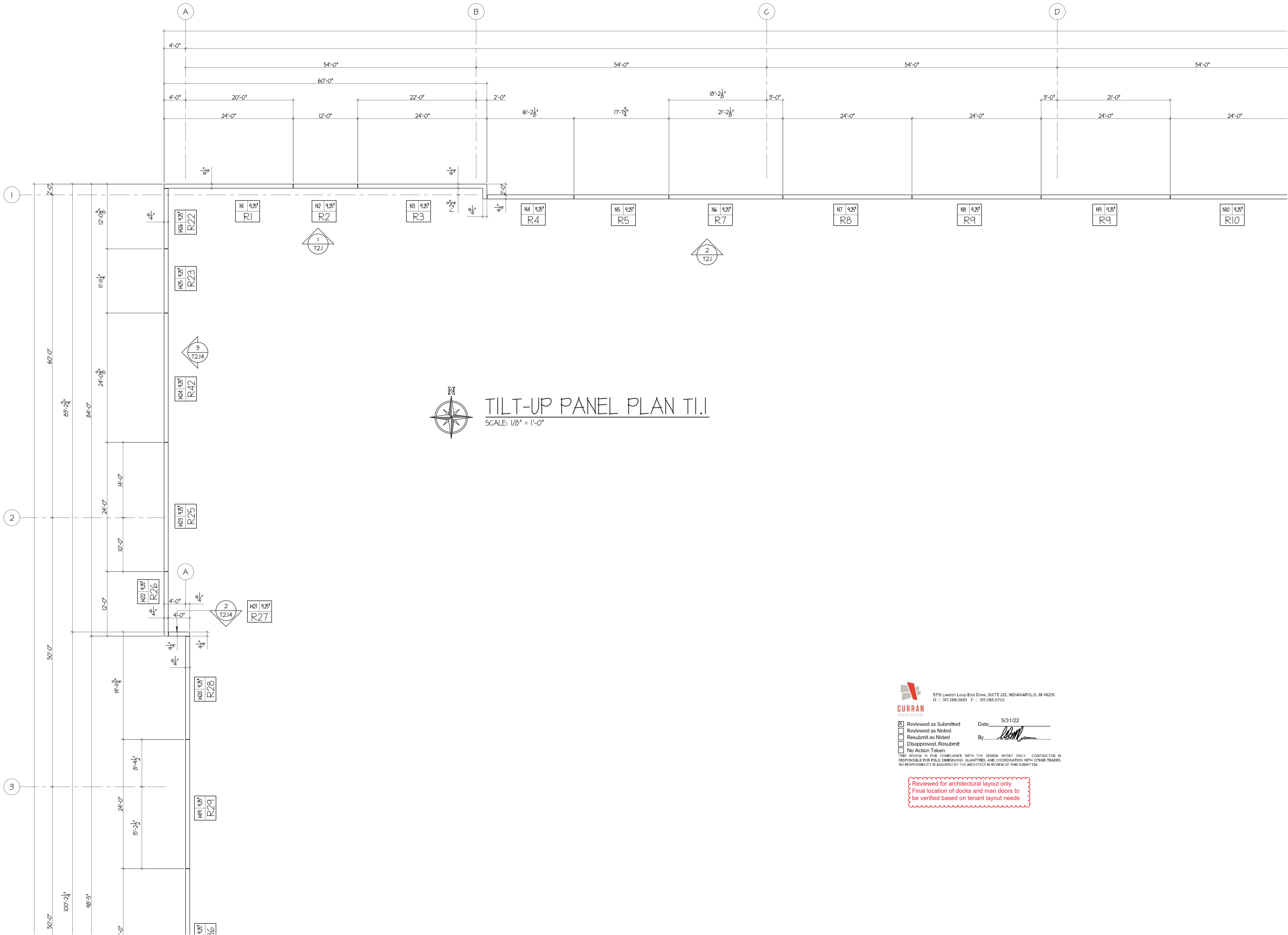


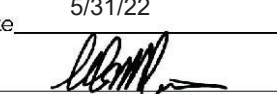




5719 Lawton Loop East Drive, SUITE 212, INDIANAPOLIS, IN 46216
O : 317.288.0681 F : 317.288.0753

☒ Reviewed as Submitted
☐ Reviewed as Noted
☐ Resubmit as Noted
☐ Disapproved, Resubmit
☐ No Action Taken

THIS REVIEW IS FOR COMPLIANCE WITH THE DESIGN INTENT ONLY. CONTRACTOR IS RESPONSIBLE FOR FIELD DIMENSIONS, QUANTITIES AND COORDINATION WITH OTHER TRADES. NO RESPONSIBILITY IS ASSUMED BY THE ARCHITECT IN REVIEW OF THIS SUBMITTAL.

Date: 5/31/22
By: 

Reviewed for architectural layout only.
Final location of docks and man doors to
be verified based on tenant layout needs

FOR REVIEW AND APPROVAL 2022-05-16

Lee's Summit Logistics
Building A Lot 1
NW Corner of NE Tudor Rd. & Main St.
Lee's Summit, MO 64086

ISSUE TYPE
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ISSUE DATE
2022-05-16

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T1.1

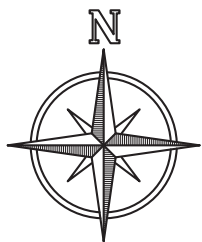
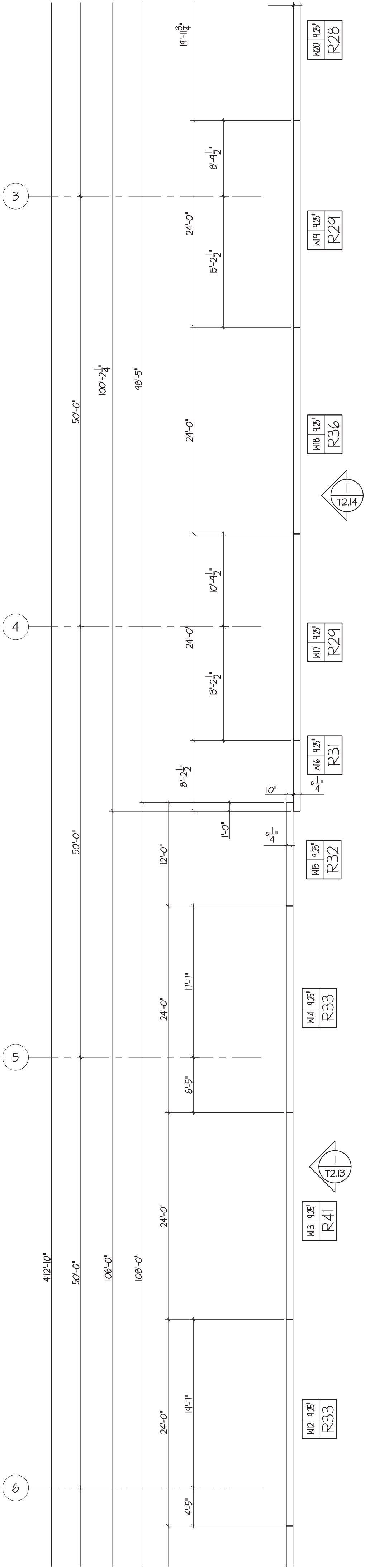


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TILT-UP PANEL PLAN T1.2
SCALE: 1/8" = 1'-0"

FOR REVIEW AND APPROVAL 2022-05-16

Lee's Summit Logistics
Building A Lot 1
NW Corner of NE Tudor Rd. & Main St.
Lee's Summit, MO 64086

ISSUE TYPE	ISSUE DATE
FOR REVIEW AND APPROVAL	2022-05-16

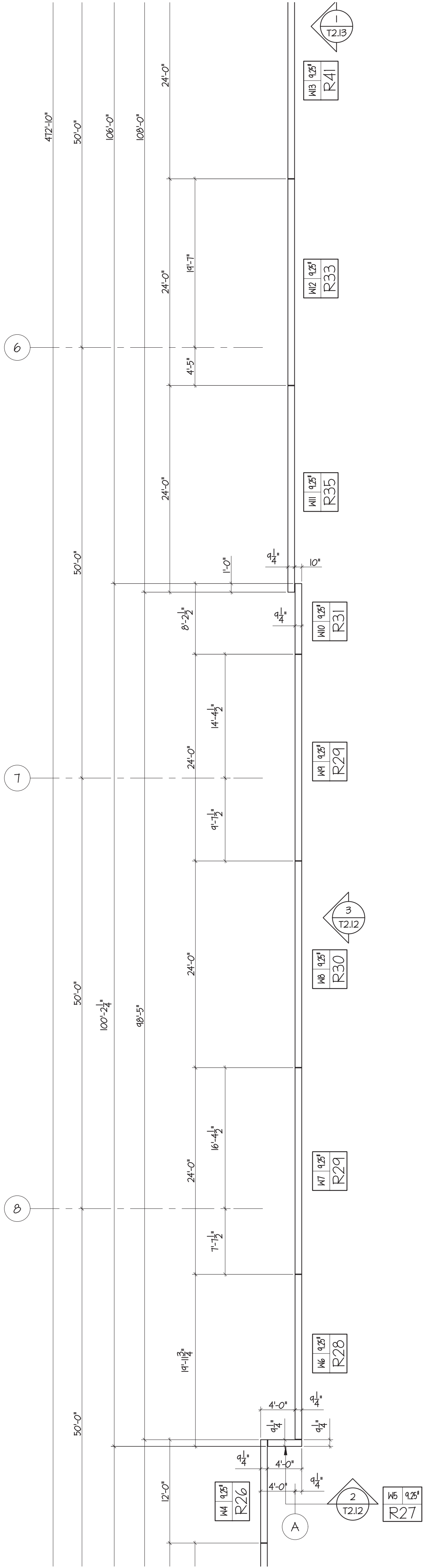
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T1.2

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TILT-UP PANEL PLAN T1.3

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

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Lee's Summit, MO 64086

ISSUE TYPE
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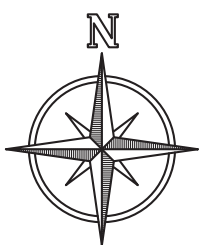
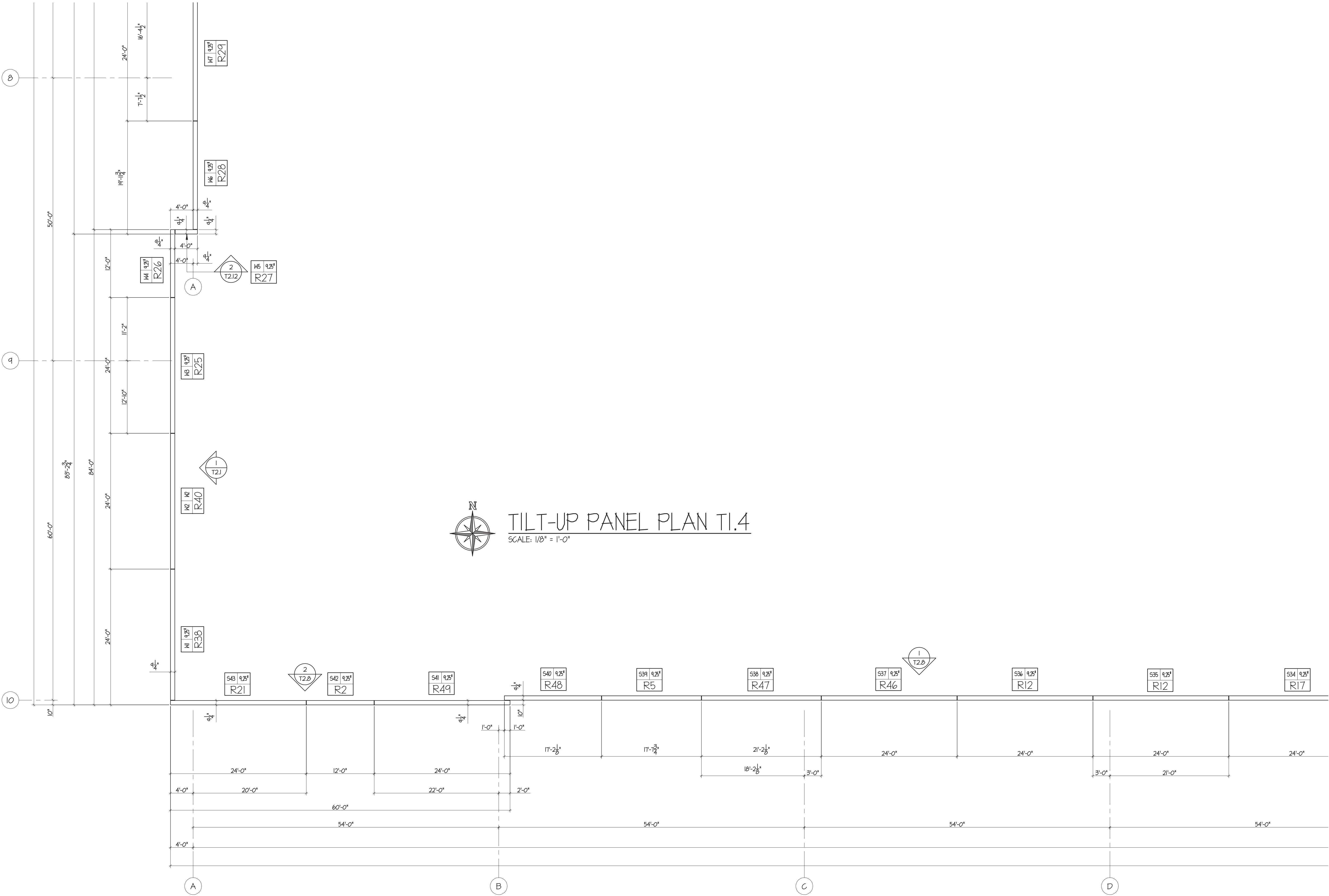
SHEET NO:

T1.3

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TILT-UP PANEL PLAN T1.4

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

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Lee's Summit, MO 64086

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2022-05-16

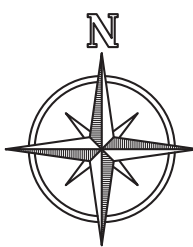
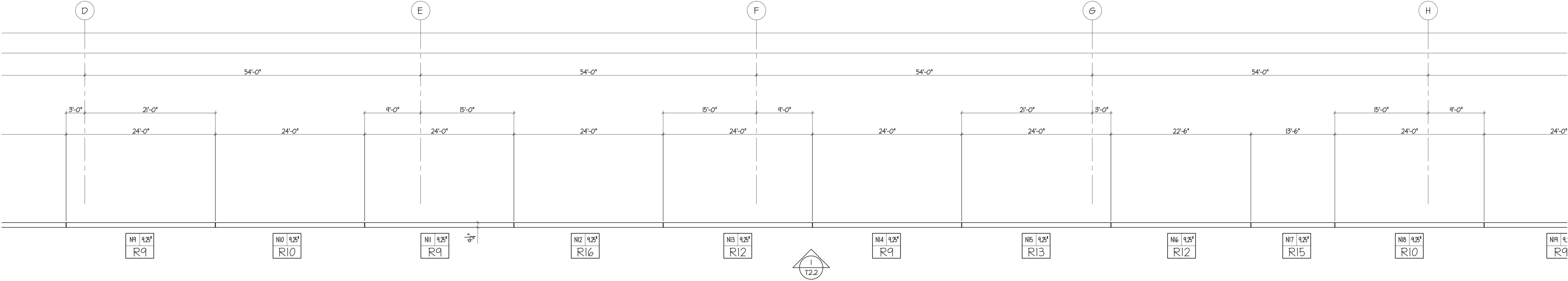
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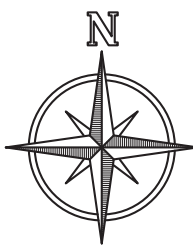
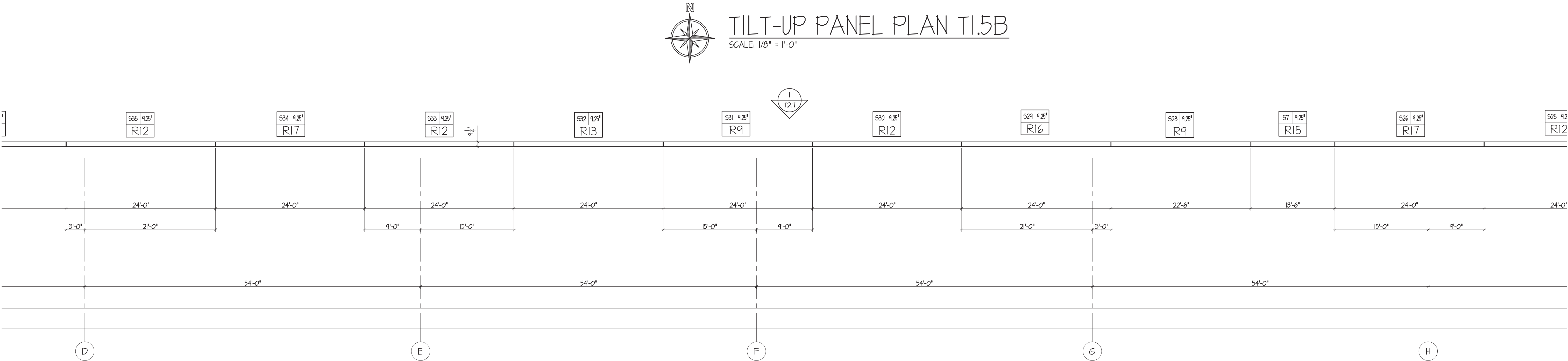
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TILT-UP PANEL PLAN TI.5A
SCALE: 1/8" = 1'-0"



TILT-UP PANEL PLAN TI.5B
SCALE: 1/8" = 1'-0"



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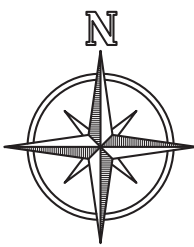
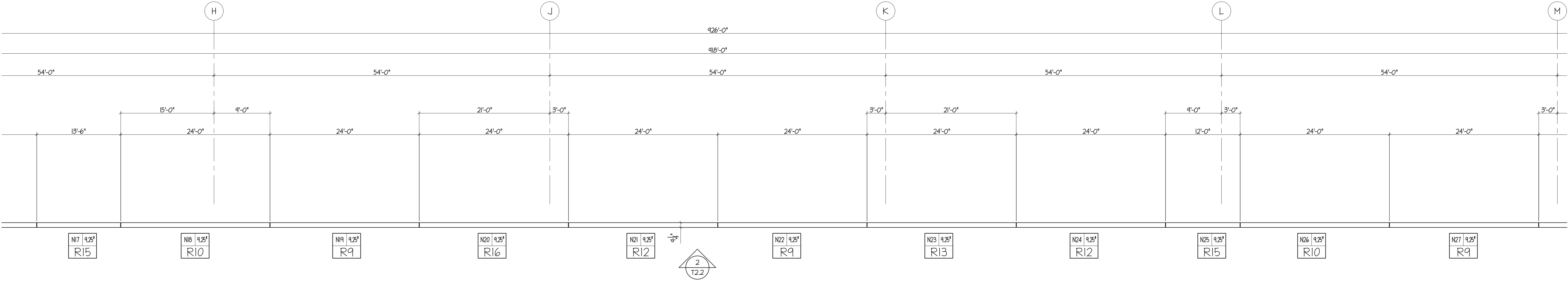
Lee's Summit Logistics
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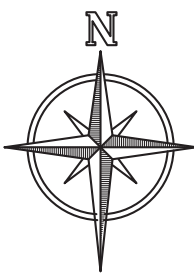
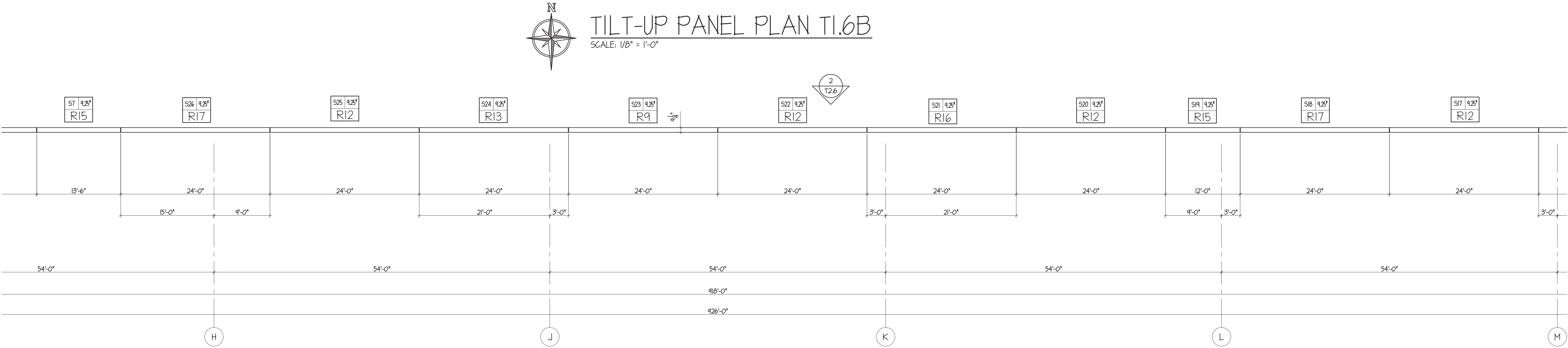
ISSUE DATE
2022-05-16

SHEET NO:

T1.5



TILT-UP PANEL PLAN TI.6A
SCALE: 1/8" = 1'-0"



TILT-UP PANEL PLAN TI.6B
SCALE: 1/8" = 1'-0"



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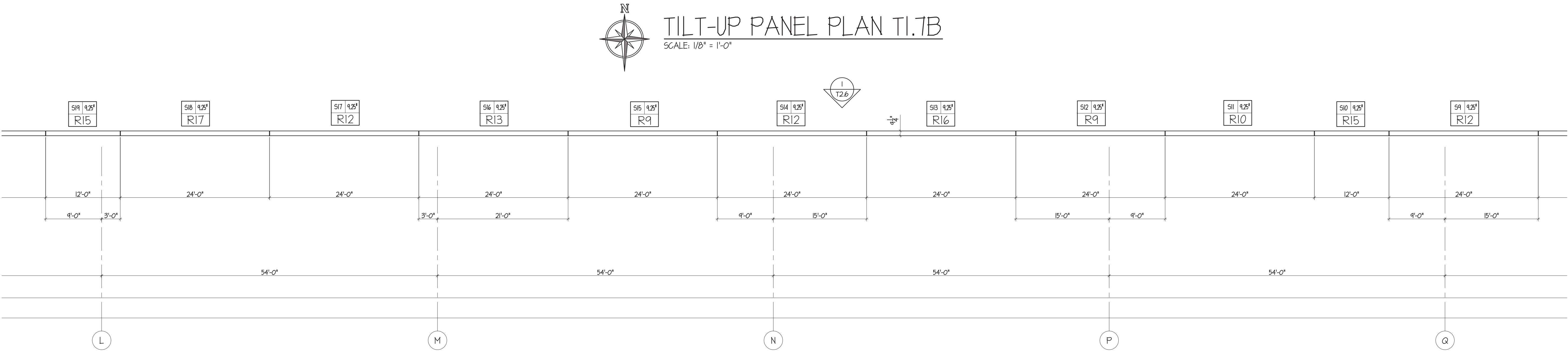
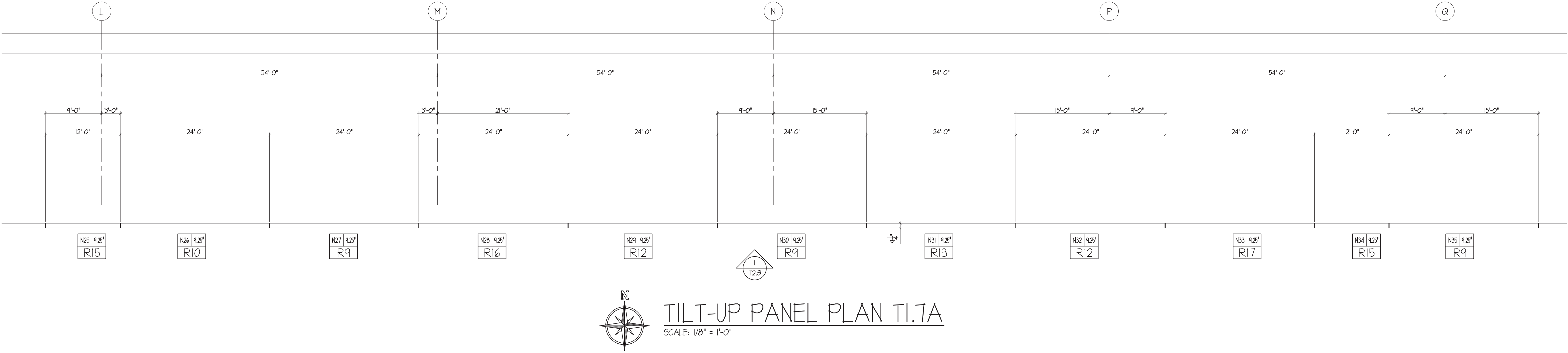
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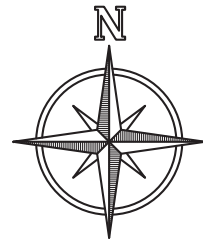
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ISSUE DATE
2022-05-16

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T1.7



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



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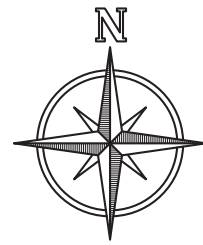
4655 Lemay Ferry Road
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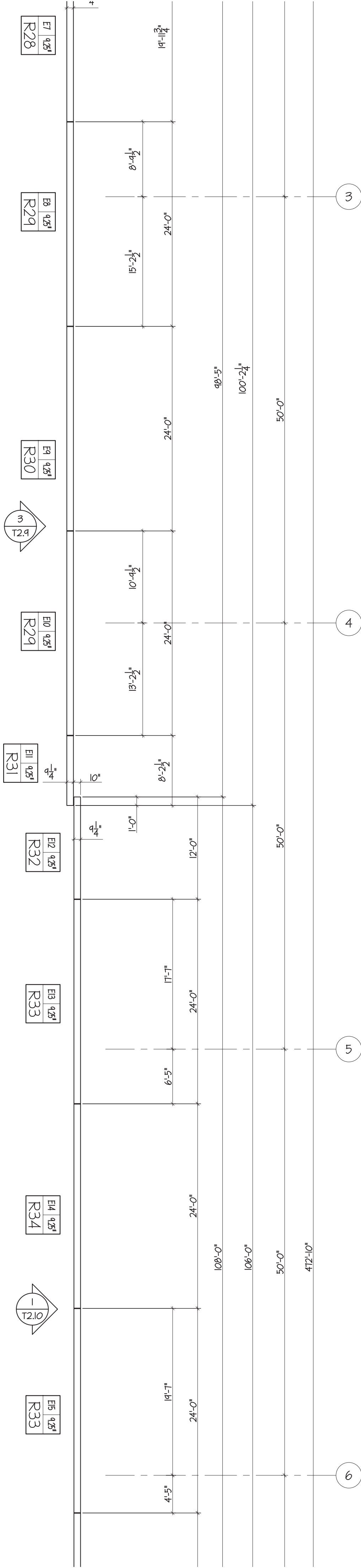
ISSUE TYPE	ISSUE DATE
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T1.8



TILT-UP PANEL PLAN T1.9

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



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ISSUE TYPE	ISSUE DATE
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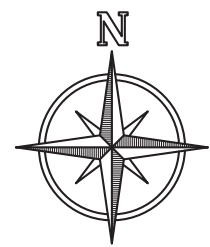
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T1.10

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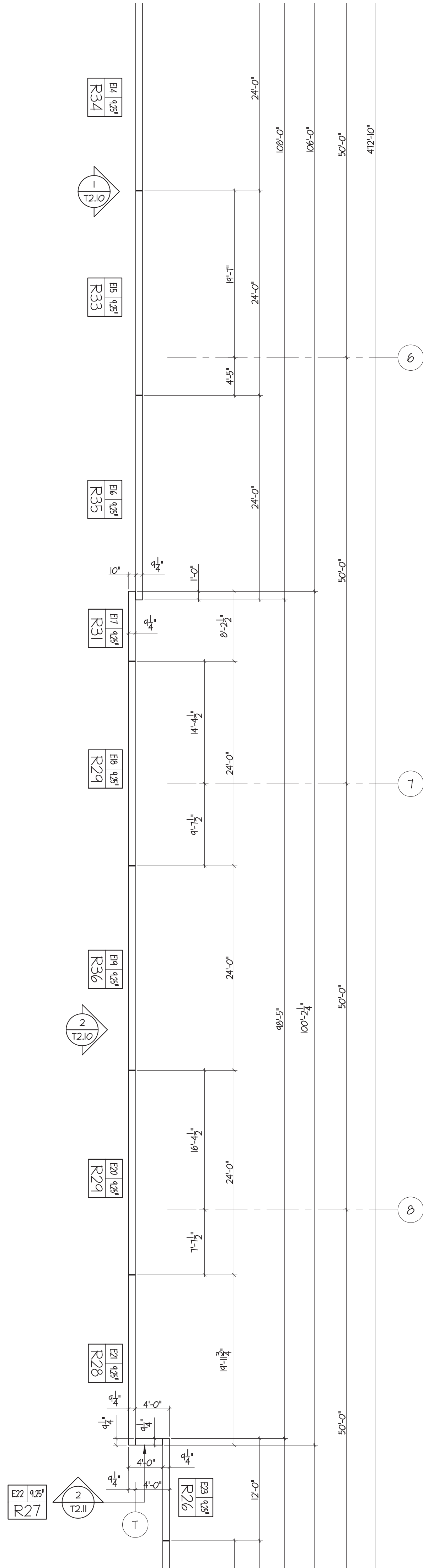
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TILT-UP PANEL PLAN T1.10

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



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ISSUE TYPE	ISSUE DATE
FOR REVIEW AND APPROVAL	2022-05-14

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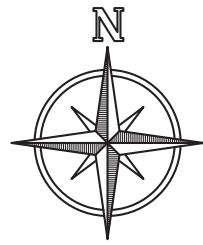
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SCALE: 1/8" = 1'-0"

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ISSUE TYPE	ISSUE DATE
FOR REVIEW AND APPROVAL	2022-05-14

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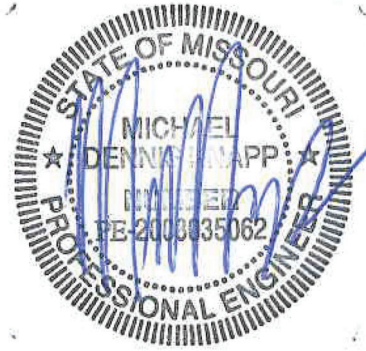
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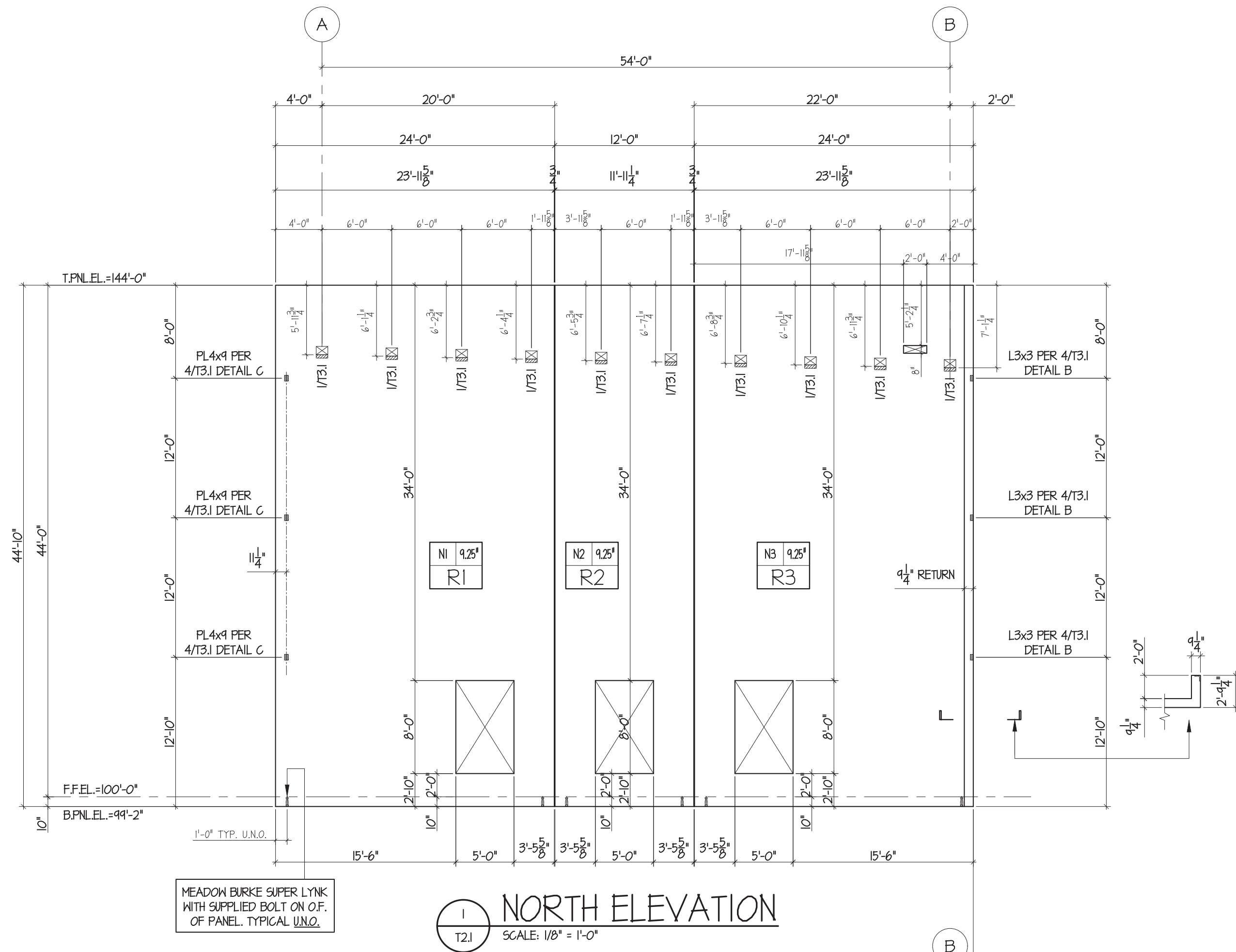


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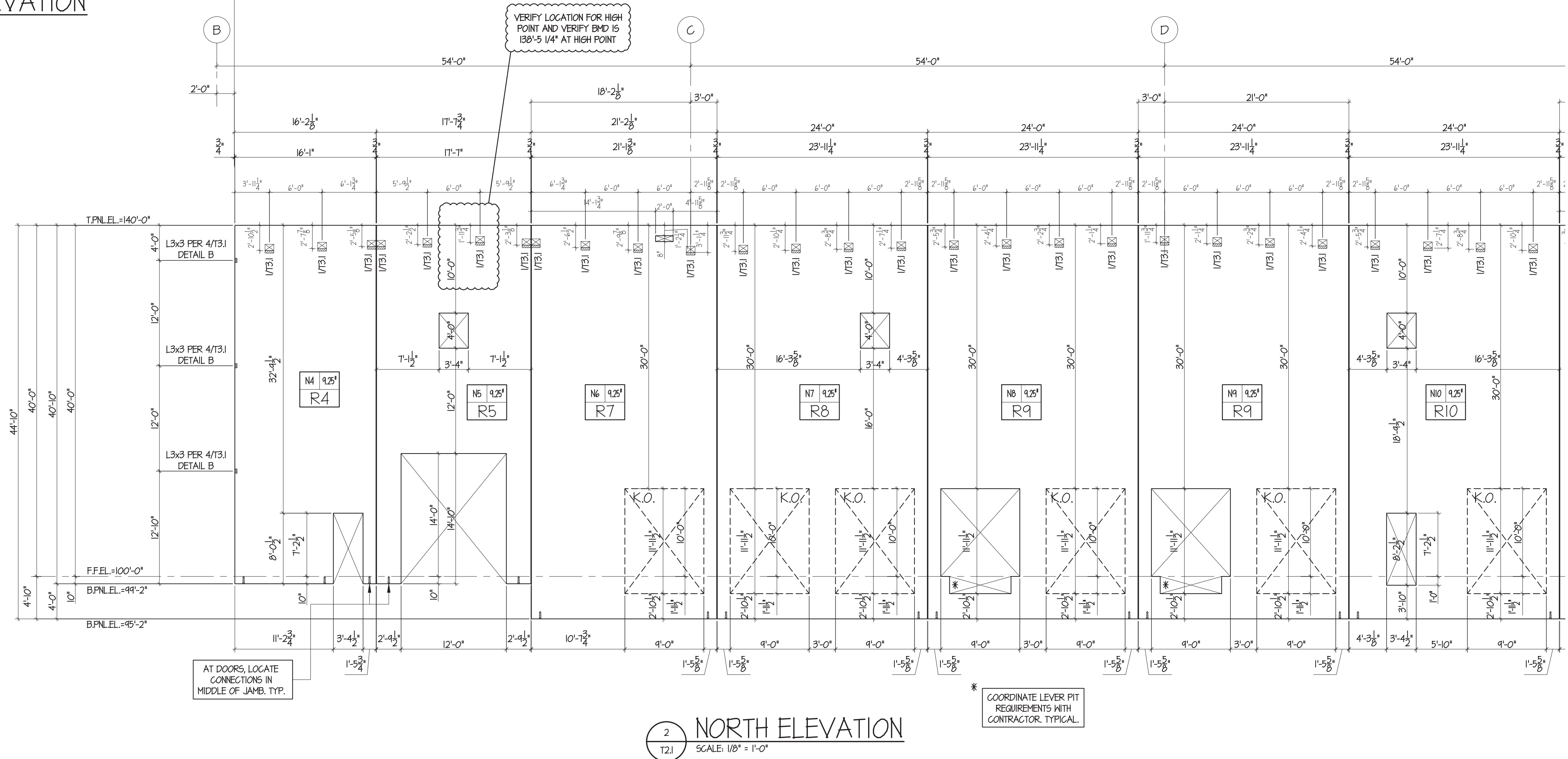


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1 NORTH ELEVATION
SCALE: 1/8" = 1'-0"



2 NORTH ELEVATION
SCALE: 1/8" = 1'-0"

* COORDINATE LEVER PIT REQUIREMENTS WITH CONTRACTOR, TYPICAL.

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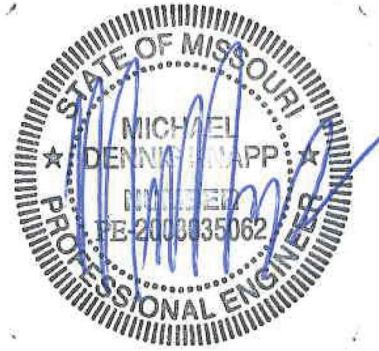
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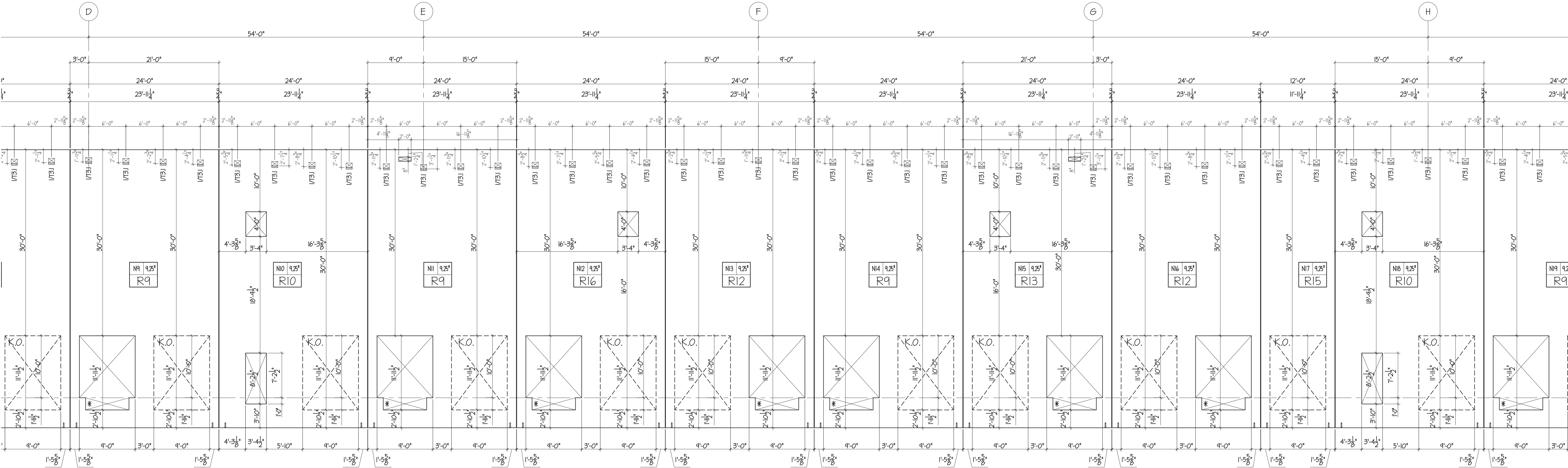
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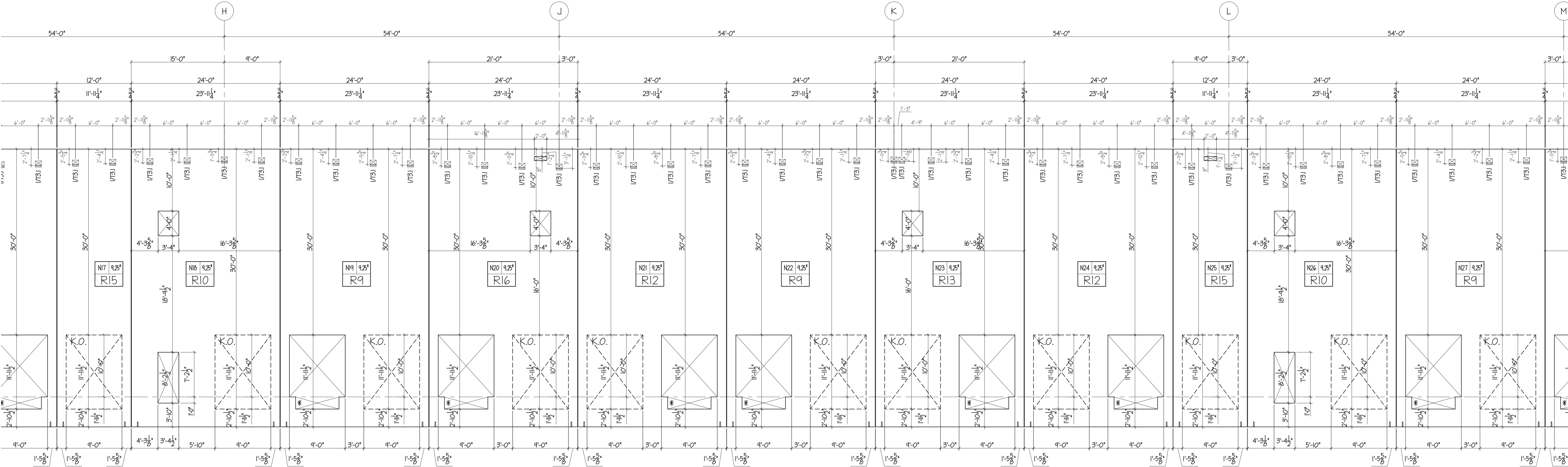


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1 NORTH ELEVATION
SCALE: 1/8" = 1'-0"



2 NORTH ELEVATION
SCALE: 1/8" = 1'-0"



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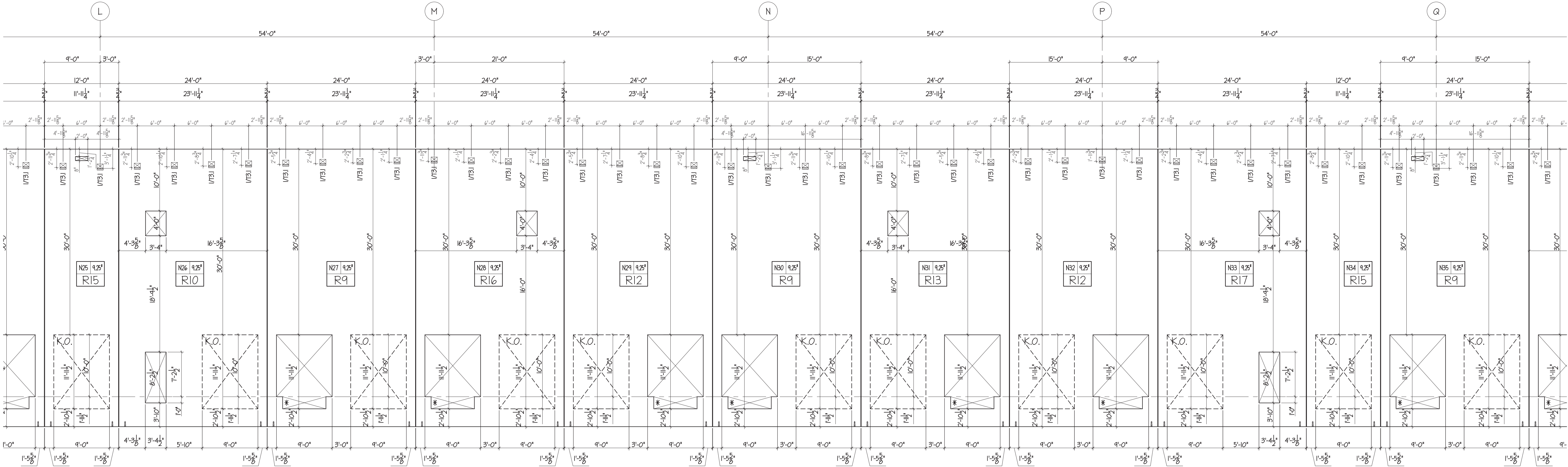
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T2.2



1 NORTH ELEVATION
T2.3 SCALE: 1/8" = 1'-0"

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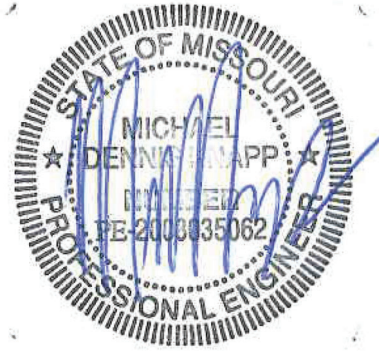
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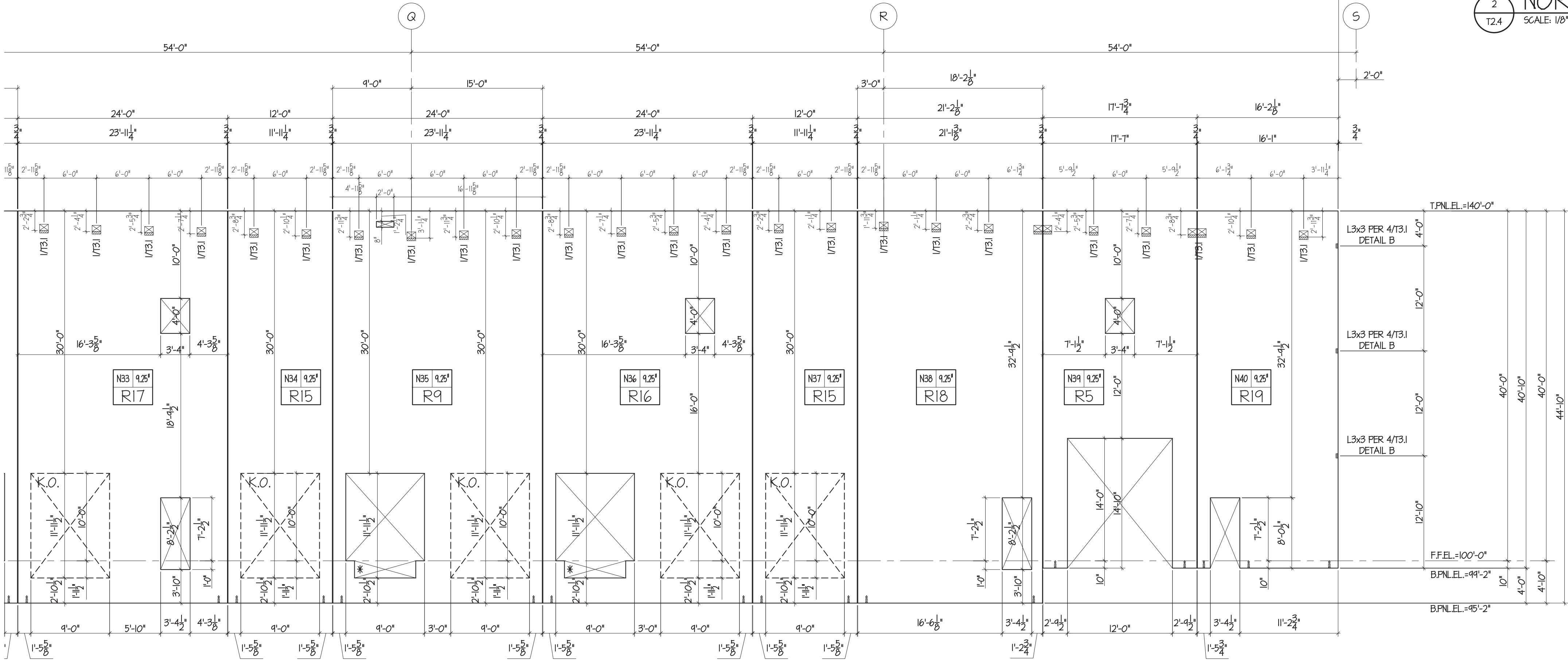
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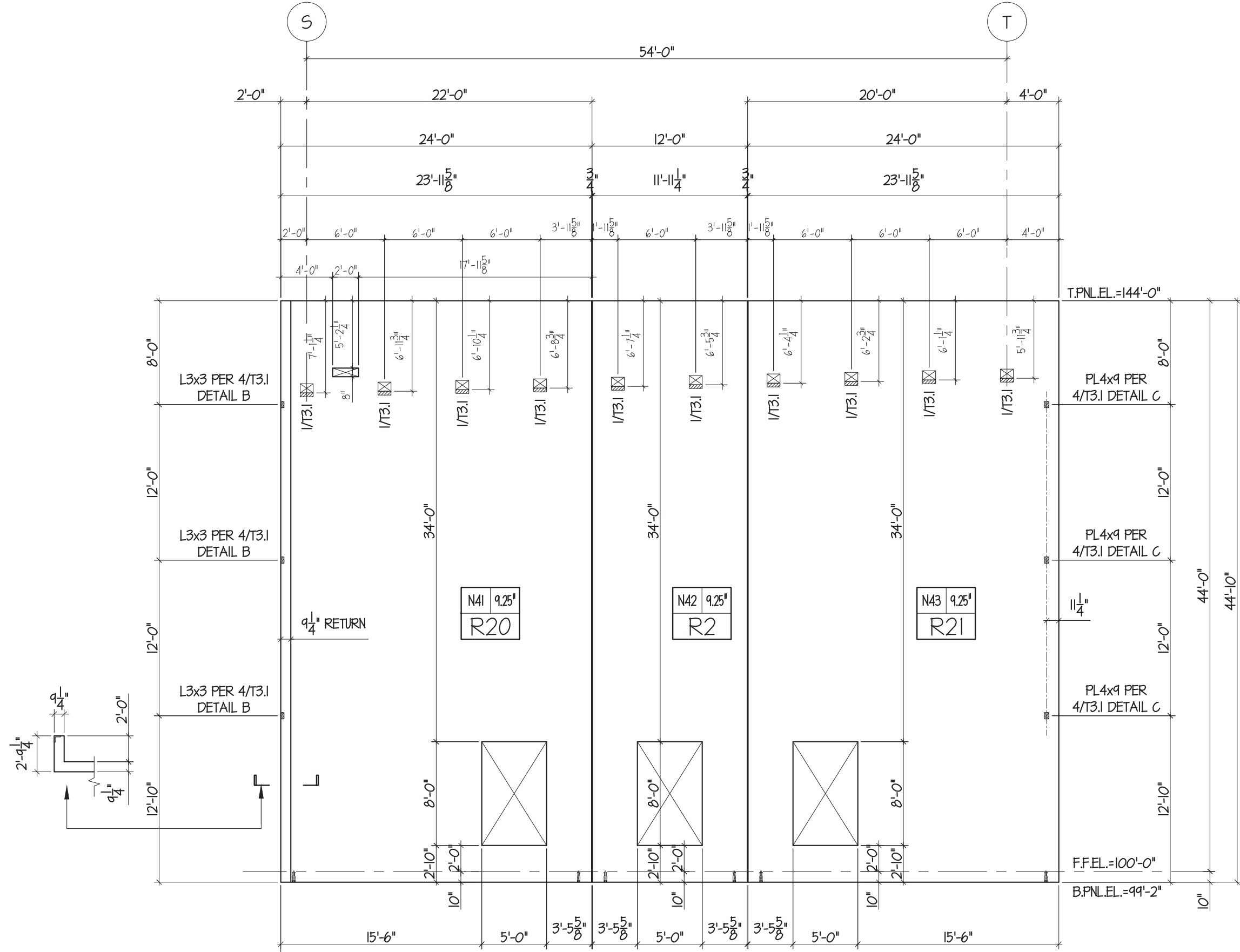


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1 NORTH ELEVATION
SCALE: 1/8" = 1'-0"



2 NORTH ELEVATION
SCALE: 1/8" = 1'-0"

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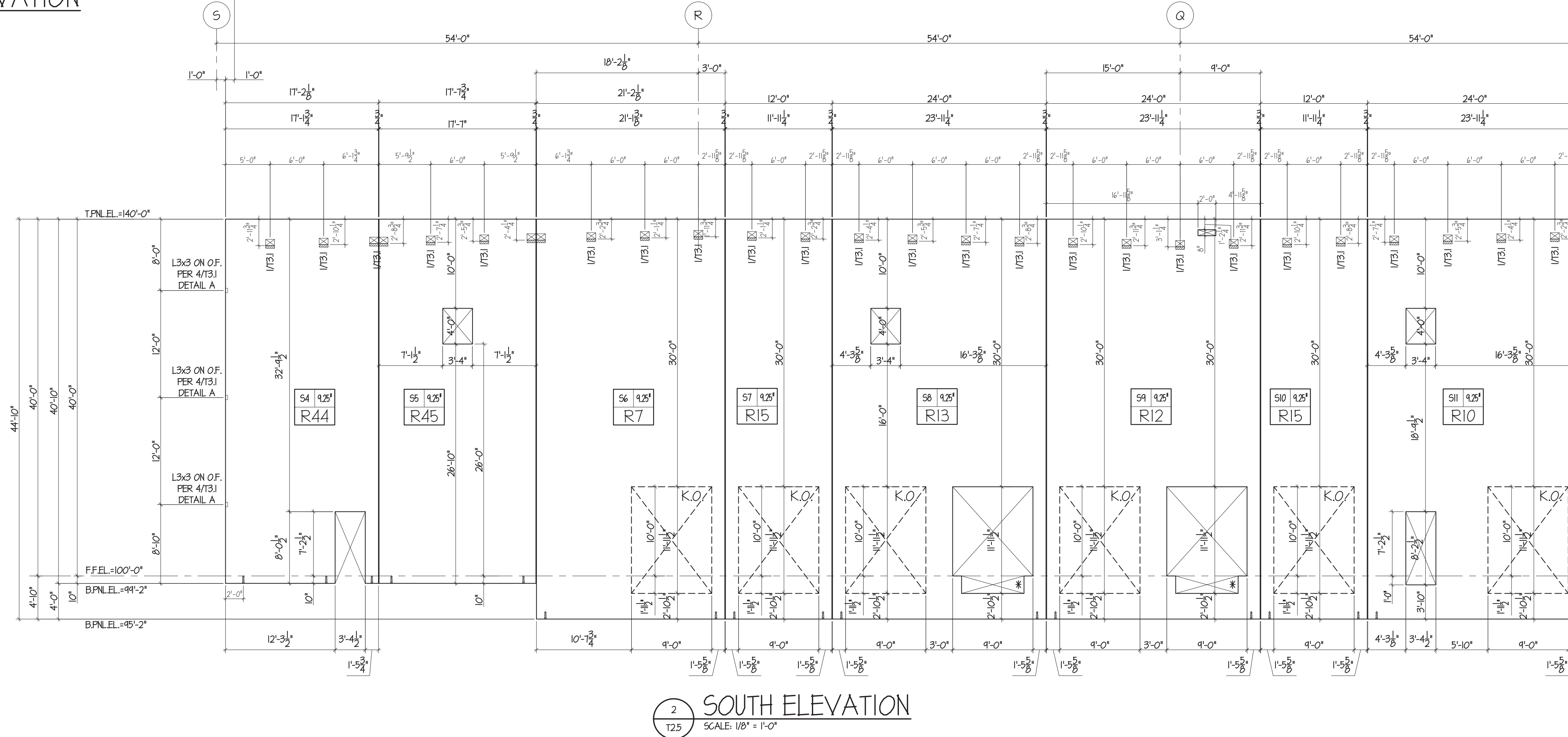
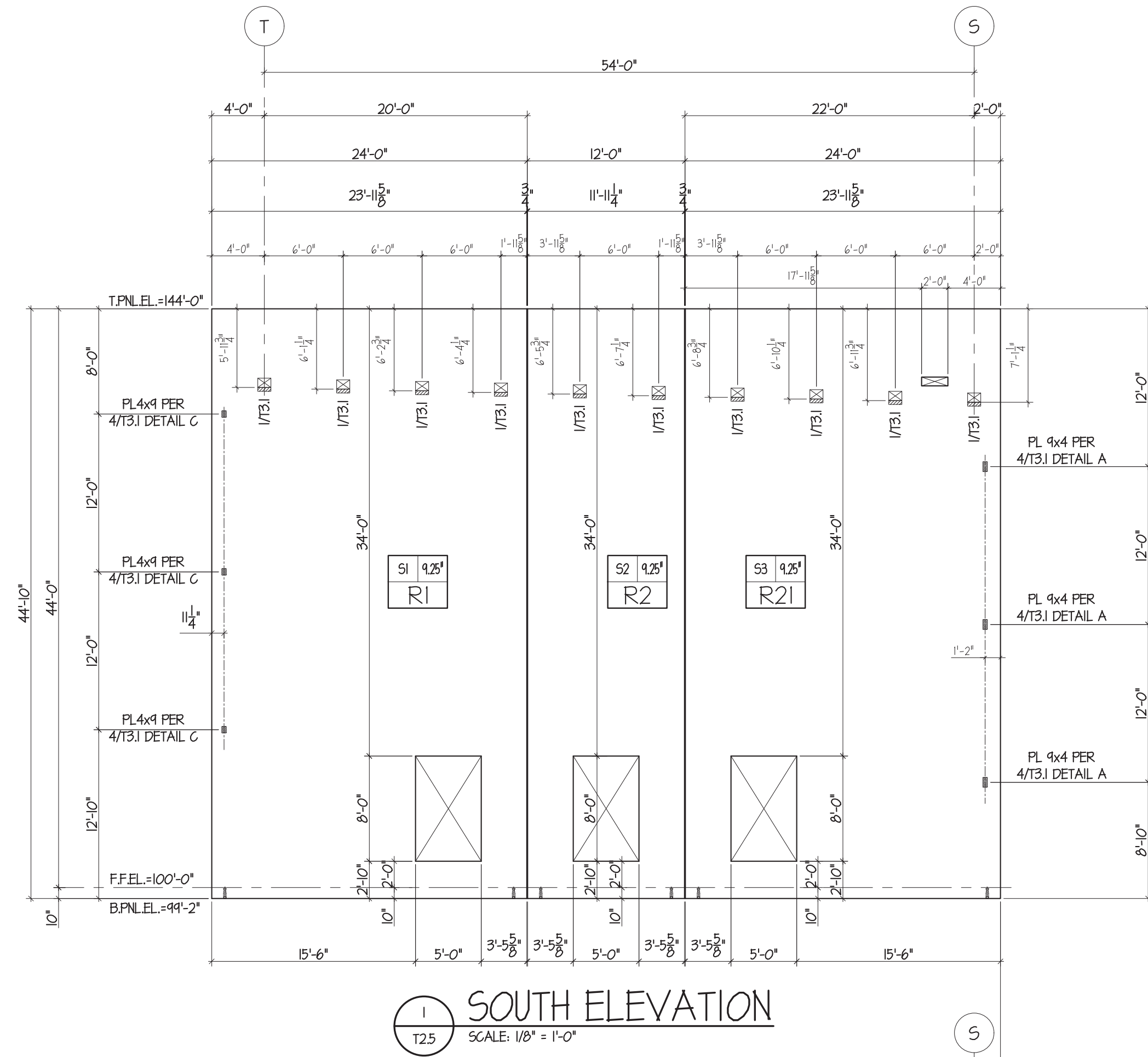
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T2.4



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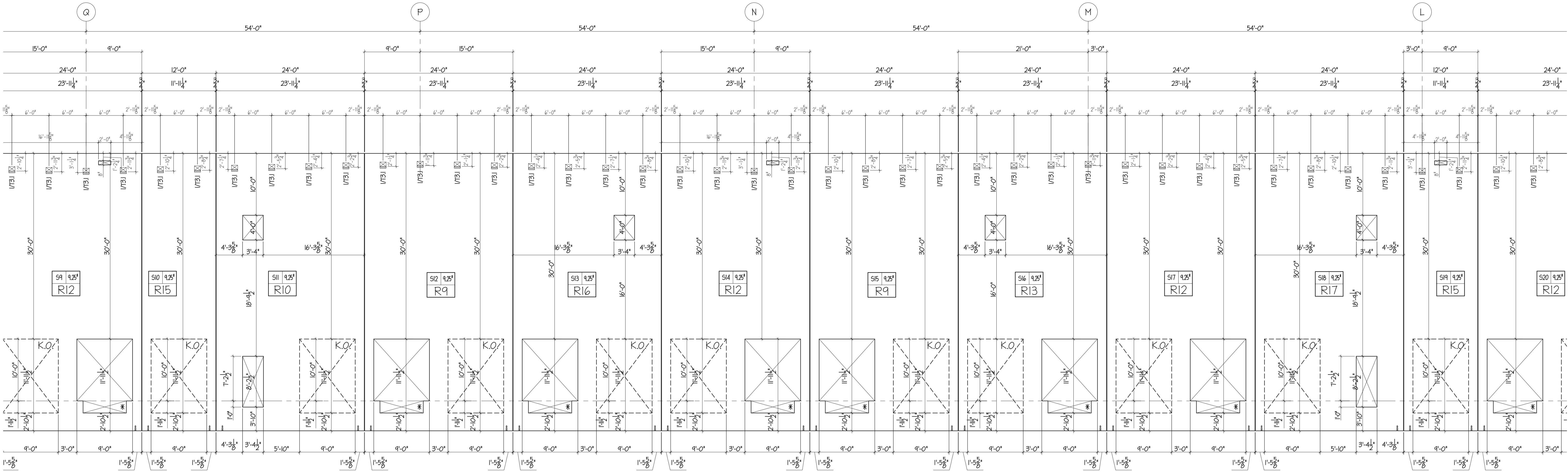
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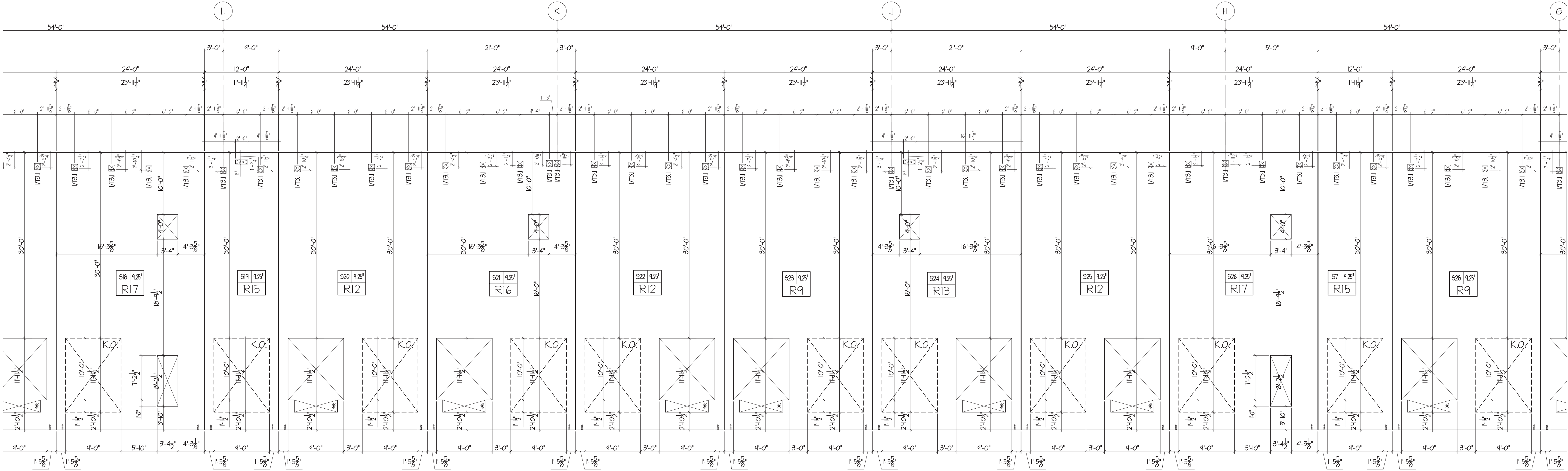


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1 SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



2 SOUTH ELEVATION
SCALE: 1/8" = 1'-0"

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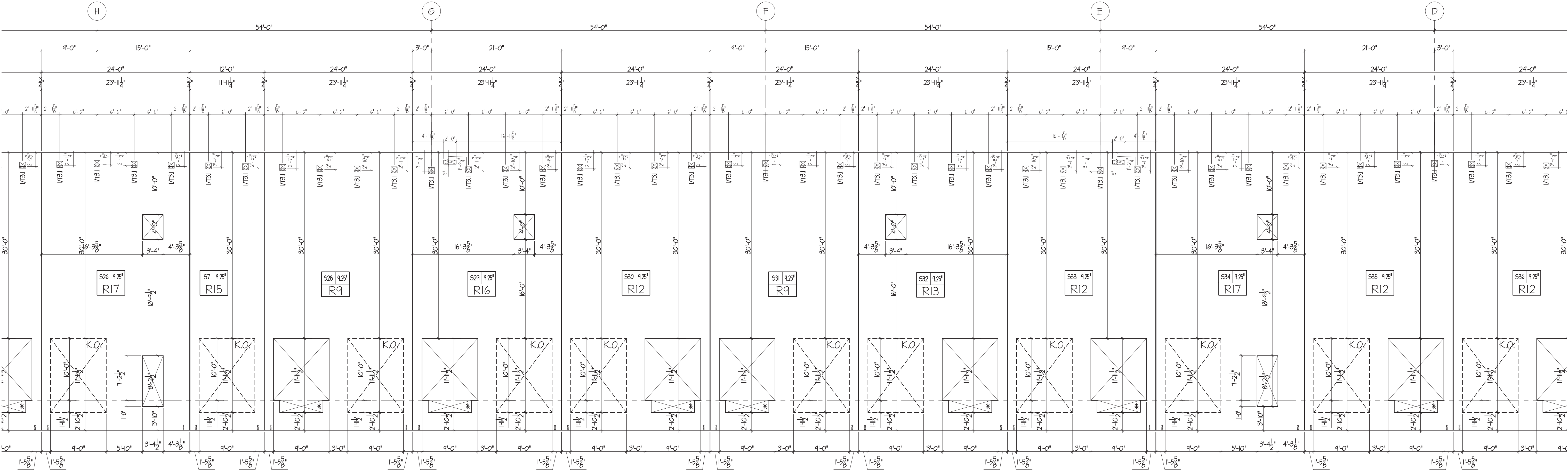
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SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



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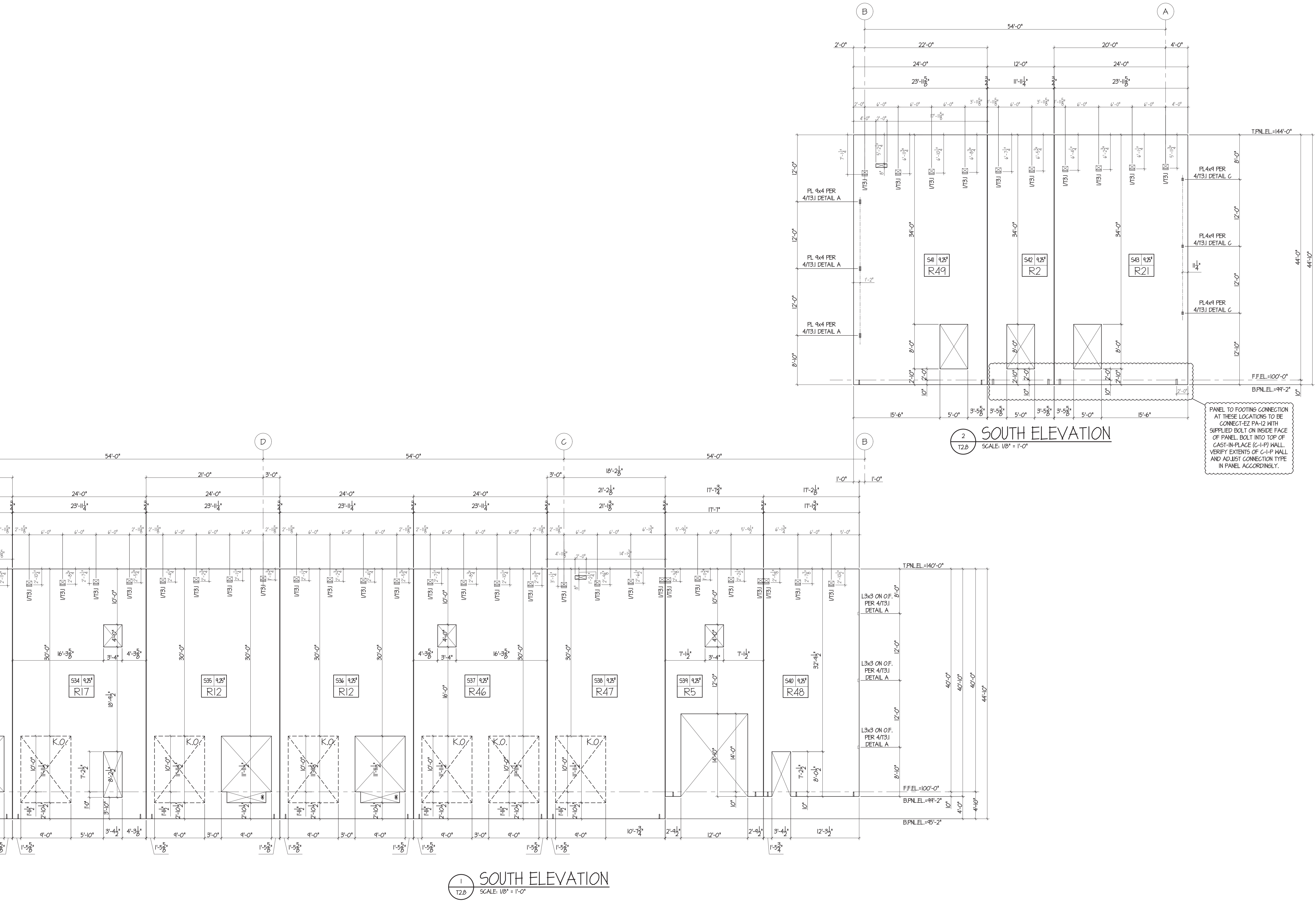
FENIX
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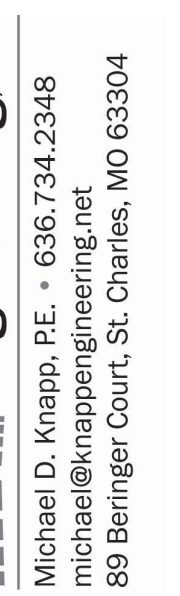
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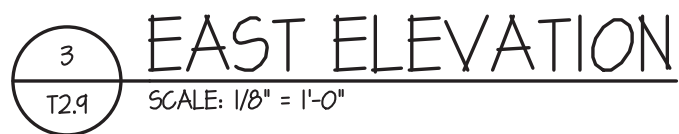
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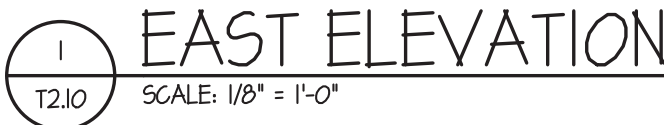




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T2.9





Lee's Summit Logistics
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FOR REVIEW AND APPROVAL	2022-05-1

T2.10



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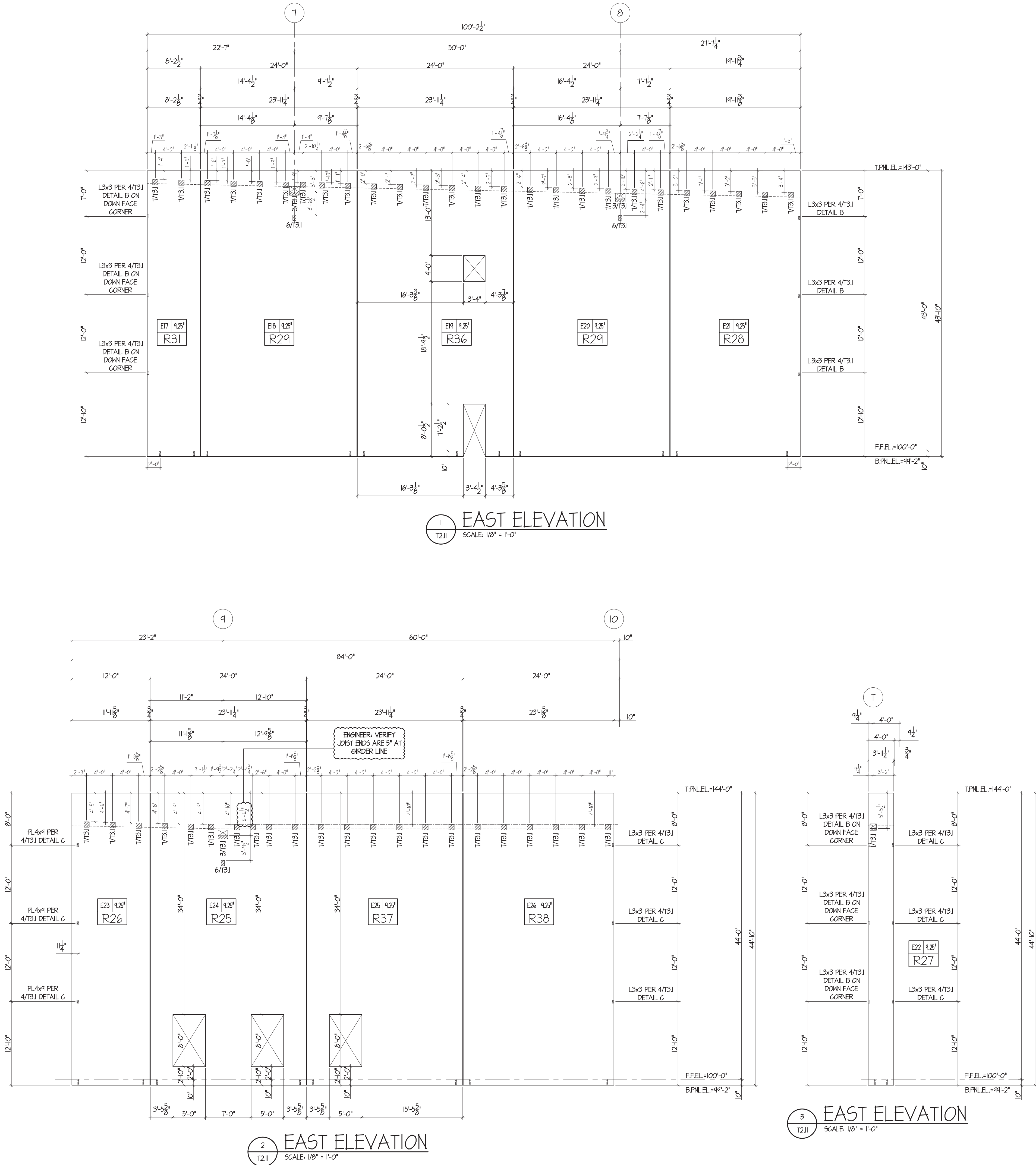
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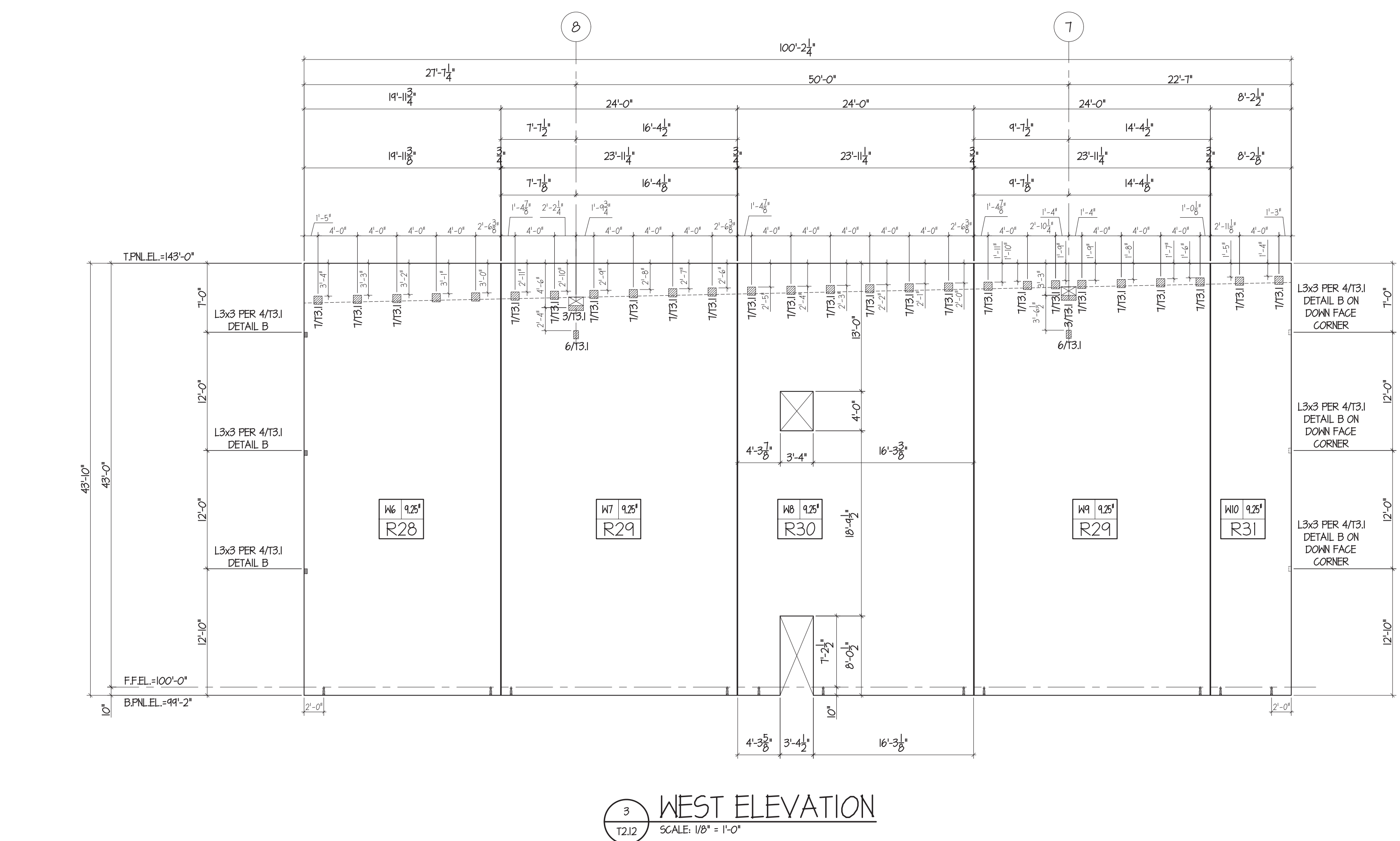
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T2.11

FENIX
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Lee's Summit Logistics
Building A Lot 1
NW Corner of NE Tudor Rd. & Main St.
Lee's Summit, MO 64086

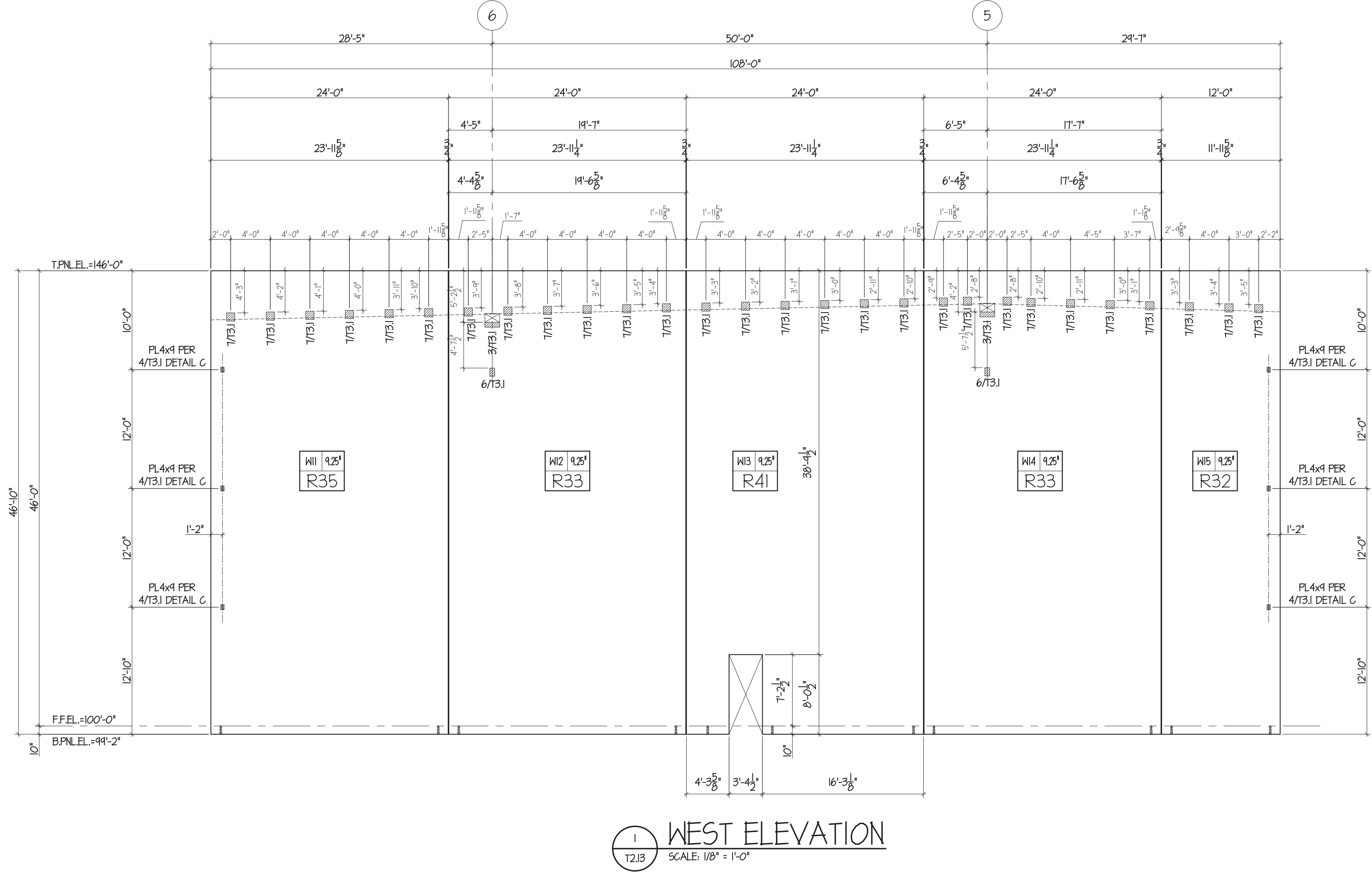
ISSUE TYPE	ISSUE DATE
FOR REVIEW AND APPROVAL	2022-05-16
SHEET NO:	
T2.12	



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FOR REVIEW AND APPROVAL 2022-05-16

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ISSUE TYPE	ISSUE DATE
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SHEET NO:
T2.13



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ISSUE TYPE
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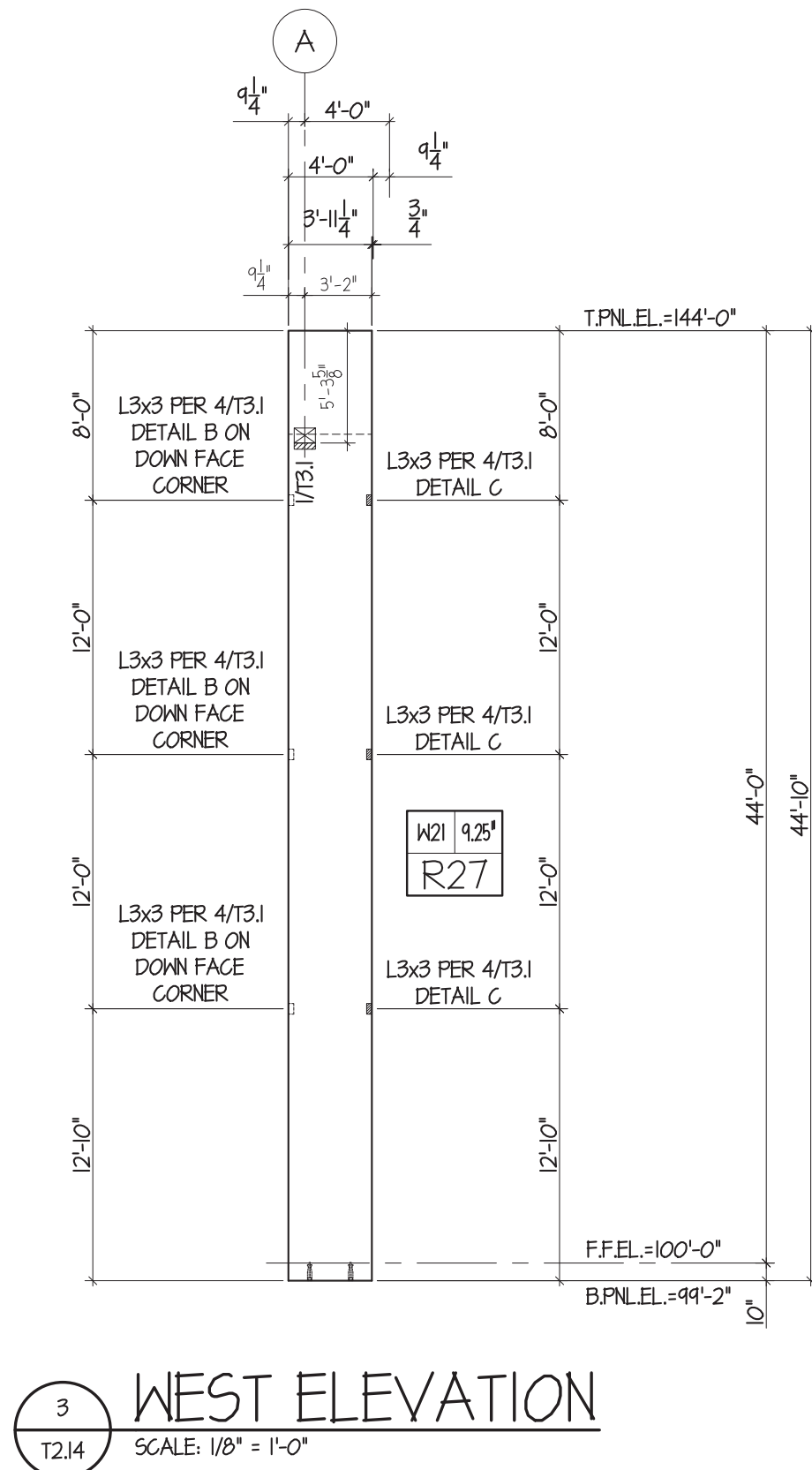
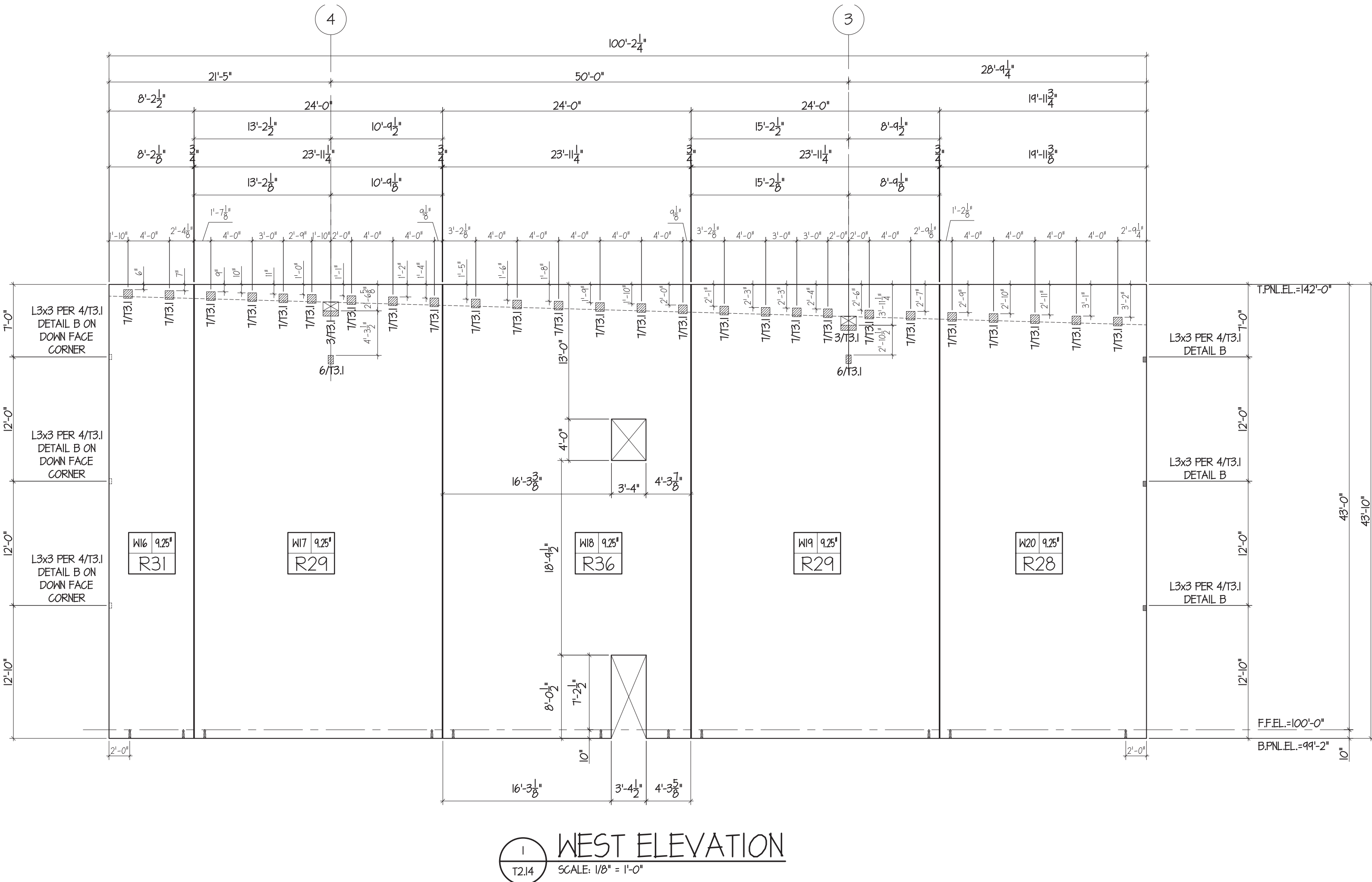
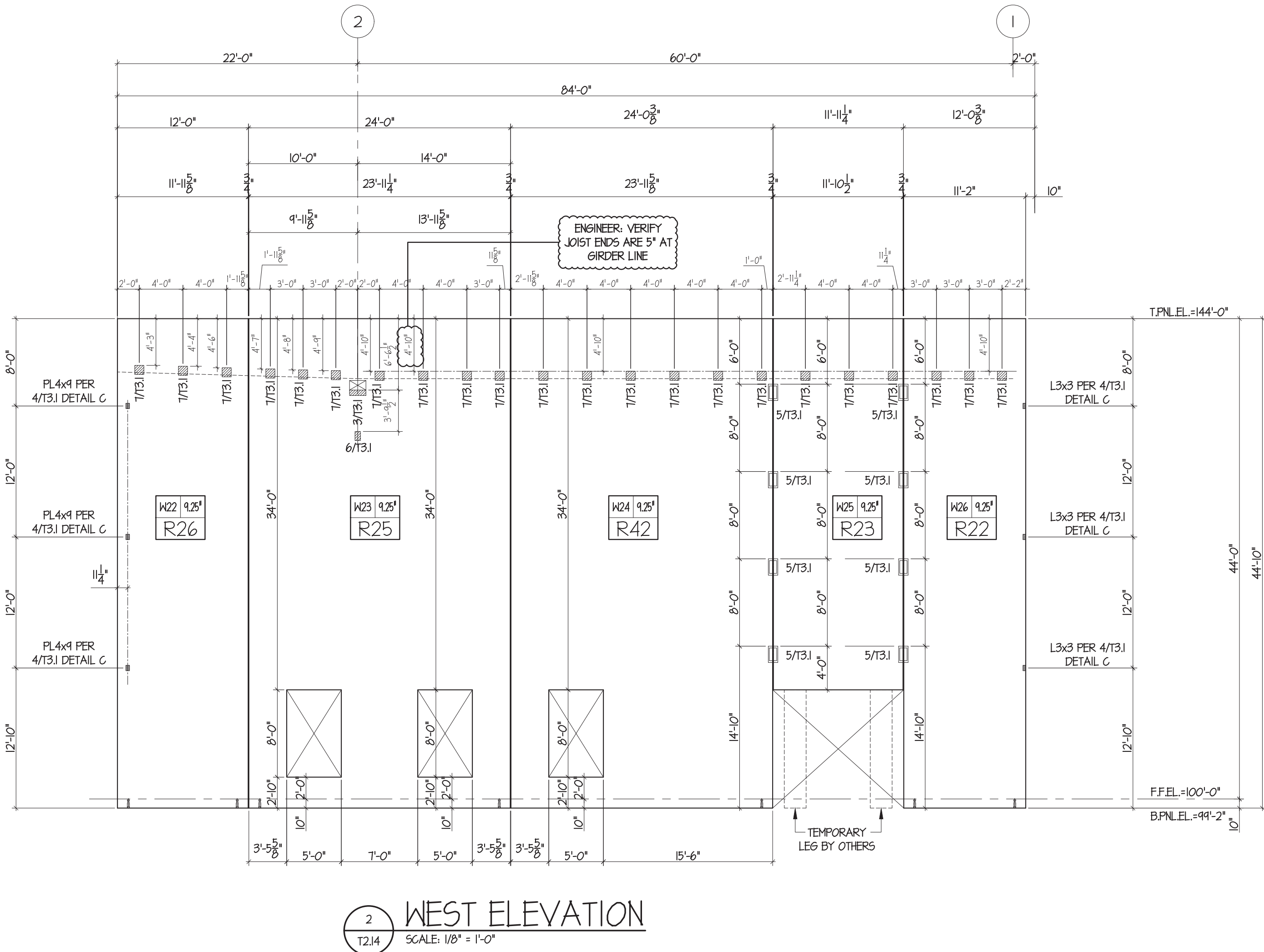
ISSUE DATE
2022-05-16

SHEET NO:
T2.14



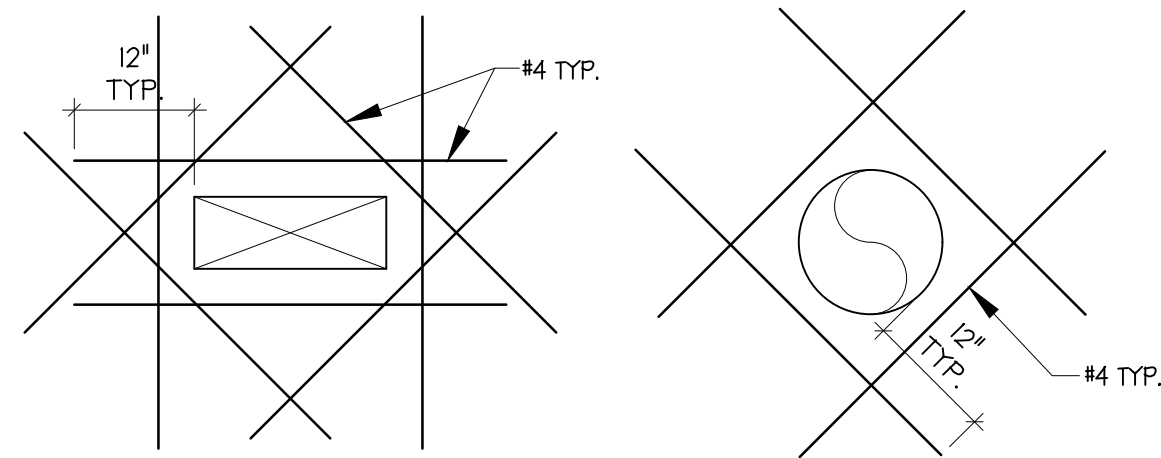
Knapp Engineering LLC
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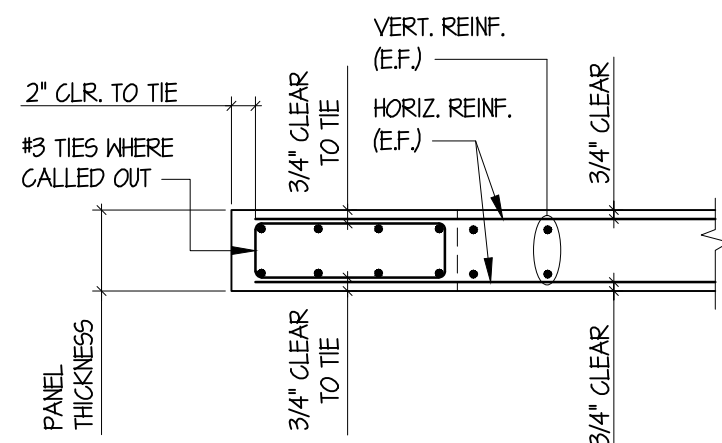


- 1) ALL TILT-UP PANELS ARE SHOWN FROM THE INSIDE WITH THE OUTSIDE FACE DOWN.
- 2) WALL PANELS SHALL NOT BE LIFTED UNTIL THE CONCRETE HAS ATTAINED A COMPRESSIVE STRENGTH OF 3000PSI AND A MINIMUM FLEXURAL STRENGTH OF 5000PSI AS DETERMINED BY STANDARD BEAMS FIELD (CURED AND BROKEN IN ACCORDANCE WITH ASTM C78-64 (OR AS OTHERWISE SPECIFIED BY THE LIFTING AND BRACING ENGINEER). CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 4500PSI (OR AS NOTED OTHERWISE ON DRAWINGS).
- 3) FOR REINFORCING STEEL PLACEMENT REFER TO THE T4 SHEETS.
- 4) FOR PANEL LIFTING AND BRACING, REFER TO DRAWINGS BY OTHERS.
- 5) CHLORIDE BASED ADMIXTURES ARE PROHIBITED IN CONCRETE USED FOR WALL PANELS.
- 6) TEMPORARY BRACING (BY OTHERS) SHALL BE PROVIDED FOR WALL PANELS IN THE ERECT POSITION. INSTALLATION OF WALL BRACES SHALL MEET ALL REQUIREMENTS OF THE BRACE SUPPLIER.
- 7) TEMPORARY BRACING (BY OTHERS, I.E. MEADOW-BURKE) SHALL BE DESIGNED PER "TILT-UP CONCRETE ASSOCIATIONS GUIDELINE FOR TEMPORARY WIND BRACING OF TILT-UP CONCRETE PANELS DURING CONSTRUCTION" (LATEST VERSION).
- 8) MAXIMUM DEPTH OF HORIZONTAL AND VERTICAL REVEALS (OR BRICK) IS 3/4". ALL TILT-UP PANELS WILL BE SIZED AND DETAILED BASED ON A 3/4" REVEAL (BRICK) DEPTH. ANY REDESIGN REQUIRED DUE TO DEEPER REVEALS WILL BE TREATED AS ADDITIONAL SERVICES. REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL REVEAL INFORMATION INCLUDING EXACT LOCATIONS. REVEALS (BRICK) MAY BE SHOWN ON THE TILT-UP PANELS IN THEIR APPLICABLE EXACT LOCATIONS OR MAY BE SQUIGGLED FROM THE TILT-UP DRAWINGS FOR CLARITY. TILT-UP DRAWINGS WILL NOT BE REVISED TO SHOW RELOCATED OR ADDITIONAL REVEALS (BRICK).
- 9) TEMPORARY BRACING SHALL NOT BE REMOVED UNTIL BUILDING LATERAL FRAMING SYSTEM IS COMPLETE (I.E. METAL ROOF DECK, BRACES, MOMENT FRAMES, FLOOR SLAB, ETC.) OR AS DIRECTED BY THE PROJECT "ENGINEER OF RECORD".

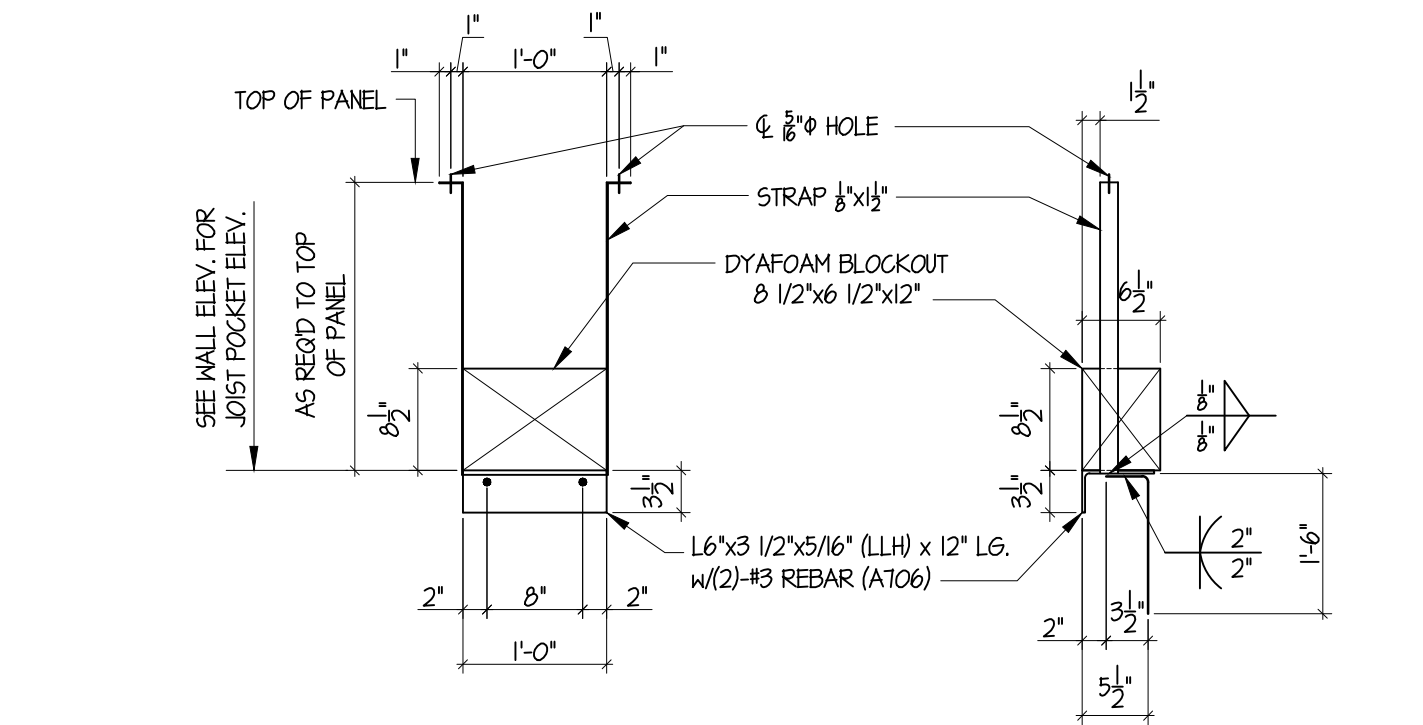
- 1) ALL REBAR TO BE ASTM A615 GRADE 60 UNO.
- 2) MAINTAIN 6" CLEAR FOR ALL BARS PARALLEL TO FUTURE OPENINGS UNLESS SHOWN OTHERWISE. ADDITIONAL REINFORCING BARS AT FORMED OR FUTURE OPENINGS SHALL BE LOCATED AS SHOWN.
- 3) THE CLEAR DISTANCE BETWEEN PARALLEL BARS IN A LEVEL SHALL NOT BE LESS THAN 2".
- 4) REBAR CLEAR DISTANCE AT EDGES OF PANEL PER THE FOLLOWING: (COMPLIES WITH THE APPLICABLE VERSION OF ACI-308)
a) AT SIDES OF PANELS WITH CALKED PANEL JOINTS = 3/4".
b) AT BOTTOM OF GROUPTED PANEL = 3/4".
c) TOP OF PANELS WITH WEATHER PROOFING (e.g. METAL FLASHING, BITUMEN NAILED, etc.) = 3/4".
d) AT ANY EDGE OF PANELS THAT ARE NOT PROTECTED FROM THE WEATHER:
#6 BARS OR LARGER = 2".
#5 BARS OR SMALLER = 1 1/2".
INSIDE AND OUTSIDE FACE REBAR CLEAR DISTANCES PER THE DETAILS ON THE T3 SHEETS.
- 5) HORIZONTAL & VERTICAL BARS SHALL NOT BE SPLICED EXCEPT AS APPROVED BY THE TILT-UP ENGINEER.
- 6) HORIZONTAL AND VERTICAL REINFORCING BARS SHALL BE SECURELY TIED AT 30% OF THEIR INTERSECTIONS. TIES ARE TO BE DISTRIBUTED UNIFORMLY THROUGHOUT THE REINFORCING MAT. BARS SHALL BE TIED ADEQUATELY TO PREVENT REBAR FROM MOVING DURING CONCRETE PLACEMENT.



DETAIL
SCALE: 3/4" = 1'-0"

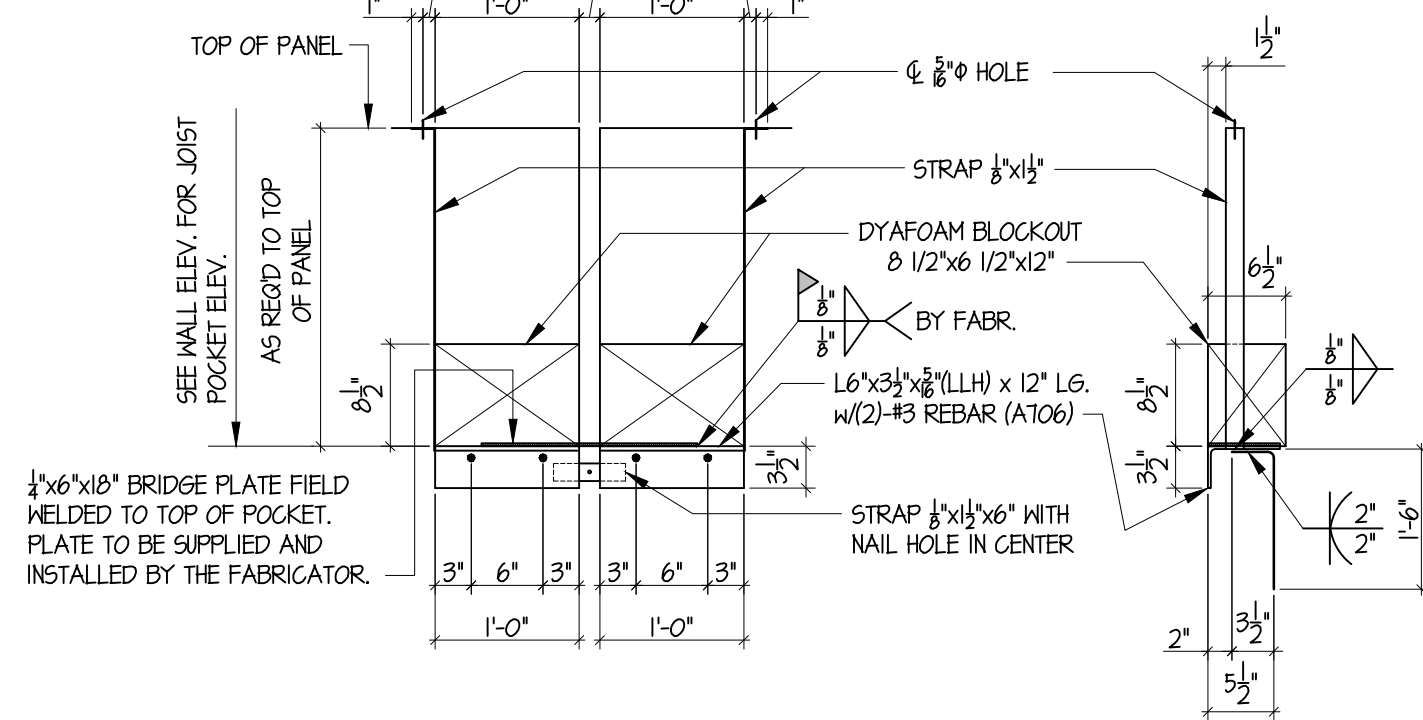


TYPICAL PANEL REINFORCING DETAILS



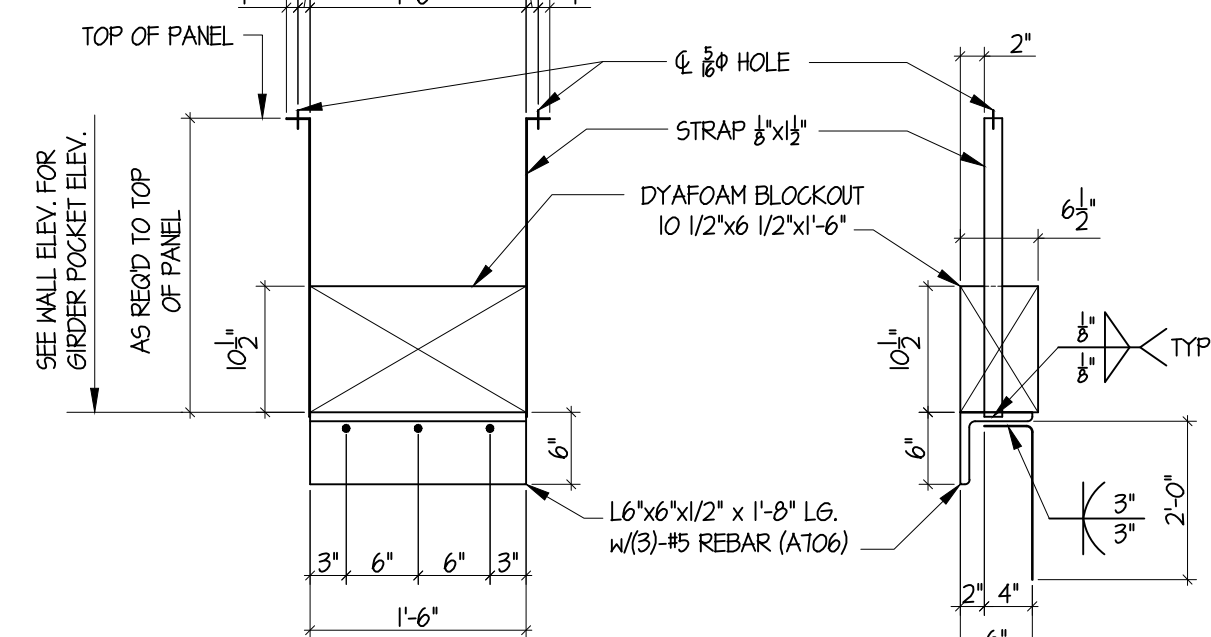
DETAIL

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



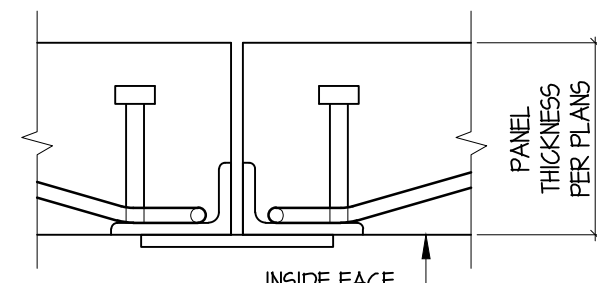
2
T3.1

DETAIL
SCALE: 3/4" = 1'-0"



3
T3.1

DETAIL
SCALE: 3/4" = 1'-0"



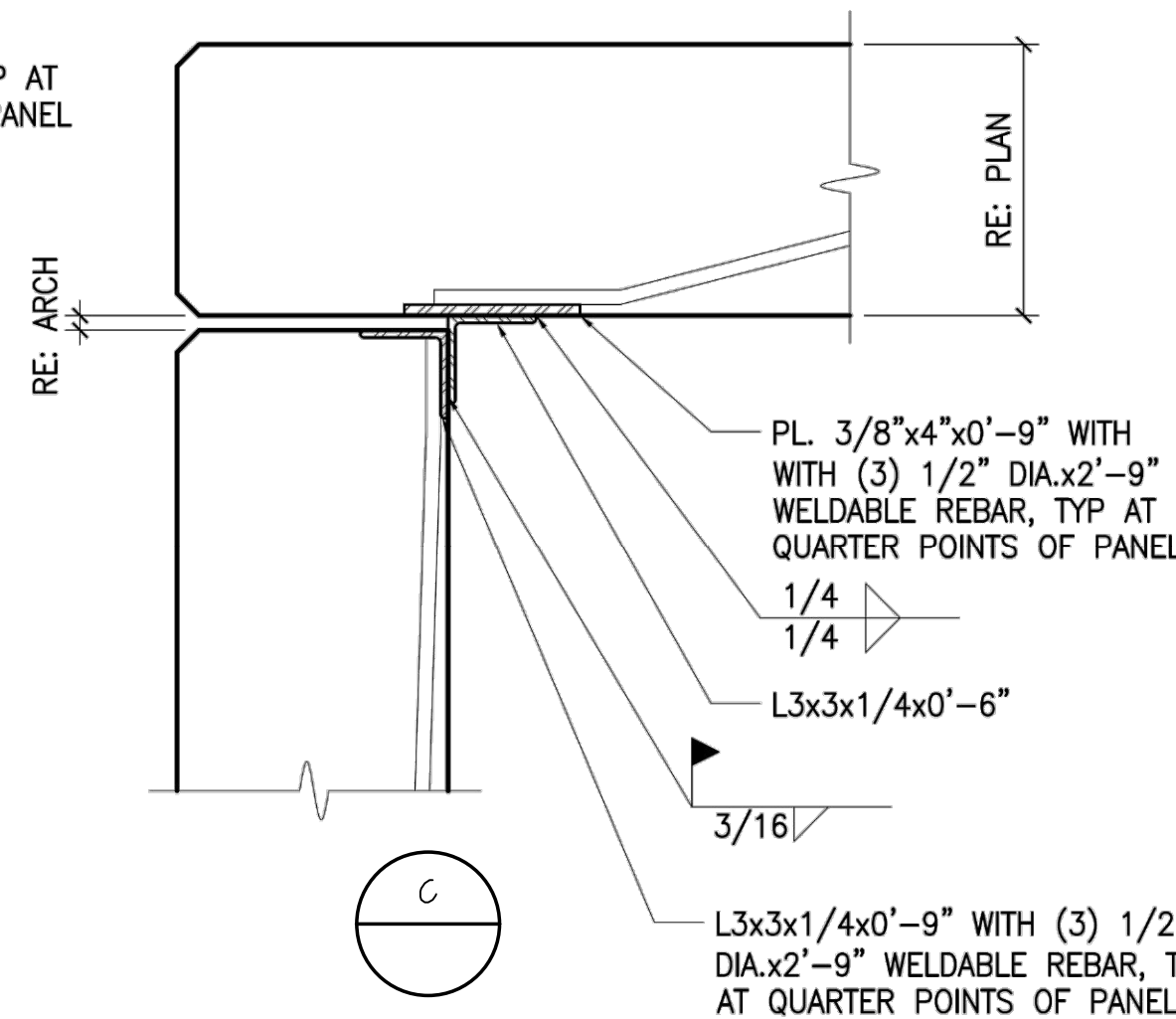
Technical drawing of a wall section showing reinforcement details. The drawing includes dimensions and material specifications:

- PANEL JT.**: Panel Joint
- (2)-#5 $\times$ 3' $\times$ 1'-6" L.G. W/ (4)-#3 ϕ $\times$ 5' L.G HEADED STUDS @ 6'o.c.**: Reinforcement bars and studs
- #8 $\times$ 14 $\times$ 3'**: Reinforcement bar
- #5 AT 06 "W BAR (2) PLACES**: Reinforcement bar
- Dimensions**: 1'-6", 4", 3", 2", 6", 1'-2", 3", 3'-0", 3'-0", 1'-2", 3'-0"

5
T3.1

DETAIL

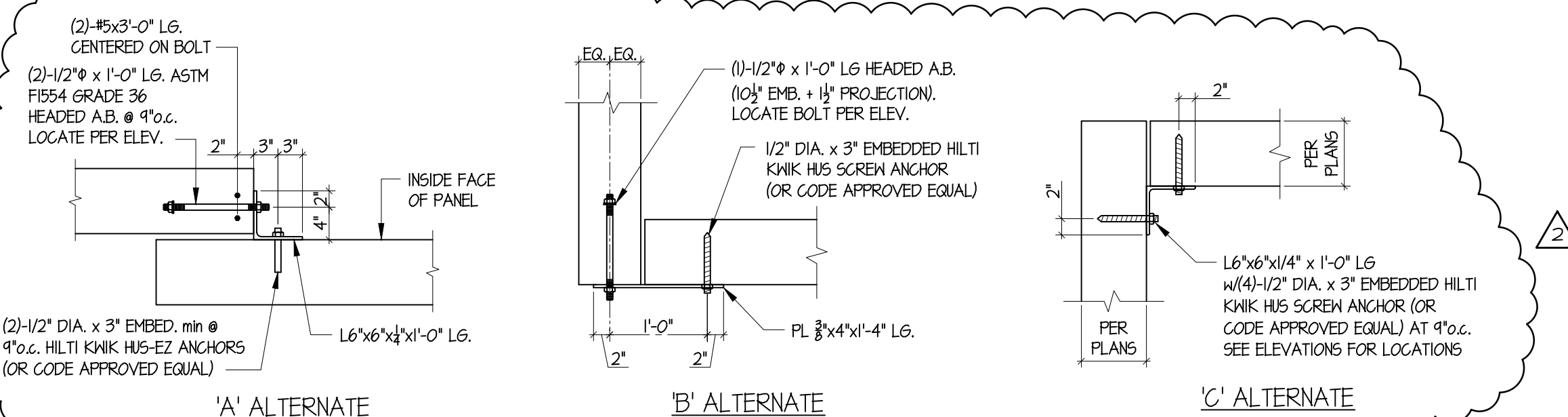
SCALE: 1 1/2" = 1'-0"



4
T3.1

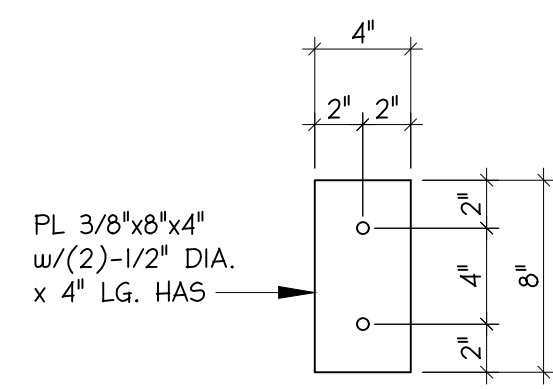
DETAIL

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



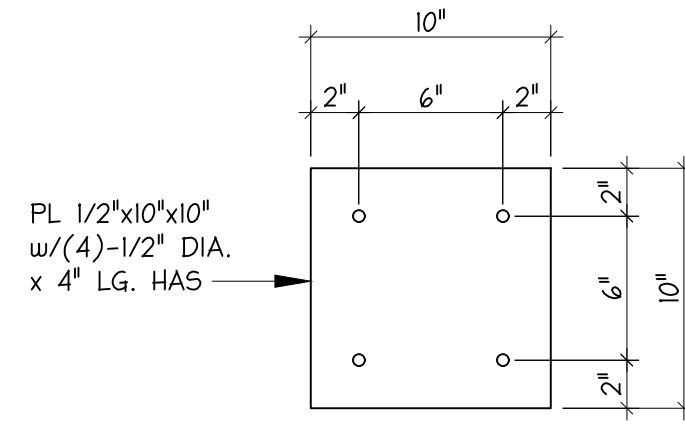
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T3.1

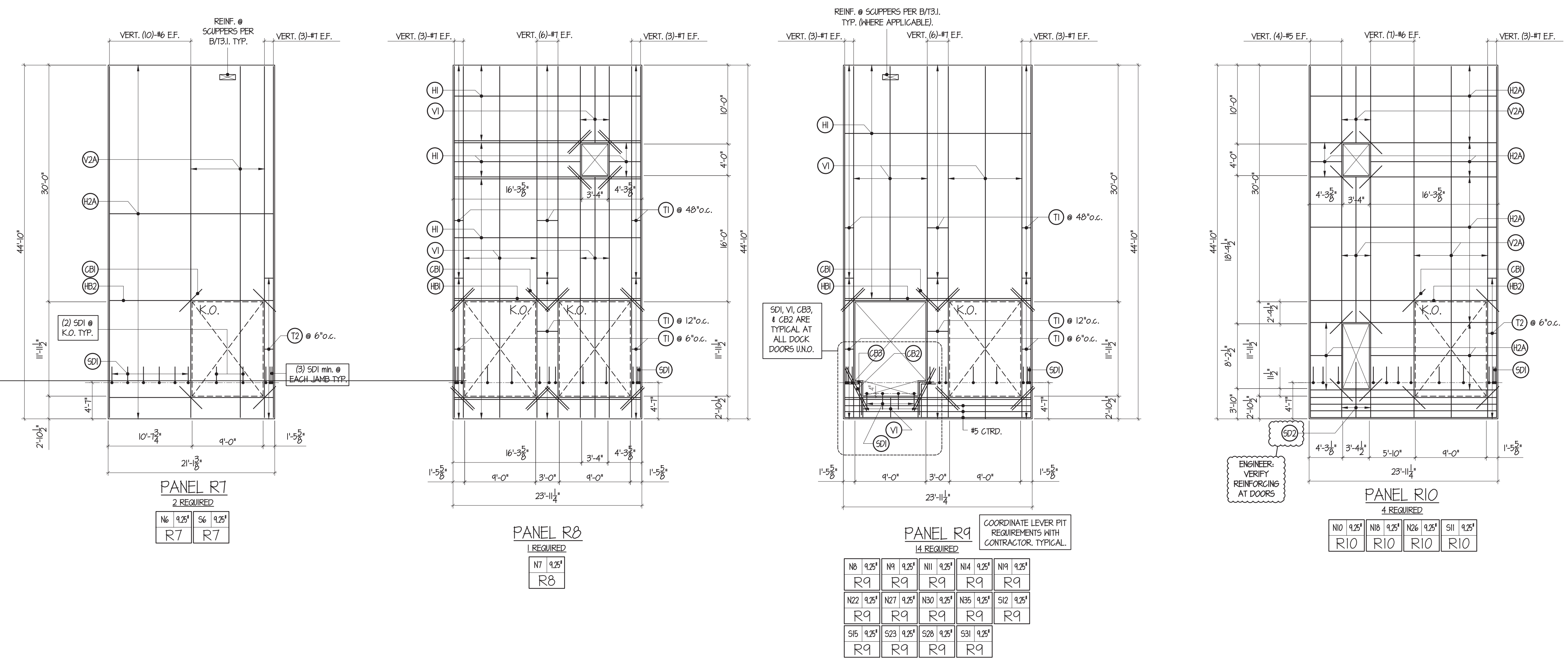
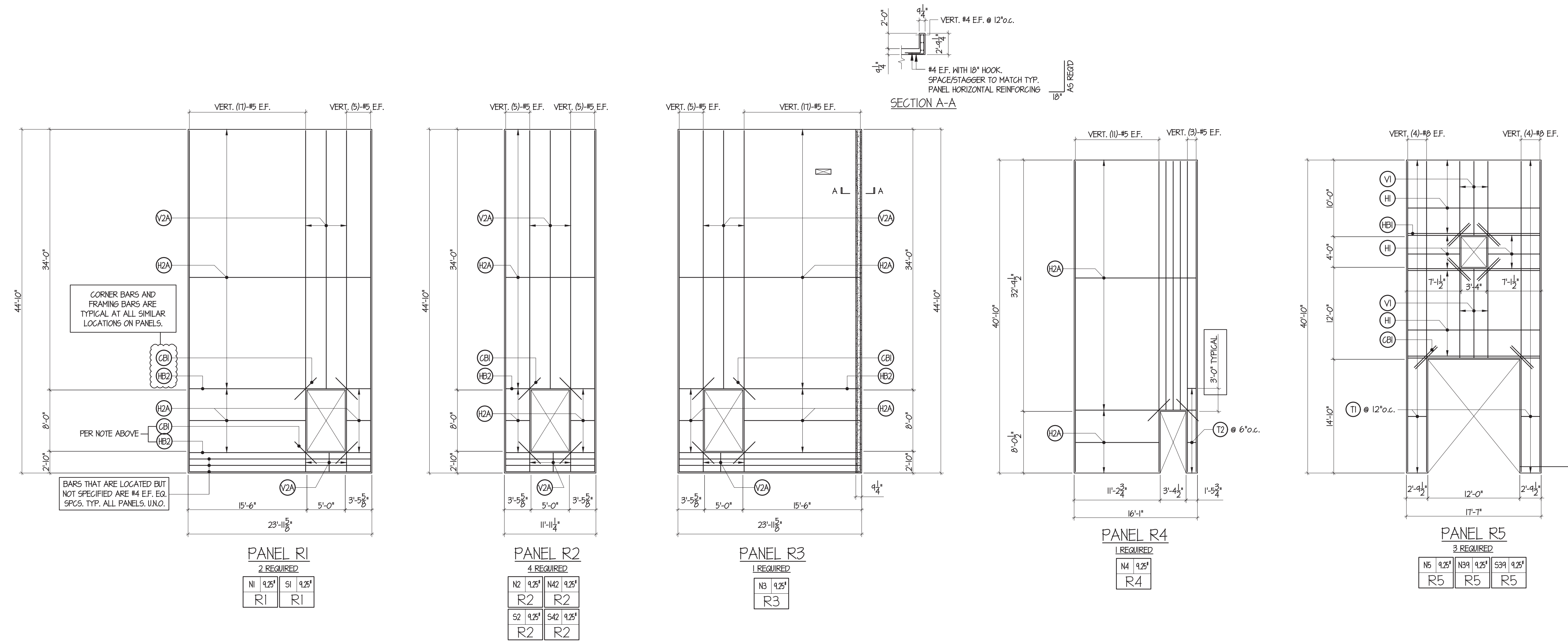
DETAIL
SCALE: 1 1/2" = 1'-0"



7
T3.1

DETAIL
SCALE: 1 1/2" = 1'-0"





REINFORCING SCHEDULE			
(V1)	VERT. #4 @ 16" o.c. CT RD.	(H1)	HORZ. #5 @ 16" o.c. CT RD.
(V2)	VERT. #4 @ 18" o.c. EF.	(H2)	HORZ. #4 @ 18" o.c. EF.
(V2A)	VERT. #4 @ 32" o.c. EF. STAGGERED 16" o.c.	(H2A)	HORZ. #5 @ 32" o.c. EF. STAGGERED 16" o.c.
		(SD1)	#4 SLAB DOWELS @ 24" o.c. MAX. (min. 3 PER LEG/JAMB)
		(SD2)	#4 x 1'-0" L.G. SLAB DOWELS @ 12" o.c. (FIELD BEND)
		(CB1)	(2)-#5 x 4'-0" CORNER BARS (1) EF. OR (2) CT RD. @ 3" o.c.
(T1)	#3 ONE PIECE TIE w/90° HOOKS	(CB2)	(2)-#5 x 6'-0" CORNER BARS (1) EF. OR (2) CT RD. @ 3" o.c.
(T2)	#3 TWO PIECE TIE w/90° HOOKS	(CB3)	(2)-#5 CORNER BARS (1) EF. OR (2) CT RD. @ 3" o.c.
(T1) & (T2)	MAY BE USED INTERCHANGEABLY		
(HB2)	HORIZONTAL BAR #5 EF. w/10" HOOKS EA. END (HOOK NOT REQ'D IF JAMB IS 30" OR MORE)		
(HB1)	HORIZONTAL BAR (2)-#5 CT RD. @ 3" o.c. w/10" HOOKS EA. END (HOOK NOT REQ'D IF JAMB IS 30" OR MORE)		

FOR REVIEW AND APPROVAL 2022-05-16

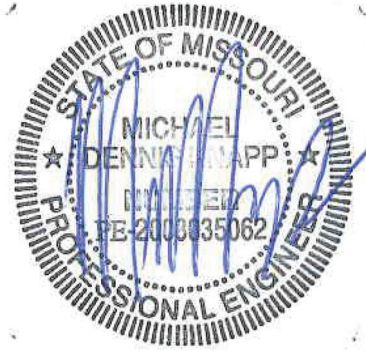
Lee's Summit Logistics
Building A Lot 1
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Lee's Summit, MO 64086

ISSUE TYPE
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ISSUE DATE
2022-05-16

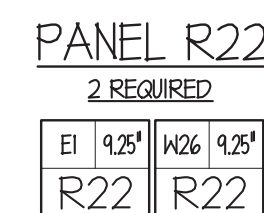
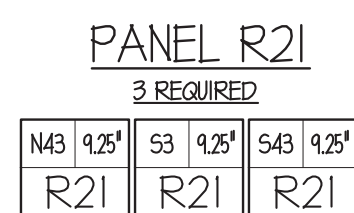
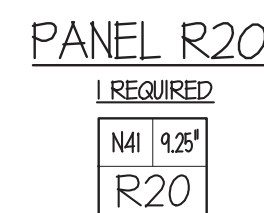
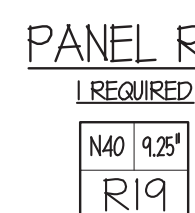
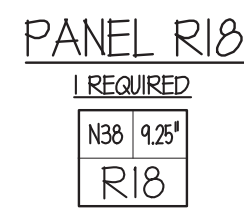
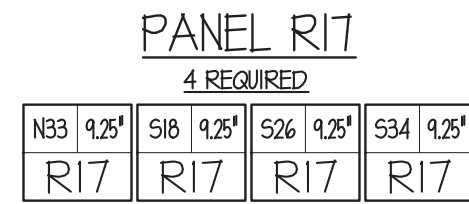
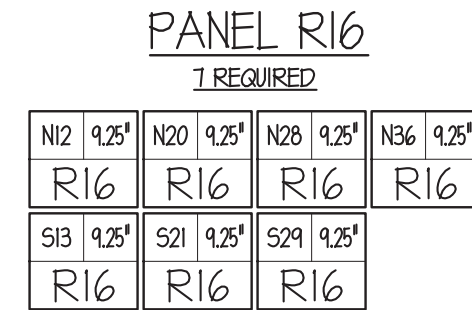
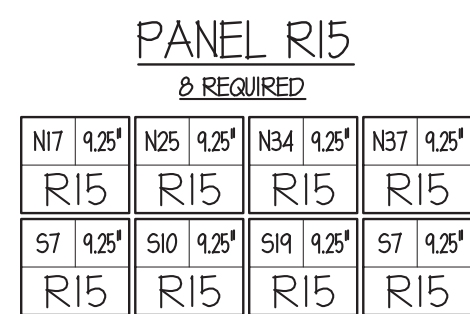
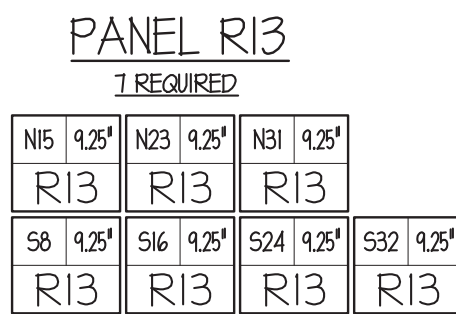
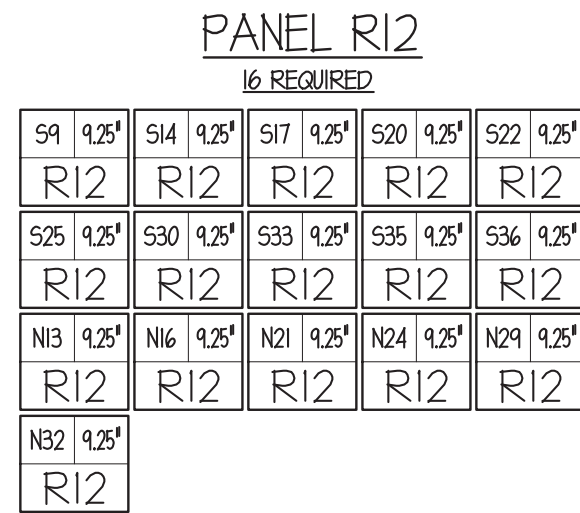
SHEET NO:

T4.1



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ISSUE TYPE	ISSUE DATE
FOR REVIEW AND APPROVAL	2022-05-16

SHEET NO:

T4.2



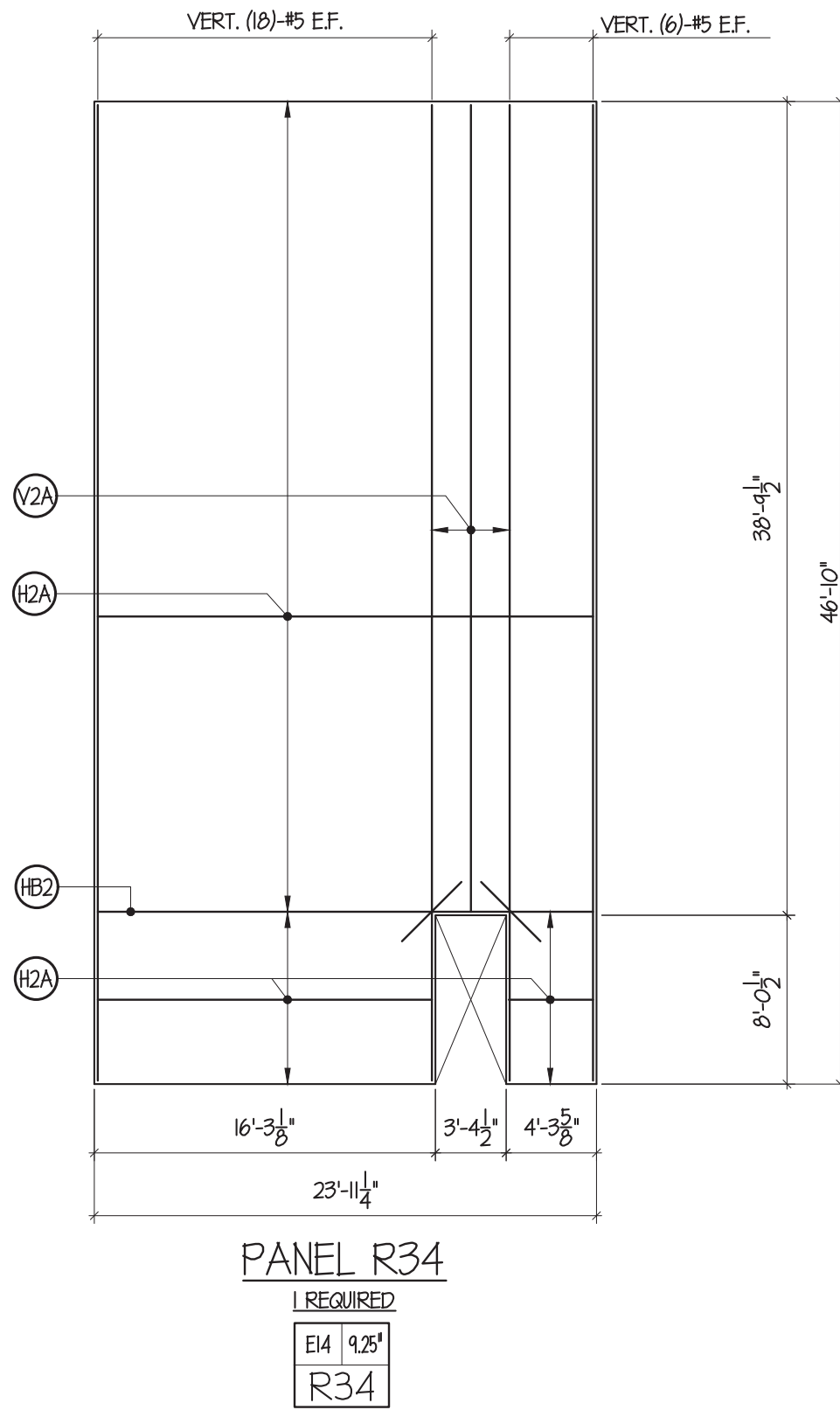
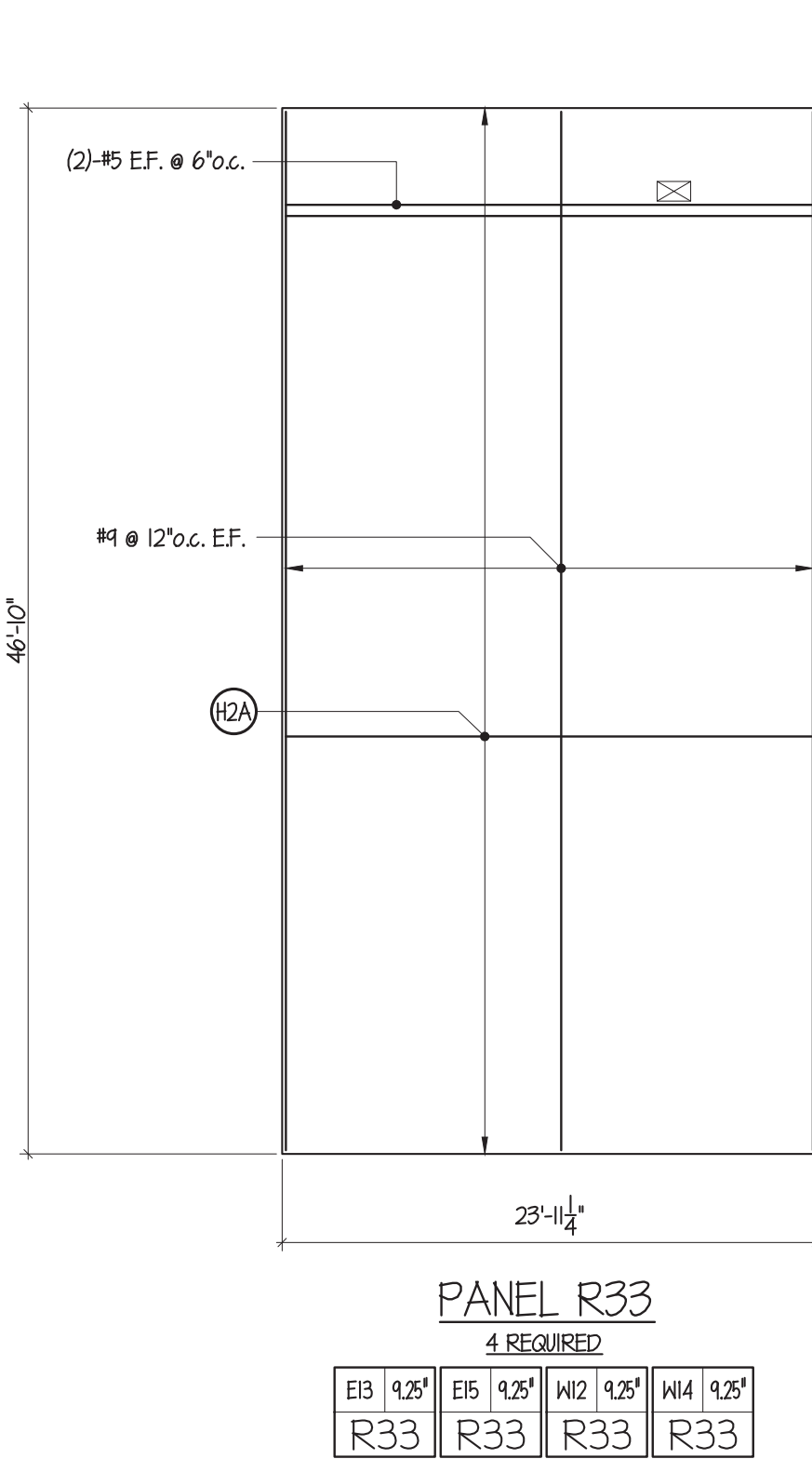
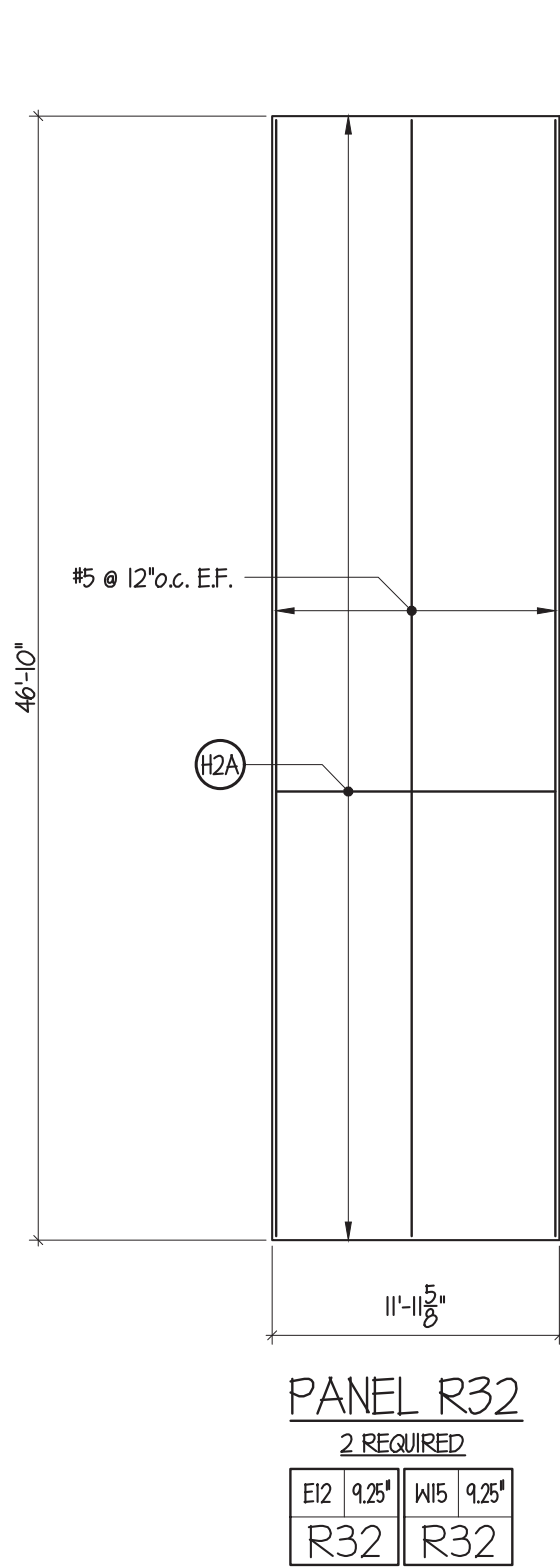
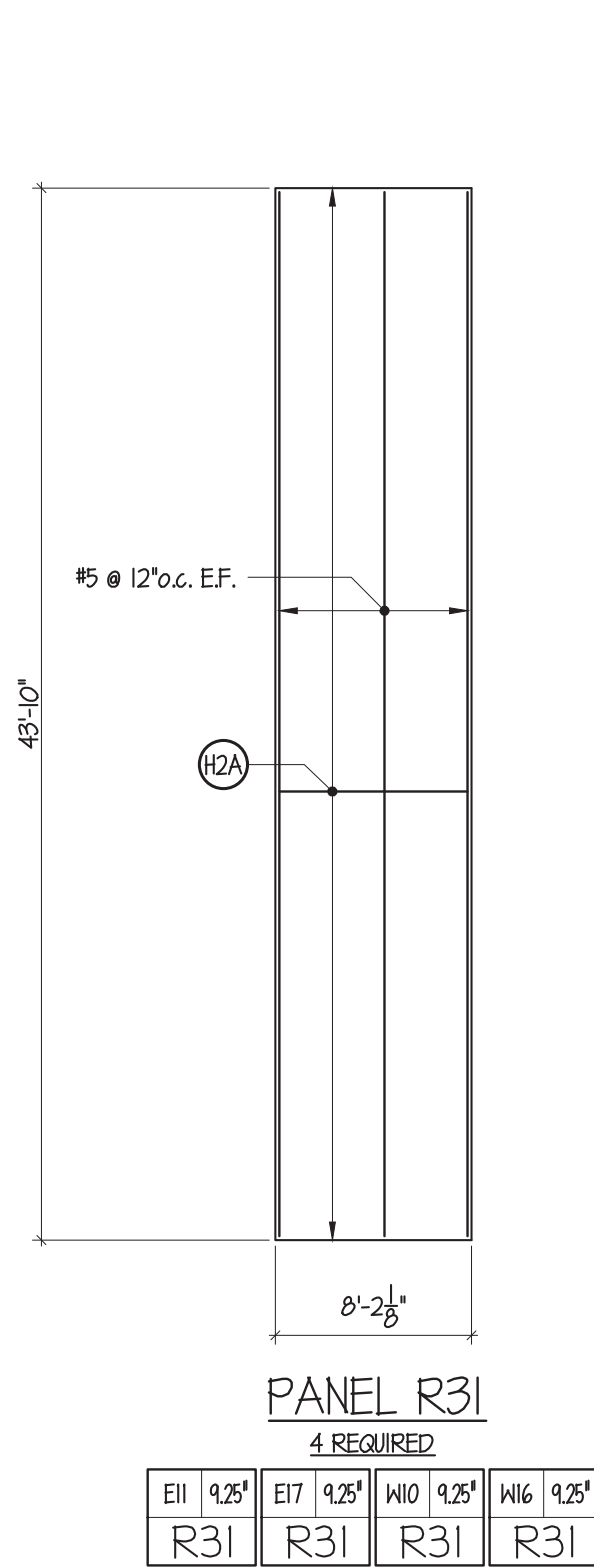
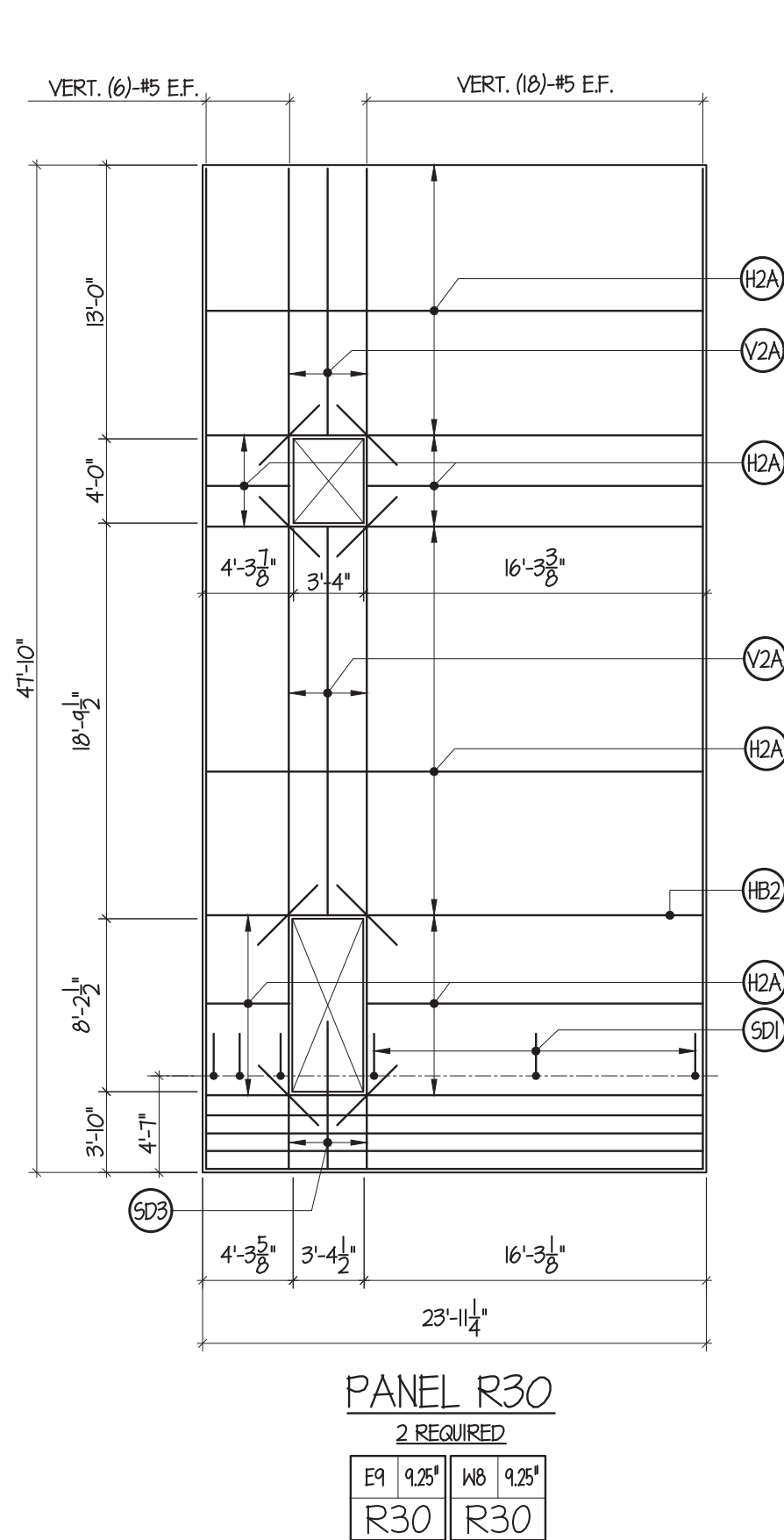
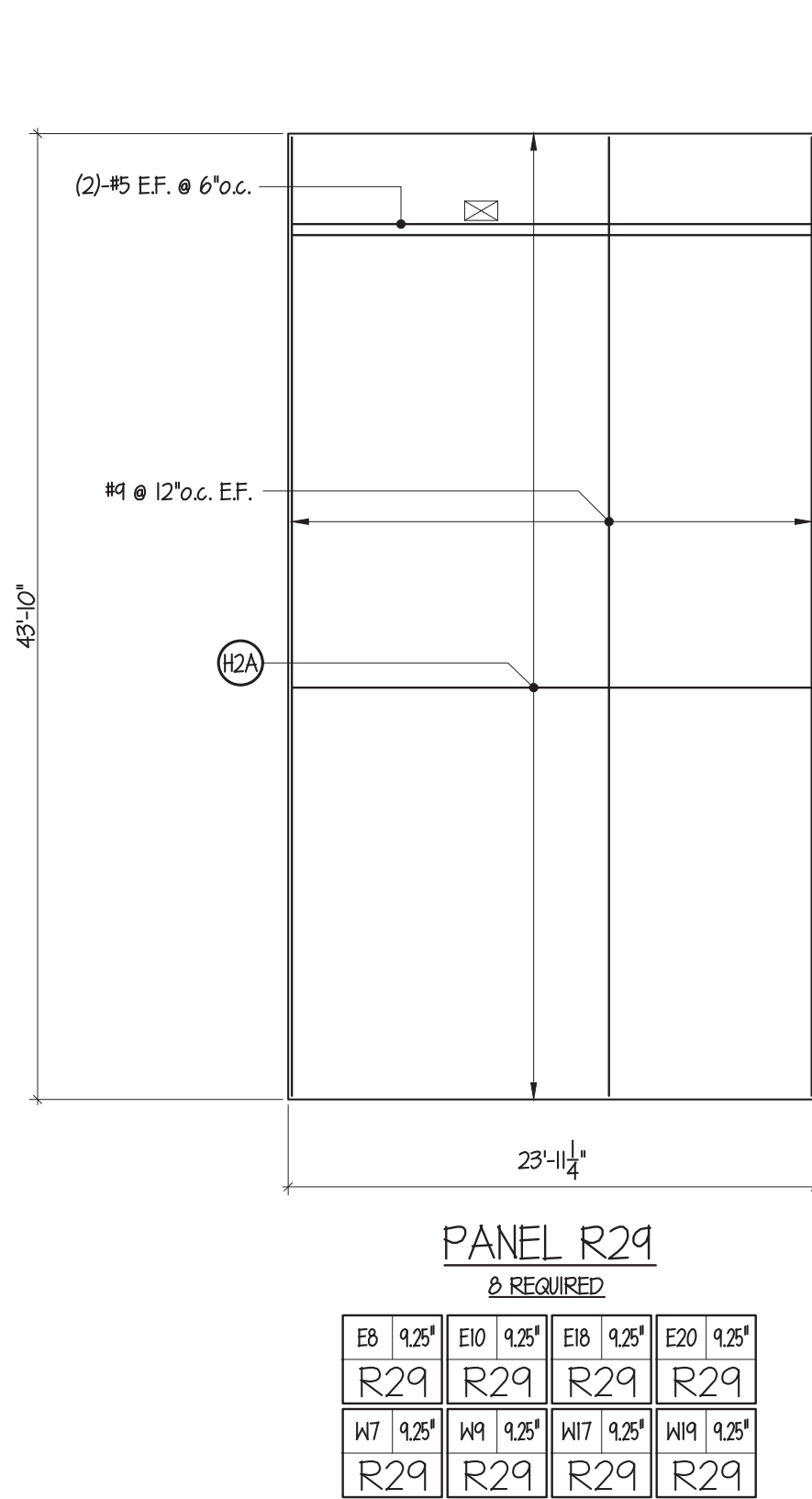
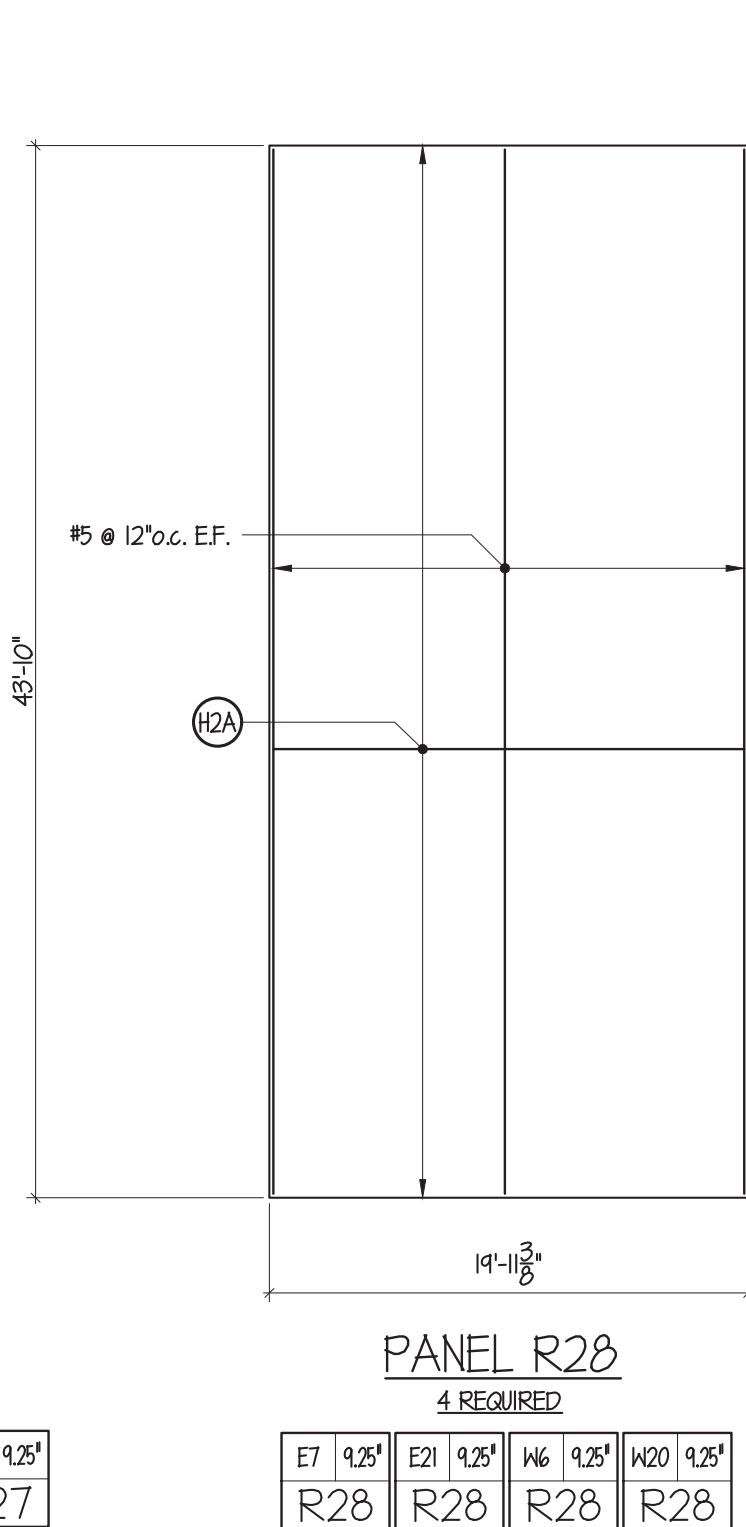
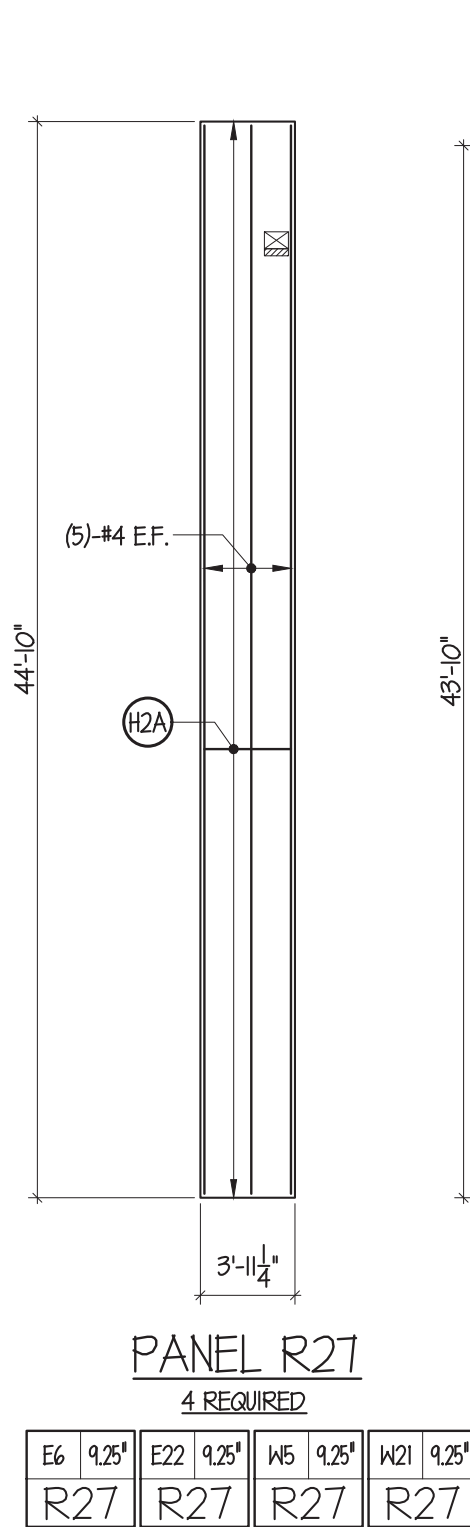
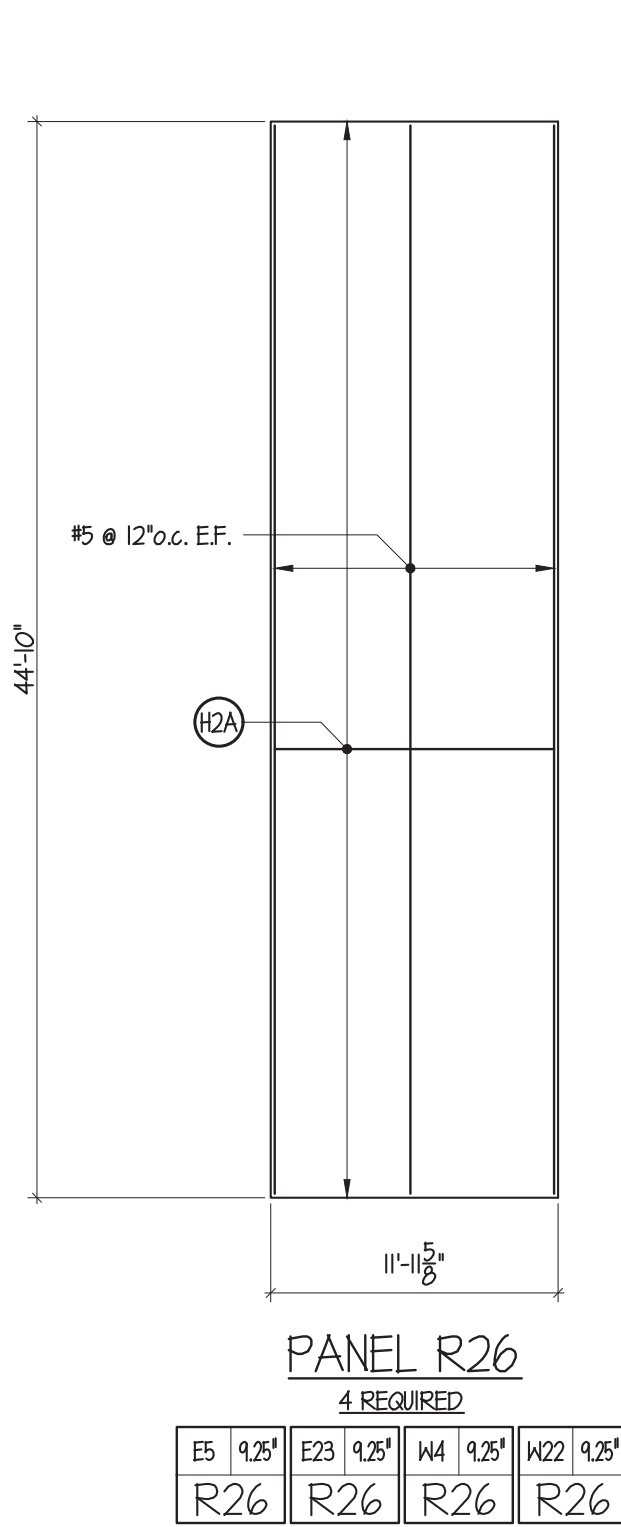
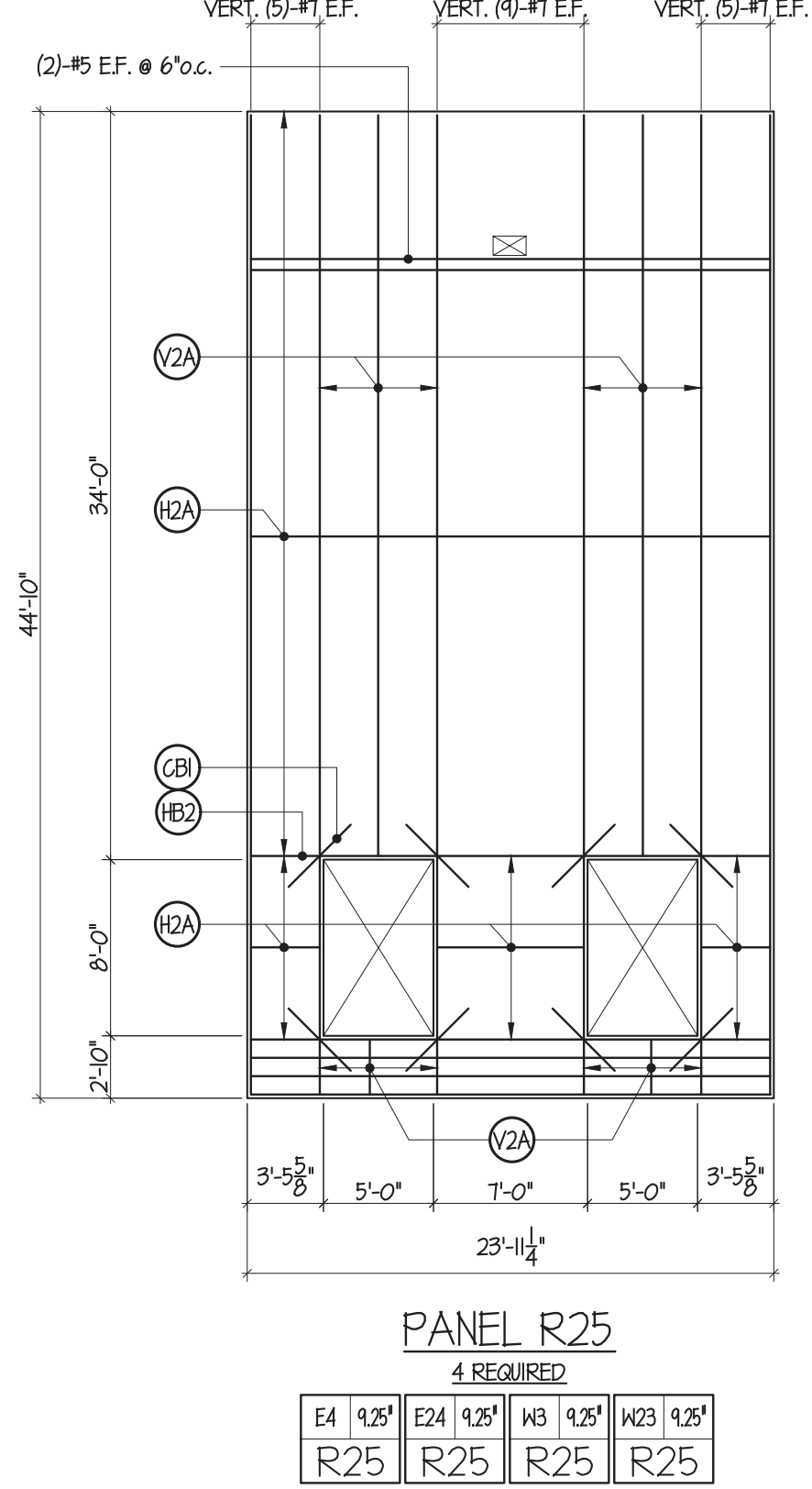
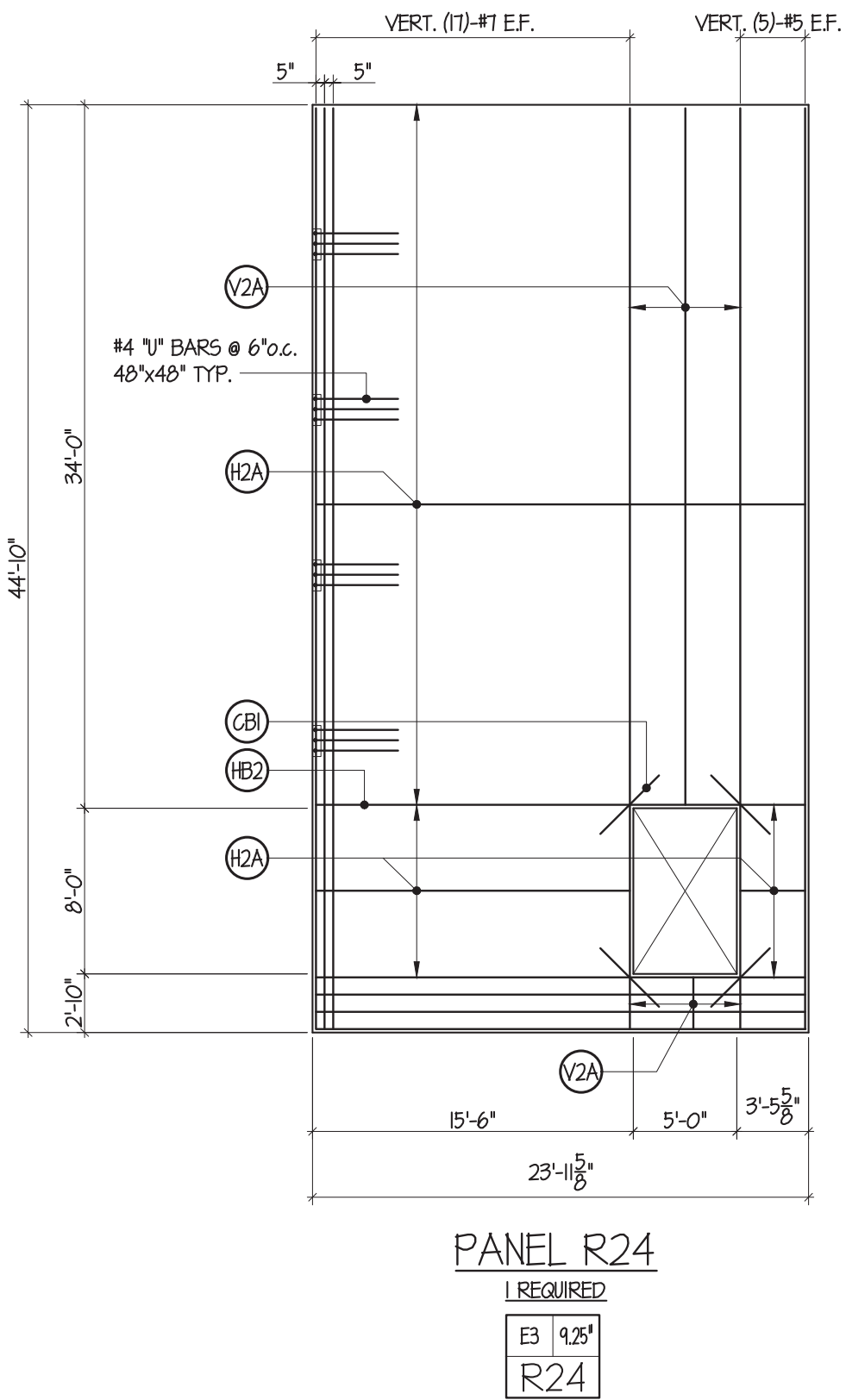
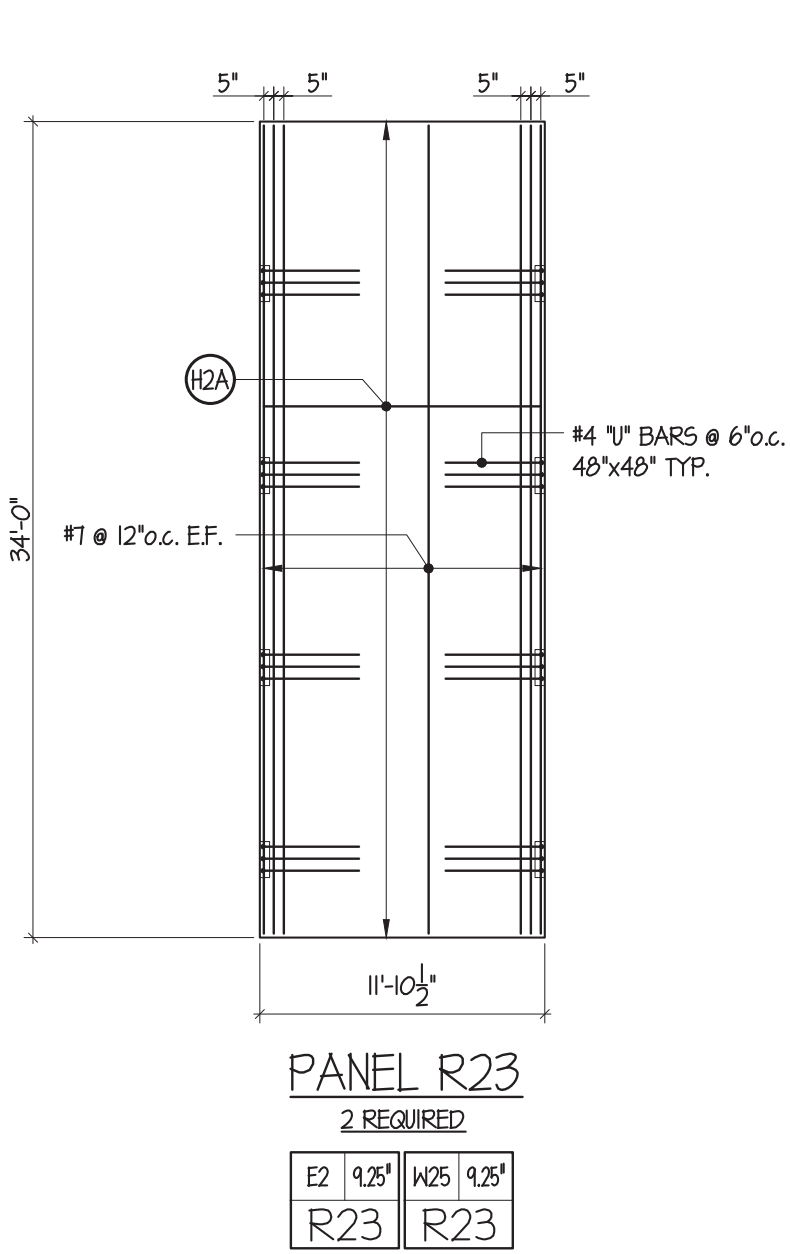
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		(CB1)	(2)-#5 x 4'-0" CORNER BARS (1) E.F. OR (2) CT RD. @ 3" o.c.
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		(CB3)	(2)-#5 CORNER BARS (1) E.F. OR (2) CT RD. @ 3" o.c.
(T1)	#3 ONE PIECE TIE w/90° HOOKS		
(T2)	#3 TWO PIECE TIE w/90° HOOKS		
(T1) & (T2)	MAY BE USED INTERCHANGEABLY		
(HB2)	HORIZONTAL BAR #5 E.F. w/10" HOOKS EA. END (HOOK NOT REQD IF JAMB IS 30" OR MORE)		
(HB1)	HORIZONTAL BAR (2)-#5 CT RD. @ 3" o.c. w/10" HOOKS EA. END (HOOK NOT REQD IF JAMB IS 30" OR MORE)		

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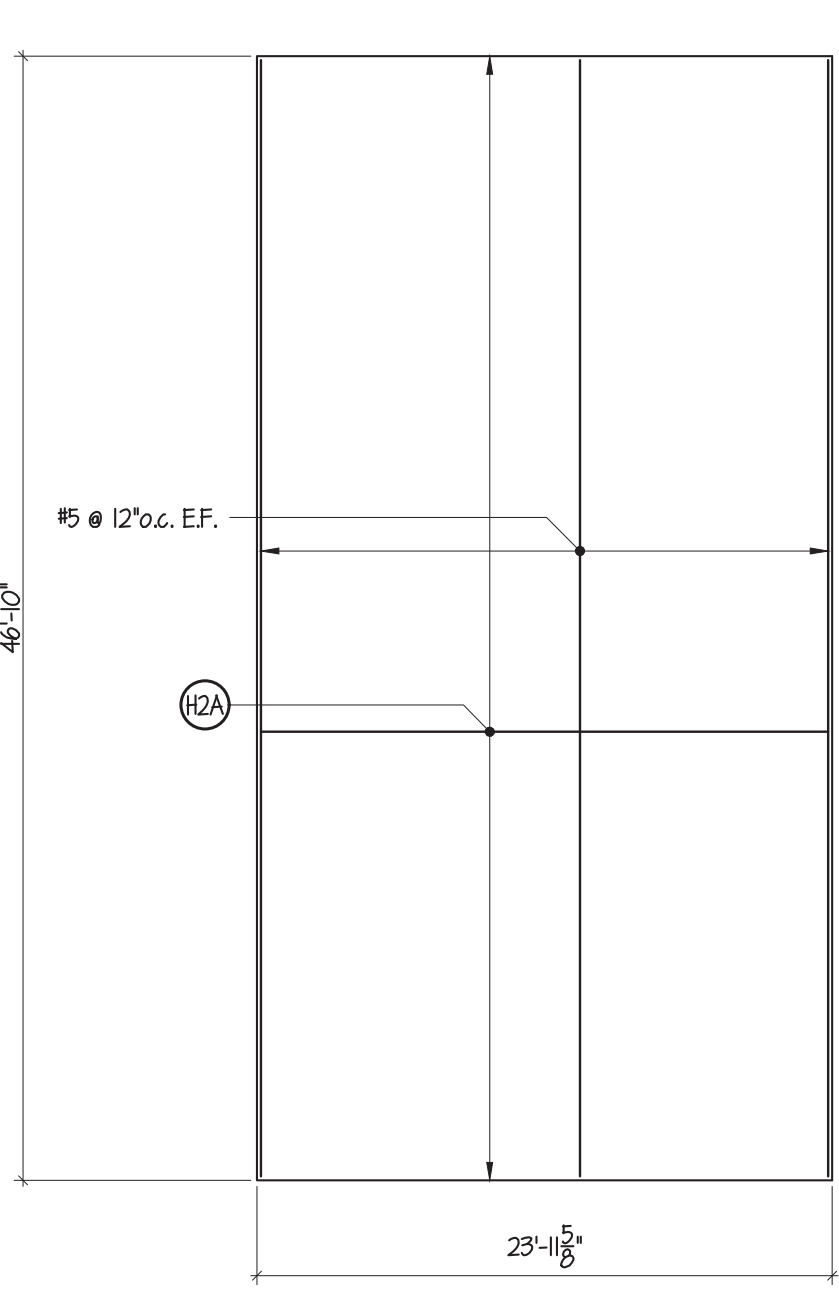
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T4.3

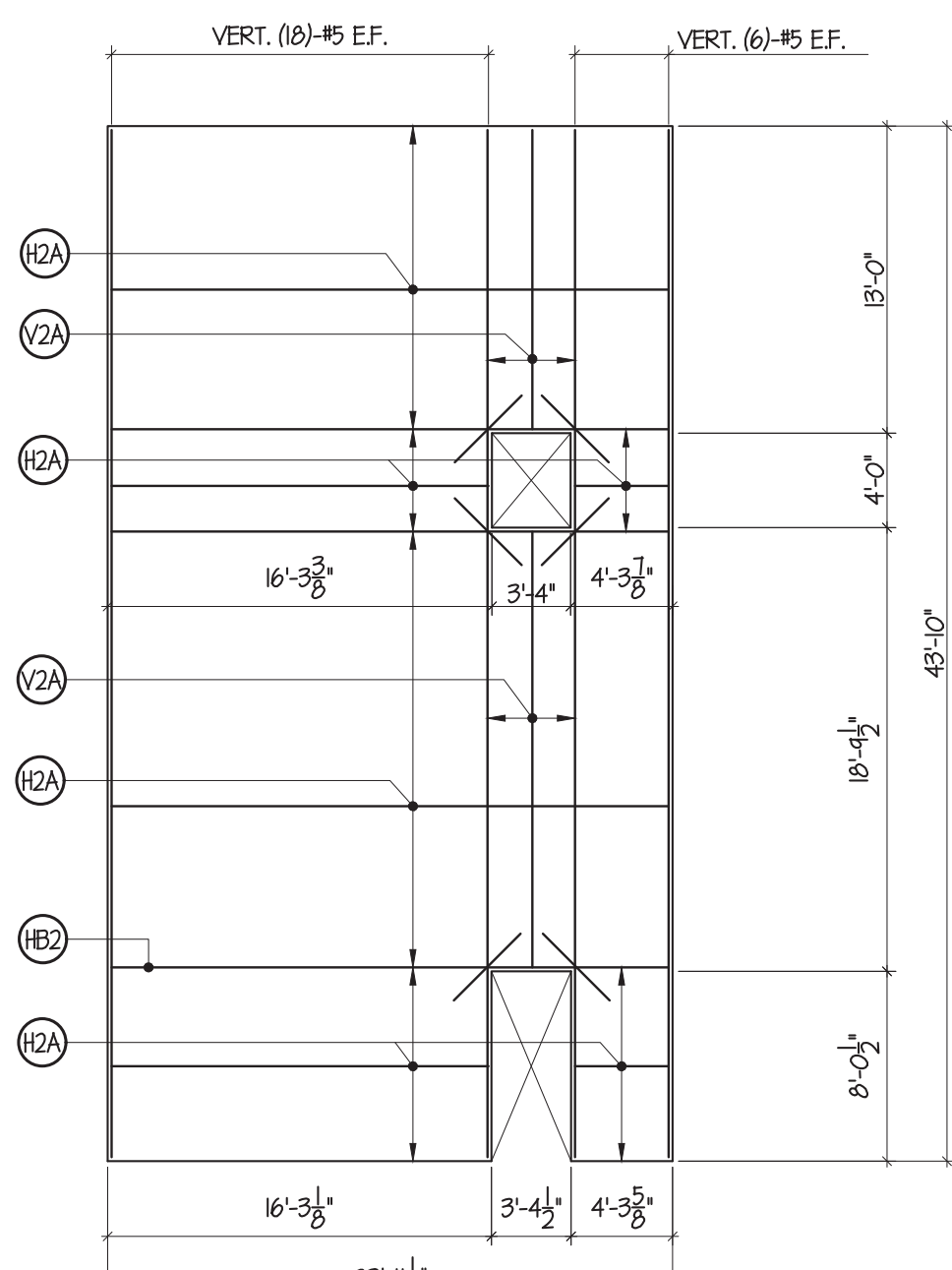


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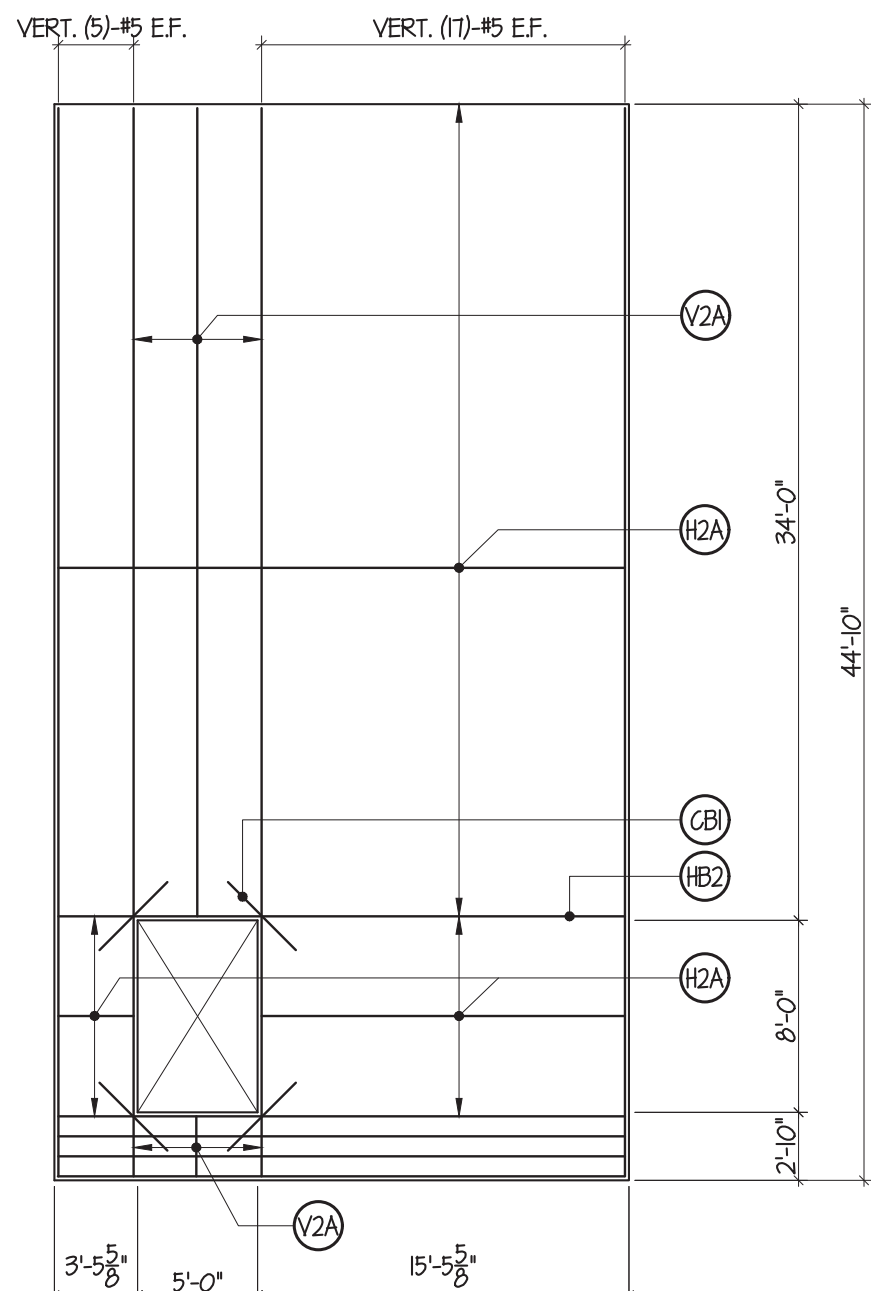
FENIX Construction Company
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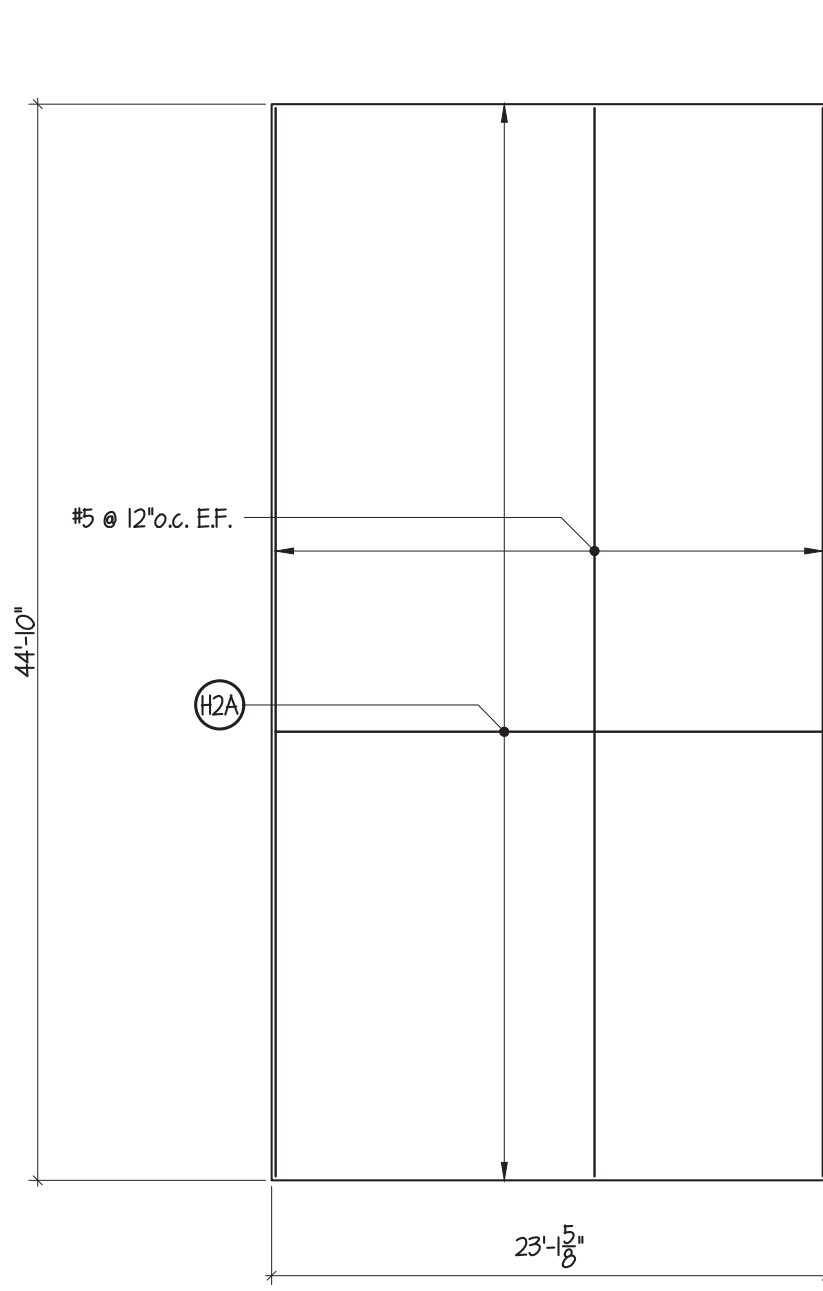
PANEL R35
2 REQUIRED
E16 9.25' W11 9.25'
R35 R35



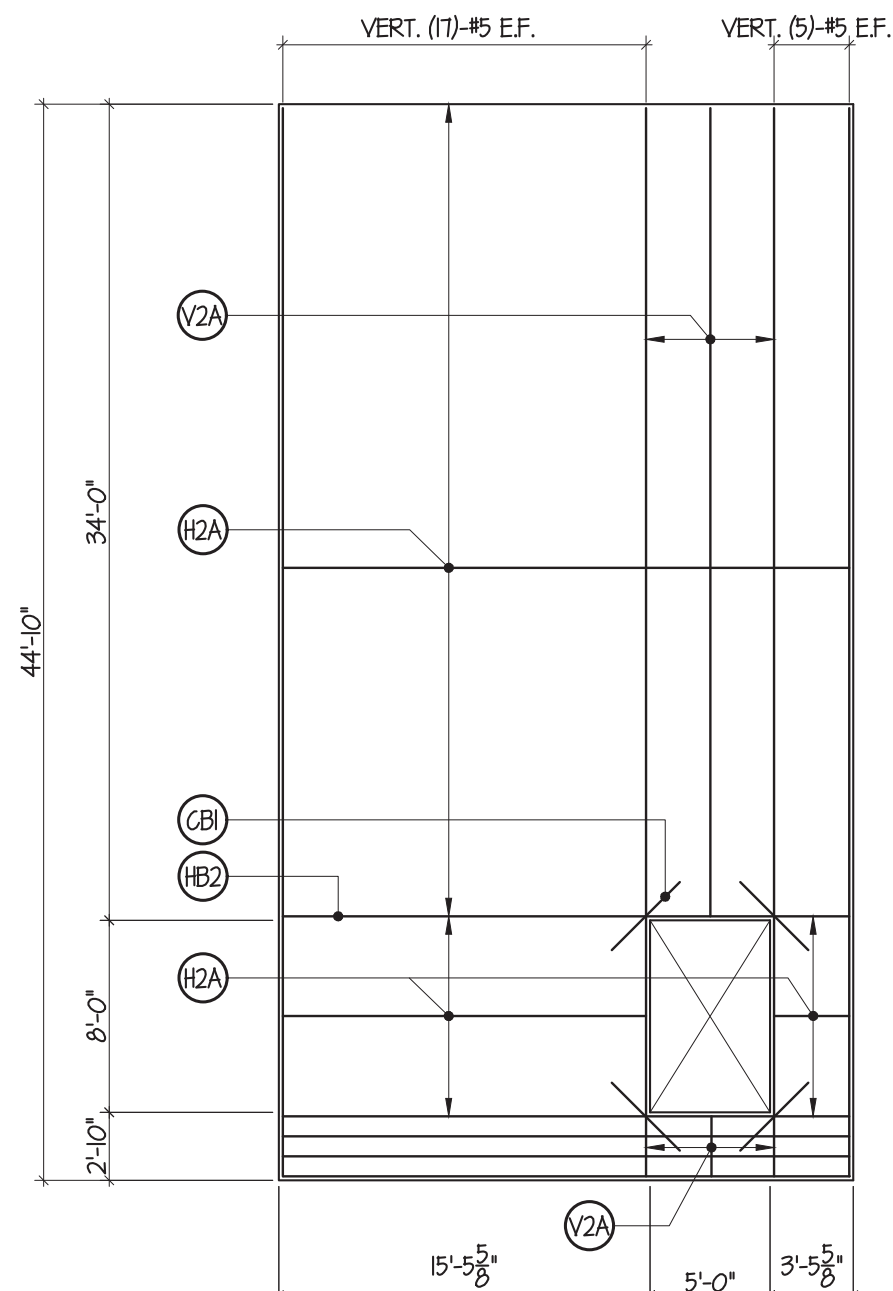
PANEL R36
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E18 9.25' W18 9.25'
R36 R36



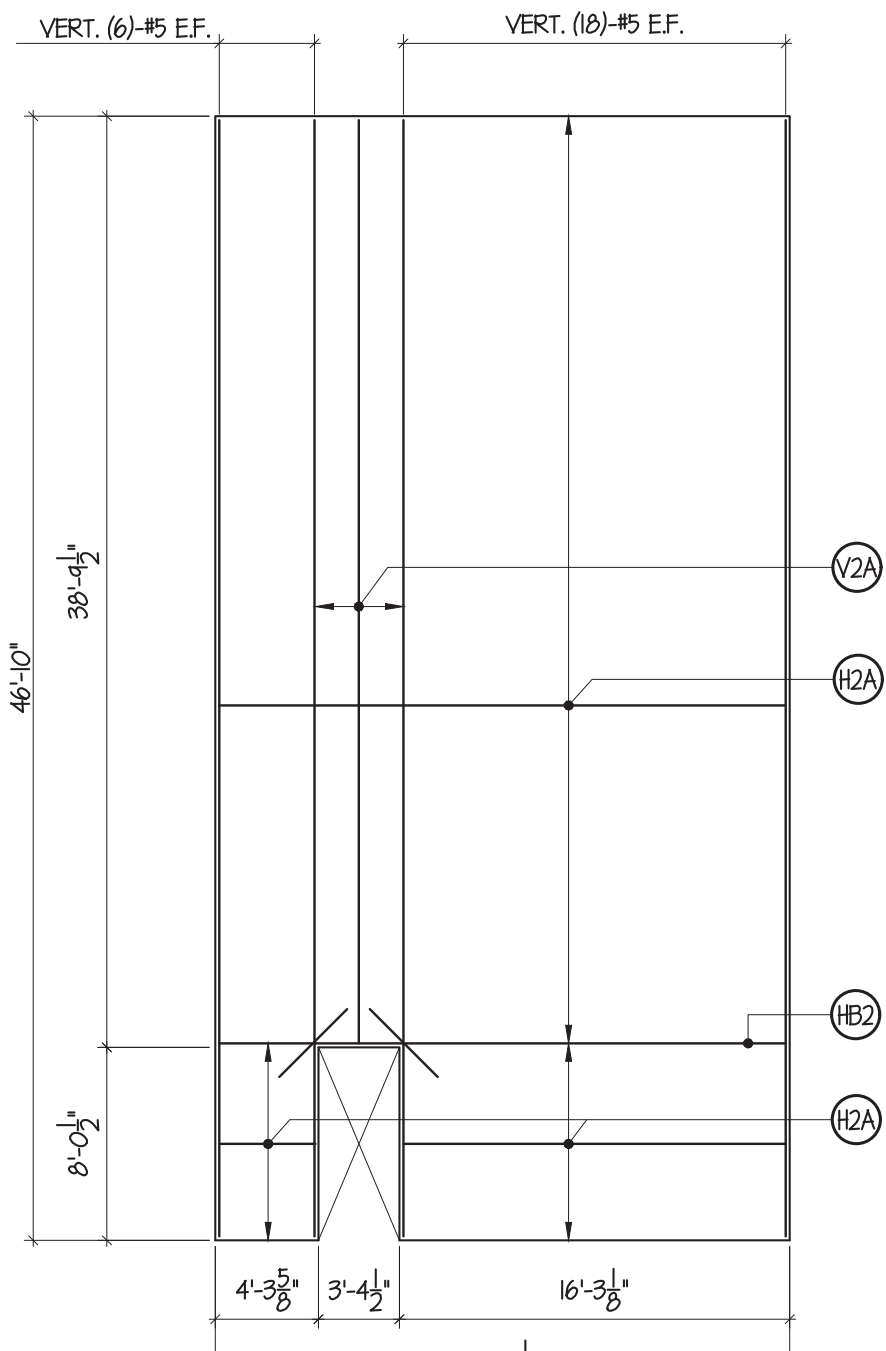
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E25 9.25'
R37



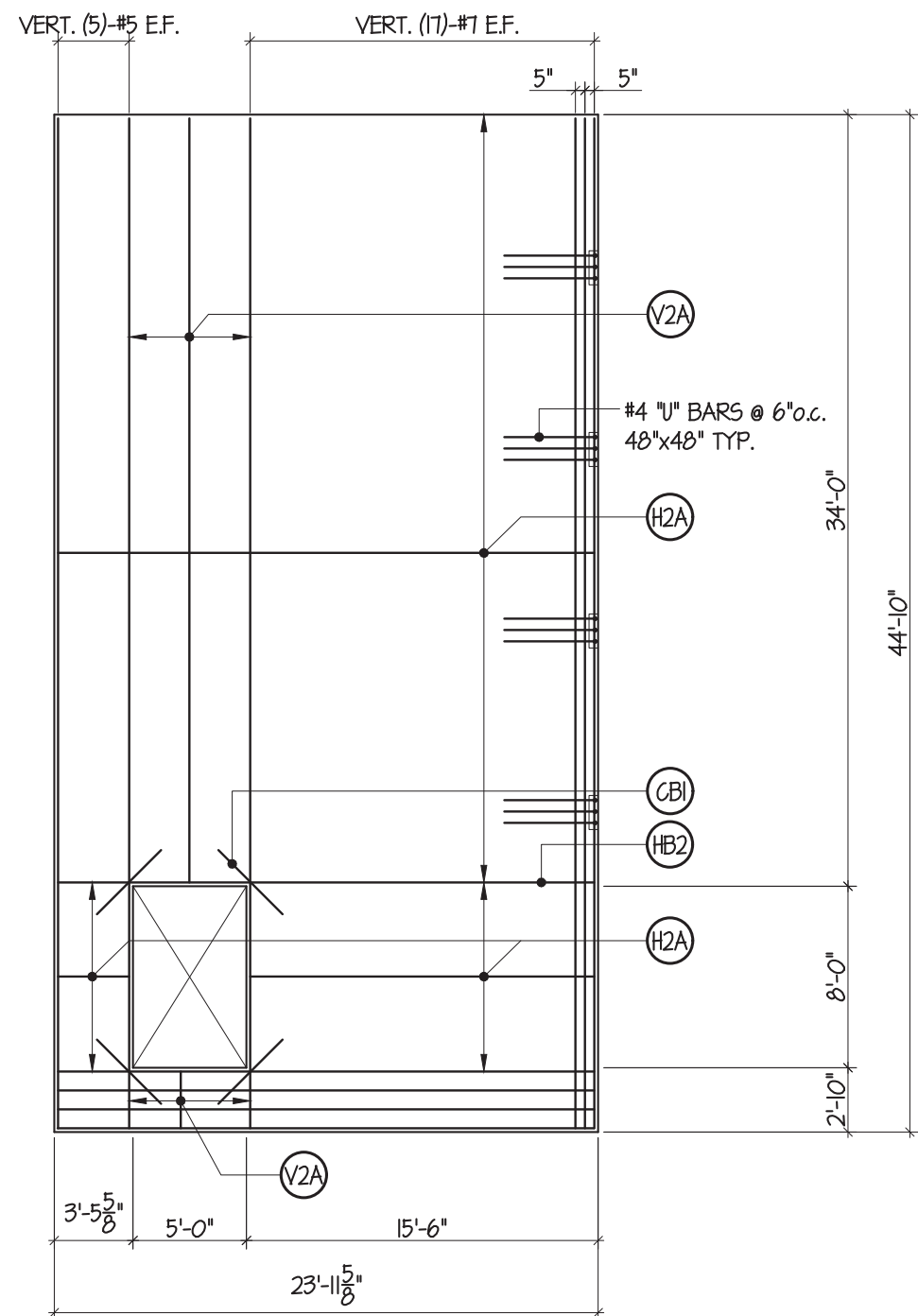
PANEL R38
2 REQUIRED
E26 9.25' W11 9.25'
R38 R38



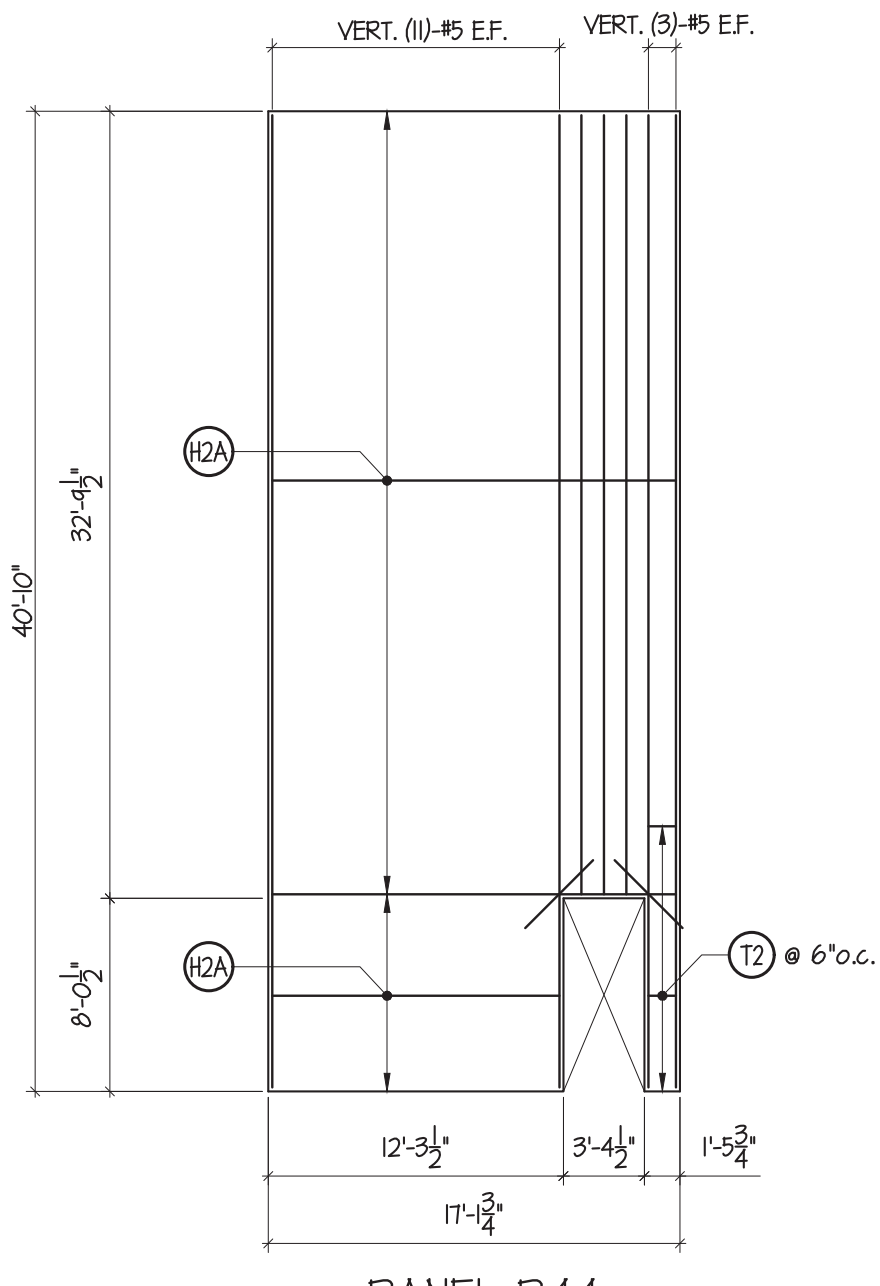
PANEL R40
1 REQUIRED
W2 9.25'
R40



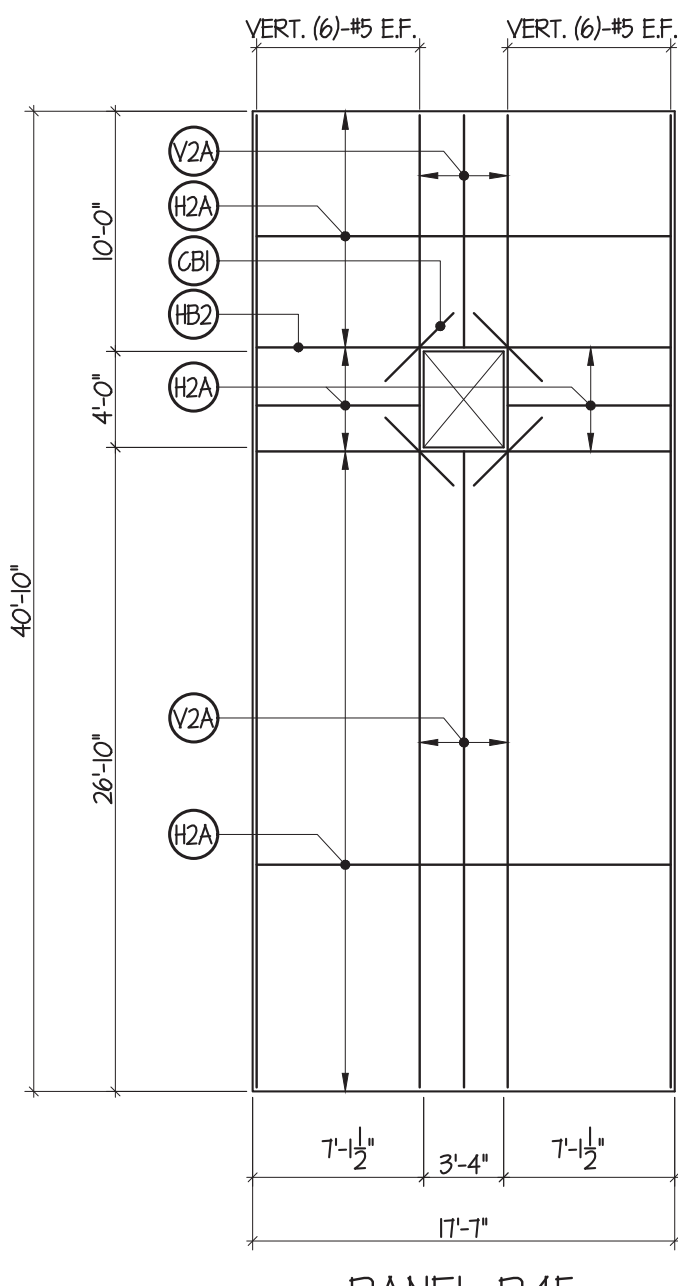
PANEL R41
1 REQUIRED
W3 9.25'
R41



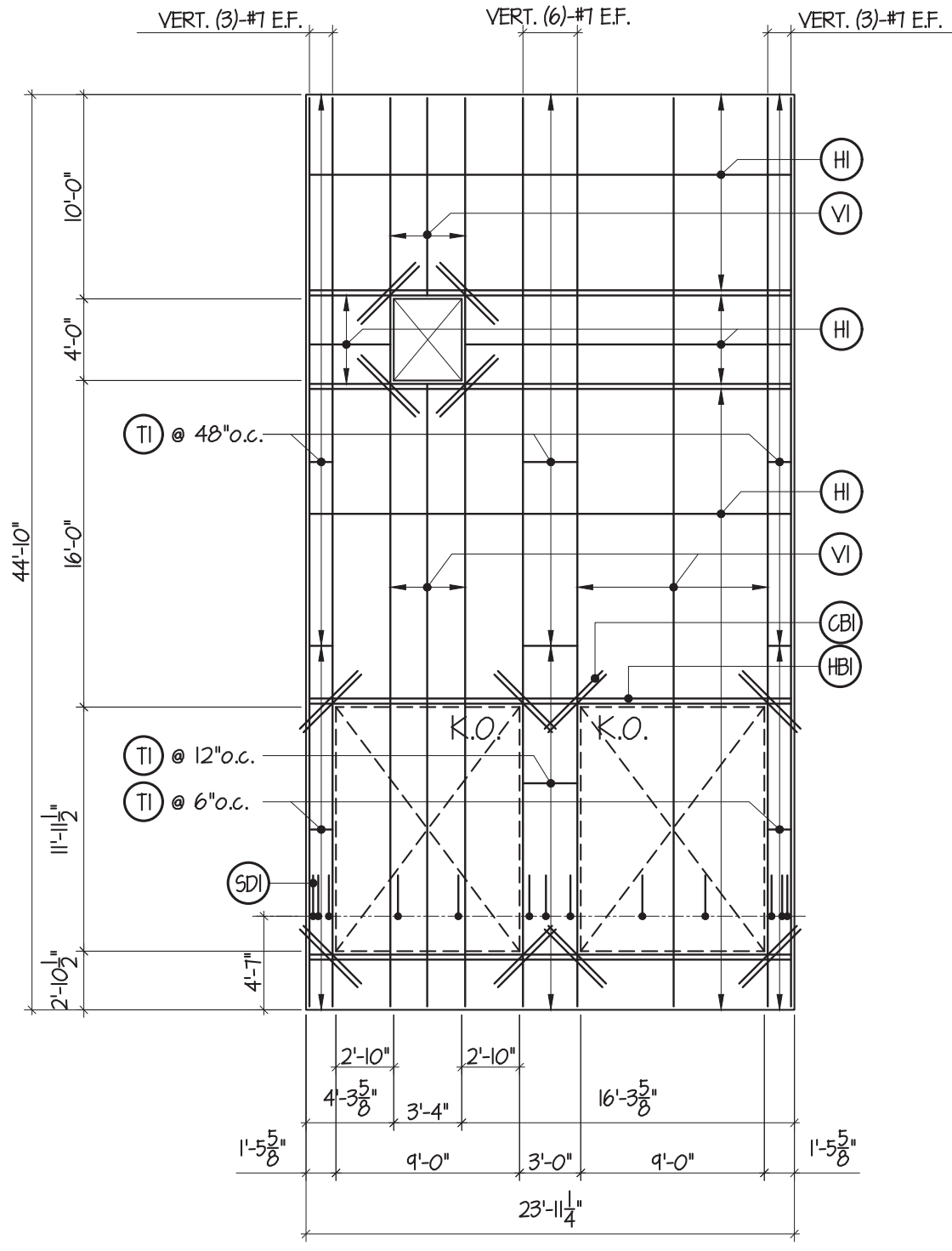
PANEL R42
1 REQUIRED
W24 9.25'
R42



PANEL R44
1 REQUIRED
S4 9.25'
R44



PANEL R45
1 REQUIRED
S6 9.25'
R45



PANEL R46
1 REQUIRED
S37 9.25'
R46

REINFORCING SCHEDULE			
(V1)	VERT. #4 @ 16" o.c. CT RD.	(H1)	HORZ. #5 @ 16" o.c. CT RD.
(V2)	VERT. #4 @ 18" o.c. E.F.	(H2)	HORZ. #4 @ 18" o.c. E.F.
(V2A)	VERT. #4 @ 32" o.c. E.F. EACH LAYER STAGGERED 16" o.c.	(H2A)	HORZ. #5 @ 32" o.c. E.F. EACH LAYER STAGGERED 16" o.c.
		(SD1)	#4 SLAB DOWELS @ 24" o.c. MAX. (min. 3 PER LEG/JAMB)
		(SD2)	#4 x 1'-0" L.G. SLAB DOWELS @ 12" o.c. (FIELD BEND)
		(CB1)	(2)-#5 x 4'-0" CORNER BARS (1) E.F. OR (2) CT RD. @ 3' o.c.
		(CB2)	(2)-#5 x 6'-0" CORNER BARS (1) E.F. OR (2) CT RD. @ 3' o.c.
		(CB3)	(2)-#5 CORNER BARS (1) E.F. OR (2) CT RD. @ 3' o.c.
(T1)	#3 ONE PIECE TIE w/90° HOOKS		
(T2)	#3 TWO PIECE TIE w/90° HOOKS		
(T1) & (T2)	MAY BE USED INTERCHANGEABLY		
(HB2)	HORIZONTAL BAR #5 E.F. w/10" HOOKS EA. END (HOOK NOT REQ'D IF JAMB IS 30" OR MORE)		
(HB1)	HORIZONTAL BAR (2)-#5 CT RD. @ 3' o.c. w/10" HOOKS EA. END (HOOK NOT REQ'D IF JAMB IS 30" OR MORE)		



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FOR REVIEW AND APPROVAL 2022-05-16

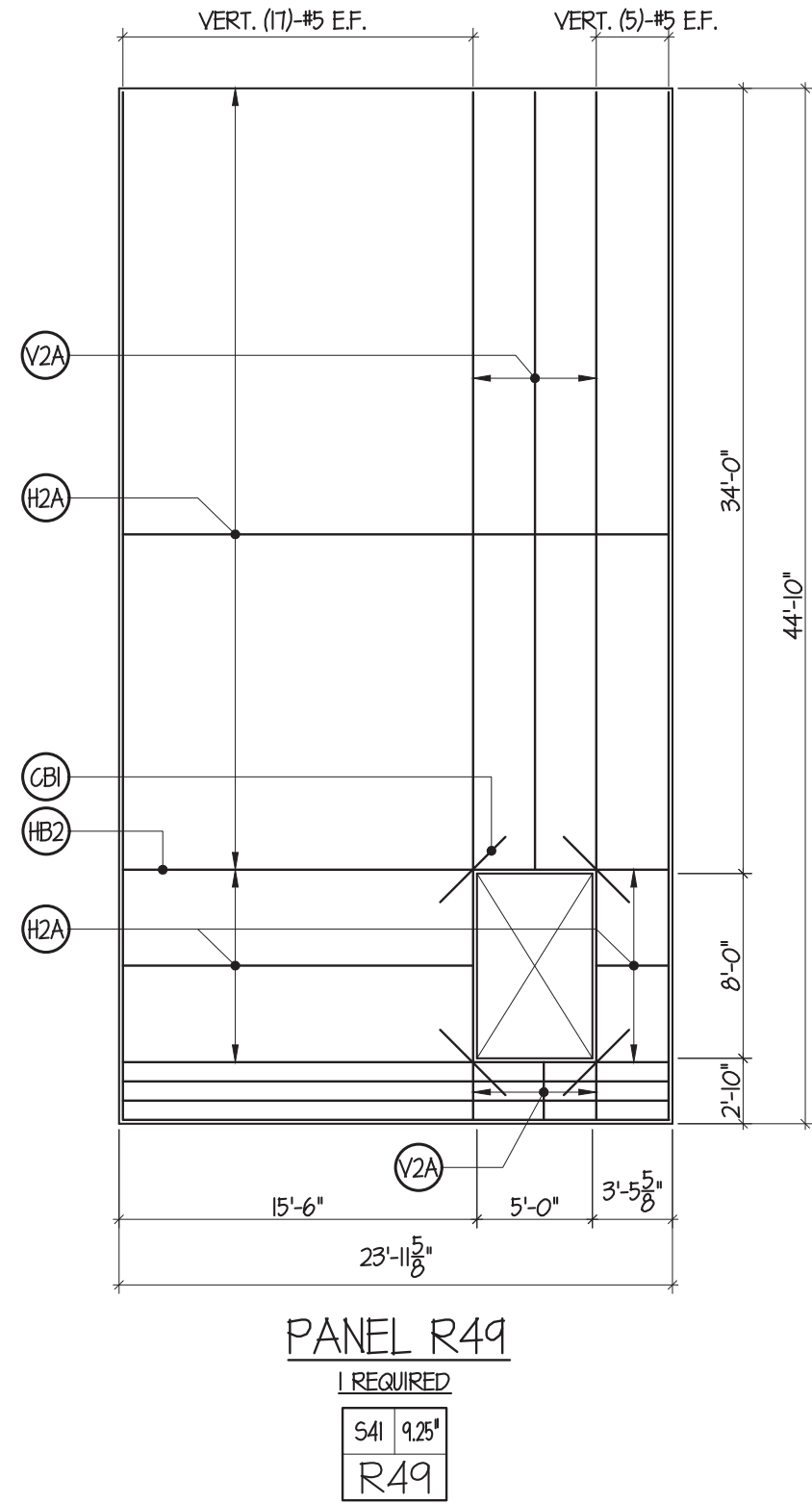
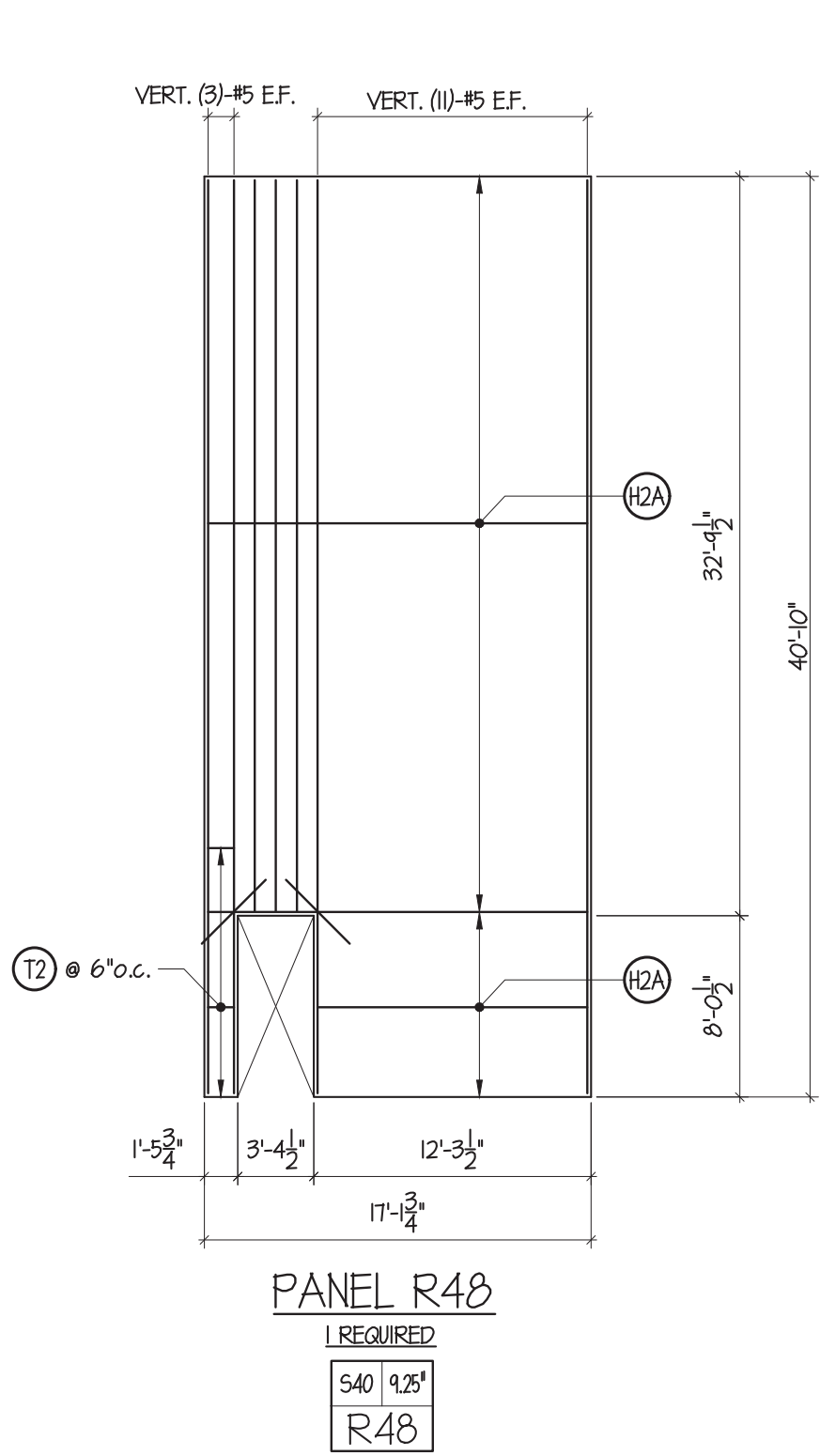
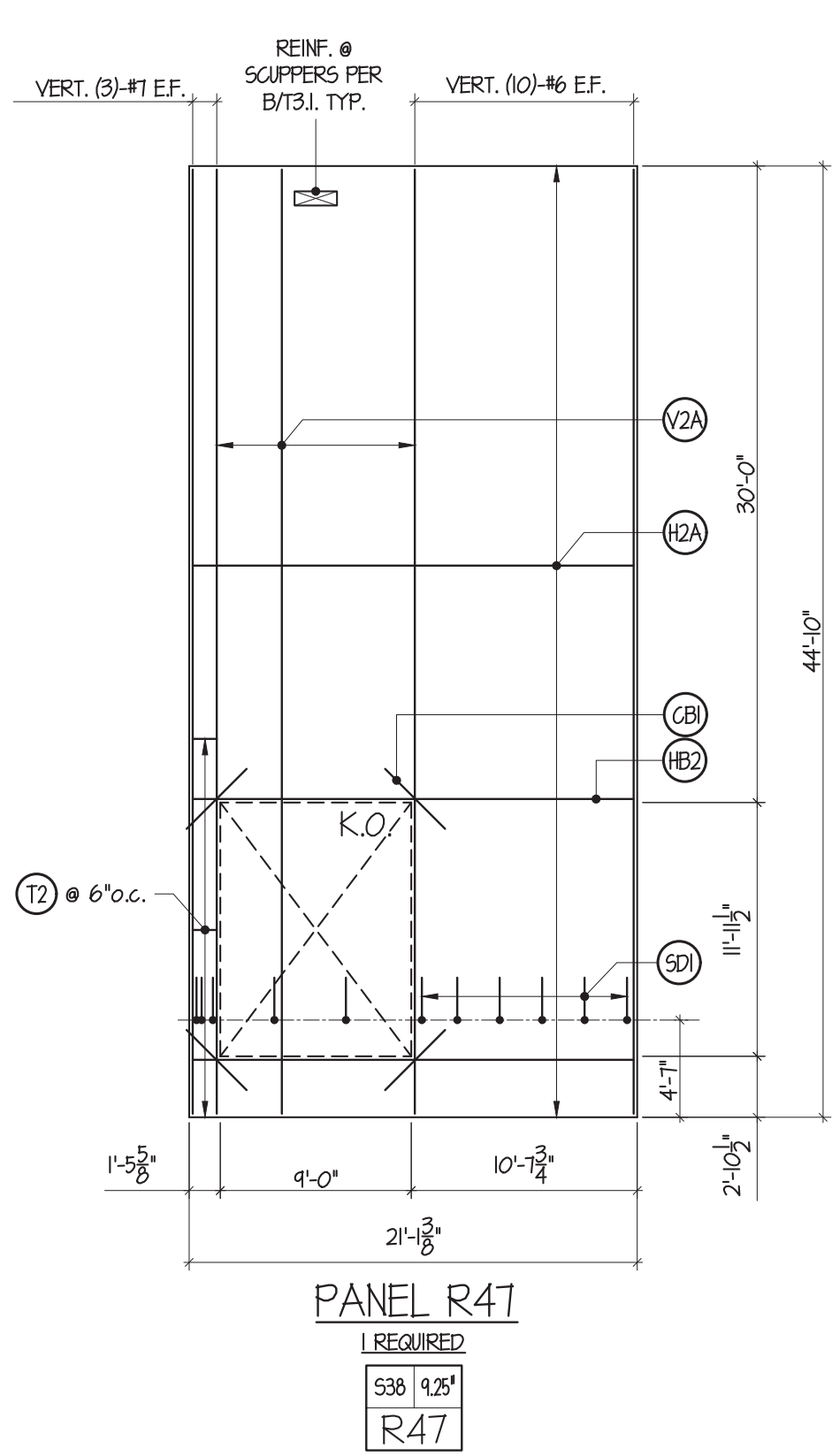
Lee's Summit Logistics
Building A Lot 1
NW Corner of NE Tudor Rd. & Main St.
Lee's Summit, MO 64086

ISSUE TYPE
FOR REVIEW AND APPROVAL

ISSUE DATE
2022-05-16

SHEET NO.:

T4.4



REINFORCING SCHEDULE			
(V1)	VERT. #4 @ 16" o.c. CTRD.	(H1)	HORZ. #5 @ 16" o.c. CTRD.
(V2)	VERT. #4 @ 18" o.c. EF.	(H2)	HORZ. #4 @ 18" o.c. EF.
(V2A)	VERT. #4 @ 32" o.c. EF. EACH LAYER STAGGERED 16" o.c.	(H2A)	HORZ. #5 @ 32" o.c. EF. EACH LAYER STAGGERED 16" o.c.
		(SD1)	#4 SLAB DOWELS @ 24"o.c. MAX. (min. 3 PER LEG/JAMB)
		(SD2)	#4 x 1'-0" L.G. SLAB DOWELS @ 12"o.c. (FIELD BEND)
		(CB1)	(2)-#5 x 4'-0" CORNER BARS (1) EF. OR (2) CTRD. @ 3' o.c.
(T1)	#3 ONE PIECE TIE w/90° HOOKS	(CB2)	(2)-#5 x 6'-0" CORNER BARS (1) EF. OR (2) CTRD. @ 3' o.c.
(T2)	#3 TWO PIECE TIE w/90° HOOKS	(CB3)	(2)-#5 CORNER BARS (1) EF. OR (2) CTRD. @ 3' o.c.
(T1) & (T2)	MAY BE USED INTERCHANGEABLY		
(HB2)	HORIZONTAL BAR #5 EF. w/10" HOOKS EA. END (HOOK NOT REQ'D IF JAMB IS 30" OR MORE)		
(HB1)	HORIZONTAL BAR (2)-#5 CTRD. @ 3' o.c. w/10" HOOKS EA. END (HOOK NOT REQ'D IF JAMB IS 30" OR MORE)		

FOR REVIEW AND APPROVAL 2022-05-16

Lee's Summit Logistics
Building A Lot 1
NW Corner of NE Tudor Rd. & Main St.
Lee's Summit, MO 64086

ISSUE TYPE	ISSUE DATE
FOR REVIEW AND APPROVAL	2022-05-16

SHEET NO:
T4.5



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