GENERAL NOTES AND SPECIFICATIONS

ABBREVIATIONS

ACC.	=	ACCESS
BWL.	=	BRACED WALL LINE
BWP.	=	BRACED WALL PANEL
C.O.	=	CASED OPENING
C.J.	=	CEILING JOIST
CLOS.	=	CLOSET
COL.	=	COLUMN
COMP.	=	COMPOSITION
CONC.	=	CONCRETE
CONT.	=	CONTINUOUS
C.M.A.	=	CARBON MONOXIDE ALARM
C.M.U.	=	CONCRETE MASONRY UNIT
D.H.	=	DOUBLE HUNG
DIA.	=	DIAMETER
D.J.	=	DOUBLE JOIST
DN.	=	DOWN
EXH.	=	EXHAUST
EXT.	=	EXTERIOR
FL.J.	=	FLOOR JOIST
FTG.	=	FOOTING
G.F.I.	=	GROUND FAULT INTERRUPTER
H.B.	=	HOSE BIB
LVL	=	LAMINATED VENEER LUMBER
M.O.	=	MASONRY OPENING
MAS.	=	MASONRY
MAX.	=	MAXIMUM
M.C.	=	MEDICINE CABINET
MTL.	=	METAL
MIN.	=	MINIMUM
O.C.	=	ON CENTER
OSB	=	ORIENTED STRAND BOARD
PERF.	=	PERFORATED
REC.	=	RECESSED
REINF.	=	REINFORCED
SCR.	=	SCREENED
S.D.	=	SMOKE DETECTOR
SEC.	=	SECOND
SHWR.	=	SHOWER
S.Y.P.	=	SOUTHERN YELLOW PINE
S.P.F.	=	SPRUCE/PINE/FIR
SUSP.	=	SUSPENDED
TYP.	=	TYPICAL
U.O.N.	=	UNLESS OTHERWISE NOTED
WASH.	=	WASHER
W.H.	=	WATER HEATER
W.P.	=	WEATHER PROOF
W.W.M.	=	WELDED WIRE MESH
WDW. HT.	=	WINDOW HEIGHT
WD.	=	WOOD

SYMBOLS

	=	HOSE BIB
S	=	SWITCH
S_3	=	3-WAY SWITCH
	=	LIGHT FIXTURE
	=	EXHAUST FAN & LIGHT
	=	SMOKE DETECTOR
	=	SHOWER HEAD
	=	TELEPHONE JACK
	=	CONVENIENCE OUTLET
	=	220 VOLT OUTLET
	=	GROUND FAULT INTERRUPTER
	=	CEILING FAN
C	=	CARBON MONOXIDE ALARM

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ORIGINAL PURCHASE AGREEMENT

SEE ATTACHED CONSTRUCTION LICENSE FOR INVOICE NUMBER 13429.

BUILDING CODE INFORMATION

THIS PLAN HAS BEEN DRAWN TO CONFORM TO THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION (2015 INTERNATIONAL RESIDENTIAL CODE FOR ONE- AND TWO-FAMILY DWELLINGS, CURRENT EDITION) WITH AMENDMENTS UNLESS OTHERWISE NOTED. (SEE ATTACHMENTS)

PRIOR TO CONSTRUCTION

THE CONTRACTOR SHALL REVIEW THE PLAN(S) FOR THIS PARTICULAR BUILDING PROJECT TO ENSURE COMPLIANCE WITH ALL NATIONAL, STATE AND LOCAL CODES, CLIMATIC GEOGRAPHIC DESIGN CRITERIA, AND ANY OTHER PROVISIONS THAT MAY BE REQUIRED BY VA/FHA/RD.

THE CONTRACTOR SHALL VERIFY PLAN DIMENSIONS, STRUCTURAL COMPONENTS, AND GENERAL SPECIFICATIONS CONTAINED IN THIS SET OF PLANS AND REPORT ANY DISCREPANCIES TO STANDARD HOMES PLAN SERVICE, INC. FOR JUSTIFICATION OR CORRECTION BEFORE PROCEEDING WITH WORK ON HOUSE.

THE CONTRACTOR SHALL DETERMINE ROUGH OPENING SIZES FOR ALL BUILT-IN EQUIPMENT AND/OR FACILITIES AND ADJUST PLAN DIMENSIONS AS REQUIRED.

DO NOT SCALE FROM BLUEPRINTS. REFER TO THE LABELED DIMENSIONS FOR ACTUAL MEASUREMENTS.

IT SHALL BE THE RESPONSIBILITY OF THE OWNER/BUILDER TO PROVIDE FOR THE SERVICES OF A PROFESSIONAL ENGINEER IF REQUIRED BY THE BUILDING CODE OFFICIAL.

SHIPPING DATE : _____

STAMP MUST APPEAR IN RED. PLANS FOR WHICH A BUILDING PERMIT HAS NOT BEEN OBTAINED ONE YEAR FROM THE ABOVE DATE IS SUBJECT TO REVIEW BY STANDARD HOMES PLAN SERVICE, INC. A FEE MAY BE CHARGED FOR THIS SERVICE.

NOTICE TO CONTRACTOR
All construction must comply with current NC Building Codes and is subject to field inspection and verification.
APPROVED
Limited building only review
Permit holder responsible for full compliance with the code
12/29/2023
Harnett COUNTY NORTH CAROLINA

EXCAVATION

EXCAVATE TO UNDISTURBED SOIL. BOTTOM OF FOOTING SHALL EXTEND BELOW LOCAL FROST LINE AND TO A MINIMUM DEPTH OF 12" BELOW ADJACENT GRADE. (PRESUMED 2000 PSF SOIL BEARING CAPACITY).

EXPANSIVE, COMPRESSIVE OR SHIFTING SOILS SHALL BE REMOVED TO A DEPTH AND WIDTH SUFFICIENT TO ASSUME A STABLE MOISTURE CONTENT IN EACH ACTIVE ZONE.

FOUNDATION

PROVIDE 1/2" DIA. STEEL ANCHOR BOLTS 6'-0" O.C., 1'-0" MAX. FROM CORNERS AND 1'-0" MAX. FROM ENDS OF EACH PLATE SECTION, WITH 7" MIN. EMBEDMENT.

PROVIDE FOUNDATION WATERPROOFING AND DRAIN WITH POSITIVE SLOPE TO OUTLET AS REQUIRED BY SITE CONDITIONS.

SLOPE GRADE AWAY FROM FOUNDATION WALLS 6" MINIMUM WITHIN THE FIRST 10 FEET.

PROVIDE PRESSURE TREATED LUMBER FOR SILLS, PLATES, BANDS AND ANY LUMBER IN CONTACT WITH MASONRY.

PROVIDE APPROVED AND BONDED CHEMICAL SOIL TREATMENT AGAINST FUNGUS, TERMITES AND OTHER HARMFUL INSECTS.

CRAWL SPACE

ALL GIRDER JOINTS AND ENDS OF GIRDERS SHALL REST ON SOLID BEARINGS. FILL CORES OF HOLLOW MASONRY TO FOOTING WITH CONCRETE. FILL TOP COURSE CORES OF EXTERIOR FOUNDATION WALL WITH CONCRETE.

FOOTINGS SHALL EXTEND 6" AND SHALL BE 12" THICK UNDER GIRDER PIERS.

CHIMNEY FOOTING SHALL EXTEND 12" MINIMUM BEYOND EACH SIDE AND SHALL BE AT LEAST 12" THICK.

BASEMENT

ALL GIRDER JOINTS SHALL BREAK ON COLUMN CENTER LINES (STAGGERED) AND ENDS OF GIRDERS SHALL REST ON SOLID MASONRY.

DOUBLE SILL AND USE LEDGER OVER ALL BASEMENT OPENINGS.

ALL BASE. SASH SHALL BE 18/20 2-LT. 3'-3 7/8" X 1'-11 15/16" 3420 HB.

FRAMING

ALL FLOOR JOISTS, CEILING JOISTS, RAFTERS, GIRDERS, HEADERS, SILLS AND BEAMS SHALL BE NO. 2 SPRUCE/PINE/FIR (S.P.F.) UNLESS OTHERWISE INDICATED.

ALL LOAD BEARING WALLS SHALL BE STUD GRADE SPRUCE/PINE/FIR (S.P.F.) UNLESS OTHERWISE INDICATED.

DESIGN SPECIFICATIONS FOR LAMINATED VENEER LUMBER (LVL) BEAMS AND HEADERS :

GRADE : 2950Fb-2.0E
BENDING Fb : 2950
MOE : 2.0 X 10^6
SHEAR Fv : 290

SUPPORT FOR HEADERS:

HEADERS SHALL BE SUPPORTED ON EACH END WITH ONE OR MORE JACK STUDS OR WITH APPROVED FRAMING ANCHORS IN ACCORDANCE WITH BUILDING CODE (SEE PLAN). THE FULL-HEIGHT STUD ADJACENT TO EACH END OF THE HEADER SHALL BE END NAILED TO EACH END OF THE HEADER WITH FOUR-16D NAILS. SEE TABLE BELOW.

MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS:

HEADER SPAN (FEET)	MAXIMUM STUD SPACING (INCHES	
	16	24
3 FEET OR LESS	1	1
4 FT.	2	1
8 FT.	3	2
12 FT.	5	3
16 FT.	6	4

CLIMATIC AND GEOGRAPHICAL DESIGN CRITERIA

ROOF LIVE LOAD (POUNDS PER SQUARE FOOT) : 20 PSF

ULTIMATE DESIGN WIND SPEED (MILES PER HOUR) : 120 MPH
NOMINAL DESIGN WIND SPEED : 93 MPH

EXPOSURE CATEGORY "B" UNLESS OTHERWISE NOTED

WINDOW DESIGN PRESSURE RATING : DP 25

COMPONENT AND CLADDING LOADS FOR A BUILDING WITH A MEAN ROOF HEIGHT OF 30 FEET OR LESS:

PRESSURE ZONE	ULTIMATE DESIGN WIND SPEED (MPH)			
	115	120	130	140
ZONE 1	13.1, -14.0	14.2, -15.0	16.7, -18.0	19.4, -21.0
ZONE 2	13.1, -16.0	14.2, -18.0	16.7, -21.0	19.4, -24.0
ZONE 3	13.1, -16.0	14.2, -18.0	16.7, -21.0	19.4, -24.0
ZONE 4	14.3, -15.0	15.5, -16.0	18.2, -19.0	21.2, -22.0
ZONE 5	14.3, -19.0	15.5, -20.0	18.2, -24.0	21.2, -28.0

ASSUMED MEAN ROOF HEIGHT: 16'-11"

SEISMIC CONDITION BY ZONE : ZONES A AND B

SUBJECT TO DAMAGE FROM WEATHERING : MODERATE

CLIMATE ZONES (UNLESS OTHERWISE NOTED): ZONES 3 AND 4
MINIMUM VALUES FOR ENERGY COMPLIANCE:
CEILING R-38; EXTERIOR WALLS R-15; FLOORS R-19
WINDOW U-FACTOR ≤ 0.35; RECOMMENDED SHGC ≤ 0.30

MISCELLANEOUS

LOCATE ALL CONVENIENCE OUTLETS ABOVE KITCHEN BASE CABINETS 42" ABOVE FINISHED FLOOR.

EMERGENCY EGRESS REQUIREMENTS

IT SHALL BE THE RESPONSIBILITY OF THE OWNER/BUILDER TO VERIFY CONFORMITY WITH EGRESS REQUIREMENTS BASED ON SPECIFICATIONS PROVIDED BY WINDOW MANUFACTURER.

2018 NORTH CAROLINA RESIDENTIAL CODE

THE REQUIRED EGRESS WINDOW FROM EVERY SLEEPING ROOM SHALL HAVE A SILL HEIGHT OF NOT MORE THAN 44 INCHES ABOVE FINISHED FLOOR. THE NET CLEAR OPENING SHALL NOT BE LESS THAN 4.0 SQUARE FEET WHERE THE NET CLEAR OPENING HEIGHT SHALL BE AT LEAST 22 INCHES AND THE NET CLEAR OPENING WIDTH SHALL BE AT LEAST 20 INCHES. IN ADDITION THE MINIMUM TOTAL GLASS AREA SHALL NOT BE LESS THAN 5.0 SQUARE FEET IN THE CASE OF A GROUND STORY WINDOW AND NOT LESS THAN 5.7 SQUARE FEET IN THE CASE OF A SECOND STORY WINDOW.

2015 INTERNATIONAL RESIDENTIAL CODE

THE REQUIRED EGRESS WINDOW FROM EVERY SLEEPING ROOM SHALL HAVE A SILL HEIGHT OF NOT MORE THAN 44 INCHES ABOVE FINISHED FLOOR. ALL EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING OF 5.7 SQUARE FEET EXCEPT GRADE FLOOR OPENINGS SHALL HAVE A MINIMUM NET OPENING OF 5 SQUARE FEET. THE MINIMUM NET CLEAR OPENING HEIGHT SHALL BE 24 INCHES. THE MINIMUM NET CLEAR OPENING WIDTH SHALL BE 20 INCHES

REVISED 11-28-23
TRUSS CONSTRUCTION

DESIGNED

Standard Homes Plan Service, Inc.
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SEE HOME DESIGN PREVIEWS ONLINE AT WWW.STANDARDHOMES.COM

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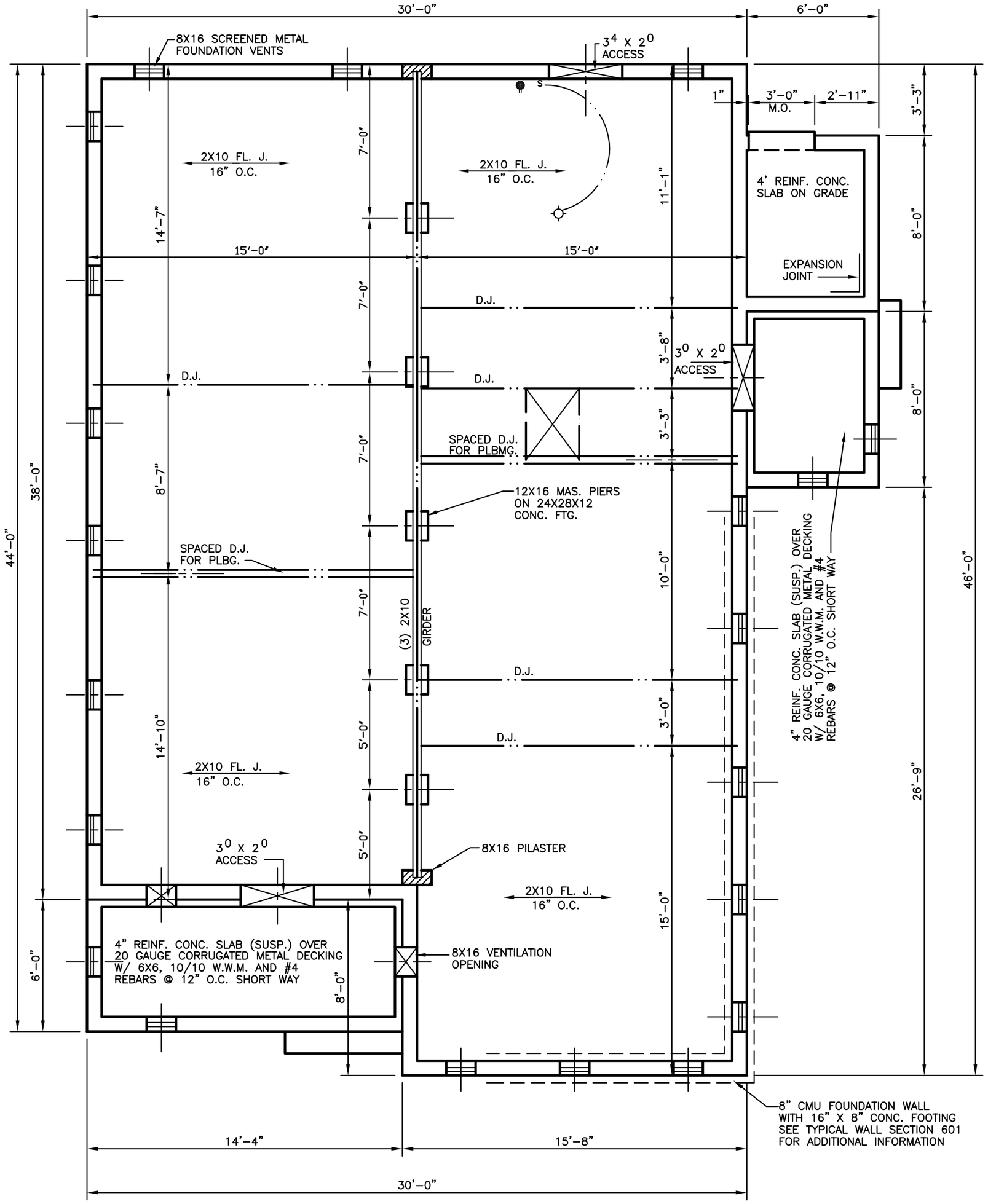
DESIGNED FOR	PLAN	NO.	MAT'L.	SHOWN	SHEET
	CHANDLER	2	SID.		1 OF 8



FOUNDATION PLAN

SCALE 1/4"=1'-0"

FOUNDATION VENTILATION REQUIREMENTS :

1399 SQ. FT. ÷– 150 = 9.33 SQ. FT. NET FREE AREA REQ'D.

PROVIDE 21 VENTS WITH A MINIMUM OF 64 SQUARE INCHES NET FREE AREA PER VENT.

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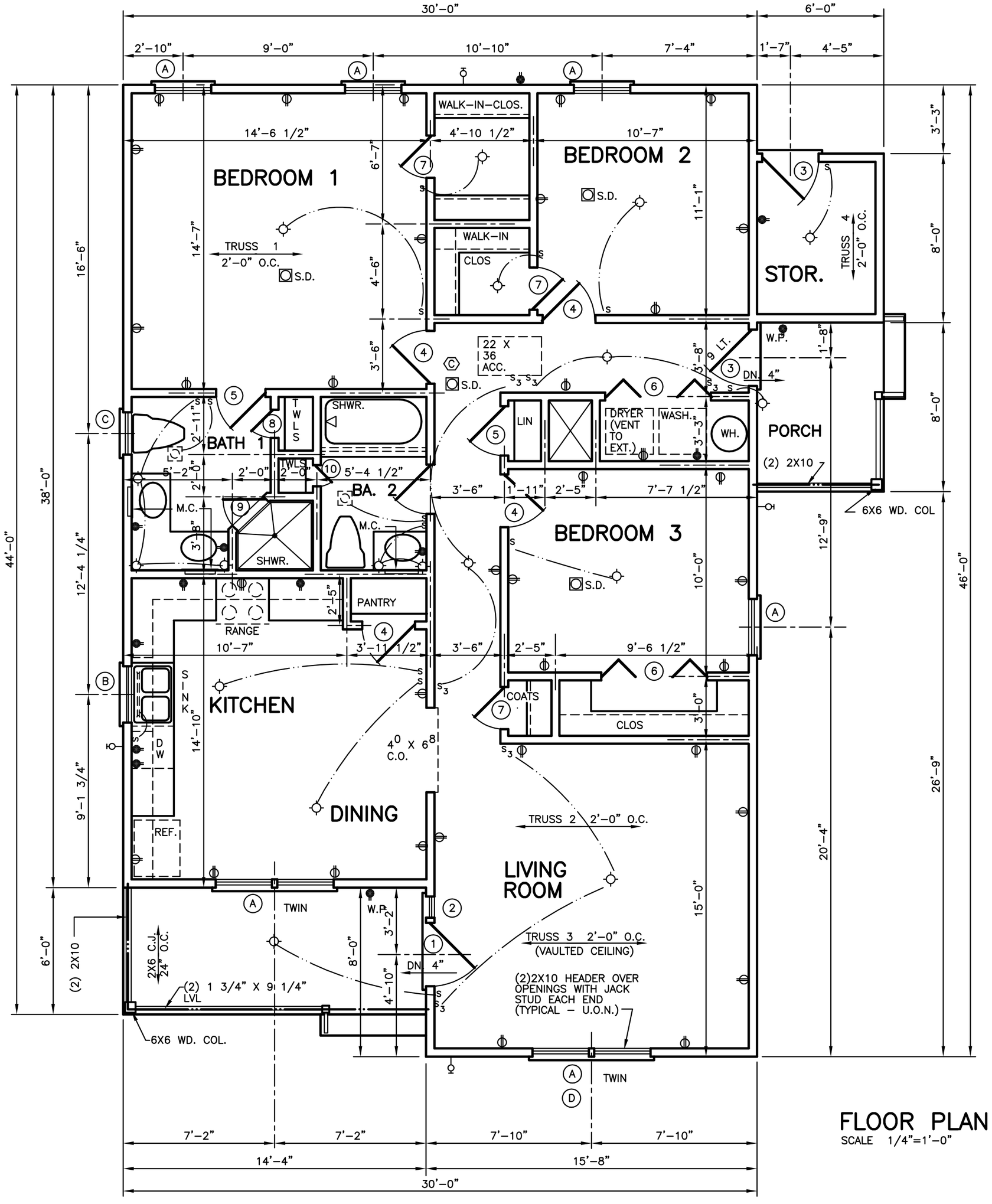
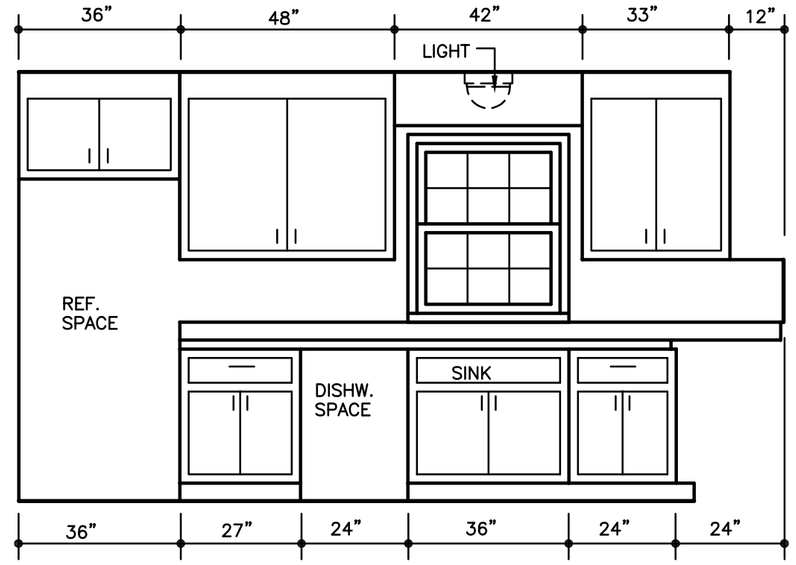


FLOOR PLAN
SCALE 1/4"=1'-0"

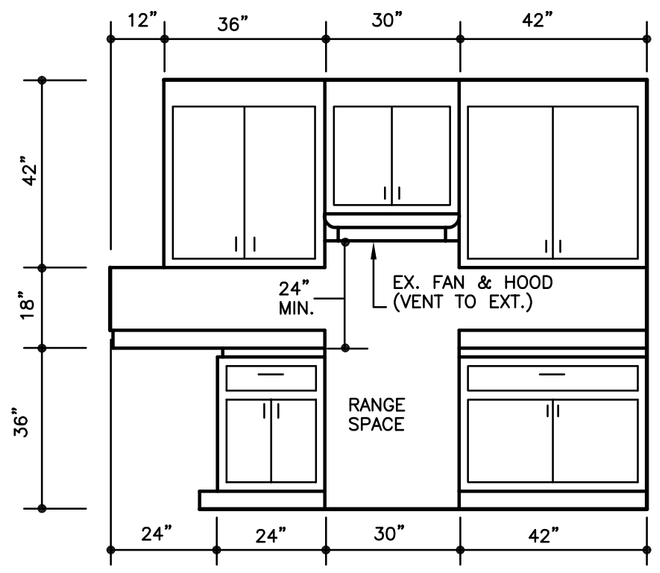
HEATED AREA: 1265 SQ. FT. IN SIDING
STORAGE & PORCHES: 182 SQ. FT.

KITCHEN CABINET ELEVATIONS
SCALE 3/8"=1'-0"

FOR SECTION THRU CABINETS, SEE DETAIL ON COVER SHEET.

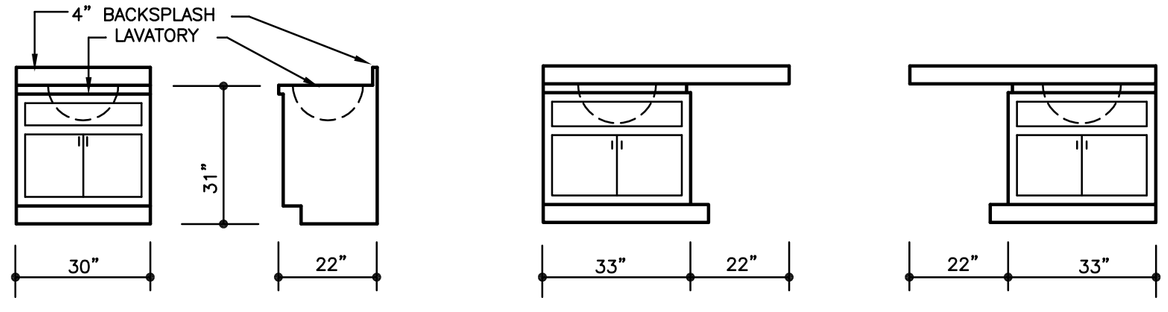


SINK SIDE



RANGE SIDE

VANITY DETAILS
SCALE 3/8' = 1'-0"



BATH 2 SECT. BATH 1

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WINDOW SCHEDULE

A	2'-8"X5'-2" WD. D.H.	D	ANDERSEN CTN28-2 5'-7 7/8" X 3'-0 1/2"	G		L	
B	2'-8"X3'-2" WD. D.H.	E		H		M	
C	2'-0"X3'-2" WD. D.H.	F		K		N	

DOOR SCHEDULE

1	3'-0"X 6'-8"X1 3/4"	4	2'-6"X 6'-8"X1 3/8"	7	2'-0"X 6'-8"X1 3/8"	10	1'-0"X 6'-8"X1 3/8"
2	SIDELITE 1'-0"X 6'-8"X1 3/4"	5	2'-4"X 6'-8"X1 3/8"	8	1'-4"X 6'-8"X1 3/8"	11	
3	2'-8"X 6'-8"X1 3/4"	6	BIFOLD 5'-0"X 6'-8"X1 3/8"	9	TEMP. GLASS SHWR. ENC.	12	

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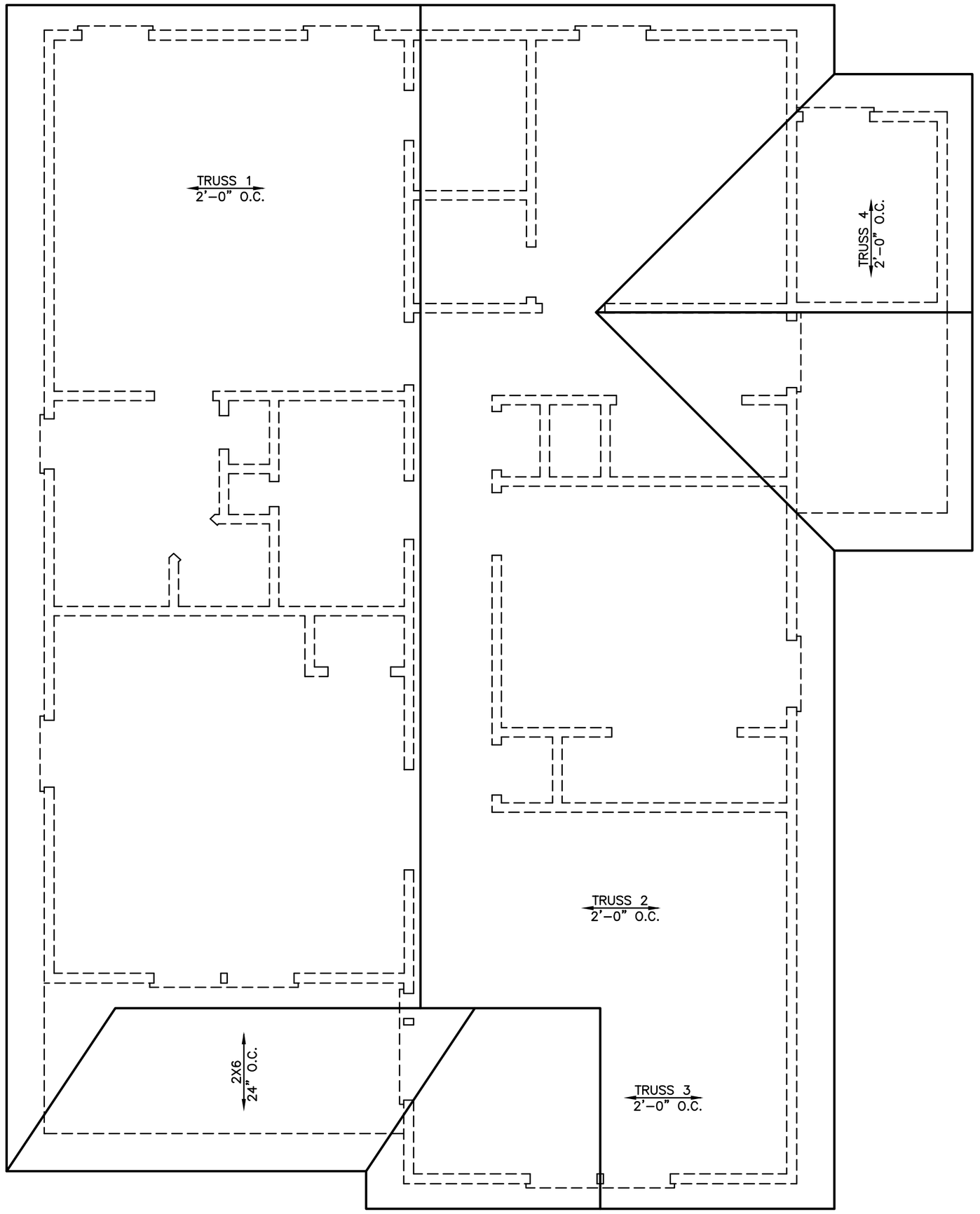
SHEET 3 OF 8

PLAN CHANDLER | NO. 2 | MATERIAL SID.



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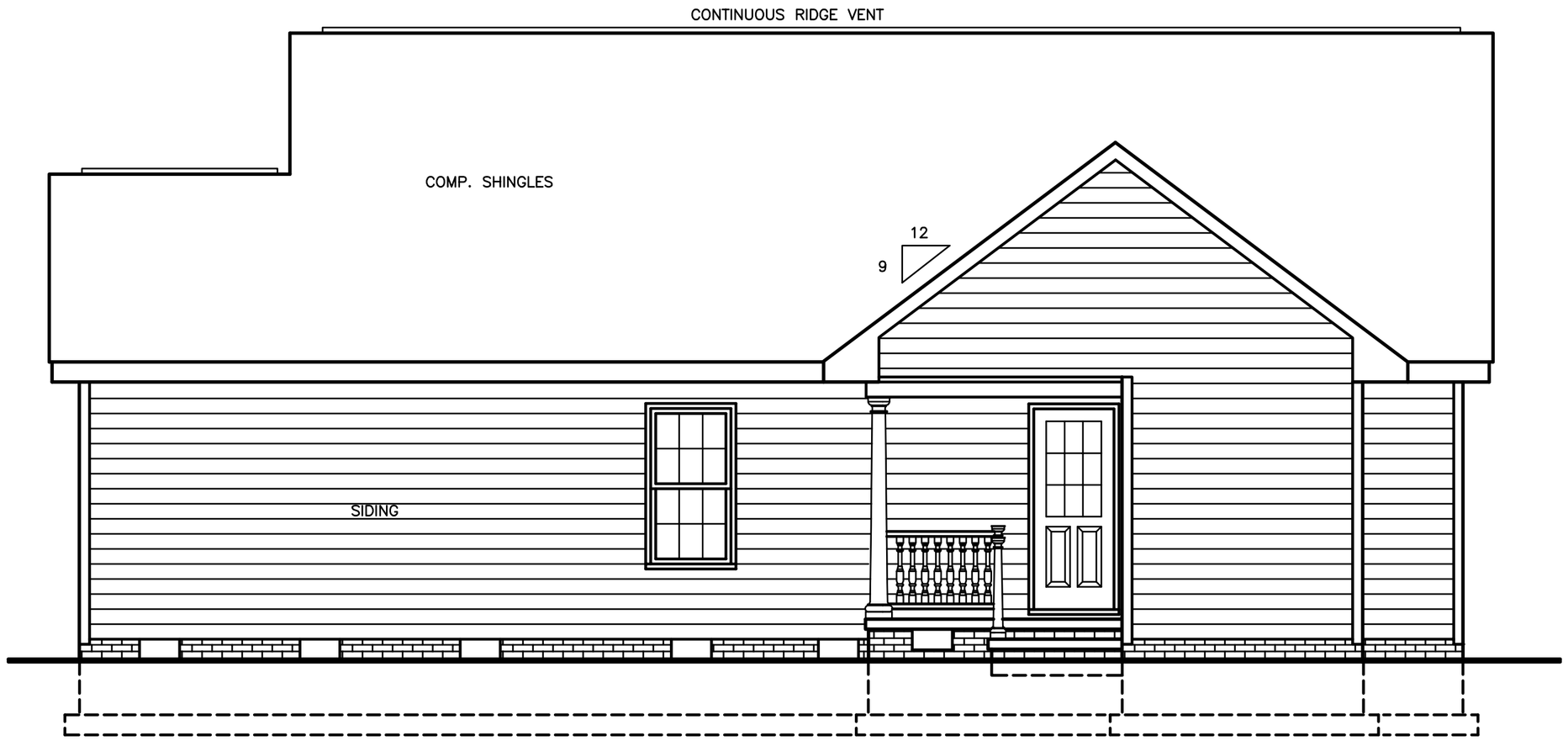
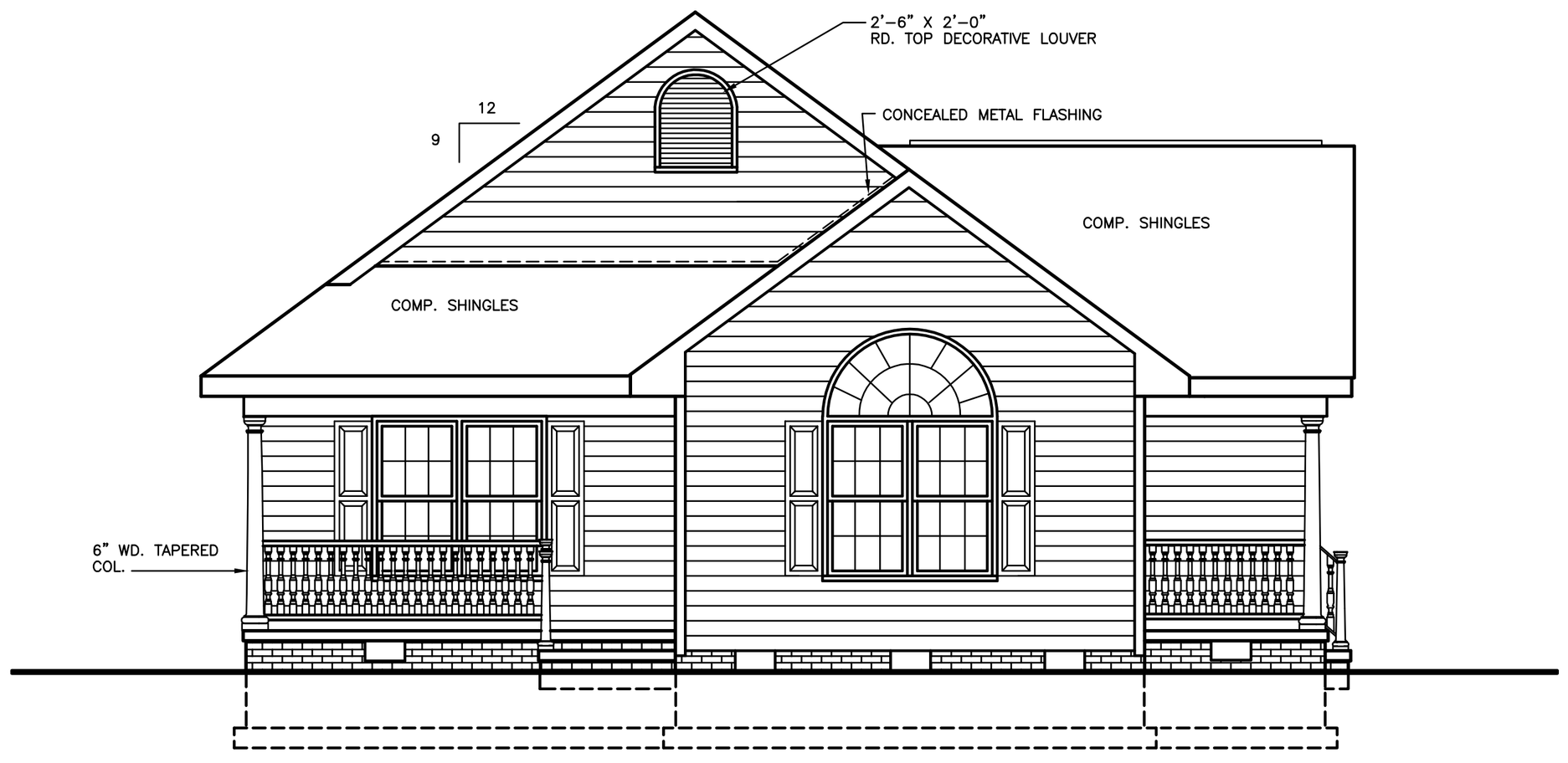
	CHANDLER	2	SID.		4 OF 8



RIGHT SIDE ELEVATION

PROVIDE GUTTERS, DOWNSPOUTS AND SPLASHPADS ACCORDING TO LOCAL CODE AND RAINFALL CONDITIONS.

ALL SPLASHPADS SHALL CARRY WATER 60" FROM BUILDING.



FRONT ELEVATION
SCALE 1/4' = 1'-0"

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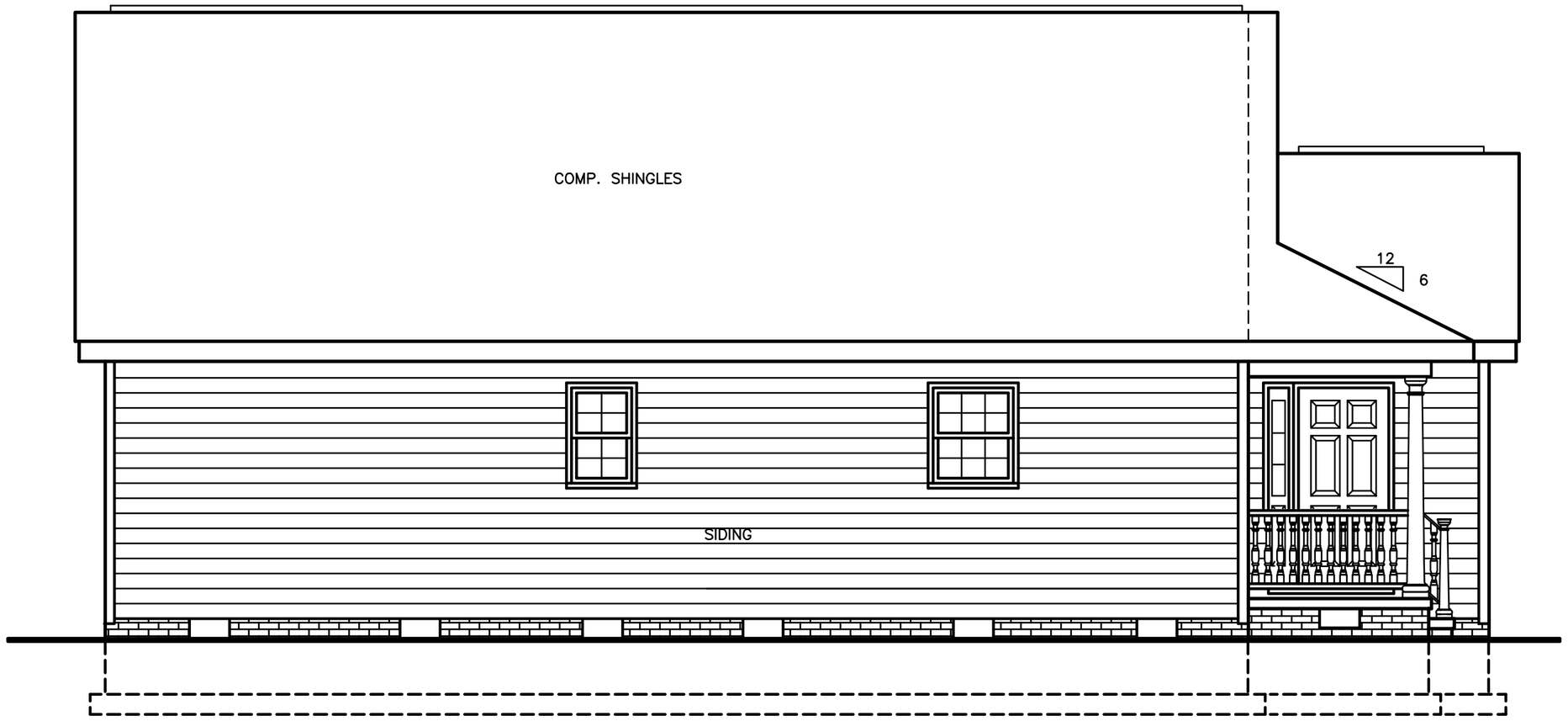
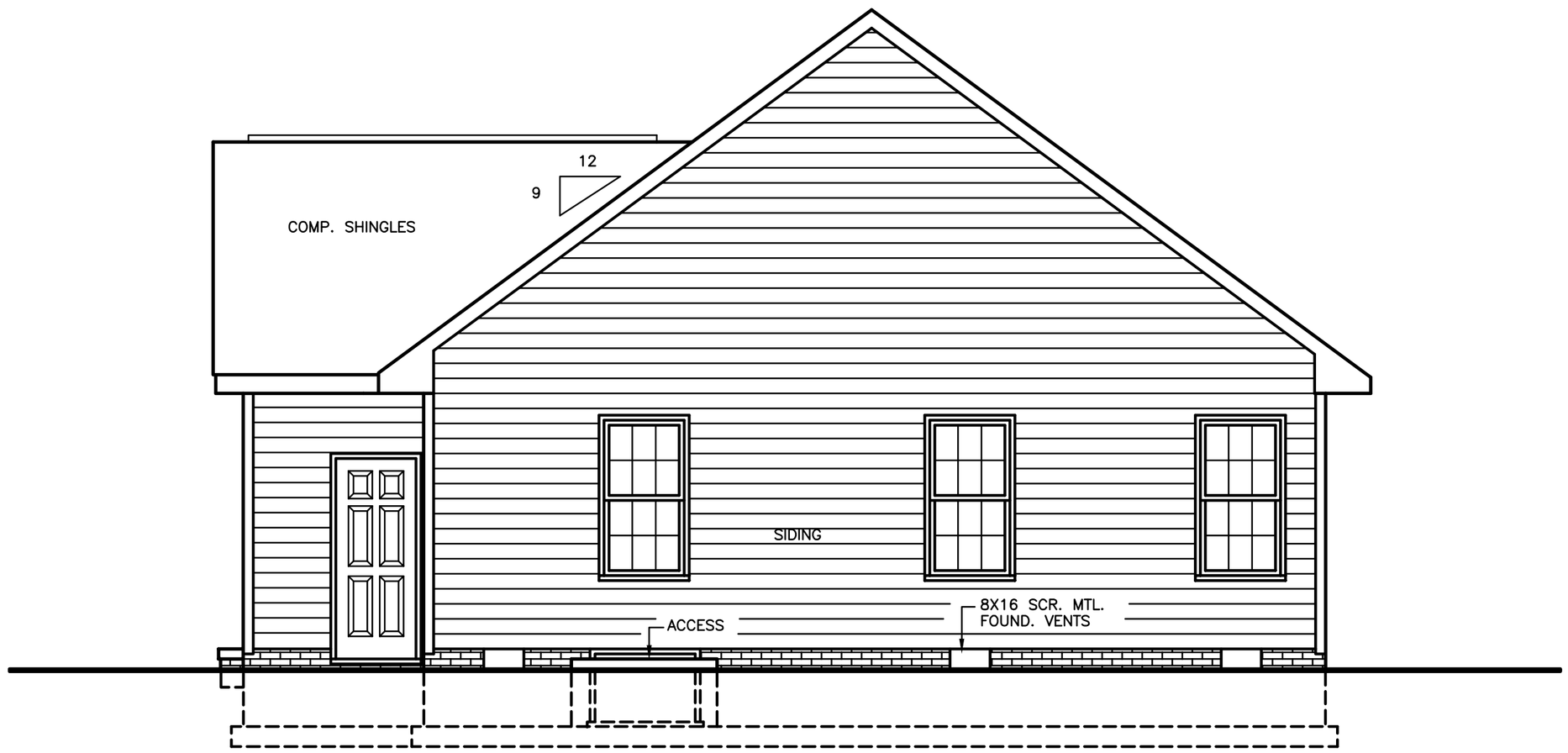
	CHANDLER	2	SID.		5 OF 8



LEFT SIDE ELEVATION



REAR ELEVATION
SCALE 1/4" = 1'-0"

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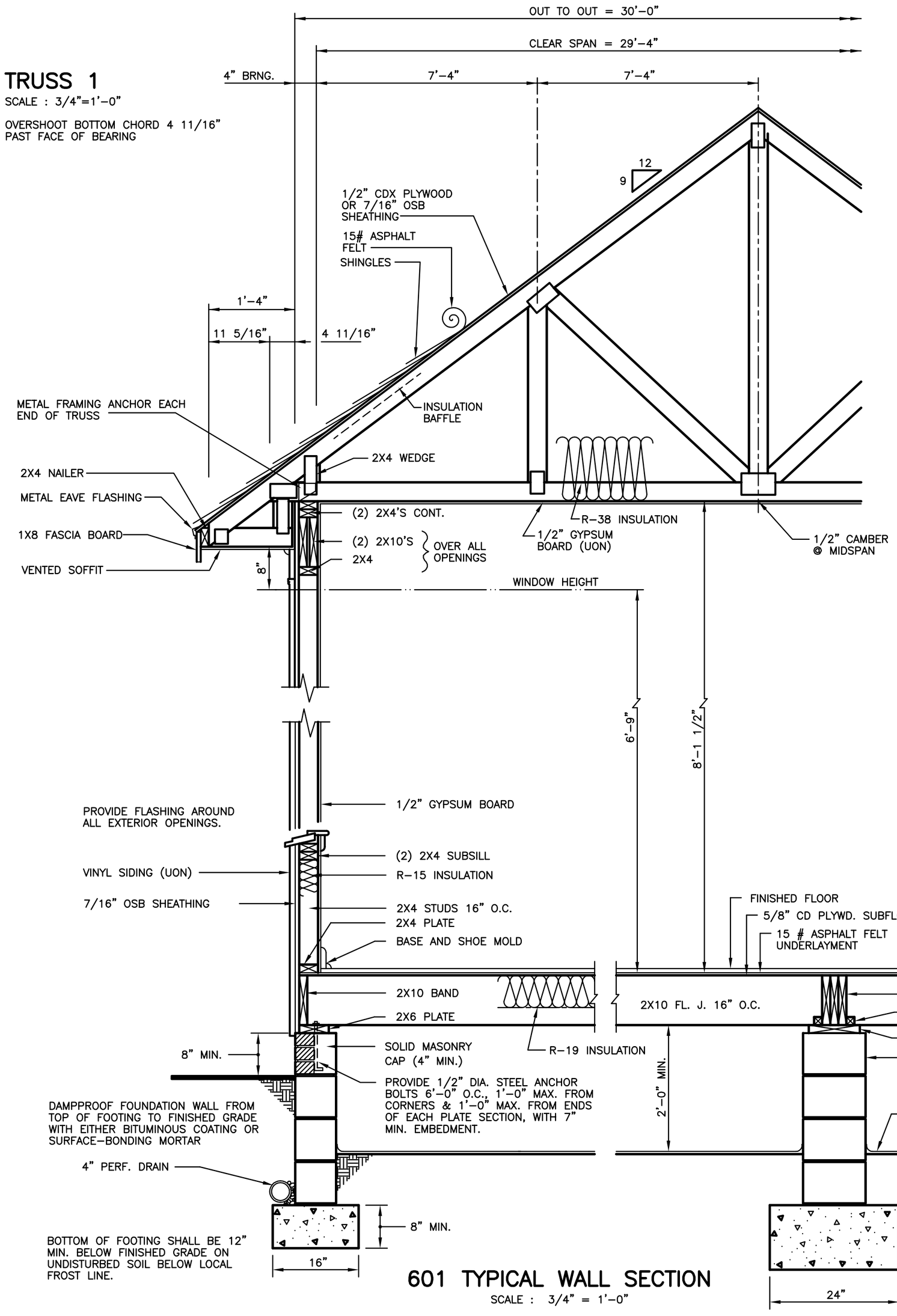
TRUSS 1

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

OVERSHOOT BOTTOM CHORD 4 11/16" PAST FACE OF BEARING



601 TYPICAL WALL SECTION

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

SECTION THRU GIRDER

TRUSS GENERAL NOTES

1. ALL TRUSSES SHALL BE FACTORY BUILT TO MEET THE REQUIREMENTS OF LOCAL CODES, CLIMATIC CONDITIONS, AND AGENCIES INVOLVED.
2. **LUMBER:** ALL LUMBER TO BE STRESS GRADED AND SO MARKED, AND SHALL BE OF A DIMENSION TO CARRY ALL DESIGN LOADS SAFELY ACCORDING TO SOUND ENGINEERING PRACTICE.
3. **CONNECTIONS:** SAFE WORKING LOAD SHALL BE DETERMINED BY TRUSS MANUFACTURER.
4. **DESIGN:** MANUFACTURER SHALL PROVIDE A TRUSS IN WHICH THE ALLOWABLE WORKING STRESSES HAVE BEEN INCREASED 33% FOR SHORT TIME LOADING CONDITIONS.
5. **CONNECTION PLATES** SHALL BE 20 GAUGE (MIN.) GALVINIZED STEEL, OF SUCH DESIGN AND SIZE TO PROVIDE A POSITIVE JOINT CONNECTION BETWEEN TWO OR MORE MEMBERS, AND TO SAFELY CARRY ANY COMBINED LOADS IMPOSED ON SAID JOINT. (TRUSS PLATES SHALL BE APPLIED ON BOTH SIDES OF JOINT.)
6. **FABRICATION:** ALL JOINTS SHALL BE ACCURATELY CUT FOR TRUE, FULL BEARING AND HELD FIRMLY IN PLACE UNTIL CONNECTION PLATE TEETH ARE INBED-DED IN WOOD.

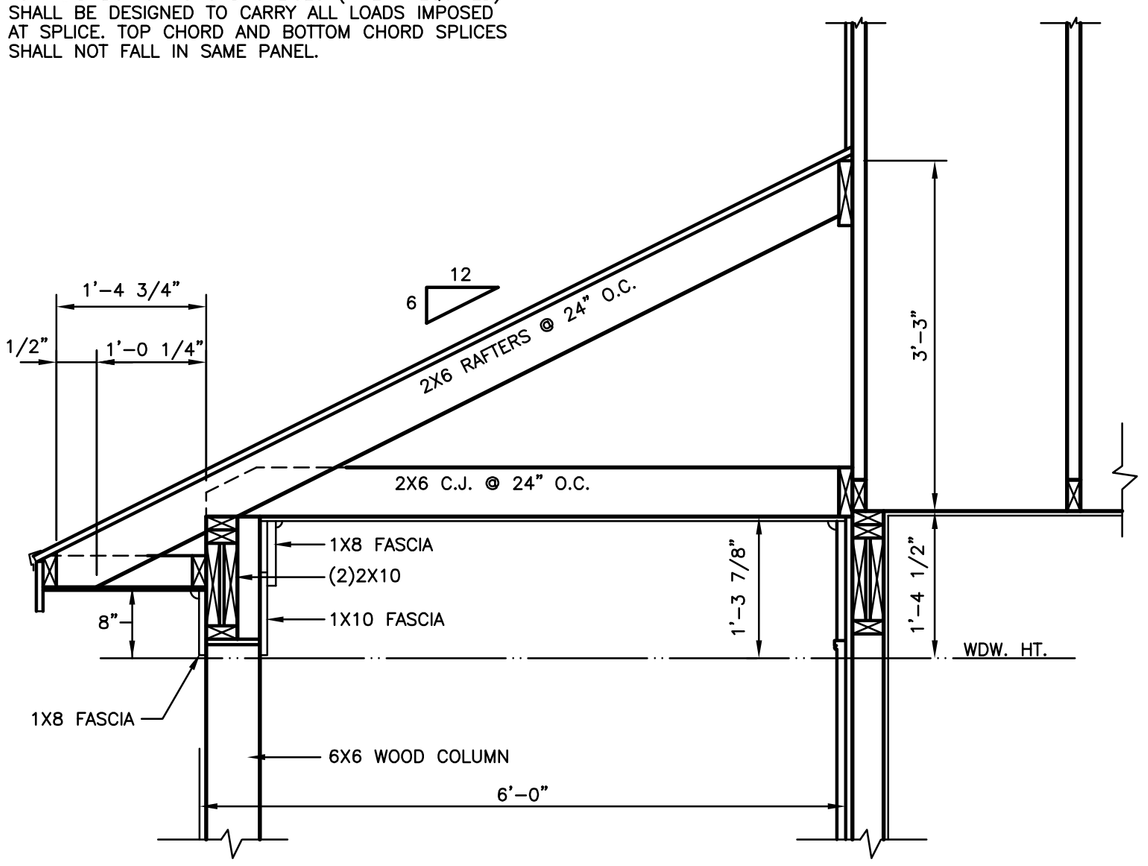
   KNOTTY WOOD WHICH WOULD REDUCE DESIGN CAPACITY, WILL NOT BE USED.

   TOP AND BOTTOM CHORD SHALL BE STRAIGHT AND TRUE-TO-LINE WITH A MINIMUM OF TWIST OR WARP.

   TOP AND BOTTOM CHORD SPLICES (WHEN REQUIRED) SHALL BE DESIGNED TO CARRY ALL LOADS IMPOSED AT SPLICE. TOP CHORD AND BOTTOM CHORD SPLICES SHALL NOT FALL IN SAME PANEL.
7. **NAILS** WHEN USED TO TEMPORARILY ALIGN PLATES PRIOR TO IMBEDMENT, SHALL BE 1 1/2" X 11" GAUGE "SCOTCH" NAILS OR EQUIVILENT.
8. **LOADS:** TOP CHORD D.L. & L.L. = 30 P.S.F.
   BOTTOM CHORD D.L. = 10 P.S.F.

   TOTAL LOAD = 40 P.S.F.

   LOADS SHOWN ARE AVERAGE. INCREASE OR DECREASE LOADS TO SUIT LOCAL CODES AND SOUND ENGINEERING PRACTICE.
9. **SPACING:** TRUSSES SHALL BE SPACED 2'-0" O.C. UNLESS OTHERWISE INDICATED.
10. **CEILING INSTALLATION :** INSTALL 1/2" GYPSUM BOARD PERPENDICULAR TO TRUSS DIRECTION. INSTALL 5/8" GYPSUM BOARD PERPENDICULAR TO TRUSS DIRECTION WHEN APPLYING WATER-BASED TEXTURED CEILING FINISH.



602 SECT. THRU FRONT PORCH

SCALE 3/4"=1'-0"

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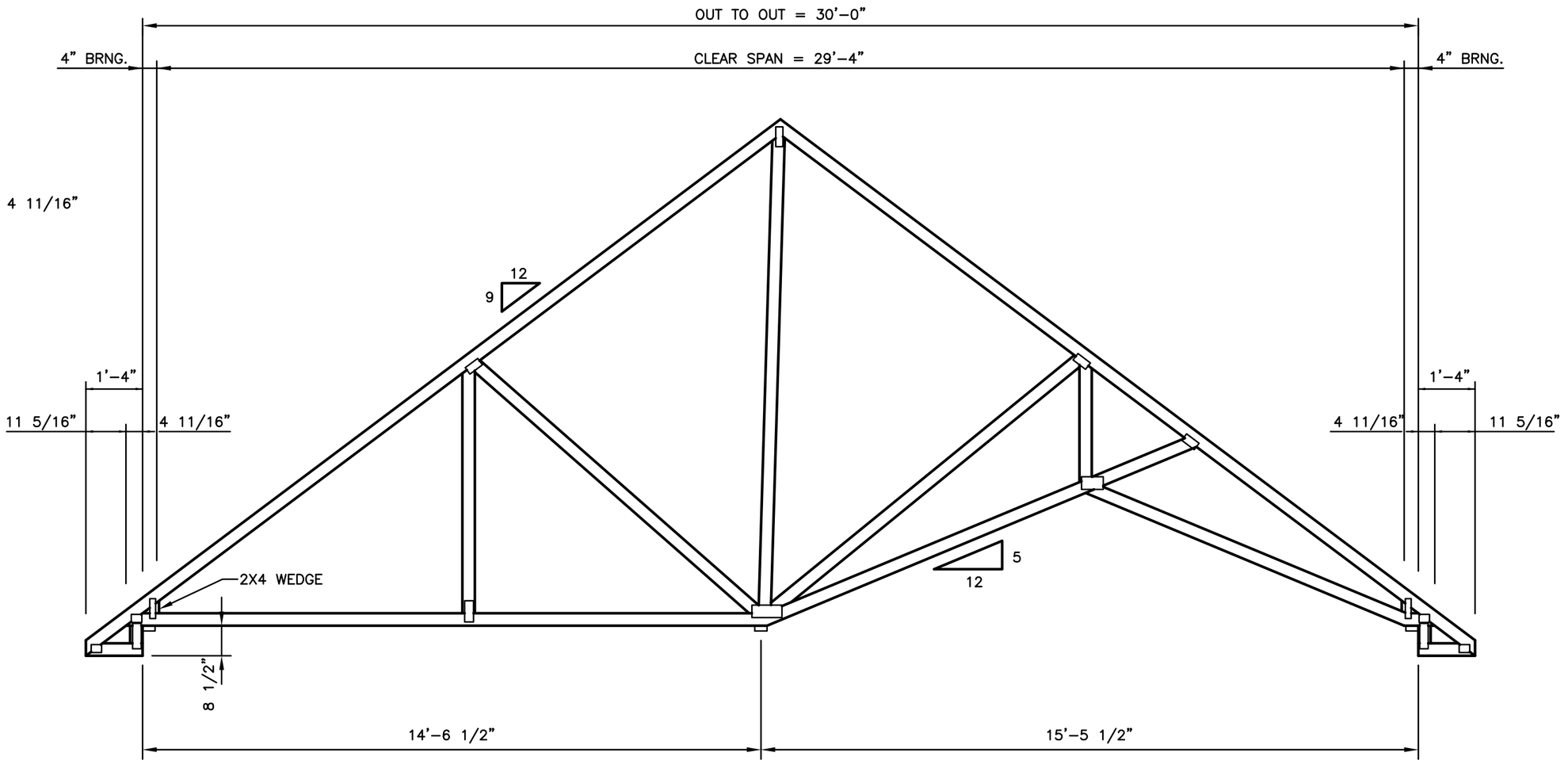
	CHANDLER	2	SID.		7 OF 8

TRUSS 2
SCALE 3/8" 1'–0"

OVERSHOOT BOTTOM CHORD 4 11/16"
PAST FACE OF BEARING



TRUSS GENERAL NOTES

1. ALL TRUSSES SHALL BE FACTORY BUILT TO MEET THE REQUIREMENTS OF LOCAL CODES, CLIMATIC CONDITIONS, AND AGENCIES INVOLVED.
2. **LUMBER:** ALL LUMBER TO BE STRESS GRADED AND SO MARKED, AND SHALL BE OF A DIMENSION TO CARRY ALL DESIGN LOADS SAFELY ACCORDING TO SOUND ENGINEERING PRACTICE.
3. **CONNECTIONS:** SAFE WORKING LOAD SHALL BE DETERMINED BY TRUSS MANUFACTURER.
4. **DESIGN:** MANUFACTURER SHALL PROVIDE A TRUSS IN WHICH THE ALLOWABLE WORKING STRESSES HAVE BEEN INCREASED 33% FOR SHORT TIME LOADING CONDITIONS.
5. **CONNECTION PLATES** SHALL BE 20 GAUGE (MIN.) GALVINIZED STEEL, OF SUCH DESIGN AND SIZE TO PROVIDE A POSITIVE JOINT CONNECTION BETWEEN TWO OR MORE MEMBERS, AND TO SAFELY CARRY ANY COMBINED LOADS IMPOSED ON SAID JOINT. (TRUSS PLATES SHALL BE APPLIED ON BOTH SIDES OF JOINT.)
6. **FABRICATION:** ALL JOINTS SHALL BE ACCURATELY CUT FOR TRUE, FULL BEARING AND HELD FIRMLY IN PLACE UNTIL CONNECTION PLATE TEETH ARE INBED–DED IN WOOD.

   KNOTTY WOOD WHICH WOULD REDUCE DESIGN CAPACITY, WILL NOT BE USED.

   TOP AND BOTTOM CHORD SHALL BE STRAIGHT AND TRUE–TO–LINE WITH A MINIMUM OF TWIST OR WARP.

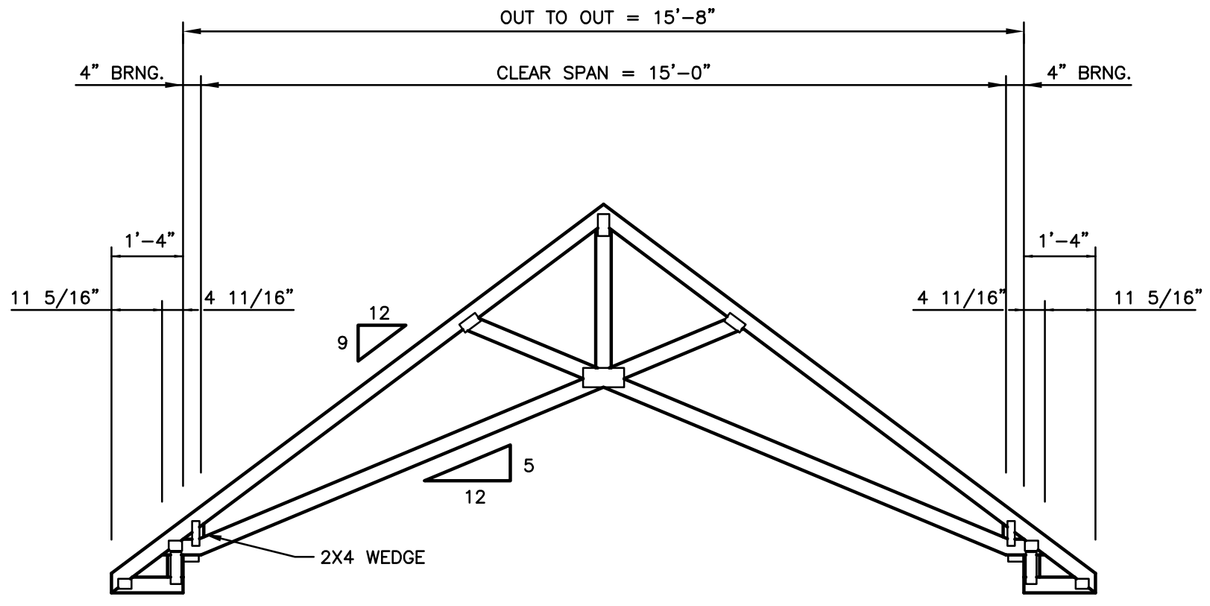
   TOP AND BOTTOM CHORD SPLICES (WHEN REQUIRED) SHALL BE DESIGNED TO CARRY ALL LOADS IMPOSED AT SPLICE. TOP CHORD AND BOTTOM CHORD SPLICES SHALL NOT FALL IN SAME PANEL.
7. **NAILS** WHEN USED TO TEMPORARILY ALIGN PLATES PRIOR TO IMBEDMENT, SHALL BE 1 1/2" X 11" GAUGE "SCOTCH" NAILS OR EQUIVILENT.
8. **LOADS:** TOP CHORD D.L. & L.L. = 30 P.S.F.
   BOTTOM CHORD D.L. = 10 P.S.F.

   TOTAL LOAD = 40 P.S.F.

   LOADS SHOWN ARE AVERAGE. INCREASE OR DECREASE LOADS TO SUIT LOCAL CODES AND SOUND ENGINEERING PRACTICE.
9. **SPACING:** TRUSSES SHALL BE SPACED 2'–0" O.C. UNLESS OTHERWISE INDICATED.
10. **CEILING INSTALLATION :** INSTALL 1/2" GYPSUM BOARD PERPENDICULAR TO TRUSS DIRECTION. INSTALL 5/8" GYPSUM BOARD PERPENDICULAR TO TRUSS DIRECTION WHEN APPLYING WATER–BASED TEXTURED CEILING FINISH.

TRUSS 3
SCALE 3/8" 1'–0"

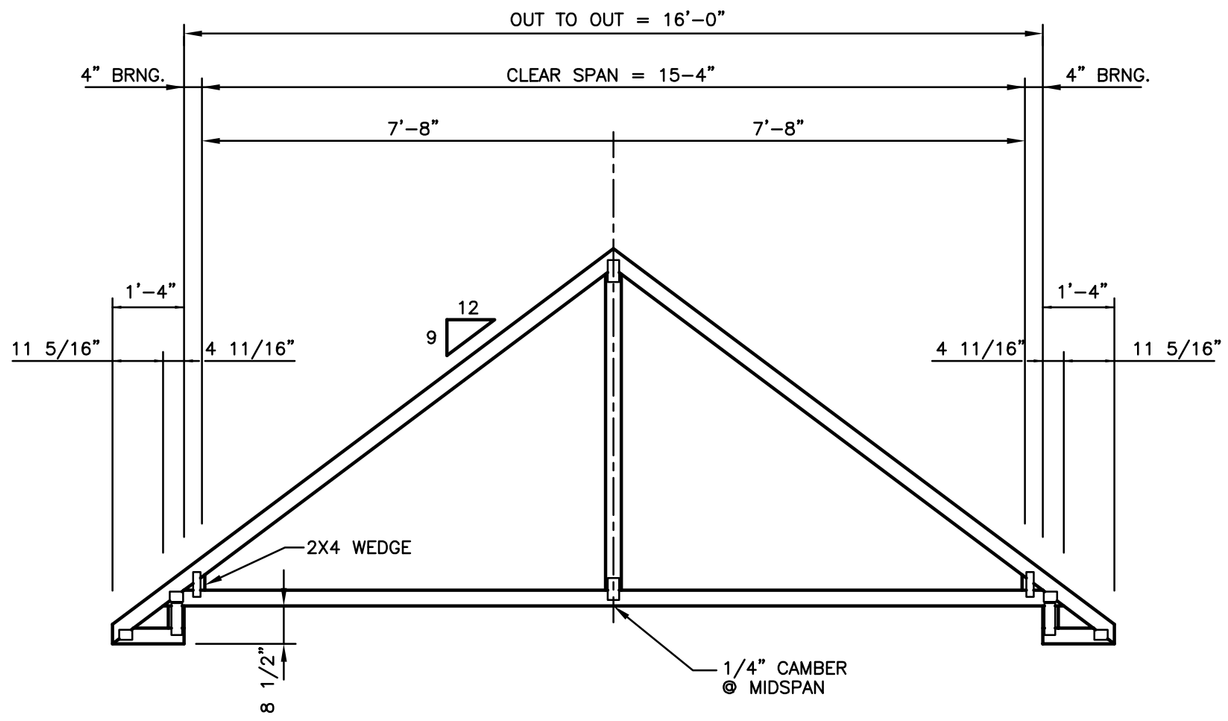
OVERSHOOT BOTTOM CHORD 4 11/16"
PAST FACE OF BEARING



TRUSS 4
SCALE 3/8" 1'–0"

OVERSHOOT BOTTOM CHORD 4 11/16"
PAST FACE OF BEARING

TRUSS MANUFACTURER SHALL
PROVIDE VALLEY SETS
AS REQUIRED.



REVISED 11–28–23
TRUSS CONSTRUCTION

DESIGNED

Standard Homes Plan Service, Inc.

7200 SUNSET LAKE ROAD FUQUAY–VARINA, NC 27526 (919)552–5677

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DESIGNED FOR	PLAN	NO.	MAT'L.	SHOWN	SHEET
	CHANDLER	2	SID		8 OF 8

Job	Truss	Truss Type	Qty	Ply	CHANDLER PLAN
2301400-R	FP1	MONO TRUSS	1	1	Job Reference (optional)

Truswood Inc. PO Box 90035 Raleigh, NC 27675, Toll Free: 1-800-473-8787, Designer: JR

Run: 8.710 s Oct 4 2023 Print: 8.710 s Oct 4 2023 MiTek Industries, Inc. Wed Dec 13 17:05:09 2023 Page 1
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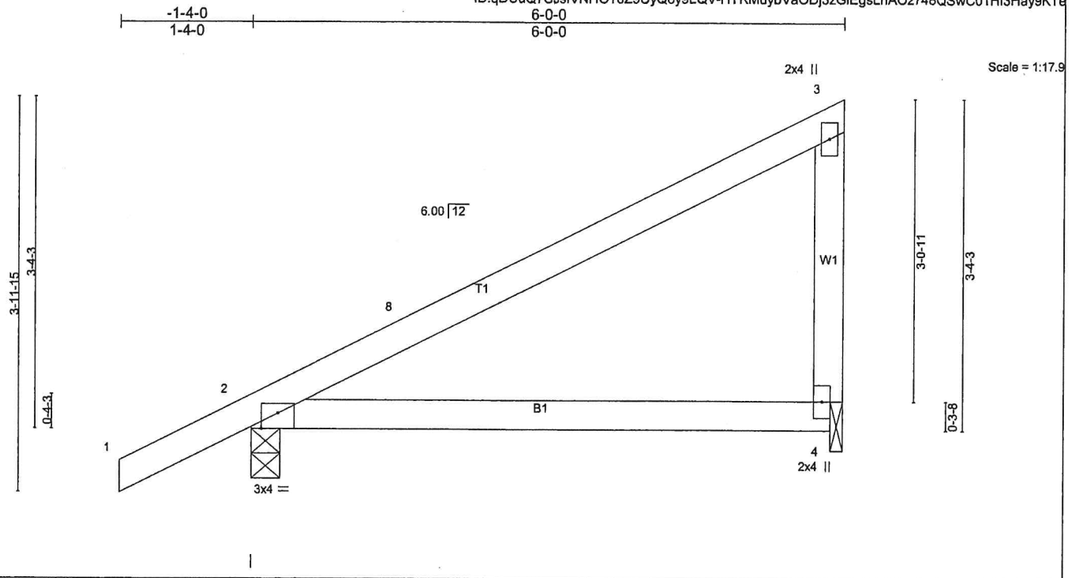

Plate Offsets (X,Y)-- [2:0-2-0,Edge]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.56	Vert(LL) 0.08 4-7 >839 240	MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.49	Vert(CT) -0.11 4-7 >613 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.00 2 n/a n/a	
BCDL 10.0	Code IRC2018/TPI2014	Matrix-MP		Weight: 25 lb FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=323/0-3-8 (min. 0-1-8), 4=225/0-1-8 (min. 0-1-8)
Max Horz 2=159(LC 11)
Max Uplift2=-95(LC 12), 4=-82(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES- (8-9)
1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 5-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
4) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) If Southern Pine (SP or SPp) lumber is specified, the design values are those effective 06/01/2012 by ALSC or proposed by SPIB.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CHANDLER PLAN
2301400-R	T2	CATHEDRAL	1	1	Job Reference (optional)

Truswood Inc. PO Box 90035 Raleigh, NC 27675, Toll Free: 1-800-473-8787, Designer: JR

Run: 8.710 s Oct 4 2023 Print: 8.710 s Oct 4 2023 MiTek Industries, Inc. Wed Dec 13 17:05:11 2023 Page 1
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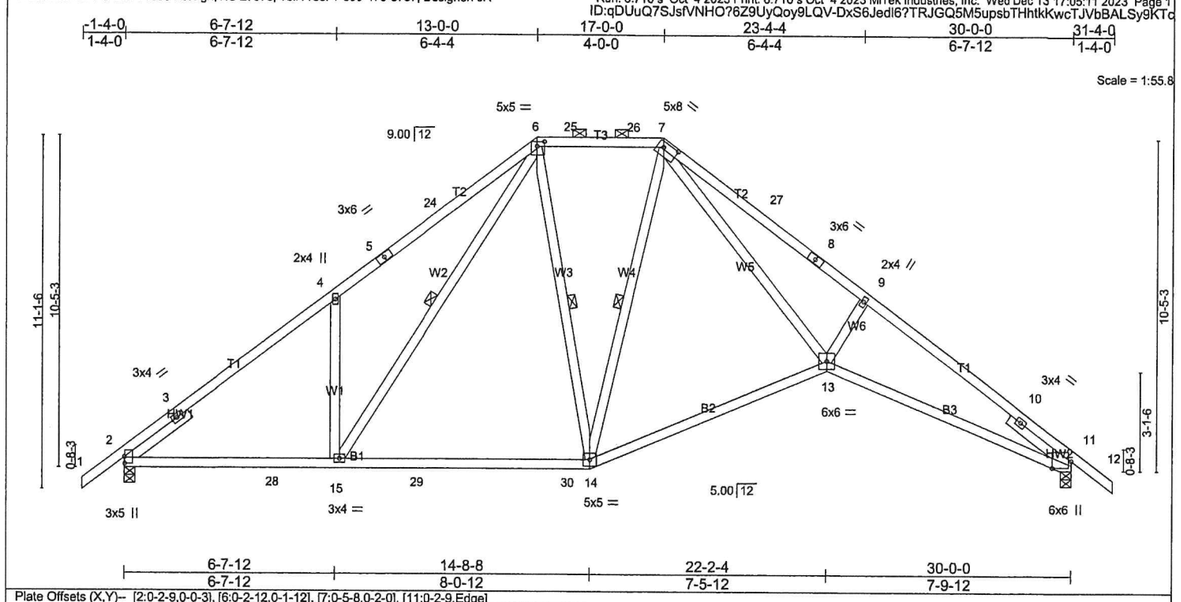

Plate Offsets (X,Y)-- [2:0-2-9,0-0-3], [6:0-2-12,0-1-12], [7:0-5-8,0-2-0], [11:0-2-9,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	1.00	Vert(LL)	-0.26	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.47	14-15	>767	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.28	11	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MSH							Weight: 185 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1D *Except*
T3: 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B3: 2x4 SP No.1
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.2 2-6-0, Right 2x4 SP No.2 2-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except
2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-15, 6-14, 7-14

REACTIONS. (lb/size) 2=1280/0-4-0 (min. 0-1-8), 11=1280/0-4-0 (min. 0-1-8)
Max Horz 2=-329(LC 10)
Max Uplift2=-260(LC 12), 11=-260(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-618/58, 3-4=-1604/334, 4-5=-1708/568, 5-24=-1608/588, 6-24=-1604/610, 6-25=-888/368, 25-26=-888/368, 7-26=-888/368, 7-27=-2719/587, 8-27=-2735/566, 8-9=-2819/545, 9-10=-2990/510, 10-11=-841/34
BOT CHORD 2-28=-283/1420, 15-28=-283/1420, 15-29=-74/954, 29-30=-74/954, 14-30=-74/954, 13-14=-36/1086, 11-13=-301/2490
WEBS 4-15=-460/452, 6-15=-440/877, 7-14=-397/90, 7-13=-286/2048, 9-13=-307/353

NOTES- (10-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 13-0-0, Exterior(2R) 13-0-0 to 16-0-0, Interior(1) 16-0-0 to 17-0-0, Exterior(2R) 17-0-0 to 20-0-0, Interior(1) 20-0-0 to 31-4-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=260, 11=260.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) If Southern Pine (SP or SPp) lumber is specified, the design values are those effective 06/01/2012 by ALSC or proposed by SPIB.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CHANDLER PLAN
2301400-R	T2A	HIP	1	1	Job Reference (optional)

Truswood Inc. PO Box 90035 Raleigh, NC 27675, Toll Free: 1-800-473-8787, Designer: JR

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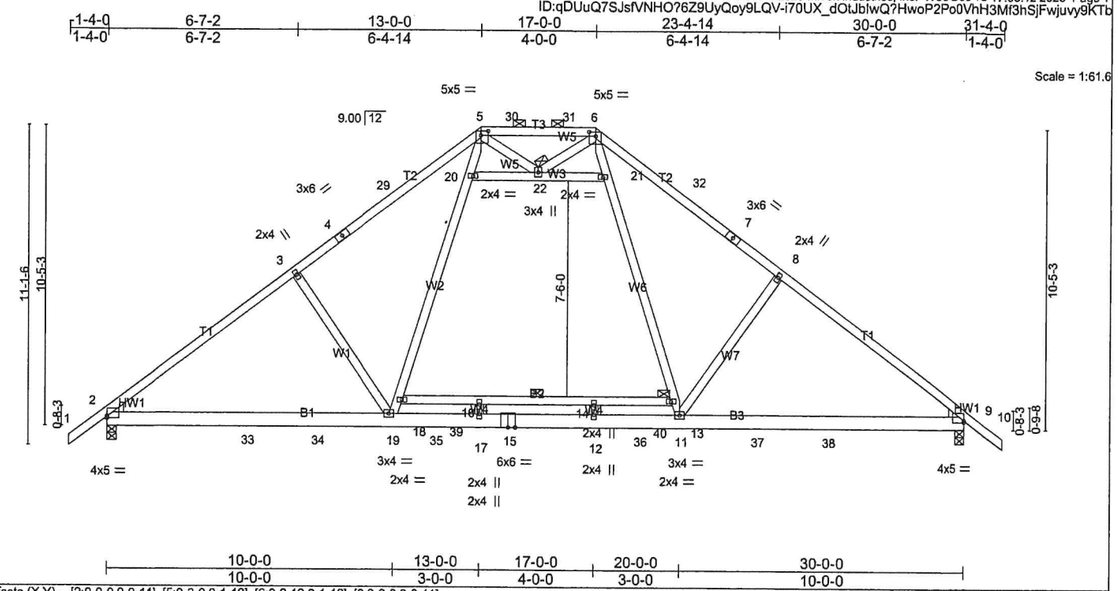

Plate Offsets (X,Y)-- [2:0-0-0,0-0-11], [5:0-3-0,0-1-12], [6:0-2-12,0-1-12], [9:0-0-0,0-0-11]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.79	Vert(LL) -0.28 14-16 >999 240		MT20 244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.85	Vert(CT) -0.45 14-16 >805 180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.85	Horz(CT) 0.05 9 n/a n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MSH				Weight: 208 lb FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
B2: 2x4 SP No.2
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (5-3-12 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except: 6-0-0 oc bracing: 13-18
JOINTS 1 Brace at Jt(s): 13, 22

REACTIONS. (lb/size) 2=1377/0-4-0 (min. 0-1-13), 9=1377/0-4-0 (min. 0-1-12)
Max Horz 2=-329(LC 10)
Max Uplift2=-202(LC 12), 9=-202(LC 13)
Max Grav 2=1525(LC 19), 9=1526(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2035/260, 3-4=-1861/280, 4-29=-1757/301, 5-29=-1757/323, 5-30=-1169/312, 30-31=-1169/312, 6-31=-1169/312, 6-32=-1750/321, 7-32=-1751/299, 7-8=-1855/278, 8-9=-2032/261
BOT CHORD 2-33=-216/1731, 33-34=-216/1731, 19-34=-216/1731, 19-35=0/1241, 17-35=0/1241, 15-17=0/1241, 12-15=0/1241, 12-36=0/1241, 11-36=0/1241, 11-37=-66/1548, 37-38=-66/1548, 9-38=-66/1548
WEBS 3-19=-405/372, 18-19=-133/873, 18-20=-112/941, 5-20=-92/914, 6-21=-89/912, 13-21=-108/938, 11-13=-124/866, 8-11=-408/372

NOTES- (9-10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 13-0-0, Exterior(2R) 13-0-0 to 16-0-0, Interior(1) 16-0-0 to 17-0-0, Exterior(2R) 17-0-0 to 20-0-0, Interior(1) 20-0-0 to 31-4-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=202, 9=202.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) If Southern Pine (SP or SPp) lumber is specified, the design values are those effective 06/01/2012 by ALSC or proposed by SPIB.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CHANDLER PLAN
2301400-R	T3	SCISSORS	1	1	Job Reference (optional)

Truswood Inc. PO Box 90035 Raleigh, NC 27675, Toll Free: 1-800-473-8787, Designer: JR

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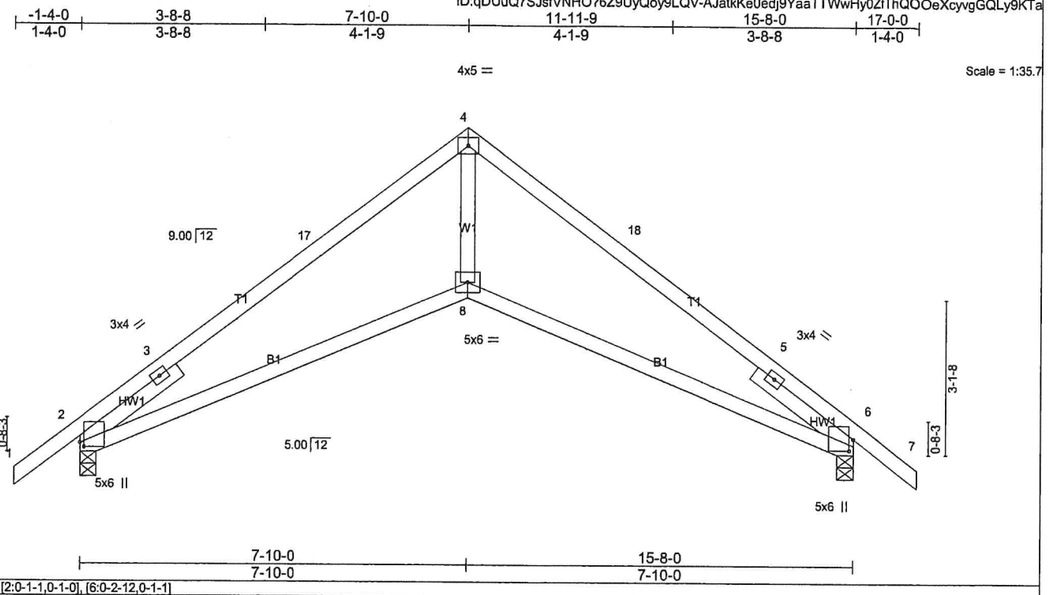

Plate Offsets (X,Y)-- [2:0-1-1,0-1-0], [6:0-2-12,0-1-1]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.85	Vert(LL) 0.20 8-15 >957 240	MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.80	Vert(CT) -0.24 8-15 >798 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.36	Horz(CT) 0.14 6 n/a n/a	
BCDL 10.0	Code IRC2018/TPI2014	Matrix-MSH		Weight: 72 lb FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.2 2-6-0, Right 2x4 SP No.2 2-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=707/0-4-0 (min. 0-1-8), 6=707/0-4-0 (min. 0-1-8)
Max Horz 2=-210(LC 10)
Max Uplift2=-158(LC 12), 6=-158(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-561/0, 3-17=-1063/136, 4-17=-1052/161, 4-18=-1052/226, 5-18=-1174/199, 5-6=-561/0
BOT CHORD 2-8=-92/1033, 6-8=-83/1023
WEBS 4-8=-20/926

NOTES- (8-9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 7-10-0, Exterior(2R) 7-10-0 to 10-10-0, Interior(1) 10-10-0 to 17-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
5) Bearing at joint(s) 2, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=158, 6=158.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) If Southern Pine (SP or SPp) lumber is specified, the design values are those effective 06/01/2012 by ALSC or proposed by SPIB.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CHANDLER PLAN
2301400-R	T4	KINGPOST	1	1	Job Reference (optional)

Truswood Inc. PO Box 90035 Raleigh, NC 27675, Toll Free: 1-800-473-8787, Designer: JR

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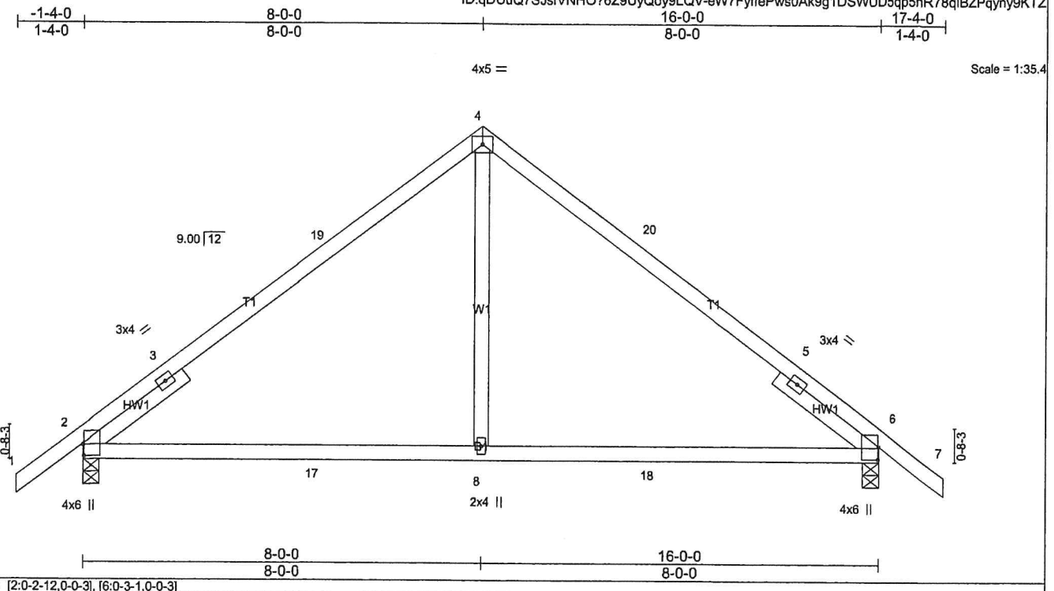


Plate Offsets (X,Y)-- [2:0-2-12,0-0-3], [6:0-3-1,0-0-3]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.88	Vert(LL)	0.20	8-11	>968	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.75	Vert(CT)	-0.22	8-11	>855	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	-0.05	2	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MSH							Weight: 76 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.2 2-5-15, Right 2x4 SP No.2 2-6-0

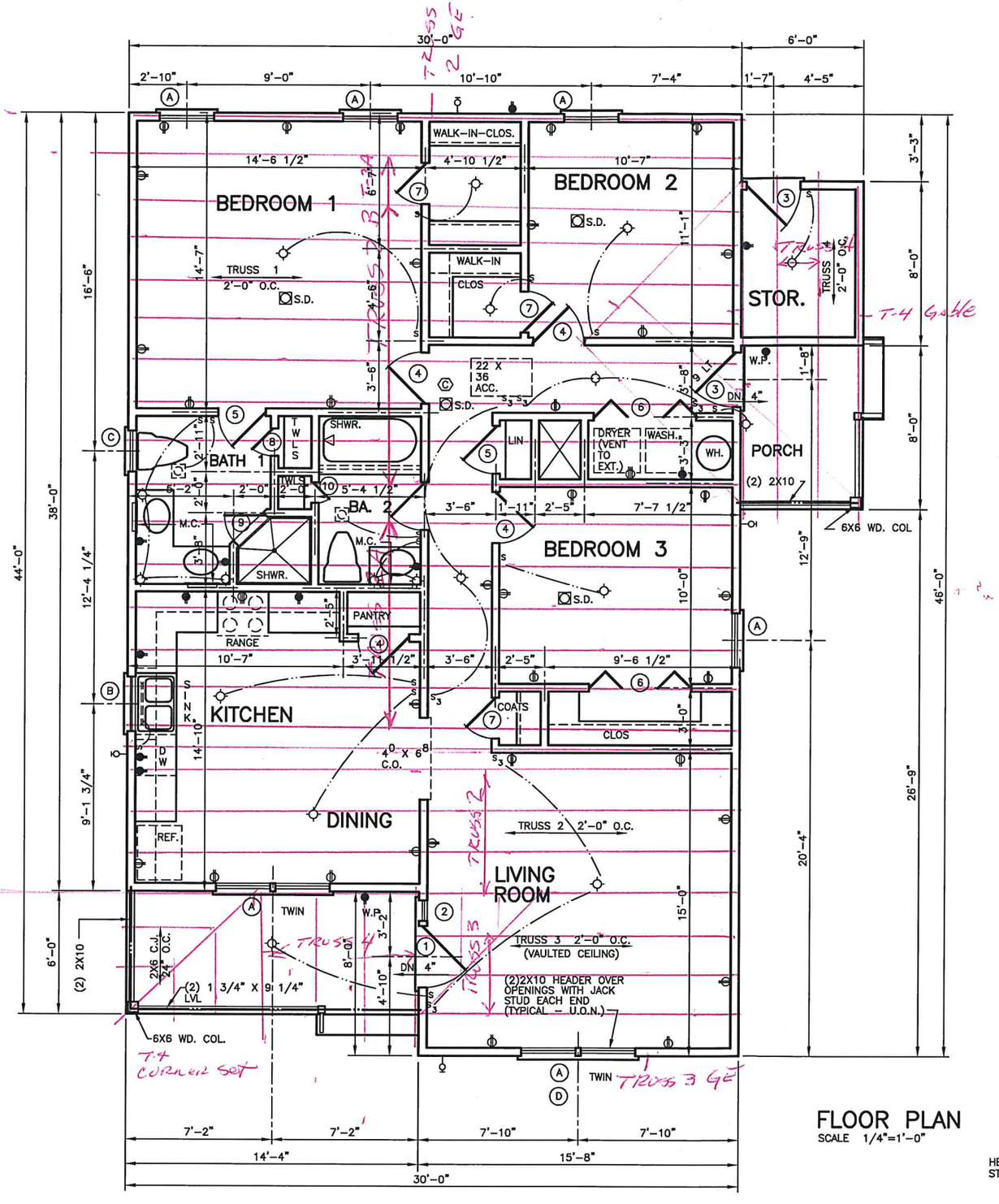
BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=720/0-4-0 (min. 0-1-8), 6=720/0-4-0 (min. 0-1-8)
Max Horz 2=-214(LC 10)
Max Uplift2=-162(LC 12), 6=-162(LC 13)
Max Grav 2=768(LC 19), 6=768(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-443/40, 3-19=-701/178, 4-19=-675/204, 4-20=-675/204, 5-20=-701/178, 5-6=-444/40
BOT CHORD 2-17=-28/607, 8-17=-28/607, 8-18=-28/607, 6-18=-28/607
WEBS 4-8=0/424

NOTES- (7-8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 8-0-0, Exterior(2R) 8-0-0 to 11-0-0, Interior(1) 11-0-0 to 17-4-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=162, 6=162.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) If Southern Pine (SP or SPp) lumber is specified, the design values are those effective 06/01/2012 by ALSC or proposed by SPIB.

LOAD CASE(S) Standard



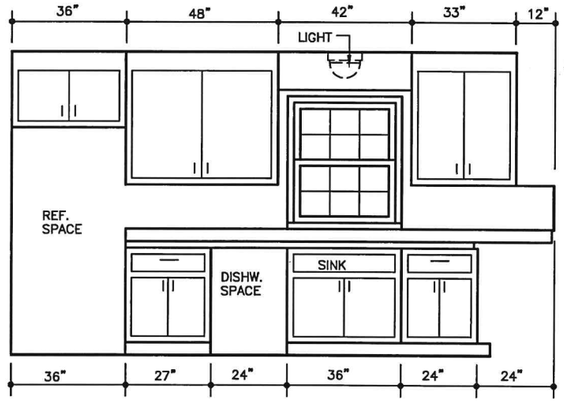
FLOOR PLAN
SCALE 1/4"=1'-0"

HEATED AREA: 1265 SQ. FT. IN SIDING
STORAGE & PORCHES: 182 SQ. FT.

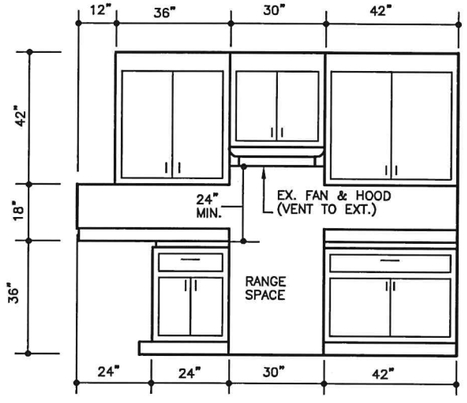
KITCHEN CABINET ELEVATIONS

SCALE 3/8"=1'-0"

FOR SECTION THRU CABINETS, SEE DETAIL ON COVER SHEET.



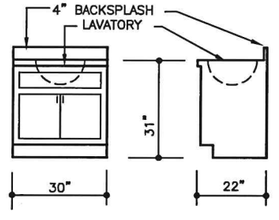
SINK SIDE



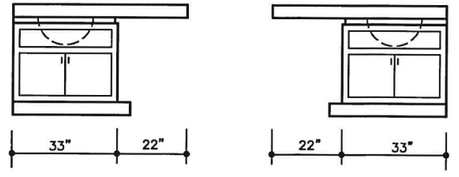
RANGE SIDE

VANITY DETAILS

SCALE 3/8" = 1'-0"



BATH 2 SECT.



BATH 1

REVISED 11-28-23
TRUSS CONSTRUCTION

WINDOW SCHEDULE

A	2'-8"X5'-2" WD. D.H.	D	ANDERSEN CTN28-2 5'-7 7/8" X 3'-0 1/2"	G		L	
B	2'-8"X3'-2" WD. D.H.	E		H		M	
C		F		K		N	

DOOR SCHEDULE

1	3'-0"X 6'-8"X1 3/4"	4	2'-6"X 6'-8"X1 3/8"	7	2'-0"X 6'-8"X1 3/8"	10	1'-0"X 6'-8"X1 3/8"
2	SIDELITE 1'-0"X 6'-8"X1 3/4"	5	2'-4"X 6'-8"X1 3/8"	8	1'-4"X 6'-8"X1 3/8"	11	
3		6		9		12	

Standard Homes Plan Service, Inc.
7200 SUNSET LAKE ROAD FUQUAY-VARINA, N.C. 27526 (919)552-5677

DESIGNED FOR

SHEET 3 OF 8

PLAN CHANDLER NO. 2 MATERIAL