

AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI 10/15/2021

- **GENERAL DETAILS**
- **GENERAL DETAILS**
- **G4 BRACED WALL DETAILS**





PARK RIDGE - PHASI 2025 NE BLUES LEE'S SUMMIT, I



DESCRIPTION	ON	SYMBOL
INTERIOR LO	PAD BEARING WALL	***************************************
STONE OR B	RICK VENEER	711111111111
JOIST SIZE A	ND DIRECTION	FJ-XX
HEADER/ BEAM	SIZE OF MEMBER PER HEADER/ BEAM SCHEDULE - NUMBER OF PLYS ———— "U" IF UPSET —	<u>A</u> 2) U
CENTERLINE		
POINT LOAD		●
	JINDOW FRAME SIZE IN INCHES RAL NOTES BELOW)	2941
SMOKE ALAF	<u>-</u>	(\$)
SMOKE & CA	RBON MONOXIDE ALARM	(SC)

MARK	LUMBER SIZE	CRIPPLE STUDS	TRIMMERS
A	2 x 6	1	1
B	2 x 8	1	1
0	2 x 10	1	1
Ф	2 x 12	2	1
E	134" x 714" L.V.L.	2	1
F	134" x 91/2" L.V.L.	2	1
G	134" × 11%" L.V.L.	2	1
H	1 ³ / ₄ " × 14" L.V.L.	2	1
J	134" × 16" L.V.L.	3	1
K	134" x 18" L.V.L.	3	1
	134" x 91/2" L.S.L.	1	1
(M)	134" x 1176" L.S.L.	2	1

1. BEAMS SHALL HAVE TOTAL NUMBER OF CRIPPLES AND TRIMMERS UNDER EACH END. SOLID BLOCK BELOW.

2. FOR L.Y.L. BEAMS IN 2x10 FLOORS, USE 9 1/4" L.Y.L.

FLOOR	JOIST SCHEDULE		
MARK	TYPE SUB-TYPE	SIZE	SPACING MAX. SF
FJ-1	"I" JOIST (SEE NOTE)	9 1/2"	PER MANUFACTU
FJ-2	"I" JOIST (SEE NOTE)	11 T/8"	PER MANUFACTU
FJ-3	"I" JOIST (SEE NOTE)	14"	PER MANUFACTU
FJ-4	OPEN WEB TRUSSES	14"	PER MANUFACTU
FJ-5	OPEN WEB TRUSSES	16"	PER MANUFACTU
			1011 101 01

FJ-3	"I" JOIST (SEE NOTE)	14"	PER MAN	IUFACTURER
FJ-4	OPEN WEE	3 TRUSSES	14"	PER MAN	IUFACTURER
FJ-5	OPEN WEE	3 TRUSSES	16"	PER MAN	IUFACTURER
FJ-2Ø	LUMBER	ACQ. TREATED	2x1Ø	12" O.C.	16'-2"
FJ-21	LUMBER	ACQ. TREATED	2x1Ø	16" O.C.	14'
FJ-22	LUMBER		2x8	12" O.C.	14'-2"
FJ-23	LUMBER		2x8	16" O.C.	12'-7"
FJ-24	LUMBER		2x1Ø	12" O.C.	17'-9"
FJ-25	LUMBER		2x1Ø	16" O.C.	15'-5"
F.J-26	LIMBED		2-2~10	16" OC	

| FJ-26 | LUMBER | | 2-2x10 | 16 " O.C. | | NOTE: DESIGN 1-JOISTS (LOADED W/ TOTAL LIVE AND DEAD LOAD) WITH A MAX. DEFLECTION OF L/360, EXCEPT BELOW BATHROOMS AND TILED AREAS WHERE THE DEFLECTION SHALL BE L/480 MAX.

CONCRETE WALL SCHEDULE

MARK	CONCRET	E WALL	REINFORCING	GRADE 40
	THICKNESS	HEIGHT	VERTICAL	HORIZONTAL
\Diamond	8"	4' OR LESS	*4's AT 36" O.C.	2 - #4's
♠	8"	4' TO 6'	*4's AT 36" O.C.	3 - *4's
\$	8"	6' TO 8'	*4's AT 16" O.C.	4 - #4's
②	8"	8'	*4's AT 16" O.C.	4 - #4's
\bar{\bar{\bar{\bar{\bar{\bar{\bar{	8"	9'	*4's AT 12" O.C.	5 - #4's
⅌	10"	4'	*4's AT 36"O.C.	2 - #4's
\$	10"	8'	*4's AT 36" O.C.	4 - #4's
(10"	9'	*4's AT 16" O.C.	5 - #4's
\bigcirc	10"	10'	*4's AT 12" O.C.	6 - #4's

COLUMN & PAD SCHEDULE

		*4 BARS REQ'D	COLUMN SIZE	MAX.
MARK	PAD SIZE	EACH WAY	(SCHEDULE 40)	LOAD
A	36"x36"x12"	6	3"	13.5 K
Œ	48"x48"x16"	8	3"	24.Ø K
4 M U D	60"x60"x18"	100	3.5"	37.5 K
Ω	72"x72"x18"	12	5"	54.0 K
DIED	SCHEDIII E			•

MARK PIER DIAMETER POST (ACQ OR CEDAR UN.O.) MAX. LOAD 6x6 U.N.O. 6x6 U.N.O.

6x6 U.N.O.

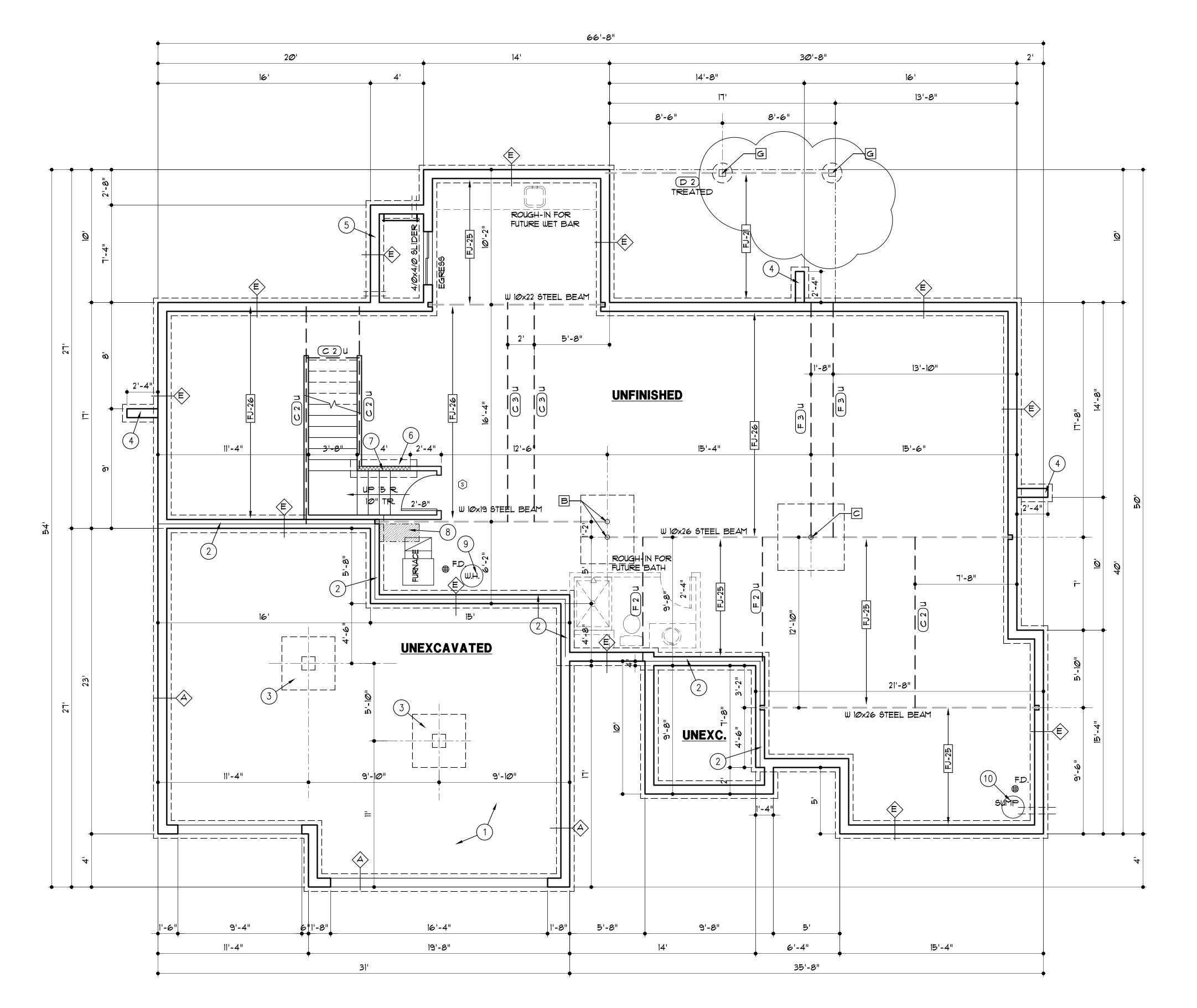
- 1. PAD AND PIER SIZES ASSUME 1500 P.S.F. SOIL
- BEARING CAPACITY. 2. 10' MAX. STEEL COLUMN HEIGHT FROM BASE PLATE TO TOP OF COLUMN. CONSULT ARCHITECT IF SITE CONDITIONS REQUIRE TALLER COLUMNS.

GENERAL NOTES:

- A. EXTERIOR FRAMED WALLS ARE 2x4 STUDS AT 16" O.C. UNLESS NOTED OTHERWISE.
- B. FURNACE IS DIRECT VENT AND USES OUTSIDE AIR FOR COMBUSTION
- C. FOR COVERED DECK FRAMING SEE DETAIL 1/G3
- D. SEE G4 SHEET FOR LOCATION OF HOLD-DOWN TIES FOR BRACED WALL PANELS

FOUNDATION PLAN NOTES

- . SEE DETAIL 3/G2 FOR GARAGE SLAB CONSTRUCTION.
- 2. SILL PLATE SET BACK SEE DETAIL 4/G2
- 3. CONCRETE PIER AND PAD SEE DETAIL 3/G2
- 4. RETURN WALL SEE DETAIL 8/G2
- 5. CONCRETE WINDOW WELL SEE DETAIL 9/G2
- 6. 16" WIDE X 8" DEEP CONCRETE FOOTING W/2-*4 BARS CONTINUOUS





- 8. HVAC CHASE ABOVE
- 9. PROVIDE THERMAL EXPANSION CONTROL DEVICE.

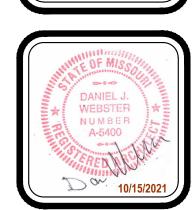
10. SUMP PIT & PUMP. PROVIDE ELECTRICAL RECEPTACLE WITH GFCI PROTECTION. PROVIDE SLEEVE THROUGH FOOTING

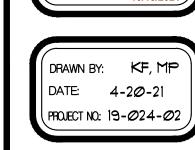
FOUNDATION PLAN



RIDG 5 NE 5 SU PARK 2028 LEE's

HOMES 0 MONTICELL(







DESCRIPTION	o n	SYMBOL
INTERIOR LO	PAD BEARING WALL	***************************************
STONE OR B	RICK YENEER	7/////////
JOIST SIZE A	ND DIRECTION	→ [FJ-XX]
HEADER/ BEAM	SIZE OF MEMBER PER HEADER/ BEAM SCHEDULE - NUMBER OF PLYS ————————————————————————————————————	<u> </u>
CENTERLINE		
POINT LOAD		●
	JINDOW FRAME SIZE IN INCHES RAL NOTES BELOW)	2941
SMOKE ALAF	2 M	(\$)
SMOKE & CA	RBON MONOXIDE ALARM	(sc)

MARK	LUMBER SIZE	CRIPPLE STUDS	TRIMMERS
A	2 x 6	1	1
B	2 x 8	1	1
ပြ	2 x 10	1	1
9	2 x 12	2	1
	134" x 714" L.V.L.	2	1
F	134" × 91/2" L.V.L.	2	1
G	134" × 11%" L.V.L.	2	1
\equiv	1 ³ / ₄ " × 14" L.V.L.	2	1
	134" × 16" L.V.L.	3	1
K	134" x 18" L.V.L.	3	1
	134" x 91/2" L.S.L.	1	1
M	1 ³ 4" × 11½" L.S.L.	2	1

TRIMMERS UNDER EACH END. SOLID BLOCK BELOW. 2. FOR L.Y.L. BEAMS IN 2x10 FLOORS, USE 9 1/4" L.Y.L.

FLOOR	JOIST S	CHEDULE			
MARK	TYPE	SUB-TYPE	SIZE	SPACING	MAX. SPAN
FJ-1	"I" JOIST (SEE NOTE)	9 1/2"	PER MAN	UFACTURER
FJ-2	"I" JOIST (SEE NOTE)	11 7/8"	PER MAN	IUFACTURER
FJ-3	"I" JOIST (SEE NOTE)	14"	PER MAN	IUFACTURER
FJ-4	OPEN WEE	3 TRUSSES	14"	PER MAN	IUFACTURER
FJ-5	OPEN WEE	3 TRUSSES	16"	PER MAN	IUFACTURER
FJ-2Ø	LUMBER	ACQ. TREATED	2x1Ø	12" O.C.	16'-2"
FJ-21	LUMBER	ACQ. TREATED	2x1Ø	16" O.C.	14'
FJ-22	LUMBER		2x8	12" O.C.	14'-2"
FJ-23	LUMBER		2x8	16" O.C.	12'-7"
FJ-24	LUMBER		2x1Ø	12" O.C.	17'-9"
FJ-25	LUMBER		2x1Ø	16" O.C.	15'-5"
FJ-26	LUMBER		2-2x1Ø	16" O.C.	
DEAD	LOAD) W	-JOISTS (LOAD ITH A MAX, DEF BATHROOMS ,	ELECTI	ON OF L	<i>'</i> 360,

CEILING	JOISTS	SCHEDUL	.E - LIVE LOAD 10 P.S.F.
MARK	SIZE	SPACING	MAXIMUM SPAN - DOUGLAS FIR *2
CJ-1	2x6	12"	19'-6"
CJ-2	2x6	16"	17'-8"
CJ-3	2x8	12"	25'-8"
CJ-4	2x8	16"	23'-Ø"
CJ-5	2×10	12"	26'-Ø"
CJ-6	2×10	16"	26'-Ø"
CJ-T	2×4	24"	9'-10"
CJ-8	2x6	24"	14'-10"
CJ-9	2x8	24"	18'-9"
CJ-10	2×10	24"	22'-11"

WHERE THE DEFLECTION SHALL BE L/480 MAX.

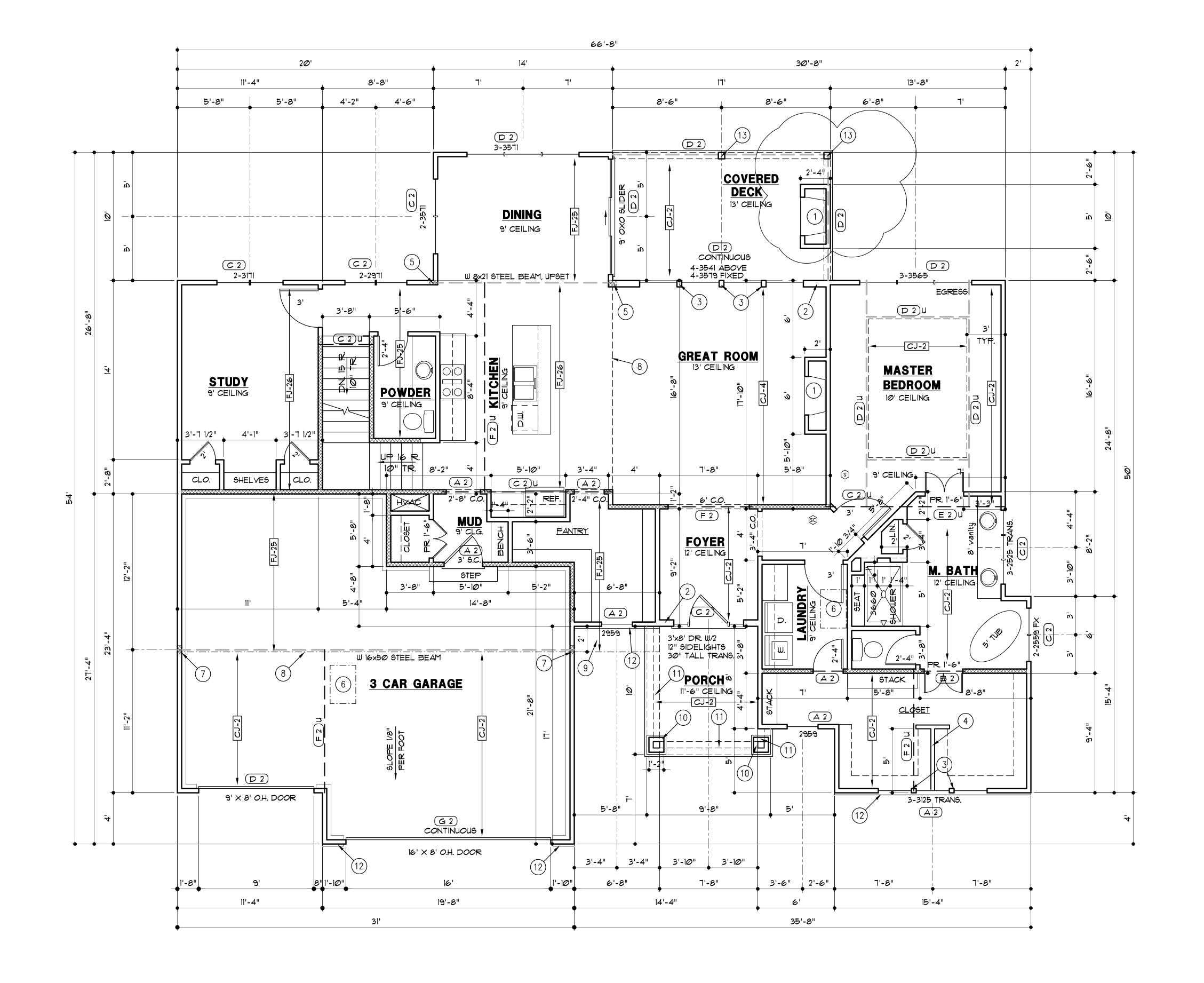
SQUARE FOOTAGE TABLE		
LOCATION	AREA (S.F.)	
FIRST FLOOR	1902	
SECOND FLOOR	1188	
BASEMENT (FINISHED)	77	
TOTAL	3167	
GARAGE	רוד	
BASEMENT (UNFINISHED)	1815	
FRONT PORCH	דוו	
COVERED DECK	170	

GENERAL NOTES:

- A. EXTERIOR WALLS ARE 2×4 STUDS AT 16" O.C. UNLESS OTHERWISE NOTED.
- B. FOR COVERED DECK FRAMING SEE DETAIL 1/G3

FLOOR PLAN NOTES

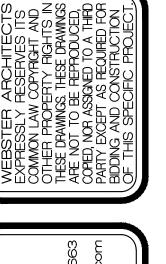
- 1. 36" GAS FIREPLACE
- 2. 2x6 STUDS AT 16" O.C.
- 3. 3 STUDS BETWEEN WINDOWS
- 4. 5'-6" TALL WALL
- 5. 5 STUDS FOR BEARING. SOLID BLOCKING BELOW
- 6. 1'-10"x3' ATTIC ACCESS
- 7. 7 STUDS FOR BEARING
- 8. FLOOR LINE ABOVE
- 9. EXTEND FLOOR FRAMING AND INSULATE SOFFIT
- 10. 6x6 CEDAR POST INSIDE 14" SQ. BASE WITH MANUFACTURED STONE VENEER
- 1. 6x12 CEDAR BEAM TOP OF BEAM AT 11'-7"



12. MANUFACTURED STONE VENEER

13. 6x6 CEDAR POST

FIRST FLOOR PLAN

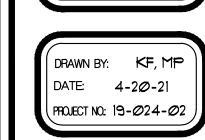




RIDG 5 NE s SU

PARK 2025 LEE's

HOMES





DESCRIPTION	o n	SYMBOL
INTERIOR LO	DAD BEARING WALL	***************************************
STONE OR B	RICK YENEER	7//////////////////////////////////////
JOIST SIZE A	ND DIRECTION	- FJ-XX
HEADER/ BEAM	SIZE OF MEMBER PER HEADER/ BEAM SCHEDULE - NUMBER OF PLYS "U" IF UPSET	<u>A</u> 2) U
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POINT LOAD	1	•
	JINDOW FRAME SIZE IN INCHES RAL NOTES BELOW)	2941
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MARK	LUMBER SIZE	CRIPPLE STUDS	TRIMMERS
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K	134" x 18" L.V.L.	3	1
	134" x 91/2" L.S.L.	1	1
(M)	134" x 111/8" L.S.L.	2	1

CEILING SOISTS SCHEDTILE SCHOOL ROAD TO P.S.F.

2.	FORKL.	/上.9#2#E.A	MSPIACINGO	HYLADOMRUBI,	SISEN9	DOUGLAB.FIR	*
	CJ-I	2×6	12"	19' 6"			
	CJ-2	2x6	16"	17'-8"			
	CJ-3	2x8	12"	25'-8"			
	CJ-4	2x8	16"	23'-Ø"			
	CJ-5	2×1Ø	12"	26'-0"			
	CJ-6	2×1Ø	16"	26'-0"			
	CJ-T	2×4	24"	9'-10"			
	CJ-8	2×6	24"	14'-10"			
	CJ-9	2x8	24"	18'-9"			
	CJ-10	2×1Ø	24"	22'-11"			

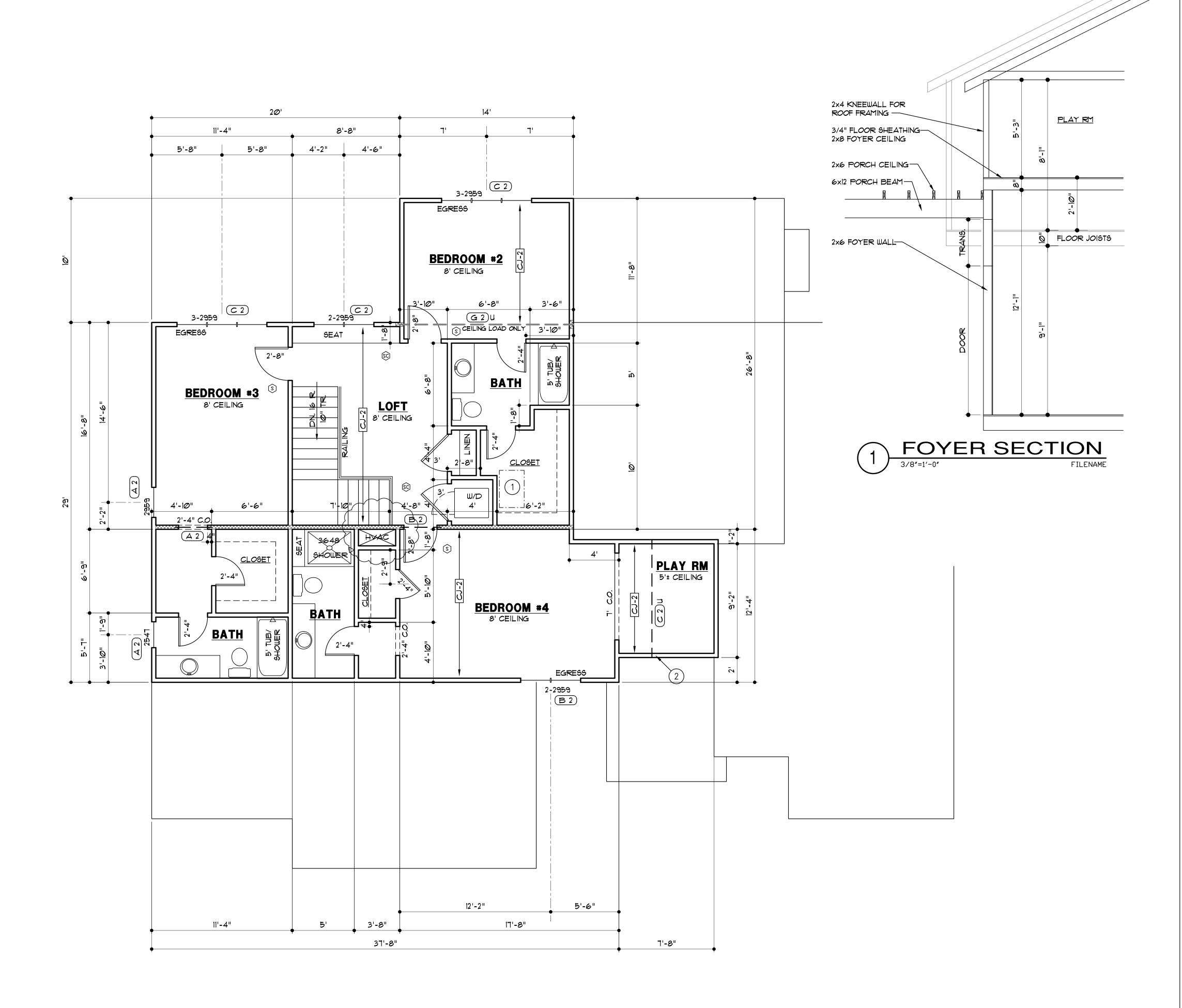
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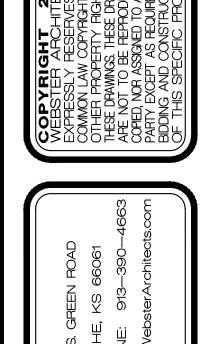
FLOOR PLAN NOTES

1. 1'-10"x3' ATTIC ACCESS

2. SEE DETAIL 1/A3



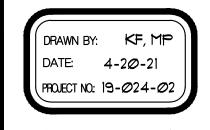






LOT 323 NE DR. 64064 LO H PARK RIDGE - PHAS 2025 NE BLUE LEE's SUMMIT,







ROOF PLAN LEGEND	
DESCRIPTION	SYMBOL
RIDGES AND HIPS	
VALLEYS	
EAVES, RAKE & GABLE	
HOUSE WALLS	
PURLIN	
TOP OF PURLIN STRUT OR RIDGE POLE	0
BOT. OF PURLIN STRUT OR RIDGE POLE	
JOIST SIZE AND SPACING	RJ-X
UPLIFT VALUE	000#

ROOF	RAFTER	SCHEDULE
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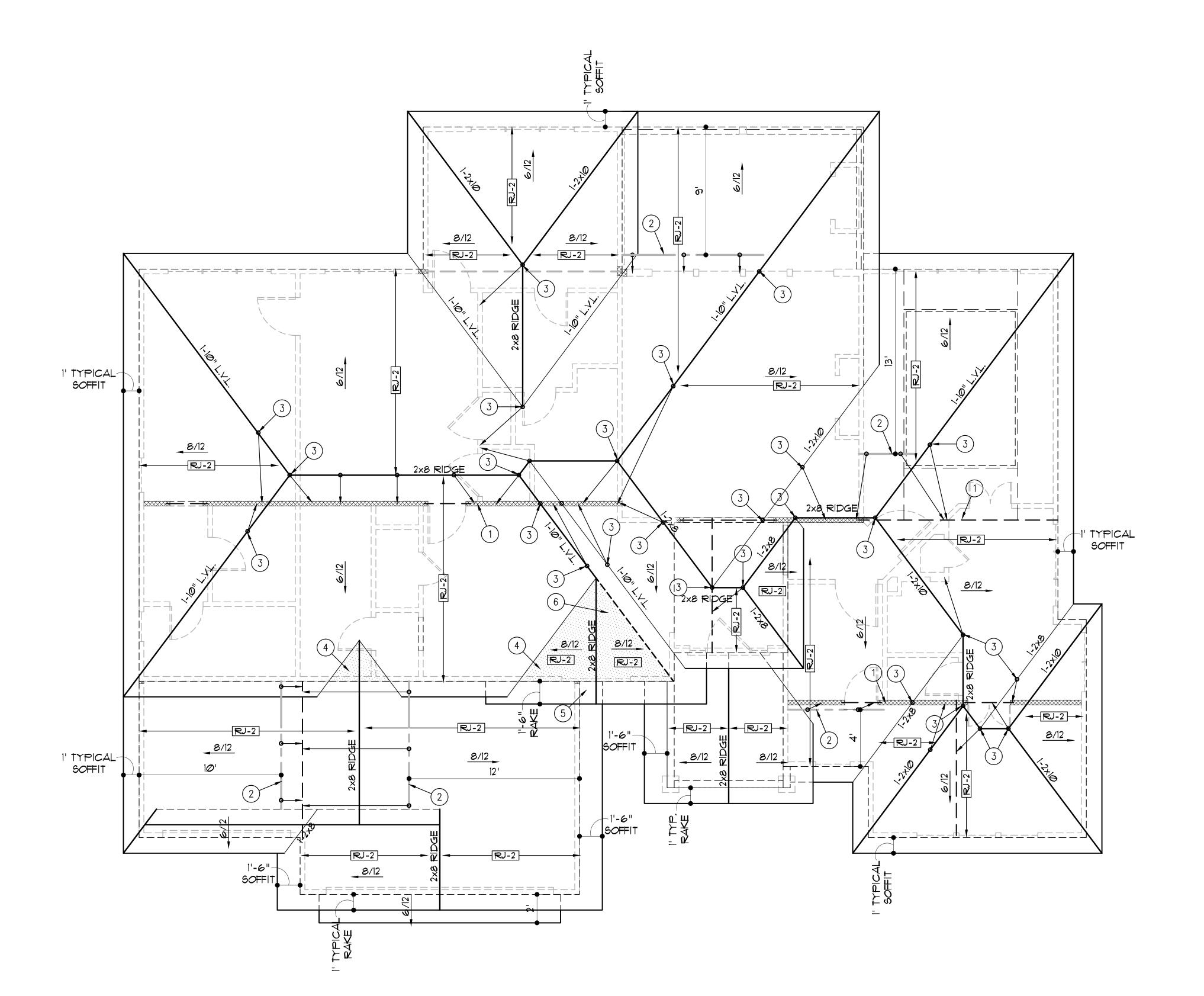
MARK	SIZE	SPACING	MAXIMUM SPAN		
			FLAT CEILING	YAULTED CEILING	
RJ-1	2×6	12"	16'-7"	14'-9"	
RJ-2	2×6	16"	14'-4"	12'-9"	
RJ-3	2x6	24"	11'-9"	10'-5"	
RJ-4	2x8	12"	21'-Ø"	18'-8"	
RJ-5	2×8	16"	18'-2"	16'-2"	
RJ-6	2×8	24"	14'-10	13'-2"	
RJ-T	2×1Ø	12"	25'-8"	22'-9"	
RJ-8	2×1Ø	16"	22'-3"	19'-9"	
RJ-9	2x1Ø	24"	18'-2"	16'-1"	
RJ-10	2×12	16"	25'-9"	26'-5"	
RJ-11	2×12	24"	18'-2"	22'-1Ø"	

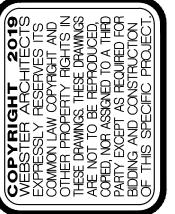
GENERAL NOTES:

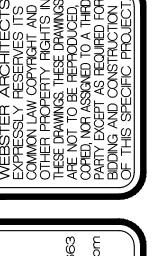
- A. BRACE ALL RIDGES TO BEARNG WALLS OR BEAMS BELOW, AT 4' O.C. WHERE POSSIBLE.
- B. STRUTS TO BEAR ON WALLS AS INDICATED. CONTACT ARCHITECT WITH ANY PROPOSED CHANGE TO STRUT BEARING LOCATIONS. ARCHITECT MAY NEED TO VERIFY THAT BEAMS BELOW NEW STRUT LOCATION CAN SUPPORT ADDED LOADS.

ROOF PLAN NOTES

- I. BEARING WALL OR BEAM BELOW
- 2. 2x8 PURLIN WITH 2x6 "T" BRACES AT 4' O.C. TO BEARING WALL/ BEAM BELOW
- 3. 2x6 "T" BRACE TO BEARING WALL OR BEAM BELOW. BRACE SHALL BE CONNECTED TO STRUCTURE AT ROOF AND CEILING WITH MINIMUM (5) 16d NAILS.
- 4. OVER FRAME THIS AREA
- 5. CENTER GABLE OVER BEDROOM WINDOW
- 6. EXTEND HIP DOWN TO BEARING WALL
- 7. TIGHT BARGE SOFFIT





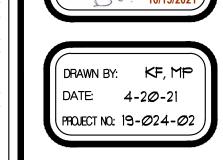




r 323 DR. NE CO PARK RIDGE 2025 NE ILEE'S SUM

HOMES MONTICELLO





10/15/2021

GENERAL NOTES

A. ROOFING TO BE COMPOSITION-40 YR. ON 30 * FELT ON 7/16" O.S.B. SHEATHING

B. REAR AND SIDES TO BE 3/8" MIN. STRUCTURAL WOOD PANEL SIDING, "SMART PANEL" SIDING OR EQUAL, INSTALLED PER MANUFACTURER'S INSTRUCTIONS. PROVIDE "Z" FLASHING BETWEEN VERTICAL PANELS. 1x4 SMART TRIM AT ALL CORNERS AND AROUND WINDOWS.

ELEVATION NOTES

STUCCO SIDING, SEE DETAIL 1/45. EXTEND STUCCO TO WITHIN 8" OF FINISHED GRADE. 2x6 SMART TRIM AROUND WINDOWS AND DOORS UNLESS NOTED OTHERWISE.

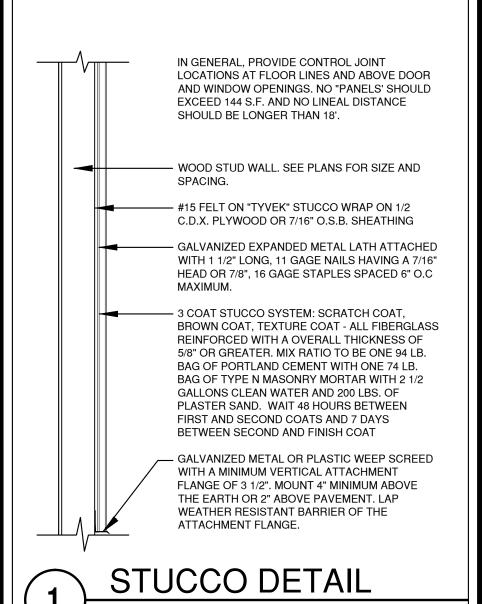
- 2. MANUFACTURED STONE
- 3. STANDING SEAM METAL ROOF
- 4. 14"x32" DECORATIVE GABLE VENT

5. 6x6 CEDAR POST INSIDE 14" SQ. BASE WITH MANUFACTURED STONE VENEER

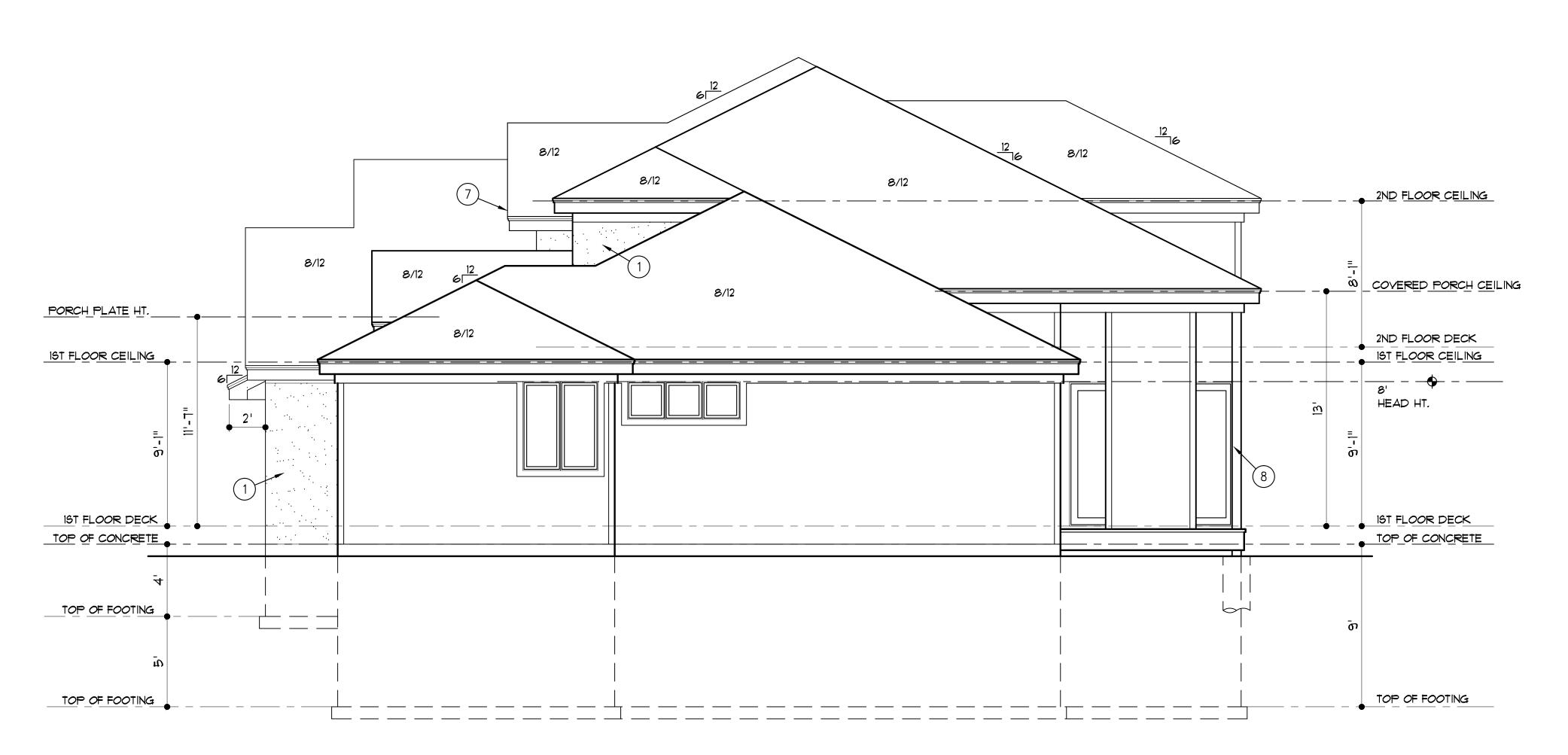
- 6. 6x12 CEDAR BEAMS
- 1. EXTEND FASCIA DOWN BELOW ADJASENT FASCIA
- 8. 6x6 CEDAR POST

9. CONCRETE EGRESS WINDOW WELL. WINDOW SET AT MAX. 44" FROM FINISH FLOOR TO SILL

ROOFING TO BE "TIMBER! INF" SHING! ES OR FOILA!

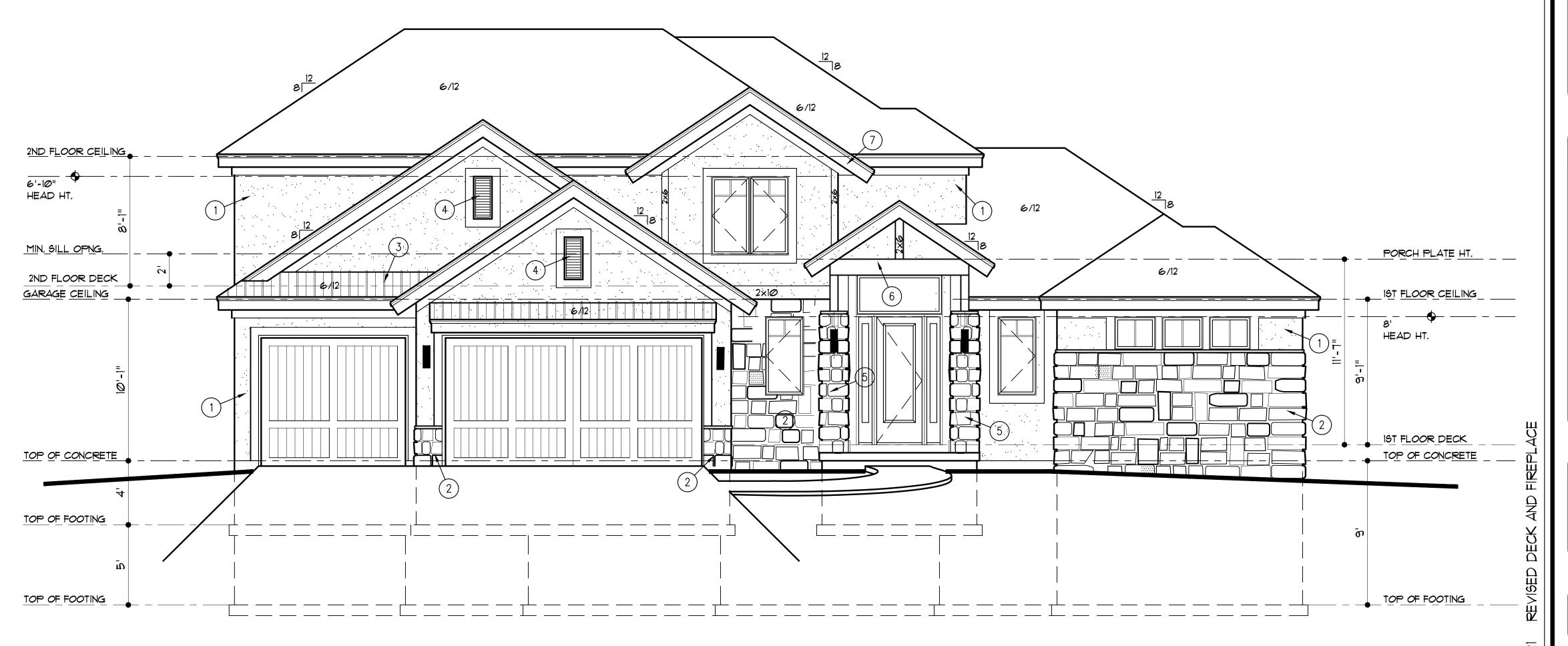


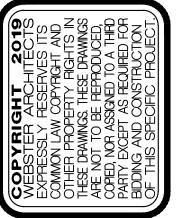
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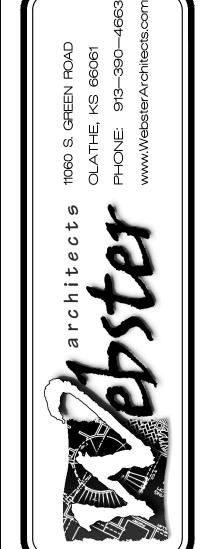
RIGHT SIDE ELEVATION

FRONT ELEVATION





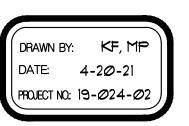




r 323 DR. 064 N C RIDG 5 NE s SU PARK 2025 LEE's

HOMES MONTICELL(







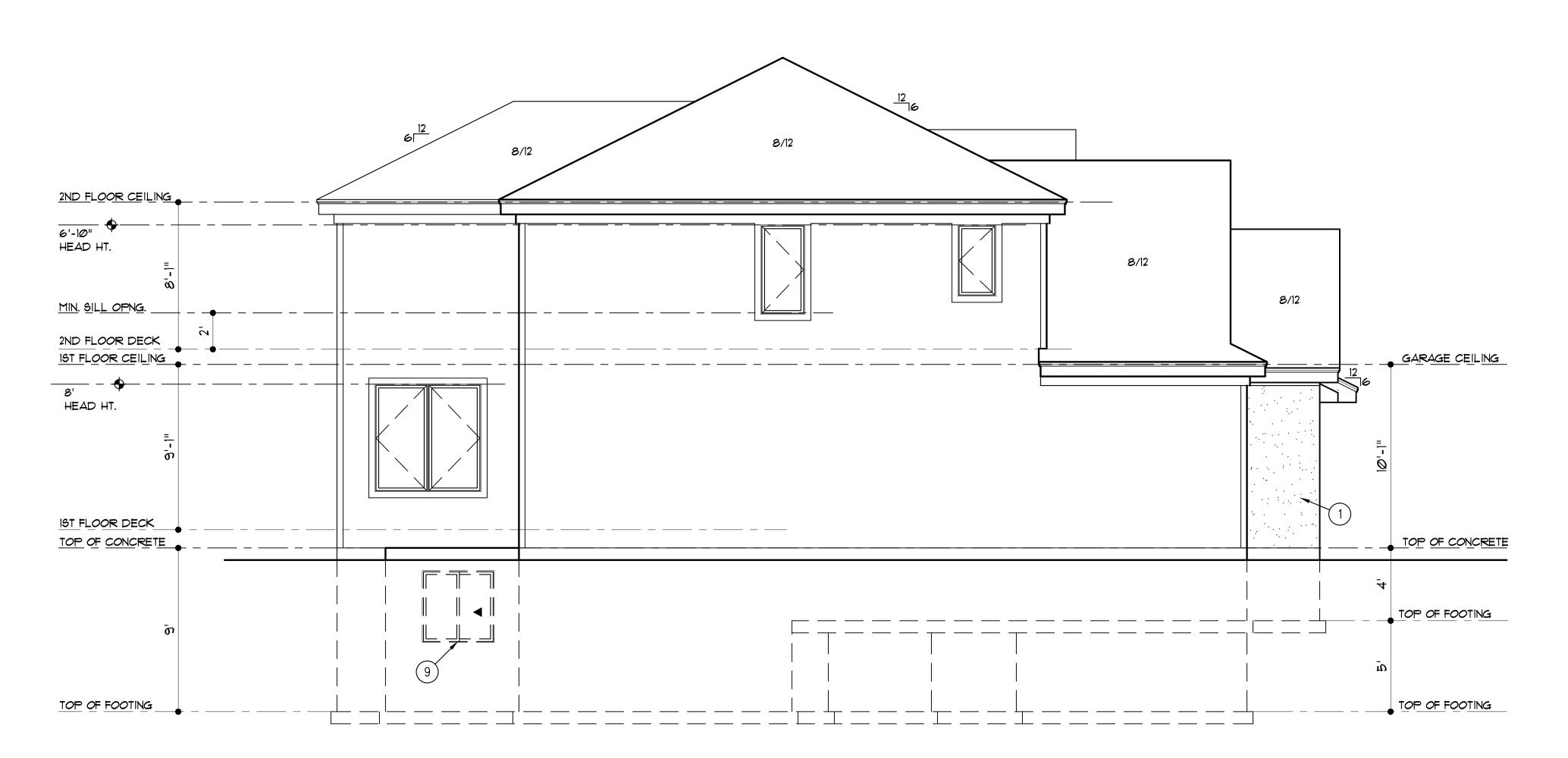
THESE DRAWINGS TO BE USED FOR THIS ADDRESS ONLY AND THEY SHALL NOT BE USED AS MASTER PLAN

GENERAL NOTES

- A. ROOFING TO BE COMPOSITION-40 YR. ON 30# FELT ON 7/16" O.S.B. SHEATHING
- B. REAR AND SIDES TO BE 3/8" MIN. STRUCTURAL WOOD PANEL SIDING, "SMART PANEL" SIDING OR EQUAL, INSTALLED PER MANUFACTURER'S INSTRUCTIONS. PROVIDE "Z" FLASHING BETWEEN VERTICAL PANELS. IX4 SMART TRIM AT ALL CORNERS AND AROUND WINDOWS.

ELEVATION NOTES

- 1. STUCCO SIDING, SEE DETAIL 1/A5. EXTEND STUCCO TO WITHIN 8" OF FINISHED GRADE. 2×6 SMART TRIM AROUND WINDOWS AND DOORS UNLESS NOTED OTHERWISE.
- 2. MANUFACTURED STONE
- 3. STANDING SEAM METAL ROOF
- 4. 14"x32" DECORATIVE GABLE VENT
- 5. 6x6 CEDAR POST INSIDE 14" SQ. BASE WITH MANUFACTURED STONE VENEER
- 6. 6x12 CEDAR BEAMS
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- 8. 6x6 CEDAR POST
- 9. CONCRETE EGRESS WINDOW WELL. WINDOW SET AT MAX. 44" FROM FINISH FLOOR TO SILL



LEFT SIDE ELEVATION 1/4" = 1'-0"



REAR ELEVATION

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OLATHE, KS 66061

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BIDDING AND

OF THIS SPI

architects 11060 S. GREEN OLATHE, KS PHONE: 913

PARK RIDGE - PHASE 6 LOT 323 2025 NE BLUESTONE DR. LEE's SUMMIT, MO 64064

10 NTICELLO HOMES INC. 10. BOX 7005 816-478-4740



DRAWN BY: KF, MP
DATE: 4-20-21
PROJECT NO: 19-024-02

SHEET NO.

RELEASE FOR CONSTRUCTION
AS NOTED FOR PUAN REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
10/15/2021

THESE DRAWINGS TO BE USED FOR THIS ADDRESS ONLY AND THEY SHALL NOT BE USED AS MASTER PLAN

DISCLAIMER

THESE DRAWINGS ARE CONSIDERED A "BUILDER'S SET" AND BY BEGINNING CONSTRUCTION THE CONTRACTOR WARRANTS TO THE ARCHITECT, THAT HE HAS THE COMPETENCE AND SKILL IN CONSTRUCTION NECESSARY TO BUILD THE PROJECT WITHOUT FULL ENGINEERING AND DESIGN SERVICES. THE CONTRACTOR WILL BE REQUIRED TO ADAPT THE DRAWINGS TO ACTUAL FIELD CONDITIONS AND MAKE LOGICAL ADJUSTMENTS IN FIT, FORM, DIMENSION AND QUANTITY. IN THE EVENT, ADDITIONAL DETAIL OR GUIDANCE IS NEEDED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY WEBSTER ARCHITECTS. FAILURE TO GIVE NOTICE SHALL RELIEVE WEBSTER ARCHITECTS OF THE ALL RESPONSIBILITY FOR THE CONSEQUENCES. ALTHOUGH WEBSTER ARCHITECTS HAVE PERFORMED THEIR SERVICES WITH DUE CARE AND DILIGENCE, PERFECTION CAN'T BE GUARANTEED. IT IS UNDERSTOOD AND AGREED THAT IF WEBSTER ARCHITECTS IS NOT HIRED TO DO PROJECT OBSERVATION OR ANY OTHER CONSTRUCTION PHASE SERVICES, THAT THE CLIENT WILL PERFORM SUCH SERVICES. THE CLIENT ASSUMES ALL RESPONSIBILITY FOR INTERPRETATION OF THE CONTRACT DOCUMENTS AND FOR CONSTRUCTION OBSERVATION, AND THE CLIENT WAIVES ANY CLAIMS AGAINST WEBSTER ARCHITECTS THAT MAY BE IN ANY WAY CONNECTED THERETO. THESE DRAWINGS ARE NOT TO BE SCALED. IF A CRITICAL DIMENSION IS MISSING THE ARCHITECT SHOULD BE CONSULTED.

ABBREVIATIONS ABOVE FINISH FLOOR C.C.A. CHROMATED COPPER ARSENATE CONTROL JOINT CLG. CEILING C.O. CASED OPENING DRYER DOUBLE HUNG DIAMETER DOWN DISHWASHER EXPANSION JOINT EQ. EQUAL F.D. FLOOR DRAIN GAUGE OR GAGE GROUND FAULT CIRCUIT INTERRUPTER HOSE BIB HEIGHT KNEE SPACE LB. (*) POUND L.Y.L. LAMINATED VENEER LUMBER MAXIMUM MAX. MIN. MINIMUM MICROWAYE OVEN MICRO. ON CENTER O.H. OVERHEAD/ OVERHANG PAIR RISER REFRIGERATOR ROOM ROUGH OPENING

SQUARE FEET

TRASH COMPACTOR

SIMILAR

SQUARE

TYPICAL

WASHER

WITH

TELEVISION

WALK IN CLOSET

WELDED WIRE FABRIC

WATER HEATER

SIM.

SQ.

TYP.

ww.f.

		<u>۲</u>	IIN. LOADS (P.S.F.)
AREA	CONDITION	LIVE	DEAD
DECKS	-	40	10
CEILING JOISTS	NO STORAGE	10	10
CEILING JOISTS	STORAGE ALLOWED	20	10
FLOORS	NON-SLEEPING	40	10 (20 FOR TILED FLRS
FLOORS	SLEEPING AREAS	3Ø	10 (20 FOR TILED FLRS
DOOF	WOOD OR COMPOSIT.	20	10 (20 IN LEAWOOD)
ROOFS	TILE OR CONCRETE	20	2Ø
STAIRS	-	40	10
HANDRA	IL/ GUARDRAIL	200	IN ANY DIRECTION

- WIND SPEED 90 MPH (CATAGORY AS DEFINED BY R3Ø1.2.1.4) * TILE FLOOR LOAD BASED ON THINSET METHOD.

OPENIN	IG MAXIMUM U-VALUE	
- • •		T
WINDOWS		.32
- •	DOORS	20
GLASS [35
SKYLIGH	· ·	.55
	FENESTRATION SHGC	.40
BULDIN	G COMPONENT MINIMUM R-VALUE	
CEILING		
	WITH ATTIC	49
	CATHEDRAL	3Ø
WALL		
	EXTERIOR (CAYITY or CAYITY / CONTINUOUS)	20 or 13 + 5
	BASEMENT (CAVITY OF EXTERIOR)	13 or 10
	CRAWL SPACE	10 / 13
FLOORS		
	SLABS FOR 2' DEPTH ON FOUNDATION)	10
	TRENCH FOOTINGS - HEATED SLAB	15
	TRENCH FOOTINGS	10
	OVER UNHEATED SPACES	19
	OVER OUTSIDE AIR	3Ø
DUCTS IN	NUNHEATED SPACES - SUPPLY AND RETURN	8
DUCTS IN I	INHEATED SPACES - IN FLOOR AND CEILING ASSEMBLY	6
HOT WAT	ER SYSTEM PIPING	3
FURNACE	E (AFUE)	80% MINIMUM
AIR CON	DITIONING (SEER)	13 MINIMUM

CODE COMPLIANCE

. BUILDING CONSTRUCTION: REGARDLESS OF WHAT IS SHOWN ON THE PLANS, THE BUILDING SHALL COMPLY WITH THE 2018 INTERNATIONAL RESIDENTIAL CODE AND ANY OTHER CITY REQUIREMENTS.

B. FOUNDATION WALLS ARE DESIGNED TO COMPLY WITH THE JOHNSON COUNTY FOUNDATION GUIDELINES.

. BUILDING DESIGNED FOR SEVERE CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA OF WEATHERING CONDITIONS, MODERATE TO SEVERE TERMITE CONDITIONS, MODERATE DECAY CONDITIONS, 6 DEGREES FAHRENHEIT AND 5,333 HEATING DEGREE DAYS WINTER DESIGN TEMPERATURE CONDITIONS, 36 INCHES FROST LINE DEPTH CONDITIONS AND FLOOD HAZARDS BASED UPON THE LATEST ADOPTED FIRM. AND F.B.F.M. DOCUMENTS IN ACCORDANCE WITH L.B.C. ARTICLE 4-905.

A. GLASS: PROVIDE SAFETY GLAZING WHERE REQUIRED BY IRC R308 AND IN THE FOLLOWING LOCATIONS: 1. STORM DOORS, 2. 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, 3. WALLS ENCLOSING STAIRWAYS AND LANDINGS WHERE THE GLAZING IS WITHIN 60" OF THE TOP OR BOTTOM OF THE STAIR. 4. ENCLOSURES FOR HOT TUBS. SAUNAS, STEAM ROOMS, SPAS, BATH TUBS, SHOWERS AND WHIRLPOOLS, 5. FIXED OR OPERABLE PANELS EXCEEDING 3 SQUARE FOOT AND WHOSE BOTTOM EDGE IS LESS THAN 18" ABOVE THE FLOOR AND WALKING SURFACE WITHIN 36"

B. EXTERIOR WINDOWS AND DOORS SHALL BE DESIGNED O RESIST WIND LOADS SPECIFIED IN IRC TABLE R3Ø1.2(4)A. EXTERIOR OVERHEAD DOORS SHALL MEET D.A.S.M.A. 90 MPH REQUIREMENTS.

BEDROOM EGRESS: AT LEAST ONE WINDOW FROM EACH BEDROOM AND FROM THE BASEMENT SHALL HAVE AN OPERABLE AREA OF 5.7 SQUARE FEET WITH A MINIMUM OPERABLE HEIGHT OF 24" AND A WIDTH OF 21" AND WITH THE BOTTOM OF THE OPERABLE PORTION NO MORE THAN 44" AFF. WINDOWS WHOSE SILL IS 72" OR MORE ABOVE FINISHED GRADE AND WHOSE SILL IS LESS THAN 24" ABOYE FINISHED FLOOR SHALL HAVE WINDOW GUARDS OR OPENING CONTROL DEVICES WHICH RESTRICT A 4" SPHERE FROM PASSING THRU.

D. STAIRWAYS: MAXIMUM RISE 734", MINIMUM RUN 10", MINIMUM HEADROOM 6'-8", MINIMUM WIDTH 36". HANDRAILS ARE REQUIRED WHEN STAIRS HAVE 4 OR MORE RISERS. HANDRAIL TO HAVE ENDS RETURNED OR TERMINATED IN A NEWEL POST OR SAFETY TERMINAL AND PLACED MINIMUM 34", MAXIMUM 38" ABOVE TREAD NOSING. THE HAND GRIP PORTION OF HANDRAIL SHALL BE NOT LESS THAN 1-1/4" NOR MORE THAN 2 5/8" IN CROSS SECTION DIMENSION. HANDRAILS PROJECTING FROM A WALL SHALL HAVE A SPACE OF NOT LESS THAN 1-1/2" BETWEEN THE JALL AND THE HANDRAIL. INSTALL FIRE BLOCKING AT TOP AND BOTTOM OF STAIR RUN. THE CEILING AND WALLS OF USEABLE SPACE UNDER STAIRS SHALL BE SURFACED WITH 1/2" GYPSUM BOARD, TAPED AND FINISHED.

GUARDRAILS: ALL UNENCLOSED FLOOR AREAS, STAIRS AND EXTERIOR DECKS OVER 30" ABOVE GRADE SHALL HAVE 36" HIGH GUARDRAILS WITH A MAXIMUM OPENING OF 4" BETWEEN BALLUSTERS. BALLUSTERS SHALL NOT CREATE A LADDER.

. DOOR BETWEEN THE GARAGE AND DWELLING SHALL BE 3/8" THICK SOLID WOOD, I 3/8" THICK MINIMUM SOLID CORE OR HONEY COMBED STEEL DOOR OR 20-MINUTE FIRE RATED, EQUIPPED WITH AUTOMATIC OR SELF-CLOSING DEVICE.

G. ATTACHED GARAGE: CEILINGS AND BEAMS WITHIN THE GARAGE WILL BE COVERED WITH 5/8" TYPE "X" GYPSUM BOARD, IF SPACE ABOVE GARAGE IS LIVING SPACE.

4. BUILDER TO PROVIDE DECK OR LANDING PRIOR TO

. CRAWL SPACE: THE MINIMUM NET AREA OF VENTILATION OPENINGS WILL NOT BE LESS THAN I SQUARE FOOT FOR EACH 150 SQUARE FEET OF UNDER-FLOOR AREA. ONE SUCH VENTILATING OPENING WILL BE WITHIN 3 FEET OF EACH CORNER. AN 18"x24" MINIMUM ACCESS OPENING SHALL BE PROVIDED TO CRAWL SPACE.

C. ALL EXTERIOR DOORS, INCLUDING THE DOOR BETWEEN THE GARAGE AND THE HOUSE, SHALL INCORPORATE THE PHYSICAL SECURITY PROVISIONS OF SECTION MUNICIPAL CODE OF THE CITY IN WHICH THIS PROJECT IS LOCATED. FOR CITY OF RAYMORE SEE SECTION R324 "PHYSICAL SECUTITY" OF MUNICIPAL CODE.

MECHANICAL, ELECTRICAL NOTES

OWNER OCCUPANCY.

A. SMOKE DETECTORS: INSTALL ONE IN EACH BEDROOM, OUTSIDE OF EACH BEDROOM AREA, AT LEAST ONE ON EACH STORY INCLUDING THE BASEMENT. ALL ALARMS ARE TO BE INTERCONNECTED SO THAT ACTIVATING ONE ALARM ACTIVATES THEM ALL.

B. CARBON MONOXIDE ALARMS: IN DWELLING UNITS USING FUEL-FIRED APPLIANCES OR IN DWELLING UNITS WITH ATTACHED GARAGES, INSTALL CARBON MONOXIDE ALARMS OUTSIDE EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS .

C. GROUND FAULT CIRCUIT INTERRUPTER PROTECTION (GFCI) SHALL BE INSTALLED IN RECEPACLES IN BATHROOMS, KITCHENS, GARAGES, UNFINISHED BASEMENTS, OUTDOORS, CRAWL SPACES, AND WITHIN 6' OF ANY SINK. BATHROOM RECEPTACLES REQUIRE SEPARATE 20-AMP CIRCUIT. PROVIDE ARC-FAULT CIRCUIT INTERRUPTERS AS REQUIRED BY IRC E3902.12 OR AS REQUIRED BY MUNICIPALITY.

D. FIREPLACE: FACTORY-BUILT FIREPLACE WILL BE EQUIPPED WITH LISTED COMPONENT FOR OUTSIDE COMBUSTION AIR PER IRC 1005 AND SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS

. ALL BATHROOMS TO RECEIVE EXHAUST FANS-- 50 CFM DIRECTLY TO OUTSIDE. POINT OF DISCHARGE MIN. 3' FROM ANY OPENING.

MECHANICAL, ELECTRICAL NOTES CONT

HEAT PUMP THERMOSTATS MUST PREVENT BACK-UP ELECTRIC RESISTANCE HEAT WHEN THE HEAT PUMP CAN MEET THE LOAD.

G. DUCT SEALING MUST MEET THE REQUIREMENTS OF M 1601.3.1

H. ELECTRICAL CONDUCTORS SHALL BE COPPER AND THE PANEL BOX SHOULD BE 200 AMP

ANY DUCT PENETRATIONS OF THE WALLS OR CEILING SEPERATING THE DWELLING FROM THE GARAGE SHALL BE CONSTRUCTED OF 26 GAUGE SHEET METAL WITH NO OPENINGS IN THE GARAGE

CONCRETE NOTES

A. CONCRETE: ALL CONCRETE SHALL BE 5-7% AIR-ENTRAINED AND HAVE A MINIMUM COMPRESSIVE STRENGTH AS LISTED BELOW AT 28 DAYS: . BASEMENT AND INTERIOR FLOOR SLABS: 3,000 PSI (2,500 IN LENEXA)

. BASEMENT AND FOUNDATION WALLS: 3,000 PSI 3. PORCHES, CARPORT AND GARAGE FLOOR SLABS: 3,500

B. REINFORCING SHALL BE GRADE 40. SPLICES SHALL LAP 24" MIN. UNLESS NOTED OTHERWISE.

C. FOOTINGS: FOOTINGS SHALL BEAR ON UNDISTURBED SOIL AND EXTEND A MINIMUM OF 36" BELOW FINISHED GRADE. FOOTINGS UNDER FOUNDATION WALLS SHALL HAVE A MINIMUM WIDTH OF 16" AND A MINIMUM DEPTH OF 8" AND SHALL HAVE 2 *4 BARS CONTINUOUS. TRENCH FOOTINGS SUPPORTING MORE THAN ONE FLOOR SHALL BE A MINIMUM OF 16" WIDE. FOOTINGS SHALL BE CONTINUOUS AROUND THE STRUCTURE AND FROM ONE LEVEL TO THE NEXT. MAXIMUM HORIZONTAL JUMPS FOR FOOTINGS SHALL BE 1'.

D. WALLS: HORIZONTAL BARS SHALL BE PLACED WITH THE TOP BAR WITHIN 8 INCHES OF THE TOP OF THE WALL AND OTHER BARS EQUALLY SPACED. BARS SHALL LAP A MINIMUM IS INCHES AT ENDS, SPLICES AND AROUND CORNERS, REINFORCEMENT SHALL BE CONTINUOUS AROUND WINDOWS, DOORS AND OTHER OPENINGS WITH SPLICES AS NOTED ABOVE TO MINIMIZE CRACKING AT CORNERS OF THE OPENINGS. BARS SHALL BE PLACED 2" FROM THE INSIDE FACE OF THE WALL.

E. DAMPPROOFING: DAMPROOFING REQUIRED FOR WALLS ENCLOSING BASEMENTS OR OTHER HABITABLE SPACE. A MINIMUM OF ONE COAT OF DAMPPROOFING SHALL BE APPLIED TO EXTERIOR WALL SURFACES BELOW GRADE. SEAL TIE HOLES, VOIDS AND HONEYCOMBED AREAS WITH | SEALANT BEFORE DAMPPROOFING.

F. WATERPROOFING: WATERPROOFING REQUIRED IN LIEU OF DAMPROOFING WHERE A HIGH WATER TABLE OR OTHER SEVERE WATER CONDITIONS EXIST.

G. DRAIN TILE: INSTALL CONTINUOUS 4" DRAIN TILE AROUND THE PERIMETER OF ALL FOUNDATIONS ENCLOSING HABITABLE SPACES LOCATED BELOW GRADE. INSTALL VERTICAL DRAINS TO THE PERIMETER DRAIN TILE AT ALL WINDOW WELLS. SET DRAIN TILE ON A 2" DEEP BY 12" WIDE GRAVEL BED AND COVER TILE WITH AT LEAST 6" OF COARSE, CLEAN ROCK AND A FILTER MEMBRANE MATERIAL. CONNECT THE DRAINS TO A 20-GALLON SUMP PIT OR DRAIN BY GRAVITY TO AN OUTLET WELL AWAY FROM THE HOUSE.

I. FOUNDATION ANCHORAGE: BASEMENT FOUNDATION SILL PLATES SHALL BE BOLTED TO THE FOUNDATION WITH 1/2" ANCHOR BOLTS EMBEDDED AT LEAST 1 INCHES INTO THE CONCRETE AND SPACED NOT MORE THAN 3 FEET ON CENTER AND WITHIN 12 INCHES OF THE END OF EACH PIECE.

BEAM POCKETS: RECESSED 4" INTO THE WALL. THE DEPTH AND WIDTH SHALL BE SIZED TO ACCOMMODATE THE DESIGNATED BEAM.

FLOOR SLABS: BASEMENT FLOOR SLABS SHALL BE A MINIMUM 4 INCHES THICK AND PLACED ON A 4-INCH GRAVEL BASE. THE BASEMENT FLOOR SHALL BE ISOLATED FROM COLUMN PADS, INTERIOR COLUMNS AND INTERIOR BEARING WALLS. INTERIOR COLUMNS AND BEARING WALLS SHALL BE SUPPORTED ON A SEPARATE INTERIOR FOOTING (NOT ON TOP OF THE FLOOR SLAB). THE GARAGE FLOOR SHALL SLOPE TOWARDS THE GARAGE DOORWAYS OR SLOPE TO A TRENCH OR UN-TRAPPED DRAIN THAT DISCHARGES DIRECTLY TO THE EXTERIOR ABOYE GRADE, OPTIONAL (EXCEPT IN LEAWOOD) 6 MIL. POLY VAPOR BARRIER SHOULD BE INSTALLED UNDER THE FLOOR SLAB.

SENERAL FRAMING NOTES

A. LUMBER: LUMBER IS #2 OR BETTER DOUGLAS FIR LARCH, EXCEPT FOR DECAY RESISTANT LUMBER WHICH IS SOUTHERN YELLOW PINE *2.

B. ALL EXTERIOR FRAMING LUMBER OR LUMBER IN CONTACT WITH CONCRETE OR MASONRY SHALL BE DECAY RESISTANT

C. L.Y.L. HEADERS & BEAMS ARE TO HAVE A MIN. MODULUS OF ELASTICITY OF 1.9 \times 10 PSI.

D. FLOOR, CEILING AND ROOF OPENINGS: TRIMMER JOISTS SHALL BE DOUBLED WHEN THE HEADER IS SUPPORTED MORE THAN 3 FEET FROM THE TRIMMER JOIST BEARING. TRIMMER AND HEADER JOISTS SHALL BE DOUBLED WHEN THE SPAN OF THE HEADER EXCEEDS 4 FEET. THE ENDS OF HEADER RAFTERS MORE THAN 6 FEET LONG SHALL BE SUPPORTED BY FRAMING ANCHORS OR RAFTER HANGERS UNLESS BEARING ON A BEAM, PARTITION OR WALL.

E. FRAMING AROUND OPENINGS: TRIMMER AND HEADER JOISTS SHALL BE DOUBLED WHEN THE SPAN OF THE HEADER EXCEEDS 4' THE ENDS OF HEADER JOISTS MORE THAN 6 FEET LONG SHALL BE SUPPORTED BY FRAMING ANCHORS OR JOIST HANGERS UNLESS BEARING ON A BEAM, PARTITION, OR WALL.

FRAMING NOTES- FLOORS

BEARING: THE ENDS OF EACH JOIST SHALL NOT HAVE LESS THAN 1-1/2 INCHES OF BEARING ON WOOD OR METAL. JOISTS FRAMING INTO BEAMS SHALL BE SUPPORTED BY METAL JOIST HANGERS. JOIST FRAMING FROM OPPOSITE SIDES OF A BEAM, GIRDER OR PARTITION SHALL BE LAPPED AT LEAST 3 INCHES OR STRAPPED TOGETHER JOISTS UNDER AND PARALLEL TO BEARING PARTITIONS SHALL BE DOUBLED.

B. LATERAL SUPPORT: JOISTS AT SUPPORTS SHALL BE SUPPORTED LATERALLY AT THE ENDS BY FULL-DEPTH SOLID BLOCKING NOT LESS THAN 2" NOMINAL THICKNESS OR BY ATTACHMENT TO A HEADER, BAND OR RIM JOIST OR TO AN ADJOINING STUD OR OTHERWISE PROVIDED WITH LATERAL SUPPORT TO PREVENT ROTATION. WHERE JOISTS ARE PERPENDICULAR TO BRACED WALL LINES, PROVIDE BLOCKING UNDER AND IN-LINE WITH THE BRACED WALL PANEL.

. DECKING TO BE 34 " (MIN.) PLYWOOD OR ORIENTED STRAND BOARD INSTALLED PERPENDICULAR TO JOISTS.

D. TOP OF WALL SUPPORT CONNECTIONS: WHERE JOISTS RUN PARALLEL TO FOUNDATION WALLS, SOLID BLOCKING FOR A MINIMUM OF 2 JOIST SPACES SHALL BE PROVIDED AT A MAXIMUM OF 4 FEET CENTERS, AND SHALL BE SECURELY NAILED TO THE JOISTS AND FLOORING. IF DUCTS ARE INSTALLED IN THE FIRST JOIST SPACE(S), NAIL 2 BY 4'S FLAT AT 4-FOOT CENTERS WITHIN THE JOIST SPACE(S) AND THEN PROVIDE THE SOLID BLOCKING. SECURE EACH 2 BY 4 TO THE SILL PLATE WITH FOUR IOD

E. "I" JOISTS (IF USED) SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS.

PROVIDE BLOCKING OR BRIDGING AT CANTILEYERS

G. PROVIDE 1/2" DRYWALL ON CEILING OF UNFINISHED SPACES FOR FLOOR FRAMING USING "I" JOISTS OR TRUSSES.

FRAMING NOTES - WALLS

A. SIZE, HEIGHT AND SPACING: UNLESS OTHERWISE NOTED, STUDS SHALL BE 2x4 DF#2's SPACED AT 16" O.C.

FOR EXTERIOR WALLS SUPPORTING A ROOF ONLY, 2 x 6 STUDS SPACED 16" O.C SHOULD BE USED FOR ALL WALLS 14' TO 18' TALL AND 2 x 6 STUDS SPACED 12" O.C SHOULD BE USED FOR WALLS 18' TO 20' TALL.

FOR WALLS SUPPORTING A ROOF AND A FLOOR 2 x 6 STUDS SPACED 16" O.C SHOULD BE USED FOR WALLS 12' TO 18' TALL

STUDS SHALL BE CONTINUOUS FROM SOLE PLATE TO TOP PLATE OR CEILING DIAPHRAGM, EXCEPT FOR JACK STUDS, TRIMMER OR CRIPLE STUDS.

B. ANGLES: ANGLED WALLS ARE ASSUMED TO BE 45° UNLESS OTHERWISE NOTED.

C. FRAMING DETAILS: BEARING AND EXTERIOR WALL STUDS SHALL BE CAPPED WITH DOUBLE TOP PLATES INSTALLED TO PROVIDE OVER-LAPPING AT CORNERS AND AT INTERSECTIONS WITH OTHER PARTITIONS. END JOINTS IN DOUBLE TOP PLATES SHALL BE OFFSET AT LEAST 48 INCHES.

D. OPENINGS: UNLESS OTHERWISE NOTED, ALL HEADERS ARE TO BE TYPE "A" PER THE HEADER SCHEDULE. EACH END OF A HEADER SHALL HAVE A BEARING LENGTH OF NOT LESS THAN 1-1/2 INCHES FOR THE FULL WIDTH OF THE LINTEL. PROVIDE SOLID BLOCKING BELOW ALL STUDS SUPPORTING HEADERS AND BEAMS.

- UNLESS OTHERWISE DIMENSIONED, INTERIOR DOORS AND CASED OPENINGS ARE TO BE CENTERED IN THE WALL OR 3" FROM CORNERS AS INDICATED ON THE DRAWINGS.

E. FIRE BLOCKING OF NON-COMBUSTIBLE MATERIAL SHALL BE PROVIDED IN OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS, FIREPLACES, AND LAUNDRY CHUTES AT CEILING AND FLOOR LEVEL.

F. CRIPPLE WALLS: FOUNDATION CRIPPLE WALLS SHALL BE FRAMED WITH 2 X 4 STUDS WITH A MINIMUM LENGTH OF 14" OR SHALL BE FRAMED OF SOLID BLOCKING. WHEN EXCEEDING 4' IN HEIGHT ON 2 STORY STRUCTURES, WALLS SHALL BE 2×6 STUDS AT 16" O.C.

G. BASEMENT NONBEARING WALLS: NON-LOAD BEARING STUD WALLS EXTENDING FROM THE FLOOR SLAB TO THE STRUCTURE ABOVE SHALL BE PROVIDED WITH A MINIMUM 1-INCH EXPANSION JOINT.

H. GARAGE DOORS AND FRAMES SHALL BE DESIGNED AND INSTALLED TO MEET A 115 mph WIND LOAD. THE H-FRAME FOR ATTACHMENT OF TRACK AND COUNTER BALANCE SHALL CONSIST OF THE FOLLOWING: 2x6 YERTICAL JAMBS RUNNING FROM FLOOR TO CEILING ATTACHES WITH 3-1/4"x120 NAILS @ 7" O.C. STAGGERED WITH 7) 3-1/4"x120 NAILS THRU JAMB INTO HEADER, MINIMUM 2x8 HEADER FOR ATTACHMENT OF COUNTER BALANCE SYSTEM.

FRAMING NOTES- DECKS

. FOR DECK LEDGER ATTACHMENT AND DECK CONSTRUCTION REFER TO IRC SECTION 507.

FRAMING NOTES- CEILING

A. BLOCKING: ROOF RAFTERS AND CEILING JOISTS SHALL BE SUPPORTED LATERALLY TO PREVENT ROTATION AND LATERAL DISPLACEMENT.

B. JOISTS FRAMING INTO BEAMS SHALL BE SUPPORTED BY METAL JOIST HANGERS.

FRAMING NOTES- ROOF

A. FRAMING: RAFTERS SHALL BE FRAMED DIRECTLY OPPOSITE EACH OTHER AT THE RIDGE. THERE SHALL BE A RIDGE BOARD AT LEAST 1-INCH NOMINAL THICKNESS AT ALL RIDGES AND NOT LESS IN DEPTH THAN THE CUT END OF THE RAFTER. AT ALL VALLEYS AND HIPS THERE SHALL BE A SINGLE VALLEY OR HIP RAFTER NOT LESS THAN 2-INCH NOMINAL THICKNESS AND NOT LESS IN DEPTH THAN THE CUT END OF THE RAFTER.

B. BRACING: ALL PURLING AND HIPS, RIDGES, AND YALLEYS SHOWN TO BE SUPPORTED SHALL BE BRACED WITH A STRUT DOWN TO A BEARING WALL (WALLS LOCATED DIRECTLY ABOYE A BEAM LINE OR CONTINUOUS FOOTING). THE MINIMUM SLOPE OF THE STRUTS SHALL NOT BE LESS THAN 45° FROM THE HORIZONTAL.

C. RAFTER TIES: RAFTERS SHALL BE NAILED TO ADJACENT CEILING JOISTS TO FORM A CONTINUOUS TIE BETWEEN EXTERIOR WALLS WHEN SUCH JOISTS ARE PARALLEL TO THE RAFTERS. WHERE NOT PARALLEL RAFTERS SHALL BE TIED TO 2"x4" MINIMUM CROSSTIES AT EACH RAFTER AND LOCATED AS CLOSE TO THE CEILING JOISTS AS POSSIBLE (RE: DETAIL 3 & 4/G3).

D. RAFTER COLLAR TIES: PROVIDE 1x4 MIN. COLLAR TIES AT 48" O.C. (RE: DETAIL 3 & 4/G3). AT CATHEDRAL CEILINGS PROVIDE RIDGE STRAPS.

E. YAULTED CEILINGS: FOR RAFTERS SMALLER THAN A 2 X 10, FURRING MUST BE ADDED TO THE BOTTOM OF THE RAFTER TO OBTAIN A 9 1/4" MINIMUM DEPTH.

F. FLASH AND COUNTERFLASH ROOF RIDGES AND VALLEYS, ROOF PENETRATIONS, CHANGES IN ROOF PITCHES, RAKES, CHIMNEY BASES, WINDOW AND DOOR HEADS, ETC. TO PROVIDE WATER TIGHT CLOSURES. ALL EXPOSED FLASHING TO BE 26 GAUGE ALUMINUM. COUNTERFLASHING SHALL BE FABRICATED FROM 40* TERNE METAL.

G. ATTIC VENTILATION: THE NET FREE VENTILATION AREA SHALL BE NOT LESS THAN 1/150 OF THE AREA OF THE SPACE VENTILATED, EXCEPT THAT THE AREA MAY BE 1/300, PROVIDED AT LEAST 50 PERCENT OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATOR LOCATED IN THE UPPER PORTION OF THE SPACE TO BE VENTILATED, AT LEAST 3 FEET ABOVE EAVES OR CORNICE VENTS, WITH THE BALANCE OF THE REQUIRED VENTILATION PROVIDED BY EAVE OR CORNICE VENTS. RAFTERS SPACES ENCLOSED BY CEILINGS DIRECTLY APPLIED TO UNDERSIDE OF RAFTERS SHALL BE SIZED TO ALLOW A MINIMUM I INCH CLEAR VENTED AIR SPACE ABOVE THE INSULATION AND EACH SPACE BETWEEN JOISTS SHALL BE VENTED.

H. ROOF SHEATHING: SHALL BE INSTALLED PERPENDICULAR TO THE ROOF JOISTS AND THE ENDS SHALL BE STAGGERED.

PREFABRICATED WOOD TRUSSES (IF USED)

A. ROOF AND FLOOR TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH TRUSS PLATE INSTITUTE (TPI) DESIGN SPECIFICATION FOR METAL PLATE CONNECTED WOOD TRUSSES AND THE NATIONAL DESIGN SPECIFICATION FOR ANSIMFOPA WOOD CONSTRUCTION. PROVIDE TEMPORARY AND PERMANENT BRACING ON ALL TRUSSES, AS REQUIRED TO PROVIDE MEMBER AND TRUSS STABILITY.

B. ROOF TRUSSES SHALL BE DESIGNED AND CONSTRUCTED FOR A MAXIMUM TOTAL LOAD DEFLECTION OF L/240, AND TO SAFELY SUPPORT THE FOLLOWING LOADS: . TOP CHORD:

a. LIVE LOAD SEE GENERAL NOTES

b. DEAD LOAD 15 PSF 2. BOTTOM CHORD: a. LIVE LOAD IØ PSF

3. WIND LOADS IN ACCORDANCE WITH THE APPROPRIATE BUILDING CODE. GABLED END TRUSSES SHALL HAVE VERTICAL MEMBERS SPACED AT 16" ON CENTER MAXIMUM. 4. TRUSSES SHALL ALSO BE DESIGNED TO SUPPORT ADDITIONAL OVERBUILD FRAMING TO FORM VALLEYS AND

HIPS ON ROOFS. 5. TRUSSES SHALL BE DESIGNED TO SUPPORT DRIFTED SNOW LOADS IN ACCORDANCE WITH THE APPROPRIATE BUILDING CODE.

6. TRUSSES SHALL BE ATTACHED TO WALL ASSEMBLIES BY CONNECTIONS CAPABLE OF RESISTING UPLIFT FORCES AS SPECIFIED ON THE TRUSS DESIGN DRAWINGS PER IRC TABLE R802.11.

ENERGY REQUIREMENTS

THE BUILDING THERMAL ENEVELOPE IS REQUIRED TO BE SEALED (IRC NII02.4.1)

B. RECESSED LIGHTING SHALL BE SEALED TO PREVENT LEAKAGE BETWEEN CONDITIONED AND UNCONDITIONED

C. DUCTS, AIR HANDLERS, FILTER BOXES AND BUILDING CAVITIES USED AS DUCTS SHALL BE SEALED (IRC SECTION

D. PENETRATIONS IN AIR BARRIERS (HOUSE WRAP) SHALL BE TAPED AND SEALED AS REQUIRED BY AIR BARRIER MANUFACTURER, WINDOW/ DOOR MANUFACTURER AND ENERGY CODE.

D. FOR CITY OF OLATHE (BUILDER CHECK ONE):

THE ENERGY AUDIT METHOD OF COMPLIANCE FOR THE 2009 ENERGY CODE SHALL BE FOLLOWED.

THE PRESCRIPTIVE METHOD FOR COMPLIANCE WITH THE 2018 ENERGY CODE SHALL BE FOLLOWED.

CONNECTION	NAILS	
CONNECTION JOIST TO SILL OR GIRDER	3-8d	LOCATI TOENA
DOIST TO SILL OR GIRDER	3 - 3" × Ø.131"	IOENA
BRIDGING TO JOIST	2-8d	TOENAIL
	2 - 3" × Ø.131"	
BOLE PLATE TO JOIST OR BLOCKING	16d at 16" o.c.	FACE NA
	3-3" x Ø.131 at 8" o.c.	
BOLE PLATE TO JOIST / BLOCKING: AT BRACED WALL PANELS		FACE N
TOP PLATE TO STUD	4 -3" x Ø.131 at 16" o.c.	END NA
TOT I LATE TO GIAD	3 - 3" × Ø.131"	
STUD TO SOLE PLATE	4-8d	TOENAIL
	4 - 3" × Ø.131"	
	2-16d	FACE N
DOUBLE STUDS	3 - 3" x Ø.131" 16d at 24" o.c.	FACE N
	3" x Ø.131 at 8" o.c.	
DOUBLE TOP PLATES	16d at 24" o.c.	FACE N
	3" x Ø.131 at 12" o.c.	
	8-16d	LAP SPL
	12-3" x Ø.131 3-8d	TOENAIL
BLOCKING BETWEEN JOISTS AND RAFTERS TO TOP PLATE	3-8" x Ø.131 at 12" o.c.	IOENAIL
RIM JOIST TO TOP PLATE	8d at 6" o.c.	TOENAIL
	3" x Ø.131 at 6" o.c.	
OP PLATE, LAPS AND INTERSECTIONS	2 - 16d	FACE N
	3 - 3" x Ø.131"	FACEN
CONTINUOUS HEADER, 2 PIECES.	16d at 16" o.c. 3" x Ø.131 at 12" o.c.	FACE N
CEILING JOISTS TO TOP PLATE	3-8d	TOENAIL
	5 - 3" x Ø.131	
CONTINUOUS HEADER TO STUD	4-8d	TOENAIL
	6 - 3" x Ø.131	
CEILING JOISTS, LAPS OVER PARTITIONS	3-16d 4 - 3" x Ø.131	FACE N
CEILING JOISTS TO PARALLEL RAFTERS/	RE: IRC TABLE	FACE N
RAFTER TIES TO RAFTERS	R802.5.1 (9)	
RAFTER TO PLATE	3-8d	TOENAIL
	3 - 3" × Ø.131"	
" DIAGONAL BRACE TO EACH STUD AND PLATE	2-8d 2 - 3" × Ø.131"	FACE N
BUILT UP CORNER STUDS	16d at 24" o.c.	FACE N
Built up corner studs	3" x Ø.131" at 16" o.c.	
BUILT UP BEAMS. STAGGER NAILS O	120d at 32" o.c.	FACE N
OPPOSITE SIDES	3" x Ø.131" at 24" o.c.	
BUILT UP BEAMS AT ENDS AND BPLICES	2-20d 3 - 3" x 0.131"	FACE N
COLLAR TIE TO RAFTER	3-10d	FACE N
	4 - 3" × Ø.131"	
JACK RAFTER TO HIP	3-10d	TOE NA
	4 - 3" × Ø.131"	
	2-16d 3 - 3" × Ø.131"	FACE N
ROOF RAFTER TO 2 × RIDGE BEAM	2-16d	TOE NAI
NOOF RAFFER TO 2 X RIDGE BEAT	3 - 3" × Ø.131"	FACE N
JOIST TO BAND JOIST	3-16d	FACE N
	4 - 3" × Ø.131"	
LEDGER STRIP	3-16d 4 - 3" x Ø.131"	FACE N
3/4" OR LESS WOOD STRUCTURAL	6d at 12" o.c.	INTERMEDI
PANEL WALL, SUBFLOOR, & ROOF	6d at 6" o.c.	EDGES
BHEATHING	2 3/8" x Ø.113 AT 8" o.c.	
	2 3/8" x Ø.113 AT 4" o.c.	EDGES
1/8" TO 1" WOOD STRUCTURAL PANEL		INTERMEDI
UALL, SUBFLOOR, & ROOF BHEATHING	8d at 6" o.c. 2 1/2" x Ø.131 AT 8" o.c.	EDGES
	2 3/8" x Ø.131 AT 4" o.c.	
1/8" TO 1 1/4" WOOD STRUCTURAL	8d at 12" o.c.	INTERMEDI
PANEL WALL, SUBFLOOR, & ROOF	10d at 6" o.c.	EDGES
BHEATHING	3" x Ø.148 AT 8" o.c.	INTERMEDI
HADDO ADD ATTIC	3" x Ø.148 AT 4" o.c.	EDGES
HARDBOARD SIDING	8d at 6" o.c. 8d at 12" o.c.	INTERMEDI EDGES
	6d at 8" o.c.	INTERMEDI
7/2" GTPSUM SHEATHING	6d at 4" o.c.	EDGES
/2" GYPGUM SHEATHING		
5/8" GYPSUM SHEATHING	8d at 8" o.c.	INTERMEDI
	8d at 8" o.c. 8d at 4" o.c. 8d each side	EDGES FACE N

1. ON ½" GYPSUM SHEATHING, 1½" TYPE W OR S SCREWS MAY BE

BE 1 %" LONG. THE SPACING IS THE SAME AS THE NAILS.

USED IN LIEU OF NAILS. ON 1/8" SHEATHING, THE SCREWS ARE TO

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DRAWN BY: KF, MP DATE: 4-2Ø-21 PROJECT NO: 19-024-02



ELEVATION AT FOUNDATION STEP

A-DTE-03300-01

WALL SECTION

A-DTW-06062-19 E





7 323 DR. 064 RIDG S NE S SU က PARK 2024 LEE's

1064 HOME MONTICELL(P.O. BOX 7005

MIN. 3'x3'

9 SQ. FT.

EGRESS LADDER

REQUIRED FOR

WELLS MORE

THAN 44" DEEP

PER IRC R310.2

POUR WINDOW WELL WALL WITH INITIAL FOUNDATION POUR, AND PROVIDE

ANCHORAGE TO THE FOUNDATION AND APPROVED SEAL AT JOINTS

EGRESS

WINDOW —

-MLO-ELEVATION

MAX. 3'-8" SIDEYARD

-EXTEND DRAIN AND

DRAINAGE SYSTEM

—SLEEVE THRU WALL

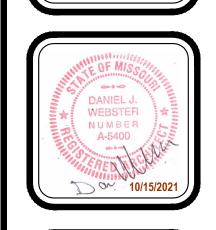
FOR FOUNDATION

A-DTW-06062-26

ENCROACHMNT

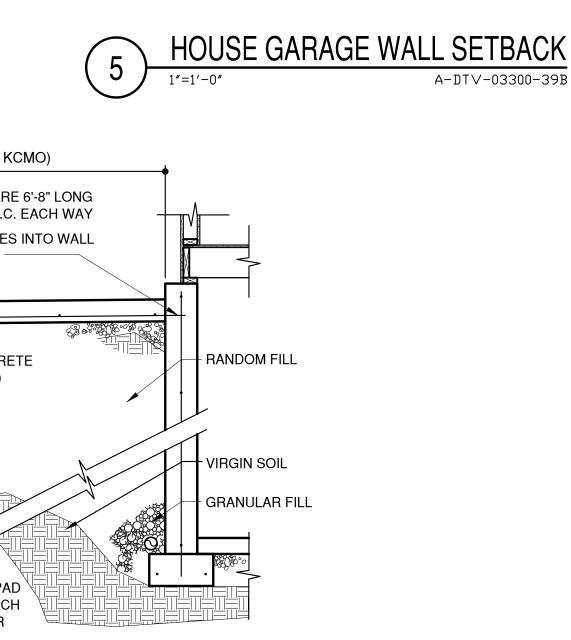
CONNECT TO

DRAIN



DATE: 4-2Ø-21 PROJECT NO: 19-024-02

RELEASE FOR C 10/15/2021



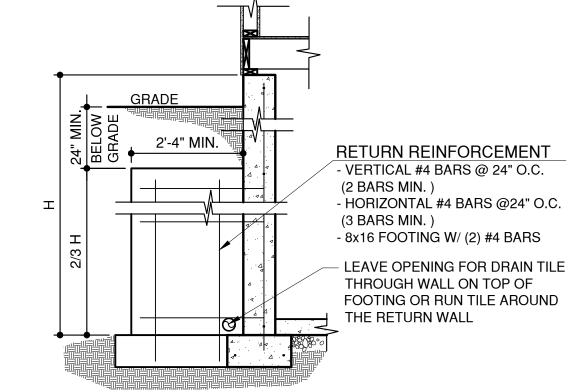
- 2x4 TREATED SILL PLATE

OPTIONAL 2" LEDGE

-1/2"x1/2" ANCHOR BOLTS AT 3'

O.C. AND 1' MAX. FROM EACH

CORNER (MIN. 2 PER PLATE)

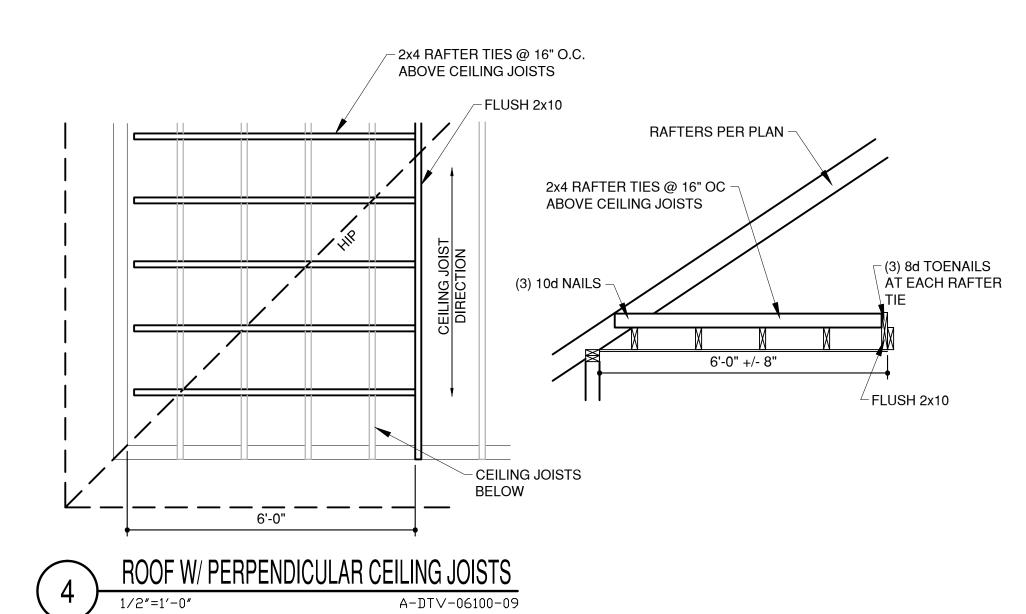


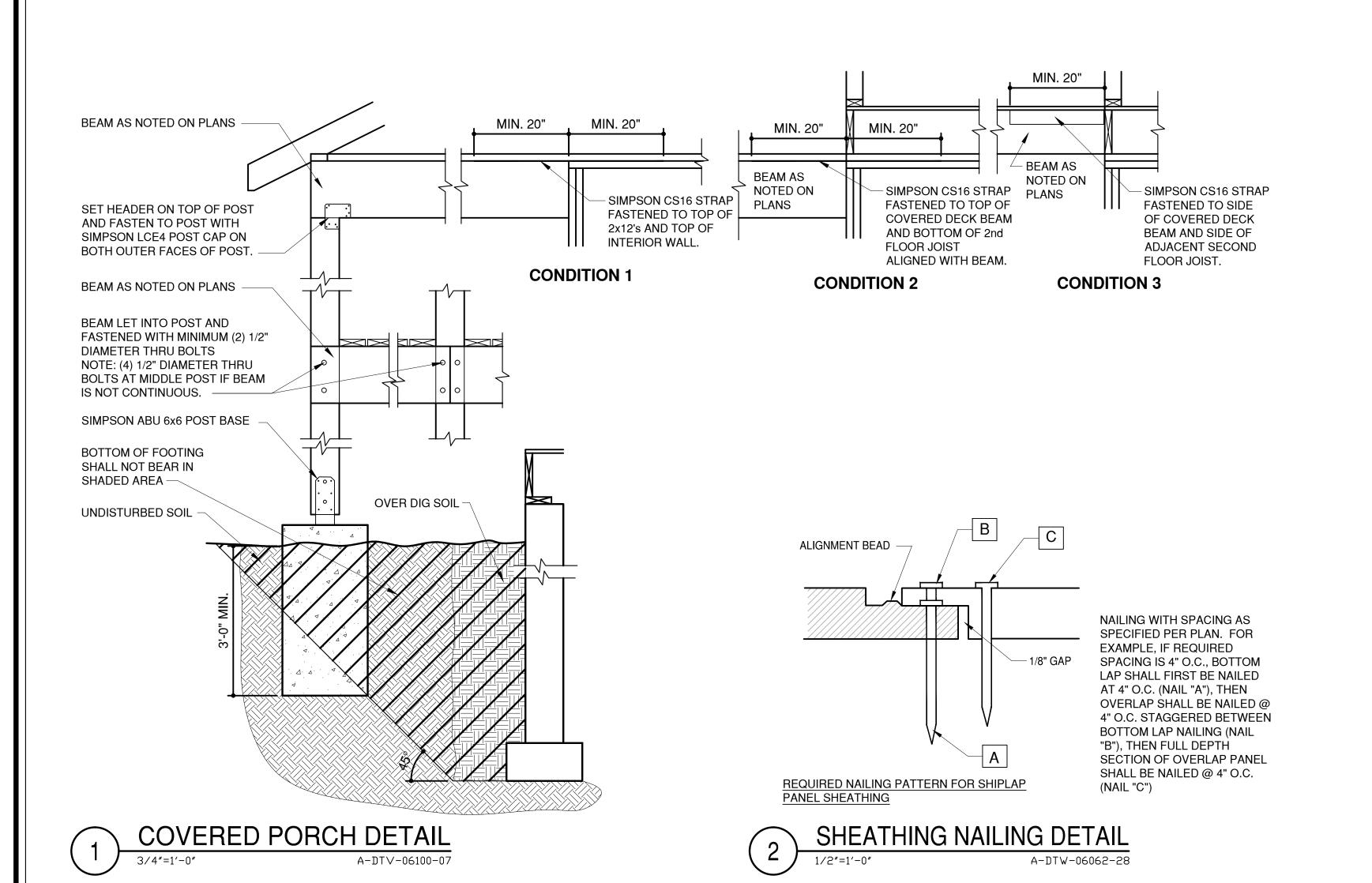
RETURN WALL DETAIL

TABLE R602.10.6.4 TENSION STRAP CAPACITY REQUIRED FOR RESISTING WIND PRESSURES PERPENDICUALR TO METHOD PFH,PFG, AND CS-PF BRACED WALL PANELS

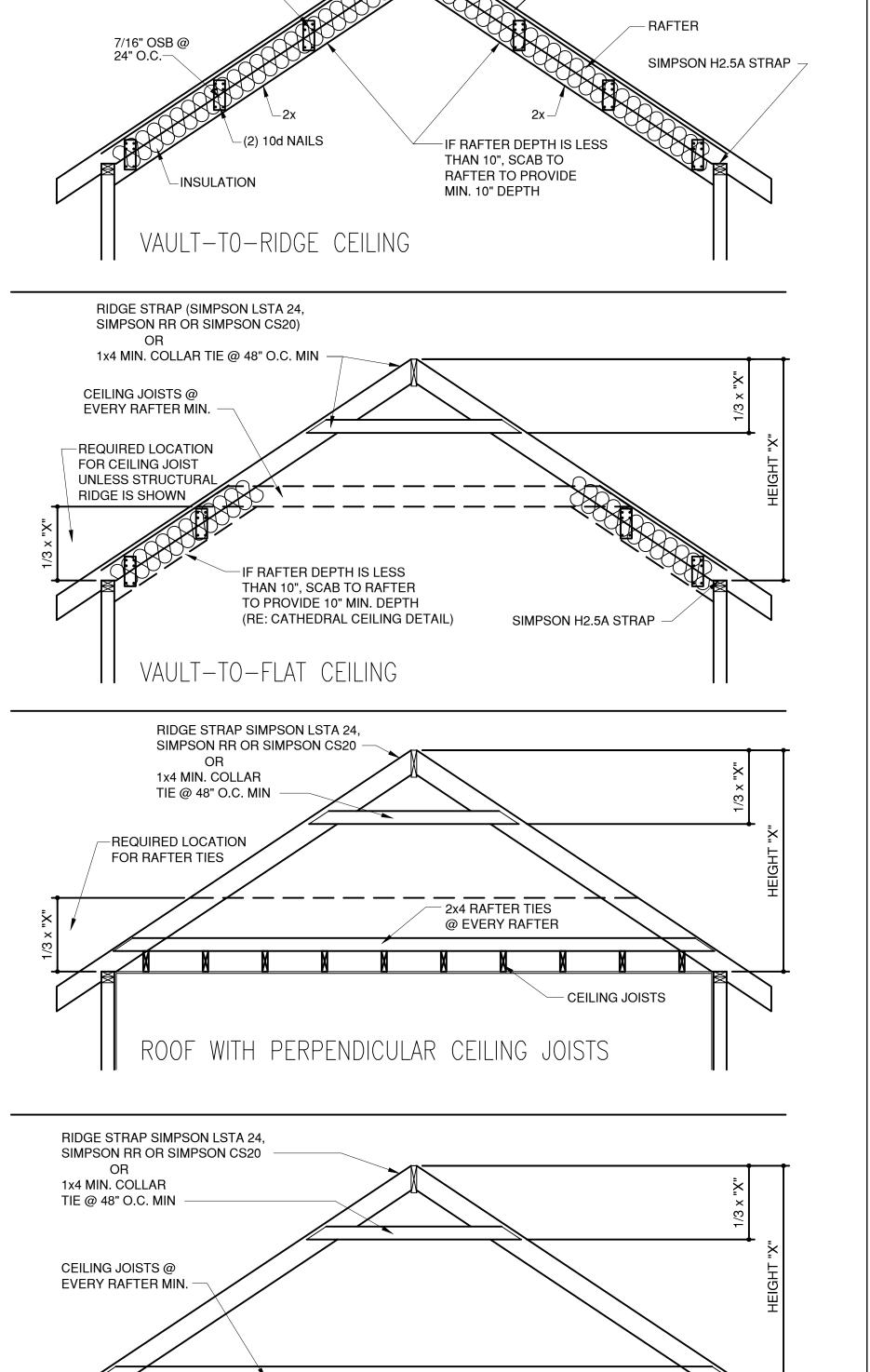
	MAXIMUM PONY MAXIMUM TOT		MAXIMUM	TENSION STRAP CAPACITY REQUIRED (pounds) a,b					
MINIMUM WALL STUD FRAMING NORMAL SIZE	WALL HEIGHT (feet)	WALL HEIGHT (feet)	OPENING WIDTH (feet)	ULTIMATE DESIGN WIND SPEED (mph)					
AND GRADE				110	115	130	110	115	130
					EXPOSI	JRE B	EXPOSURE C		
	0	10	18	1,000	1,000	1,000	1,000	1,000	1,050
			9	1,000	1,000	1,000	1,000	1,000	1,750
	1	10	16	1,000	1,025	2,050	2,075	2,500	3,950
			18	1,200	1,275	2,375	2,400	2,850	DR
	2	10	9	1,000	1,000	1,475	1,500	1.875	3,125
0 4 110 0 0 0 0 1 0 0			16	1,775	2,175	3,525	3,550	4,125	DR
2 x 4 NO. 2 GRADE			18	2,075	2,500	3,950	3,975	DR	DR
	2	12	9	1,150	1,500	2,650	2,675	3,175	DR
			16	2,875	3,375	DR	DR	DR	DR
			18	3,425	3,975	DR	DR	DR	DR
	4	12	9	2,275	2,750	DR	DR	DR	DR
			12	3,225	3,775	DR	DR	DR	DR
	2	2 12	9	1,000	1,000	1,700	1,700	2,025	3,050
			16	1,825	2,150	3,225	3,225	3,675	DR
O V C OTLID ODADE			18	2,200	2,550	3,725	3,750	DR	DR
2 x 6 STUD GRADE			9	1,450	1,750	2,700	2,725	3,125	DR
	4	4 12	16	2,050	2,400	DR	DR	DR	DR
			18	3,50	3,800	DR	DR	DR	DR

a. DR = DESIGN REQUIRED





2-9-21



ROOF WITH PARALLEL CEILING JOISTS

A-DTV-06100-04

ROOF FRAMING DETAIL

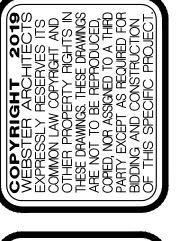
RIDGE BEAM

— 1" AIR GAP TO RIDE VENT

RIDGE STRAP SIMPSON LSTA 24,

SIMPSON RR OR SIMPSON CS20 -









RIDG 5 NE 5 SU က PARK 2025 LEE's

10. 4740 HOMES 816-478 0 MONTICELL(



DATE: 4-20-21 PROJECT NO: 19-024-02

ROOF FRAMING TO COMPLY WITH SECTIONS

R802, R802.3, R802.3.1 AND R802.11



b. STRAP SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

BRACED WALL DESIGN:

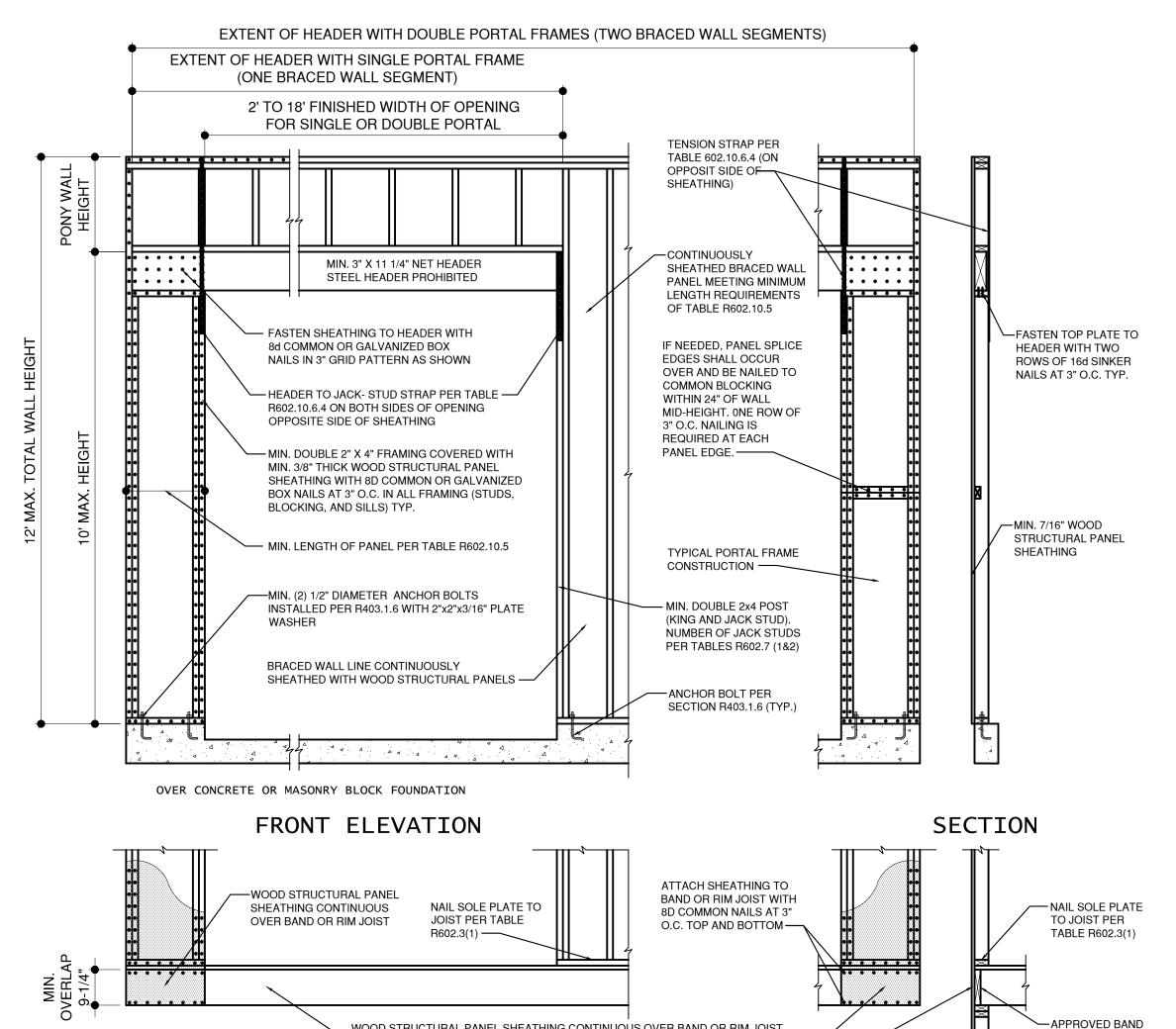
A. SEE XXX ON BRACED WALL PLAN FOR BRACED WALL METHOD.

A. THE CONTINUOUSLY SHEATHED (CS-WSP) BRACED WALL METHOD HAS BEEN USED ON ALL EXTERIOR WALLS PER THE I.R.C.

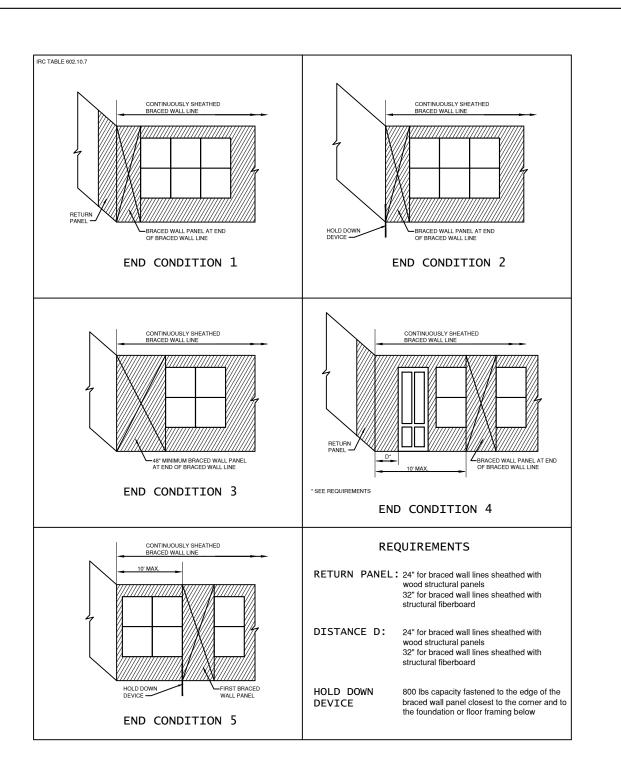
B. AT EXTERIOR WALLS AND AT THE WALL BETWEEN THE GARAGE AND THE LIVING SPACE, ATTACH WALL SOLE PLATE TO ALL RIM JOISTS (THROUGH SUB-FLOOR) WITH 16d COMMON (0.162"x3 1/2") NAILS @ 12" O.C.

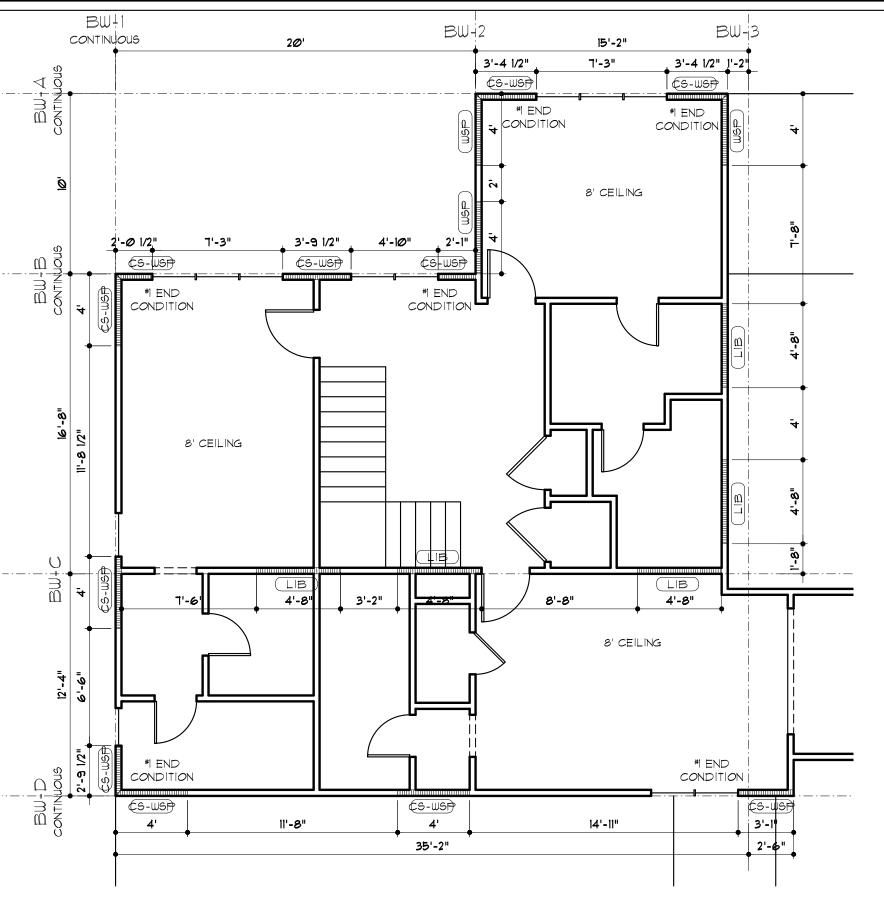
C. ALL EXTERIOR WALLS SHALL BE SHEATHED PER ONE OF THE FOLLOWING OPTIONS:

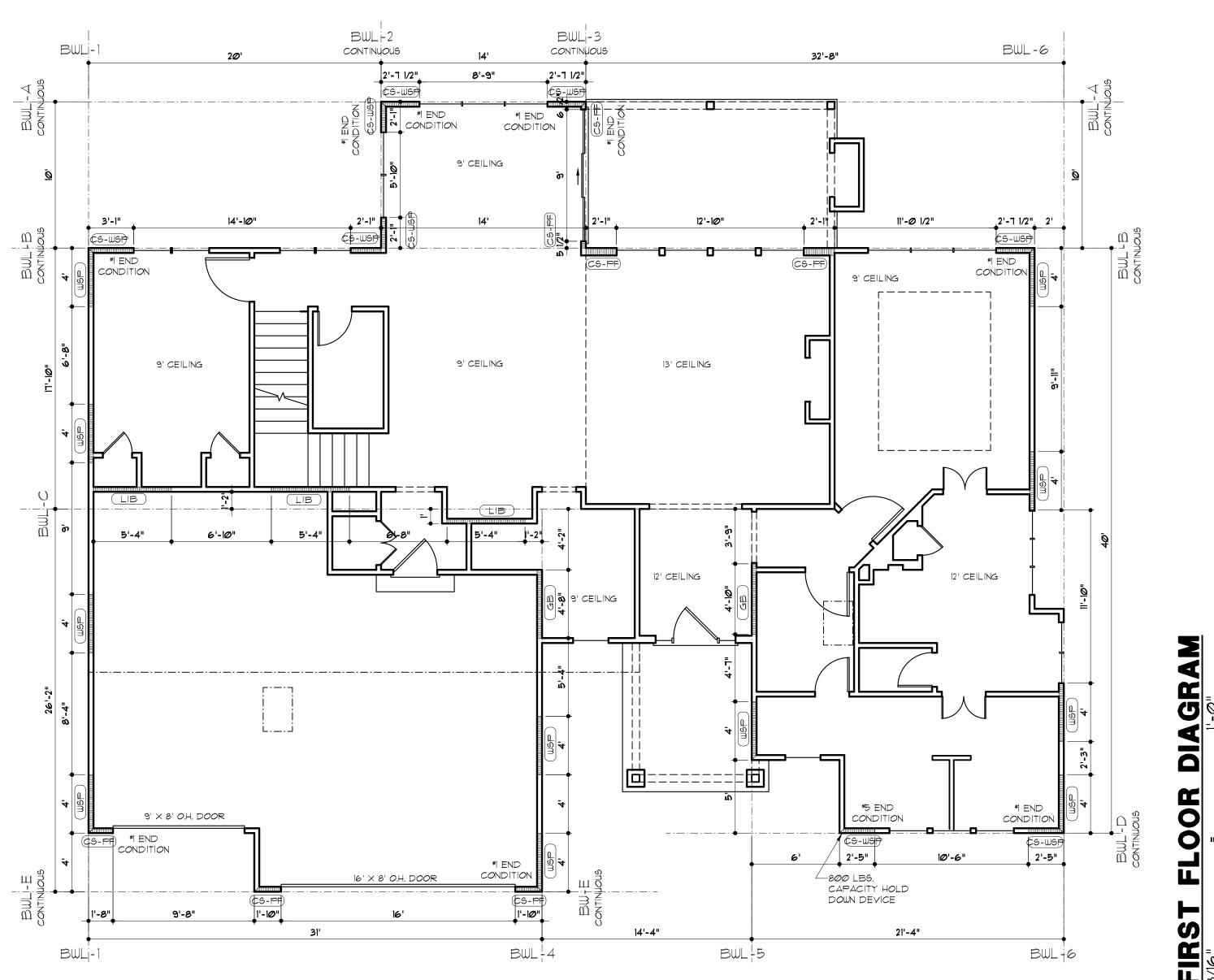
- 1/6" APA-RATED PLYWOOD/OSB WITH 8d NAILS @ 4" O.C. AT EDGES AND @ 12" O.C. IN THE FIELD
- 16" SHIPLAP PANEL SHEATHING (I.E. LP SMARTSIDE OR EQUIVALENT) WITH 8d NAILS @ 4" O.C. AT EDGES AND @ 12" O.C. IN THE FIELD PER DETAIL 2/G3
- 3/4" SHIPLAP PANEL SHEATHING (I.E. LP SMARTSIDE OR EQUIVALENT) WITH 6d NAILS @ 3" O.C. AT EDGES AND @ 12" O.C. IN THE FIELD PER DETAIL 2/G3

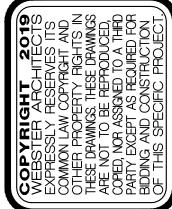


OR RIM JOIST









7 323 DR. 064

RIDG NE S SU

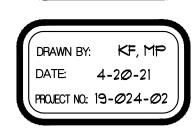
ARK 2029 EE'

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LOT NECT

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OND





- WOOD STRUCTURAL PANEL SHEATHING CONTINUOUS OVER BAND OR RIM JOIST -OVER RAISED WOOD FLOOR - OVERLAP OPTION (WHEN PORTAL SHEATHING LAPS OVER BAND OR RIM BOARD) A-DTE-06100-25 PF