SPO. # 2014

6 - SPA. @ 7" = 42"

B12-48

 $\overline{(2 - REQUIRED)}$

DEBOND STRAND 1'-6" LONG AT EACH END OF BEAM

DEBOND STRAND 2'-6" LONG AT EACH END OF BEAM

/--- STRAND AREA IS .153 SQ. IN.

--- REBAR IS ALL GRADE - 60.

--- STIRRUPS UNDER STRAND.

--- ODOT 2005 SPECIFICATION.

--- STRAND IS LOW LAX.

QUALITY CONTROL NOTE:

--- INITIAL LOAD IS 30,982 # / STRAND.

--- CONCRETE STRENGTHS: 5500 PSI AT 28 DAYS

7-#4 BARS FULL LENGTH RUN (TOP)

4-#5 BARS FULL LENGTH RUN (BOTTOM)

✓ + 1/2" Ø STRANDS

-C/L OF 2"Ø

2" CLEAR

-1 1/4" CLEAR

DOWEL HOLE

PLEASE MARK SPO. # ON TOP OF ALL BEAMS ALONG WITH COUNTY NAME

C/L OF 2"Ø DOWEL HOLE

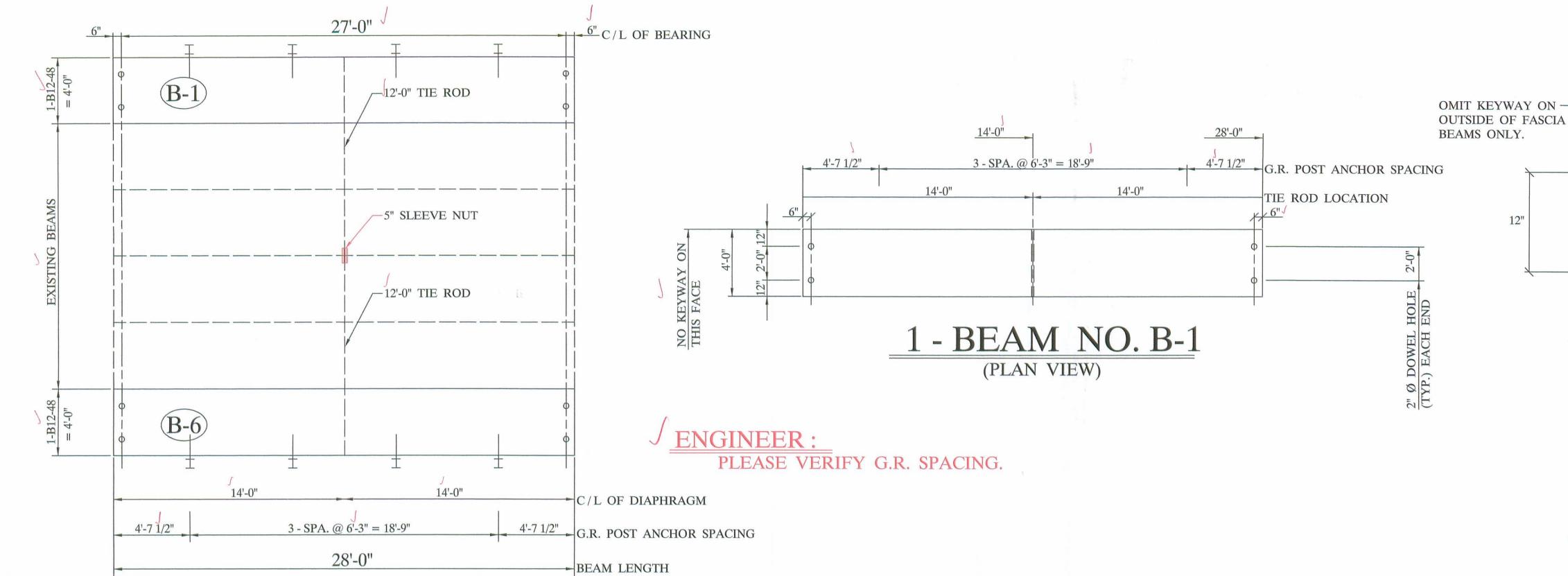
2" 14 - 1/2" Ø STRAND 270 KSI L.I

(18 - STRANDS TOTAL)

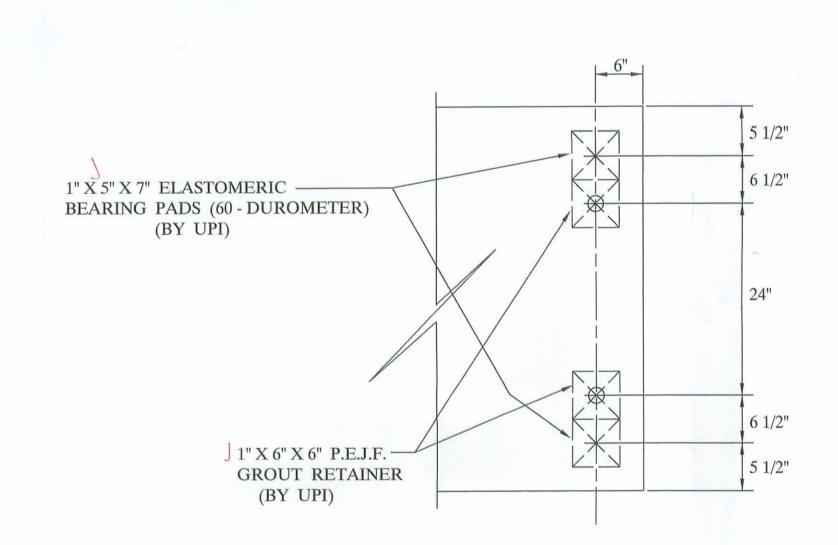
ENGINEER: PLEASE VERIFY

CONTRACT DRAWINGS CALL

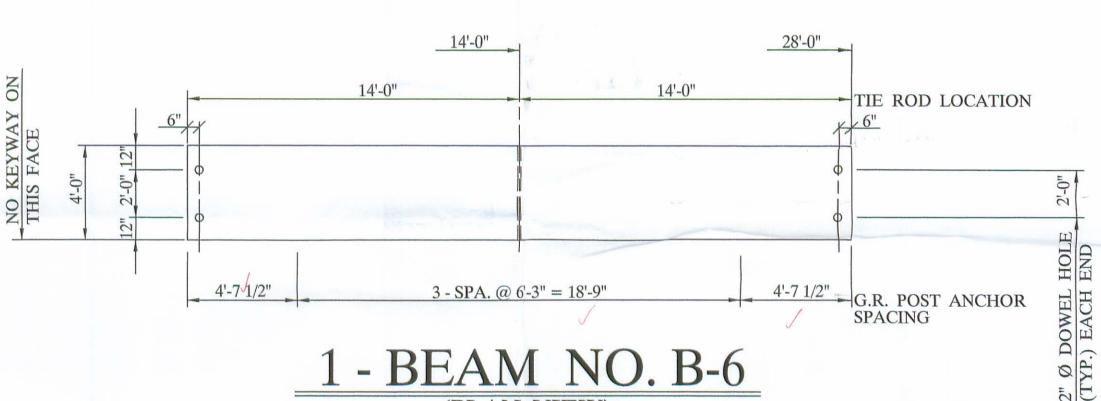
FOR #5, ODOT STD. #4?



DECK PLAN



BEARING PAD LAYOUT (PLAN VIEW)



1 - BEAM NO. B-6 (PLAN VIEW)

(ELEVATION)

-AT RELEASE = 5/8"AT ERECTION = 11/4" PRESTRESSED CONCRETE LONG TERM = 13/4" BOX BEAM -18 Guardrail Post Installed Type 2 8 E 19 " " (OFF Deck) Ship Loose 8 E 20 Guardrail Element 21 Tubular Bock-Up 22 Asphalt Joint Sealer 2"x1" x 48'+ 15 CAMBER DETAIL

MOUNT VERNON, OHIO 43050 PHONE : (740) 393-1121 FAX: (740) 393-0044

SCALE: DRAWN BY: BOX BEAM DETAILS PHIL JOB NAME: ITEM 515 REVISED: BRIDGE NO. LOG - 113 - 1.73 LOGAN COUNTY PROJECT NO. C.R. 113 DATE: APPROVED BY: DRAWING NO. E.O.C. JANUARY 2007 1 OF 3

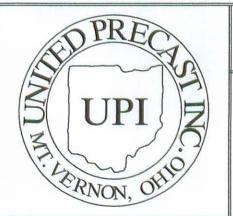
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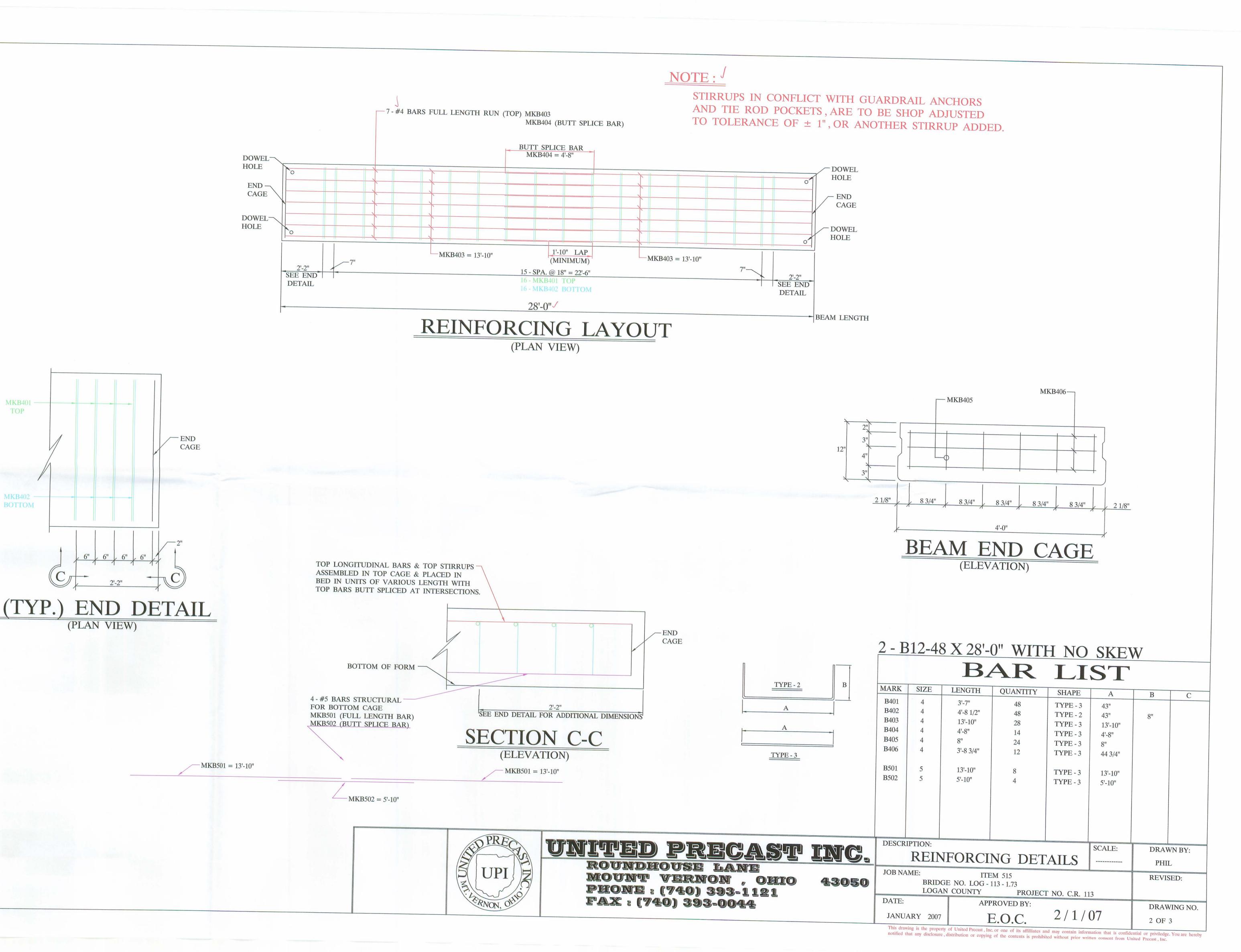
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OF MATERIALS

4000 PSI AT RELEASE

NO	ITEM	QTY/BEAM	NOTES	TOTAL
1	BEAM WEIGHT		17,360 #	
2	CONCRETE	4.2 CY.		8.4 CY.
3'	CALCIUM NITRITE	16.8 GAL.	(D.C.I.) 4 - GAL. / CY.	33.6 GAL.
4	STRAND		1/2" Ø STRAND 270 KSI L.L.	3,960 L.F.
5	RE - STEEL		GRADE - 60	745 #
6	TIE RODS 12'-0"		1" Ø STEEL ROD	2 EA.
7	TIE ROD SLEEVES			24 L.F.
8	SLEEVE NUT		5"	1 EA.
9	TYPE - B - ANCHORS			16 EA.
10	TYPE - C - ANCHORS			8 EA.
-11	DOWELS & SLEEVES		24	8 EA.
12	WASSER		MC - TAR	0.1 GAL.
13	SILANE			0.9 GAL.
14	JUTE		140	56 L.F.
15	BEARING PADS		1" X 5" X 7" , 1 - lam.	24 EA.
16	P.E.J.F.		1'x 6"x 6" 1" X 2" X 48"	8.2 S.F.24
17	NON-SHRINK GROUT ADDITIV	Æ	Grout Retainer	9 LBS.



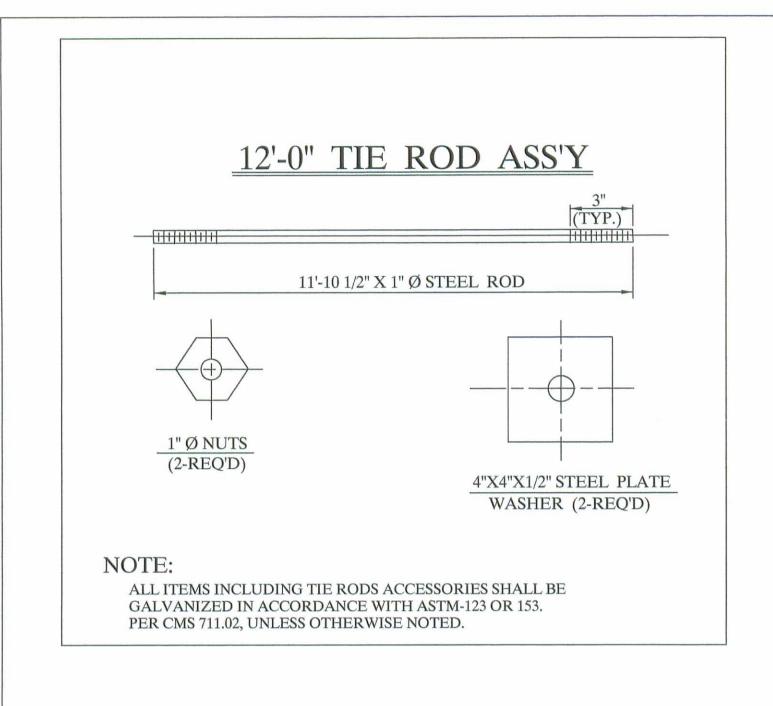


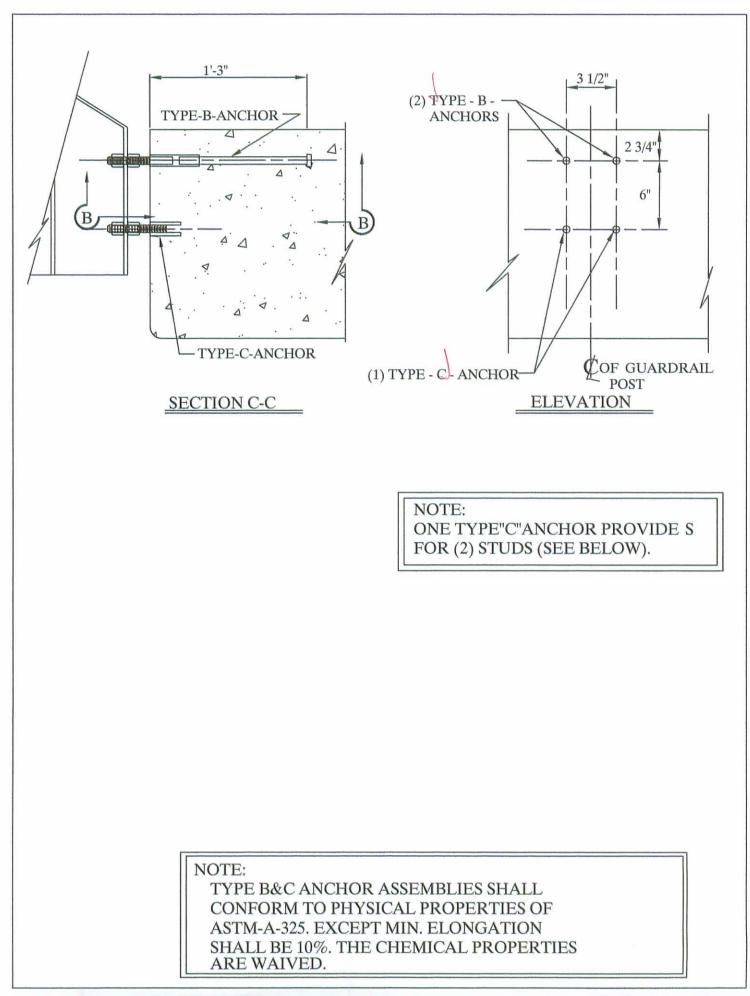
MKB401 TOP

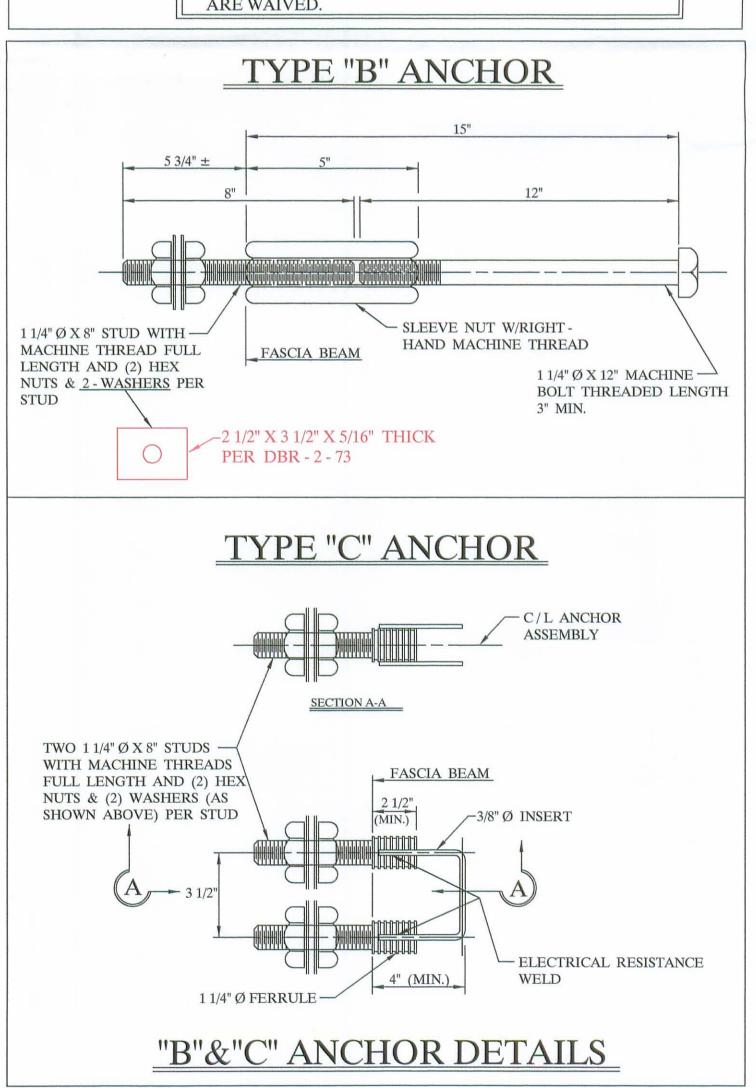
MKB402

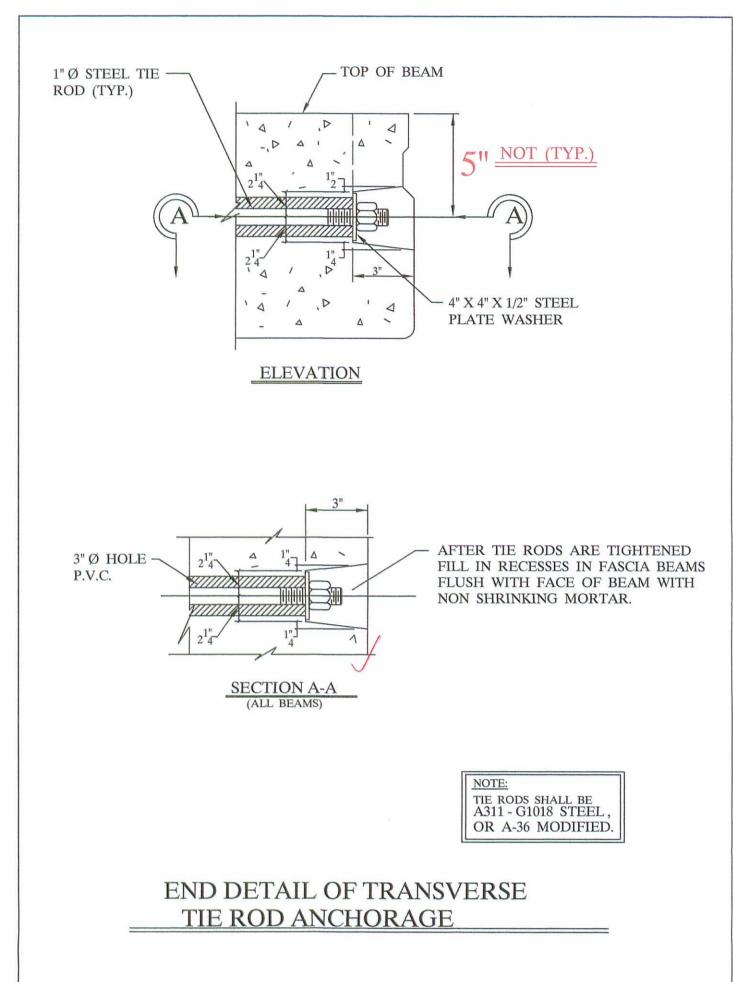
BOTTOM

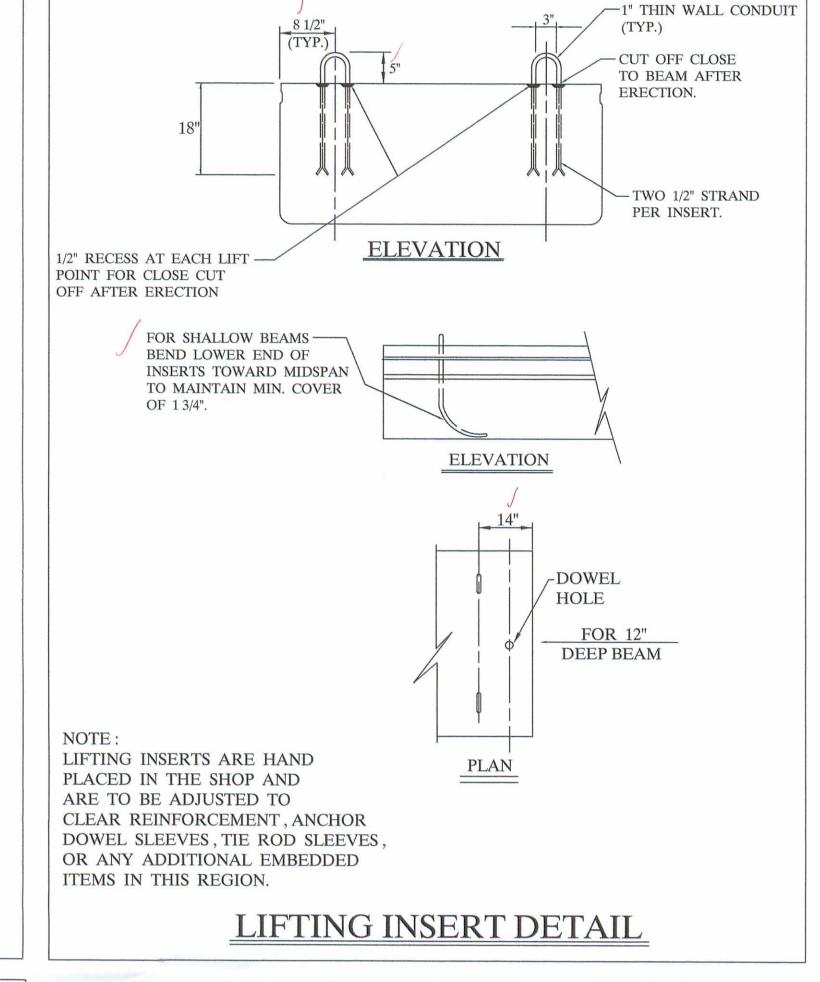
(PLAN VIEW)





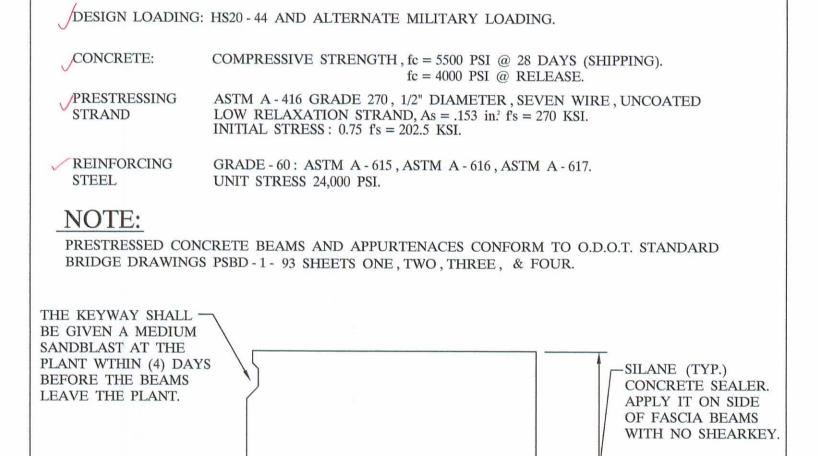








- () GALVANIZE ALL HARDWARE PER CMS. 711.02.
- 2) PROVIDE A BROOM FINISH ON TOP SURFACE OF BEAM SUITABLE FOR WATERPROOFING.
- 3) ADD D.C.I. TO CONCRETE (4-GAL./CUBIC YARD).
- 4) WATERPROOF BEAM ENDS.
- 5) DETENSION STRAND SYMETRICALLY ABOUT CENTERLINE.



SPECIFICATIONS

TYPICAL FASCIA BEAM BRIDGE NO. LOG - 113 - 1.73 ITEM 515 LOGAN COUNTY PROJECT NO. C.R. 113 UNITED PRECAST INC. ROUNDHOUSE LANE **SCALE** PHIL MT. VERNON, OHIO 43050 REVISED -----PHONE:(740)393-1121, FAX:(740)393-0044 DATE APPROVED BY: DRAWING NO. 2/1/07 E.O.C. JAN. 2007 3 OF 3

(APPLICATION RATE) 120 SQ. Ft. / GAL.

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