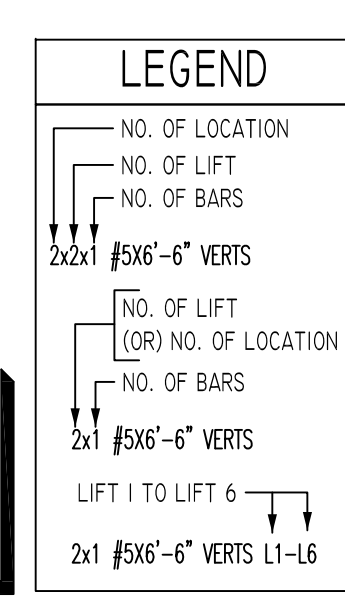


TYPICAL REINFORCING BAR CLEARANCE TABLE

LOCATION	MIN. COVER
WALL TOP & SIDE	2" CLR

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



LAP SCHEDULE

SIZE	3000 PSI	
	TOP	OTHERS
#3	28"	22"
#4	37"	29"
#5	47"	36"
#6	56"	43"
#7	81"	63"
#8	93"	72"
#9	105"	81"
#10	118"	91"
#11	151"	101"

REVISION MARK	REVISION DETAILS	DATE
0	FOR APPROVAL	08/19/2022

Abbreviations:
 I.F.=Inside Face
 O.F.=Outside Face
 E.F.=Each Face
 DWL=Dowel
 V=Vertical
 H=Horizontal
 C.B.=Corner Bar
 S.DWL=Slab Dowel
 E.W.=Each Way
 B/BOT=Bottom
 T=Top
 MDWL=Masonry Dowel
 B.B.=Bond Beam
 ALT.=Alternate
 Approx.=Approximate

OPNG=Opening
 BAL=Balance
 BTW=Between
 CJ=Construction Joint
 CLR=CLEARANCE
 CMU=Concrete Masonry Unit
 CONT.=Continuous
 EA.=Each
 Elev.=Elevation
 EMB=Embedment
 SW=Short Way
 LW=Long Way
 (BL)=Black Bar
 (EP)=Epoxy Bar
 (GA)=Galvanized

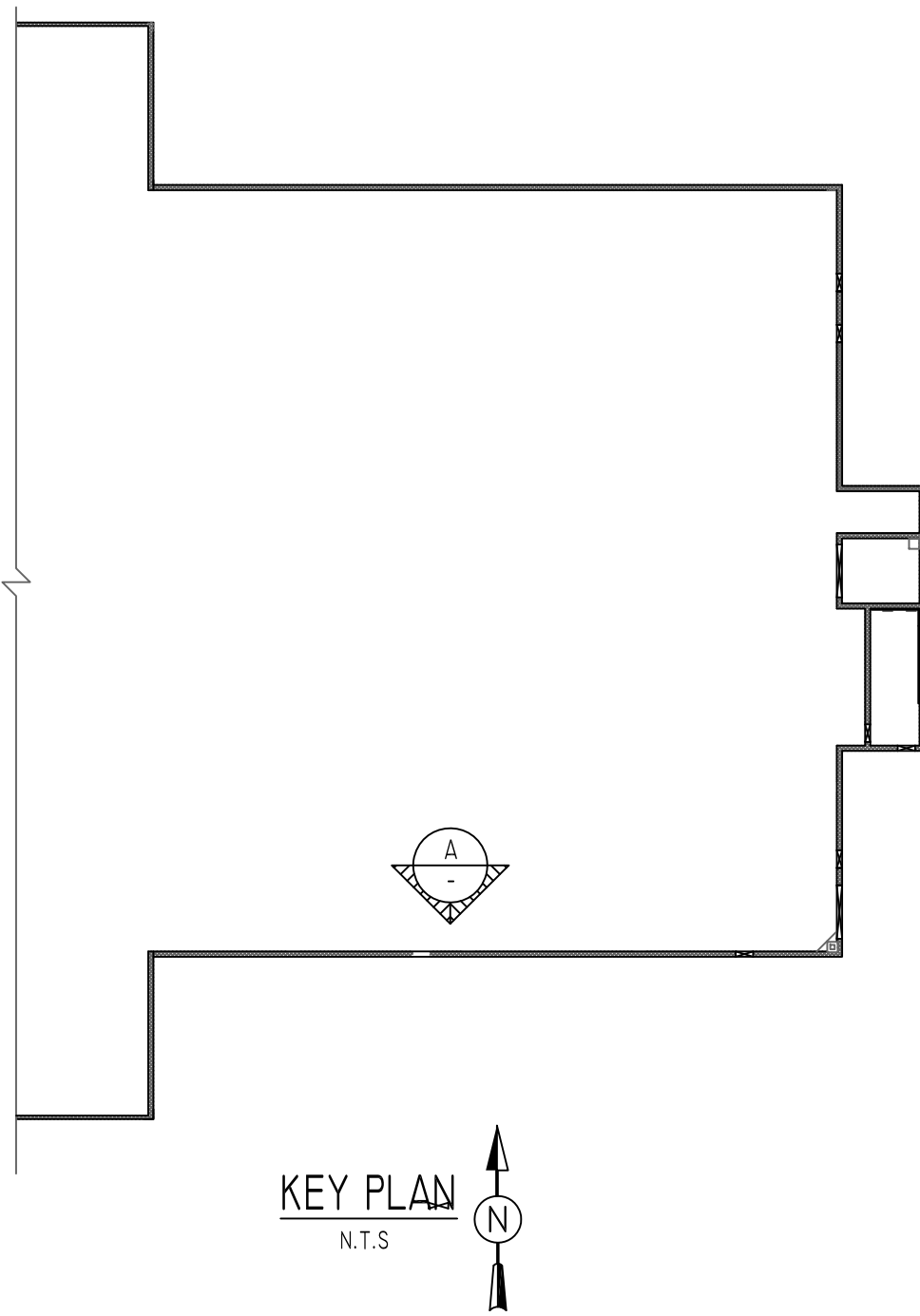
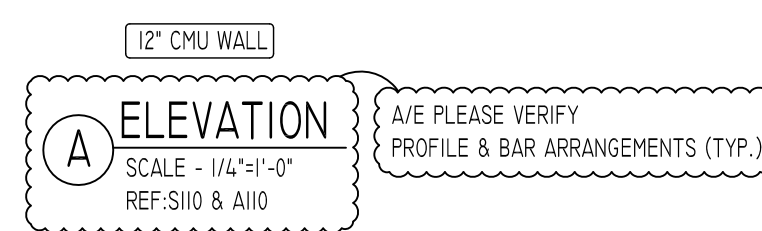
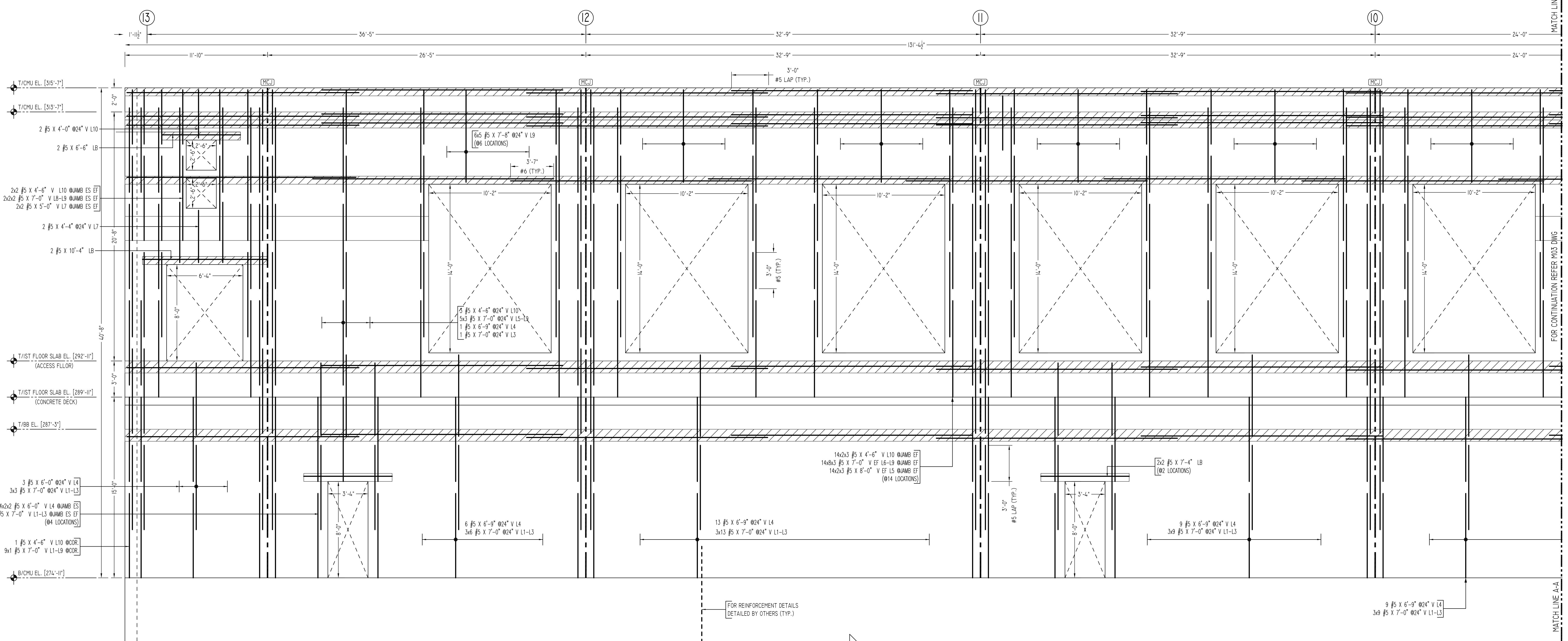
NOTICE

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PROJECT	VERIZON YONKERS SAP MEC BUILDING EXPANSION	
LOCATION	10 EXECUTIVE BLVD YONKERS NY 10701	
ARCHITECT	GENESIS	
ENGINEER	MPP	
CUSTOMER	ACRANOM MASONRY	
DRAWN BY:	VGS/MRS	DATE: 08/19/22
REVIEWED BY:	T/L	JOB NO.:
DRAWING TITLE:	CMU WALL LAYOUT	DRAWING NO.:

CMU WALL LAYOUT
SCALE - 3/32" = 1'-0"
REF. S110



TYPICAL REINFORCING BAR CLEARANCE TABLE

LOCATION	MIN. COVER
WALL TOP & SIDE	2" CLR

ALL BARS IN THIS DRAWING
ASTM A615 GRADE 60
BLACK UNCOATED

LEGEND

- NO. OF LOCATION
- NO. OF LIFT
- NO. OF BARS
- 2x2x1 #5x6'-6" VERTS
- NO. OF LIFT (COR) NO. OF LOCATION
- NO. OF BARS
- 2x1 #5x6'-6" VERTS
- LIFT 1 TO LIFT 6
- 2x1 #5x6'-6" VERTS L1-L6

LAP SCHEDULE

SIZE	3000 PSI	
	TOP	OTHERS
#3	28"	22"
#4	37"	29"
#5	47"	36"
#6	56"	43"
#7	81"	63"
#8	93"	72"
#9	105"	81"
#10	118"	91"
#11	131"	101"

Abbreviations:
I.F.=Inside Face
O.F.=Outside Face
E.F.=Each Face
DWL=Dowel
V=Vertical
H=Horizontal
C.B.=Corner Bar
S.DWL=Slab Dowel
E.W.=Each Way
B/BOT=Bottom
T=Top
MDWL=Masonry Dowel
B.B.=Bond Beam
ALT.=Alternate
Approx.=Approximate

OPNG=Opening
BAL: Balance
BTW: Between
CJ=Construction Joint
CLR: CLEARANCE
CMU= Concrete Masonry Unit
CONT.=Continuous
EA.=Each
Elev.=Elevation
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LW=Long Way
(BL)=Black Bar
(EP)=Epoxy Bar
(GA)= Galvanized

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REVISION MARK	REVISION DETAILS	DATE
0	FOR APPROVAL	08/19/2022

PROJECT	VERIZON YONKERS SAP MEC BUILDING EXPANSION		
LOCATION	10 EXECUTIVE BLVD YONKERS NY 10701		
ARCHITECT	GENESIS		
ENGINEER	MPP		
CUSTOMER	ACRANOM MASONRY		
DRAWN BY:	VGS/MRS	DATE:	08/19/22
REVIEWED BY:	T/L	JOB NO.:	-
DRAWING TITLE:	CMU WALL REINFORCEMENT DETAILS		DRAWING NO.:
			M02

MATCH LINE A-A

FOR CONTINUATION REFER M02 DWG

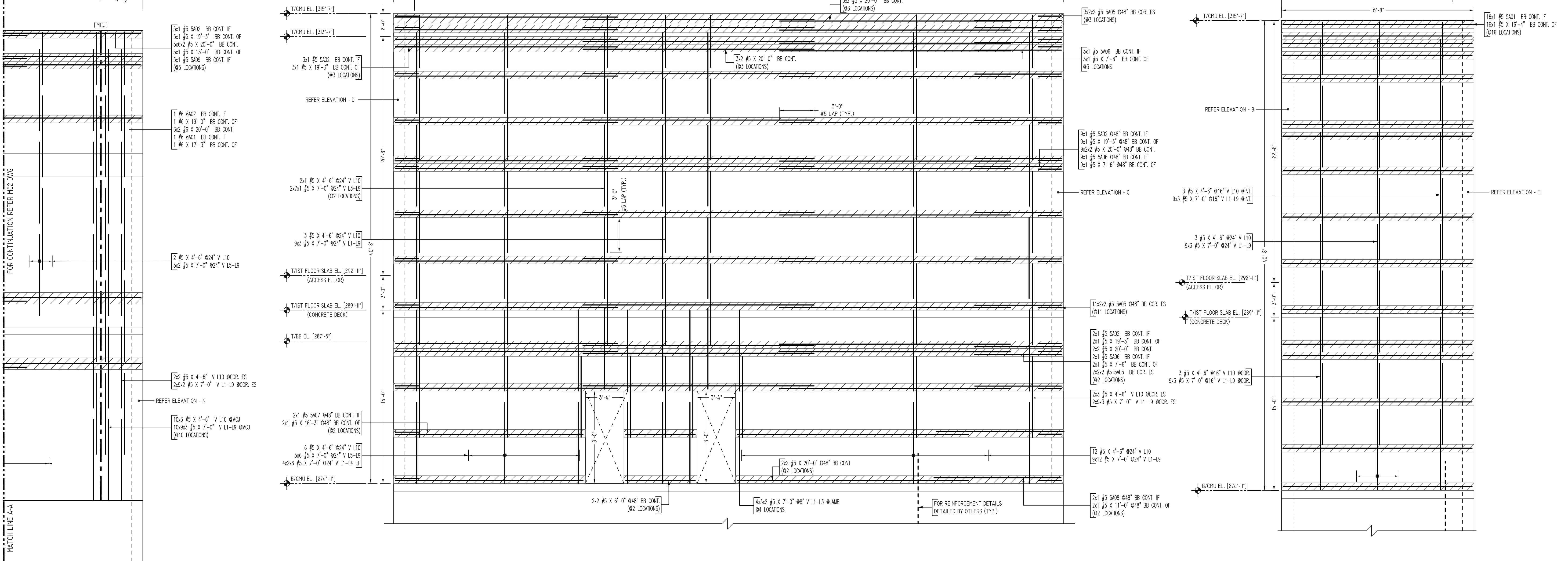
MATCH LINE A-A

9.2

B.2

C.3

14



A ELEVATION
SCALE - 1/4"=1'-0"
REF: S10 & A10

B ELEVATION
SCALE - 1/4"=1'-0"
REF: S10 & A10
A/E PLEASE VERIFY
PROFILE & BAR ARRANGEMENTS (TYP.)

C ELEVATION
SCALE - 1/4"=1'-0"
REF: S10 & A10

TYPICAL REINFORCING BAR CLEARANCE TABLE

LOCATION	MIN. COVER
WALL TOP & SIDE	2" CLR

ALL BARS IN THIS DRAWING
ASTM A615 GRADE 60
BLACK UNCOATED

LEGEND

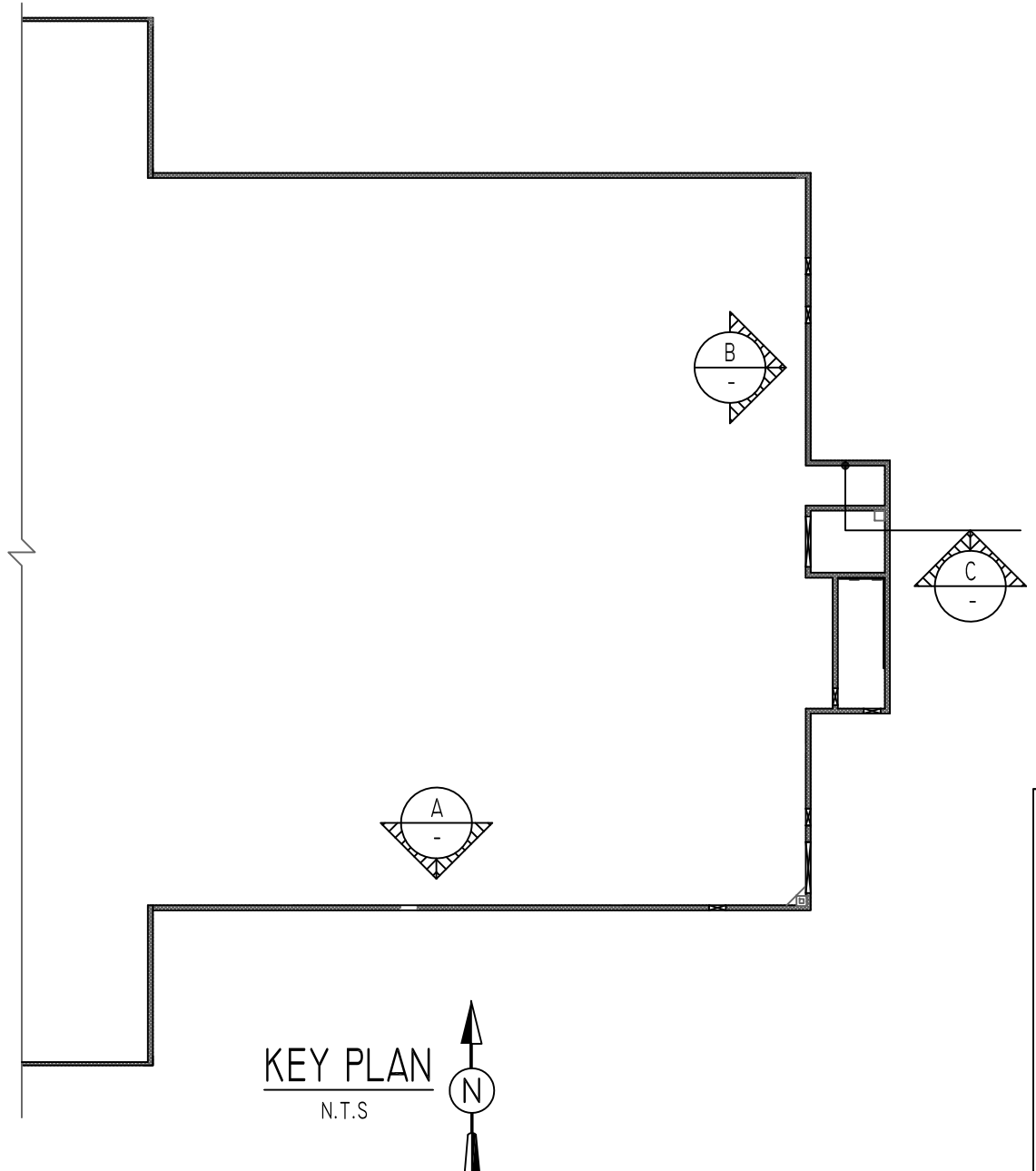
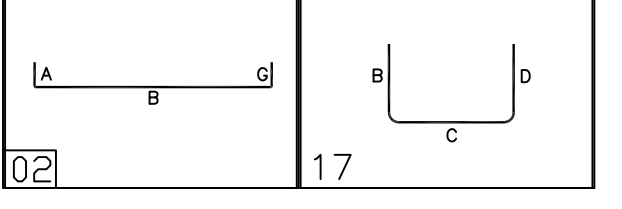
- NO. OF LOCATION
- NO. OF LIFT
- NO. OF BARS
- NO. OF LIFT (OR) NO. OF LOCATION
- NO. OF BARS
- LIFT 1 TO LIFT 6
- NO. OF LIFT
- NO. OF BARS

LAP SCHEDULE

SIZE	3000 PSI	
	TOP	OTHERS
#3	28"	22"
#4	37"	29"
#5	47"	36"
#6	56"	43"
#7	81"	63"
#8	93"	72"
#9	105"	81"
#10	118"	91"
#11	131"	101"

Release Number: M13

Bar Mark	Qty	Size	Total Length	Type	X'	Y'	Z'	X''	Y''	Z''	X'''	Y'''	Z'''
S401	16	#5	18'-0"	2	0'-10"	16'-4"							0'-10"
S402	19	#5	20'-0"	2	0'-10"	19'-2"							0'-10"
S405	64	#5	4'-0"	17		2'-0"	2'-0"						
S406	14	#5	8'-4"	2	0'-10"	7'-6"							
S407	2	#5	17'-1"	2	0'-10"	16'-3"							
S408	2	#5	11'-10"	2	0'-10"	11'-0"							
S409	5	#5	13'-10"	2	0'-10"	13'-0"							
6A01	1	#6	18'-3"	2	1'-0"	17'-3"							
6A02	1	#6	20'-0"	2	1'-0"	19'-0"							



Abbreviations:
 I.F.=Inside Face
 O.F.=Outside Face
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 V=Vertical
 H=Horizontal
 C.B.=Corner Bar
 S.DWL=Slab Dowel
 E.W.=Each Way
 B/BOT=Bottom
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 MDWL=Masonry Dowel
 B.B.=Bond Beam
 ALT.=Alternate
 Approx.=Approximate

OPNG=Opening
BAL=Balance
BTW=Between
CJ=Construction Joint
CLR=CLEARANCE
CMU=Concrete Masonry Unit
CONT=Continuous
EA=Each
Elev=Elevation
EMB=Embedment
SW=Short Way
LW=Long Way
BL=Black Bar
(EP)=Epoxy Bar
(GA)=Galvanized

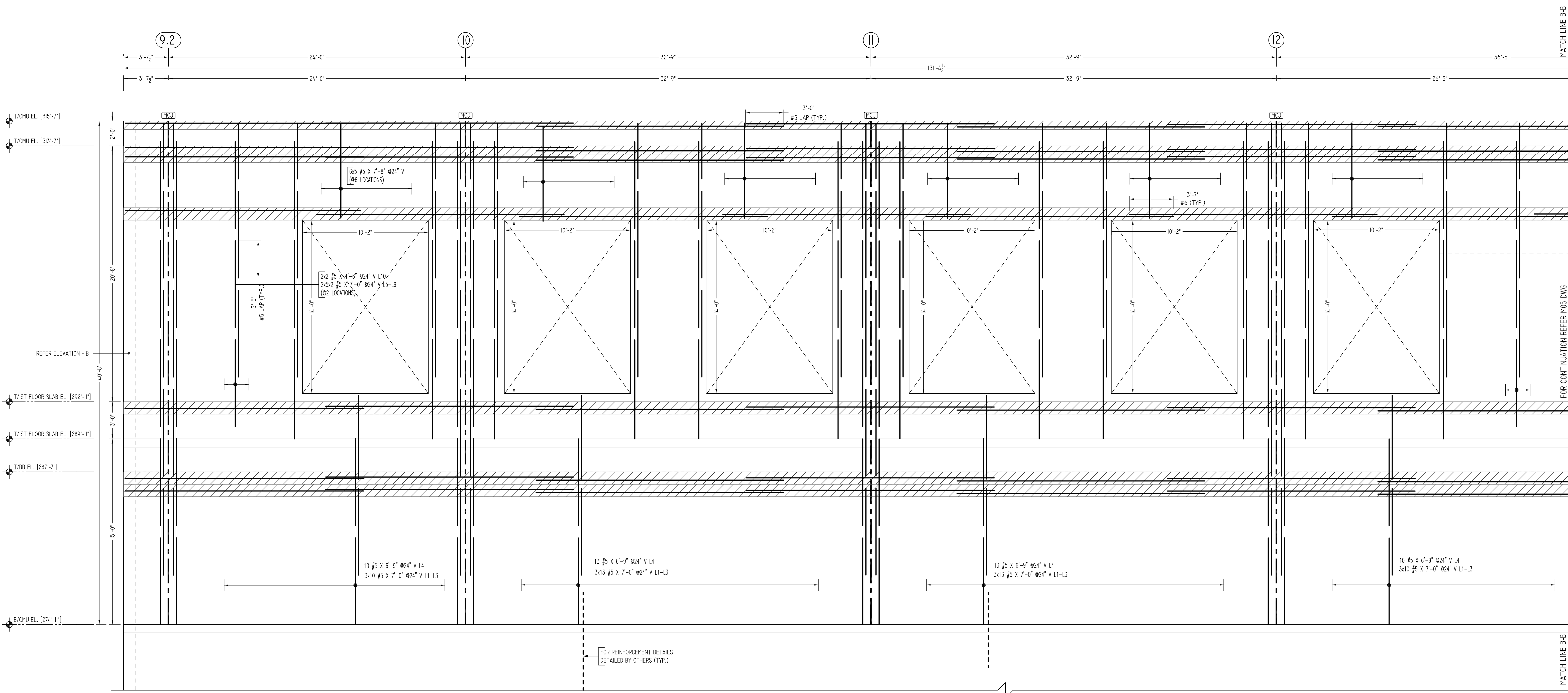
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REVISION MARK	REVISION DETAILS	DATE
0	FOR APPROVAL	08/19/2022

PROJECT	VERIZON YONKERS SAP MEC BUILDING EXPANSION		
LOCATION	10 EXECUTIVE BLVD YONKERS NY 10701		
ARCHITECT	GENESIS		
ENGINEER	MPP		
CUSTOMER	ACRANOM MASONRY		
DRAWN BY:	VGS/MRS	DATE:	08/19/22
REVIEWED BY:	T/L	DATE:	
DRAWING TITLE:	CMU WALL REINFORCEMENT DETAILS		JOB NO.:
			—
			DRAWING NO.:
			M03

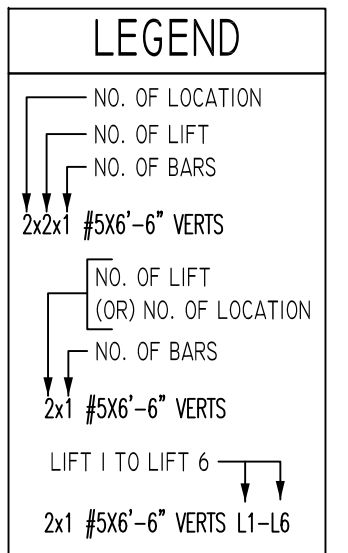


12" CMU WALL
D ELEVATION
 SCALE - 1/4"=1'-0"
 REF: S10 & A10
 A/E PLEASE VERIFY PROFILE & BAR ARRANGEMENTS (TYP.)

TYPICAL REINFORCING BAR CLEARANCE TABLE

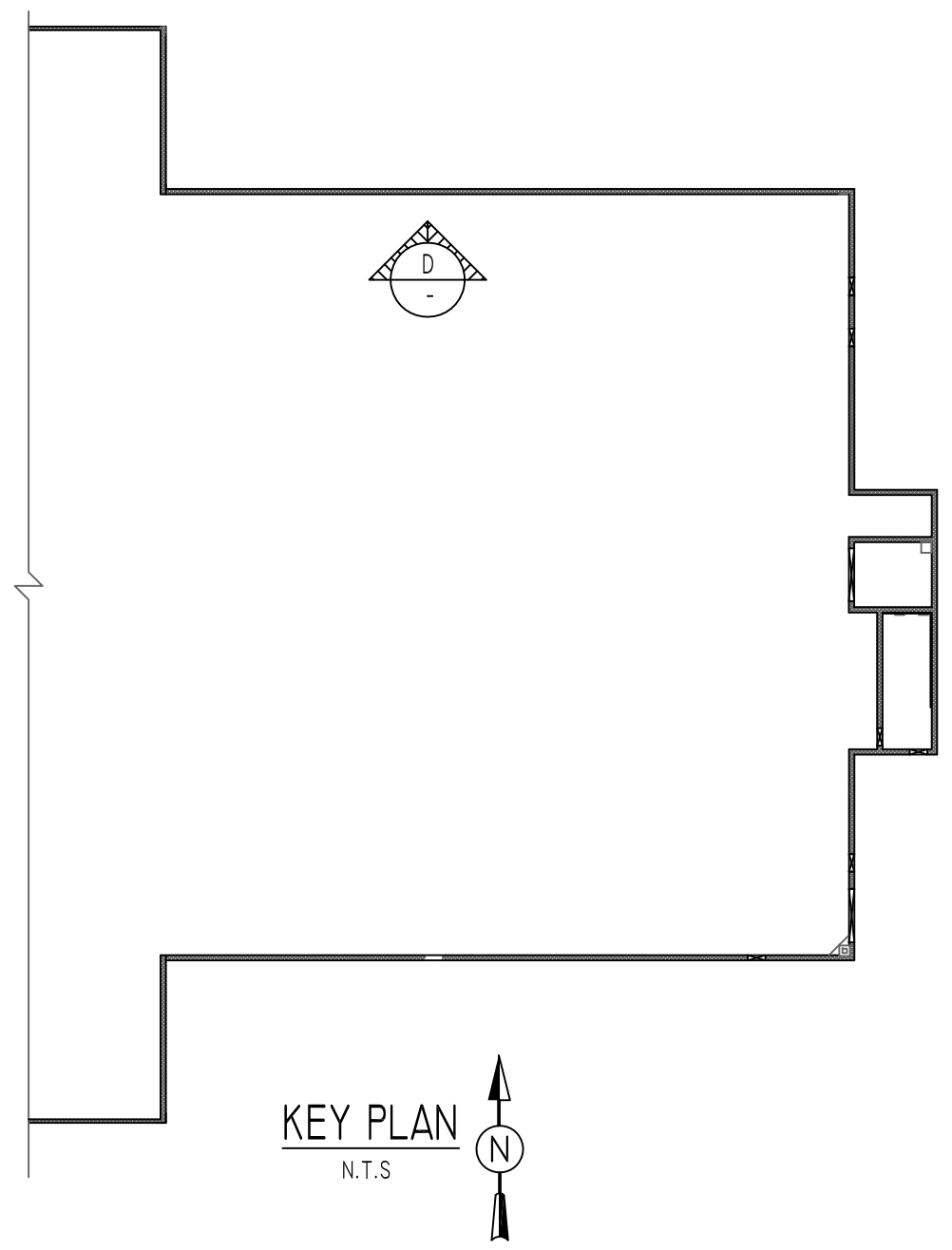
LOCATION	MIN. COVER
WALL TOP & SIDE	2" CLR

ALL BARS IN THIS DRAWING
 ASTM A615 GRADE 60
 BLACK UNCOATED



LAP SCHEDULE

SIZE	3000 PSI	
	TOP	OTHERS
#3	28"	22"
#4	37"	29"
#5	47"	36"
#6	56"	43"
#7	81"	63"
#8	93"	72"
#9	105"	81"
#10	118"	91"
#11	131"	101"



Abbreviations:
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 O.F.=Outside Face
 E.F.=Each Face
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 V=Vertical
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 S.DWL=Slab Dowel
 E.W.=Each Way
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 CMU=Concrete Masonry Unit
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 EA=Each
 Elev.=Elevation
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 SW=Short Way
 LW=Long Way
 (BL)=Black Bar
 (EP)=Epoxy Bar
 (GA)=Galvanized

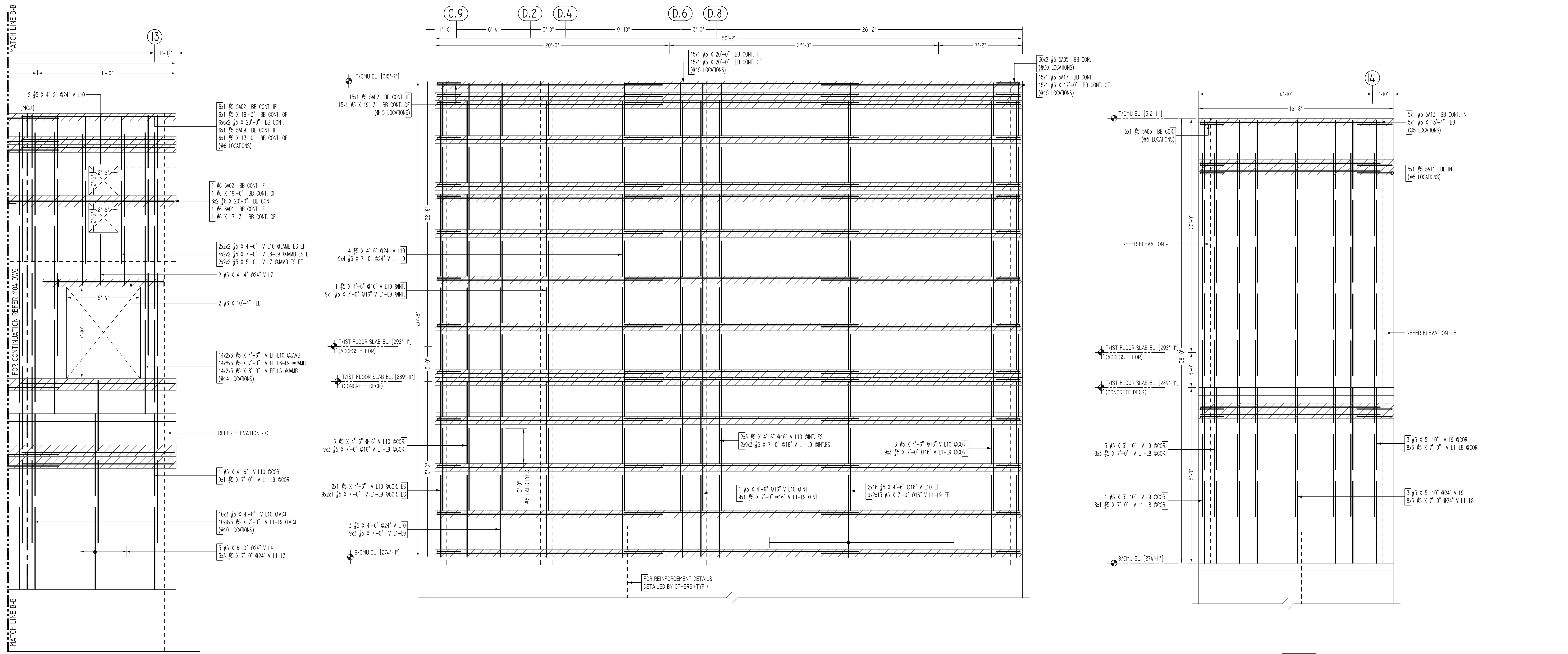
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REVISION MARK	REVISION DETAILS	DATE
0	FOR APPROVAL	08/19/2022

PROJECT	VERIZON YONKERS SAP MEC BUILDING EXPANSION		
LOCATION	10 EXECUTIVE BLVD YONKERS NY 10701		
ARCHITECT	GENESIS		
ENGINEER	MPP		
CUSTOMER	ACRANOM MASONRY		
DRAWN BY:	VGS/MRS	DATE:	08/19/22
REVIEWED BY:	T/L	JOB NO.:	-
DRAWING TITLE:	CMU WALL REINFORCEMENT DETAILS		DRAWING NO.:
			M04



12" CMU WALL
D ELEVATION
 SCALE - 1/4"=1'-0"
 REF: S10 & A10

12" CMU WALL
E ELEVATION
 SCALE - 1/4"=1'-0"
 REF: S10 & A10
 A/E PLEASE VERIFY PROFILE & BAR ARRANGEMENTS (TYP.)

12" CMU WALL
F ELEVATION
 SCALE - 1/4"=1'-0"
 REF: S10 & A10

TYPICAL REINFORCING BAR CLEARANCE TABLE

LOCATION	MIN. COVER
WALL TOP & SIDE	2" CLR

ALL BARS IN THIS DRAWING
 ASTM A615 GRADE 60
 BLACK UNCOATED

LEGEND

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

2x2x1 #5x6'-6" VERTS
 2x1 #5x6'-6" VERTS
 LIFT 1 TO LIFT 6
 2x1 #5x6'-6" VERTS L1-L6

LAP SCHEDULE

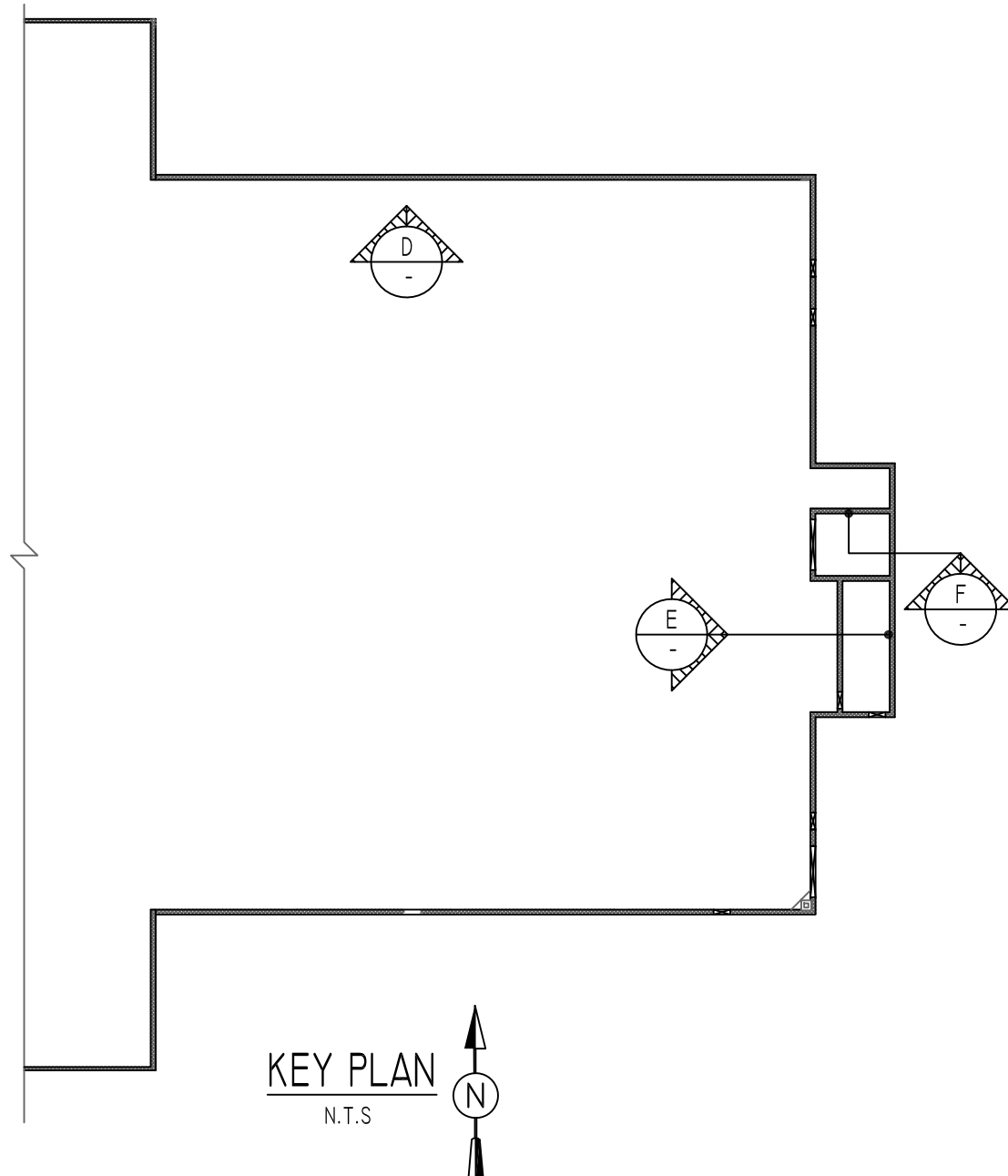
SIZE	3000 PSI	
	TOP	OTHERS
#3	28"	22"
#4	37"	29"
#5	47"	36"
#6	56"	43"
#7	81"	63"
#8	95"	72"
#9	105"	81"
#10	118"	91"
#11	131"	101"

Release Number: M05

Bar Mark	Qty	Size	Total Length	Type	X'	Y'	Z'	X"	Y"	Z"	X'''	Y'''	Z'''
S402	21	#5	20'-0"	2	0'-10"	19'-2"							
S405	69	#5	4'-0"	17		2'-0"	2'-0"						
S409	6	#5	13'-10"	2	0'-10"	12'-0"							
S411	5	#5	5'-0"	17		2'-0"	2'-0"						
S413	5	#5	16'-2"	2	0'-10"	15'-4"							
S417	19	#5	17'-10"	2	0'-10"	12'-0"							
S401	1	#6	18'-3"	2	1'-0"	17'-3"							
S402	1	#6	20'-0"	2	1'-0"	19'-0"							

BENDING DETAILS

02 17



Abbreviations:
 I.F.=Inside Face
 O.F.=Outside Face
 E.F.=Each Face
 DWL=Dowel
 V=Vertical
 H=Horizontal
 C.B.=Corner Bar
 S.DWL=Slab Dowel
 E.W.=Each Way
 B/BOT=Bottom
 T=Top
 MDWL=Masonry Dowel
 B.B.=Bond Beam
 ALT.=Alternate
 Approx.=Approximate

OPNG=Opening
 BAL.=Balance
 BTW.=Between
 CJ=Construction Joint
 CLR.=CLEARANCE
 CMU=Concrete Masonry Unit
 CONT.=Continuous
 EA.=Each
 Elev.=Elevation
 EMB=Embedment
 SW=Short Way
 LW=Long Way
 (BL)=Black Bar
 (EP)=Epoxy Bar
 (GA)=Galvanized

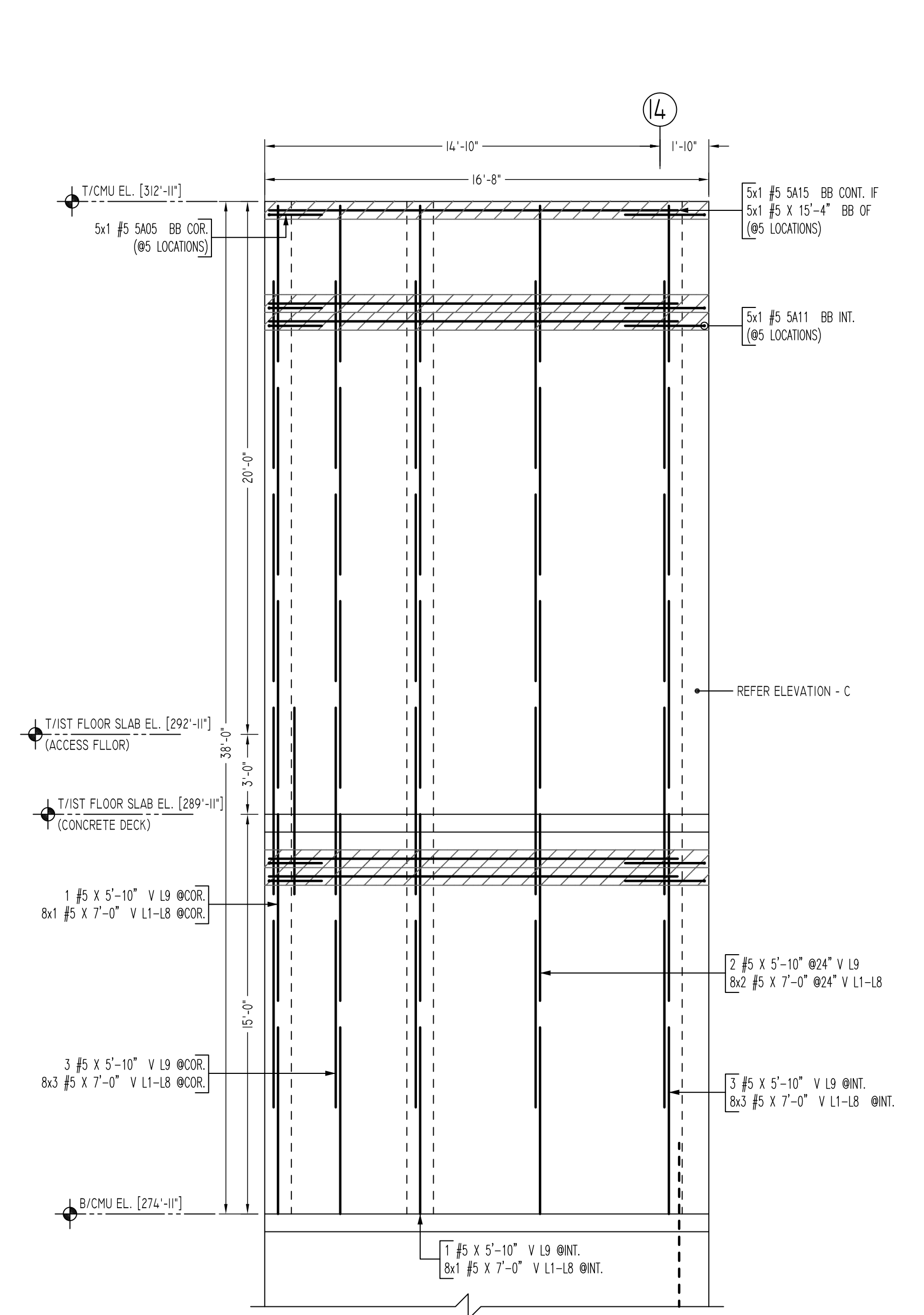
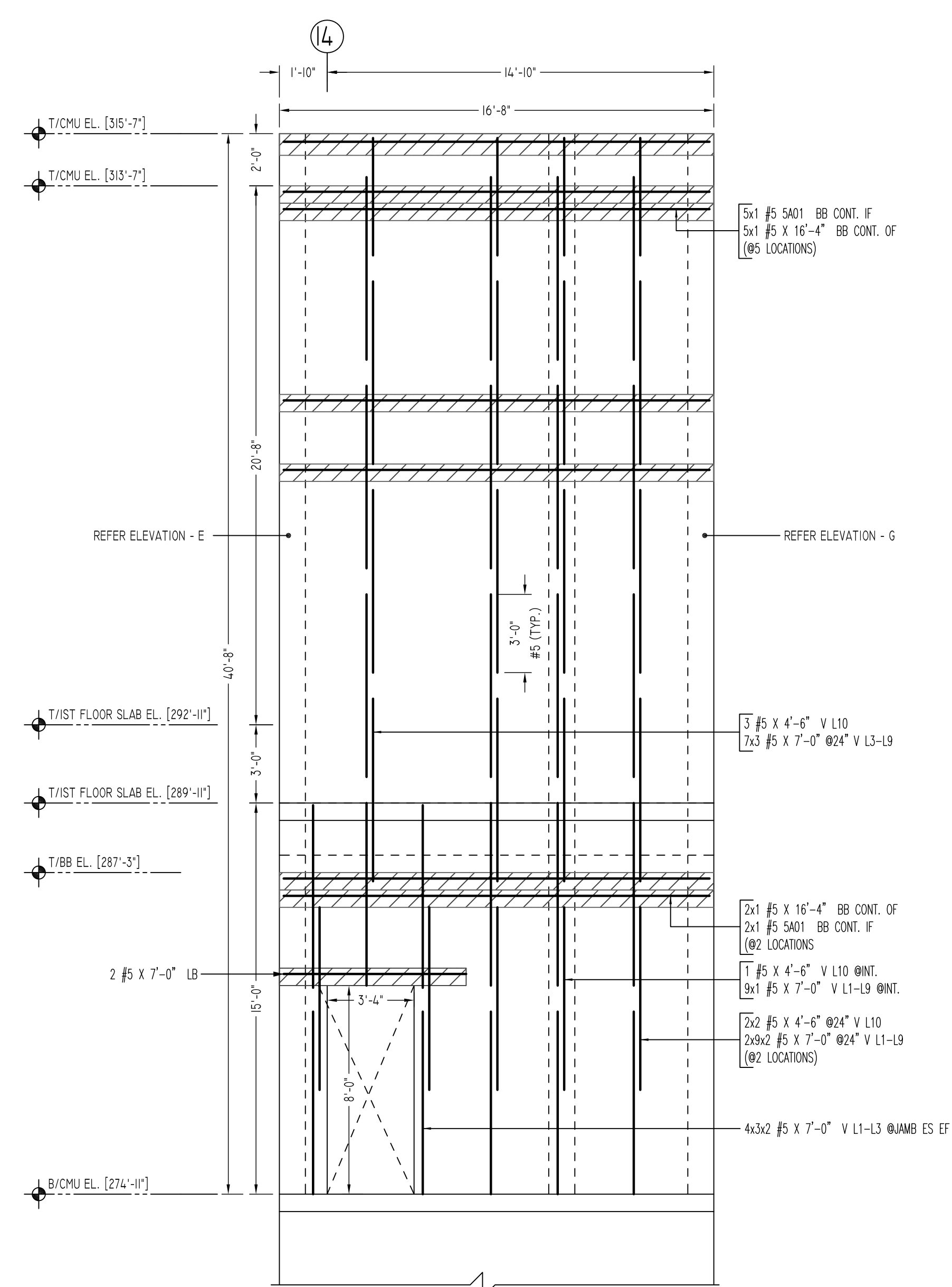
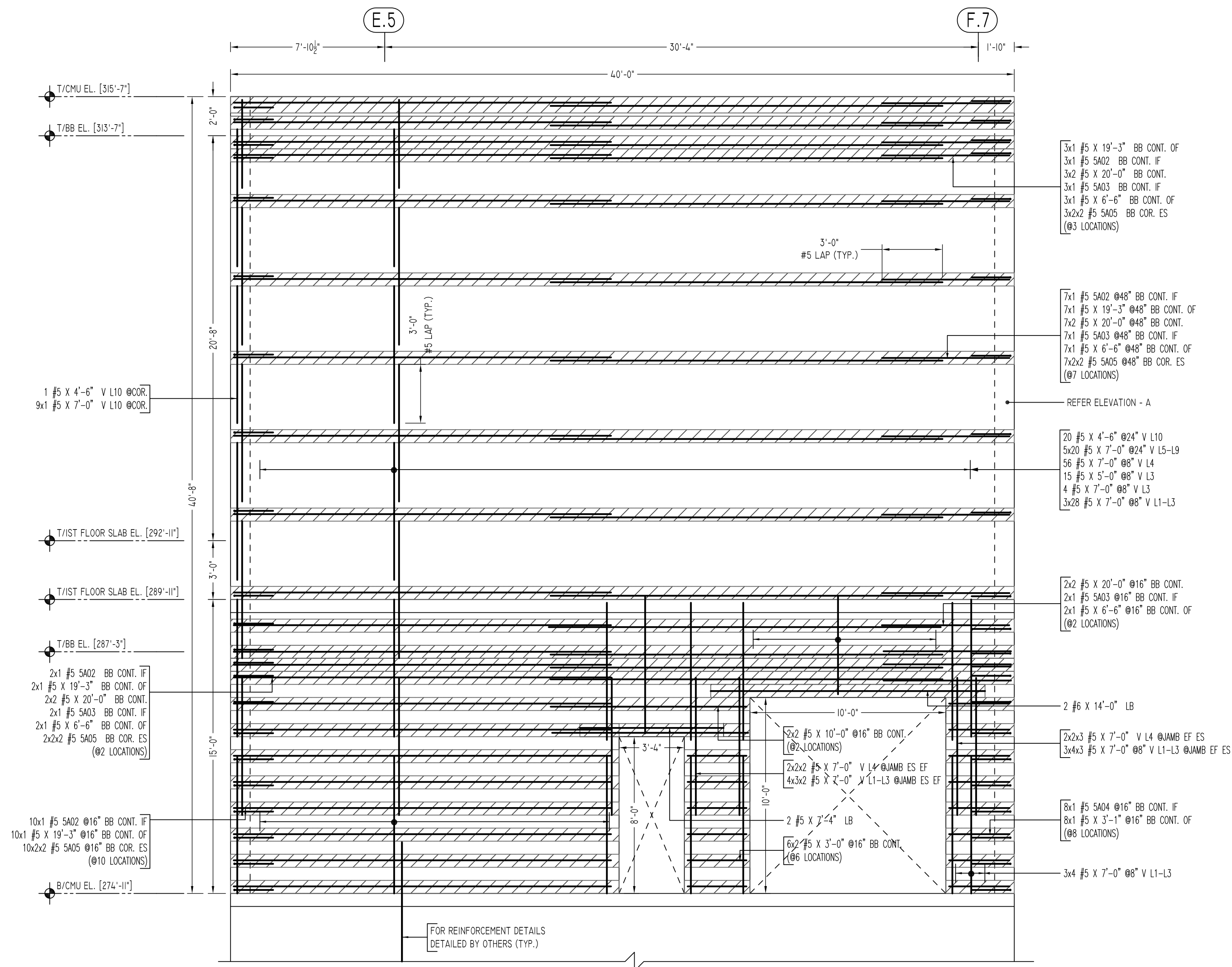
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REVISION MARK	REVISION DETAILS	DATE
0	FOR APPROVAL	08/19/2022

PROJECT	VERIZON YONKERS SAP MEC BUILDING EXPANSION		
LOCATION	10 EXECUTIVE BLVD YONKERS NY 10701		
ARCHITECT	GENESIS		
ENGINEER	MPP		
CUSTOMER	ACRANOM MASONRY		
DRAWN BY:	VGS/MRS	DATE:	08/19/22
REVIEWED BY:	T/L	DATE:	
DRAWING TITLE:	CMU WALL REINFORCEMENT DETAILS		DRAWING NO.:
			M05



G ELEVATION
SCALE - 1/4"=1'-0"
REF: S10 & A10
A/E PLEASE VERIFY
PROFILE & BAR ARRANGEMENTS (TYP.)

H ELEVATION
SCALE - 1/4"=1'-0"
REF: S10 & A10

J ELEVATION
SCALE - 1/4"=1'-0"
REF: S10 & A10

LEGEND

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

2x2x1 #5x6'-6" VERTS

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

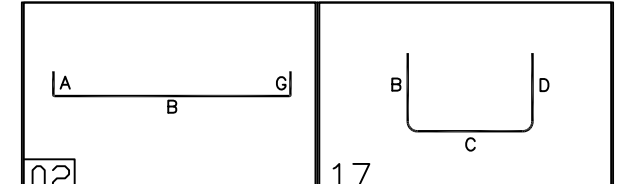
LIFT 1 TO LIFT 6
2x1 #5x6'-6" VERTS L1-L6

LAP SCHEDULE

SIZE	TOP	OTHERS
#3	28"	22"
#4	37"	29"
#5	47"	36"
#6	56"	43"
#7	81"	63"
#8	93"	72"
#9	105"	81"
#10	118"	91"
#11	131"	101"

Release Number: M06

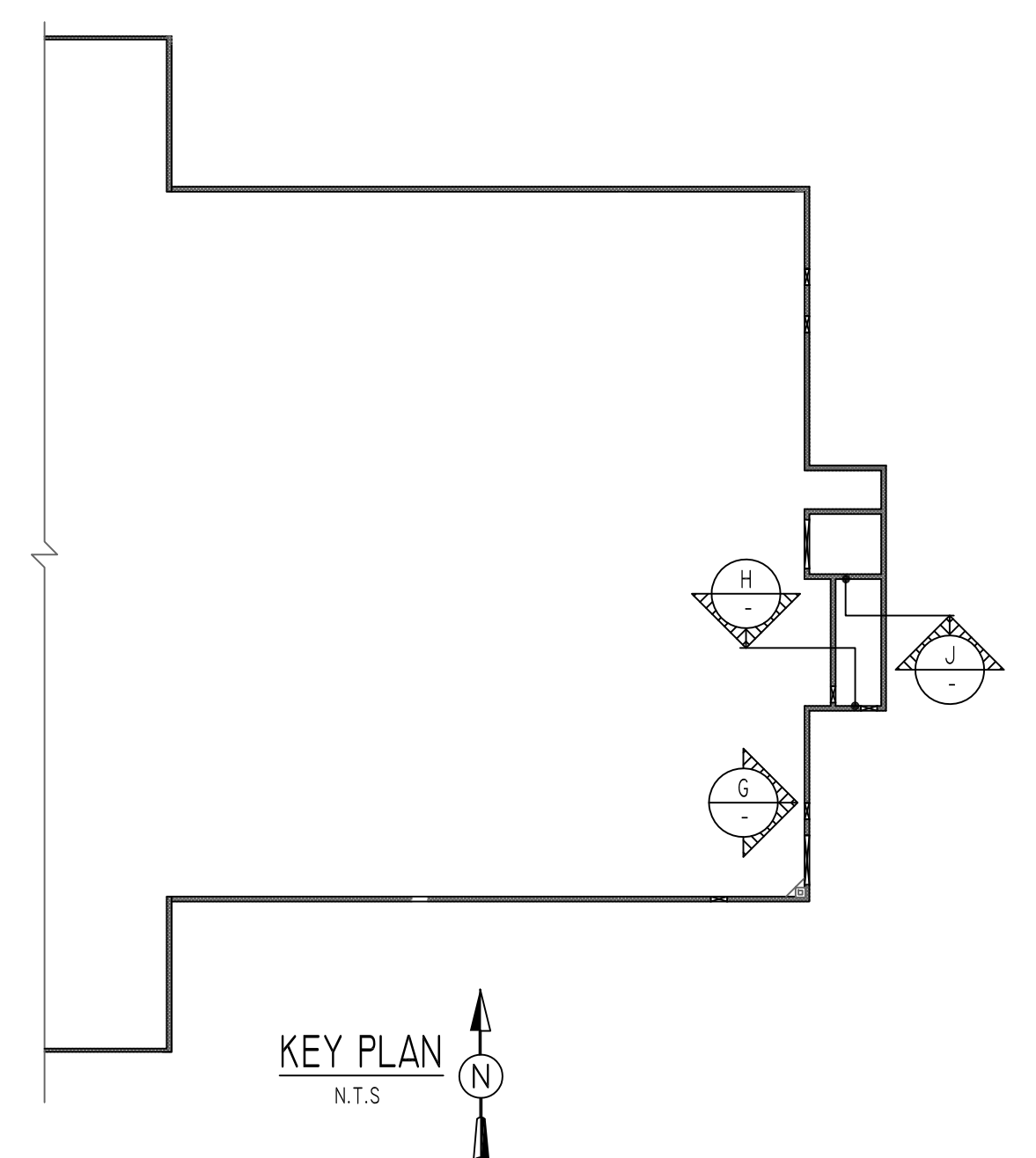
Bar Mark	Qty	Size	Total Length	Type	X	Y	Z	W	V	U	T	S	R	Q	P	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A
S01	7	#5	18'-0"	2	0'-10"	16'-4"																								
S02	22	#5	20'-0"	2	0'-10"	19'-2"																								
S03	14	#5	7'-4"	2	0'-10"	6'-6"																								
S04	8	#5	3'-11"	2	0'-10"	3'-7"																								
S05	83	#5	4'-0"	17	0'-10"	2'-0"																								
S06	5	#5	5'-0"	17	0'-10"	2'-0"																								
S07	5	#5	17'-0"	2	0'-10"	15'-4"																								



TYPICAL REINFORCING BAR CLEARANCE TABLE

LOCATION	MIN. COVER
WALL TOP & SIDE	2" CLR

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



Abbreviations:
I.F.—Inside Face
O.F.—Outside Face
E.F.—Each Face
D.W.L.—Dowel
V—Vertical
H—Horizontal
C.B.—Corner Bar
S.D.W.L.—Slab Dowel
E.W.—Each Way
B/BOT.—Bottom
T—Top
M.D.W.L.—Masonry Dowel
B.B.—Bond Beam
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Approx.—Approximate

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CJ=Construction Joint
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EMB=Embedment
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LW=Long Way
(BL)=Black Bar
(EP)=Epoxy Bar
(GA)= Galvanized

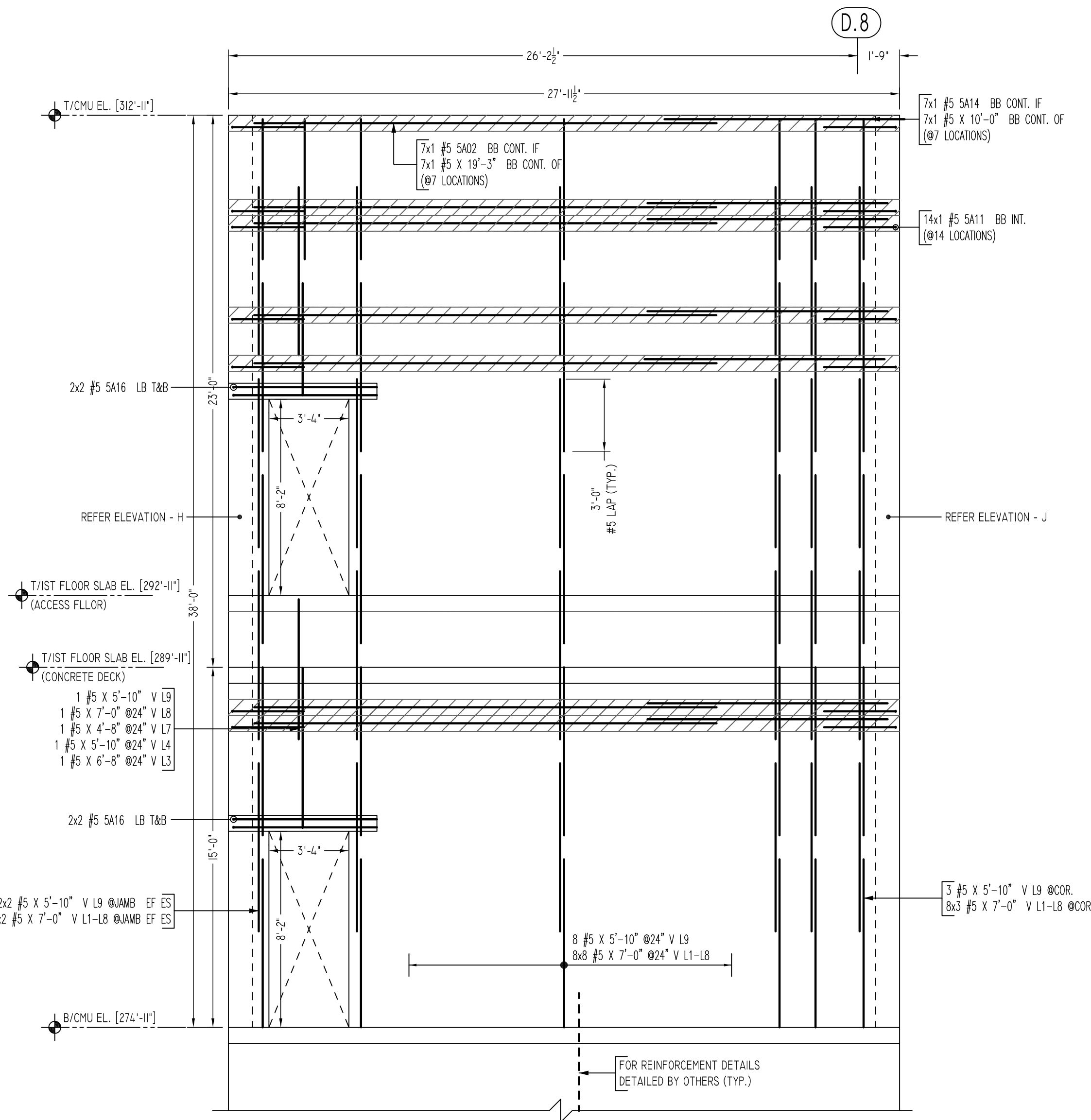
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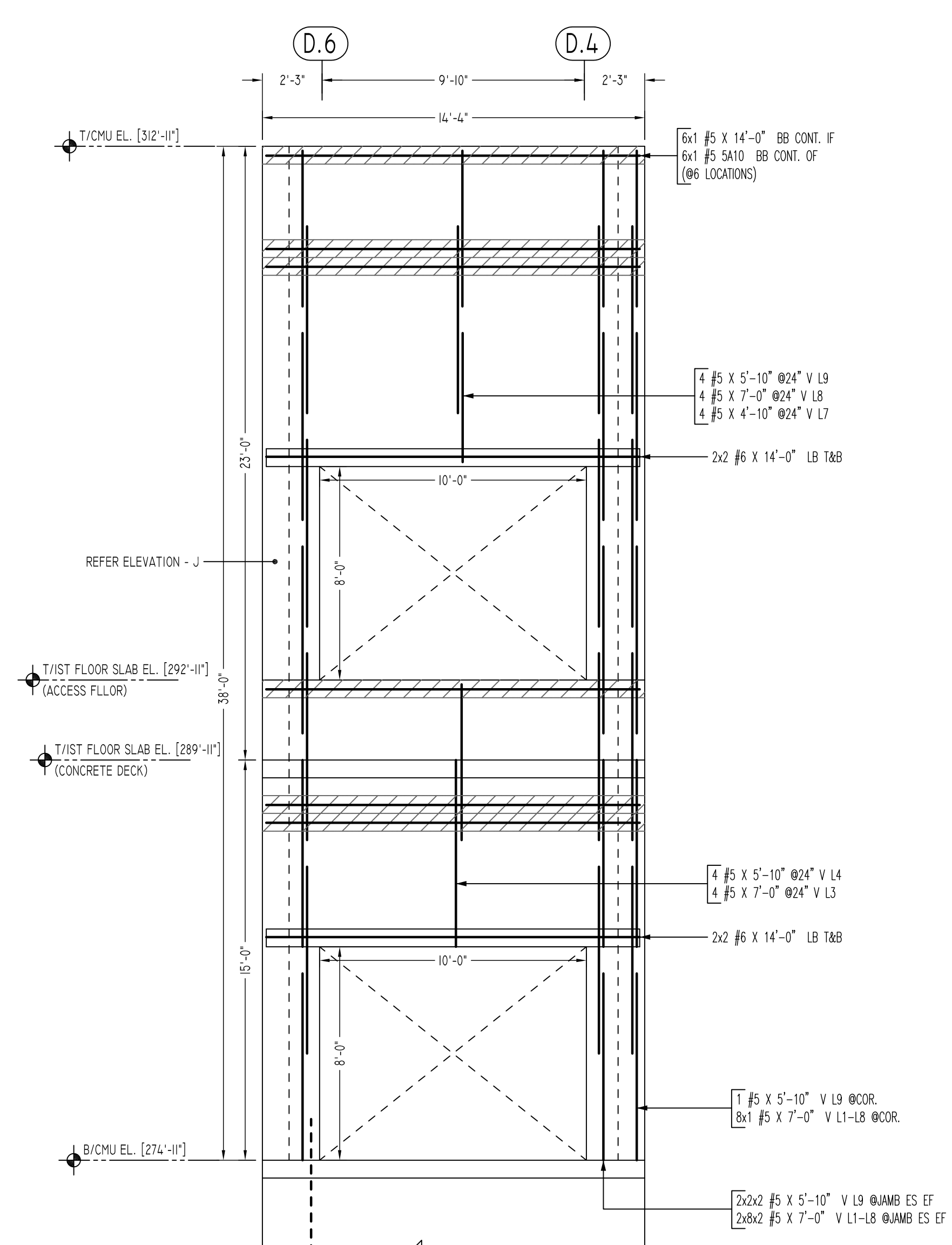
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REVISION MARK	REVISION DETAILS	DATE
0	FOR APPROVAL	08/19/2022

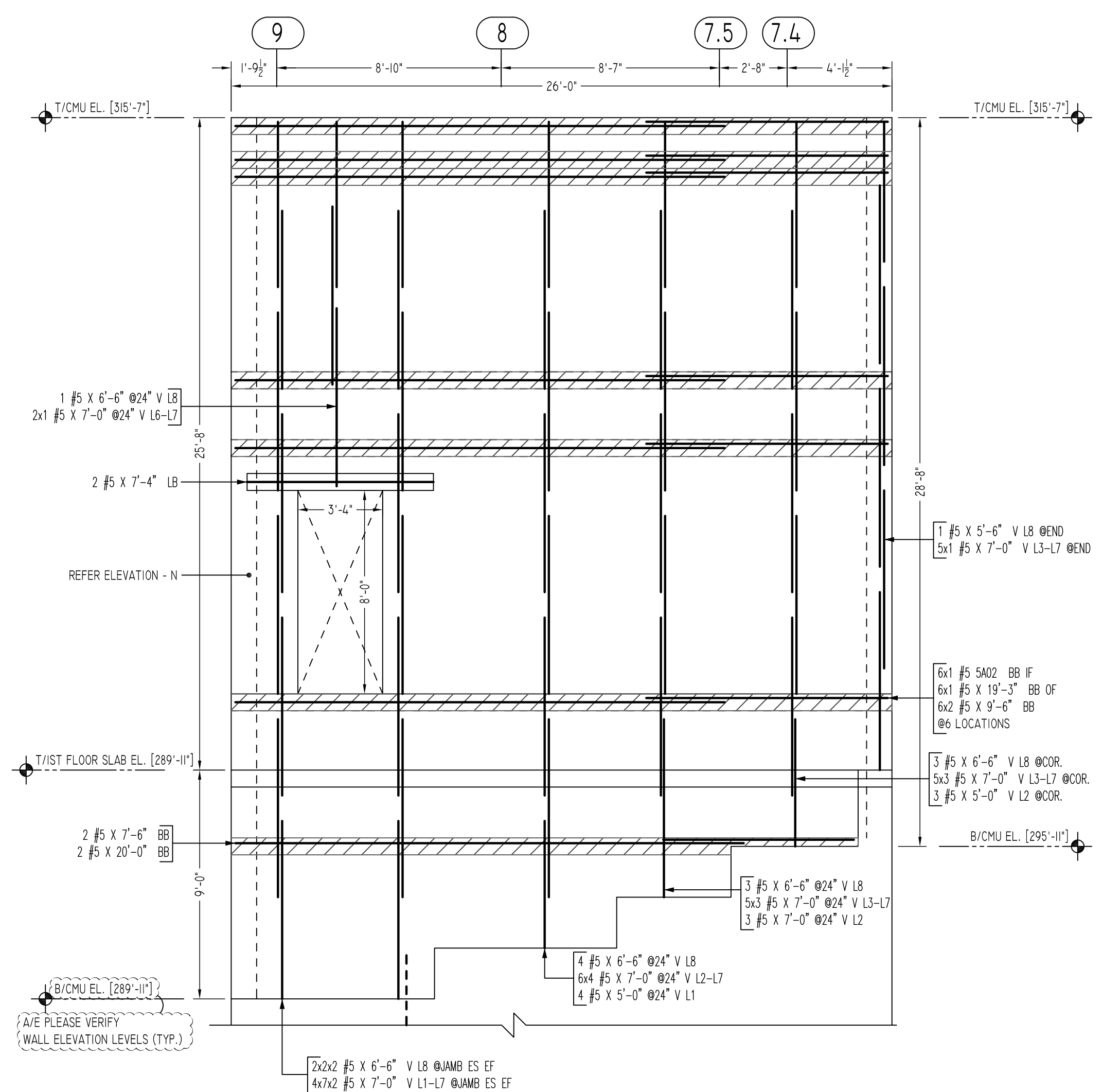
PROJECT	VERIZON YONKERS SAP MEC BUILDING EXPANSION		
LOCATION	10 EXECUTIVE BLVD YONKERS NY 10701		
ARCHITECT	GENESIS		
ENGINEER	MPP		
CUSTOMER	ACRANOM MASONRY		
DRAWN BY:	VGS/MRS	DATE:	08/19/22
REVIEWED BY:	T/L	DATE:	
JOB NO.	-		
DRAWING NO.:	M06		



K ELEVATION
SCALE - 1/4"=1'-0"
REF: S10 & A10
A/E PLEASE VERIFY PROFILE & BAR ARRANGEMENTS (TYP.)



L ELEVATION
SCALE - 1/4"=1'-0"
REF: S10 & A10
A/E PLEASE VERIFY PROFILE & BAR ARRANGEMENTS (TYP.)

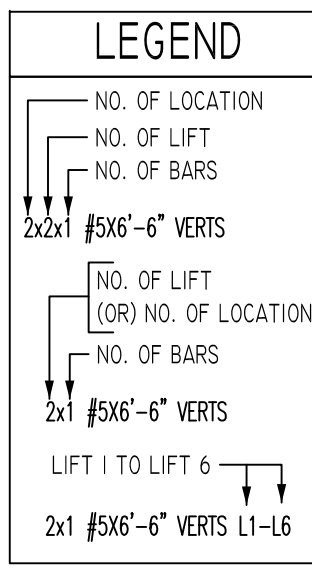


M ELEVATION
SCALE - 1/4"=1'-0"
REF: S10 & A10
A/E PLEASE VERIFY WALL ELEVATION LEVELS (TYP.)

TYPICAL REINFORCING BAR CLEARANCE TABLE

LOCATION	MIN. COVER
WALL TOP & SIDE	2" CLR

ALL BARS IN THIS DRAWING
ASTM A615 GRADE 60
BLACK UNCOATED

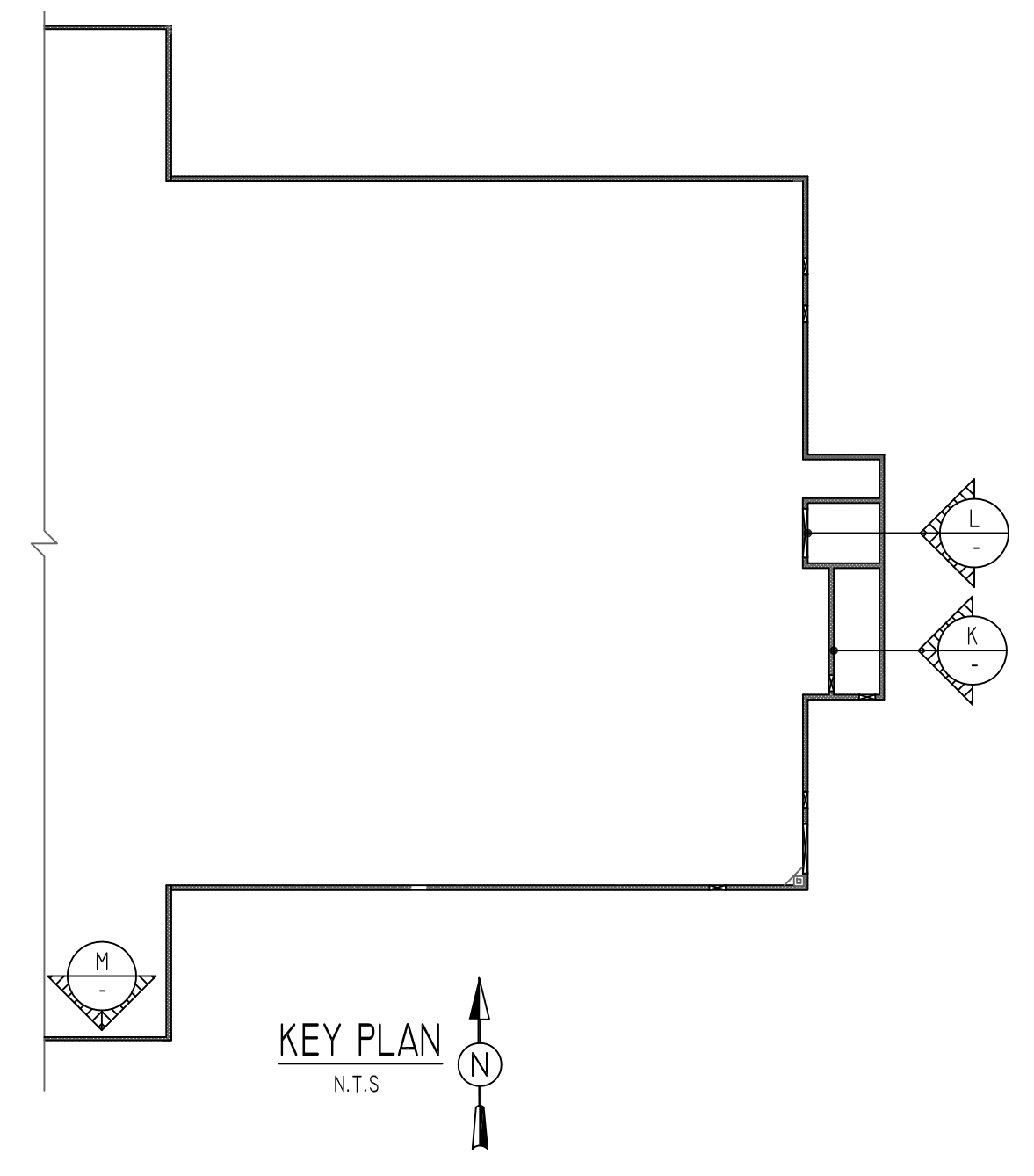
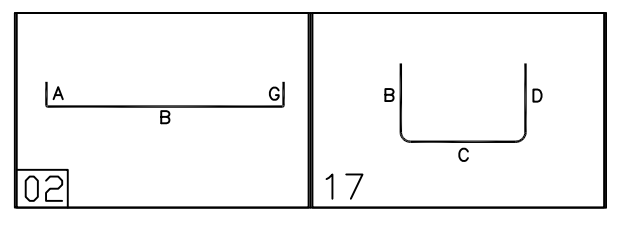


LAP SCHEDULE

SIZE	3000 PSI	
	TOP	OTHERS
#3	28"	22"
#4	37"	29"
#5	47"	36"
#6	56"	43"
#7	81"	63"
#8	93"	72"
#9	105"	81"
#10	118"	91"
#11	131"	101"

Release Number: M07

Bar Mark	Qty	Size	Total Length	Type	X'	Y'	Z'	U'	V'	W'	X''	Y''	Z''	U''	V''	W''	
S402	13	#5	20'-0"	2	0'-10"	19'-2"											
S410	8	#5	15'-8"	2	0'-10"	14'-0"											
S411	14	#5	5'-0"	17		2'-0"											
S414	7	#5	11'-5"	2	0'-10"	10'-7"											
S416	8	#5	6'-10"	2	0'-10"	6'-0"											



Abbreviations:
I.F.=Inside Face
O.F.=Outside Face
E.F.=Each Face
DWL=Dowel
V=Vertical
H=Horizontal
C.B.=Corner Bar
S.DWL=Slab Dowel
E.W.=Each Way
B/BOT=Bottom
T=Top
MDWL=Masonry Dowel
B.B.=Bond Beam
ALT.=Alternate
Approx.=Approximate

OPNG=Opening
BAL=Balance
BTW=Between
CJ=Construction Joint
CLR=CLEARANCE
CMU=Concrete Masonry Unit
CONT=Continuous
EA=Each
Elev.=Elevation
EMB=Embedment
SW=Short Way
LW=Long Way
(BL)=Black Bar
(EP)=Epoxy Bar
(GA)=Galvanized

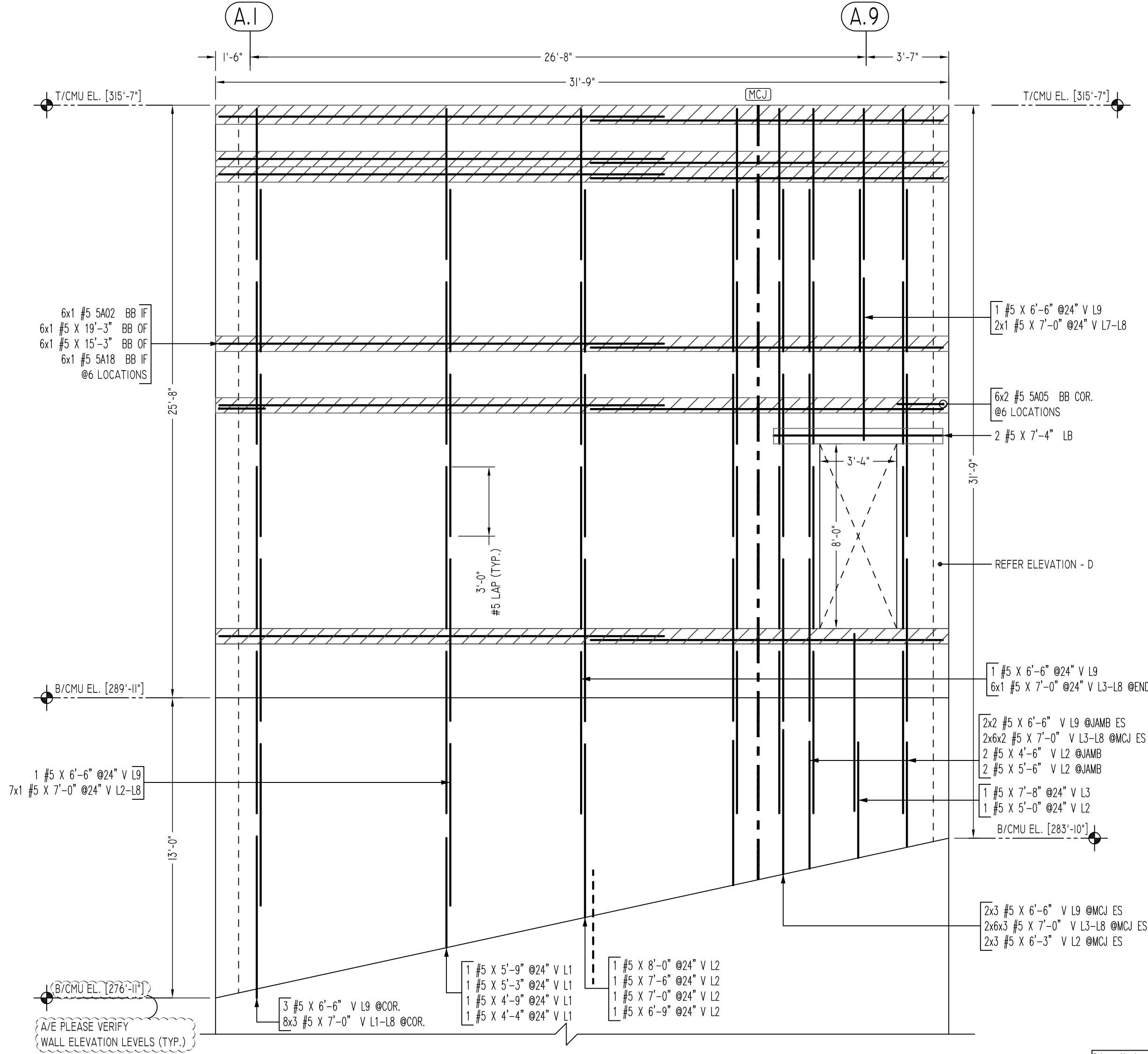
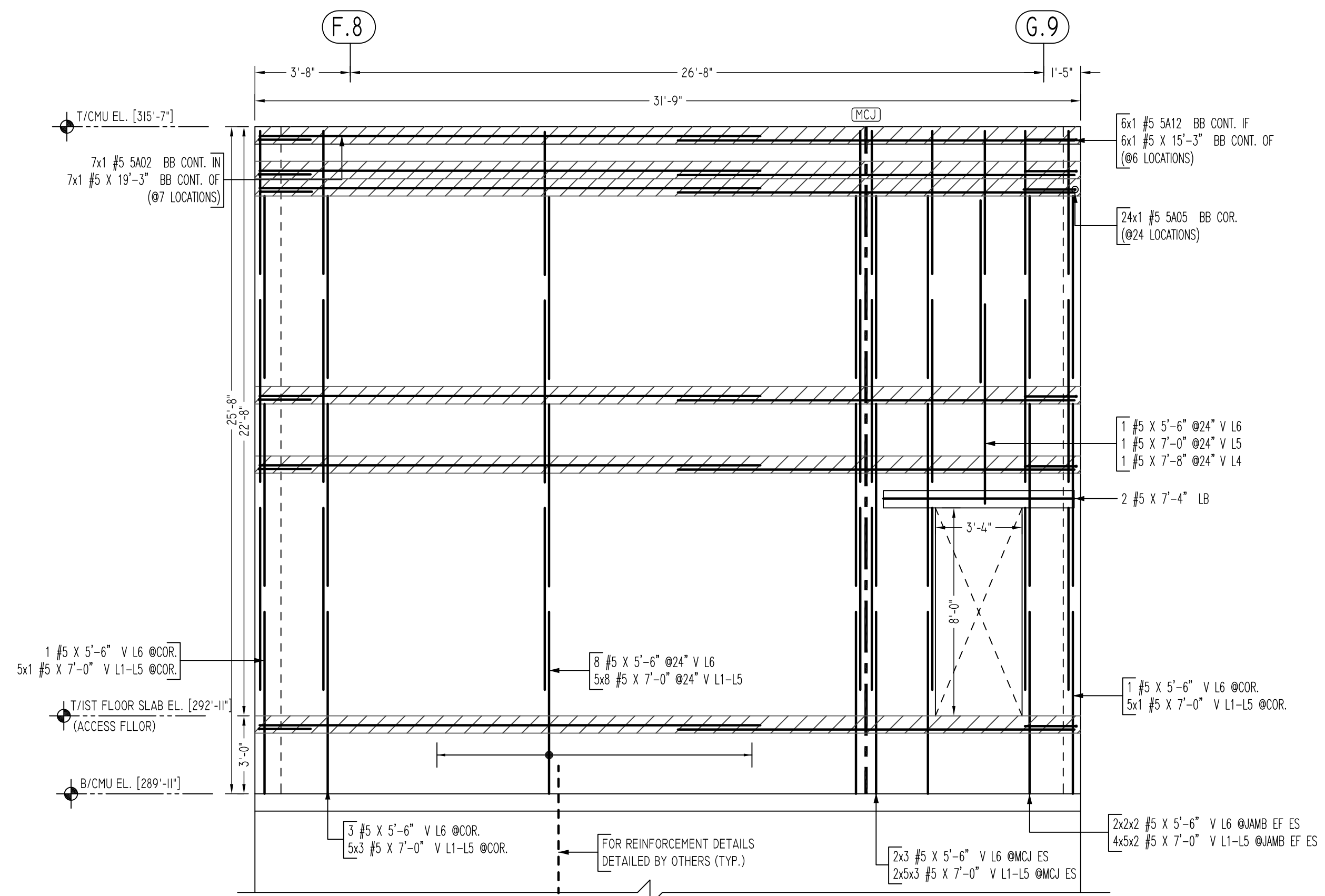
NOTICE

Shortages, improper fabrication or claims for any other reason must be reported to this company within a period of 15 days of delivery. This company reserves the right to field inspect prior to replacement or reconditioning of nonconforming material, and will not honor charges for work done in the field without specific authorization from this company.

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

REVISION MARK	REVISION DETAILS	DATE
0	FOR APPROVAL	08/19/2022

PROJECT	VERIZON YONKERS SAP MEC BUILDING EXPANSION		
LOCATION	10 EXECUTIVE BLVD YONKERS NY 10701		
ARCHITECT	GENESIS		
ENGINEER	MPP		
CUSTOMER	ACRANOM MASONRY		
DRAWN BY:	VGS/MRS	DATE:	08/19/22
REVIEWED BY:	T/L	DATE:	
DRAWING TITLE:	CMU WALL REINFORCEMENT DETAILS		JOB NO.:
			MO7



LEGEND

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

2x2 #5x6'-6" VERTS
 NO. OF LIFT (OR) NO. OF LOCATION
 2x1 #5x6'-6" VERTS
 LIFT 1 TO LIFT 6
 2x1 #5x6'-6" VERTS L1-L6

LAP SCHEDULE

SIZE	3000 PSI	
	TOP	OTHERS
#3	28"	22"
#4	37"	29"
#6	43"	36"
#7	56"	43"
#8	81"	63"
#9	93"	72"
#10	105"	81"
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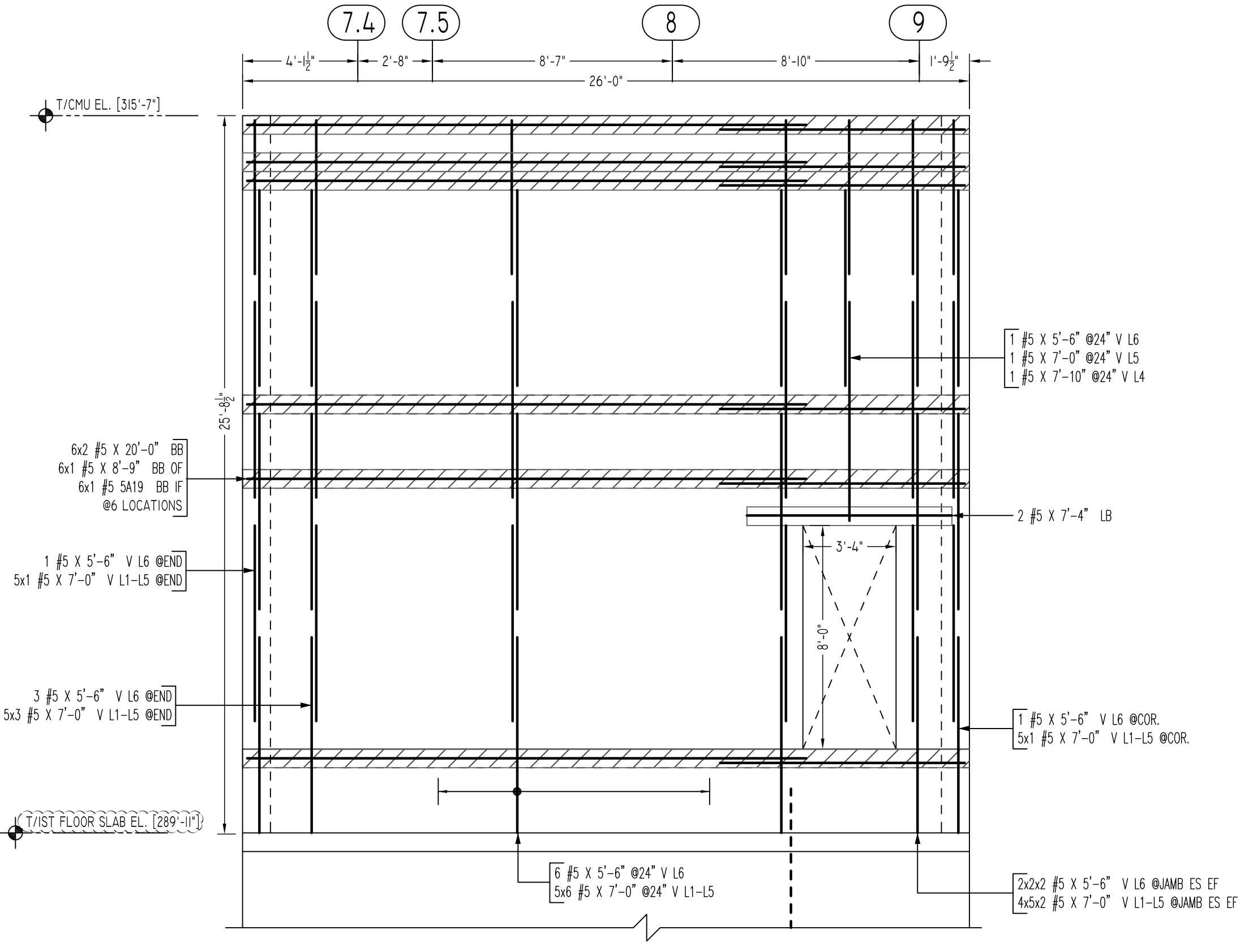
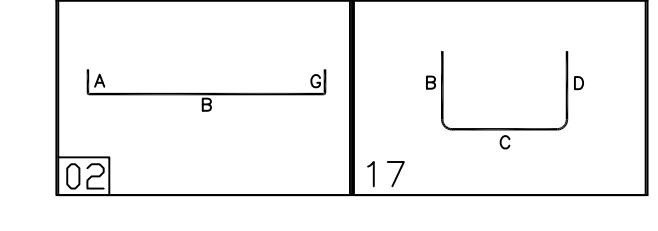
TYPICAL REINFORCING BAR CLEARANCE TABLE

LOCATION	MIN. COVER
WALL TOP & SIDE	2" CLR

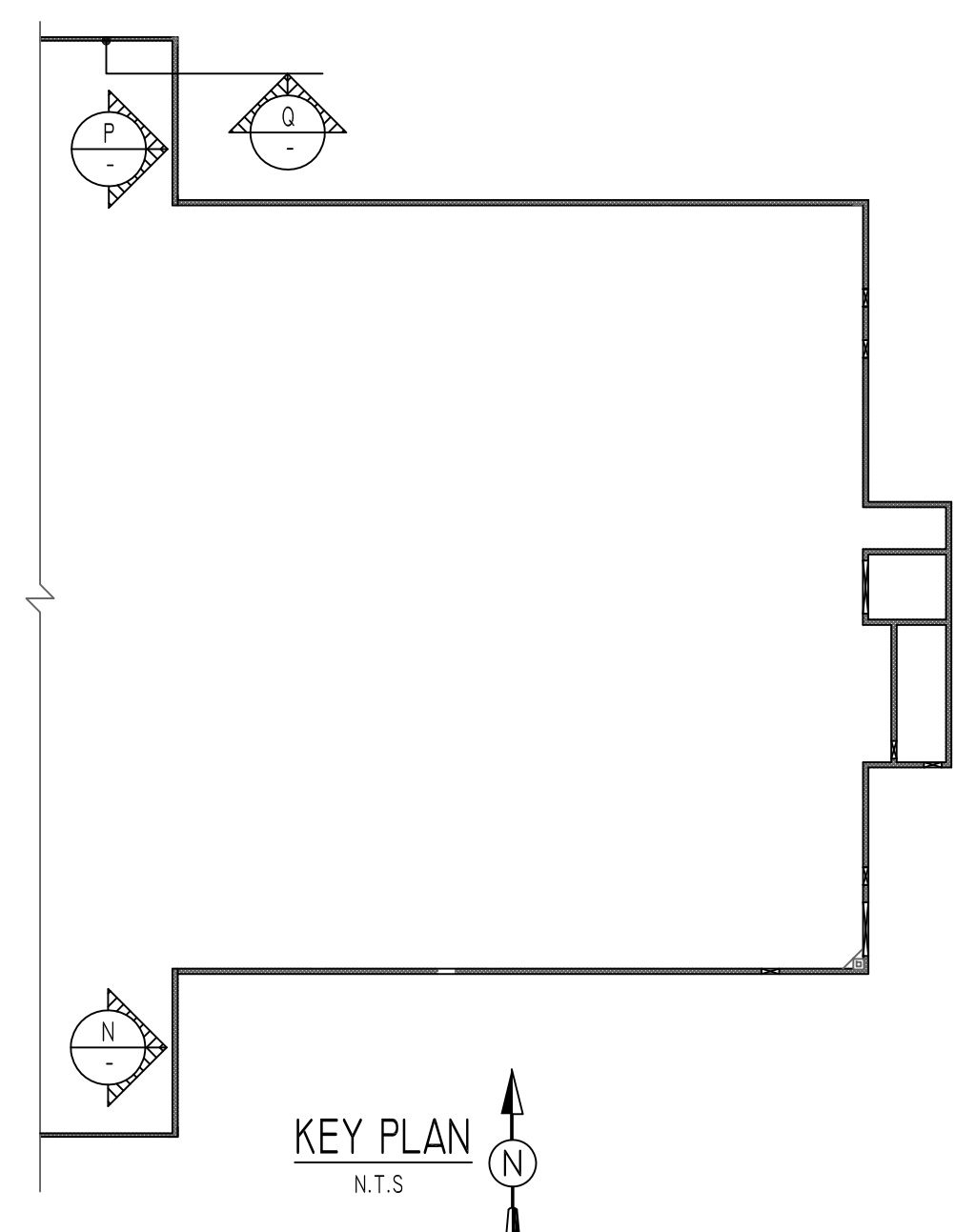
**ALL BARS IN THIS DRAWING
ASTM A615 GRADE 60
BLACK UNCOATED**

Release Number: M08

Bar Mark	Qty	Size	Total Length	Type	X'	Y'	Z'	BENDING DETAILS																
S402	13	#5	20'-0"	2	0'-10"	19'-2"																		
S405	36	#5	4'-0"	17				2'-0"																
S412	6	#5	16'-1"	2	0'-10"	15'-3"																		
S418	6	#5	15'-10"	2	0'-10"	15'-0"																		
S419	6	#5	9'-7"	2	0'-10"	8'-9"																		



Q ELEVATION
SCALE - 1/4"=1'-0"
REF: S10 & A10



P ELEVATION
SCALE - 1/4"=1'-0"
REF: S10 & A10

- Abbreviations:**
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DRAWN BY:	VGS/MRS	DATE: 08/19/22	REVIEWED BY: T/L
DRAWING TITLE:	CMU WALL REINFORCEMENT DETAILS		DRAWING NO.: M08