SPO. # 2038

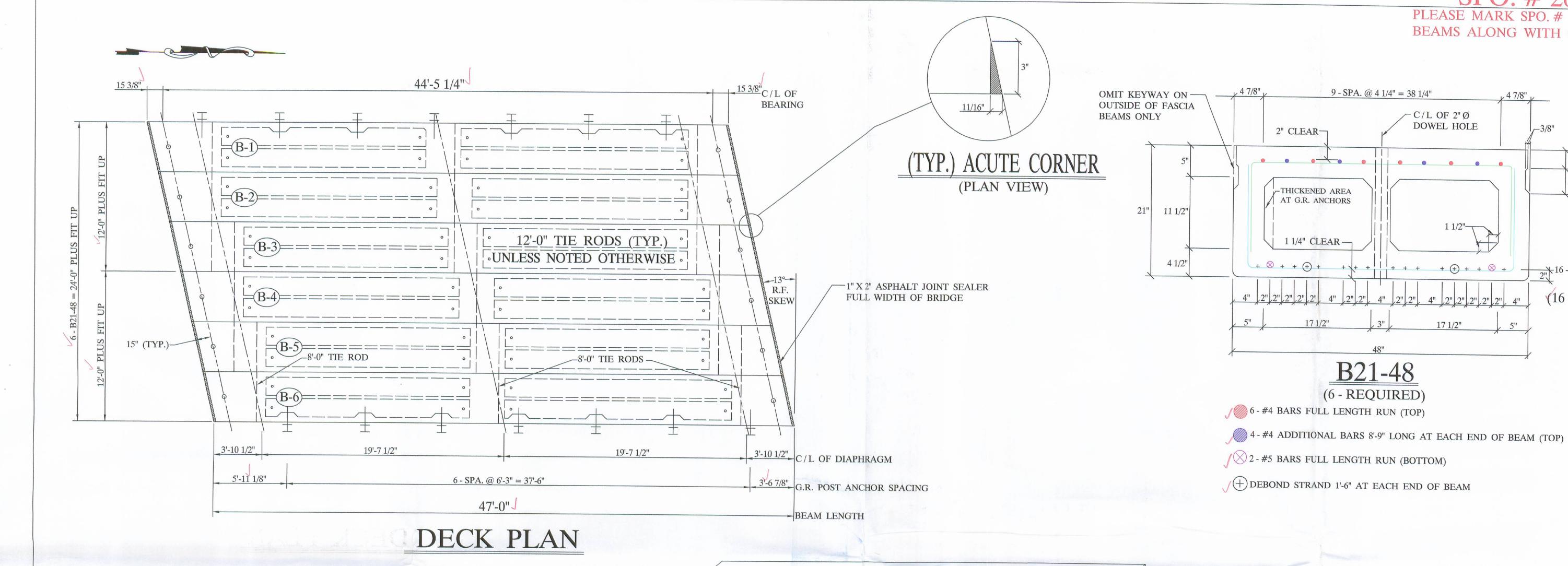
-C/L OF 2"Ø DOWEL HOLE

1 1/2"

BEAMS ALONG WITH COUNTY NAME

16 - 1/2" Ø STRAND 270 KSI L.L.

(16 - STRANDS TOTAL)



QUALITY CONTROL NOTE:

- -- STRAND AREA IS .153 IN. SQ.
- --- STRAND IS LOW LAX.
- --- INITIAL LOAD IS 30,982 # / STRAND.
- --- STIRRUPS UNDER STRAND.
- ---- REBAR TO BE ALL GRADE 60.
- --- CONCRETE STRENGTHS: 5500 PSI AT 28 DAYS 4000 PSI AT RELEASE
- --- ODOT 2005 SPECIFICATION.

PRESTRESSED CONCRETE BOX BEAM -AT RELEASE := 11/16" AT ERECTION = 13/16" LONG TERM = 111/16"

CAMBER DETAIL (ELEVATION)

BILL OF MATERIALS

NO	ITEM	QTY/BEAM	NOTES	TOTAL
1	BEAM WEIGHT		35,030 #	
2	CONCRETE	8.4 CY.		50.4 CY.
3	CALCIUM NITRITE (D.C.I.)	33.6 GAL	4 - GAL. / CY.	201.6 GAL.
14	STRAND		1/2" Ø STRAND 270 KSI L.L.	The state of the s
<i>J</i> 5	RE - STEEL		GRADE - 60	5,304 #
6	VOID		11 1/2" X 17 1/2"	453 L.F.
√7	VOID DRAINS		3/4" Ø NON FERROUS	48 EA.
/8	TIE ROD 12'-0"		1"Ø STEEL ROD	6 EA.
	8'-0"		1"Ø STEEL ROD	3 EA.
9	TIE ROD SLEEVES			96 L.F.
10	TYPE - B - ANCHORS			28 EA.
/11	TYPE - C - ANCHORS			14 EA.
/12	DOWELS & SLEEVES			12 EA.
13	WASSER		MC - TAR	0.5 GAL.
14	SILANE			2.2 GAL.
/15	JUTE			235 L.F.
/16	BEARING PADS		1" X 5" X 12" ,1 - LAM.	24 EA.
17	GUARDRAIL POST		TYPE - 2	14 EA.
18	OFF DECK POST		SHIP LOOSE	8 EA.
19 20	TUBULAR BACK UP			125 L.F.
21	NON SHRINK GROUT ADDITIVE		1 1/4 CY. GROUT, BY OTHERS	11 LBS.
21	ASPHALT JOINT SEALER		1" X 2" X 50'	50 FT.
21	P.E.J.F.		1/2" X 2" X 50'	8.5 S.F.
			1 × 6 "× 6"	24 EA

BEARING PAD LAYOUT (PLAN VIEW)

15 3/8"

1" X 5" X 12" LAMINATED ELASTOMERIC

1" X 6" X 6" P.E.J.F. -GROUT RETAINER (BY UPI)

BEARING PADS (50 - DUROMETER)

(BY UPI)

-1" X 2" ASPHALT JOINT SEALER

FULL WIDTH OF BRIDGE

12 5/16"

12 5/16"

12 5/16"

UNITED PRECAST INC.

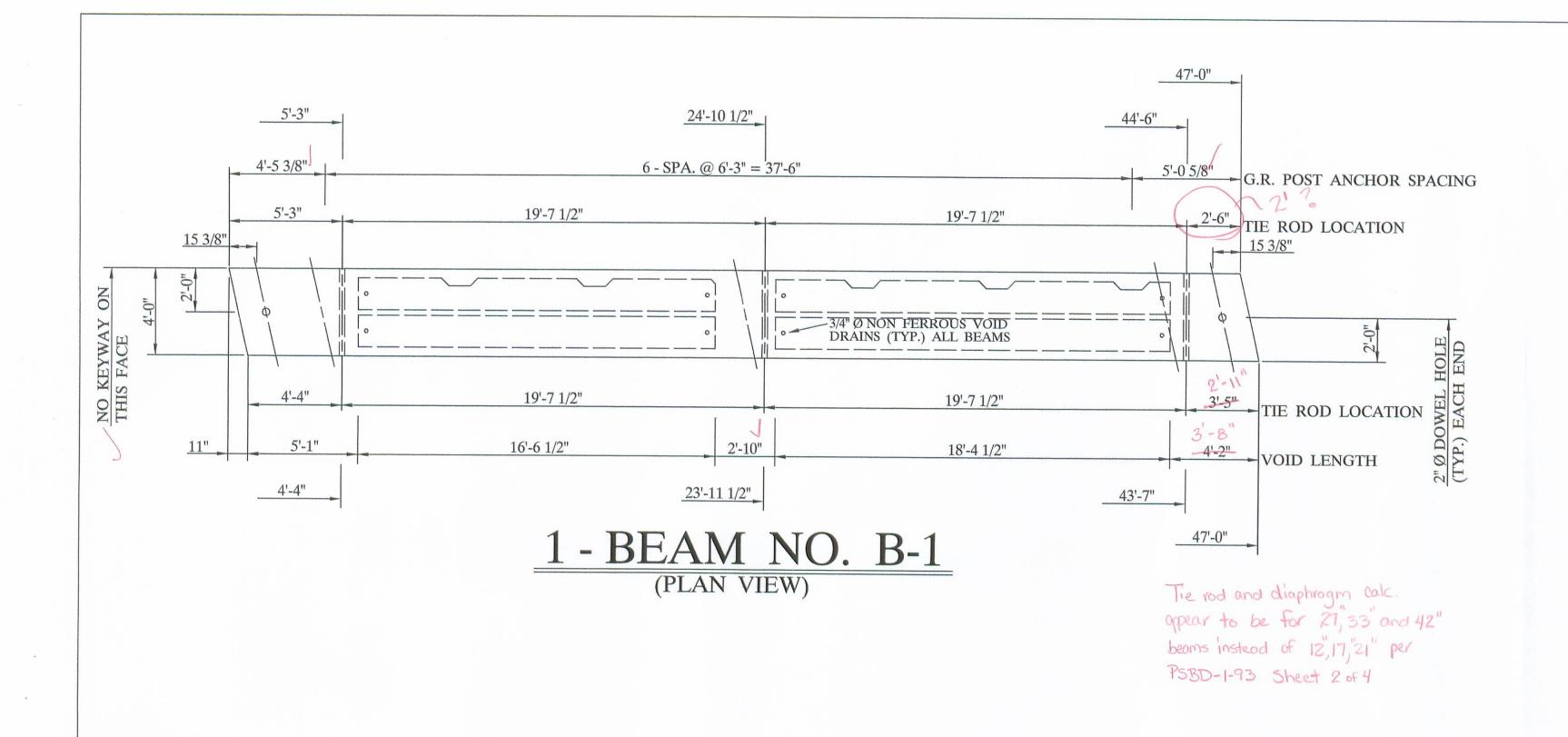
ROUNDHOUSE LANE MOUNT VERNON, OHIO PHONE: (740) 393-1121 FAX: (740) 393-0044

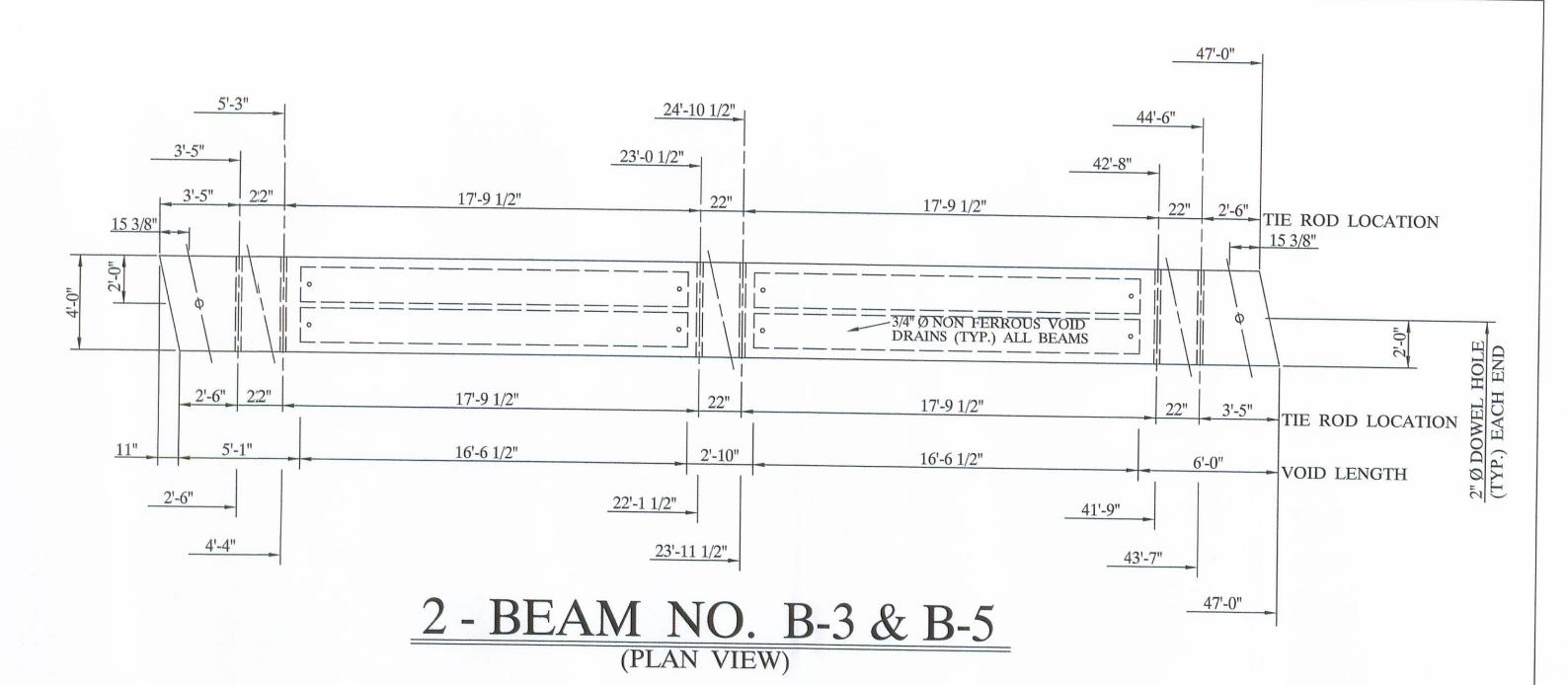
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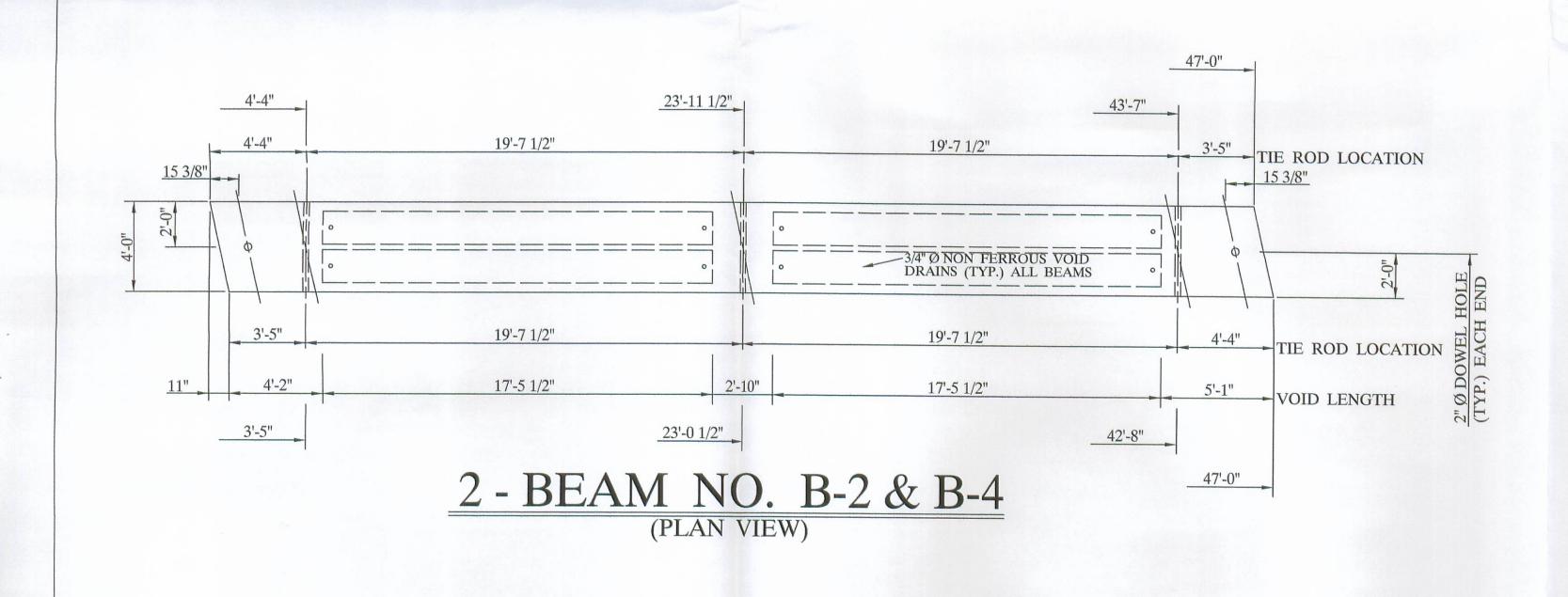
	DESCRIPTION:	DRAWN BY:			
		BOX BEA		PHIL	
=	JOB NAME:		——————————————————————————————————————	REVISED:	
		BRIDGE NO. BR 35 - 5 LOGAN COUNTY	NO. C.R. 35	THE VIOLED.	
	DATE:		APPROVED BY:		DRAWING NO.
	MARCH 2	2007	E.O.C.	4/7/07	1 OF 4

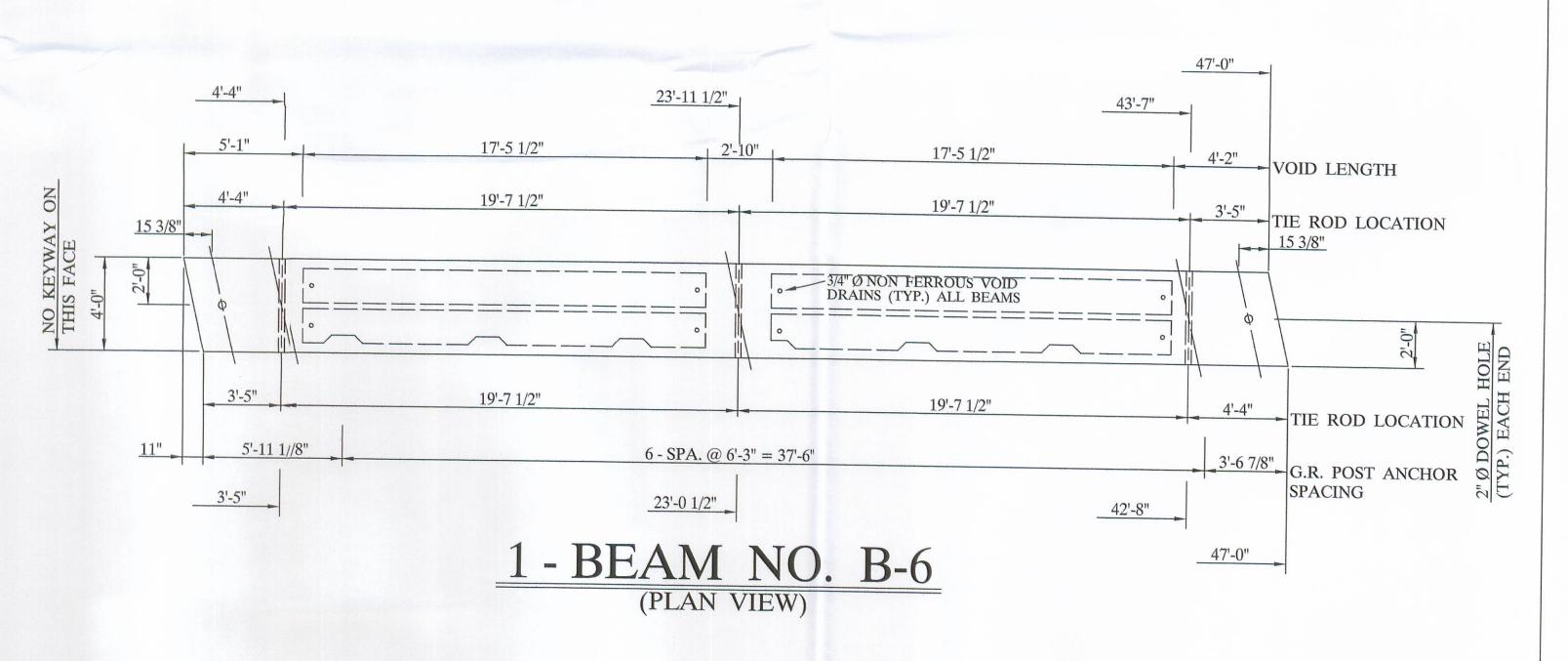
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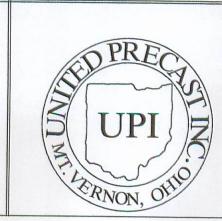










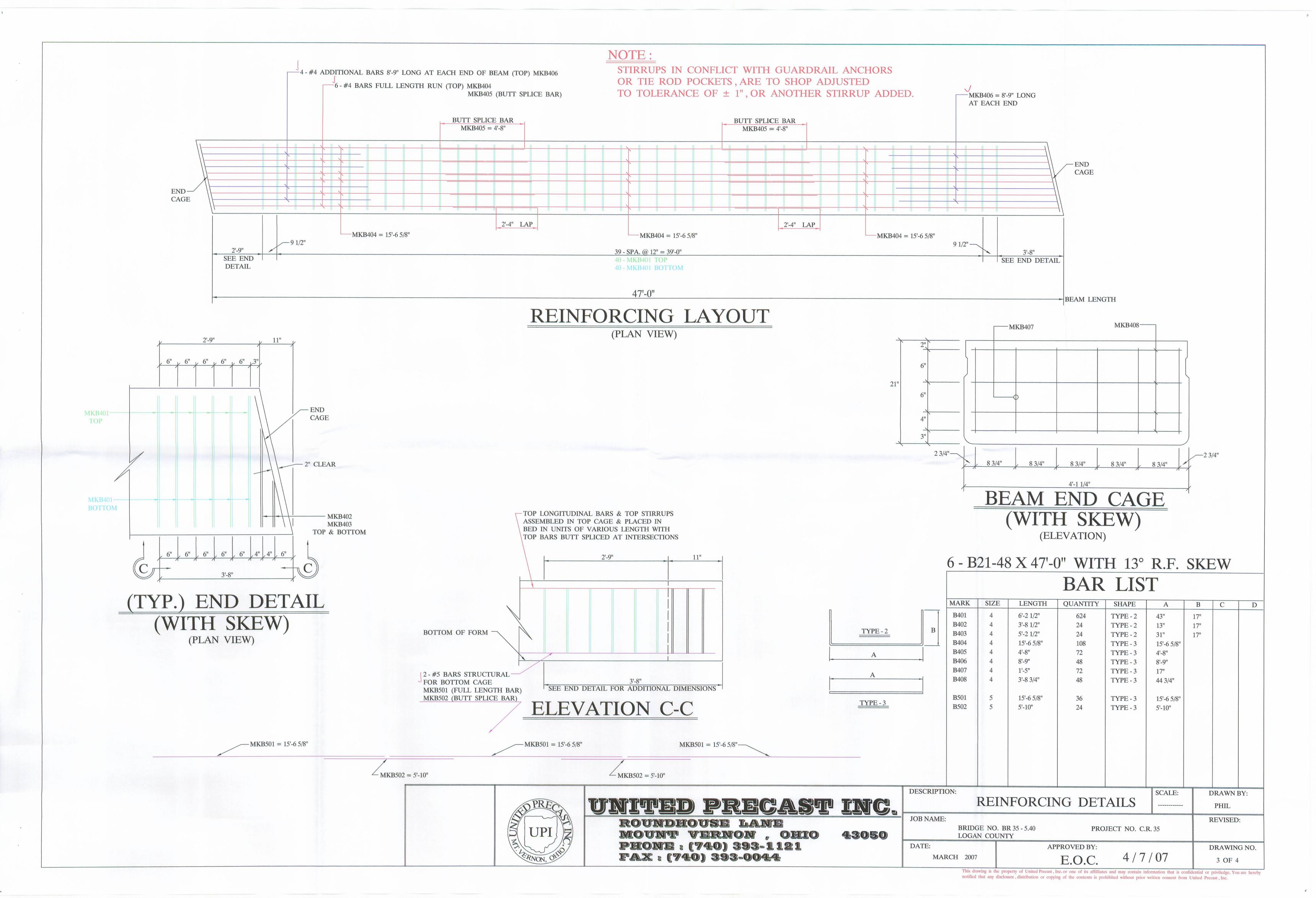


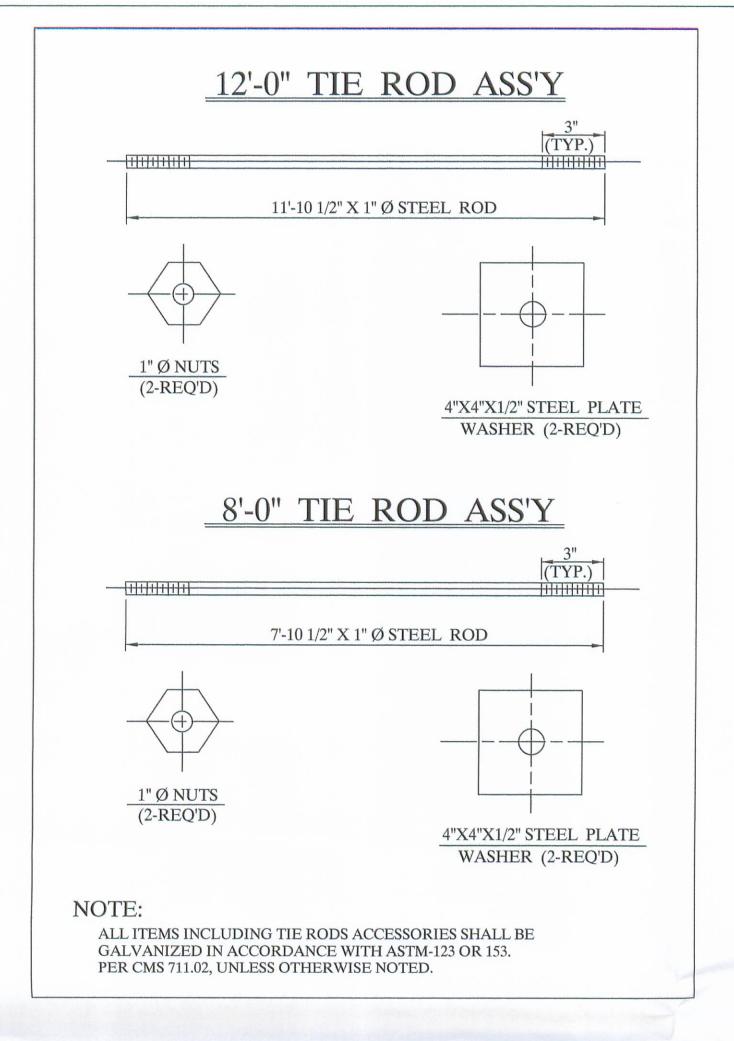
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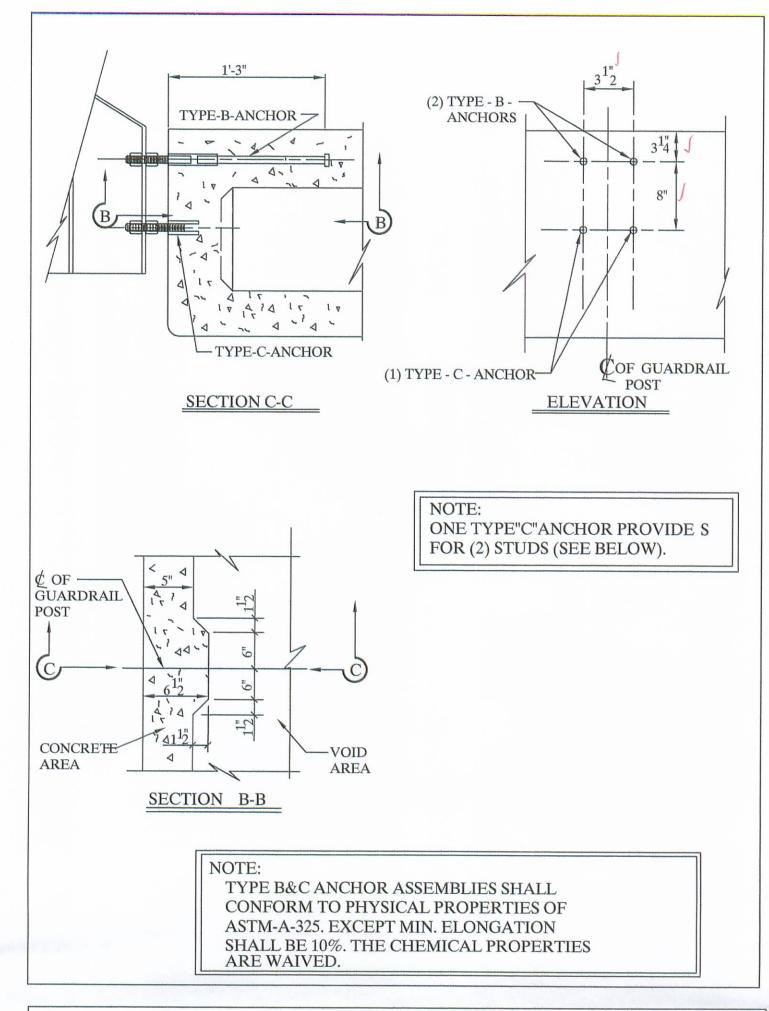
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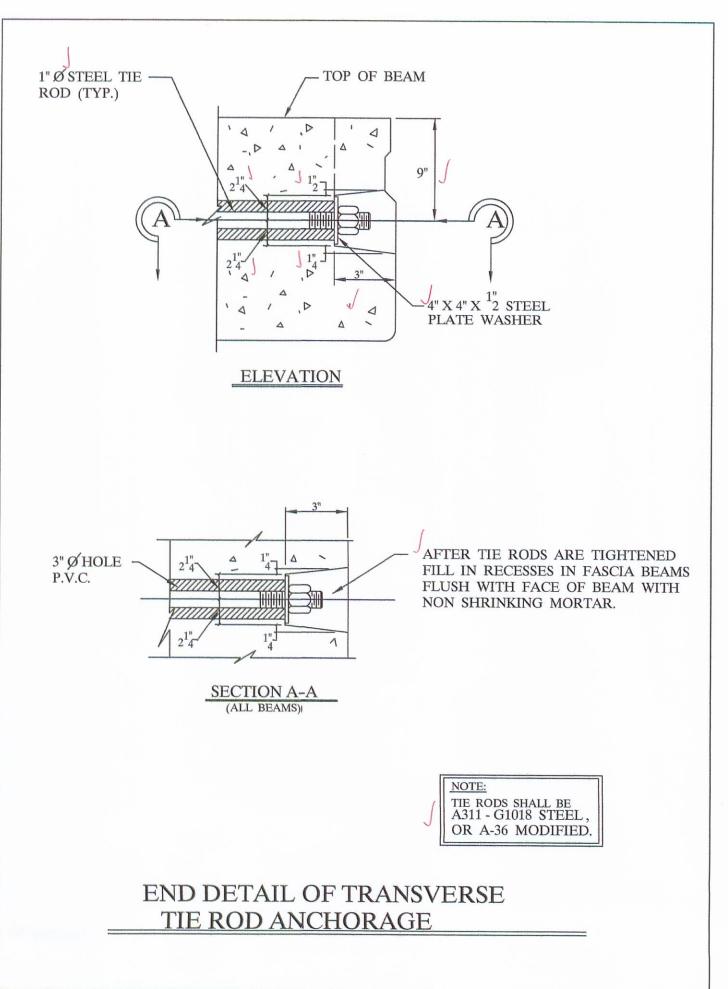
TNG.	DESCRIPTION:	BOX BEAM DETAILS SCALE:			DRAWN BY: PHIL	
43050	JOB NAME:	BRIDGE NO. BR 35 - 5.40 LOGAN COUNTY				
	DATE: MARCH 200	07	APPROVED BY: E.O.C.	4/7/	/ 07	DRAWING NO. 2 OF 4

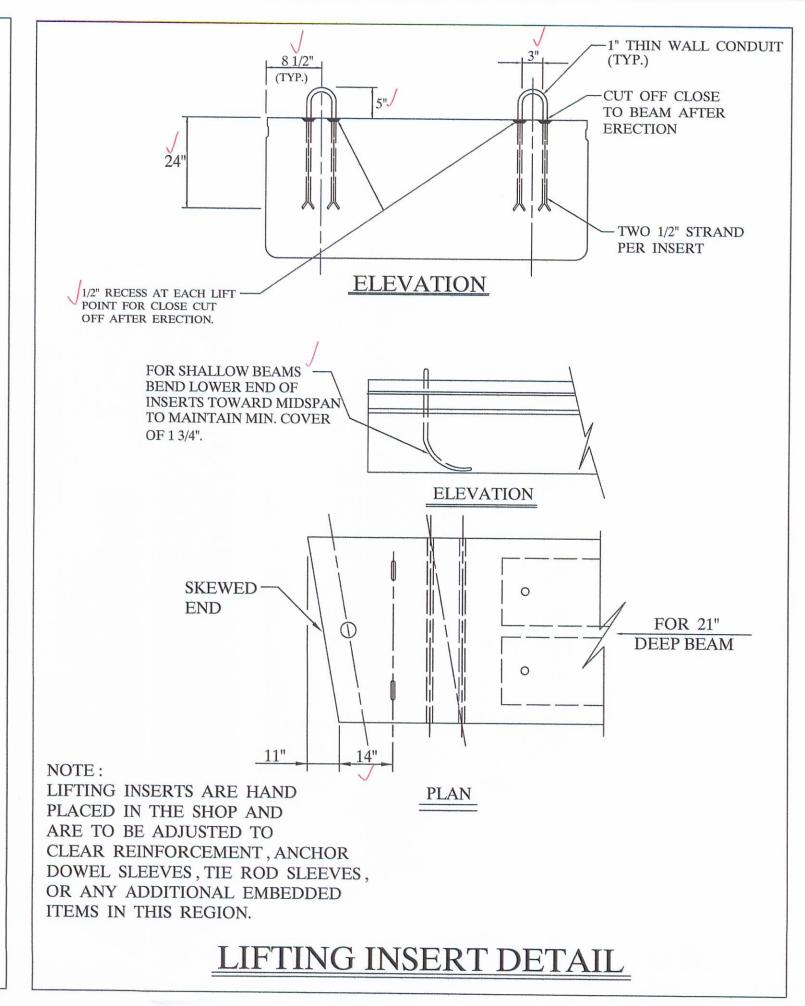
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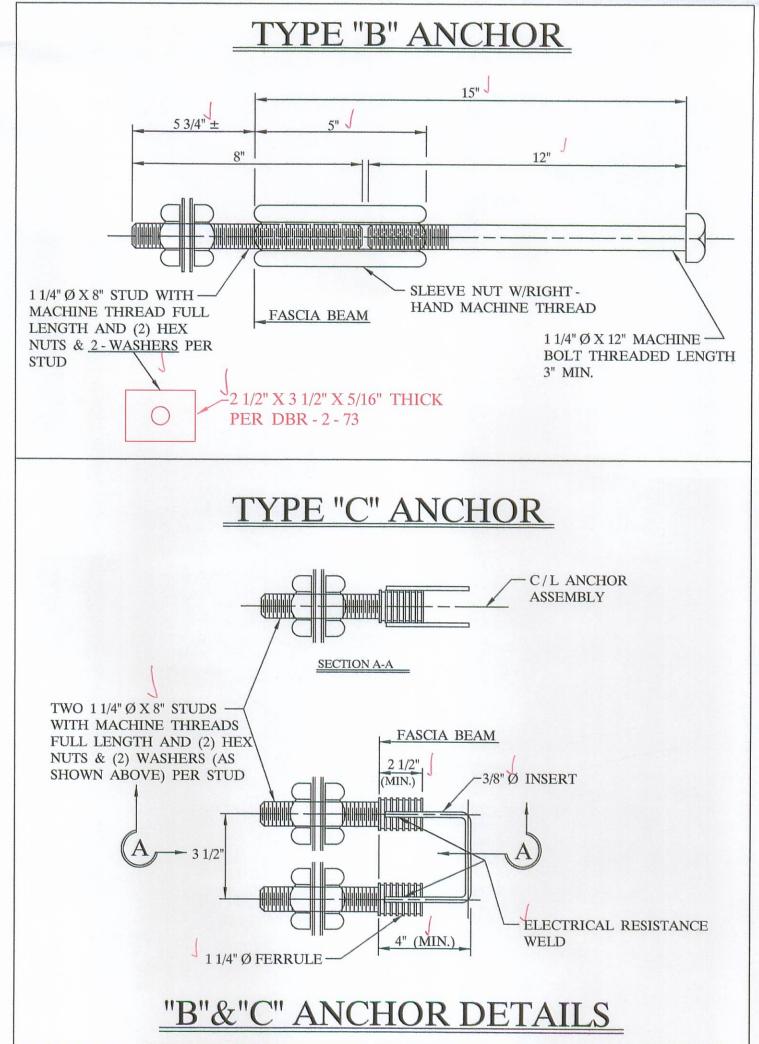


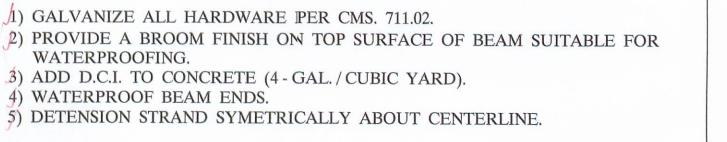




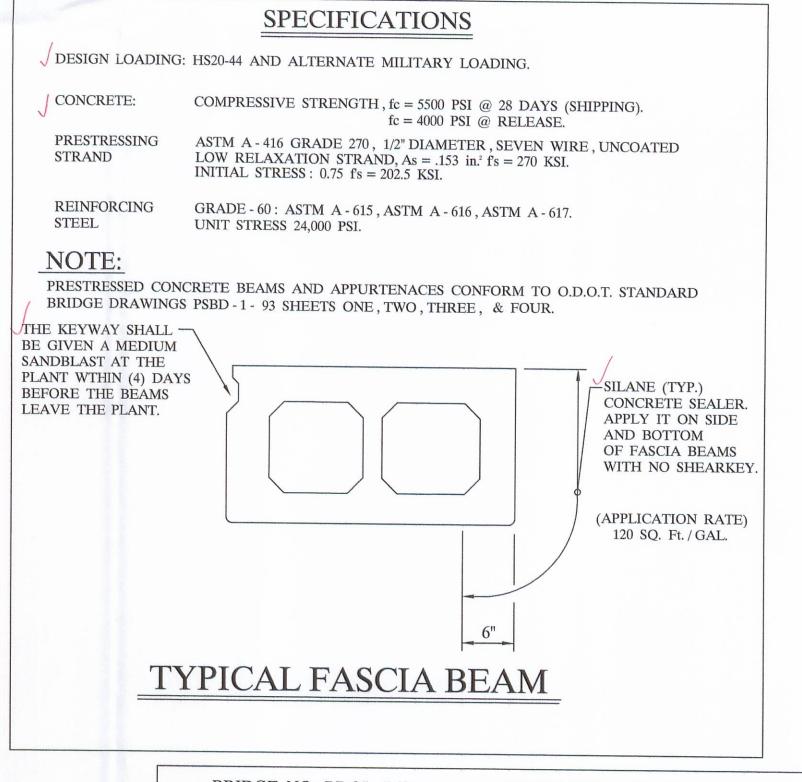


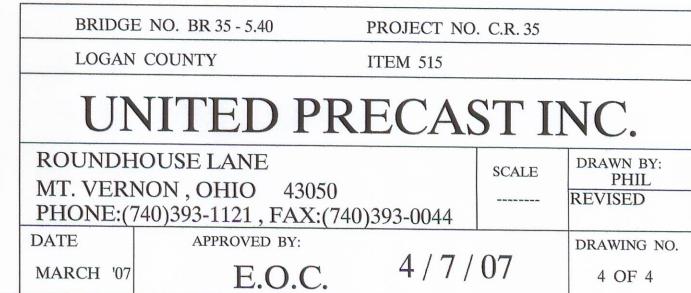






NOTE:





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