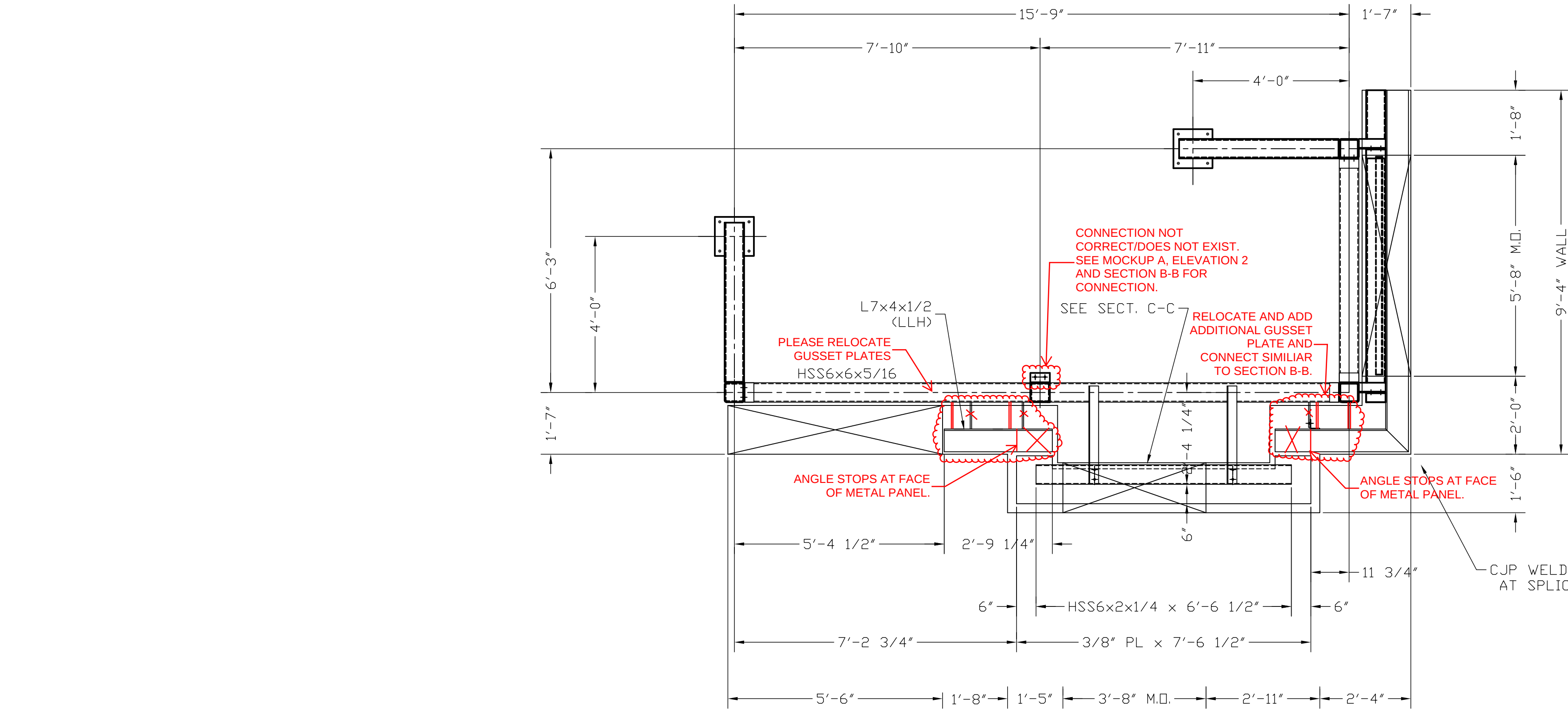
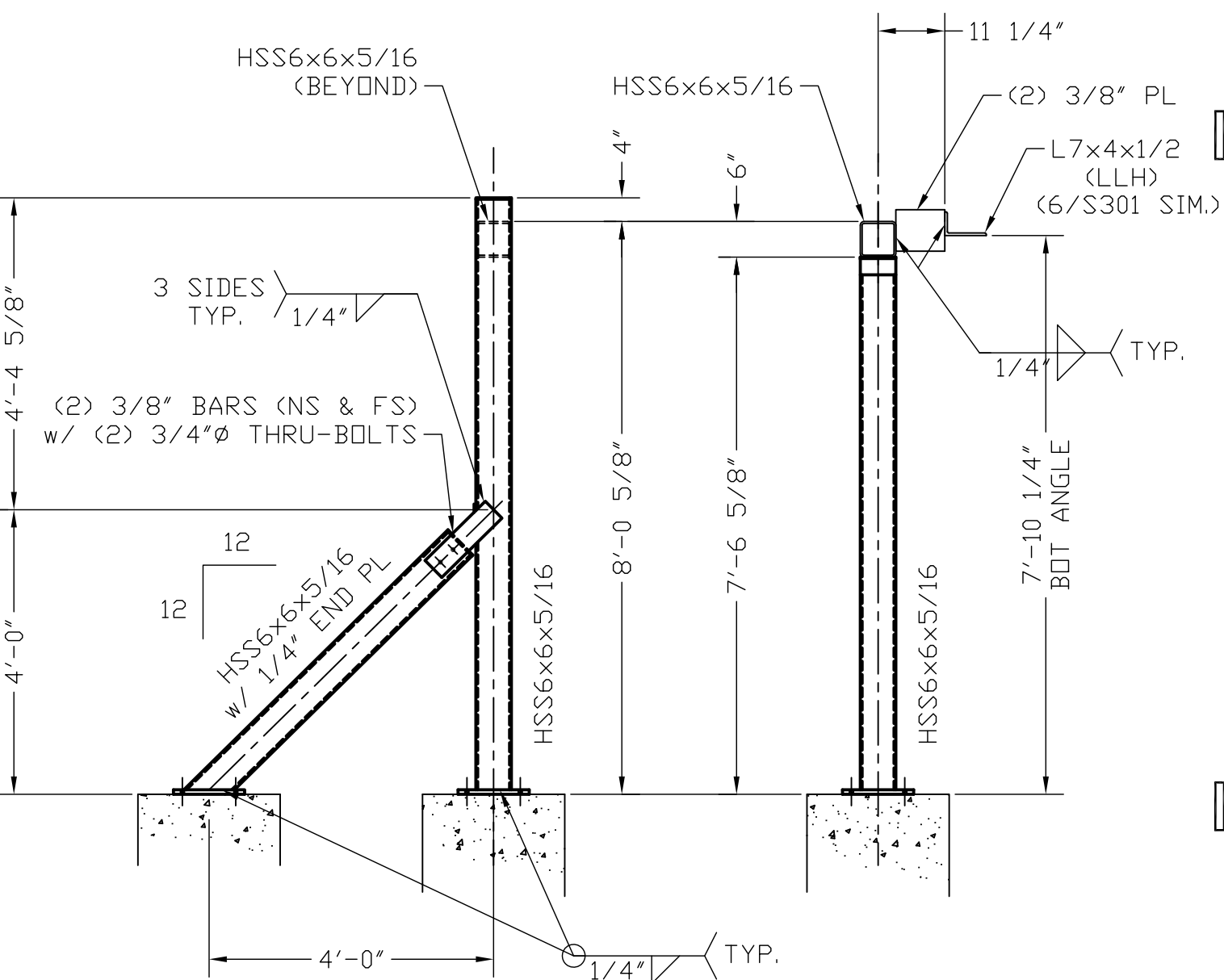


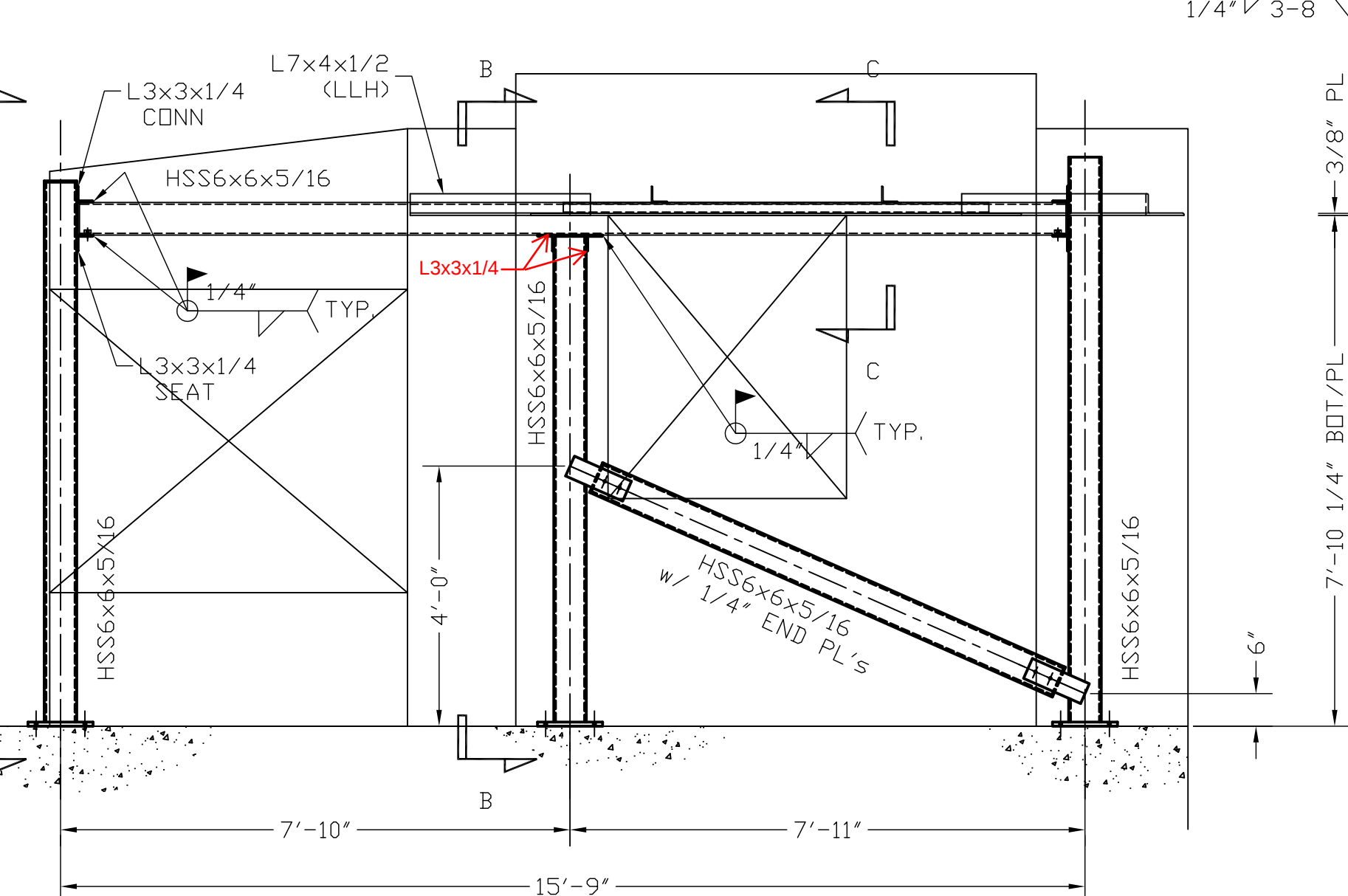


PLAN VIEW



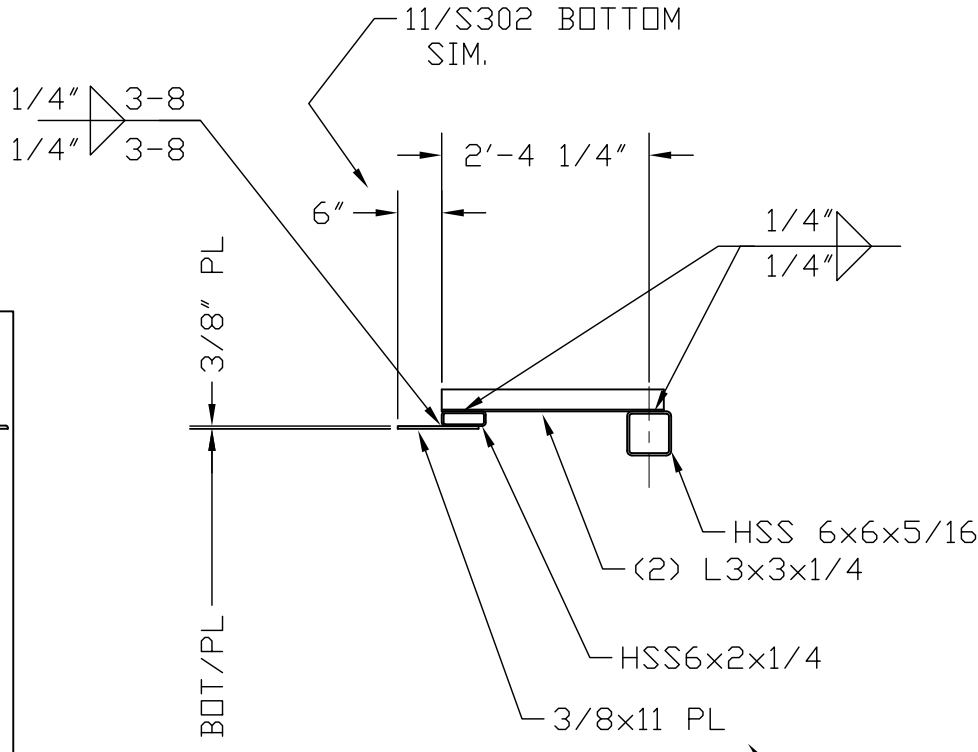
SECTION A-A

SECTION B-B



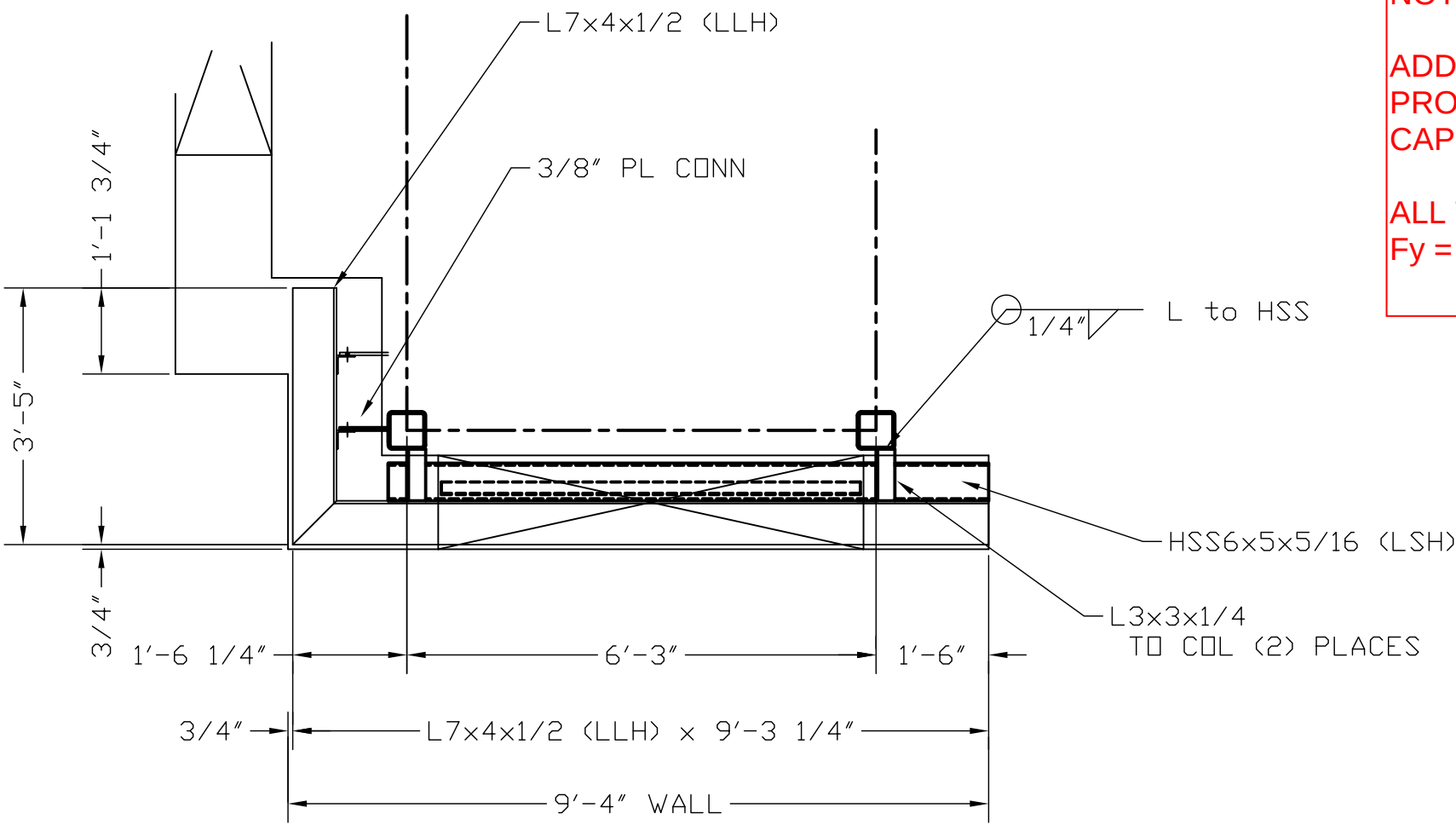
MOCKUP A, ELEVATION 2 (2/A0490)

SECTION C-C

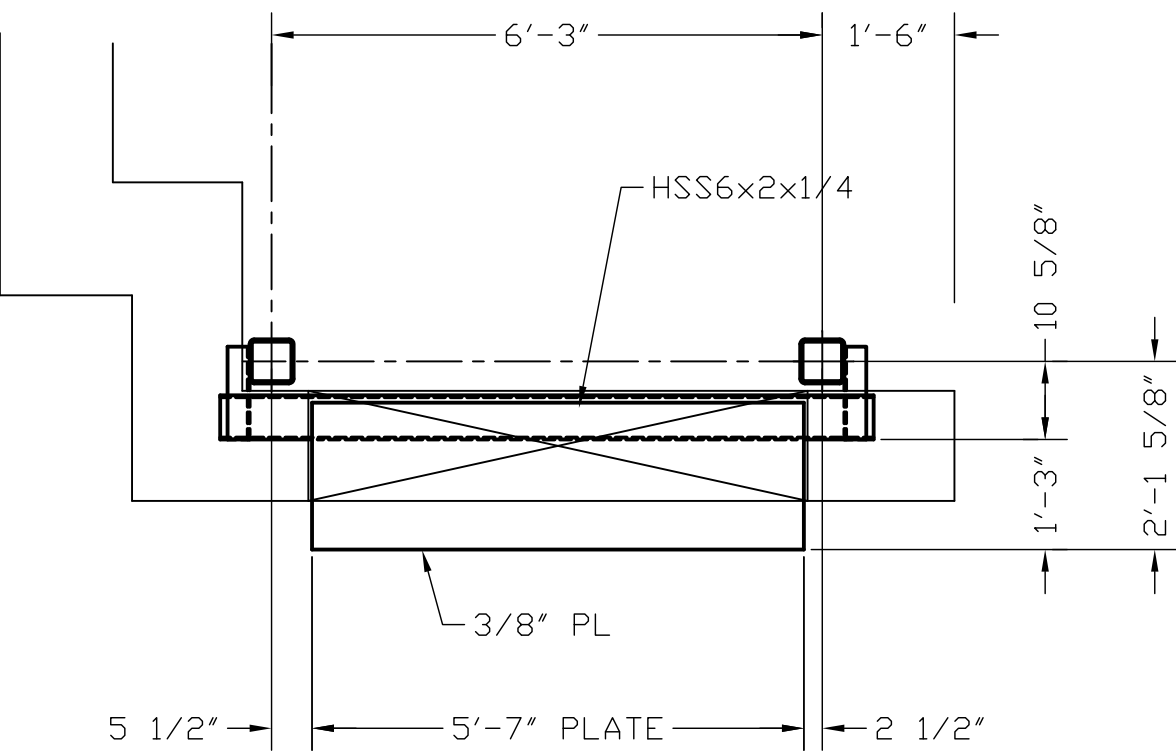


APPROVER!
~ PLEASE VERIFY 3/8" PL
SHELF L's ARE 1/2" D

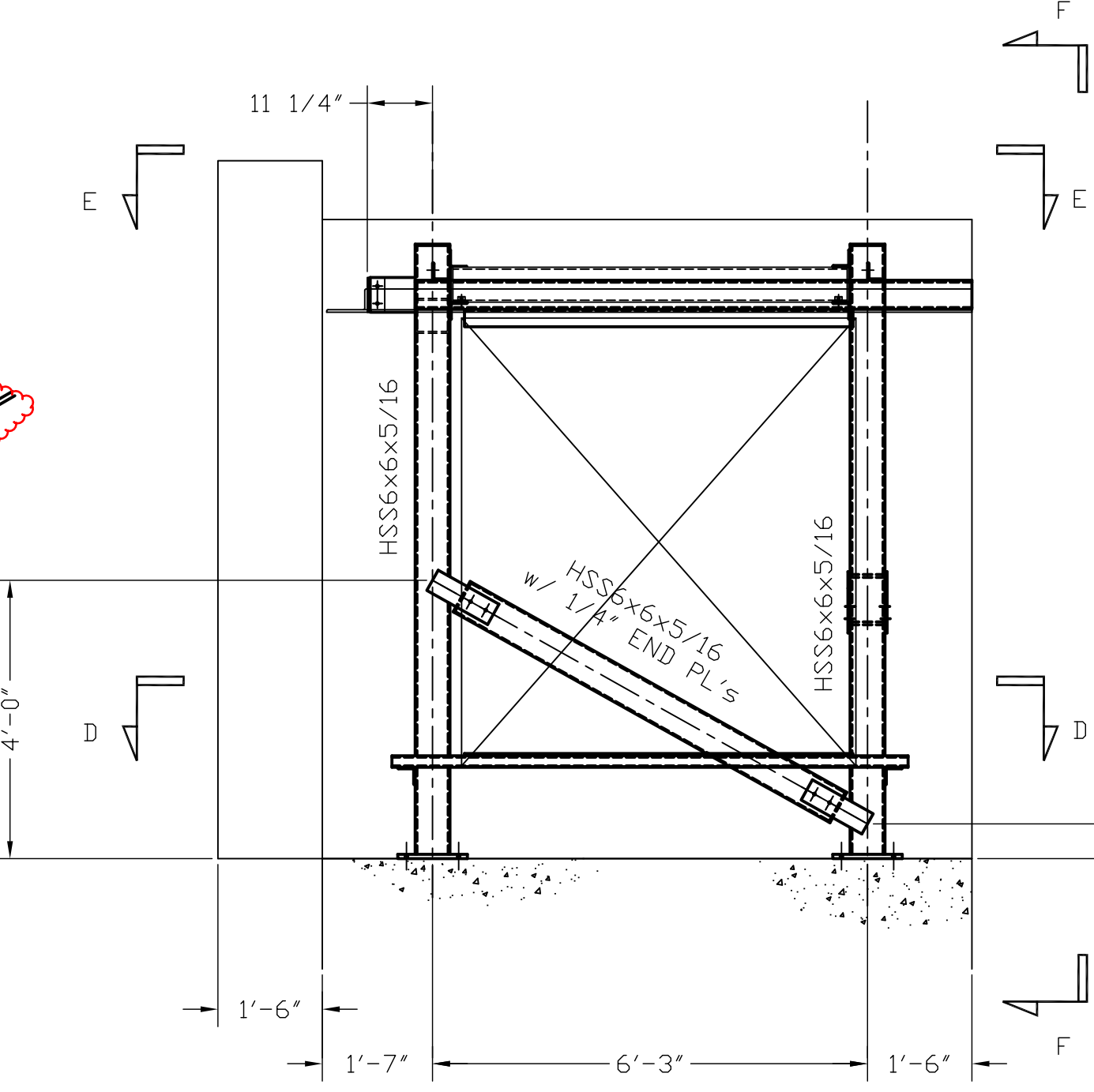
CORRECT



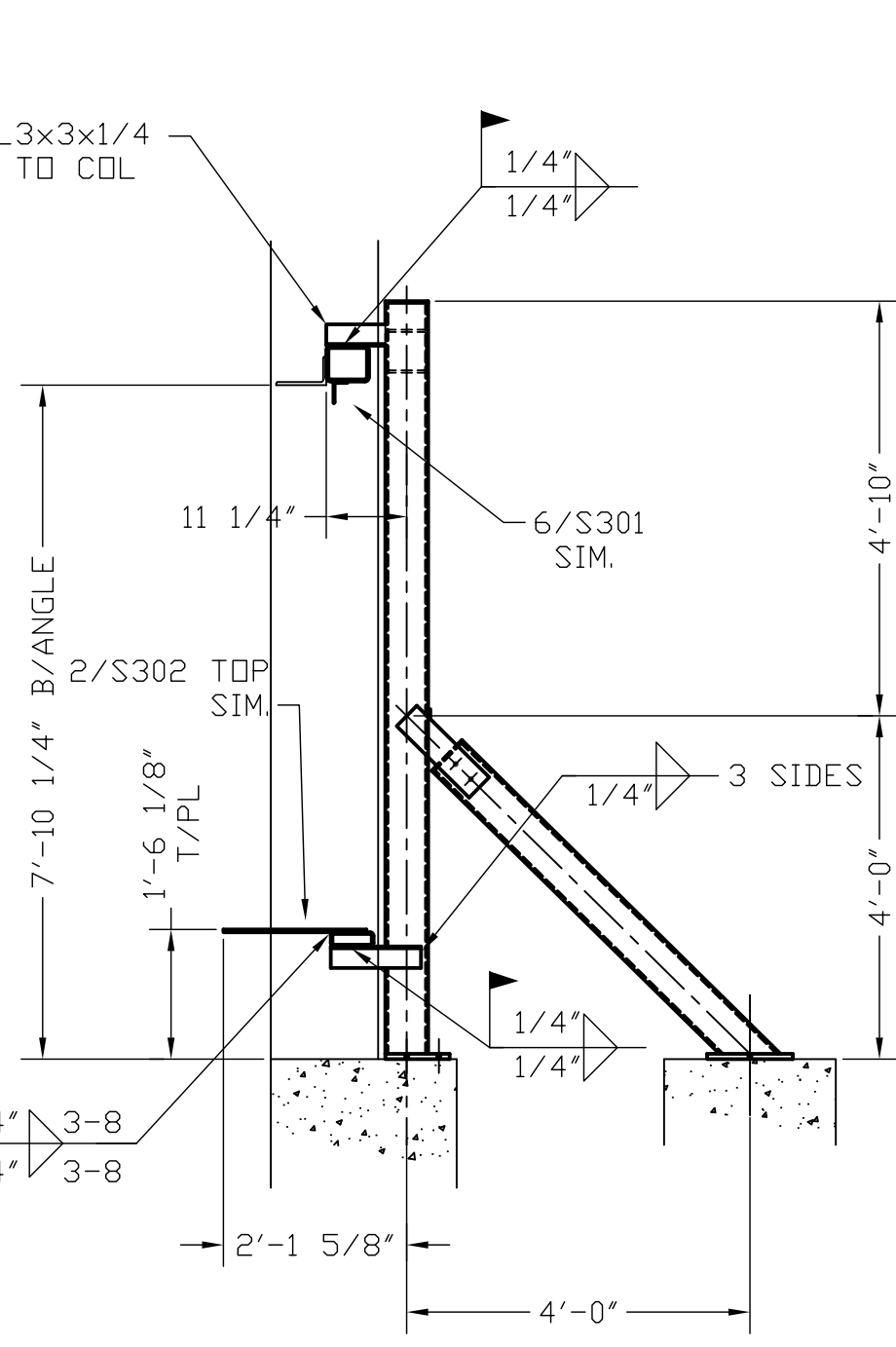
PLAN AT E-E



PLAN AT D-D



MOCKUP A, ELEVATION 1 (3/A0490)



SECTION F-F

NOTE:
ADD 1/4" CAP PLATE TO ALL TUBES,
PROVIDE 1/4" WELD ALL AROUND AT
CAP PLATE

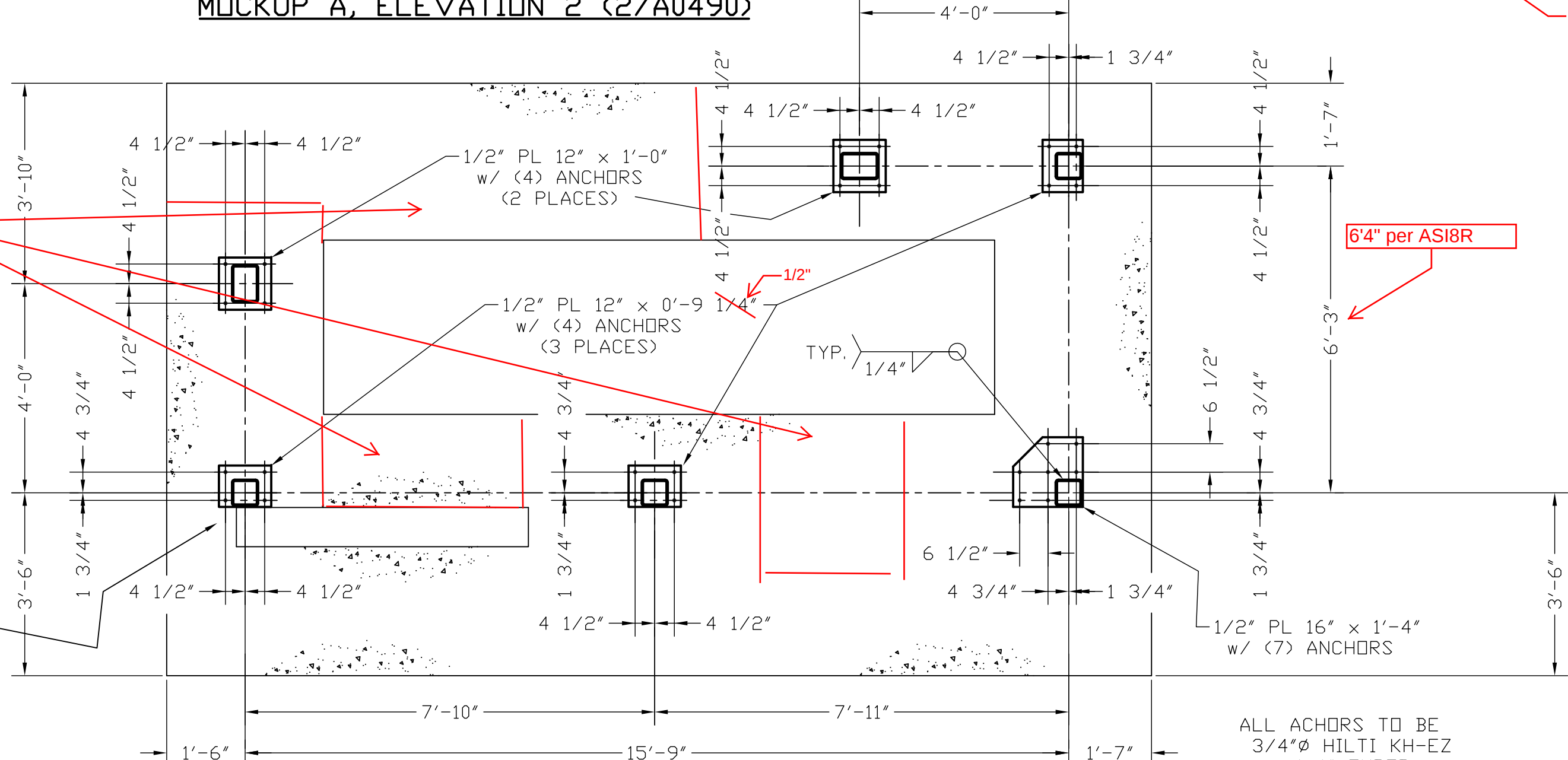
ALL TUBE STEEL TO BE A500 GRADE B
Fy= 46 KSI

Paric 8/1/16 - Foundation limits have been revised per ASI#8R. Paric will field coordinate the location of steel column placement on foundation. Steel frame configuration remains as originally planned and does not need to be revised on this drawing.
Design Team - please review steel configuration/dimensions

APPROVER!
~ PLEASE VERIFY ANCHOR
EDGE DISTANCE TO CONC
AT THIS COLUMN (1 5/8"?)

Paric 8/1/16 - This is a concrete curb placed onto the strip footing so edge distance should not be an issue. Design team please verify

CORRECT



ANCHOR PLAN

ALL ACHORS TO BE
3/4"Ø HILTI KH-EZ
w/ 4" EMBED

FOR
APPROVAL

Sequence:	-	Ref. E-Plans:	-
Material:	ASTM A-36 U.N.O.	Edge Dist.:	1 1/4" U.N.O.
Holes:	13/16"Ø UND	Bolts:	A325 UND
Cleaning:	SSPC-SP2 & 3		
Paint:	SHOP PRIME GREY, 1.5 MILS DFT		

ATLAS IRON WORKS ST. LOUIS, MO.	
Project:	WEBSTER ISB - MOCKUP A'
Customer:	PARIC CDRP
Owner:	WEBSTER UNIVERSITY
Location:	ST. LOUIS, MO
Dwn:	DC
Date:	6/16/16
Ckd:	
Date:	
Job No.	A16013-MU
BAT:	
DWG#:	MUA-E1

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

PROJECT NAME	
ADDRESS	
NUMBER	
OWNER	
ARCHITECT / ENGINEER	
SUBMITTED BY	
CONTRACTOR / CM SUBMITTAL NO.	CANNON DESIGN SUBMITTAL NO.
DRAWING / DETAIL REFERENCE	SPECIFICATION SECTION / PARAGRAPH
MANUFACTURER / SUPPLIER	ITEM / PRODUCT ID
REQUIRED DATE	PRIORITY
CRITICALITY	

To be completed by Reviewer

CANNON DESIGN SUBMITTAL NUMBER
RECEIVED DATE

- ☐ **A. No Exceptions Taken**
No further review of submittal is required.
- ☐ **B. Make Corrections Noted**
Incorporate corrections in work;
resubmission is not required.
- ☐ **C. Revise and Resubmit**
Revise as noted, and resubmit for review.
- ☐ **D. Rejected**
Submittal is not in compliance with Contract Documents;
provide new submittal.
- ☐ **E. For Record / Information Only**
Submittal was reviewed for Record / Information
purposes only.
- ☐ **F. Not Required for Review**
Submittal is not required by Contract Documents
and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

ITEM BEING SUBMITTED (check only one)

- ☐ Shop Drawings ☐ Certification / Qualifications ☐ Coordination Drawing
☐ Samples ☐ Record Documents ☐ Calculations
 (_____ copies) ☐ Product Data ☐ Schedules
☐ LEED Submittal ☐ O&M Manuals
☐ Other

ITEM BEING SUBMITTED FOR (check only one)

- ☐ Action ☐ Information Only ☐ Record

REMARKS OR DEVIATIONS

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)



PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

Ry:

By:
Devin D. Gates

REVIEWED BY	DATE

A/E COMMENTS

- ☐
- See attached sheet(s) for additional comments

REVIEWED BY	DATE



77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0165

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 08/01/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Structural Steel Mockup Shop Drawings
REV2

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:		SUBMITTED FOR:	ACTION TAKEN:
☒ Shop Drawings		☒ Approval	☐ Approved as Submitted
☐ Letter		☐ Your Use	☐ Approved as Noted
☐ Prints		☐ As Requested	☐ Returned After Loan
☐ Change Order		☐ Review and Comment	☐ Resubmit
☐ Plans			☐ Submit
☐ Samples		SENT VIA:	☐ Returned
☐ Specifications			☐ Returned for Corrections
☐ Other:			☐ Due Date:

<i>Item</i>	<i>Package</i>	<i>Code</i>	<i>Rev.</i>	<i>Copies</i>	<i>Date</i>	<i>Description</i>	<i>Status</i>
Submittal		051200-018	3		08/01/2016	Structural Steel Mockup Shop Drawings REV2	Rejected

NOTES:

CC:

Signed: _____
Devin Gates

SEE ANCHOR PLAN BELOW

PROVIDE DETAILS OF ANCHOR BOLTS, INCLUDING SIZE, EMBEDMENT AND LAYOUT FOR TEMPLATE. TYPICAL. JYW/DMA

EXTEND L7X4X1/2 TO EDGE OF 3/8" PLATE
ADD ADDITIONAL 3/8" GUSSET AT END OF ANGLE.

SEE SECT. C-C
SEE NOTE ON MOCKUP A
ELEVATION 2 FOR VERTICAL
TUBE CONNECTION.

APPROVER NOTE:
THIS ENTIRE LAYOUT IS PREDICATED
ON THE CONCEPT THAT THE WALLS
AND FOUNDATIONS MATCH AT THIS
CORNER (PER 1/A0452)

PLAN VIEW

ATTACH VERTICAL
HSS6X5/16 TO HORIZONTAL
HSS6X5/16 WITH (2) L3X3/4
WITH 1/4" FILLET WELD
SIMILAR TO THE LEFT DETAIL

SECTION C-C

HSS6X5/16 CONNECT
TO EACH VERTICAL
TUBE SIMILAR TO
SECTION A-A.

MOCKUP A, ELEVATION 2 (2/A0490)

1/2" PL 12" x 1'-0"
W/ (4) 3/4" HILTI KH-EZ
SCREW ANCHORS W/ 4"
EMBED (2 PLACES)

1/2" PL (SIZE VARIES)
W/ (4) ANCHORS
(4 PLACES)

1/2" PL 12" x 0'-9 1/2" W/ (4)
3/4" HILTI KH-EZ SCREW
ANCHORS W/ 4" EMBED
(3 PLACES)

APPROVER:
~ PLEASE VERIFY DETAILS
~ PLEASE ADVISE ANCHOR DETAILS
~ PLEASE VERIFY ANCHOR DETAILS

FOR
APPROVAL

NOTE:

ADD 1/4" CAP PLATE TO ALL
TUBES, PROVIDE 1/4" WELD ALL
AROUND AT CAP PLATE

ALL TUBE STEEL TO BE A500
GRADE B Fy = 46 KSI

PLAN AT E-E

PLAN AT D-D

SECTION C-C

MOCKUP A, ELEVATION 1 (3/A0490)

SECTION F-F

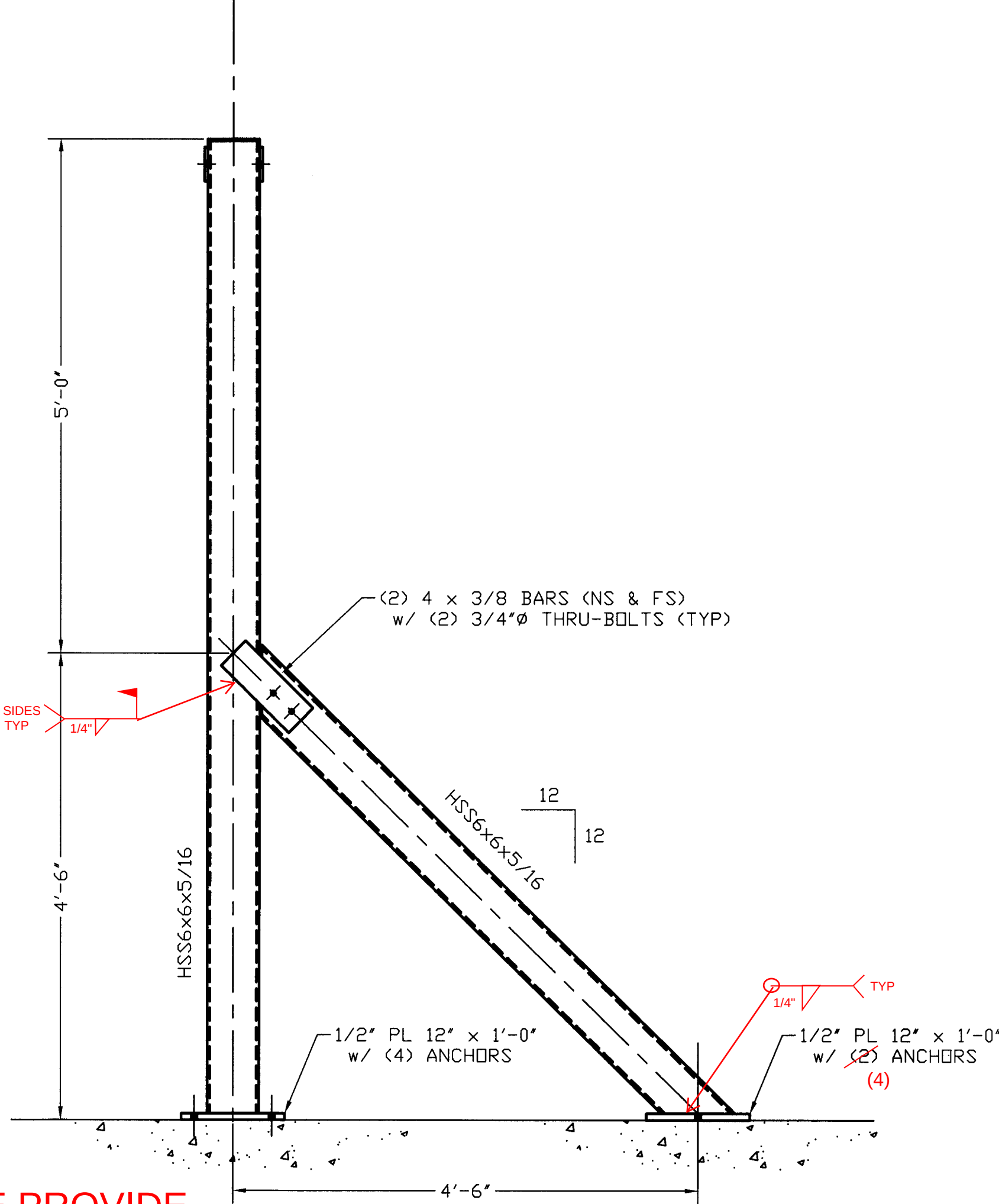
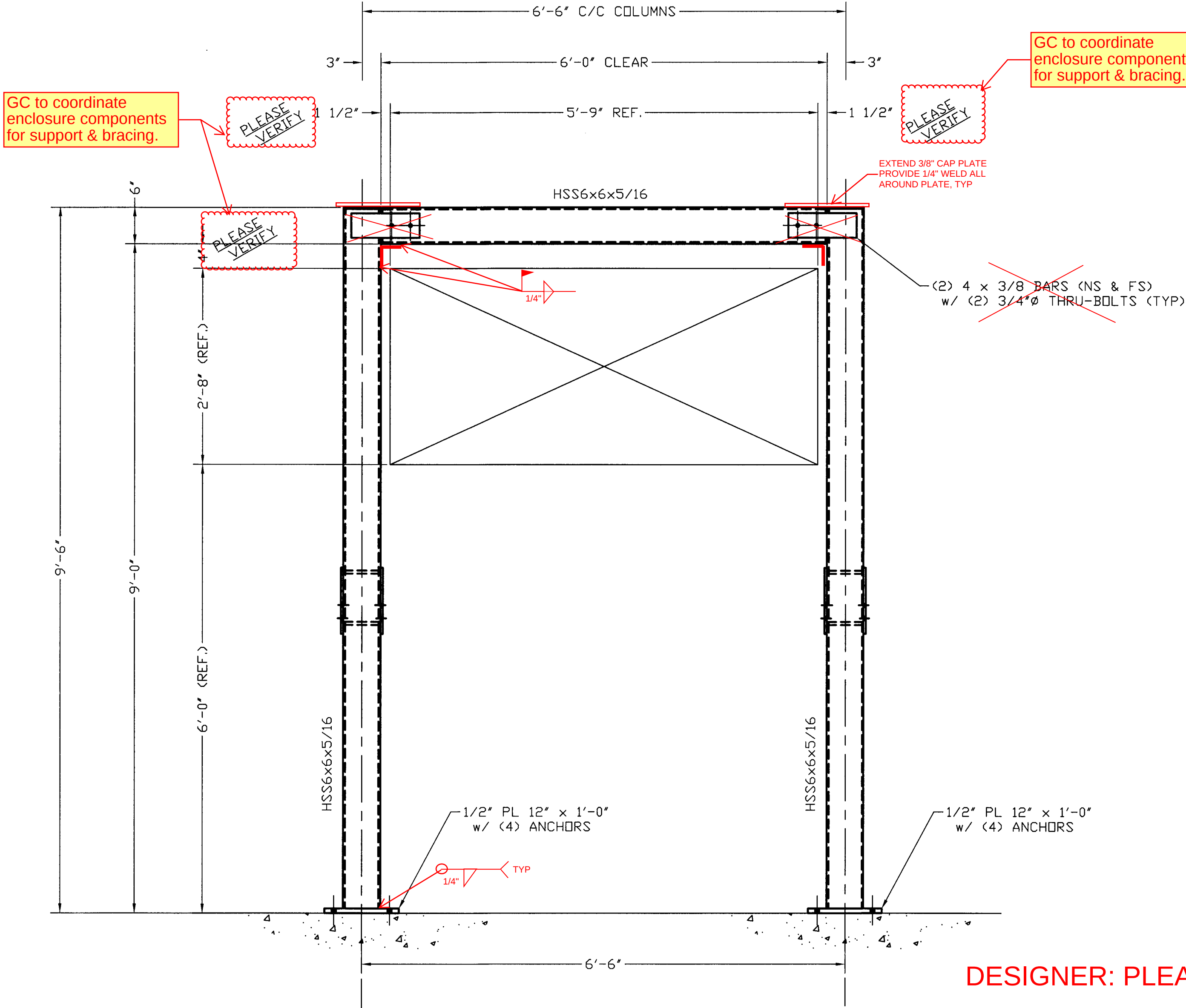
PRIME PAINTED IS ACCEPTABLE
PER KELVIN PATEL

DESIGNER: PLEASE
PROVIDE DETAIL
FOR ANCHORING
STEEL

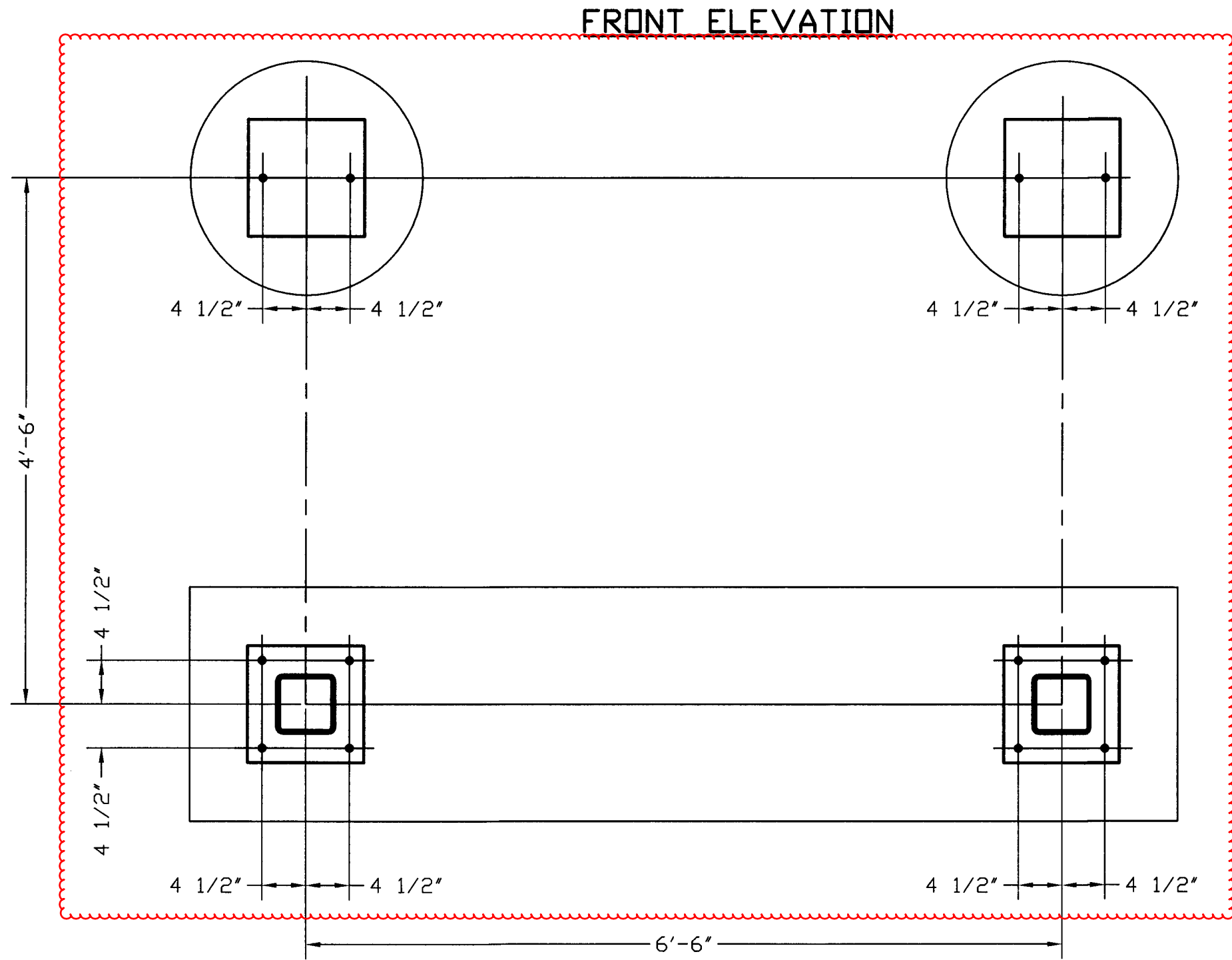
ANCHOR PLAN

ATLAS IRON WORKS ST. LOUIS, MO.			
Sequence: -	Ref. E-Plans: -	Project: WEBSTER ISB - MOCKUP A'	
Material: ASTM A-36 U.N.O.	Edge Dist.: 1 1/4" U.N.O.	Customer: PARIC CORP	
Holes: 13/16" Ø UND	Bolts: NOTED A325 U.N.O.	Owner: WEBSTER UNIVERSITY	
Cleaning: ADVISE		Location: ST. LOUIS, MO	
Paint: ADVISE		Dwn: DC Date: 6/16/16 Ckd: Date:	
		Job No. A16013-MU BAT: DWG#: MUA-E1	

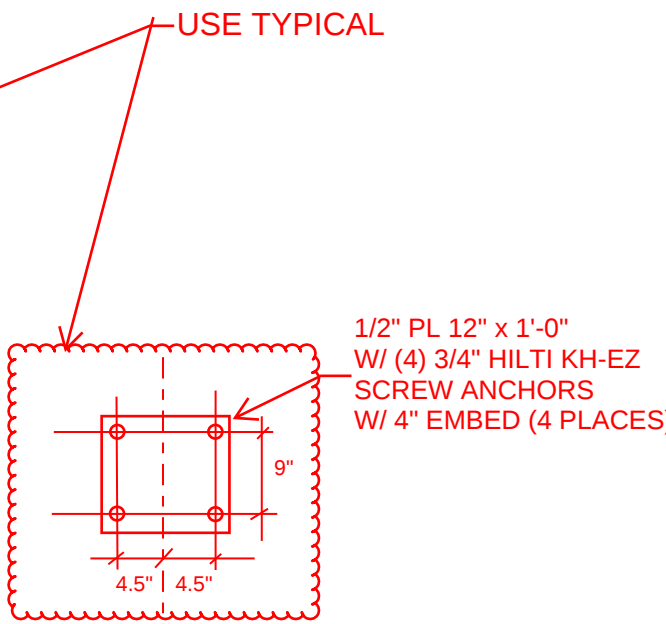
NOTE:
ADD 1/4" CAP PLATE TO ALL TUBES, PROVIDE 1/4"WELD ALL AROUND AT CAP PLATE.
ALL TUBE STEEL TO BE A500 GRADE B Fy = 46 KSI



DESIGNER: PLEASE PROVIDE



ANCHOR REQUIREMENTS



SIDE ELEVATION

APPROVER: ~ PLEASE VERIFY DETAILS ~ PLEASE ADVISE ANCHOR DETAILS ~ PLEASE VERIFY GALVANIZED?

PRIME PAINTED STEEL
ACCEPTABLE PER KELVIN PATEL

FOR APPROVAL

ATLAS IRON WORKS ST. LOUIS, MO.			
Sequence: -	Ref. E-Plans: -	Project: WEBSTER ISB - MOCKUP 'B'	
Material: ASTM A-36 U.N.O.	Edge Dist.: 1 1/4" U.N.O.	Customer: PARIC CORP	
Holes: 13/16" Ø UNO	Bolts: NOTED	Owner: WEBSTER UNIVERSITY	
Cleaning: ADVISE	A325 U.N.O.	Location: ST. LOUIS, MO	
Paint: ADVISE		Dwn: DC Date: 6/16/16 Ckd: Date:	
		Job No. A16013-MU BAT: DWG#: MUB-E1	

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

PROJECT NAME	
ADDRESS	
NUMBER	
OWNER	
ARCHITECT / ENGINEER	
SUBMITTED BY	
CONTRACTOR / CM SUBMITTAL NO.	CANNON DESIGN SUBMITTAL NO.
DRAWING / DETAIL REFERENCE	SPECIFICATION SECTION / PARAGRAPH
MANUFACTURER / SUPPLIER	ITEM / PRODUCT ID
REQUIRED DATE	PRIORITY
CRITICALITY	

To be completed by Reviewer

CANNON DESIGN SUBMITTAL NUMBER
RECEIVED DATE

- ☐ **A. No Exceptions Taken**
No further review of submittal is required.
- ☐ **B. Make Corrections Noted**
Incorporate corrections in work;
resubmission is not required.
- ☐ **C. Revise and Resubmit**
Revise as noted, and resubmit for review.
- ☐ **D. Rejected**
Submittal is not in compliance with Contract Documents;
provide new submittal.
- ☐ **E. For Record / Information Only**
Submittal was reviewed for Record / Information
purposes only.
- ☐ **F. Not Required for Review**
Submittal is not required by Contract Documents
and has not been reviewed.

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ITEM BEING SUBMITTED (check only one)

- ☐ Shop Drawings ☐ Certification / Qualifications ☐ Coordination Drawing
☐ Samples ☐ Record Documents ☐ Calculations
 (_____ copies) ☐ Product Data ☐ Schedules
☐ LEED Submittal ☐ O&M Manuals
☐ Other _____

ITEM BEING SUBMITTED FOR (check only one)

- ☐ Action ☐ Information Only ☐ Record

REMARKS OR DEVIATIONS

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)

PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

Ry:

Devin D. Gates

REVIEWED BY	DATE

A/E COMMENTS

- ☐
- See attached sheet(s) for additional comments

REVIEWED BY	DATE



77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0090

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 06/17/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Structural Steel Mockup Shop Drawings

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☒ Shop Drawings	☒ Approval	☒ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	SENT VIA:	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☐ Other:	☐ Separate Cover Via:	☐ Due Date:

Item	Package	Code	Rev.	Copies	Date	Description	Status
Submittal		051200-018	1		06/17/2016	Structural Steel Mockup Shop Drawings	Submitted

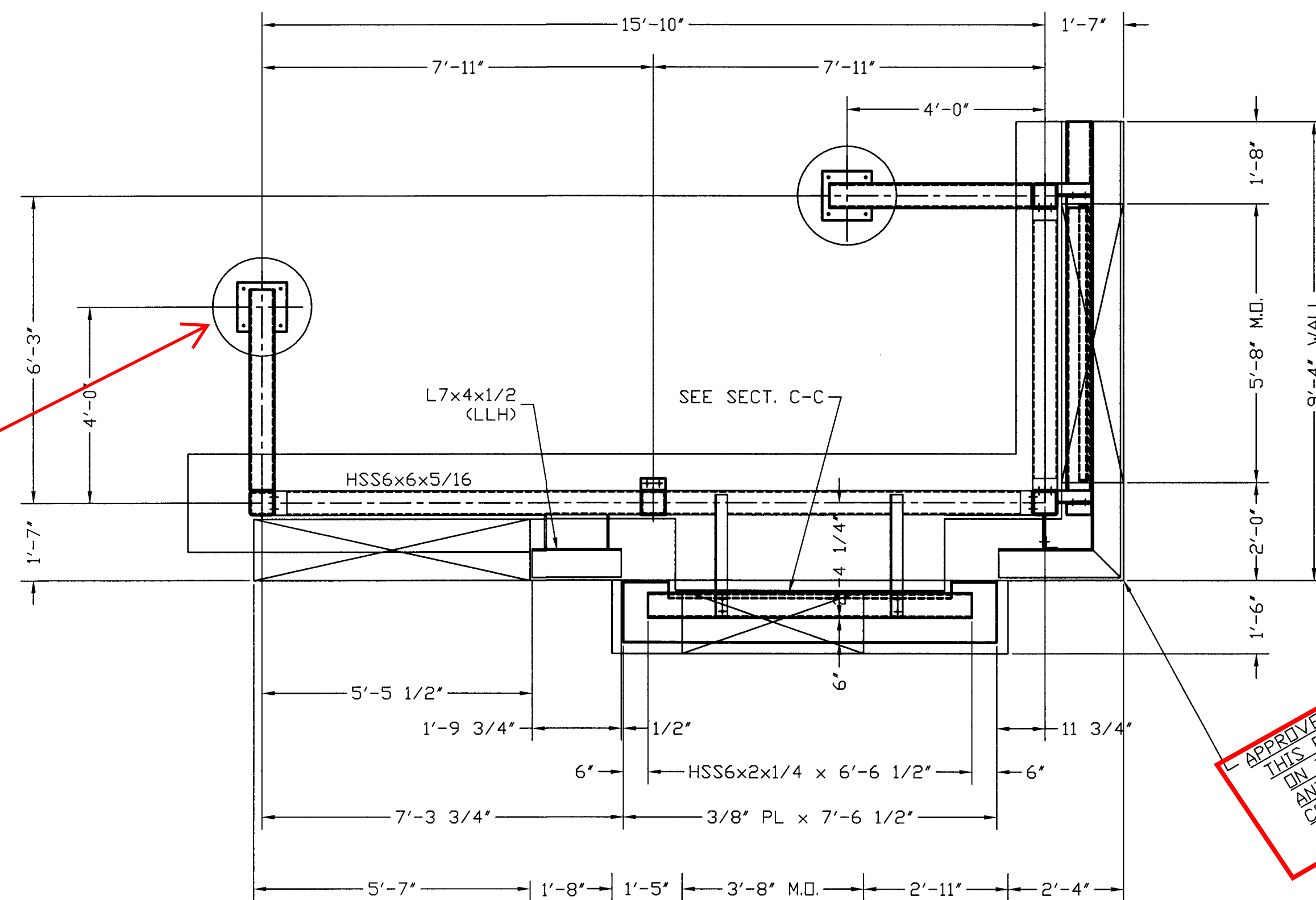
NOTES:

CC: Paric Corporation, Kathy Bathe

Project Coordinator: Paric Corporation, Kathy Bathe

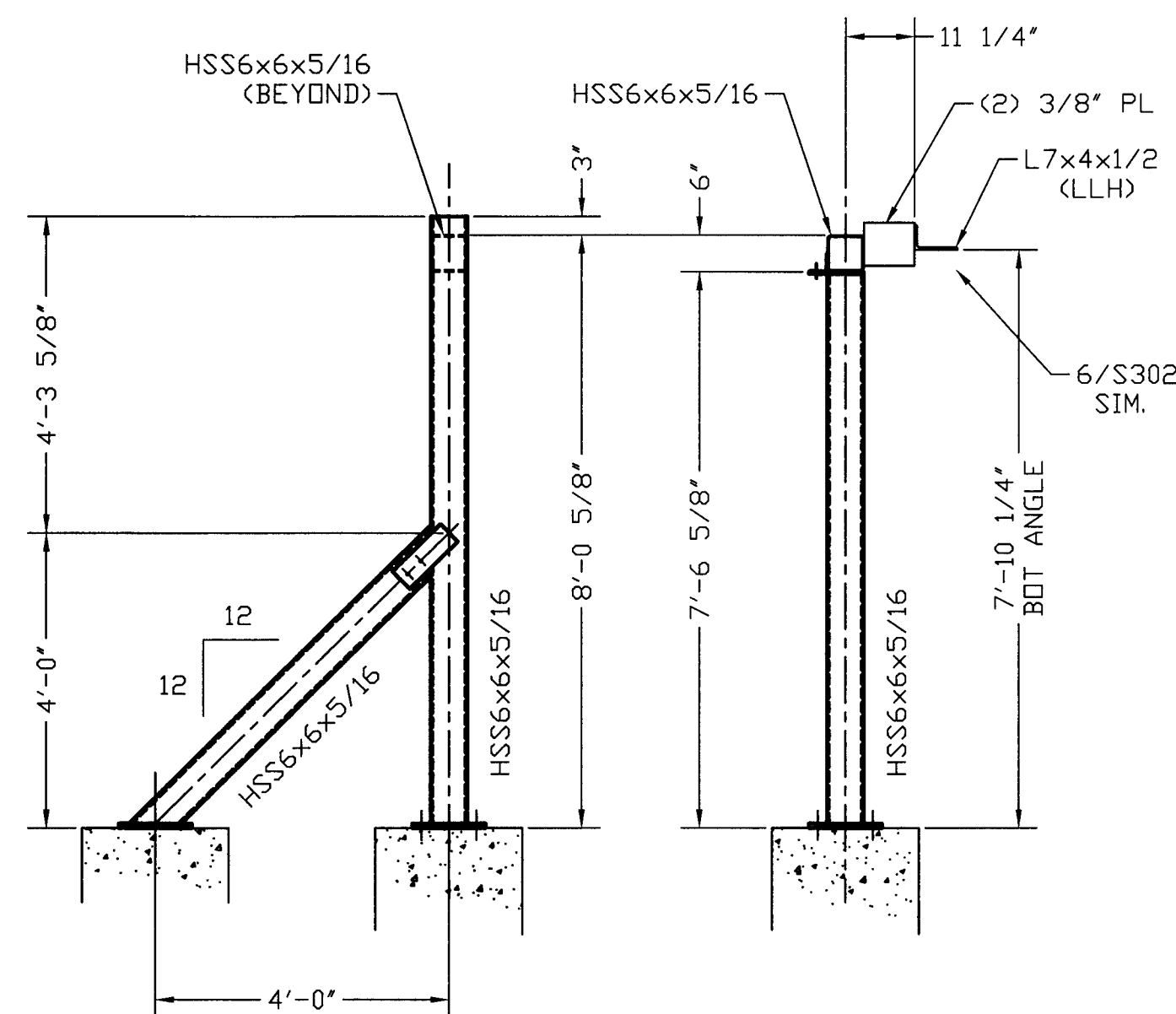
Signed: _____
Devin Gates

PROVIDE DETAILS OF ANCHOR BOLTS, INCLUDING SIZE, EMBEDMENT AND LAYOUT FOR TEMPLATE. TYPICAL. JYW/DMA



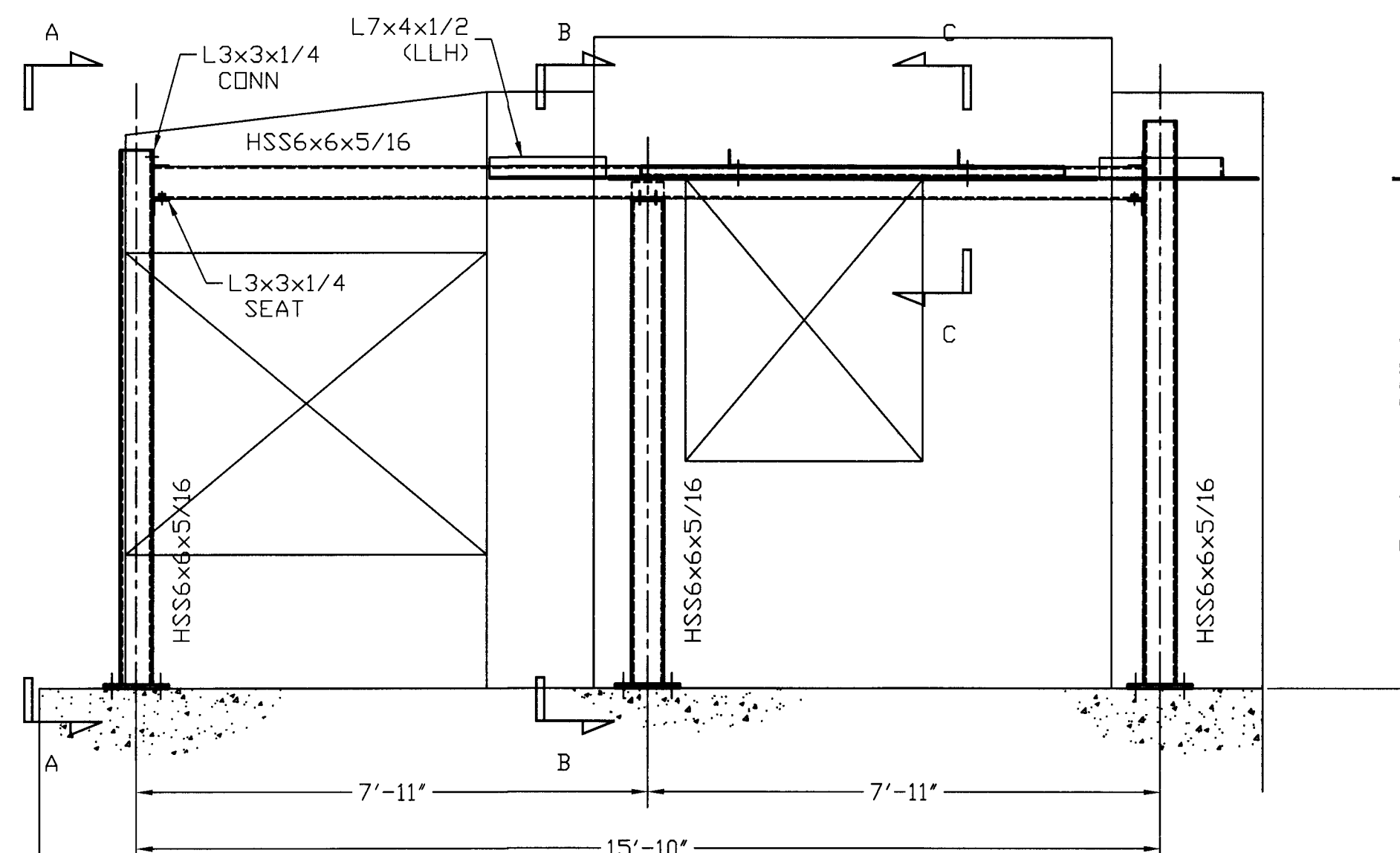
PLAN VIEW

APPROVER NOTE:
THIS ENTIRE LAYOUT IS PREDICATED
ON THE CONCEPT THAT THE WALLS
AND FOUNDATIONS MATCH AT THIS
CORNER (PER 1/A0452)

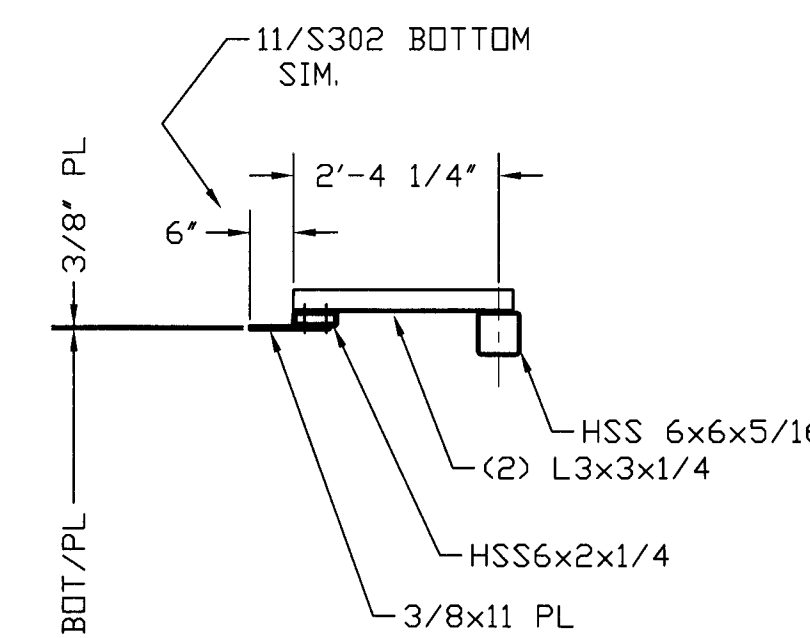


SECTION A-A

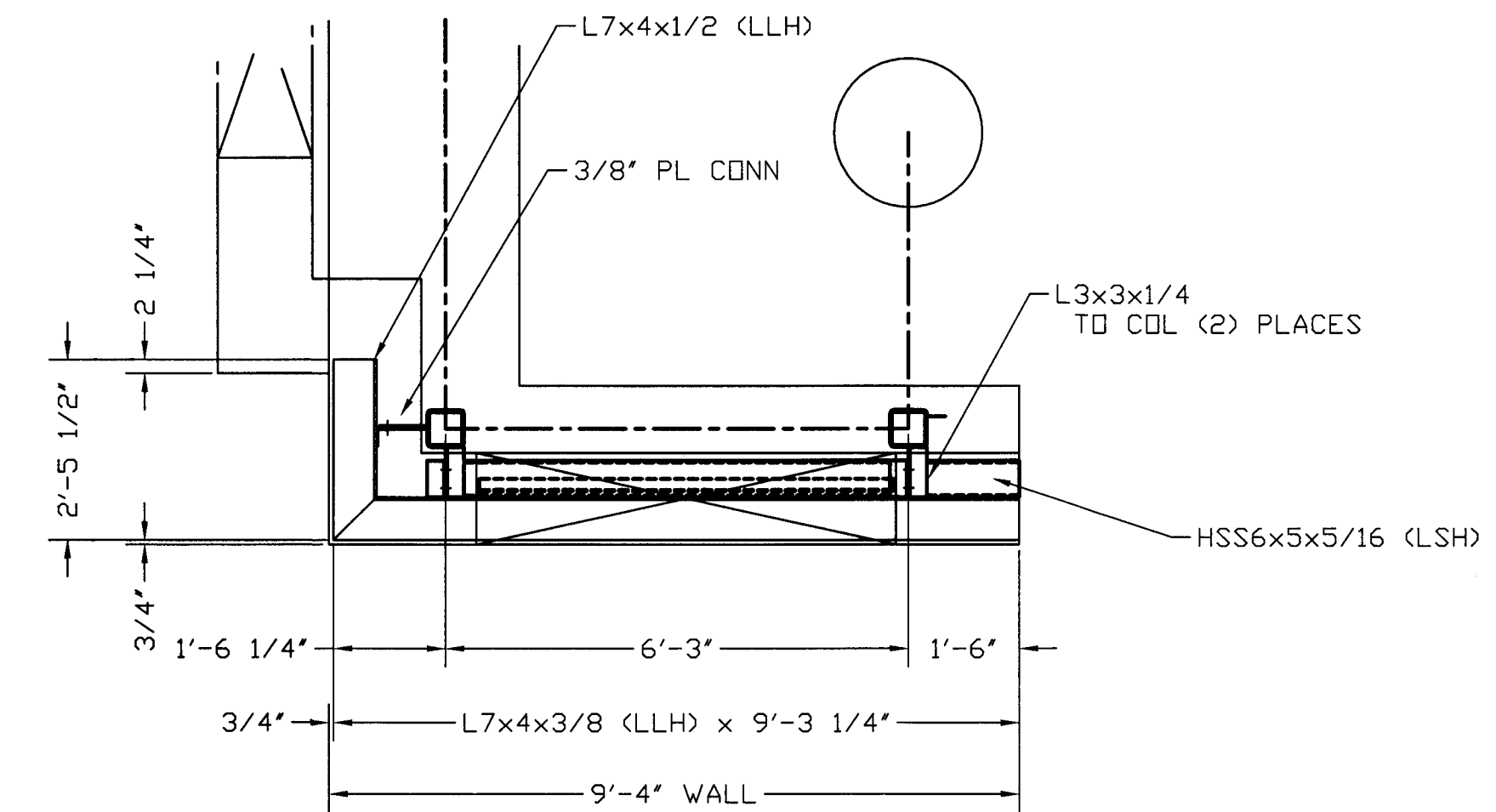
SECTION B-B



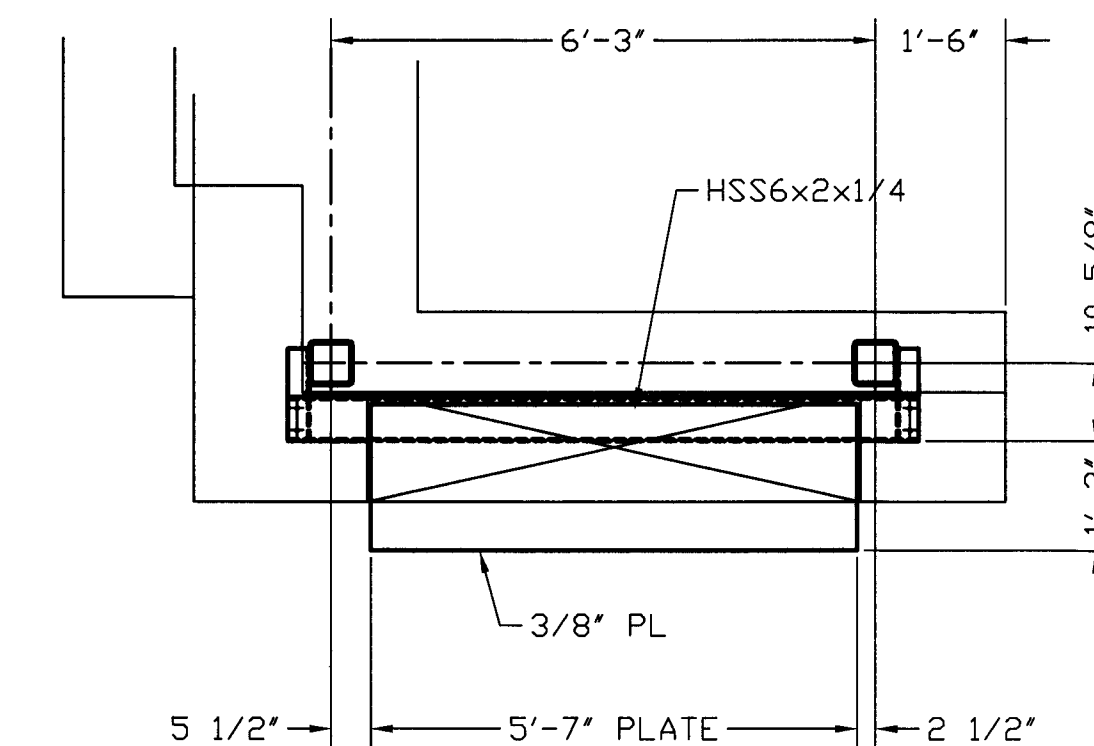
MOCKUP A, ELEVATION 2 (2/A0490)



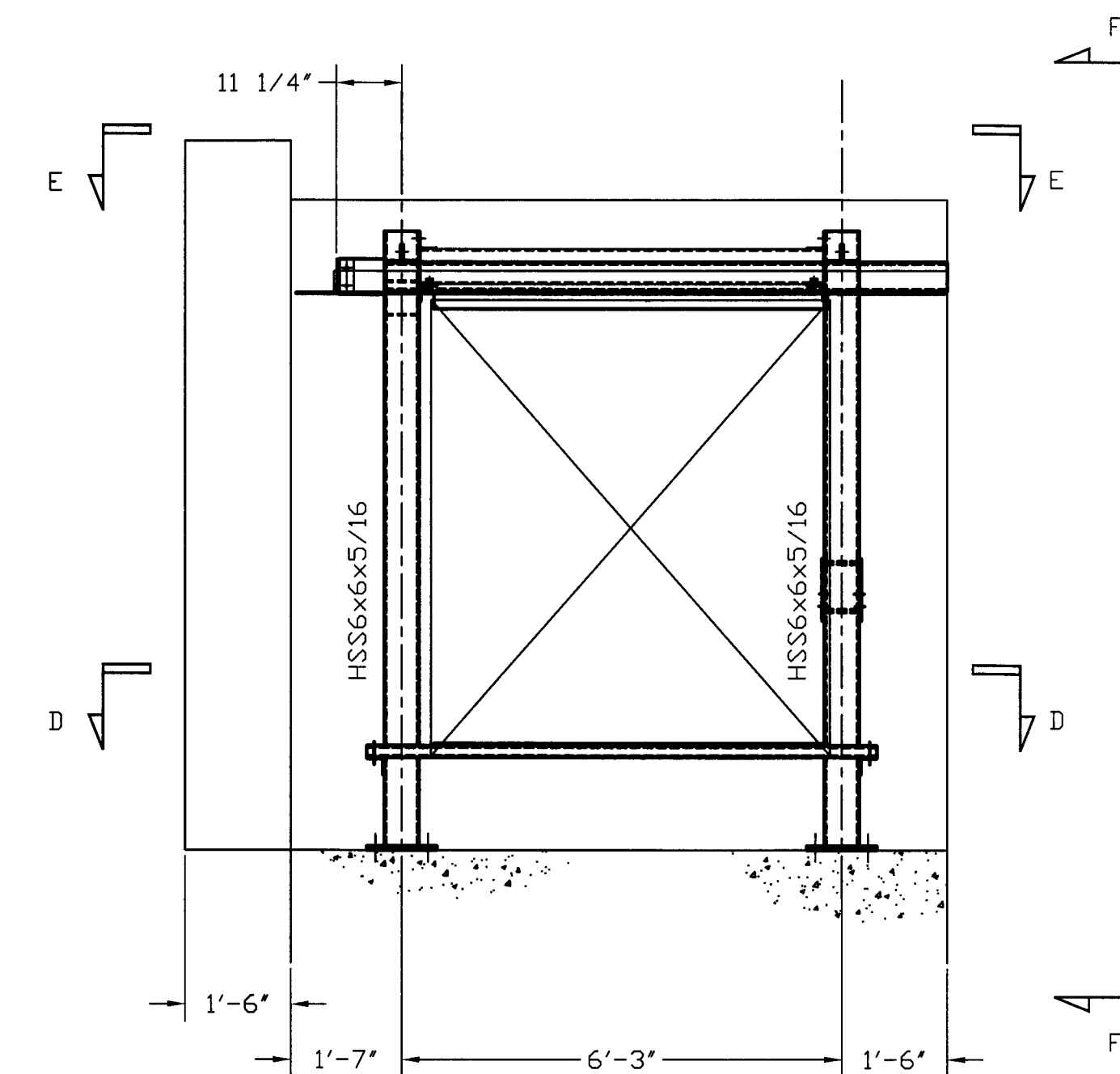
SECTION C-C



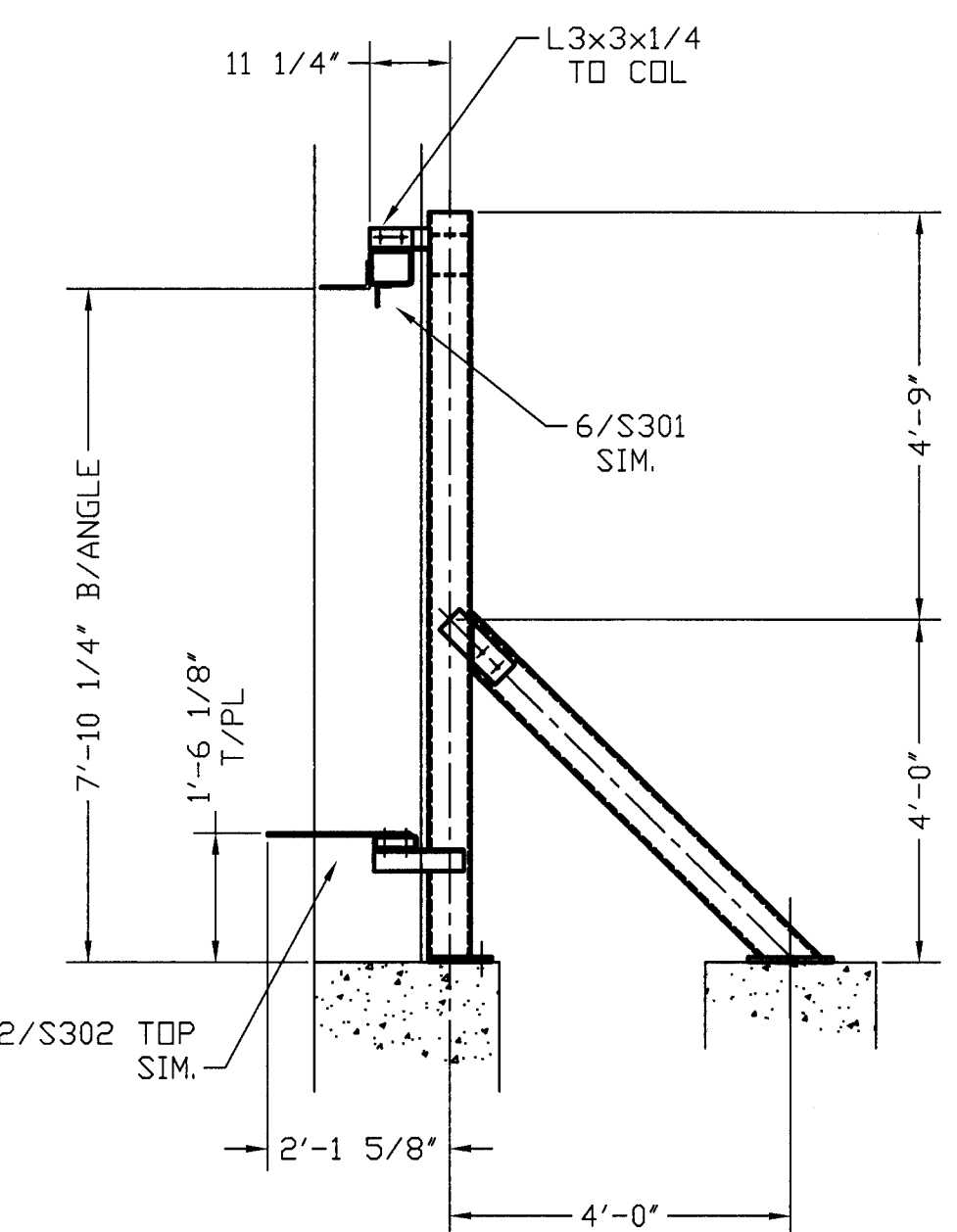
PLAN AT E-E



PLAN AT D-D

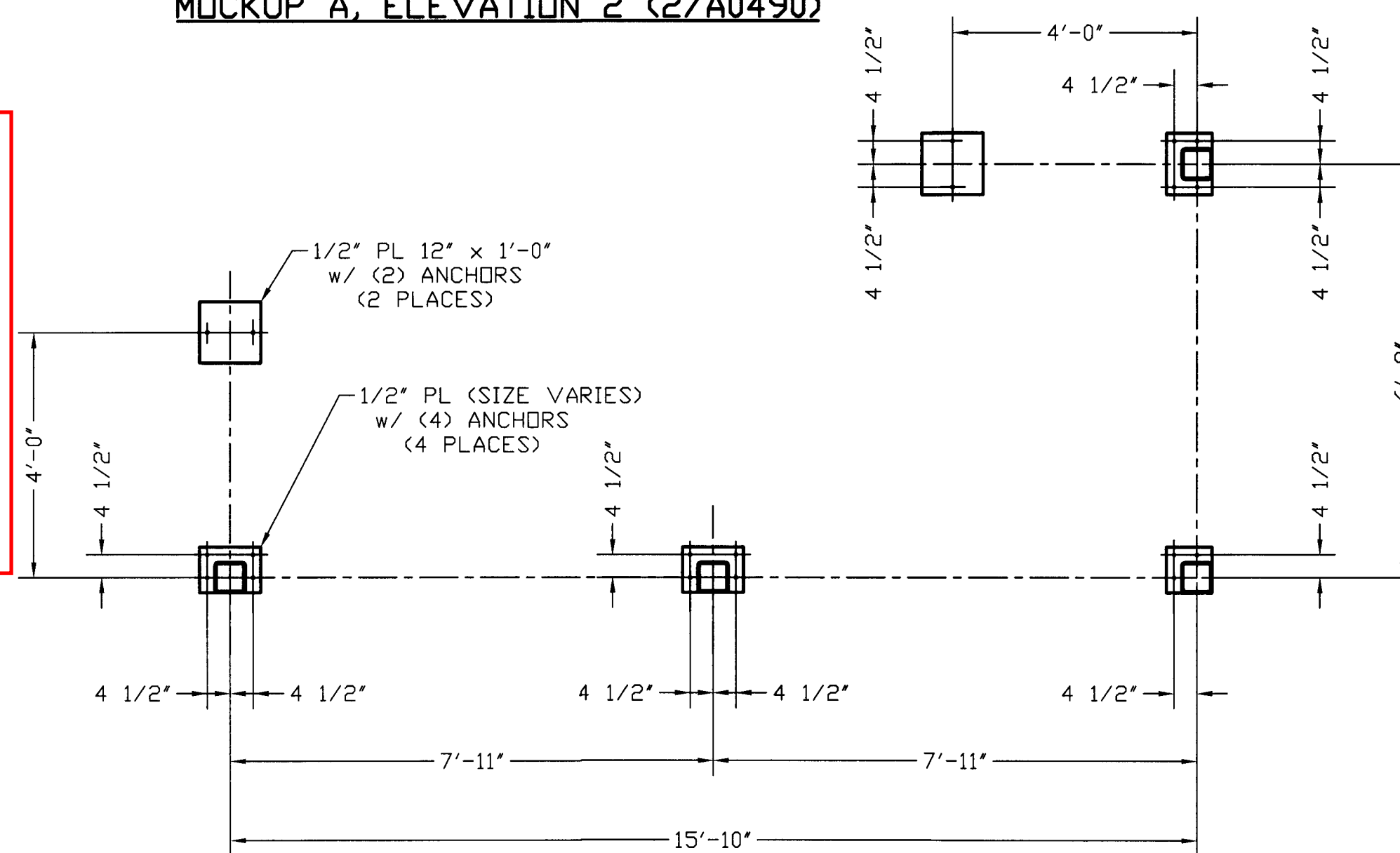


MOCKUP A, ELEVATION 1 (3/A0490)



SECTION F-F

DESIGNER: PLEASE
PROVIDE DETAIL
FOR ANCHORING
STEEL



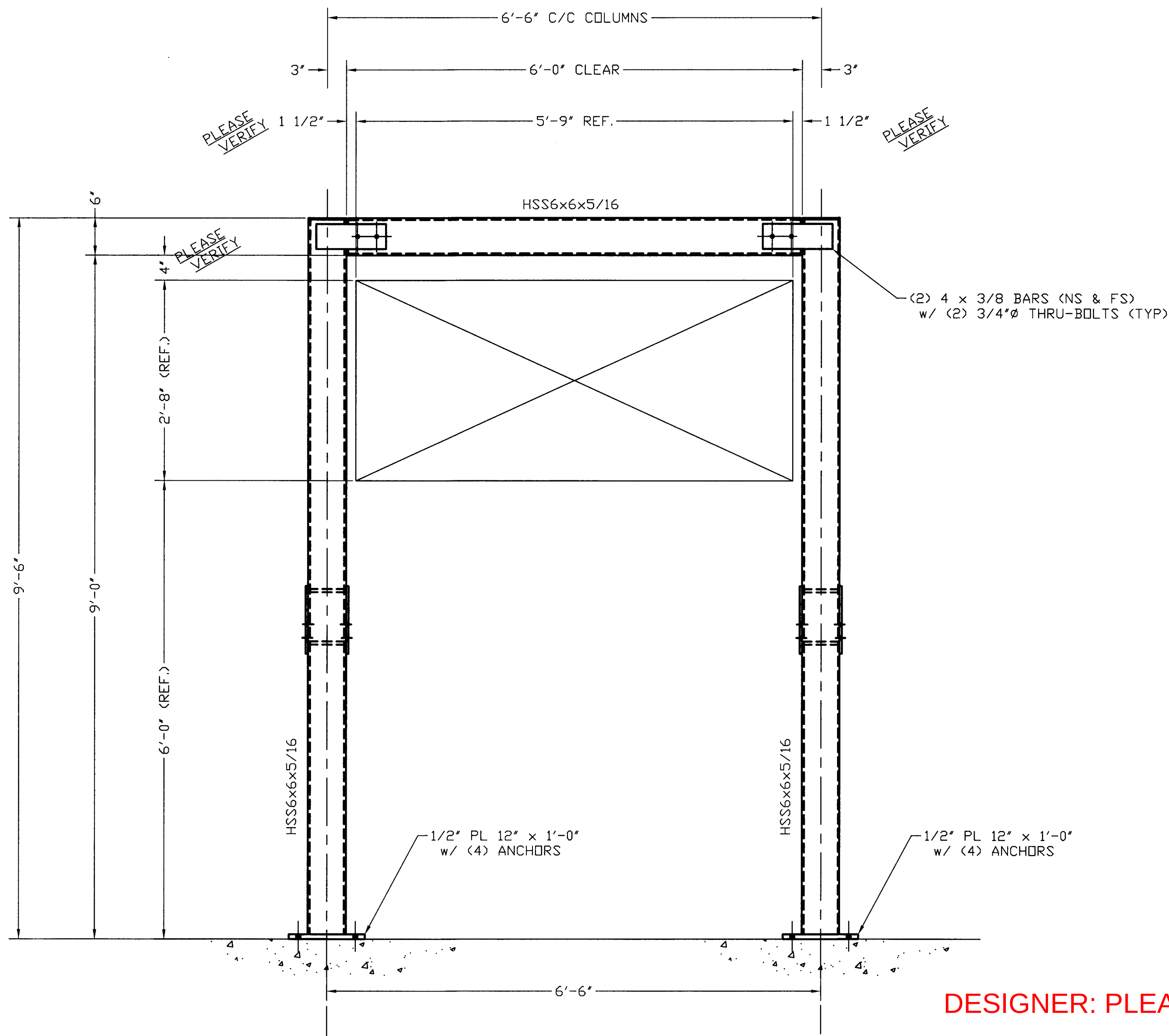
ANCHOR PLAN

APPROVER:
~ PLEASE VERIFY DETAILS
~ PLEASE ADVISE ANCHOR DETAILS
~ PLEASE VERIFY GALVANIZING

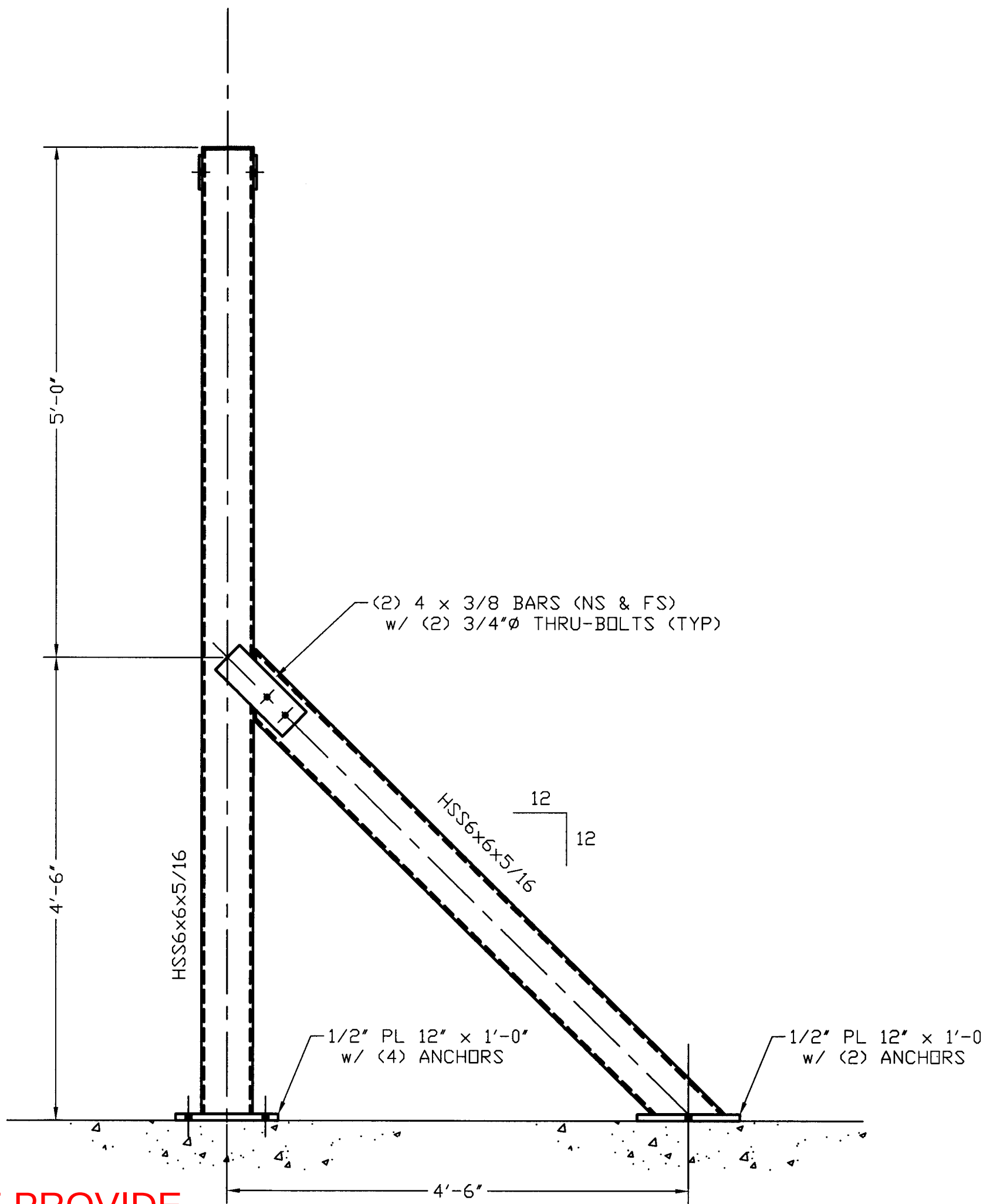
FOR
APPROVAL

PRIME PAINTED IS ACCEPTABLE
PER KELVIN PATEL

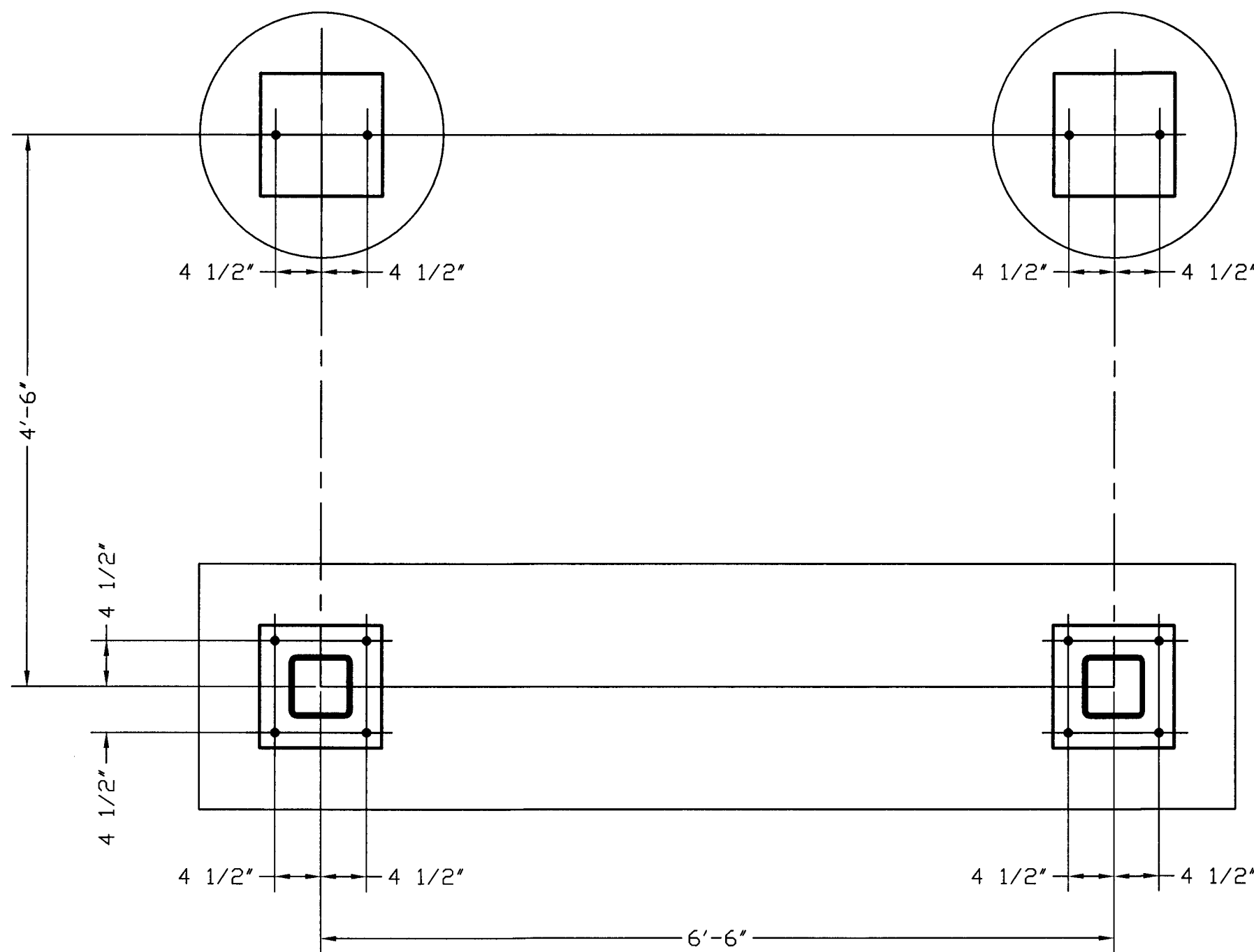
Sequence: - Ref. E-Plans: -		Project: WEBSTER ISB - MOCKUP A'	
Material: ASTM A-36 U.N.O. Edge Dist.: 1 1/4" U.N.O.		Customer: PARIC CORP	
Holes: 13/16" Ø UND Bolts: NOTED		Owner: WEBSTER UNIVERSITY	
Cleaning: ADVISE		Location: ST. LOUIS, MO	
Paint: ADVISE		Dwn: DC Date: 6/16/16 Ckd: Date:	
		Job No. A16013-MU BAT: DWG#: MUA-E1	



FRONT ELEVATION



SIDE ELEVATION



ANCHOR PLAN

DESIGNER: PLEASE PROVIDE
ANCHOR REQUIREMENTS

APPROVER:
~ PLEASE VERIFY DETAILS
~ PLEASE ADVISE ANCHOR DETAILS
~ PLEASE VERIFY GALVANIZED?

PRIME PAINTED STEEL
ACCEPTABLE PER KELVIN PATEL

FOR
APPROVAL

ATLAS IRON WORKS ST. LOUIS, MO.			
Sequence: -	Ref. E-Plans: -	Project: WEBSTER ISB - MOCKUP 'B'	
Material: ASTM A-36 U.N.O.	Edge Dist.: 1 1/4" U.N.O.	Customer: PARIC CORP	
Holes: 13/16" Ø UNO	Bolts: NOTED	Owner: WEBSTER UNIVERSITY	
Cleaning: ADVISE		Location: ST. LOUIS, MO	
Paint: ADVISE		Dwn: DC Date: 6/16/16 Ckd: Date:	
		Job No. A16013-MU BAT: DWG#: MUB-E1	

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

PROJECT NAME	
ADDRESS	
NUMBER	
OWNER	
ARCHITECT / ENGINEER	
SUBMITTED BY	
CONTRACTOR / CM SUBMITTAL NO.	CANNON DESIGN SUBMITTAL NO.
DRAWING / DETAIL REFERENCE	SPECIFICATION SECTION / PARAGRAPH
MANUFACTURER / SUPPLIER	ITEM / PRODUCT ID
REQUIRED DATE	PRIORITY
CRITICAL	

ITEM BEING SUBMITTED (check only one)

- | | | |
|---|--|--|
| ☐ Shop Drawings | ☐ Certification / Qualifications | ☐ Coordination Drawing |
| ☐ Samples (____ copies) | ☐ Record Documents | ☐ Calculations |
| ☐ LEED Submittal | ☐ Product Data | ☐ Schedules |
| ☐ Other _____ | ☐ O&M Manuals | |

ITEM BEING SUBMITTED FOR (check only one)

- ☐ Action ☐ Information Only ☐ Record

REMARKS OR DEVIATIONS

CONTRACTOR / CM CERTIFICATION (SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)



PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

By: **Devin D. Gates**

REVIEWED BY

DATE

To be completed by Reviewer

CANNON DESIGN SUBMITTAL NUMBER
RECEIVED DATE
☐ A. No Exceptions Taken No further review of submittal is required.
☐ B. Make Corrections Noted Incorporate corrections in work; resubmission is not required.
☐ C. Revise and Resubmit Revise as noted, and resubmit for review.
☐ D. Rejected Submittal is not in compliance with Contract Documents; provide new submittal.
☐ E. For Record / Information Only Submittal was reviewed for Record / Information purposes only.
☐ F. Not Required for Review Submittal is not required by Contract Documents and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

A/E COMMENTS

☐ See attached sheet(s) for additional comments

SHOP DRAWING / SUBMITTAL REVIEW	
☐ NO EXCEPTION TAKEN	☐ EXCEPTIONS NOTED, RESUBMITTAL NOT REQUIRED
☐ REJECTED	
☐ REVIEWED FOR INFORMATION ONLY	☒ REVISE AND RESUBMIT AS NOTED
Checking is only for general conformance with the design concept of the project and general compliance with the information given in the Contract Documents. Any action shown is subject to the requirements of the plans and specifications. Contractor is responsible for: Dimensions which shall be confirmed and correlated at the job site, fabrication processes and techniques of the construction, coordination of his work with that of all other trades and the satisfactory performance of his work.	
DAVID MASON & ASSOCIATES, INC.	
REVIEW BY: JYW	DATE: 06/20/2016

REVIEWED BY

DATE



77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0090

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 06/17/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Structural Steel Mockup Shop Drawings

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☒ Shop Drawings	☒ Approval	☒ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	SENT VIA:	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☐ Other:	☐ Separate Cover Via:	☐ Due Date:

Item	Package	Code	Rev.	Copies	Date	Description	Status
Submittal		051200-018	1		06/17/2016	Structural Steel Mockup Shop Drawings	Submitted

NOTES:

CC: Paric Corporation, Kathy Bathe

Project Coordinator: Paric Corporation, Kathy Bathe

Signed: _____
Devin Gates