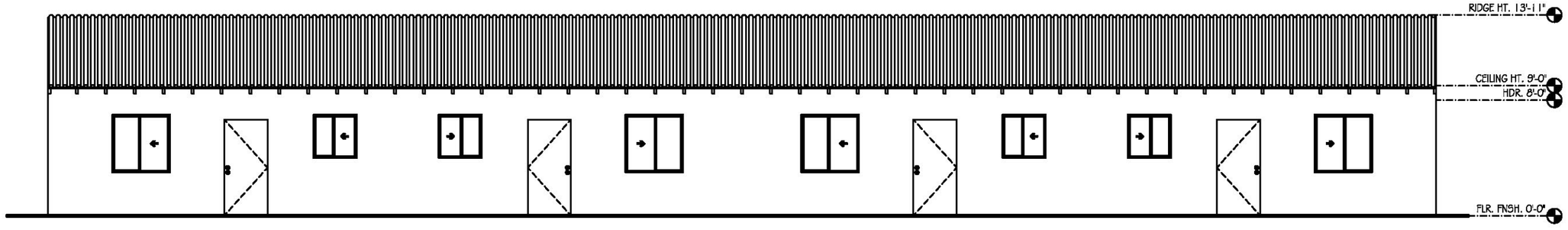
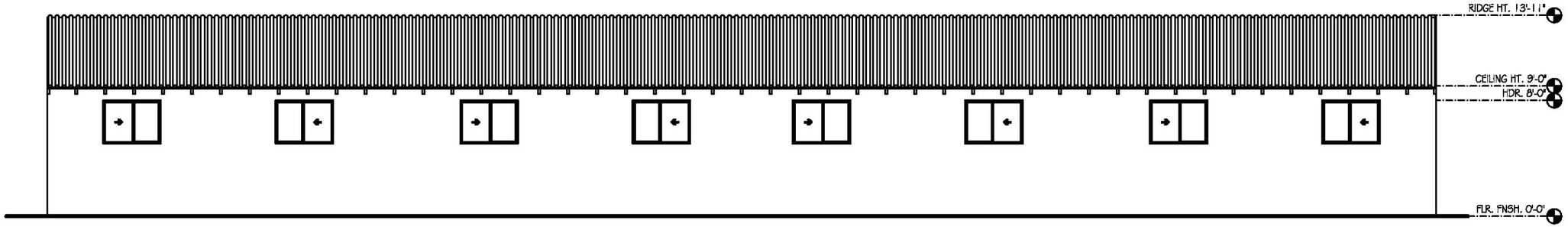
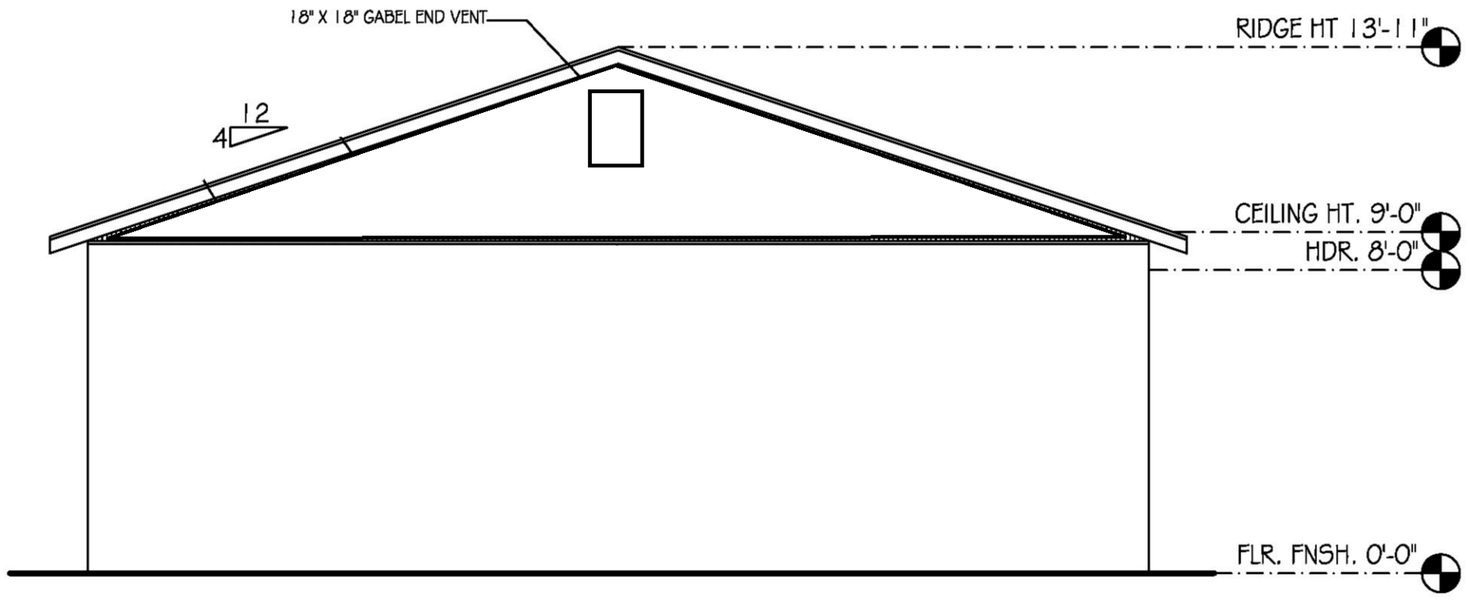
LAZARIAN WORLD 4PLEX



ELEV. 1 PG. 1
SCALE: 1/8" = 1'-0"

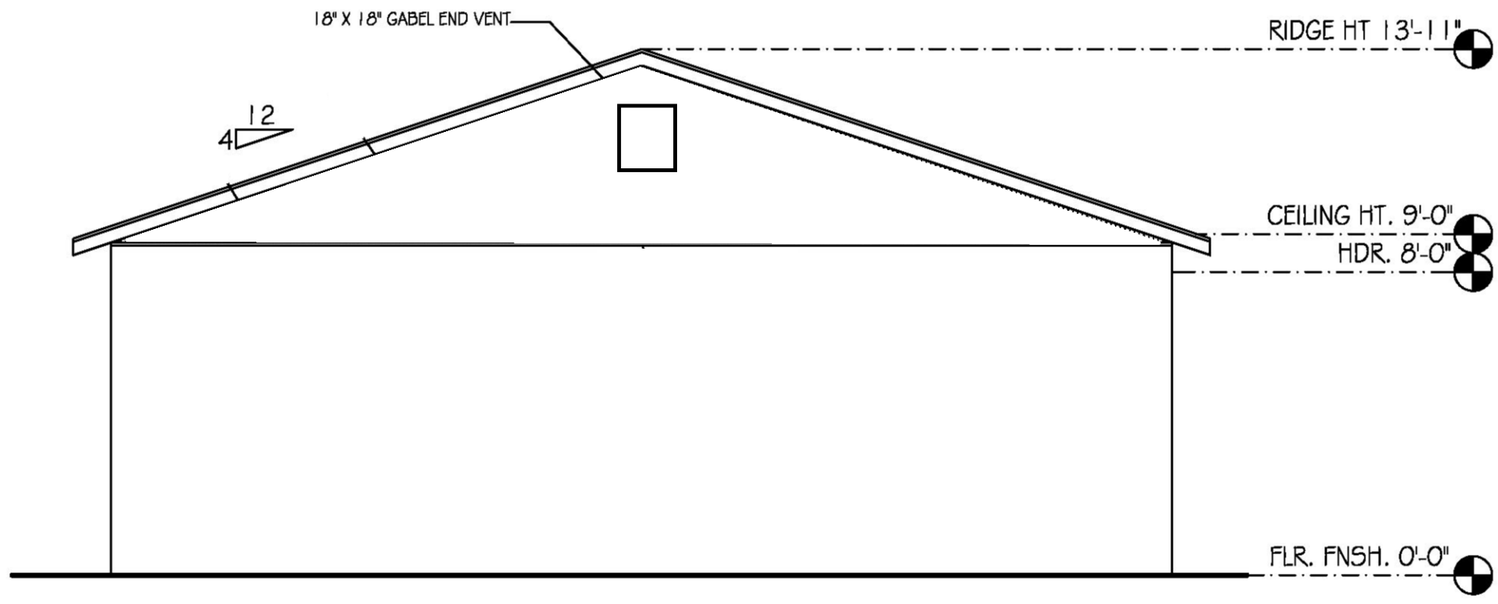


ELEV. 2 PG. 2
SCALE: 1/8" = 1'-0"



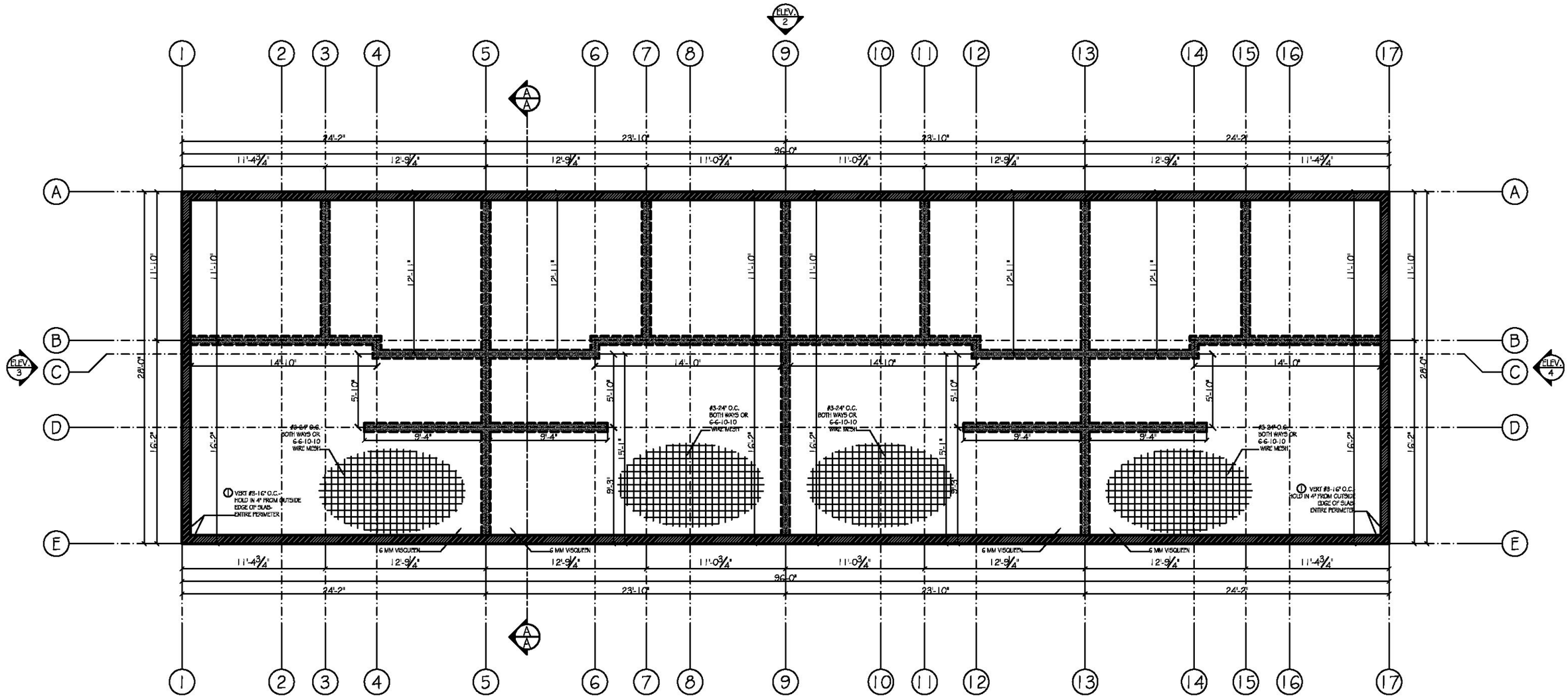
ELEV. 3 PG. 3

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



ELEV. 4 PG. 4

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



4" CONC. SLAB
SLAB DIMENSIONS 96'-0" LONG X 28'-0" WIDE
4" THICK SLAB W/ #3 - 24" O.C.
BOTH WAYS OR 6-6-10-10 WIRE MESH
AND 6 MM VISQUEEN

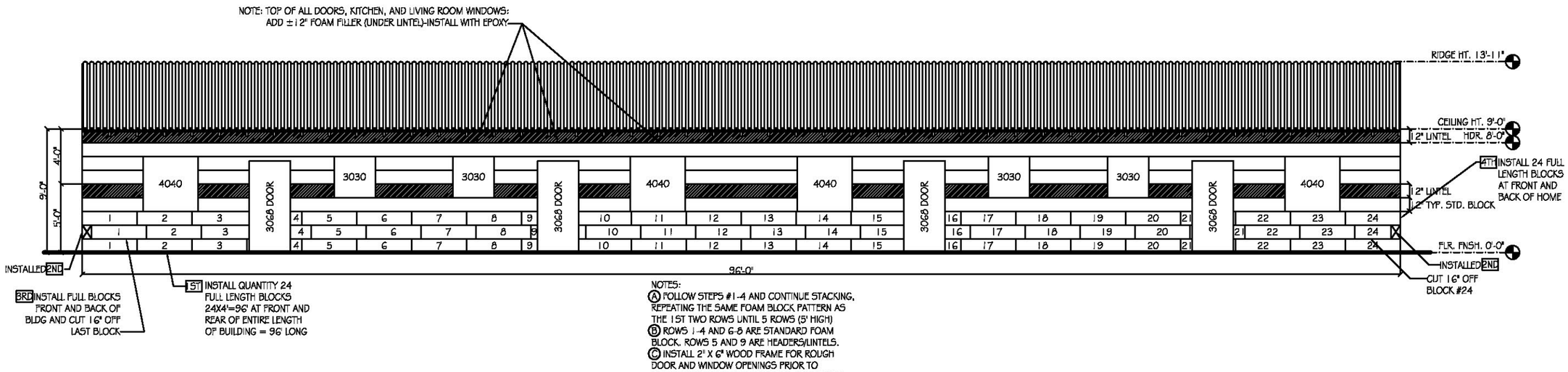
WALLS W/ FTGS. 12" WIDE X 24" DEEP W/ #3 REBAR T&B CONTINUOUS - INSTALL #3 VERTICAL REBAR PER DETAIL 1.

THICKEN SLAB TO 8" UNDER NON-BEARING WALLS (DRILL AND EPOXY #3 REBAR 3'-0" LONG 16" O.C. INTO ALL NON-BEARING WALLS WITH THICKEN SLAB).

① USE 3'-0" LONG #3 AND EXPOSE 2'-0" LONG VERTICAL (THEREFORE 12" INTO SLAB/FTG. AND TIE TO TOP REBAR). VERTICAL #3 REBAR TO BE 16" O.C. ENTIRE PERIMETER OF SLAB (LAYOUT-HOLD IN 4" FROM OUTSIDE CORNERS AND FROM OUTSIDE EDGE OF SLAB).

FOUNDATION PLAN

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



NOTES:

(A) FOLLOW STEPS #1-4 AND CONTINUE STACKING, REPEATING THE SAME FOAM BLOCK PATTERN AS THE 1ST TWO ROWS UNTIL 5 ROWS (5' HIGH)

(B) ROWS 1-4 AND 6-8 ARE STANDARD FOAM BLOCK. ROWS 5 AND 9 ARE HEADERS/LINTELS.

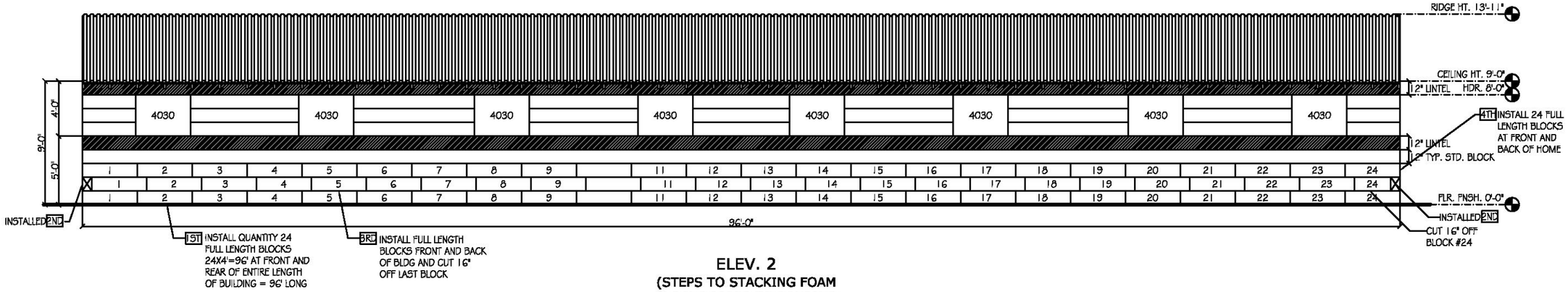
(C) INSTALL 2" X 6" WOOD FRAME FOR ROUGH DOOR AND WINDOW OPENINGS PRIOR TO STACKING FOAM BLOCK. MAKE ALL 2" X 6" BOX FRAMES W/ 12" HIGH ¾" PLYWOOD GUSSET WITH ½" PLYWOOD 8" WIDE ON TOP AND BOTTOM OF FRAME (SEE INSTRUCTIONS - LAZARIAN WORLD HOME CONSTRUCTION STEPS). USE CONCRETE NAILS AND NAIL BASE OF DOOR FRAMES TO SLAB.

(D) WHEN STACKING THE BLOCK WALLS, CUT ALL FOAM BLOCKS TO WITHIN ¼" OF THE WINDOW AND DOOR WOOD BOX FRAME OPENINGS.

(E) EPOXY "CUSTOM" SIZE LINTEL ENDS WHERE THERE ARE CUT FOAM BLOCKS AT WINDOW AND DOOR OPENINGS TO SEAL LINTELS WHEN POURING CONCRETE INTO WALL/LINTEL CAVITIES.

ELEV. 1
(STEPS TO STACKING FOAM BLOCKS PRIOR TO POURING CONCRETE IN THE WALLS)

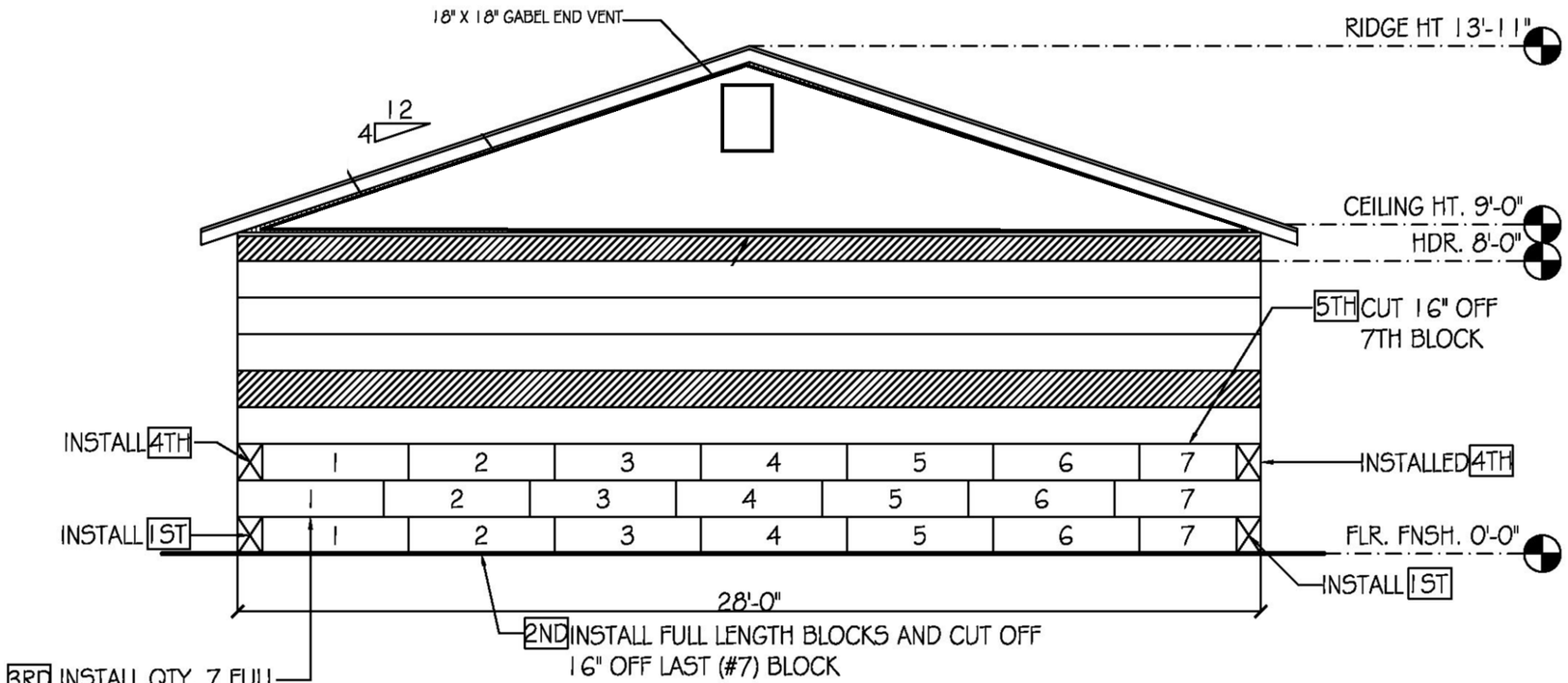
SCALE: 1/8" = 1'-0"



ELEV. 2

(STEPS TO STACKING FOAM BLOCKS PRIOR TO POURING CONCRETE IN THE WALLS)

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

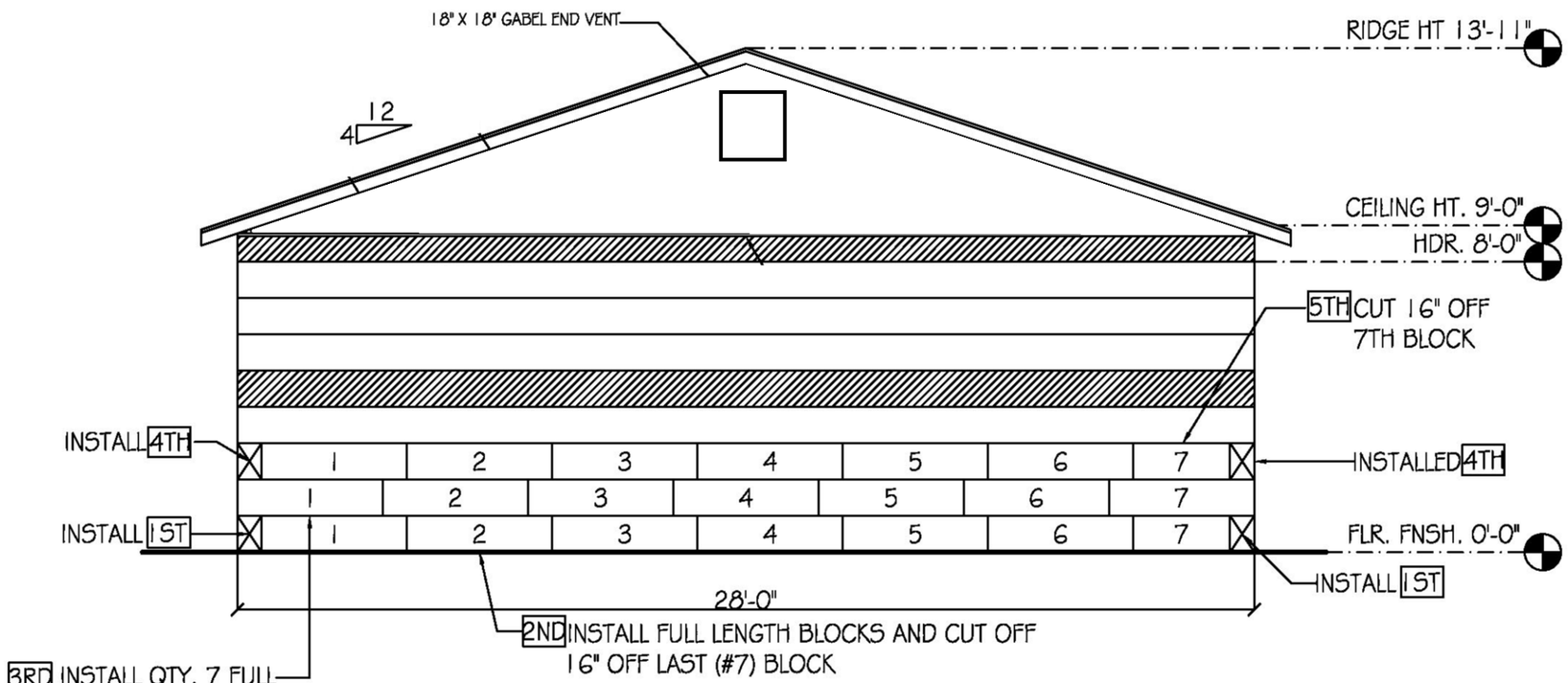


ELEV. 3

(STEPS TO STACKING FOAM BLOCKS PRIOR TO POURING CONCRETE IN THE WALLS)

PG. 8

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

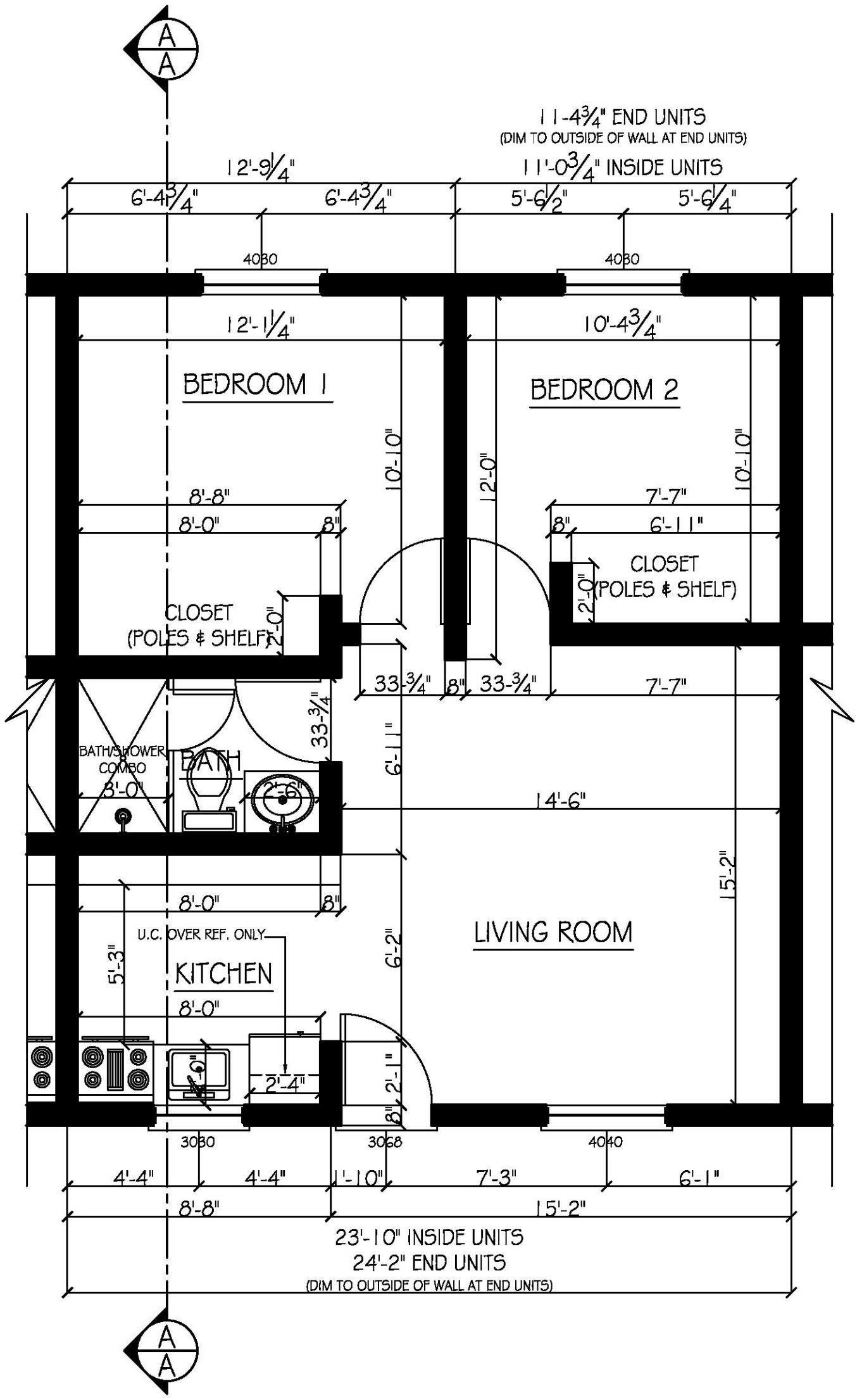


ELEV. 4

(STEPS TO STACKING FOAM BLOCKS PRIOR TO POURING CONCRETE IN THE WALLS)

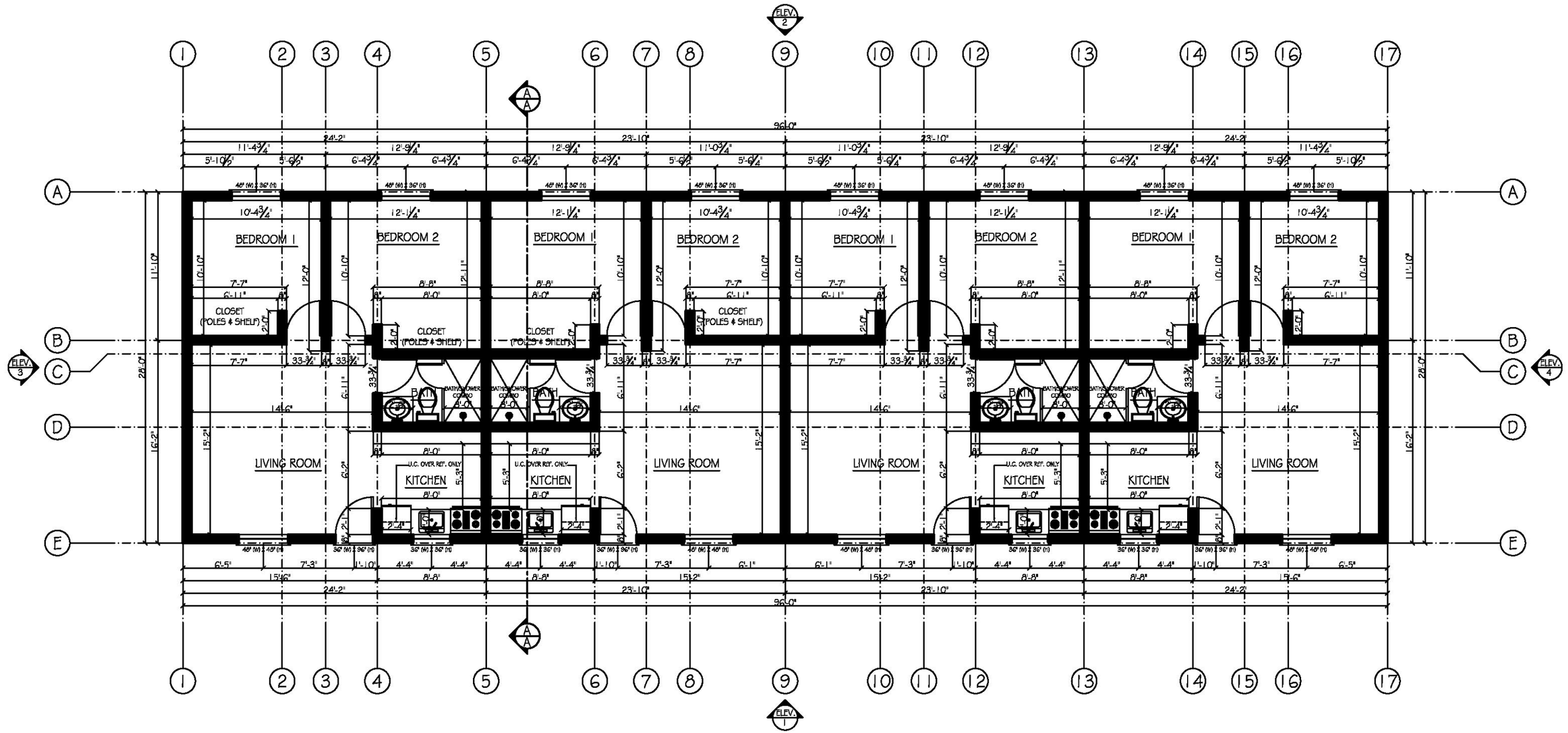
PG. 9

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



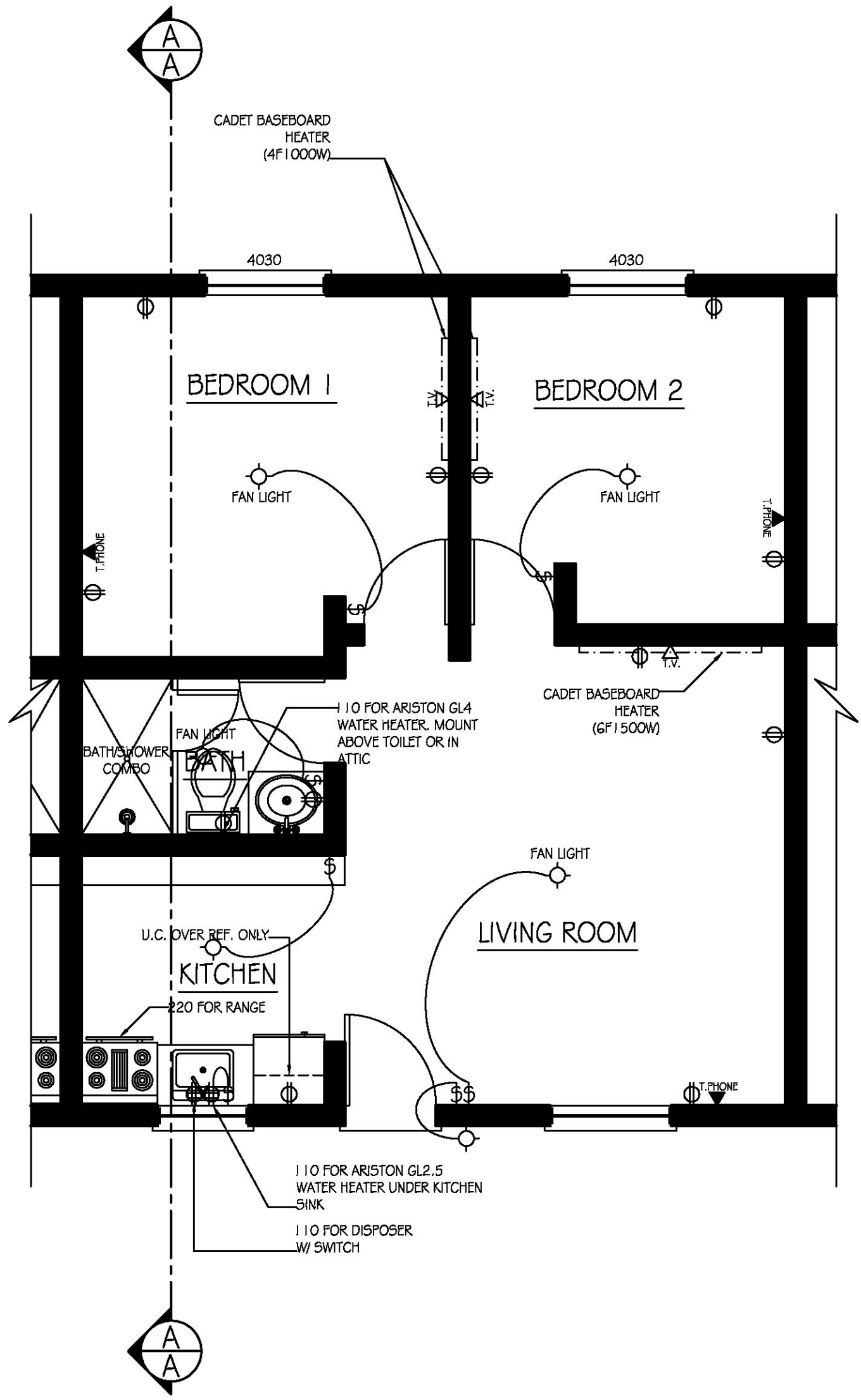
FLOOR PLAN PG. 10

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



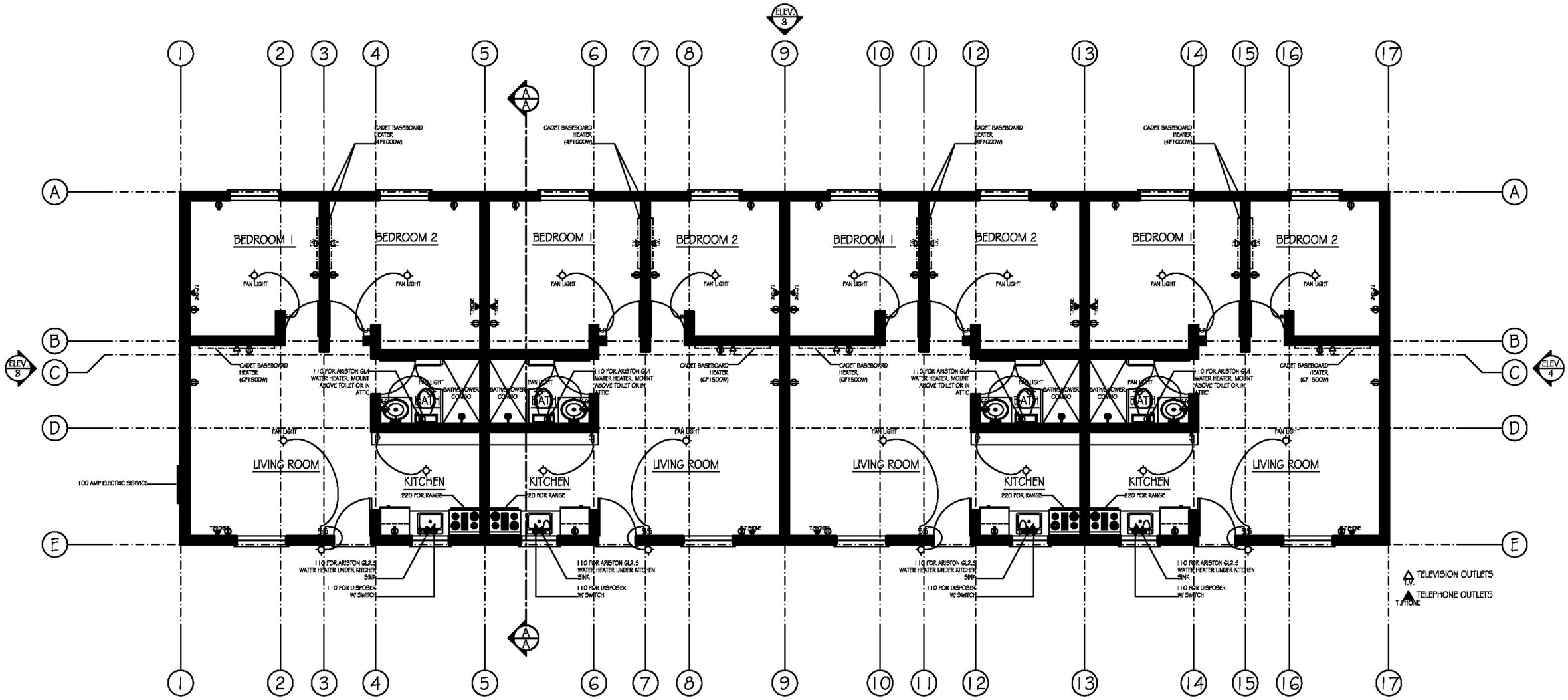
FLOOR PLAN PG. 10A

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



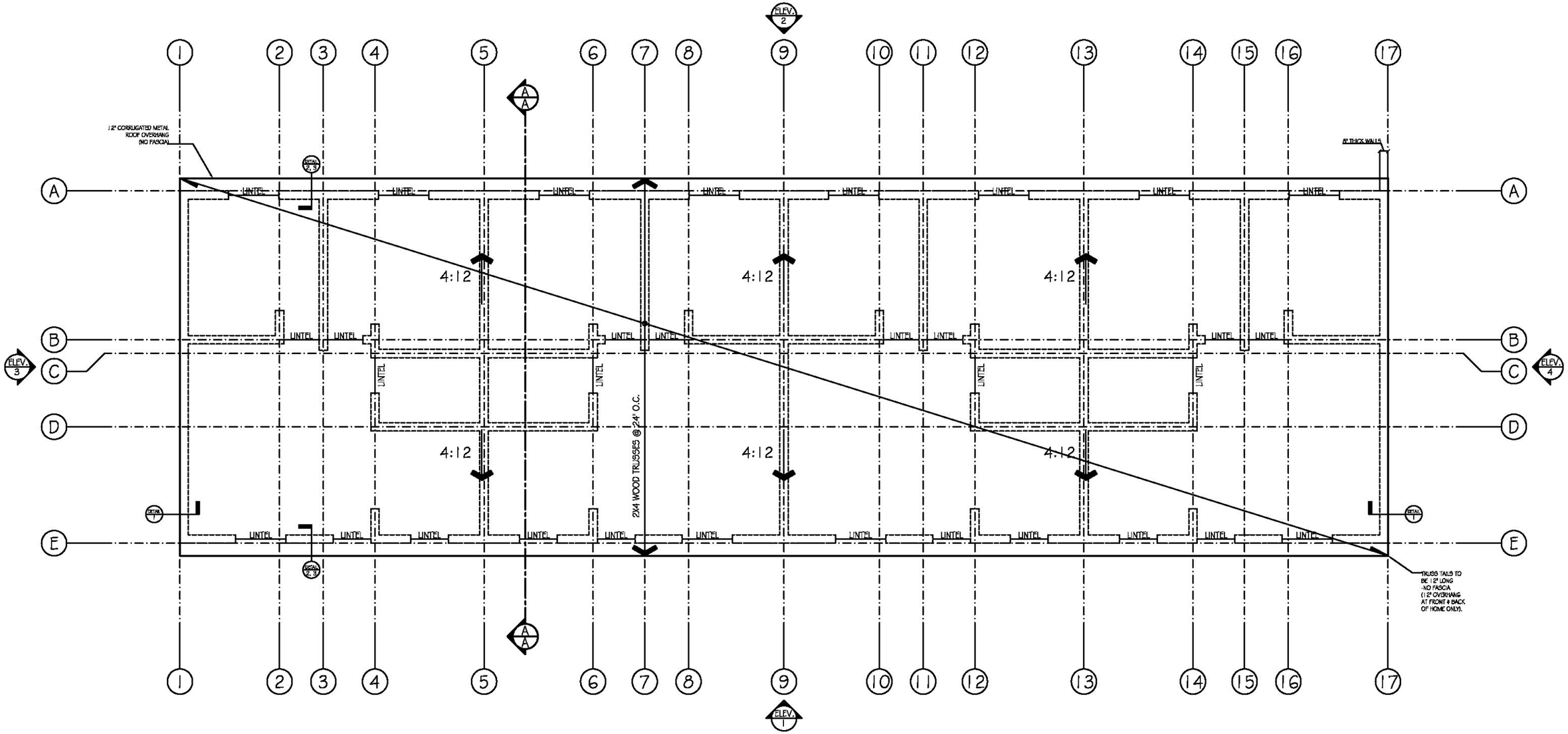
ELECTRICAL PLAN PG. 11

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



ELECTRICAL PLAN PG. 11A

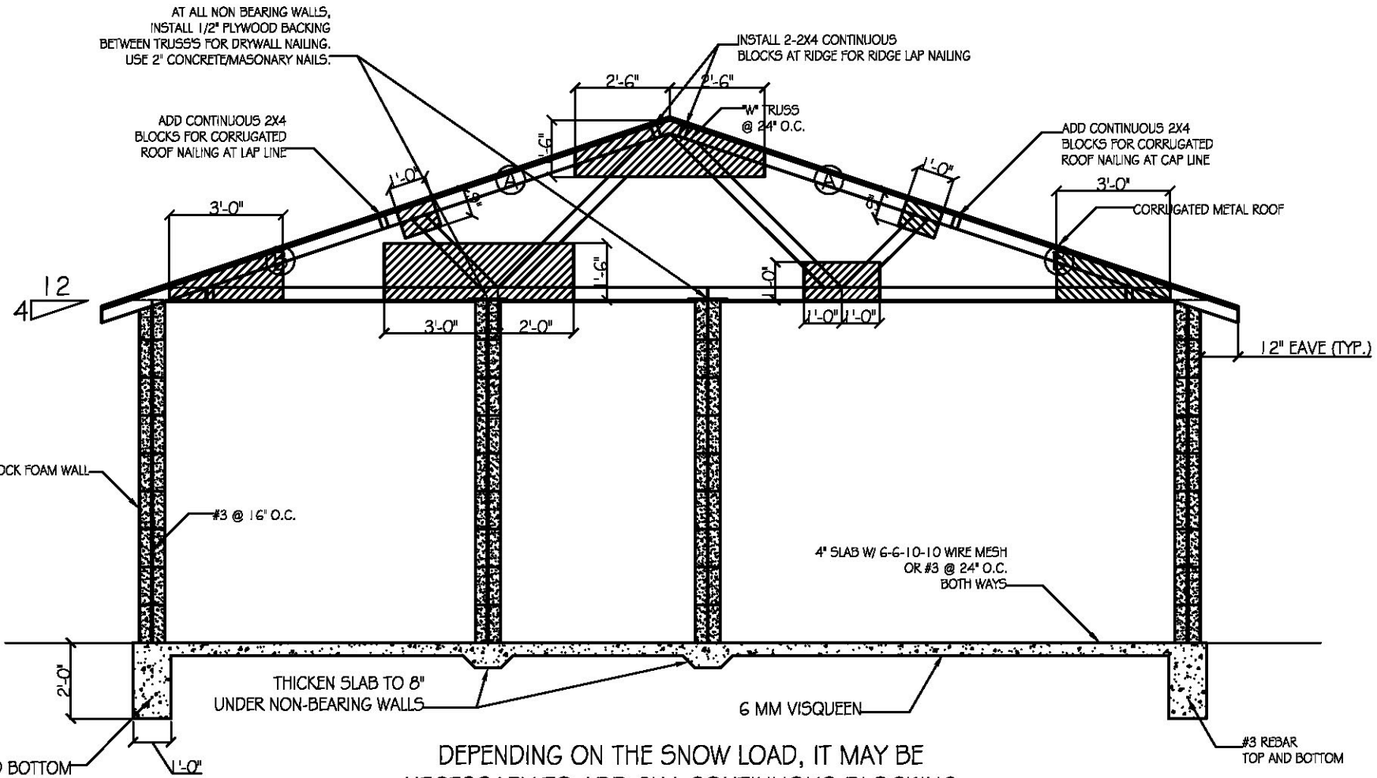
SCALE: 1/8" = 1'-0"



NOTE: ALL BEAMS/LINTELS FOR DOOR AND WINDOW OPENINGS TO BE SET AT TOP ROW OF FOAM BLOCK ONLY (9' PLATE LINE AND NET 8' HIGH FOR HEADER/LINTEL CLEARANCE)

FRAMING PLAN

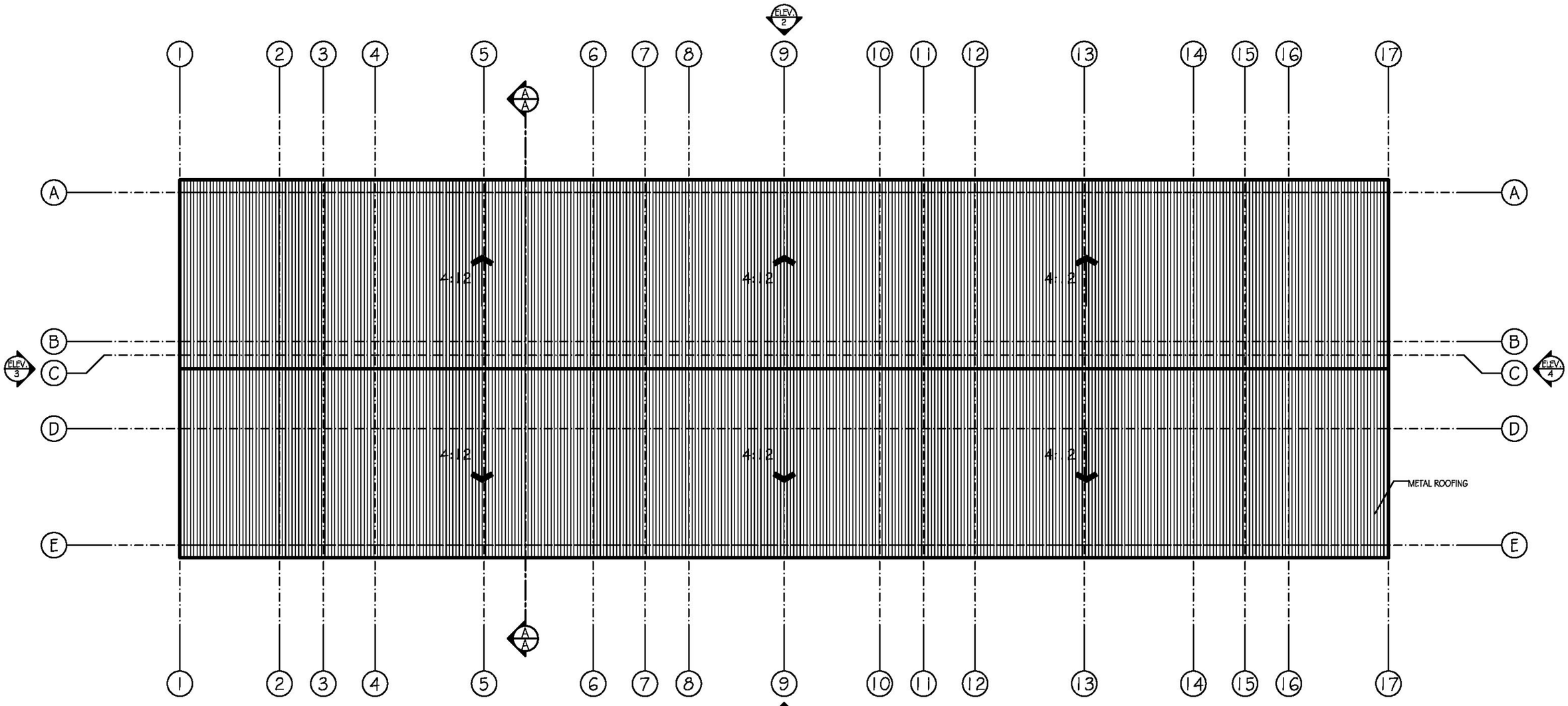
SCALE: 1/8" = 1'-0"



DEPENDING ON THE SNOW LOAD, IT MAY BE NECESSARY TO ADD 2X4 CONTINUOUS BLOCKING AT PONTS Ⓐ & Ⓑ TO STRNGTHEN ROOF CROSS SECTION

SECTION A-A PG. 13

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



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

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Trans ID: 215847
+7.4.0T(1L)-E

LUMBER SPECIFICATIONS

SIZE	SPECIE	GRADE	PANEL(S)
		TOP CHORDS:	
2x 4	HF	#2	1 - 4
		BOTTOM CHORDS:	
2x 4	HF	#2	1 - 3
		WEBS:	
2x 4	HF	STD/STUD	1 - 4

TC LATERAL SUPPORT <= 12"OC. UON.
BC LATERAL SUPPORT <= 12"OC. UON.

TRUSS SPAN 28' - 0.0"
LOAD DURATION INCREASE = 1.25
SPACED 24.0" O.C.

LOADING

LL(16.0)+DL(10.0) ON TOP CHORD =	26.0 PSF
DL ON BOTTOM CHORD =	7.0 PSF
TOTAL LOAD =	33.0 PSF

FIELD REPAIR TO CONSTRUCT TRUSS IN FIELD, IN LIEU OF PLATES SHOWN, PROVIDE 1/2" CDX PLYWOOD OR STRUCTURAL CSB TO EACH FACE CONNECTED WITH 10d NAILS STAGGERED AND CLINCHED AT 2"oc NET THROUGHOUT.

JBC 97/TPI SINGLE MEMBER FORCES 4WR(GOF)

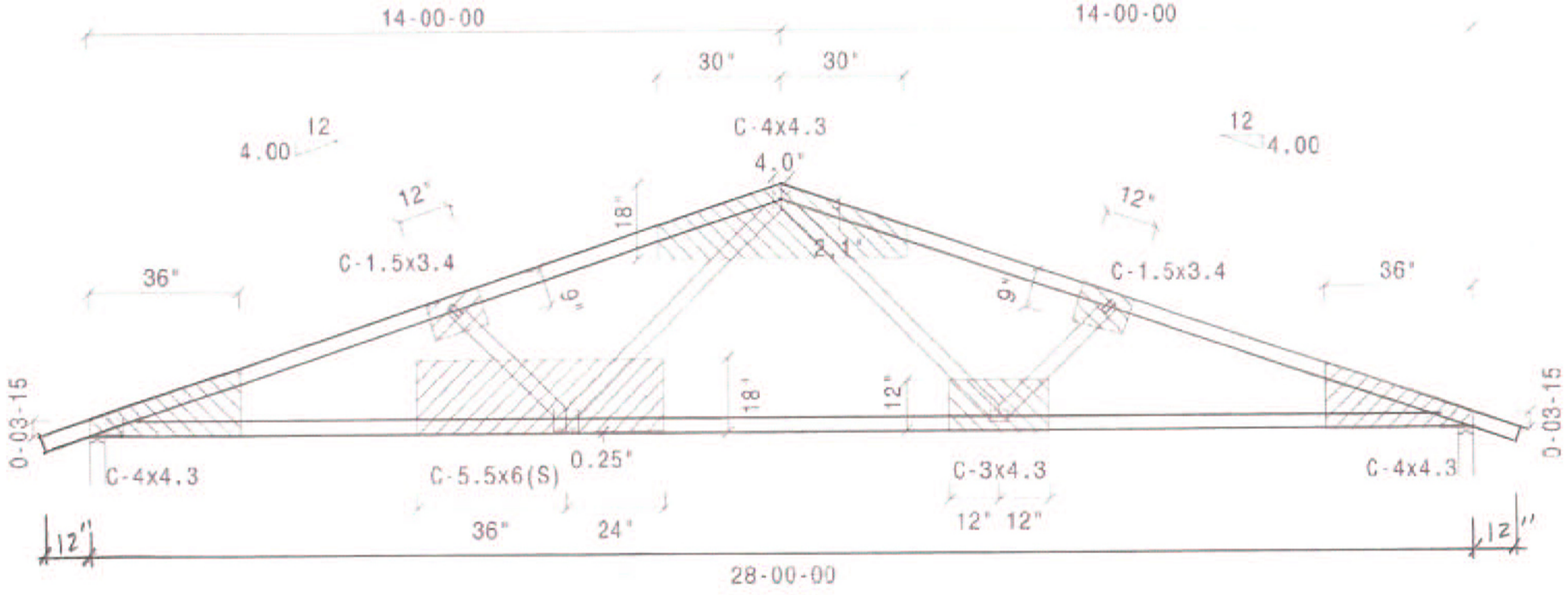
T 1=	-2177	B 1=	2009	W 1=	-415
T 2=	-1891	B 2=	1313	W 2=	610
T 3=	-1891	B 3=	2009	W 3=	610
T 4=	-2177			W 4=	-415

BEARINGS

LOCATION	REACTION	REQ'D AREA (SQ. IN.)	
0' 0.0"	924	2.29	HF (405)
28' - 0.0"	924	2.29	HF (405)

MAX LL DEFL = -0.135" (L/2437) @ 18' - 4.7" L/240 = 1.371"
MAX TL DEFL = -0.276" (L/1192) @ 18' - 4.7" L/180 = 1.828"
MAX HORIZ. LL DEFL = 0.042" @ 27' - 8.5"
MAX HORIZ. TL DEFL = 0.086" @ 27' - 8.5"

Max member CSI					
T1	0.65	B1	0.68	W1	0.13
T2	0.61	B2	0.55	W2	0.26
T3	0.61	B3	0.68	W3	0.26
T4	0.66			W4	0.13



Scale: 1/4"
JOB NAME: 28' COMMON

FILE NO.: 28 COMMON

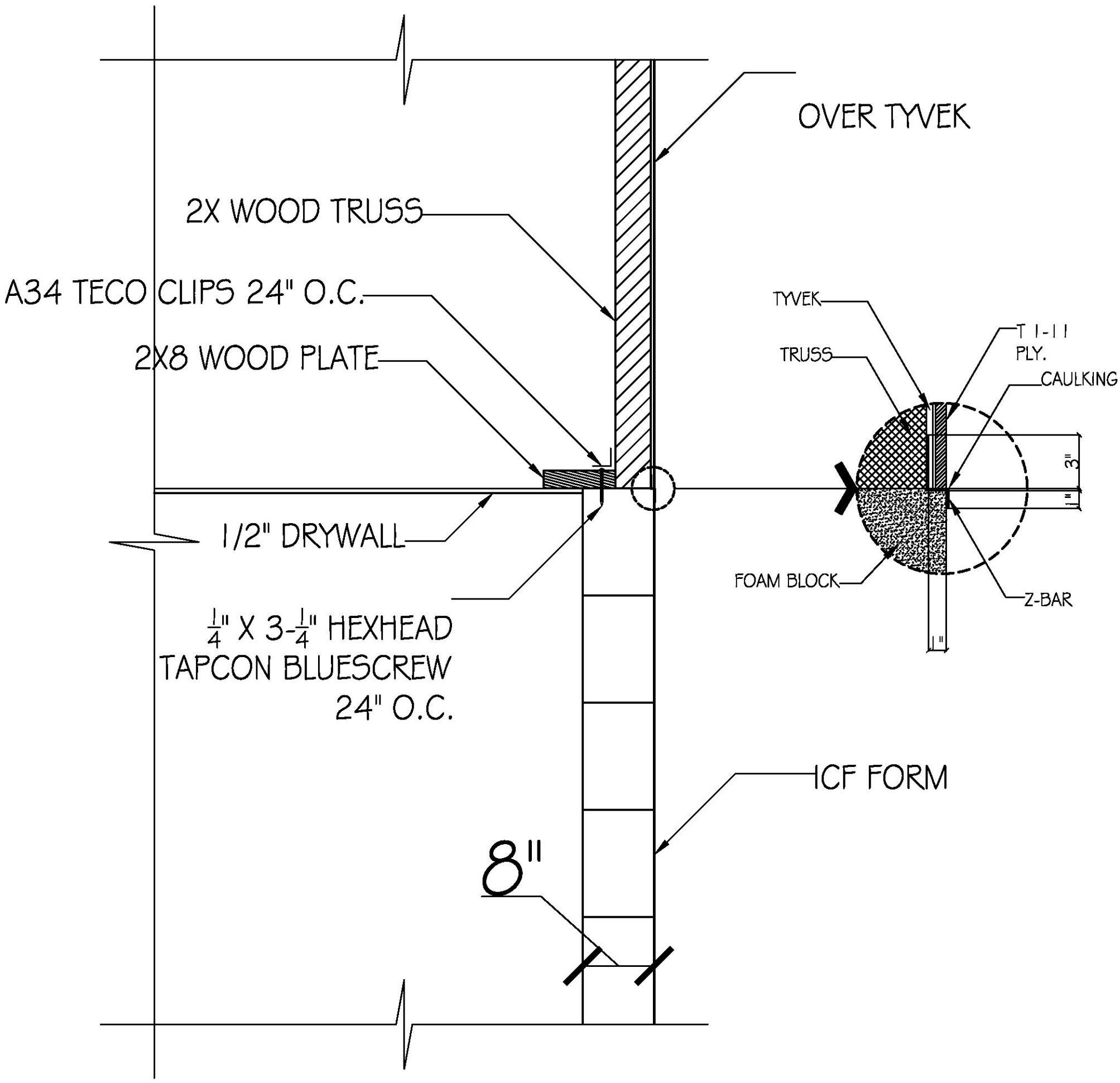
DATE: 8/30/2007

DES. BY: MJ

SEQ.: 3596871

WARNINGS:
1. Read all General Notes and Warnings before construction of trusses.
2. Builder and erection contractor should be advised of all General Notes and Warnings before construction commences.
3. 2x4 compression web bracing must be installed where shown +.
4. All lateral force resisting elements such as temporary and permanent bracing must be designed and provided by designer of complete structure. CompuTrus assumes no responsibility for such bracing.
5. No load should be applied to any component until after all bracing and fasteners are complete, and at no time should any loads greater than design loads be applied to any component.
6. CompuTrus has no control over and assumes no responsibility for the fabrication, handling, shipment and installation of components.
7. This design is furnished subject to the limitations on truss designs set forth by TPI in HIB-91 or TPI/WTCA in BCSI 1-03 copies of which will be furnished by CompuTrus upon request.

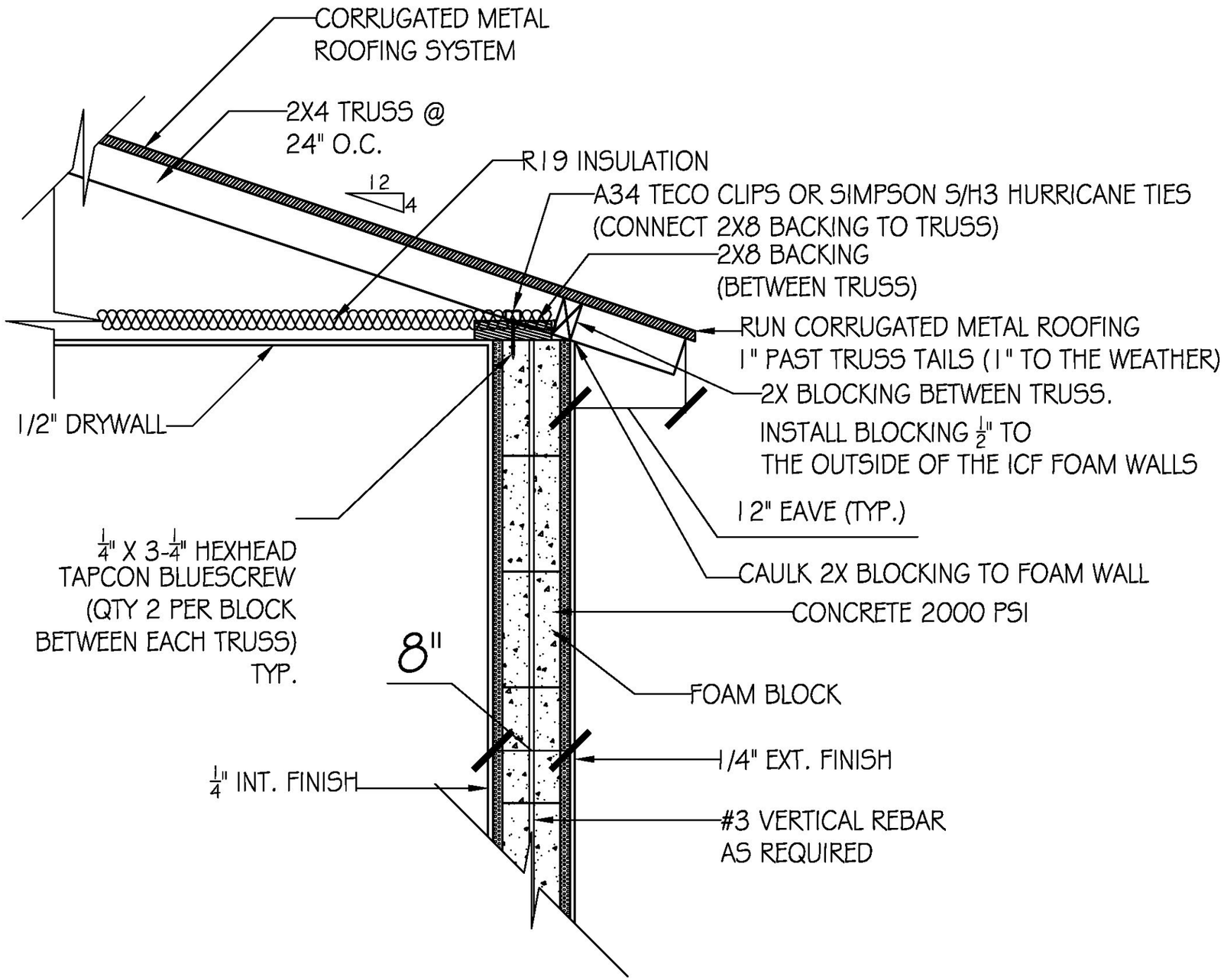
General Notes, unless otherwise noted:
1. Design to support loads as shown.
2. Design assumes the top and bottom chords to be laterally braced at 2'-0" o.c. and at 10'-0" o.c. respectively unless braced throughout their length by continuous sheathing.
3. 2x Impact bridging or lateral bracing required where shown + +.
4. Installation of truss is the responsibility of the respective contractor.
5. Design assumes trusses are to be used in a non-corrosive environment, and are for "dry condition" of use.
6. Design assumes full bearing at all supports shown. Shim or wedge if necessary.
7. Design assumes acequate drainage is provided.
8. Plates shall be located on both faces of truss, and placed so their center lines coincide with joint center lines.
9. Digits indicate size of plate in inches.
10. For basic design values of the CompuTrus Plate, indicated by the prefix "C", see I.C.B.O. R.R. 4211.
11. The CompuTrus Net Section Plate is indicated by the prefix "CN", the designator (16) indicates 16 ga. material is used. All others are 20 ga.



DETAIL 1

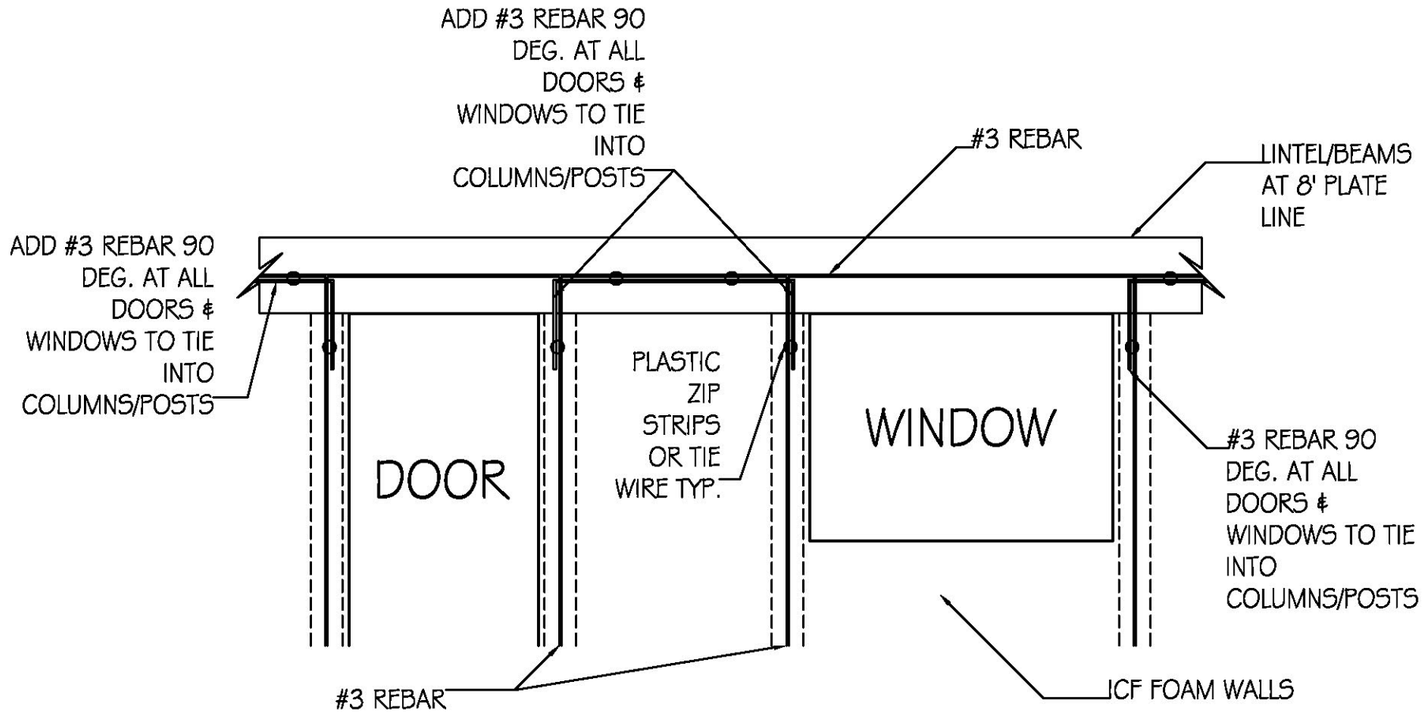
SCALE: 1/2" = 1'-0"

PG. 16



DETAIL 2

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



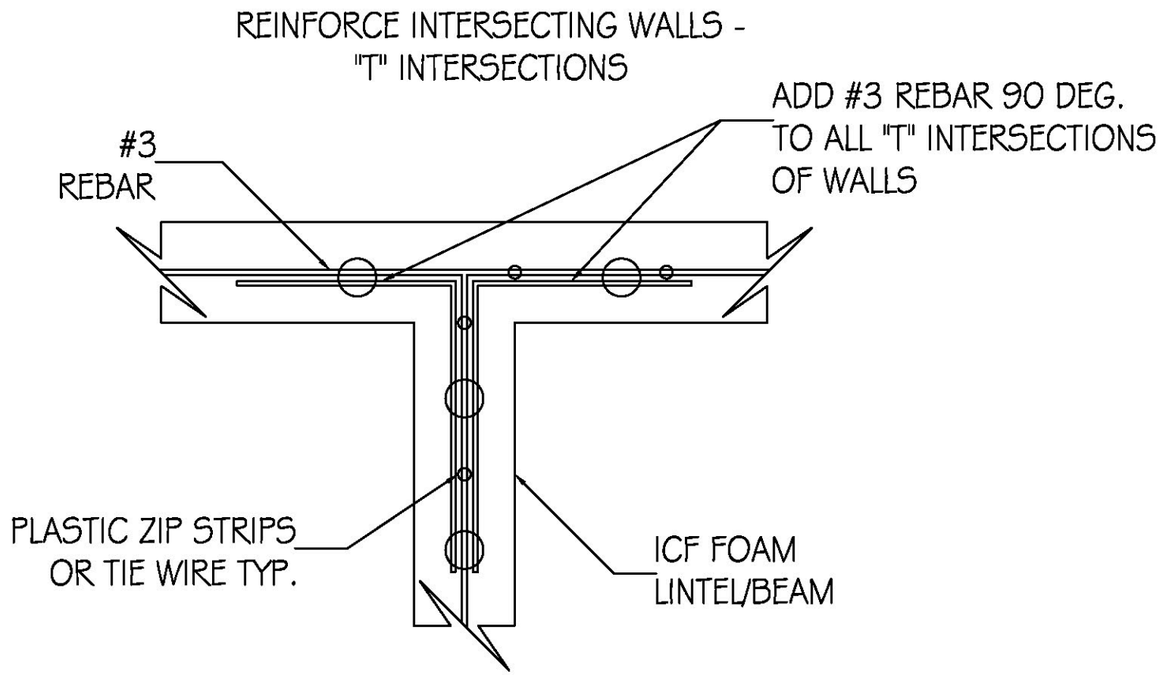
90 DEG. #3 REBAR TO TIE IN WALL COLUMNS TO LINTELS/BEAMS

NOTE: DASHED LINES ¦ ¦ DESIGNATE CONCRETE COLUMN/KING STUD AT ALL DOORS AND WINDOWS

NOTE: ALL 90 DEG. #3 REBAR PER DETAILS #4, 5 AND 6 TO BE 18" EACH SIDE/LEG.

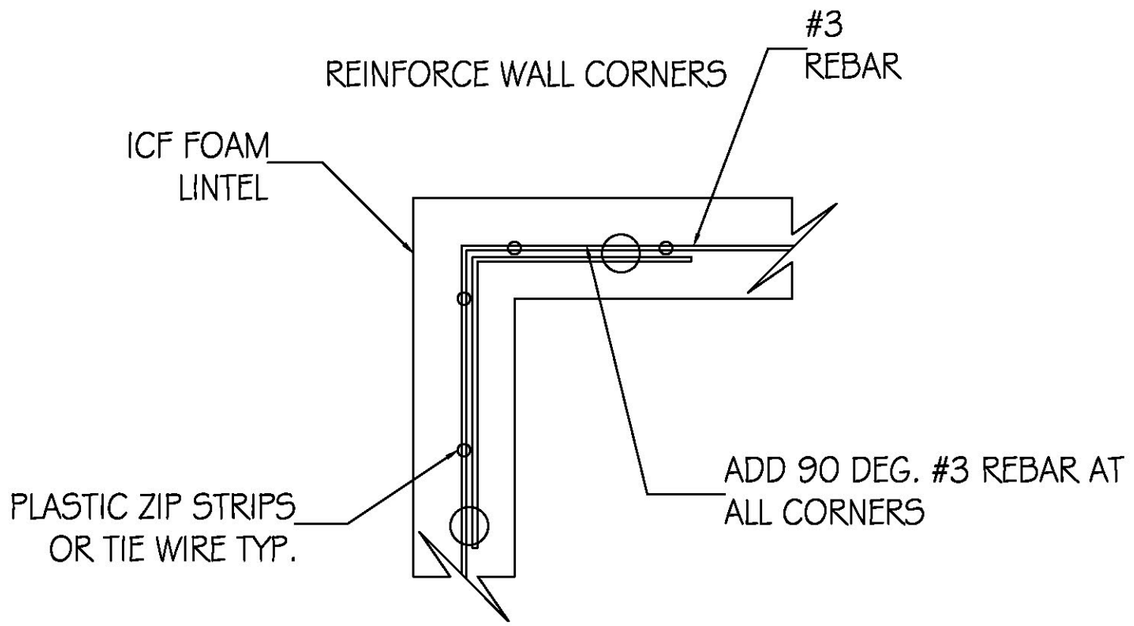
DETAIL 4

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



DETAIL 5
(PLAN VIEW)

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



INSIDE/OUTSIDE CORNERS 90 DEG. #3 REBAR TO
TIE IN WALLS AT 4' AND 8' HIGH BEAM/LINTELS

DETAIL 6
(PLAN VIEW)

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

CompuTrus Inc.

Trans ID: 215847
+7.4.0T(1L)-E

LUMBER SPECIFICATIONS

SIZE	SPECIE	GRADE	PANEL(S)
		TOP CHORDS:	
2x 4	HF	#2	1- 4
		BOTTOM CHORDS:	
2x 4	HF	#2	1- 3
		WEBS:	
2x 4	HF	STD/STUD	1- 4

TC LATERAL SUPPORT <= 12"OC. UON.
BC LATERAL SUPPORT <= 12"OC. UON.

TRUSS SPAN 24'- 0.0"
LOAD DURATION INCREASE = 1.25
SPACED 24.0" O.C.

LOADING
LL(16.0)+DL(10.0) ON TOP CHORD = 26.0 PSF
DL ON BOTTOM CHORD = 7.0 PSF
TOTAL LOAD = 33.0 PSF

UBC 97/TPI SINGLE MEMBER FORCES 4WR(GDF)

T 1=	-1838	B 1=	1693	W 1=	-346
T 2=	-1599	B 2=	1115	W 2=	512
T 3=	-1599	B 3=	1693	W 3=	512
T 4=	-1838			W 4=	-346

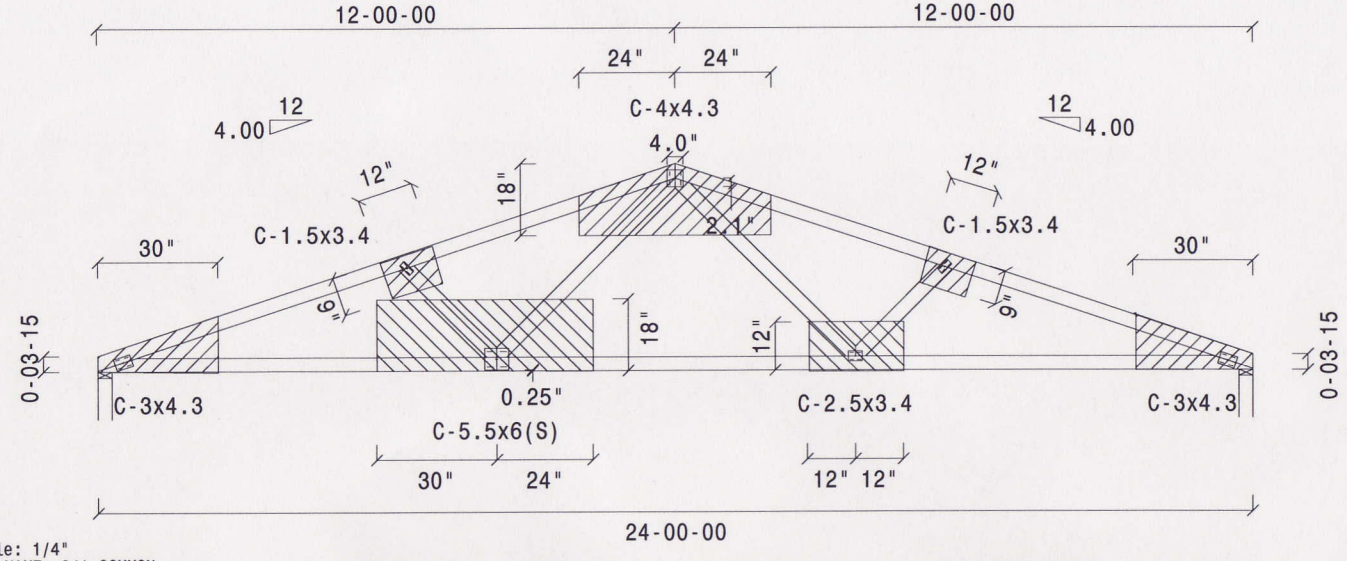
BEARINGS

LOCATION	REACTION	REQ'D AREA (SQ. IN.)	
0'- 0.0"	792	1.96	HF (405)
24'- 0.0"	792	1.96	HF (405)

MAX LL DEFL = -0.097" (L/2896) @ 12'- 0.0" L/240 = 1.171"
MAX TL DEFL = -0.198" (L/1419) @ 15'- 8.8" L/180 = 1.561"
MAX HORIZ. LL DEFL = 0.031" @ 23'- 8.5"
MAX HORIZ. TL DEFL = 0.062" @ 23'- 8.5"

Max member CSI					
T1	0.40	B1	0.53	W1	0.09
T2	0.37	B2	0.43	W2	0.22
T3	0.37	B3	0.53	W3	0.22
T4	0.40			W4	0.09

FIELD REPAIR TO CONSTRUCT TRUSS IN FIELD. IN LIEU OF PLATES SHOWN, PROVIDE 1/2" CDX PLYWOOD OR STRUCTURAL OSB TO EACH FACE CONNECTED WITH 10d NAILS STAGGERED AND CLINCHED AT 2"oc NET THROUGHOUT.



Scale: 1/4"
JOB NAME: 24' COMMON

FILE NO.: 24 COMMON

DATE: 8/30/2007

DES. BY: MJ

SEQ.: 3596870

WARNINGS:

1. **Read all General Notes and Warnings before construction of trusses.**
2. **Builder and erection contractor should be advised of all General Notes and Warnings before construction commences.**
3. **2x4 compression web bracing must be installed where shown +.**
4. **All lateral force resisting elements such as temporary and permanent bracing, must be designed and provided by designer of complete structure. CompuTrus assumes no responsibility for such bracing.**
5. **No load should be applied to any component until after all bracing and fasteners are complete, and at no time should any loads greater than design loads be applied to any component.**
6. **CompuTrus has no control over and assumes no responsibility for the fabrication, handling, shipment and installation of components.**
7. **This design is furnished subject to the limitations on truss designs set forth by TPI in HIB-91 or TPI/WTCA in BCSI 1-03 copies of which will be furnished by CompuTrus upon request.**

General Notes, unless otherwise noted:

1. Design to support loads as shown.
2. Design assumes the top and bottom chords to be laterally braced at 2'-0" o.c. and at 10'-0" o.c. respectively unless braced throughout their length by continuous sheathing.
3. 2x Impact bridging or lateral bracing required where shown + +
4. Installation of truss is the responsibility of the respective contractor.
5. Design assumes trusses are to be used in a non-corrosive environment, and are for "dry condition" of use.
6. Design assumes full bearing at all supports shown. Shim or wedge if necessary.
7. Design assumes adequate drainage is provided.
8. Plates shall be located on both faces of truss, and placed so their center lines coincide with joint center lines.
9. Digits indicate size of plate in inches.
10. For basic design values of the CompuTrus Plate, indicated by the prefix "C", see I.C.B.O. R.R. 4211.
11. The CompuTrus Net Section Plate is indicated by the prefix "CN", the designator (18) indicates 18 ga. material is used. All others are 20 ga.