



**Reglet, Flashings, Parapets**

**R403.2 Flashing**  
Flashing 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.

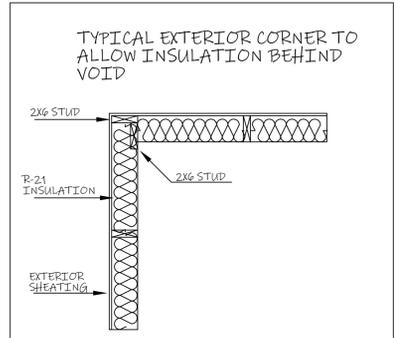
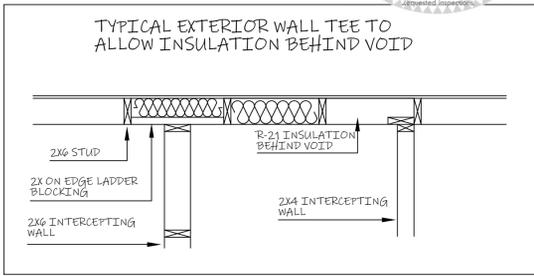
**R403.3** (NIMAC 14.7.3.17) Plastered parapets. Plastered parapets shall require seamless but permeable waterproof cover or weather barrier capping the entire parapet and wrapping over each side. The cover shall extend past any break from the vertical a minimum of four (4") inches on the wall side. On the roof side, the cover shall properly lap any rising roof felts or membranes and be properly sealed. A layer of furled 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.

**R405.9.5 Canales and scuppers.** All canales or scuppers 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 scupper opening. All canales or scuppers must have positive drainage.

**R405.2.1 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 (0.35mm) (No. 26 galvanized sheet).

**R405.2.2 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 rise. Cricket or saddle coverings shall be sheet metal or of the same material as the roof covering.

NOTE:  
REFER TO ENGINEERING CALCULATION DONE BY GEORGE KNIPPRATH.



**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 1/8" 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" PLF SLOPE.

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

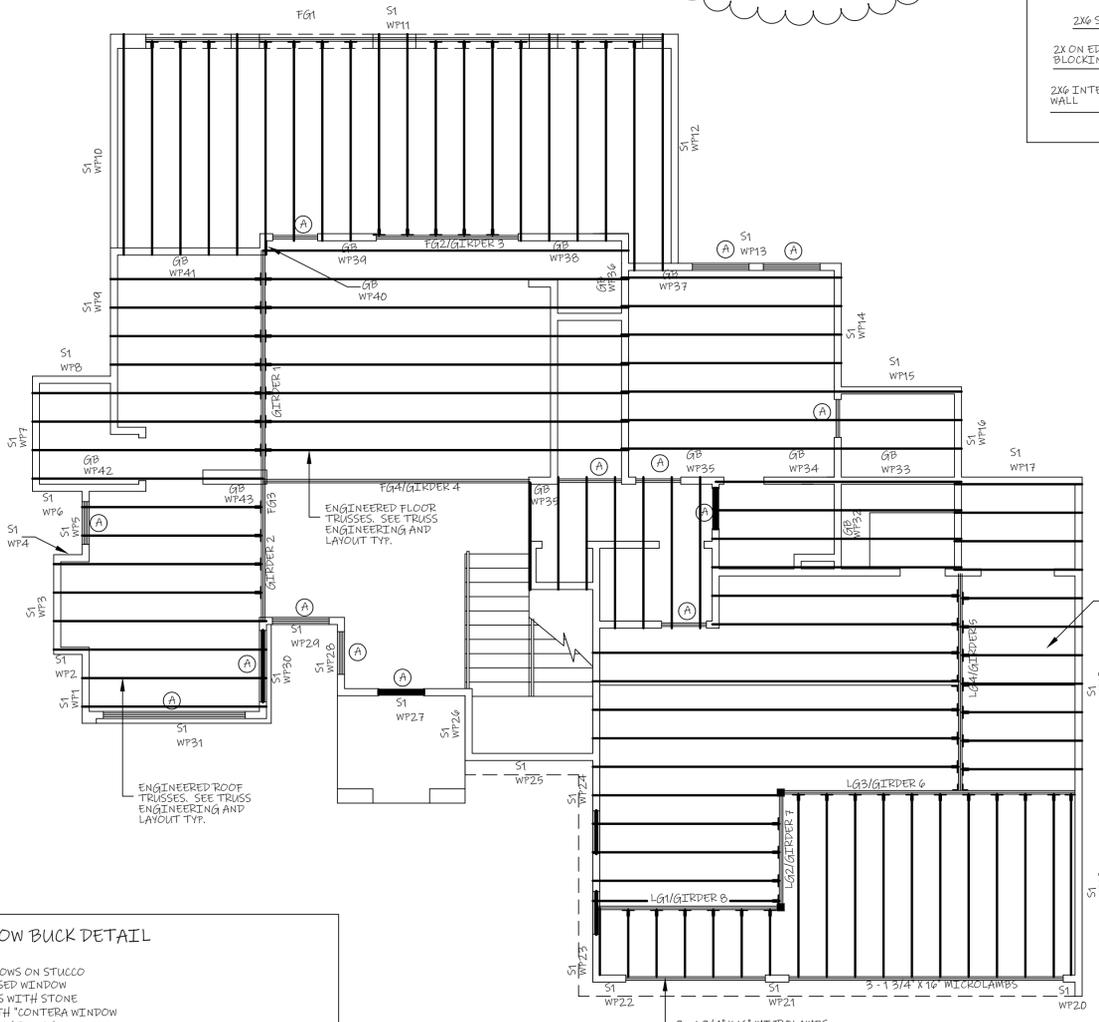
SOLID BEARING POINTS UNDER ALL BEAMS. IF BEAM IS ON SECOND FLOOR CONTINUE BEARING BETWEEN TRUSSES AND FIRST FLOOR TO SOLID CONCRETE FOOTING.

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" RASET POWER ACTUATED PINS. ALSO 12" FROM ALL CORNERS UNLESS AN ANCHOR BOLT IS PRESENT. RASET ALL INTERIOR LOAD BEARING WALLS 32" OC WITH 2-1/2" PINS W/WASHERS.



ENGINEERED FLOOR TRUSSES. SEE TRUSS ENGINEERING AND LAYOUT TYP.

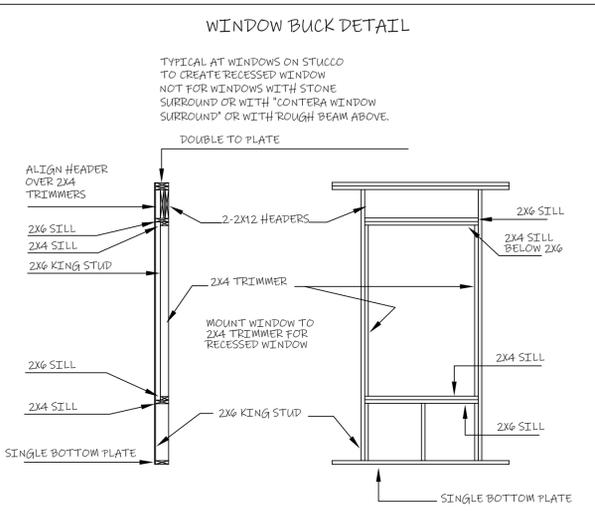
ENGINEERED ROOF TRUSSES. SEE TRUSS ENGINEERING AND LAYOUT TYP.

FG1 - GIRDER TRUSSES SEE ENGINEERING FROM TRUSS MANUFACTURER  
FG2 - GIRDER TRUSSES SEE ENGINEERING FROM TRUSS MANUFACTURER  
ALTERNATE: GIRDER 3 - 2 - 1 3/4" X 11 7/8" LVL - SEE STRUCTURAL ENGINEERING  
FG3 - GIRDER TRUSSES SEE ENGINEERING FROM TRUSS MANUFACTURER  
ALTERNATE: GIRDER 1 - 10 3/4" X 10 1/2" GLU-LAM DF/DF 16F-V3 OR EQUAL GIRDER 2 - 2 - 1 3/4" X 11 7/8" LVL - SEE STRUCTURAL ENGINEERING  
FG4 - GIRDER TRUSSES SEE ENGINEERING FROM TRUSS MANUFACTURER  
ALTERNATE: GIRDER 4 - 6 3/4" X 10" GLU-LAM DF/DF 16F-V3 - SEE STRUCTURAL ENGINEERING  
LG4 - GIRDER TRUSSES SEE ENGINEERING FROM TRUSS MANUFACTURER  
ALTERNATE: GIRDER 5 - 6 3/4" X 10 1/2" GLU-LAM DF/DF 16F-V3 SEE STRUCTURAL ENGINEERING  
LG3 - GIRDER TRUSSES SEE ENGINEERING FROM TRUSS MANUFACTURER  
ALTERNATE: GIRDER 6 - 2 - 1 3/4" X 11 7/8" LVL - SEE STRUCTURAL ENGINEERING  
LG2 - GIRDER TRUSSES SEE ENGINEERING FROM TRUSS MANUFACTURER  
ALTERNATE: GIRDER 7 - 2 - 1 3/4" X 11 7/8" LVL - SEE STRUCTURAL ENGINEERING  
LG1 - GIRDER TRUSSES SEE ENGINEERING FROM TRUSS MANUFACTURER  
ALTERNATE: GIRDER 8 - 2 - 1 3/4" X 11 7/8" LVL - SEE STRUCTURAL ENGINEERING  
A - 2 - 2 X 12 HEADERS

**ELECTRICAL PANEL NOTE;**  
AT ELECTRICAL PANEL PLACE (2) FULL HEIGHT STUDS ON EITHER SIDE OF BLOCKOUT. WALL TOP PLATES TO BE CONTINUOUS OVER BOX BLOCKOUT AND SUPPORT STUDS. MAX. BLOCKOUT OPENING WIDTH IS 16". ACTUAL R.O. WIDTH IS 14.5"

**CRITICAL NOTE**  
ALL TRUSSES, TIES OR 2 X JOISTS OR RAFTERS TO HAVE SEMI-RIGID HURRICANE STRAPS FOR UPLIFT AT TOP PLATE TO RAFTER/JOIST CONNECTION. EXTERIOR WALLS AND LOAD BEARING WALLS ONLY.

**FIRE BLOCKING**  
FIREBLOCKING IN COMBUSTIBLE CONSTRUCTION, FIREBLOCKING SHALL BE PROVIDED TO CUT OFF BOTH VERTICAL AND HORIZONTAL CONCEALED 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.



**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)	6d @ 6" / 12"
GB	1/2" GYPSUM (2 SIDES)	5d COOLER NAIL @ 6" / 12"

**NOTES;**

- ANALYSIS ASSUMES CONTINUOUS SHEATHING
- DRYWALL 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
- STAPLES 13 GAUGE X 1 5/8" LONG W/1/4" HEAD MAY BE USED (SEE 2015 IRC TABLE R702.3.5)

FIRST FL. STRUCTURAL / Bracing  
SCALE: 3/16" = 1'-0"

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

APRIL 5, 2021  
FIRST FLOOR STRUCTURAL

AKASH & NIKI PATEL  
CUSTOM HOME  
ALBUQUERQUE, NM.

SHEET  
13  
OF 10 SHEETS