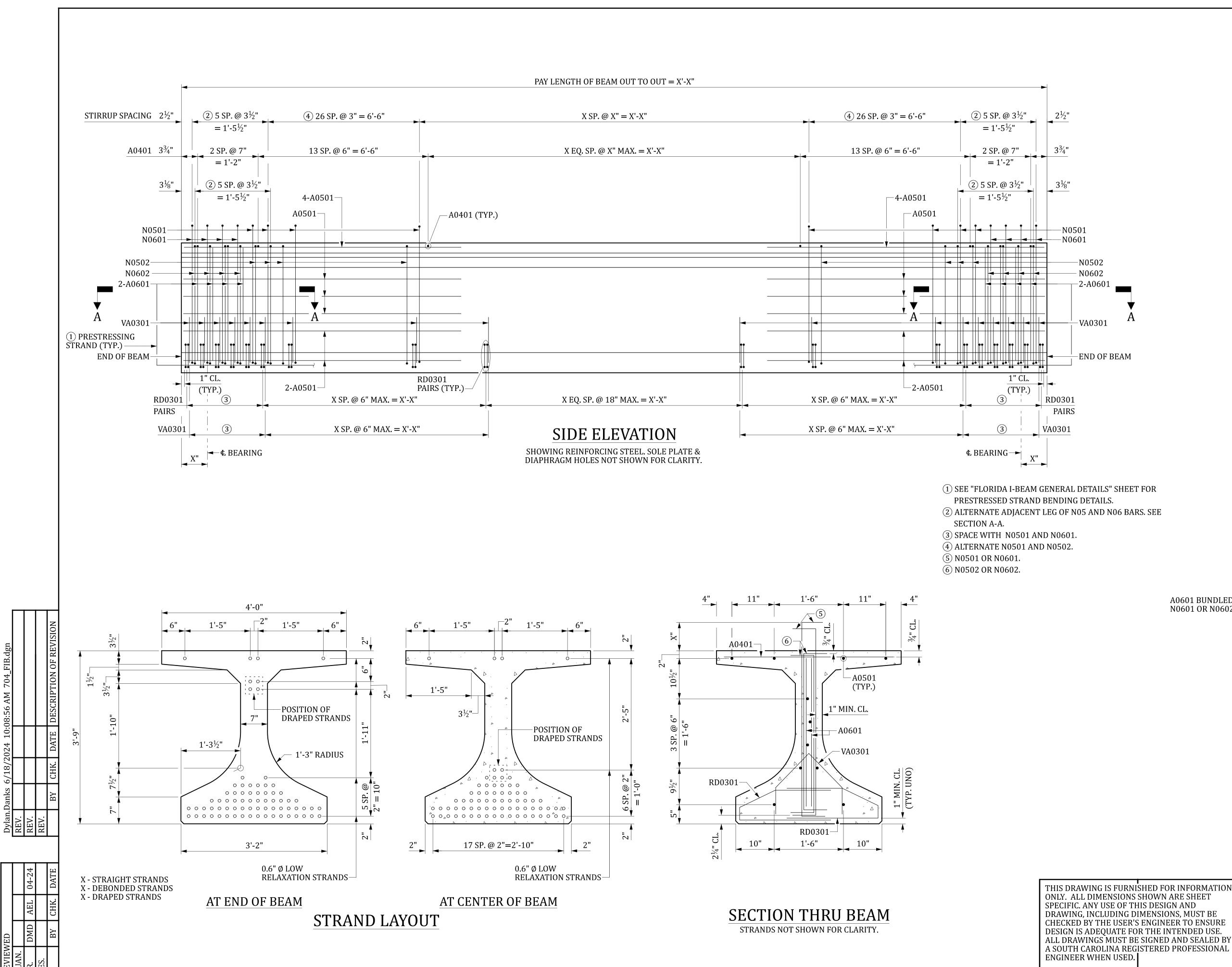


							DGE PLA		SHEET
		T							001
			BILL (JF MA				6 FI	B
	7	MARK	NO REQ'D	"a"	ע b"	IMENSI "c"	d"	"e"	LENGTH
	.Y - BEAM	A0401	X	3'-8"					3'-8"
	-Y- BF	A0402	X	7'-0"					7'-0"
	ED	A0501 A0601	20 16	12'-0" 2'-7"					12'-0" 2'-7"
	N O SS	N0501	X	10"	X'-X"	10"			Z - 7 X'-X''
	ION RE	N0502	X	10"	2'-9"	10"			4'-5"
	AT] ST	N0601	8	1'-0"	X'-X"	1'-0"			X'-X''
	RE	N0602	8	1'-0"	2'-9"	1'-0"		1	4'-9"
	OF S P	RD0301	X	2'-0"	3 ¹ / ₄ "	10"	1'-3"	4½"	4'-5"
	NF	VA0301 U0501	X X	6 ³ ⁄4" 2'-2"	$11\frac{1}{2}$ " 4"	7¾"	8½"		3'-2" 4'-8"
	FOR INFORMATION ONLY PAID FOR AS PRESTRESSED B	00301	Λ			יודוד	20		4-0
	FO D F		זיירי		UAN		1		
	AII	CONCRE'	ITEI TE. f c X			UNIT CY		ONE BEA	
	<u>д</u>	REINFOR				LB		XXXX	
		0.6" Ø L.I	R. STRAI	NDS		LF		XXXX	
		STRUCTU	URAL ST	EEL		LS	AS	NECESS	SARY
	(° FUL 1≜ FUL ∳ DEB	0.6" ARE TEN CON f'c = f'ci =	ANDS: Ø LOW A=0.21 SIONIN CRETE: X.X KSI X.X KSI X.X KSI MENT S DED STR DED STR STRANI	RELAX 7 SQ. II G LOAI TEEL XANDS XANDS DS FOR	N.) = 43.9 TO BE F X'-X" F	GRADE 2 0 KIPS	ED D OF BE	
A0601 BUNDLED V N0601 OR N0602 (UIN CI								N0602 N0501 N0502 N0601
E	ND OF		2	/					
	EAM —		$^{2)}$ SE()N A	A-A		Ι	
	SH	OWING BA					602 & A	0601 ON	ILY.
-									
		С	ONSU	LTAN	T NA	ME/	LOGC)	
R INFORMATION				UTH					
ARE SHEET GN AND		DEPAR	RULE I	NT OI	- TRA	ANSP	ORTA	TION	
ONS, MUST BE EER TO ENSURE	חח	ГСТТ	ጋፑኖና	ריקי	൨൨ൔ	ורח	Եսւ	חח י	\ \ <i>\</i>
NTENDED USE. AND SEALED BY		ESTE							
PROFESSIONAL		86'' F	LUR	IDA	I-R	EAN	A SP	AN X	Υ.
I									

ROUTE: ####

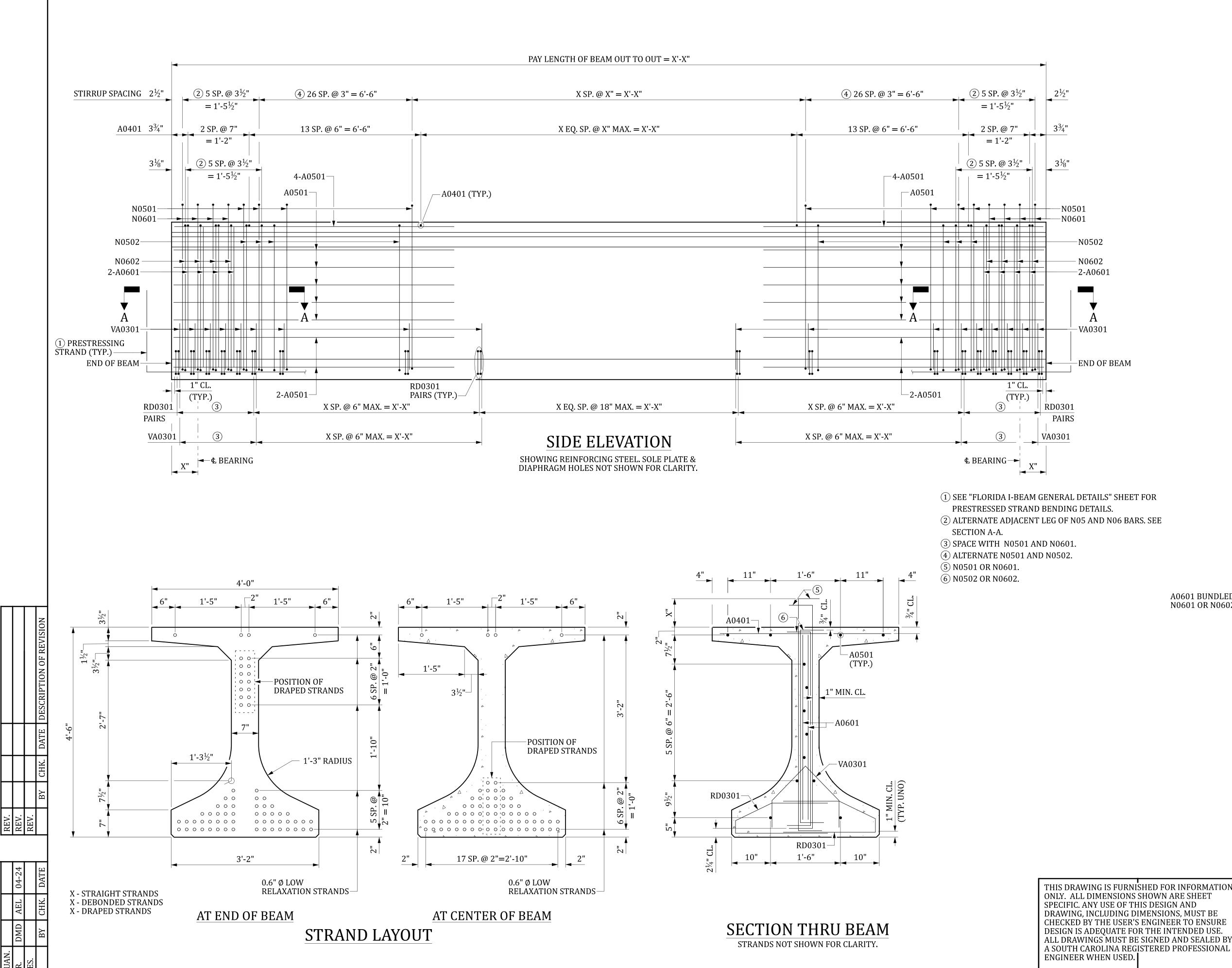
DRAWING NUMBER: 704-FIB.36.SPXXX



							DGE PL/		SHEET 002
			BILL (OF MA	ATER				
			NO			IMENSI			
	M	MARK	REQ'D	"a"	"b"	"c"	"d"	"e"	LENGTH
	Y - BEAM	A0401 A0402	X X	3'-8" 7'-0"					3'-8" 7'-0"
	D H	A0501	22	12'-0"					12'-0"
	SSE	A0601	16 V	3'-4"					3'-4"
	ON	N0501 N0502	X X	10" 10"	X'-X" 3'-6"	10" 10"			X'-X" 5'-2"
	RMATION ONI PRESTRESSED	N0601	8	1'-0"	X'-X"	1'-0"			X'-X"
	RE RE	N0602	8	1'-0"	3'-6"	1'-0"			5'-6"
	NFOF AS P	RD0301	X	2'-0"	3 ¹ / ₄ "	10"	1'-3"	4½"	4'-5" 3'-2"
	INF R A	VA0301 U0501	X X	6 ³ ⁄4" 2'-11"	11½" 4"	7¾"	8½"		6'-2"
	FOR INFORMATION ONLY D FOR AS PRESTRESSED E					TITI	ES		
	FC ID]		ITEI		<u></u>	UNIT		ONE BE	AM
	F PAID	CONCRE				СҮ		XXXX.	
		REINFOR						XXXX	
		0.6" Ø L.I STRUCTI				LF LS	AS	XXXX NECES	
		° FUL 1≜ FUL ∲ DEB	0.6" ARE TEN CON f'c = f'ci =	DED STF DED STF STRANI	7 SQ. II G LOAI I TEEL RANDS RANDS DS FOR	N. D = 43.9 TO BE E . X'-X" F	KIPS XTEND ROM EN	ED D OF BE	
	UND OF EAM								N0602 N0501 N0502 N0601
	511		ONSU						
OR INFORMATION N ARE SHEET IGN AND		DEPAF		UTH NT OI				TION	[
ONS, MUST BE IEER TO ENSURE INTENDED USE. D AND SEALED BY D PROFESSIONAL		ESTI 15'' F							

ROUTE: ####

DRAWING NUMBER: 704-FIB.45.SPXXX



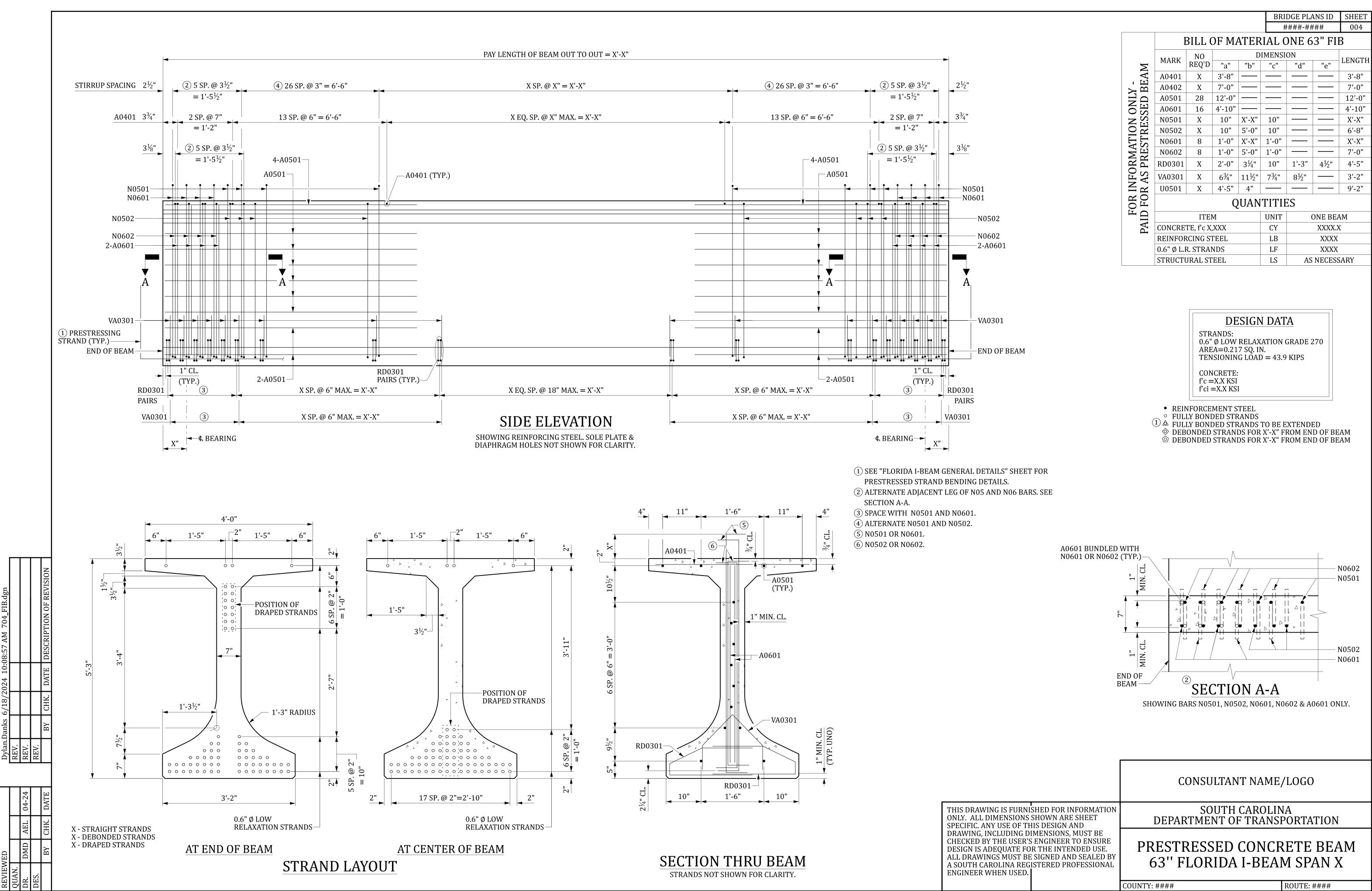
		_			T				003
]	SILL (JF MA	ATER	IAL (JNE 5	54" FI	В
		MARK	NO		D	IMENSI	ON	1	LENGTH
	Σ		REQ'D	"a"	"b"	"c"	"d"	"e"	
	Y - BEAM	A0401	Х	3'-8"					3'-8"
		A0402	X	7'-0"	·				7'-0"
	ONLY SED B	A0501	26	12'-0"					12'-0"
	SSI	A0601	16 V	4'-1"		10"			4'-1"
	E	N0501	X	10"	X'-X"	10"			X'-X"
	TR	N0502 N0601	X 8	10" 1'-0"	4'-3" X'-X"	10" 1'-0"			5'-11" X'-X"
	ES	N0601 N0602	0 8	1'-0"	A -A 4'-3"	1'-0"			6'-3"
	FOR INFORMATION ON D FOR AS PRESTRESSE	RD0301	X	2'-0"	3 ¹ / ₄ "	10"	1'-3"	4½"	4'-5"
	S F							472	
	NF	VA0301	X	6 ³ / ₄ "	11½"	7¾"	8½"		3'-2"
	S IN DR	U0501	Х	3'-8"	4"				7'-8"
	'OR FO			Q	UAN	TITI	ES		
	FAID		ITEI	M		UNIT		ONE BE	AM
	PA	CONCRE	TE, f'c X,	XXX		СҮ		XXXX.	X
		REINFOR	RCING ST	ΓEEL		LB		XXXX	
		0.6" Ø L.I				LF		XXXX	
		STRUCT	JRAL ST	EEL		LS	AS	S NECES	SARY
ΥE	(° FUL 1≜ FUL ∲ DEB	0.6" ARE TEN CON f'c = f'ci = NFORCE LY BONI LY BONI ONDED	DED STF DED STF STRANI	7 SQ. II G LOAI I TEEL RANDS RANDS ' DS FOR	N. D = 43.9 TO BE E X'-X" F	KIPS XTEND ROM EN		
A0601 BUNDLED N0601 OR N0602									N0602 N0501
	MIN. CL.		2)						N0502 N0601
	SH	OWING BA					602 & A	0601 01	ν LΥ.
) FOR INFORMATION		C	ONSU	UTAN)	
WN ARE SHEET ESIGN AND ISIONS, MUST BE		DEPAR	TME	NT OI	F TRA	ANSP	ORTA		
INEER TO ENSURE E INTENDED USE. NED AND SEALED BY RED PROFESSIONAL		ESTE 54'' F							

ROUTE: ####

BRIDGE PLANS ID

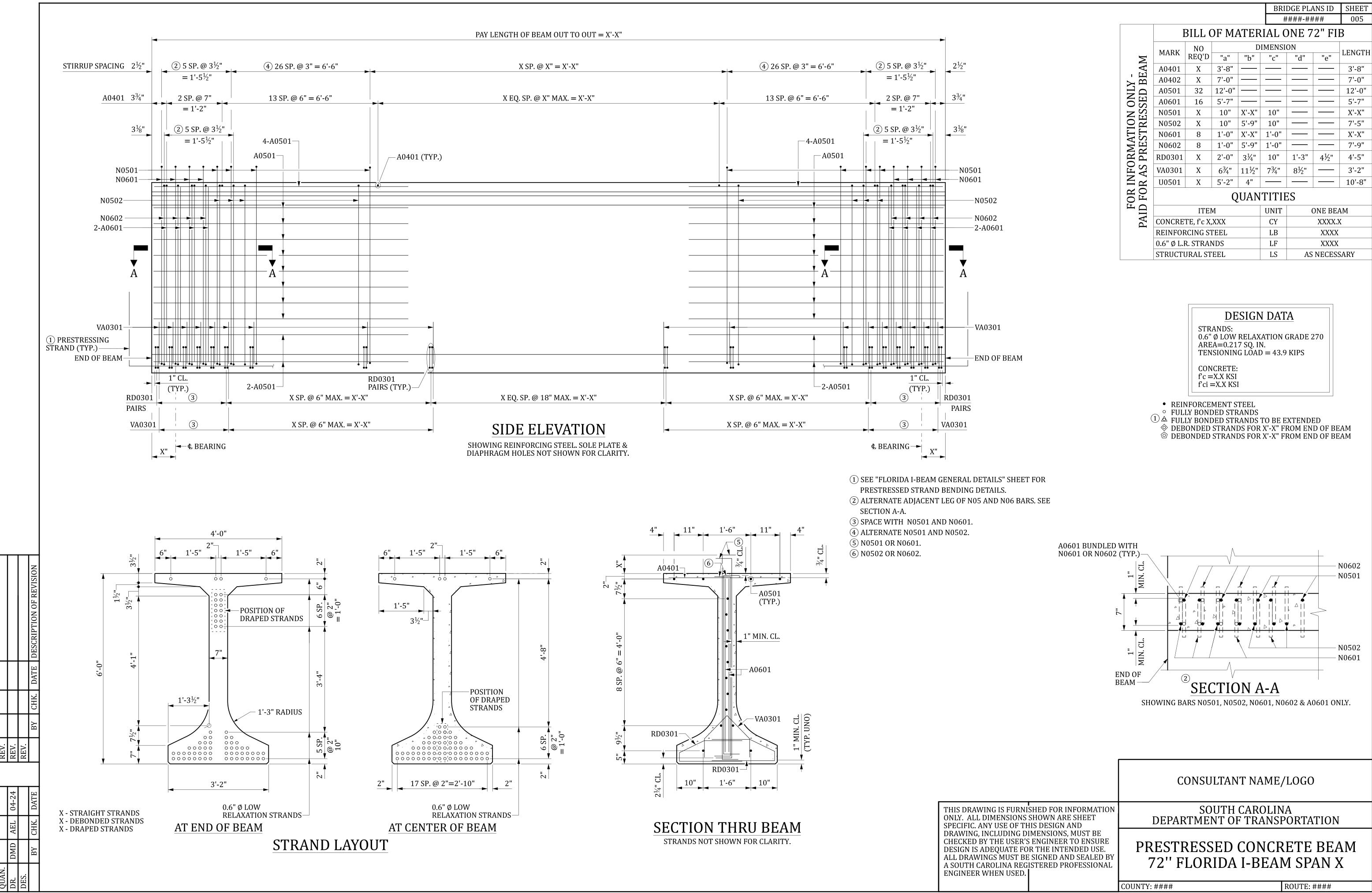
SHEET

DRAWING NUMBER: 704-FIB.54.SPXXX



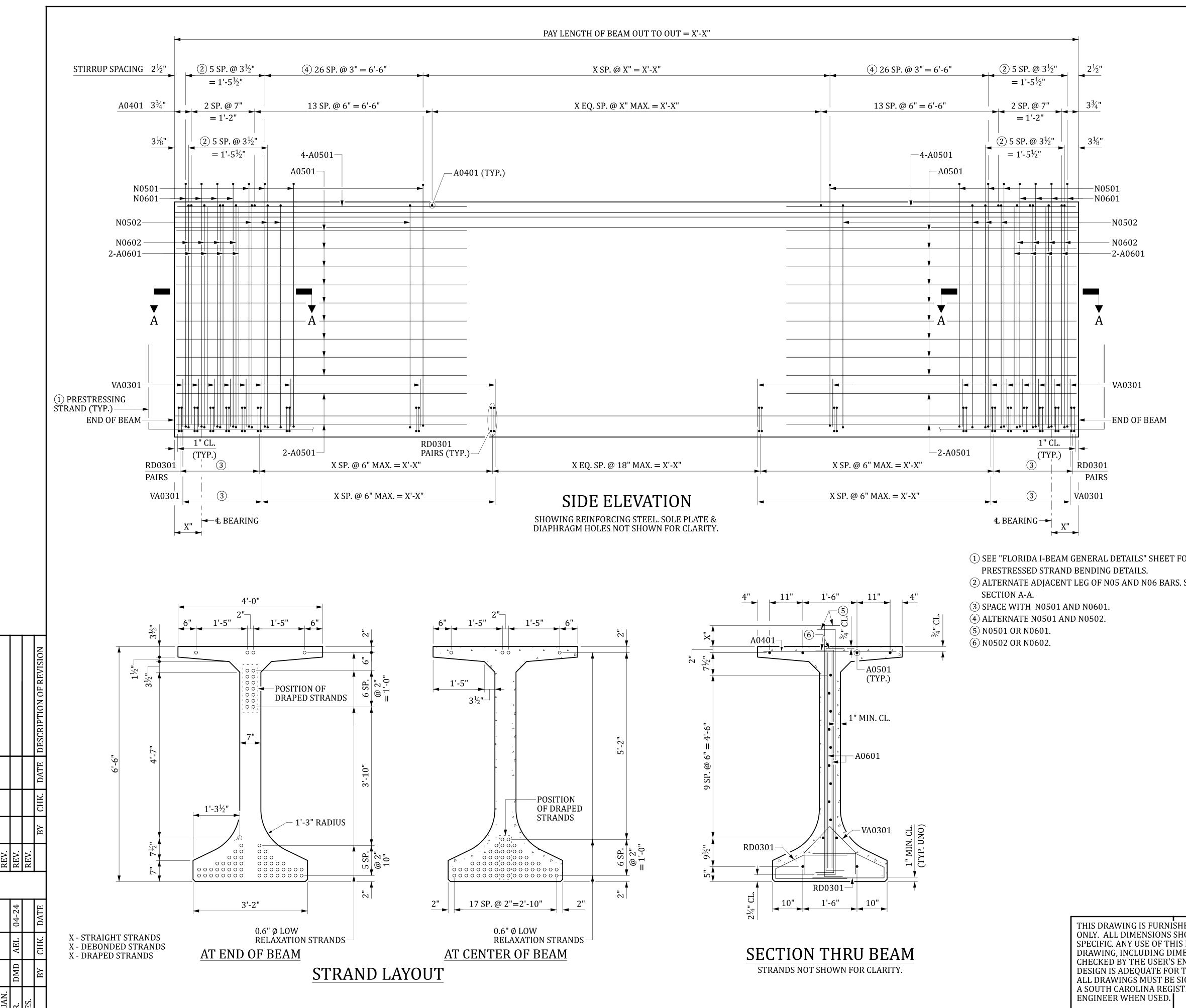
					BRI	DGE PLA	ANS ID	SHEET
					#	*###-##	###	004
	F	BILL (OF MA	ATER	CIAL C	ONE 6	3" FI	В
	MARK	NO		D	IMENSI	ON	-	LENGTH
	MARK	REQ'D	"a"	"b"	"c"	"d"	"e"	LENGIII
I	40401	Х	3'-8"					3'-8"
A	A0402	Х	7'-0"		. <u></u>			7'-0"
F	A0501	28	12'-0"					12'-0"
I	A0601	16	4'-10"					4'-10"
Ν	N0501	Х	10"	X'-X"	10"			X'-X"
N	N0502	Х	10"	5'-0"	10"			6'-8"
-	N0601	8	1'-0"	X'-X"	1'-0"			X'-X''
<u> </u>	10602	8	1'-0"	5'-0"	1'-0"			7'-0"
R	D0301	Х	2'-0"	3¼"	10"	1'-3"	4½"	4'-5"
V	A0301	Х	6¾"	11½"	7¾"	8½"		3'-2"
J	J0501	Х	4'-5"	4"				9'-2"
			Q	UAN	TITIE	ES		
		ITEN	M		UNIT	(ONE BEA	AM
C	ONCRE'	ГЕ, f'с Χ,	XXX		CY		XXXX.	X
R	EINFOF	CING ST	ΓEEL		LB		XXXX	
0.	.6" Ø L I	R. STRAI	NDS		LF		XXXX	
S	ΓRUCTU	JRAL ST	EEL		LS	AS	NECES	SARY

DRAWING NUMBER: 704-FIB.63.SPXXX



								-	
					BRI	DGE PLA	ANS ID	SHEET	
					#	###-##	###	005	
	I	BILL (OF MA	ATER	AIAL C)NE 7	2" FI	В	
	MARK	NO		D	IMENSI	IMENSION			
Σ	MARK	REQ'D	"a"	"b"	"c"	"d"	"e"	LENGTH	
Y - BEAM	A0401	Х	3'-8"					3'-8"	
H - B	A0402	Х	7'-0"					7'-0"	
D	A0501	32	12'-0"					12'-0"	
SE	A0601	16	5'-7"					5'-7"	
Z SI	N0501	Х	10"	X'-X"	10"			X'-X"	
RI NI	N0502	Х	10"	5'-9"	10"			7'-5"	
T	N0601	8	1'-0"	X'-X"	1'-0"			X'-X"	
M/M/	N0602	8	1'-0"	5'-9"	1'-0"			7'-9"	
INFORMATION ONI R AS PRESTRESSED	RD0301	Х	2'-0"	3¼"	10"	1'-3"	4½"	4'-5"	
AS	VA0301	Х	6¾"	11½"	7¾"	8½"		3'-2"	
R N	U0501	Х	5'-2"	4"				10'-8"	
FOR INFORMATION ONLY D FOR AS PRESTRESSED E			Q	UAN	TITIE	ES			
ID H		ITEI	М		UNIT	(ONE BEA	AМ	
FI	CONCRE'	TE, f'c X,	XXX		CY		XXXX.X	K	
	REINFOF	RCING ST	ΓEEL		LB		XXXX		
	0.6" Ø L.I	R. STRAI	NDS		LF		XXXX		
	STRUCT	JRAL ST	'EEL		LS	AS	NECESS	SARY	

DRAWING NUMBER: 704-FIB.72.SPXXX



			NO		D	IMENSI	ON		LENCEU
	N	MARK	REQ'D	"a"	"b"	"c"	"d"	"e"	LENGTH
	Y - BEAM	A0401	X	3'-8"					3'-8"
) B.	A0402 A0501	X 34	7'-0" 12'-0"					7'-0" 12'-0"
	SEL	A0601	16	6'-1"					6'-1"
	ESC S	N0501	Х	10"	X'-X"	10"			X'-X"
	RMATION ON PRESTRESSE	N0502	X	10"	6'-3"	10"			7'-11"
	EST	N0601	8 8	1'-0" 1'-0"	X'-X" 6'-3"	1'-0" 1'-0"			X'-X" 8'-3"
	RM	N0602 RD0301	о Х	2'-0"	$3\frac{1}{4}$ "	1-0	1'-3"	4 ¹ ⁄ ₂ "	8-3 4'-5"
	NFO AS F	VA0301	X	6 ³ /4"	$11\frac{1}{2}$	7 ³ / ₄ "	1 5 8½"		3'-2"
	INFORMATION ONLY R AS PRESTRESSED E	U0501	X	5'-8"	4"	//4			11'-8"
	OR FOI				_	TITIE	25		
	ΔH		ITEN		John	UNIT		ONE BEA	ΔΜ
	PAI	CONCRE'				CY		XXXX.X	
		REINFOF	RCING ST	TEEL		LB		XXXX	
		0.6" Ø L.I				LF		XXXX	
		STRUCT	JRAL ST	EEL		LS	AS	NECESS	SARY
'OR . SEE	(O FUL ○ FUL ◇ FUL ◇ DEB	0.6" ARE TEN CON f'c = f'ci =	ANDS: Ø LOW A=0.21 SIONIN CRETE: X.X KSI =X.X KSI =X.X KSI MENT S DED STF DED STF STRANI	RELAX 7 SQ. II G LOAD I TEEL RANDS RANDS ' DS FOR	N.) = 43.9 TO BE E X'-X" FI	GRADE 2 KIPS	ED D OF BE	
	UND OF EAM	DWING BA					502 & A		N0602 N0501 N0502 N0601
		C	ONSU	LTAN	IT NA	AME/	LOGC)	
IED FOR INFORMATION IOWN ARE SHEET S DESIGN AND		DEPAR				OLIN ANSP		TION	
IENSIONS, MUST BE ENGINEER TO ENSURE THE INTENDED USE. IGNED AND SEALED BY TERED PROFESSIONAL		ESTF 78'' F							

ROUTE: ####

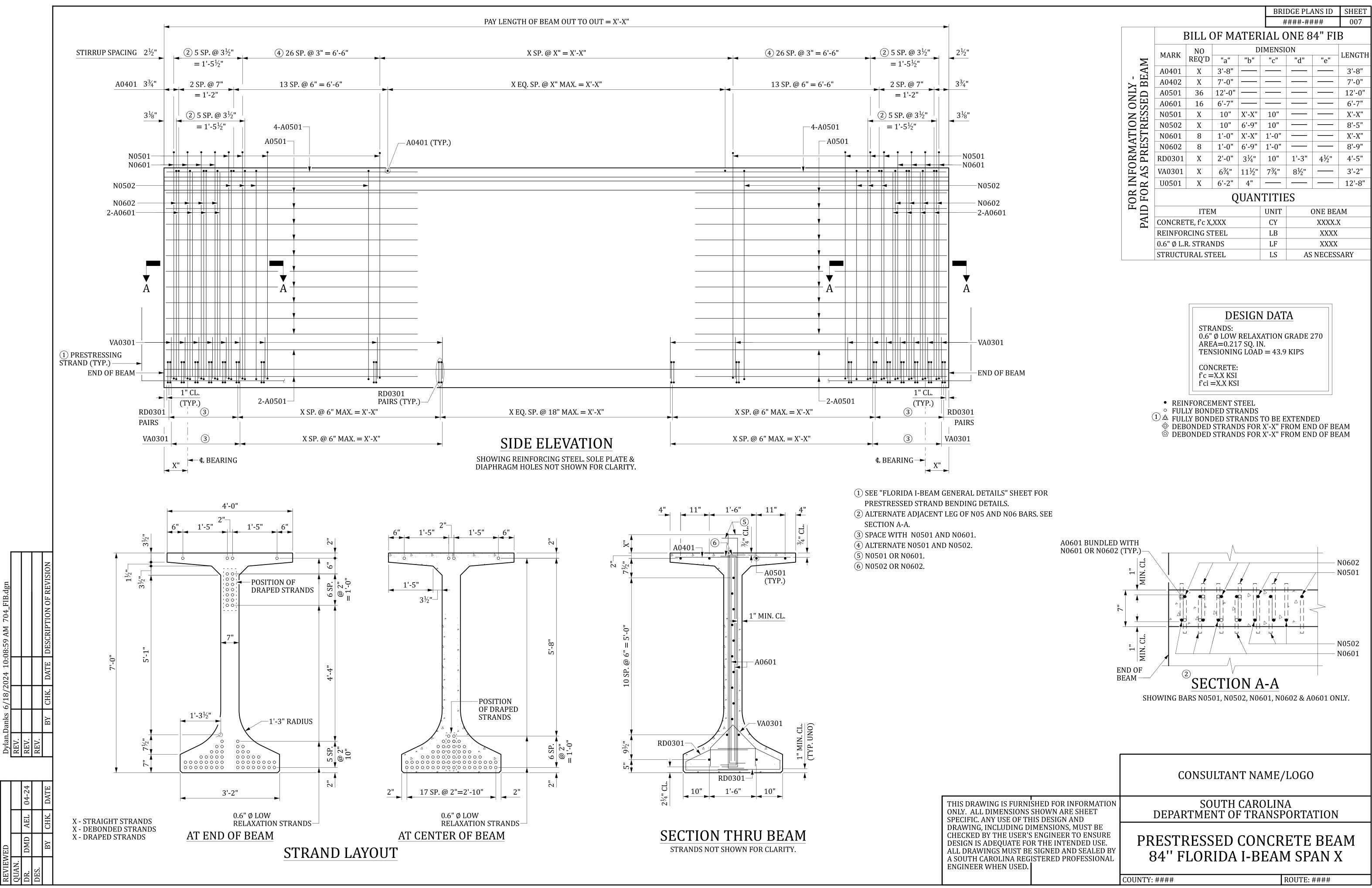
BRIDGE PLANS ID

####-####

BILL OF MATERIAL ONE 78" FIB

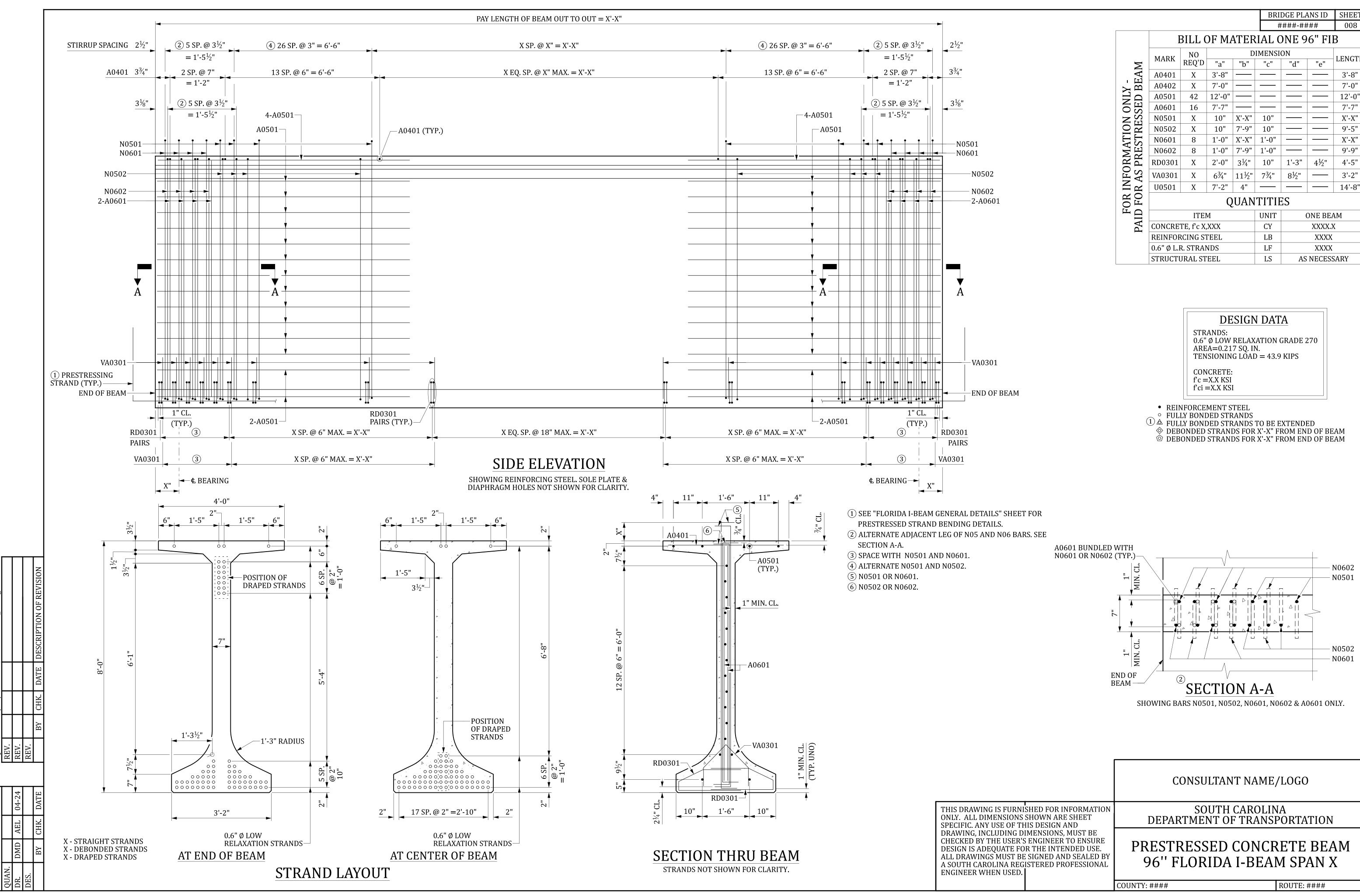
SHEET 006

DRAWING NUMBER: 704-FIB.78.SPXXX



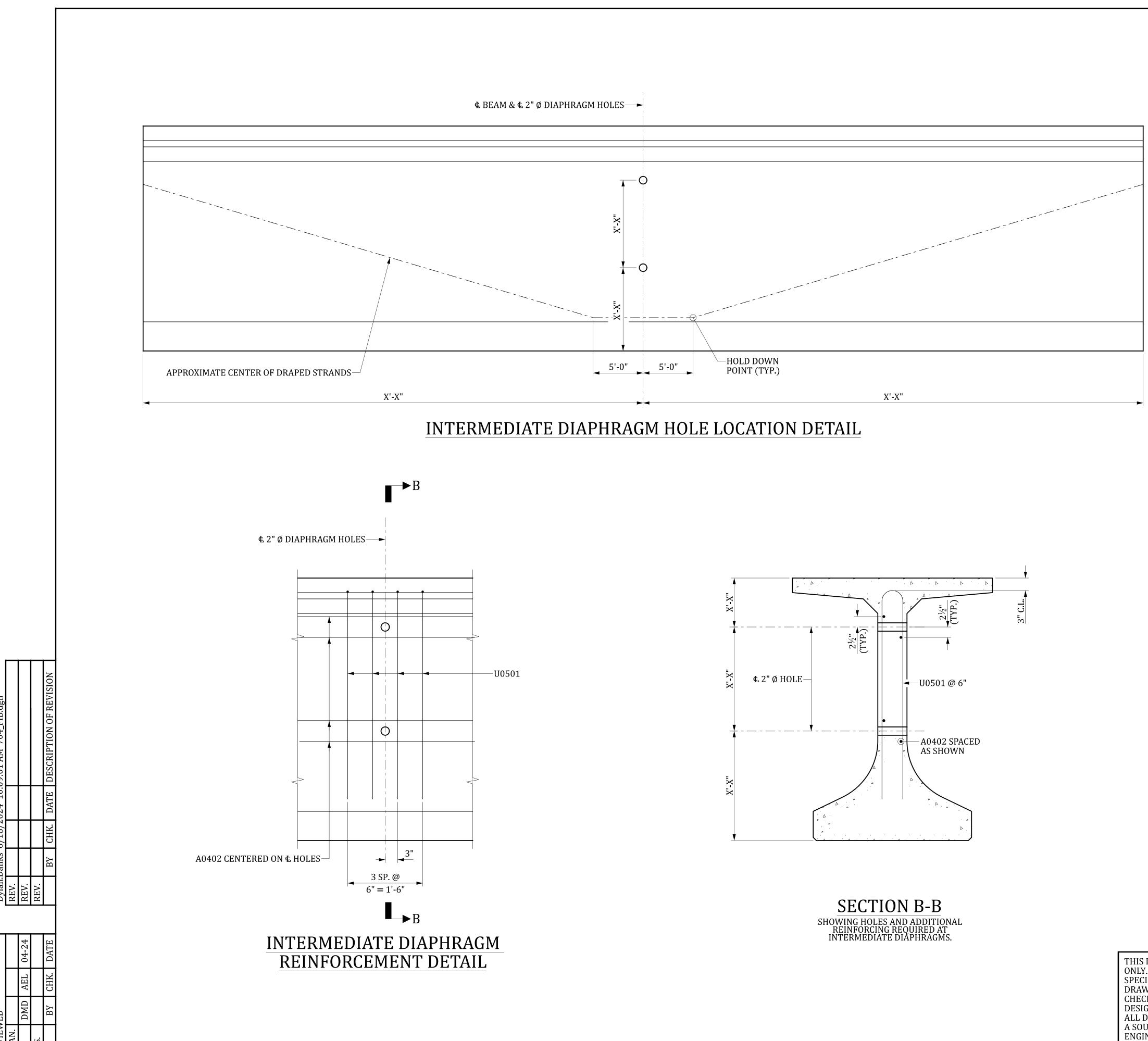
					BRI	DGE PLA	ANS ID	SHEET
					#	###-##	###	007
	E	BILL (OF MA	ATER	IAL ()NE 8	4" FI	В
		NO		D	IMENSI	ON		LENCTU
	IARK	REQ'D	"a"	"b"	"c"	"d"	"e"	LENGTH
A	0401	Х	3'-8"			·		3'-8"
A	0402	Х	7'-0"			·		7'-0"
A	0501	36	12'-0"					12'-0"
A	0601	16	6'-7"					6'-7"
N	0501	Х	10"	X'-X"	10"			X'-X"
N	0502	Х	10"	6'-9"	10"			8'-5"
N	0601	8	1'-0"	X'-X"	1'-0"			X'-X''
Ν	0602	8	1'-0"	6'-9"	1'-0"			8'-9"
RD	00301	Х	2'-0"	3¼"	10"	1'-3"	4½"	4'-5"
VA	0301	Х	6¾"	11½"	7¾"	8½"		3'-2"
U	0501	Х	6'-2"	4"				12'-8"
			Q	UAN	TITIE	ES		
		ITE	M		UNIT		ONE BEA	AM
CO	NCRE	ГЕ, f'с X,	XXX		СҮ		XXXX.X	K
RE	EINFOR	CING ST	reel		LB		XXXX	
0.6	5" Ø L.F	R. STRAN	NDS		LF		XXXX	
ST	RUCTU	JRAL ST	EEL		LS	AS	NECESS	SARY

DRAWING NUMBER: 704-FIB.84.SPXXX



					BRI	DGE PLA	ANS ID	SHEET		
					#	###-##	###	008		
	BILL OF MATERIAL ONE 96" FIB									
	MARK	NO		D	IMENSI	ON	-	LENGTH		
Z	MANN	REQ'D	"a"	"b"	"c"	"d"	"e"	LEINGIII		
Ą	A0401	Х	3'-8"					3'-8"		
D FOR AS PRESTRESSED BE	A0402	Х	7'-0"					7'-0"		
D	A0501	42	12'-0"					12'-0"		
SE	A0601	16	7'-7"					7'-7"		
Ś	N0501	X	10"	X'-X"	10"			X'-X''		
RI	N0502	Х	10"	7'-9"	10"			9'-5"		
ST	N0601	8	1'-0"	X'-X"	1'-0"	·		X'-X"		
Ë	N0602	8	1'-0"	7'-9"	1'-0"			9'-9"		
РБ	RD0301	Х	2'-0"	3¼"	10"	1'-3"	4½"	4'-5"		
R AS PRESTRESSED BEAM	VA0301	Х	6¾"	11½"	7¾"	8½"		3'-2"		
R	U0501	Х	7'-2"	4"				14'-8"		
PAID FO			Q	UAN	TITIE	ES				
ID		ITEI	M		UNIT	(ONE BEA	AM		
PA	CONCRE	TE, f'c X,	XXX		СҮ		XXXX.	K		
	REINFOR	RCING ST	ΓEEL		LB		XXXX			
	0.6" Ø L.I	R. STRAI	NDS		LF		XXXX			
	STRUCT	JRAL ST	EEL		LS	AS	AS NECESSARY			

DRAWING NUMBER: 704-FIB.96.SPXXX

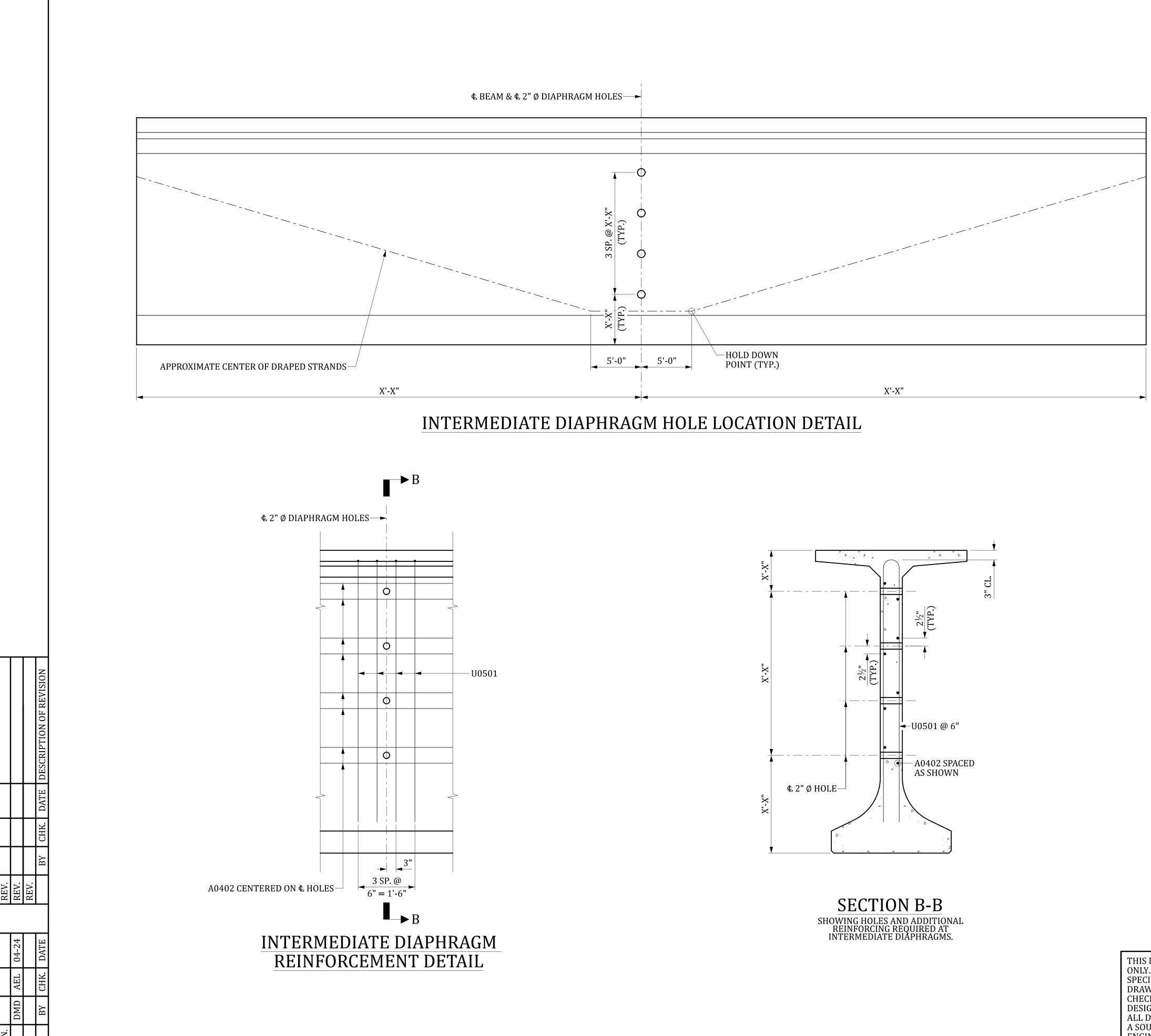


THIS DRAWING IS FUR ONLY. ALL DIMENSIO SPECIFIC. ANY USE OF DRAWING, INCLUDIN CHECKED BY THE US DESIGN IS ADEQUATE ALL DRAWINGS MUST A SOUTH CAROLINA ENGINEER WHEN US

				BRI	DGE PLANS ID
				#	*###-####
BEA	AM CAMI	BERS &	DEFLEC'	τιον	S
	AM CAMI	BERS &	DEFLEC' DEFLECTION D		S
	_	BERS & INTERIOR DIAPHRAGM			S BARRIER PARAPET

** DEFLECTION DUE TO WEIGHT OF METAL FORMS AND THE WEIGHT OF THE CONCRETE IN THE FLUTES OF THE FORMS.

	CONSULTANT NAME/LOGO			
JRNISHED FOR INFORMATION ONS SHOWN ARE SHEET OF THIS DESIGN AND	SOUTH CAROLINA DEPARTMENT OF TRANSPORTAT	ΓΙΟΝ		
NG DIMENSIONS, MUST BE SER'S ENGINEER TO ENSURE 'E FOR THE INTENDED USE. ST BE SIGNED AND SEALED BY REGISTERED PROFESSIONAL SED.	FLORIDA I-BEAM DETAILS SPAN X - ALT 1			
	COUNTY: #### ROUTE: #	###		
	DRAWING NUMBER: 704-FIB.D01.MIDPNTDIA.SK000.2HO	LE		

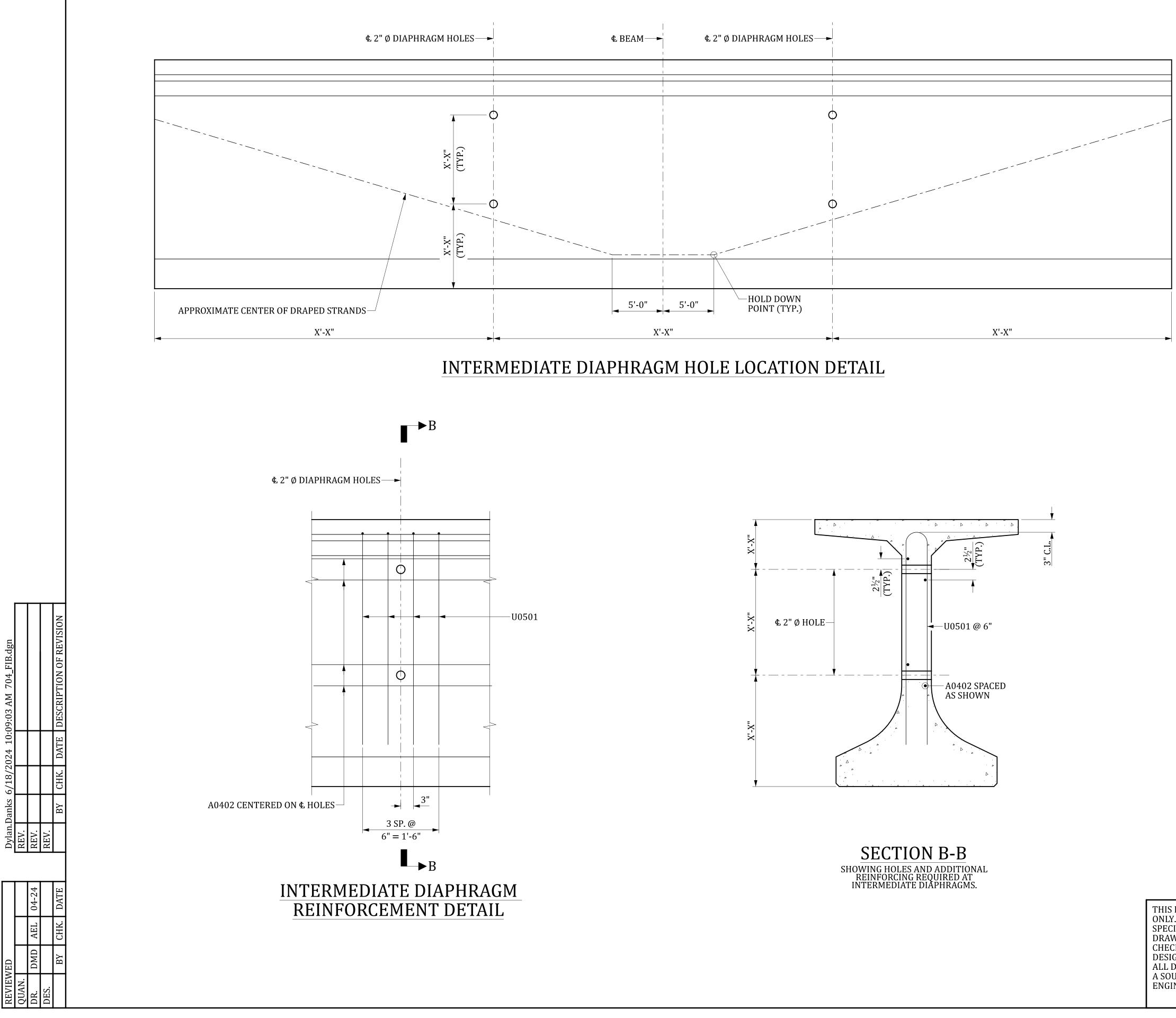


THIS DRAWING IS FU ONLY. ALL DIMENSIO SPECIFIC. ANY USE C DRAWING, INCLUDI CHECKED BY THE US DESIGN IS ADEQUAT ALL DRAWINGS MUS A SOUTH CAROLINA ENGINEER WHEN US

				BRI	DGE PLANS ID
				#	*###-####
חח					$\mathbf{\alpha}$
BEA	AM CAM	BERS &	DEFLEC	ΓΙΟΝ	S
	AM CAM	BERS &	DEFLEC		S
BEAM C	CAMBER	BERS &		UE TO	BARRIER
			DEFLECTION D		
BEAM C	CAMBER	INTERIOR	DEFLECTION D STAY-IN-PLACE	UE TO	BARRIER
BEAM C AT RELEASE X"	CAMBER * AT ERECTION X"	INTERIOR DIAPHRAGM X"	DEFLECTION D STAY-IN-PLACE FORMS **	UE TO SLAB X"	BARRIER PARAPET

** DEFLECTION DUE TO WEIGHT OF METAL FORMS AND THE WEIGHT OF THE CONCRETE IN THE FLUTES OF THE FORMS.

	CONSULTANT NAME/LOGO	
URNISHED FOR INFORMATION ONS SHOWN ARE SHEET OF THIS DESIGN AND	SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
NG DIMENSIONS, MUST BE SER'S ENGINEER TO ENSURE TE FOR THE INTENDED USE. ST BE SIGNED AND SEALED BY REGISTERED PROFESSIONAL SED.	FLORIDA I-BEAM DETAILS SPAN X - ALT 2	
	COUNTY: #### ROUTE: ####	
	DRAWING NUMBER: 704-FIB.D01.MIDPNTDIA.SK000.4HOLE	

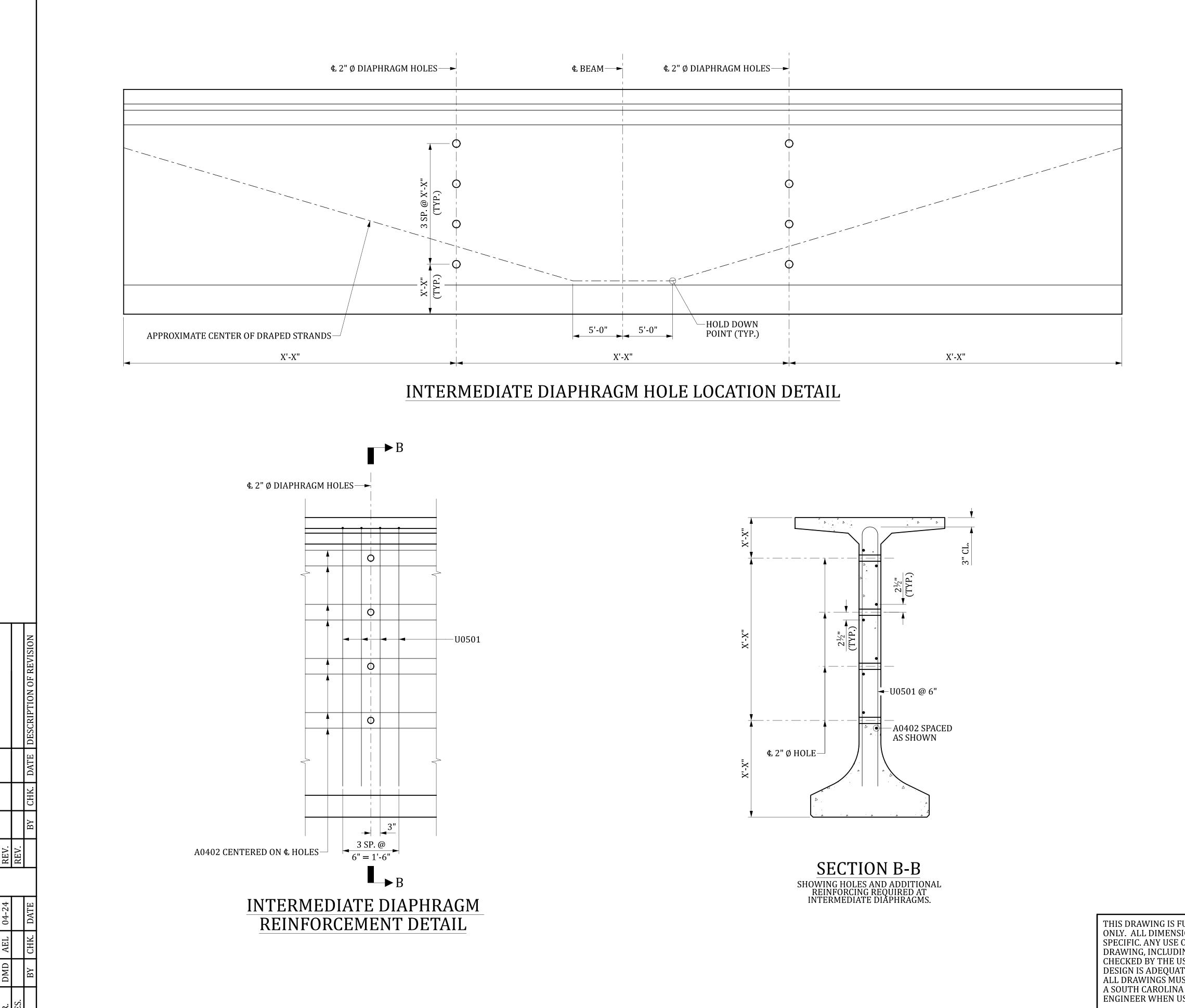


THIS DRAWING IS FU ONLY. ALL DIMENSI SPECIFIC. ANY USE C DRAWING, INCLUDI CHECKED BY THE US DESIGN IS ADEQUAT ALL DRAWINGS MUS A SOUTH CAROLINA ENGINEER WHEN US

				BBI	DGE PLANS IE
				#	####-####
BE		REDC 8.	DEFLEC	τιων	C
		DENS &	DEFLEC	IIUN	3
BEAM C	CAMBER		DEFLECTION D	UE TO	
AT RELEASE	* AT ERECTION	INTERIOR	STAY-IN-PLACE	SLAB	BARRIER
AI KELEASE	AIEKELIION	DIAPHRAGM	FORMS **	SLAD	PARAPET
X''	X"	X''	Χ"	X''	X"
			1		
			ME OF ERECTION	-	

** DEFLECTION DUE TO WEIGHT OF METAL FORMS AND THE WEIGHT OF THE CONCRETE IN THE FLUTES OF THE FORMS.

	CONSULTANT NAME	/LOGO
URNISHED FOR INFORMATION ONS SHOWN ARE SHEET OF THIS DESIGN AND	SOUTH CAROLIN DEPARTMENT OF TRANS	
NG DIMENSIONS, MUST BE SER'S ENGINEER TO ENSURE TE FOR THE INTENDED USE. ST BE SIGNED AND SEALED BY REGISTERED PROFESSIONAL SED.	FLORIDA I-BEAM I SPAN X - ALT	
	COUNTY: ####	ROUTE: ####
	DRAWING NUMBER: 704-FIB.D01.THIRDPNTDL	A.SK000.2HOLE

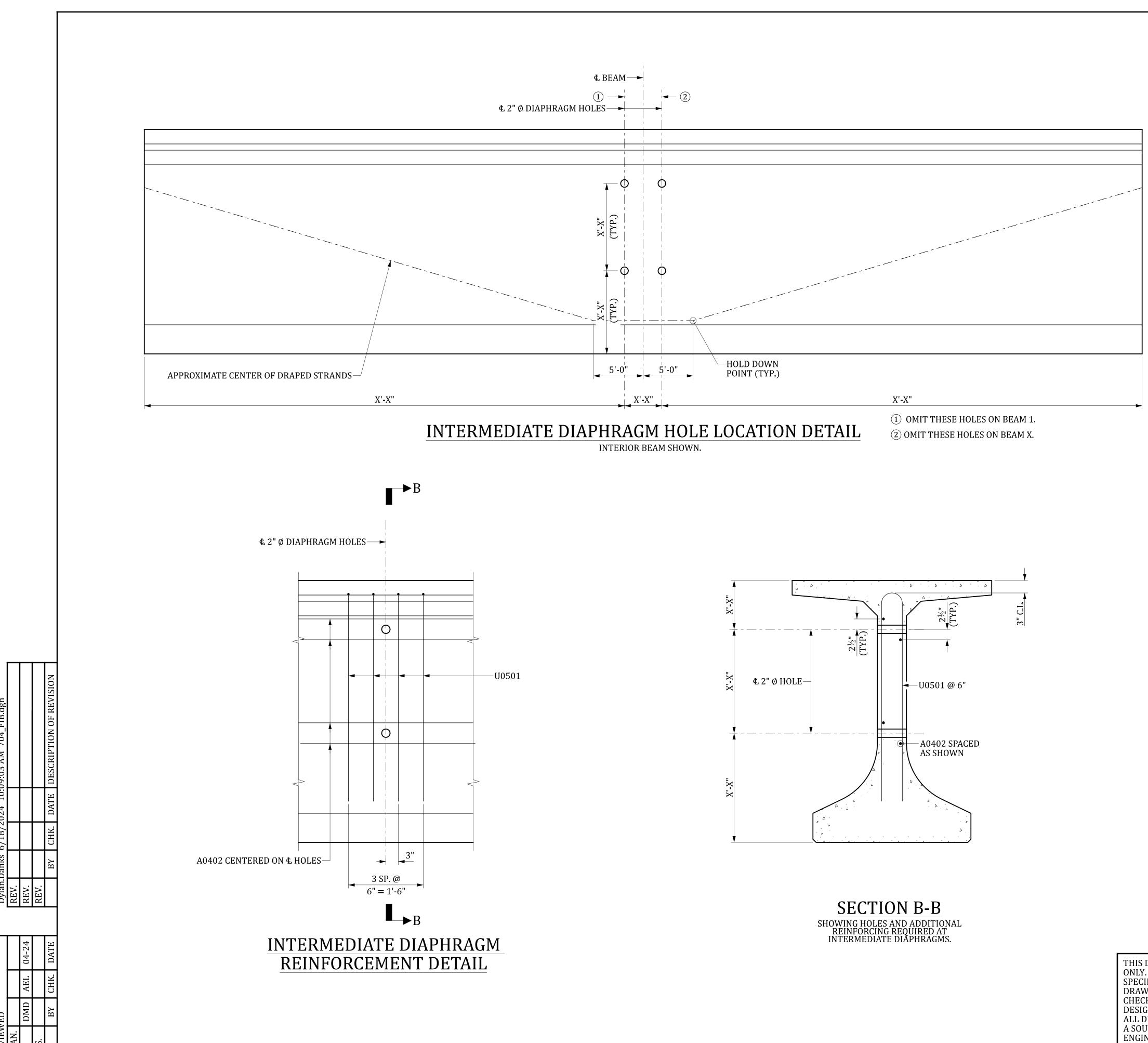


A R A

				BRI	DGE PLANS ID
				#	*###-####
BE	AM CAM	BERS &	DEFLEC	TION	S
	CAMBER		DEFLECTION D		
		INTERIOR	STAY-IN-PLACE		BARRIER
AT RELEASE	* AT ERECTION	DIAPHRAGM	FORMS **	SLAB	PARAPET
Χ"	X"	X"	X"	X''	X"
	1				,
			ME OF ERECTION	т	

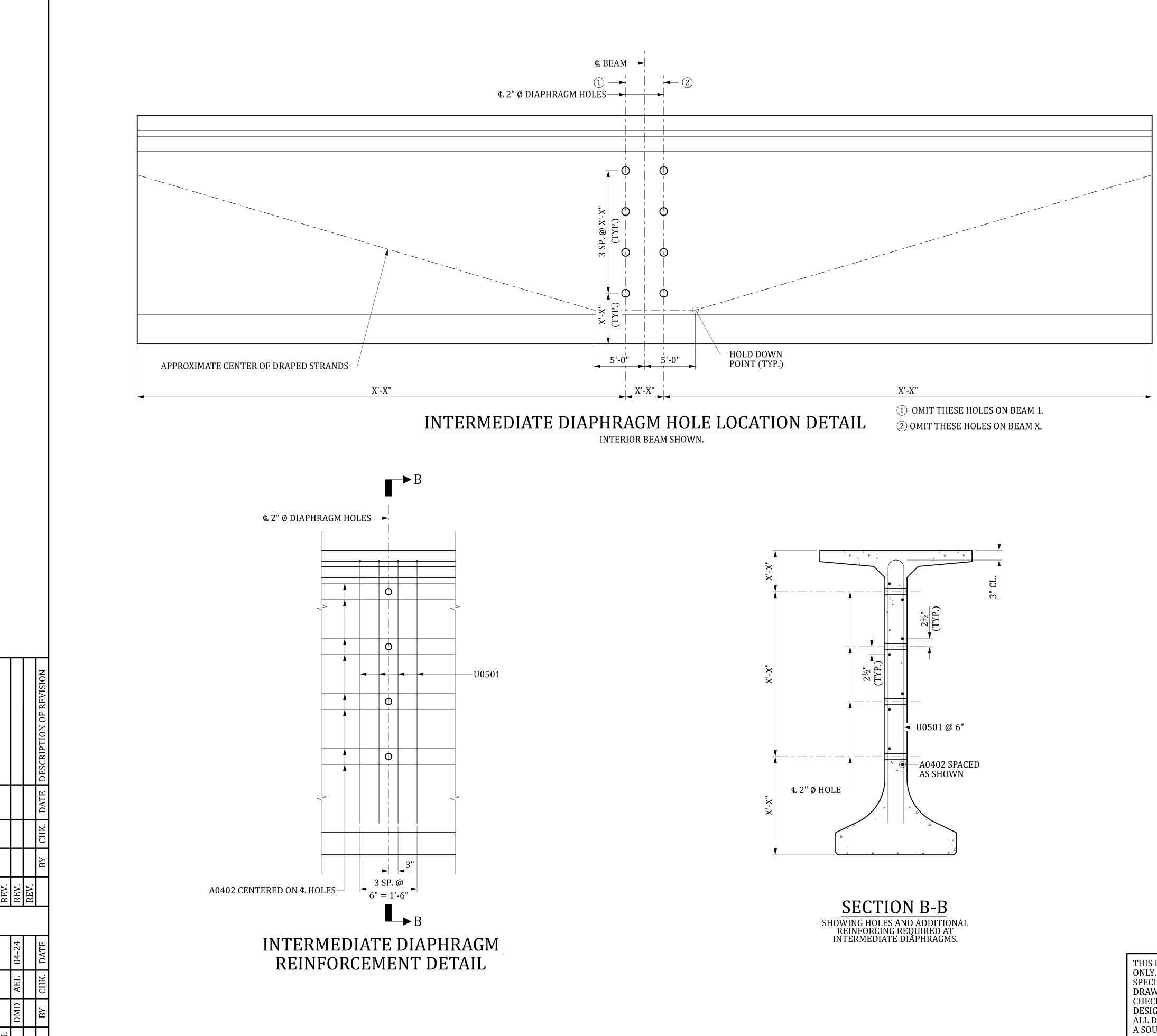
** DEFLECTION DUE TO WEIGHT OF METAL FORMS AND THE WEIGHT OF THE CONCRETE IN THE FLUTES OF THE FORMS.

	CONSULTANT NAME	/LOGO
URNISHED FOR INFORMATION IONS SHOWN ARE SHEET OF THIS DESIGN AND		
NG DIMENSIONS, MUST BE SER'S ENGINEER TO ENSURE TE FOR THE INTENDED USE. ST BE SIGNED AND SEALED BY REGISTERED PROFESSIONAL SED.	WN ARE SHEET DESIGN AND NSIONS, MUST BE GINEER TO ENSURE HE INTENDED USE. NED AND SEALED BY RED PROFESSIONAL COUNTY: ####	
	COUNTY: ####	ROUTE: ####
	DRAWING NUMBER: 704-FIB.D01.THIRDPNTDL	A.SK000.4HOLE



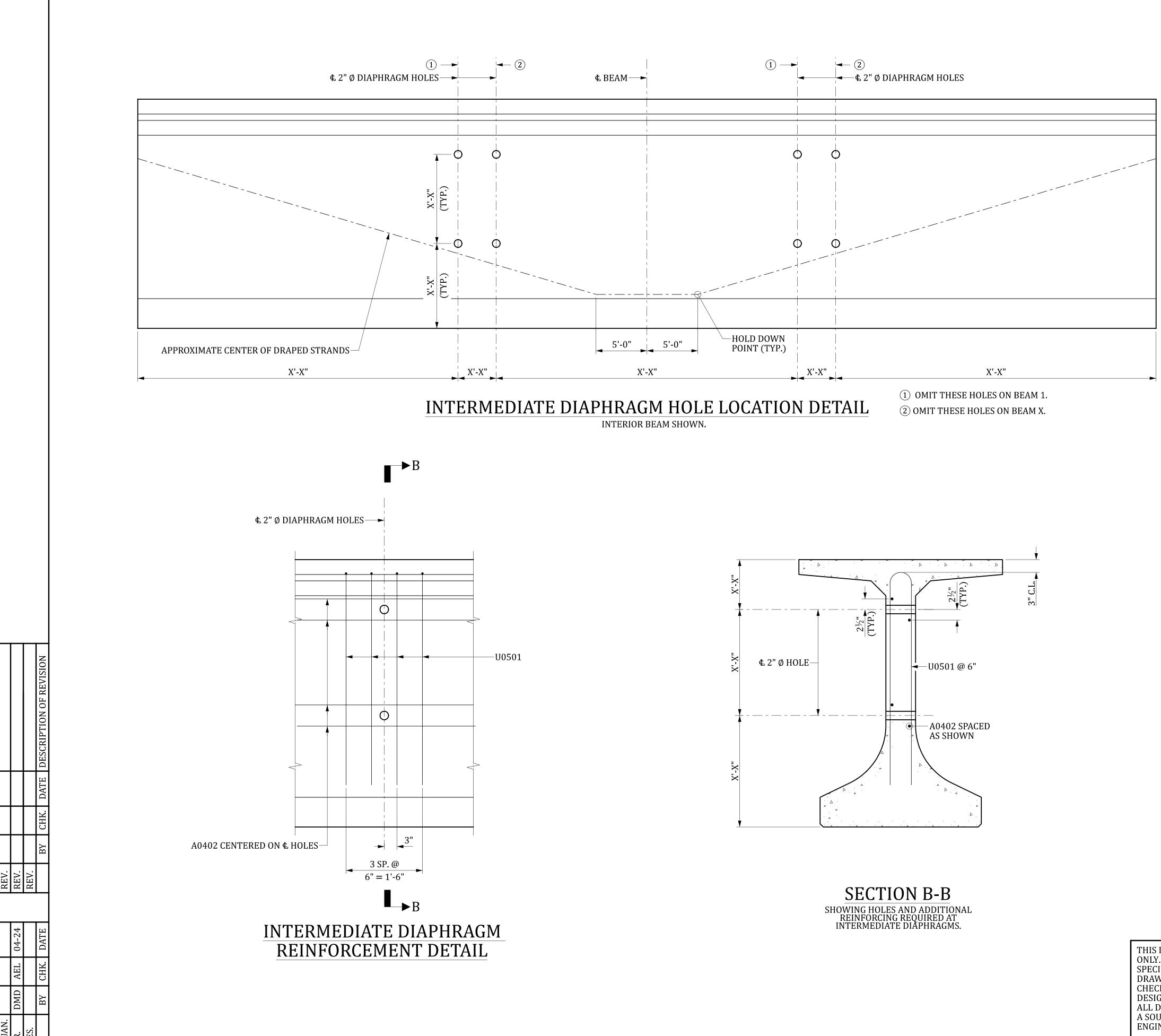
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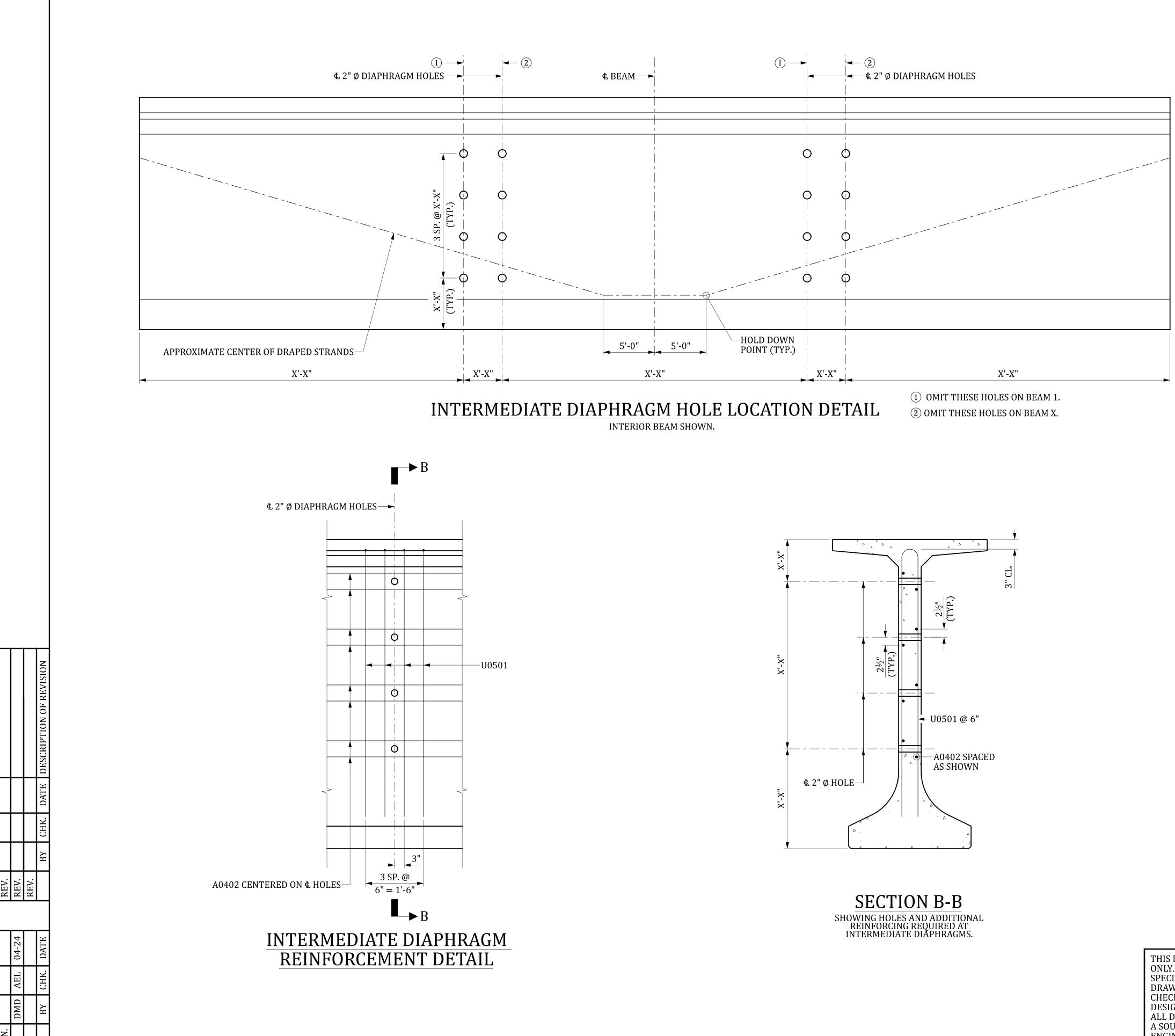
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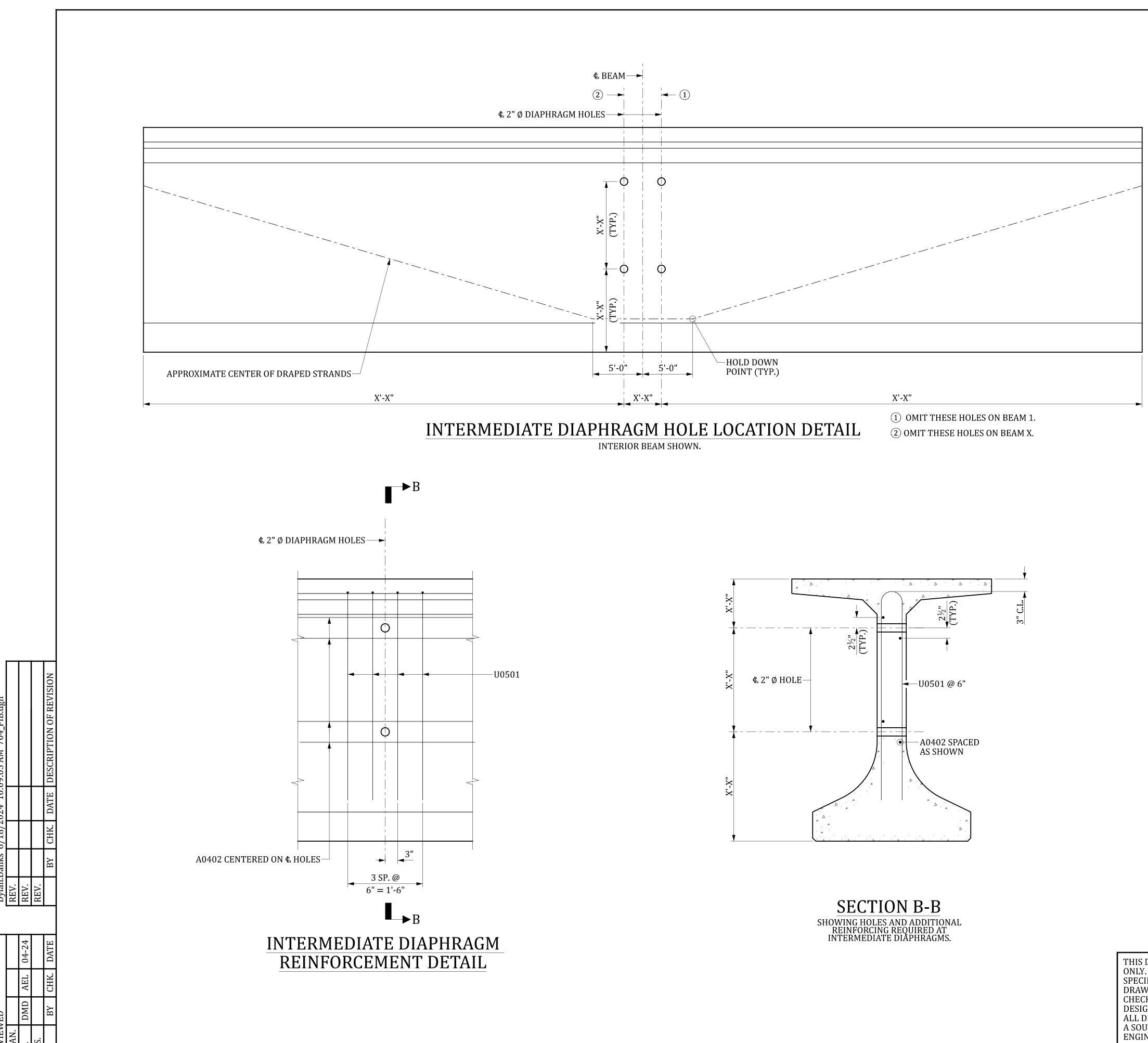
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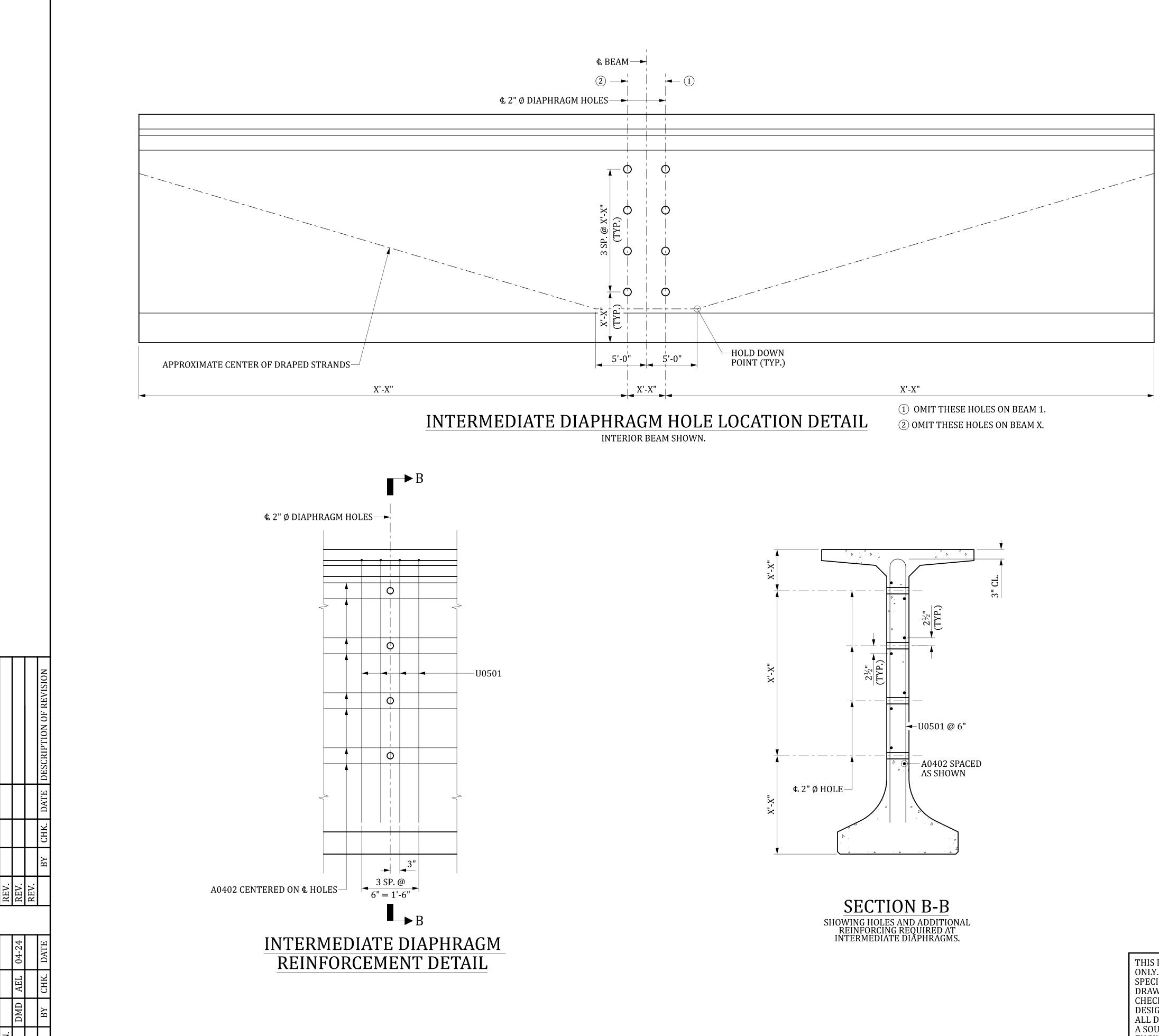
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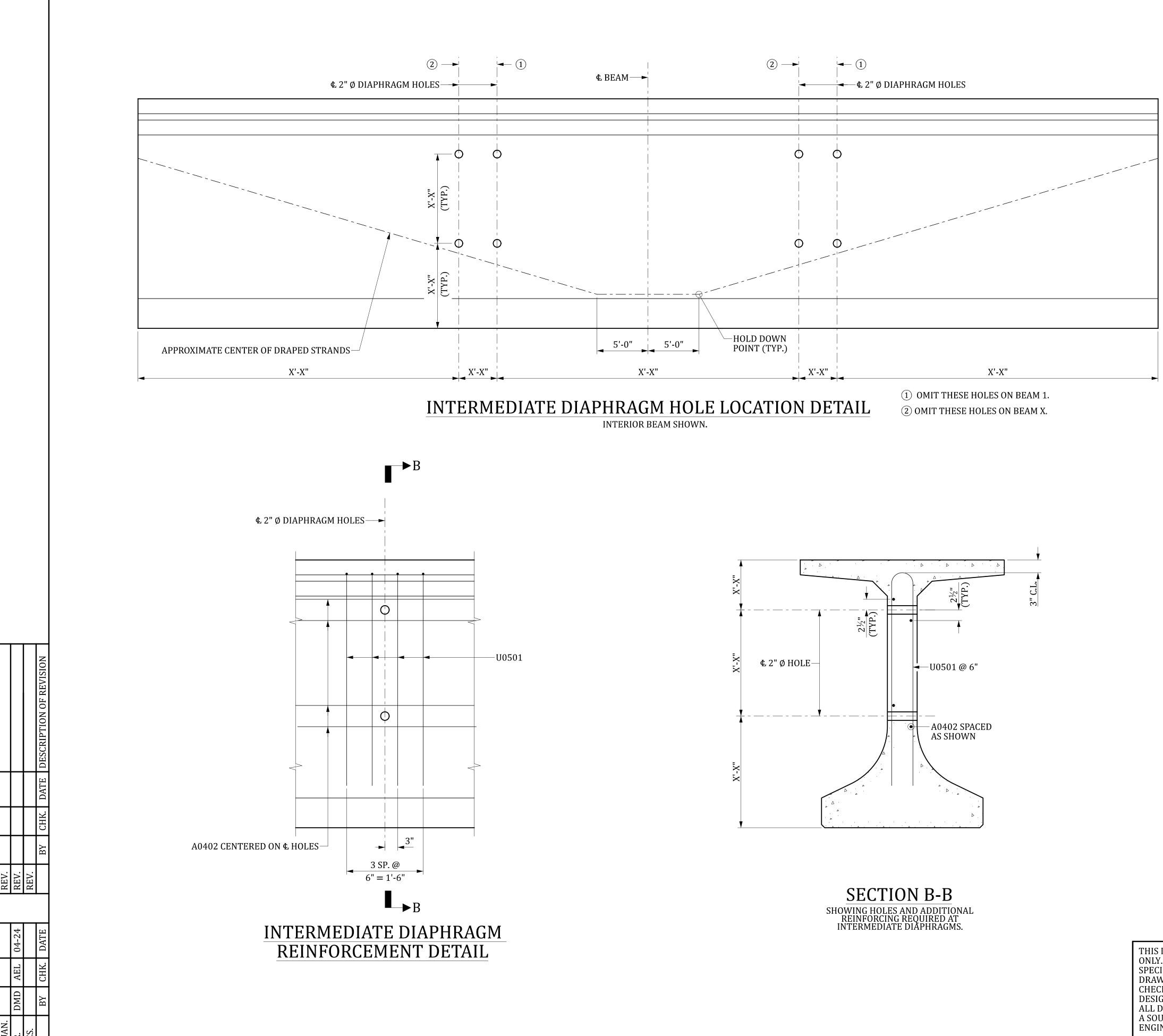
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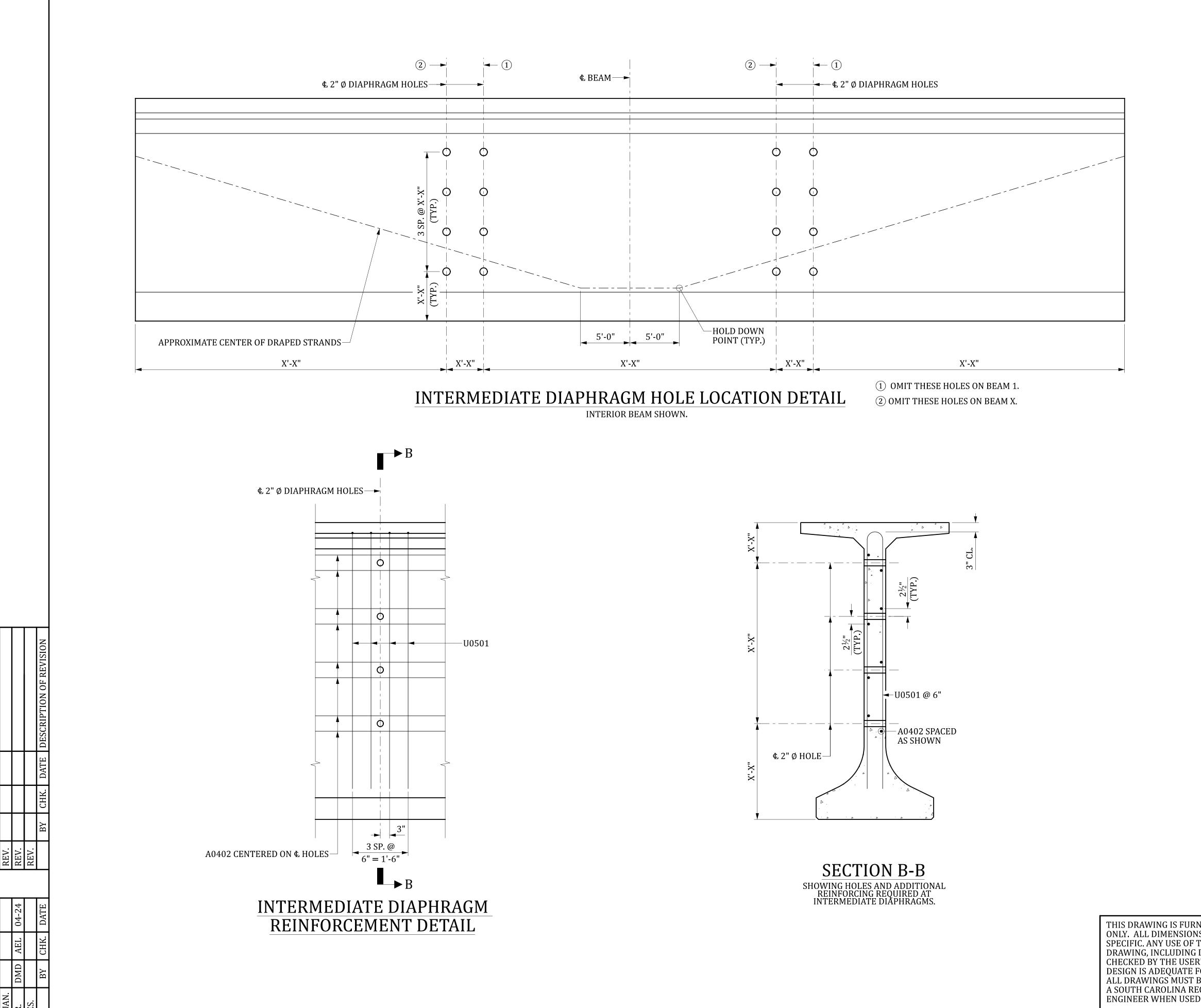
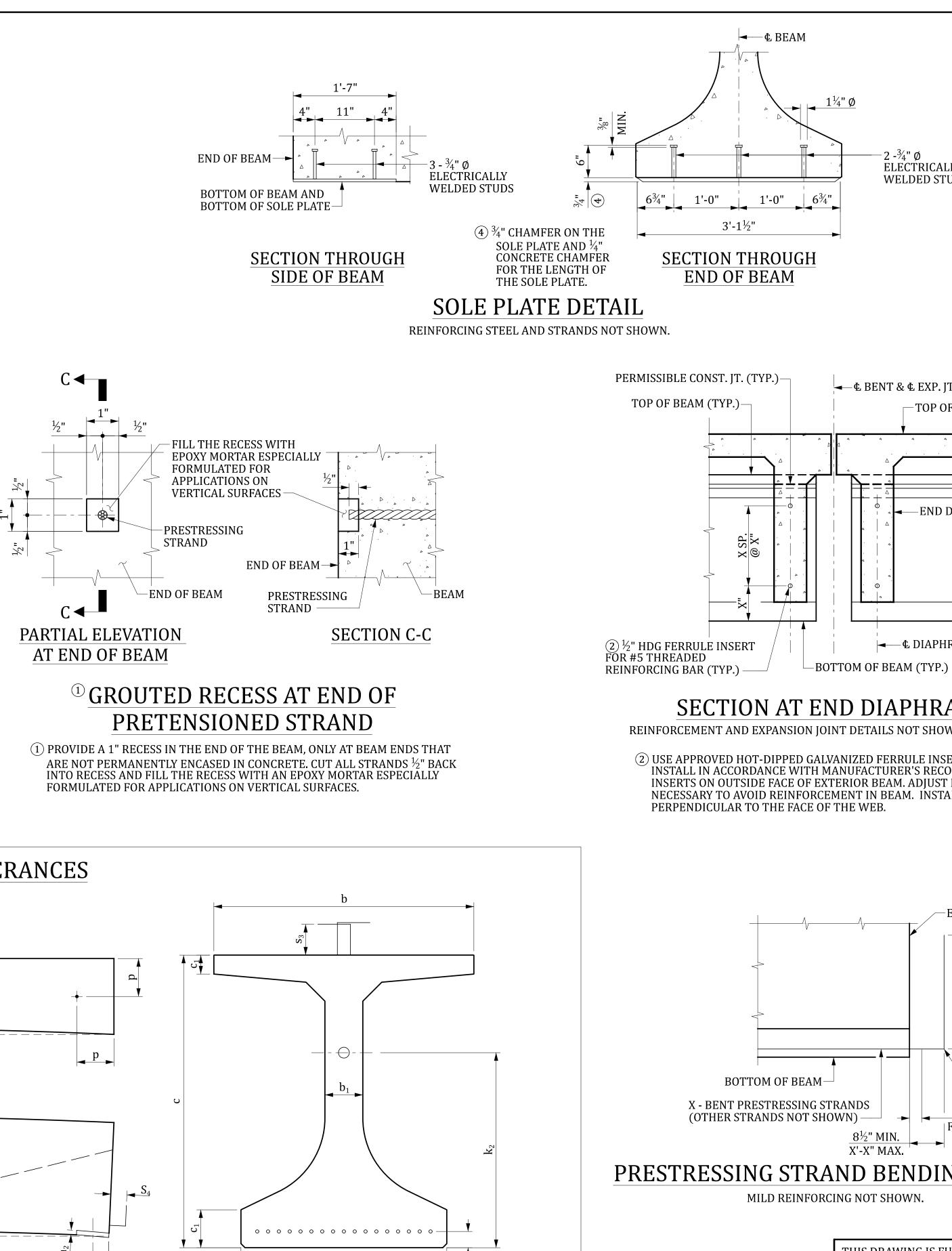
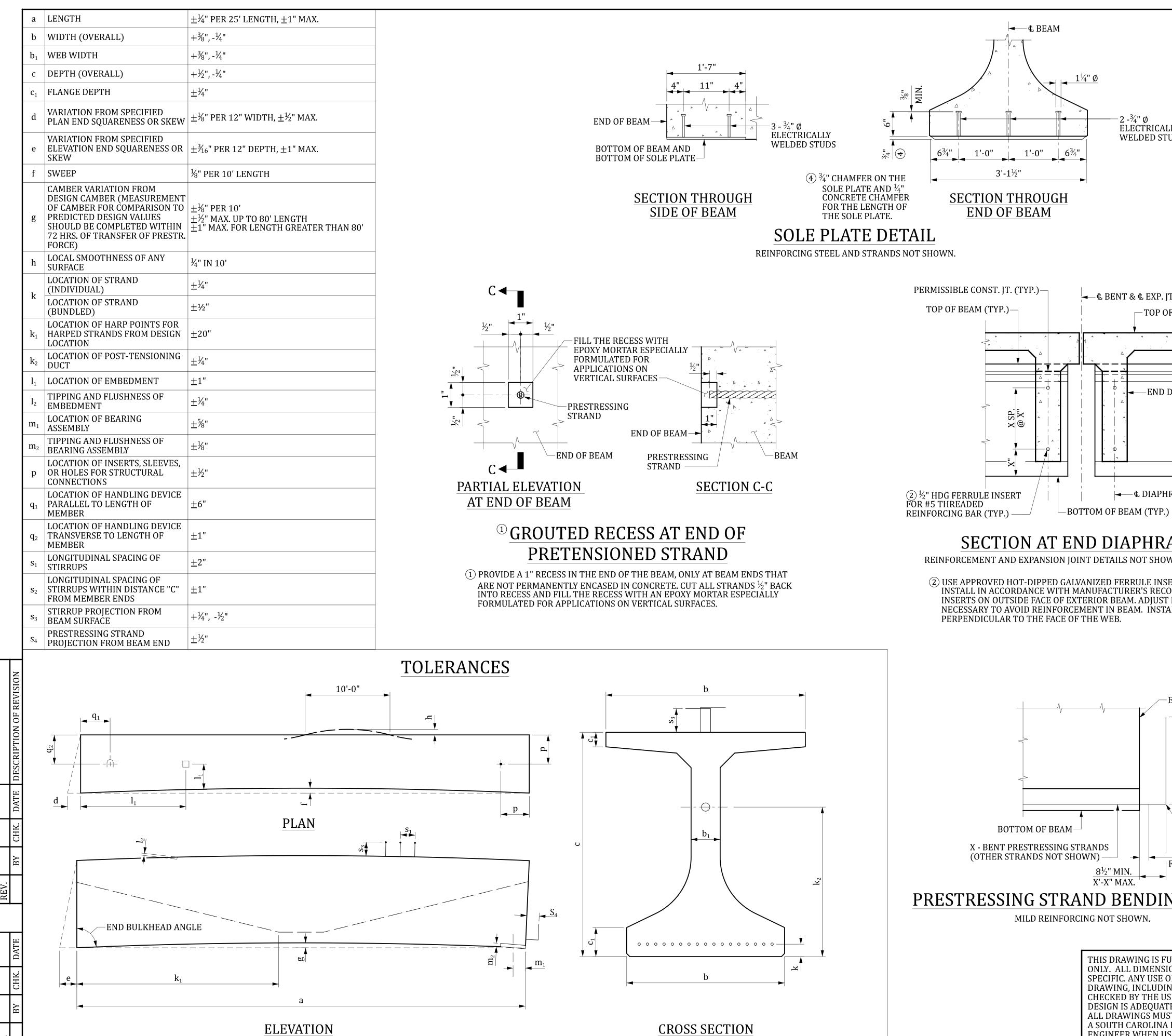
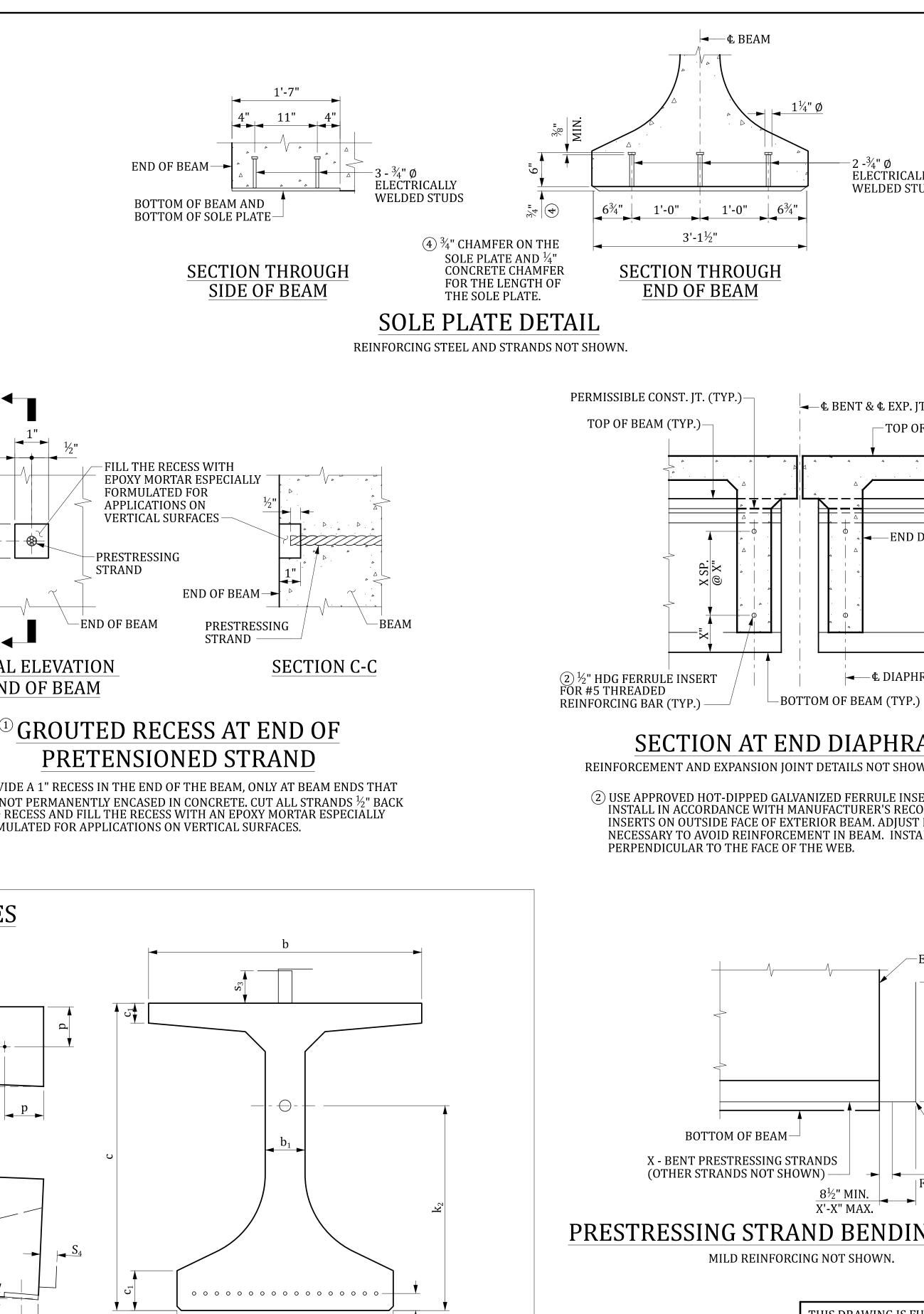


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а	LENGTH	\pm ¹ / ₄ " PER 25' LENGTH, \pm 1" MAX.
b	WIDTH (OVERALL)	+3/8", -1/4"
b_1	WEB WIDTH	+3/8", -1/4"
с	DEPTH (OVERALL)	+½",-¼"
c ₁	FLANGE DEPTH	±¼"
d	VARIATION FROM SPECIFIED PLAN END SQUARENESS OR SKEW	$\pm\frac{1}{8}$ " PER 12" WIDTH, $\pm\frac{1}{2}$ " MAX.
e	VARIATION FROM SPECIFIED ELEVATION END SQUARENESS OR SKEW	$\pm \frac{3}{16}$ " PER 12" DEPTH, ± 1 " MAX.
f	SWEEP	%" PER 10' LENGTH
g	CAMBER VARIATION FROM DESIGN CAMBER (MEASUREMENT OF CAMBER FOR COMPARISON TO PREDICTED DESIGN VALUES SHOULD BE COMPLETED WITHIN 72 HRS. OF TRANSFER OF PRESTR. FORCE)	$\pm\frac{1}{8}$ " PER 10' $\pm\frac{1}{2}$ " MAX. UP TO 80' LENGTH \pm 1" MAX. FOR LENGTH GREATER THAN 80'
h	LOCAL SMOOTHNESS OF ANY SURFACE	¼" IN 10'
k	LOCATION OF STRAND (INDIVIDUAL)	<u>+</u> ¹ / ₄ "
	LOCATION OF STRAND (BUNDLED)	±½"
\mathbf{k}_1	LOCATION OF HARP POINTS FOR HARPED STRANDS FROM DESIGN LOCATION	±20"
k_2	LOCATION OF POST-TENSIONING DUCT	±¼"
l_1	LOCATION OF EMBEDMENT	<u>+</u> 1"
l_2	TIPPING AND FLUSHNESS OF EMBEDMENT	±¼"
m_1	LOCATION OF BEARING ASSEMBLY	±%"
m ₂	TIPPING AND FLUSHNESS OF BEARING ASSEMBLY	±1/8"
р	LOCATION OF INSERTS, SLEEVES, OR HOLES FOR STRUCTURAL CONNECTIONS	<u>±½</u> "
\mathbf{q}_1	LOCATION OF HANDLING DEVICE PARALLEL TO LENGTH OF MEMBER	±6"
q_2	LOCATION OF HANDLING DEVICE TRANSVERSE TO LENGTH OF MEMBER	±1"
s ₁	LONGITUDINAL SPACING OF STIRRUPS	±2"
S ₂	LONGITUDINAL SPACING OF STIRRUPS WITHIN DISTANCE "C" FROM MEMBER ENDS	±1"
S ₃	STIRRUP PROJECTION FROM BEAM SURFACE	+¼", -½"
S ₄	PRESTRESSING STRAND PROJECTION FROM BEAM END	±½"







CROSS SECTION

	NOTES:	BRIDGE PLANS ID SHEET ####-#### 021			
	SEE SECTION 704 OF THE STANDARD SPEC ADDITIONAL REQUIREMENTS AND INFOR PRESTRESSED CONCRETE BEAMS. SHOP D SUBMITTED IN ACCORDANCE WITH THE S	CIFICATIONS FOR MATION REGARDING RAWINGS MUST BE			
' <u>+" Ø</u>	INCLUDE STRAND BENDING PROCEDURE	IN SHOP PLANS.			
2 - ³ / ₄ " Ø ELECTRICALLY WELDED STUDS	GALVANIZE ALL OVERHANG BRACKETS IN EXTERIOR BEAMS IN ACCORDANCE WITH 232, OR ASTM F 2329 AS APPROPRIATE AN THE SHOP PLANS.	AASHTO M 111, AASHTO M			
	USE PRESTRESSING STRANDS THAT CONF M 203 FOR GRADE 270 (LOW RELAXATION				
	THE TENSIONING LOAD IN ALL 0.6" Ø LOW 43.9 KIPS. DO NOT RELEASE THE STRAND STRENGTH OF THE CONCRETE HAS REACH f'ci.	S UNTIL THE COMPRESSIVE			
	ON THE TOP SURFACE OF BEAMS WHERE WILL BE PLACED, PROVIDE A FINISH THAT LAITANCE, AND INTENTIONALLY ROUGHE OF APPROXIMATELY ¹ / ₄ ". FINISH TOP OF BE FLANGE.	Γ IS CLEAN, FREE OF NED TO A FULL AMPLITUDE			
← & BENT & & EXP. JT. ─ TOP OF DECK	ALWAYS MAINTAIN PRESTRESSED CONCR POSITION. WHEN PLACING OR STORING B SUPPORTS ARE LOCATED ONLY UNDER TH	EAMS, ENSURE BEAM			
	LOCATE HOLES FOR DIAPHRAGMS OR CRO "FLORIDA I-BEAM DETAILS" SHEET. FORM PIPE AND PREVENT MOVEMENT DURING FASTENING THE PIPE.	HOLES WITH 2" INSIDE Ø			
END DIAPHRAGM (TYP.)	CONTRACTOR IS RESPONSIBLE FOR INVEST BEAM FLANGES TO ENSURE FLANGES ARE CONSTRUCTION LOADS. A MINIMUM OF #4 TRANSVERSELY AT 24" SPACING IS REQUID TOP FLANGES.	E ADEQUATE TO SUPPORT ALL 4 REINFORCING BARS PLACED			
	DEBONDING:				
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	1) FOR ALL DEBONDING MATERIAL, USE ' OF RESISTING THE PRESSURE EXERTED B USING SLIT CONDUIT, USE TWO CONDUIT ON OPPOSITE SIDES OF THE STRAND. USE DENSITY POLYETHYLENE OR POLYPROPYI THICKNESS OF 0.025". USE CONDUIT WITI WILL PERMIT FREE MOVEMENT OF THE E LARGER THAN THE DIAMETER OF THE ST CONDUIT ON THE STRAND AT THE LOCAT PLANS (± 1 ") TO PREVENT BONDING OF T CONDUIT TO PREVENT ANY LONGITUDINA STRAND. PREVENT CONCRETE FROM ENT SEALING WITH TAPE. USE TAPE MANUFAC CORROSIVE MATERIAL THAT IS COMPATIE CONDUIT, AND STEEL.	Y THE CONCRETE. WHEN S WITH THE SLITS LOCATED CONDUIT MADE OF HIGH LENE WITH A MINIMUM H AN INSIDE DIAMETER THAT INCASED STRAND, BUT NO RAND PLUS 1/8". PLACE ION(S) SHOWN ON THE HE CONCRETE. SECURE AL MOVEMENT ALONG THE ERING THE CONDUIT BY ITURED FROM A NON-			
NUFACTURER'S RECOMMENDATION. OMIT ERIOR BEAM. ADJUST INSERT LOCATIONS AS	2) RELEASE STRANDS IN ACCORDANCE W STANDARD SPECIFICATIONS.	TTH SECTION 704 OF THE			
IENT IN BEAM. INSTALL INSERTS 'HE WEB.	3) WITHIN 48 HOURS OF DETENSIONING, BETWEEN THE STRANDS AND THE SHEAT SEALANT THAT IS MADE OF EITHER EPOX SEALANT IS PROVIDED, USE A LOW MODU IS WHITE IN COLOR.	HING . USE AN APPROVED Y OR SILICONE. IF SILICONE			
END OF BEAM					
	EXTERIOR FACE	PRESTRESSING RAND (TYP.)			
SHOP BEND (BENDING HEAT NOT TO EXCEED 1100°E)		ΓERIOR BEAM			
ANDS VN)	<u>HALF ELEVAT</u> END OF BEAM AT INT				
8½" MIN.	BEND STRANDS AS NECESSARY FOR OUTS 3 NUMBER OF STRANDS SHOWN FOR	IDE OF EXTERIOR BEAM ONLY.			
ND BENDING DETAIL NG NOT SHOWN.	CONSULTANT NA				
THIS DRAWING IS FURNISHED FOR INFORMATION ONLY. ALL DIMENSIONS SHOWN ARE SHEET	SOUTH CARO DEPARTMENT OF TRA				
SPECIFIC. ANY USE OF THIS DESIGN AND DRAWING, INCLUDING DIMENSIONS, MUST BE CHECKED BY THE USER'S ENGINEER TO ENSURE					
DESIGN IS ADEQUATE FOR THE INTENDED USE. ALL DRAWINGS MUST BE SIGNED AND SEALED BY A SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER WHEN USED.	FLORIDA I-I GENERAL DI				
	COUNTY: #### DRAWING NUMBER: 704-FIB.GD01	ROUTE: ####			