



Reglet, Flashings, Parapets

R403.2 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.

R403.2.1 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 0.019 inch (0.5mm) (No. 26 galvanized sheet).

R403.2.2 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 tile slope. Cricket or saddle coverings shall be sheet metal or of the same material as the roof covering.

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 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 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.

FRAMING NOTES NM 2015 INTERNATIONAL RESIDENTIAL CODE	
ALL HEADERS AT EXTERIOR WALLS TO BE DOUBLED 2 X 12 OR A SINGLE 4 X 12 T.P.P. - 975 E-1.1 UNLESS OTHERWISE NOTED.	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.
MINIMUM 1"6" BEARING AT ALL HEADERS AND BEAMS TO 6" WIDTH. ALL HEADERS 6"4" AND BIGGER TO HAVE DOUBLED TRIMMERS AT BOTH BEARING POINTS.	ALL SILL PLATES IN DIRECT CONTACT W/ CONCRETE ARE TO BE TREATED OR TO BE OF A NATURAL DURABLE WOOD PER R317.
ALL TRUSSES 24" OC UNLESS NOTED ON PLANS. ALL "FLAT" ROOFS AND "FLAT TRUSSES" TO HAVE POSITIVE DRAINAGE MIN. 1/4" PLT SLOPE.	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 INTERIOR LOAD BEARING WALLS TO BE SPACE 16" OC TO 10" PLATE HEIGHT ON FIRST FLOOR AND 8"1" ON SECOND FLOOR.	ALL SPLICES IN BOTTOM PLATES AT ALL LOAD BEARING WALLS TO BE SHOT W/ 2-1/2" RASET POWDER ACTUATED 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.
SOLID BEARING POINTS UNDER ALL BEAMS. IF BEAM IS ON SECOND FLOOR CONTINUE BEARING BETWEEN TRUSSES AND FIRST FLOOR TO SOLID CONCRETE FOOTING.	

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

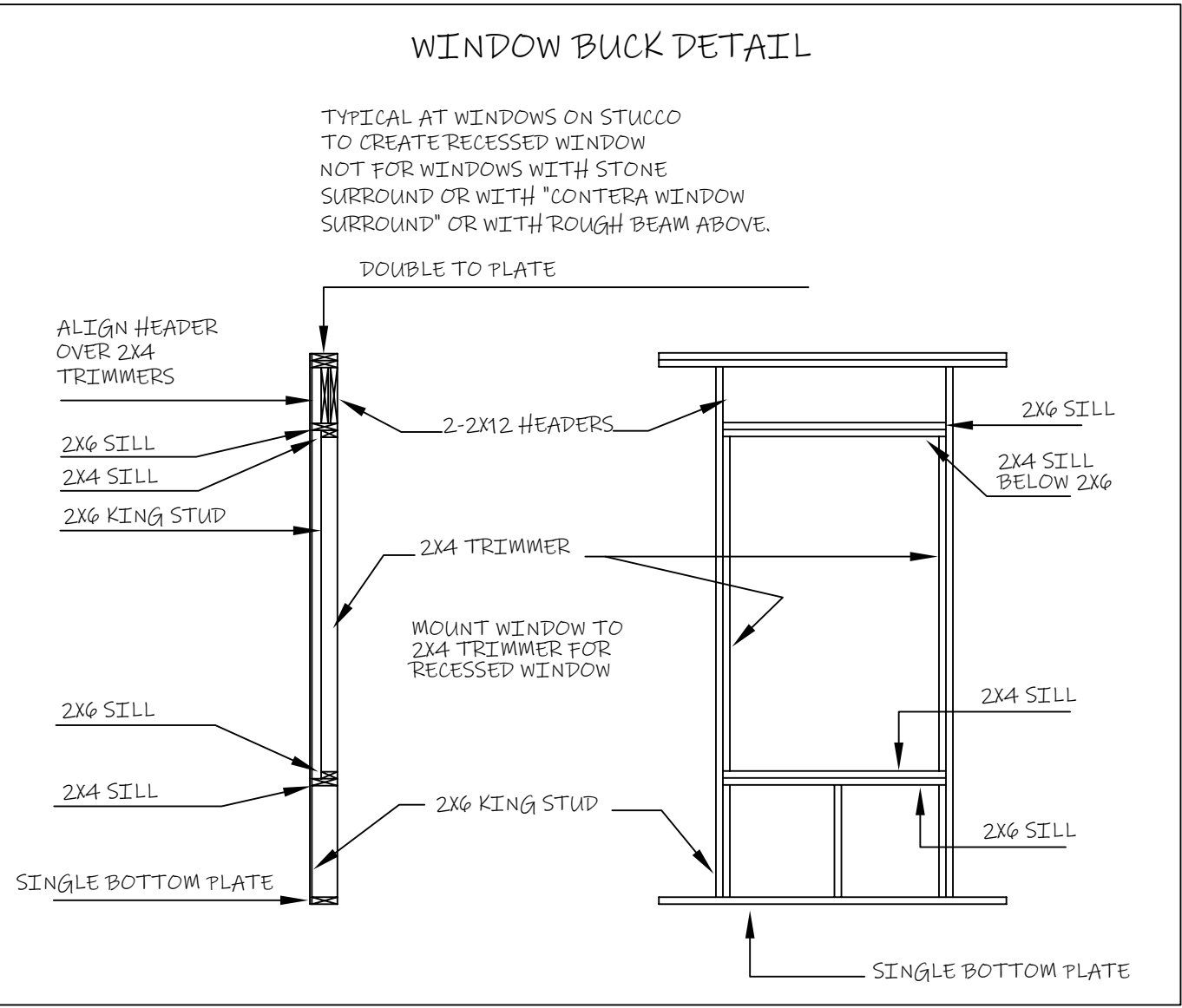
ALL TRUSSES, TIES OR 2 X JOISTS OR RAFTERS TO HAVE SEMICON HD 54 HURDLEWAVE STRIPS FOR UPLIFT AT TOP PLATE TO RAFTER/JOIST CONNECTION. EXTERIOR WALLS AND LOAD BEARING WALLS ONLY.

FIRE BLOCKING

FIREBLOCKING IN COMBUSTIBLE CONSTRUCTION, FIREBLOCKING SHALL BE 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:

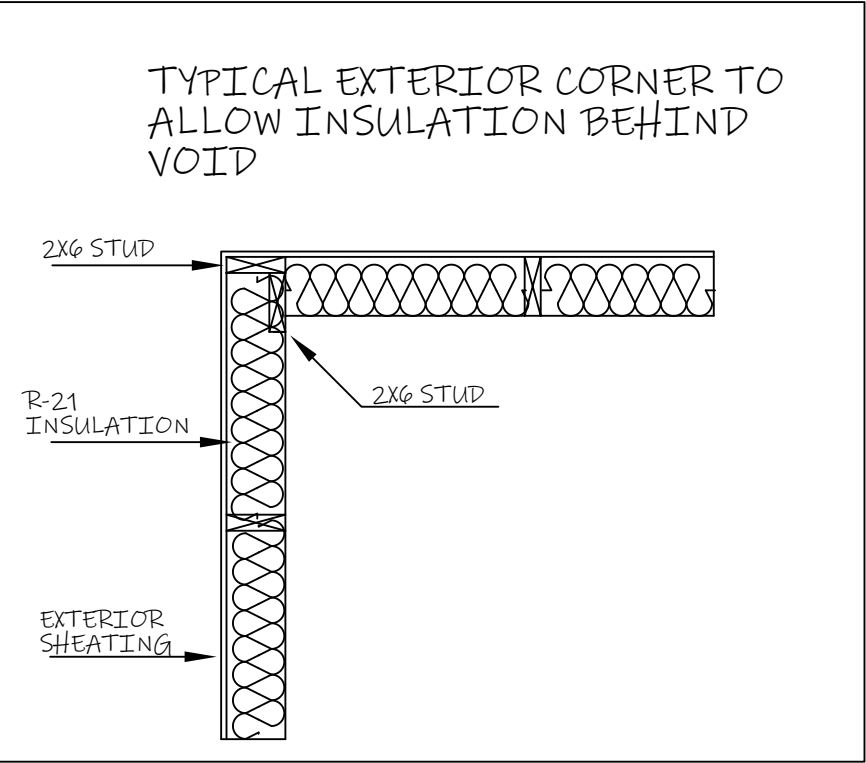
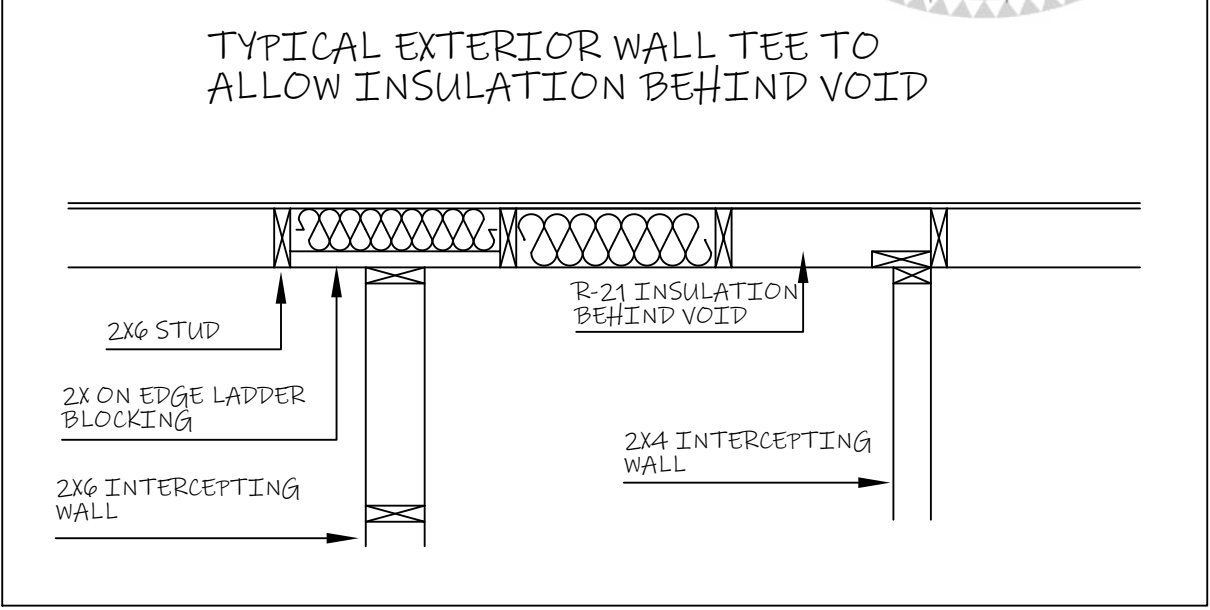
1. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS, AS FOLLOWS:

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



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 CONTINUES 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		
- STAPES 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.



ENGINEERED FLOOR 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 14 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 18" GLU-LAM DF/DF 16F-V3 - SEE STRUCTURAL ENGINEERING
LG4 - GIRDER TRUSSES SEE ENGINEERING FROM TRUSS MANUFACTURER
ALTERNATE: GIRDER 5 - 6 3/4" X 16 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

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