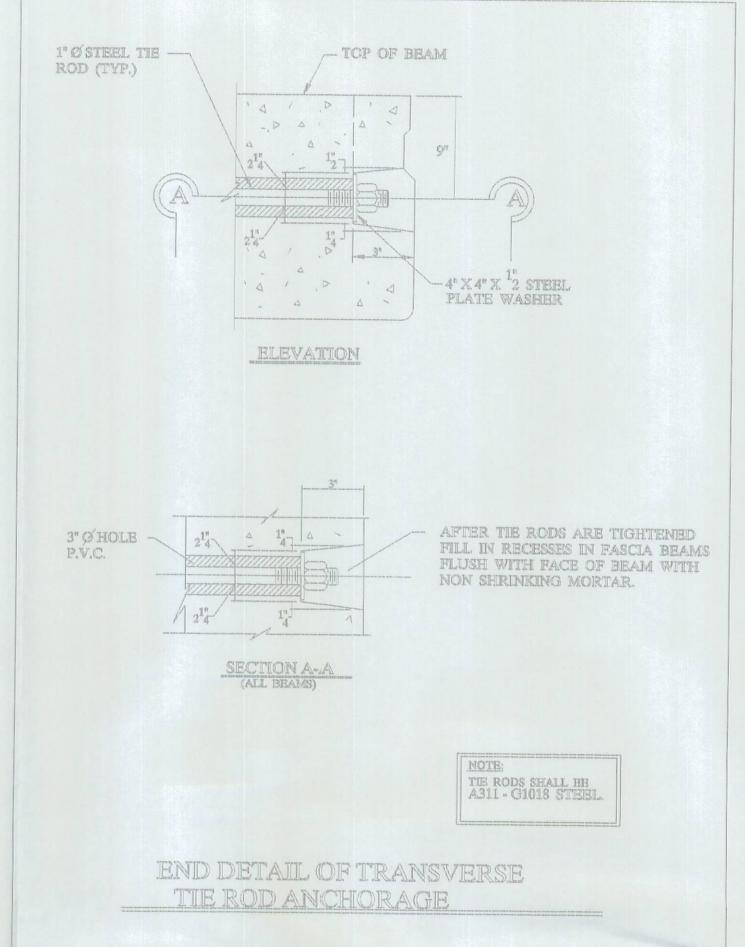


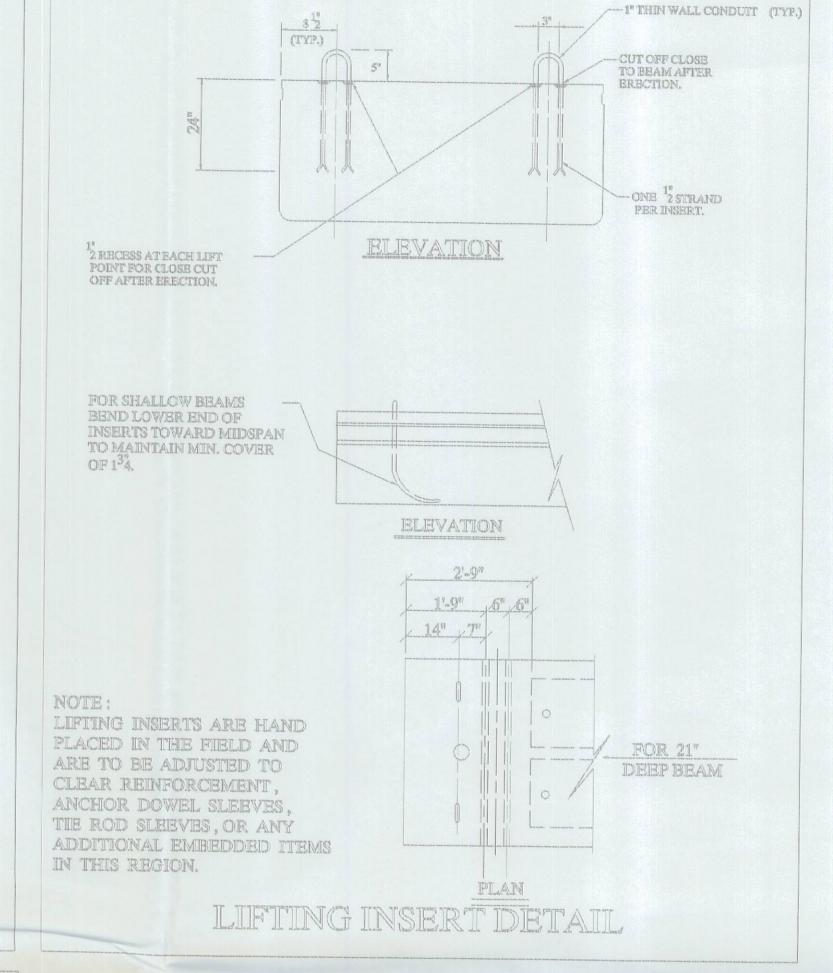














1) GALVANIZE ALL HARDWARE PER CMS. 711.02.

2) PROVIDE A BROOM FINISH ON TOP SURFACE OF BEAM SUITABLE FOR WATERPROOFING.

3) ADD D.C.I. TO CONCRETE (4-GAL./CUBIC YARD).

4) WATERPROOF BEAM ENDS.

5) DETENSION STRAND SYMETRICALLY ABOUT CENTERLINE.

# SPECIFICATIONS

DESIGN LOADING: HS20-44 AND ALTERNATE MILITARY LOADING.

COMPRESSIVE STRENGTH, 1: = 5500 PSI @ 28 DAYS (SHIPPING). fc = 4000 PSI @ RELEASE.

PRESTRESSING ASTM A - 416 GRADE 270, 12 DIAMETER, SEVEN WIRE, UNCOATED LOW RELAXATION STRAND, As = .153 in. fb = 270 KSI.

INITIAL STRESS: 0.75 fs' = 202.5 KSL

REINFORCING GRADE - 60: ASTM A - 615, ASTM A - 616, ASTM A - 617.

UNIT STRESS 24,000 PSI.

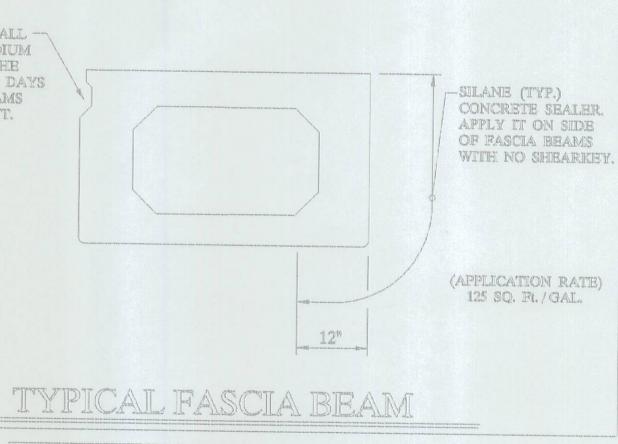
DATE

JAN. '01

NOTE:

PRESTRESSED CONCRETE BEAMS AND APPURTENACES CONFORM TO O.D.O.T. STANDARD BRIDGE DRAWINGS FSBD - 1 - 93 SHBETS ONE, TWO, THREE, & FOUR.

THE KEYWAY SHALL -BE GIVEN A MEDIUM SANDBLAST AT THE PLANT WITHIN (4) DAYS BEFORE THE BEAMS LEAVE THE PLANT.



BRIDGE NO. LOG-C.R. 74-0.84 LOGAN COUNTY ITEM 515

PROJECT NO. C.R. 74

# UNITED PRECAST INC.

ROUNDHOUSE LANE MT. VERNON, OHIO 43050 PHONE:(740)393-1121, FAX:(740)392-9708

> APPROVED BY: 1/15/01

DRAWING NO.

DRAWN BY:

EDETILE. REVISED