



2 G DESIGN  
4520 LOWER TERRACE CIRCLE NE  
ALBUQUERQUE, NM. 87111  
505-362-2009

APRIL 5, 2021

SECOND FL  
STRUCTURAL

AKASH & NIKI PATEL  
CUSTOM HOME  
ALBUQUERQUE, NM.

SHEET

14

OF 10 SHEETS

FRAMERS TO VERIFY ACTUAL AMOUNT OF PLYS ON GIRDERS W/TRUSS ENGINEERING  
TRUSS COMPANY RESPONSIBLE FOR LABELING ALL TRUSS TO TRUSS CONNECTORS

#### Reglet, Flashings, Parapets

**R003.2 Flashing**  
Flashings shall be installed in a manner that prevents moisture from entering the wall and roof through joints in copings, through moisture permeable materials and at intersections with parapet walls and other penetrations through the roof plane.

**R002.1 Locations**  
Flashings shall be installed at the wall roof and roof intersections, wherever there is a change in roof slope or direction and around roof openings. Where flashing is of metal the metal shall be corrosion resistant with a thickness of not less than 0.014 inch (0.5mm) (No. 26 galvanized sheet).

**R03.2.2 Crickets and saddles.**  
A cricket or saddle shall be installed on ridge side of any chimney or penetration more than 30 inches (762mm) wide as measured perpendicular to the the slope. Cricket or saddle coverings shall be sheet metal or of the same material as the roof covering.

**R003.3 (NMAC 14-7-3.17) Plastered parapets.**  
Plastered parapets shall require seamless but permeable waterproof cover or weather barrier capping the entire parapet and wrapping over each side. The cover shall extend past any break from the vertical a minimum of four (4") inches on the wall side. On the roof side, the cover shall properly lap any rising roof felts or membranes and be properly sealed. A layer of furred expanded metal lath shall be installed over the cover before plaster or stucco is applied. The lath shall extend past any break from the vertical on the wall side a minimum of five (5") inches and on the roof side, the same distance as the cover below, allowing for plaster stops or seals. No penetrating fasteners are allowed on the horizontal surface of parapets.

**Section R005.9.5 Canales and scoppers.**  
All canales or scoppers must have a metal pan lining extending 6 inches minimum past the inside of the parapet and 6 inches minimum to each side of the canale or scopper opening. All canales or scoppers must have positive drainage.

#### ATTIC ACCESS 2015

SHALL BE PROVIDED IN ACCORDANCE WITH SEC. R007.1 OF IRC TO HAVE A MINIMUM 22" X 30" OPENING AND 30" MIN. UNOBSTRUCTED HEAD ROOM. ATTIC TO HAVE LIGHT AND SWITCH.

#### CRITICAL NOTE

ALL TRUSSES, TJI'S OR 2 X JOISTS OR RAFTERS TO HAVE SIMPSON H2.5A HURRICANE STRAPS FOR UPLIFT AT TOP PLATE TO RAFTER/JOIST CONNECTION. EXTERIOR WALLS AND LOAD BEARING WALLS ONLY.

#### ROOF SHEATHING NOTE

ATTACH ROOF SHEATHING W/BD NAILS @ 6" OC ON EDGES AND 12" OC FIELD. TYPICAL UNLESS NOTED OTHERWISE.

#### FIRE BLOCKING

FIREBLOCKING IN COMBUSTIBLE CONSTRUCTION, FIREBLOCKING SHALL BE PROVIDE TO CUT OFF BOTH VERTICAL AND HORIZONTAL CONCELED DRAFT OPENINGS AND TO FORM AN EFFECTIVE FIRE BARRIER BETWEEN STORIES AND BETWEEN A TOP STORY AND THE ROOF SPACE. FIREBLOCKING SHALL BE PROVIDED IN WOOD-FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:

1. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS, AS FOLLOWS:

- 1.1 VERTICALLY AT THE CEILING AND FLOOR LEVELS.
- 1.2 HORIZONTALLY INTERVALS NOT EXCEEDING 10 FEET.

#### FRAMING NOTES NM 2015 INTERNATIONAL RESIDENTIAL CODE

ALL HEADERS AT EXTERIOR WALLS TO BE DOUBLED 2 X 12 OR A SINGLE 4 X 12 P.P. - 975 E-1.1 UNLESS OTHERWISE NOTED.

MINIMUM 1.5" BEARING AT ALL HEADERS AND BEAMS TO 6" WIDTH. ALL HEADERS 6" AND BIGGER TO HAVE DOUBLED TRIMMERS AT BOTH BEARING POINTS.

ALL TRUSSES 24" OC UNLESS NOTED ON PLANS. ALL "FLAT" ROOFS AND "FLAT TRUSSES" TO HAVE POSITIVE DRAINAGE MIN. 1/4" PLT SLOPE.

ALL INTERIOR LOAD BEARING WALLS TO BE SPACE 16" OC TO 10" PLATE HEIGHT ON FIRST FLOOR AND 9" ON SECOND FLOOR

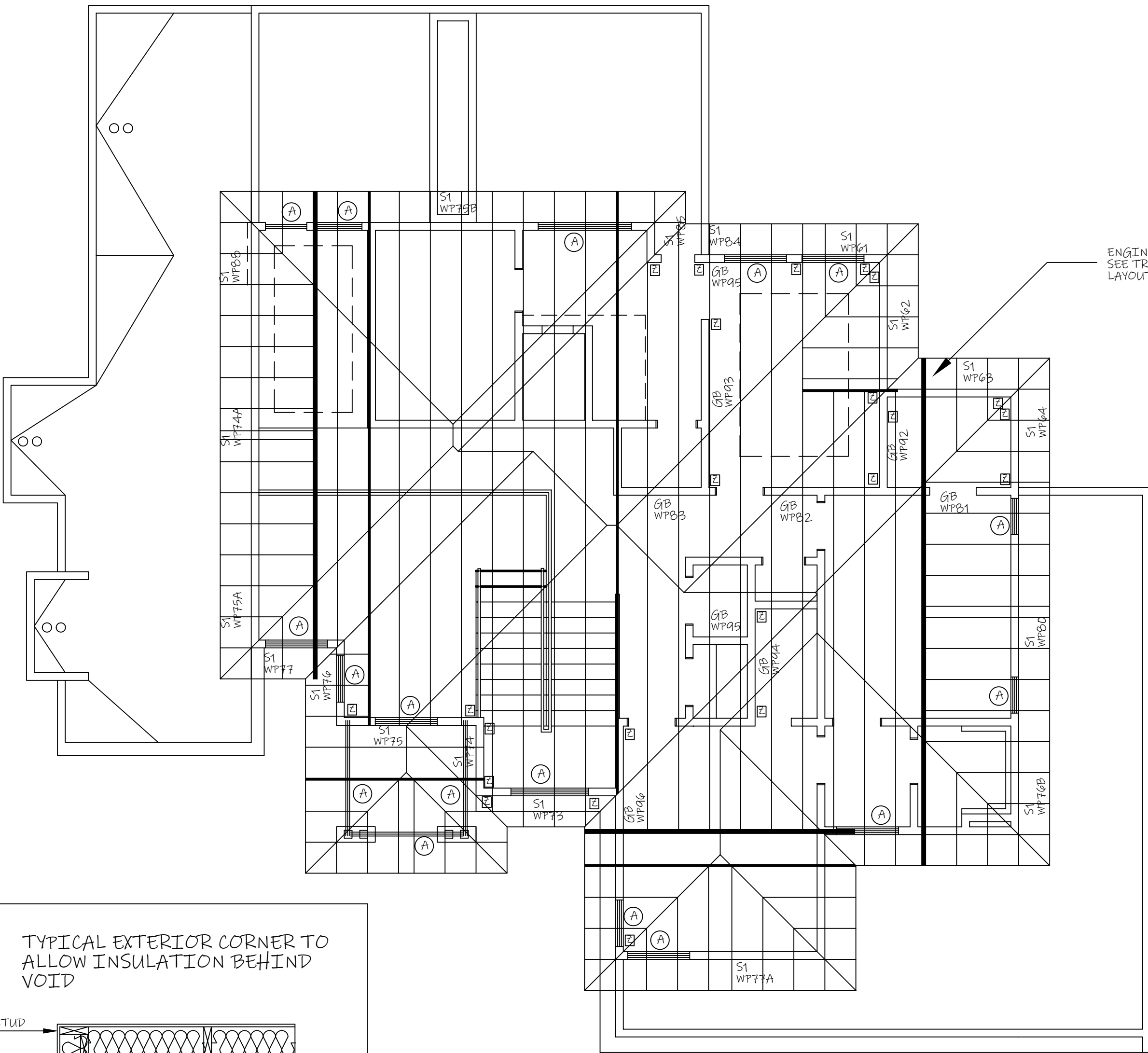
SOLID BEARING POINTS UNDER ALL BEAMS, IF BEAM IS ON SECOND FLOOR CONTINUE BEARING BETWEEN TRUSSES AND FIRST FLOOR TO SOLID CONCRETE FOOTING.

ALL MICROLAWS TO BE NAILED 12" OC WITH 4 #10 NAILS ALL 4 MEMBER MICROLAWS AND 4 MEMBER TRUSSES TO BE BOLTED 16" OC WITH 1/2" X 8" BOLTS W/1-1/4" WASHERS.

ALL SILL PLATES IN DIRECT CONTACT W/ CONCRETE ARE TO BE TREATED OR TO BE OF A NATURAL DURABLE WOOD PER R317.

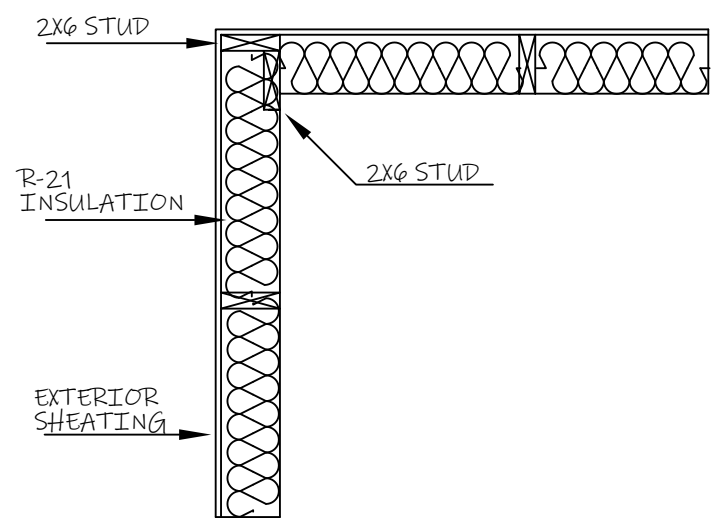
ALL POSTS IN DIRECT CONTACT WITH CONCRETE TO HAVE POST BASE WITH MIN. 1" AIR GAP OR 1-1/2" TREATED PLATE REMSET TO CONCRETE WITH POST NAILED ON TOP.

ALL SPLICES IN BOTTOM PLATES AT ALL LOAD BEARING WALLS TO BE SHOT W/ 2-1/2" RASSET TOWER ACTIVATED PINS. ALSO 12" FROM ALL CORNERS UNLESS AN ANCHOR BOLT IS PRESENT. RAMSET ALL INTERIOR LOAD BEARING WALLS 32" OC WITH 2-1/2" PINS W/WASHERS.

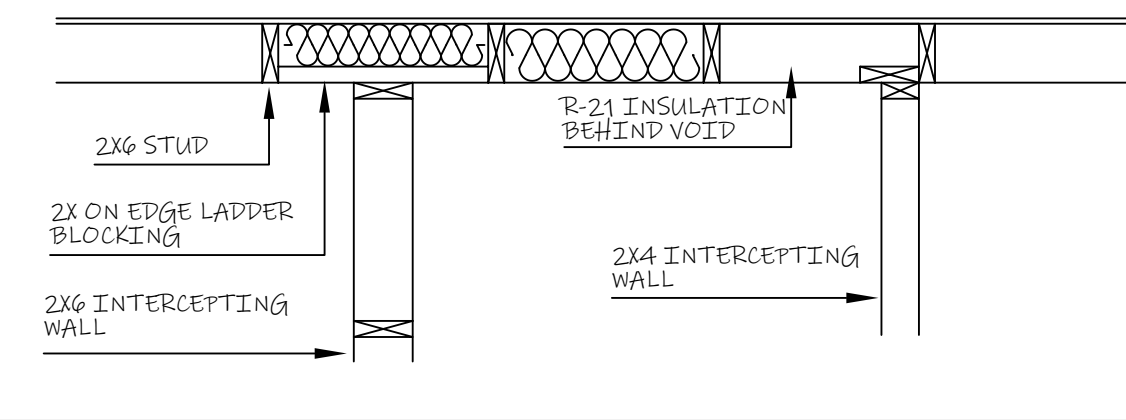


ENGINEERED ROOF TRUSSES.  
SEE TRUSS ENGINEERING AND LAYOUT.

#### TYPICAL EXTERIOR CORNER TO ALLOW INSULATION BEHIND VOID



#### TYPICAL EXTERIOR WALL TEE TO ALLOW INSULATION BEHIND VOID



(A) 2 - 2 X 12 HEADERS

#### SHEAR WALL-SYMBOLS & DESCRIPTIONS

S1/GB - SHEAR WALL TYPE

WPxx - SHEAR WALL NUMBER

#### SHEAR WALL TYPES

TYPE	SHEATHING	NAILING
S1	7/16" OSB (1 SIDE)	8d @ 6"/12"
GB	1/2" OSB (2 SIDES)	5d COOLER NAIL @ 8"/12"

#### HOLD DOWNS

[S] SIMPSON STRONG MSTC2B (OR EQUAL)

#### NOTES:

- ANALYSIS ASSUMES CONTIGUES SHEATHING
- PERIMETER SHEATHING MAY BE PLACED ON OPPOSITE SIDE AS STRUCTURAL SHEATHING
- UNLESS OTHERWISE NOTED THE END COLUMNS OF SHEAR WALL SEGMENTS SHALL BE DOUBLE 2X MEMBERS EQUAL TO THE WALL THICKNESS
- SOLID COLUMNS MAY USE BUILT-UP CONFIGURATION PROVIDED PROPER CONNECTIONS ARE USED
- INTERIOR SHEAR WALLS REQUIRE THICKENED SLAB
- STATES 13 GAGE X 1 5/8" LONG W/19/64" HEAD MAY BE USED (SEE 2015 IRC TABLE R702.3.5)

NOTE:

REFER TO ENGINEERING CALCULATION  
DONE BY GEORGE KNIPPRATH.

SECOND FL STRUCTURAL  
/ BRACING

SCALE: 3/16"=1'-0"