



ENERGY CONSERVATION CODE
THE FOLLOWING VALUES ARE NEEDED.

R-15 IN WALLS

R-49 IN ATTICS

R-38 IN VAULTS

R-30 REDUCTION FOR VAULTS IS ONLY FOR 500 SF
PF AREA

R-19 IN FLOORS OVER UNCONDITIONED SPACES

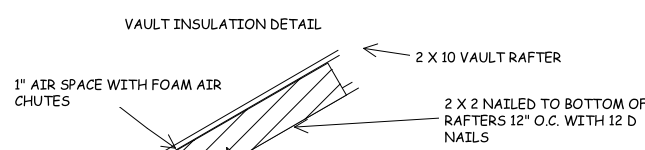
R-10 IN CRAWL SPACE WALLS

BASEMENT WALLS R-13 CAVITY OR R-10 CONTINUOUS

SLABS SHALL BE R-10 FOR A DEPTH OF 2 FOOT

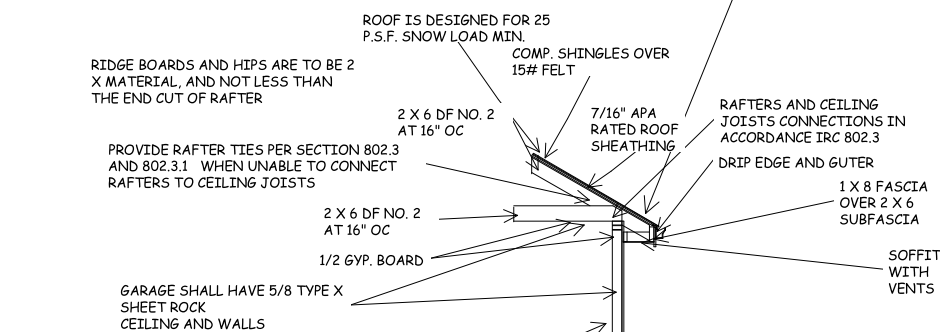
A WINDOW U FACTOR OF .35 OR BETTER

DUCTWORK NEEDS TO HAVE AN R-8 VALUE



INTERCONNECTED HARD WIRED SMOKE
DETECTORS SHALL BE INSTALLED IN EACH
BEDROOM AND OUTSIDE OF EACH BEDROOM
ALL PLUMBING IF EXISTING SHALL BE CAPPED
AND AIR TESTED PRIOR TO ROUGH-IN INSPECTION
FOR LEAK VERIFICATION

ICE & WATER SHIELD REQUIRED ON ALL ROOFS



WALLS OVER 10-2 TO 18-0
STUDS SHALL BE 2 X 6 DF
NO 2 @ 16" O.C. TYP.

ALL STUDS 6-0 FROM FLOOR TO
CEILING OR RAFTER DIAPHRAM TYP.

MIN. CONCRETE STRENGTH
2,500 PSI BASEMENT FLOOR SLABS UNDISTURBED GRADE
3,000 PSI FOR FOOTINGS, FOUNDATION WALLS, AND OTHER VERTICAL
CONCRETE
3,500 PSI FOR CARPORT AND GARAGE FLOOR SLABS ON UNDISTURBED GRADE,
AND STRUCTURAL FLOOR SLABS

SPREAD FOOTING
MIN 8" DEEP X 16"
WIDE WITH TWO NO 4
REBAR

INTERIOR DRAIN TILE MIN 1-1/2"
MIN. DRAIN TO DAYLIGHT, OR SUMP
PUMP IN ACCORDANCE TO R-405

8 X 16 FOOTING WITH TWO NO 4
BARS HORIZONTAL 3" FROM THE
BOTTOM. ALL FOOTINGS TO
EXCEED MIN. FROST DEPTH OF 36"

MIN. STAIR HEADROOM 6-8

ALL STAIRS
MAX RISE 7-3/4"
MIN. RUN 10"

WINDOW SAFETY GLAZING PER 308

SAFETY GLAZING REQUIRED ALONG WALKING SURFACES AND
STAIRS LOCATED WITHIN 36 INCHES HORIZONTALLY OF THE STEPS.
SAFETY GLAZING REQUIRED IF EXPOSED SINGLE PANEL IS IN
EXCESS OF 9 SQUARE FEET OR THE BOTTOM EDGE OF THE GLAZING
IS LESS THAN 18 INCHES ABOVE THE FINISHED FLOOR.

SAFETY GLAZING REQUIRED WHERE THE NEAREST EXPOSED EDGE OF
THE GLAZING IS WITHIN 24 INCHES OF EITHER VERTICAL EDGE OF
THE DOOR IN A CLOSED POSITION AND WHERE THE BOTTOM
EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES ABOVE A
WALKING SURFACE, SAFETY OR TEMPERED GLAZING IS REQUIRED.

WINDOWS ARE TO HAVE FALL
PROTECTION PER IRC 312.2

TYPICAL WALL SECTION

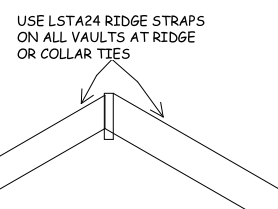
WINDOW EGRESS
REQUIREMENTS

BEDROOM WINDOW EGRESS MINIMUM FOR A DOUBLE HUNG
WINDOW IS 36 INCH CLEAR WIDTH MIN. AND 24 INCH CLEAR
HEIGHT MIN. WITH A CLEAR OPENABLE AREA OF 5.7 SQUARE FEET
MIN.
A CASEMENT OR SLIDER WINDOW MINIMUMS ARE 20 INCH CLEAR
WIDTH MINIMUM AND 41 INCH CLEAR HEIGHT MINIMUM. WITH A
MINIMUM 5.7 SQUARE FOOT OF OPENABLE AREA
OPENING OF EGRESS WINDOW NOT MORE THAN 42"
FROM THE FLOOR

PIER PADS
TYP. U.N.O. 3-0 X 3-0 X 12" PIER PADS MIN.
WITH # 4 REBAR, 6 EACH WAY



EGRESS WINDOW WELL AS NEEDED
PER SECTION 308 MIN 3-0 X 3-0
WITH LADDER



STUDS OVER 10-0 SHALL HAVE
BLOCKING ALONG WALL MAX
OF 6-0 O.C.

ALL POINT LOADS SHALL HAVE A MINIMUM OF 2 STUDS UNLESS NOTED OTHERWISE

1. DWELLING / GARAGE OPENINGS BETWEEN GARAGE AND SLEEPING
PURPOSES SHALL NOT BE PERMITTED. OTHER OPENINGS SHALL BE
EQUIPPED WITH SOLID WOOD OR STEEL DOORS NOT LESS THAN 1-3/8"
THICK OR 20 MINUTE RATED DOORS. WITH SELF CLOSING DEVICES
REQUIRED FOR GARAGE / DWELLING SEPARATION DOORS. R302.1.1

2. WHOLE HOUSE MECHANICAL VENTILATION SYSTEM IS REQUIRED FOR
ANY DWELLING IN COMPLIANCE WITH IRC M 1505

3. CARBON MONOXIDE DETECTORS REQUIRED IRC R 315

4. STEEL COLUMNS SHALL BE MINIMUM SCHEDULE 40 R407.3

5. DECK SHALL BE BUILT PER TABLES 507.2, 507.2.1, 507.3, 507.6,
507.5.1(1)&(2), 507.5, AND 507.6

6. STUDS SHALL BE CONTINUOUS BETWEEN FLOOR, CEILING AND OR
ROOF DIAPHRAGMS R602.3

7. ADDED REQUIREMENTS FOR WINDOW FALL PROTECTION R312.2

8. NEW PROVISIONS FOR ATTACHMENT OF RAFTERS, TRUSSES AND
ROOF BEAMS R802.3.1, R802.11

9. INSULATION REQUIRED FOR ALL BASEMENT WALLS (INCLUDING
UNFINISHED BASEMENTS) N1102.1

10. EXTERIOR WINDOWS/DOORS SHALL HAVE U-FACTOR 0.35 AND
GLAZING SHALL HAVE SOLAR HEIGHT GAIN FACTOR OF 0.40 N1102.1

11. HOUSE LEAKAGE AND DUCT LEAKAGE PERFORMANCE STANDARDS
EFFECTIVE JANUARY 1, 2014. A SAMPLE TESTING PROGRAM WILL BE
IMPLEMENTED OCTOBER 1, 2012. KCBRC N1102.4.1.2 N1103.2.2

12. LIGHTING FIXTURES PENETRATING THE THERMAL ENVELOPE (E.G.
CAN LIGHTS IN ATTIC) SHALL BE IC RATED, LEAKAGE RATED AND
SEALED TO THE GYPSUM WALLBOARD. N1102.4.4

13. PROGRAMMABLE THERMOSTAT REQUIRED N1103.1.1

14. AIR HANDLERS SHALL BE RATED FOR MAXIMUM 2 % AIR LEAKAGE
RATE N1103.2.2.1

15. BUILDING CAVITIES USED AS RETURN AIR PLENUMS SHALL BE
SEALED TO PREVENT LEAKAGE ACROSS THE THERMAL ENVELOPE KCBRC
N1103.2.2

16. CERTAIN HOT WATER PIPES SHALL BE INSULATED N1103.4

17. ALL EXHAUST FANS SHALL TERMINATE TO THE BUILDING EXTERIOR
M1507.2

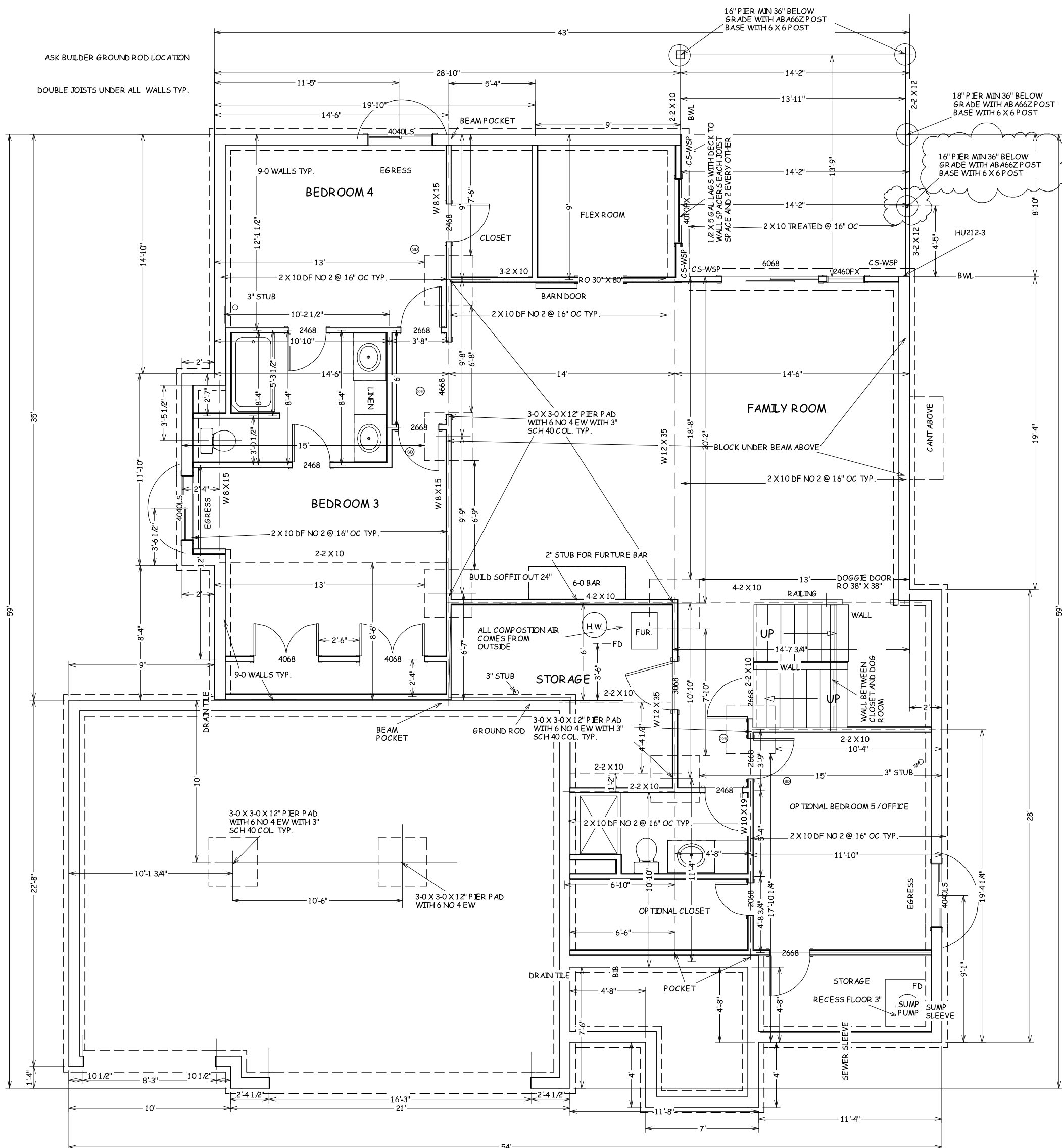
18. MAKEUP AIR SYSTEM REQUIRED FOR KITCHEN EXHAUST HOODS
THAT EXCEED 400 CFM M1503.4

19. BUILDING CAVITIES IN A THERMAL ENVELOPE WALL (INCLUDING
THE WALL BETWEEN THE HOUSE AND GARAGE) SHALL NOT BE USED AS
RETURN AIR PLENUMS

20. AN AIR HANDLING SYSTEM SHALL NOT SERVE BOTH THE LIVING
SPACE AND THE GARAGE M1601.6

21. A CONCRETE ENCASED GROUNDING ELECTRODE (UFER) (GROUND)
CONNECTION SHALL BE PROVIDED TO THE ELECTRICAL SERVICE E3608.1

22. COMPLIANCE WITH THE REQUIREMENT AND SHOW CONNECTION AS
NEEDED FOR ROOF BEAM, TRUS, RAFTER, AND GIRDER CONNECTION FOR
UPLIFT PER IRC 802.11. ALL RAFTERS BE IN COMPLIANCE WITH IRC 502.11
AMENDED RAYMORE CODE



FOUNDATION PLAN
1222 SF FINISHED
198 SF OP TIONAL BEDROOM 5
167 SF STORAGE



RELEASE FOR CONSTRUCTION
AS NOTED FOR PLAN REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
12/08/2022

BUILD IN ACCORDANCE WITH
2018 INTERNATIONAL
RESIDENTIAL CODE AND
LOCAL CODES.

TRUMARK CUSTOM HOMES
KYLE IV
LOT 196 WOODSIDE RIDGE
2221 NW KILLARNEY LANE
LEE SUMMIT MO

SCALE
1/4" = 1-0

DATE
11-16-22

PLAN NO.

3823

SHEET NO.

2 OF 4