

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	☐

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. 15051-0235

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 09/20/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Misc Steel Shop Drawings

ATTN: Kelvin Patel

JOB: 15051

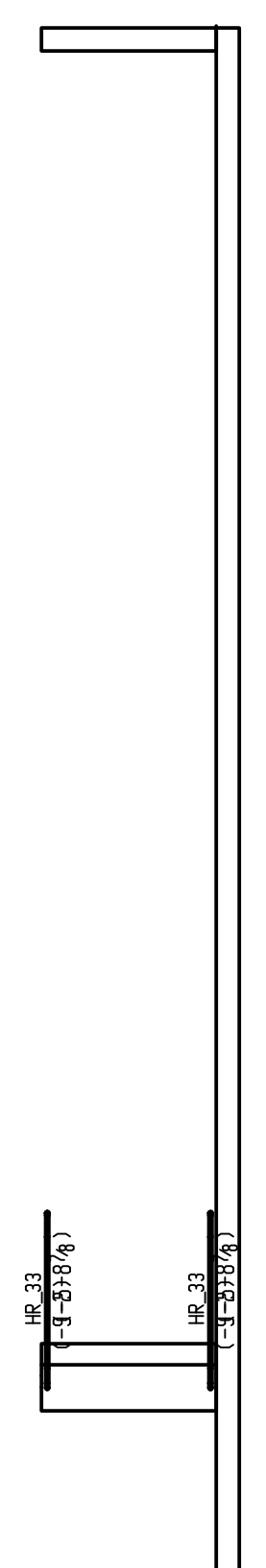
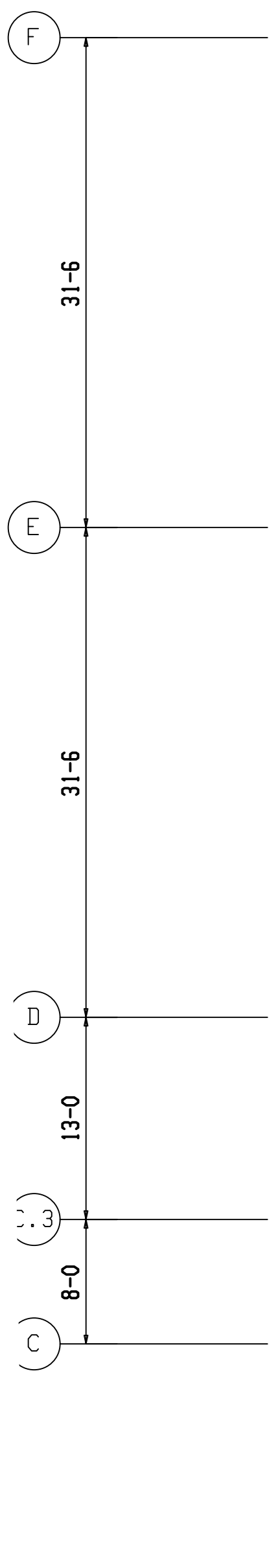
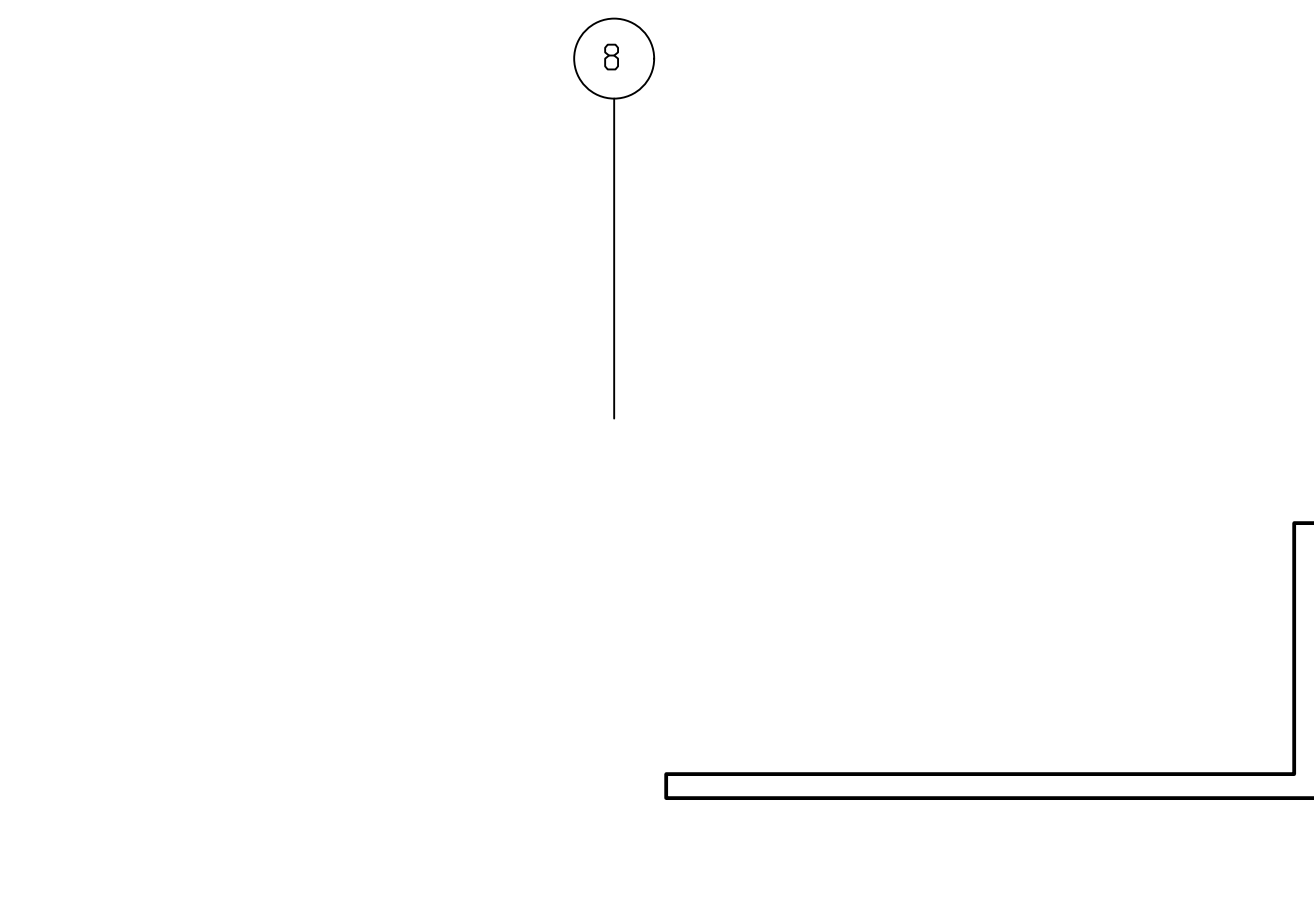
WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☒ Shop Drawings	☒ Approval	☐ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	SENT VIA:	☐ Returned
☐ Specifications	☐ Attached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

<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		051200-028	1		09/20/2016	Misc Steel Shop Drawings	Submitted

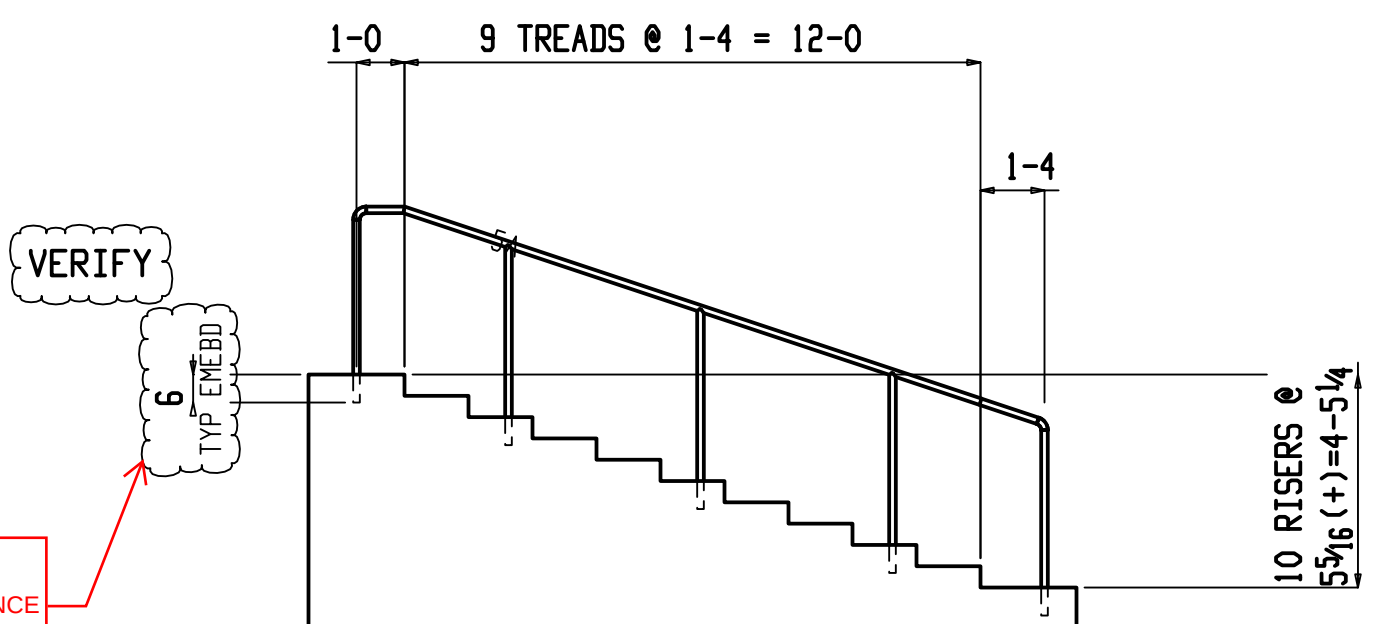
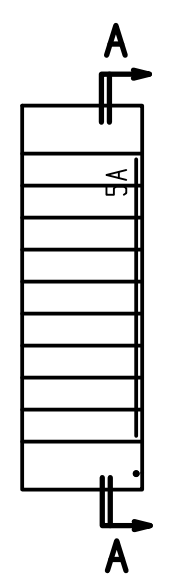
NOTES:

CC:

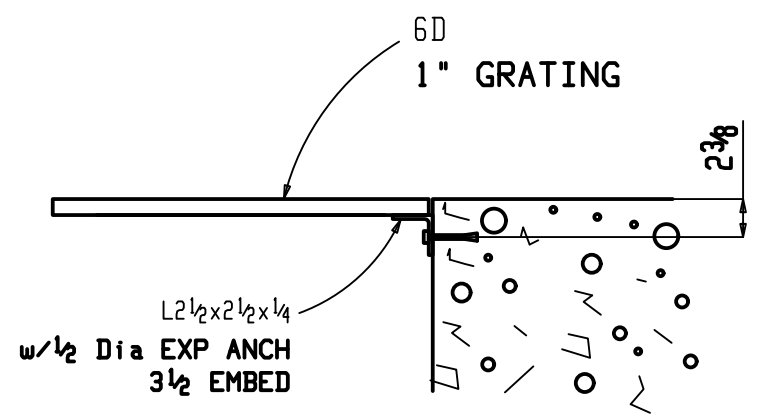
Signed: _____
Devin Gates



PARTIAL EAST RAIL PLAN

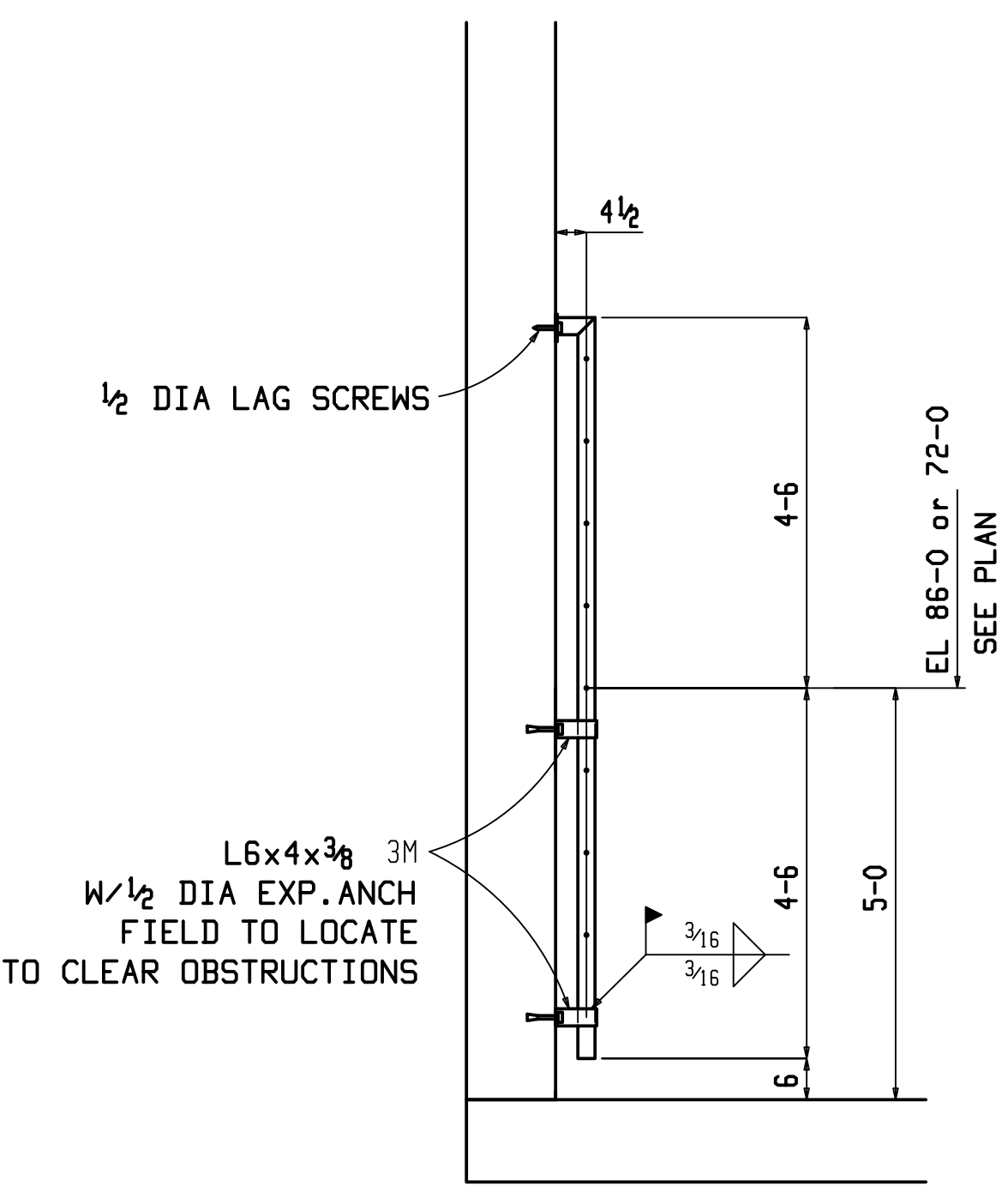


Section A-A



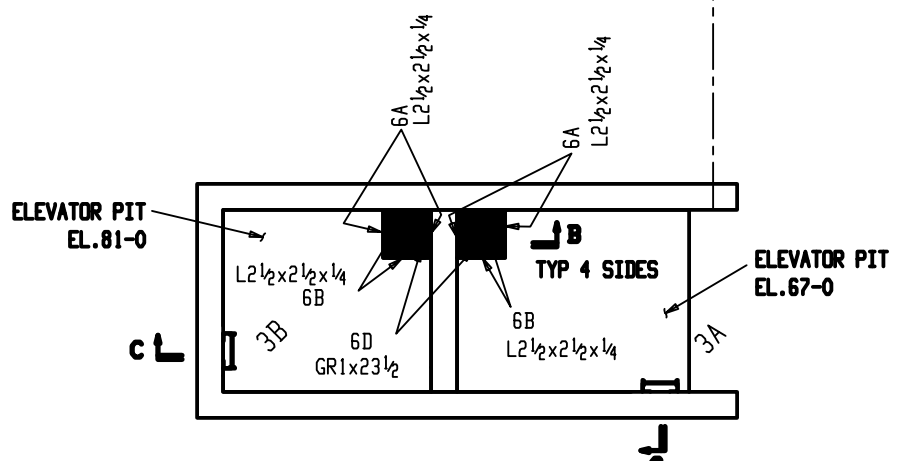
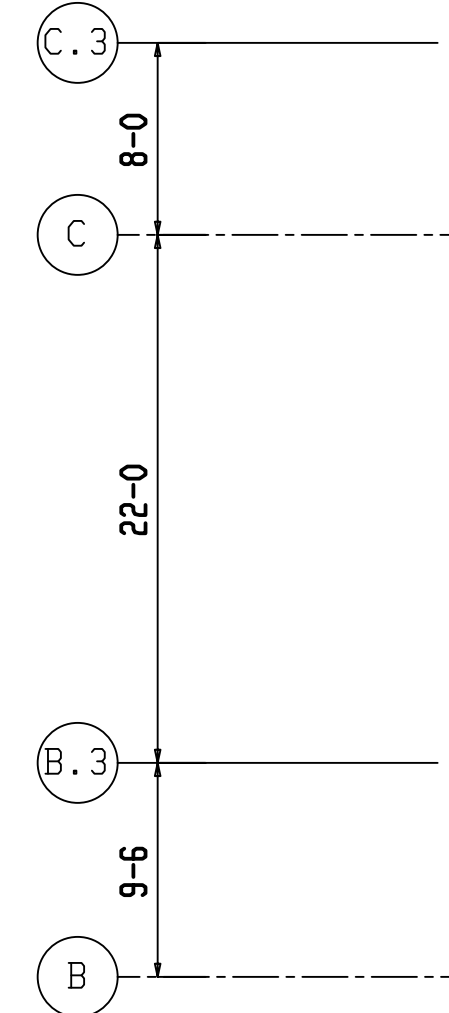
SECTION B

TYPICAL SECTION AT SUMP PITS

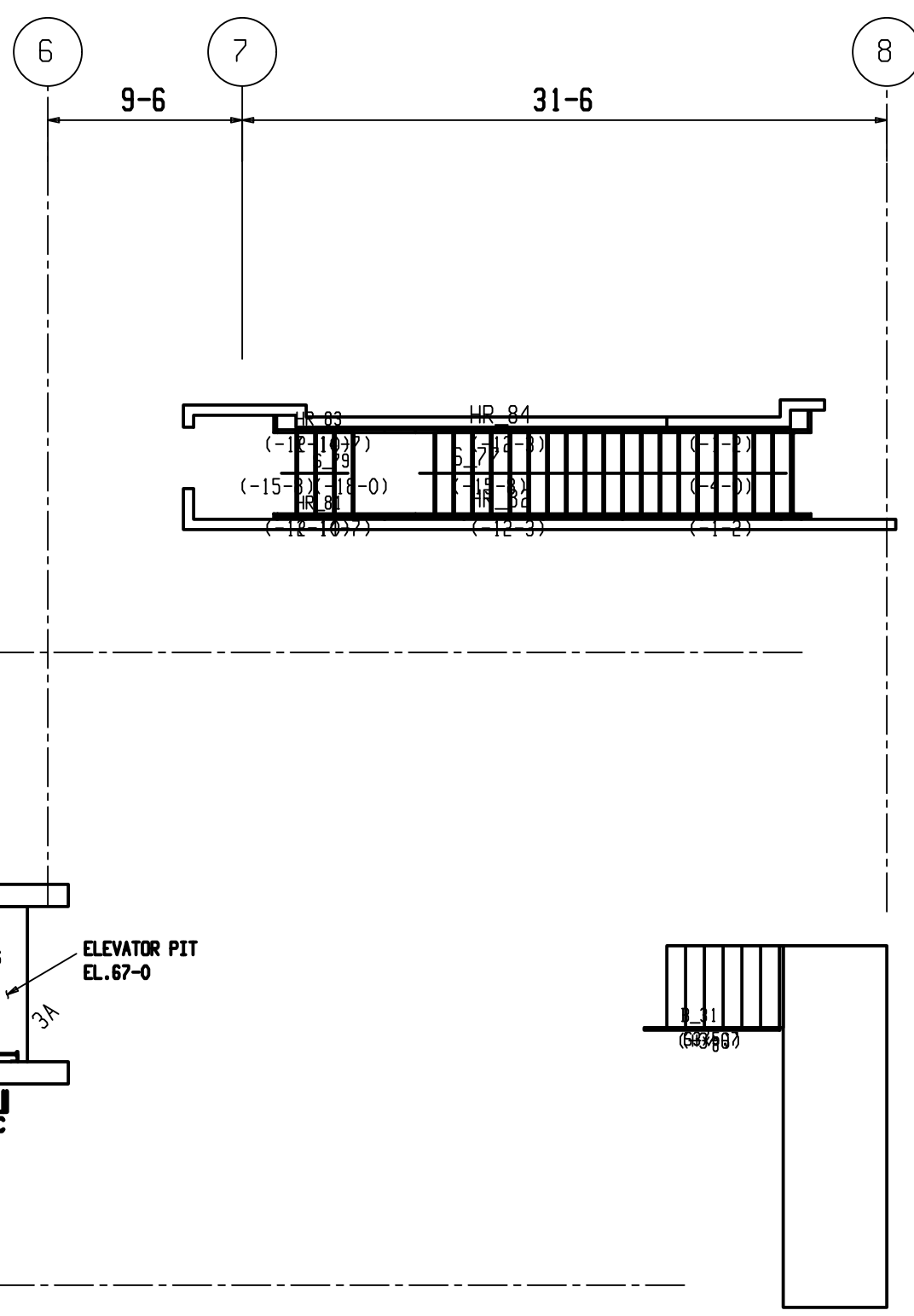


SECTION C

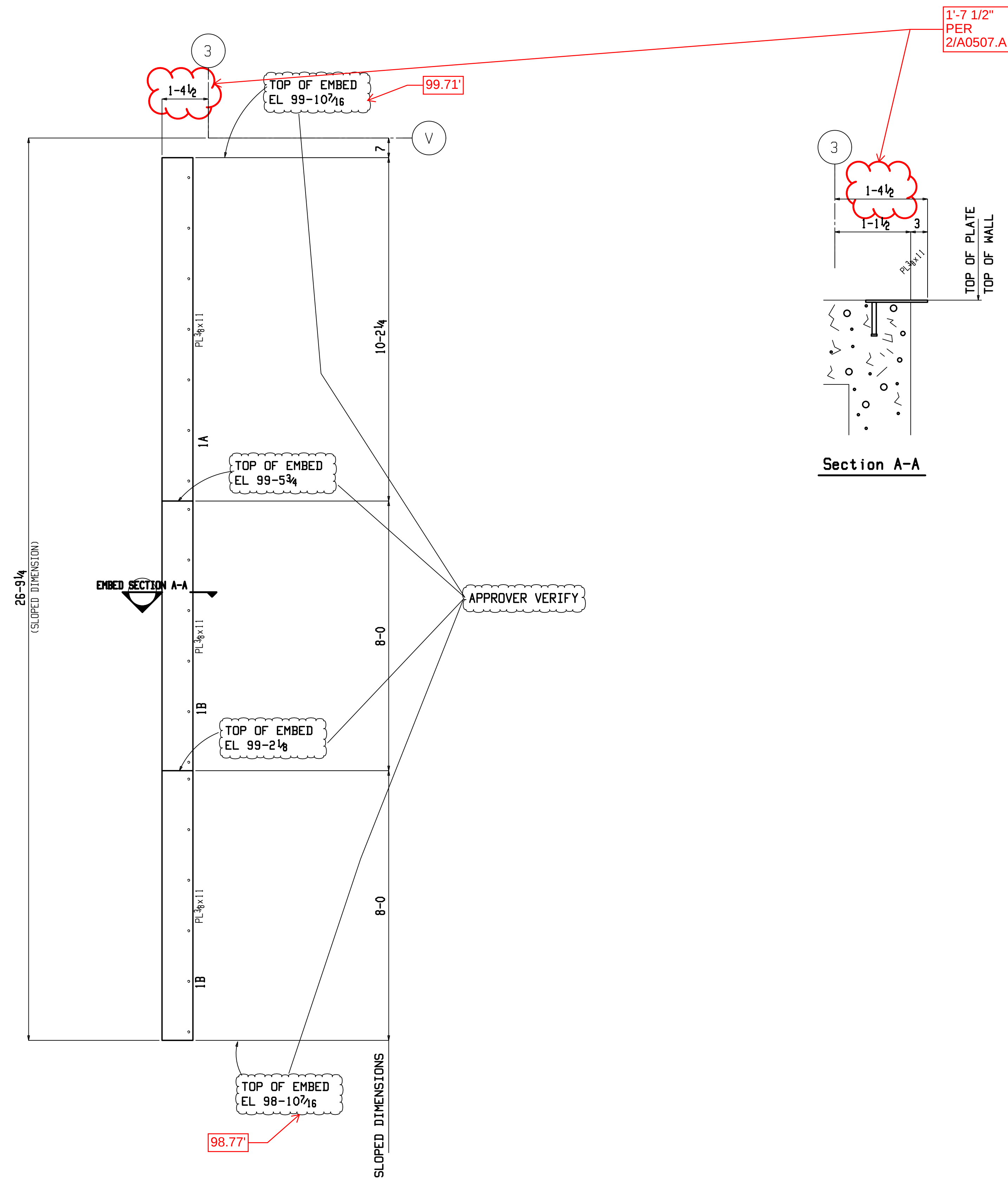
TYPICAL SECTION AT ELEVATOR PIT LADDERS



PARTIAL INTERIOR PLAN

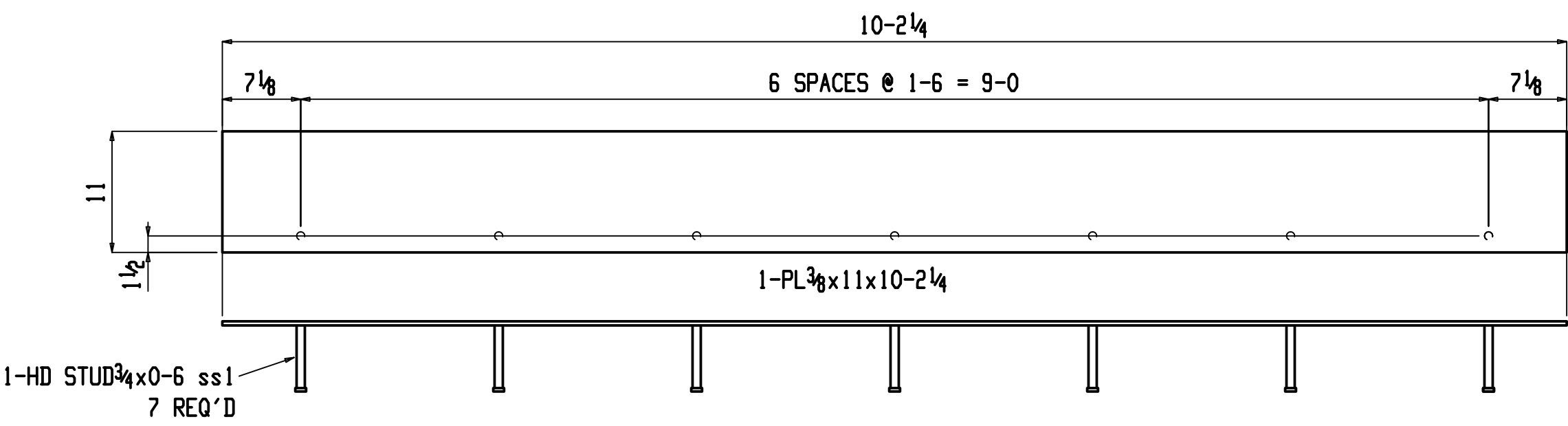


△	
△ 9-19-16: FOR APPROVAL	
ATLAS IRON WORKS EST. 1922	
Project:	WEBSTER UNIVERSITY
Customer:	PARIC
Owner:	WEBSTER UNIVERSITY
Location:	WEBSTER GROVES, MD.
Dwn:	KRT
Date:	9-14-16
Ckd:	BD
Date:	9-19-16
Job No.	A16013M
DWG#:	E1

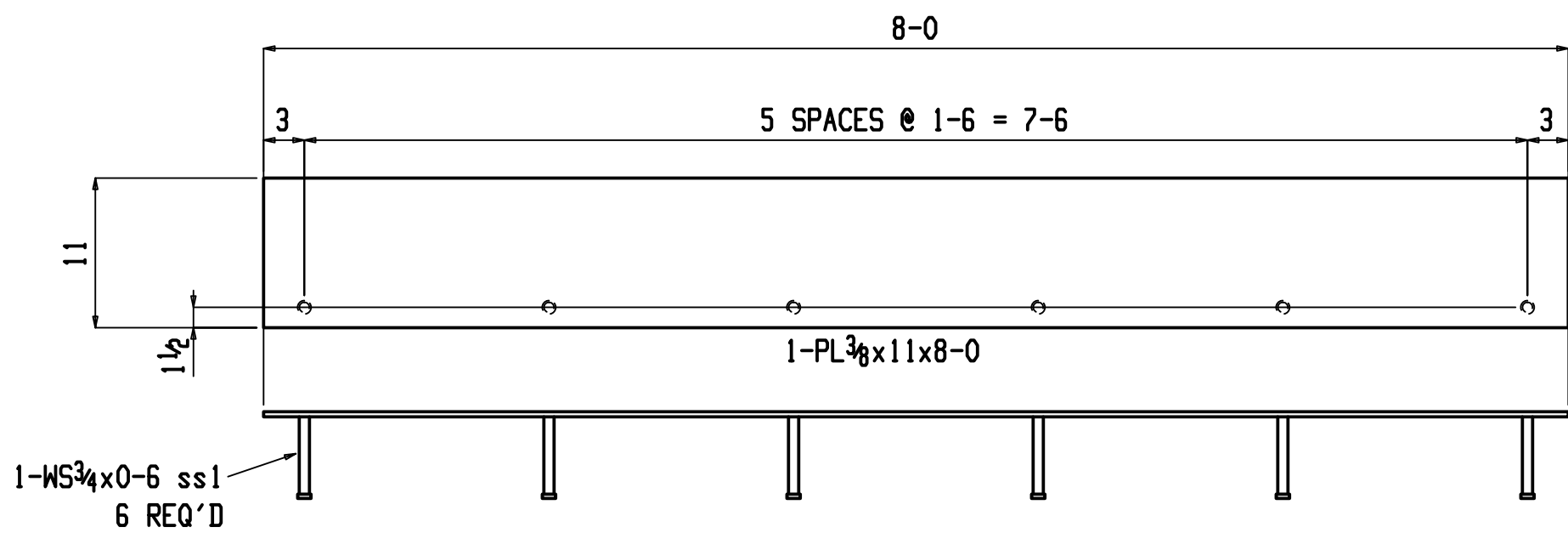


LINE 3 PARTIAL EMBED PLAN

△	
△ 9-19-16: FOR APPROVAL	
ATLAS IRON WORKS EST. 1922	
Project: WEBSTER UNIVERSITY	
Customer: PARIC	
Owner: WEBSTER UNIVERSITY	
Location: WEBSTER GROVES, MO.	
Dwn: KRT	Date: 8-30-16
Ckd: BD	Date: 9-19-16
Job No. A16013M	DWG#: EMB1



ONE EMBED PLATE 1A



2 EMBED PLATES 1B

BILL OF MATERIAL					
QTY	QTY	PC	LENGTH		REMARKS
TOTAL	UNIT	MARK	DESCRIPTION		
ONE		1A	EMBED PLATE		EMB1
1	1	1A	PL 3/8 x 11	10 2 1/4	A36
7	7	ss1	WS 3/4	0 6	A108
2		1B	EMBED PLATE		EMB1
2	1	1B	PL 3/8 x 11	8 0	A36
12	6	ss1	WS 3/4	0 6	A108

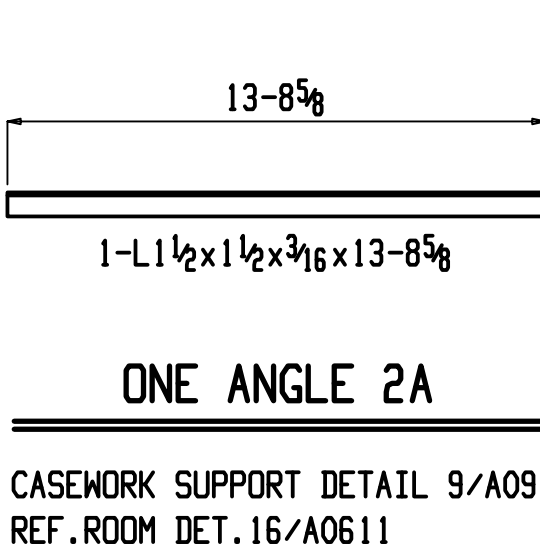


9-19-16: FOR APPROVAL

Sequence: - Ref. E-Plans: SEE BOM
Material: ASTM A36 U.N.O. Edge Dist.: 1 1/4" U.N.O.
Holes: 13/16" UNO Bolts: NOTED
Cleaning: NONE
Paint: NONE
NONE



Project: WEBSTER UNIVERSITY
Customer: PARIC
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GROVES, MO.
Dwn: KRT Date: 8-30-16 Ckd: BD Date: 9-19-16
Job No. A16013M DWG#: 1

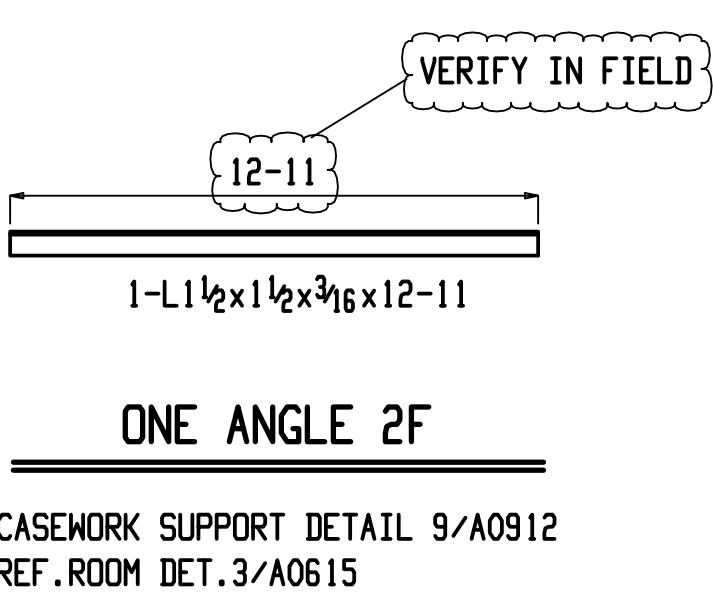
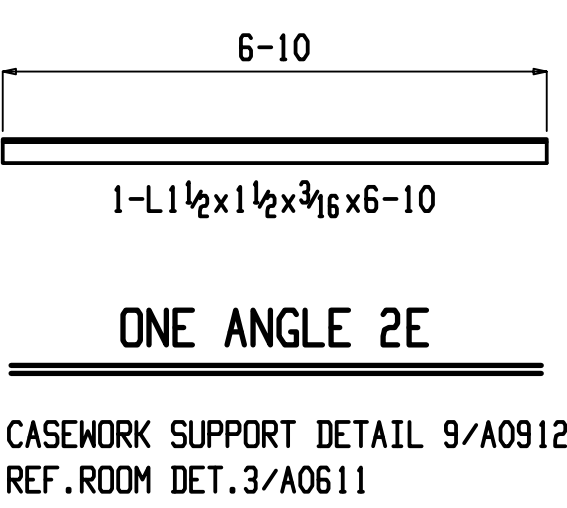
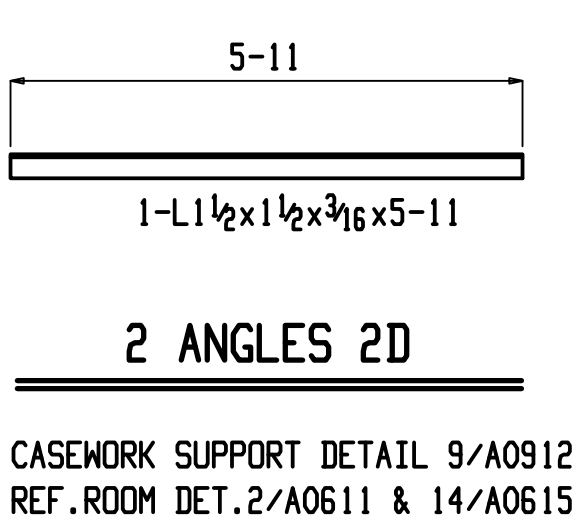
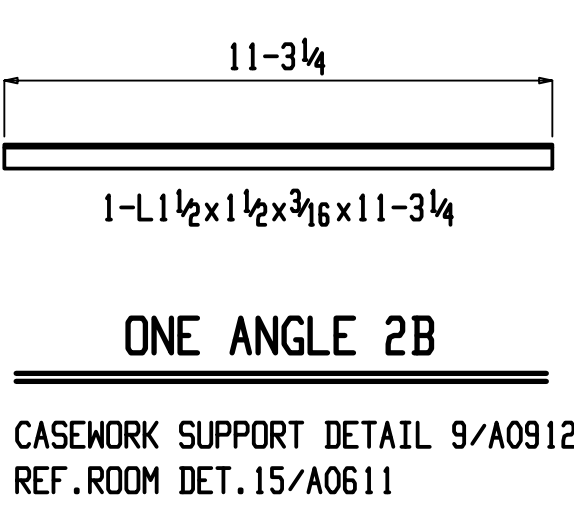


APPROVER: VERIFY ANGLE SIZE,
PROVIDE HOLE SIZE AND SPACING
IF REQ'D. TYPICAL AT ALL ANGLES
THIS SHEET.
VERIFY ANGLES ARE CONTINUOUS AND
HEBGO BRACKETS TO BE NOTCHED AT
CONTINUOUS ANGLE.

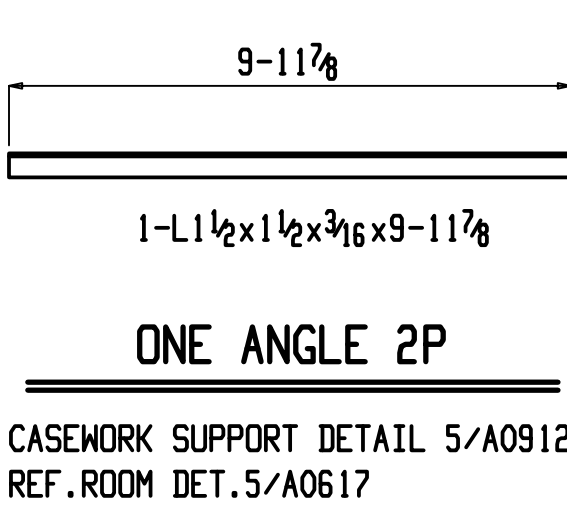
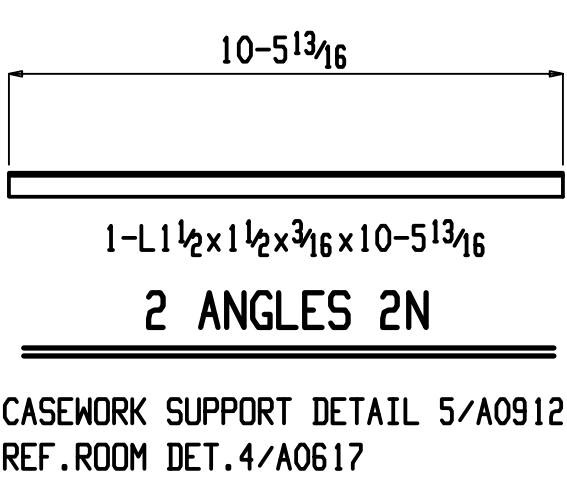
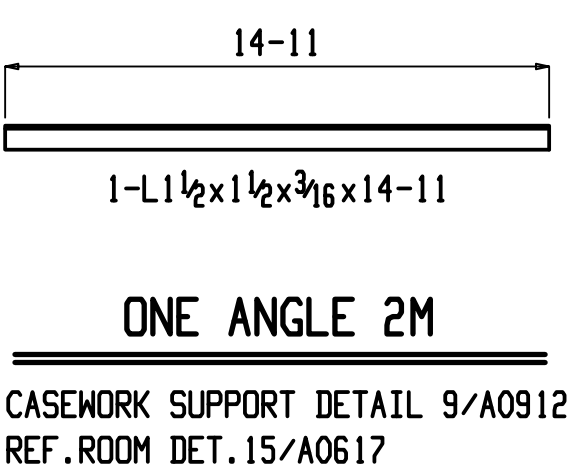
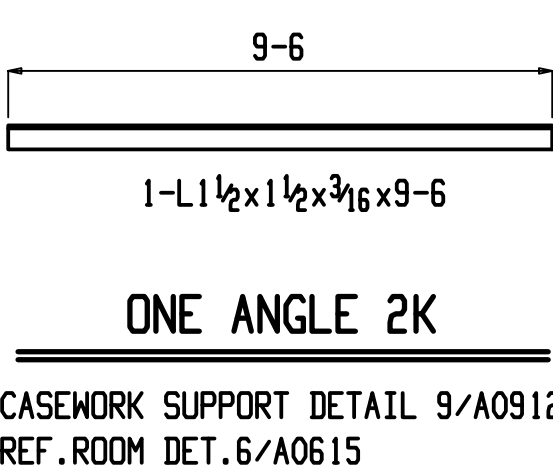
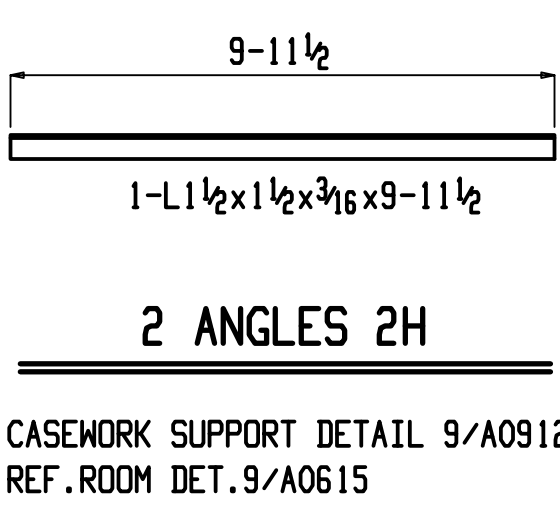
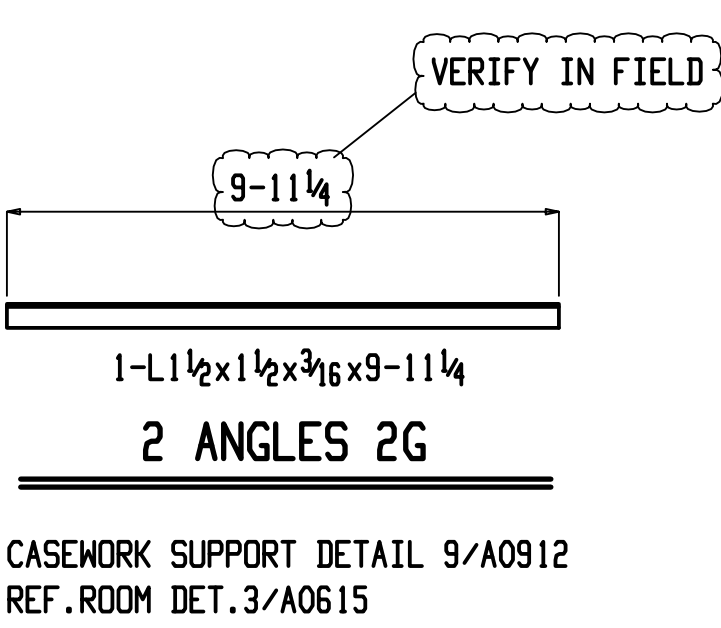
STEEL ANGLES TO BE CONTINUOUS
BETWEEN COUNTERTOP SUPPORTS.

NOTCHING OF HEBGO BRACKETS IS
NOT ACCEPTABLE.

GC TO COORDINATE .



BILL OF MATERIAL					
QTY	QTY	PC	DESCRIPTION	LENGTH	
TOTAL	UNIT	MARK			REMARKS
ONE		2A	ANGLE		
1	1	2A	L1 ¹ / ₂ x1 ¹ / ₂ x ³ / ₁₆	13	8 ⁵ / ₈ A36
ONE		2B	ANGLE		
1	1	2B	L1 ¹ / ₂ x1 ¹ / ₂ x ³ / ₁₆	11	3 ¹ / ₄ A36
2		2D	ANGLE		
2	1	2D	L1 ¹ / ₂ x1 ¹ / ₂ x ³ / ₁₆	5	11 A36
ONE		2E	ANGLE		
1	1	2E	L1 ¹ / ₂ x1 ¹ / ₂ x ³ / ₁₆	6	10 A36
ONE		2F	ANGLE		
1	1	2F	L1 ¹ / ₂ x1 ¹ / ₂ x ³ / ₁₆	12	11 A36
2		2G	ANGLE		
2	1	2G	L1 ¹ / ₂ x1 ¹ / ₂ x ³ / ₁₆	9	11 ¹ / ₄ A36
2		2H	ANGLE		
2	1	2H	L1 ¹ / ₂ x1 ¹ / ₂ x ³ / ₁₆	9	11 ¹ / ₂ A36
ONE		2K	ANGLE		
1	1	2K	L1 ¹ / ₂ x1 ¹ / ₂ x ³ / ₁₆	9	6 A36
ONE		2M	ANGLE		
1	1	2M	L1 ¹ / ₂ x1 ¹ / ₂ x ³ / ₁₆	14	11 A36
2		2N	ANGLE		
2	1	2N	L1 ¹ / ₂ x1 ¹ / ₂ x ³ / ₁₆	10	5 ¹³ / ₁₆ A36
ONE		2P	ANGLE		
1	1	2P	L1 ¹ / ₂ x1 ¹ / ₂ x ³ / ₁₆	9	11 ⁷ / ₈ A36
ONE		2T	ANGLE		
1	1	2T	L1 ¹ / ₂ x1 ¹ / ₂ x ³ / ₁₆	17	11 A36



PLEASE VERIFY L LENGTHS ARE
SUCH THAT THEY CAN GET INTO THE
BUILDING

SURFACE PREP AS
REQUIRED FOR PAINT

PAINTED

VERIFY

△

△ 9-19-16: FOR APPROVAL

Sequence: - Ref. E-Plans: SEE BOM

Material: ASTM A36 U.N.O. Edge Dist.: 1¹/₄" U.N.O.

Holes: 13¹/₁₆" UNO Bolts: NOTED

Cleaning: NONE

Paint: NONE



Project: WEBSTER UNIVERSITY

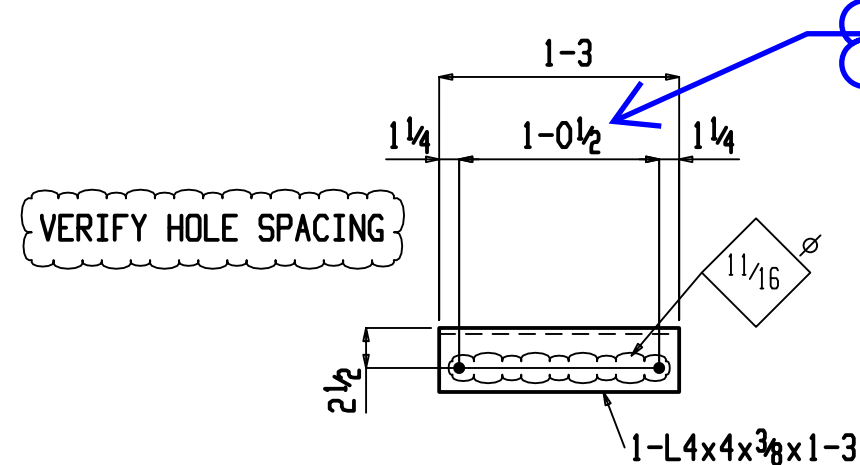
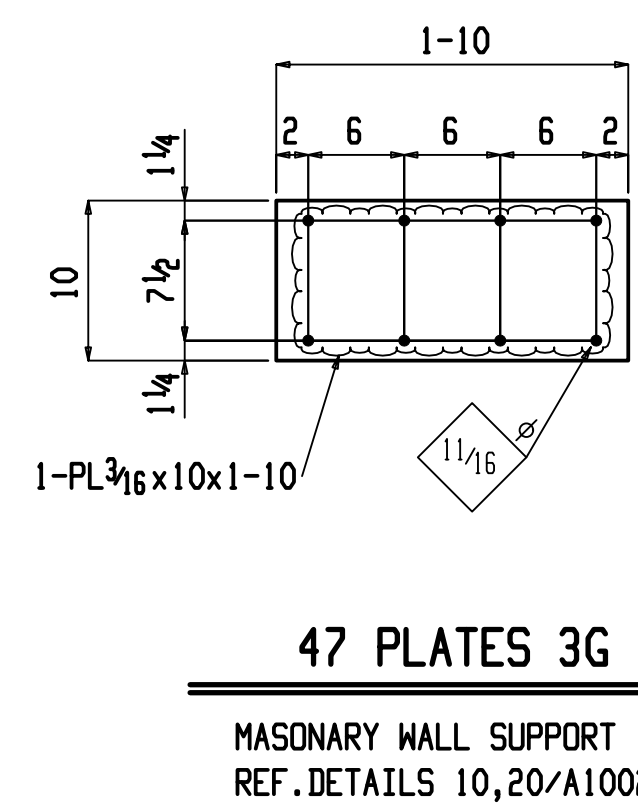
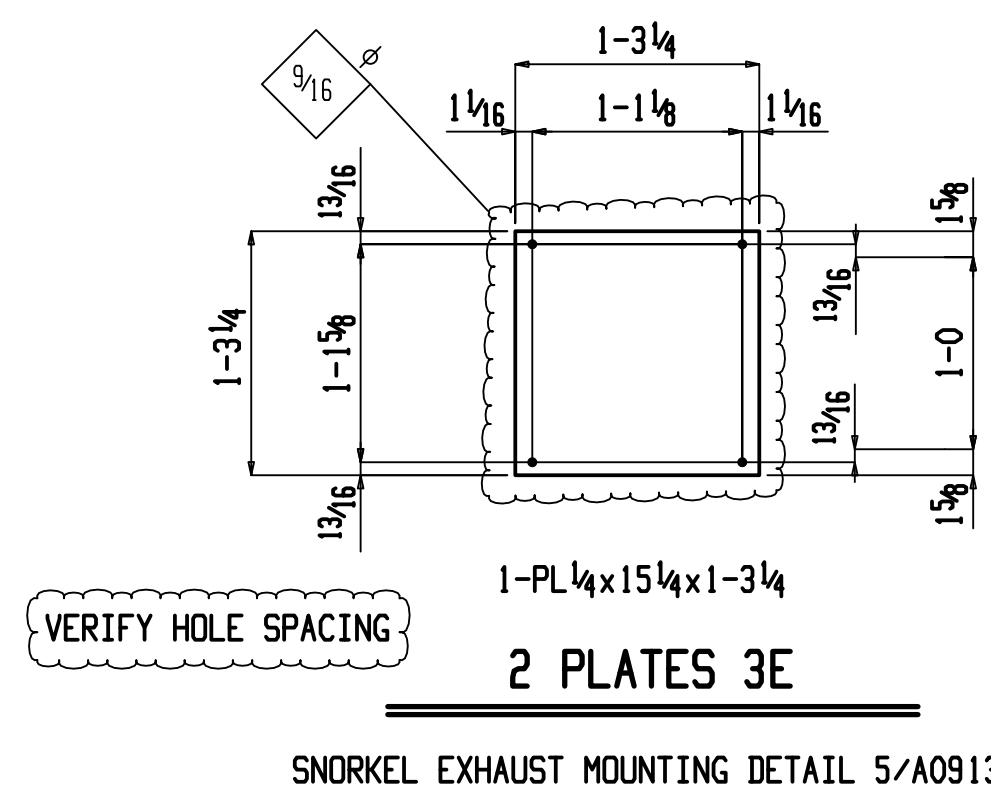
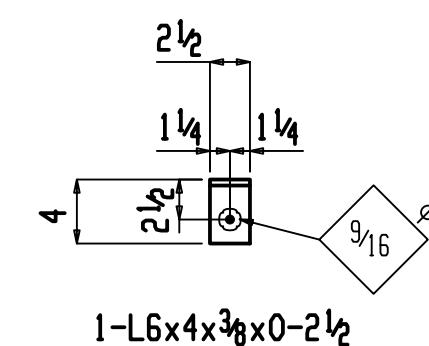
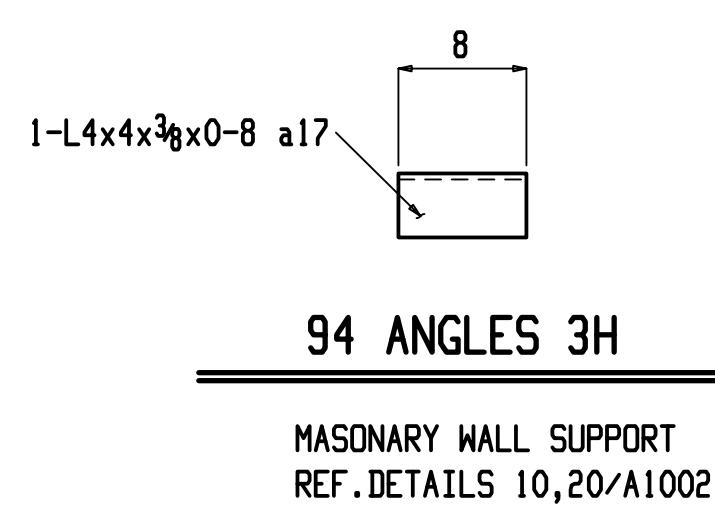
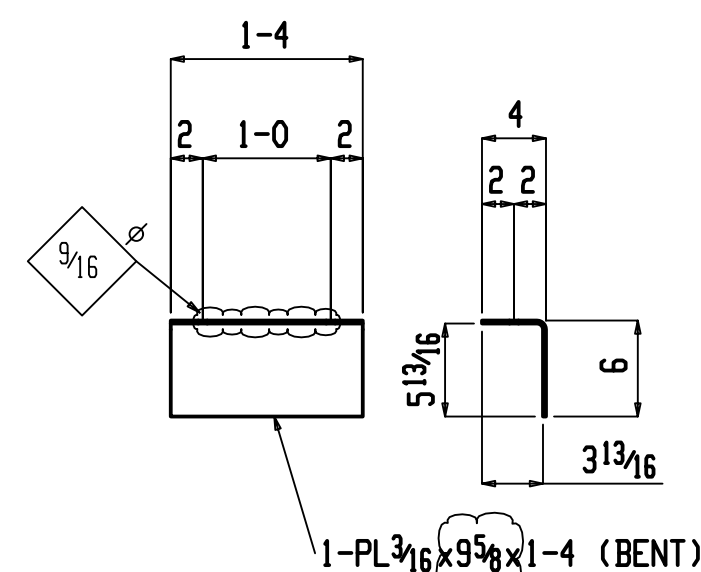
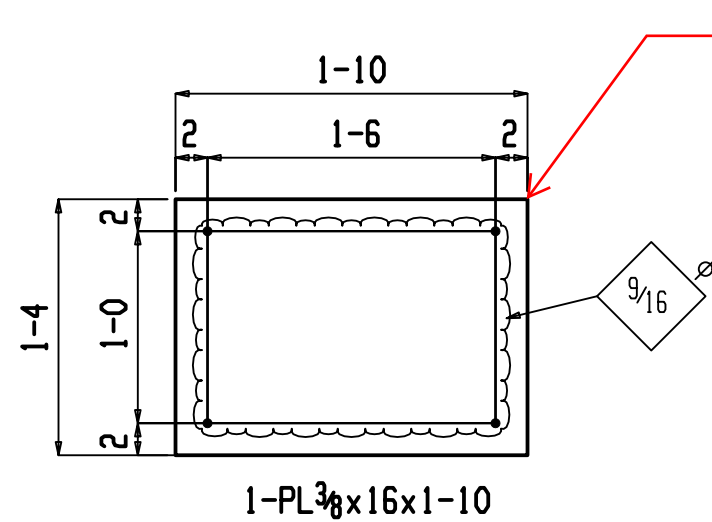
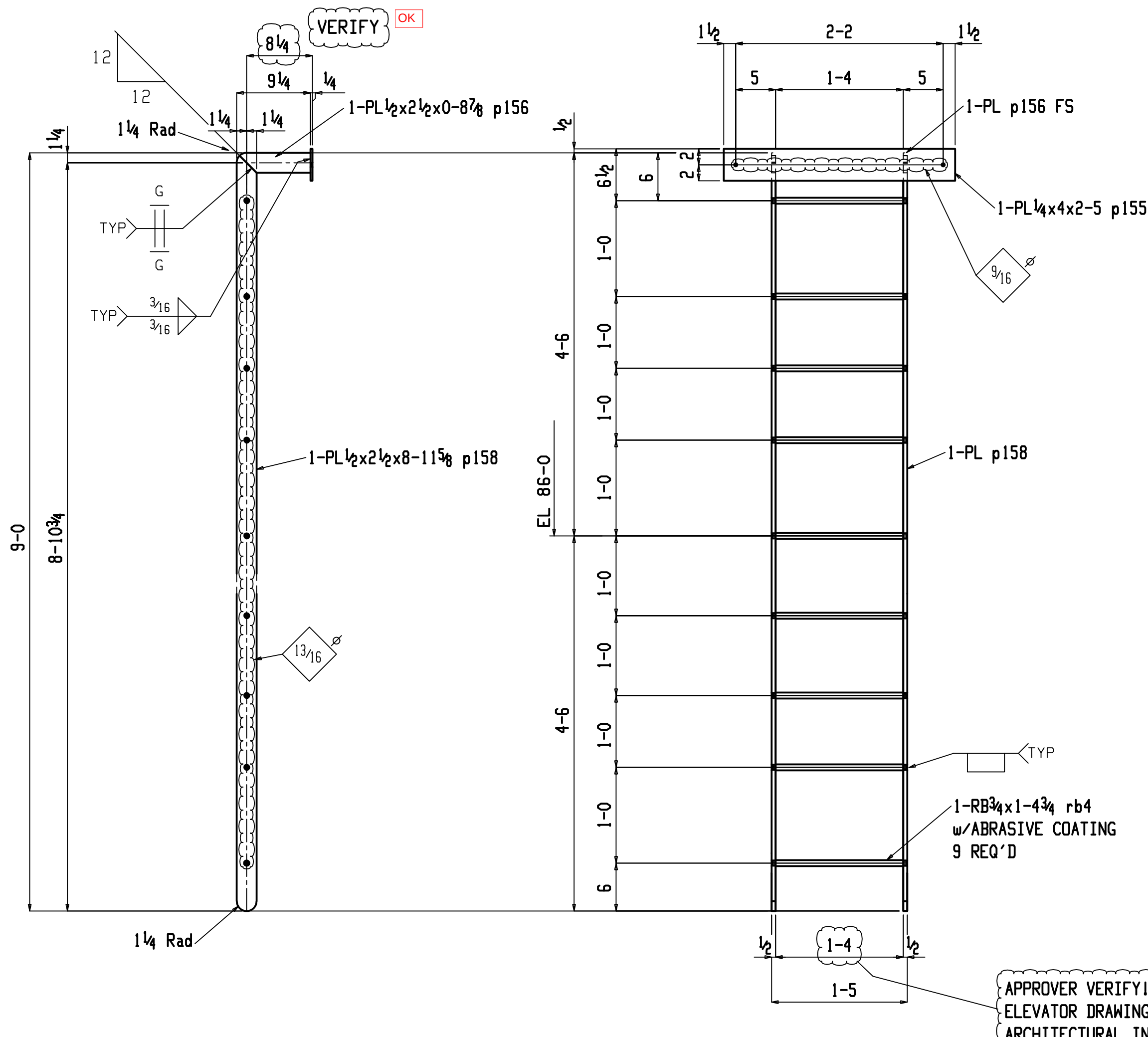
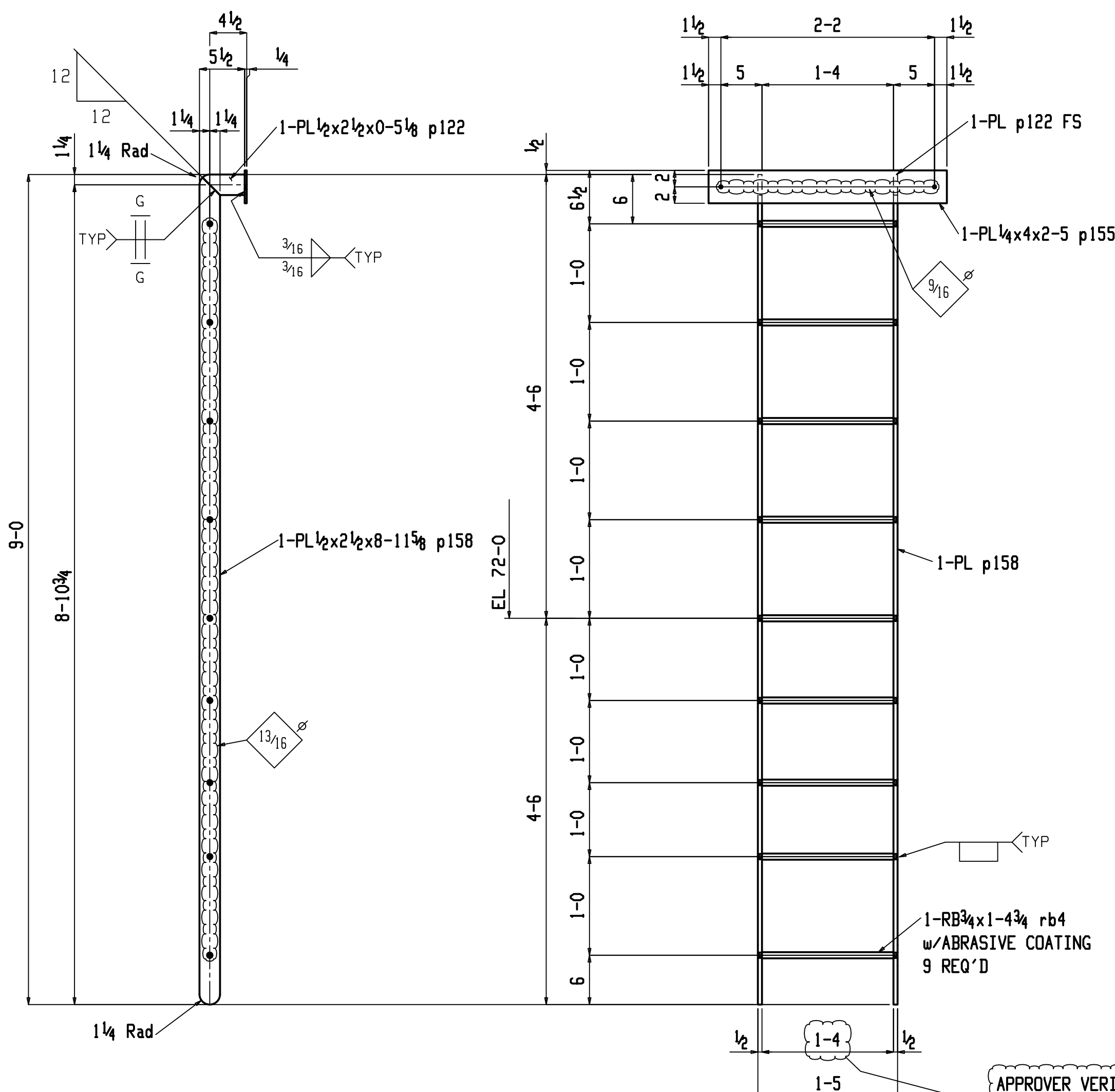
Customer: PARIC

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GROVES, MD.

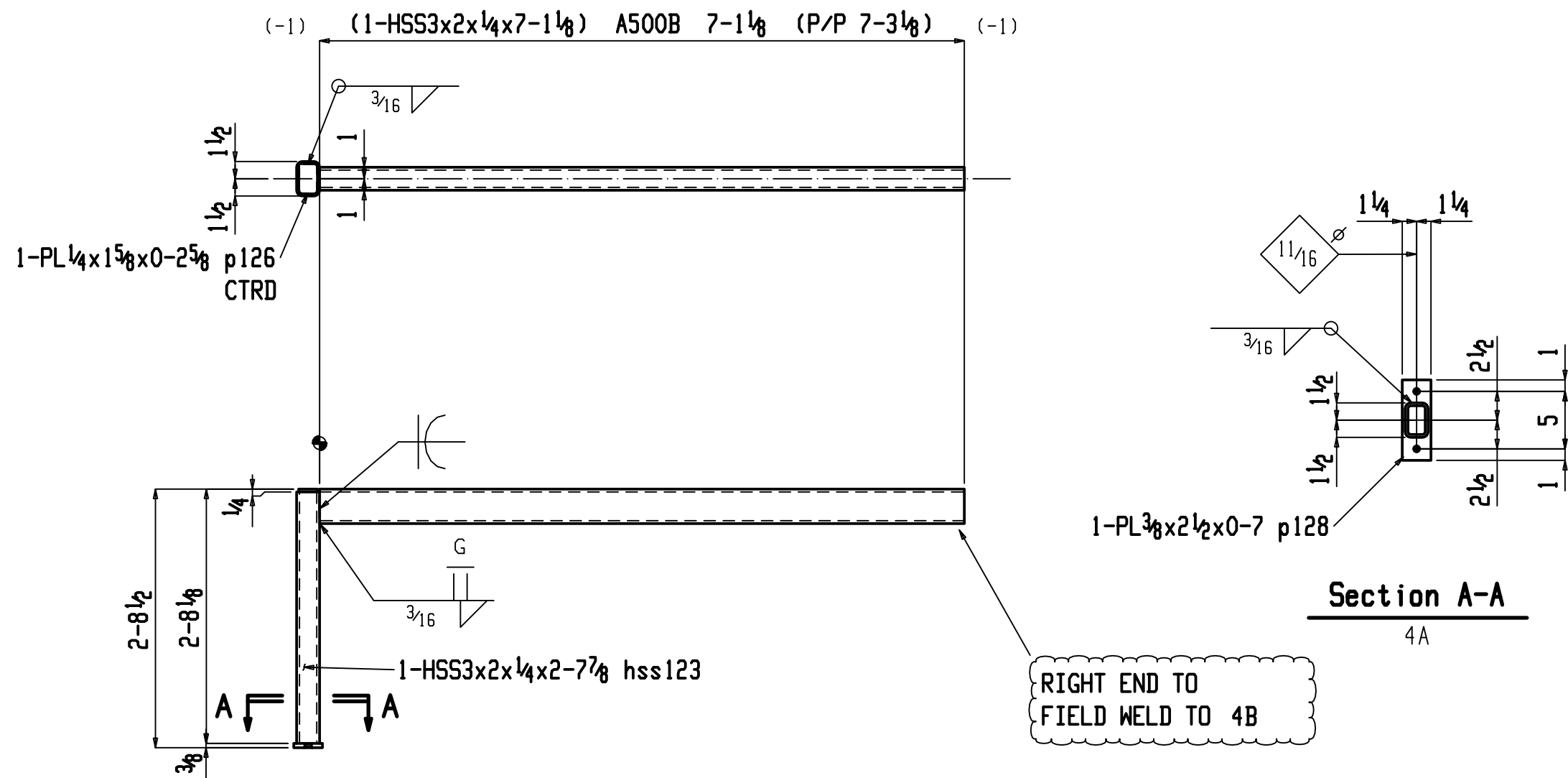
Dwn: KRT Date: 09-12-16 Ckd: BD Date: 9-19-16

Job No. A16013M DWG#: 2



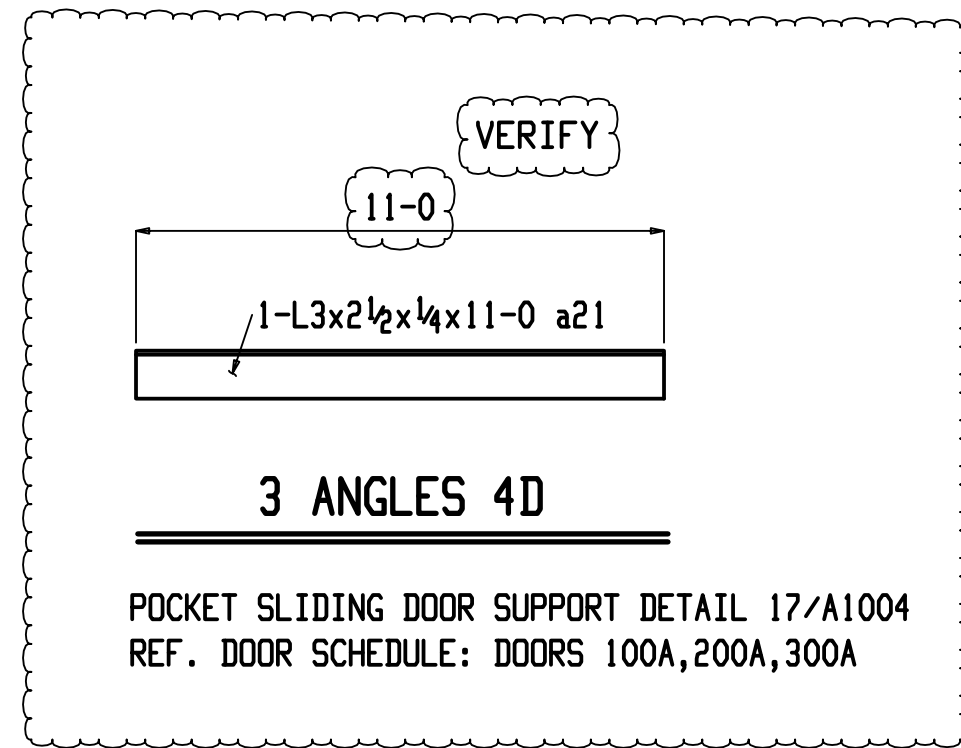
9-19-16: FOR APPROVAL		ATLAS IRONWORKS	
Sequence: -	Ref. E-Plans: SEE BOM	Project: WEBSTER UNIVERSITY	
Material: ASTM A36 U.N.O.	Edge Dist.: 1 1/4" U.N.O.	Customer: PARIC	
Holes: 13/16" UNO	Bolts: NOTED	Owner: WEBSTER UNIVERSITY	
Cleaning: NONE		Location: WEBSTER GROVES, MO.	
Paint: NONE		Dwn: KRT Date: 09-12-16 Ckd: BD Date: 9-19-16	
		Job No. A16013M DWG#: 3	

BILL OF MATERIAL					
QTY	QTY	PC	DESCRIPTION	LENGTH	REMARKS
TOTAL	UNIT	MARK			
ONE	3A		LADDER		
2	2	p158	PL 1/2x2 1/2	8 11 5/8	A36
2	2	p122	PL 1/2x2 1/2	0 5 1/4	A36
1	1	p155	PL 1/4x4	2 5	A36
9	9	rb4	RB 1/4	1 4 1/4	A36
			FIELD BOLTS		
2	2		1/2 DIA LAG SCREW	0 5	
ONE	3B		LADDER		
2	2	p158	PL 1/2x2 1/2	8 11 5/8	A36
2	2	p156	PL 1/2x2 1/2	0 8 7/8	A36
1	1	p155	PL 1/4x4	2 5	A36
9	9	rb4	RB 1/4	1 4 1/4	A36
			FIELD BOLTS		
2	2		1/2 DIA LAG SCREW	0 5	
2	3D		PLATE		
2	1	3D	PL 3/8x16	1 10	A36
			FIELD BOLTS		
8	4		1/2 DIA EXP ANCH	0 5	
2	3E		PLATE		
2	1	3E	PL 1/4x15 1/4	1 3 1/4	A36
2	3F		BENT PLATE		
2	1	3F	PL 3/8x9 5/8	1 4	BENT A36
			FIELD BOLTS		
4	2		1/2 DIA EXP ANCH	0 5	
47	3G		PLATE		
47	1	3G	PL 3/8x10	1 10	A36
			FIELD BOLTS		
188	4		5/8 DIA EXP ANCH	0 3	
94	3H		ANGLE		
94	1	3H	L4x4x3/8	0 8	A36
94	3K		ANGLE		
94	1	3K	L4x4x3/8	1 3	A36
			FIELD BOLTS		
188	2		5/8 DIA EXP ANCH	0 3	
8	3M		ANGLE		Galv
8	1	3M	L6x4x3/8	0 2 1/2	A36
			FIELD BOLTS		
8	1		1/2 DIA EXP ANCH	0 5	



4 FRAMES 4A

LAVATORY SUPPORT (REF. 6/A0901)
MENS ROOMS 179,279,379,479

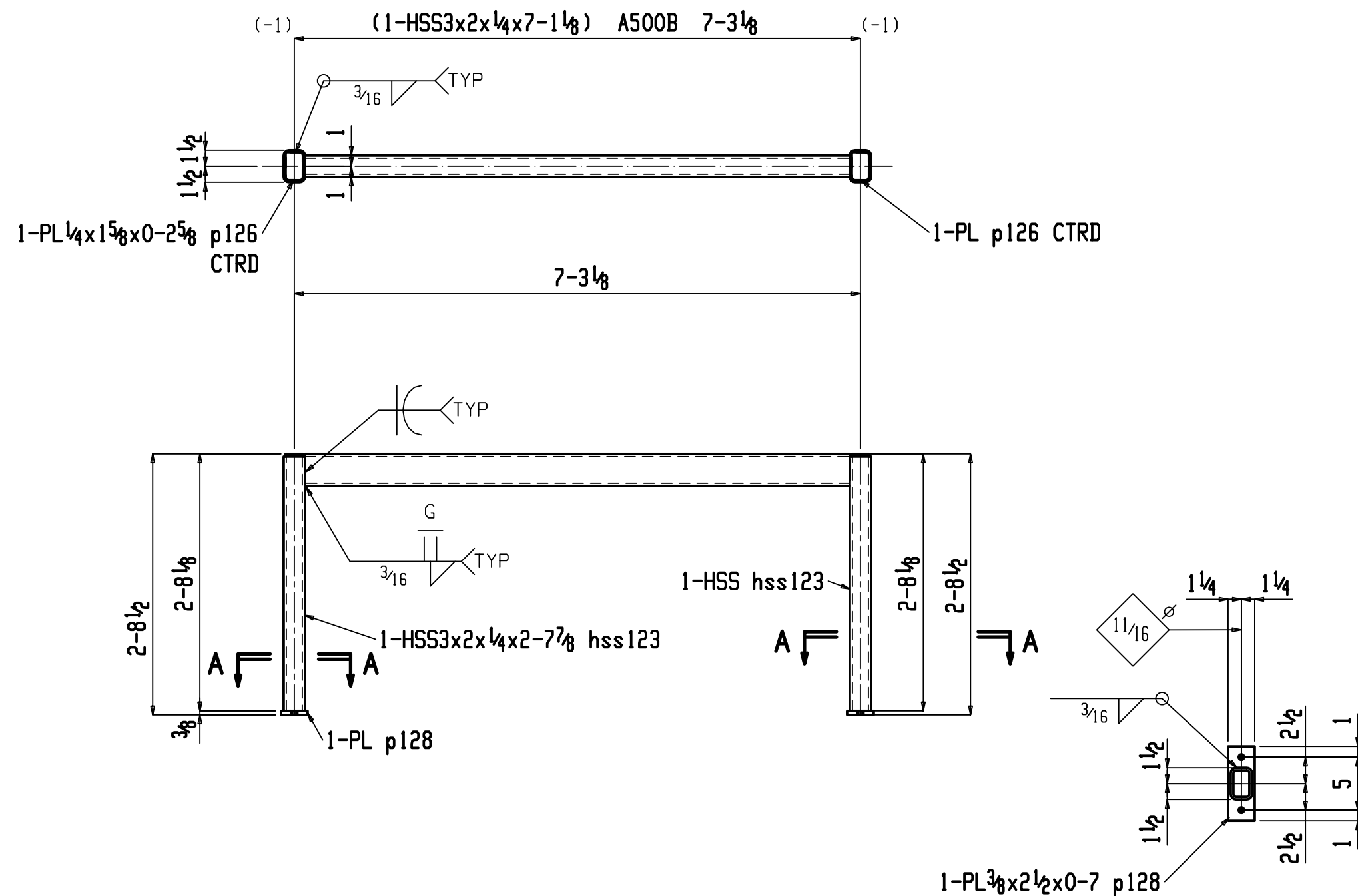


3 ANGLES 4D

POCKET SLIDING DOOR SUPPORT DETAIL 17/A1004
REF. DOOR SCHEDULE: DOORS 100A,200A,300A

HOLD

GENERAL
CONTRACTOR TO
COORDINATE



4 FRAMES 4B

LAVATORY SUPPORT (REF. 6/A0901)
WOMENS ROOMS 177,277,377,477

Section A-A
4B

BILL OF MATERIAL

QTY	QTY	PC	MARK	DESCRIPTION	LENGTH	REMARKS
4	4A			FRAME		
4	1	4A		HSS3x2x1/4	7	1 1/8 A500B
4	1	hss123		HSS3x2x1/4	2	7 1/8 A500B
4	1	p128		PL 3/8x2 1/2	0	7 A36
4	1	p126		PL 1/4x1 1/2	0	2 5/8 A36
				FIELD BOLTS		
8	2			5/8 DIA EXP ANCH	0	5
4	4B			FRAME		
4	1	4B		HSS3x2x1/4	7	1 1/8 A500B
8	2	hss123		HSS3x2x1/4	2	7 1/8 A500B
8	2	p128		PL 3/8x2 1/2	0	7 A36
8	2	p126		PL 1/4x1 1/2	0	2 5/8 A36
				FIELD BOLTS		
16	4			5/8 DIA EXP ANCH	0	5
3	4D			ANGLE		
3	1	4D		L3x2 1/2x1/4	11	0 A36

△	9-19-16: FOR APPROVAL
Sequence: -	Ref. E-Plans: SEE BOM
Material: ASTM A36 U.N.O.	Edge Dist.: 1 1/4" U.N.O.
Holes: 13/16" UNO	Bolts: NOTED
Cleaning: NONE	
Paint: NONE	

SURFACE PREP AS
REQUIRED FOR PAINT

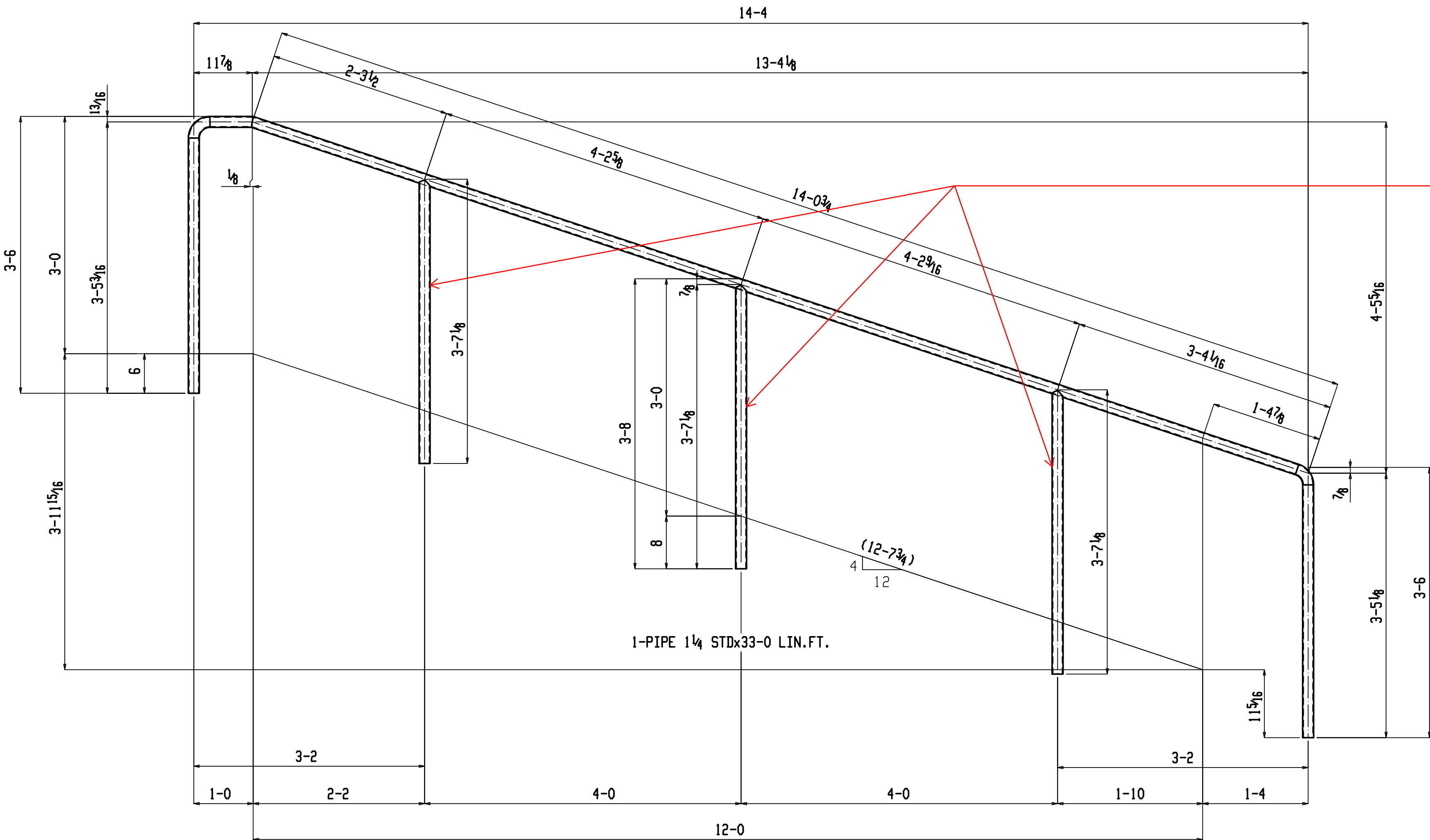
PAINTED

VERIFY



Project: WEBSTER UNIVERSITY
Customer: PARIC
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GROVES, MD.
Dwn: KRT Date: 09-12-16 Ckd: BD Date: 9-19-16
Job No. A16013M DWG#: 4

BILL OF MATERIAL						
QTY	QTY	PC			LENGTH	REMARKS
TOTAL	UNIT	MARK	DESCRIPTION			
ONE		SA	HANDRAIL			E1 GALVANIZE
1	1	SA	PIPE 1 1/4 STD		33 0	LIN.FT. A53

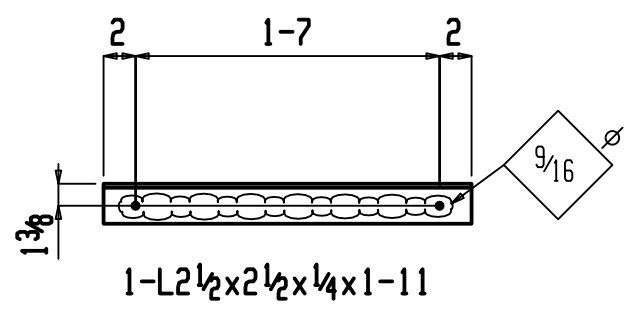


ONE HANDRAIL 5A
GALVANIZE

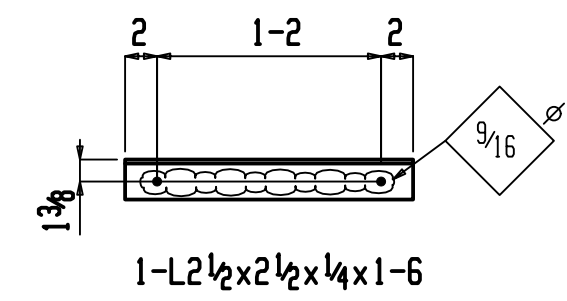
PER SPECIFICATIONS

VERIFY

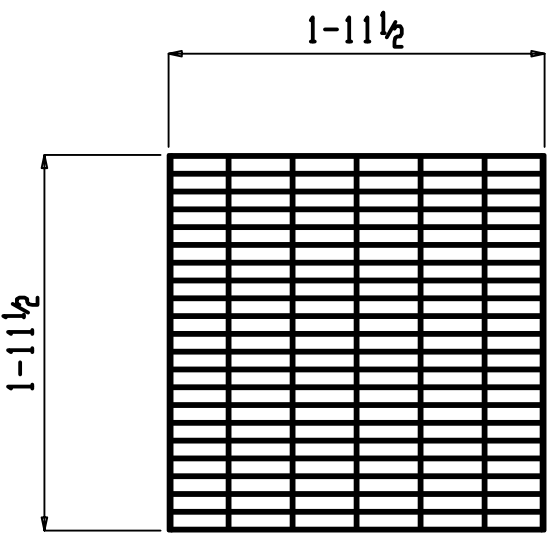
9-19-16: FOR APPROVAL	
Sequence: -	Ref. E-Plans: SEE BOM
Material: ASTM A36 U.N.O.	Edge Dist.: 1 1/4" U.N.O.
Holes: 13/16" UNO	Bolts: NOTED
Cleaning: NONE	
Paint: 1.5 mils powder coating	
Project: WEBSTER UNIVERSITY	
Customer: PARIC	
Owner: WEBSTER UNIVERSITY	
Location: WEBSTER GROVES, MD.	
Dwn: KRT	Date: 09-12-16
Ckd: BD	Date: 9-19-16
Job No. A16013M	DWG#: 5



4 ANGLES 6A



4 ANGLES 6B



1-GR1x23 1/2x1-11 1/2

2 GRATINGS 6D

BILL OF MATERIAL					
QTY	QTY	PC	DESCRIPTION	LENGTH	
TOTAL	UNIT	MARK			REMARKS
4		6A	ANGLE		E1
4	1	6A	L2 1/2x2 1/2x1/4	1	11
			FIELD BOLTS		
8	2		1/2 DIA EXP ANCH	0	5
4		6B	ANGLE		E1
4	1	6B	L2 1/2x2 1/2x1/4	1	6
			FIELD BOLTS		
8	2		1/2 DIA EXP ANCH	0	5
2		6D	GRATING		E1
2	1	6D	GR1x1/2x23 1/2	1	11 1/2



9-19-16: FOR APPROVAL

Sequence: - Ref. E-Plans: SEE BOM
Material: ASTM A36 U.N.O. Edge Dist.: 1 1/4" U.N.O.
Holes: 13/16" UNO Bolts: NOTED
Cleaning: NONE
Paint: GALVANIZE



Project: WEBSTER UNIVERSITY
Customer: PARIC
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GROVES, MO.
Dwn: KRT Date: 09-12-16 Ckd: BD Date: 9-19-16
Job No. A16013M DWG#: 6