

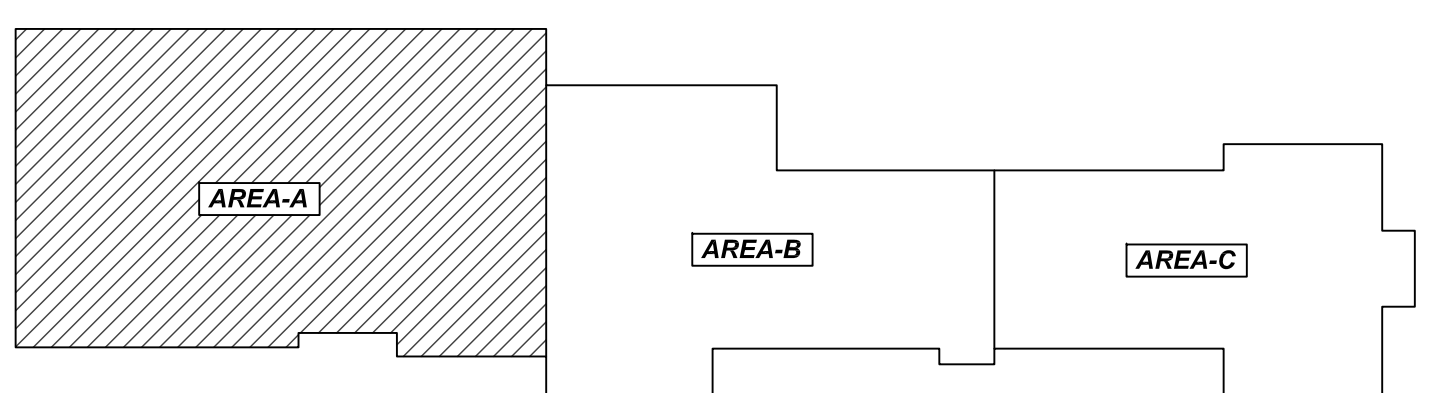
DETAIL-A REFER TO M13

DETAIL-B REFER TO M11

ENG. PLEASE VERIFY FOR 8" & 10" MASONRY WALL, WE FOLLOWED BAR SIZE #5 AS PER GSN S001 NOTE#3 ON CONCRETE MASONRY WALL & SPACING FOLLOWED MIN. SPACING 32" OC AS PER TYP. DETAIL 4/S400.

AREA-A MASONRY WALL LAYOUT

SCALE: 1/8" = 1'-0"
REF: S100 (DT.02/04/2022)



AREA KEY PLAN

SCALE: NTS
REF: S100

NOTICE
SHORTAGES, IMPROPER FABRICATION OR CLAIMS FOR ANY OTHER REASON MUST BE REPORTED TO THIS COMPANY WITHIN 10 DAYS FROM ORIGINAL DELIVERY. THIS COMPANY ALSO RESERVES THE RIGHT TO FIELD INSPECT MATERIALS PRIOR TO REPLACEMENT OR RECONDITIONING OF MATERIALS AND WILL NOT BE LIABLE FOR CHARGES FROM WORK DONE IN THE FIELD WITHOUT PRIOR AUTHORIZATION FROM THIS COMPANY.

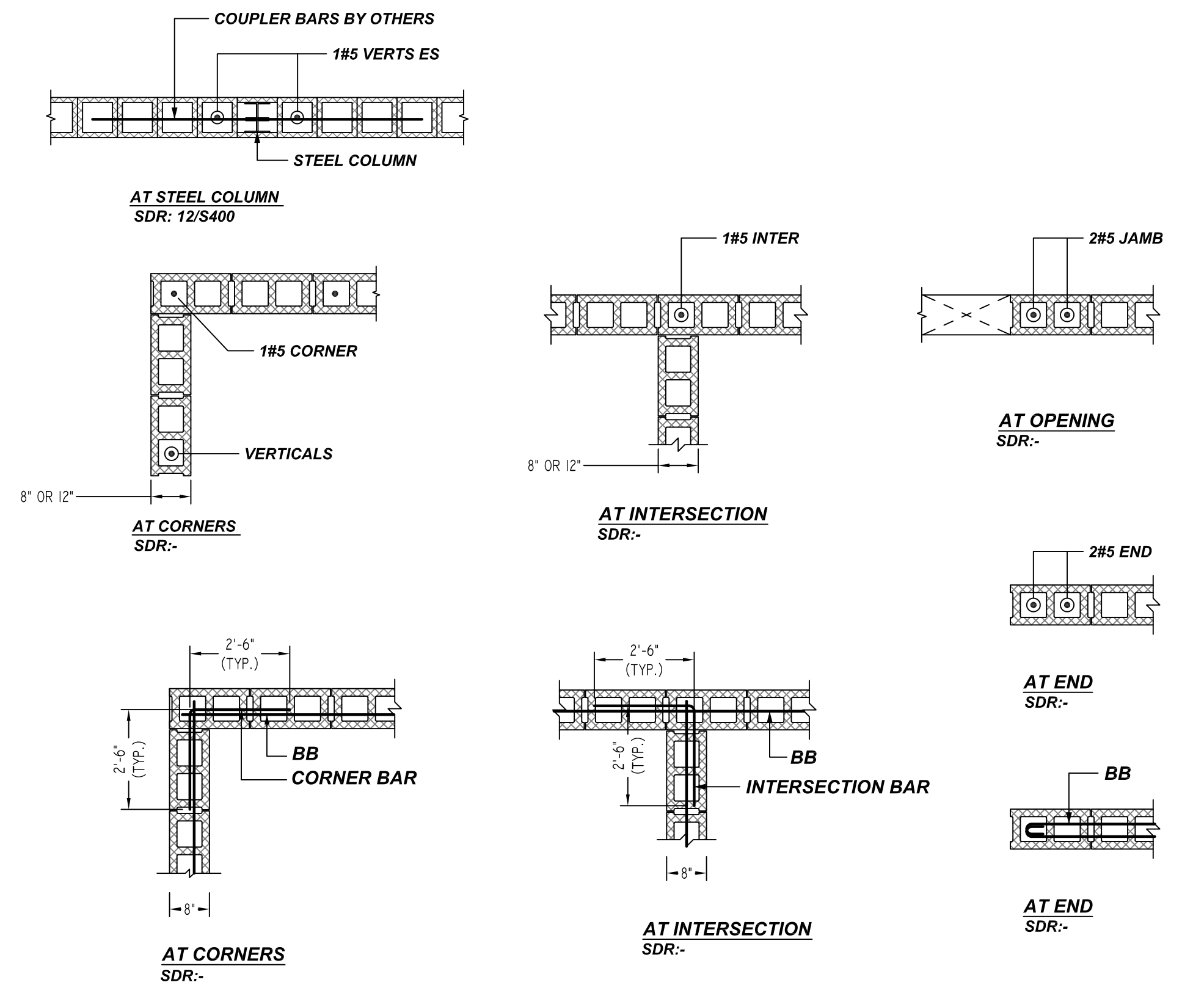
REINFORCING STEEL PLACING DRAWING ONLY. USE IN CONJUNCTION WITH CONTRACT DRAWINGS & SPECIFICATIONS. ELEVATIONS & DIMENSIONS SHOWN ON DRAWING ARE FOR DETAILING PURPOSES ONLY AND SHOULD NOT BE USED FOR CONSTRUCTION UNLESS VERIFIED BY ENGINEER OR CONTRACTOR.

**ALL BARS IN THIS DRAWING
ASTM A615 GRADE 60
BLACK UNCOATED**

LAP SCHEDULE

BAR#	1 BAR AT CENTER OF WALL			2 BAR AT EACH FACE		
	6" CMU	8" CMU	12" CMU	6" CMU	8" CMU	12" CMU
#4	24"	24"	24"	24"	24"	24"
#5	30"	30"	30"	39"	30"	35"
#6	53"	38"	36"	79"	57"	64"

A/E PLEASE VERIFY AS PER GSN S001 & 1900PSI, LAP SCHEDULE FOLLOWED AND CONSIDERED MIN. LAP LENGTH NOT LESS THAN 48XBAR DIA. AS PER GSN CONCRETE MASONRY WALL NOTE#4D.



TYPICAL CMU WALL DETAIL

SCALE: 1/2" = 1'-0"
REF: 9, 15 & 13/S400

REBAR GRADE 60 ASTM A-615

SPLICES USED		ABBREVIATIONS		BAR MARK SIZE EQUIVALENT	
CLASS B 4,000 psi UNO				Imperial	Soft Metric
TOP BARS	OTHER BARS	ADD.	= Additional	#3	#10
#3	#3	B.O.W.	= Bottom of wall	#4	#13
#4	#4	C.B.	= Corner Bars	#5	#16
#5	#5	DIAG.	= Diagonal	#6	#19
#6	#6	D.O.	= Door Opening	#7	#22
#7	#7	D.W.L.S.	= Dowels	#8	#25
#8	#8	E.F.	= Each Face	#9	#29
#9	#9	E.S.	= Each Side	#10	#32
#10	#10	E.W.	= Each Way	#11	#36
#11	#11	FTG.	= Footing		
#12	#12	F.F.	= Far Face		
#13	#13	HORIZ.	= Horizontal		
#14	#14	I.F.	= Inside Face		
		INTERS.	= Intersection		
		L.W.	= Long Way		
		N.F.	= Near Face		
		O.F.	= Outside Face		
		S.W.	= Short Way		
		T&B	= Top & Bottom		
		T.O.W.	= Top of Wall		
		Trans.	= Transverse		
		VERT.	= Vertical		

PORT JERVIS MIDDLE SCHOOL
AREA-A MASONRY WALL LAYOUT
ORANGE COUNTY, NY USA

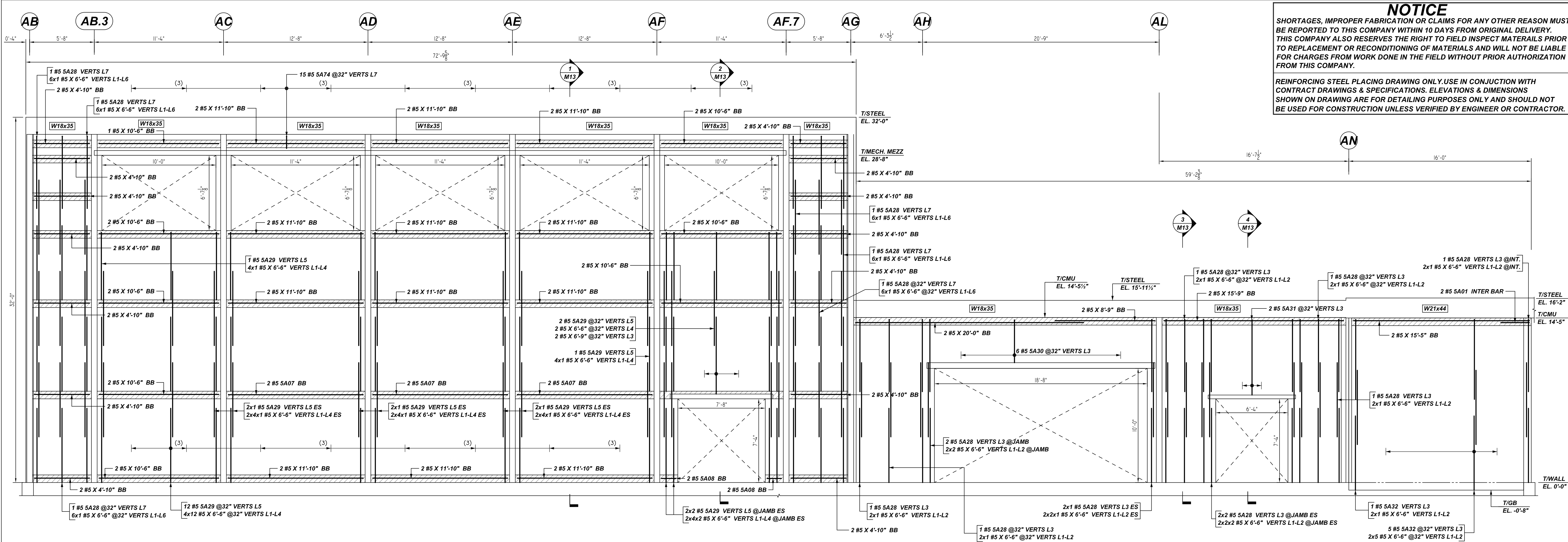
CUSTOMER: HULL CONSTRUCTION
DESIGNER: -

REV NO	DATE	APPROVAL	SENT FOR	REV NO	DATE	SENT FOR
0	06.10.22					

DRAWN BY	DATE	JOB NO	SHEET NO.
RS/MET	06/10/22	M92270465P	M01

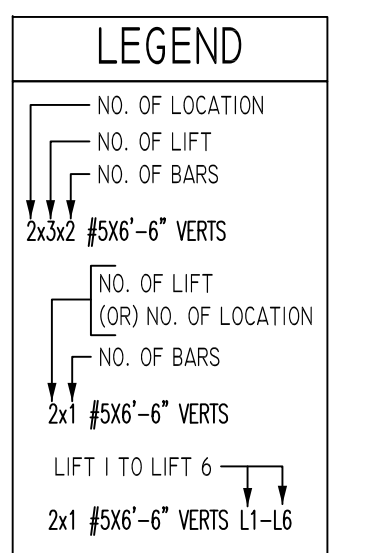
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A ELEVATION
 SCALE: 1/4" = 1'-0"
 REF: S100, S104, S105 & A100

Bar Mark	Qty	Size	Total Length	Type	X'	Y'	Z'	W'	V'	U'	T'	S'	R'	Q'	P'	O'	N'	M'	L'	K'	J'	I'	H'	G'	F'	E'	D'	C'	B'	A'					
SA01	6	#5	5'-0"	17																															
SA04	2	#5	5'-6"	17																															
SA07	6	#5	13'-0"	1	0'-7"																														
SA08	4	#5	1'-10"	1	0'-7"																														
SA08	20	#5	6'-11"	1	0'-7"																														
SA09	26	#5	6'-6"	1	0'-7"																														
SA30	6	#5	4'-4"	1	0'-7"																														
SA31	2	#5	7'-2"	1	0'-7"																														
SA32	6	#5	7'-7"	1	0'-7"																														
SA33	7	#5	4'-7"	1	0'-7"																														
SA34	13	#5	8'-7"	1	0'-7"																														
SA35	2	#5	8'-11"	1	0'-7"																														
SA69	15	#5	1'-8"	1	0'-7"																														



LAP SCHEDULE

BAR#	6" CMU	8" CMU	12" CMU	8" CMU	12" CMU	BOND BEAM
#4	24"	24"	24"	24"	24"	24"
#5	30"	30"	30"	39"	30"	35"
#6	53"	38"	36"	79"	57"	64"

A/E PLEASE VERIFY AS PER GSN S001 & 1900PSI. LAP SCHEDULE FOLLOWED AND CONSIDERED MIN. LAP LENGTH NOT LESS THAN 48XBAR DIA. AS PER GSN CONCRETE MASONRY WALL NOTE# 4D.

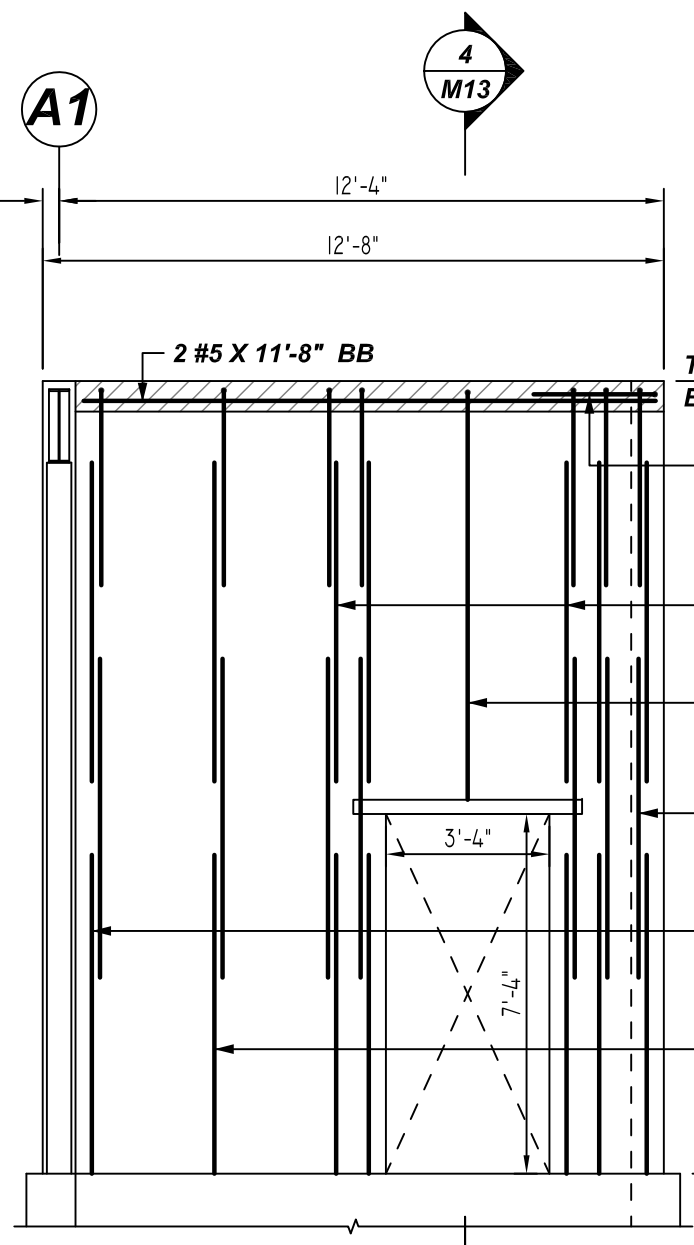
REBAR GRADE 60 ASTM A-615

SPLICES USED

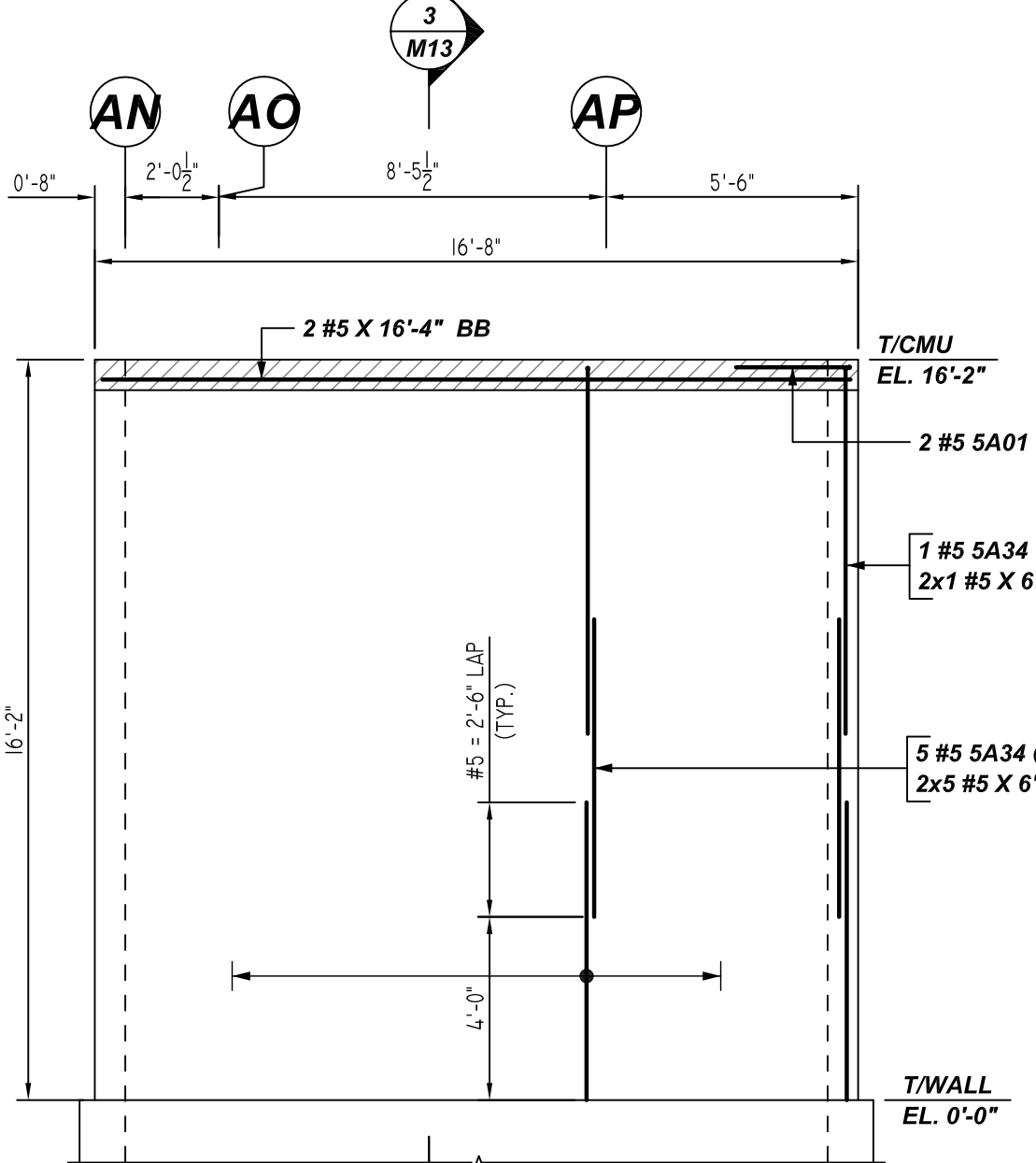
CLASS B 4,000 psi UNO

TOP BARS	OTHER BARS
#3	#3
#4	#4
#5	#5
#6	#6
#7	#7
#8	#8
#9	#9
#10	#10
#11	#11
#14	#14

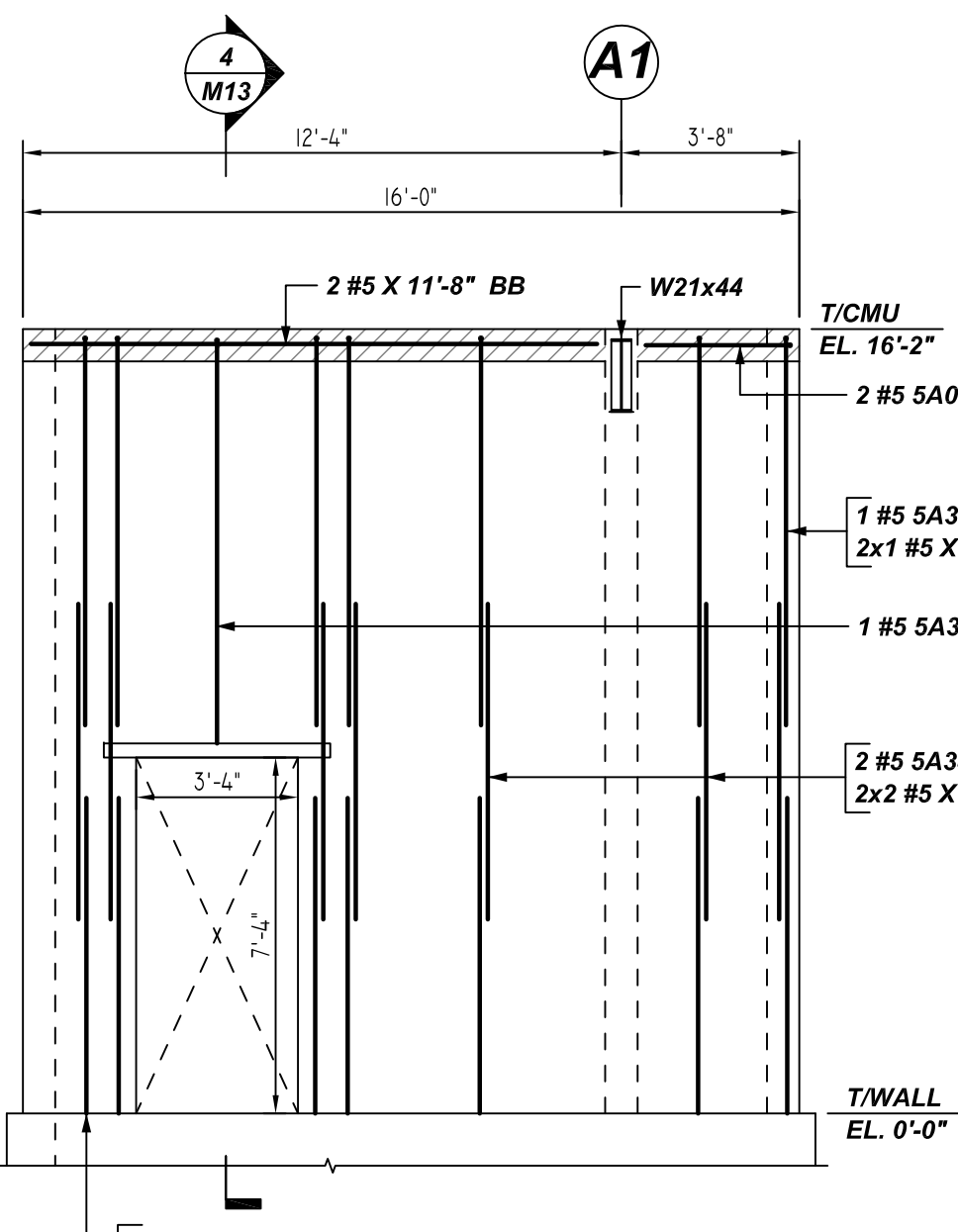
ABBREVIATIONS	BAR MARK SIZE EQUIVALENT
ADD. = Additional	#3
B.O.W. = Bottom of wall	#4
C.B. = Corner Bars	#5
DIAG. = Diagonal	#6
D.O. = Door Opening	#7
D.W.L.S. = Dowels	#8
E.F. = Each Face	#9
E.S. = Each Side	#10
E.W. = Each Way	#11
FTG. = Footing	#12
F.F. = Far Face	#13
HORIZ. = Horizontal	#14
I.F. = Inside Face	#15
INTERS. = Intersection	#16
L.W. = long Way	#17
N.F. = Near Face	#18
O.F. = Outside Face	#19
S.W. = Short Way	#20
T&B = Top & Bottom	#21
T.O.W. = Top of Wall	#22
Trans. = Transverse	#23
VERT. = Vertical	#24



B ELEVATION
 SCALE: 1/4" = 1'-0"
 REF: S100, S104, S105 & A100



C ELEVATION
 SCALE: 1/4" = 1'-0"
 REF: S100, S104, S105 & A100



D ELEVATION
 SCALE: 1/4" = 1'-0"
 REF: S100, S104, S105 & A100

PORT JERVIS MIDDLE SCHOOL
 AREA-A MASONRY WALL REINFORCEMENT DETAILS
 ORANGE COUNTY, NY USA

CUSTOMER: HULL CONSTRUCTION
 DESIGNER: -

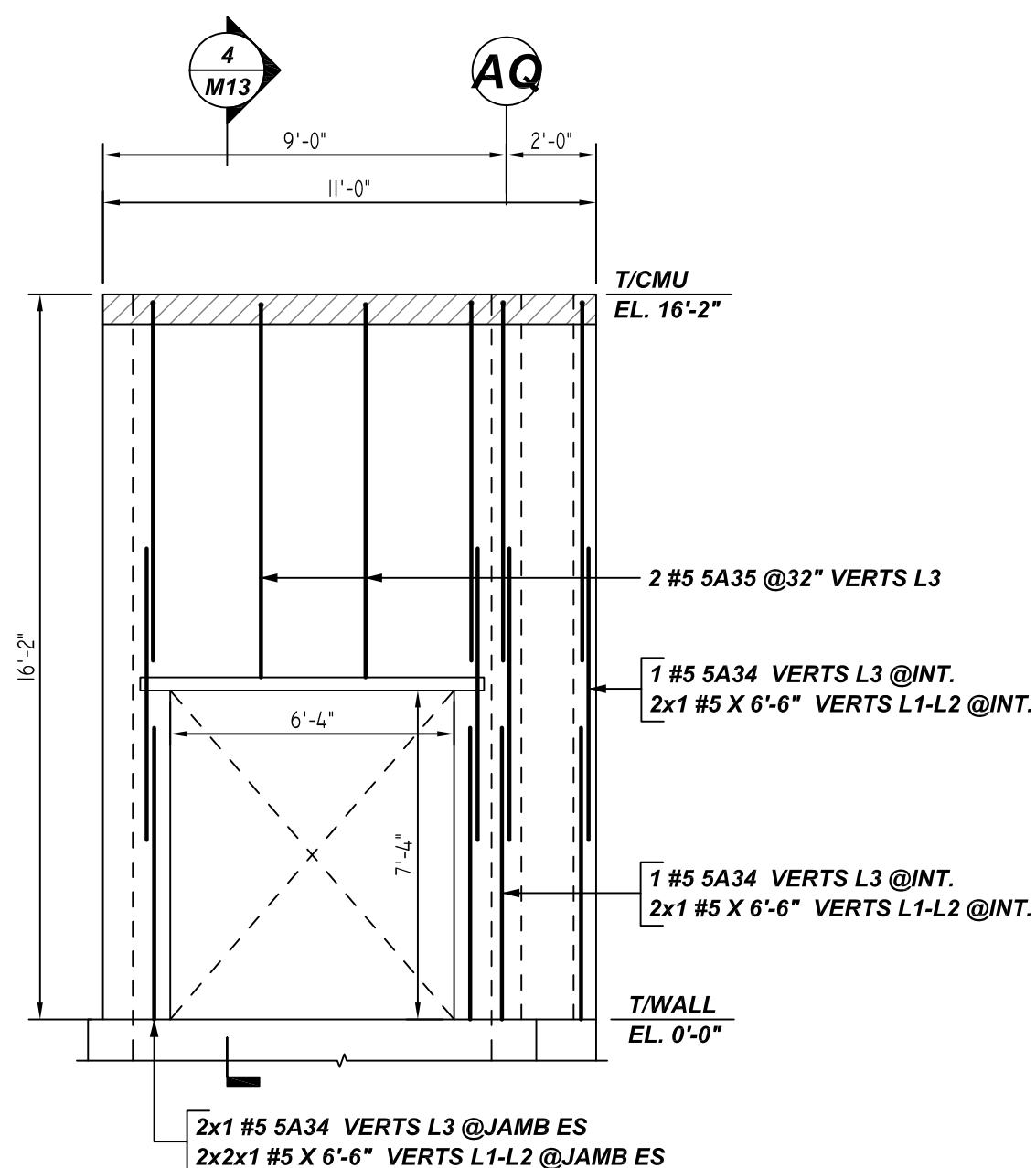
REV NO	DATE	APPROVAL	REV NO	DATE	SENT FOR
0	06.10.22				

RS/MET	DATE	JOB NO	SHEET NO.
	06/10/22	M92270465P	M02

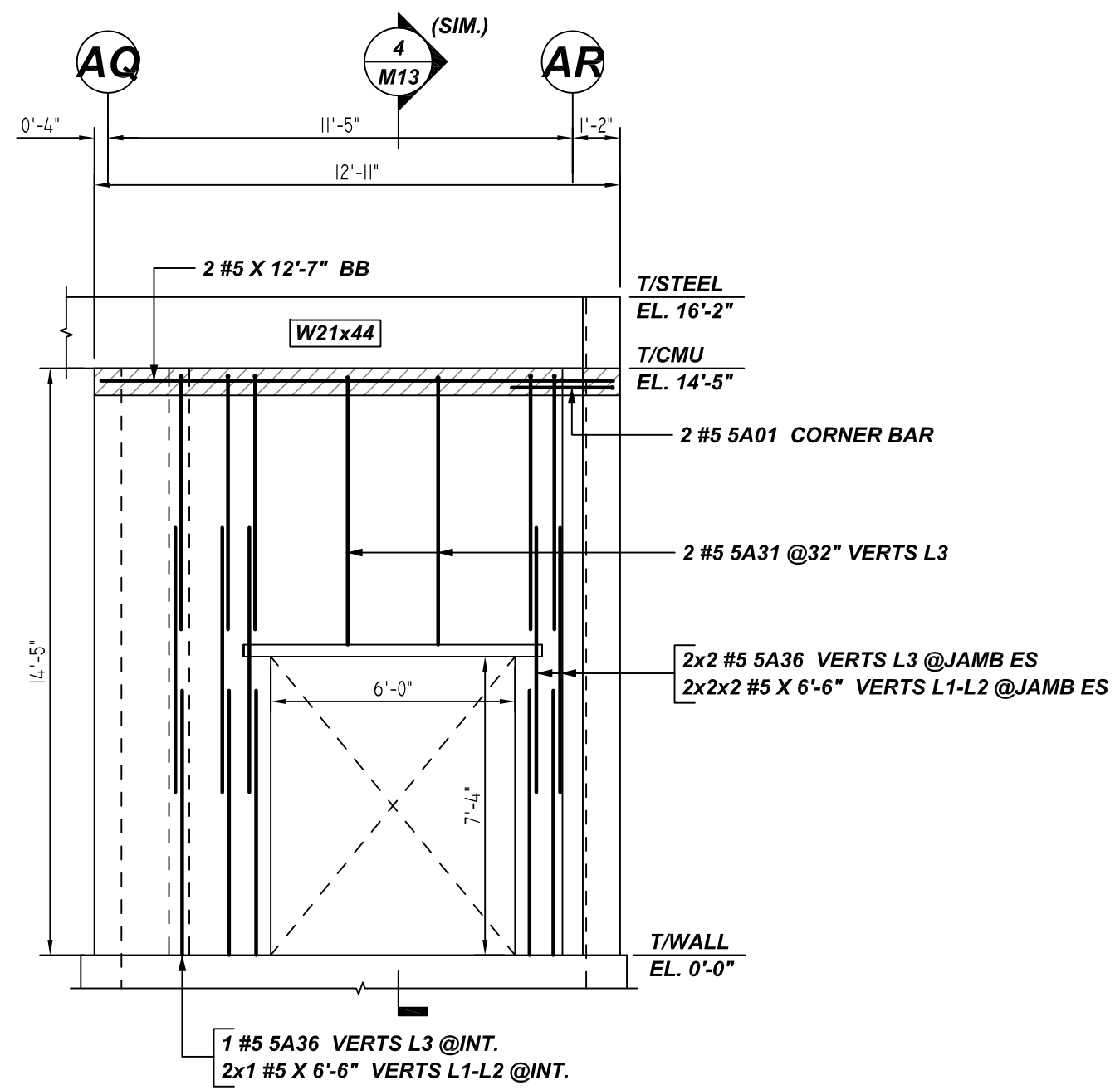
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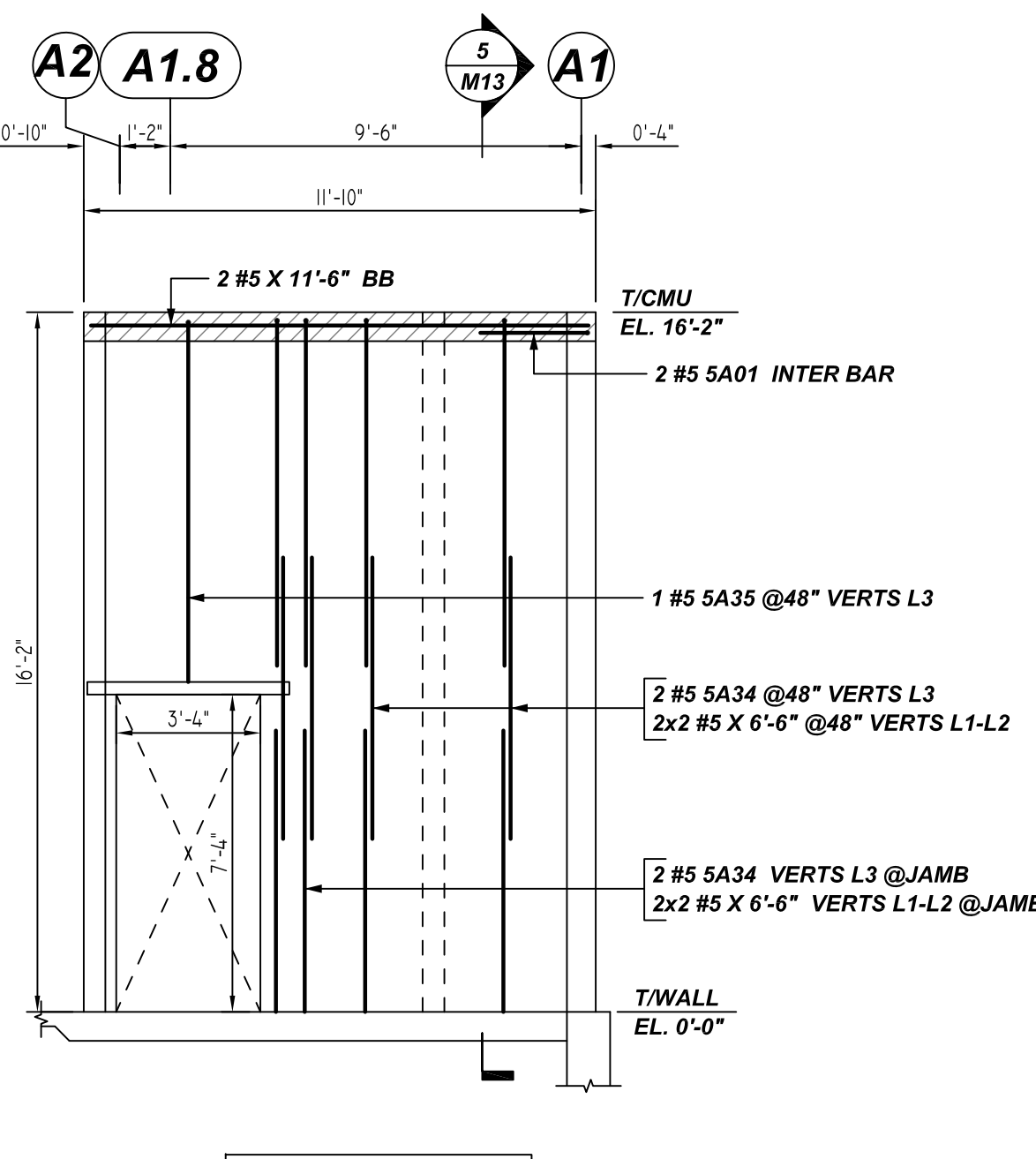
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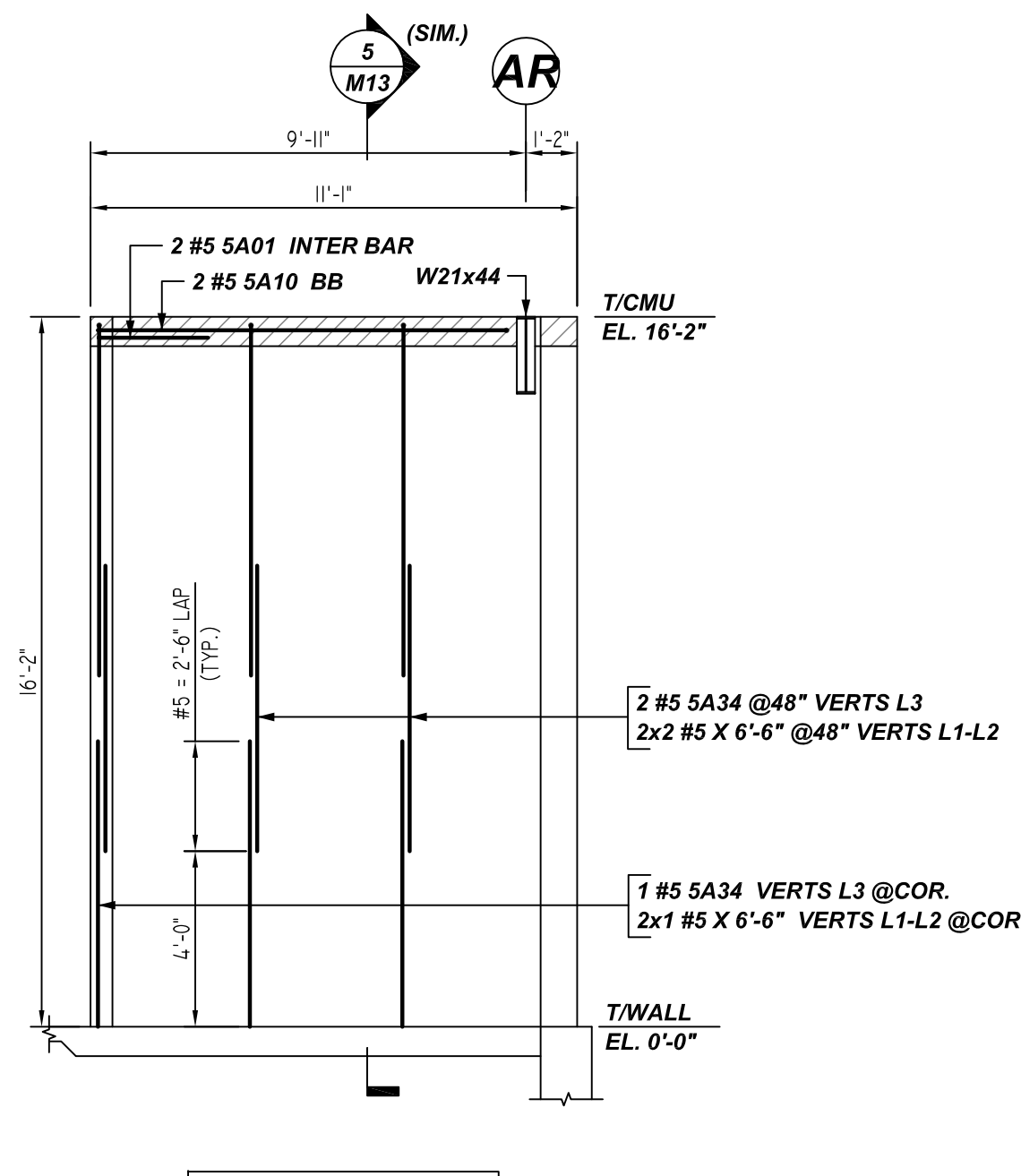
E ELEVATION
SCALE: 1/4" = 1'-0"
REF: S100, S104, S105 & A100



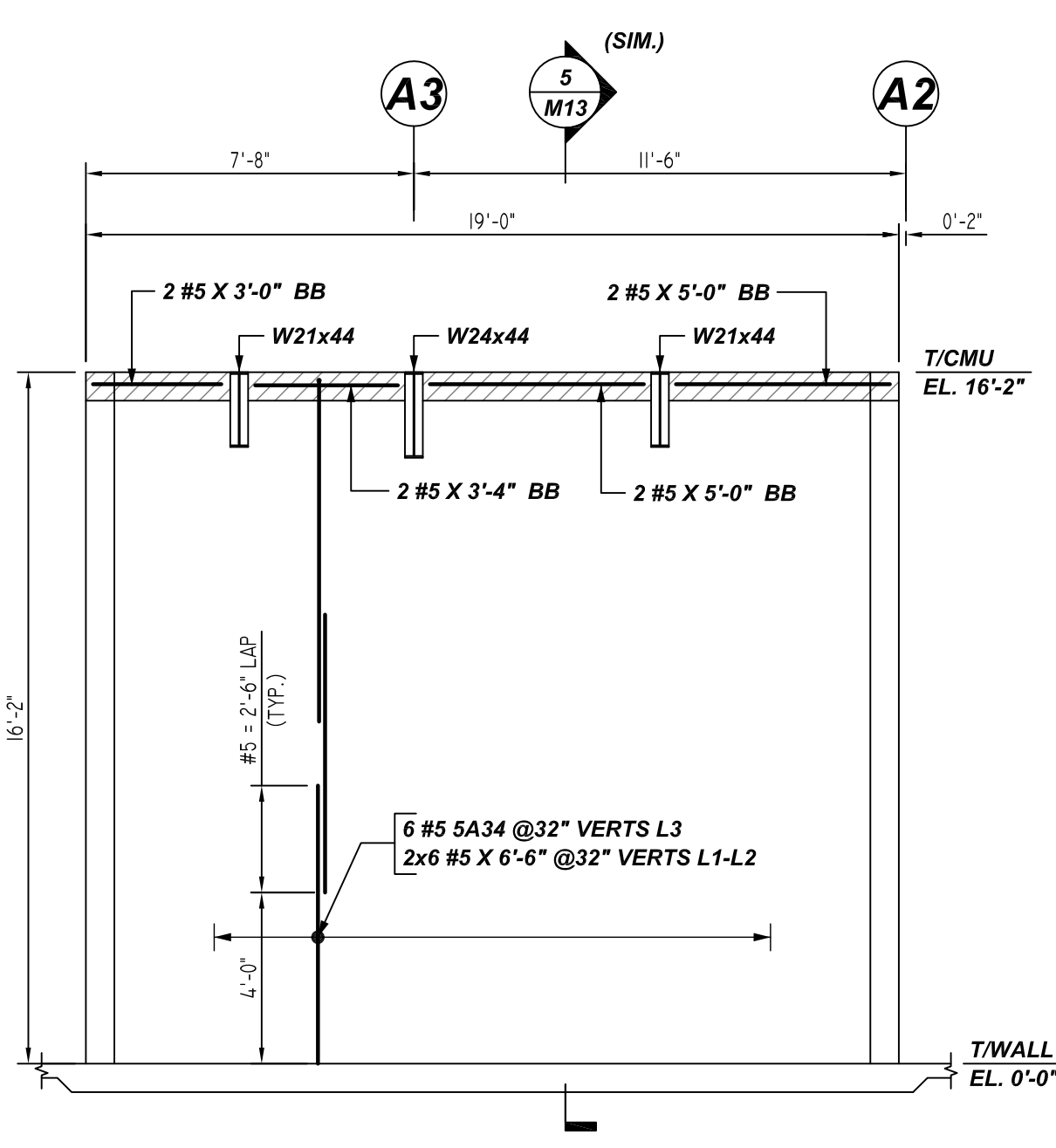
F ELEVATION
SCALE: 1/4" = 1'-0"
REF: S100, S104, S105 & A100



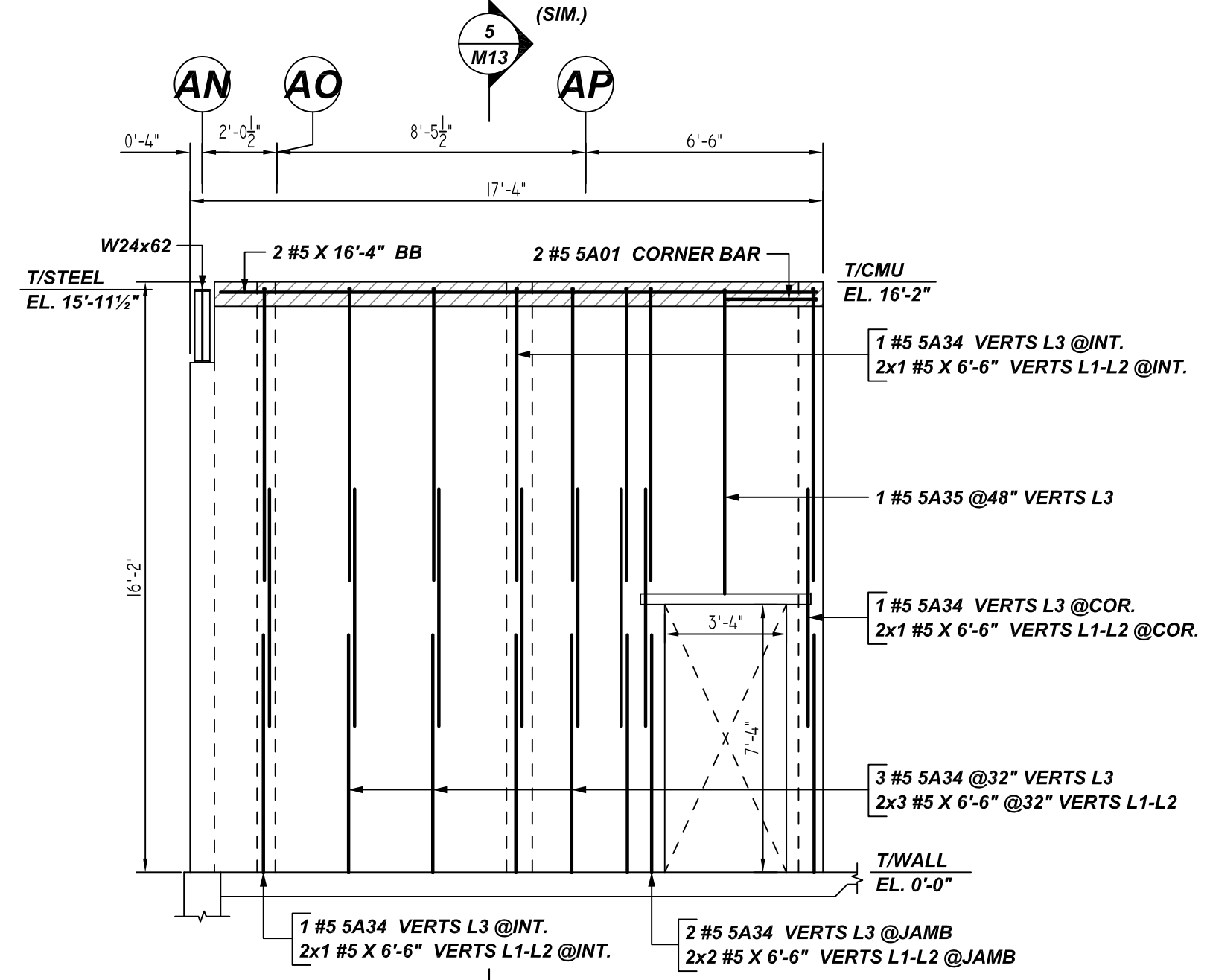
G ELEVATION
SCALE: 1/4" = 1'-0"
REF: S100, S104, S105 & A100



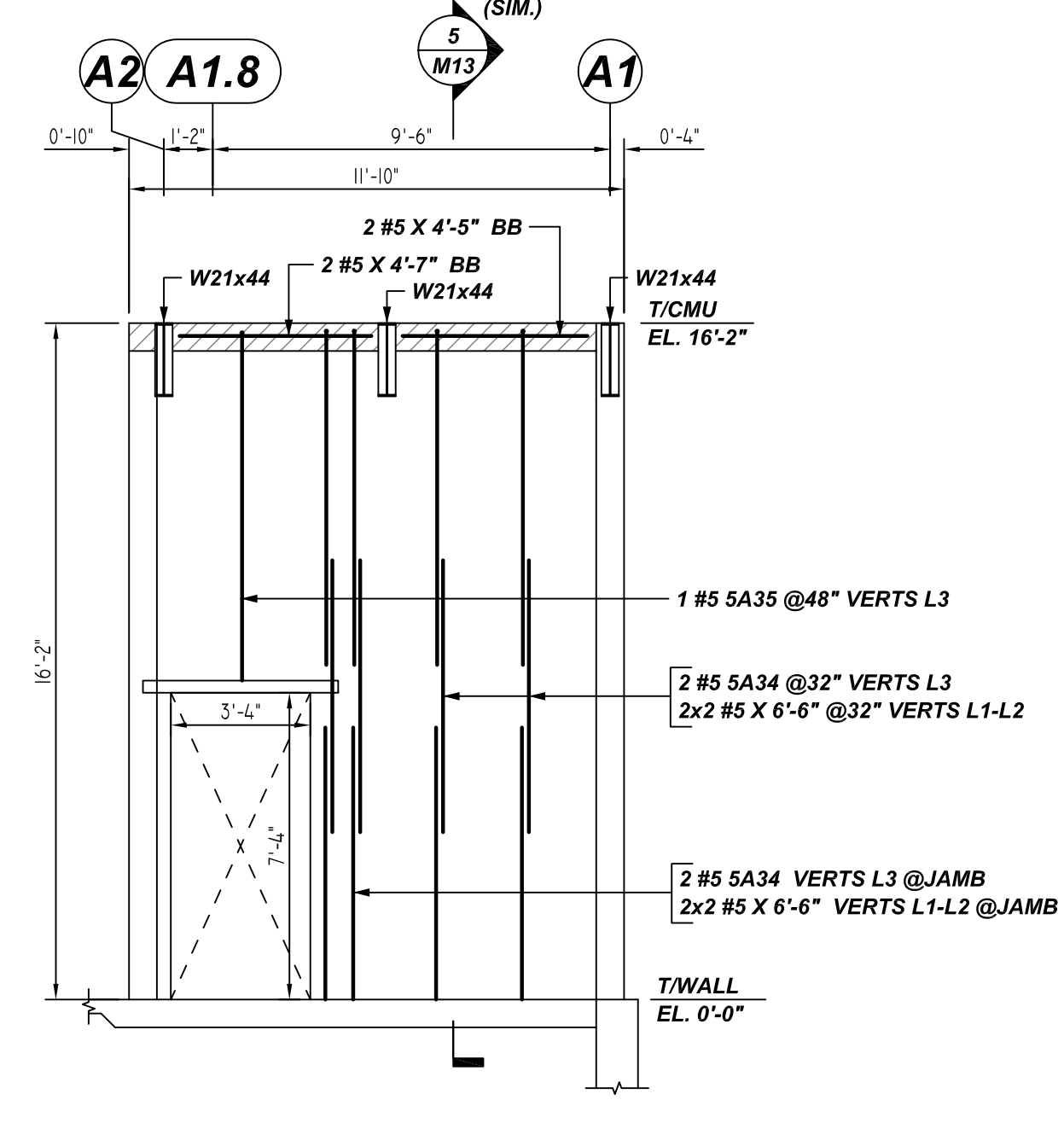
H ELEVATION
SCALE: 1/4" = 1'-0"
REF: S100, S104, S105 & A100



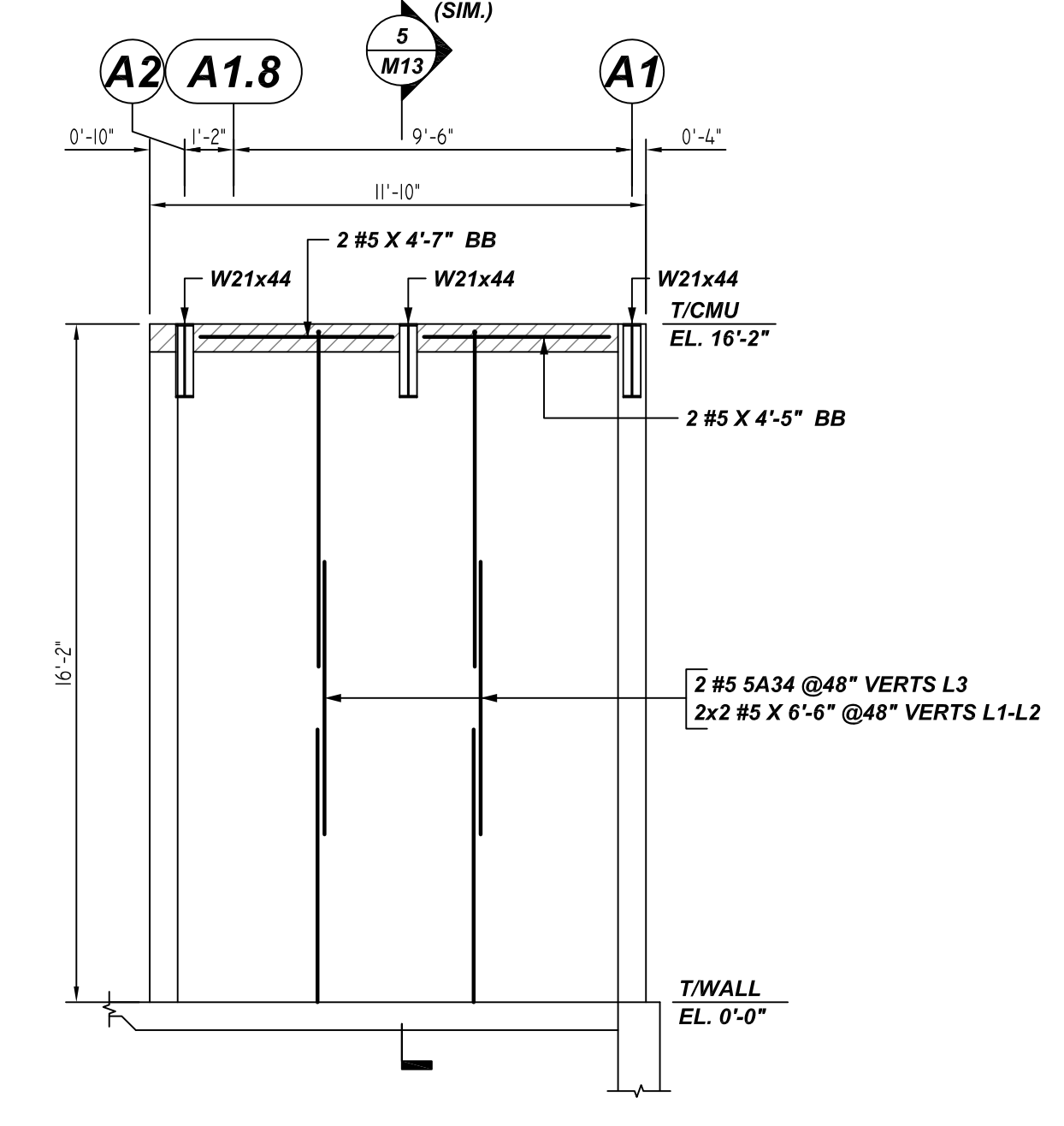
J ELEVATION
SCALE: 1/4" = 1'-0"
REF: S100, S104, S105 & A100



K ELEVATION
SCALE: 1/4" = 1'-0"
REF: S100, S104, S105 & A100

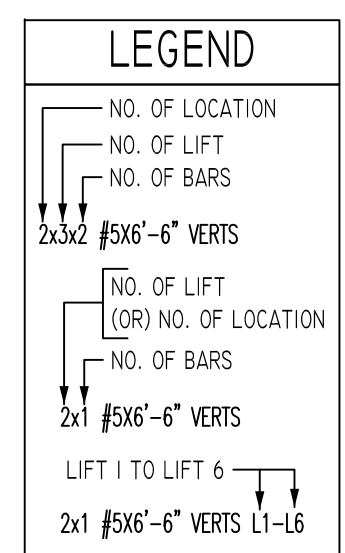


L ELEVATION
SCALE: 1/4" = 1'-0"
REF: S100, S104, S105 & A100



M ELEVATION
SCALE: 1/4" = 1'-0"
REF: S100, S104, S105 & A100

Bar Mark	Qty	Size	Total Length	Type	X'	Y'	Z'	W'	V'	U'	T'	S'	R'	Q'	P'	O'	N'	M'	L'	K'	J'	I'	H'	G'	F'	E'	D'	C'	B'	A'	
5A01	8	#5	5'-0"	17			2'-6"	2'-6"																							
5A10	2	#5	9'-11"	1	0'-7"	9'-4"																									
5A11	2	#5	7'-2"	1	0'-7"	6'-7"																									
5A12	3	#5	8'-7"	1	0'-7"	6'-0"																									
5A13	5	#5	8'-11"	1	0'-7"	8'-4"																									
5A14	5	#5	6'-10"	1	0'-7"	6'-3"																									



BAR#	LAP SCHEDULE					
	1 BAR AT CENTER OF WALL	8" CMU		12" CMU		2 BAR AT EACH FACE
#4	24"	24"	24"	24"	24"	24"
#5	30"	30"	30"	39"	30"	35"
#6	53"	38"	36"	79"	57"	64"

A/E PLEASE VERIFY AS PER GSN S001 & 1900PSI, LAP SCHEDULE FOLLOWED AND CONSIDERED MIN. LAP LENGTH NOT LESS THAN 48XBAR DIA. AS PER GSN CONCRETE MASONRY WALL NOTE# 4D.

**ALL BARS IN THIS DRAWING
ASTM A615 GRADE 60
BLACK UNCOATED**

REBAR GRADE 60 ASTM A-615

SPLICES USED

CLASS B 4,000 psi UNO	
TOP BARS	OTHER BARS
#3	#3
#4	#4
#5	#5
#6	#6
#7	#7
#8	#8
#9	#9
#10	#10
#11	#11
#14	#14

ABBREVIATIONS

- ADD. = Additional
- B.O.W. = Bottom of wall
- C.B. = Corner Bars
- DIAG. = Diagonal
- D.O. = Door Opening
- DWLS. = Dowels
- E.F. = Each Face
- E.S. = Each Side
- E.W. = Each Way
- FTG. = Footing
- F.F. = Far Face
- HORIZ. = Horizontal
- I.F. = Inside Face
- INTERS. = Intersection
- L.W. = long Way
- N.F. = Near Face
- O.F. = Outside Face
- S.W. = Short Way
- T&B = Top & Bottom
- T.O.W. = Top of Wall
- Trans. = Transverse
- VERT. = Vertical

BAR MARK SIZE EQUIVALENT

Imperial	Soft Metric
#3	#10
#4	#13
#5	#16
#6	#19
#7	#22
#8	#25
#9	#29
#10	#32
#11	#36

**PORT JERVIS MIDDLE SCHOOL
AREA-A MASONRY WALL REINFORCEMENT DETAILS
ORANGE COUNTY, NY USA**

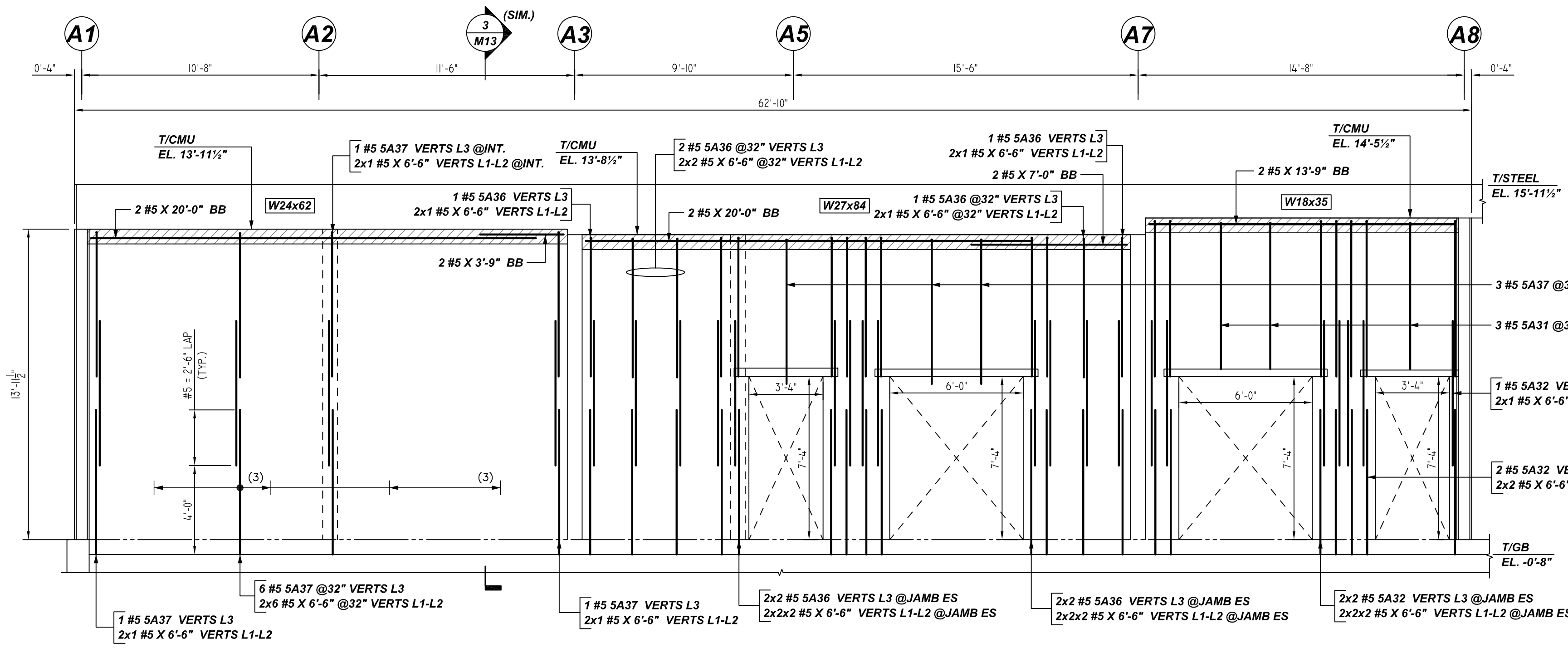
CUSTOMER: HULL CONSTRUCTION
DESIGNER: -

REV NO	DATE	SENT FOR	REV NO	DATE	SENT FOR
0	06.10.22	APPROVAL			

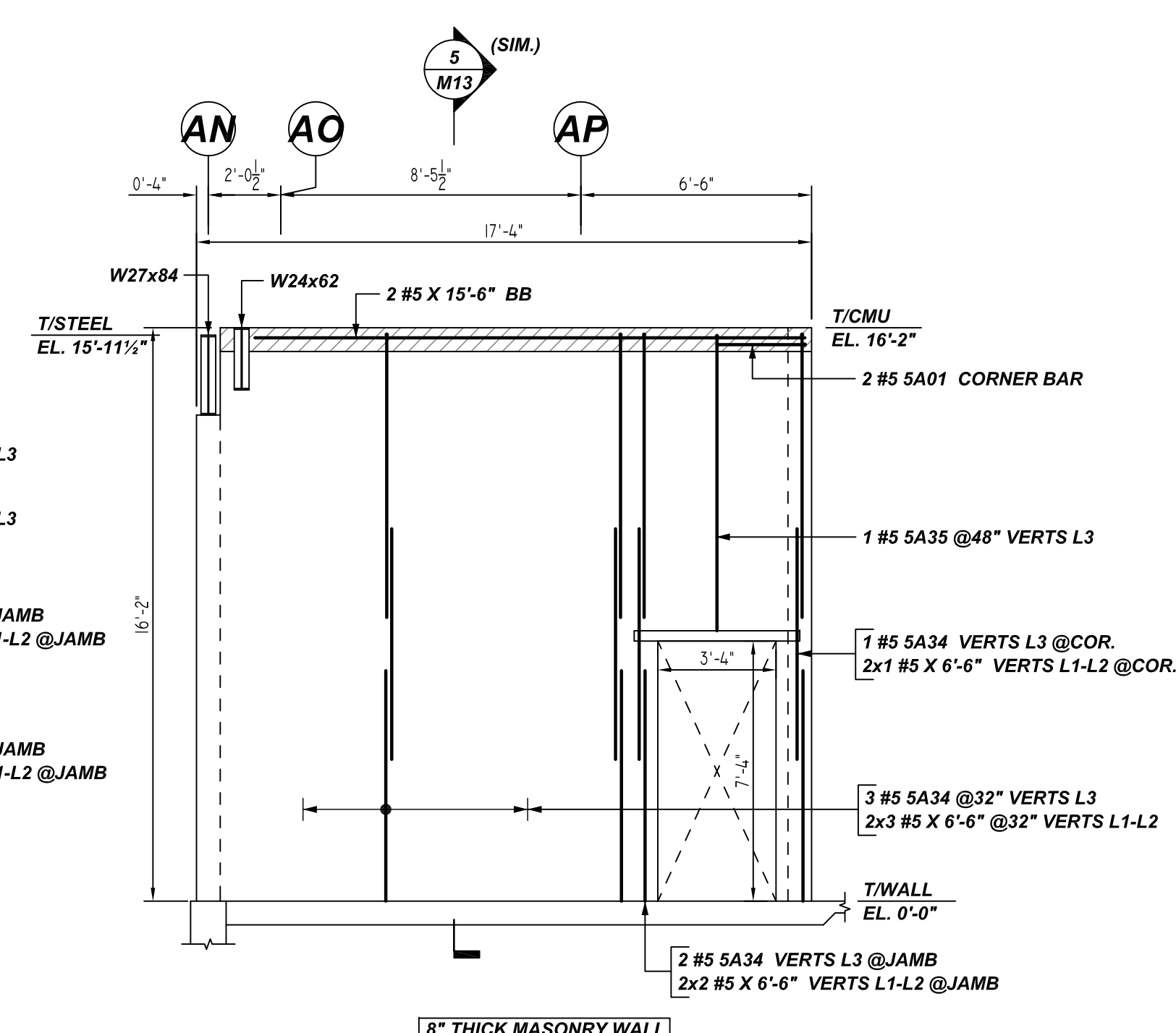
DRAWN BY	DATE	JOB NO	SHEET NO.
RS/MET	06/10/22	M92270465P	M03

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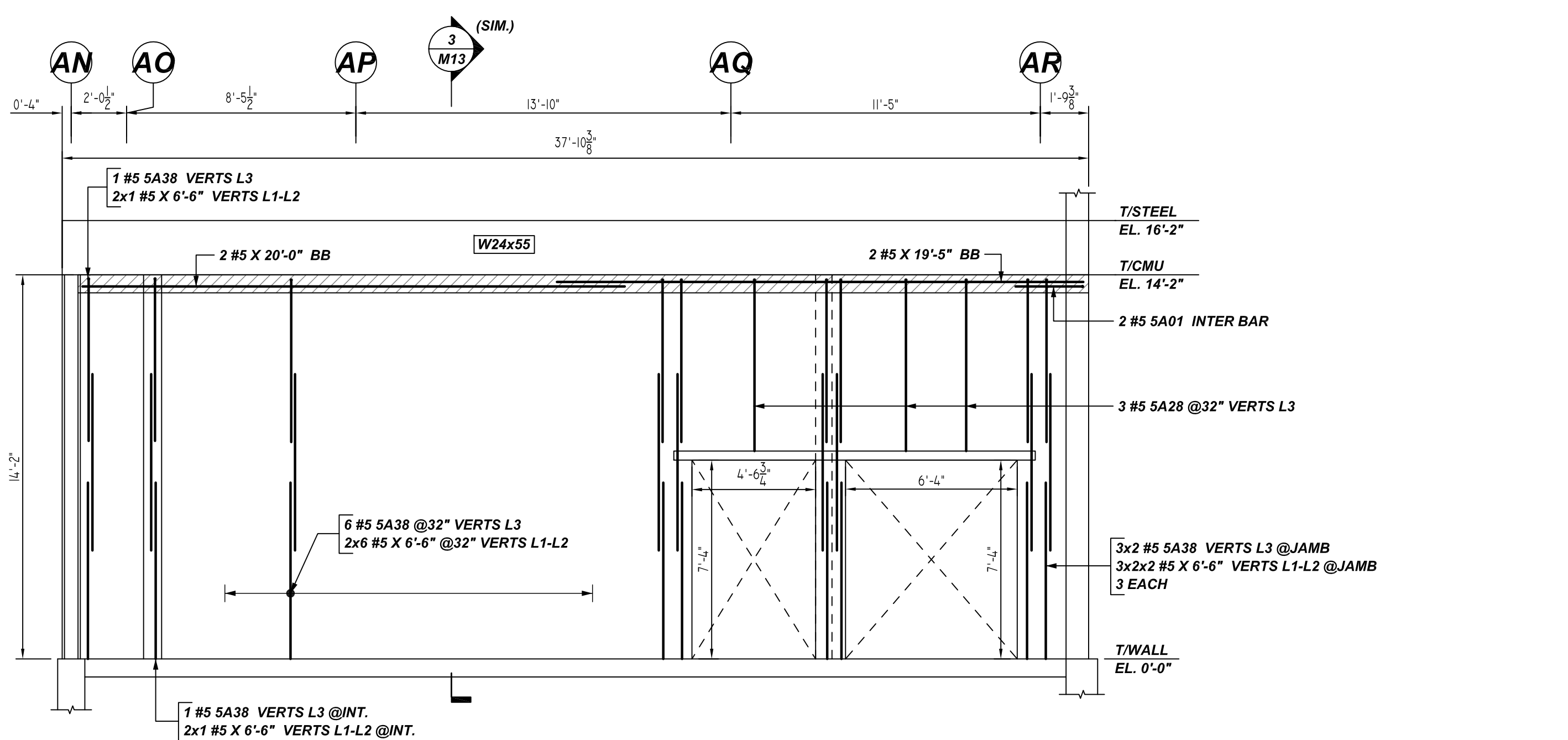
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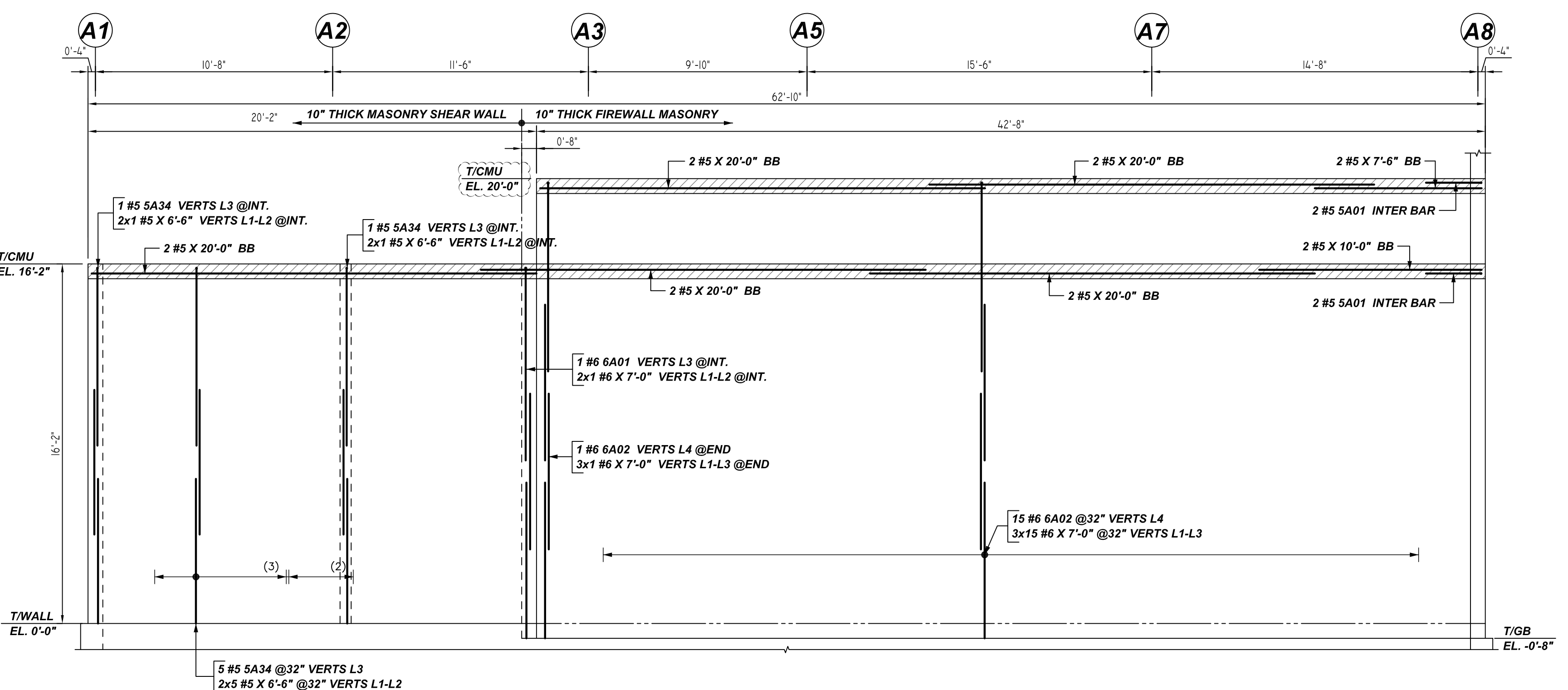
N ELEVATION
 SCALE: 1/4" = 1'-0"
 REF: S100, S104, S105 & A100



P ELEVATION
 SCALE: 1/4" = 1'-0"
 REF: S100, S104, S105 & A100

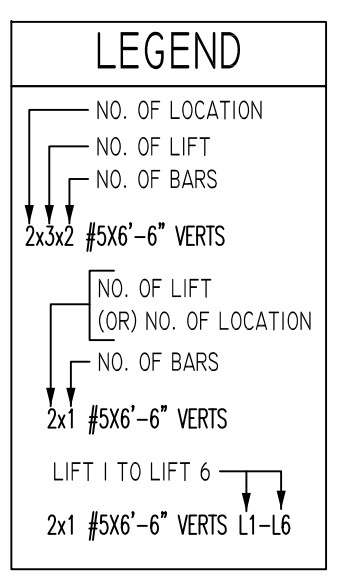


Q ELEVATION
 SCALE: 1/4" = 1'-0"
 REF: S100, S104, S105 & A100



R ELEVATION
 SCALE: 1/4" = 1'-0"
 REF: S100, S104, S105 & A100

Bar Mark	Qty	Size	Total Length	Type	X'	Y'	Z'	X'	Y'	Z'	X'	Y'	Z'
5A01	8	#5	5'-0"	17	2'-8"	2'-8"							
5A02	3	#5	6'-11"	1	0'-7"	6'-4"							
5A03	3	#5	7'-7"	1	0'-7"	6'-7"							
5A02	3	#5	7'-7"	1	0'-7"	7'-0"							
5A04	15	#5	6'-7"	1	0'-7"	8'-0"							
5A05	6	#5	8'-11"	1	0'-7"	8'-4"							
5A06	13	#5	6'-10"	1	0'-7"	6'-3"							
5A07	12	#5	7'-1"	1	0'-7"	6'-6"							
5A08	14	#5	6'-7"	1	0'-7"	6'-0"							
6A01	1	#6	9'-4"	1	0'-8"	8'-8"							
6A02	16	#6	9'-7"	1	0'-8"	8'-8"							



LAP SCHEDULE

BAR#	1 BAR AT CENTER OF WALL				2 BAR AT EACH FACE			
	6" CMU	8" CMU	12" CMU	8" CMU	12" CMU	12" CMU	BOND BEAM	
#4	24"	24"	24"	24"	24"	24"	24"	
#5	30"	30"	30"	39"	30"	35"		
#6	53"	38"	36"	79"	57"	64"		

A/E PLEASE VERIFY AS PER GSN S001 & 1900PSI, LAP SCHEDULE FOLLOWED AND CONSIDERED MIN. LAP LENGTH NOT LESS THAN 48XBAR DIA. AS PER GSN CONCRETE MASONRY WALL NOTE# 4D.

**ALL BARS IN THIS DRAWING
 ASTM A615 GRADE 60
 BLACK UNCOATED**

REBAR GRADE 60 ASTM A-615

SPLICES USED
 CLASS B 4,000 psi UNO

TOP BARS	OTHER BARS
#3	#3
#4	#4
#5	#4
#6	#5
#7	#6
#8	#7
#9	#8
#10	#9
#11	#10
#14	#11

ABBREVIATIONS

ADD. = Additional
 B.O.W. = Bottom of wall
 C.B. = Corner Bars
 DIAG. = Diagonal
 D.O. = Door Opening
 DWLS. = Dowels
 E.F. = Each Face
 E.S. = Each Side
 E.W. = Each Way
 FTG. = Footing
 F.F. = Far Face
 HORIZ. = Horizontal
 I.F. = Inside Face
 INTERS. = Intersection
 L.W. = long Way
 N.F. = Near Face
 O.F. = Outside Face
 S.W. = Short Way
 T&B = Top & Bottom
 T.O.W. = Top of Wall
 Trans. = Transverse
 VERT. = Vertical

BAR MARK SIZE EQUIVALENT

Imperial	Soft Metric
#3	#10
#4	#13
#5	#16
#6	#19
#7	#22
#8	#25
#9	#29
#10	#32
#11	#36

**PORT JERVIS MIDDLE SCHOOL
 AREA-A MASONRY WALL REINFORCEMENT DETAILS
 ORANGE COUNTY, NY USA**

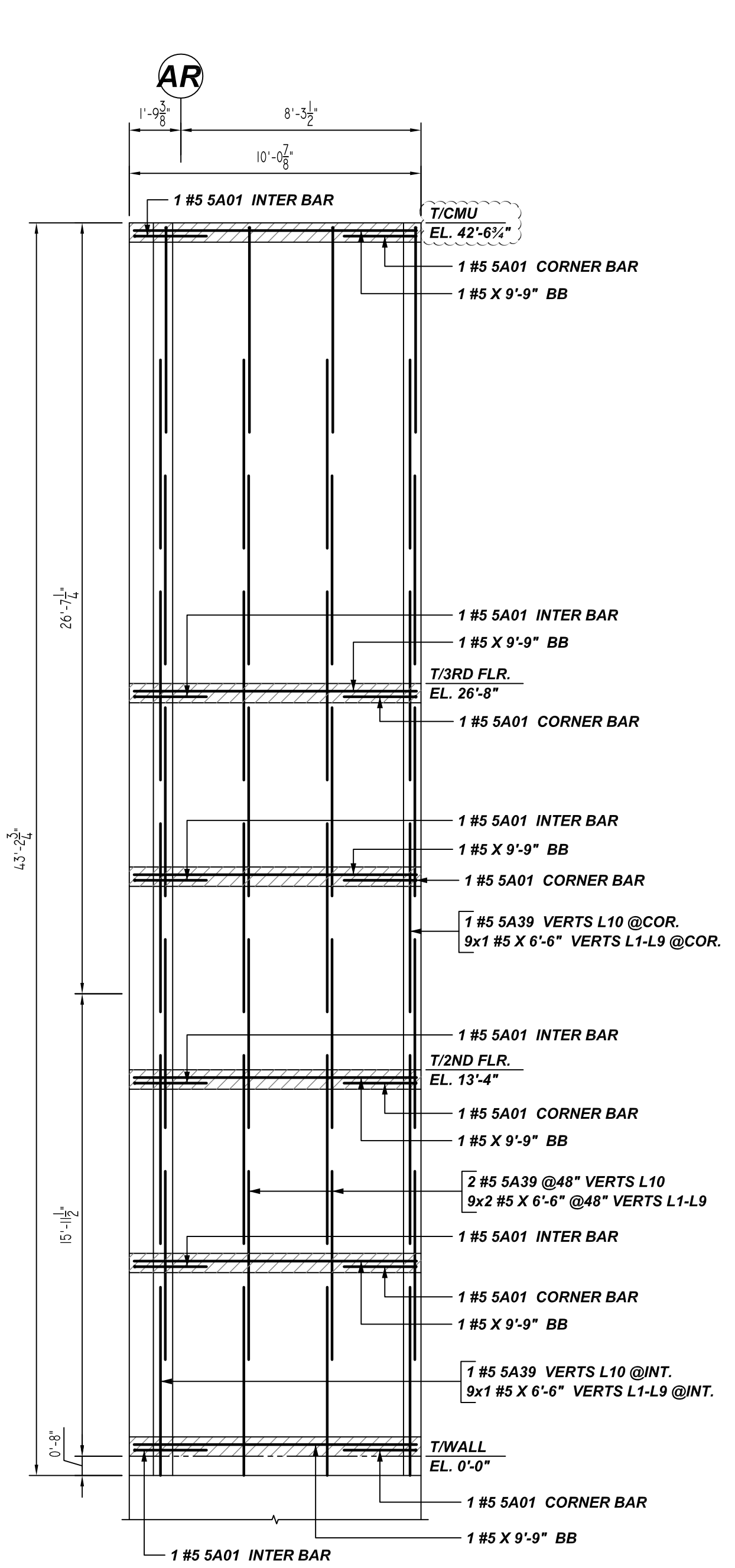
CUSTOMER: HULL CONSTRUCTION
 DESIGNER: -

REV NO	DATE	APPROVAL	SENT FOR	REV NO	DATE	SENT FOR
0	06.10.22					

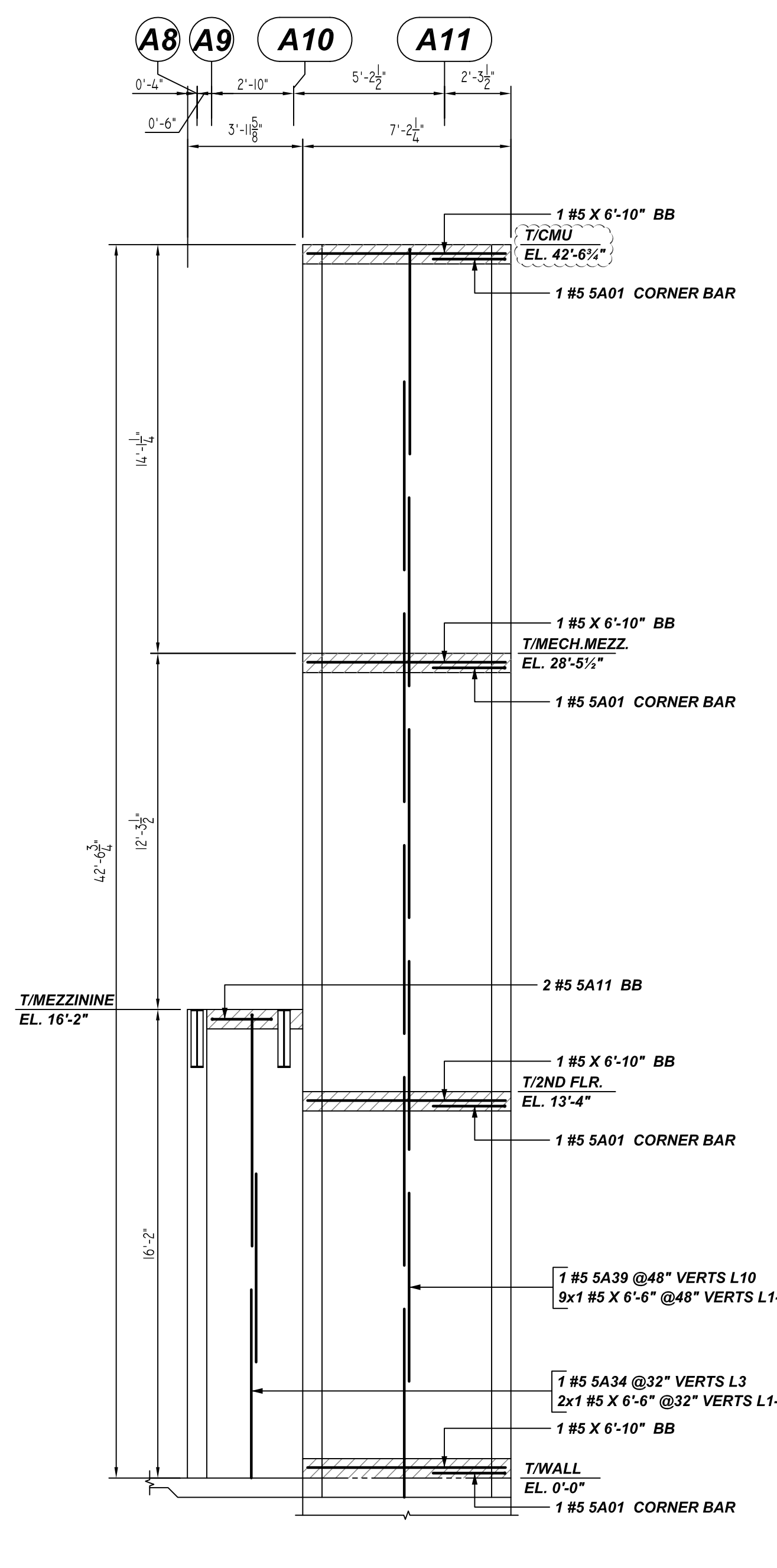
DRAWN BY	DATE	JOB NO	SHEET NO.
RS/MET	06/10/22	M92270465P	M04

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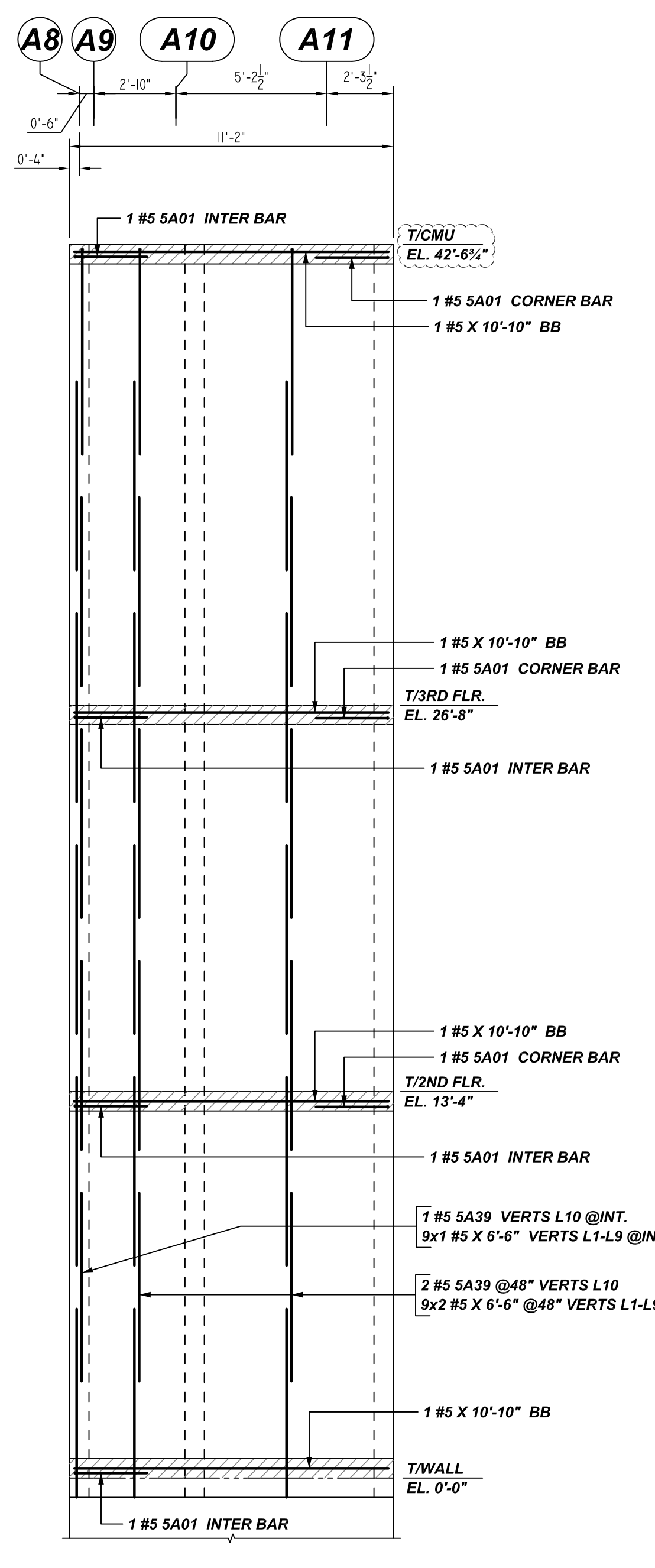
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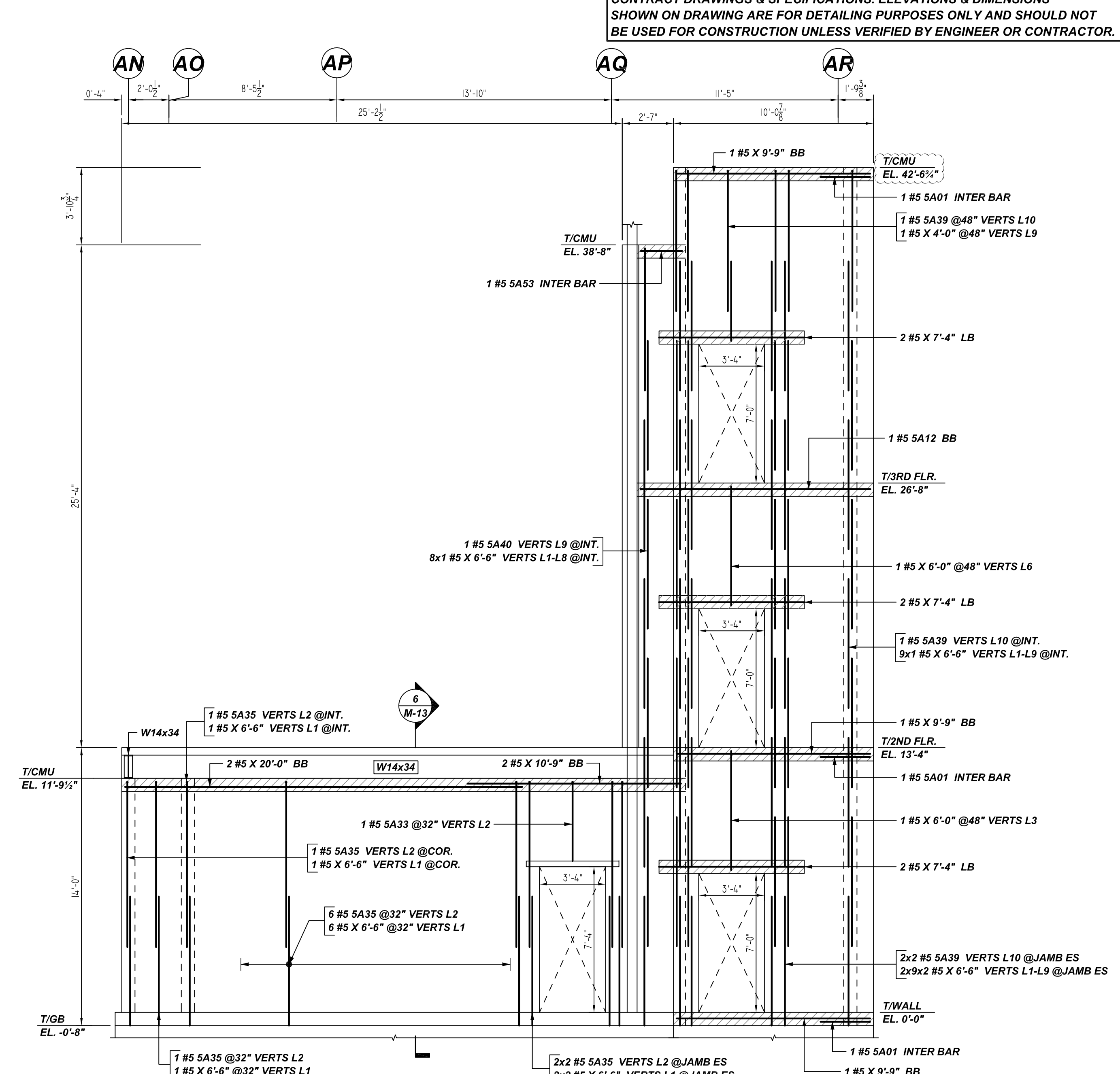
S ELEVATION
 SCALE: 1/4" = 1'-0"
 REF: S100, S104, S105 & A100



T ELEVATION
 SCALE: 1/4" = 1'-0"
 REF: S100, S104, S105 & A100

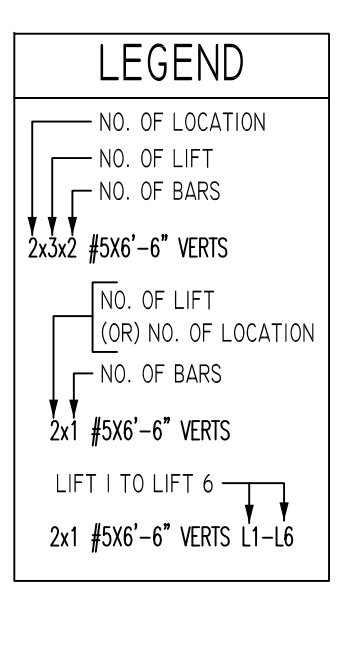


U ELEVATION
 SCALE: 1/4" = 1'-0"
 REF: S100, S104, S105 & A100



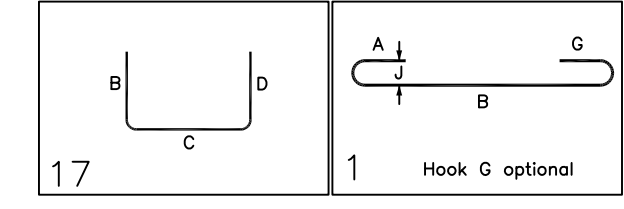
V ELEVATION
 SCALE: 1/4" = 1'-0"
 REF: S100, S104, S105 & A100

Bar Mark	Qty	Size	Total Length	Type	X	Y	Z	W	V	U	T	S	R	Q	P	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A
SA01	26	#5	5'-0"	17																										
SA05	2	#5	4'-2"	17																										
SA11	2	#5	3'-3"	1	0'-7"																									
SA12	1	#5	12'-2"	1	0'-7"	11'-7"																								
SA33	1	#5	4'-7"	1	0'-7"	4'-0"																								
SA34	1	#5	8'-7"	1	0'-7"	8'-0"																								
SA35	14	#5	8'-11"	1	0'-7"	8'-4"																								
SA39	14	#5	7'-8"	1	0'-7"	7'-1"																								
SA40	1	#5	7'-8"	1	0'-7"	7'-2"																								
SA53	1	#5	4'-7"	17																										



BAR#	1 BAR AT CENTER OF WALL					2 BAR AT EACH FACE				
	6" CMU	8" CMU	12" CMU	8" CMU	12" CMU	8" CMU	12" CMU	12" CMU	30"	35"
#4	24"	24"	24"	24"	24"	24"	24"	24"		
#5	30"	30"	30"	30"	30"	30"	30"	30"		
#6	53"	38"	36"	79"	57"	64"				

A/E PLEASE VERIFY AS PER GSN 5001 & 1900PSI, LAP SCHEDULE FOLLOWED AND CONSIDERED MIN. LAP LENGTH NOT LESS THAN 48" BAR DIA. AS PER GSN CONCRETE MASONRY WALL NOTE# 4D.



**ALL BARS IN THIS DRAWING
 ASTM A615 GRADE 60
 BLACK UNCOATED**

REBAR GRADE 60 ASTM A-615

SPLICES USED

CLASS B 4,000 psi UNO	
TOP BARS	OTHER BARS
#3	#3
#4	#4
#5	#5
#6	#6
#7	#7
#8	#8
#9	#9
#10	#10
#11	#11
#14	#14

ABBREVIATIONS

ADD.	= Additional
B.O.W.	= Bottom of wall
C.B.	= Corner Bars
DIAG.	= Diagonal
D.O.	= Door Opening
D.W.L.S.	= Dowels
E.F.	= Each Face
E.S.	= Each Side
E.W.	= Each Way
FTG.	= Footing
F.F.	= Far Face
HORIZ.	= Horizontal
I.F.	= Inside Face
INTERS.	= Intersection
L.W.	= long Way
N.F.	= Near Face
O.F.	= Outside Face
S.W.	= Short Way
T&B	= Top & Bottom
T.O.W.	= Top of Wall
Trans.	= Transverse
VERT.	= Vertical

BAR MARK SIZE EQUIVALENT	
Imperial	Soft Metric
#3	#10
#4	#13
#5	#16
#6	#19
#7	#22
#8	#25
#9	#29
#10	#32
#11	#36

**PORT JERVIS MIDDLE SCHOOL
 AREA-A MASONRY WALL REINFORCEMENT DETAILS
 ORANGE COUNTY, NY USA**

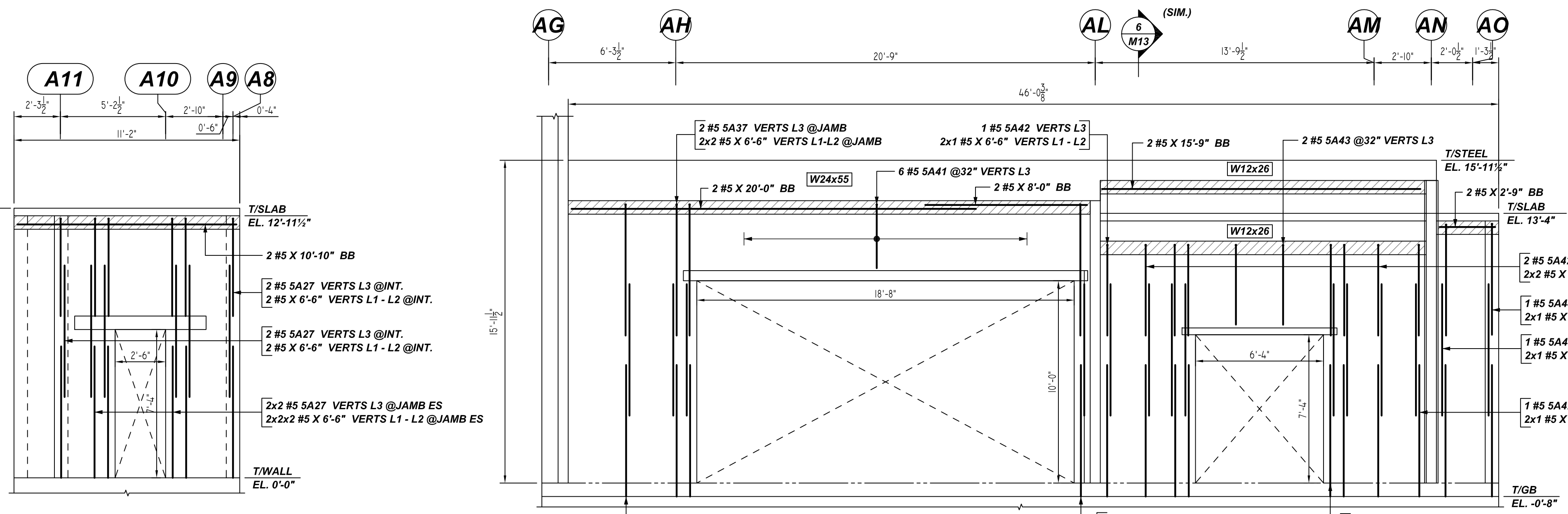
CUSTOMER: HULL CONSTRUCTION
 DESIGNER: -

REV NO	DATE	SENT FOR	REV NO	DATE	SENT FOR
0	06.10.22	APPROVAL			

DRAWN BY	DATE	JOB NO	SHEET NO.
RS/MET	06/10/22	M92270465P	M05

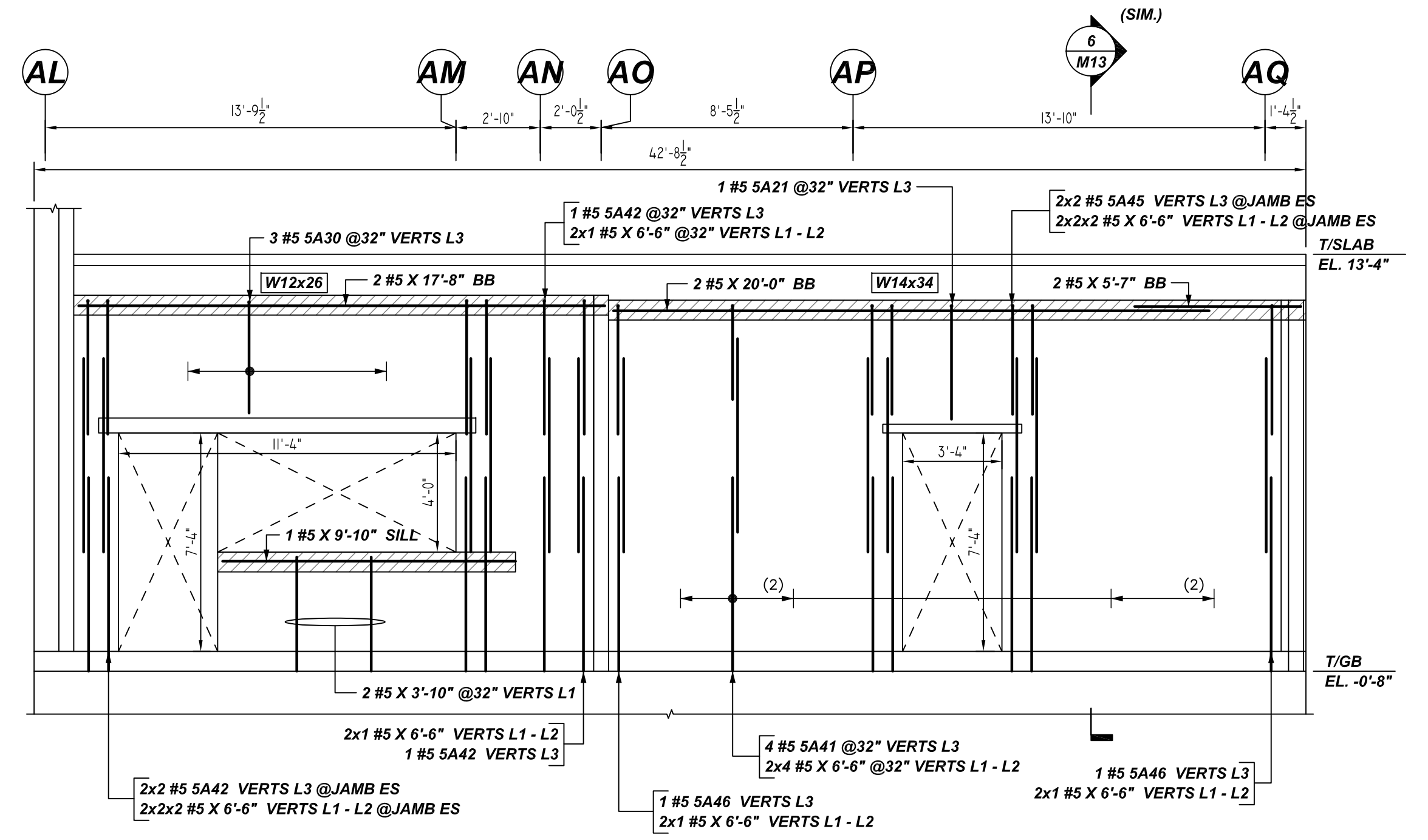
NOTICE
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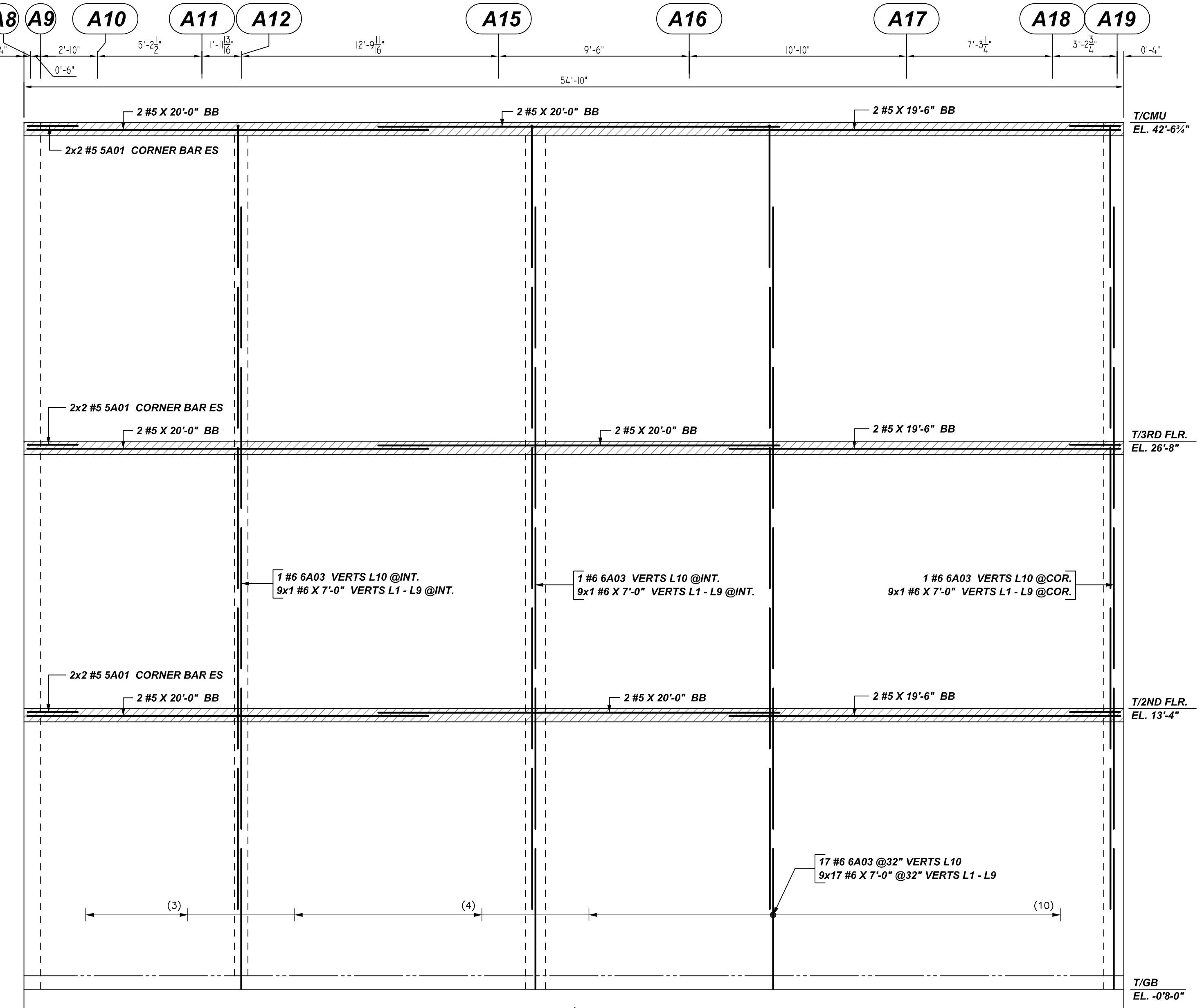


W ELEVATION
 SCALE: 1/4" = 1'-0"
 REF: S100, S104, S105 & A100

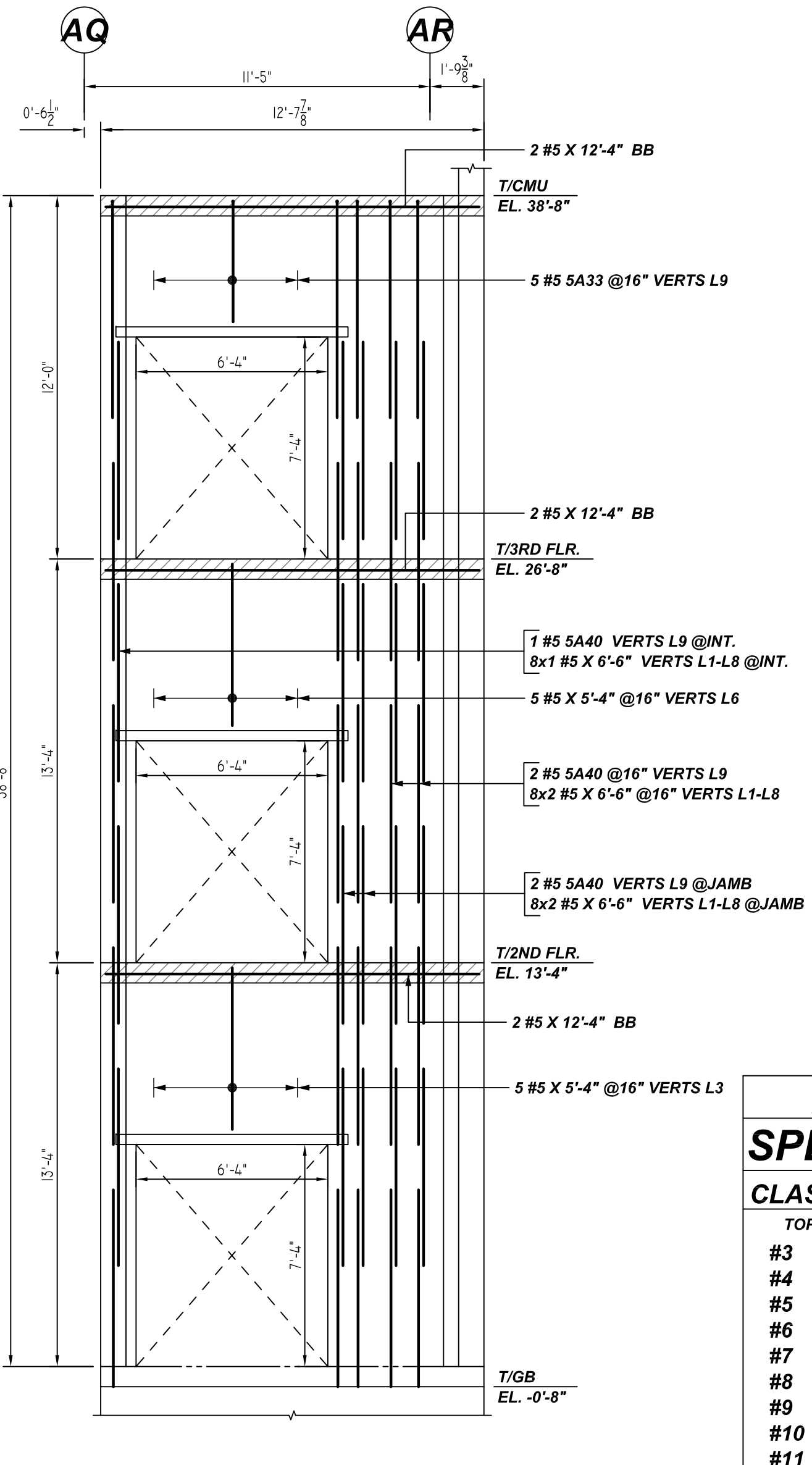
Y ELEVATION
 SCALE: 1/4" = 1'-0"
 REF: S100, S104, S105 & A100



Z ELEVATION
 SCALE: 1/4" = 1'-0"
 REF: S100, S104, S105 & A100



AA ELEVATION
 SCALE: 1/4" = 1'-0"
 REF: S100, S104, S105 & A100



AB ELEVATION
 SCALE: 1/4" = 1'-0"
 REF: S100, S104, S105 & A100

Bar Mark	Qty	Size	Total Length	Type	X'	Y'	Z'	BAR LIST	W'	V'	U'	T'	S'	R'	Q'	P'	O'	N'	M'	L'	K'	J'	I'	H'	G'	F'	E'	D'	C'	B'	A'					
S401	12	#5	5'-0"	1	0'-7"	3'-10"	2'-6"																													
S402	8	#5	5'-5"	1	0'-7"	4'-10"																														
S403	3	#5	4'-4"	1	0'-7"	3'-9"																														
S404	5	#5	4'-7"	1	0'-7"	4'-0"																														
S405	4	#5	7'-1"	1	0'-7"	6'-6"																														
S406	5	#5	7'-9"	1	0'-7"	7'-2"																														
S407	10	#5	3'-9"	1	0'-7"	3'-2"																														
S408	14	#5	5'-1"	1	0'-7"	4'-2"																														
S409	2	#5	4'-6 1/2"	1	0'-7"	3'-11 1/2"																														
S410	2	#5	6'-1"	1	0'-7"	5'-6"																														
S411	4	#5	4'-3"	1	0'-7"	3'-8"																														
S412	2	#5	4'-11"	1	0'-7"	4'-4"																														
S413	20	#5	7'-9"	1	0'-8"	7'-1"																														

LEGEND

NO. OF LOCATION
 NO. OF LIFT
 NO. OF BARS

NO. OF LIFT
 (COR) NO. OF LOCATION
 NO. OF BARS

LIFT 1 TO LIFT 6
 2x1 #5X6'-6" VERTS L1-L6

**ALL BARS IN THIS DRAWING
 ASTM A615 GRADE 60
 BLACK UNCOATED**

LAP SCHEDULE

BAR#	1 BAR AT CENTER OF WALL						2 BAR AT EACH FACE					
	6" CMU	8" CMU	12" CMU	8" CMU	12" CMU	BOND BEAM	6" CMU	8" CMU	12" CMU	8" CMU	12" CMU	
#4	24"	24"	24"	24"	24"	24"	30"	30"	30"	39"	30"	24"
#5	30"	30"	30"	30"	39"	30"	35"	35"	35"	35"	35"	35"
#6	53"	38"	36"	79"	57"	64"						

PLEASE VERIFY AS PER GSN S001 & 1900PSI, LAP SCHEDULE FOLLOWED AND CONSIDERED MIN. LAP LENGTH NOT LESS THAN 48XBAR DIA. AS PER GSN CONCRETE MASONRY WALL NOTE# 4D.

REBAR GRADE 60 ASTM A-615

SPLICES USED		ABBREVIATIONS		BAR MARK SIZE EQUIVALENT	
CLASS B 4,000 psi UNO				Imperial	Soft Metric
TOP BARS	OTHER BARS	ADD.	Additional	#3	#10
#3	#3	B.O.W.	Bottom of wall	#4	#13
#4	#4	C.B.	Corner Bars	#5	#16
#5	#5	DIAG.	Diagonal	#6	#19
#6	#6	D.O.	Door Opening	#7	#22
#7	#7	D.W.L.S.	Dowels	#8	#25
#8	#8	E.F.	Each Face	#9	#29
#9	#9	E.S.	Each Side	#10	#32
#10	#10	E.W.	Each Way	#11	#36
#11	#11	FTG.	Footing		
#12	#12	F.F.	Far Face		
#13	#13	HORIZ.	Horizontal		
#14	#14	I.F.	Inside Face		
		INTERS.	Intersection		
		L.W.	long Way		
		N.F.	Near Face		
		O.F.	Outside Face		
		S.W.	Short Way		
		T&B	Top & Bottom		
		T.O.W.	Top of Wall		
		Trans.	Transverse		
		VERT.	Vertical		

PORT JERVIS MIDDLE SCHOOL
 AREA-A MASONRY WALL REINFORCEMENT DETAILS
 ORANGE COUNTY, NY USA

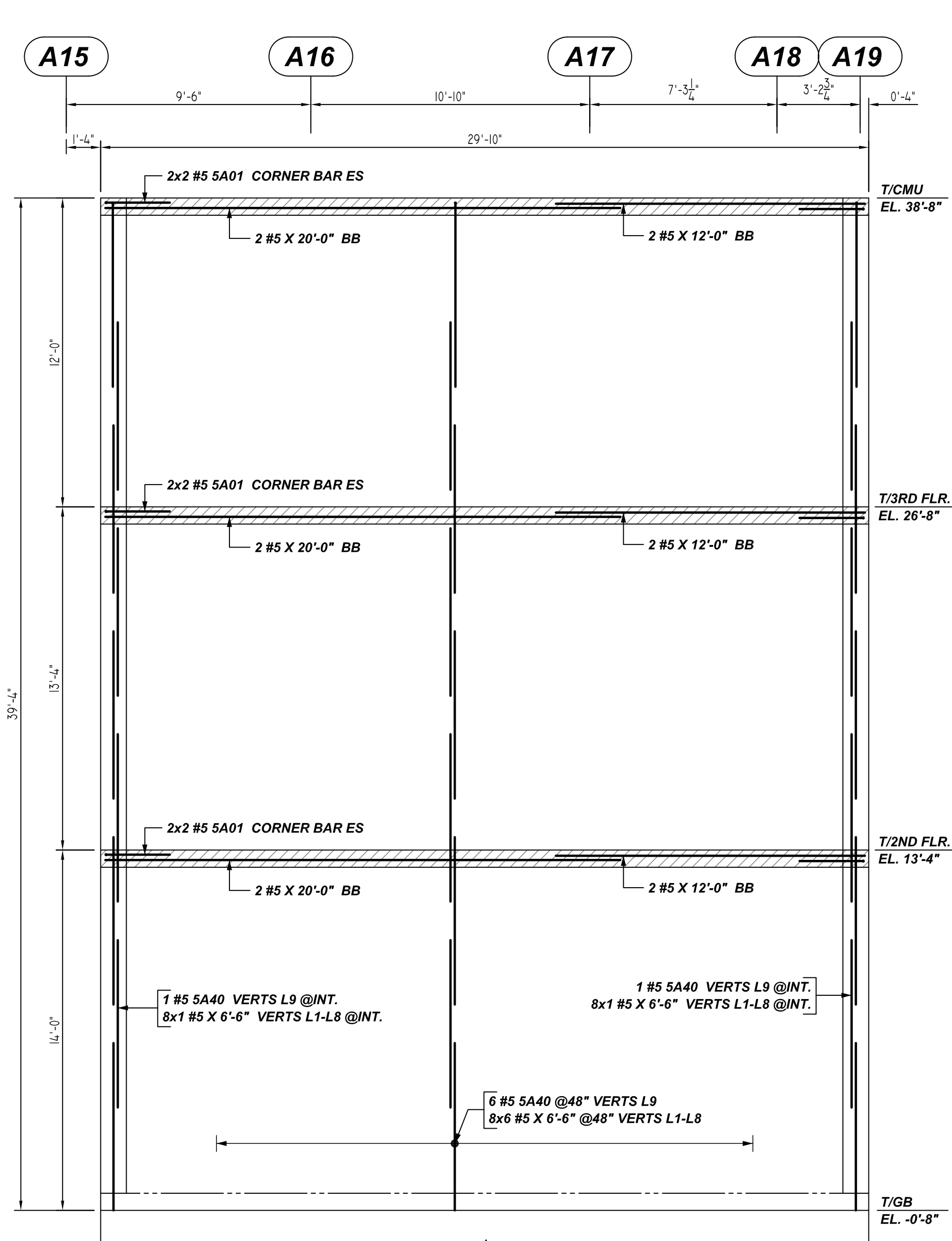
CUSTOMER: HULL CONSTRUCTION
 DESIGNER: -

REV NO	DATE	APPROVAL	REV NO	DATE	SENT FOR	DRAWN BY	DATE	JOB NO	SHEET NO.
0	06.10.22					RS/MET	06/10/22	M92270465P	M06

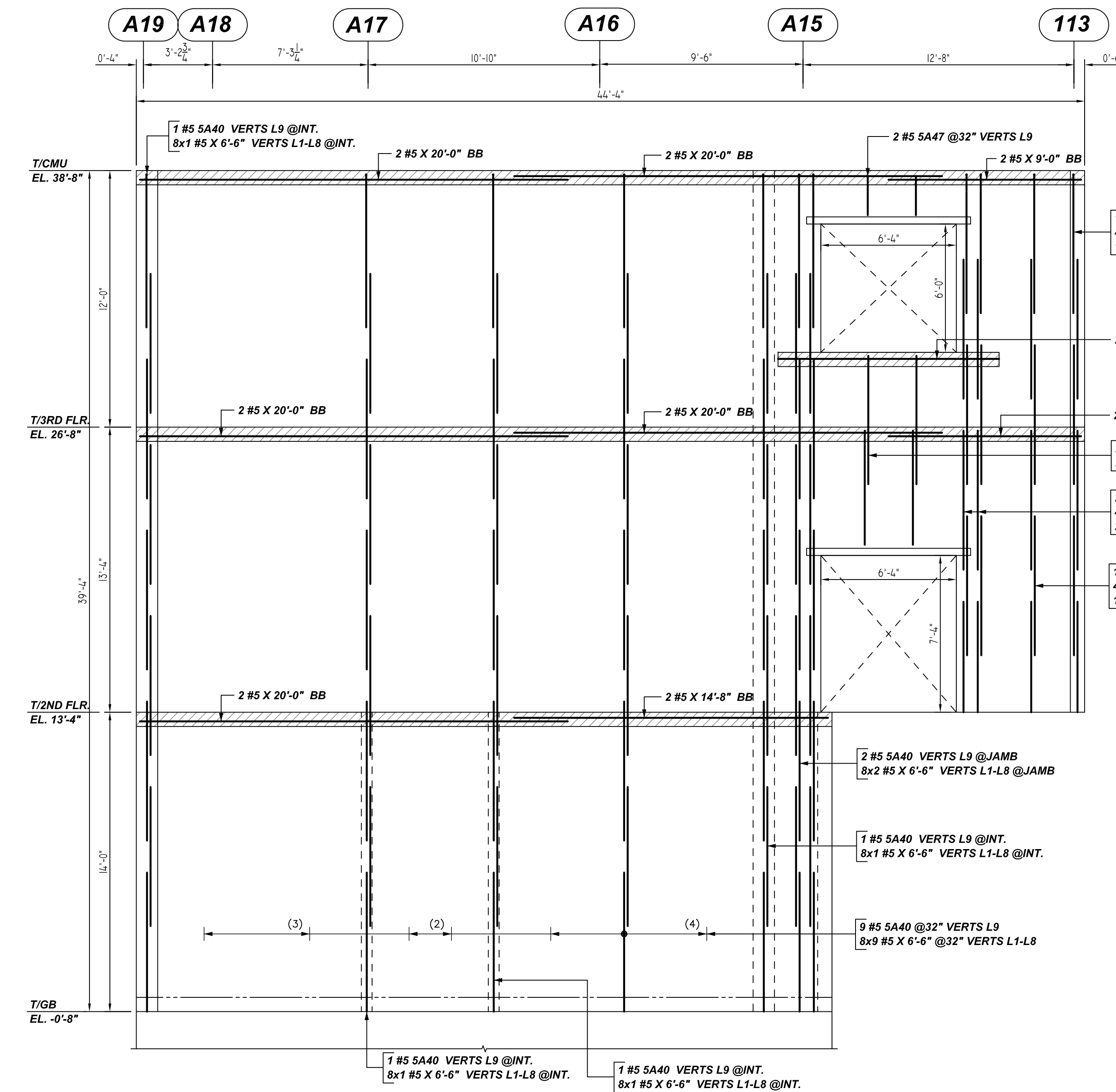
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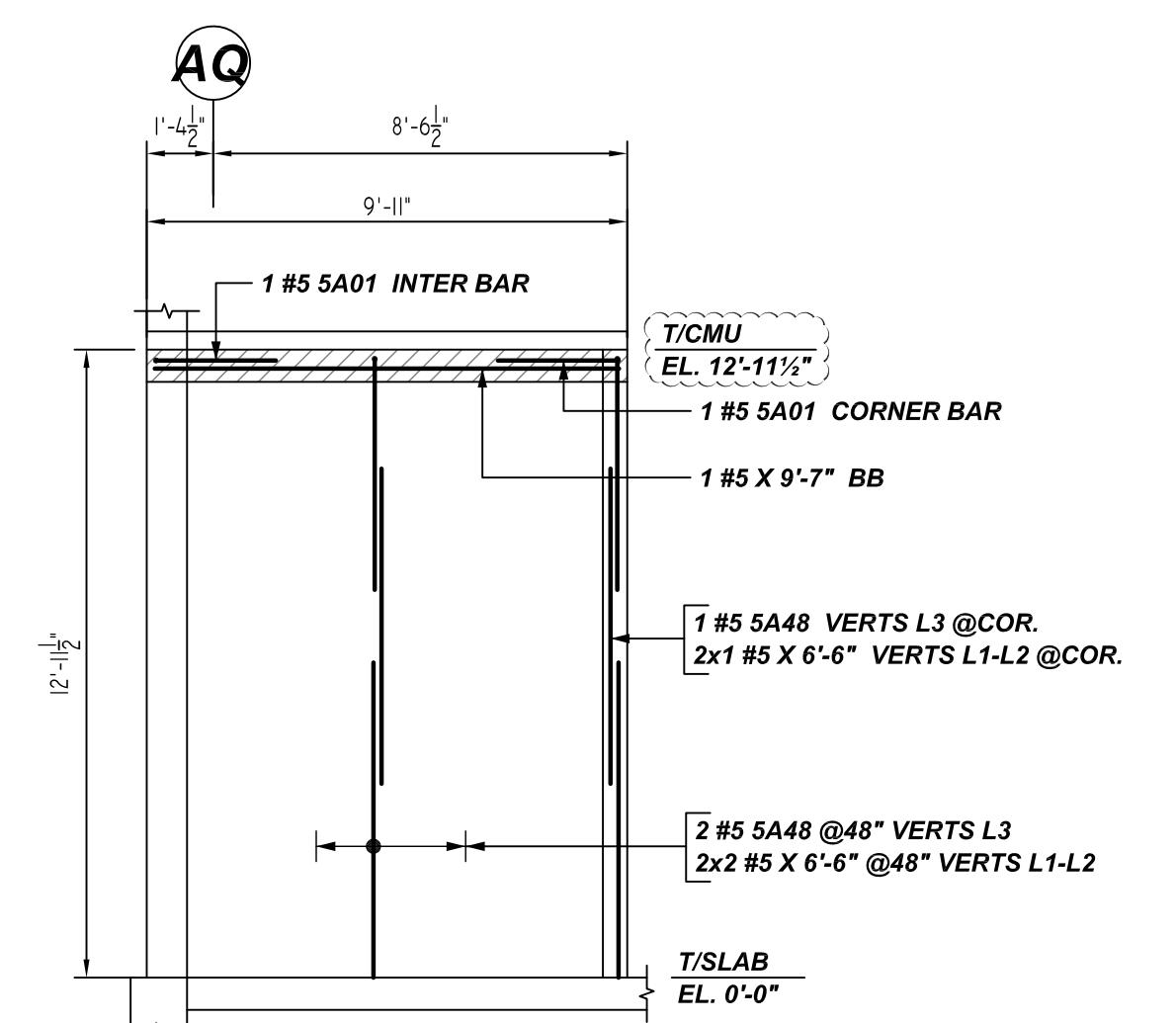
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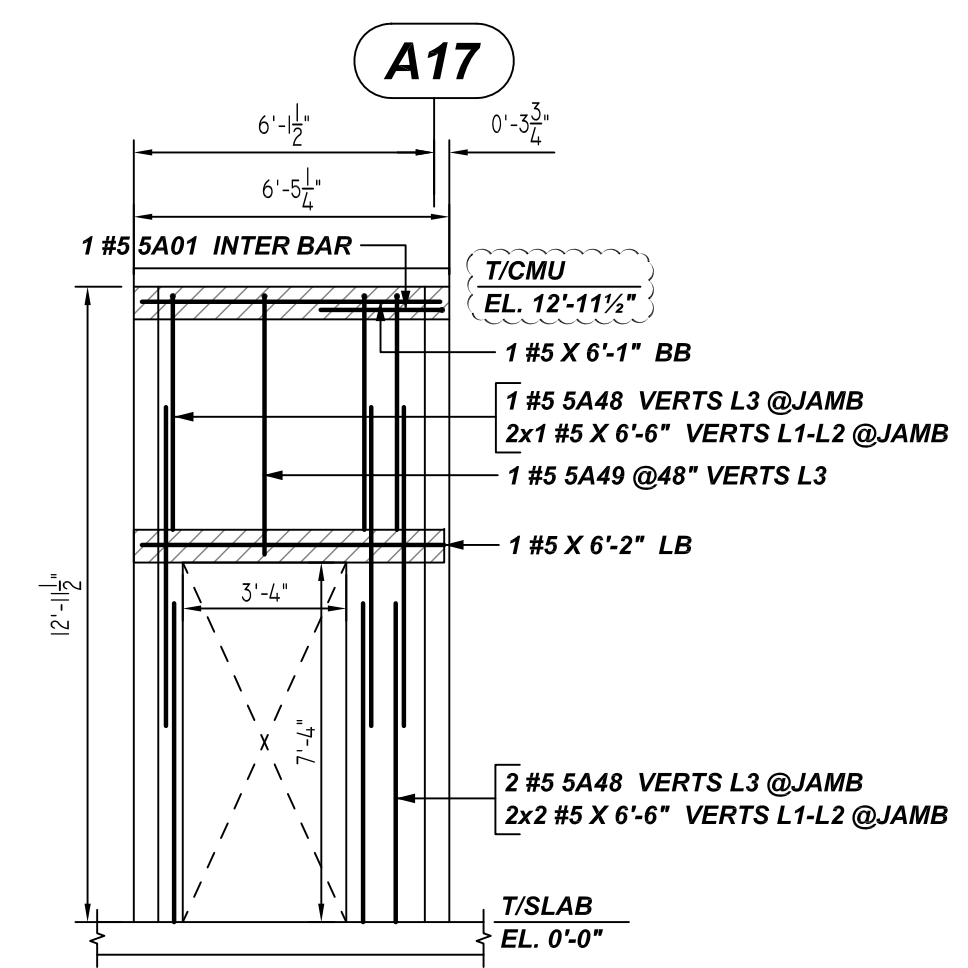
AC ELEVATION
SCALE: 1/4" = 1'-0"
REF: S100, S104, S105 & A100



AD ELEVATION
SCALE: 1/4" = 1'-0"
REF: S100, S104, S105 & A100



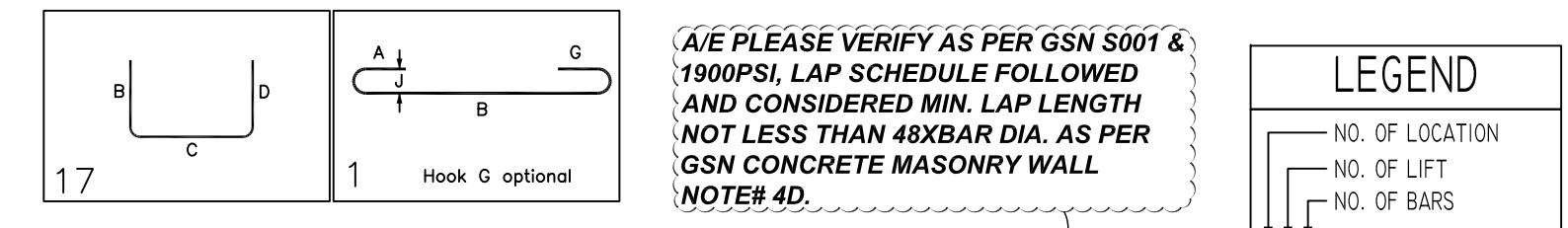
AE ELEVATION
SCALE: 1/4" = 1'-0"
REF: S100, S104, S105 & A100



AF ELEVATION
SCALE: 1/4" = 1'-0"
REF: S100, S104, S105 & A100

- 1 #5 5A37 VERTS L9 @INT.
- 4x1 #5 X 6'-6" VERTS L5-L8 @INT.
- 1 #5 X 5'-2" VERTS L4 @INT.
- 2 #5 X 10'-4" SILL
- 2 #5 X 9'-0" BB
- 2 #5 X 6'-0" @32" VERTS L7
- 2 #5 X 5'-4" @32" VERTS L6
- 2 #5 5A37 VERTS L9 @JAMB
- 4x2 #5 X 6'-6" VERTS L5-L8 @JAMB
- 2 #5 X 5'-2" VERTS L4 @JAMB
- 1 #5 5A37 @32" VERTS L9
- 4x1 #5 X 6'-6" @32" VERTS L5-L8
- 1 #5 X 5'-2" @32" VERTS L4
- 2 #5 5A40 VERTS L9 @JAMB
- 8x2 #5 X 6'-6" VERTS L1-L8 @JAMB
- 1 #5 5A40 VERTS L9 @INT.
- 8x1 #5 X 6'-6" VERTS L1-L8 @INT.
- 9 #5 5A40 @32" VERTS L9
- 8x9 #5 X 6'-6" @32" VERTS L1-L8
- 1 #5 5A40 VERTS L9 @INT.
- 8x1 #5 X 6'-6" VERTS L1-L8 @INT.
- 1 #5 5A40 VERTS L9 @INT.
- 8x1 #5 X 6'-6" VERTS L1-L8 @INT.

Bar Mark	Qty	Size	Total Length	Spac	X	Y	Z	W	BAR LIST	U	V	W	X	Y	Z
5A01	12	#5	5'-0"	17					2'-6"						
5A37	4	#5	7'-7"	1	0'-7"	6'-4"			2'-6"						
5A40	23	#5	7'-9"	1	0'-7"	7'-2"			2'-6"						
5A47	2	#5	2'-5"	1	0'-7"	1'-10"			2'-6"						
5A48	6	#5	5'-4 1/2"	1	0'-7"	4'-9 1/2"			2'-6"						
5A49	1	#5	5'-10 1/2"	1	0'-7"	5'-3 1/2"			2'-6"						



LAP SCHEDULE

BAR#	1 BAR AT CENTER OF WALL			2 BAR AT EACH FACE		
	6" CMU	8" CMU	12" CMU	8" CMU	12" CMU	BOND BEAM
#4	24"	24"	24"	24"	24"	24"
#5	30"	30"	30"	39"	30"	35"
#6	53"	38"	36"	79"	57"	64"

**ALL BARS IN THIS DRAWING
ASTM A615 GRADE 60
BLACK UNCOATED**

REBAR GRADE 60 ASTM A-615

SPLICES USED
CLASS B 4,000 psi UNO

TOP BARS	OTHER BARS
#3	#3
#4	#4
#5	#5
#6	#6
#7	#7
#8	#8
#9	#9
#10	#10
#11	#11
#14	#14

ABBREVIATIONS		BAR MARK SIZE EQUIVALENT	
ADD.	= Additional	Imperial	Soft Metric
B.O.W.	= Bottom of wall	#3	#10
C.B.	= Corner Bars	#4	#13
DIAG.	= Diagonal	#5	#16
D.O.	= Door Opening	#6	#19
DWLS.	= Dowels	#7	#22
E.F.	= Each Face	#8	#25
E.S.	= Each Side	#9	#29
E.W.	= Each Way	#10	#32
FTG.	= Footing	#11	#36
F.F.	= Far Face		
HORIZ.	= Horizontal		
I.F.	= Inside Face		
INTERS=	= Intersection		
L.W.	= long Way		
N.F.	= Near Face		
O.F.	= Outside Face		
S.W.	= Short Way		
T&B	= Top & Bottom		
T.O.W.	= Top of Wall		
Trans.	= Transverse		
VERT.	= Vertical		

**PORT JERVIS MIDDLE SCHOOL
AREA-A MASONRY WALL REINFORCEMENT DETAILS
ORANGE COUNTY, NY USA**

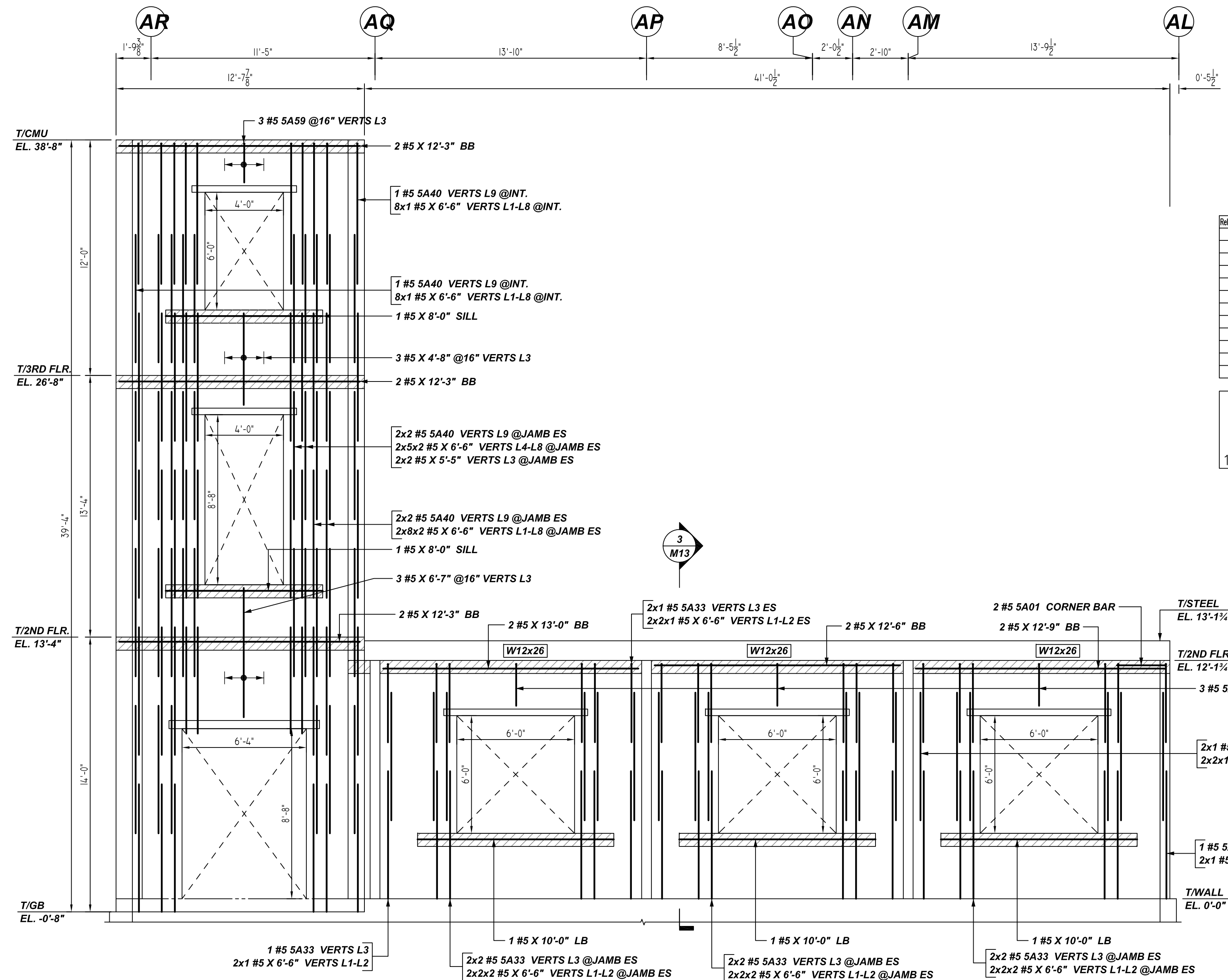
CUSTOMER: HULL CONSTRUCTION
DESIGNER: -

REV NO	DATE	APPROVAL	REV NO	DATE	SENT FOR
0	06.10.22				

RS/MET	DATE	JOB NO	SHEET NO.
	06/10/22	M92270465P	M07

NOTICE
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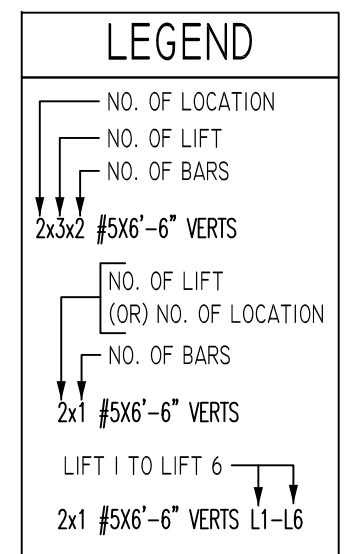
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AG ELEVATION
 SCALE: 1/4" = 1'-0"
 REF: S100, S104, S105 & A100

Release Number: M08

Bar Mark	Qty	Size	Total Length	Type	X'	Y'	Z'	X'	Y'	Z'	X'	Y'	Z'	X'	Y'	Z'	
SA01	7	#5	5'-0"	17			2'-6"										
SA02	2	#5	4'-1"	1	0'-7"		3'-6"										0'-5"
SA29	5	#5	6'-6"	1	0'-7"		5'-11"										0'-5"
SA33	18	#5	4'-7"	1	0'-7"		4'-0"										0'-5"
SA40	10	#5	7'-9"	1	0'-7"		7'-2"										0'-5"
SA48	19	#5	5'-4"	1	0'-7"		4'-9"										0'-5"
SA49	7	#5	5'-10"	1	0'-7"		5'-3"										0'-5"
SA50	12	#5	6'-9"	1	0'-7"		5'-5"										0'-5"
SA51	1	#5	5'-10"	1	0'-7"		5'-3"										0'-5"
SA59	3	#5	2'-7"	1	0'-7"		2'-0"										0'-5"
SA60	3	#5	2'-8"	1	0'-7"		2'-1"										0'-5"

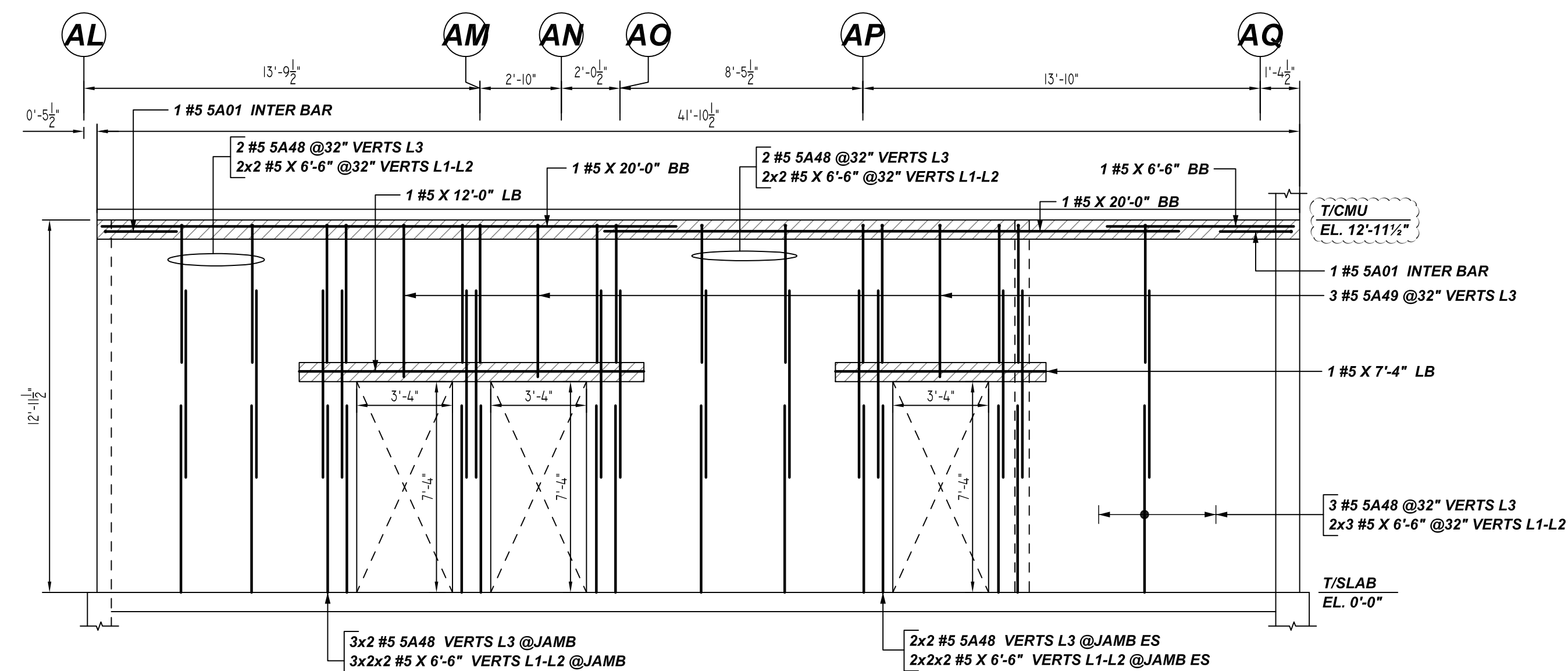


LAP SCHEDULE

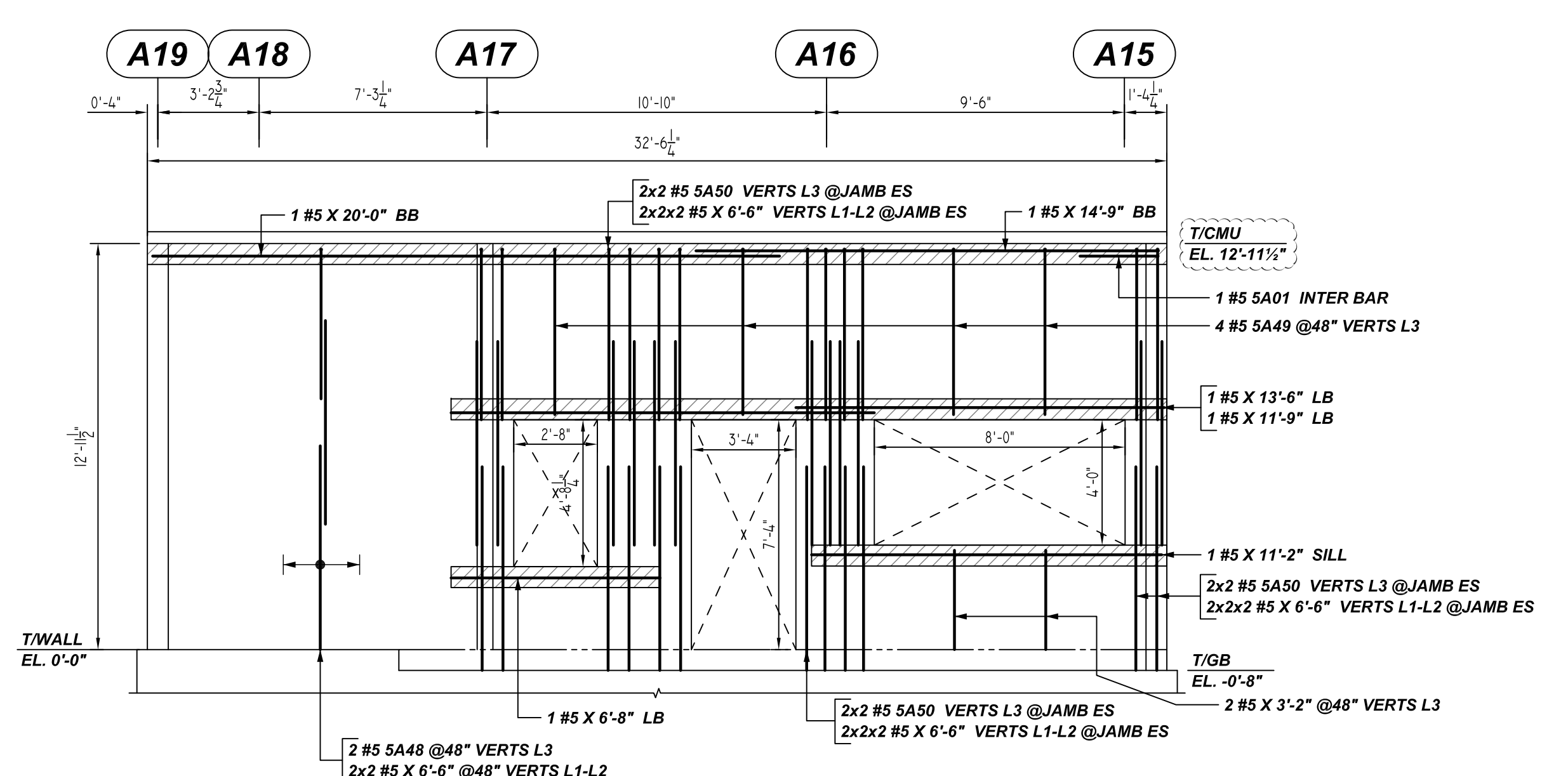
BAR#	1 BAR AT CENTER OF WALL			2 BAR AT EACH FACE		
	6" CMU	8" CMU	12" CMU	8" CMU	12" CMU	BOND BEAM
#4	24"	24"	24"	24"	24"	24"
#5	30"	30"	30"	39"	30"	35"
#6	53"	38"	36"	79"	57"	64"

PLEASE VERIFY AS PER GSN S001 & 1900PSI. LAP SCHEDULE FOLLOWED AND CONSIDERED MIN. LAP LENGTH NOT LESS THAN 48XBAR DIA. AS PER GSN CONCRETE MASONRY WALL NOTE# 4D.

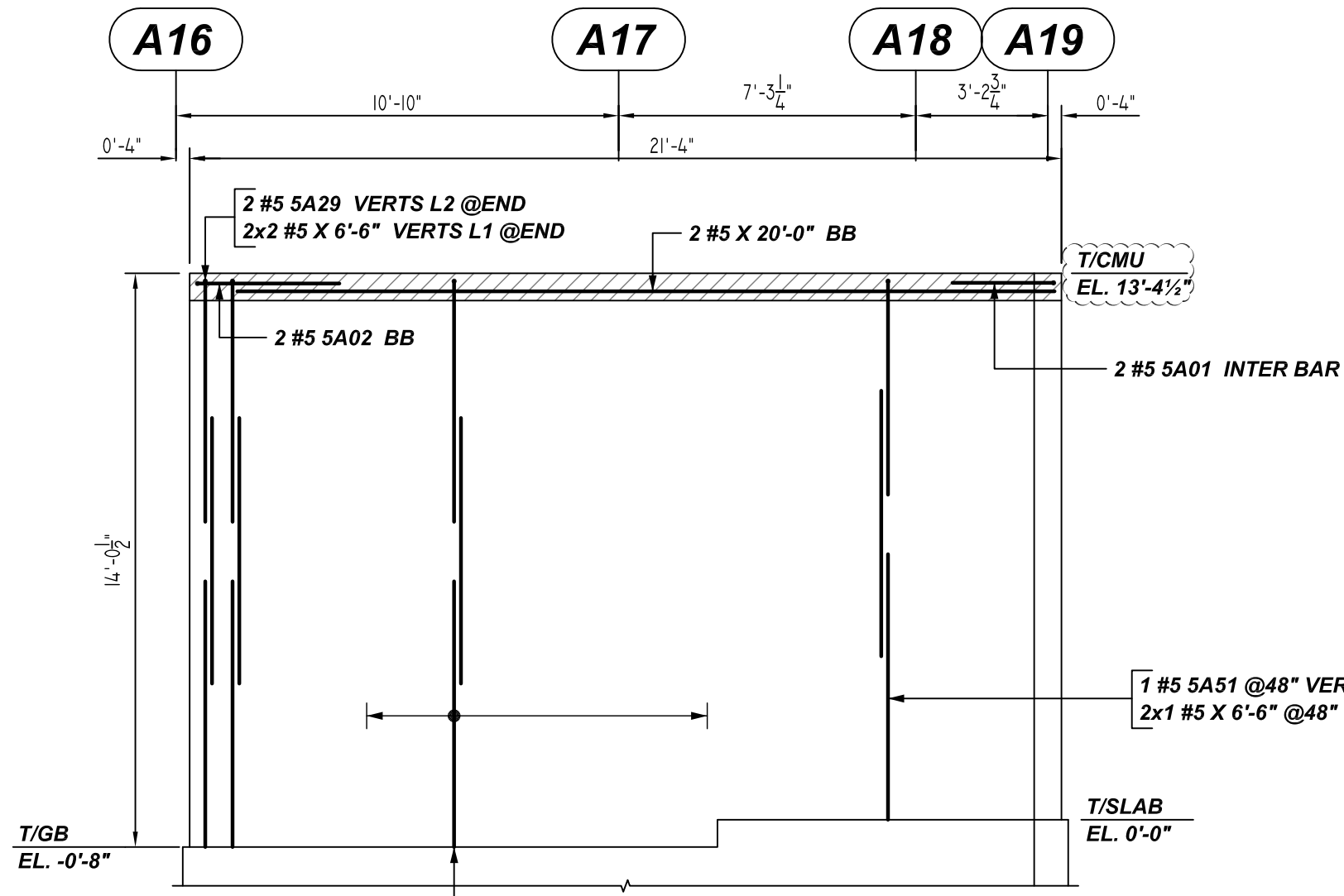
ALL BARS IN THIS DRAWING
 ASTM A615 GRADE 60
 BLACK UNCOATED



AH ELEVATION
 SCALE: 1/4" = 1'-0"
 REF: S100, S104, S105 & A100



AJ ELEVATION
 SCALE: 1/4" = 1'-0"
 REF: S100, S104, S105 & A100



AK ELEVATION
 SCALE: 1/4" = 1'-0"
 REF: S100, S104, S105 & A100

REBAR GRADE 60 ASTM A-615

SPLICES USED
 CLASS B 4,000 psi UNO

TOP BARS	OTHER BARS
#3	#3
#4	#4
#5	#5
#6	#6
#7	#7
#8	#8
#9	#9
#10	#10
#11	#11
#14	#14

ABBREVIATIONS

- ADD. = Additional
- B.O.W. = Bottom of wall
- C.B. = Corner Bars
- DIAG. = Diagonal
- D.O. = Door Opening
- DWLS. = Dowels
- E.F. = Each Face
- E.S. = Each Side
- E.W. = Each Way
- FTG. = Footing
- F.F. = Far Face
- HORIZ. = Horizontal
- I.F. = Inside Face
- INTERS. = Intersection
- L.W. = Long Way
- N.F. = Near Face
- O.F. = Outside Face
- S.W. = Short Way
- T&B = Top & Bottom
- T.O.W. = Top of Wall
- Trans. = Transverse
- VERT. = Vertical

BAR MARK SIZE EQUIVALENT

Imperial	Soft Metric
#3	#10
#4	#13
#5	#16
#6	#19
#7	#22
#8	#25
#9	#29
#10	#32
#11	#36

PORT JERVIS MIDDLE SCHOOL
 AREA-A MASONRY WALL REINFORCEMENT DETAILS
ORANGE COUNTY, NY USA

CUSTOMER: HULL CONSTRUCTION
 DESIGNER: -

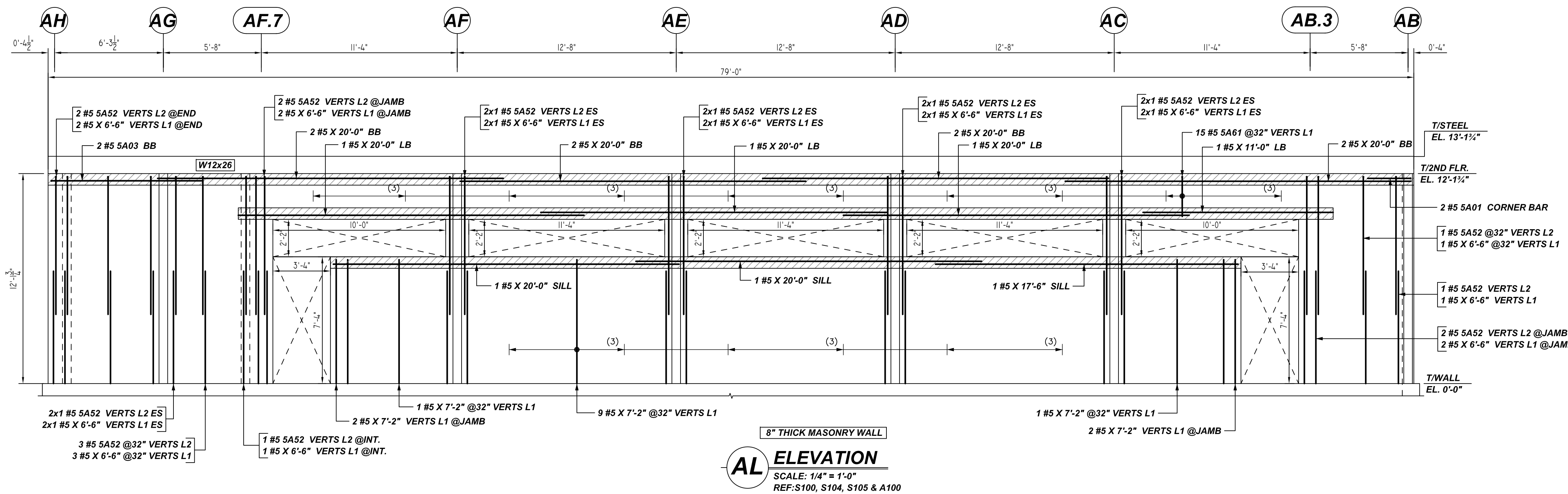
REV NO	DATE	APPROVAL	SENT FOR	REV NO	DATE	SENT FOR
0	06.10.22					

DRAWN BY	DATE	JOB NO	SHEET NO.
RS/MET	06/10/22	M92270465P	M08

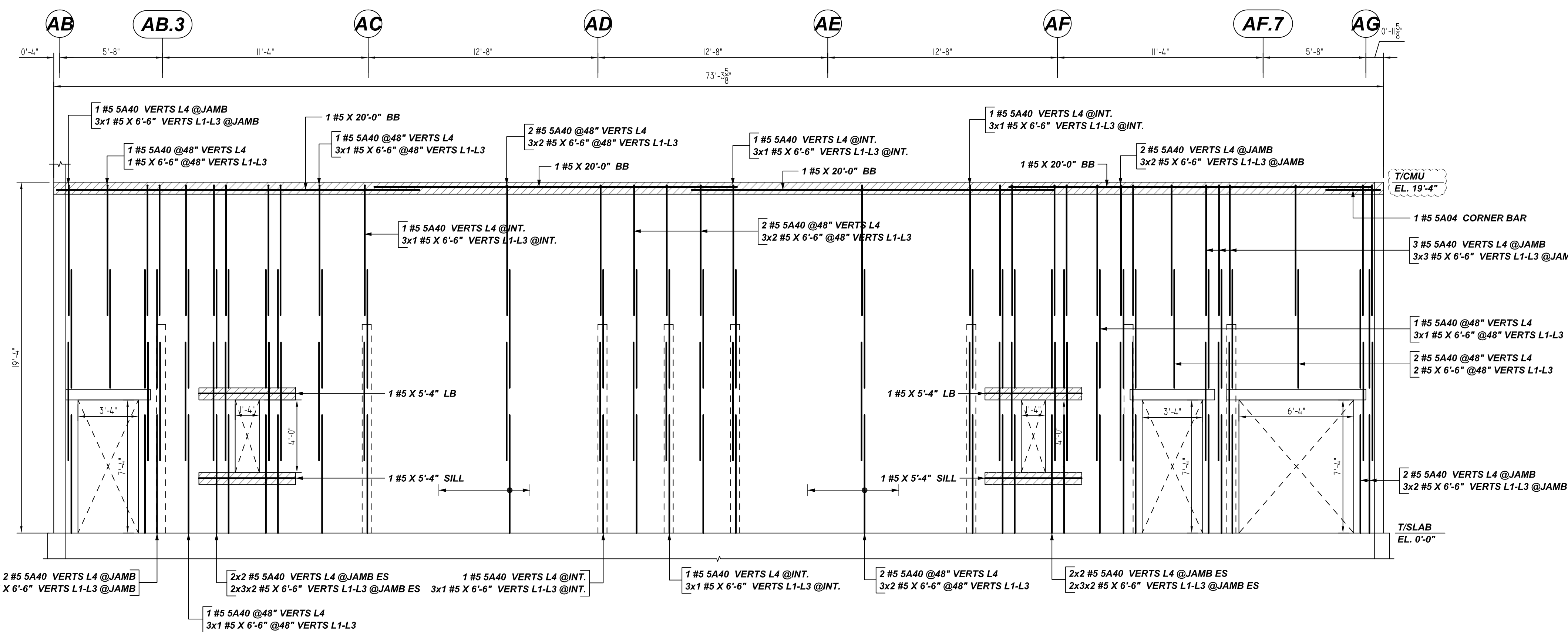
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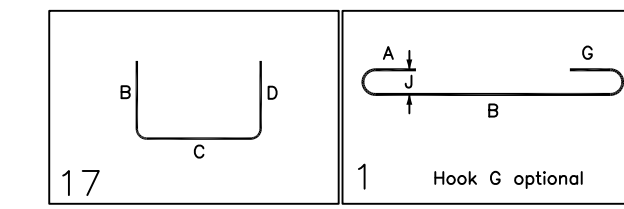


AL ELEVATION
SCALE: 1/4" = 1'-0"
REF: S100, S104, S105 & A100



AM ELEVATION
SCALE: 1/4" = 1'-0"
REF: S100, S104, S105 & A100

Bar Mark	Qty	Size	Total Length	Type	X	Y	Z	W	V	U	T	S	R	Q	P	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A		
SA01	2	#5	5'-0"	17																												
SA03	2	#5	9'-4"	1	0'-7"																											
SA04	1	#5	5'-5"	17																												
SA40	35	#5	7'-2"	1	0'-7"																											
SA52	22	#5	8'-6"	1	0'-7"																											
SA61	15	#5	7'-10"	1	0'-7"																											



ALL BARS IN THIS DRAWING
ASTM A615 GRADE 60
BLACK UNCOATED

BAR#	1 BAR AT CENTER OF WALL				2 BAR AT EACH FACE	
	6" CMU	8" CMU	12" CMU	8" CMU	12" CMU	BOND BEAM
#4	24"	24"	24"	24"	24"	24"
#5	30"	30"	30"	39"	30"	35"
#6	53"	38"	36"	79"	57"	64"

A/E PLEASE VERIFY AS PER GSN S001 & 1900PSI, LAP SCHEDULE FOLLOWED AND CONSIDERED MIN. LAP LENGTH NOT LESS THAN 48XBAR DIA. AS PER GSN CONCRETE MASONRY WALL NOTE# 4D.

REBAR GRADE 60 ASTM A-615			
SPLICES USED		ABBREVIATIONS	BAR MARK SIZE EQUIVALENT
CLASS B 4,000 psi UNO		ADD. = Additional	Imperial Soft Metric
		B.O.W. = Bottom of wall	
		C.B. = Corner Bars	#3 #10
		DIAG. = Diagonal	
		D.O. = Door Opening	#4 #13
		DWLS. = Dowels	
		E.F. = Each Face	#5 #16
		E.S. = Each Side	
		E.W. = Each Way	#6 #19
		FTG. = Footing	
		F.F. = Far Face	#7 #22
		HORIZ. = Horizontal	
		I.F. = Inside Face	#8 #25
		INTERS. = Intersection	
		L.W. = long Way	#9 #29
		N.F. = Near Face	
		O.F. = Outside Face	#10 #32
		S.W. = Short Way	
		T&B = Top & Bottom	#11 #36
		T.O.W. = Top of Wall	
		Trans. = Transverse	
		VERT. = Vertical	

PORT JERVIS MIDDLE SCHOOL
AREA-A MASONRY WALL REINFORCEMENT DETAILS
ORANGE COUNTY, NY USA

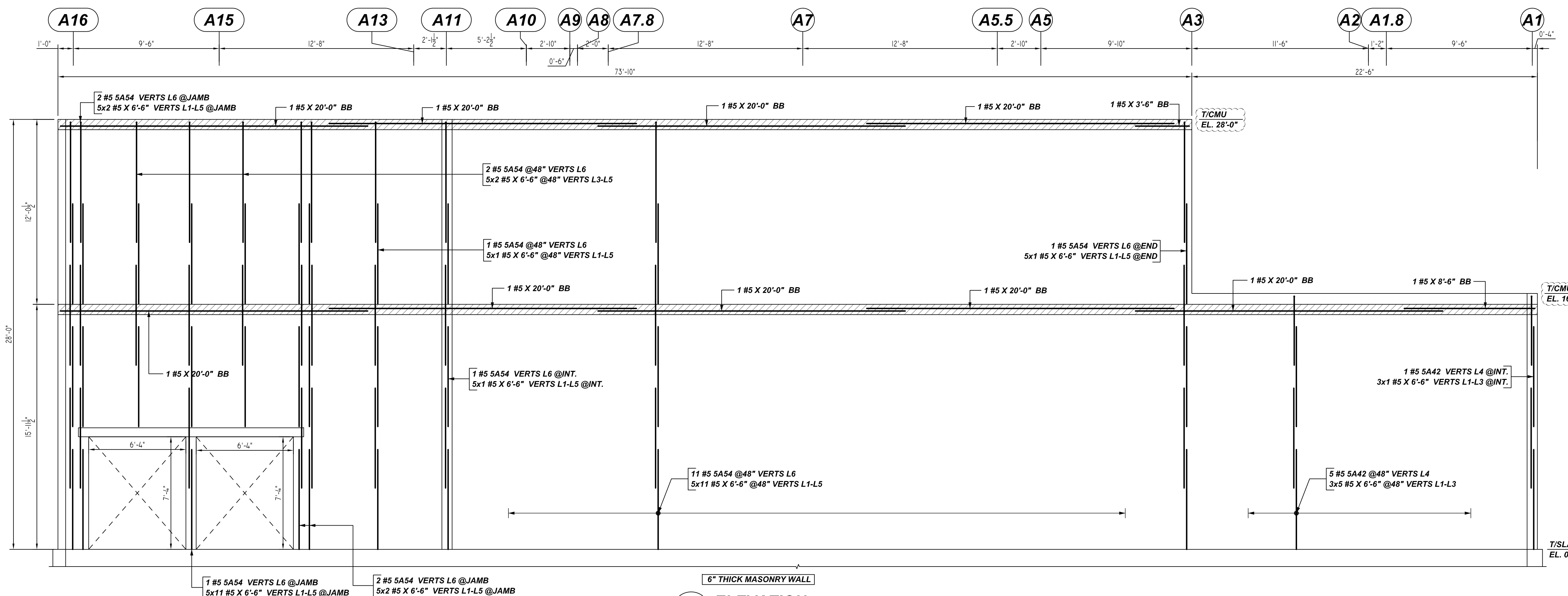
CUSTOMER: HULL CONSTRUCTION
DESIGNER: -

0	06.10.22	APPROVAL				DRAWN BY	DATE	JOB NO	SHEET NO.
REV NO	DATE	SENT FOR	REV NO	DATE	SENT FOR	RS/MET	06/10/22	M92270465P	M09

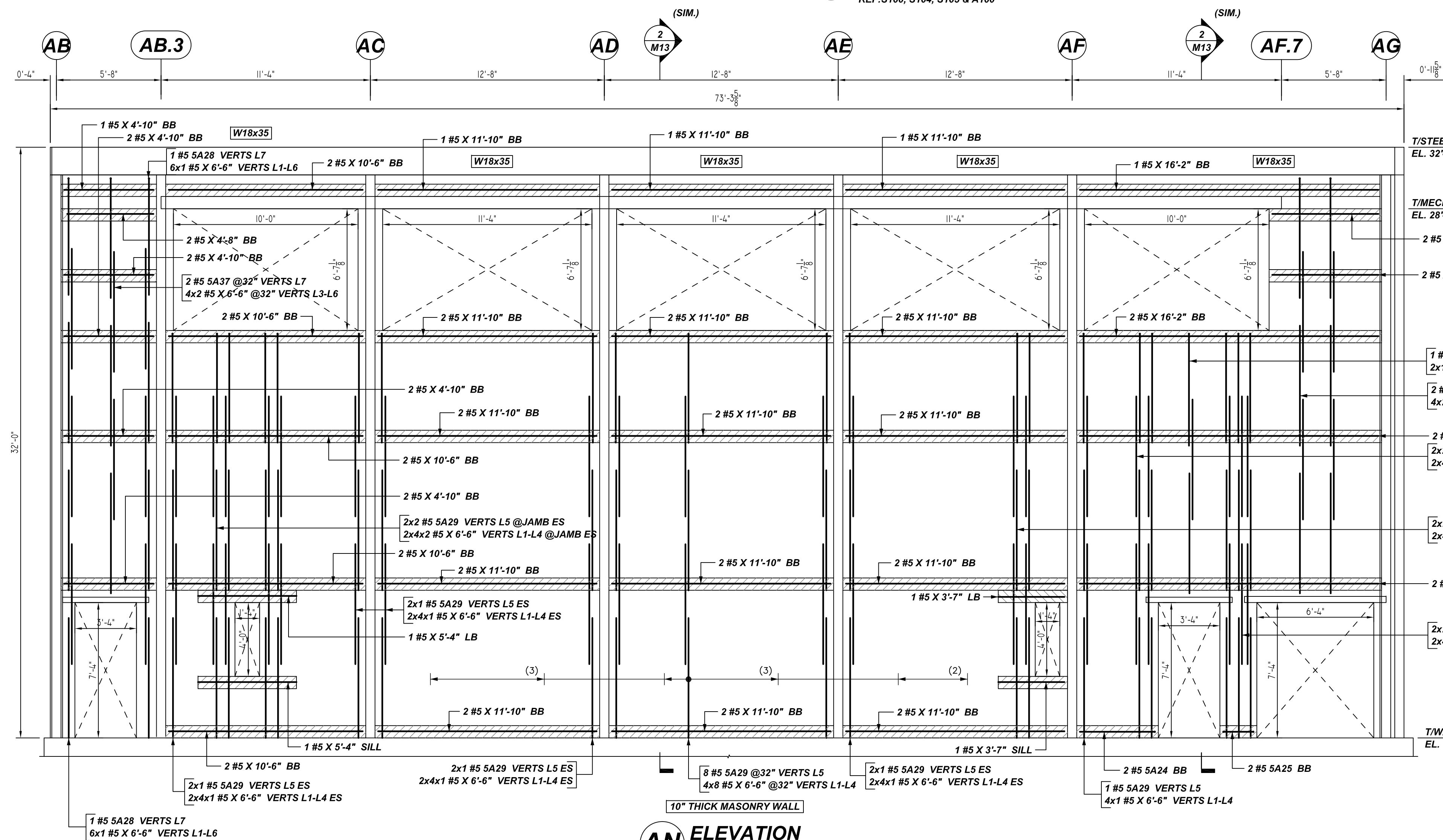
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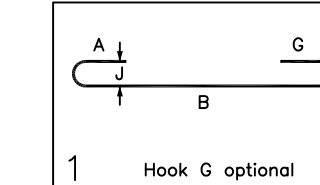


AP ELEVATION
SCALE: 1/4" = 1'-0"
REF: S100, S104, S105 & A100



AN ELEVATION
SCALE: 1/4" = 1'-0"
REF: S100, S104, S105 & A100

Bar Mark	Qty	Size	Total Length	Type	X'	Y'	Z'	V'	W'	U'	T'	S'	R'	Q'	P'	O'	N'	M'	L'	K'	J'	I'	H'	G'	F'	E'	D'	C'	B'	A'
5A24	2	#5	4'-8"	1	0'-7"	4'-1"																								
5A25	2	#5	2'-10"	1	0'-7"	1'-8"																								
5A28	2	#5	6'-11"	1	0'-7"	6'-4"																								
5A29	33	#5	6'-8"	1	0'-7"	5'-11"																								
5A31	4	#5	7'-11"	1	0'-7"	6'-8"																								
5A42	6	#5	5'-11"	1	0'-7"	4'-6"																								
5A44	21	#5	8'-5"	1	0'-7"	7'-10"																								
5A65	1	#5	6'-8"	1	0'-7"	6'-1"																								



**ALL BARS IN THIS DRAWING
ASTM A615 GRADE 60
BLACK UNCOATED**

LEGEND

- NO. OF LOCATION
- NO. OF LIFT
- NO. OF BARS
- 2x3x2 #5x6'-6" VERTS
- NO. OF LIFT (OR) NO. OF LOCATION
- NO. OF BARS
- 2x1 #5x6'-6" VERTS
- LIFT 1 TO LIFT 6
- 2x1 #5x6'-6" VERTS L1-L6

LAP SCHEDULE

BAR#	1 BAR AT CENTER OF WALL		2 BAR AT EACH FACE		BOND BEAM
	6" CMU	8" CMU	12" CMU	8" CMU	
#4	24"	24"	24"	24"	24"
#5	30"	30"	30"	39"	35"
#6	53"	38"	36"	79"	64"

A/E PLEASE VERIFY AS PER GSN S001 & 1900PSI, LAP SCHEDULE FOLLOWED AND CONSIDERED MIN. LAP LENGTH NOT LESS THAN 48XBAR DIA. AS PER GSN CONCRETE MASONRY WALL NOTE# 4D.

REBAR GRADE 60 ASTM A-615

SPLICES USED		ABBREVIATIONS	BAR MARK SIZE EQUIVALENT	
CLASS B 4,000 psi UNO			Imperial	Soft Metric
#3	#3	ADD. = Additional	#3	#10
#4	#4	B.O.W. = Bottom of wall	#4	#13
#5	#5	C.B. = Corner Bars	#5	#16
#6	#6	DIAG. = Diagonal	#6	#19
#7	#7	D.O. = Door Opening	#7	#22
#8	#8	DWLS. = Dowels	#8	#25
#9	#9	E.F. = Each Face	#9	#29
#10	#10	E.S. = Each Side	#10	#32
#11	#11	E.W. = Each Way	#11	#36
#14	#14	FTG. = Footing		
		F.F. = Far Face		
		HORIZ. = Horizontal		
		I.F. = Inside Face		
		INTERS. = Intersection		
		L.W. = Long Way		
		N.F. = Near Face		
		O.F. = Outside Face		
		S.W. = Short Way		
		T&B = Top & Bottom		
		T.O.W. = Top of Wall		
		Trans. = Transverse		
		VERT. = Vertical		

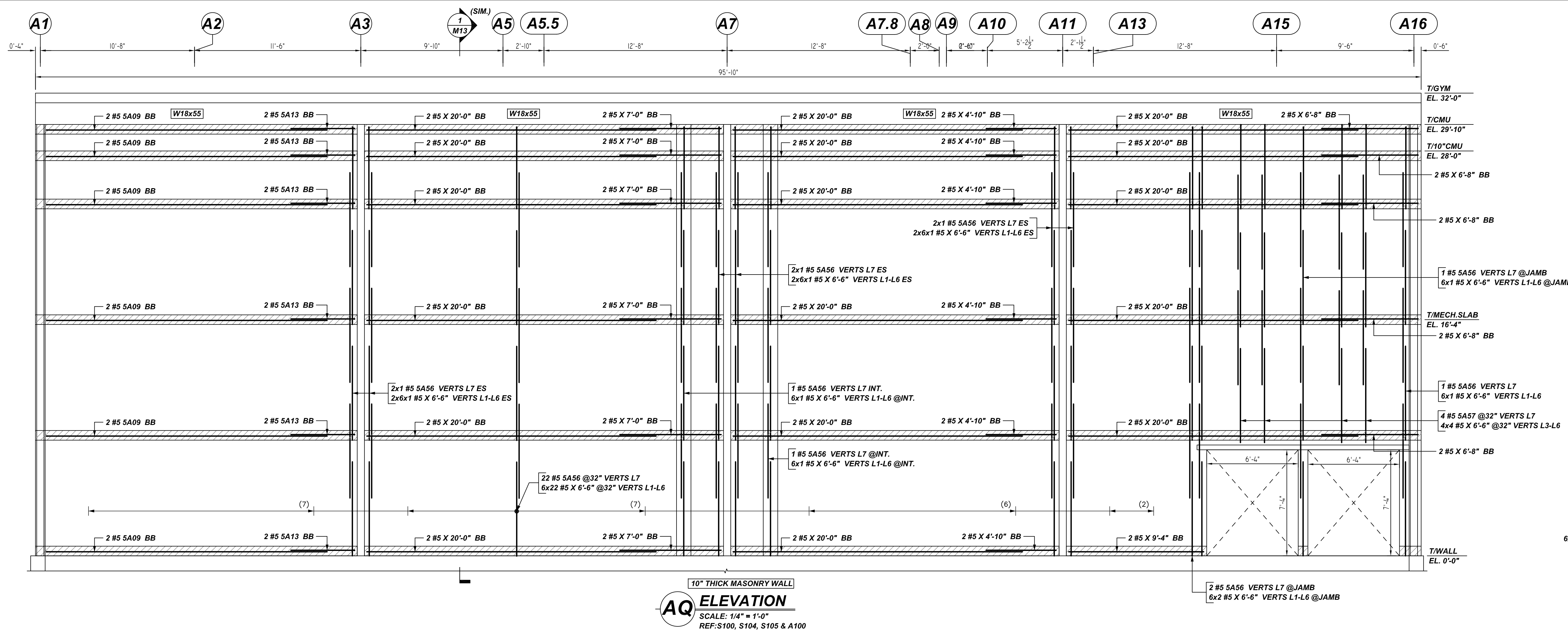
PORT JERVIS MIDDLE SCHOOL
AREA-A MASONRY WALL REINFORCEMENT DETAILS
ORANGE COUNTY, NY USA

CUSTOMER: HULL CONSTRUCTION

DESIGNER: -

REV NO	DATE	APPROVAL	REV NO	DATE	SENT FOR
0	06.10.22	APPROVAL			

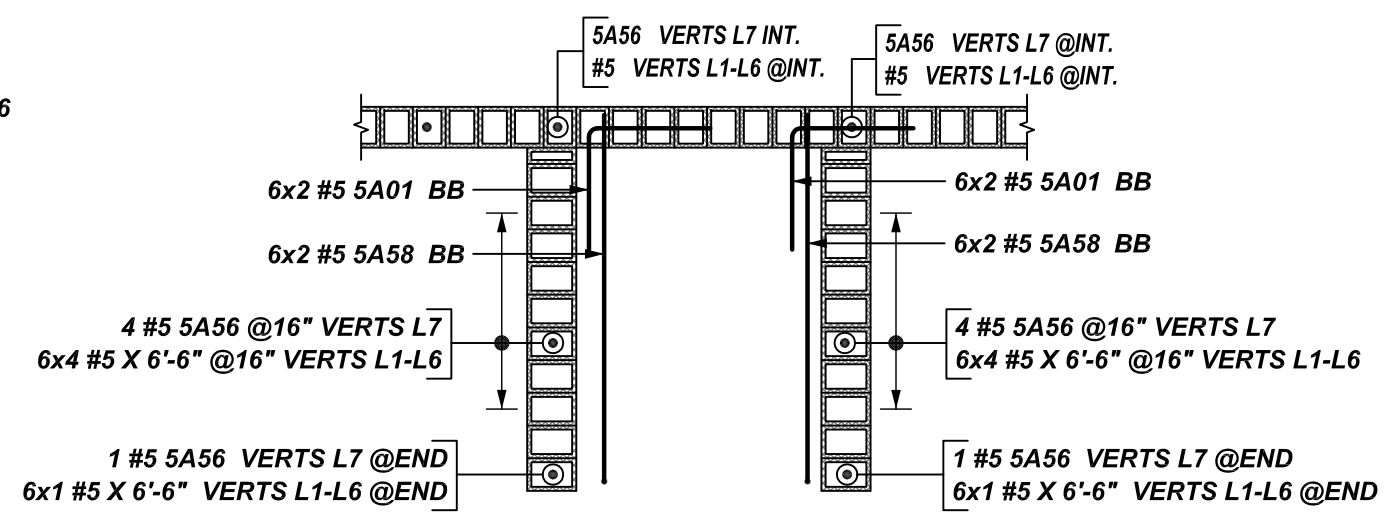
DRAWN BY	DATE	JOB NO	SHEET NO.
RS/MET	06/10/22	M92270465P	M10



AQ ELEVATION
 SCALE: 1/4" = 1'-0"
 REF: S100, S104, S105 & A100

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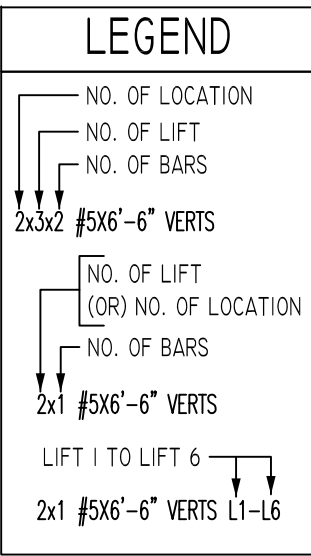
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DETAIL-B
 SCALE: 1/4" = 1'-0"
 REF: S100 & A100

Bar Mark	Qty	Size	Total Length	Type	X	Y	Z	W	V	U	T	S	R	Q	P	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A
S101	24	#5	5'-0"	17		2'-4"	2'-4"																							
S109	12	#5	20'-0"	1	0'-7"	19'-5"																								
S113	12	#5	5'-0"	1	0'-7"	4'-5"																								
S156	44	#5	6'-3"	1	0'-7"	5'-8"																								
S157	4	#5	6'-5"	1	0'-7"	5'-10"																								
S158	24	#5	8'-1"	1	0'-7"	7'-8"																								

**ALL BARS IN THIS DRAWING
 ASTM A615 GRADE 60
 BLACK UNCOATED**



LAP SCHEDULE

BAR#	1 BAR AT CENTER OF WALL					2 BAR AT EACH FACE					
	6" CMU	8" CMU	12" CMU	8" CMU	12" CMU	BOND BEAM	6" CMU	8" CMU	12" CMU	BOND BEAM	
#4	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"
#5	30"	30"	30"	39"	30"	35"	30"	30"	30"	30"	35"
#6	53"	38"	36"	79"	57"	64"	53"	38"	36"	79"	64"

PLEASE VERIFY AS PER GSN 5001 & 1900PSI. LAP SCHEDULE FOLLOWED AND CONSIDERED MIN. LAP LENGTH NOT LESS THAN 48XBAR DIA. AS PER GSN CONCRETE MASONRY WALL NOTE# 4D.

REBAR GRADE 60 ASTM A-615

SPLICES USED		ABBREVIATIONS		BAR MARK SIZE EQUIVALENT	
CLASS B 4,000 psi UNO				Imperial	Soft Metric
TOP BARS	OTHER BARS	ADD.	Additional	#3	#10
#3	#3	B.O.W.	Bottom of wall	#4	#13
#4	#4	C.B.	Corner Bars	#5	#16
#5	#5	DIAG.	Diagonal	#6	#19
#6	#6	D.O.	Door Opening	#7	#22
#7	#7	DWLS.	Dowels	#8	#25
#8	#8	E.F.	Each Face	#9	#29
#9	#9	E.S.	Each Side	#10	#32
#10	#10	E.W.	Each Way	#11	#36
#11	#11	FTS.	Footing		
#12	#12	F.F.	Far Face		
#13	#13	HORIZ.	Horizontal		
#14	#14	I.F.	Inside Face		
		INTERS.	Intersection		
		L.W.	long Way		
		N.F.	Near Face		
		O.F.	Outside Face		
		S.W.	Short Way		
		T&B	Top & Bottom		
		T.O.W.	Top of Wall		
		Trans.	Transverse		
		VERT.	Vertical		

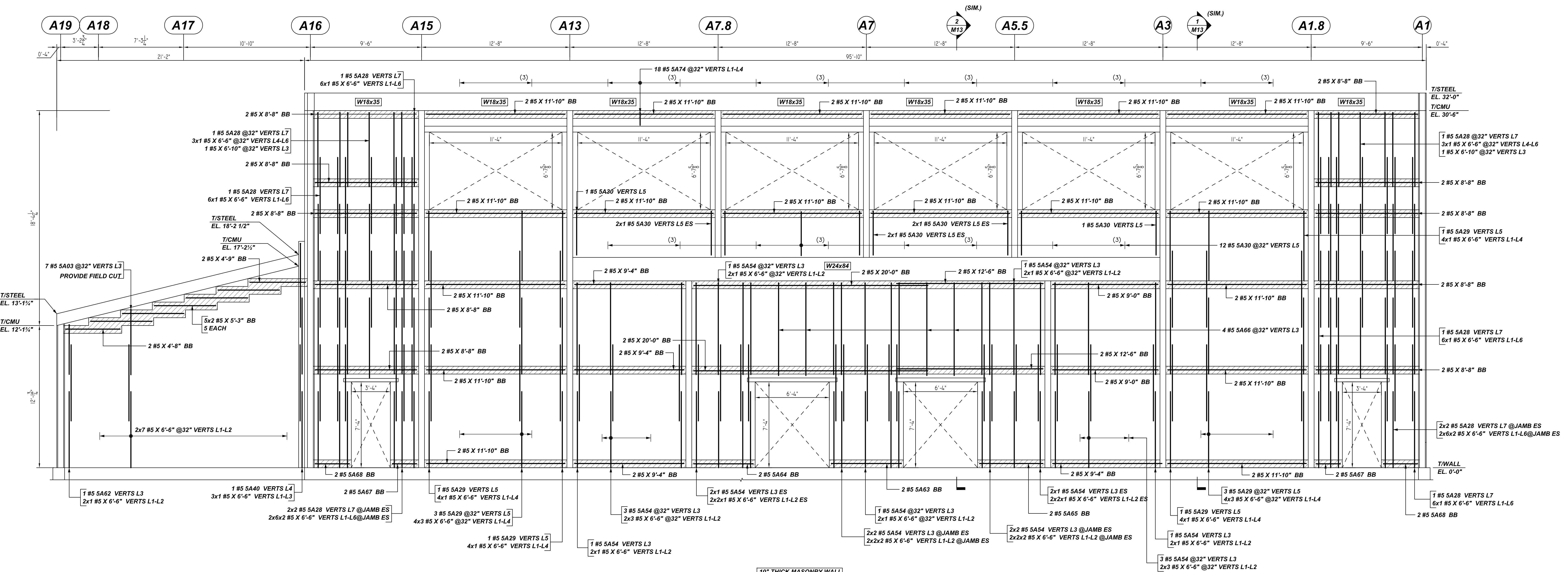
PORT JERVIS MIDDLE SCHOOL
 AREA-A MASONRY WALL REINFORCEMENT DETAILS
ORANGE COUNTY, NY USA

CUSTOMER: HULL CONSTRUCTION
 DESIGNER: -

REV NO	DATE	SENT FOR	REV NO	DATE	SENT FOR	DRAWN BY	DATE	JOB NO	SHEET NO.
0	06.10.22	APPROVAL				RS/MET	06/10/22	M92270465P	M11

NOTICE
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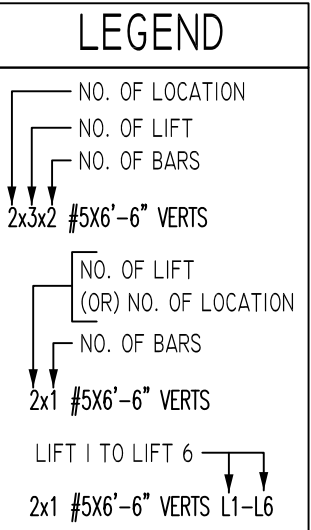
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10" THICK MASONRY WALL
AR ELEVATION
 SCALE: 1/4" = 1'-0"
 REF: S100, S104, S105 & A100

Release Number: M12

Bar Mark	Qty	Size	Total Length	Type	X'	Y'	Z'	W'	V'	U'	T'	S'	R'	Q'	P'	O'	N'	M'	L'	K'	J'	I'	H'	G'	F'	E'	D'	C'	B'	A'
S403	7	#5	9'-4"	1	0'-7"	8'-9"																								
S408	14	#5	6'-11"	1	0'-7"	6'-4"																								
S409	10	#5	6'-6"	1	0'-7"	5'-11"																								
S430	20	#5	4'-4"	1	0'-7"	3'-7"																								
S440	1	#5	7'-9"	1	0'-7"	7'-2"																								
S454	23	#5	8'-5"	1	0'-7"	7'-10"																								
S462	1	#5	4'-10"	1	0'-7"	4'-3"																								
S463	2	#5	7'-2"	1	0'-7"	6'-0"																								
S464	2	#5	5'-8"	1	0'-7"	5'-11"																								
S465	2	#5	6'-0"	1	0'-7"	5'-5"																								
S466	4	#5	8'-6"	1	0'-7"	7'-11"																								
S467	4	#5	2'-8"	1	0'-7"	2'-11"																								
S468	4	#5	3'-8"	1	0'-7"	2'-11"																								
S469	18	#5	1'-8"	1	0'-7"	1'-11"																								



LAP SCHEDULE

BAR#	1 BAR AT CENTER OF WALL				2 BAR AT EACH FACE	
	6" CMU	8" CMU	12" CMU	8" CMU	12" CMU	BOND BEAM
#4	24"	24"	24"	24"	24"	24"
#5	30"	30"	30"	39"	30"	35"
#6	53"	38"	36"	79"	57"	64"

A/E PLEASE VERIFY AS PER GSN S001 & 1900PSI. LAP SCHEDULE FOLLOWED AND CONSIDERED MIN. LAP LENGTH NOT LESS THAN 48XBAR DIA. AS PER GSN CONCRETE MASONRY WALL. NOTE# 4D.

**ALL BARS IN THIS DRAWING
 ASTM A615 GRADE 60
 BLACK UNCOATED**

REBAR GRADE 60 ASTM A-615

SPLICES USED
 CLASS B 4,000 psi UNO

TOP BARS	OTHER BARS
#3	#3
#4	#4
#5	#5
#6	#6
#7	#7
#8	#8
#9	#9
#10	#10
#11	#11
#14	#14

ABBREVIATIONS
 ADD. = Additional
 B.O.W. = Bottom of wall
 C.B. = Corner Bars
 DIAG. = Diagonal
 D.O. = Door Opening
 DWLS. = Dowels
 E.F. = Each Face
 E.S. = Each Side
 E.W. = Each Way
 FTS. = Footing
 F.F. = Far Face
 HORIZ. = Horizontal
 I.F. = Inside Face
 INTERS. = Intersection
 L.W. = long Way
 N.F. = Near Face
 O.F. = Outside Face
 S.W. = Short Way
 T&B = Top & Bottom
 T.O.W. = Top of Wall
 Trans. = Transverse
 VERT. = Vertical

BAR MARK SIZE EQUIVALENT	
Imperial	Soft Metric
#3	#10
#4	#13
#5	#16
#6	#19
#7	#22
#8	#25
#9	#29
#10	#32
#11	#36

PORT JERVIS MIDDLE SCHOOL
 AREA-A MASONRY WALL REINFORCEMENT DETAILS
ORANGE COUNTY, NY USA

CUSTOMER: HULL CONSTRUCTION
 DESIGNER: -

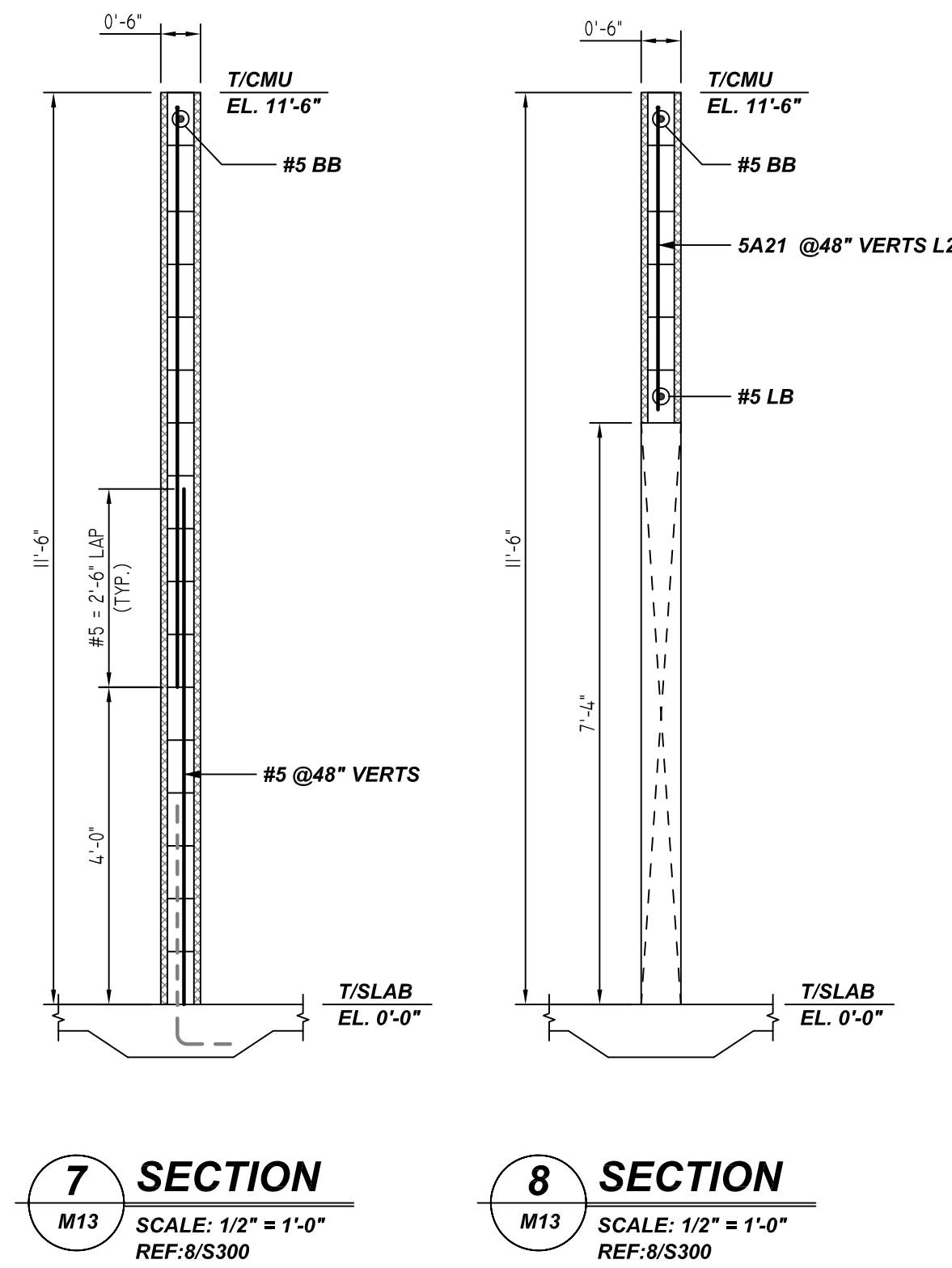
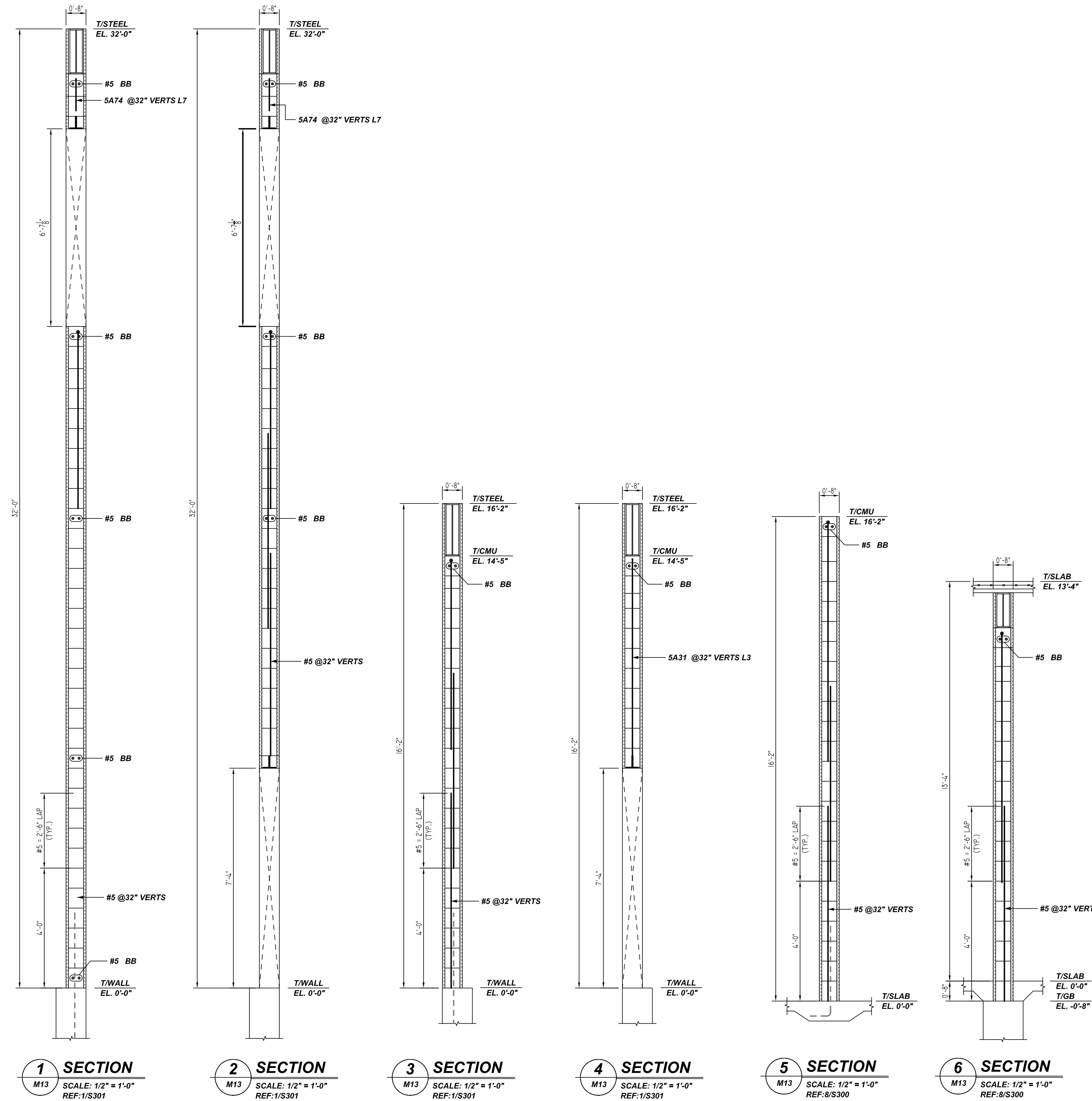
REV NO	DATE	APPROVAL	REV NO	DATE	SENT FOR
0	06.10.22				

RS/MET	DATE	JOB NO	SHEET NO.
	06/10/22	M92270465P	M12

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REBAR GRADE 60 ASTM A-615

SPLICES USED		ABBREVIATIONS		BAR MARK SIZE EQUIVALENT	
CLASS B 4,000 psi UNO				Imperial	Soft Metric
TOP BARS	OTHER BARS	ADD.	Additional	#3	#10
#3	#3	B.O.W.	Bottom of wall	#4	#13
#4	#4	C.B.	Corner Bars	#5	#16
#5	#5	DIAG.	Diagonal	#6	#19
#6	#6	D.O.	Door Opening	#7	#22
#7	#7	DWLS.	Dowels	#8	#25
#8	#8	E.F.	Each Face	#9	#29
#9	#9	E.S.	Each Side	#10	#32
#10	#10	E.W.	Each Way	#11	#36
#11	#11	FTG.	Footing		
#14	#14	F.F.	Far Face		
		HORIZ.	Horizontal		
		I.F.	Inside Face		
		INTERS.	Intersection		
		L.W.	long Way		
		N.F.	Near Face		
		O.F.	Outside Face		
		S.W.	Short Way		
		T&B	Top & Bottom		
		T.O.W.	Top of Wall		
		Trans.	Transverse		
		VERT.	Vertical		

PORT JERVIS MIDDLE SCHOOL
AREA-A MASONRY WALL REINFORCEMENT DETAILS
ORANGE COUNTY, NY USA

CUSTOMER: HULL CONSTRUCTION
DESIGNER: -

DRAWN BY	DATE	JOB NO	SHEET NO.
RS/MET	06/10/22	M92270465P	M13

REV NO	DATE	APPROVAL	REV NO	DATE	SENT FOR
0	06.10.22				