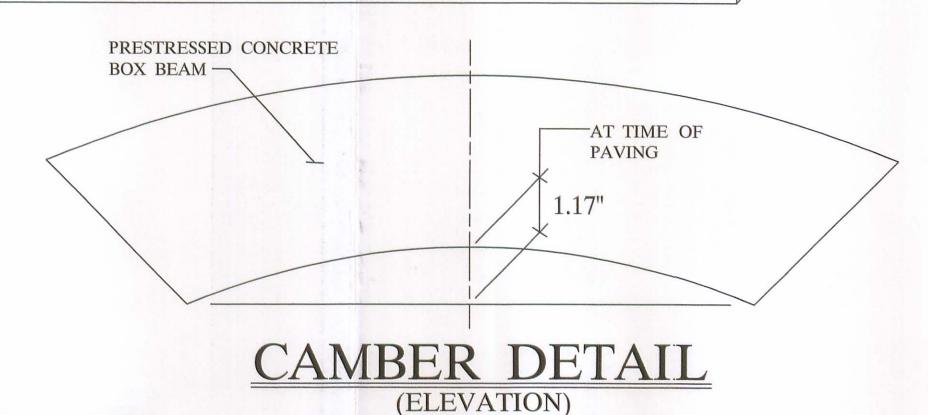


QUALITY CONTROL NOTE:

- --- STRAND AREA IS .153 SQ. IN.
- --- STRAND IS LOW LAX.
- --- INITIAL LOAD IS 30,982 # / STRAND.
- --- REBAR IS ALL GRADE 60.
- --- STIRRUPS UNDER STRAND.
- --- O.D.O.T. 2002 SPECIFICATIONS.
- --- CONCRETE STRENGTHS: 5500 PSI AT 28 DAYS 4000 PSI AT RELEASE



PRECOUPI Z

UNIVED PRECASU INC.

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

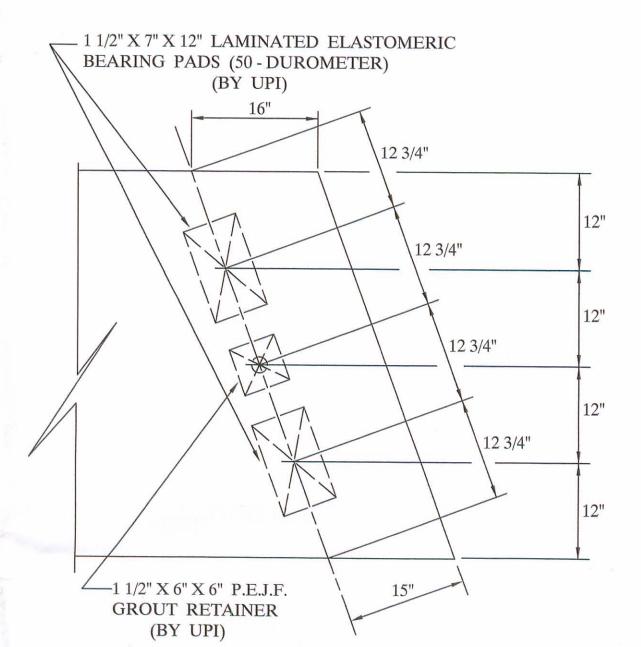
43050

22 P.E.J.F.

23 NON SHRINK GROUT ADDITIVE

DESCRIPTION:	BOX BEAM DETAILS			SCALE:	DRAWN BY:	
					PHIL	
JOB NAME:	7/4				"	REVISED:
	BRIDG	E NO. LOG-B	3R. 49 - 5.64			
	LOGAN COUNTY PROJECT NO. C.R. 49					
DATE:			APPROVED BY:			DRAWING NO.
DECEMBER	2004	E.O.C.	1/26/	/ 05	1 OF 4	

(TYP.) ACUTE CORNER (PLAN VIEW)



BEARING PAD LAYOUT

(PLAN VIEW)

BILL OF MATERIALS **ITEM** QTY/BEAM TOTAL BEAM WEIGHT 91,742 # CONCRETE 22 CY. 132 CY. CALCIUM NITRITE (D.C.I.) 94.8 GAL. 4 - GAL. / CY. 663.6 GAL 4 MICROSILICA 5% BY WEIGHT OF CEMENT 4,636 # 5 STRAND 1/2" Ø STRAND 270 KSI L.L. 13,200 L.F. 6 RE-STEEL GRADE - 60 14,531 # 7 VOID 31 1/2" X 38" 442 L.F. 8 VOID DRAINS 3/4" Ø NON FERROUS 48 EA. 9 TIE ROD 8'-0" 1" Ø STEEL ROD 25 EA. 10 TIE ROD SLEEVES 200 L.F. 11 TYPE - B - ANCHORS 56 EA. 12 TYPE - C - ANCHORS 28 EA. 13 DOWELS & SLEEVES 12 EA. 14 WASSER MC - TAR 1.1 GAL. 15 SILANE 6.5 GAL. 16 JUTE 430 L.F. 17 BEARING PADS 1 1/2" X 7" X 12" , 3 - LAM. 24 EA. 18 GUARDRAIL POSTS TYPE - 2 28 EA. 19 OFF DECK POSTS 8 EA. 20 GUARDRAIL ELEMENT 175 L.F. 21 TUBULAR BACK - UP 175 L.F.

1 1/2" X 3" X 52'

2 1/2 CY. GROUT BY OTHERS 430 L.F.

12.75 S.F.

(6 - REQUIRED) 4 - #5 BARS FULL LENGTH RUN (TOP) 9 - #5 ADDITIONAL BARS 10'-6" LONG AT EACH END OF BEAM (TOP) 2 - #6 BARS FULL LENGTH RUN (BOTTOM)

B42-48

-C/L OF 2"Ø

2" CLEAR-

• • • + •

-THICKENED AREA

AT G.R. ANCHORS

-1 1/4" CLEAR

DOWEL HOLE

0 0 0 0

2 - 1/2" Ø STRAND 270 KSI L.L.

20 - 1/2" Ø STRAND 270 KSI L.L.

(22 - STRANDS TOTAL)

HOLD BACK AT

DOWEL HOLE

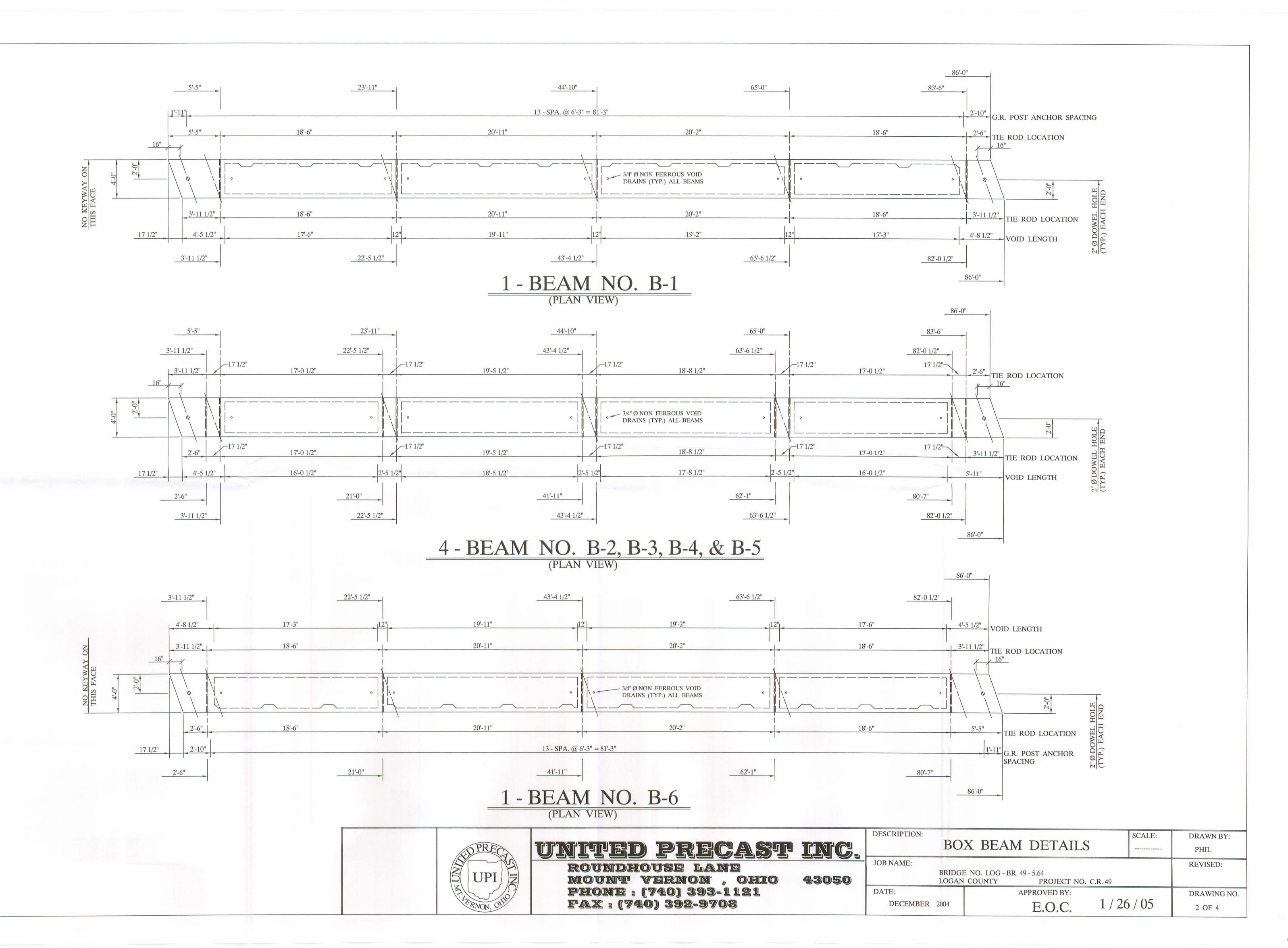
OMIT KEYWAY ON

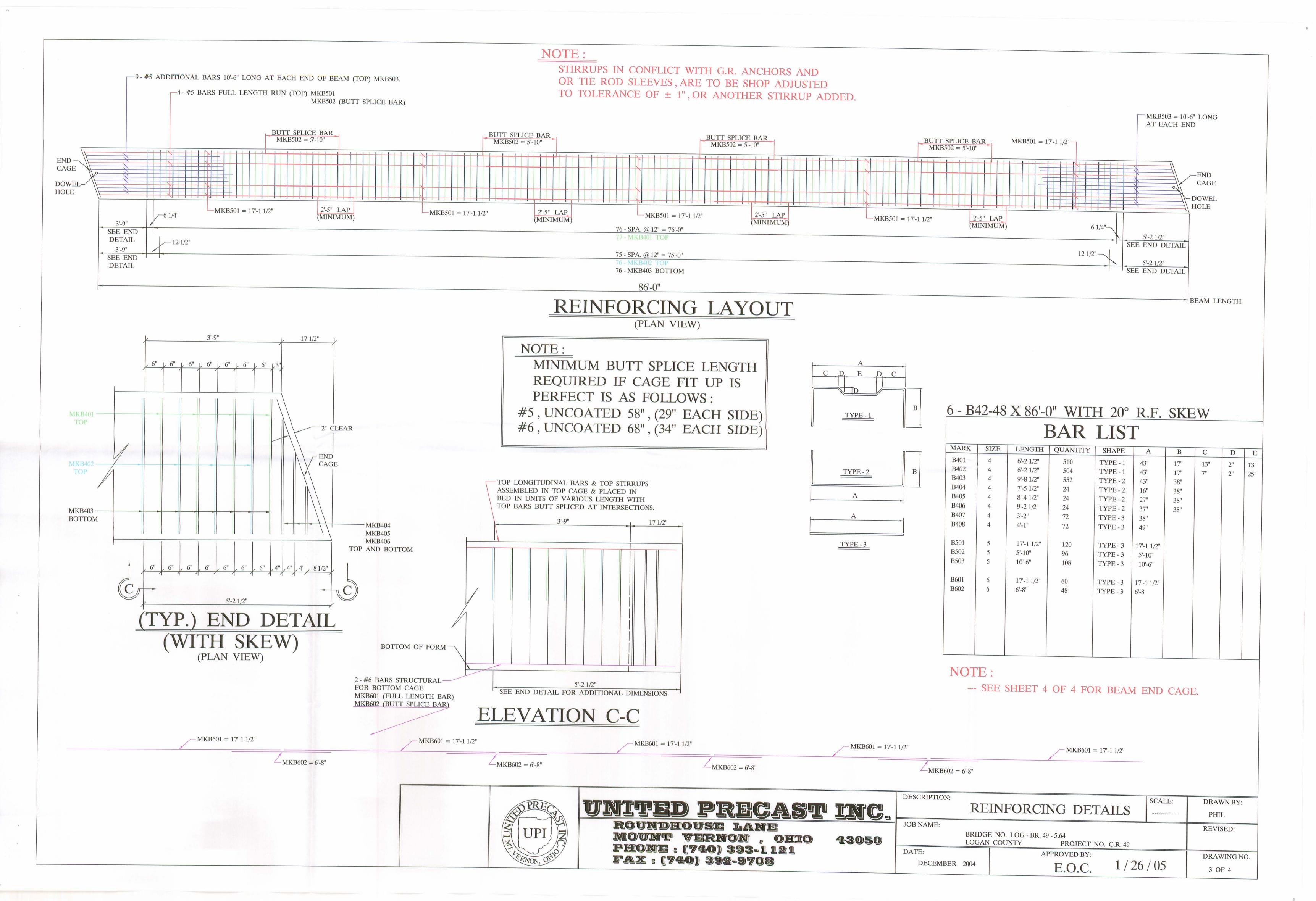
5 1/2"

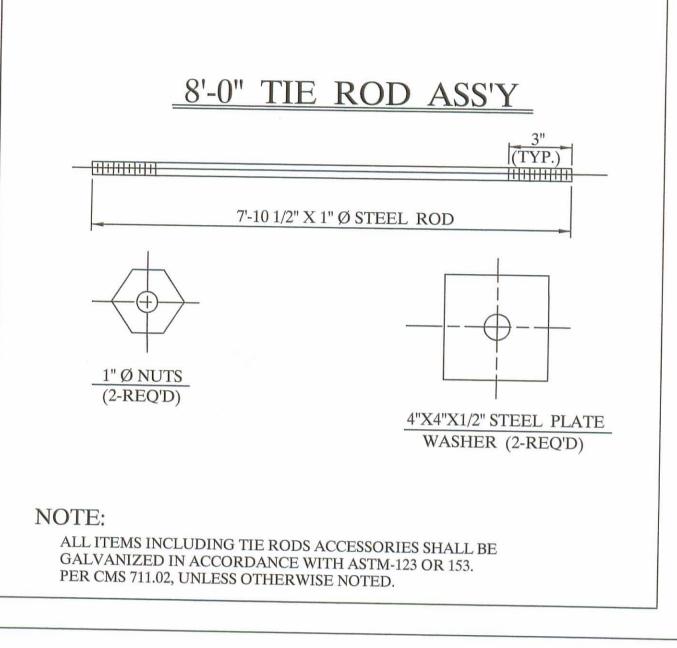
31 1/2"

OUTSIDE OF FASCIA

BEAMS ONLY







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

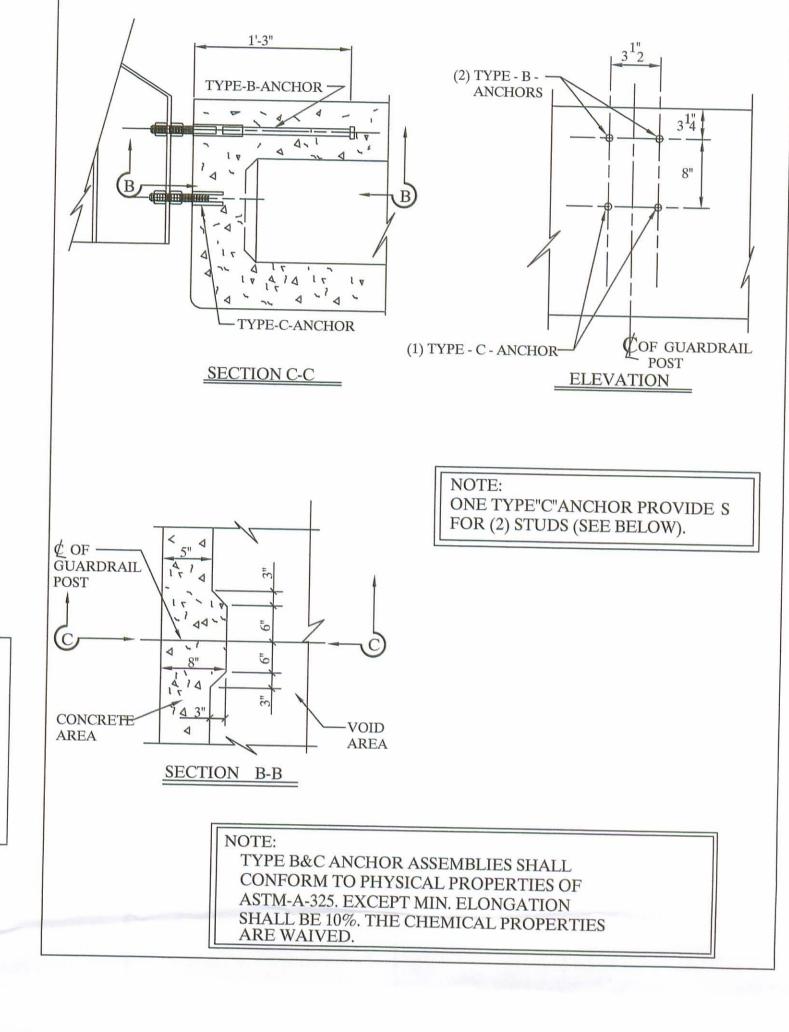
3) ADD CALCIUM NITRITE TO CONCRETE (4-GAL./CUBIC YARD), (D.C.I.)

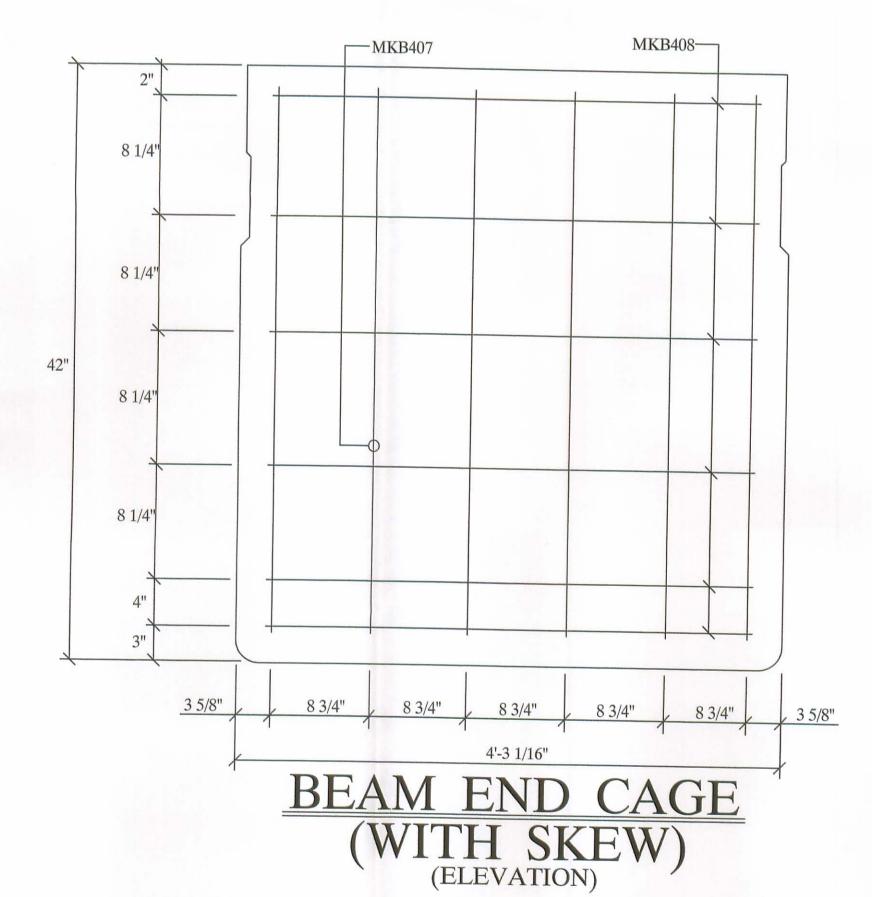
5) DETENSION STRAND SYMETRICALLY ABOUT CENTERLINE.

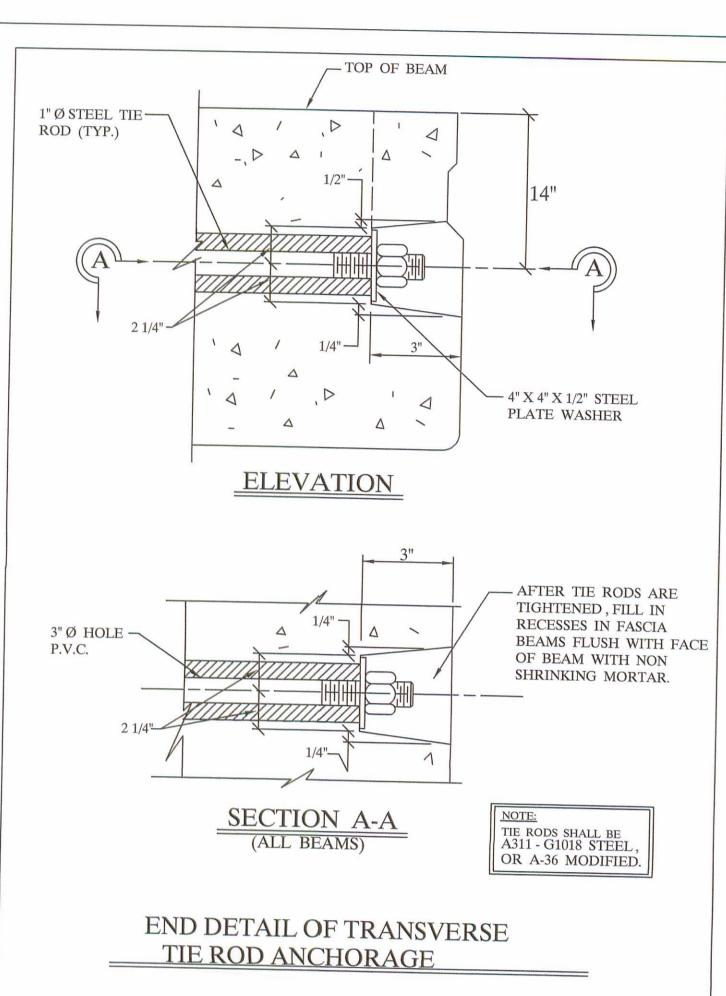
NOTE:

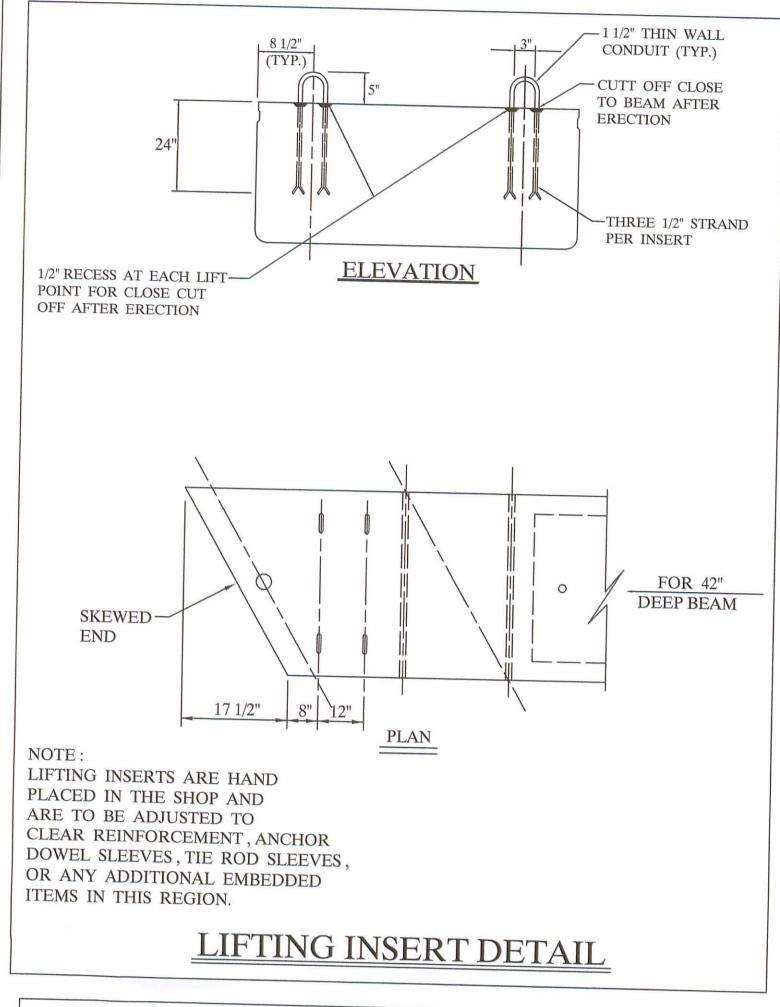
4) WATERPROOF BEAM ENDS.

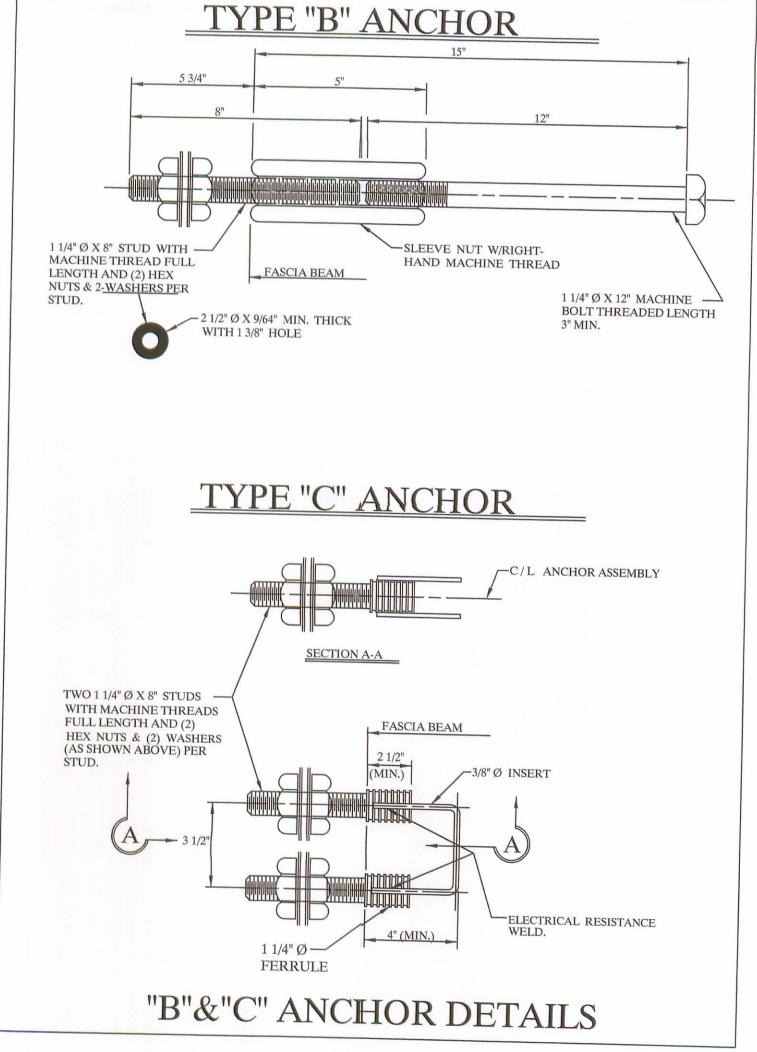
1) GALVANIZE ALL HARDWARE PER CMS. 711.02.

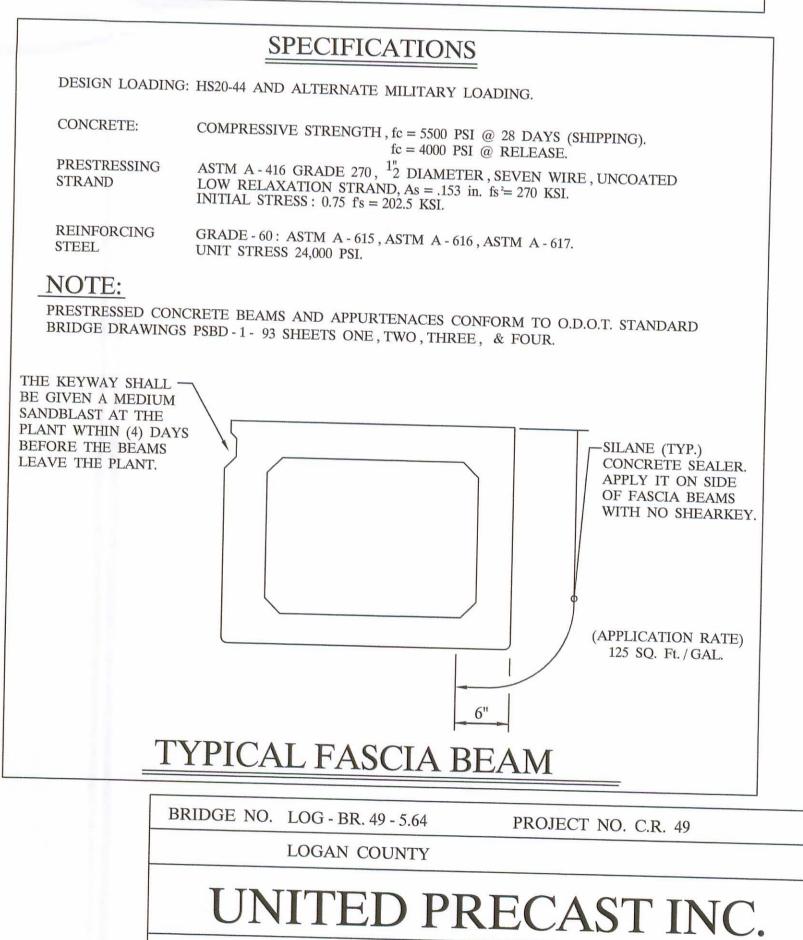












SCALE

1/26/05

PHIL

DRAWING NO.

4 OF 4

REVISED

ROUNDHOUSE LANE

DATE

DEC. '04

MT. VERNON, OHIO 43050

PHONE:(740)393-1121, FAX:(740)392-9708

APPROVED BY:

E.O.C.