

TABLE R4012(a)
FOR USE WITH SOLA CONTAINING EFFECTIVE PLASTICITY INDEX OF 8-20¹

AREA OF TOTAL REINFORCEMENT (SQUARE FEET)	NUMBER OF FLOORS	DEPTH	MINIMUM LENGTH OF REINFORCING BARS	SEE LIST OF REINFORCING BARS (TOP & BOTTOM) &c	MINIMUM DEPTH OF INTERIOR GRADE	INTERIOR REINFORCEMENT
UP TO 2,400	1	24"	12"	2-14	8/8	2-14
	2	24"	12"	2-15 or 3-14	8/8	2-15 or 3-15
	3	24"	12"	2-15 or 3-14	12/12	2-15 or 3-15
2,400-5,000	1	24"	12"	2-15 or 3-14	8/8	2-15
	2	24"	12"	2-15 or 3-14 or 2-15	12/12	2-14
	3	24"	12"	2-15	12/14	3-15
5,000 SQ. FT. UNCORRODED	1	24"	12"	2-15	12/16	2-15
	2	24"	12"	2-15	12/16	2-15

REINFORCEMENT REQUIRED TOP AND BOTTOM OF FOOTING IN ACCORDANCE WITH ACI-308
 1) At intersections and corners, the #5 reinforcing bars can be tied using two bonded #4 L's with minimum leg length of 8"
 2) Design Professionals are required to be licensed as an Architect or Engineer in the State of Texas in accordance with applicable laws
 3) Consisting of Over 5,000 sq. ft. - Designed by a Residential Design Professional approved by the City of Amarillo Building Official

TABLE RB024(2)
CEILING JOIST SPANS FOR COMMON LUMBER SPECIES
(UNINHABITABLE ATTICS WITH LIMITED STORAGE, LIVE LOAD = 20 PSF, L/A 240)

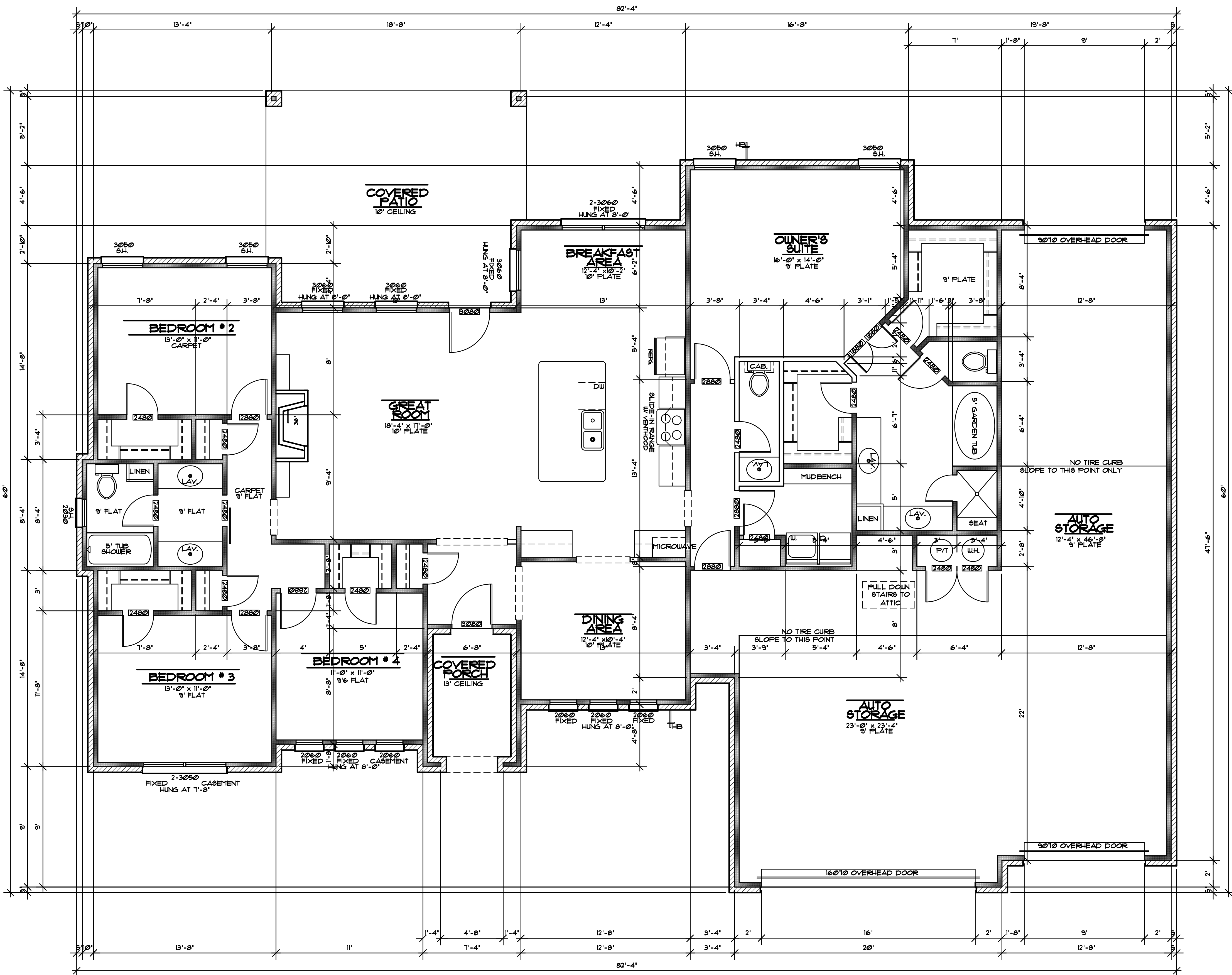
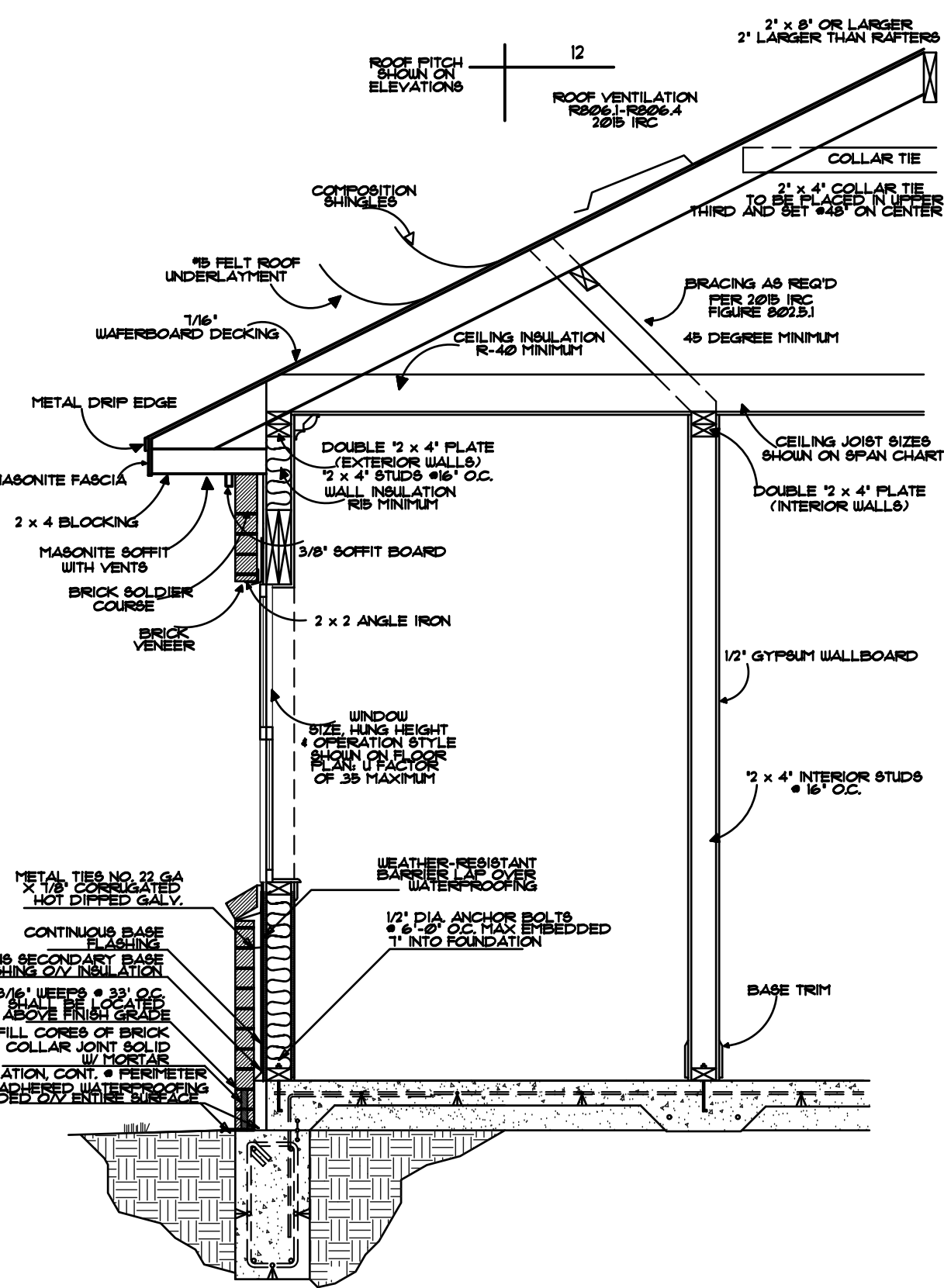
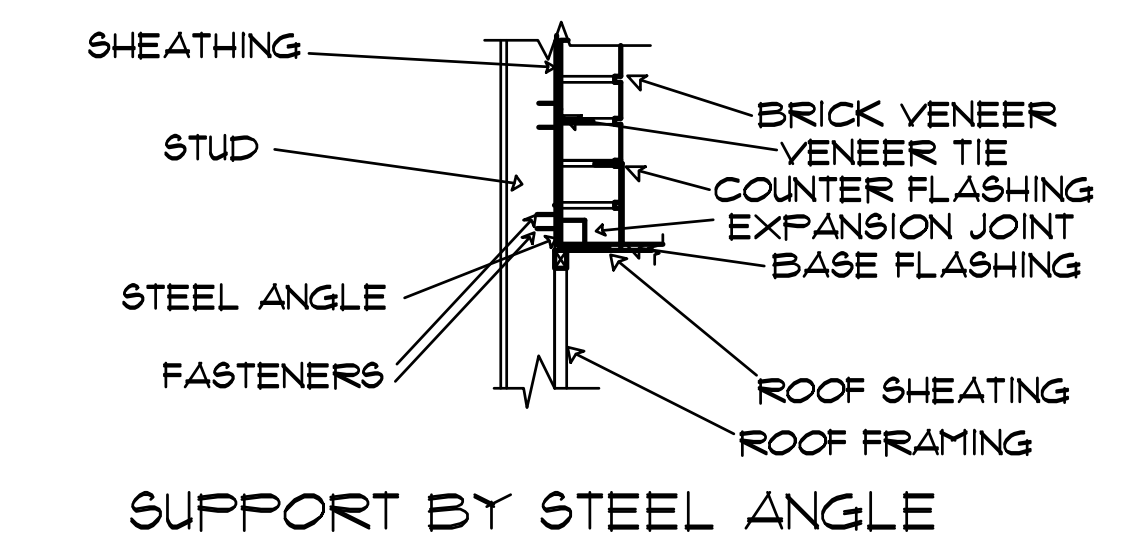
SPECIES AND GRADE	2" x 4	2" x 6	2" x 8	2" x 10
#2 HEM FIR	9'-2" 8'-4" 7'-1" 6'-8"	14'-5" 13'-1" 11'-8" 10'-4"	18'-6" 16'-2" 14'-9" 13'-5"	22'-1" 19'-7" 17'-4" 16'-0"

TABLE RB024(1)
CEILING JOIST SPANS FOR COMMON LUMBER SPECIES
(UNINHABITABLE ATTICS WITHOUT STORAGE, LIVE LOAD = 10 PSF, L/A 240)

SPECIES AND GRADE	2" x 4	2" x 6	2" x 8	2" x 10
#2 HEM FIR	11'-1" 10'-6" 9'-2" 8'-2"	17'-2" 15'-8" 14'-5" 13'-1"	21'-9" 19'-5" 17'-2" 15'-8"	26'-6" 24'-2" 21'-11" 20'-7"

TABLE RB023(2)
RAFTER SPANS FOR COMMON LUMBER SPECIES
(ROOF LIVE LOAD = 20 PSF, CEILING ATTACHED TO RAFTERS, L/A 240)

SPECIES AND GRADE	2" x 4	2" x 6	2" x 8	2" x 10
#2 HEM FIR	9'-2" 8'-4" 6'-10" 6'-10"	14'-2" 12'-3" 10'-0" 9'-11"	18'-6" 16'-6" 14'-3" 13'-11"	23'-5" 20'-5" 17'-2" 16'-0"



AREAS:

FIRST FLOOR L.A.	2250 SQ. FT.
AUTO STORAGE	118 SQ. FT.
COVERED PATIO	303 SQ. FT.
COVERED PORCH	67 SQ. FT.
TOTAL UNDER ROOF	3738 SQ. FT.
ALL AREAS APPROXIMATE	

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

DRAWN BY:
RENAISSANCE DESIGN
ZACHARY SALDIYAR
6666 AMARILLO BLVD. W
AMARILLO, TX
79106 (806) 510-3489

A NEW RESIDENCE BY:
AMARILLO HOMES
12020 JACKSON BRANCH
AMARILLO, TEXAS

REVISIONS:

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8 OF 8
PLAN # 1831B4
DATE 4/23/20