



150 Tyler Street
St. Louis, MO 63102 314-382-9855

Ambassador Steel Fabrication LLC

TRANSMITTAL

No.: DT011183

Date: 10/27/16

Sell To: K10553

K C I Construction
10315 Lake Bluff Drive
St Louis, MO 63123
USA

Job No.: 00916023

Webster ISB Phase 1
8274 Big Bend
Webster Groves, MO 63119

Shipping Method: EMAIL

Dwg. Sheet No.	Description \ Comments	Revision No.	Copies	Reason for Sending
RRG001	Rain Garden Site Walls-Plan View		1	For Approval
RRG002	Rain Garden Site Walls-Sections & Details		1	For Approval
RSS001	South Site Walls & Stairs-Plan View		1	For Approval
RSS002	South Site Walls & Stairs-Sections & Details		1	For Approval
RSS003	South Site Walls & Stairs-Sections & Details		1	For Approval
RSS004	South Site Walls & Stairs-Sections & Details		1	For Approval

Prepared By: Byron Edrington
Phone: (314) 382-9855 Email: bedrington@harrisrebar.com



RAIN GARDEN SITE WALLS PLAN
SCALE: 1/4"=1'-0"

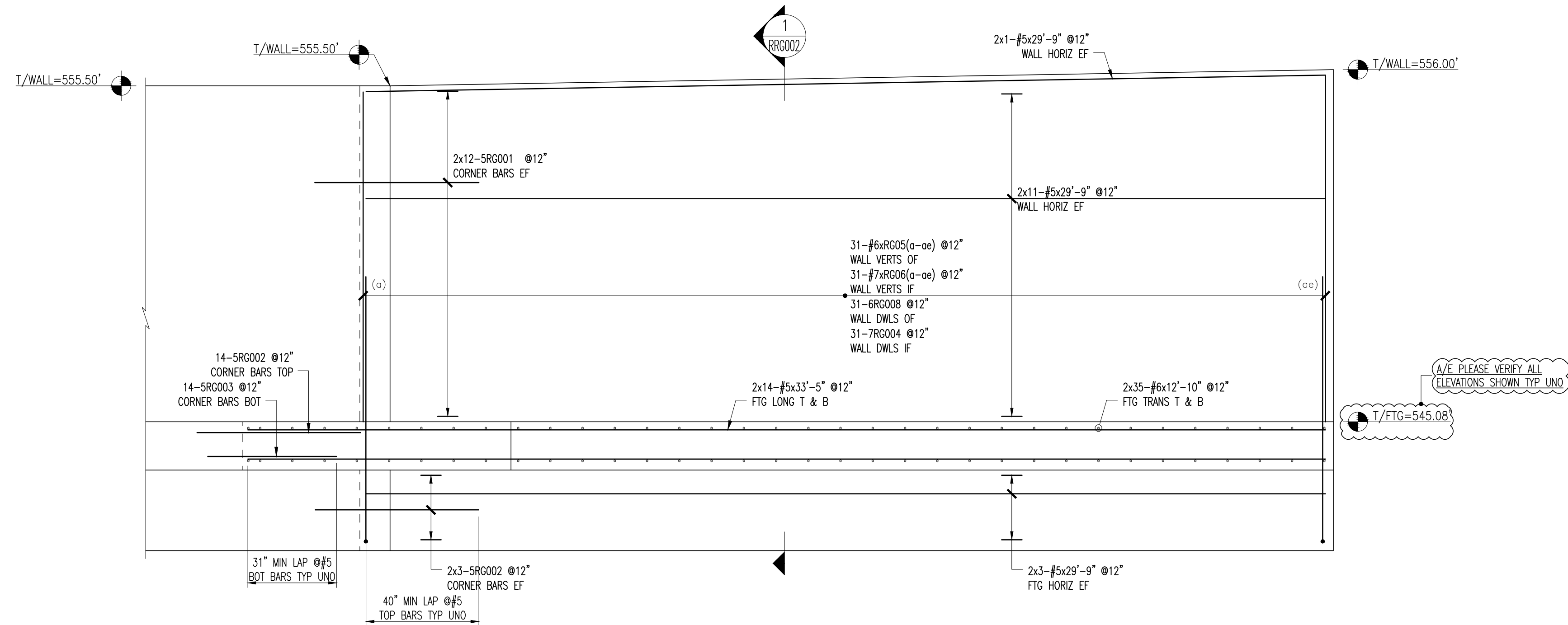
BENDING DETAILS												
Bar Mark	Size	Total Length	Type	X	Y	Z	W	V	U	T	S	R
500003	#6	5'-6"	3		2'-9"	2'-9"				2'-6"	1'-3"	5'-11"
500002	#6	7'-0"	3		5'-4"	5'-4"				5'-2"	1'-4"	5'-9"
500001	#6	7'-1"	3		5'-6"	5'-6"				5'-2"	1'-4"	5'-9"
700004	#7	8'-1"	1	0'-10"	6'-3"					0'-3"		
400008	#6	7'-6"	1	0'-5"	6'-10"					0'-3"		
400007	#6	5'-4"	25	1'-4"	0'-10"	0'-8"	0'-10"	1'-4"		0'-10"	0'-6"	0'-5"
900006	#6	10'-3"		10'-3"								
900009	#6	10'-9"		10'-9"								
First and Last Bar in Wall Group Shown Only												
900006	#7	10'-3"		10'-3"								
900009	#7	10'-9"		10'-9"								
First and Last Bar in Wall Group Shown Only												

LAP CHART-U.N.O.												
#11												
#10												
#9												
#8												
#7												
#6												
#5												
#4												
#3												
★ TOP BARS ★ OTHER BARS												
★ Top bars are horiz. bars with more than 12" of concrete cast below the bars.												

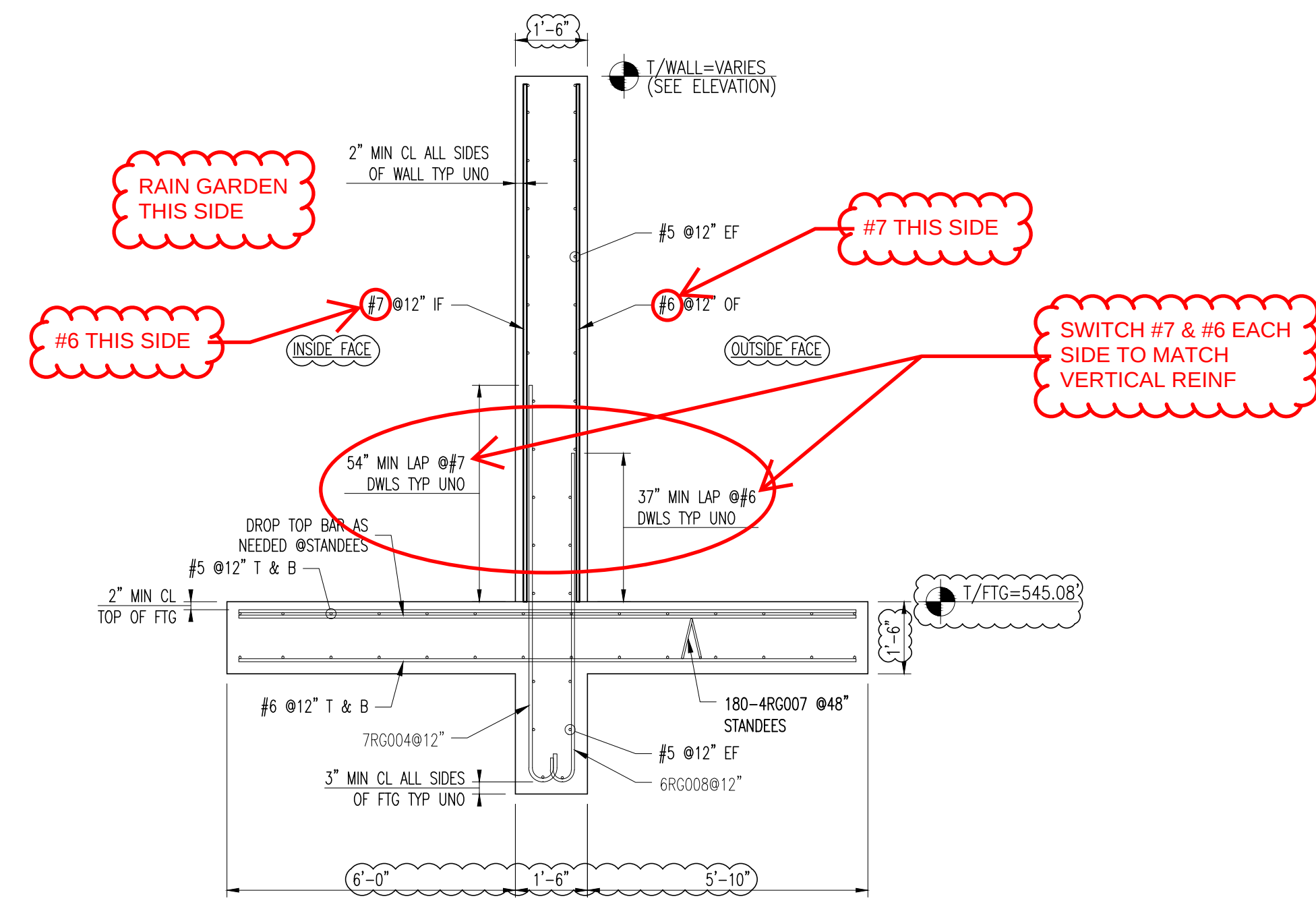
ALL MATERIAL ON THIS DRAWING
SHALL BE ASTM A615 GRADE 60
U.N.O.

FOR THE BENDING DETAILS ON
THIS SHEET, REFER TO
DRAWING: RRG001

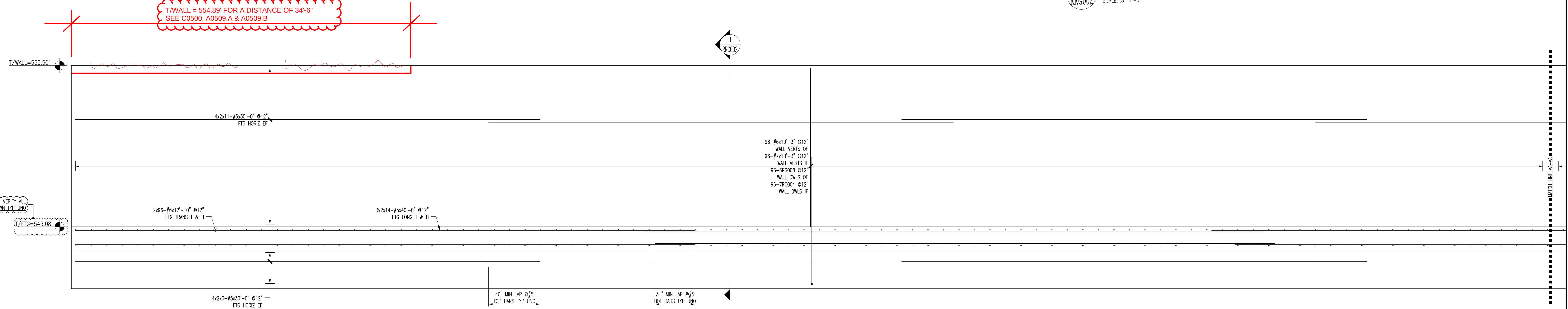
No.	Description	Date	By
0	FOR APPROVAL	10-24-16	BJE
Revisions and Issue Record			
The full intent and purpose of this drawing is the placing of reinforcing steel bars ONLY. It is NOT to be used as a means of communication between the Architect, Engineer, Contractor or any other Sub-trades.			
THIS DRAWING IS NOT TO BE SCALED.			
ST. LOUIS, MO.			
HarrisRebar National Strength. Local Service. PHONE: 314-382-2855 FAX: 314-382-1711			
Project: WEBSTER ISB PHASE 1			
Drawing: RAIN GARDEN SITE WALLS- PLAN VIEW			
Customer: K C I Construction			
Engineer: CANNON DESIGN			
Date 10-24-16	Drawn BJE	Chkd.	JOB No. 00916023
			Dwg. No. RRG001



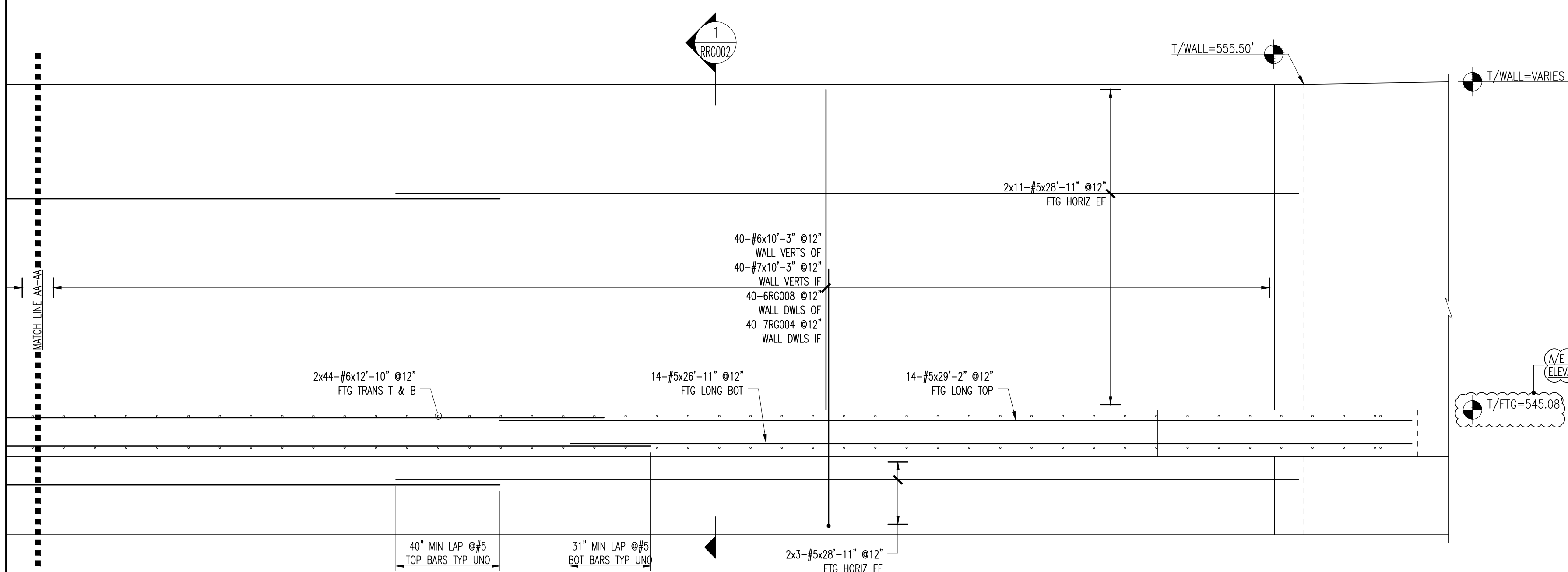
E1 ELEVATION
SCALE: 3/8"=1'-0"



1 SECTION
SCALE: 3/8"=1'-0"



E2 ELEVATION
SCALE: 3/8"=1'-0"



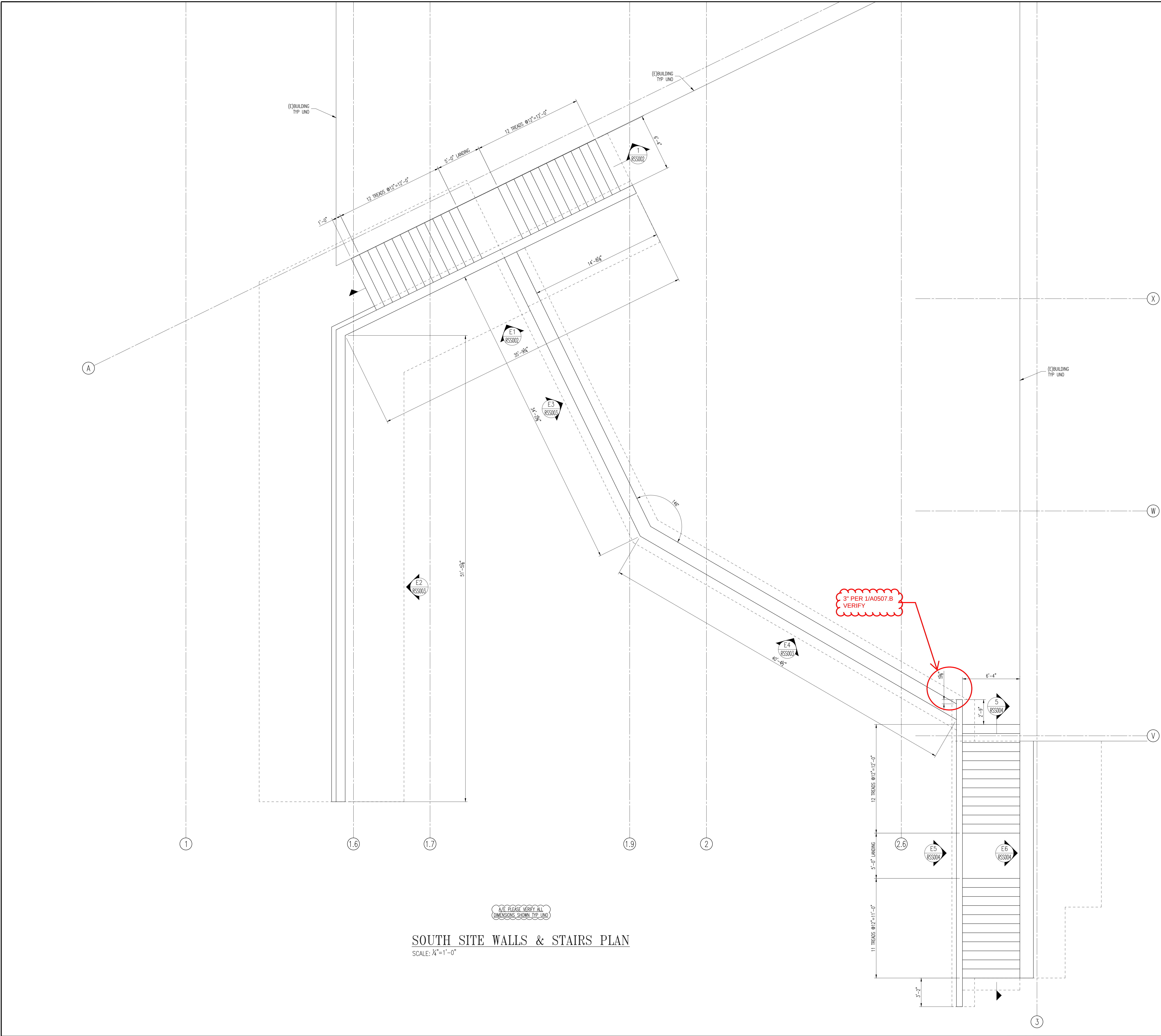
E2 ELEVATION
SCALE: 3/8"=1'-0"

LAP CHART-U.N.O.	
#11	
#10	
#9	
#8	
#7	
#6	
#5	
#4	
#3	
SIZE TOP BARS ★ OTHER BARS	
★ Top bars are horiz. bars with more than 12' of concrete cast below the bars.	

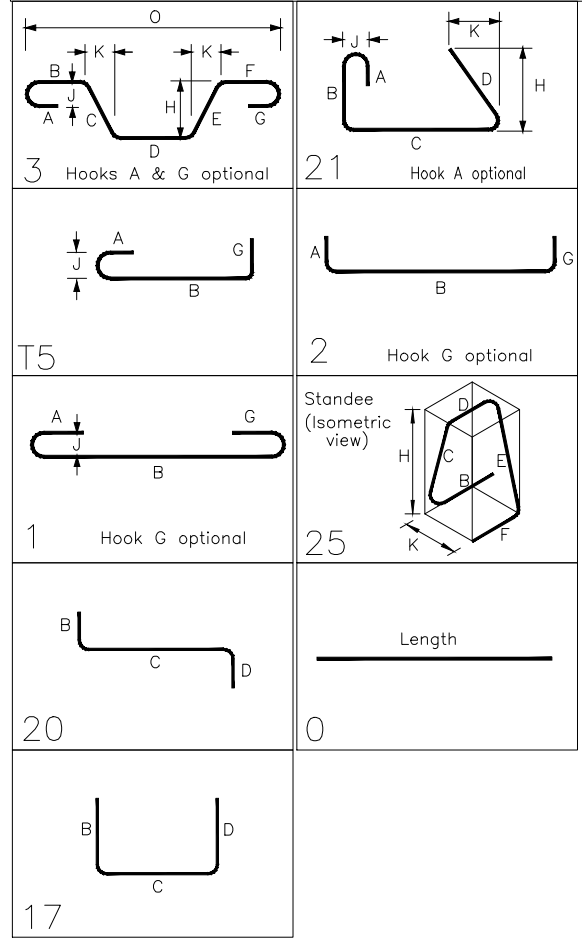
ALL MATERIAL ON THIS DRAWING
SHALL BE ASTM A615 GRADE 60
U.N.O.

FOR THE BENDING DETAILS ON
THIS SHEET, REFER TO
DRAWING: RRG001

Revisions and Issue Record			
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ST. LOUIS, MO.			
HarrisRebar National Strength. Local Service. PHONE: 314-382-9855 FAX: 314-382-1711			
Project: WEBSTER ISB PHASE 1			
Drawing: RAIN GARDEN SITE WALLS- SECTIONS & DETAILS			
Customer: K C I Construction			
Engineer: CANNON DESIGN			
Date 10-24-16	Drawn BJE	Chkd. BJE	JOB No. 00916023
			Dwg. No. RRG002



BENDING DETAILS														
Bar Mark	Size	Total Length	Type	X	Y	Z	W	V	U	T	S	R	Q	P
455001	#4	9'-5"	3		7'-2"	2'-3"								
455002	#4	13'-9"	3		7'-2"	5'-11"								
455003	#4	10'-5"	3		7'-11"	2'-3"								
455004	#4	5'-11"	21		7'-10"	2'-0"								
755005	#7	10'-1"	1		0'-10"	9'-5"								
455006	#6	6'-4"	1		0'-4"	5'-10"								
455007	#4	5'-4"	25		1'-4"	0'-10"	0'-4"	0'-10"	1'-4"					
555008a	#6	7'-4"	1		0'-4"	6'-10"								
555008b	#6	6'-4"	1		0'-4"	7'-10"								
First and Last Bar in Wavy Group Shown Only														
555009a	#7	5'-3"	1		0'-10"	4'-4"								
555009b	#7	10'-4"	1		0'-10"	9'-2"								
First and Last Bar in Wavy Group Shown Only														
755012	#7	10'-7"	1		0'-10"	9'-8"								
455013	#6	11'-5"	15		0'-4"	9'-8"								
455018	#6	10'-10"	2		1'-0"	9'-10"								
455019	#4	5'-4"	25		1'-4"	0'-10"	0'-4"	0'-10"	1'-4"					
555020	#6	12'-5"	3		6'-11"	2'-8"	2'-4"							
555021	#6	14'-7"	3		5'-8"	6'-11"	3'-1"							
555022	#6	7'-4"	3		5'-8"	3'-4"								
555023	#6	12'-4"	3		2'-0"	6'-11"	2'-4"							
555024	#6	10'-4"	20		5'-10"	2'-1"	3'-4"							
555025	#5	5'-4"	3		2'-9"	2'-4"								
555026a	#6	9'-4"			0'-4"									
555026b	#6	13'-4"			15'-4"									
First and Last Bar in Wavy Group Shown Only														
555027a	#5	5'-4"			5'-4"									
555027b	#5	8'-4"			9'-4"									
First and Last Bar in Wavy Group Shown Only														
555028a	#6	23'-0"			23'-0"									
555028b	#6	28'-5"			28'-5"									
First and Last Bar in Wavy Group Shown Only														
555029a	#6	6'-4"			6'-4"									
555029b	#6	17'-7"			17'-7"									
First and Last Bar in Wavy Group Shown Only														
555031	#6	18'-4"	3		14'-11"	3'-4"								
555032	#6	21'-4"	3		3'-4"	14'-8"	3'-4"							
555036a	#7	7'-4"	1		0'-10"	6'-10"								
555036b	#7	6'-4"	1		0'-10"	7'-10"								
First and Last Bar in Wavy Group Shown Only														
555037a	#6	8'-7"	15		0'-4"	4'-4"								
555037b	#6	10'-7"	15		0'-4"	9'-2"								
First and Last Bar in Wavy Group Shown Only														
555040a	#7	10'-1"	1		0'-10"	9'-5"								
555040b	#7	10'-1"	1		0'-10"	9'-4"								
First and Last Bar in Wavy Group Shown Only														
555050a	#6	10'-11"	15		0'-4"	9'-5"								
555050b	#6	11'-5"	15		0'-4"	9'-7"								
555050c	#6	18'-1"	15		0'-4"	14'-5"								
First and Last Bar in Wavy Group Shown Only														
555060a	#6	6'-7"			6'-7"									
555060b	#6	13'-0"			13'-0"									
First and Last Bar in Wavy Group Shown Only														
555063	#6	4'-4"	2		0'-10"	3'-4"								
555064	#6	6'-4"	17		2'-4"	4'-4"								
455065	#4	6'-4"	3		2'-4"	4'-4"								
555066	#5	5'-4"	3		2'-4"	2'-9"								
455067	#4	5'-4"	3		2'-10"	2'-10"								
455068	#4	9'-1"	3		0'-5"	2'-10"								
555069	#6	6'-5"	3		3'-4"	2'-9"								
455070	#4	9'-4"	3		7'-5"	2'-3"								
455071	#4	13'-5"	3		7'-5"	5'-11"								
455072	#4	8'-10"	3		2'-1"	2'-3"								
455073	#4	9'-5"	21		7'-4"	2'-1"								
755074	#7	8'-7"	1		0'-10"	7'-0"								
555075	#6	8'-4"	1		0'-7"	7'-0"								
555076	#6	5'-5"	3		4'-9"	1'-2"								
555077	#6	12'-5"	3		9'-5"	2'-4"								
555078	#6	19'-1"	3		7'-0"	8'-8"	2'-4"							
555079	#6	7'-5"	2		0'-10"	6'-5"								
555080	#6	11'-5"	20		3'-4"	4'-4"	3'-4"							
555081	#6	15'-5"	20		3'-4"	4'-4"	7'-3"							
555082	#6	4'-5"	2		0'-10"	3'-4"								
555083	#6	5'-4"	2		0'-10"	4'-11"								
First and Last Bar in Wavy Group Shown Only														
555084	#6	6'-7"	1		0'-10"	5'-8"								
555085	#6	9'-1"	2		0'-10"	8'-5"								
First and Last Bar in Wavy Group Shown Only														
555086	#6	8'-2"	2		0'-10"	6'-5"								
555087	#6	8'-2"	2		0'-10"	7'-4"								
First and Last Bar in Wavy Group Shown Only														
555088	#6	8'-2"	2		0'-10"	7'-4"								
555089	#6	8'-11"	2		0'-10"	8'-1"								
First and Last Bar in Wavy Group Shown Only														
555090	#6	8'-10"	2		0'-10"	8'-4"								
555091	#6	8'-2"	2		0'-10"	7'-4"								
First and Last Bar in Wavy Group Shown Only														
555092a	#7	9'-5"			9'-5"									
555092b	#7	17'-5"			17'-5"									
First and Last Bar in Wavy Group Shown Only														
555093	#6	9'-4"	3		3'-4"	2'-4"	3'-4"							
555094	#6	18'-1"	3		6'-4"	7'-11"	6'-4"							
555095	#6	19'-1"	3		12'-8"	7'-0"								
555096	#6	10'-1"	1		0'-4"	9'-5"								
555097	#6	13'-10"	1		0'-4"	13'-2"								
First and Last Bar in Wavy Group Shown Only														
555098a	#6	14'-10"	1		0'-10"	14'-0"								
555098b	#6	16'-4"	1		0'-10"	15'-11"								
First and Last Bar in Wavy Group Shown Only														
555099a	#6	20'-4"	1		0'-10"	19'-10"								
555099b	#6	20'-11"	1		0'-10"	20'-1"								
First and Last Bar in Wavy Group Shown Only														
555100a	#7	20'-4"	1		0'-10"	19'-10"								
555100b	#7	20'-11"	1		0'-10"	20'-1"								
First and Last Bar in Wavy Group Shown Only														
555101a	#6	2'-11"			2'-11"									
555101b	#6	17'-5"			17'-5"									
First and Last Bar in Wavy Group Shown Only														
555102a	#6	10'-1"	1		0'-4"	9'-5"								
555102b	#6	13'-10"	1		0'-4"	13'-2"								
First and Last Bar in Wavy Group Shown Only														





0	FOR APPROVAL		
No.	Description	Date	By
Revisions and Issue Record			
The full intent and purpose of this drawing is the placing of reinforcing steel bars ONLY. It is NOT to be used as a means of communication between the Architect, Engineer, Contractor or any other Sub-trades.			
THIS DRAWING IS NOT TO BE SCALED.			
		ST. LOUIS, MO.	
National Strength. Local Service.		DETAILD AT: ST. LOUIS, MO. PHONE: 314-382-0858 FAX: 314-382-1771	
Project: WEBSTER ISB PHASE 1			
Drawing: SOUTH SITE WALLS & STAIRS- SECTIONS & DETAILS			
Customer: K C I Construction			
Engineer: CANNON DESIGN			
Date	Drawn	Chkd.	JOB NO.
10-24-16	BJE		00916023
			Dwg. No.
			RSS002

554.17' PER
1/A0508.B

PROVIDE SECTION
2/RSS002 ALONG
THIS WALL

T/FTG CAN BE
MOVED UP TO
546'-0" IF STEP IN
FOOTING IS ADDED

VERIFY FOOTING WILL NOT
STEP AS THE GRADE
SLOPES UP TO THE SOUTH

E2
ELEVATION
SCALE: 3/8"=1'-0"

E3
ELEVATION
SCALE: 3/8"=1'-0"

4
SECTION
SCALE: 3/8"=1'-0"

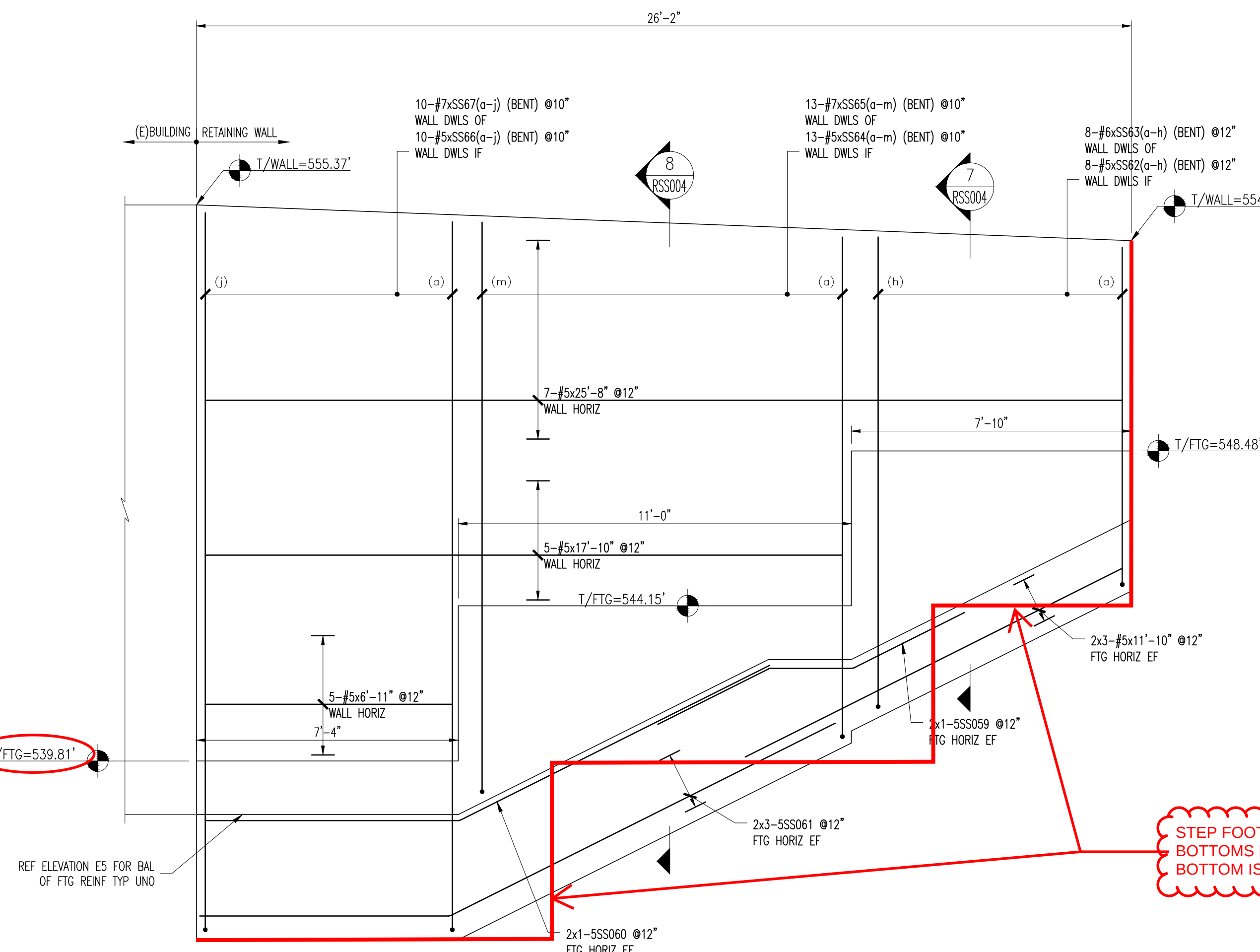
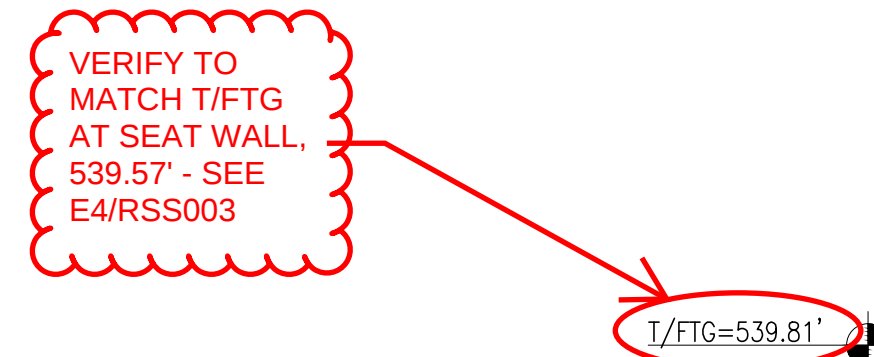
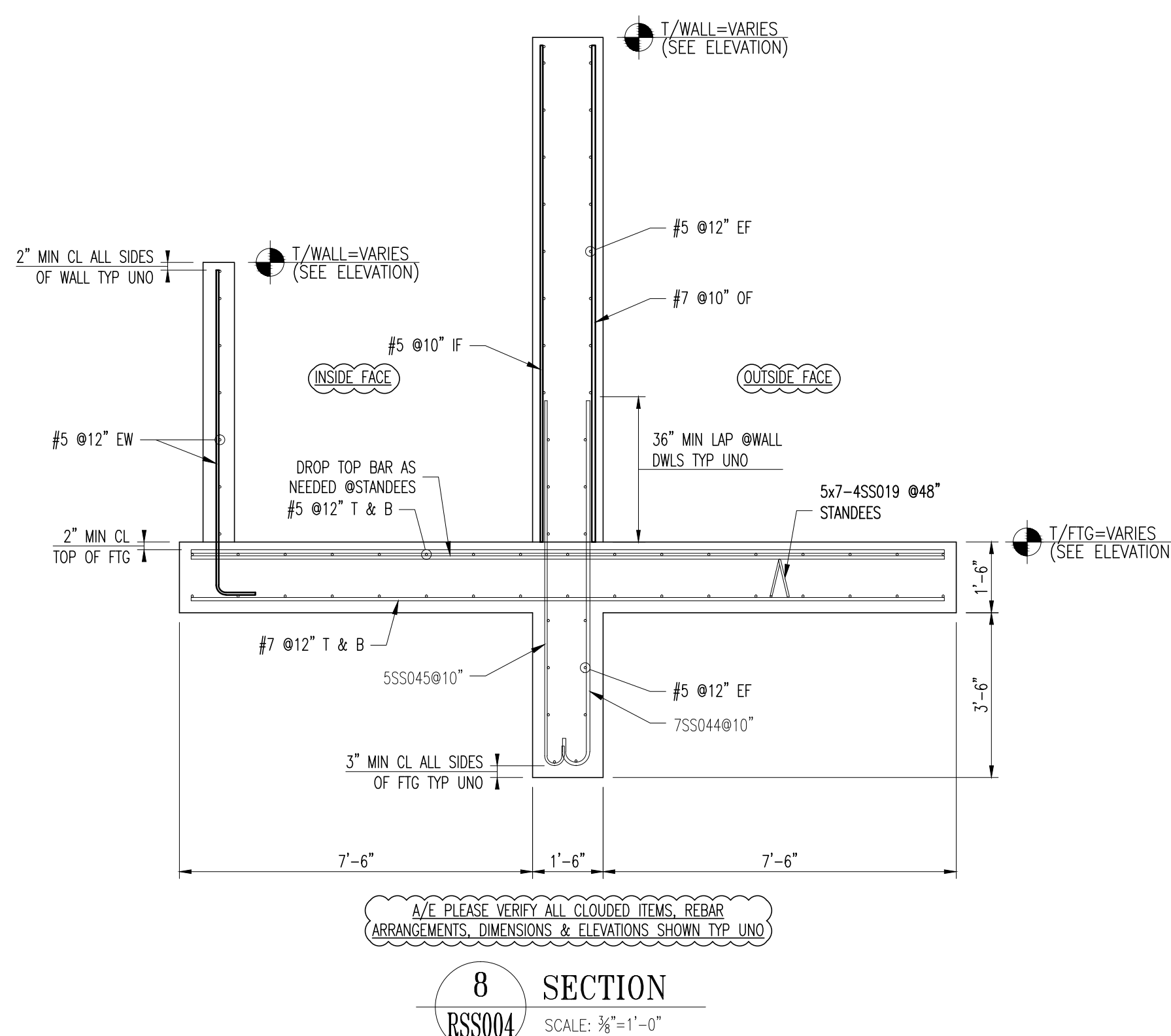
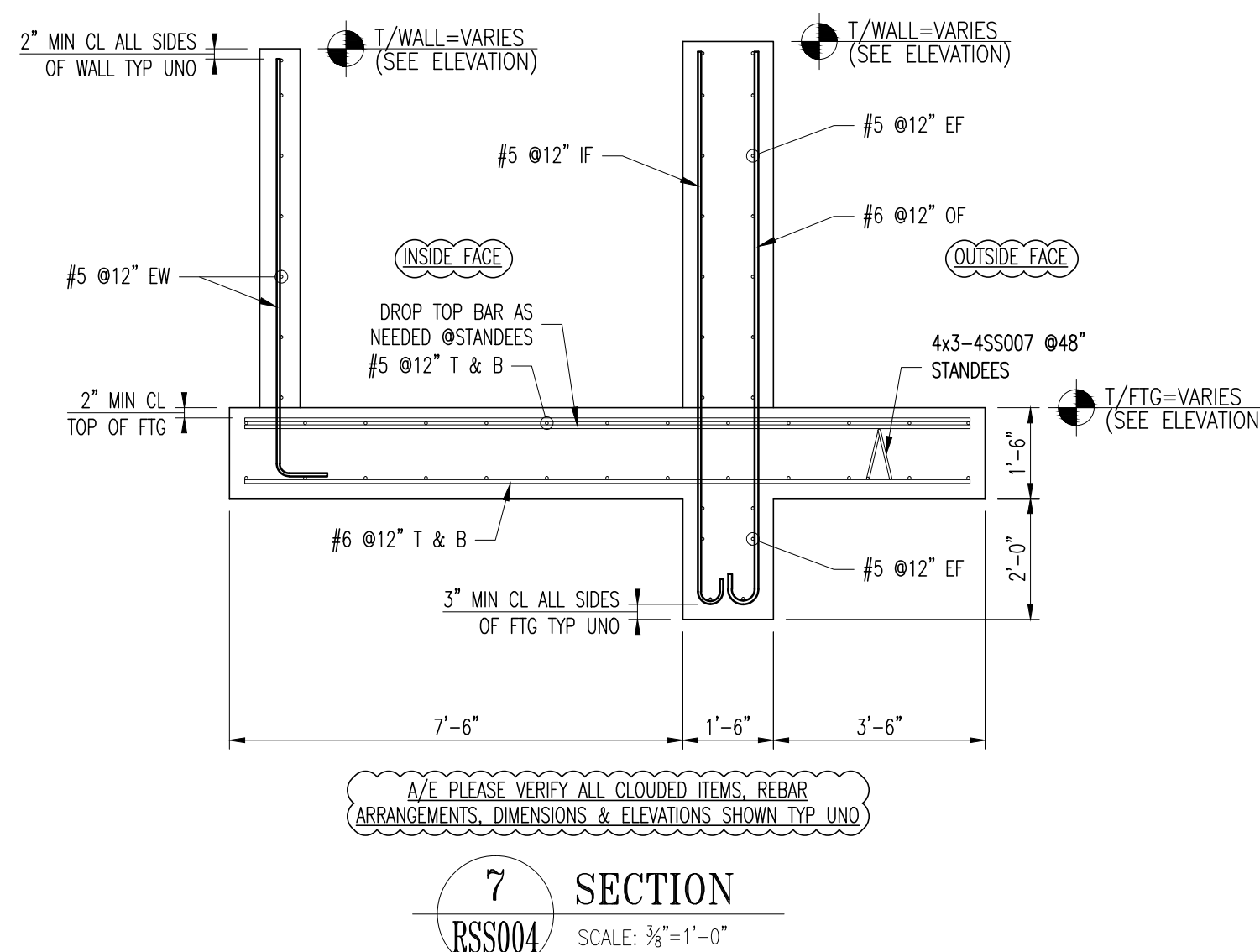
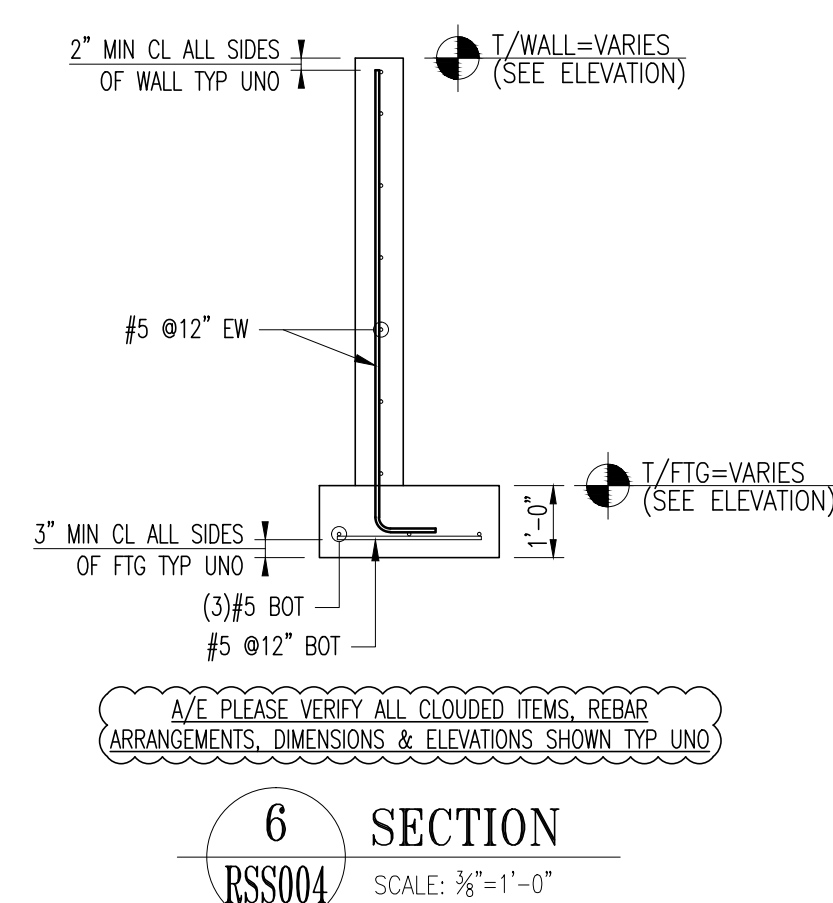
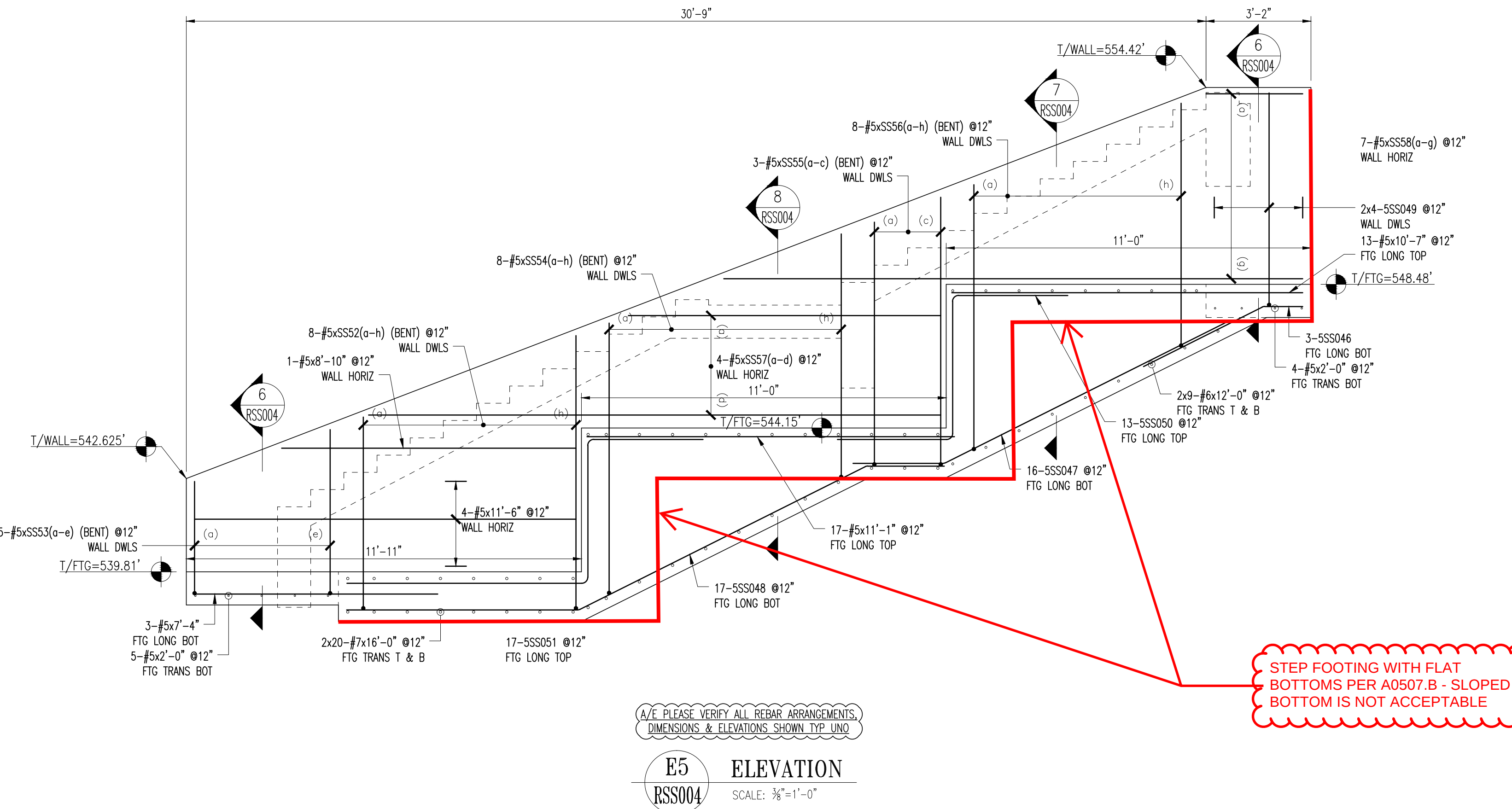
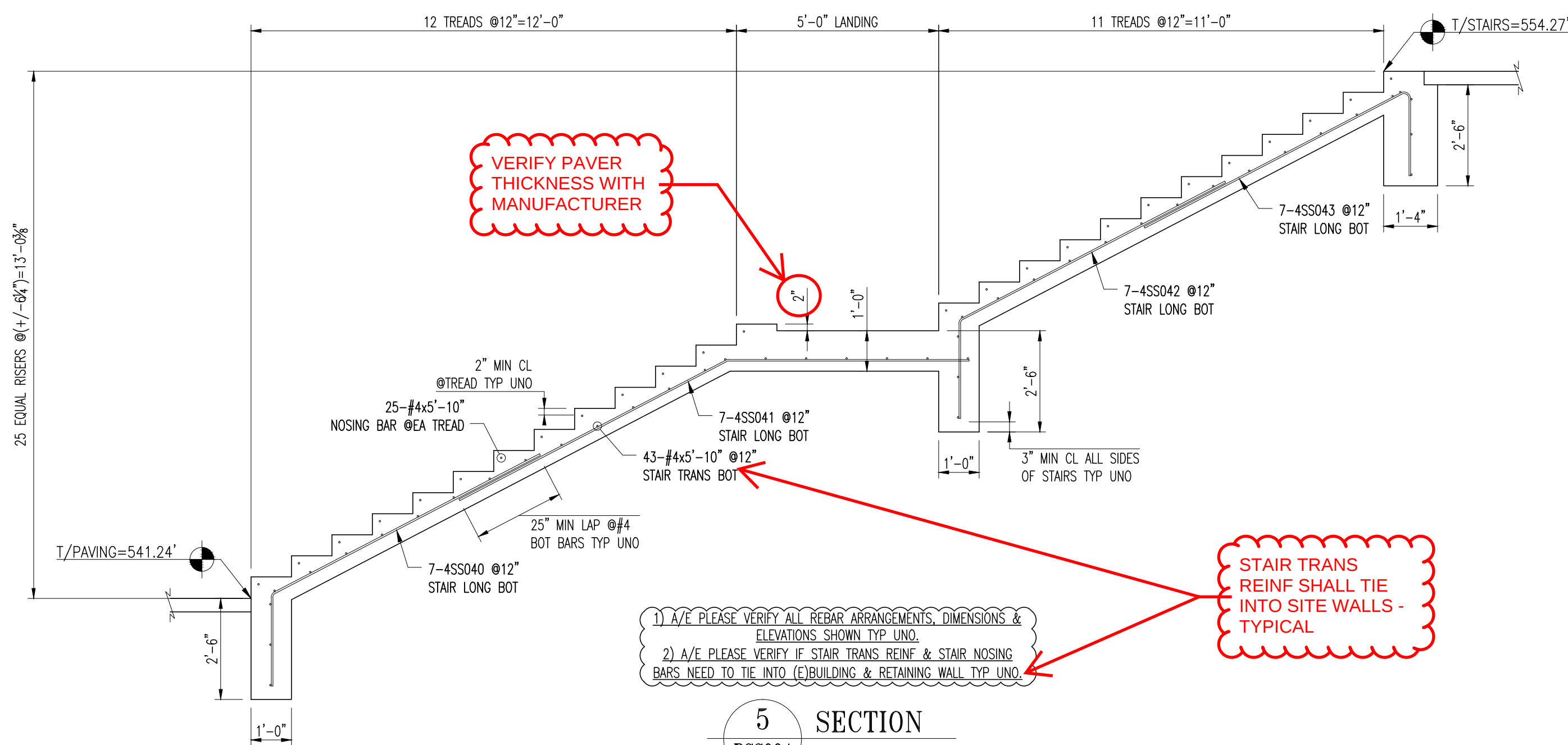
E4
ELEVATION
SCALE: 3/8"=1'-0"

LAP CHART-U.N.O.	
#11	
#10	
#9	
#8	
#7	
#6	
#5	
#4	
#3	
#2	
#1	
SEE PLAN AND DETAILS	
SIZE	TOP BARS ★ OTHER BARS
★ Top bars are horiz. bars with more than 12" of concrete cast below the bars.	

ALL MATERIAL ON THIS DRAWING
SHALL BE ASTM A615 GRADE 60
U.N.O.

FOR THE BENDING DETAILS ON
THIS SHEET, REFER TO
DRAWING: RSS001

No.	Description	Date	By
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ST. LOUIS, MO.			
HarrisRebar National Strength. Local Service. PHONE: 314-382-2855 FAX: 314-382-1711			
Project: WEBSTER ISB PHASE 1			
Drawing: SOUTH SITE WALLS & STAIRS- SECTIONS & DETAILS			
Customer: K C I Construction			
Engineer: CANNON DESIGN			
Date 10-24-16	Drawn BJE	Chkd. BJE	JOB No. 00916023 Dwg. No. RSS003



LAP CHART-U.N.O.	
#	TOP BARS
#11	
#10	
#9	
#8	
#7	
#6	
#5	
#4	
#3	
#2	
#1	

ALL MATERIAL ON THIS DRAWING SHALL BE ASTM A615 GRADE 60 U.N.O.

FOR THE BENDING DETAILS ON THIS SHEET, REFER TO DRAWING: RSS001

Revisions and Issue Record			
No.	Description	Date	By
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HarrisRebar National Strength. Local Service. Project: WEBSTER ISB PHASE 1			
Drawing: SOUTH SITE WALLS & STAIRS- SECTIONS & DETAILS			
Customer: K C I Construction			
Engineer: CANNON DESIGN			
Date	Drawn	Chkd.	JOB No.
10-24-16	BJE		00916023
			Dwg. No.
			RSS004

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
☐ Samples
☐ LEED Submittal
☐ Other
- ☐ Certification / Qualifications
☐ Record Documents
☐ Product Data
- ☐ Coordination Drawing
☐ Calculations
☐ Schedules
☐ O&M Manuals

ITEM BEING SUBMITTED FOR (check only one)

- ☐ Action
☐ Information Only
☐ Record

REMARKS OR DEVIATIONS

COORD SUBMITTAL NUMBERS
 TEMP NUMBER 033000-031
 033000-029 IS FORM LINER SUBMITTAL
 033000-030 IS REMAINING SITE WALLS

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

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: 11.10.2016

REVIEWED BY

DATE

REVIEWED BY

DATE

JILL WALKER / DMA

11/10/2016



SUBMITTAL DATA

WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING WEBSTER GROOVES, MISSOURI

ARCHITECT	CANNON DESIGN
GENERAL CONTRACTOR	PARIC CORPORATION
SUBCONTRACTOR	KCI CONSTRUCTION

ITEM SUBMITTED	REBAR SHOP DRAWINGS – SITE WALLS – SOUTH WALLS AND RAIN GARDEN WALLS
SPEC SECTION	03 30 00 CAST IN PLACE CONCRETE
MANUFACTURER	NA
DATE	10/28/16
SUBMISSION NO.	1

SHOP DRAWING / SUBMITTAL REVIEW

☒ REVIEWED ☐ REVIEWED WITH CHANGES NOTED
☐ REVISE AND RESUBMIT ☐ REJECTED / RESUBMIT

This review is for general information with plans and specifications only. Approvals are subject to subcontractors performance within the confines of the contract documents. Review of dimensions will not serve to relieve the subcontractor of contractual responsibility for any deviation from the contract requirements.

By: Steve Teipe, Project Manager
KCI Construction, Inc.

10315 Lake Bluff Drive
St. Louis, MO 63123

Date:
10/28/2016