

TEXAS DEPARTMENT OF TRANSPORTATION

CONSTRUCTION CONTRACT CHANGE ORDER NUMBER: 02

Third Party Funding Notification Sheet

This form is used when the subject change order involves funding by a source other than TxDOT/U.S. DOT, and involves third parties who are providing funding under an Advance Funding Agreement or Donation Agreement.

1. Outside funding provided by:

FORT BEND COUNTY

(Outside Entity's Legal Name)

2. Type of outside funding agreement for this change:

Existing Amended New
[Check one]

3. Indicate the type and amount of funding:

Fixed Price (Lump Sum) (Estimated Amount (\$100,661.19))

Actual Cost

(a) Contract Items (Bid Items): (\$100,661.19)

(b) E&C*: (a) x $\frac{.0653}{\text{enter \%}}$ = (\$6,573.18)

TOTAL (\$107,234.37)

CCSJ:	<u>3510-04-055</u>
Project:	<u>CC 3510-4-55</u>
Highway:	<u>SH 99</u>
County:	<u>FORT BEND</u>
District:	<u>12</u>
Contract Number:	<u>351004055</u>

Use as needed:

I hereby acknowledge notification of the modifications covered by this Change Order.

Date _____

By _____

Typed/Printed Name KP George

Typed/Printed Title County Judge

* The percentage (%) for E&C (Engineering and Contingencies) charges varies from project to project depending on the contract amount of the project. Projects with a higher contract amount will have a lower rate of E&C charge. For a specific project, E&C rate (%) can be derived from the cost of "Engineering and Contingencies" in the "Estimated Cost" of the project.

Funding for this Change Order has been arranged:	
_____ TxDOT Representative	_____ Date
Typed/Printed Name: _____	



CHANGE ORDER NBR.

2

REPORT DATE: 8/23/2023 8:06:06AM

CONTRACT ID: 351004055
PROJECT: CC 3510-4-55
CONTRACT: 04233009
AWARD AMOUNT: \$12,117,581.93
PROJECTED AMOUNT: \$12,201,635.94
ADJ PROJECTED AMT: \$12,201,635.94
PEND ADJ PROJ AMT: \$12,201,635.94
CONTRACTOR: STERLING DELAWARE HOLDING COMPANY
CO AMOUNT: -\$100,661.19
CO TYPE: NON-PARTICIPATING
3RD PARTY AMOUNT: \$0.00
APPRV LEVEL: OVERRIDE

HIGHWAY: SH 99
DISTRICT: 12
COUNTY: FORT BEND
AREA ENGINEER: Carlos M. Zepeda, Jr., P.E.
AREA NUMBER: 061

DESCRIPTION: DESCOPE OVERHEAD CANTILEVER SIGN STRUCTURE
REASON: 1B - 1B-INCORRECT PS&E (CONSULTANT DESIGN)
SECONDARY REASON(S):

Functions:

<input checked="" type="checkbox"/> Extra Work	<input type="checkbox"/> Force Account
<input type="checkbox"/> Zero Dollar	<input type="checkbox"/> Final Quantity
<input checked="" type="checkbox"/> Overrun/Underrun	<input type="checkbox"/> Change Project Limits
<input type="checkbox"/> Time Adjustment	<input type="checkbox"/> Delete/Add CSJ
<input type="checkbox"/> Stock Account	

DESCRIBE THE REASON FOR THE CHANGE ORDER AND WHAT IS BEING CHANGED. WHEN NECESSARY, INCLUDE EXCEPTIONS TO THIS AGREEMENT:

The subject project provides for the construction of the SH 99 southbound frontage road and ramp reversals from Westheimer Pkwy. to Cinco Ranch Blvd. including Continuously Reinforced Concrete Pavement, storm sewer, retaining walls, sound walls, and pavement markings in Fort Bend County.

The subject change order adds a new Item of Work and reductions to existing Items of Work as follows:

New LINE NO. 1022, ITEM NO. 9608-6001 UNIQUE CHANGE ORDER ITEM 1, CO 02 *PAY ONE TIME LUMP SUM* OVERHEAD CANTILEVER SIGN ENGINEERING - 1.000 EA; \$10,838.31 DOL.

Existing LINE NO. 0185 Item No. 0403-6001 TEMPORARY SPL SHORING - -269.000 SF; \$9.00 per SF.

Existing LINE NO. 0200 Item No. 0416-6021 DRILL SHAFT (SIGN MTS)(42 IN) - -40.000 LF; \$407.00 per LF.

Existing LINE NO. 0210 Item No. 0420-6068 CL C CONC (SIGN COLUMN) - -25.660 CY; \$1,700.00 per CY.

Existing LINE NO. 0215 Item No. 0420-6134 CL C CONC (SIGN FOOTING) - -9.800 CY; \$1,430.00 per CY.

Existing LINE NO. 0230 Item No. 0432-6006 RIPRAP (CONC)(CL B) - -1.000 CY; \$1,300.00 per CY.

Existing LINE NO. 0595 Item No. 0636-6003 ALUMINUM SIGNS (TY O) - -150.500 SF; \$31.00 per SF.

Existing LINE NO. 0615 Item No. 0650-6041 INS OH SN SUP(35 FT CANT)(SPAN ONLY) - -1.000 EA; \$29,197.00 EA.

This project CSJ 3510-04-055 (055) reverses the existing SB exit ramp to Westheimer Pkwy. and the southbound entrance ramp from Cinco Ranch Blvd. Due to this reversal, the existing cantilever overhead sign structure (COSS) serving the Westheimer exit ramp near STA. 1446+00 (CL SH 99) would be removed and replaced. A new COSS serving the new Westheimer exit ramp would be installed near STA. 1466+30 (CL SH 99).

The adjacent project in progress, CSJ 3510-04-019, etc. (019) project, which is reconstructing and updating the SH 99 main lanes, has a duplicate Westheimer exit sign structure at approx. STA. 1467+60 (CL SH 99). After review of both plans, TxDOT decided to install the subject COSS and associated TY O sign with the 019 project and descope this work from the subject 055 project.

Unfortunately, the Contractor for the 055 project procured the preliminary engineering for the structure formwork for the COSS prior to notification of the descoping of work. Because this engineering work is typically part of the material procurement process and outside formal project schedule control, TxDOT is allowing compensation for these costs, which are part of the change order submittal.

The contractor has submitted the attached cost breakdown. TxDOT has reviewed this submittal and deems it fair and reasonable for the work involved.

This change order includes redlined sheets 253 and 254 and removes plan sheets 23 and 255 from the plan set.

The revisions covered by this change order do not require revisions to the original environmental clearances or approval by the Texas Department of Licensing and Regulation.

This change order is estimated to result in an underrun in the amount fund associated with the project in the amount of \$100,661.19. This change order will not cause the accumulative amount of change orders to exceed 10 percent of the original contract amount, but will exceed \$50,000, requiring District Engineer approval.

ADDITIONAL TIME NOT NEEDED

"By signing this change order, the contractor agrees to waive any and all claims for additional compensation due to any and all other expenses; additional changes for time, overhead and profit; or loss of compensation as a result of this change and that this agreement is made in accordance Item 4 and the Contract. Exceptions should be noted in explanation above."

THE CONTRACTOR

BY: _____
DATE

TYPED/PRINTED NAME: _____
DATE

TYPED/PRINTED TITLE: _____
DATE

AREA ENGINEER: _____
DATE

AREA ENGINEER'S SEAL:

DISTRICT ENGINEER: _____
DATE

DIRECTOR, CONSTRUCTION DIVISION: _____
DATE

DEPUTY EXECUTIVE DIRECTOR: _____
DATE

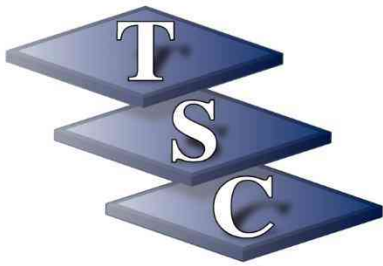
FHWA: _____
DATE

CONTRACT ITEMS

PROJECT NBR 351004055 (CC 3510-4-55 NOT ELIGIBLE FOR FEDERAL PARTICIPATION)

CATG NBR	LINE ITEM	ITEM CODE	SP NBR	DESCRIPTION	UNIT	UNIT PRICE	ORIG + PREV REV QTY	QTY THIS CO	NEW QTY	AMOUNT THIS CO
001	0185	04036001	000	TEMPORARY SPL SHORING	SF	9.00000	5,709.000	-269.000	5,440.000	-\$2,421.00
001	0200	04166021	000	DRILL SHAFT (SIGN MTS) (42 IN)	LF	407.00000	40.000	-40.000	0.000	-\$16,280.00
001	0210	04206068	001	CL C CONC (SIGN COLUMN)	CY	1,700.00000	25.660	-25.660	0.000	-\$43,622.00
001	0215	04206134	001	CL C CONC (SIGN FOOTING)	CY	1,430.00000	9.800	-9.800	0.000	-\$14,014.00
001	0230	04326006	000	RIPRAP (CONC)(CL B)	CY	1,300.00000	1.000	-1.000	0.000	-\$1,300.00
001	0595	06366003	001	ALUMINUM SIGNS (TY O)	SF	31.00000	150.500	-150.500	0.000	-\$4,665.50
001	0615	06506041	001	INS OH SN SUP(35 FT CANT)(SPAN ONLY)	EA	29,197.00000	1.000	-1.000	0.000	-\$29,197.00
001	1022	96086001		UNIQUE CHANGE ORDER ITEM 1	DOL	10,838.31000	0.000	1.000	1.000	\$10,838.31
		ADDTL CO DESCR 1		CO 02 *PAY ONE TIME LUMP SUM* OVERHEAD CANTILEVER SIGN						
		ADDTL CO DESCR 2		ENGINEERING						

CHANGE ORDER AMOUNT -\$100,661.19



Aug 9th, 2023

Project: SH99 Southbound Frontage Road
Contract: 3510-04-055
County: Fort Bend

Subject: Cantilever Sign Descoping

Mr. Grant and Team,

Per the response received for RFI 11, the overhead cantilever sign Item (4206068, 4206134, 6506041 etc.) has been descoped from TSC's contract.

However, prior to being first notified about the descoping in the meeting on July 14th 2023, TSC had begun making efforts towards engineering the formwork for the sign column.

The email correspondence and formwork drawings are attached as attestation of TSC's coordination with a third-party engineering firm, Stiver Engineering to engineer the formwork that would be required at time of the concrete column construction. The engineered drawings were received from Stiver on 13th July and the invoice (attached) was subsequently billed to TSC.

Therefore, TSC would like to request compensation in full to the amount of **\$10,838.31**.

If you have any questions, please let me know.

Sincerely,

Ateesh Tiwari
Project Manager
281-639-2739
Texas Sterling Construction

TEXAS STERLING CONSTRUCTION CO.

20810 FERNBUSH • HOUSTON, TEXAS 77073 • (281) 821-9091 • FAX (281) 821-2995



DATE: 8/9/2023
 CSJ NO: 3510-05-055

LOCATION: SH 99 Southbound Frontage Road

PRICING PROPOSAL: Overhead Cantilever
 Sign Engineering

CHANGE ORDER COST BREAKDOWN

Total Price	\$10,838.31
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DESCRIPTION:	QTY	UOM	TOTAL	UNIT PRICE
Overhead Cantilever Sign Engineering	1	LS	\$10,838.31	\$ 10,838.31

LABOR	HOURS	UNIT	PRICE	EXTENDED
				\$ -
			Subtotal	\$ -
		Payroll Taxes & Insurance	55%	\$0.00
		Contractor Mark Up	25%	\$0.00
		TOTAL		\$ -

EQUIPMENT	HOURS	QUANTITY	PRICE	EXTENDED
			Subtotal	\$0.00
		Contractor Mark Up	15%	\$0.00
		TOTAL		\$0.00

MATERIALS	QTY	UOM	PRICE	EXTENDED
				\$0.00
				\$0.00
			Subtotal	\$0.00
		Contractor Mark Up	5%	\$0.00
		TOTAL		\$0.00

SUBCONTRACTORS	QTY	UNIT	PRICE	EXTENDED
Stiver Engineering Invoice	1	LS	\$ 10,220.00	\$10,220.00
			Subtotal	\$10,220.00
		Contractor Mark Up	5%	\$511.00
		TOTAL		\$10,731.00

TOTAL OF WORK ACTIVITIES	\$10,731.00
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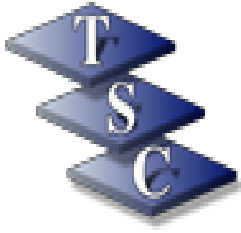
BOND FEE @ 1%	\$107.31
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GRAND TOTAL	\$10,838.31
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REQUEST FOR INFORMATION

PROJECT: SH 99 SBFR (from Westheimer Parkway to Cinco Ranch BLVD)		TxDOT CSJ No:	
OWNER: Texas Department of Transportation (TxDOT)		3510-04-055, ETC.	
CONTRACTOR: Texas Sterling Construction		Job No:	
ARCHITECT / ENGINEER: TEDSI Infrastructure Group		CC 3510-4-55, ETC.	
To: RS&H, Inc		From: TSC	
Attention:		Sent By: Ateesh Tiwari	
Contact No:		Contact No:	
Email:		Email: Ateesh.Tiwari@strlco.com	
Check One:	<input checked="" type="checkbox"/> RFI	<input type="checkbox"/> Design Modification	<input type="checkbox"/> Proposed VE
	<input type="checkbox"/> Standard Specification	<input type="checkbox"/> Supplemental Specification	<input type="checkbox"/> Special Provision
RFI Number: 011	Date: 7/29/23		
Item Number: 403-6001 to 650-6041			
Specification Number:	Specification Page No:		
Plan Sheet No: 23 & 253	Detail:		
REQUEST: See request attached below.			
PROPOSED SOLUTION (If applicable):			
Submitted By: Ateesh Tiwari		Date: 7/29/23	
RESPONSE: Yes, the provided information is correct, this sign will be removed from the scope of work. The following two quantities will also be removed, 416-6021 42" DS and 636-6003 Aluminum Signs			
By: Ryan Schuller	Signature: <i>R.S</i>	Date: 7/31/23	
After reviewing the response; we anticipate:			
That a change order will be required?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
That there will be an increase in the cost of the project?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
That there will be an increase in the time of the project?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	



**TEXAS STERLING CONSTRUCTION
CO.**

20810 Fernbush
Houston, TX 77073
Office: (281) 821-9091
FAX: (281) 821-2995

REQUEST FOR INFORMATION

Date: 07/29/2023

Project #: CC 3510-4-55

Project: SH 99 Southbound
Frontage Road

RFI #: 11

Drawing #:

Specification #:

Critical Path Delay: No

TO: Daniel Dvorak
Scott Salcido
Grant Hamman
Ryan Schuller
Jeff Pilgrim
Jason Cope
Brad Hildebrand

FROM: Ateesh Tiwari
Texas Sterling Construction Co.
20810 Fernbush
Houston, TX 77073,
PHONE: 281-639-2739
EMAIL: Ateesh.Tiwari@strlco.com
CC: Chris.cedar@strlco.com

Description: RFI – Descoping Overhead Cantilever Sign

RFI Detail

Per the meeting conducted on 7/14/2023 between TSC, TXDOT and RS&H, TSC was informed that the Overhead Cantilever Sign per Sheet 253 at M/L St. 1466+30 shall be de-scoped from TSC's contract. This was due to the location of the sign being incorrect and the sign being in adjacent contractor's scope of work as well.

Please confirm this information is correct and the following items are de-scoped or reduced in quantity-

- 403 6001 TEMPORARY SPL SHORING- 269 SF
- 420 6068 CL C CONC (SIGN COLUMN)- 25.66 CY
- 420 6134 CL C CONC (SIGN FOOTING)- 9.8 CY
- 432 6006 RIPRAP (CONC)(CL B)- 1 CY
- 650 6041 INS OH SN SUP (35FT CANT)(SPAN ONLY)- 1 EA

Attachments: Sheet 23 and 253

1/30/2023 9:59:24 AM D:\teds\dw_bentley.com\teds\Projects\2018\2018-2042-01 - Ft Bend Grand Parkway Frontage Rd\CSJ_351004055*SH99\DesignData\4 - Design\Plan_Set\1 - General\1.5_Summaries\055G055.dgn

SUMMARY OF OVERHEAD SIGN STRUCTURES (2014 SPEC)

CONTROL NO.	LAYOUT SHEET NO.	ELEV. SHEET NO.	STATION	STRUCTURE NO.	STRUCTURE TYPE	416				636	636	650	654	XXX
						(6020) DRILL SHAFT (SIGN MTS) (36 IN) LF	(6021) DRILL SHAFT (SIGN MTS) (42 IN) LF	(6022) DRILL SHAFT (SIGN MTS) (48 IN) LF	(6023) DRILL SHAFT (SIGN MTS) (54 IN) LF	(6003) ALUMINIUM SIGNS (TY D) SF	(6006) REFURBISH ALUMINIUM SIGNS (TY D) EA	(6204) REMOVE OVERHD SIGN SUP EA	(6002) SIGN WALKWAY (24 IN) WITH HNDRL LF	(XXX) REMOV OVHD SIGNS EA
3510-04-055		1 OF 1	1466+30	SH 99-1466	COSS-HS		40			150.5				
TOTALS							40			150.5				

SUMMARY OF OVERHEAD SIGN STRUCTURES									
HIGHWAY	ELEVATION SHEET NO.	STATION	STRUCTURE NO.	STRUCTURE TYPE	403	420	420	432	650
					6001	6068	6134	6006	6041
					TEMPORARY SPL SHORING	CL C CONC (SIGN COLUMN)	CL C CONC (SIGN FOOTING)	RIPRAP (CONC)(CL B)	INS OH SN SUP(35 FT CANT)(SPAN ONLY)
					SF	CY	CY	CY	EA
SH 99	1 OF 1	1466+30	SH 99 - 1466	COSS-HS	269	25.66	9.8	1	1
PROJECT TOTALS					269	25.66	9.8	1	1

TEDSI INFRASTRUCTURE GROUP
 Consulting Engineers
738 Hwy 6 South, Suite 430
Houston, Texas 77079
(832) 619-1000

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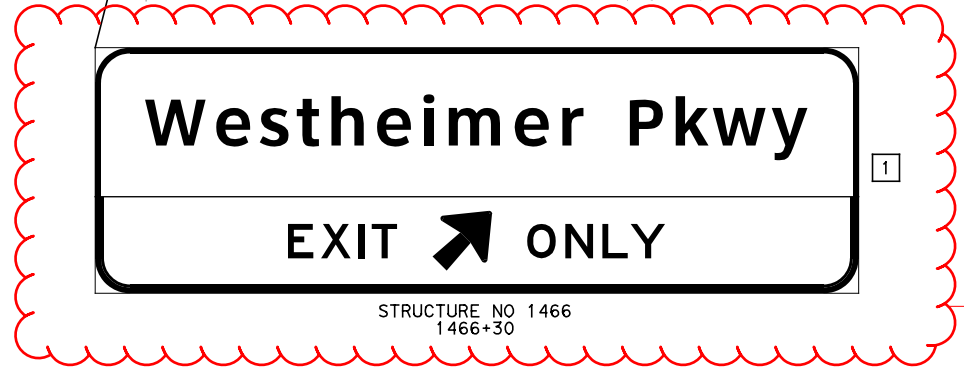
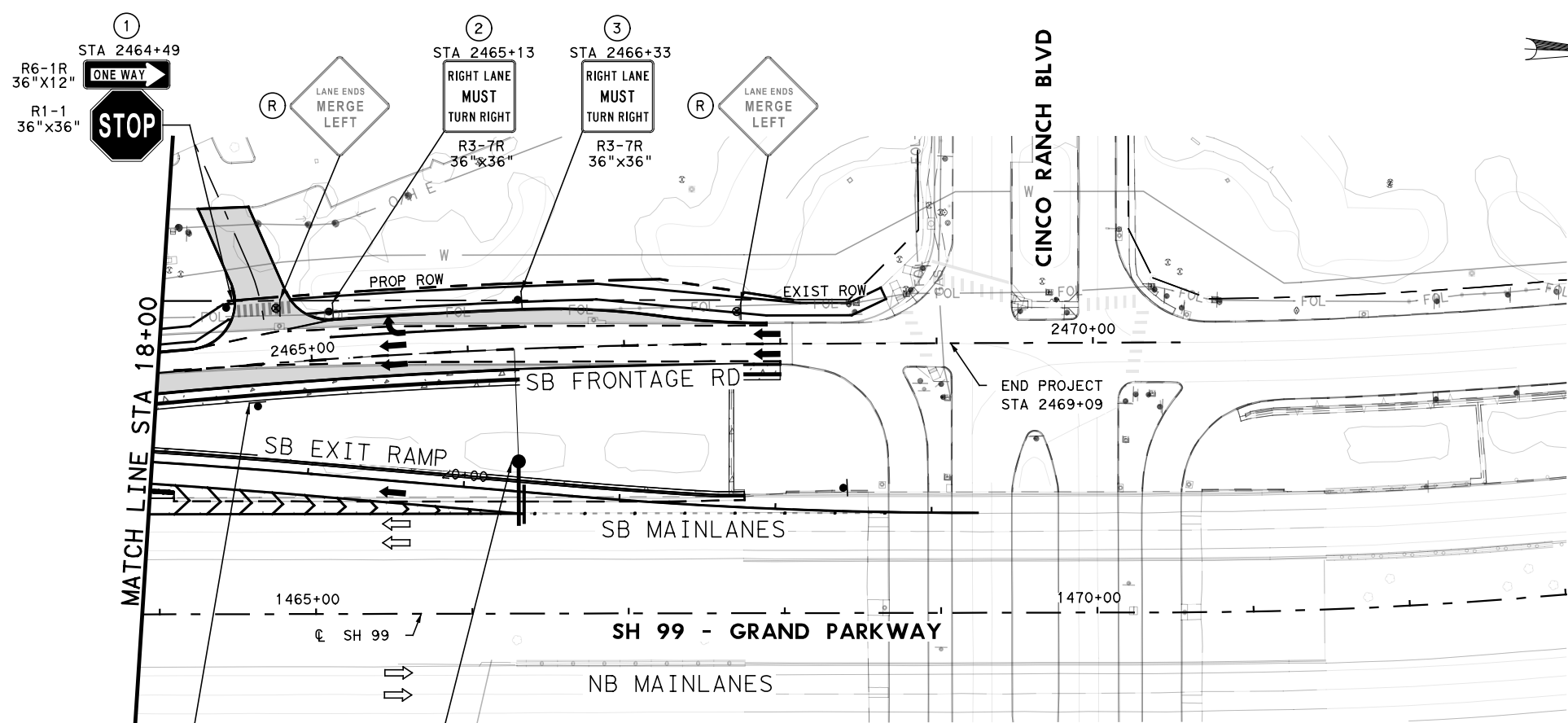
SH 99
SOUTHBOUND FRONTAGE ROAD
WESTHEIMER PKWY TO CINCO RANCH BLVD

SUMMARY OF OVERHEAD SIGN STRUCTURES

SHEET 1 OF 1

FED. RD. DIV. NO.	PROJECT NO.	HIGHWAY NO.
6		SH 99
STATE	DIST.	COUNTY
TEXAS	HOU	FORT BEND
CONT.	SECT.	JOB
3510	04	055
		SHEET NO.
		23

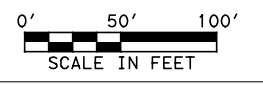
1/23/2023 11:07:54 AM D:\teds\tds\pw_bentley.com\teds\1-2018-2042-01 - Ft Bend Grand Parkway Frontage Rd\CSJ_351004055*SH99\DesignData\4 - DesignPlan_Set\8 - Traffic\055M504.dgn



Sign in question

LEGEND

- ▬ PROPOSED SMALL SIGN
- ▬ EXISTING GROUND MOUNTED SIGN TO BE REMOVED
- ▬ PROPOSED CANTILEVER SIGN
- Ⓝ PROPOSED SMALL SIGN NUMBER
- Ⓝ PROPOSED LARGE SIGN NUMBER
- Ⓡ EXISTING SMALL SIGN TO BE REMOVED
- Ⓡ EXISTING LARGE SIGN TO BE REMOVED
- ⇨ DIRECTION OF TRAFFIC FLOW (EXISTING)
- ⇨ DIRECTION OF TRAFFIC FLOW (PROPOSED)



STATE OF TEXAS
 YOHANNES A. TADESSE
 107781
 REGISTERED PROFESSIONAL ENGINEER
Yohannes Tadesse
 1/19/2023

TEDSI INFRASTRUCTURE GROUP
 Consulting Engineers
 738 Hwy 6 South, Suite 430
 Houston, Texas 77079
 (832) 619-1000
 TBPE F-1640

Texas Department of Transportation
 © 2023 TxDOT

SH 99
 SOUTHBOUND FRONTAGE ROAD
 WESTHEIMER PKWY TO CINCO RANCH BLVD
 SIGNING LAYOUT
 SB EXIT RAMP
 STA 18+00 TO END
 SHEET 4 OF 4

FED. RD. DIV. NO.	PROJECT NO.		HIGHWAY NO.
6			SH 99
STATE	DIST.	COUNTY	
TEXAS	HOU	FORT BEND	
CONT.	SECT.	JOB	SHEET NO.
3510	04	055	253



Stiver Engineering, Inc.

1305 Peden St.
Houston, TX 77006
Tel: (713) 526-3478
accounting@stivereng.com
www.stivereng.com

INVOICE

INVOICE DATE: 7/19/2023
INVOICE NO: 23112.1.1
BILLING THROUGH: 7/17/2023

Accounts Payable
Texas Sterling Construction, L.P.
20810 Fernbush
Houston, TX 77073

23112.1 - Column Concrete Forming Plan - PO #:2304

Engineering Services
June 5 - July 17, 2023

SH99 Cantilever Sign-Column Concrete Forming Plan

Attn: Mr. Ateesh Tiwari

PROFESSIONAL SERVICES

TITLE	HOURS	RATE	AMOUNT
Administrative	3.50	\$60.00	\$210.00
CAD Technician I	21.00	\$125.00	\$2,625.00
Engineer I	27.50	\$150.00	\$4,125.00
Managing Engineer	11.50	\$210.00	\$2,415.00
Project Coordinator	1.00	\$75.00	\$75.00
Senior CAD Director	1.00	\$185.00	\$185.00
Senior Engineer	2.25	\$260.00	\$585.00
TOTAL SERVICES	67.75		\$10,220.00

SUBTOTAL \$10,220.00

AMOUNT DUE THIS INVOICE \$10,220.00

This invoice is due on 8/18/2023

Ateesh Tiwari

From: Stiver Engineering <sei@stivereng.com>
Sent: Thursday, July 13, 2023 7:39 PM
To: Ateesh Tiwari
Subject: SEI 23112.1-REVIEW-Cantilever Sign Column Formwork- SH99
Attachments: CONCRETE FORMING PLAN_071323_08.pdf

[EXTERNAL]

To: Ateesh Tiwari
Texas Sterling Construction

Re: Column Concrete Forming Plan

Attached is the drawings, 8 sheets, for your review.

Please let us know if you have any questions or comments. If not, please call or email us to proceed with finalizing the design.

Please confirm receipt of this e-mail by returning read receipt.
Thank you.

If we can be of assistance, please let us know.

Best Regards,



Rosemary Dominguez Assistant Administrator
[p] 713-526-3478 [e] sei@stivereng.com
1305 Peden St | Houston, TX 77006 | stivereng.com

From: Ateesh Tiwari <Ateesh.Tiwari@strlco.com>
Sent: Friday, July 7, 2023 3:57 PM
To: Stiver Engineering <sei@stivereng.com>
Subject: RE: SEI 23112.1-Request For Information-Cantilever Sign Column Formwork- SH99

Kishan and Fahim,
Please see attached, The info requested is provided in green.

The preliminary arrangement looks fine.

Best,



Ateesh Tiwari
Project Manager
281-639-2739
Texas Sterling Construction

From: Stiver Engineering <sei@stivereng.com>
Sent: Thursday, July 6, 2023 2:24 PM
To: Ateesh Tiwari <Ateesh.Tiwari@strlco.com>
Subject: SEI 23112.1-Request For Information-Cantilever Sign Column Formwork- SH99

[EXTERNAL]

Ateesh,

Please see the attached pdf. We need the information for the 3'x 12' and 3'x8' panels that are marked in blue in sheet 1 and sheet 2. We need the information for the 12' x 5' panel that are marked in sheet 4.

Sheet 3 contains preliminary arrangement of the form work for the single lift. Please advise if you want us to change anything in that arrangement.

Kishan K.

Best Regards,



Rosemary Dominguez Assistant Administrator
[p] 713-526-3478 [e] sei@stivereng.com
1305 Peden St | Houston, TX 77006 | stivereng.com

From: Ateesh Tiwari <Ateesh.Tiwari@strlco.com>
Sent: Wednesday, July 5, 2023 4:23 PM
To: Stiver Engineering <sei@stivereng.com>
Subject: RE: SEI 23112.1-Cantilever Sign Column Formwork- SH99

Hello,
Please see the attached form pictures with additional measurements as requested.



Ateesh Tiwari
Project Manager
281-639-2739
[Texas Sterling Construction](http://TexasSterlingConstruction.com)

From: Ateesh Tiwari
Sent: Wednesday, July 5, 2023 11:16 AM
To: 'Stiver Engineering' <sei@stivereng.com>
Subject: RE: SEI 23112.1-Cantilever Sign Column Formwork- SH99

Hello Fahim,
Per our phone conversation, please see the attached sign drawings. I believe sheet 288 shows the truss embedment detail that you'll need.

I'll send over the member dimensions requested shortly.

Best,



Ateesh Tiwari
Project Manager
281-639-2739
Texas Sterling Construction

From: Stiver Engineering <sei@stivereng.com>
Sent: Wednesday, June 28, 2023 5:04 PM
To: Ateesh Tiwari <Ateesh.Tiwari@strlco.com>
Subject: RE: SEI 23112.1-Cantilever Sign Column Formwork- SH99

[EXTERNAL]

Ateesh,

Hello,

We are actively working on the project. Please provide the following details for the EFCO form (12'x5', 3'x12' and 3'x8') you have:

1. What is the thickness of the facing plate?
2. What are the dimensions of the members behind the face plate? Height, Flange width and thickness of the web and flange.
3. Spacing between the members behind the face plate.

Please see the attached pdf for details.

Kishan K.

Best Regards,



Rosemary Dominguez Assistant Administrator
[p] 713-526-3478 [e] sei@stivereng.com
1305 Peden St | Houston, TX 77006 | stivereng.com

From: Ateesh Tiwari <Ateesh.Tiwari@strlco.com>
Sent: Tuesday, June 27, 2023 4:43 PM
To: Stiver Engineering <sei@stivereng.com>
Subject: RE: SEI 23112.1-Cantilever Sign Column Formwork- SH99

Hello John,
Following up to see if we have any updates on the design drawings? WE're starting the project next month and would need this pretty quick.

Best,



Ateesh Tiwari
Project Manager
281-639-2739
Texas Sterling Construction

From: Ateesh Tiwari
Sent: Tuesday, June 20, 2023 2:55 PM
To: 'Stiver Engineering' <sei@stivereng.com>
Subject: RE: SEI 23112.1-Cantilever Sign Column Formwork- SH99

Good afternoon,
I do not have that info at hand. These forms were purchased years ago and I unfortunately do not have any documentation.



Ateesh Tiwari
Project Manager
281-639-2739
Texas Sterling Construction

From: Stiver Engineering <sei@stivereng.com>
Sent: Tuesday, June 20, 2023 2:23 PM
To: Ateesh Tiwari <Ateesh.Tiwari@strlco.com>
Subject: RE: SEI 23112.1-Cantilever Sign Column Formwork- SH99

[EXTERNAL]

Ateesh,

Good afternoon. We are currently working with EFCO to try to determine the pressure rating on the forms. Would you kindly advise if there is any known pressure rating for the forms?

Please advise.

Best Regards,



Veronica Mata Project Coordinator

[p] 713-526-3478 [e] sei@stivereng.com

1305 Peden St | Houston, TX 77006 | stivereng.com

From: Ateesh Tiwari <Ateesh.Tiwari@strlco.com>

Sent: Tuesday, June 13, 2023 12:32 PM

To: Stiver Engineering <sei@stivereng.com>

Subject: RE: SEI 23112.1-BILLING-RE: Cantilever Sign Column Formwork- SH99

Hello,

Please see the corrected info below in red



Ateesh Tiwari

Project Manager

281-639-2739

Texas Sterling Construction

From: Stiver Engineering <sei@stivereng.com>

Sent: Tuesday, June 13, 2023 12:01 PM

To: Ateesh Tiwari <Ateesh.Tiwari@strlco.com>

Subject: SEI 23112.1-BILLING-RE: Cantilever Sign Column Formwork- SH99

[EXTERNAL]

To: Ateesh Tiwari
Texas Sterling Construction

Re: Forming Plan

Good afternoon. In order to proceed with your new job request, would you kindly REPLY as soon as possible and confirm if the information below is correct, for billing purposes? Would you also provide the job number or a PO#?

Project No. or PO#: 2304

Project Name: SEI 23112.1- SH99 Cantilever Sign-Column Concrete Forming Plan

Billing Address: Texas Sterling Construction Co.
20810, Fernbush Dr,
Houston, Texas- 77073

Account Payable Email: ap@strlco.com

Please confirm receipt of this e-mail by returning read receipt.
Thank you.

If we can be of assistance, please let us know.

Regards,



Nahely Cardiel Assistant Administrator

[p] 713-526-3478 [e] sei@stivereng.com

1305 Peden St | Houston, TX 77006 | stivereng.com

From: Ateesh Tiwari <Ateesh.Tiwari@strlco.com>

Sent: Thursday, June 8, 2023 3:38 PM

To: Stiver Engineering <sei@stivereng.com>

Subject: RE: SEI 23-P117-RE: Cantilever Sign Column Formwork- SH99

Yes, please proceed with the drawings.



Ateesh Tiwari
Project Manager
281-639-2739
Texas Sterling Construction

From: Stiver Engineering <sei@stivereng.com>
Sent: Thursday, June 8, 2023 3:35 PM
To: Ateesh Tiwari <Ateesh.Tiwari@strlco.com>
Subject: SEI 23-P117-RE: Cantilever Sign Column Formwork- SH99

[EXTERNAL]

Ateesh,

Good afternoon. Thank you for your email. We apologize for the delayed response. Please advise if you would like us to proceed with the drawings.

Regards,



Nahely Cardiel Assistant Administrator
[p] 713-526-3478 **[e]** sei@stivereng.com
1305 Peden St | Houston, TX 77006 | stivereng.com

From: Ateesh Tiwari <Ateesh.Tiwari@strlco.com>
Sent: Friday, June 2, 2023 9:36 AM
To: Stiver Engineering <sei@stivereng.com>
Subject: RE: Cantilever Sign Column Formwork- SH99

Good morning John,
Please see the attached pictures of the forms along with my dimension markups.

We have the EFCO form in the following sizes

- 12'x5'- 7ea
- 3'x12'- 4ea

- 3'x8' - 3ea

I realize that these won't be enough but I'll be able to find some more in similar sizes in our stockpiles.

I believe the forms are too heavy to be held up with form ties and we'll have to use channel iron and bolts. In case you want to come to our yard and look at the forms next week to get a better idea, we can facilitate that too.

Best,



Ateesh Tiwari
Project Manager
281-639-2739
Texas Sterling Construction

From: Stiver Engineering <sei@stivereng.com>
Sent: Thursday, June 1, 2023 11:32 AM
To: Ateesh Tiwari <Ateesh.Tiwari@strlco.com>
Subject: RE: Cantilever Sign Column Formwork- SH99

[EXTERNAL]

Ateesh,

Good morning. Thank you for sending over the forming sketch and plans. We can put the formwork together. Please advise regarding bolt hole diameters, spacing and sizing along with the formwork dimensions and thicknesses. Also, please advise if we can use form ties to hold the long sides together.

Please advise.

Thank you,



John M. Stiver, P.E. President, Consulting Engineer
[p] 713-526-3478 [e] john@stivereng.com
1305 Peden St | Houston, TX 77006 | stivereng.com

From: Ateesh Tiwari <Ateesh.Tiwari@strlco.com>
Sent: Thursday, June 1, 2023 09:57
To: Stiver Engineering <sei@stivereng.com>
Subject: Cantilever Sign Column Formwork- SH99

Good morning John,

Apologies on not sending this yesterday. Per our phone conversation, I'm looking to engineer the formwork system for 1ea 35'x10'6"x2'3" Cantilever Sign Column. I've attached some pictures of our metal forms for reference, which we'd like to utilize for it. I've tried to draw up the layout of how I think we can create the system. Please review and let me know your thoughts.

Best,



Ateesh Tiwari
Project Manager
281-639-2739
Texas Sterling Construction

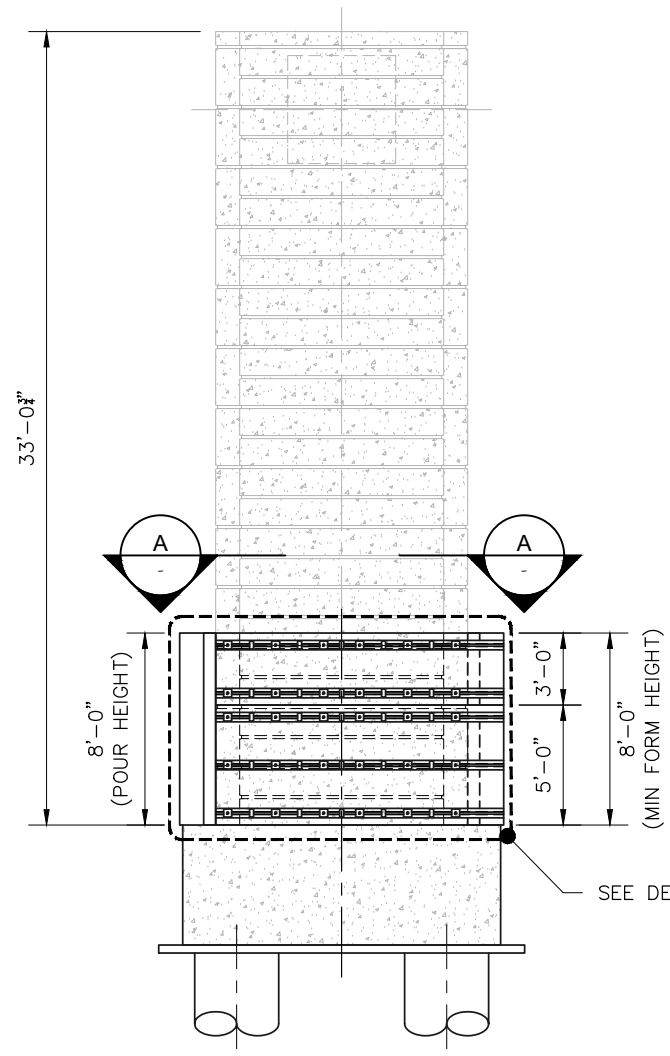
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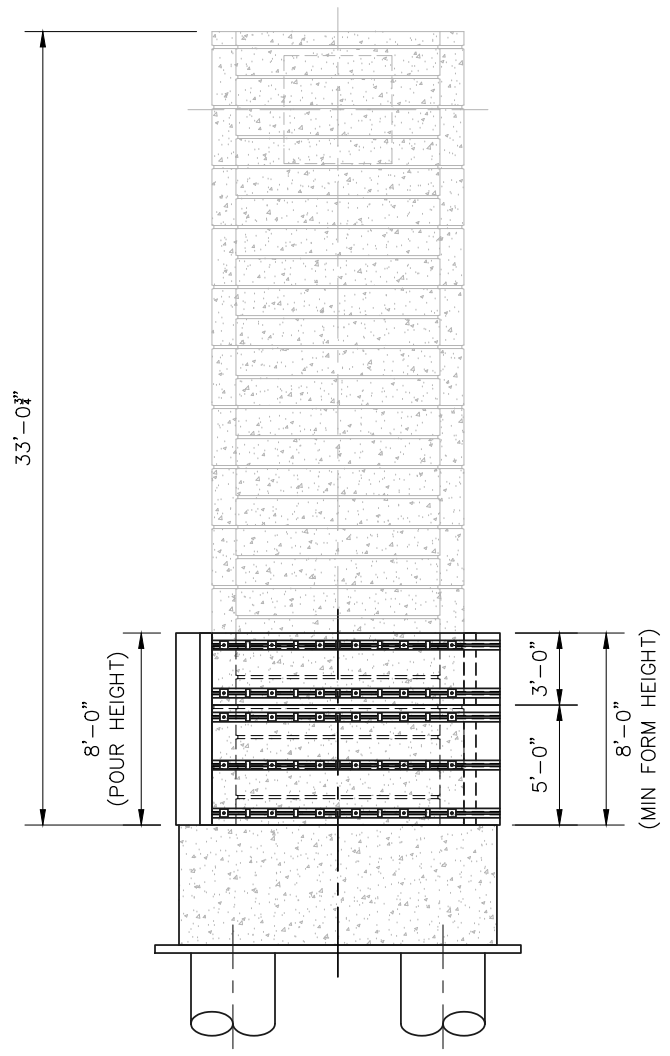
WHEN IN DOUBT, ASK. EN CASO DE DUDA, PREGUNTA.

NO.	DATE	REVISION	APPROVED



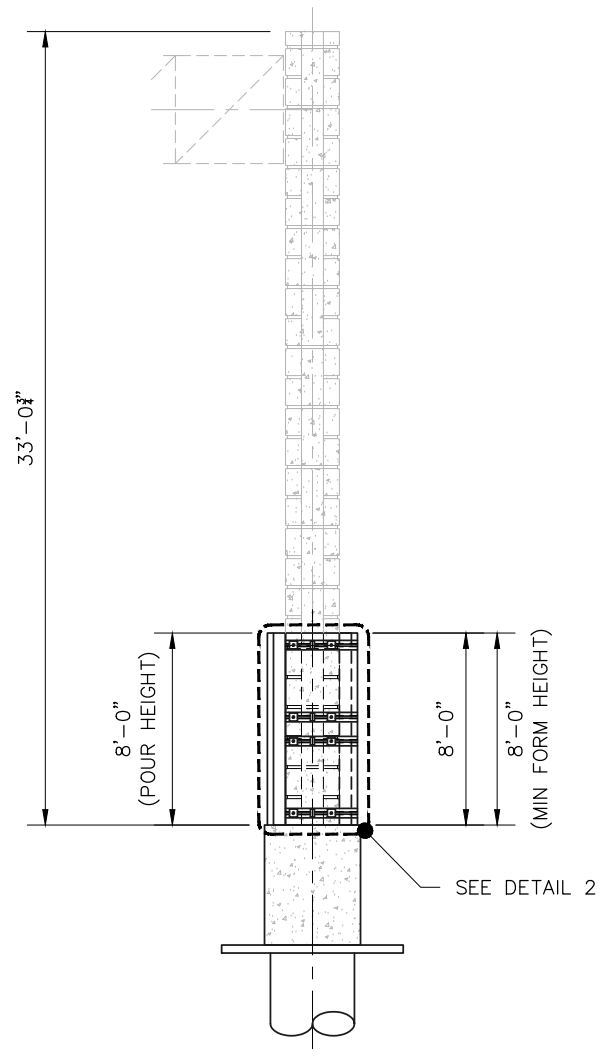
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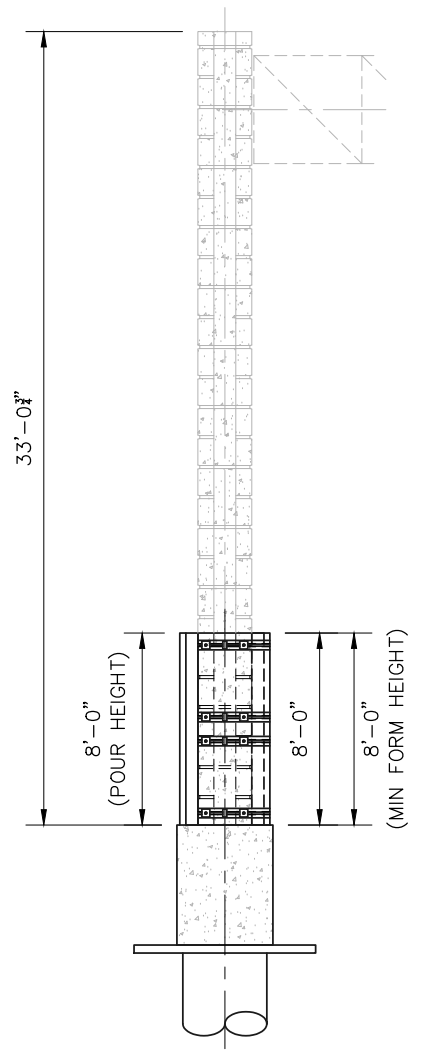
BACK ELEVATION

SCALE: 1/8" = 1' - 0"



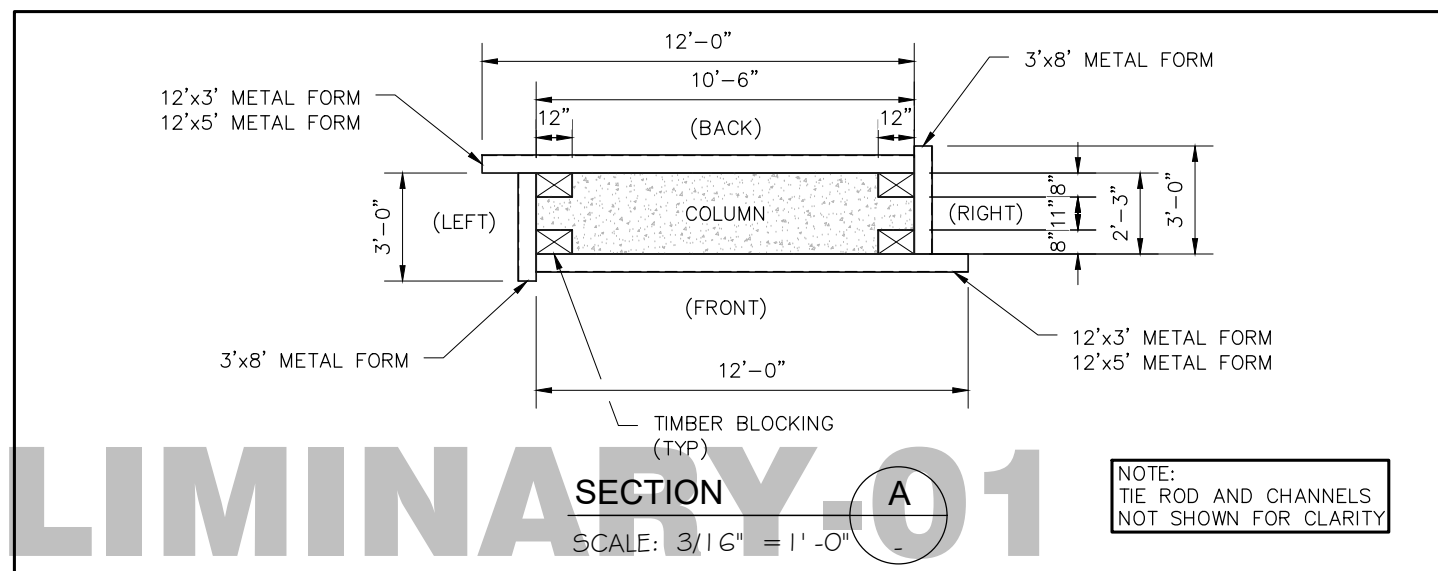
RIGHT ELEVATION

SCALE: 1/8" = 1' - 0"



LEFT ELEVATION

SCALE: 1/8" = 1' - 0"



SECTION A
SCALE: 3/16" = 1' - 0"

NOTE:
TIE ROD AND CHANNELS
NOT SHOWN FOR CLARITY

NOTE:
THE FORMSAVER FOR COLUMN TEXTURE
IS NOT INCLUDED IN THIS DRAWING.

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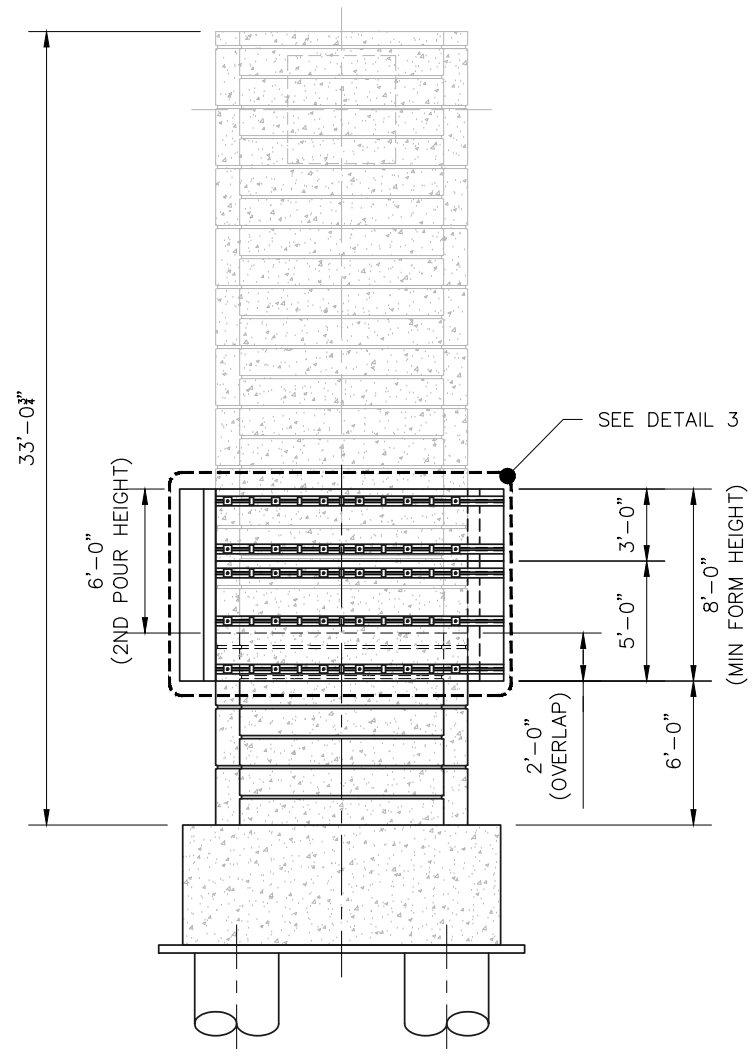
	1305 Peden Street Houston, Texas 77006 [p] (713) 526-3478 stivereng.com TX Registration No. F-190	
	TEXAS STERLING CONSTRUCTION CO. SH99 CANTILEVER SIGN COLUMN CONCRETE FORMING PLAN	
PHASE 1/POUR 1 FRONT ELEVATION, BACK ELEVATION, RIGHT ELEVATION, LEFT ELEVATION AND SECTION A		
DATE: 07-11-23	PROJECT NO: 23112.1	SHEET
APPROVED BY: JMS	PRJ MGR: JK	DRAFTER MGR: MR
SCALE: AS SHOWN	PRJ ENG: KK	DRAWN BY: BB
		1 OF 8

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PRELIMINARY-01

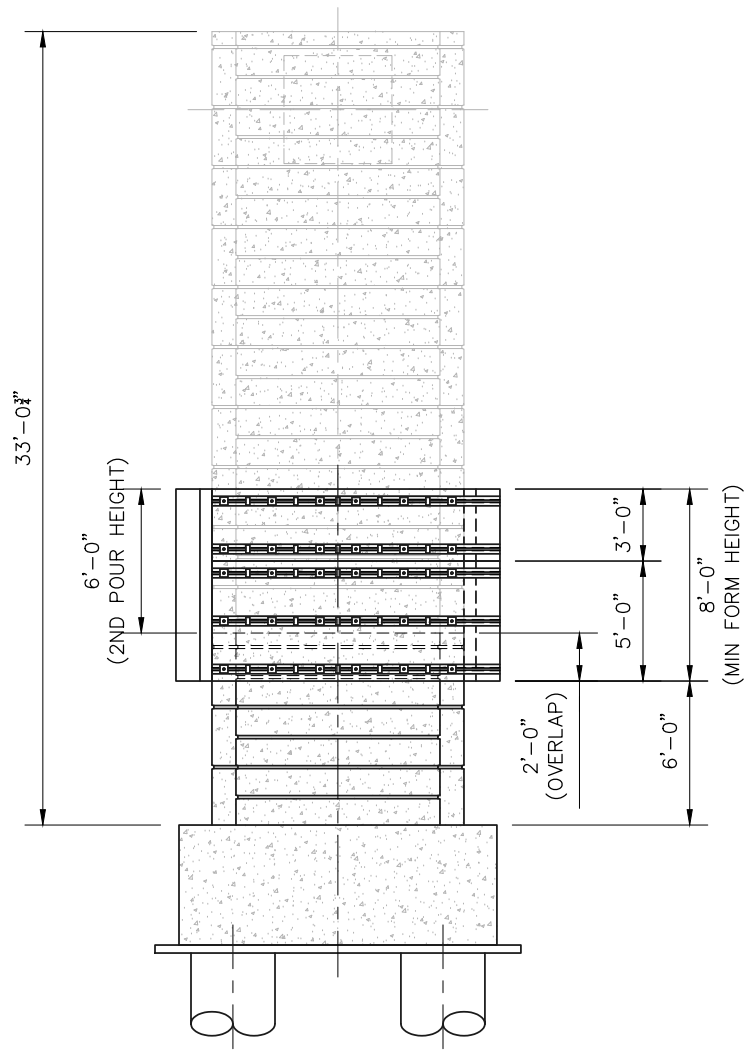
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NO.	DATE	REVISION	APPROVED



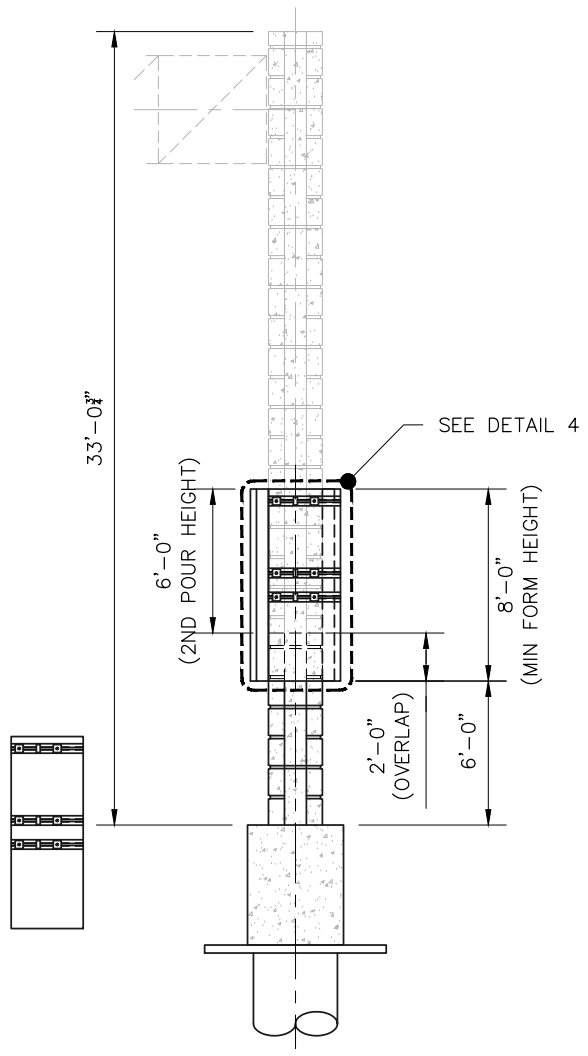
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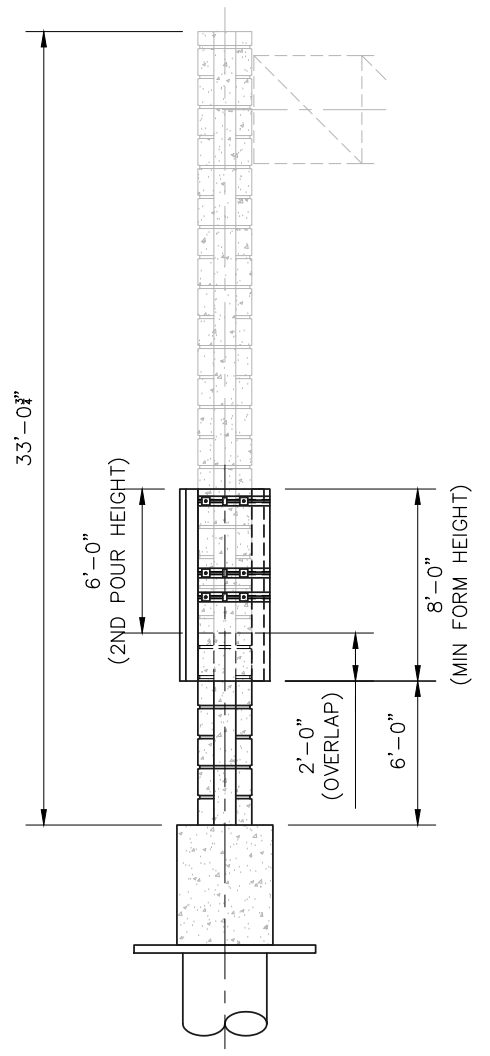
BACK ELEVATION

SCALE: 1/8" = 1' -0"



RIGHT ELEVATION

SCALE: 1/8" = 1' -0"



LEFT ELEVATION

SCALE: 1/8" = 1' -0"

PLOTTED: Jul 13, 2023 - 7:32pm
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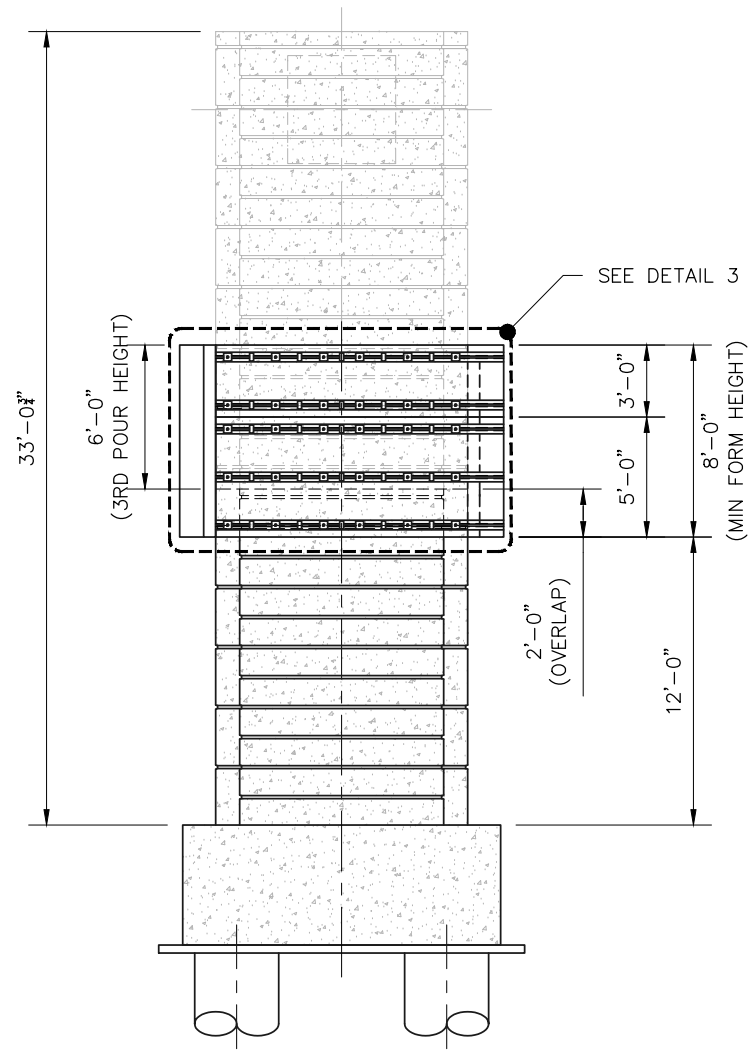
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	TEXAS STERLING CONSTRUCTION CO. SH99 CANTILEVER SIGN COLUMN CONCRETE FORMING PLAN PHASE 2/POUR 2 FRONT ELEVATION, BACK ELEVATION, RIGHT ELEVATION AND LEFT ELEVATION	
DATE: 07-11-23	PROJECT NO: 23112.1	SHEET 2 OF 8
APPROVED BY: JMS	PRJ MGR: JK	DRAFTER MGR: MR
SCALE: AS SHOWN	PRJ ENG: KK	DRAWN BY: BB

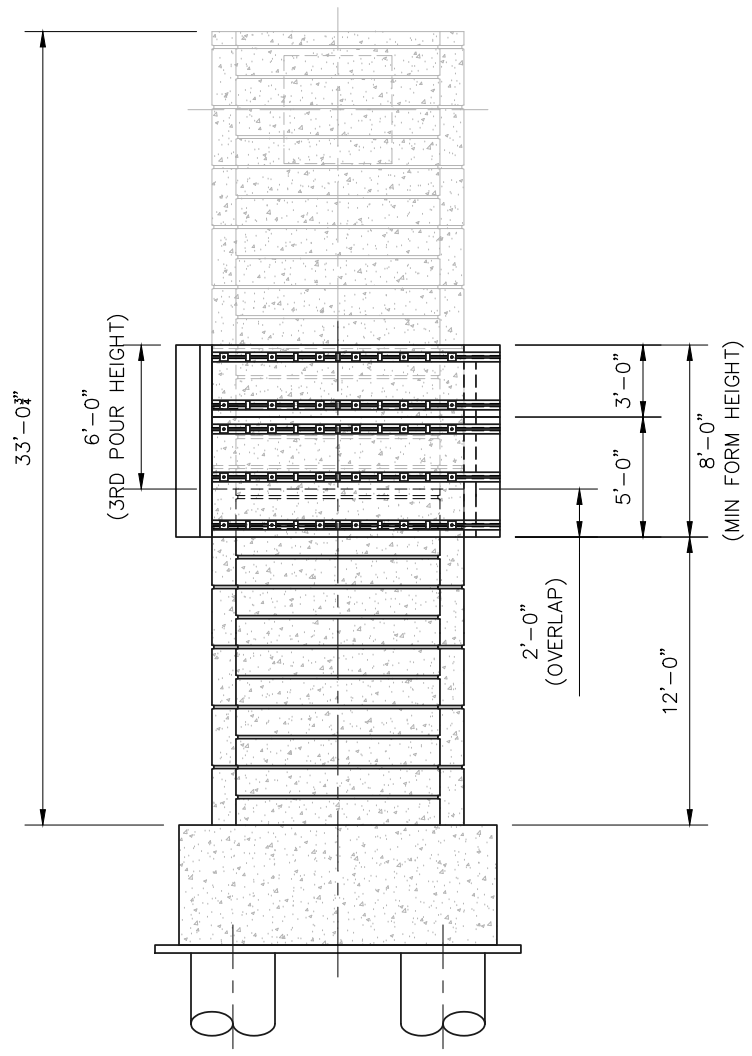
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NO.	DATE	REVISION	APPROVED



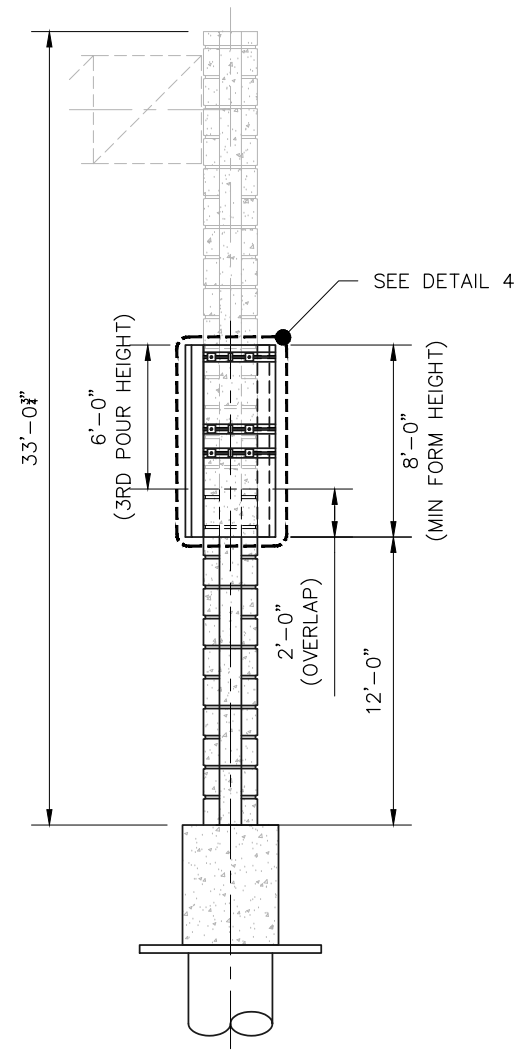
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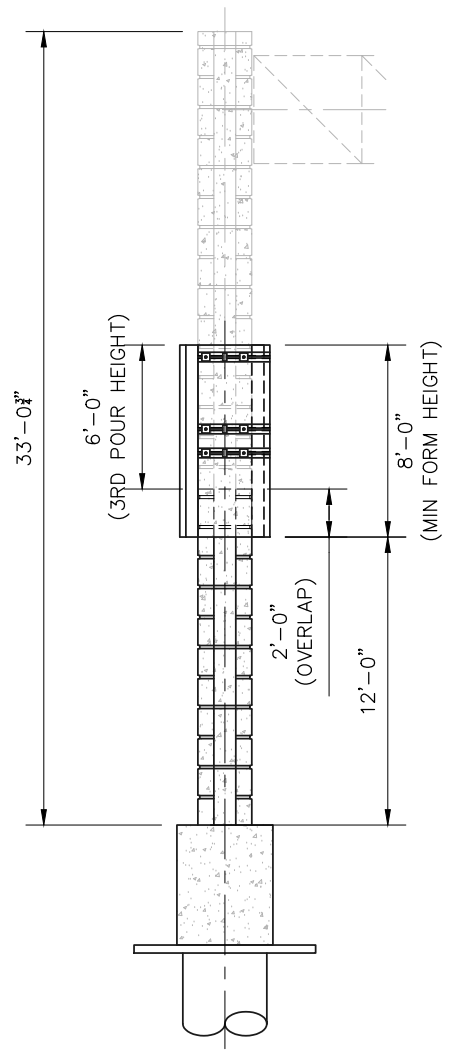
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RIGHT ELEVATION

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LEFT ELEVATION

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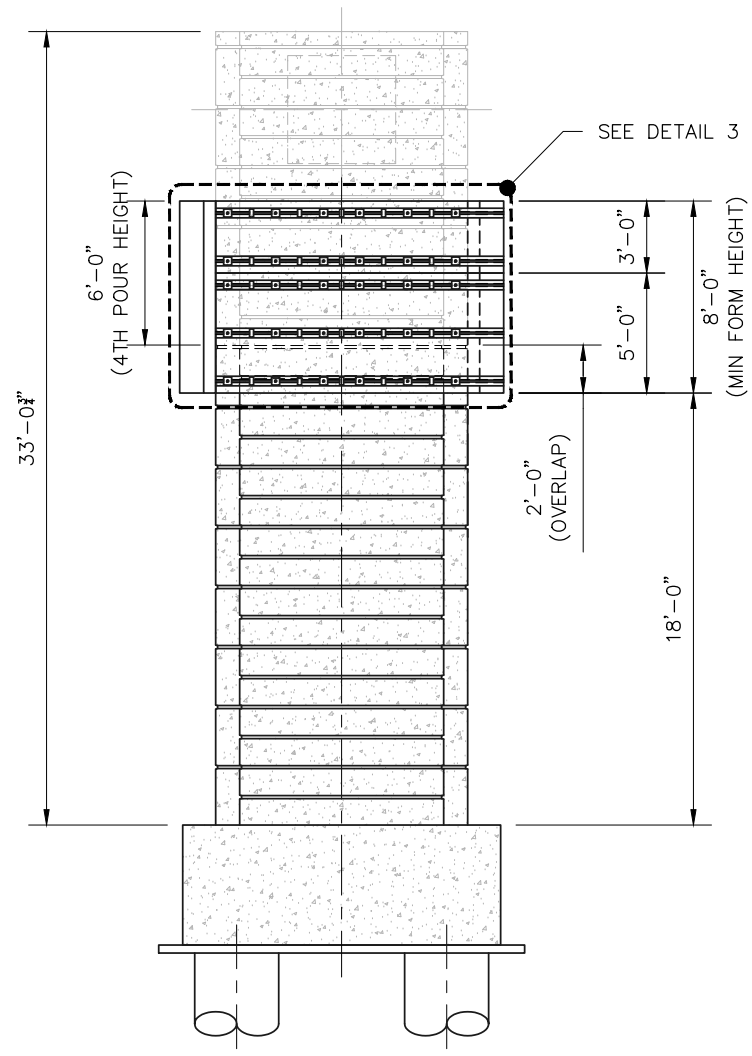
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	TEXAS STERLING CONSTRUCTION CO. SH99 CANTILEVER SIGN COLUMN CONCRETE FORMING PLAN PHASE 3/POUR 3 FRONT ELEVATION, BACK ELEVATION, RIGHT ELEVATION AND LEFT ELEVATION	
DATE: 07-11-23	PROJECT NO: 23112.1	SHEET 3 OF 8
APPROVED BY: JMS	PRJ MGR: JK	DRAFTER MGR: MR
SCALE: AS SHOWN	PRJ ENG: KK	DRAWN BY: BB

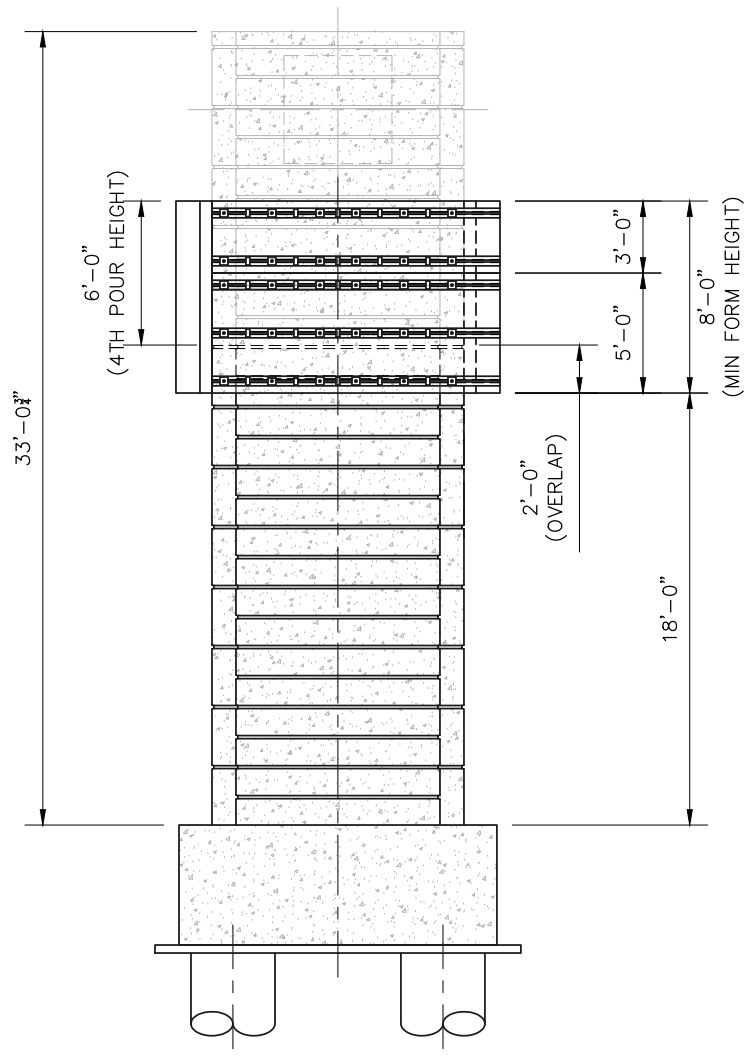
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NO.	DATE	REVISION	APPROVED



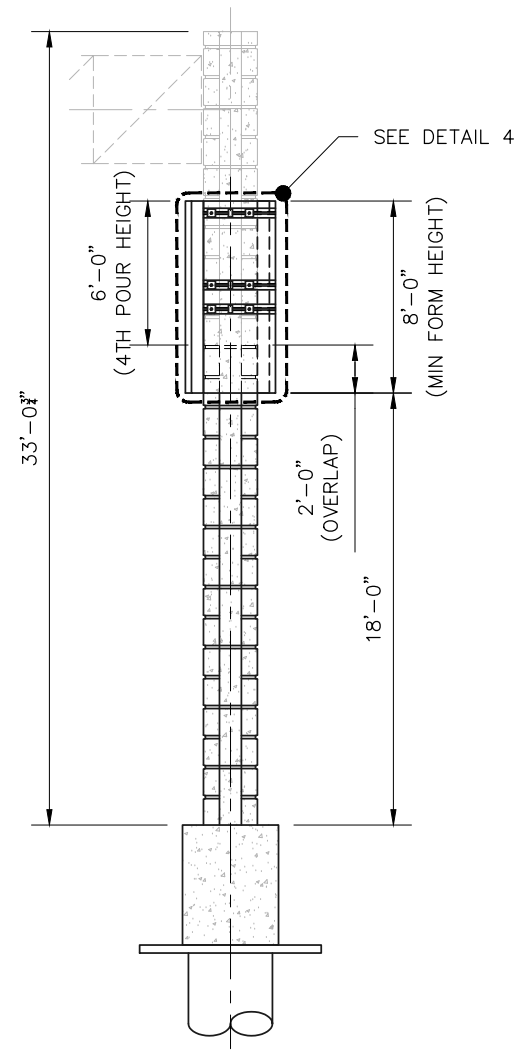
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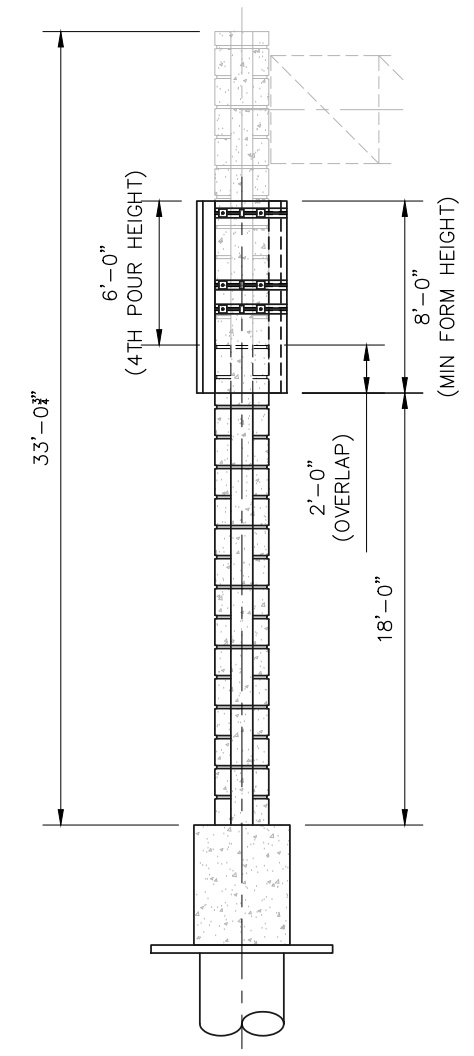
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RIGHT ELEVATION

SCALE: 1/8" = 1' -0"



LEFT ELEVATION

SCALE: 1/8" = 1' -0"

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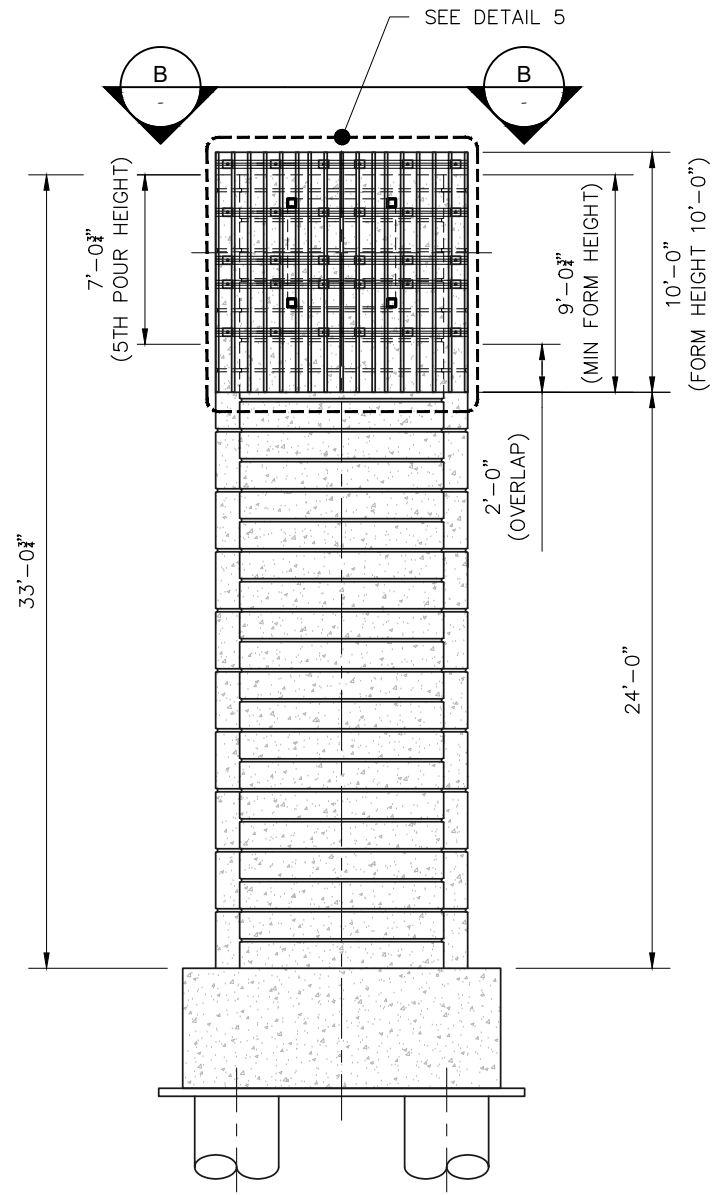
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	TEXAS STERLING CONSTRUCTION CO. SH99 CANTILEVER SIGN COLUMN CONCRETE FORMING PLAN PHASE 4/POUR 4 FRONT ELEVATION, BACK ELEVATION, RIGHT ELEVATION AND LEFT ELEVATION	
DATE: 07-11-23	PROJECT NO: 23112.1	SHEET
APPROVED BY: JMS	PRJ MGR: JK	DRAFTER MGR: MR
SCALE: AS SHOWN	PRJ ENG: KK	DRAWN BY: BB
		4 OF 8

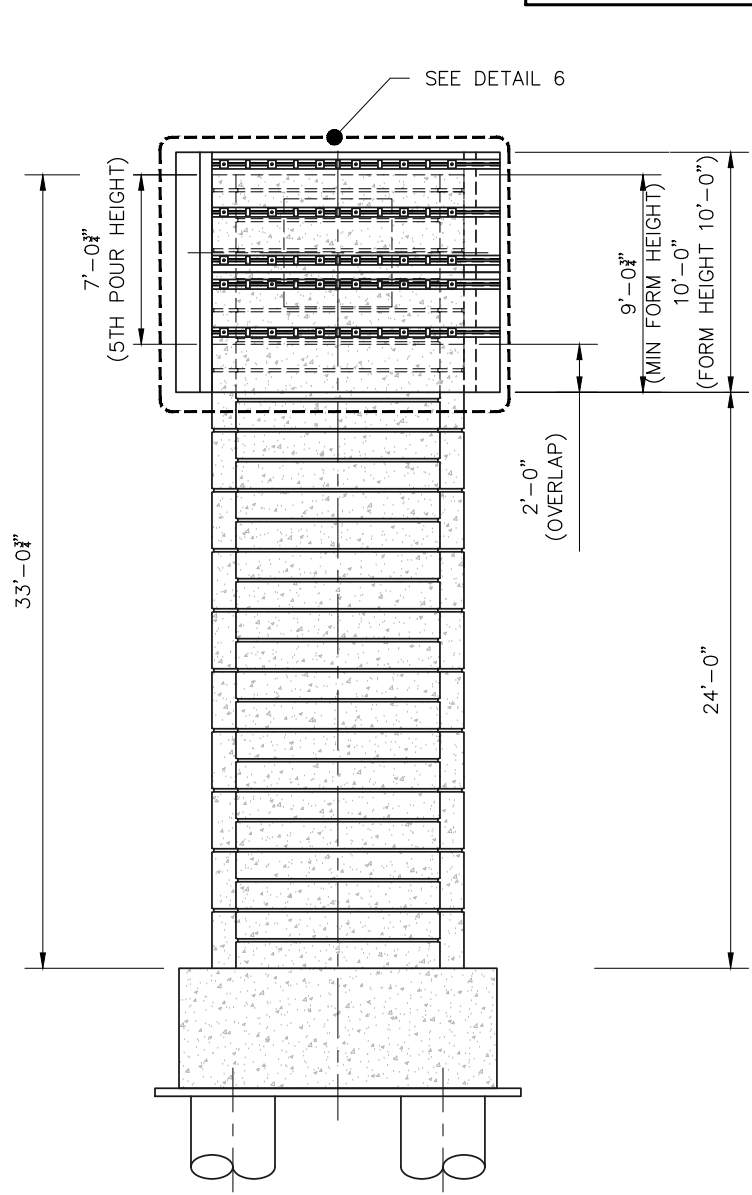
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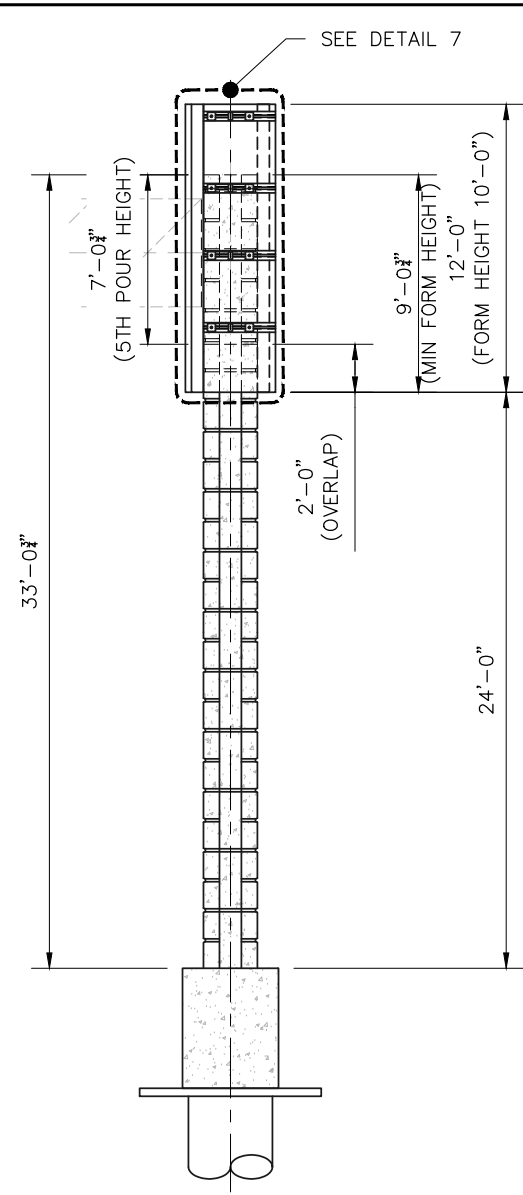
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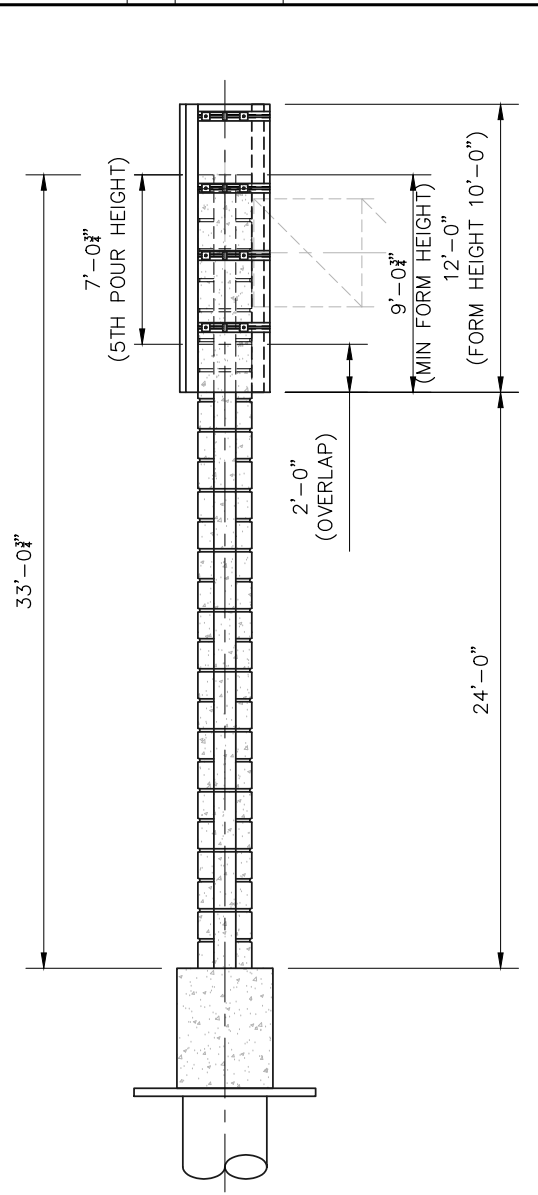
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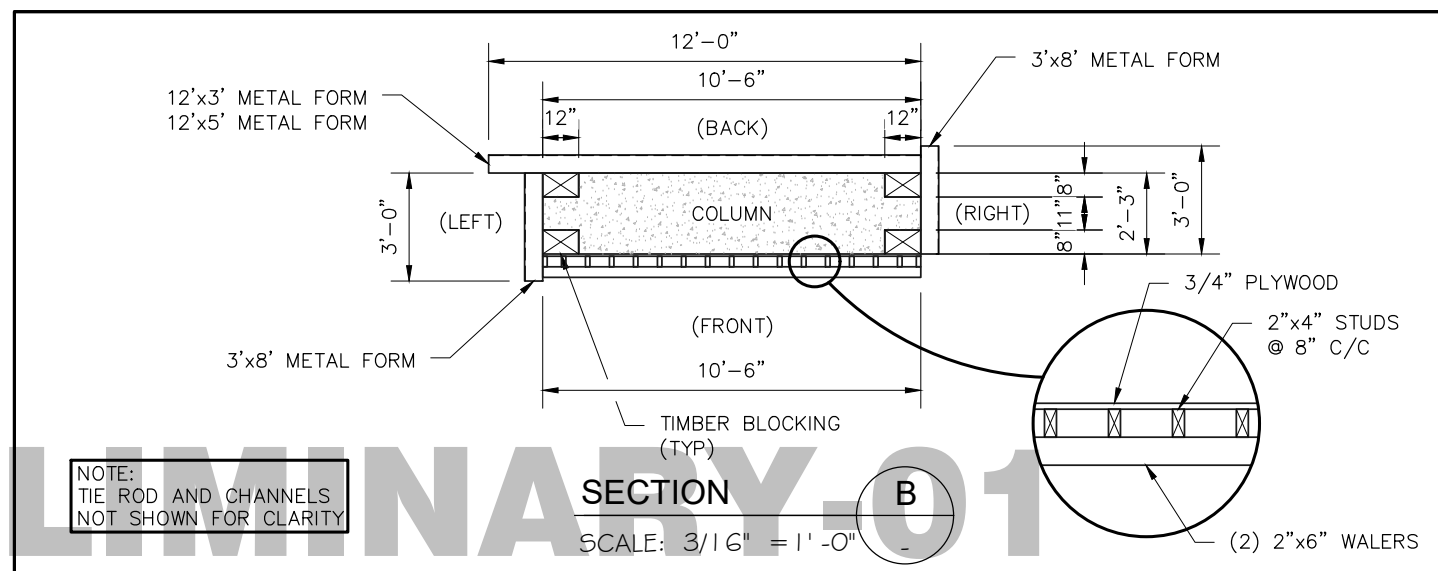
RIGHT ELEVATION

SCALE: 1/8" = 1' - 0"



LEFT ELEVATION

SCALE: 1/8" = 1' - 0"



SECTION

SCALE: 3/16" = 1' - 0"

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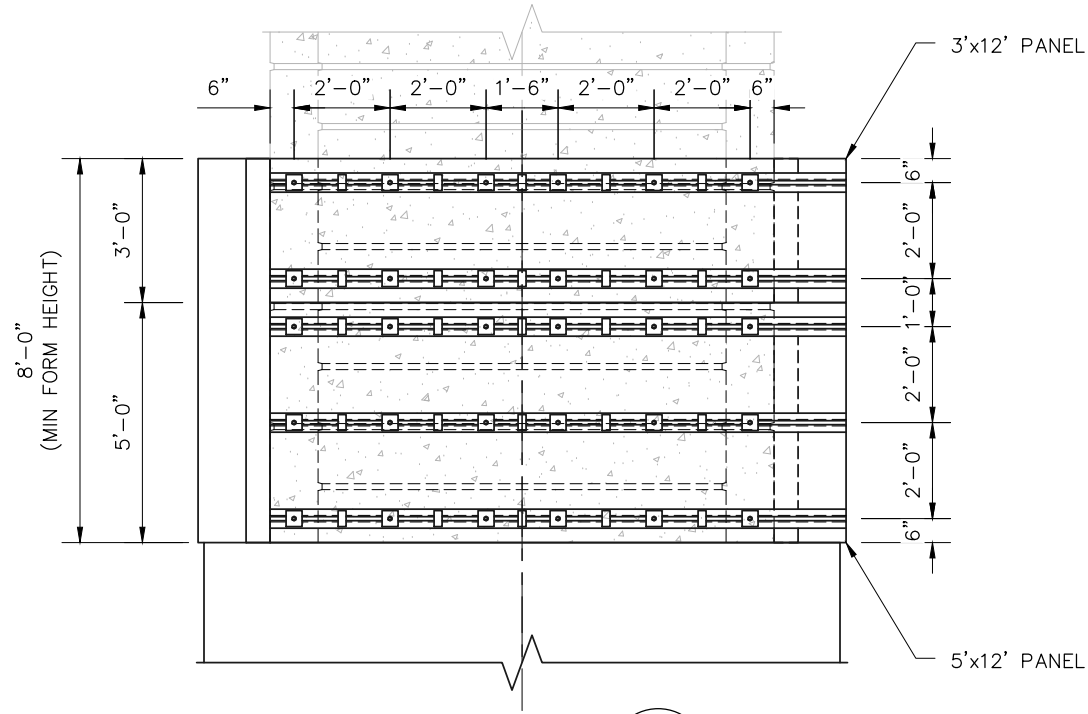
		1305 Peden Street Houston, Texas 77006 (713) 526-3478 stivereng.com TX Registration No. F-190	
TEXAS STERLING CONSTRUCTION CO. SH99 CANTILEVER SIGN COLUMN CONCRETE FORMING PLAN			
PHASE 5/POUR 5 FRONT ELEVATION, BACK ELEVATION, RIGHT ELEVATION AND LEFT ELEVATION			
DATE: 07-11-23	PROJECT NO: 23112.1	SHEET 5 OF 8	
APPROVED BY: JMS	PRJ MGR: JK	DRAFTER MGR: MR	SCALE: AS SHOWN
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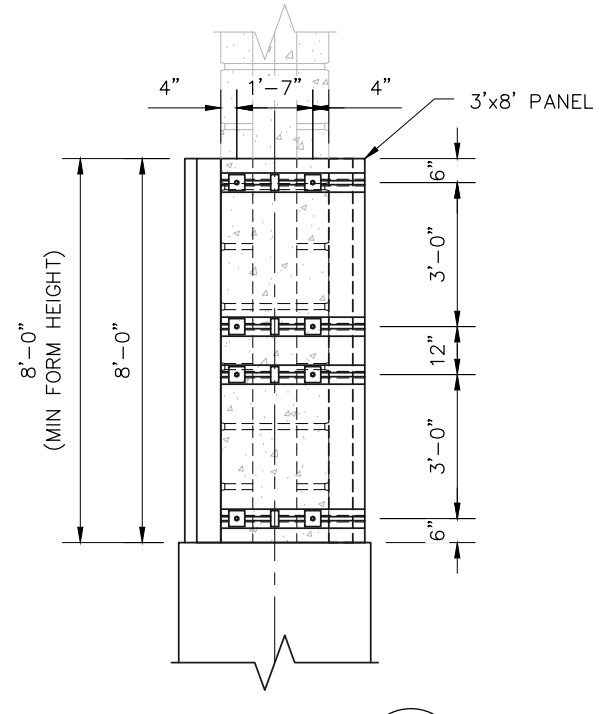
PRELIMINARY-01

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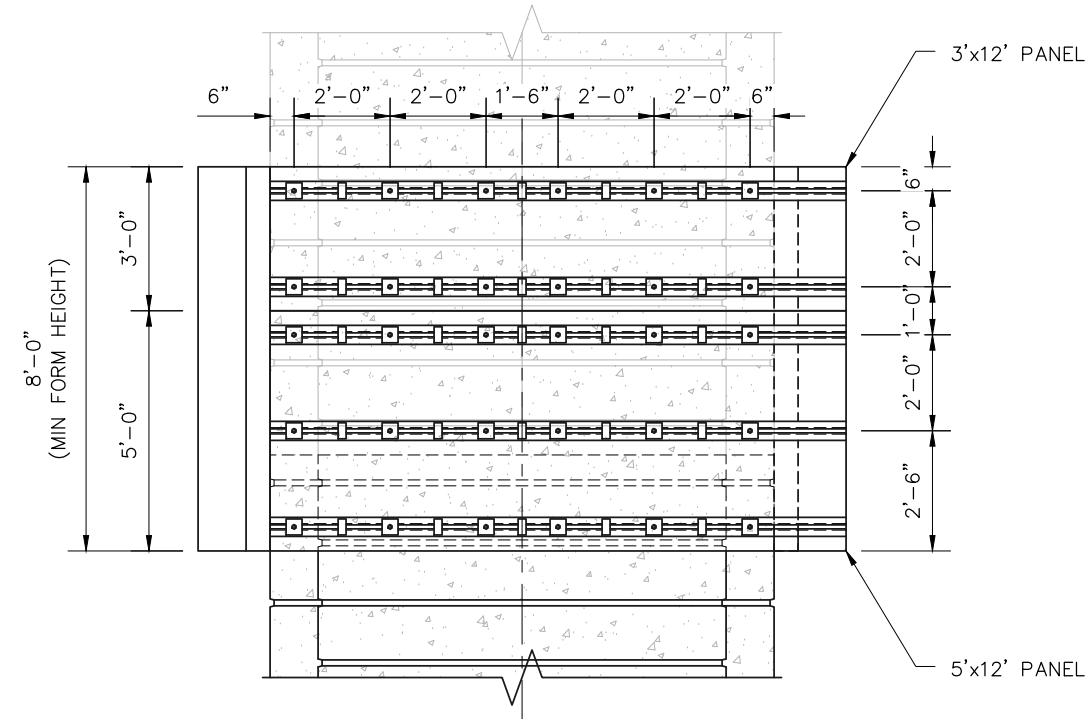
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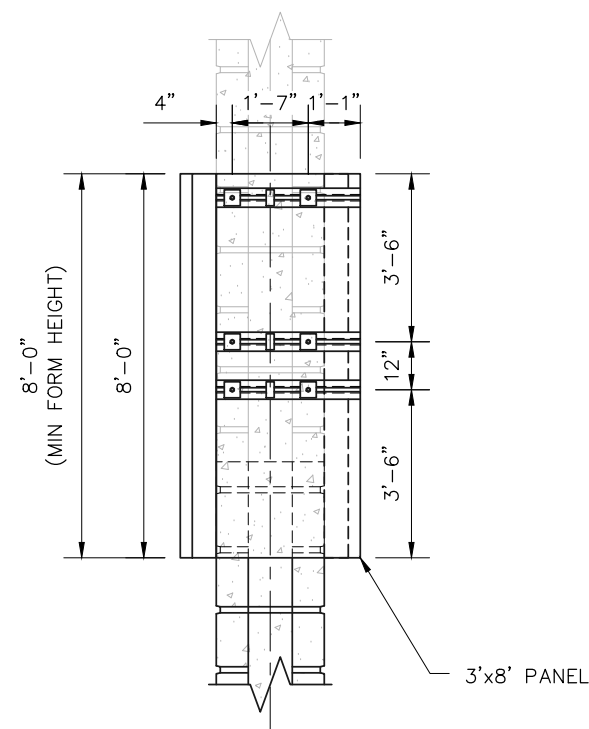
DETAIL 1
SCALE: 1/4" = 1'-0"



DETAIL 2
SCALE: 1/4" = 1'-0"



DETAIL 3
SCALE: 1/4" = 1'-0"



DETAIL 4
SCALE: 1/4" = 1'-0"

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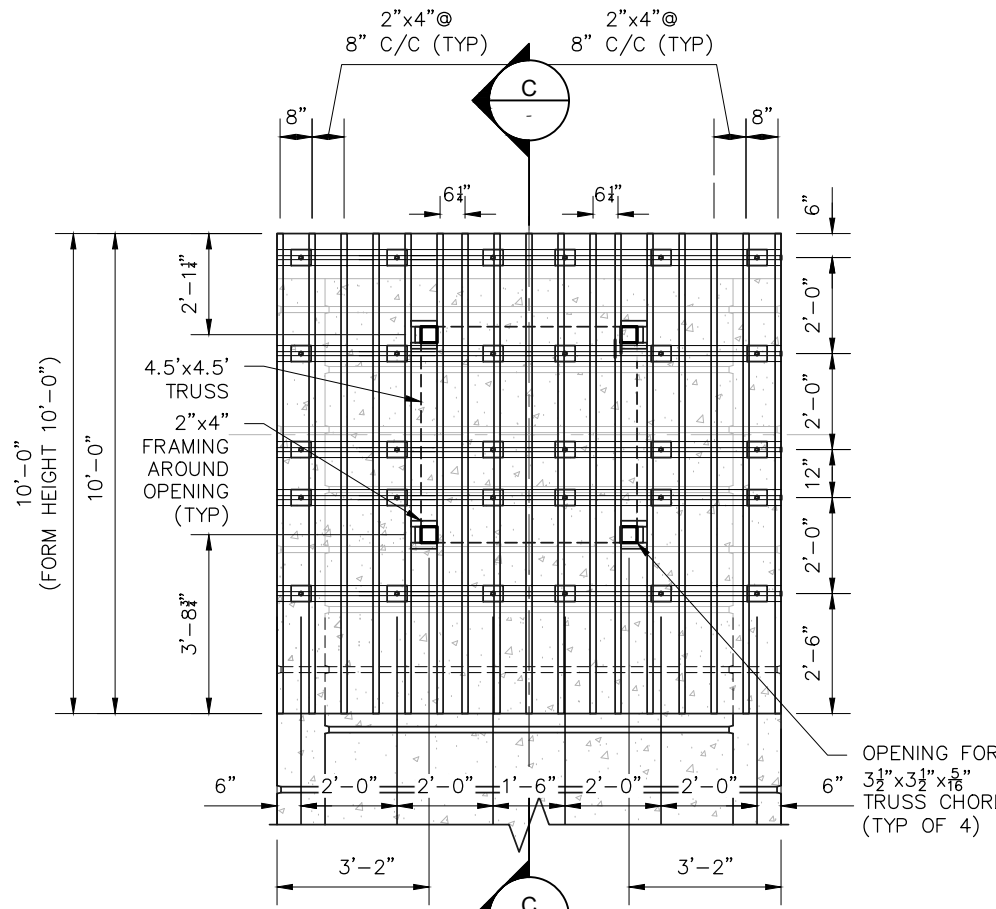
		1305 Peden Street Houston, Texas 77006 [p] (713) 526-3478 stivereng.com TX Registration No. F-190	
TEXAS STERLING CONSTRUCTION CO. SH99 CANTILEVER SIGN COLUMN CONCRETE FORMING PLAN			
DETAILS 1 - 4			
DATE: 07-11-23	PROJECT NO: 23112.1	SHEET 6 OF 8	
APPROVED BY: JMS	PRJ MGR: JK	DRAFTER MGR: MR	
SCALE: AS SHOWN	PRJ ENG: KK	DRAWN BY: BB	

PRELIMINARY-01

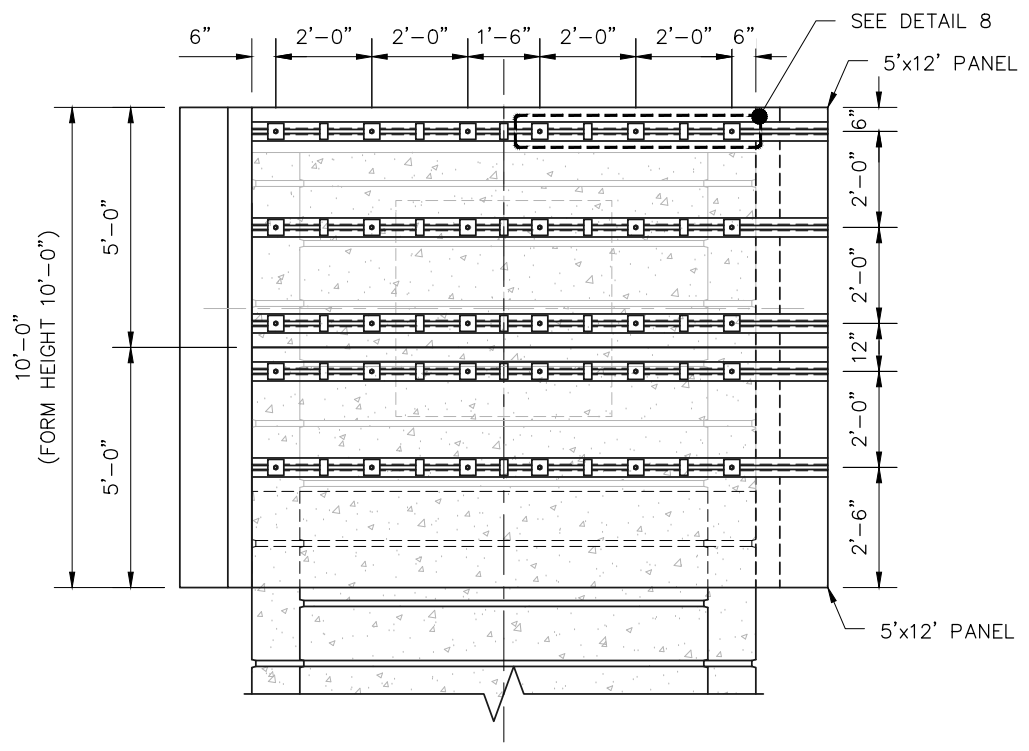
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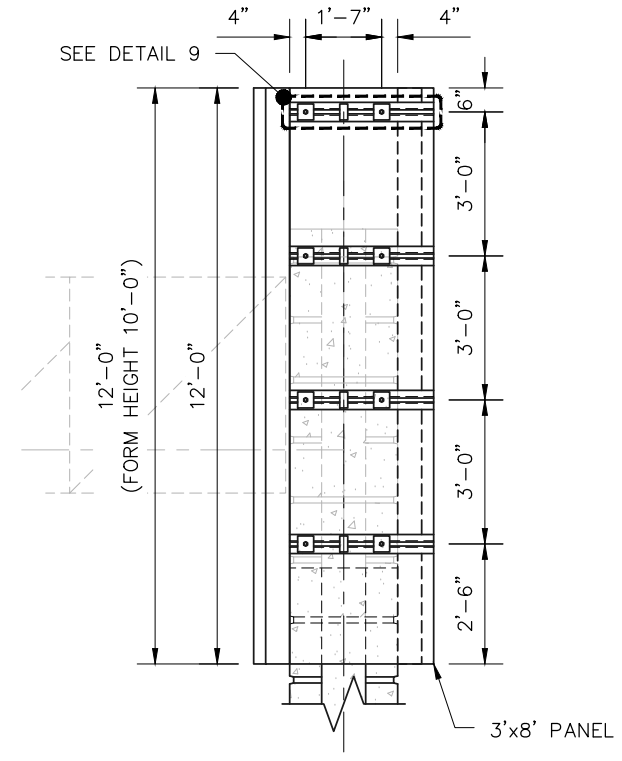
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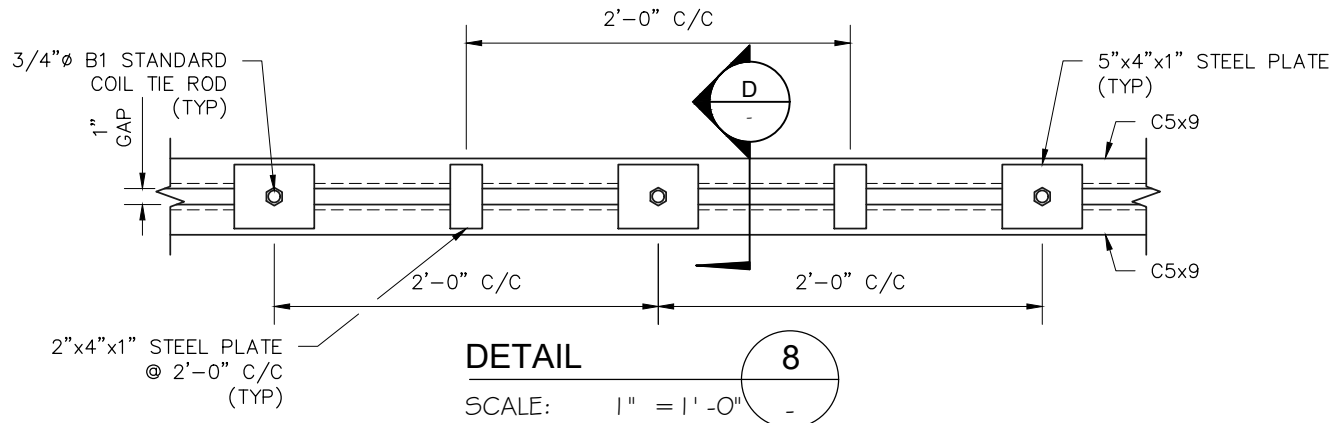
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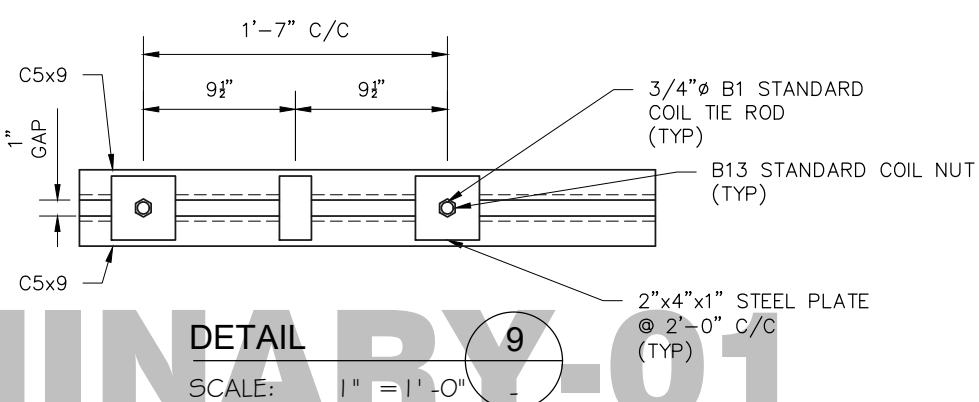
DETAIL 6
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DETAIL 7
SCALE: 1/4" = 1' - 0"



DETAIL 8
SCALE: 1" = 1' - 0"



DETAIL 9
SCALE: 1" = 1' - 0"

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STIVER ENGINEERING
1305 Peden Street
Houston, Texas 77006
[p] (713) 526-3478
stivereng.com
TX Registration No. F-190

TEXAS STERLING CONSTRUCTION CO.
SH99 CANTILEVER SIGN
COLUMN CONCRETE FORMING PLAN

DETAILS 5 - 9

DATE: 07-11-23	PROJECT NO: 23112.1	SHEET
APPROVED BY: JMS	PRJ MGR: JK	DRAFTER MGR: MR
SCALE: AS SHOWN	PRJ ENG: KK	DRAWN BY: BB

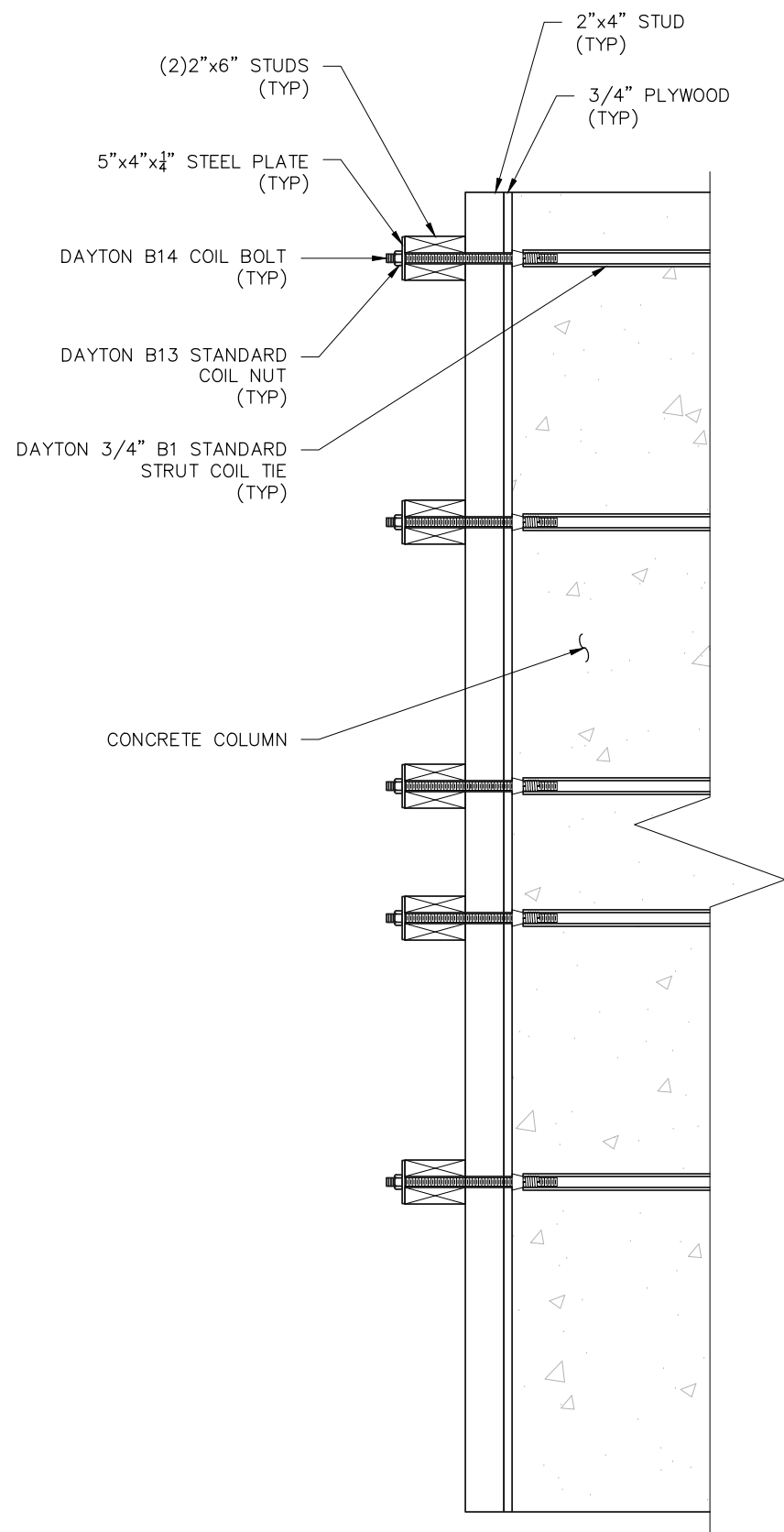
SHEET
7 OF 8

PRELIMINARY-01

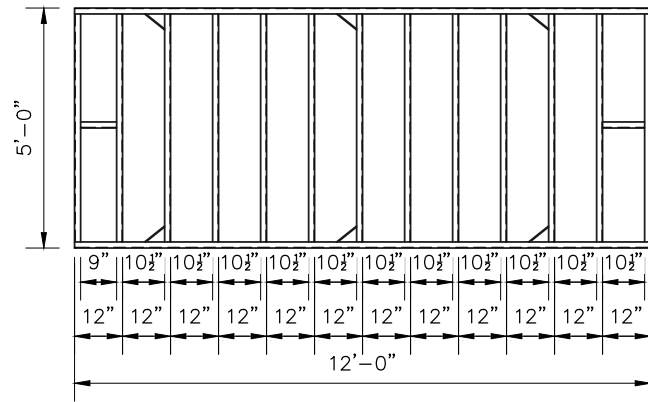
PLOTTED: Jul 13, 2023 - 7:32pm
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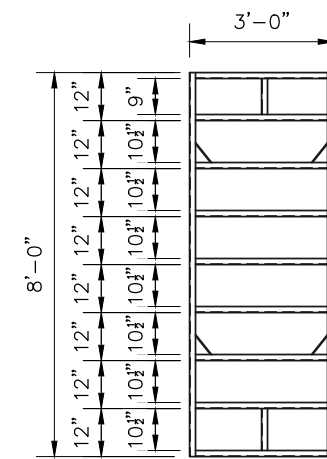
NO.	DATE	REVISION	APPROVED



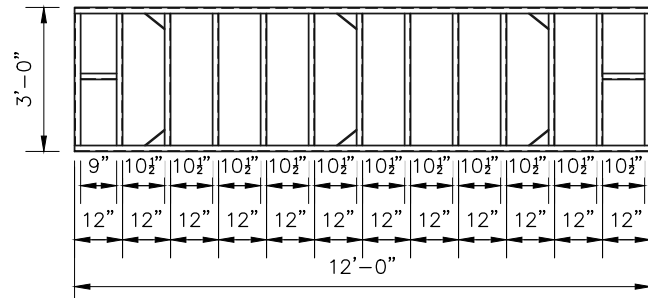
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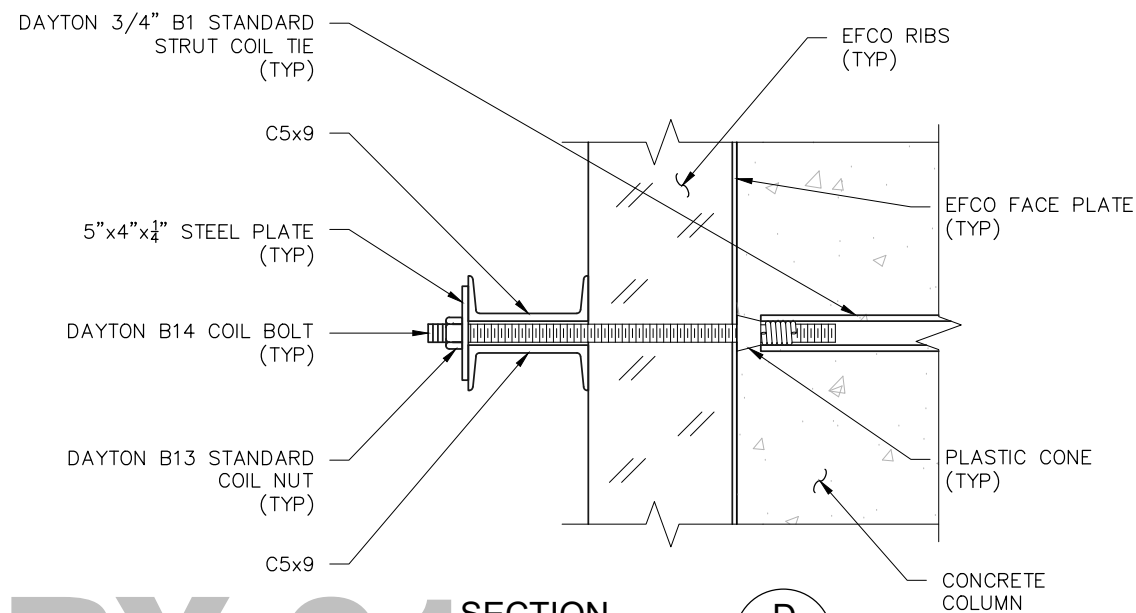
EFCO 12x5' METAL FORM
SCALE: 1/4" = 1' - 0"



EFCO 3'x8' METAL FORM
SCALE: 1/4" = 1' - 0"



EFCO 12'x3' METAL FORM
SCALE: 1/4" = 1' - 0"



SECTION D
SCALE: 1 - 1/2" = 1' - 0"

NOTES:

GENERAL:

- IF FIELD CONDITIONS ARE DIFFERENT THAN EXPECTED NOTIFY ENGINEER AS ADDITIONAL DESIGN MAY BE REQUIRED.

POUR NOTES:

- MAXIMUM LATERAL PRESSURE OF 1,200 PSF IS ALLOWABLE ON THE FORMWORK.

TIMBER NOTES:

- ALL TIMBERS NEED TO BE SOUTHERN PINE GRADE 2 OR HIGHER.
- TIMBER SHALL BE FIELD INSPECTED FOR STRUCTURAL DEFECTS, SUCH AS CHECKS, CRACKS AND KNOTS. MATERIAL WITH DEFECTS SHALL NOT BE USED.

COIL BOLT:

- COIL BOLT SHALL BE 3/4 INCH DAYTON B14 (SAFE WORKING LOAD OF 9,000 LBS IN TENSION).

COIL NUT:

- COIL NUT SHALL BE 3/4 INCH DAYTON B13 (SAFE WORKING LOAD OF 9,000 LBS IN TENSION).

COIL TIE:

- COIL TIE SHALL BE 3/4 INCH DAYTON B1 (SAFE WORKING LOAD OF 6,750 LBS IN TENSION).

STEEL:

ALL STEEL PLATES AND MEMBERS SHALL BE ASTM A36 GRADE 36.

FOR INTERIM
THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF JOHN M. STIVER 105179 (TEXAS) 07/13/23
THIS DOCUMENT IS NOT INTENDED FOR BIDDING, PERMITTING AND/OR CONSTRUCTION PURPOSES
REVIEW ONLY

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TX Registration No. F-190

TEXAS STERLING CONSTRUCTION CO.
SH99 CANTILEVER SIGN
COLUMN CONCRETE FORMING PLAN
SECTION C, SECTION D, 12'x5' METAL FORM,
12'x3' METAL FORM AND 3'x8' METAL FORM
AND GENERAL NOTES

DATE: 07-11-23	PROJECT NO: 23112.1	SHEET
APPROVED BY: JMS	PRJ MGR: JK	DRAFTER MGR: MR
SCALE: AS SHOWN	PRJ ENG: KK	DRAWN BY: BB

PLOTTED: Jul 13, 2023 - 7:32pm
F:\SEA\PROJECTS\2023 Projects\23112.1-Texas Sterling-Aleash-Timor-Sh99 Cantilever Sign-Column Concrete Forming Plan.dwg ben.b

PRELIMINARY-01