



BUILDER/CONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY BETWEEN FLOORS, FOUNDATION, AND ELEVATIONS. ALSO VERIFY ALL BEAM, HEADERS, PAD LOCATIONS, AND COLUMN SIZES.



FRONT ELEVATION

NOTE: ACTUAL ELEVATIONS MAY VARY FROM ARCHITECTURAL DRAWINGS, DUE TO TERRAIN/BACKFILL PROCESS FRONT ELEVATION IS ARCHITECTURAL DRAWING AND MAY VARY DUE TO MATERIALS AVAILABILITY

ALL NOTES, SECTIONS, AND DRAWINGS ARE IN ACCORDANCE WITH THE 2018 IRC





SQUARE FOOTAGE LIVING AREA FIRST FLOOR = 1020 BASEMENT = 1362 COVERED DECK = 387 UNFINISHED AREA STORAGE = 200 GARAGE = 754



RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW Development Services LEE'S SUMMIT, MISSOURI AARON DELA OBERMINA NUMBER PE-A008019



**RELEASE FOR** CONSTRUCTION AS NOTED ON PLANS REVIEW Development Services LEE'S SUMMIT, MISSOURI



CONSTRUCTION AS NOTED ON PLANS REVIEW Development Services LEE'S SUMMIT, MISSOURI

TYPICAL F.P. FRONT



NOTE .. SEE SPECS FOR SPECIFIC APPLICATIONS.

TYPICAL METAL FIRE PLACE



## RAFTERS

HIP W/ 4-16d GALV.NAILS VERT. RIDGE AND RAFTER SUPPORTS TO BE EQUAL TO OR GREATER THAN THE DEPTH OF

GALV. NAILS CONNECT RAFTERS TO RIDGE, VALLEY, AND

UNLESS OTHERWISE NOTED PURLING RAFTERS TO BEARING WALL LINES CONNECT RAFTERS TO CEILING JOIST W/ 4-16d

NOTE: HIP RIDGE FOR THE MAIN ROOF AS: 2X8 FOR UNBRACED LEGTH UP TO 9'0" 2X10 FOR UNBRACED LENGTH UP TO 10'0" 2X12 FOR UNBRACED LENGTH UP TO 12'0''ALL RAFTERS TO BE #2 2X6 D-FIR 16" O.C.

2 ~ 2X4 TEE PURLIN BRACES (MAX LENGTH OF  $10^{\circ}$ (2X4 W/ 2X6 TEE FOR BRACE  $10^{\circ}$  ~  $14^{\circ}$ )

2 ~ 2XG PURLINS WHERE SHOWN, MAINTAIN RAFTER HORIZONTAL SPAN 12' OR LESS, 2 ~ 2X4 TEE PURLIN BRACES AT 48" O.C. TO BEARING WALL/MEMBER, AT A MAX ANGLE FROM VERT OF 45 DEGREES



HOME BUYER:     PHONE:     PATE DRAMI:     P       BUILDER:     PHONE:     PATE REVISED:     P       BUILDER:     PHONE:     P     P       BUILDER:     PHONE:     P     P
HOME BUYER: BUILDER: BUILDER: SUB-DIVISION: LOT NO.
HOME BUYER: BUILDER: SUB-DIVISION:
· · · · · · · · · · · · · · · · · · ·



RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW Development Services LEE'S SUMMIT, MISSOURI

### GENERAL NOTES

WINDOW SIZES SHOWN ARE APPROXIMATE. THE BUILDER SHALL SELECT WINDOWS TO MEET BUILDING CODE REQUIREMENTS AND TO FIT IN THE AVAILABLE SPACE. OVERALL ROUGH OPENINGS FOR MULLED UNITS WILL VARY BY WINDOW/ DOOR MANUFACTURER.

EXTERIOR WALLS ARE 2x4 STUDS AT 16" O.C. UNLESS OTHERWISE NOTED.

## GARAGE

THE GARAGE FLOOR SHALL BE SLOPED TOWARD GARAGE DOORS DOORS BETWEEN GARAGE AND DWELLING - MIN 1 3/8" SOLD CORE OR HONEY COMBED STEEL DOOR OR 20 MIN. RATED. GARAGE TO HAVE 5/8" TYPE X GYPSUM THROUGHTOUT THE H-FRAM SHALL CONSIST OF 2X6 FRAMING

## GLAZING

GLAZING IN HAZARDOUS LOCATIONS AS IDENTIFIED IN 2018 IRC SHALL BE APPROVED SAFTY GLAZING MATERIALS: GLASS IN STORM DOORS, INDIVIDUAL FIXED OR OPENABLE PANELS ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 24" ARCH OF THE DOOR IN CLOSED POSITION AND WHOSE BOTTEM EDGE IS WITHIN 60" OF THE FLOOR: WALLS ENCLOSED STAIRWAYS AND LANDINGS WHERE THE GLAZING IS WITHIN 60" OF THE TOP OR BOTTEM OF THE STAIR: ENCLOSURES FOR SPAS, TUBS, SHOWERS, AND WHIRLPOOLS: GLAZING IN FIXED OR OPENABLE PANELS EXCEEDING 9 SQ. FT. AND WHOSE BOTTEM EDGE IS LESS THAN 18" ABOVE THE FLOOR OR WALKING SURFACE WITH IN 36"

## EMERGENCY EGRESS

PROVIDE ONE WINDOW FROM EACH BEDROOM THAT HAS A MIN. OPENABLE AREA OF 5.7 SR. FT. WITH A MIN. OPENABLE HEIGHT OF 24" AND WIDTH OD ZI"

## ELECTRICAL OUTLETS

ALL OUTLETS TO BE ARC FAULT CIRCUIT-INTERRUPTER OR GROUND FAULT CIRCUIT-INTERRUPTER PROTECTED EXCEPT.. REFRIGERATOR, SINGLE OUTLET FOR SUMP PUMP AND SINGLE OUTLET IN GARAGE FOR A FREEZER ALL OUTLETS TO BE TAMPER RESISTANT

## CARBON MONOXIDE ALARMS

CARBON MONOXIDE ALARMS FOR NEW CONSTRUCTION, AN APPROVED CARBON MONOXIDE ALARM SHALL BE INSTALLED OUTSOIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS IN DWELLING UNITS WITHIN WHICH FUEL-FIRED APPLIANCES ARE INSTALLED AND IN DWELLING UNITS THAT HAVE ATTACHED GARAGE.

## CARBON MONOXIDE DETECTION SYSTEMS

CARBON MONOXIDE DETECTION SYSTEMS THAT INCLUDE CARBON MONOXIDE DETECTORS AND AUDIBLE NOTIFICATION APPLIANCES, INSTALLED AND MAINTAINED IN ACCORDANCE WITH THIS SECTION FOR CARBON MONOXIDE ALAMS AND NFPA 720, SHALL BE PERMITTED. THE CARBON MONOXIDE DETECTORS SHALL BE LISTED AS COMPLYING WITH UL 2075. WHERE A HOUSEHOLD CARBON MONOXIDE DETECTION SYSTEM IS INSTALLED, IT SHALL BECOME A PERMANENT FIXTURE OF THE OCCUPANCY, OWNED BY THE HOMEOWNER AND SHALL BE MONITORED BY AN APPROVED SUPERVISING STATION.

#### GUARD OPENING LIMITATIONS

REQUIRED GUARDS ON OPEN SIDES OF STAIRWAYS, RAISED FLOOR AREA, BALONIES, AND PORCHES SHALL HAVE INTERMEDIATE RAILS OR ORNAMENTAL CLOSURES THAT DO NOT ALLOW PASSAGE OF A SPHERE 4" OR MORE IN DIAMETER.

#### OPENING PROTECTION

OPENING FROM A PRIVATE GARAGE DIRECTLY INTO A ROOM USED FOR SLEEPING PURPOSES SHALL NOT BE PERMITTED. OTHER OPENINGS BETWEEN THE GARAGE AND RESIDENCE SHALL BE EQUIPPED WITH SOLID WOOD DOORS NOT LESS THAN 13/8" IN THICKNESS, SOLID OR HONEYCOMB-CORE STEEL DOOR NOT LESS THAN 13/8" THICK, OR 20 MINUTE FIRE-RATED DOORS, EQUIPPED WITH A SELF-CLOSING DEVICE.

#### SMOKE ALARMS

PROVIDE SMOKE ALARMS IN EACH SLEEPING ROOM, OUTSIDE OF EACH SLEEPING ROOM AND ON EACH FLOOR, INCLUDING BASEMENT. ALARMS SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTIVATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS IN THE DWELLING.

## FRAMING NOTE

ALL LUMBER SIZES ARE FOR #2 D-FIR-LARCH ALL HEADERS TO BE MIN. (2) #2-2X10 BLOCK CANTILEVERS, DOOR JAMBS, AND OVER BEAMS ALL HEADRS TO BEAR ON MIN. OF (2) 2X4 STUDS JOIST UNDER BEARING PARTITIONS SHALL BE DOUBLED AND COMPLY WITH 2018 IRC WATER-RESISTIVE BARRIER SHALL BE PROVIDED OVER ALL EXTERIOR WALLS PER 2018 IRC

ROOF PLAN NOTES ALL ROOF RAFTERS NOT CALLED OUT ARE TO BE 2×6 SPF #|/#2@16"c

ALL CEILING JOISTS NOT CALLED OUT ARE TO BE 2×6 SPF #1/#2 @ 16"c

ALL VAULTS TO BE FURRED DOWN w/2x MATERIAL TO PROVIDE FOR R-38 INSULATION

ALL EXTERIOR AND LOAD BEARING WINDOW AND DOOR HEADERS TO BE (2) 2x10 D.FIR #2 UNLESS NOTED OTHERWISE ON PLANS ALL RIDGES, HIPS, AND VALLEYS NOT MARKED SHALL BE (1) NOMINAL SIZE LARGER THAN THE INTERSECTING RAFTERS CEILING JOISTS AND RAFTERS SHALL BE NAILED TO EACH OTHER

WITH (3) IGd COM (3 I/2"x0.IG2") NAILS AND THE RAFTER SHALL BE NAILED TO THE TOP WALL PLATE WITH (3) 8d COM (2 1/2"x0.131") NAILS. CEILING JOISTS SHALL BE CONTINUOUS OR SECURELY JOINED WITH (3) IGd COM (3 1/2"x0.162") NAILS WHERE THEY MEET OVER INTERIOR PARTITIONS AND ARE NAILED TO ADJACENT RAFTERS TO PROVIDE A CONTINUOUS TIE ACROSS THE BUILDING WHEN SUCH JOISTS ARE PARALLEL TO THE RAFTERS. WHERE CEILING JOISTS ARE NOT CONNECTED TO THE RAFTERS AT THE TOP WALL PLATE (or AT LOCATIONS WHERE C.J. ARE

PERPENDICULAR TO RAFTERS), INSTALL 2×4 RAFTER TIES, IN THE LOWER 1/3 OF ATTIC SPACE @ 16" = WITH (3) 16d COM

(3 1/2"x0.162") NAILS EA END. COLLAR TIES SHALL BE PROVIDED IN THE ATTIC SPACE IN THE UPPER 1/3 OF ATTIC

RAFTER CONNECTIONS DESIGNED TO RESIST UPLIFT FORCES PER 2018 IRC TABLE 802.11. ROOF HEADERS DO NOT HAVE

NOTABLE UPLIFT TO REQUIRE HOLD DOWNS. PROVIDE METAL FLASHING AT ALL ROOF VALLEYS.

ROOF AND SOFFIT VENTS PER LOCAL CODES. WHERE POSSIBLE, PROVIDE ROOF VENTING ON BACK SIDE OF ROOF. EXACT GUTTER AND DOWNSPOUT LOCATION BY GUTTER INSTALLER.

ROOF IS DESIGNED FOR 20 P.S.F. ROOF SNOW LOAD (MIN.) MIN 20 YR. ASPHALT SHINGLES

RAFTER TIES SHALL NOT BE REQUIED WHEN A STRUCTURAL RIDGE HAS BEEN PROVIDED AND ADEQUATELY DESIGNED (AS IN A FULLY VAULTED ROOM) SUCH SHALL BE NOTED AS "STRUCTURAL" ON THE PLAN. PER 2018 IRC

## ROOF BRACING

ROOF PURLING TO BE PLACED APPROXIMATELY WHERE SHOWN ON ROOF PURLINS, USE 2×6 STUD GRADE PURLIN PLACED PERPENDICULAR TO RAFTERS (UNLESS NOTED OTHERWISE ON PLANS)

RIDGE, HIP, VALLEY, AND PURLIN BRACE STRUTS TO BE PLACED AS SHOWN ON PLANS. STRUTS TO BE 2x4 STUD GRADE w/ MAXIMUM UNBRACED LENGTH OF  $\mathcal{B}'$ -0" AND AT A 45° ANGLE w/ HORIZONTALOR GREATER (VERTICAL WHERE POSSIBLE)

BRACES LONGER THAN  $\vartheta' \cdot \vartheta''$  SHALL BE 2x4 STRONG BACK BRACES EXCEPTIONS:

WINDOWS WHOSE OPENING WILL NOT ALLOW A 4" DIAMETER SPHERE TO PASS THROUGH THE OPENING WHEN THE OPENING IS IN ITS LARGEST OPENED POSITION. OPENINGS THAT ARE PROVIDED WITH WINDOW FALL PREVENTION DEVICES, WHICH COMPLY WITH ASTM F 2090. WINDOWS THAT ARE PROVIDED WITH WINDOW OPENING CONTROL

DEVICES THAT COMPLY WITH SECTION R312.2.2.

## EXHAUST AIR

BATHROOMS, WATER CLOSET COMPARTMENTS AND OTHER SIMILAR ROOMS SHALL BE PROVIDED WITH AGGREGATE GLAZING AREA IN WINDOWS OF NOT LESS THAN 3 SQUARE FEET, ONE-HALF OF WHICH MUST BE OPERABLE EXCEPTION:

THE GLAZED AREAS SHALL NOT BE REQUIRED WHERE ARTIFICIAL LIGHT AND A LOCAL EXHAUST SYSTEM ARE PROVIDED. THE MINIMUM LOCAL EXHAUST RATE SHALL BE DETERMINED IN ACCORDANCE WITH SECTION MIG07. EXHUAST AIR FROM THE SPACE SHALL BE EXHAUSTED DIRECTLY TO THE OUTDOORS

## BRIDGING

JOISTS EXCEEDING A NOMINAL 2" X 12" SHALL BE SUPPOTED LATERALLY BY SOLID BLOCKING, DIAGONAL BRIDGING (WOOD OR METAL), OR A CONTINUOUS I" X 3" STRIP NAILED ACROSS THE BOTTEM OF THE JOIST PERPENDICULAR TO JOIST AT INTERVALS NOT EXCEEDING 8 FEET

## WINDOW AND DOOR NOTES

I. ALL WINDOWS ARE SHOWN IN FEET (1.E. 3050 IS A 3'0"x5'0" WINDOW). ALL DOORS SHOWN IN FEET AND INCHES (1.E. 2868 DOOR IS A 2'-8"×6'-8" DOOR). CONTRACTOR/INSTALLER TO VERIFY R.O. DIMENSIONS WITH BUILDER SUPPLIED CUT SHEET PRIOR TO FRAMING. ENERGY CODE REQUIREMENTS. 3. PROVIDE EGRESS WINDOW IN ALL SLEEPING ROOMS. WINDOWS SHALL COMPLY WITH THE FOLLOWING: A. MINIMUM OPEN AREA

D. SILL HEIGHT 44" MAX ABOVE FLOOR 4. ALL WINDOW SILLS ARE TO BE 24" MIN ABOVE FINISH FLOOR, OR SHALL BE FIXED/INOPERABLE IRC SECTION R308.4: GLAZING IN HAZARDOUS LOCATIONS SHALL

IS LESS THAN 18" ABOVE THE FLOOR OR WALKING SURFACE WITHIN 36"

IRC R612.2.

16 CFR 1201.

I. ALL STUD WALL FRAMING SHALL BE CONTINUOUS FROM THE FLOOR TO ROOF OR CEILING DIAPHRAGM, U.N.O. ALL WALLS OVER 10'-0" ARE TO BE 2x6 @ 16"c U.N.O. 2. PROVIDE WATER-RESISTANT EXTERIOR WALL COVERING ON ALL FRAMED WALLS TO COMPLY WITH IRC SECTION 802.3. 3. PROVIDE GFCI ELECTRICAL OUTLETS ON EXTERIOR, IN UNFINISHED BASEMENT, IN BATHROOMS, ABOVE KITCHEN COUNTERS, IN GARAGE, AND WITHIN 6'-0" OF ANY SINK. 4. ALL EXTERIOR DOORS SERVED BY LANDING. 5. INSTALL CARBON MONOXIDE DETECTORS PER IRC SECTION 315 OUTSIDE OF EACH SLEEPING AREA.

ONE ON EACH FLOOR PER IRC SECTION 314. 7. PROVIDE A "UFER" GROUND PER IRC 3608.1. AND/OR CALCULATIONS. TRIM BEAMS.

SHALL CONSIST OF THE FOLLOWING: 2x6 VERTICAL JAMBS RUNNING FROM FLOOR TO 330-02 PER IRC SECTION R 612.4. TREAD DEPTH OF 10". OTHERWISE ON PLANS NOTED OTHERWISE.

# GENERAL HEADER SPECIFICATIONS:

REQUIRED AREAS NEEDING HEADERS: HEADER DESCRIPTIONS: WINDOWS/DOORS UP TO 38" R.O. WINDOWS/DOORS 38" UP TO 72" R.O. WINDOWS/DOORS 72" UP TO 96" R.O. 8'0" GARAGE DOORS W/CEILING & ROOF LOAD 9'0" GARAGE DOORS W/CEILING & ROOF LOAD 8'0" GARAGE DOORS W/SECOND FLOOR 9'0" GARAGE DOORS W/SECOND FLOOR 16'0" GARAGE DOOR W/NO SECOND FLOOR 16'0" GARAGE DOORS W/SECOND FLOOR

(2) #2 D-FIR 2X10'S (2) #2 D-FIR 2X10'S W/1/2" GLUE PLY (2) 9 1/2" L.V.L. (2) 9 1/2" L.V.L. (2) 9 1/2" L.V.L. (2) 9 1/2" L.V.L. (2) 11 7/8" L.V.L. (2) 11 7/8" L.V.L (2) 14" L.V.L.

USE HEADERS FOR OPENINGS ABOVE UNLESS SPECIFIED OTHERWISE.

- 2. ALL WINDOWS TO BE LOW-E GLASS TO MEET ALL LOCAL

  - 5.7 SQ.FT.
- B. MINIMUM OPENING HEIGHT 24 INCHES C. MINIMUM OPENING WIDTH 20 INCHES
- 5. ALL WINDOWS AND GLAZED DOORS SHALL COMPLY WITH
- BE OF APPROVED SAFETY GLAZING MATERIALS. GLASS IN STORM DOORS, INDIVIDUAL FIXED OR OPERABLE
- PANELS ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 24" ARC OF THE DOOR IN A CLOSED POSITION AND WHOSE BOTTOM EDGE IS WITHIN 60" OF THE FLOOR, WALLS
- ENCLOSING STAIRWAYS AND LANDINGS WHERE THE GLAZING IS WITHIN 60" OF THE TOP OR BOTTOM OF STAIR, ENCLOSURES FOR TUBS, SHOWERS AND WHIRLPOOLS, GLAZING IN FIXED OR OPERABLE PANELS EXCEEDING 9 SF AND WHOSE BOTTOM EDGE
- 6. ALL OPERABLE WINDOWS SHALL HAVE FALL PROTECTION PER
- 7. ALL GLAZING IN WINDOWS AND DOORS SHALL COMPLY WITH THE TEST CRITERIA FOR CATEGORY II IN ACCORDANCE WITH CPSC
- $\mathcal{B}$ . WINDOW MANUFACTURER TO CONFIRM EXACT SAFTEY AND EGRESS WINDOW LOCATIONS PER LOCAL CODES.

GENERAL PLAN REQUIREMENTS

- 6. INSTALL SMOKE DETECTORS IN EACH SLEEPING ROOM,
- OUTSIDE OF EACH SLEEPING AREA, WITH A MINIMUM OF
- 8. REFER TO WALL BRACE SHEET FOR ALL WALL BRACING DETAILS
- 9. INSTALL BLOCKING FOR TP HOLDERS, TOWEL BARS, AND
- 10. GARAGE DOOR H-FRAME: THE H-FRAME FOR ATTACHMENT
- OF THE GARAGE DOOR TRACK AND COUNTER BALANCE
- CELING ATTACHED WITH 3 1/4"x.120 NAILS @ 7" STAGGERED WITH (7) 3 1/4x.120 NAILS THRU JAMB INTO HEADER, MINIMUM 2x8 HEADER FOR ATTACHMENT OF COUNTER BALANCE SYSTEM. II. OVERHEAD GARAGE DOORS TO MEET 90 MPH WIND LOAD RESISTANCE REQUIREMENTS OF DASMA 108-5 AND ASTM E
- 12. MAXIMUM RISER HEIGHT OF STAIRWAYS SHALL NOT EXCEED 7 3/4" MAXIMUM RISER HEIGHT OF STAIRWAYS SHALL NOT EXCEED 7 3/4" AND THE TREADS SHALL PROVIDE A MINIMUM
- 13. ALL EXTERIOR AND LOAD BEARING WINDOW AND DOOR HEADERS TO BE (2) 2x10 D.FIR #2 UNLESS NOTED
- 14. ALL HEADER BEARINGS (OTHER THAN WINDOWS) TO BE (2) 2x4 STUDS UNLESS NOTED OTHERWISE.
- WINDOW HEADER BEARING TO BE (1) 2x4 EA END UNLESS

## GENERAL FOUNDATION REQUIRMENTS

- I. ALL FOOTINGS ARE TO BE EXTENDED TO MIN 36" BELOW
- FINISHED GRADE.
- 2. ALL INTERIOR FOOTINGS FOR LOAD BEARING WALLS AND COLUMNS SHALL BE ISOLATED FROM THE BASEMENT FLOOR SLAB.
- 3. FOR ALL CONC WALL OPENINGS, FOOTING & WALL STEPS, PROVIDE ONE #4 BAR, 48" LONG DIAGONALLY AS CLOSE AS
- PRACTICAL TO CORNER.
- 4. ALL REINFORCEMENT SHALL BE LAPPED A MIN OF 24" AT ENDS SPLICES AND AROUND CORNERS.
- 5. ANCHOR BOLTS ARE TO BE SPACED @ 36" WITH 7" MIN EMBED. A BOLT SHALL BE PLACED WITHIN 12" OF THE END OF EACH PLATE SECTION.
- 6. FASTEN JOISTS TO SILL PLATES WITH (3) 8d COM NAILS. 7. WHERE JOIST IS PARALLEL TO FOUNDATION, PROVIDE SOLID BLOCKING @ 32" & FOR (3) JST SPACES. FASTEN TO SILL PLATE
- PER NOTE 6. 8. VAPOR BARRIER: 6 MIL PE VAPOR RETARDER WITH JOINTS
- LAPPED A MIN OF 6" BETWEEN SLAB & BASE. 9. DAMP PROOFING: ONE COAT (MIN) OF DAMP PROOFING OR EQUIVALENT FOUNDATION MEMBRANE SHALL BE APPLIED TO EXTERIOR WALL SURFACES BELOW GRADE. SEAL TIE HOLES,
- VOIDS BEFORE APPLICATION. 10. FOUNDATION DRAIN: INSTALL CONT 4"- PERFORATED PVC DRAIN TILE. DRAIN TILE TO BE EXTENDED TO SQUARE SUMP
- PIT WHICH EXTENDS A MIN 24" BELOW BASEMENT FLOOR. II. ALL FRAMING MEMBERS IN CONTACT WITH CONCRETE SHALL BE ACQ TREATED LUMBER.
- 12. ALL STEEL FASTENERS (INCLUDING FOUND. ANCHOR BOLTS) ON ACQ TO BE (DOUBLE HOT-DIPPED) GALVANIZED.
- 13. PROVIDE A "UFER" GROUND PER IRC 3608.1 PROVIDE A "UFER" GROUND PER IRC 3608.1 14. EGRESS WELL REQUIREMENTS:
- A. IF THE VERTICAL DISTANCE FROM THE WINDOW SILL TO ADJACENT GRADE IS GREATER THAN 44", PROVIDE A LADDER.
- B. ADD DRAIN TO DAYLIGHT OR SUMP PUMP.

ENERGY REQUIRMENTS

CONTRACTOR TO PROVIDE ENERGY AUDIT USING THE HERS ENERGY RATING SYSTEM. IN LIEU OF AN ENERGY AUDIT, THE FOLLOWING PRESCRIPTIVE REQUIREMENTS MAY BE FOLLOWED:

A. ALL DUCTS, AIR HANDLERS, FILTER BOXES, AND BUILDING ALL DUCTS, AIR HANDLERS, FILTER BOXES, AND BUILDING CAVITIES TO BE SEALED PER IRC SECTION NII03.2. B. THE BUILDING THERMAL ENVELOPE IS REQUIRED TO BE SEALED THE BUILDING THERMAL ENVELOPE IS REQUIRED TO BE SEALED PER IRC SECTION NII02.4. C. CONTRACTOR TO SUBMIT "MANUAL J" AND "MANUAL D" CALCULATIONS FOR THE HVAC SYSTEM D. INSULATION TO COMPLY WITH IECC AS FOLLOWS:

INSULATION TO COMPLY WITH IECC AS FOLLOWS:

ALLS	
EILING (FLAT)	
EILING (VAULTED)	

FLOORS OVER

SLABS

DUCTWORK

WINDOWS

UNCONDITIONED SPACE

U-FACTOR

U-FACTOR

SHGC

SHGC

SKYLIGHTS

CRAWL SPACE WALLS

BASEMENT WALLS

R-49 R-39 (NOTE: VAULTED AREA NOT TO 50059 ft OR 20% OF ROOF AREA, WHICHEVER IS LESS)

R-19 R-13 (or R-10 CONTINUOUS) R-13 (or R-10 CONTINUOUS) N/R R-8

R-13

U 0.35 (MAX) 0.40 (MAX)

> U 0.55 (MAX) 0.40 (MAX)

	DESCRIPTION OF BUI ELEMENTS	NUMBER AND TYPE OF FASTENER <sup>a, b, c</sup> FAST		
9	Blocking between joists or		800f 3-8d (2 <sup>1</sup> /2* ×	
-	rafters to top plate, toe	0.113") 3-8d (2 <sup>1</sup> /2" ×	83	
Z	Ceiling joists to plate, to	ed to	0.113″)	807
3	parallel rafter, laps over partitions, face nail		3-10d	33
4	Collar tie to rafter, face nail or 1 <sup>1</sup> /4" × 20 gage ridge strap		3-10d (3" × 0.128")	10
5	Rafter or roof truss to plate, toe nail		3-16d box nails (3 <sup>1</sup> / <sub>2</sub> " × 0.135") or 3-10d common nails (3" × 0.148")	2 toe nails i and 1 toe n opposite sid rafter or tru
6	Roof rafters to ridge, valley or hip rafters: toe nail face nail		(3 × 0.148 ) 4-16d (3 <sup>1</sup> /2" × 0.135") 3-16d (3 <sup>1</sup> /2" ×	10
7	Built-up studs-face nail Abutting studs at interse	ecting	Wall 10d (3" × 0.128") 16d (3 <sup>1</sup> /2" ×	24″
•	wall corners, face nail Built-up header, two pie	ces	0.135") 16d (3 <sup>1</sup> /2" ×	12 16″ o.c. a
3	with 1/2" spacer	14000000	0.135") 16d (3 <sup>1</sup> /2" ×	ed 16″ o.c. a
10	Continued header, two p	neces	0.135 <sup>*</sup> )	ed
11	nail		0.113")	
13	Double studs, race nam Double top plates, face	nail	10d (3 × 0.128 ) 10d (3" × 0.128")	24
14	24-inch offset of end joi face nail in lapped area	num nts,	8-16d (3 <sup>1</sup> /2" × 0.135")	89
15	Sole plate to joist or blo face pail	icking,	16d (3 <sup>1</sup> /2" ×	16″
16	Sole plate to joist or blo	icking	3-16d (3 <sup>1</sup> /2" ×	16″
20070	ac proced wall panels	31	0.135") 3-8d (2 <sup>1</sup> /2" ×	05756
17	Stud to sole plate, toe n	ail	0.113") or 2-16d $(3^{1}/2" \times 0.135")$	10
18	Top or sole plate to stuc nail	l, end	2-16d (3 <sup>1</sup> /2" × 0.135")	8
19	Top plates, laps at corne intersections, face nail	ers and	2-10d (3" × 0.128")	1
20	1″ brace to each stud a	nd	2-8d (2 <sup>1</sup> /2" × 0.113")	93
	plate, face nail		2 staples 1 <sup>3</sup> /4" ×	
21	1″ × 6″ sheathing to ea bearing, face nail	ch	2-8d (2 <sup>1</sup> /2" × 0.113")	80-
	1		2 staples 1 %/4" 2-8d (2 <sup>1</sup> /2" ×	
22	bearing, face nail	cn	0.113") 3 staples 1 <sup>3</sup> / 4	10-
23	Wider than 1" × 8" sheathing to each bearing, face nail		3-8d (2 <sup>1</sup> /2" × 0.113") 4 staples 1 <sup>3</sup> /4"	18-
24	l Joist to sill or girder toe	nail	Floor 3-8d (2 <sup>1</sup> /2″ ×	
	Rim joist to top plate, to	be nail	0.113") 8d (2 <sup>1</sup> /2" ×	~ ~ ~
25	(roof applications also) Rim joist or blocking to	sill	0.113") 8d (2 <sup>1</sup> /a" x	D.
26	plate, toe nail	200	0.113")	6″
27	1" × 6" subfloor or less each joist, face nail	to	2-80 (21/2" × 0.113")	8—
28	2″ subfloor to joist or gi	rder,	2-16d (3 <sup>1</sup> /2" ×	
20	blind and face nail 2″ planks (plank & beam -		0.135") 2-16d (3 <sup>1</sup> /2" ×	ateach
	floor & roof)		0.135")	Nail each la
30	Built-up girders and bea 2-inch lumber layers	ims,	10d (3″ × 0.128″)	and bottom staggered. Two nails at
30 31	Built-up girders and bea 2-inch lumber layers Ledger strip supporting	ims, joists	10d (3" × 0.128") 3-16d (3 <sup>1</sup> /2" ×	and bottom staggered. Two nails at at each spli
30 31	Built-up girders and bea 2-inch lumber layers Ledger strip supporting or rafters	ims, joists	10d (3" × 0.128") 3-16d (3 <sup>1</sup> /2" × 0.135")	and bottom staggered. Two nails at at each spli
30 31 TABLE F	Built-up girders and bea 2-inch lumber layers Ledger strip supporting or rafters 2002.3(1)-continued FASTENE	joists R SCHEDU	10d (3" × 0.128") 3-16d (3 <sup>1</sup> /2" × 0.135") LE FOR STRUCTURAL ME	At each jo
30 31 ITEM	Built-up girders and bea 2-inch lumber layers Ledger strip supporting or rafters 2002.3(1)—continued FASTENE DESCRIPTION OF BUILDING MATERIALS	joists R SCHEDU DE F	10d (3" × 0.128") 3-16d (3 <sup>1</sup> /2" × 0.135") LE FOR STRUCTURAL ME SCRIPTION OF ASTENER <sup>b, c, e</sup>	And bottom staggered. Two nails at at each spli At each jo MBERS Edges (inches)
30 31 ABLE F ITEM	Built-up girders and bea 2-inch lumber layers Ledger strip supporting or rafters 2002.3(1)-continued FASTENE DESCRIPTION OF BUILDING MATERIALS and structural panels, su	joists R SCHEDU DE Jubfloor,	10d (3" × 0.128") 3-16d (3 <sup>1</sup> / <sub>2</sub> " × 0.135") LE FOR STRUCTURAL ME SCRIPTION OF ASTENER <sup>b, c, e</sup> roof and interior w sheathing to mon (2" × 0.113")	At each spli At each spli At each spli At each spli BERS Edges (inches) rall sheathin framing
30 31 ABLE F ITEM 32	Built-up girders and bea 2-inch lumber layers Ledger strip supporting or rafters R002.3(1)-continued FASTENE DESCRIPTION OF BUILDING MATERIALS POD structural panels, st 3/8" - 1/2"	joists R SCHEDU DE F Jbfloor, abfloor, add comm	10d (3" × 0.128") 3-16d (3 <sup>1</sup> / <sub>2</sub> " × 0.135") LE FOR STRUCTURAL ME SCRIPTION OF ASTENER <sup>b, c, e</sup> roof and interior w sheathing to mon (2" × 0.113") offloor wally mon (2 <sup>1</sup> / <sub>2</sub> " × 0.131")	And bottom staggered. Two nails at at each spli At each jo MBERS Edges (inches) rall sheathin framing
30 31 ABLE F ITEM 32 33	Built-up girders and bea 2-inch lumber layers Ledger strip supporting or rafters 2002.3(1)-continued FASTENE DESCRIPTION OF BUILDING MATERIALS 200d structural panels, su 3/8" - 1/2" 19/32" - 1"	joists R SCHEDUI DE F Joffoor, 6d comm nail (sub 8d comm nail (roc 8d comm	10d (3" × 0.128") 3-16d (3 <sup>1</sup> / <sub>2</sub> " × 0.135") LE FOR STRUCTURAL ME SCRIPTION OF ASTENER <sup>b, c, e</sup> roof and interior w sheathing to mon (2" × 0.113") offloor wally non (2 <sup>1</sup> / <sub>2</sub> " × 0.131") sf)	Edges (inches) ramin staggered, Two nails at at each spli At each jo BBERS Edges (inches) rall sheathin framing 6
30 31 ABLE F 32 33	Built-up girders and bea 2-inch lumber layers Ledger strip supporting or rafters R602.3(1)-continued FASTENE DESCRIPTION OF BUILDING MATERIALS rod structural panels, su 3/8" - 1/2" 19/32" - 1"	inns, joists R SCHEDUI DE F F Jabfloor, 6d comr nail (sut 8d comr nail (roc 8d comr 0.131") 10d con nail of co	10d $(3'' \times 0.128'')$ 3-16d $(3^{1}/2'' \times 0.135'')$ LE FOR STRUCTURAL ME SCRIPTION OF ASTENER <sup>b, c, e</sup> roof and interior w sheathing to mon (2'' × 0.113'') offloor wall) <sup>j</sup> mon nail (2 <sup>1</sup> /2'' × 0.131'') offloor wall (2 <sup>1</sup> /2'' × 0.131'') mon nail (2 <sup>1</sup> /2'' × 0.138'')	Edges Edges (inches) rall sheathin framing 6 6
30 31 ABLE F 32 33 34	Built-up girders and bea 2-inch lumber layers Ledger strip supporting or rafters REGULS(1)-continued FASTENE DESCRIPTION OF BUILDING MATERIALS Dod structural panels, so $3/_8$ " - $1/_2$ " $19/_{32}$ " - 1" $1^{1}/_6$ " - $1^{1}/_4$ "	joists R SCHEDUI B B B Common nail (sub B Common Common B Common B Common Common B Common Com	10d (3" × 0.128") 3-16d (3 <sup>1</sup> / <sub>2</sub> " × 0.135") LE FOR STRUCTURAL ME SCRIPTION OF ASTENER <sup>b, 5, 6</sup> roof and interior w sheathing to non (2" × 0.113") offloor wally mon (2 <sup>1</sup> / <sub>2</sub> " × 0.131") off mon nail (2 <sup>1</sup> / <sub>2</sub> " × atmon (3" × 0.148") 2" × 0.131") ed nail	Edges (inches) framing 6 6
30 31 <b>TABLE F</b> 32 33 34	Built-up girders and bea 2-inch lumber layers Ledger strip supporting or rafters BUILDING MATERIALS BOO structural panels, so 3/8" - 1/2" 19/32" - 1" 1 <sup>1</sup> /6" - 1 <sup>1</sup> /4"	inns, joists R SCHEDUI Bd Comr nail (suu 8d comr nail (roc 8d comr 0.131") 10d com nail or 8d (21', deforme 11/2" g; nail, 7/1	10d (3" × 0.128") 3-16d (3 <sup>1</sup> / <sub>2</sub> " × 0.135") LE FOR STRUCTURAL ME SCRIPTION OF ASTENER <sup>b, c, c</sup> roof and interior w sheathing to non (2" × 0.113") offior wally mon (2 <sup>1</sup> / <sub>2</sub> " × 0.131") official (2 <sup>1</sup> / <sub>2</sub> " × nmon (3" × 0.148") 2" × 0.131") ed nail Other wall sh alvanized roofing 6" crown or 1" crown	Edges (inches) (inche
30 31 ABLE F 32 33 34 35	Built-up girders and bea 2-inch lumber layers Ledger strip supporting or rafters <b>E02.3(1)-continued FASTENE</b> <b>DESCRIPTION OF</b> <b>BUILDING MATERIALS</b> <b>TO STRUCTURE DATERIALS</b> <b>TO STRUCTURE DATERIALS</b> <b>TO STRUCTURE DATERIALS</b> <b>1</b> $1/8^{\circ}$ - 1 $1/2^{\circ}$ <b>1</b> $1/8^{\circ}$ - 1 $1/4^{\circ}$ <b>1</b> $1/8^{\circ}$ - 1 $1/4^{\circ}$	ims, joists <b>R SCHEDU</b> <b>DE</b> <b>F</b> <b>Jbfloor,</b> 6d comm nail (sub 8d comm 0.131") 10d com nail (roc 8d comm 0.131") 10d com 10d com 11/2" gi 11/2" gi 11/2	10d $(3'' \times 0.128'')$ 3-16d $(3^{1}/2'' \times 0.135'')$ LE FOR STRUCTURAL ME SCRIPTION OF ASTENER <sup>b, c, e</sup> roof and interior v sheathing to mon $(2'' \times 0.138'')$ offior wally mon $(2^{1}/2'' \times 0.138'')$ officer wall sheathing 0 ther wall sheathing 0 ther wall sheathing alvanized roofing 6 ga, 1^{1}/4'' long alvanized roofing	Edges at each spli At each spli At each spli At each spli BHBERS Edges (inches) vall sheathin framing 6 6 6 6
30 31 ABLE F 32 33 34 35 36	Built-up girders and bea 2-inch lumber layers Ledger strip supporting or rafters BUILDING MATERIALS Sod structural panels, su 3/8" - 1/2" 19/32" - 1" 1 <sup>1</sup> /8" - 1 <sup>1</sup> /4" <sup>1</sup> /2" structural cellulosic fiberboard sheathing	ims, joists <b>R SCHEDUI</b> <b>B</b> <b>B</b> <b>B</b> <b>C</b> <b>B</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b>	10d $(3'' \times 0.128'')$ 3-16d $(3^{1}/2'' \times 0.135'')$ LE FOR STRUCTURAL ME SCRIPTION OF ASTENER <sup>5, 5, 6</sup> roof and interior v sheathing to ono $(2'' \times 0.131'')$ offloor wall? mon (2^{1}/2'' \times 0.131'') offloor wall? mon nail $(2^{1}/2'' \times 0.131'')$ offloor wall? aumon (3'' × 0.148'') 2'' × 0.131'') ed nail Other wall sh alvanized roofing 6'' crown or 1'' crowr 6 ga, 1^{1}/2'' long	At each spli At each spli At each spli At each spli BERS Edges (inches) vall sheathin framing 6 6 6 6
30 31 (ABLE F 32 33 34 35 36 37	Built-up girders and bea 2-inch lumber layers Ledger strip supporting or rafters 3002.3(1)-continued FASTENE DESCRIPTION OF BUILDING MATERIALS 30d structural panels, su 3/8" - 1/2" 19/32" - 1" 1 <sup>1</sup> /8" - 1 <sup>1</sup> /4" <sup>1</sup> /2" structural cellulosic fiberboard sheathing <sup>25</sup> /32" structural cellulosic fiberboard sheathing <sup>1</sup> /2" gypsum sheathing <sup>4</sup>	ims, joists <b>R SCHEDUI</b> <b>B</b> <b>B</b> <b>B</b> <b>C</b> <b>B</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b> <b>C</b>	10d $(3'' \times 0.128'')$ 3-16d $(3^{1}/2'' \times 0.135'')$ LE FOR STRUCTURAL ME SCRIPTION OF ASTENER <sup>b, 5, 6</sup> roof and interior w sheathing to non $(2'' \times 0.131'')$ offior wall) <sup>2</sup> mon nail $(2^{1}/2'' \times 0.131'')$ offior wall) <sup>2</sup> won nail $(2^{1}/2'' \times 0.131'')$ at an	Industion in the second
30 31 ABLE F 32 33 34 35 36 37 38	Built-up girders and bea 2-inch lumber layers Ledger strip supporting or rafters <b>R602.3(1)-continued FASTENE</b> <b>DESCRIPTION OF</b> <b>BUILDING MATERIALS</b> <b>rod structural panels, su</b> $3/_8" - 1/_2"$ $1^9/_{32}" - 1"$ $1^1/_8" - 1^1/_4"$ $1/_2"$ structural cellulosic fiberboard sheathing $2^{5}/_{32}"$ structural cellulosic fiberboard sheathing $1/_2"$ gypsum sheathing <sup>d</sup> $5/_8"$ gypsum sheathing <sup>d</sup>	Inns, joists R SCHEDU DE F Jbfloor, 6d comm nail (sub 8d comm nail (sub 8d comm 0.131") 10d com 8d (21/; deforme 11/2" gr nail, 7/1 staple 1 1 <sup>3</sup> /4" gr nail; staple 1 1 <sup>3</sup> /4" gr nail; 1 <sup>3</sup> /4" gr 1 <sup>3</sup> /4"	10d $(3^{"} \times 0.128^{"})$ 3-16d $(3^{1}/2^{"} \times 0.135^{"})$ LE FOR STRUCTURAL ME SCRIPTION OF ASTENER <sup>b. c. e</sup> roof and interior w sheathing to mon $(2^{"} \times 0.131^{"})$ offor wally <sup>1</sup> mon nail $(2^{1}/2^{"} \times 0.131^{"})$ off mon nail $(2^{1}/2^{"} \times 0.131^{"})$ off mon nail $(2^{1}/2^{"} \times 0.131^{"})$ and mail Other wall sh alvanized roofing 6" crown or 1" crown 6 ga., 1 <sup>1</sup> /2" long alvanized roofing 6" crown or 1" crown 6 ga., 1 <sup>1</sup> /2" long alvanized roofing ble galvanized, ng; 1 <sup>1</sup> /4 screws, or S alvanized roofing ple galvanized, ng; 1 <sup>1</sup> /4 screws, or S alvanized roofing ple galvanized, ng; 1 <sup>1</sup> /4 screws, or S	Industation in the second seco
30 31 ABLE F 32 33 34 35 36 37 38 Å	Built-up girders and bea 2-inch lumber layers Ledger strip supporting or rafters 202.3(1)-continued FASTENE DESCRIPTION OF BUILDING MATERIALS od structural panels, su 3/8" - 1/2" 19/32" - 1" 1 <sup>1</sup> /8" - 1 <sup>1</sup> /4" <sup>1</sup> /2" structural cellulosic fiberboard sheathing <sup>25</sup> /32" structural cellulosic fiberboard sheathing <sup>1</sup> /2" gypsum sheathing <sup>d</sup> <sup>5</sup> /6" gypsum sheathing <sup>d</sup> Wood str	inns, joists R SCHEDU DE F Joffoor, 6d cominail (sul 8d cominail (sul 8d cominail or 8d (sul 11/2" gi nail, 7/1 staple 1 11/2" gi nail, 7/1 staple 1 11/2" gi nail, 7/1 staple 1 11/2" gi nail; sta 11/2" gi nail; sta 11/2" gi 11/2" gi 11/	10d $(3^{"} \times 0.128^{"})$ 3-16d $(3^{1}/2^{"} \times 0.135^{"})$ LE FOR STRUCTURAL ME SCRIPTION OF ASTENER <sup>b, c, e</sup> roof and interior w sheathing to mon $(2^{1}/2^{"} \times 0.138^{"})$ offior wally <sup>1</sup> mon $(2^{1}/2^{"} \times 0.138^{"})$ offior wally <sup>1</sup> mon $(2^{1}/2^{"} \times 0.138^{"})$ officer wall sh alvanized roofing 6'' arown or 1'' crown 6 ga, 1 <sup>1</sup> /4'' long alvanized roofing ple galvanized, ng; 1 <sup>1</sup> /4 screws, or S alvanized roofing ple galvanized, ng; 1 <sup>5</sup> /8'' screws, or S	At each spli At each spli At each spli At each spli BERS Edges (inches) vall sheathin framing 6 6 6 6 6 6 6 7 7 7 7
30 31 ABLE F 32 33 34 35 36 37 38 Å 39	Built-up girders and bea 2-inch lumber layers Ledger strip supporting or rafters BUILDING MATERIALS DESCRIPTION OF BUILDING MATERIALS ad structural panels, su 3/8" - 1/2" 19/32" - 1" 11/8" - 11/4" 1/2" structural cellulosic fiberboard sheathing 25/32" structural cellulosic fiberboard sheathing 1/2" gypsum sheathingd 5/8" gypsum sheathingd Wood str 3/4" and less	inits, ipoists R SCHEDUI PE P abfloor, 6d comm nail (roo 8d comm nail (roo 8d comm nail (roo 8d comm 11/2" (9th nail, 7/1 staple 1 13/4" (9th nail, 7/1 staple 1 15/8" (9th staple 1) 15/8" (9th staple 1) 15/8" (9th staple 1) 15/8" (9th staple 1) 15/8" (9th staple 1) 15/8" (9th staple 2) 15/8"	10d $(3" \times 0.128")$ 3-16d $(3^{1}/_{2}" \times 0.135")$ LE FOR STRUCTURAL ME SCRIPTION OF ASTENER <sup>b, c, e</sup> roof and interior w sheathing to mon $(2" \times 0.113")$ offior wally mon $(2^{1}/_{2}" \times 0.131")$ offior wally mon nail $(2^{1}/_{2}" \times 0.131")$ offic and the set of the set	Edges (inches)       WBERS       Edges (inches)       wall sheathin framing       6       6       6       7       7       7       7       6
30 31 ABLE F 32 33 34 35 36 37 38 Å 39	Built-up girders and bea 2-inch lumber layers Ledger strip supporting or rafters R02.3(1)-continued FASTENE DESCRIPTION OF BUILDING MATERIALS rod structural panels, su 3/8" - 1/2" 19/32" - 1" 1 <sup>1</sup> /8" - 1 <sup>1</sup> /4" <sup>1</sup> /2" structural cellulosic fiberboard sheathing <sup>25</sup> /32" structural cellulosic fiberboard sheathing <sup>1</sup> /2" gypsum sheathing <sup>d</sup> <sup>5</sup> /6" gypsum sheathing <sup>d</sup> Wood structural cellulosic fiberboard sheathing	inns, joists R SCHEDU DE F Joffoor, 6d comm nail (sut 8d comm 0.131") 10d com nail (roc 8d comm 0.131") 10d com nail (roc 8d comm 0.131") 10d com nail or 8d (2 <sup>1</sup> /, deforme 1 <sup>3</sup> /4" gr nail, 7/1 staple 1 1 <sup>3</sup> /4" gr nail, 7/1 staple 1 1 <sup>3</sup> /4" gr nail, 7/1 staple 1 1 <sup>3</sup> /4" gr nail, 7/2" staple 1 1 <sup>3</sup> /4" gr nail, 7/3 staple 2 1 <sup>3</sup> /4" gr nail, 7/3 staple 3 1 <sup>3</sup> /4" gr nail, 7/3 staple 4 1 <sup>5</sup> /8" lo Staple 4 8 d comm Raid 0 8 d comm 1 <sup>3</sup> /4" gr nail 0 1 <sup>3</sup> /4" gr 1	10d $(3^{"} \times 0.128^{"})$ 3-16d $(3^{1}/2^{"} \times 0.135^{"})$ EF FOR STRUCTURAL ME SCRIPTION OF ASTENER <sup>b, c, e</sup> roof and interior v sheathing to mon $(2^{1} \times 0.138^{"})$ offior wally <sup>1</sup> mon $(2^{1}/2^{"} \times 0.138^{"})$ offior wally <sup>1</sup> mon $(2^{1}/2^{"} \times 0.148^{"})$ $(2^{*} \times 0.131^{"})$ d nail $(2^{1}/2^{"} \times 0.148^{"})$ $(2^{*} \times 0.131^{"})$ d nail Other wall sh alvanized roofing 6" crown or 1" crown 6 ga., $1^{1}/4^{"}$ long alvanized roofing 6" crown or 1" crown 6 ga., $1^{1}/4^{"}$ long alvanized roofing 6" crown or 1" crown 6 ga., $1^{1}/4^{"}$ long alvanized roofing ple galvanized, ng; $1^{5}/8^{"}$ screws, or S panels, combination rmed (2" $\times 0.120^{"})$ mon $(2^{1}/2^{"} \times 0.131^{"})$	Industant Sector Secto
30 31 TABLE F ITEM WO 32 33 34 35 36 37 38 Å 39 40	Built-up girders and bea 2-inch lumber layers Ledger strip supporting or rafters <b>E002.3(1)-continued FASTENE</b> <b>DESCRIPTION OF BUILDING MATERIALS</b> <b>ood structural panels, su</b> $3/_8" - 1/_2"$ $19/_{32}" - 1"$ $1^1/_8" - 1^1/_4"$ $1/_2"$ structural cellulosic fiberboard sheathing $2^{5}/_{32}"$ structural cellulosic fiberboard sheathing $1/_2"$ gypsum sheathing <sup>d</sup> <b>Wood str</b> $3/_4"$ and less $7/_8" - 1"$	inns, joists R SCHEDUI DE F Joffoor, 6d comm nail (su 8d comm 0.131") 10d com nail or 8d (21/; deformed 11/2" gi nail, 7/1 staple 1 13/4" gi nail, 7/1 staple 1 11/2" gi nail, 7/1 staple 1 10/2" gi 8d comm nail or 8d comm nail or 8d comm	10d $(3'' \times 0.128'')$ 3-16d $(3^{1}/2'' \times 0.135'')$ LE FOR STRUCTURAL ME SCRIPTION OF ASTENER <sup>9, 5, 6</sup> roof and interior v sheathing to non $(2'' \times 0.131'')$ offior wall) <sup>2</sup> mon nail $(2^{1}/2'' \times 0.131'')$ offior wall) <sup>2</sup> mon nail $(2^{1}/2'' \times 0.131'')$ offior and interior v size of and interior v (3'' $\times 0.148'')$ (2'' $\times 0.131'')$ and nail Other wall sh alvanized roofing 6'' crown or 1'' crown 6 ga., 1 <sup>1</sup> /4'' long alvanized roofing fe'' crown or 1'' crown 6 ga., 1 <sup>1</sup> /4'' long alvanized roofing ple galvanized, ng; 1 <sup>1</sup> /4 screws, or S panels, combination rmed (2'' $\times 0.131'')$ mon $(2^{1}/2'' \times 0.131'')$ rmed $(2^{1}/2'' \times 0.131'')$ rmed $(2^{1}/2'' \times 0.131'')$	Industrial and bottom staggered. Two nails at at each spli at each spli at each spli at each spli framing framing 6 6 6 6 6 6 6 6 6 6 6 6 6 7 7 7 7 7 7

TABLE R602.3(1) FASTENER SCHEDULE FOR STRUCTURAL MEMBERS

## Foundation Wall Reinforcement Schedule - Table 2

C	oncrete strength/Grade	8 inch	thick			
R	einforcement #4 bar	8'	9'			
	3.000 psi / Grade 40	16	12			
	3,500 psi / Grade 40	16	12			
	3 000 psi / Grade 60	24	16			
	3,500 psi / Grade 60	24	16			
H	orizontal reinforcement -	Minim	um G			
C	one bar 12" from top of wall; maximum spacing 24" o.c.	4-#4	5-#4			
3) 4)	<ul> <li>24 Inch on center may be placed in the middle of the Wall reinforcement place as follows:</li> <li>a) 8-inch wall - Minimum 5 inches from the outside face</li> <li>b) 10-inch wall - Minimum 6.75 inches from the outside</li> <li>c) Extend bars to within 8 inches of the top of the wall.</li> <li>Reinforcement clearances:</li> <li>a) Concrete exposed to earth - minimum 1-1/2 inches.</li> <li>b) Not exposed to weather (interior side of walls) - minic</li> <li>c) Concrete exposed to weather (top clearance in garage Horizontal reinforcement:</li> <li>a) One bar shall be placed within 12 inches of the top of</li> <li>b) Other bars shall be equally spaced with spacing not top.</li> <li>c) Horizontal bars should be as close to the tension face</li> </ul>					
5)	<ul> <li>d) Supplemental reinforcement (i.e.2"</li> <li>d) Supplemental reinforcement at c angle at corners of openings per inside corners</li> <li>Reinforcement shall be lapped a min at masoprovidedres the minimum wall</li> </ul>	towards tr orners - P Figure 4a imum 24 i	lace 1 #4 lace 1 #4 . Place I nches at			
6) 7)	At masonry ledges the minimum wall exceed a depth of more than 24 inch than 4 inches provide #4 bars at may the wall	thickness es below t kimum 24	s shall be the top o inches or			



**RELEASE FOR** CONSTRUCTION AS NOTED ON PLANS REVIEW Development Services LEE'S SUMMIT, MISSOUR





A ALTERNATE BRACED WALL PANEL . Method CS-PF: Continuously sheathed portal frame

BRACED WALL LINES						
WALL	SPACING	TYPE	REQ'D	PROVIDED		
I	12' 0"	ЦВ	6'6"	12' 0"		
2	23' 10"	Ц В/GВ	O' 6"	16' 0"		
3	11' 10"	ЦВ	6'6"	12' 0"		
A	17' 10"	LIB	6'6"	12' 0"		
В	29'0"	LI B/GB	9' 6"	12' 0"		
с	11' 2"	LI B/PFH	6'6"	13' 2"		



RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW Development Services LEE'S SUMMIT, MISSOURI