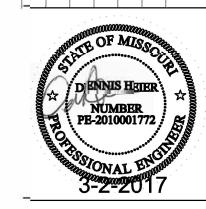
DETAIL (NOT TO SCALE)

CARE AND EFFIRT HAVE GINE INTO THE CREATION AND DESIGN OF THIS PLAN HOVEVER, THE DESIGNER IS NOT AN ARCHITECT OR ENGINER AND CONSTRUCTION FROM THESE PLANS STOLLD NOT BE UNDERTAKEN VITHOUT THE ASSISTANCE OF A CONSTRUCTION PROFESSIONAL, ARCHITECT OR ENGINEER RECAUSE OF THE DIPOSSIBILITY OF ANY "TON STITE" CONCULTATION AND SUPERVISION, VIEWPOINT EXCIDENTAL LLC, AND DESIGNER ASSUME NE RESPONSIBILITY FOR ANY DAMAGES, DUCLODING STRUCTURAL FALLINES, DUE TO ANY DEFICIENCIES, DRISSIONS OF ERROR IN THE DESIGN OF BLUEPRINTS.

A SO, STITE CONDITIONS ANY VROY FROM THOSE ILLUSTRATED IN THIS PLAN FOR UNA VIEW SECRET. THE VIEW FOR USE FOR MY PARK THE THE THE VIEW FOR USE ON VIEW SECRET.

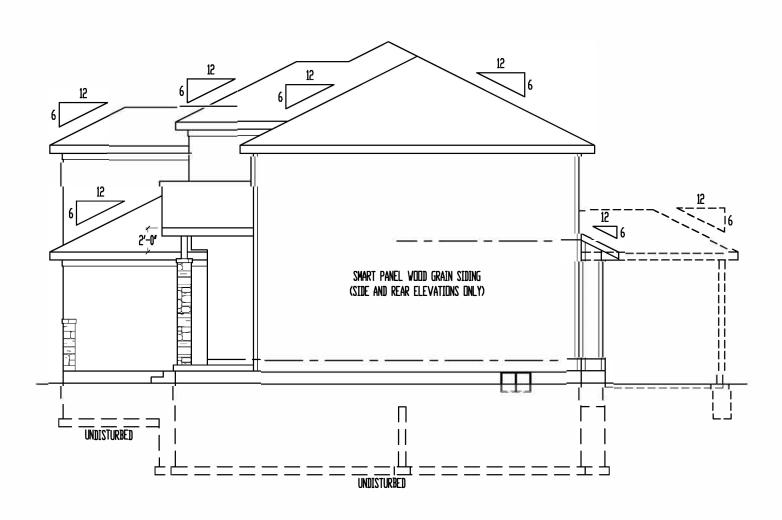
RESIDENTIAL DESIGN-LLC

1550 SW Market St., Ste. 230-A V Lee's Summit, MO 64081-3113 V Office: (816) 554-0400 Ext. 101

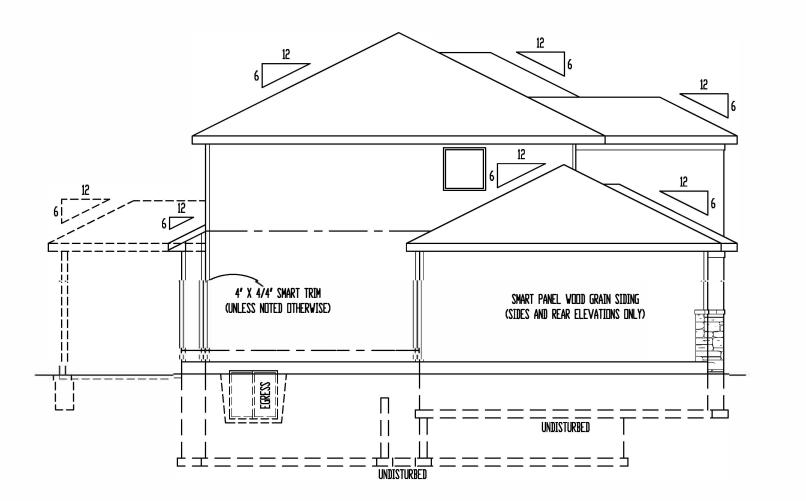


25**17** SW River Traill Rd Lot 670

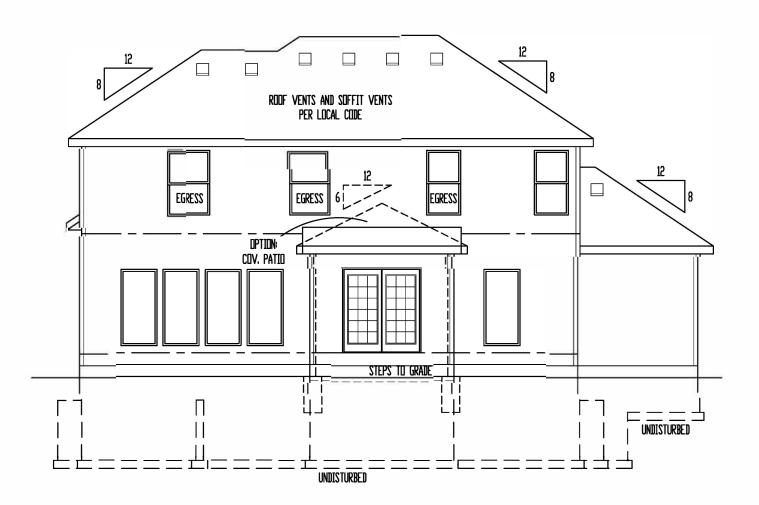
SHEET TITLE: SHEET NO.: 1 of 6
FRONT ELEVATION DATE: 03022017



RIGHT ELEVATION SCALE: 1/8'' = 1'-0''



LEFT ELEVATION SCALE: 1/8'' = 1'-0''



REAR ELEVATION SCALE: 1/8'' = 1'-0''

SMART PANEL VOOD GRAIN SIDING ON SIDE AND REAR ELEVATIONS
COMPOSITION ROOF SHINGLES
LOCATE ROOF AND SOFFIT VENTS PER CODE
ADJUST FOUNDATION TO GRADE OPTIONAL DECK:

DECK CONSTRUCTION TO COMPLY WITH MUNICIPALITY'S

RESIDENTIAL DECK STANDARDS

2' X 10' #2 TTD. @ 16' D.C. FLOOR JOISTS (MAX. SPAN: 14'-0')

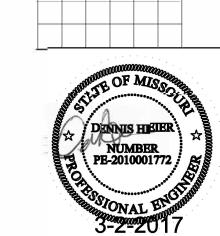
2' X 6' TTD. DECKING

6' X 6' TTD. POSTS

2' X 2' TTD. SPINDLES

2' X 6' TTD. TOP RAIL

DETERMINE OPTIONAL STAIRS ON SITE



2517 SW River Traill Rd Lot **67**0

SHEET TITLE: SIDE AND REAR ELEVATIONS SHEET NO.: 2 OF 6 DATE: 03022017

ROOF

SCALE: 1/4'' = 1'-0''

*ALL RAFTERS SHALL BE 2' X 6' #2 € 16' D.C., UNLESS NOTED OTHERVISE.

Flashing note: DRIP EDGE, VALLEYS AND FLASHINGS TO BE METAL CLAD.

ROOF DESIGNED FOR LIGHT ROOF COVERING 30psf TOTAL LOAD [10psf DL, 20psf LL (SL)]

* RAFTERS (HEM-FIR, DOUG-FIR, OR EQUAL): SEE SPAN CHARTS BELOW

	RAFTERS	SPACING	MAX HORIZONTAL CLEARSPAN]
	#2-2x6	924' D.C.	11'-7"	
>>>	#2-2x6	916' N.C.	14'-2 '](((
	#2-2x8	924" N.C.	14'-8"	
	#2-2x8	916' D.C.	17'-11 '	
	#2-2x10	924" N.C.	17'-10 '	
	#2-2x10	016° П.С.	21'-11 '].

NOTE: CODE MINIMUM ALLOWS FOR A RAFTER DEFLECTION OF L/180 TOTAL LOAD

HIGHER PERFORMANCE (RECOMMENDED)						
RAFTERS	SPACING	MAX HORIZONTAL CLEARSPAN				
#2-2x6	924" D.C.	8'-6 '				
#2-2x6	916' D.C.	9'-9'				
#2-2x8	924" N.C.	11'-3'				
#2-2x8	€16 ′ D.C.	12'-9'				
#2-2x10	924" D.C.	14'-3'				
H2 2.40	MILL DC	10/ 20				

#2-2x10 | 916' D.C. | 16'-3'
DEFLECTION = L/360 LIVE LOAD, L/240 TOTAL LOAD

¥ VAULTS TO BE 2x10 DEPTH

* RIDGE BUARDS ARE: (UNLESS OTHERWISE NOTED) - #2- 2X8 UP TO 10/12 PITCH

- #2- 2X10 OVER 10/12 PITCH * ALL HIPS & VALLEYS ARE: (UNLESS OTHERWISE NOTED)

- #2- 2X8 UP TO 10/12 PITCH - #2- 2X10 OVER 10/12 PITCH

* PURLINS ARE 2X6 MIN. - PURLIN STRUTS ARE AT 4'-0' [LC.

- PURLIN STRUTS SHALL BE INSTALLED AT NOT LESS THAN A

45 Degree angle with the Horizontal - ALL PURLINS STRUTS SHALL HAVE A MAXIMUM UNBRACED LENGTH OF 8'-0'

- PURLINS STRUTS SHALL BE CONSTRUCTED IN A 'T' CONFIGURATION AND PER THE FOLLOWING CHART:

PURLIN STRUT	MAX PURLIN STRUT LENGTH
(2) 2x4	8′-0 ′
(1) 2x4 & (1) 2x6	12'-0 '
(1) 2x6 & (1) 2x8	20'-0'
(2) 2x6 & (1) 2x8	30'-0 '
CUNCILL ADOLL VENCO V	20/ 0/

* RIDGE BRACES ARE SAME AS PURLIN BRACES-SPACING, SIZE, CONFIGURATION, & INSTALLATION (SEE PURLIN BRACE NOTES ABOVE)

* HIP & VALLEY BRACES ARE SAME AS PURLIN SIZE, CONFIGURATION, & INSTALLATION (SEE PURLIN BRACE NOTES ABOVE)

* VERTICAL BRACE IF DOT IS UNDER HIP OR VALLEY * SLASH IS TOP END OF BRACE (/), DOT IS BOTTOM OF BRACE (o).

* ODENLITES BEARING WALL * — DENOTES ROOF BRACE

* — DENOTES PURLIN

* — DENOTES BEARING STRUCTURE

DENNIS HEIER

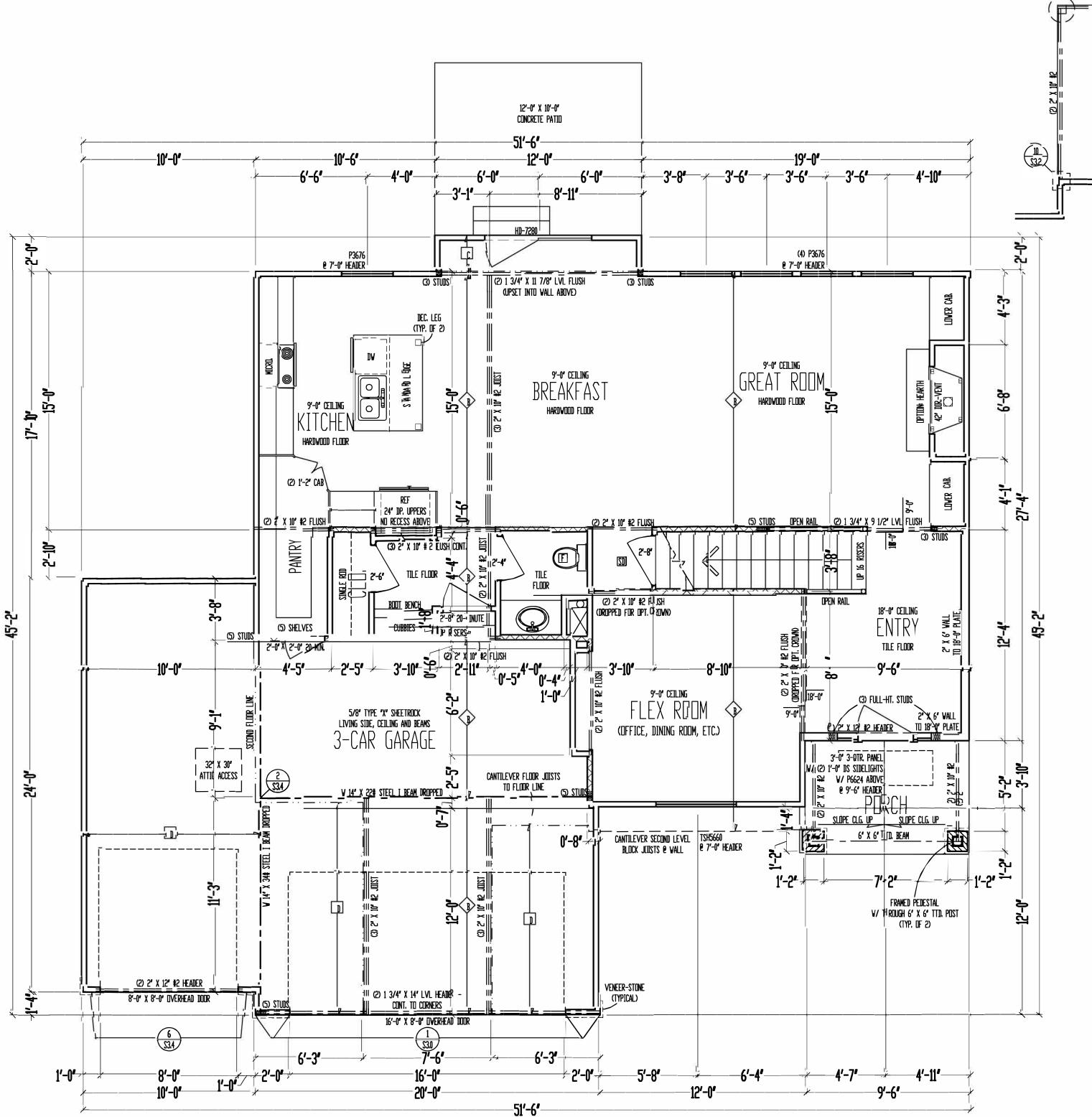
2517 SW River Traill Rd Lot **6**70

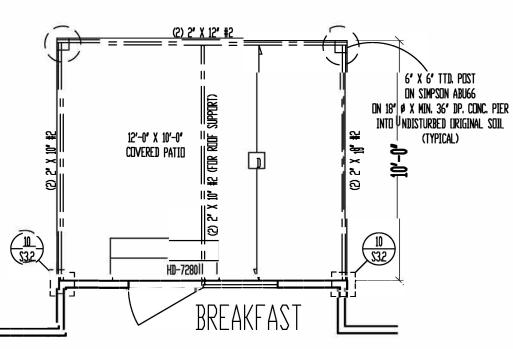
NUMBER

PE-2010001772

SHEET TITLE: ROOF PLAN

SHEET NO.: 3 of 6 DATE: 03022017





OPTION: COVERED PATIO SCALE: 1/4" = 1'-0"

9'-0" CEILING
2" X 10" FLOOR SYSTEM
MAIN LEVEL
SCALE: 1/4" = 1'-0"

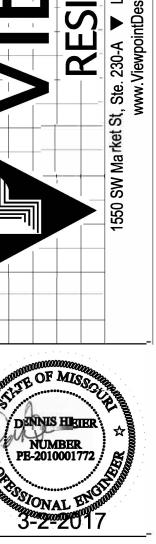
MAIN LEVEL: 1094 SQ, FT, SECOND LEVEL: 1221 SQ, FT, TOTAL: 2315 SQ, FT,

GARAGE: 667 SQ. FT.

<u>Framing notés</u> 1. Home is sheathed W/ 7/16° (I.S.B. A.P.A. Panels W/ 8d common NAILS @ 6' D.C. AT EDGES & @ 12' D.C. IN THE FIELD. SMART PANEL, DR EQUAL, INSTALLED PER MANUFACTURER'S SPECIFICATIONS. 2. \ \ \ \ \ \ \ \ \ = G.B.: $1/2^{\prime}$ Min. Gypsum Board over studs spaced 24" Max fastened V/ No. 6 - 1 $1/4^{\prime}$ Type V or S DRYWALL SCREWS @ 7" D.C. EDGES & FIELD. (MIN. 8'-0" SECTIONS DNE SIDE OF WALL (OR) MIN. 4'-0' SECTION FOR BOT∯ SIDES) 3. $\/\/\/\/\/\/\$ = Load bearing interior wall. 4. (2) 2" x 10" #2 header at all exterior and load bearing VALLS, UNLESS NOTED OTHERVISE. 5. LOV TIES @ 4'-0' D.C. (TYPICAL) 6. RUN STUDS THE FULL HEIGHT OF RAISED PLATE WALLS. 7. BLÜCK JUISTS ABUVE BEAMS, CANTILEVERS AND LUAD BEARING WALLS WITH JOIST MATERIAL (NOT REQUIRED WITH I-JOISTS). 8. PROVIDE MULTIPLE STUDS FOR SOLID BEARING BELOW ALL BEAMS. 9. ALL DESIGNATED 2' X 6' WALLS SHALL HAVE DOUBLE KING STUDS AT DOOR AND VINDOV OPENINGS. 10. ALL UNSQUARE VALLS SHALL BE 45°, UNLESS NOTED OTHERWISE. 11. ALL WALLS TO BE FRAMED W/ MIN. STUD GRADE 2" X 4"S @ 16" D.C., UNLESS NOTED OTHERWISE. 12. EXTERIOR WALL BOTTOM PLATES SHALL BE NAILED TO FRAMING BELLIV VITH 16d COMMON NAILS @ 8" D.C. MAX. (VHERE APPLICABLE.)

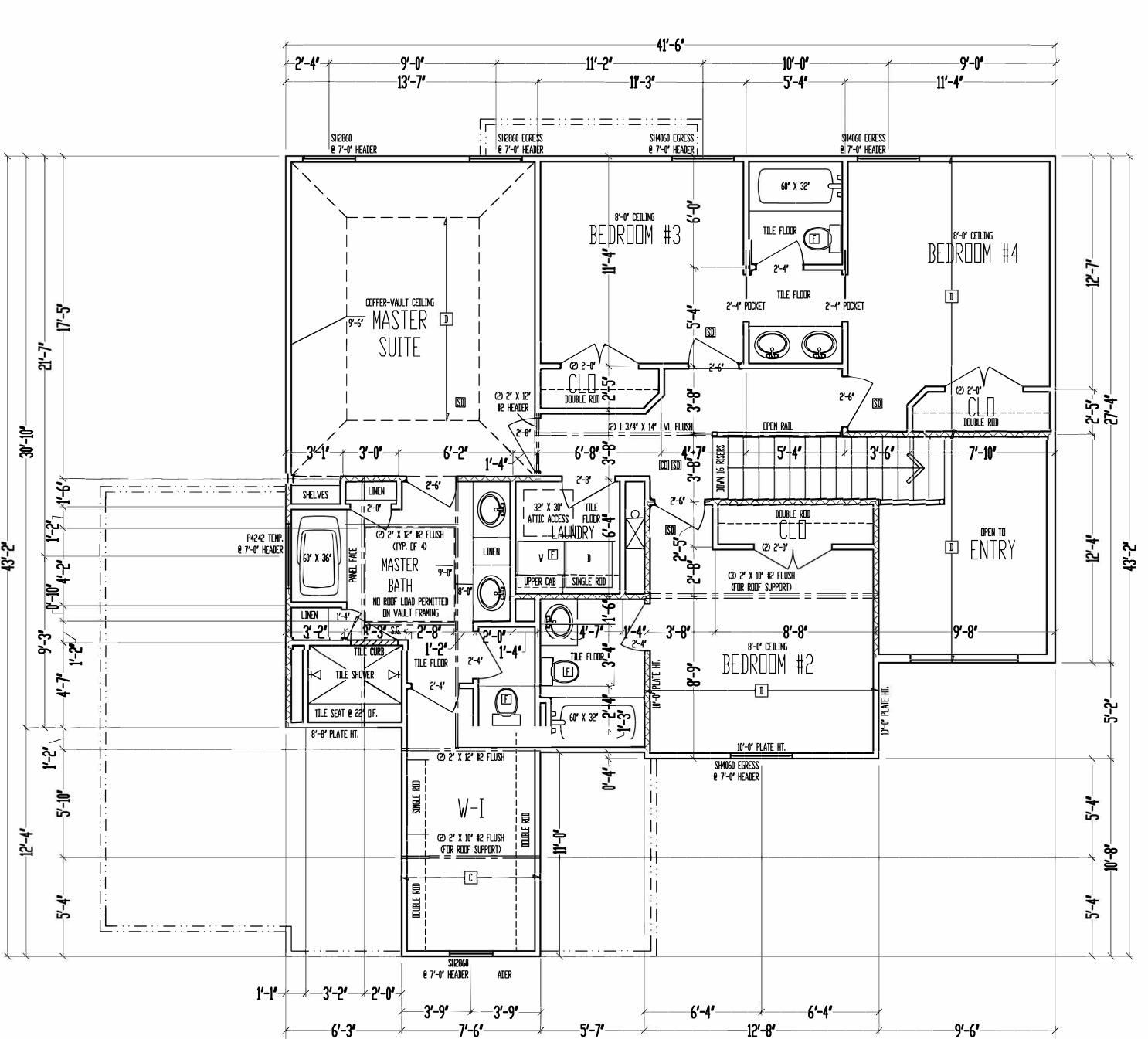
JOIST SCHEDULE					
$\langle A \rangle$	2" X 10" #3 FLOOR JOIST @ 16" D.C.				
(B)	2" X 10" #2 FLOOR JOIST @ 16" D.C.				
С	2' X 6' #3 CEILING JOIST 9 16' D.C.				
D	2" X 6" #2 CEILING JOIST @ 16" D.C.				



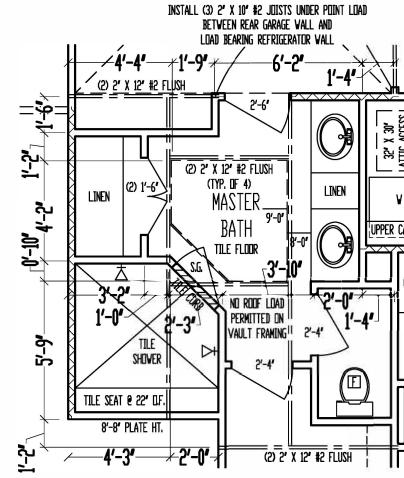


2517 SW River Traill Rd Lot 670

SHEET TITLE: SHEET ND.: 4 of 6 MAIN LEVEL PLAN DATE: 03022017



-41**'-6"**-



OPTION: NO WHIRLPOOL TUB OR WINDOW SCALE: 1/4" = 1'-0"

8'-0" CEILING

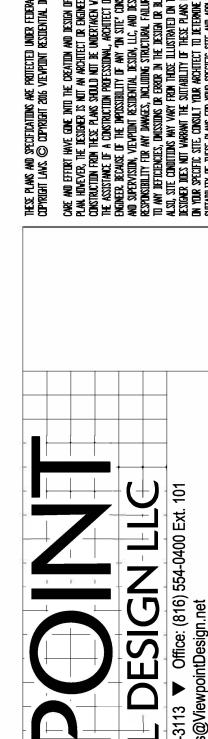
SECOND LEVEL

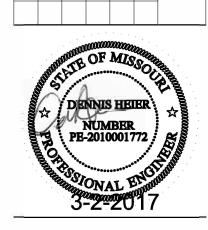
SCALE: 1/4" = 1'-0"

SECOND LEVEL: 1221 SQ. FT.

1. Home is sheathed W/ 7/16' d.s.b. a.p.a. Panels W/ 8d common Nails @ 6' d.c. at edges & @ 12' d.c. in the field. Smart Panel, dr EQUAL, INSTALLED PER MANUFACTURER'S SPECIFICATIONS. 2. \ \ \ \ \ \ \ \ \ \ \ = G.B.: 1/2'' Min. Gypsum Bdard over STUDS SPACED 24" MAX FASTENED V/ ND. 6 - 1 1/4" TYPE V DR S Dryvall Screvs @ 7" D.C. Edges & Field. (Min. 8'-0" Sections one SIDE OF WALL (OR) MIN. 4'-0" SECTION FOR BOTH SIDES) 3. ///////// = LOAD BEARING INTERIOR WALL. 4. (2) 2" X 10" #2 HEADER AT ALL EXTERIOR AND LOAD BEARING VALLS, UNLESS NOTED OTHERVISE. 5. LOW TIES @ 4'-0' D.C. (TYPICAL) 6. RUN STUDS THE FULL HEIGHT OF RAISED PLATE WALLS. 7. BLOCK JOISTS ABOVE BEAMS, CANTILEVERS AND LOAD BEARING WALLS WITH JOIST MATERIAL (NOT REQUIRED WITH I-JOISTS). 8. PROVIDE MULTIPLE STUDS FOR SOLID BEARING BELOW ALL BEAMS. 9. ALL DESIGNATED 2" X 6" WALLS SHALL HAVE DOUBLE KING STUDS AT DOOR AND VINDOW OPENINGS. 10. ALL UNSQUARE WALLS SHALL BE 45°, UNLESS NOTED OTHERWISE. 11. ALL VALLS TO BE FRAMED W/ MIN. STUD GRADE 2" X 4"S @ 16" C.C., UNLESS NOTED OTHERVISE. 12. EXTERIOR VALL BOTTOM PLATES SHALL BE NAILED TO FRAMING BELOV VITH 16d COMMON NAILS @ 16' D.C. MAX. (VHERE APPLICABLE.)

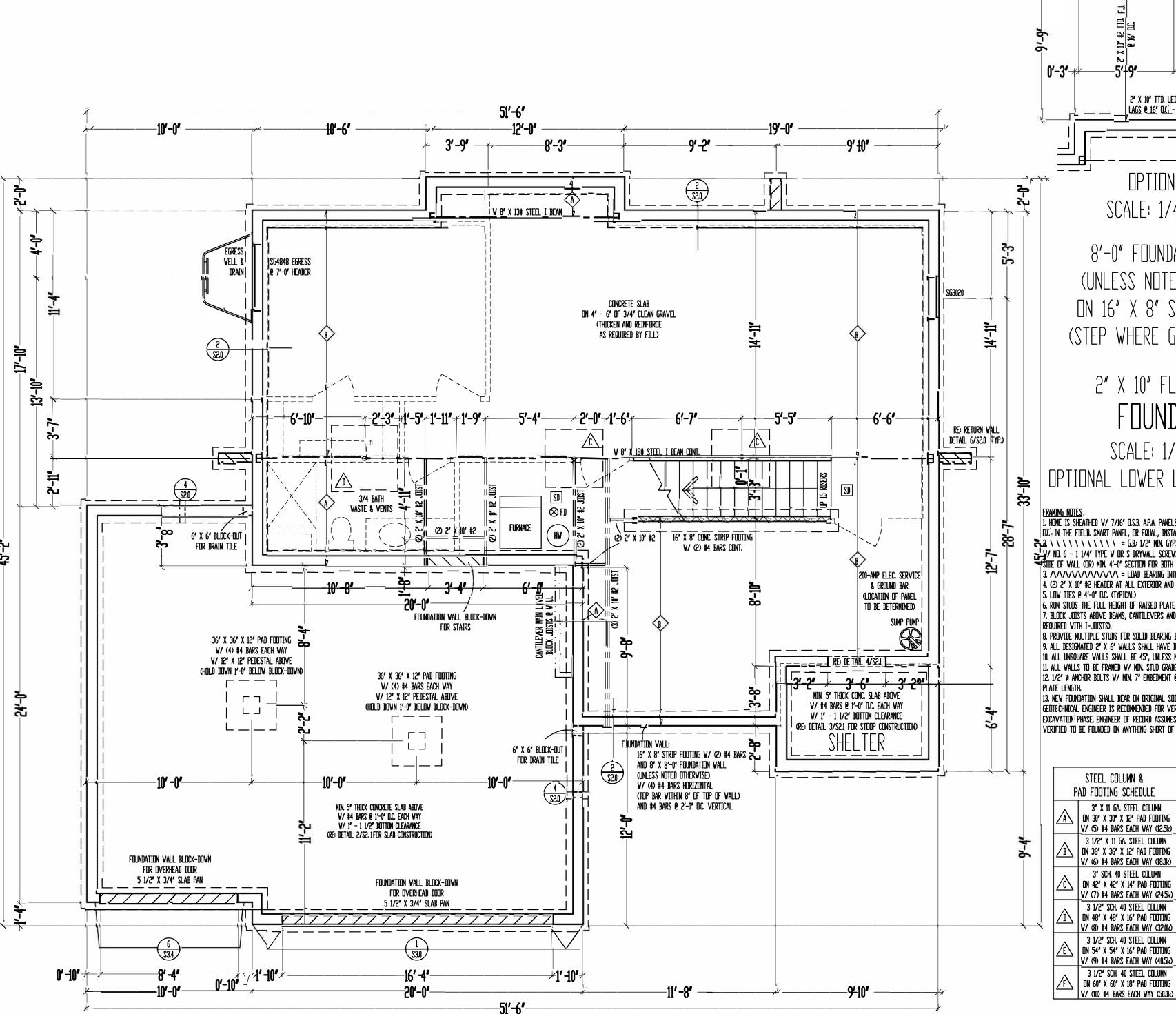
JOIST SCHEDULE					
С	2" X 6" #3 CEILING JOIST @ 16" D.C.				
D	2" X 6" #2 CEILING JUIST @ 16" CLC.				





2517 SW River Traill Rd Lot 670

SHEET TITLE: SHEET NO.: 5 of 6 SECOND LEVEL PLAN DATE: 03022017



6" X 6" TTD. POST ON SIMPSON ABU66 ON MIN. 36" DP. CONC. PIER INTO UNDISTURBED ORIGINAL SAL (TYPICAL) RE: S3.3 FOR ALL DECK FRAMING NUTES AND DETAILS -5**′-9′**-*0'-3**'** 2" X 10" TTD. LEDGER W/ 1/2" Ø GALV. LAGS @ 16" O.C. - DOUBLE EVERY OTHER ___ OPTION: DECK SCALE: 1/4'' = 1'-0''

> 8'-0" FOUNDATION WALLS (UNLESS NOTED OTHERWISE) ON 16" X 8" STRIP FOOTINGS (STEP WHERE GRADE REQUIRES)

> > 2" X 10" FLOOR SYSTEM FOUNDATION

SCALE: 1/4'' = 1'-0''

OPTIONAL LOWER LEVEL: 740 SQ. FT.

1. Home is sheathed V/ 7/16' a.s.b. a.p.a. Panels V/ 8d common nails 0 6' a.c. at edges & 0 12' DLC: IN THE FIELD. SMART PANEL, OR EQUAL, INSTALLED PER MANUFACTURER'S SPECIFICATIONS.

32 \ \ \ \ \ \ \ \ = G.B.: 1/2' MIN. GYPSUM BOARD OVER STUDS SPACED 24' MAX FASTENED Y/ NO. 6 - 1 1/4' TYPE V OR S DRYVALL SCREVS @ 7' O.C. EDGES & FIELD. (MIN. 8'-0' SECTIONS ONE SIDE OF VALL (OR) MIN. 4'-0' SECTION FOR BOTH SIDES) | 3. / / / / / / / / / | = LOAD BEARING INTERIOR WALL.

4. (2) 2' X 10" #2 HEADER AT ALL EXTERIOR AND LOAD BEARING WALLS, UNLESS NOTED OTHERWISE. 5. LOW TIES @ 4'-0' D.C. (TYPICAL)

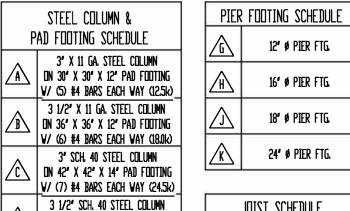
6. RUN STUDS THE FULL HEIGHT OF RAISED PLATE WALLS. 7. BLOCK JOISTS ABOVE BEAMS, CANTILEVERS AND LOAD BEARING WALLS WITH JOIST MATERIAL (NOT

8. PROVIDE MULTIPLE STUDS FOR SOLID BEARING BELOW ALL BEAMS. 9. ALL DESIGNATED 2" X 6" VALLS SHALL HAVE DOUBLE KING STUDS AT DOOR AND VINDOV OPENINGS.

10. ALL UNSQUARE WALLS SHALL BE 45°, UNLESS NOTED OTHERWISE. 11. ALL VALLS TO BE FRAMED W/ MIN. STUD GRADE 2' X 4'S @ 16' D.C., UNLESS NOTED OTHERWISE.

12. 1/2' Ø ANCHOR BOLTS V/ MIN. 7' EMBEDMENT @ 48' O.C. MAX. & VITHIN 6' - 12' OF END OF EACH

GEOTE CHNICAL ENGINEER IS RECOMMENDED FOR VERIFICATION OF THESE CONDITIONS DURING THE EXCAVATION PHASE, ENGINEER OF RECORD ASSUMES NO RESPONSIBILITY FOR CONSTRUCTION NOT VERIFIED TO BE FOUNDED ON ANYTHING SHORT OF THE AFOREMENTIONED REQUIREMENTS.



	JOIST SCHEDULE
A	2" X 10" #3 FLOOR JOIST @ 16" C.C.
(B)	2" X 10" #2 FLOOR JOIST @ 16" D.C.

MISS OF MISS DENNIS HEIER NUMBER PE-2010001772 STONAL BY 3-2-201

2517 SW River Traill Rd Lot 670

SHEET TITLE: SHEET NO.: 6 of 6 FOUNDATION PLAN | DATE: 03022017

DESCRIPTION OF BUILDING ELEMENTS		NUMBER AND TY		SPACING OF FASTENERS		
BLOCKING BETWEEN JOISTS OR RAFTE	RS TO TOP		OF ¹			
PLATE, TOE NAIL	NAII	3-8d (2½" 3-8d (2½"			-	
CEILING JOISTS TO PLATE, TOE I	ARALLEL		x u.113")		<u> </u>	
RAFTER, LAPS OVER PARTITIONS, FA		3-10d (3"			-	
GAGE RIDGE STRAP		3-10d (3" 3-16d BOX NAILS (3½" x 0		2 TOE NA	- NILS ON ONE SIDE AND 1 TOE NAIL ON	
RAFTER OR ROOF TRUSS TO PLATE, ROOF RAFTERS TO RIDGE, VALLEY,		NAILS (3"	x 0.148")		TE SIDE OF EACH RAFTER OR TRUSS	
RAFTERS: TOE NAIL FACE NAI		4-16d (3½" x 0.135"),		v	-	
BUILT-UP STUDS - FACE NAIL	_	10d (3" >	ALL ¹ (0.128")		24" O.C.	
ABUTTING STUDS AT INTERSECTING WALL CORNERS, FACE NAIL		16d (3½" x 0.135")		12" O.C.		
BUILT-UP HEADER, TWO PIECES WITH ½" SPACER		16d (3½"	x 0.135")	16" O.C. ALONG EACH EDGE		
CONTINUED HEADER, TWO PIEC	CES	16d (3½"	x 0.135")		16" O.C. ALONG EACH EDGE	
CONTINUOUS HEADER TO STUD, TO		4-8d (2½"	x 0.113")		-	
DOUBLE STUDS, FACE NAIL		10d (3" >	c 0.128")		24" O.C.	
·		10d (3")	·		24" O.C.	
DOUBLE TOP PLATES, FACE NA DOUBLE TOP PLATES, MINIMUM 24-INC		8-16d (3½	·			
OF END JOINTS, FACE NAIL IN LAPPE	ED AREA			,	- 16" O.C.	
SOLE PLATE TO JOIST OR BLOCKING, I		16d (3½"				
SOLE PLATE TO JOIST OR BLOCKING A WALL PANELS	AT BRACED	3-16d (3½	,	16" O.C.		
STUD TO SOLE PLATE, TOE NA	AIL	3-8d (2½" x 0.113") Of	R 2-16d (3½" x 0.135")		-	
TOP OR SOLE PLATE TO STUD, EN	D NAIL	2-16d (3½	" x 0.135")	-		
TOP PLATES, LAPS AT CORNERS INTERSECTIONS, FACE NAIL	AND	2-10d (3" x 0.128")		-		
1" BRACE TO EACH STUD AND PLATE, I	FACE NAIL	2-8d (2½" x 0.113")		-		
1"x6" SHEATHING TO EACH BEARING, F	FACE NAIL	2-8d (2½" x 0.113")		-		
1"x8" SHEATHING TO EACH BEARING, F	FACE NAIL	2-8d (2½" x 0.113")		-		
WIDER THAN 1"x8" SHEATHING TO EACH BEARING,		3-8d (2½"	x 0.113")		-	
FACE NAIL		EI (oor¹			
JOIST TO SILL OR GIRDER, TOE I	NΔII	3-8d (2½"	-		-	
RIM JOIST TO TOP PLATE, TOE NAIL		8d (2½" x 0.113"			6" O.C.	
APPLICATIONS ALSO)	•	, -		6" O.C.		
RIM JOIST OR BLOCKING TO SILL PLATE		8d (2½" x 0.113")				
1"x6" SUBFLOOR OR LESS TO EACH JO NAIL	DIST, FACE	2-8d (2½" x 0.113")		-		
2" SUBFLOOR TO JOIST OR GIRDER, B FACE NAIL	LIND AND	2-16d (3½" x 0.135")		-		
2" PLANKS (PLANK AND BEAM - FLOOR A	AND ROOF)	2-16d (3½" x 0.135")		AT EACH BEARING		
BUILT-UP GIRDERS AND BEAMS, 2-INCI	H LUMBER	10d (3" >	(0.128")	NAIL EACH LAYER AS FOLLOWS: 32" O.C. AT TOF AND BOTTOM AND STAGGERED. TWO NAILS AT		
LATERS		3-16d (3½	" x 0.135")	ENDS AND AT EACH SPLICE AT EACH JOIST OR RAFTER		
LEDGER STRIP SUPPORTING JOISTS OF	R RAFTERS					
DESCRIPTION OF BUILDING MATERIALS I WOOD STRUCTURAL PANELS, SUBI		FASTNER SCHEDULE FOR IPTION OF FASTENER F AND INTERIOR WALL SHEA	EDGE SPACING (INC		I INTERMEDIATE SUPPORTS (INCHES RD WALL SHEATHING TO FRAMING	
¾" - ½"	6d COM	MON (2" x 0.113") NAIL , WALL) 8d COMMON NAIL	6		12	
	,	(ROOF) MON NAIL (2½" x 0.131")	<u>.</u>			
¹⁹ / ₃₂ " - 1"	10d COMMC	DN (3" x 0.148") NAIL OR 8d	6		12	
11/8" - 11/4"	(2½" x 0.	131") DEFORMED NAIL	SHEATHING 1		12	
½" GYPSUM SHEATHING	OTHER WALL 1½" GALVANIZED ROOFING NAIL; STAPLE GALVANIZED, 1½" LONG; 1¼" SCREWS, TYPE W OR S		L SHEATHING T		7	
%" GYPSUM SHEATHING 1¾" GALVANIZED ROOFING NAIL; STAPLE GALVANIZED, 1¾" LONG; 1¾" SCREWS, TYPE W OR S		7 7		7		
wo	OD STRUCTU	RAL PANELS, COMBINATION	N SUBFLOOR UNDERLAYME	ENT TO FRAMI	NG [†]	
¾" AND LESS	6d DEFORMED (2" x 0.120") NAIL OR 8d COMMON (2½" x 0.131") NAIL		6		12	
748 48	7g" - 1" 8d COMMON (2½" × 0.131") NAIL OR 8d DEFORMED (2½" × 0.120") NAIL		6 12		12	
% " - 1"	DEFORM	MED (2 / 2" X 0.120") NAIL				

^{1.} IF INFORMATION LISTED ON PLAN SHEETS CONTRADICTS INFORMATION IN THIS TABLE, INFORMATION ON PLANS TAKES PRECEDENCE OVER INFORMATION LISTED IN THIS TABLE

FOUNDATION NOTES

- CONCRETE SHALL BE AIR-ENTRAINED BETWEEN 5%-7% WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH
 OF 2500 PSI FOR BASEMENT AND INTERIOR FLOOR SLABS-ON-GRADE, 3000 PSI FOR FOUNDATION WALLS,
 AND 3500 PSI FOR PORCHES AND GARAGE FLOOR SLABS
- 2. THE FOUNDATION DESIGN SHALL COMPLY WITH THE ENFORCING JURISDICTION'S RESIDENTIAL FOUNDATION STANDARDS
- PROVIDE A MINIMUM 4"-DIAMETER PERFORATED DRAIN PIPE ALONG PERIMETER OF USABLE SPACE AT FOOTING LEVEL OR OTHER EQUIVALENT MATERIALS PER IRC SECTION R405.1. THE PIPE SHALL BE COVERED WITH A MINIMUM OF 6" OF GRAVEL OR CRUSHED ROCK. THE DRAIN SHALL DAYLIGHT BELOW FOOTING LEVEL OR TERMINATE IN A MINIMUM 20 GALLON SUMP PIT.
- 4. FOUNDATION SHALL BE DESIGNED FOR A BEARING CAPACITY OF 1500 PSF AND FOUNDED ON COMPETENT ORIGINAL SOIL AS DETERMINED AND CONFIRMED BY A LICENSED GEOTECHNICAL ENGINEER OR ENGINEERING GEOLOGIST. ENGINEER OF RECORD ASSUMES NO RESPONSIBILITY FOR CONSTRUCTION NOT WEDLIEF TO BE FOUNDED ON ANY SOIL WITH THE AFOREMENTIONED MINIMUM REPORTED.
- ENGINEERING GEOLOGIST. ENGINEER OF RECORD ASSUMES NO RESPONSIBILITY FOR CONSTRUCTION NO VERIFIED TO BE FOUNDED ON ANY SOIL WITH THE AFOREMENTIONED MINIMUM PROPERTIES.

 5. FOOTINGS SHALL BE A MINIMUM OF 16" WIDE x 8" DEEP AND SHALL HAVE A MINIMUM OF (2) CONTINUOUS GRADE 40 #4 BARS WITH 3" BOTTOM CLERANCE. BOTTOM OF FOOTING SHALL BE LOCATED A MINIMUM OF
- 3'-0" BELOW GRADE FOR FROST PROTECTION.

 CONCRETE PADS SUP0PORTING COLUMN LOADS SHALL BE NO SMALLER THAN 2'-0" x 2'-0" x 1'-0" DEEP WITH
- A MINIMUM OF (4) GRADE 40 #4 BARS EACH WAY WITH 3" BOTTOM CLEARANCE FOUNDATION WALLS SHALL BE A MINIMUM OF 8" NOMINAL WIDTH AND SHALL HAVE HOIZONTAL GRADE 40 #4 BARS AT 2'-0" O.C. MAX. WITH VERTICAL #4 BARS AS REQUIRED ON FOUNDATION CROSS SECTION ON SHEET
- REINFORCEMENT SHALL LAP A MINIMUM OF 2'-0" (CLASS B SPLICE)
- INTERIOR BEARING WALLS AND COLUMNS SHALL BE ISOLATED FROM THE BASEMENT FLOOR SLAB
-). BASEMENT FLOOR SLAB SHALL BE A MINIMUM OF 4" THICK ON A MINIMUM BASE COURSE OF 4" TO 6" OF SAND, GRAVEL OR CRUSHED ROCK. BETWEEN THE BASE COURSE AND FLOOR SLAB SHALL BE PLACED A 6-MIL POLY VAPOR RETARDER WITH MINIMUM OVERLAP OF 6" AT DISCONTINUITIES
- 11. IF A FLOOR IS TO BE SUPPORTED BY A MINIMUM OF 2'-0" OF GRANULAR FILL OR 8" OF EARTH, BASEMENT SLAB SHALL BE DESIGNED BY A LICENSED ENGINEER
- 12. SILL PLATES SHALL BE ANCHORED TO THE FOUNDATION WALL WITH ½" Ø ANCHOR BOLTS EMBEDDED A MINIMUM OF 7" INTO CENTER OF WALL STEM AND SHALL BE INSTALLED AT A MAXIMUM OF 6'-0" O.C. (OR AS NOTED ON PLANS) AND SHALL BE INSTALLED WITHIN 6" TO 12" OF EACH END OF EACH SILL PLATE LENGTH, PER IRC SECTION R403.1.6
- 13. FOUNDATION WINDOW WELLS SHALL BE PROVIDED WITH MINIMUM DIMENSIONS AS SHOWN IN DETAIL ON SHEFT \$2.0
- 14. THE GARAGE FLOOR SHALL SLOPE TOWARD THE VEHICLE DOORS OR TO A TRENCH OR UNTRAPPED DRAIN THAT DISCHARGES TO THE EXTERIOR, ABOVE GRADE

FRAMING NOTES

- 15. ALL DIMENSIONAL LUMBER SHALL BE DOUGLAS-FIR-LARCH, UNLESS NOTED OTHERWISE ON PLANS
- ALL INTERIOR LOAD-BEARING AND EXTERIOR WALL HEADERS SHALL BE (2) #2 2x10's, UNLESS NOTED OTHERWISE ON PLANS
- 17. BLOCK OVER BEAMS AND AT CANTILEVERS AND DOOR JAMBS
- 18. INTERIOR NON-BEARING WALLS RESTING ON BASEMENT SLAB SHALL BE ISOLATED FROM ABOVE FRAMING
- 19. ALL HEADERS/BEAMS SHALL BEAR ON A MINIMUM OF (2) 2x4 POSTS (KING AND JACK STUDS), UNLESS NOTED
- 20. WHERE JOISTS SPAN PARALLEL TO FOUNDATION, BLOCKING SHALL BE PROVIDED IN THE TWO SPACES MOST ADJACENT TO THE FOUNDATION WALL AT 4'-0" O.C. FOR THE PURPOSE OF TRANSFERRING LATERAL FOUNDATION WALL LOAD TO THE FLOOR DIAPHRAGM. FASTEN JOISTS AND BLOCKING TO SILL PLATE WITH (4) 10d NAILS. IF MECHANICAL DUCTWORK IS INSTALLED IN ONE OF THESE FIRST TWO BAYS, FASTEN 2x4's FLAT AT 4'-0" O.C. BETWEEN JOIST(S) AND/OR SILL AND PROVIDE BLOCKING AS PRESCRIBED ABOVE IN THE NEXT TWO JOIST BAYS. SECURE 2x4's TO JOIST(S)/SILL PLATE WITH (4) 10d NAILS.
- 21. ALL WOOD MATERIAL SUPPORTED ON CONCRETE OR MASONRY SHALL BE TREATED OR OF
- DECAY-RESISTANT MATERIAL

 22. JOISTS UNDER BEARING PARTITIONS ON PLANS HAVE BEEN SIZED TO SUPPORT THE DESIGN LOAD.
- 23. JOISTS FRAMING INTO THE FACE OF A STEEL OR WOOD BEAM SHALL BE SUPPORTED WITH APPROPRIATE COLD-FORMED STEEL JOIST HANGERS
- 24. JOISTS FRAMED ON TOP OF STRUCTURAL MEMBER SHALL BE SUPPORTED AT EN DS BY FULL-DEPTH SOLID BLOCKING MIN. 1½" IN THICKNESS OR BY FASTENING RIM TO JOISTS PER FASTENING TABLE TO LEFT
- 25. ALL WALL COVERINGS SHALL COMPLY WITH IRC SECTION R702.3
- 26. ALL RAFTERS AND COLLAR TIES SHALL COMPLY WITH IRC SECTION R802.3.
- 27. ALL RAFTERS SHALL HAVE 2x4 COLLAR TIES @ 4'-0" O.C. IN UPPER ⅓ OF VERTICAL DISTANCE BETWEEN CEILING AND ROOF
- 28. BLOCKING BETWEEN JOISTS UNDER A LOAD-BEARING WALL IS NOT REQUIRED
- PER IRC SECTION 501.3, BOTTOM OF ALL FLOOR ASSEMBLIES ABOVE UNFINISHED AREAS SHALL BE PROVIDED WITH A ½" GYPSUM BOARD MEMBRANE OR RESIDENTIAL FIRE SPRINKLER SYSTEM WHEN FLOOR SYSTEM IS CONSTRUCTED OF OTHER THAN DIMENSION LUMBER OR STRUCTURAL COMPOSITE LUMBER
- EQUAL TO OR GREATER THAN 2x10 NOMINAL DIMENSION(WHERE REQUIRED BY ENFORCING JURISDICTION)

 30. ENGINEERED LVL's SHALL HAVE MINIMUM PROPERTIES OF Fb = 2600 psi, E=1900 ksi, AND Fv=285 psi
- 81. ENGINEERED PARALLAMS SHALL HAVE MINIMUM PROPERTIES OF Fb = 2600 psi, E = 2000 ksi, AND Fv = 290 psi
 82. COLUMN CONNECTION TO STEEL BEAMS SHALL BE WITH A CLIP POST CAP WITH ALL FOUR TAB EARS BENT
 AROUND THE BOTTOM FLANGE OF THE BEAM. FOR A BEARING PLATE, FOUR HOLES SHALL BE DRILLED IN
 THE BOTTOM FLANGE OF THE STEEL BEAM TO MATCH THE HOLE PATTERN OF THE PLATE. ½" x 2" BOLTS
 SHALL THEN BE INSTALLED WITH A FLAT WASHER, LOCK WASHER, AND A NUT IN EACH OF THE HOLES. THE
 POST CAP MAY BE WELDED TO THE STEEL BEAM IN ACCORDANCE WITH AWS D1.1-92 AS AN ALTERNATIVE,
 AND WOULD NEED TO BE INSPECTED BY AN AWS-CERTIFIED INSPECTOR.
- 33. WHEN MECHANICAL EQUIPMENT IS LOCATED IN AN ENCLOSED ROOM, THERE SHALL BE (2) 14"x12" VENTS LOCATED IN A WALL COMMON WITH ADDITIONAL LIVING AREA. ONE VENT SHALL BE LOCATED SUCH THAT THE BOTTOM OF THE VENT BEGINS 12" FROM THE FLOOR AND THE OTHER VENT SHALL BE LOCATED SUCH THAT THE TOP OF THE VENT BEGINS 12" FROM THE CEILING.

GLAZING NOTES

- GLAZING IN HAZARDOUS LOCATIONS AS IDENTIFIED IN IRC SECTION R308.4 SHALL BE OF APPROVED SAFETY GLAZING MATERIALS. GLASS IN STORM DOORS, INDIVIDUAL FIXED OR OPENABLE PANELS ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 2'-0" ARC OF THE DOOR IN A CLOSED POSITION AND FOR WHICH THE BOTTOM EDGE IS WITHIN 5'-0" OF THE FLOOR, WALLS ENCLOSING STAIRWAYS AND LANDINGS WHERE THE GLAZING IS WITHIN 5'-0" OF THE TOP OR BOTTOM OF THE STAIR, ENCLOSURES FOR SPAS, TUBS, SHOWERS, AND WHIRLPOOLS, GLAZING IN FIXED OR OPENABLE PANELS EXCEEDING NINE SQUARE FEET AND FOR WHICH THE BOTTOM EDGE IS LESS THAN 1'-6" ABOVE THE FLOOR OR WALKING SURFACE WITHIN 3'-0"
- 35. ALL OPERABLE WINDOWS SHALL HAVE FALL PROTECTION PER IRC SECTION R612.2

ATTIC VENTILATION

36. ENCLOSED ATTICS SHALL HAVE CROSS VENTILATION FOR EACH SEPARATE SPACE BY VENTILATING OPENINGS PROTECTED AGAINST THE ENTRANCE OF RAIN OR SNOW. VENTILATING OPENINGS SHALL BE PROVIDED WITH CORROSION-RESISTANT WIRE MESH, WITH 1/8" TO 1/4" OPENINGS. THE TOTAL FREE VENTILATING AREA SHALL NOT BE LESS THAN 1/50 OF THE AREA OF SPACE VENTILATED, EXCEPT WHERE THE VENTILATORS ARE LOCATED IN THE UPPER PORTION OF THE SPACE TO BE VENTILATED - THE REQUIRED AREA MAY BE REDUCED TO 1/300.

EMERGENCY EGRESS

- 37. PROVIDE A MINIMUM OF ONE WINDOW FOR EACH BEDROOM THAT HAS A MINIMUM OPENABLE AREA OF 5.7 SQUARE FEET WITH A MINIMUM OPENABLE HEIGHT OF 2'-0" AND A MINIMUM WIDTH OF 1'-9". IN ADDITION, THE OPENABLE PORTION OF EGRESS WINDOWS SHALL NOT EXCEED 3'-8" ABOVE THE ADJOINING FLOOR OR
- 3. PROVIDE SMOKE ALARMS IN EACH SLEEPING ROOM, OUTSIDE OF EACH SLEEPING AREA AND ON EACH FLOOR, INCLUDING BASEMENT (IF APPLICABLE). ALARMS SHALL BE HARDWIRED TOGETHER SO THAT THE ACTIVATION OF ONE SMOKE ALARM WILL ACTIVATE ALL SMOKE ALARMS IN THE DWELLING. PROVIDE CARBON MONOXIDE DETECTORS OUTSIDE EACH SLEEPING AREA.

MASONRY VENEER

- 39. MASONRY VENEER SHALL BE ANCHORED TO THE SUPPORTING WALL STUDS WITH CORROSION-RESISTANT METAL TIES EMBEDDED IN MORTAR OR GROUT AND EXTENDING INTO THE VENEER A MINIMUM OF 1 ½", WITH NOT LESS THAN ¾" MORTAR OR GROUT COVER TO OUTSIDE FACE.
- 40. VENEER TIES, IF STRAND WIRE, SHALL NOT BE LESS IN THICKNESS THAN NO. 9 U.S. GAGE WIRE AND SHALL HAVE A HOOK EMBEDDED IN THE MORTAR JOINT, OR IF SHEET METAL, SHALL BE NOT LESS THAN NO. 22 U.S. GAGE BY %" CORRUGATED.
- 41. EACH TIE SHALL SUPPORT NOT MORE THAN 2.67 SQUARE FEET OF WALL AREA AND SHALL BE SPACED NOT MORE THAN 32 INCHES ON CENTER HORIZONTALLY AND 24 INCHES ON CENTER VERTICALLY.
- 42. VENEER TIES AROUND WALL OPENINGS: ADDITIONAL METAL TIES SHALL BE PROVIDED AROUND ALL WALL OPENINGS GREATER THAN 16 INCHES IN EITHER DIMENSION. METAL TIES AROUND THE PERIMETER OF OPENINGS SHALL BE SPACED NOT MORE THAN 3 FEET ON CENTER AND PLACED WITHIN 12 INCHES OF THE WALL OPENING.

GARAGE NOTES

- 43. DOOR(S) BETWEEN THE GARAGE AND DWELLING SHALL BE MINIMUM 1 %" SOLID CORE OR HONEY-COMBED STEEL DOOR WITH 20-MINUTE FIRE RATING EQUIPPED WITH A SELF-CLOSING DEVICE
- 44. VEHICLE DOORS AND FRAMES SHALL BE DESIGNED AND INSTALLED TO MEET THE 90-MPH 3-SECOND GUST LOADING PER DASMA 108 AND ASTM E 330-96 PER IRC SECTION R301.2.1

GARAGE NOTES (CONTINUED)

- THE GARAGE SHALL BE SEPARATED FROM THE DWELLING AND ITS ATTIC AREAS BY MINIMUM %" GYP. BOARD APPLIED TO THE GARAGE SIDE OF FRAMING. WHERE HABITABLE SPACE OCCURS ABOVE THE GARAGE, THE GARAGE CEILING ASSEMBLY SHALL BE PROTECTED WITH A MINIMUM %" TYPE X GYP. BOARD. WHERE A FLOOR/CEILING SPACE IS PROVIDED ABOVE THE GARAGE COLUMNS AND BEAMS SUPPORTING THE SEPARATION SHALL ALSO BE PROTECTED WITH %" GYP. BOARD.
- 45. GARAGE DOOR H-FRAME FOR THE ATTACHMENT OF THE TRACK AND COUNTER BALANCE SHALL CONSIST OF THE FOLLOWING: 2x6 VERTICAL JAMBS RUNNING FROM FLOOR TO CEILING AND SHALL BE FASTENED WITH 2½"" x 0.120" NAILS AT 7" O.C. STAGGERED WITH (7) 3½" x 0.120" NAILS THROUGH THE JAMB INTO THE HEADER. MINIMUM 2x8 HEADER FOR ATTACHMENT OF COUNTER BALANCE SYSTEM.

DESIGN LOADING (PER TABLE R301.5)

MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS (PSF) USE I LIVE LOAD DEAD LOAD						
UNINHABITABLE ATTICS WITHOUT STORAGE	10	10				
UNINHABITABLE ATTICS WITH LIMITED STORAGE	20	10				
HABITABLE ATTICS AND ATTICS SERVED WITH FIXED STAIRS	30	10				
BALCONIES (EXTERIOR) AND DECKS	40	10 ^d				
FIRE ESCAPES	40	10				
GUARDRAILS AND HANDRAILS ^a	200 ^c	-				
GUARDRAIL IN-FILL COMPONENTS b	50 ^c	-				
PASSENGER VEHICLE GARAGES	50	DEPENDENT UPON SLAB CONSTRUCTION				
ROOMS OTHER THAN SLEEPING ROOM	40	10 ^d				
SLEEPING ROOM	30	10 ^d				
STAIRS	40	10 ^d				

a. A single concentrated load applied in any direction at any point along the top.
b. Guard in-fill components (all those except the handrail), ballusters and panel fillers shall be designed to withstand a horizontally applied normal load of 50 pounds on an area equal to one square foot. This load

need not be assumed to act concurrently with any other live load requirement.

- c. Glazing used in handrail assemblies and guards shall be designed with a safety factor of 4. The safety factor shall be applied to each of the concentrated loads applied to the top of the rail, and to the load on the infill components. These loads shall be determined independently of one another, and loads are assumed not to occur with any other live load.
- d. An additional dead loading of 10 psf shall be applied where thinset tile floor is to be installed. An additional dead loading of 50 psf shall be applied where mudset tile floor is to be installed.

INSULATION/EFFICIENCY

- 1. BUILDING ENVELOPE INSULATION SHALL COMPLY WITH IRC TABLE N1102.1.1 OR THE 2012 IECC (SEE SHEET S3.1 FOR FRAMING DETAILS AND TABLES ON THIS SHEET FOR MORE INFORMATION)
- 2. CATHEDRAL -VAULTED CEILING FRAMING SHALL BE FRAMED WITH A MINIMUM INSULATION VALUE OF R-38. IF VAULTED RAFTERS DO NOT PROVIDE REQUIRED DEPTH TO ACHIEVE R-38 INSULATION BUILDER SHALL FUR DOWN RAFTERS PER DETAILS PROVIDED ON SHEET S3.1

CLIMATE ZONE	4-A
FENESTRATION U-FACTOR	0.35
SKYLIGHT U-FACTOR	0.55
GLAZED FENSTRATION SHGC	0.40
CEILING R-VALUE	49
WOOD FRAME WALL R-VALUE	13
MASS WALL R-VALUE	8 / 13
FLOOR R-VALUE	19
BASEMENT WALL R-VALUE	10-CONTINUOUS OR 13-CAVITY
SLAB R-VALUE AND DEPTH	10 AT 2'-0"
CRAWL SPACE WALL R-VALUE	10-CONTINUOUS OR 13-CAVITY
DUCTWORK EXPOSED TO OUTSIDE AIR R-VALUE	8
DUCTWORK NOT EXPOSED TO OUTSIDE AIR R-VALUE	6
CATHEDRAL VAULTED CEILING R-VALUE	38

DUCT SEALING

N1103.2.2 (R403.2.2) SEALING (MANDATORY). DUCTS, AIR HANDLERS, AND FILTER BOXES SHALL BE SEALED. JOINTS AND SEAMS SHALL COMPLY WITH SECTION M1601.4.1 OF 2012 IRC. EXCEPTIONS:

- . AIR-IMPERMEABLE SPRAY FOAM PRODUCTS SHALL BE PERMITTED TO BE APPLIED WITHOUT ADDITIONAL JOINT SEALS.
- 2. WHERE A DUCT CONNECTION IS MADE THAT IS PARTIALLY INACCESSIBLE, THREE SCREWS OR RIVETS SHALL BE EQUALLY SPACED ON THE EXPOSED PORTION OF THE
- JOINT SO AS TO PREVENT A HINGE EFFECT.

 CONTINUOUSLY WELDED AND LOCKING-TYPE LONGITUDINAL JOINTS AND SEAMS IN DUCTS OPERATING AT STATIC PRESSURES LESS THAN 2 INCHES OF WATER COLUMN
- PRESSURE CLASSIFICATION SHALL NOT REQUIRE ADDITIONAL CLOSURE SYSTEMS.

 DUCT TIGHTNESS SHALL BE VERIFIED BY EITHER OF THE FOLLOWING:
- POST-CONSTRUCTION TEST: TOTAL LEAKAGE SHALL BE LESS THAN OR EQUAL TO 4 CFM
 PER 100 SQUARE FEET OF CONDITIONED FLOOR AREA WHEN TESTED AT A PRESSURE
 DIFFERENTIAL OF 0.1 INCHES W.G. ACROSS THE ENTIRE SYSTEM, INCLUDING THE
 MANUFACTURER'S AIR HANDLER ENCLOSURE. ALL REGISTER BOOTS SHALL BE TAPED
 OR OTHERWISE SEALED DURING THE TEST.
- 2. ROUGH-IN TEST: TOTAL LEAKAGE SHALL BE LESS THAN OR EQUAL TO 4 CFM PER 100 SQUARE FEET OF CONDITIONED FLOOR AREA WHEN TESTED AT A PRESSURE DIFFERENTIAL OF 0.1 INCHES W.G. ACROSS THE SYSTEM, INCLUDING THE MANUFACTURER'S AIR HANDLER ENCLOSURE. ALL REGISTERS SHALL BE TAPED OR OTHERWISE SEALED DURING THE TEST. IF THE AIR HANDLER IS NOT INSTALLED AT THE TIME OF THE TEST, TOTAL LEAKAGE SHALL BE LESS THAN OR EQUAL TO 3 CFM PER 100 SQUARE FEET OF CONDITIONED FLOOR AREA.

EXCEPTION: THE TOTAL LEAKAGE TEST IS NOT REQUIRED FOR DUCTS AND AIR HANDLERS LOCATED ENTIRELY WITHIN THE BUILDING THERMAL ENVELOPE.

ME	CHANICAL VENTILATIO	N SYSTEM FAN EFFICAC		
FAN LOCATION	AIR FLOW RATE MINIMUM (CFM)	(CFM/WATT)	AIR FLOW RATE MAXIMUM (CFM)	
RANGE HOODS	ANY	2.8	ANY	
IN-LINE FAN	ANY	2.8	ANY	
BATHROOM, UTILITY ROOM	10	1.4	90	
BATHROOM, UTILITY	90	2.8	ANY	



GLIENT: REGENCY HOMES, LI JOB TITLE: SPEC LOCATION: MISSOURI



REVISION

DRAWING TITLE						
STRUCTURAI NOTES						
ENGINEER: DN	ИН СНЕСКЕД ВУДМН					
JOB NO. 14						
DATE: 08-02	2-16					

RESIDENTIAL SEISMIC & WIND ANALYSIS

				INPUT
DETERMINE WEIGHT OF HOUSE:				CALCULATED VALUE
LOCATION		DEAD LOAD (psf)	AREA (ft²)	WEIGHT (lbs.)
RÔÔF		10	3039	30390
CEILING	3	10	3039	30390
SECOND FLOOR		10	1221	12210
FIRST FLOOR		10	3039	30390
	WALL LENGTH (fit)	WALL HEIGHT (ft)	WALL UNIT WT. (psf)	WEIGHT (ibs)
SECOND FLOOR EXIT, WALL DL	169.34	9	9	13716.54
FIRST FLOOR EXT. WALL OL	193.34	10	10	19334
		DEAD LOAD (par)	AREA (fi2)	WEIGHT (libs)
SECOND FLOOR INT. PARTITION WALL DL		6	1221	7326
FIRST FLOOR INT. FARTITION WALL DL		6	3039	18234

FREN PERIOR				SIDE-TO-SIDE			
	AREA	LOAD		9	AREA	LO.AD	- T
SLOPED ROOF	274	2305		SLOPED ROOF	204	1736	
VERT. ROOF	26	320	CUMULATIVE	VERT. ROOF	8	99	CUMULATIVE
2ND	415	5202	7826	2ND	431.7	5390	7225
18T	566.5	6963	14789	18T	496.87	6177	13402
			PRESSURE (PSF) - PER ASCE CH. 6			
	SLOPED ROOF	ZONE B		9.7	ZONEC	11.3	2a (FIG. 28.6-1), ASCE7
	WALL/VERT, ROOF	ZONE A		14.2	ZONED	7.7	9.034
	MEAN ROOF HT., A		24				0.00

a) if there is a walkout wall to be sheathed, determine tributary wind area and enter here. If no walkout, enter 0 for area.

Q_{rtg}=0.00255K_zK_zK_zV² (ASCE7-10 Velocity Pressure) a_{c10_Asp}=3.6q_{c10} (Design Velocity Pressure for ASD analysis under ASCE7-10 and IRC/IBC 2012)

2ND FLOOR TRIBUTARY WEIGHT 67638.27 1ST FLOOR TRIBUTARY WEIGHT 103699.54 S_8 (SITE GROUND MOTION - %g - FROM ASCE7 SEISMIC MAP) 12.0% F_a (from ASCE7 Table 11.4-1) 1.6 Sos (= 2/3 " Ss " Fe) 0.128 R (from ASCE7 Table 12.2-1) 6.5

	SEISMIC SHEAR	110
LOCATION	From ASCE7 (Eq.	. 12.8-1): V (= 1.2 * 8 _{D8} * W / R) (lbs.)
2ND FLOOR		1598
1ST FLOOR		2450

Sheathing Location	Min. Sheathing Schedule	Fasiering Schedule	Allowable Shear (#/LF)	Code Reference
Exterior (Ostion #1)	7/16" APA Retail Plywood/OSB	1-1/2" 16ga. Staples w/ 1" penetration@ 6" OC Edges, 6" OC Field For 24" stud specing, 12" OC Field For 16" abud specing	155	per IBC, Table 2306.3(1)
Exterior (Cation #2)	7/16° APA Rated Plywood/OSB	1-1/2" 16ga. Staples w/ 1" paratration@ 4" OC Edges, 6" OC Field For 24" stud specing, 12" OC Field For 16" stud specing	230	per IBC, Table 2306.3(1)
Extenor (Option #3)	7/18" APA Rated Ptywood/0/38	1-1/2" 15ga. Staples w/ 1" penatration@ 3" OC Edges, 8" OC Field For 24" stud spacing, 12" OC Field For 16" atud spacing	910	per IBC, Table 2308.3(1)
Exterior (Option #4)	7/18" APA Rated Plywood/OSB or shiplep panel sheathing, or 3/8" shiplep panel sheathing with tighter nell spealing	8d Common Nalls w/ 1-3/8" panetration @ 6" O.C. Edges, 12" O.C. Field for 7/16" APA-rated plywood/OSB or shiplap panel sheathing OR @ 4" O.C. Edges, 12" O.C. Field for 3/6" shiplap panel sheathing	220	AF&PA SDPWS Table 4.3A
Exterior <u>(Ontion #5)</u>	7/16" APA Rated Plywood/DSB or shiptep panel sheathing, or 3/8" shiptep panel sheathing with tighter hall spacing	8d Common Nalls w/ 1-3/8" panetration @ 4" O.C. Edges, 12" O.C. Fleid for 7/16" APA-rated plywood/OSB or shiptep panel shealthing OR @ 3" O.C. Edges, 12" O.C. Fleid for 3/8" shiptep panel sheathing	320	AF&PA SDPWS
Exterior <u>(Option #6)</u>	7/16" APA Rated Plywood/OSB or shiplep panel sheathing, or 3/5" shiplep panel sheathing with itighter nell specing and doubte stude at each panel edge.	8d Common Nails w/ 1-3/8" panetration @ 3" O.C. Edges, 12" O.C. Field	410	AF&PA SDPW6
Interior	1/2" Gypaum Board	No. 8- 1 ¹ / ₄ " Type W or S Screws @ 8" O.C. Edges, 12" O.C. Fletd	60	par IBC, Table 2308.4.4
Interior	16 Ga. SimpacraUSP Type WB Staal X-Brace (or equal)	(3) 18d @ end studs & (1) 8d @ Intermediate studs (per manufacturer specifications - see detail on sheet 83)	325	

EXTERIOR SHEATHING OPTION FOR SECOND FLOOR	4
EXTERIOR SHEATHING OPTION FOR FIRST FLOOR	4

WIDTH OF 1ST STORY (FT.)	51.5	WIDTH OF 2ND STORY (FT.)	41.5
DEPTH OF 18T STORY (FT.)	45.17	DEPTH OF 2ND STORY (FT.)	43.17
BACK WALL OF GARAGE (FT.)	20		
GAR, WALL: 1=F-B, 2=8-S	2		

	EXTERIOR STRUCTURAL WALL LENGTHS (ft.) & RESISTANCES										
	SEISMIC						-11				
	FRONT-TO-BACK	RESISTANCE (Ibs.)	SIDE-TO-SIDE	RESISTANCE (Ibs.)	FRONT-TO-BACK	RESISTANCE (lbs.)	SIDE-TO-SIDE	RESISTANCE (Ibs.)			
2ND FLOOR	50	14000	44	12320	50	19600	44	17248			
1ST FLOOR	71	19880	35	9800	71	27832	35	13720			

	MI						
	ADDITIONAL RESISTANCE REQUIRED			Anchor Bolt Spacing	16d Nail Spacing req'd at bottom plate (in.)		
	SEISMIC	ANIMD		diameter (in.)	0.5	2nd Floor F-B	
2ND FLOOR FRONT-TO-BACK	0	0		Shear value (per NDS)	944	2nd Floor S-S	
2ND FLOOR SIDE-TC-SIDE	0	0		Spacing F-B (inches)	110.7	1st Floor F-B	
15T FLOOR FRONT-TO-BACK	0	0		spacing S-S (inches)	139.3	1st Floor S-S	
1ST FLOOR SIDE-TO-SIDE	0	0	'				

	RESISTANCE REQU	RED IN ADDITION TO RES	STANCE PROVIDED BY EXTERIOR W	ALLS"		
RESISTANCE	PERF. SHEAR WALL	INTERIOR X-BRACES (325#/BRACE)	INTERIOR WALL LENGTH W/ 1/2" GYPSUM BOARD PER TABLE (FT.)	INT. WALL LENGTH SMEATHED W/ OSB (TOTAL LENGTH, ONE SIDE, FT.)	RESISTANCE PROVIDED BY ADDITIONAL METHODS (POUNCS)	OK?
0					0	YES
0					0	YES
0					0	YES
Ö					Ö	YEŞ
	RESISTANCE	ADDITIONAL PORTAL FRAMES OR RESISTANCE PERF. SMEAR WALL	ADDITIONAL PORTAL FRAMES OR RESISTANCE PERF. SMEAR WALL (1956/1960)	ADDITIONAL PORTAL FRAMES OR INTERIOR X-BRACES INTERIOR WALL LENGTH W/ 1/2" PERF. SHEAR WALL (2004) PORTAL FRAMES OR PERF. SHEAR WALL (2004) PORTAL FRAMES	ADDITIONAL PORTAL FRAMES OR INTERIOR X-BRACES INTERIOR WALL LENGTH W/ 1/2" SMEATHED W/ OSB RESISTANCE PER SMEAR WALL (325#/GRACE) GYPSUM BOARD PER TABLE (FT.) (TOTAL LENGTH, ONE	ADDITIONAL PORTAL FRAMES OR RESISTANCE PERF. SHEAR WALL (\$25#/GRACE) INTERIOR WALL LENGTH W/ 1/2" SHEATHED W/ OSB ADDITIONAL METHODS REGISTANCE RESISTANCE (\$25#/GRACE) GYPSUM BOARD PER TABLE (FT.) (TOTAL LENGTH, ONE (POLINDS)

"NOTES: 1) SEE ATT ACHED CALCULATIONS FOR PORTAL FRAME OR PERFORATED SHEAR WALL RESISTANCE CAPACITIES (IF APPLICABLE).

2) SEE SHEET S1 FOR INTERIOR STEEL X-BRACE INSTALLATION, 3) INTERIOR WALLS SHEATHED WITH OSB SHALL BE ATTACHED WITH SAME STAPLE/NAILING

PATTERN AS EXTERIOR OSS ON SAME FLOOR (SEE TABLE ABOVE) AND ARE ONLY APPLICABLE FOR FULL-HEIGHT SECTIONS OF 2'-8" OR LONGER ALL LATERAL BRACING ACHIEVED AT EXTERIOR WALLS AND WALLS DIRECTLY ON FOUNDATIONS; THEREFORE, NO INTERIOR BRACING PER 2612 IRC SECTION (R503.2.1 IS REQUIRE

				WIND UPUIF	ANALYSIS		· · ·			
	X/12	DEGREES								
ROOF PITCH (MAX)	8	33.7	PITCH OF 6 OR LESS: I	EOH -13.3, E -7.2, G -5.2						
	ASCE 7									
	LENGTH (FT.)	PRESSURE (PSF)	LINEAL FT. OF OH	UPLIFT PER FT* (LB8)						
OVERHANG	1	-1.08	195.34	-1.08		N				
	TOTAL AREA (FT ²)	ZONE E AREA (FT ²)	ZONE G AREA (FT2)	PRESSURE ZN. E (PSF)	PRESSURE ZN. G (PSF)	TOTAL FORCE (LBS)	FORCE PER LINEAL FT @ PERIMETER (LBS)			
MAIN ROOF"	2326.255	1203.364936	1122.890064	-1.08	-0.36	-1704	-8.8			
*ALONG PERIMETER.		TOTAL UPLET PER LENEAL I	FOOT ALONG EXTERIOR (PO	UNDS)	-9.9	UPLIFT OK				
"INSIDE EXTERIOR V	WALLS	RESISTANCE DUE TO BEAD	WEIGHT & (3) 10d TOWNAILS		251.6					
		_								

NOTE FOR CONSTRUCTION:
THE CONTINUOUS STRUCTURAL PANEL SHEATHING BRACING METHOD REQUIRES USE OF THE ABOVE TABLE FOR SHEATHING OF THE ENTIRE STRUCTURE. IN ADDITION, FRAMING MEMBERS SHALL BE @ 16" O.C. MAX., UNBLOCKED, AND W/ SHEATHING APPLIED DIRECTLY TO FRAMING MEMBERS

NOTE FOR DESIGN:
ALL WALLS USED IN THE CALCULATION OF THE RESISTANCE FOR THIS STRUCTURE SHALL HAVE A MINIMUM UNINTERRUPTED HEIGHT OF 8"-0" AND LENGTH OF 2"-8". ALLOWABLE RESISTANCES HAVE BEEN #FT AND INCREASED BY 40% FOR WIND LOADS, PER VALUES IN 2012 IBC SECTION 2305 AND AF&PA SDPWS TABLE 4.3A. FOR EXAMPLE, 7/16" APA-RATED SHEATHING WITH 80 @ 6" & 12" HAS A SEISMIC SHEAR VALUE OF 24 A WIND SHEAR VALUE OF 385#FT - 40% GREATER THAN THAT OF SEISMIC)

Note: soil site class assumed to be class d. If site conditions are determined to be class e or f, consult engineer defore proceeding with construction

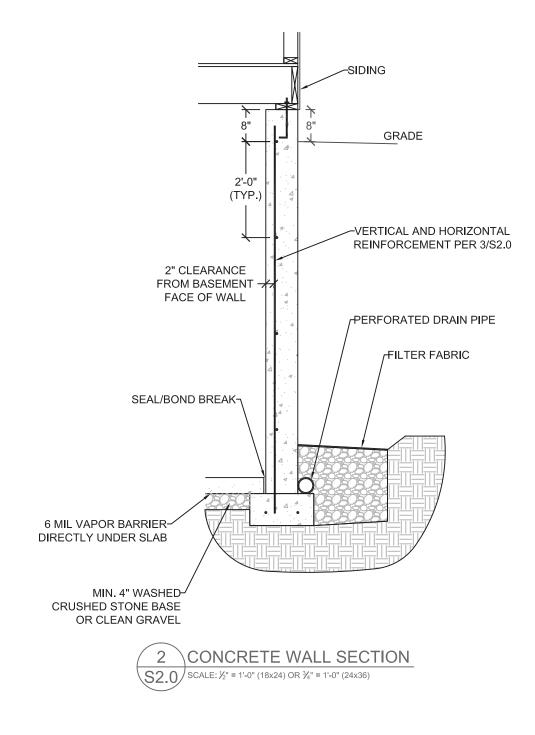


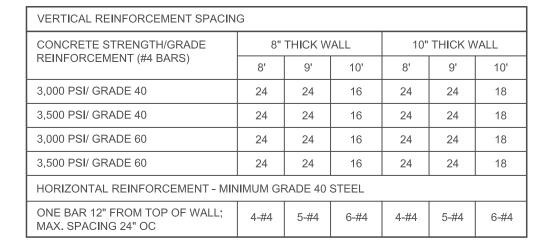
CLIENT: REGENCY HOMES, LLC JOB TITLE: SPEC



LOCATION: MISSOURI

NO.	DATE	RE	VISION		BY
					_
					4
					+
	VING TITLE				
	VINGTITLE TRU		TU	IR	AL
S	TRI	JC			
S		JC			
S	TRI	JC UL		'IC	N
S CA	TRU	JC UL	AT	IC D BY)N
S CA ENGI JOB I	TRU ALC NEER: DA	JC UL 1H 86	AT	IC D BY)N



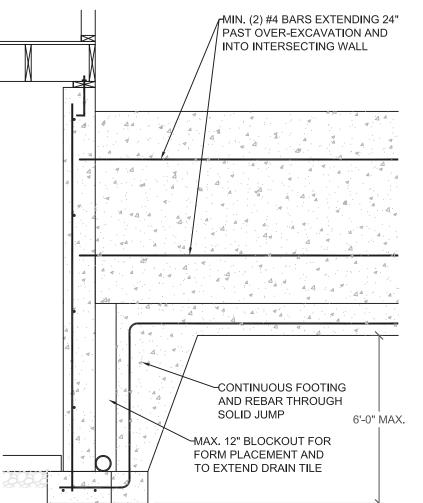


FOOTNOTES:

1) WALL HEIGHT IS MEASURED FROM THE TOP OF THE WALL TO THE TOP OF THE FLOOR SLAB 2) VERTICAL REINFORCEMENT FOR CONCRETE WALLS THAT ARE NOT FULL HEIGHT, AND FOR REINFORCEMENT SPACING 24" OC, REINFORCEMENT MAY BE PLACED IN THE MIDDLE OF THE WALL. OTHER WALLS SHALL HAVE VERTICAL REINFORCEMENT AS FOLLOWS:

- A) 8" WALL MINIMUM 5" FROM THE OUTSIDE FACE B) 10" WALL MINIMUM $6\frac{3}{4}$ " FROM THE OUTSIDE FACE
- C) EXTEND BARS TO WITHIN 8" OF THE TOP OF THE WALL
- 3) REINFORCEMENT CLEARANCES:
 - A) CONCRETE EXPOSED TO EARTH MINIMUM 11/2"
 - B) NOT EXPOSED TO WEATHER (INTERIOR SIDE OF WALLS) $\frac{3}{4}$ " C) CONCRETE EXPOSED TO WEATHER (TOP CLEARANCE IN GARAGE AND DRIVEWAY
- SLABS) 1½"
 4) HORIZONTAL REINFORCEMENT:
 - A) ONE BAR SHALL BE PLACED WITHIN 12" OF THE TOP OF THE WALL
 - B) OTHER BARS SHALL BE EQUALLY SPACED WITH SPACING NOT TO EXCEED 24" OC C) HORIZONTAL BARS SHOULD BE AS CLOSE TO THE TENSION FACE AS POSSIBLE (INTERIOR) AND BEHIND THE VERTICAL REINFORCEMENT (I.E. 2" TOWARD THE
 - D) SUPPLEMENTAL REINFORCEMENT AT CORNERS PLACE (1) #4 BAR 48" LONG AT 45 DEGREE ANGLE AT CORNERS OF OPENINGS. PLACE REINFORCEMENT WITHIN 6" OF THE EDGE OF INSIDE CORNERS.
- 5) REINFORCEMENT SHALL BE LAPPED A MINIMUM 24" AT ENDS, SPLICES, AND AROUND CORNERS.
- 6) AT MASONRY LEDGES THE MINIMUM WALL THICKNESS SHALL BE 3½". LEDGES SHALL NOT EXCEED A DEPTH OF MORE THAN 24" BELOW THE TOP OF THE WALL. FOR WALL THICKNESSES LESS THAN 4" PROVIDE #4 BARS AT MAX. 24" OC TO WITHIN 8" OF THE TOP OF THE WALL
- 7) STRAIGHT WALLS MORE THAN 5' TALL AND MORE THAN 16 FEET LONG SHALL BE PROVIDED WITH EXTERIOR BRACED RETURN WALLS. WALL LENGTH SHALL BE MEASURED USING INSIDE THE SHORTEST DIMENSION BETWEEN INTERSECTING WALLS

3 FOUNDATION WALL REINFORCEMENT TABLE S2.0 NO SCALE



S2.0 SCALE: $\frac{1}{2}$ " = 1'-0" (18x24) OR $\frac{3}{4}$ " = 1'-0" (24x36)

COLUMN PER SCHEDULE

-CONCRETE SLAB ON

GRADE PER PLAN

/─ MIN. 1'-6" ¬

SQUARE FOOTING

PLAN DIMENSION

COLUMN AND BEARING PAD SCHEDULE

MIN. 18" SQUARE BLOCKOUT FOR NINSTALLATION OF COLUMN BEARING

FOOTING

DEPTH

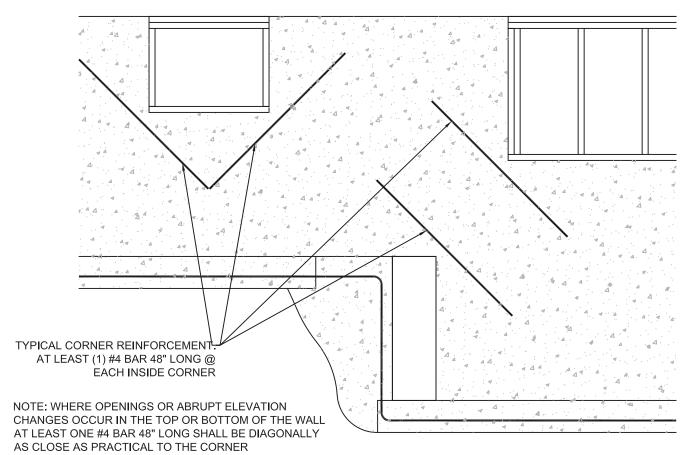
PAD SIZE AND-

TABLE ABOVE

REINFORCEMENT PER

PLATE DIRECTLY TO CONCRETE PAD

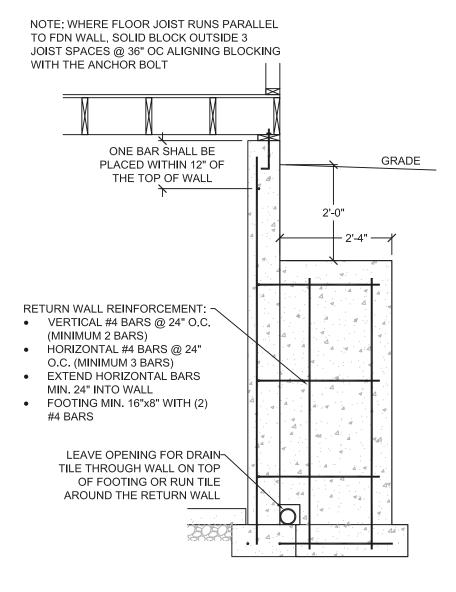




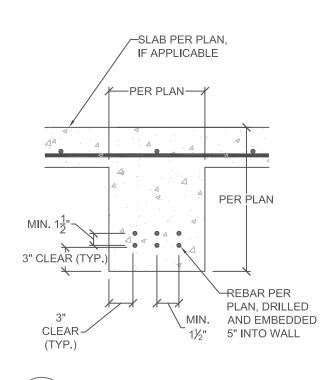
5 REINFORCEMENT AT OPENING CORNERS

S2.0 AND STEP CORNERS @ INSIDE CORNERS

SCALE: ½" = 1'-0" (18x24) OR ¾" = 1'-0" (24x36)



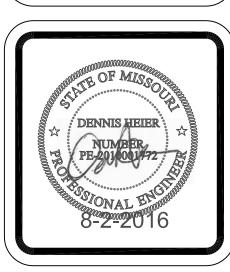
6 RETURN WALL DETAIL S2.0 SCALE: ½" = 1'-0" (18x24) OR ¾" = 1'-0" (24x36)



7 CONCRETE GRADE BEAM S2.0 SCALE: 1" = 1'-0" (18x24) OR 1½" = 1'-0" (24x36)



CLIENT: REGENCY HOMES, LLC
JOB TITLE: SPEC
LOCATION: MISSOURI



NO.	DATE	REVISION	BY			
DRA	WING TITLE					
FOUNDATION						
	DE	ETAILS				

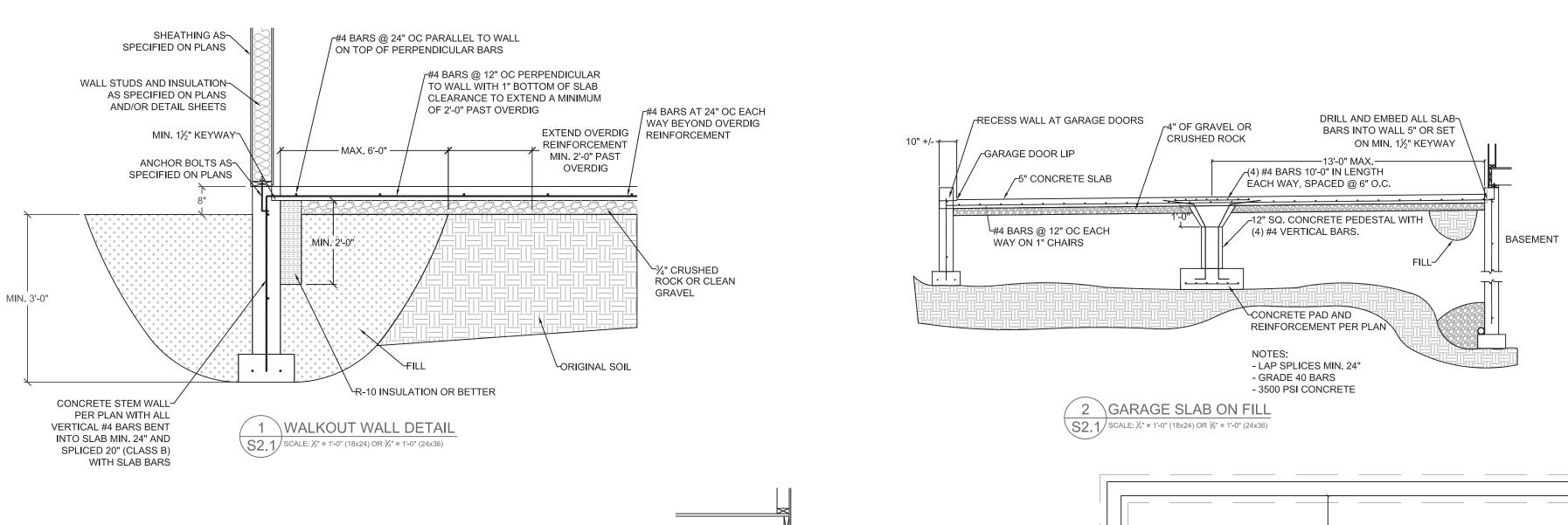
ENGINEER: DMH CHECKED BYDMH

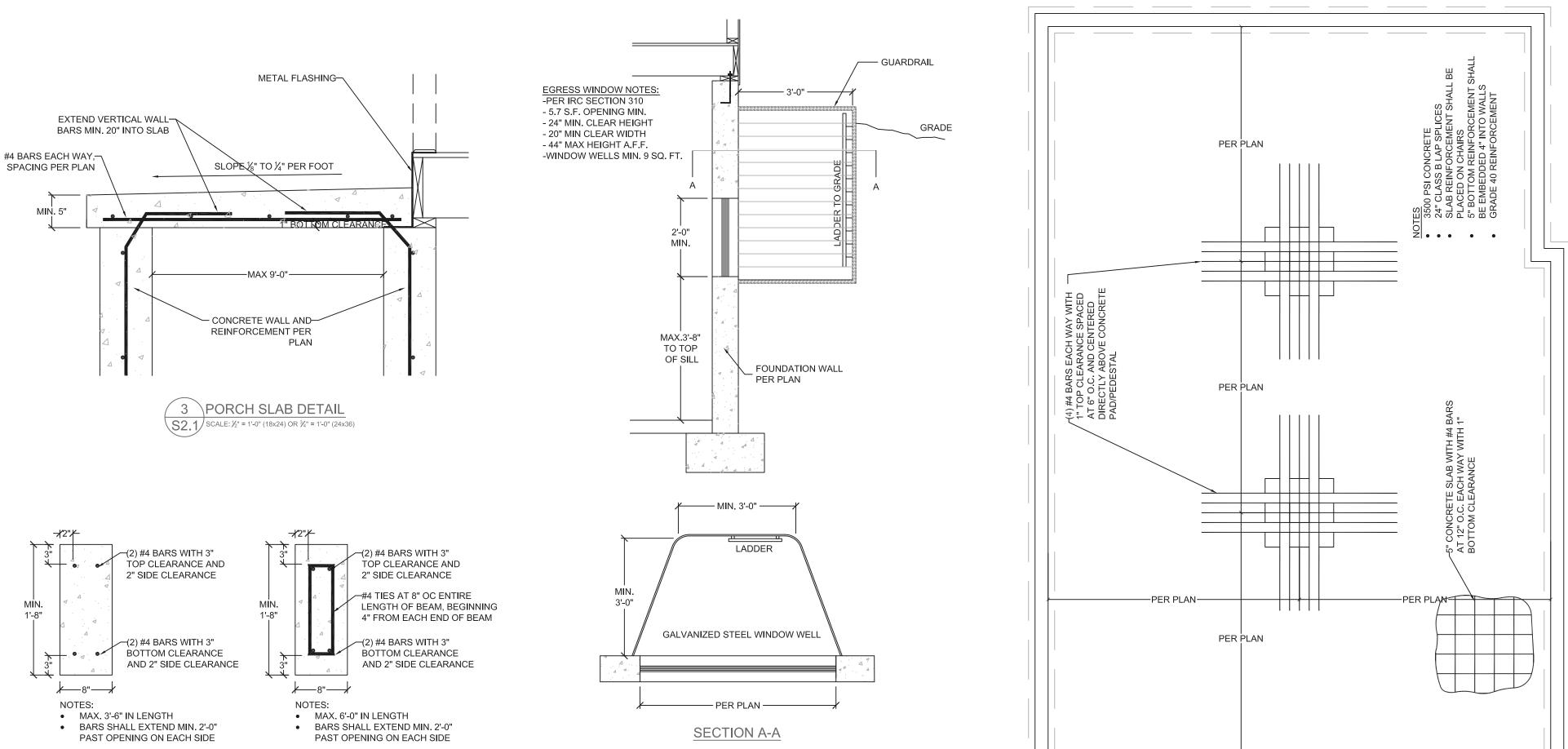
JOB NO. 1486 DRAWN BY: DMH

DATE: 08-02-16

SHEET NUMBER

S2.0





5 \EGRESS WINDOW WELL ELEVATION AND PLAN DETAILS

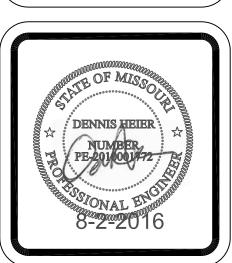
S2.1 SCALE: $\frac{1}{2}$ " = 1'-0" (18x24) OR $\frac{3}{4}$ " = 1'-0" (24x36)

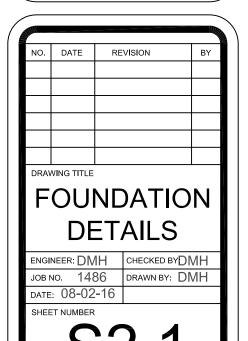
4 CONCRETE HEADER DETAILS

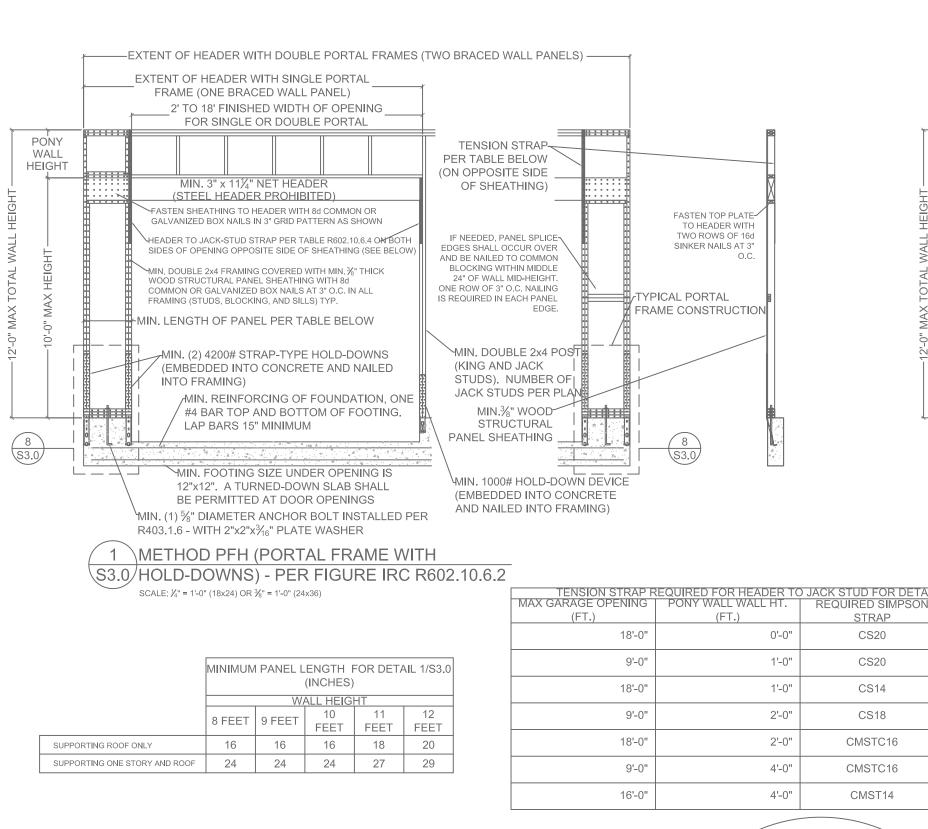
S2.1 SCALE: $\frac{1}{2}$ " = 1'-0" (18x24) OR $\frac{3}{4}$ " = 1'-0" (24x36)



CLIENT: REGENCY HOMES, LLC
JOB TITLE: SPEC
LOCATION: MISSOURI







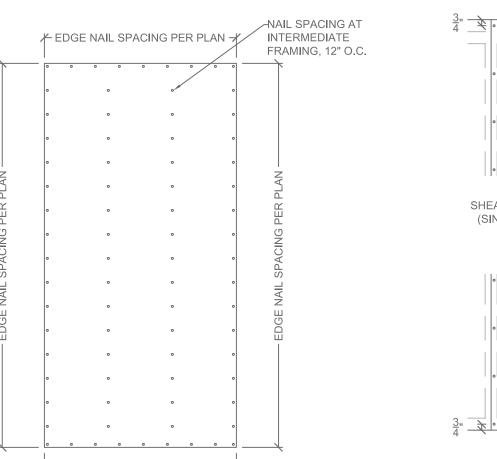
EXTENT OF HEADER WITH DOUBLE PORTAL FRAMES (TWO BRACED WALL PANELS) – EXTENT OF HEADER WITH SINGLE PORTAL FRAME (ONE BRACED WALL PANEL) 2' TO 18' FINISHED WIDTH OF OPENING FOR SINGLE OR DOUBLE PORTAL PONY TENSION STRAP PER-WALL TABLE BELOW (ON HEIGHT OPPOSITE SIDE OF SHEATHING) (STEEL HEADER PROHIBITED) FASTEN SHEATHING TO HEADER WITH 8d COMMON OR FASTEN TOP PLATE TO-GALVANIZED BOX NAILS IN 3" GRID PATTERN AS SHOWN IF NEEDED, PANEL SPLICE HEADER WITH TWO EDGES SHALL OCCUR OVER ROWS OF 16d SINKER AND BE NAILED TO COMMON HEADER TO JACK-STUD STRAP PER TABLE∕ NAILS AT 3" O.C. BLOCKING WITHIN MIDDLE 24" R602.10.6.4 ON BOTH SIDES OF OPENING OF WALL MID-HEIGHT. ONE OPPOSITE SIDE OF SHEATHING (SEE BELOW) ROW OF 3" O.C. NAILING IS REQUIRED IN EACH PANEL ∰,TYPICAL PORTAL FRAME MIN. DOUBLE 2x4 FRAMING COVERED WITH CONSTRUCTION MIN. 7/16" THICK WOOD STRUCTURAL PANEL SHEATHING WITH 8d COMMON OR GALVANIZED BOX NAILS AT 3" O.C. IN FRAMING (STUDS, BLOCKING, AND SILLS) AS SHOWN - TYP. MIN. DOUBLE 2x4 POST (KING AND JACK MIN. LENGTH OF PANEL PER TABLE BELOW STUDS). NUMBER OF JACK STUDS PER PLAN $MIN.\frac{7}{16}$ " WOOD STRUCTURAL PANEL HNTERMITTENT SHEATHING BRACED WALL PANEL REQUIRED MIN. FOOTING SIZE UNDER OPENING IS ADJACENT OPENING 12"x12". A TURNED-DOWN SLAB SHALL BE FOR SINGLE PERMITTED AT DOOR OPENINGS PORTAL FRAME MIN. (2) ½" DIAMETER ANCHOR BOLTS INSTALLED PER -ANCHOR BOLTS PER PLAN R403.1.6 WITH 2"x2"x3/16" PLATE WASHER

2 \METHOD PFG (PORTAL FRAME AT GARAGE S3.0/DOOR) - PER FIGURE IRC R602.10.6.3

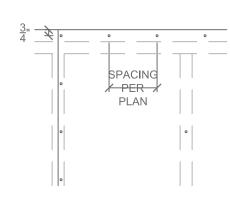
SCALE: 1/4" = 1'-0" (18x24) OR 3/8" = 1'-0" (24x36)

MINIMUM F	MINIMUM PANEL LENGTH FOR DETAIL 2/S3.0 (INCHES) WALL HEIGHT								
8 FEET	9 FEET	10 FEET	11 FEET	12 FEET					
24	27	30	33 ^a	36 ^a					

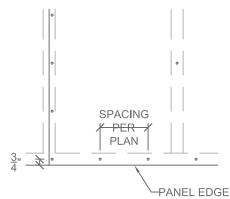
a. Maximum opening height for PFG is 10 feet in accordance with Figure R602.10.6.3, but wall height may be increased to 12 feet with pony wall





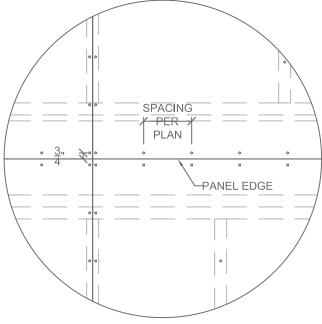


SHEATHING EDGE AT TOP PLATE (SINGLE ROW OF FASTENERS)



SHEATHING EDGE AT BOTTOM PLATE (SINGLE ROW OF FASTENERS)

SHEATHING EDGE AT TOP S3.0/AND BOTTOM PLATES SCALE: 1" = 1'-0" (18x24) OR 1½" = 1'-0" (24x36)



CS20

CS20

CS14

CS18

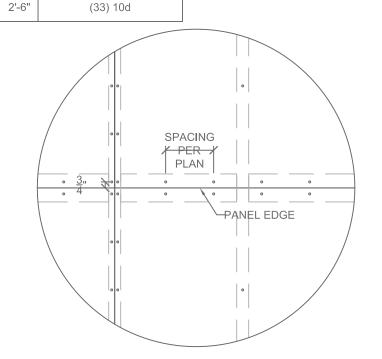
CMSTC16

CMSTC16

CMST14

5 SHEATHING EDGE AT HORIZONTAL S3.0/FRAMING MEMBER

SCALE: 1" = 1'-0" (18x24) OR 11/2" = 1'-0" (24x36)



IAILS REQUIRED IN EACH

STRAP END LENGTH

(7) 8d

(7) 8d

(15) 8d

(9) 8d

(25) 16d SINKER

(25) 16d SINKER

MIN. STRAP END LENGTH

0'-9"

0'-9'

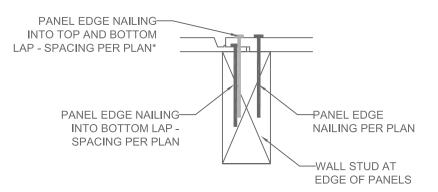
1'-4"

0'-11"

1'-8"

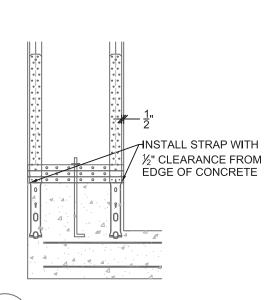
1'-8"

\SHEATHING EDGE AT PANEL S3.0/SPLICE ACROSS STUDS SCALE: 1" = 1'-0" (18x24) OR 11/2" = 1'-0" (24x36)

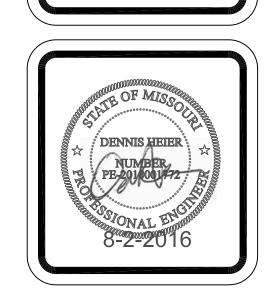


*NOTE: NAILING INTO TOP AND BOTTOM LAP IS IN ADDITION TO NAILING REQUIRED INTO BOTTOM LAP. FOR EXAMPLE, IF PLAN CALLS FOR NAILS @ 6" O.C. AT EDGES, BOTTOM LAP SHALL BE FASTENED AT 6" O.C AND, IN ADDITION, NAILING SHALL ALSO BE INSTALLED THROUGH TOP AND BOTTOM LAP @ 6" O.C. STAGGERED 3" FROM BOTTOM LAP NAILING





GARAGE HOLD-DOWN S3.0/STRAP INSTALLATION SCALE: ½" = 1'-0" (18x24) OR ¾" = 1'-0" (24x36)



MISSOURI

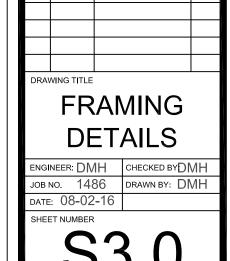
REGENCY

CLIENT:

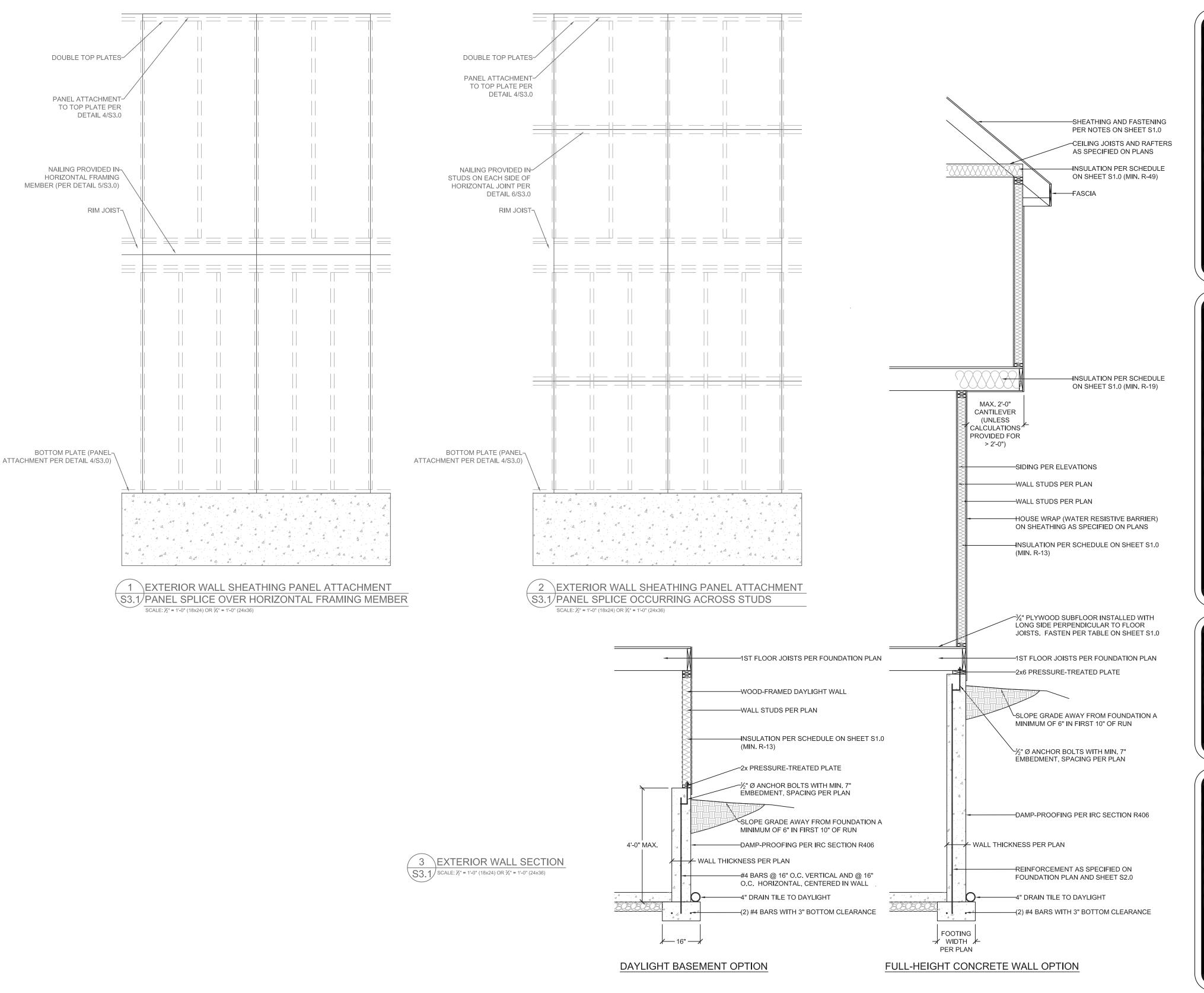
SPEC

TITLE:

JOB



REVISION

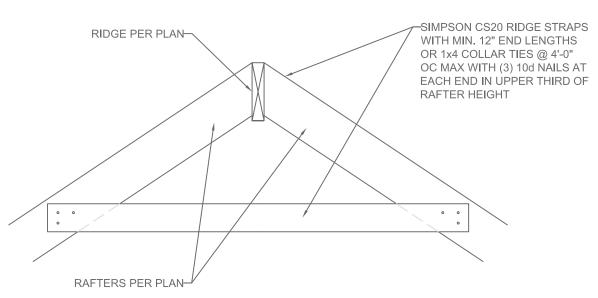


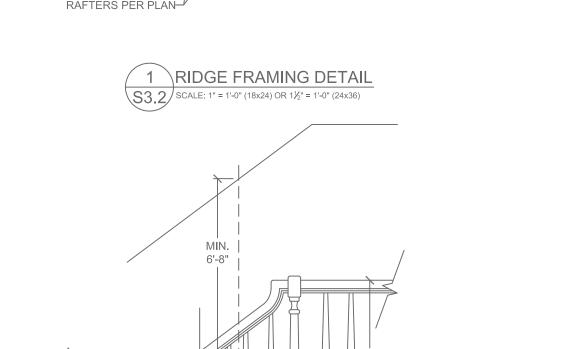


CLIENT: REGENCY HOMES, LLC
JOB TITLE: SPEC
LOCATION: MISSOURI



SM						Mar		
,								
NO.	DATE	RE	VISION			BY		
DRAWING TITLE								
FRAMING								
DETAILS								
ENGINEER: DMH			снескед вуДМН					
JOB I	vo. 148	36	DRAWN	I BY:	D۱	ЛΗ		
DATE	08-02	-16						
SHEET NUMBER								
		_	_					





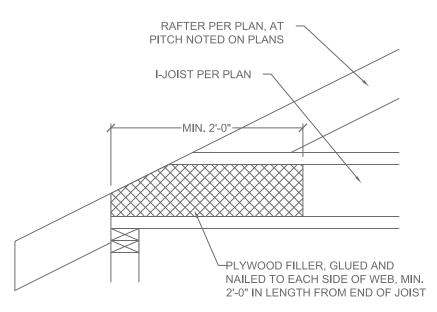
- MAX RISE 7¾" MIN. RUN 10" USE AT ALL FLOOR OPENINGS GREATER THAN 30" ABOVE GRADE OR THE FLOOR BELOW AND/OR STAIRS WITH THREE OR MORE RISERS

31/8" MAX FREE SPACE

SIMPSON-CS16 STRAP

└─BEARING WALL

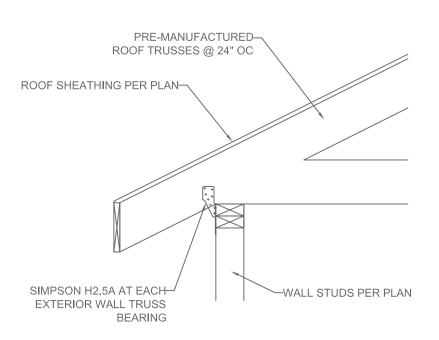
4 \STAIR AND HANDRAIL/GUARDRAIL DETAIL \$3.2\scale: ½" = 1'-0" (18x24) OR ¾" = 1'-0" (24x36)



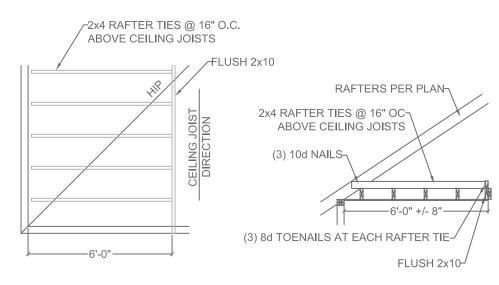
MIN. 34", MAX. 38"

FROM NOSE OF TREAD

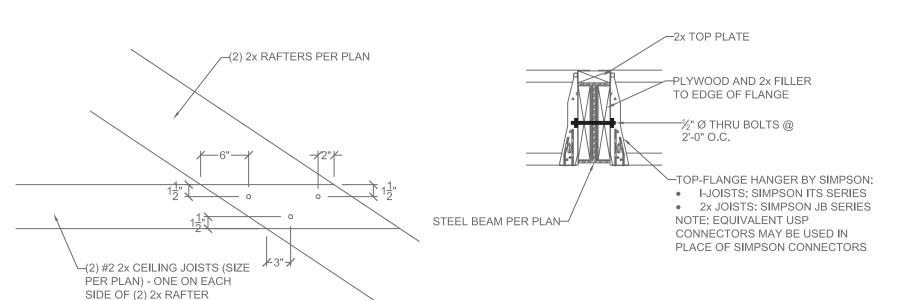
\COPED I-JOIST REINFORCEMENT \$3.2 SCALE: 1" = 1'-0" (18x24) OR 1½" = 1'-0" (24x36)



TRUSS CONNECTION TO EXT. WALL BEARING S3.2 SCALE: 1" = 1'-0" (18x24) OR $1\frac{1}{2}$ " = 1'-0" (24x36)

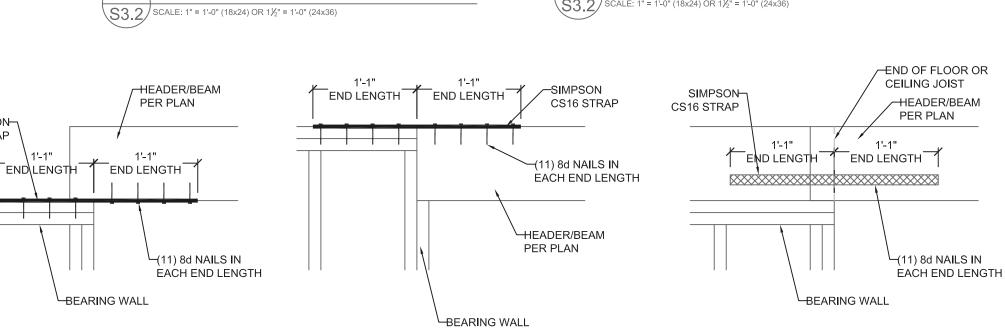


5 RAFTER TIES AT CEILING JOISTS PERP. TO RAFTERS S3.2 SCALE: $\frac{1}{2}$ = 1'-0" (18x24) OR $\frac{3}{8}$ " = 1'-0" (24x36)

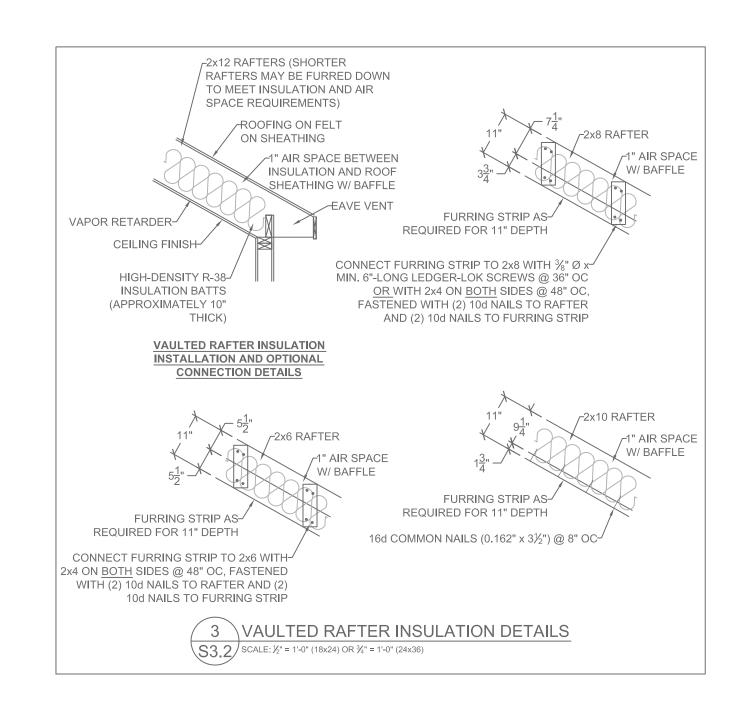


6 \FIELD-CONSTRUCTED A-FRAME DETAIL S3.2 SCALE: 1" = 1'-0" (18x24) OR $1\frac{1}{2}$ " = 1'-0" (24x36)

7 \FLOOR JOIST TO FLUSH STEEL BEAM DETAIL S3.2 SCALE: 1" = 1'-0" (18x24) OR $1\frac{1}{2}$ " = 1'-0" (24x36)



10 \HEADER/BEAM CONNECTION OPTIONS AT OUTDOOR/OPEN SPACE S3.2 SCALE: 1" = 1'-0" (18x24) OR $1\frac{1}{2}$ " = 1'-0" (24x36)



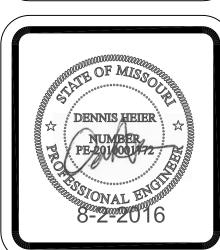
HEIGHT (FT.)		SPACING (I	NCHES O.C	.)
neight (F1.)	24	16	12	8
	SUPPORTI	NG A ROOF	ONLY	
10 OR LESS	2x4	2x4	2x4	2x4
12	2x6	2x4	2x4	2x4
14	2x6	2x6	2x6	2x4
16	2x6	2x6	2x6	2x4
18	DR	2x6	2x6	2x6
20	DR	DR	2x6	2x6
SUPF	PORTING O	NE FLOOR A	AND A ROOF	=
10 OR LESS	2x6	2x4	2x4	2x4
12	2x6	2x6	2x6	2x4
14	2x6	2x6	2x6	2x6
16	DR	2x6	2x6	2x6
18	DR	2x6	2x6	2x6
20	DR	DR	2x6	2x6
SUPP	ORTING TW	O FLOORS	AND A ROC	F
10 OR LESS	2x6	2x6	2x4	2x4
12	2x6	2x6	2x6	2x6
14	2x6	2x6	2x6	2x6
16	DR	2x6	2x6	2x6
18	DR	DR	2x6	2x6
20	DR	DR	DR	2x6

NOTES: 1) DR = DESIGN REQUIRED 2) UTILITY, STANDARD, STUD AND #3 GRADE LUMBER OF ANY SPECIES ARE NOT PERMITTED 3) THIS TABLE DOES NOT APPLY FOR STUDS SUPPORTING MEMBERS WITH A TRIB. LENGTH GREATER THAN 6'-0"

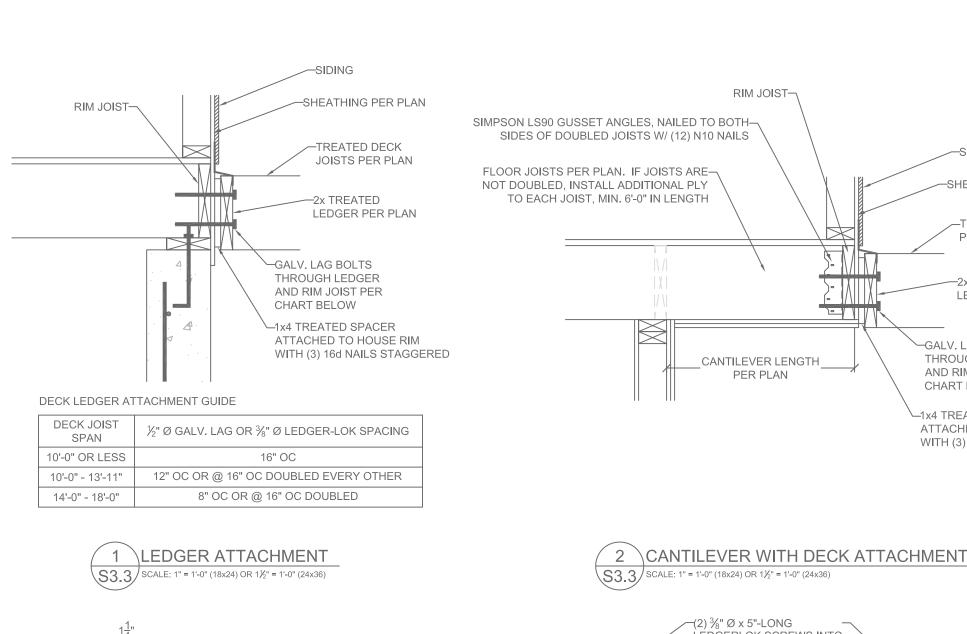
MAXIMUM ALLOWABLE LENGTH OF S3.2/WOOD WALL STUDS (IRC TABLE 602.3.1)

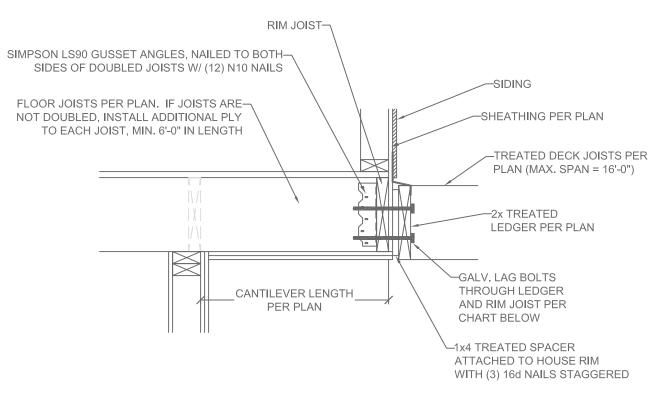


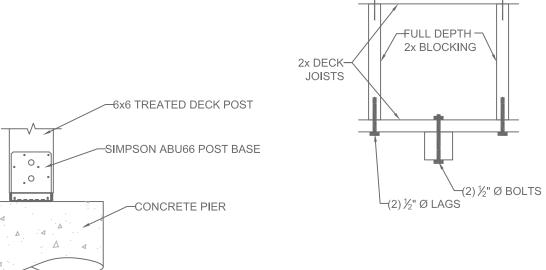
CLIENT: REGENCY HOMES, LLC LOCATION: MISSOURI SPEC JOB TITLE:

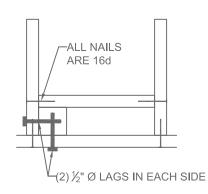


NO.	DATE	RE	VISION		BY				
DRAV	DRAWING TITLE								
ı	FRAMING								
	DETAILS								
ENGI	NEER: DIV	CHECKED BYDMH							
JOB N	јов no. 1486		DRAWN BY: DMH						
DATE	08-02	-16							
SHEE	SHEET NUMBER								
				7					



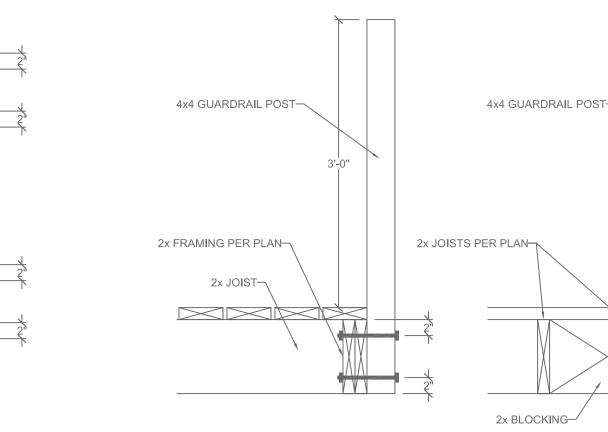


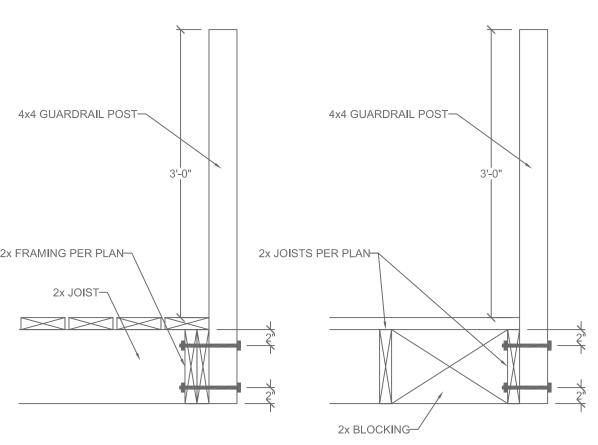




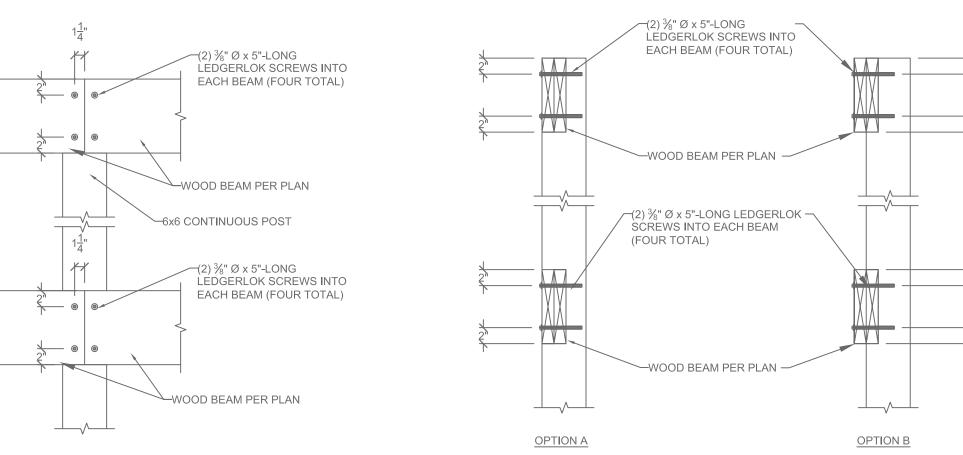


4 REINF. POST CONNECTIONS S3.3 SCALE: 1" = 1'-0" (18x24) OR $1\frac{1}{2}$ " = 1'-0" (24x36)

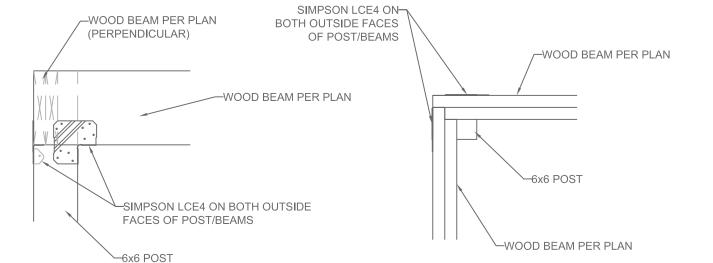








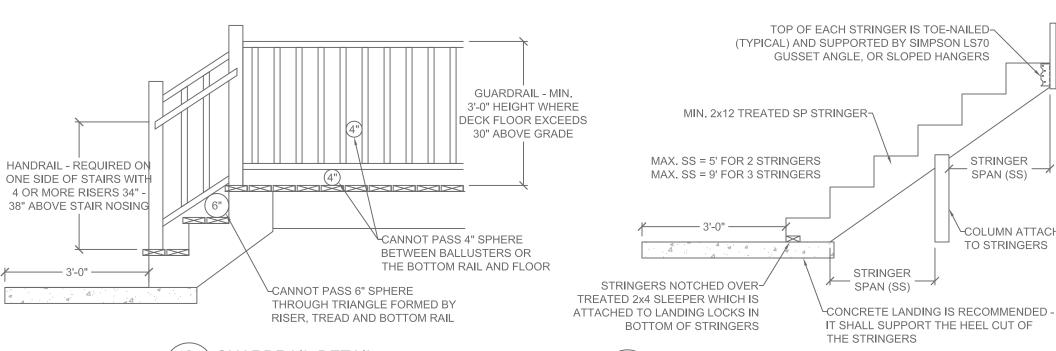
5 LET-IN (COVERED) DECK BEAM CONNECTION



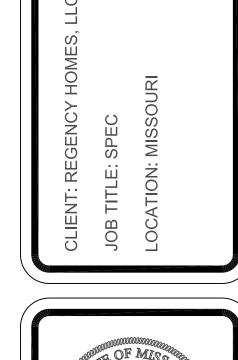
(\$3.3) SCALE: 1" = 1'-0" (18x24) OR $1\frac{1}{2}$ " = 1'-0" (24x36)

7 \ALTERNATE COVERED DECK/PORCH INTERSECTION \S3.3/CORNER BEAM CONNECTION

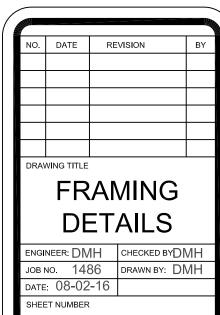
SCALE: 1" = 1'-0" (18x24) OR 11/2" = 1'-0" (24x36)



8 \GUARDRAIL DETAIL 9 \STAIR STRINGER DETAIL (MAX. 5' STAIR WIDTH) S3.3 SCALE: $\frac{1}{2}$ " = 1'-0" (18x24) OR $\frac{3}{4}$ " = 1'-0" (24x36) \$3.3 SCALE: ½" = 1'-0" (18x24) OR ¾" = 1'-0" (24x36)







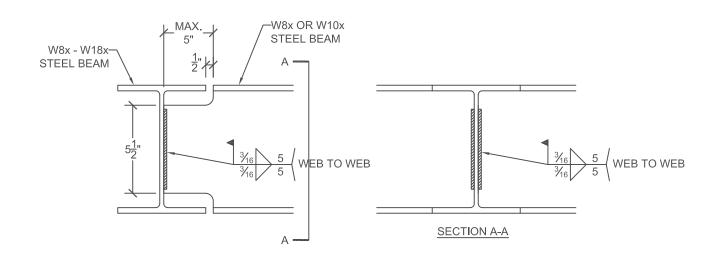
STRINGER

SPAN (SS)

COLUMN ATTACHED

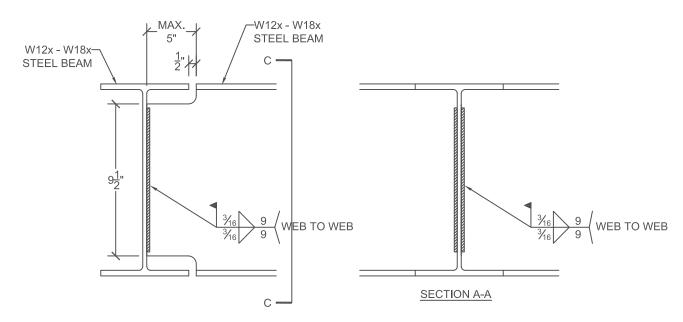
TO STRINGERS





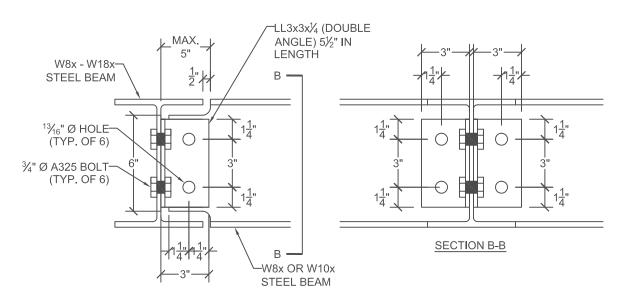
1 WELDED T-BEAM CONNECTION FOR W8x AND W10x BEAMS S3.4 SCALE: 2" = 1'-0" (18x24) OR 3" = 1'-0" (24x36)

(OPTION #1)



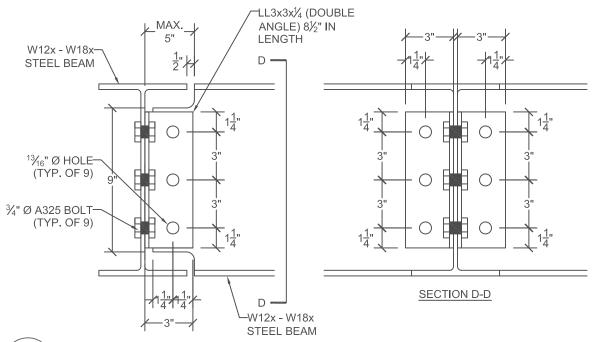
2 WELDED T-BEAM CONNECTION FOR W12x, W14x, W16x & W18x BEAMS S3.4 SCALE: 2" = 1'-0" (18x24) OR 3" = 1'-0" (24x36)

(OPTION #1)



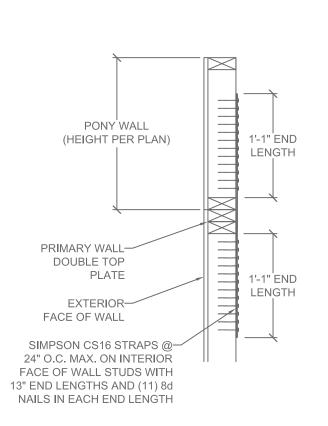
1 BOLTED T-BEAM CONNECTION FOR W8x AND W10x BEAMS S3.4 SCALE: 2" = 1'-0" (18x24) OR 3" = 1'-0" (24x36)

(OPTION #2)

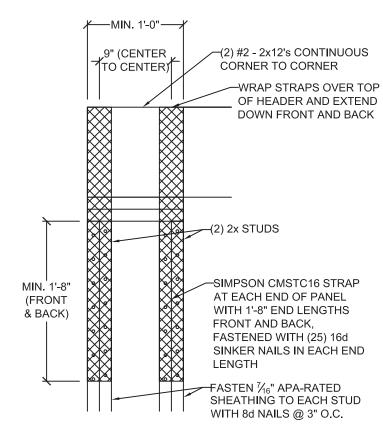


2 BOLTED T-BEAM CONNECTION FOR W12x, W14x, W16x & W18x BEAMS S3.4 SCALE: 2" = 1'-0" (18x24) OR 3" = 1'-0" (24x36)

(OPTION #2)

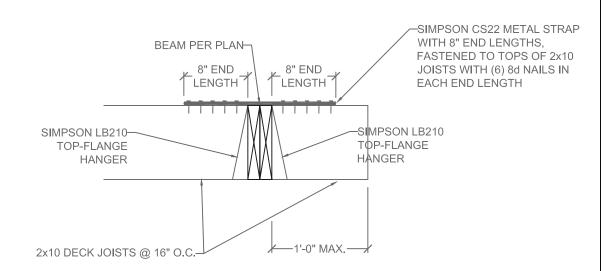




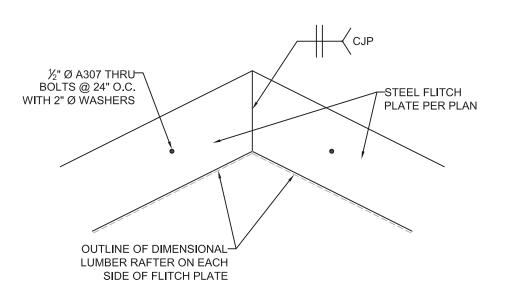


NOTE: SILL PLATE OF PANEL SHALL BE MIN. (1) 2x AND FASTENED WITH $\frac{1}{2}$ " Ø ANCHOR BOLT AND 2" Ø WASHER PLATE

6 3RD CAR STALL BRACING S3.4 SCALE: 1" = 1'-0" (18x24) OR 1½" = 1'-0" (24x36)



3 FLOOR JOIST CONNECTION DETAIL S3.4 SCALE: 1" = 1'-0" (18x24) OR 1½" = 1'-0" (24x36)



4 RAFTER FLITCH PLATE DETAIL S3.4 SCALE: 1" = 1'-0" (18x24) OR 1½" = 1'-0" (24x36)



CLIENT: REGENCY HOMES, LLC JOB TITLE: SPEC LOCATION: MISSOURI



					MA	
NO.	DATE	RE	VISION		BY	
DRA	WING TITLE					
STEEL BEAM						
CC	NC	ΙF	CT		NS	
<u> </u>	2141	<u> </u>	<u> </u>		110	
ENGINEER: DMH		CHECK	ED BYD	MH		
јов no. 1486		DRAWN	IBY: D	MH		
DATE: 08-02-16						
SHEET NUMBER						
1				4		