

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. BUILDER/CONTRACTOR TO CHECK FOR COMPLIANCE WITH CONTRACTS, CITY, AND NATIONAL CODES. BUILDER/CONTRACTOR ACCEPTS ALL RESPONSIBILITY FOR LOT PLACEMENT, SET-BACKS, AND FLOOD PLANS. BUILDER/CONTRACTOR AND HOME OWNER ACCEPTS RESPONSIBILITY FOR ANY AND ALL COMPROMISES, IMPROVEMENTS OR REDESIGNANCES TO OTHER COMPROMISED PLANS. BUILDER/CONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY ON SITE CHANGES MADE TO STRUCTURE.



A circular red seal for the State of Missouri Professional Engineer. The outer ring contains the text "STATE OF MISSOURI" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two red stars. The inner circle contains the name "AARON DELAUNE OBERMILLER" and the text "NUMBER PE-0008019580". A blue ink signature "Aaron D. Obermiller" and the date "4-26-20" are written across the seal.

SF-7008 (LOT 126)





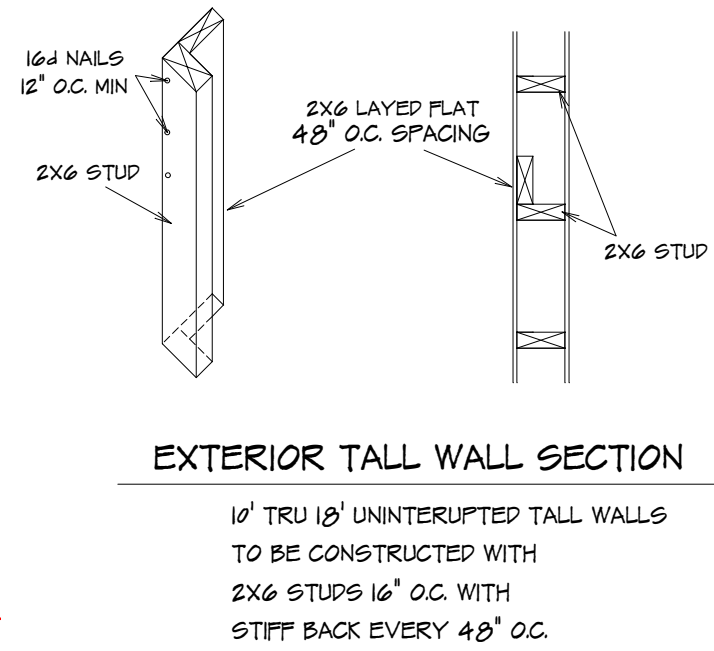


SEE ELEVATION FOR  
WALL HEIGHTS

NOTE.. ELECTRICAL SERVICE  
TO BE 200 AMP.

NOTE.. DOUBLE JOIST UNDER  
ALL PARALLEL WALLS  
ABOVE UNLESS NOTED

S.D.  
= SMOKE DETECTOR



#### GENERAL HEADER SPECIFICATIONS:

REQUIRED AREAS NEEDING HEADERS:	HEADER DESCRIPTIONS:
WINDOWS/DOORS UP TO 38" R.O.	(2) #2 D-FIR 2X10'S
WINDOWS/DOORS 38" UP TO 72" R.O.	(2) #2 D-FIR 2X10'S W/1/2" GLUE FLY
WINDOWS/DOORS 72" UP TO 96" R.O.	(2) 3 1/2" LVL
8'0" GARAGE DOORS W/CEILING & ROOF LOAD	(2) 3 1/2" LVL
9'0" GARAGE DOORS W/CEILING & ROOF LOAD	(2) 3 1/2" LVL
8'0" GARAGE DOORS W/SECOND FLOOR	(2) 3 1/2" LVL
9'0" GARAGE DOORS W/SECOND FLOOR	(2) 11 7/8" LVL
12'0" GARAGE DOOR W/NO SECOND FLOOR	(2) 11 7/8" LVL
16'0" GARAGE DOORS W/SECOND FLOOR	(2) 14" LVL

USE HEADERS FOR OPENINGS ABOVE UNLESS SPECIFIED OTHERWISE.

#### R312.2.1 Window sills.

In dwelling units, where the opening of an operable window is located more than 72 inches (1829 mm) above the finished grade or surface below, the lowest part of the clear opening of the window shall be a minimum of 24 inches (610 mm) above the finished floor of the room in which the window is located. Operable sections of windows shall not permit openings that allow passage of a 4-inch-diameter (102 mm) sphere where such openings are located within 24 inches (610 mm) of the finished floor.

#### Exceptions:

- Windows whose openings will not allow a 4-inch-diameter (102 mm) sphere to pass through the opening when the opening is in its largest opened position.
- Openings that are provided with window fall prevention devices that comply with ASTM F 2090.
- Windows that are provided with window opening control devices that comply with Section R312.2.2.

#### R312.2.2 Window opening control devices.

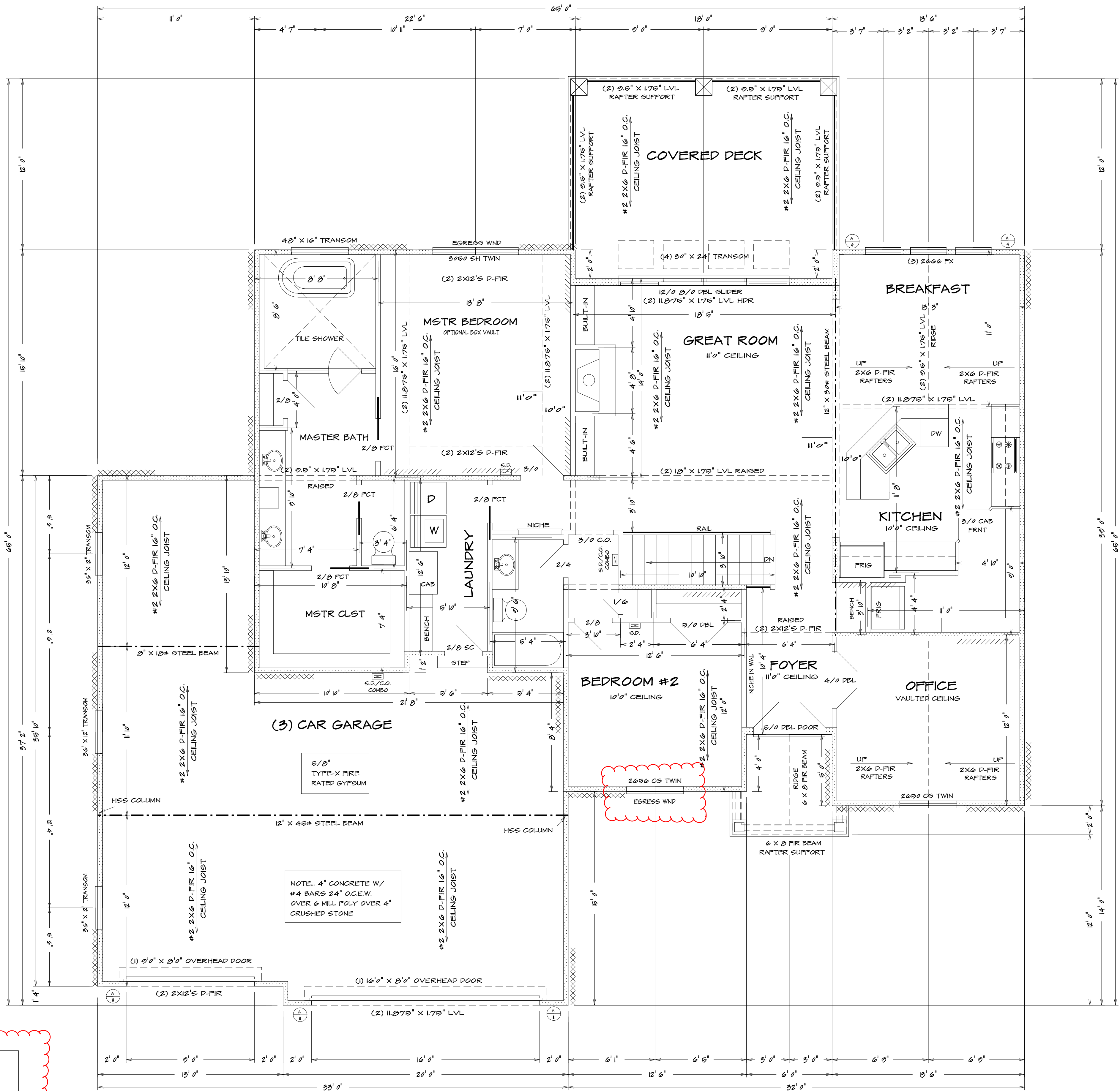
Window opening control devices shall comply with ASTM F 2090. The window opening control device, after operation to release the control device allowing the window to fully open, shall not reduce the minimum net clear opening area of the window unit to less than the area required by Section R310.11.

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 rates shall be determined in accordance with Section M1307. Exhaust air from the space shall be exhausted directly to the outdoors.

126 WOODSIDE RIDGE  
2115 NW KILLARNEY LN  
LEES SUMMIT, MO 64081



FIRST FLOOR PLAN  
1/4" = 1'0"

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F.W. WALL REINFORCEMENT (CLASS 60 S.O.L.  
 EXCEPT FOR RARE OCCURRENCES)  
 (ALL REBARS TO BE GRADE 40)  
 0' WALL W/ 8" BACKFILL VERT. #4 REBARS @ 12" O.C.  
 0' WALL W/ 8" BACKFILL VERT. #4 REBARS @ 18" O.C.  
 SET ON A 16" X 8" CONCRETE FOOTER WITH (2) #4  
 REBARS CONTINUOUS.  
 10' WALL W/ 0' BACKFILL VERT. #4 REBARS @ 8" O.C.  
 10' WALL W/ 0' BACKFILL VERT. #4 REBARS @ 12" O.C.  
 SET ON A 24" X 8" CONCRETE FOOTER WITH (2) #4  
 REBARS CONTINUOUS.  
 HORIZ. #4 REBARS @ 24" O.C.  
 0' X 4'0" CONCRETE WALL WITH (3) #4 REBARS  
 HORIZ. AND WITH #4 REBARS @ 24" O.C. VERTICALLY  
 CONCRETE FLOOR - 4" CONCRETE ON 4"  
 CRUSHED ROCK  
 CONCRETE GARAGE FLOOR - 4"  
 CONCRETE ON 4" CRUSHED ROCK WITH  
 6X6 10/10 WIRE MESH.  
 (SUPENDED CONCRETE FLOORS TO BE  
 DESIGNED BY LICENCED ENGINEER)  
 COLLUM FOUNDATION FOOTING MIN. SOL.  
 LOAD OF 1800 PSF  
 42" X 42" X 8" CONCRETE PADS WITH (6)  
 #4 REBARS (4 LONG 2 SHORT) (UNLESS NOTED)  
 CONCRETE GRADE PADS - 16" X 8" WITH (4)  
 #4 REBARS CONTINUOUS  
 ALL FOOTINGS SHALL EXCEED A MINIMUM Frost  
 Depth of 36 inches Below Grade  
 MAXIMUM DEPTH OF UNBALANCED FILL IS 7' (FEET)  
 FOR 8" INCH WALL AND (8 FEET) FOR TENCH WALL  
 WATERPROOF CONCRETE WALL FROM FOOTING TO  
 GRADE LINE  
 OPTIONAL WALL-OUT WALL  
 1" X 5" CONCRETE FOOTER FOOTER W/ (3) #4  
 REBARS PARALLEL 12" O.C. CONTINUOUS.  
 #4 REBAR VERT. BENT INTO FOOTER 7'0" @ 24" O.C.  
 4" GRADE USE 4" OF CONCRETE ON 4"  
 CRUSHED ROCK WITH 6 MIL-POLY OVER CRUSHED  
 ROCK BELOW GRADE  
 DRAINAGE TILES, GRAVEL, OR CRUSHED STONE  
 DRAINS, PERFORATED PIPE, OR OTHER APPROVED  
 DRAINAGE OR WATERPROOFING BE INSTALLED AT  
 OR BELOW THE AREA TO BE PROTECTED AND SHALL  
 DISCHARGE BY GRAVITY OR MECHANICAL MEANS  
 INTO AN APPROVED DRAINAGE SYSTEM  
 CONSTRUCTION OF STONE DRAINS SHALL EXTEND  
 AT LEAST 1' FOOT BEYOND THE OUTSIDE EDGE OF THE  
 FOOTING AND 6 INCHES ABOVE THE TOP OF THE  
 FOOTING AND COVERED WITH AN APPROVED  
 FILTER MEMBRANE MATERIAL. THE TOP OF OPEN  
 JOINTS OF DRAIN TILES SHALL BE PROTECTED WITH  
 STRIPS OF BUILDING PAPER AND CONCRETE TILES OR  
 PERFORATED PIPE SHALL BE COVERED ON A MINIMUM  
 OF 2 INCHES OF WASHED GRAVEL, OR CRUSHED  
 ROCK AT LEAST ONE INCH SIZE LARGER THAN THE  
 TILE. JOINT OPENING OR PERFORATION AND  
 COVERING SHALL NOT LESS THAN 6 INCHES OF THE  
 SAME MATERIAL.

TYPE OR LOCATION OF CONCRETE CONSTRUCTION	SPECIFIED COMPRESSIVE STRENGTH (psi) <sup>1</sup>		
	Weathering Potential <sup>2</sup>		
	Highly Severe	Severe	Others
Basement walls and foundation not exposed to the weather	2,500	2,500	2,500
Basement walls and exterior foundation grade, except garage floor slabs	2,500	3,000 <sup>3</sup>	2,500
Basement walls, foundation walls, exterior walls, and other vertical concrete work exposed to the weather	2,500	3,000 <sup>3</sup>	3,000 <sup>3</sup>
Porches, carport slabs and others exposed to the weather, and garage floor slabs	3,000	3,000 <sup>3,4</sup>	3,000 <sup>4,5</sup>



NOTE.. HIP RIDGE FOR THE MAIN ROOF AS:  
2X8 #2 D-FIR FOR UNBRACED LENGTH UP TO 9'0"  
2X10 #2 D-FIR FOR UNBRACED LENGTH UP TO 10'0"  
2X12 #2 D-FIR FOR UNBRACED LENGTH UP TO 12'0"



BEARING WALL

ALL RAFTERS TO BE #2 2X6 D-PFR 16" O.C.  
UNLESS OTHER WISE NOTED  
FURLINGS TO BE 2X10'S #2 D-PFR  
FURLING TO BE SUPPORTED TO BEARING WALL LINES  
WITH SUPPORTS SPACED 8'0" O.C. MAX  
CONNECT RAFTERS TO CEILING JOIST W (4) 16d GALV. NAILS  
CONNECT RAFTERS TO RIDGE, VALLEY, AND HIF RIDGE  
WITH (4) 16d GALV. NAILS



LOT 126 WOODSIDE RIDGE  
2115 NW KILLARNEY LN  
LEES SUMMIT, MO 64081

HOME BUYER:	PHONE:	DATE DRAWN:	PLAN NO.	SHEET NO.
BUILDER:	PHONE:	DATE REVISED:	SF-7008	5
SUB-DIVISION:	LOT NO.	DESIGNER:	FILE NAME:	APPROX. SQFT.
			7008 SEC2	

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