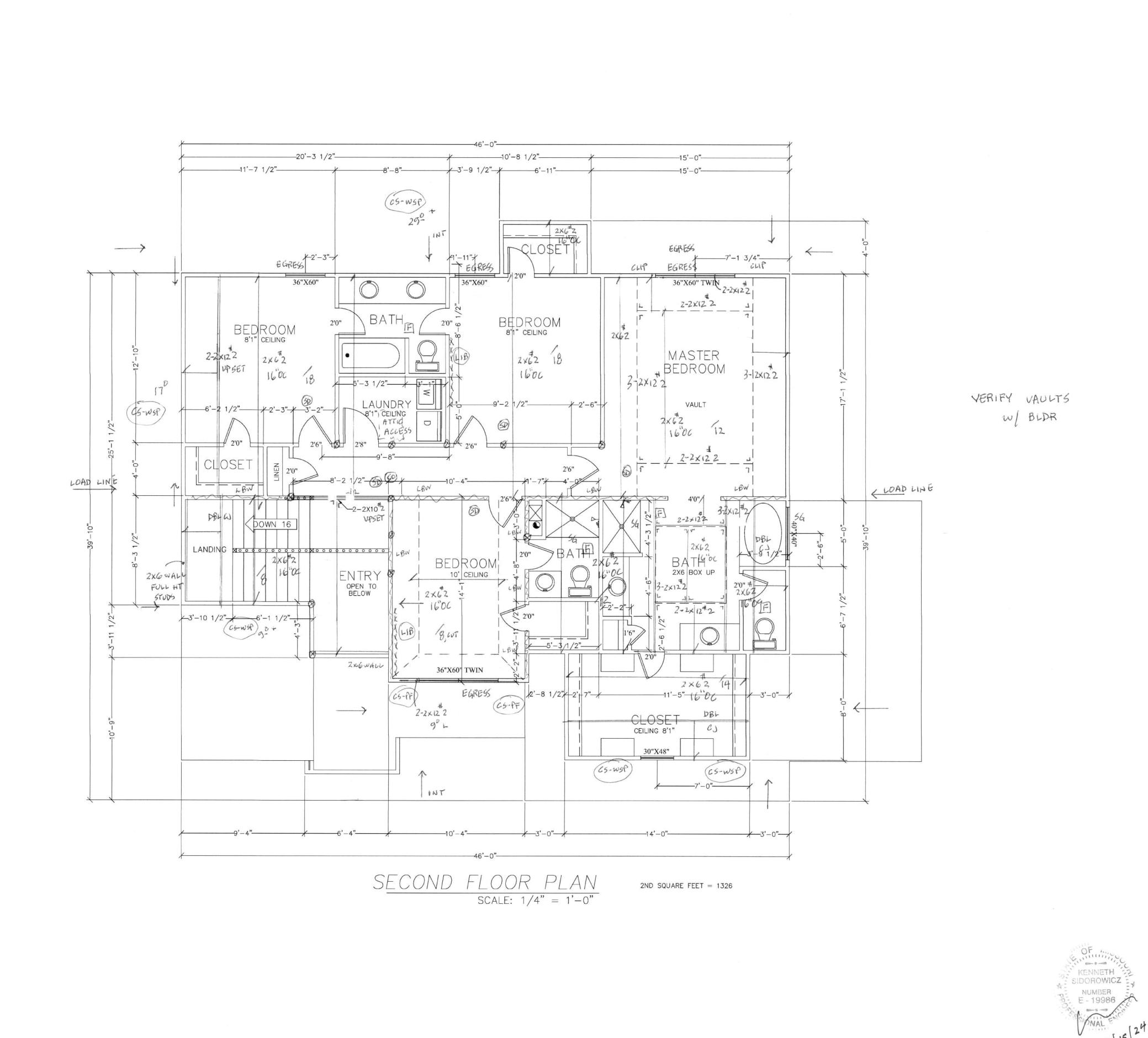


RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
12/23/2024 2:49:51



SECOND FLOOR FRAMING

MODEL:

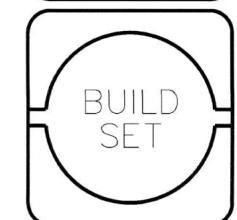
WOODCREST B

DATE: 20/21

2/20/21

ARCHITECT IS NOT RESPONSIBLE FOR THE STRUCTURAL ELEMENTS OF THESE PLANS. A STRUCTURAL ENGINEER MAY NEED TO VERIFY ALL STRUCTURAL ASPECTS OF THESE PRINTS BEFORE CONSTRUCTION BEGINS. FIELD CONDITIONS MAY BE DIFFERENT FROM PLAN. ALL STATE AND LOCAL CODES TAKE PRECIDENCE OVER THESE PLANS. CONTRACTOR WILL BE RESPONSIBLE FOR PLAN INTEGRITY AND CODE COMPLIANCE

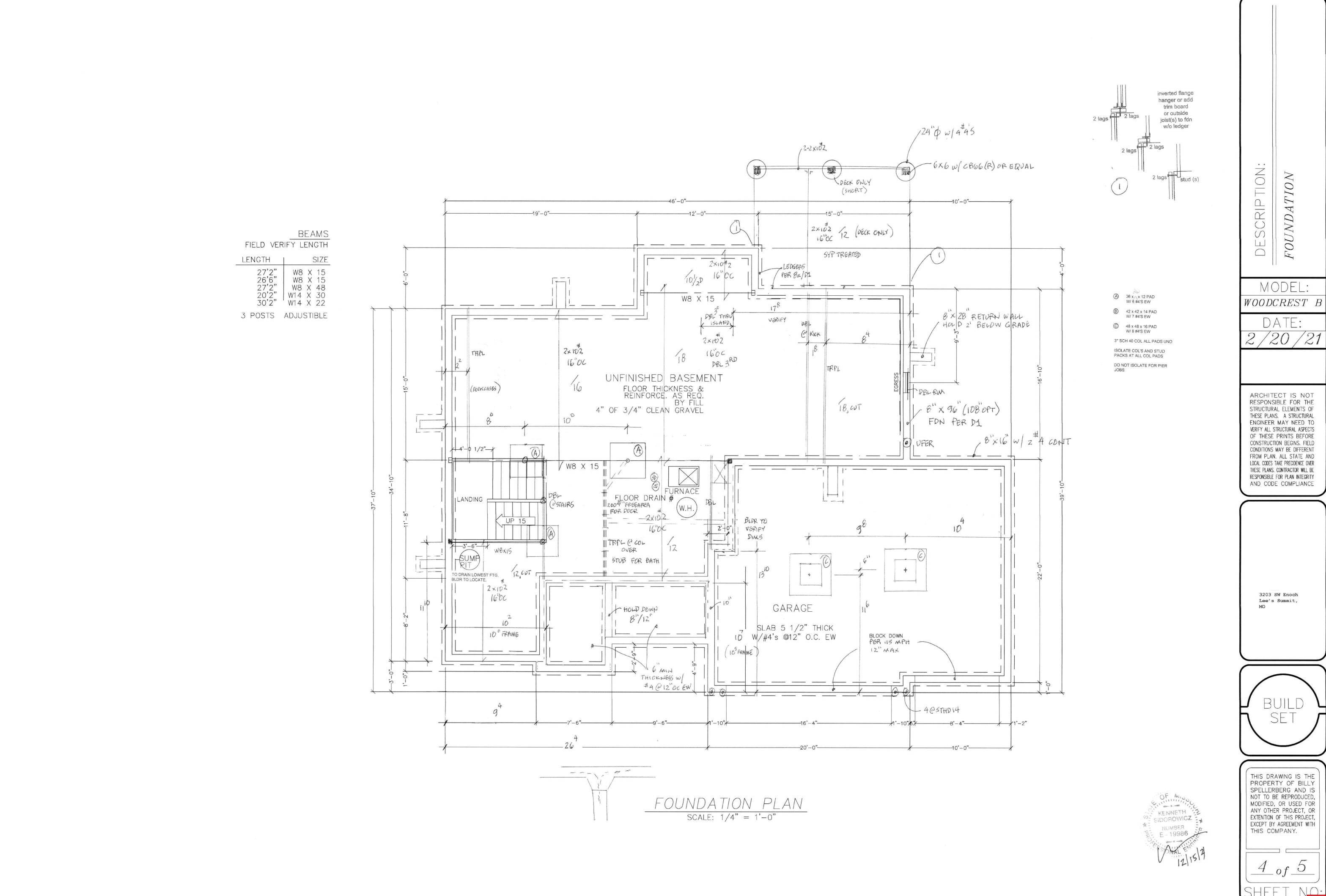
3203 SW Enoch Lee's Summit, MO



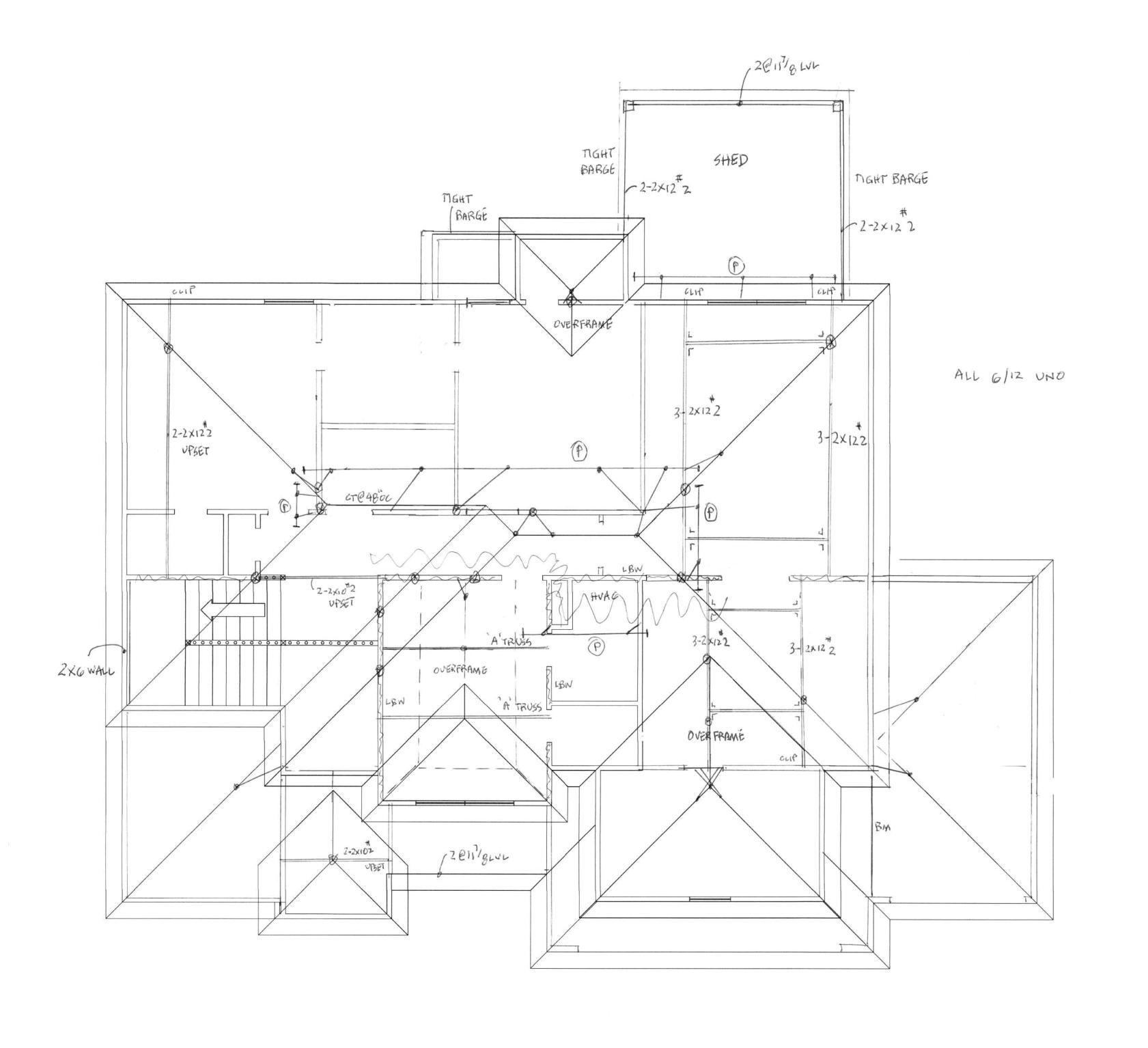
THIS DRAWING IS THE PROPERTY OF BILLY SPELLERBERG AND IS NOT TO BE REPRODUCED, MODIFIED, OR USED FOR ANY OTHER PROJECT, OR EXTENTION OF THIS PROJECT, EXCEPT BY AGREEMENT WITH THIS COMPANY.

 $3_{of}5$ 

RELEASE FOR



RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
12/23/2024 2:49:52



ATTIC VENTILATION

VENT EACH ENCLOSED ATTIC SPACE

NET AREA OPENING = 1/150TH OF VENTED AREA

OR 1/300TH IF 50-80× OF VENTING NEAR TOP

ASPHALT SHINGLES — 3/12 MIN. W/ INTERLAYMENT FLASH & COUNTERFLASH ALL ROOF PENETRATIONS AND INTERSECTIONS ICE DAM AT SOFFITS AND VALLEYS

RAFTERS & CEILING JOISTS

COLLAR TIES AT UPPER THIRD POINT 48" OC 2  $\times$  4 MIN CEILING JOISTS ARE TURNED AS REQUIRED FOR RAFTER TIES

RIDGE/RAFTER HANGERS AND STRAPS AS REO'D OUTRIGGERS REO'D @ GABLE END SOFFITS FOR COMP ROOF W/ SOFFITS > 12° OUTRIGGERS REO'D @ GABLE END SOFFITS FOR TILE ROOF

UNLESS NOTED:

PAFTERS ARE 2 X 6 #2 DF/L @ 16' OC 25/10 25/15 w/ SOLAR

PROVIDE VERTICAL LOAD SUPPORT AT THE NOTED LOAD POINTS FOR HIPS, VALLEYS, PURLINS & RIDGES LET-IN SUPPORT LEG TO PURLIN ALL HIPS, VALLEYS & RIDGES ARE SIZED FOR THE RAFTER DEPTH, PITCH, AND LOAD, ALL 2X8 UNO

PURLIN LEG OC

2 X 8 5-4\*
2 X 10 #3 6-6\*
2 X 10 #2 8-0\*

COMP SUPPORT LEG MAX LENGTH 2 X 4 W/ 2 X 4 T—BRACE 2 X 6 W/ 2 X 4 T—BRACE 2 X 6 W/ 2 X 6 T—BRACE 2 X 6 W/ 2 X 6 T—BRACE 2 X 8 W/ 2 X 4 T—BRACE 2 X 6 W/ 2 X 6 T—BRACE

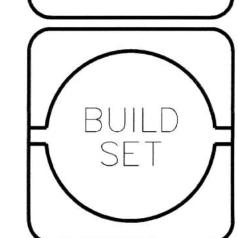
HEEL JOINT CONNECTION FACTOR \*ALL ROOF FRAMING MEMBERS ARE SIZED AS BEAMS AND BRACED TO LBWs, HEADERS OR OTHER STRUCTURE 1/10 OR LESS

H<sub>C</sub> = HEIGHT OF CEILING JOISTS OR RAFTER TIES MEASURED VERTICALLY ABOVE TOP OF RAFTER SUPPORT WALL

H<sub>R</sub> = HEIGHT OF ROOF RIDGE MEASURED VERTICALLY ABOVE THE TOP OF THE RAFTER SUPPORT WALL

RAFTER TIES SHALL BE PROVIDED PER 802.3.1 WHEN THE CJ'S ARE NOT CONNECTED TO THE RAFTERS AT THE TOP PLATE





V

 $\overline{H}$ 

R00.

WOODCREST

ARCHITECT IS NOT

RESPONSIBLE FOR THE

STRUCTURAL ELEMENTS OF THESE PLANS. A STRUCTURAL

ENGINEER MAY NEED TO

VERIFY ALL STRUCTURAL ASPECTS

OF THESE PRINTS BEFORE CONSTRUCTION BEGINS. FIELD

CONDITIONS MAY BE DIFFERENT FROM PLAN. ALL STATE AND

LOCAL CODES TAKE PRECIDENCE OVER

THESE PLANS. CONTRACTOR WILL BE RESPONSIBLE FOR PLAN INTEGRITY AND CODE COMPLIANCE

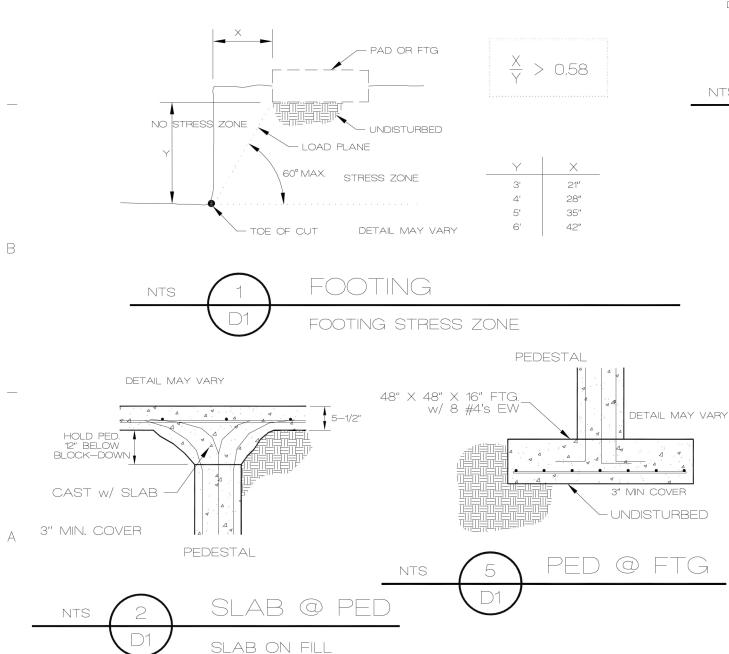
3203 SW Enoch Lee's Summit,

THIS DRAWING IS THE PROPERTY OF BILLY SPELLERBERG AND IS NOT TO BE REPRODUCED, MODIFIED, OR USED FOR ANY OTHER PROJECT, OR EXTENTION OF THIS PROJECT, EXCEPT BY AGREEMENT WITH THIS COMPANY.

RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI 12/23/2024 2:49:52

 $ROOF\ FRAMING\ PLAN$ SCALE: 1/4" = 1'-0"

WITH EOR. TURN DOWN SLAB @ | HVAC BLOCK DOWN HVAC TRUNK 12" ADDITIONAL BLOCK DOWN @ HVAC DETAIL MAY VARY — PAD OR ETG <del>()</del> > 0.58 JNDISTURBED - LOAD PLANE STRESS ZONE



<u>DIVISION 3</u> — CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" AND ACI 332 "REQUIREMENTS FOR RESIDENTIAL CONCRETE CONSTRUCTION."

MASONRY STRENGTH (F'm DESIGN)\_ BLOCK STRENGTH MORTAR STRENGTH

A) CEMENT - ASTM C 150 TYPE 1 B) AGGREGATE — ASTM C 33, MAXIMUM AGGREGATE SIZE 3/4" C) WATER — POTABLE, WATER/CEMENT RATIO .5 (MAX.) D) AIR-ENTRAINING ADMIXTURE - ASTM C 260

(AIR-ENTRAINED CONCRETE)

E) WATER-REDUCING ADMIXTURE - ASTM C 494, INCLUDING SUPERPLASTICIZERS. F) FLY ASH — ASTM C 618, CLASS C

\_SEE TABLE, (0/10 TRUSSES) 3. CONCRETE SHALL DEVELOP THE FOLLOWING MINIMUM 28 DAY DESIGN COMPRESSIVE STRENGTH (f'c): TYPE OF CONSTRUCTION COMP. STRENGTH (f'c) A) FOOTINGS, WALLS, AND SLABS SFF TABLE

> CONCRETE PROPORTIONS SHALL BE ESTABLISHED ON THE BASIS OF FIELD EXPERIENCE AND/OR TRIAL MIXTURES IN ACCORDANCE WITH ACI 318-89 SECTIONS 5,2 AND 5,3. WHEN FLY ASH IS UTILIZED IN THE MIX, MIX SHALL CONTAIN A WATER-REDUCER. FLY ASH SHALL BE ADDED AT THE RATE OF NOT MORE THAN 100 POUNDS PER CUBIC YARD AND CEMENT SHALL BE REDUCED BY NOT MORE THAN 15 PERCENT BY WEIGHT.

SEE TABLE

4. PROPORTION AND DESIGN MIXES TO RESULT IN CONCRETE SLUMP AT A POINT OF PLACEMENT OF NOT MORE THAN 4" TO 5".

5. USE AIR-ENTRAINING ADMIXTURES IN EXTERIOR EXPOSED CONCRETE TO RESULT IN CONCRETE AT POINT OF PLACEMENT HAVING AIR CONTENT OF 5 TO 7 PERCENT ENTRAINED AIR.

6. ALL PLUMBING AND ELECTRICAL ROUGH—INS MUST BE COMPLETE, INSPECTED AND APPROVED BEFORE REQUESTING THE SLAB INSPECTION.

7. CONCRETE WORK EXECUTION:

A) MINIMUM CONCRETE COVER FOR REINFORCING SHALL BE, UNLESS NOTED OTHERWISE ON DRAWINGS: CAST AGAINST AND EXPOSED TO EARTH\_ EXPOSED TO EARTH OR WEATHER\_ NOT EXPOSED TO EARTH OR WEATHER

B) IN CORNERS OF GRADE BEAMS PROVIDE CORNER REINFORCEMENT I AP TWO FEET EACH DIRECTION IN OUTSIDE FACE, MATCHING SIZE AND SPACING OF HORIZONTAL REINFORCEMENT.

C) PROVIDE CONTROL JOINTS IN SLABS-ON-GRADE AT NOT GREATER THAN 20 FEET ON CENTER IN EACH DIRECTION. SAW CUT CONTROL JOINTS MINIMUM 1/4 OF THE SLAB DEPTH, AS SOON AFTER SLAB FINISHING AS POSSIBLE WITHOUT DISLODGING AGGREGATE. (DO NOT SAW CUT STRUCTURAL SLABS w/o APPROVAL).

8. BATCH TICKETS SHALL BE SUBMITTED TO A CONTRACTORS REPRESENTATIVE PRIOR TO OFF LOADING. ANY CONCRETE MORE THAN 45 MINUTES OUT PRIOR TO STARTING PLACEMENT SHALL BE

9. THE MAXIMUM ADDITION OF WATER SHALL BE LIMITED TO 1 GALLON PER YARD; NOTE THAT THIS ADDITION SHALL BE USED TO CONTROL HEAT ONLY (NOT SLUMP).

10. PUMPS SHALL NOT BE PRIMED IN FORMS.

11 REINFORCEMENT

A) ALL REINFORCING BARS SHALL BE A615, GR40 MIN. LAP SPLICES 18" MIN FOR #4 BAR. SEE TABLE B) WELDED WIRE FABRIC SHALL BE ASTM A185, LAP AT LEAST ONE

FULL MESH AND LACE SPLICES WITH WIRE. THE PLACEMENT OF CONCRETE. REBAR SHALL BE TIED AND SECURED AS REQUIRED TO PREVENT DISPLACEMENT IN THE FORMS.

POSSIBLE. TIES, CHAIRS, OR OTHER PRODUCTS SHALL BE PROTECTED WHEN LOCATED NEAR EXPOSED SURFACES. E) STEEL SHALL BE STORED ON SITE ABOVE GRADE, AND COVERED

AS REQUIRED FOR PROTECTION FROM RAIN AND OTHER POSSIBLE

DETAIL MAY VARY

JOIST HNGR -

FLOOR

JOIST

6" MIN. STEM WALL—

1-1/2" LEDGE

12. ADJUST FOUNDATION FOR SITE AND SOIL CONDITIONS AND VERIFY

DBL PLATE FOR GYP CRETE

- CONCRETE SLAB

— 1—1/2" COVER MIN.

2.5" INSULATION,

• •

- 1—1/2" LEDGE MIN.

ICF WALL

LUSH FRAMING @ FDN

<u>DIVISION 4</u> - MASONRY

1. COMPRESSIVE STRENGTH OF CONCRETE MASONRY CONSTRUCTION (CMU) SHALL BE AS FOLLOWS (PSI). MASONRY STRENGTH NOT SPECIFICALLY NOTED ON PLAN SHALL BE (f'm) 1500 PSI.

> 1500 1900 1800 GROUT STRENGTH\_\_

2. CONCRETE BLOCK SHALL BE HOLLOW LOAD—BEARING CONCRETE MASONRY UNITS CONFORMING TO ASTM C 90, TYPE N-II. ALL BLOCKS SHALL BE PLACED IN RUNNING BOND CONSTRUCTION (UNLESS OTHERWISE NOTED) WITH ALL VERTICAL CELLS IN ALIGNMENT.

3. MORTAR MIX SHALL CONFORM TO THE REQUIREMENTS OF ASTM C 270, TYPE M OR S. TYPE M MORTAR SHALL BE USED WHERE MASONRY IS IN CONTACT WITH SOIL.

4. GROUT SHALL CONFORM TO THE REQUIREMENTS OF ASTM C 476. USE SUFFICIENT WATER FOR GROUT TO FLOW INTO ALL JOINTS OF THE MASONRY WITHOUT SEGREGATION. ALL CELLS IN CONCRETE BLOCKS CONTAINING REINFORCING SHALL BE FILLED SOLID WITH GROUT. ALL MASONRY BELOW FINISHED FLOOR OR GRADE SHALL BE GROUTED SOLID. HOLD GROUT DOWN 1-1" BELOW TOP OF BLOCK AT GROUT LIFT JOINTS AND AT CONCRETE PLACED OVER MASONRY.

5. MINIMUM LINTEL, WHERE NOT ON PLANS, SHALL HAVE A MINIMUM OF 2 — #5's CONTINOUS HORIZONTAL BARS IN BOTTOM OF BOND BEAM OR LINTEL BLOCK AND SHALL BE GROUTED SOLID TO A MIN. DEPTH OF 24." ALL LINTEL REINFORCING AND GROUT SHALL EXTEND 2' MINIMUM PAST JAMBS UNLESS NOTED OTHERWISE ON PLANS OR DETAILS.

6. LAP REINFORCING 48 BAR DIAMETERS. STAGGER LAP SPLICES A MINIMUM OF ONE LAP LENGTH.

7. MASONRY VENEER SHALL BE ATTACHED TO SUPPORT WALL FRAMING WITH %" DIAMETER WALL TIES OR DOVETAIL-TYPE METAL TIES OF EQUIVALENT STIFFNESS EMBEDDED INTO HORIZONTAL MORTAR JOINTS, MAXIMUM VERTICAL SPACING OF TIES SHALL BE 16." MAXIMUM HORIZONTAL SPACING SHALL BE 24." TIES IN ALTERNATE COURSES SHALL BE STAGGERED. PROVIDE #9 WIRE REINFORCING IN HORIZONTAL MORTAR JOINTS AT 16" OC. ENGAGE #9 WIRE WITH WALL ANCHOR TIES. CONSTRUCTION JOINTS IN MASONRY VENEER WALLS SHALL BE LOCATED PER THE DRAWINGS.

8. WATERPROOFING, DRAINAGE PLANE, AND INSTALLATION PER ADOPTED BUILDING CODE.

<u>DIVISION 5.5</u> — MISC. STRUCTURAL STEEL

1. ALL MISCELLANEOUS STRUCTURAL STEEL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC "SPECIFICATIONS FOR DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS."

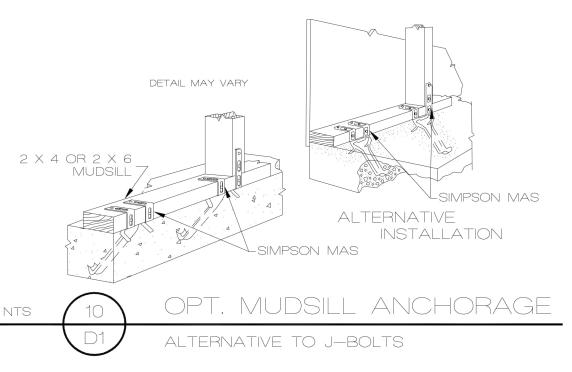
MISCELLANEOUS STRUCTURAL STEEL MATERIAL SHALL COMPLY A) STRUCTURAL STEEL — ASTM A992

B) STEEL PIPE COLUMNS - ASTM A53 GRADE B(Sch 40 TYP) C) ANCHOR BOLTS — ASTM A307 GRADE A, NON-HEADED TYPE UNLESS OTHERWISE NOTED.

3. FLITCH PLATES SHALL HAVE 1/2" DIA. BOLTS @ 16" OC, STAGGERED TOP AND BOTTOM BETWEEN JOIST LAYOUT.

#### RETURN WALLS UNBALANCED RETURN SPACING BACKFILL HT. (HOLD DOWN 24" BELOW GRADE) UP TO 5' 16'-4" ON CENTER (MAX.), AND/OR 5' TO 9' WITHIN 8' OF STEP DOWN

\* RETURN WALLS ALLOW FOR BACKFILL W/O FLOOR DECK IN PLACE FOR 60 PCF EQUIVALENT FLUID WEIGHT SOIL. NO HEAVY EQUIPMENT OR SURCHARE LOADING.



DETAIL MAY VARY 5-1/2" MIN. - 2 X LEDGE 24" LAP. MIN - DRILL & SEAL AS REQ'D 1-1/2" COVER -- DOWELS @ 12" OC SLAB @ WALI

SLAB ON FILI

CONCRETE OR CMU CONC STRENGTH REQ'D STRENGTH FTG 3,000 psi WALL 3,500 psi SLAB 3,500 psi SUS-SLAB 7 SACK MIX

 $= 240 \# / \oplus' (TL)$  $\frac{W_1 * L^2}{14} \longrightarrow 27,206 \#-in$ M max= 40,000 \* 0.2  $\frac{y}{*b} = \frac{0.22"}{0.85 * 3,500 * 12} = 0.22"$  $0.85 * f_c * b$ 

... Use #4 @ 12" OC EW

12'-6" (+/—) MODULE

GARAGE SLAB:

 $\phi M_N = *\phi A * f(d - a/2)$ = 0.9(0.2)(40000)(4-0.22/2)= 28,008 #-in > 27,206 (OKAY)

100 # / ф ' (LL)

67 # /中'(DL)

 $w_u = 1.2(DL) + 1.6(LL)$ 

 $\phi M_N = *\phi A * f(d - a/2)$ = 0.9(0.2)(40000)(4-0.22/2)

> ∴ Use #4 @ 12" OC EW 15'-6" (+/—) MODULE

#### <u>DIVISION 6</u> — ROUGH CARPENTRY

L

1. ALL ROUGH CARPENTRY WORK SHALL CONFORM TO THE REQUIREMENTS OF NFPA "NATIONAL DESIGN SPECIFICATION OF WOOD CONSTRUCTION", TPI "DESIGN SPECIFICATIONS FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES", APA "PLYWOOD DESIGN SPECIFICATIONS", DOC PS 1 "PRODUCT STANDARD FOR CONSTRUCTION AND INDUSTRIAL PLYWOOD", DOC PS 56 "STRUCTURAL GLUED LAMINATED TIMBER", AND APPLICABLE SECTIONS OF THE INTERNATIONAL BUILDING CODE.

2. ROUGH CARPENTRY MATERIALS SHALL COMPLY WITH: A) LUMBER - S4S, S-DRY, KD, OR S-GRN GRADE MARKED, COMPLYING WITH PS 20, GRADED UNDER WWPA OR SPIB RULES: STUDS: STUD GRADE HEADER: #2 DOUGLAS FIR MIN TYPICAL

RAFTER: #2 DOUGLAS FIR PLATES: #2 DOUGLAS FIR BLOCKING: #2 DOUGLAS FIR

B) METAL FRAMING FASTENERS - ASTM A 153, HOT-DIP GALVANIZED FASTENERS; EQUAL TO SIMPSON STRONG-TIE CONNECTORS COMPLYING WITH APPLICABLE ICC-ES REPORTS. C) PLYWOOD - APA RATED SHEATHING, COMPLYING TO PS 1. D) LVL - LAMINATED VENEER LUMBER SHALL BE GRADE 2800

F-2.0E AND SHALL MEET THE REQUIREMENTS OF APPLICABLE

ICC-ES REPORTS. E) GLULAM BEAMS - COMBINATION 24F-V3 IN ACCORDANCE WITH AITC A190.1

3. EXTERIOR WALL AND ROOF SHEATHING SHALL BE 7 APA RATED SHEATHING 24/0 EXTERIOR GLUED (MIN) FOR 16" OC STUD SPACING NAIL SHEATHING TO SUPPORT MEMBERS WITH 8D COMMON NAILS AT 6" ON CENTER ALONG EDGE SUPPORTS AND 12" ON CENTER ALONG FIELD SUPPORTS UNLESS NOTED OTHERWIDE, PROVIDE SOLID BLOCKING AT ALL UNSUPPORTED PANEL EDGES; 4/8 GUN NAILS.

NOTE: ROOF SHEATHING SHALL BE \$" APA RATED SHEATHING FOR TILE ROOF, OR AS REQUIRED BY MANUFACTURER.

4. INTERIOR SHEAR WALL SHEATHING WHERE NOTED SHALL BE 7 APA RATED SHEATHING 24/0 EXTERIOR GLUED (MIN) FOR 16" OC STUD SPACING. NAIL SHEATHING TO SUPPORT MEMBERS WITH 8D COMMON NAILS AT 4" ON CENTER ALONG EDGE SUPPORTS AND 6" ON CENTER ALONG FIELD SUPPORTS UNLESS NOTED OTHERWISE, PROVIDE SOLID BLOCKING AT ALL UNSUPPORTED PANEL EDGES.

5. ATTACH METAL FRAMING FASTENERS TO FRAMING MEMBERS WITH MINIMUM NUMBER AND SIZE OF NAILS LISTED IN THE APPLICABLE ICC-ES REPORTS.

6. WOOD TRUSS SYSTEM; TRUSS JOIST SYSTEM AND GLULAM SYSTEM FOR ROOFS: A) DESIGN, FABRICATE, AND ERECT IN ACCORDANCE WITH BCSI

STANDARDS AND NDS SPECIFICATIONS. B) DESIGN LOADS: 25 PSF SNOW LIVE LOAD

10 PSF DEAD LOAD TOP CHORD (20 TILE) 10 PSF DEAD LOAD BOTTOM CHORD

C) SUBMIT SHOP DRAWINGS, INCLUDING DESIGN CALCULATIONS, MATERIAL STRESSES, GRADE AND SPECIES OF WOOD, AND PLACEMENT DRAWING.

7. DEFAULT HEADER SIZE NOT SPECIFIED SPANNING 8'-0" MAX SHALL BE 2 - 2 X 10 #2, WITH 2 STUD SUPPORT.

8. ALL HEADERS OVER 4'-0" SHALL HAVE DOUBLE TRIMMER @ EACH SUPPORT, OR AS SPECIFIED, UNO.

WALLS AS NOTED ON PLANS.

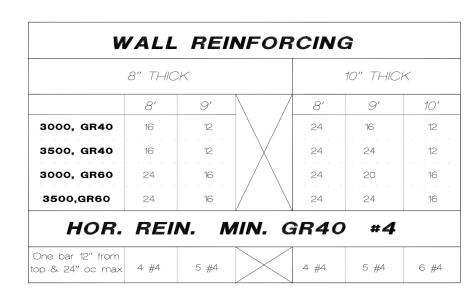
9. SOLID BLOCKING BETWEEN JOISTS @ 36" OC FOR JOISTS PARALLEL TO THE EXTERIOR FOUNDATION WALL, MIN. 48" OR 3 JOIST SPACES.

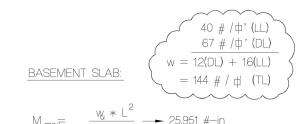
10. ALL FLUSH FRAMING @ HEADERS OR GIRDERS SHALL BE HANGERED. 11. BLOCK BETWEEN JOISTS @ SUPPORTS OR OVER BEAMS.

12. RATED CONSTRUCTION FOR PROJECTIONS INTO SETBACKS AS REQ'D.

13. DOUBLE JOIST BELOW PARALLEL NONBEARING WALLS ON LAYOUT, SINGLE JOIST OFF LAYOUT. STRUCTURE BELOW LOAD-BEARING

## FOUNDATION PER JOCOBO RESIDENTIAL FOUNDATION GUIDELINE

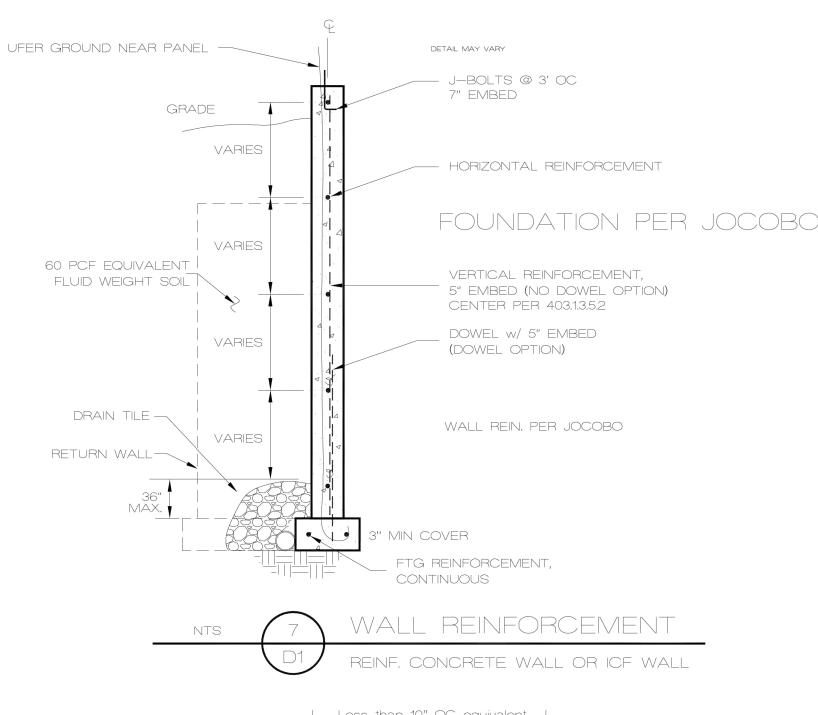


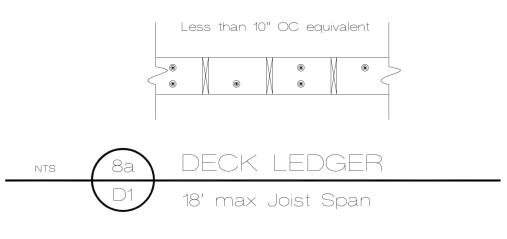


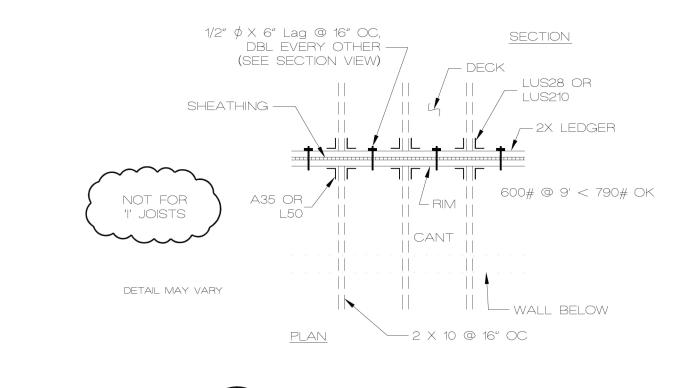
<u>W<sub>4</sub> \* L<sup>2</sup></u> → 25,951 #-in

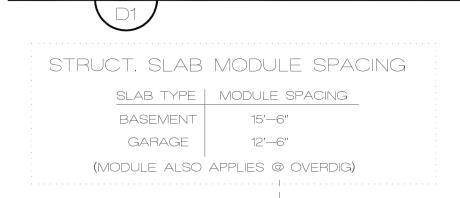
40,000 \* 0.2

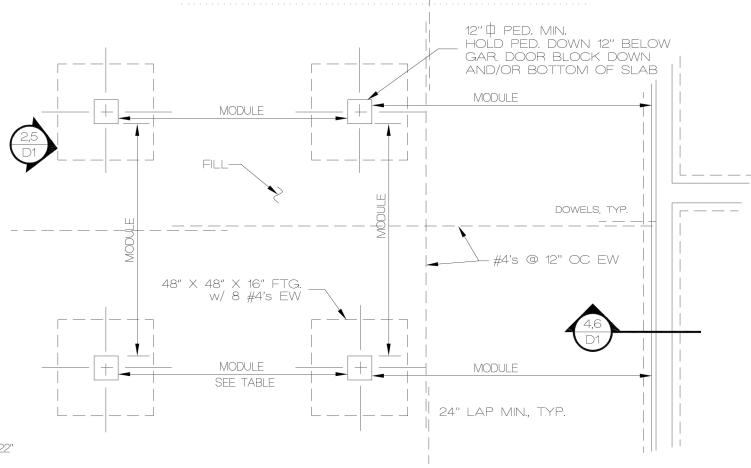
= 28,008 #-in > 25,951 (OKAY)











STRUCTURAL SLAB ON FILL

DO NOT SAW CUT STRUCTURAL SLABS W/o APPROVAL VERIFY ALL STRUCTURAL SLAB DETAILS W/ ENGINEER DO NOT ISOLATE COLUMNS FROM STRUCTURAL SLABS



ISSUE DATE

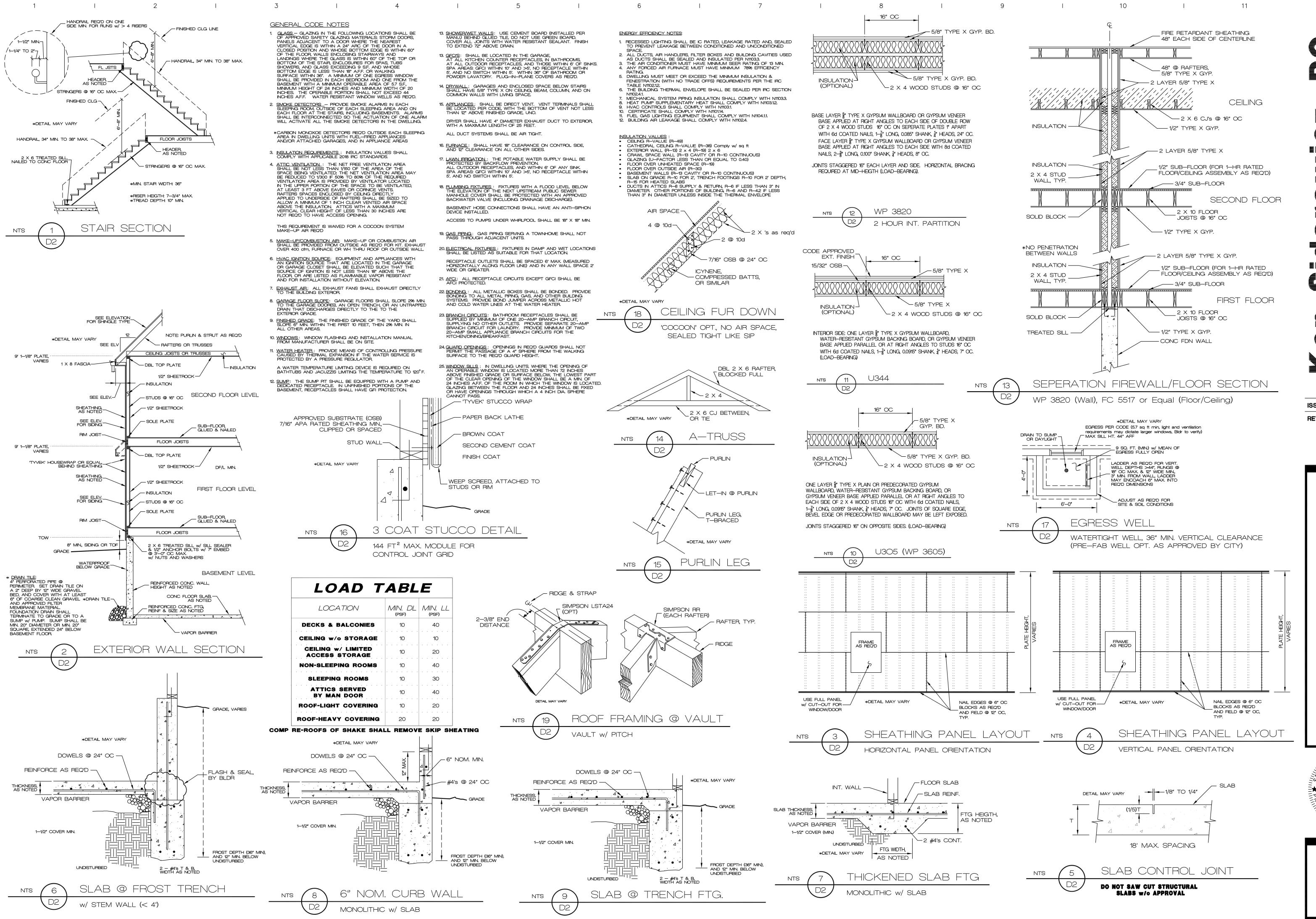
REVISIONS

 $\tilde{\mathbf{Q}}$ 

e 0

11/2/15

DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI 12/23/2024 2:49:52



ISSUE DATE **REVISIONS** 

KENNETH SIDOROWICZ NUMBER / E-19986

**D**2

**DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI** 

12/23/2024 2:49:52

### STAPLES NOT PERMITTED IN KCMO

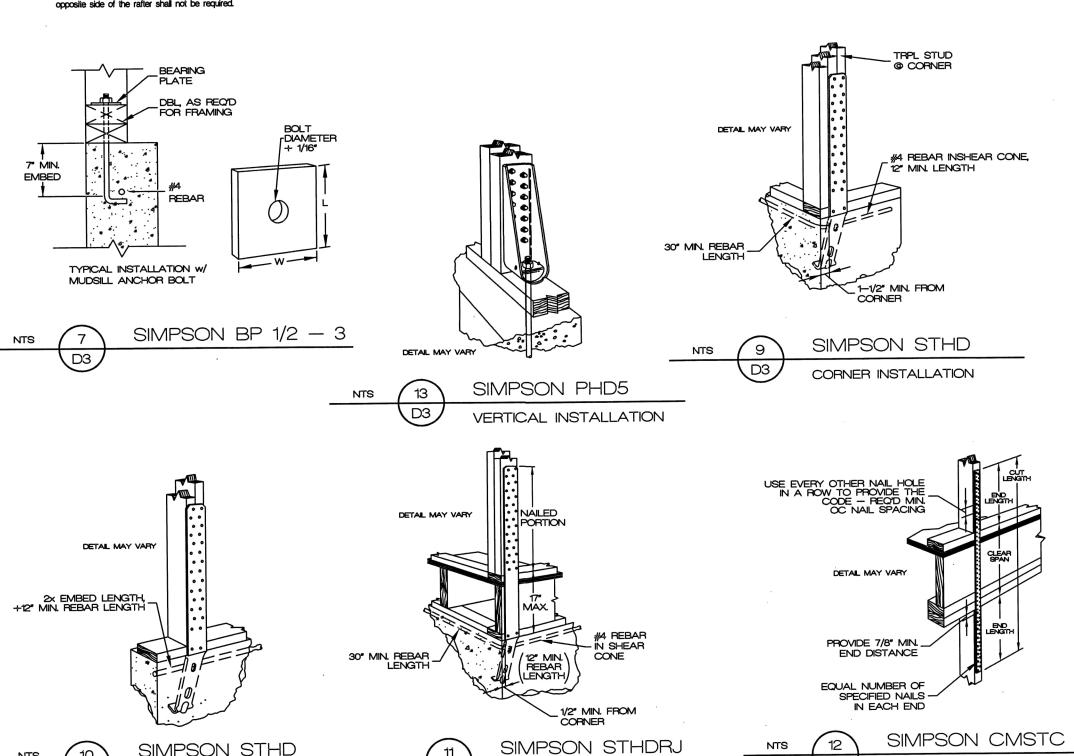
14				MEMBERS
ltem	Description of building ele	ements	Number & type of fastener (notes: a, b, o)	Spacing of fasteners
of				
<u>.</u>	Blocking between joists or rafters to to	op plate, toe nail	3-8d (2-1/2" x 0.113")	<del></del>
 2	Ceiling joists to plate, toe nail		3-8d (2-1/2" x 0.113")	<del>.</del>
. <u>-</u>	Ceiling joists not attached to parallel r	after, laps over partitions, face nail	3-10d	<del>.</del>
4	Collar tie rafter, face nail or 1-1/4" x 2	20 ga. ridge strap	3-10d (3" × 0.128")	<del>.</del>
5	Rafter to plate, toe nail, note trusses u	use STC clips at NLB walls and spec'd holdowns	3-16d or 3-10d (3-1/2" x 0.135", 0.148")	2 toe nails side 1, 1 toe nail side 2 (note j)
6	Roof rafters to ridge, valley or hip raft	ters:		-
	Toe nail:		4-16d (3-1/2" x 0.135")	<del>-</del>
	Face nail:		3-16d (3-1/2" × 0.135")	
			10 1 10 1 0 (00°)	24* 00
.7	Built-up studs-face nail		10d (3" × 0.128") 16d (3-1/2" × 0.135")	24" o.c
. <mark>8</mark>	Abutting studs at intersecting wall cor	ners, face nail	16d (3-1/2" × 0.135")	16" o.c. along each edge
.9	Built-up header, two pieces w/ 1/2" s		16d (3-1/2" × 0.135")	16" o.c. along each edge
.10	Continued header, two pieces		4-8d (2-1/2" × 0.113")	
.11 .12	Continuous header to stud, toe nail  Double studs, face nail		10d (3° × 0.128°)	24° o.c.
.12 13	Double study, face hair		10d (3" × 0.128")	24" o.c.
.5 14	Double top plates, min. 48" offset of e	end joints, face nail in lapped area	8-16d (3-1/2" × 0.135")	<del>.</del>
.r 15	Sole plate to joist or blocking, face na	ail	16d (3-1/2" × 0.135")	16" o.c.
16	Sole plate to joist or blocking at brac	ed wall panels	3-16d (3-1/2" × 0.135")	16° o.c.
17	Stud to sole plate, toe nail		3-8d (2-1/2" x 0.113") or	<del>-</del>
	.1		2—16d (3—1/2" × 0.135")	<u>.</u>
18	Top or sole plate to stud, end nail		2-16d (3-1/2" × 0.135") 2-10d (3" × 0.128")	· <u>-</u>
19	Top plates, laps at corners and inters		2-10d (3 × 0.125) 2-8d (2-1/2" × 0.113")	
20	1" brace to each stud and plate, face	e nail	2 staples 1-3/4"	· · · · · · · · · · · · · · · · · · ·
	at Of abandhing to each bearing for	oo naii	2-8d (2-1/2" × 0.113")	<del>-</del> , , , , , , , , , , , , , , , , , , ,
.21	1" x 6" sheathing to each bearing, fac	ze nam	2 staples 1-3/4°	· · · · · · · · · · · · · · · · · · ·
22	1" x 8" sheathing to each bearing, fac	ce nail	2-8d (2-1/2" × 0.113")	<del>.</del>
<i></i>			3 staples 1-3/4"	<u> </u>
23	Wider than 1" x 8" sheathing to each	bearing, face nail	3—86cbi(2p1662°1×3(041°13°)	<del>-</del>
or	•			
24	Joist to sill or girder, toe nail		3-8d (2-1/2" × 0.113")	<del></del> ,
25	Rim joist to top plate, toe nail (roof a	pplications also)	8d (2-1/2" × 0.113")	6° ac.
26	Rim joist or blocking to sill plate, toe		8d (2-1/2" x 0.113")	
27	1" x 6" subfloor or less to each joist,	face nail	2-8d (2-1/2" x 0.113")	<b>-</b>
			2 staples 1-3/4" 2-16d (3-1/2" x 0.135")	<u>.</u>
.28	2" subfloor to joist of girder, blind and		2-16d (3-1/2" × 0.135")	@ each bearing
29 30	2" planks (plank & beam - floor and Built-up girders and beams, 2" lumb		10d (3" × 0.128")	Nail each layer as follows: 32" o.c. at top
30	Built—up girders and bearris, 2 idinib	e layers	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	and bottom and staggered. Two nails at ends
			1	and at each splice
31	Ledger strip supporting joists or rafte	rs	3-16d (3-1/2" x 0.135")	@ each joist or rafter
			Spacing of	Fasteners
				Intermediate supports (inches)
	Description of building	Description of fastener	Edges (inches)	(notes: c, e)
	materials	(notes: b, c, e)	(0000 1)	(HOICES, C, E)
			(note: i)	
od structi		vall sheathing to framing and particleboard wall sheath	ing to framing	10 (note: a)
od structi 32		6d common (2" x 0.113") nail (subfloor, wall) (note j)		12 (note: g)
32	stural panels, subfloor, roof and interior w	6d common (2" x 0.113") nail (subfloor, wall) (note j) 8d common (2-1/2" x 0.131") nail (roof)	ing to framing	
32	tural panels, subfloor, roof and interior w  3/8" to 1/2"  19/32" to 1"	6d common (2" x 0.113") nail (subfloor, wall) (note j) 8d common (2-1/2" x 0.131") nail (roof) 8d common nail (2-1/2" x 0.131")	ing to framing	12 (note: g)  12 (note: g)  12 (12 (note: g)
32	stural panels, subfloor, roof and interior w	6d common (2" x 0.113") nail (subfloor, wall) (note j) 8d common (2-1/2" x 0.131") nail (roof) 8d common nail (2-1/2" x 0.131") 10d common (3" x 0.148") nail or	ing to framing	12 (note: g)
32 33 34	tural panels, subfloor, roof and interior w 3/8" to 1/2" 19/32" to 1" 1-1/8" to 1-1/4"	6d common (2" x 0.113") nail (subfloor, wall) (note j) 8d common (2-1/2" x 0.131") nail (roof) 8d common nail (2-1/2" x 0.131")	ing to framing	12 (note: g)
32 33 34 er wall s	stural panels, subfloor, roof and interior w  3/8" to 1/2"  19/32" to 1"  1-1/8" to 1-1/4"  sheathing (note h)	6d common (2" x 0.113") nail (subfloor, wall) (note j) 8d common (2-1/2" x 0.131") nail (roof) 8d common nail (2-1/2" x 0.131") 10d common (3" x 0.148") nail or 8d deformed (2-1/2" x 0.131") nail	ing to framing	12 (note: g)
32 33 34	sheathing (note h)  1/2" structural panels, subfloor, roof and interior w  19/32" to 1"  1-1/8" to 1-1/4"	6d common (2" x 0.113") nail (subfloor, wall) (note j) 8d common (2-1/2" x 0.131") nail (roof) 8d common nail (2-1/2" x 0.131") 10d common (3" x 0.148") nail or 8d deformed (2-1/2" x 0.131") nail 1-1/2" galv. roofing nail, 7/16" crown or	fing to framing  6  6  6  6	12 (note: g) 12
32 33 34 er wall s	sheathing (note h)  3/8" sto 1/2"  19/32" to 1"  1-1/8" to 1-1/4"  sheathing (note h)	6d common (2" x 0.113") nail (subfloor, wall) (note j) 8d common (2-1/2" x 0.131") nail (roof) 8d common nail (2-1/2" x 0.131") 10d common (3" x 0.148") nail or 8d deformed (2-1/2" x 0.131") nail	fing to framing  6  6  6  6	12 (note: g) 12
32 33 34 er wall s	sheathing (note h)    3/8" structural cellulosic fiberboard sheathing (25/32" structural cellulosic	6d common (2" x 0.113") nail (subfloor, wall) (note j) 8d common (2-1/2" x 0.131") nail (roof) 8d common nail (2-1/2" x 0.131") 10d common (3" x 0.148") nail or 8d deformed (2-1/2" x 0.131") nail  1-1/2" galv. roofing nail, 7/16" crown or 1" crown staple 16 ga. 1-1/4" long	fing to framing  6  6  6  6	12 (note: g) 12 12
32 .33 .34 er wall s	sheathing (note h)  3/8" sto 1/2"  19/32" to 1"  1-1/8" to 1-1/4"  sheathing (note h)	6d common (2" x 0.113") nail (subfloor, wall) (note j) 8d common (2-1/2" x 0.131") nail (roof) 8d common nail (2-1/2" x 0.131") 10d common (3" x 0.148") nail or 8d deformed (2-1/2" x 0.131") nail  1-1/2" galv. roofing nail, 7/16" crown or 1" crown staple 16 ga, 1-1/4" long 1-3/4" galv. roofing nail, 7/16" crown or	fing to framing  6  6  6  6	12 (note: g) 12
32 	sheathing (note h)  1/2" structural cellulosic fiberboard sheathing  15/32" structural cellulosic fiberboard sheathing  15/32" structural cellulosic fiberboard sheathing	6d common (2" x 0.113") nail (subfloor, wall) (note j) 8d common (2-1/2" x 0.131") nail (roof) 8d common nail (2-1/2" x 0.131") 10d common (3" x 0.148") nail or 8d deformed (2-1/2" x 0.131") nail  1-1/2" galv. roofing nail, 7/16" crown or 1" crown staple 16 ga, 1-1/4" long 1-3/4" galv. roofing nail, 7/16" crown or 1" crown staple 16 ga, 1-1/2" long 1-1/2" galvanized roofing nail, staple galv, 1-1/2" long; 1-1/4" screws, Type W or S	fing to framing  6  6  6  6	12 (note: g) 12
32 33 34 er wall s 35	sheathing (note h)  1/2" structural cellulosic fiberboard sheathing  15/32" structural cellulosic fiberboard sheathing  15/32" structural cellulosic fiberboard sheathing	6d common (2" x 0.113") nail (subfloor, wall) (note j) 8d common (2-1/2" x 0.131") nail (roof) 8d common nail (2-1/2" x 0.131") 10d common (3" x 0.148") nail or 8d deformed (2-1/2" x 0.131") nail  1-1/2" galv. roofing nail, 7/16" crown or 1" crown staple 16 ga, 1-1/4" long 1-3/4" galv. roofing nail, 7/16" crown or 1" crown staple 16 ga, 1-1/2" long 1-1/2" galvanized roofing nail, staple galv, 1-1/2" long; 1-1/4" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv,	fing to framing  6  6  6  6	12 (note: g) 12
32 33 34 er wall s 35 36 37	sheathing (note h)  1/2" structural cellulosic fiberboard sheathing 1/2" structural cellulosic fiberboard sheathing 1/2" gypsum sheathing (note d)  5/8" gypsum sheathing (note d)	6d common (2" x 0.113") nail (subfloor, wall) (note j) 8d common (2-1/2" x 0.131") nail (roof) 8d common nail (2-1/2" x 0.131") nail or 8d deformed (2-1/2" x 0.131") nail or 8d deformed (2-1/2" x 0.131") nail  1-1/2" galv. roofing nail, 7/16" crown or 1" crown staple 16 ga, 1-1/4" long 1-3/4" galv. roofing nail, 7/16" crown or 1" crown staple 16 ga, 1-1/2" long 1-1/2" galvanized roofing nail, staple galv, 1-1/2" long; 1-1/4" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1-5/8" long; 1-5/8" screws, Type W or S	fing to framing  6  6  6  6	12 (note: g) 12
32 33 34 er wall s 35 36 37	sheathing (note h)  1/2" structural cellulosic fiberboard sheathing 25/32" structural cellulosic fiberboard sheathing 1/2" gypsum sheathing (note d)	6d common (2" x 0.113") nail (subfloor, wall) (note j) 8d common (2-1/2" x 0.131") nail (roof) 8d common nail (2-1/2" x 0.131") nail or 8d deformed (2-1/2" x 0.131") nail or 8d deformed (2-1/2" x 0.131") nail  1-1/2" galv. roofing nail, 7/16" crown or 1" crown staple 16 ga, 1-1/4" long 1-3/4" galv. roofing nail, 7/16" crown or 1" crown staple 16 ga, 1-1/2" long 1-1/2" galvanized roofing nail, staple galv, 1-1/2" long; 1-1/4" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1-5/8" long; 1-5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1-5/8" long; 1-5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1-5/8" long; 1-5/8" screws, Type W or S	6	6 6 7
32 33 34 er wall s 35 36 37	sheathing (note h)  1/2" structural cellulosic fiberboard sheathing 1/2" structural cellulosic fiberboard sheathing 1/2" gypsum sheathing (note d)  5/8" gypsum sheathing (note d)	6d common (2" x 0.113") nail (subfloor, wall) (note j) 8d common (2-1/2" x 0.131") nail (roof) 8d common nail (2-1/2" x 0.131") 10d common (3" x 0.148") nail or 8d deformed (2-1/2" x 0.131") nail  1-1/2" galv. roofing nail, 7/16" crown or 1" crown staple 16 ga, 1-1/4" long 1-3/4" galv. roofing nail, 7/16" crown or 1" crown staple 16 ga, 1-1/2" long 1-1/4" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1-5/8" long; 1-5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1-5/8" long; 1-5/8" screws, Type W or S 1-3/9" long; 1-5/9" l	fing to framing  6  6  6  6	12 (note: g) 12
32 33 34 er wall s 35 36 37 38	sheathing (note h)  1/2" structural cellulosic fiberboard sheathing 1/2" structural cellulosic fiberboard sheathing 1/2" gypsum sheathing (note d)  5/8" gypsum sheathing (note d)	6d common (2" x 0.113") nail (subfloor, wall) (note j) 8d common (2—1/2" x 0.131") nail (roof) 8d common nail (2—1/2" x 0.131") nail or 8d deformed (2—1/2" x 0.131") nail or 8d deformed (2—1/2" x 0.131") nail  1—1/2" galv. roofing nail, 7/16" crown or 1" crown staple 16 ga, 1—1/4" long 1—3/4" galv. roofing nail, 7/16" crown or 1" crown staple 16 ga, 1—1/2" long 1—1/2" galvanized roofing nail, staple galv, 1—1/2" long; 1—1/4" screws, Type W or S 1—3/4" galvanized roofing nail; staple galv, 1—5/8" long; 1—5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1—5/8" long; 1—5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1—5/8" long; 1—5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1—5/8" long; 1—5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1—5/8" long; 1—5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1—5/8" long; 1—5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1—5/8" long; 1—5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1—5/8" long; 1—5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1—5/8" long; 1—5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1—5/8" long; 1—5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1—5/8" long; 1—5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1—5/8" long; 1—5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1—5/8" long; 1—5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1—5/8" long; 1—5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1—5/8" long; 1—5/8" screws, Type W or S 1-3/4" long	6	6 6 7
32 33 34 er wall s 35 36 37 38	sheathing (note h)  1/2" structural cellulosic fiberboard sheathing 25/32" structural cellulosic fiberboard sheathing 1/2" gypsum sheathing (note d)  5/8" gypsum sheathing (note d)	6d common (2" x 0.113") nail (subfloor, wall) (note j) 8d common (2-1/2" x 0.131") nail (roof) 8d common nail (2-1/2" x 0.131") 10d common (3" x 0.148") nail or 8d deformed (2-1/2" x 0.131") nail  1-1/2" galv. roofing nail, 7/16" crown or 1" crown staple 16 ga, 1-1/4" long 1-3/4" galv. roofing nail, 7/16" crown or 1" crown staple 16 ga, 1-1/2" long 1-1/2" galvanized roofing nail, staple galv, 1-1/2" long; 1-1/4" screws, Type W or S 1-3/4" galvanized roofing nail, staple galv, 1-5/8" long; 1-5/8" screws, Type W or S rlayment to framing  6d deformed (2" x 0.120") nail or 8d common (2-1/2" x 0.131") nail 8d common (2-1/2" x 0.131") nail	6	6 6 7
32 33 34 er wall s 35 36 37 38 od struct	sheathing (note h)  1/2" structural cellulosic fiberboard sheathing 1/2" structural cellulosic fiberboard sheathing 1/2" gypsum sheathing (note d)  5/8" gypsum sheathing (note d)	6d common (2" x 0.113") nail (subfloor, wall) (note j) 8d common (2—1/2" x 0.131") nail (roof) 8d common nail (2—1/2" x 0.131") nail or 8d deformed (2—1/2" x 0.131") nail or 8d deformed (2—1/2" x 0.131") nail  1—1/2" galv. roofing nail, 7/16" crown or 1" crown staple 16 ga, 1—1/4" long 1—3/4" galv. roofing nail, 7/16" crown or 1" crown staple 16 ga, 1—1/2" long 1—1/2" galvanized roofing nail, staple galv, 1—1/2" long; 1—1/4" screws, Type W or S 1—3/4" galvanized roofing nail; staple galv, 1—5/8" long; 1—5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1—5/8" long; 1—5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1—5/8" long; 1—5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1—5/8" long; 1—5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1—5/8" long; 1—5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1—5/8" long; 1—5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1—5/8" long; 1—5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1—5/8" long; 1—5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1—5/8" long; 1—5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1—5/8" long; 1—5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1—5/8" long; 1—5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1—5/8" long; 1—5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1—5/8" long; 1—5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1—5/8" long; 1—5/8" screws, Type W or S 1-3/4" galvanized roofing nail; staple galv, 1—5/8" long; 1—5/8" screws, Type W or S 1-3/4" long	6	6 6 7

1 3 1 4

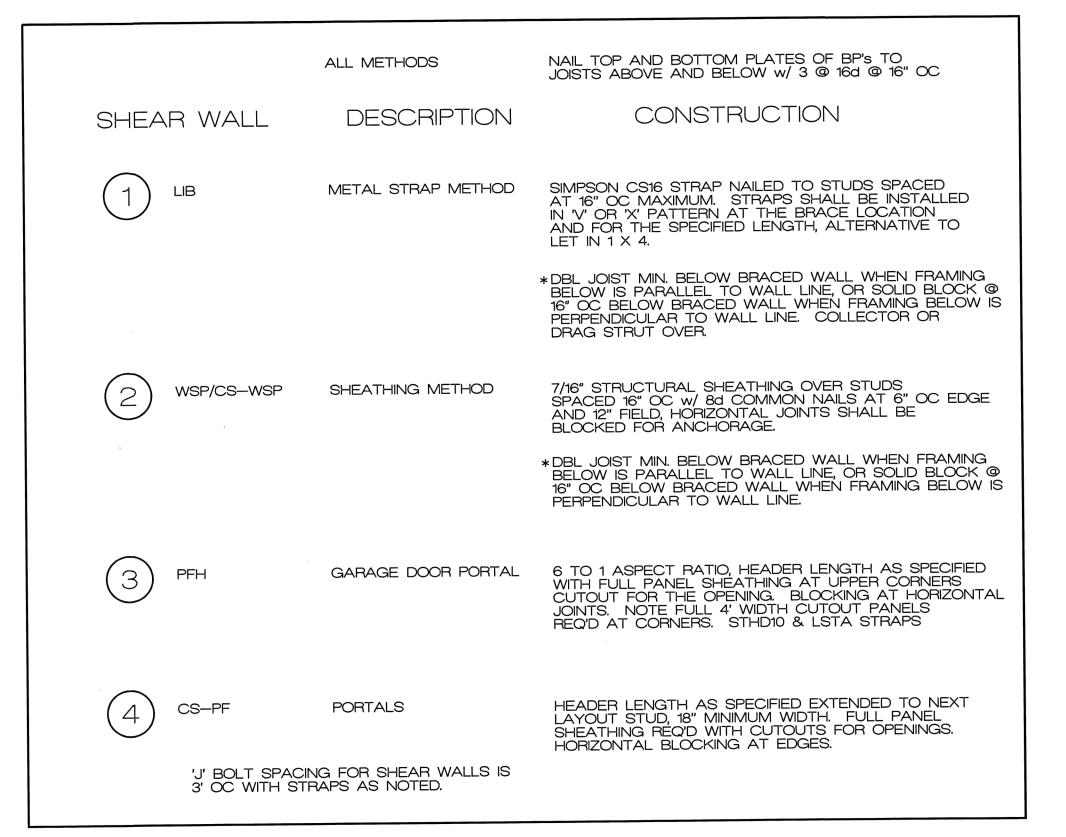
For St 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 mile per hour = 0.447 m/s; 1 ksi = 6.895 MPa

EDGE INSTALLATION

- a. All nails are smooth-common, box or deformed shanks except where otherwise stated. Nails used for framing and sheathing connections shall have minimum average bending yield strengths as shown: 80 ksi (551 MPa) for shank diameter of 0.192 inch (20d common nail), 90 ksi (620 MPa) for shank diameters larger than 0.142 inch but not larger than 0.177 inch, and 100 ksi (689 MPa) for shank diameters of 0.142 inch or less.
- Staples are 16 gage wire and have a minimum 7/16-inch on diameter crown width.
- Nails shall be spaced at not more than 6 inches on center at all supports where spans are 48 inches or greater. Four-foot-by-8-foot or 4-foot-by-9-foot panels shall be applied vertically.
- e. Spacing of fasteners not included in this table shall be verified w/ EOR.
- f. For regions having basic wind speed of #10 mph or greater, 8d deformed nails shall be used for attaching plywood and wood structural panel roof sheathing to framing within minimum 48-inch distance from gable end walls, if mean roof height is more than 25 feet, up to 35 feet maximum. g. For regions having basic wind speed of 100 mph or less, nails for attaching wood structural panel roof sheathing to gable endwall framing shall be spaced 6 inches on center. When basic wind speed is greater than 100 mph, nails for attaching
- panel roof sheathing to intermediate supports shall be spaced 6 inches on center for minimum 48-inch distance from ridges, eaves and gable end walls; and 4 inches on center to gable end wall framing.
- Gypsum shealthing shall conform to ASTMC 1396 and shall be installed in accordance with GA 253. Fiberboard shealthing shall conform to ASTM C 208. Spacing of fasteners on floor sheathing panel edges applies to panel edges supported by framing members and at all floor perimeters only. Spacing of fasteners on roof sheathing panel edges applies to panel edges supported by framing members and at all roof plane perimeters. Blocking of roof or floor sheathing panel edges perpendicular to the framing members shall not be required except at intersection of adjacent roof planes. Floor and roof perimeter shall be supported by
- Where a rafter is fastened to an adjacent parallel ceiling joist in accordance with this schedule, provide two toe nails on one side of the rafter and toe nails from the ceiling joist to top plate in accordance with this schedule. The toe nail on the
- opposite side of the rafter shall not be required.



RIM JOIST INSTALLATION



SHEAR WALL SCHEDULE

CONTINUOUSLY SHEATHED.
BRACED WALL LINE

END CONDITION 1

-48" MINIMUM BRACED WALL PAN AT END OF BRACED WALL LINE

END CONDITION 3 BRACED WALL LINE

10' MAX

CONTINUOUSLY SHEATHED

BRACED WALL LINE

CONTINUOUSLY SHEATHED
BRACED WALL LINE

BRACED WALL PANEL AT END OF SRACED WALL LINE

10' MAX FIRST BRACED WALL PANEL

24" for braced wall lines sheathed with

800 lbs capacity fastened to the edge of the braced wall panel closest to the corner and to the foundation or floor framing below

IF NEEDED, PANEL
SPLICE EDGES SHALL
OCCUR OVER AND BE
NAILED TO COMMON
BLOCKING WITHIN THE
MIDDLE 24" OF THE
PORTAL-LEG HEIGHT.
ONE ROW OF 3" O.C.
NAILING IS REQUIRED
IN EACH PANEL EDGE.

TYPICAL PORTAL FRAME CONSTRUCTION -

DEVICE (EMBEDDED INT CONCRETE AND NAILED

SECTION

turn panel: 24" for braced wall lines sheathed with

structural fiberboard

structural fiberboard

FIGURE R602.10.7
END CONDITIONS FOR BRACED WALL LINES WITH CONTINUOUS SHEATHING

EXTENT OF HEADER WITH SINGLE PORTAL FRAME
(ONE BRACED WALL PANEL)

2'-18' FINISHED WIDTH OF OPENING FOR SINGLE OR DOUBLE PORTAL

MIN. 3"x11%" NET HEADER STEEL HEADER PROHIBITEL IF %" SPACER IS USED, PLACE ON BACK-SIDE OF HEADE

FASTEN SHEATHING TO HEADER WITH 80 COMMON OR GALVANIZED BOX NAILS IN 3" GRID PATTERN AS SHOWN

- HEADER TO JACK-STUD STRAP PER TABLE \_\_\_\_\_ R602.10.6.4 ON BOTH SIDES OF OPENING OPPOSITE SIDE OF SHEATHING

MIN. DOUBLE 21/4 FRAMING COVERED WITH MIN. N/4 THICK WOOD STRUCTURAL PANEL SHEATHING WITH 8D COMMON OR GALVANIZED BOX NAILS AT 3" O.C. IN ALL FRAMING (STUDS, BLOCKING, AND

MIN. LENGTH OF PANEL PER TABLE RE02.10.5

MIN. (2) 3500 LB STRAP-TYPE HOLD-DOWNS (EMBEDDED INTO CONCRETE AND NAILED INTO

p different the ep dis a Date als ap als a Date als als als als

MIN. FOOTING SIZE UNDER OPENING IS 12"X12". A TURNED-DOWN SLAB SHALL BE PERMITTED AT DOOR OPENINGS.

FIGURE R602.10.6.2

METHOD PFH—PORTAL FRAME WITH HOLD-DOWNS

--- MIN. (1) 1/4" DIAMETER ANCHOR BOLT INSTALLED PER SECTION R403.1.5 - WITH 2"x 2" x3/6" PLATE WASHER

FRONT ELEVATION

----- EXTENT OF HEADER WITH DOUBLE PORTAL FRAMES (TWO BRACED WALL PANELS) ----

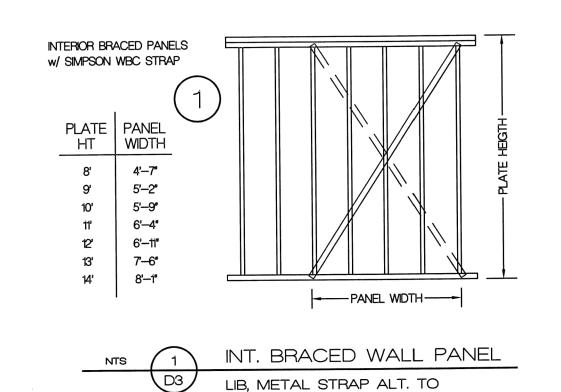
SEE REQUIREMENTS END CONDITION 4

END CONDITION 2

CONTINUOUSLY SHEATHED

1 8

LOCATION	MIN. DL (PSF)	MIN. LL (PSF)
EXTERIOR BALCONIES	10	60
DECKS	10	40
CEILING w/o STORAGE	5	10
CEILING W/ STORAGE	10	20
NON-SLEEPING ROOMS	10	40
SLEEPING ROOMS	10	30
ROOF-LIGHT COVERING	10	25
ROOF-HEAVY COVERING	20	25



LET IN 1 X 4

2018 International Residential Code Third Printing: Sep 2019

11

# CHAPTER 6 WALL CONSTRUCTION EXTENT OF HEADER WITH SINGLE PORTAL FRAME (ONE BRACED WALL PANEL) 2'-18' FINISHED WIDTH OF OPENING FOR SINGLE OR DOUBLE PORTAL MIN. 3"x11%" NET HEADER STEEL HEADER PROHIBITED IF %" SPACER IS USED, PLACE ON BACK-SIDE OF HEADER PANELS - FASTEN SHEATHING TO HEADER WITH 8D COMMON OR GALVANIZED BOX NAILS IN 31 GRID PATTERN AS SHOWN HEADER TO JACK-STUD STRAP PER TABLE —— R602.10.6.4 ON BOTH SIDES OF OPENING

FRONT ELEVATION

DIGITAL CODES

MIN. (2) 1/3" DIAMETER ANCHOR BOLTS INSTALLED PER SECTION R403.1.6 WITH R602.7(1) & (2) 2'x2"x"/:6' PLATE WASHER OVER CONCRETE OR MASONRY BLOCK FOUNDATION (2) FRAMING ANCHORS APPLIED ACROSS SHEATHING JOINT WITH A CAPACITY OF 670 LBS IN WOOD STRUCTURAL PANEL SHEATHING TO TOP OF BAND NAIL SOLE PLATE TH THE HORIZONTAL AND VERTICAL DIRECTIONS APPROVED BAND

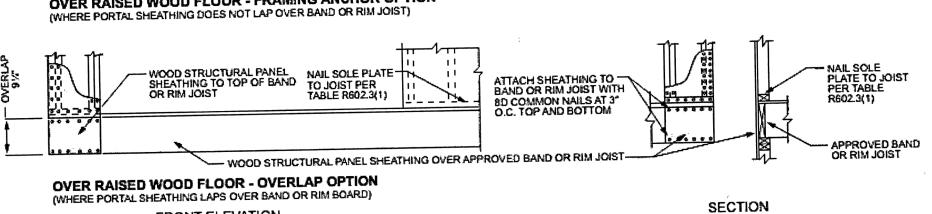


FIGURE R602.10.6.4 METHOD CS-PF—CONTINUOUSLY SHEATHED PORTAL FRAME PANEL CONSTRUCTION

CONTINUOUSLY SHEATHED BRACED WALL PANEL MEETING MINIUM LENGTH REQUIREMENTS OF TABLE R602.10.5 ----- EXTENT OF HEADER WITH DOUBLE PORTAL FRAMES (TWO BRACED WALL PANELS) FASTEN KING STUD TO HEADER WITH 6 16D SINKERS PONY WALL . BRACED WALL LINE
-CONTINUOUSLY SHEATHED
WITH WOOD STRUCTURAL IF NEEDED, PANEL SPLICE EDGES SHALL OCCUR OVER AND BE NAILED TO COMMON BLOCKING WITHIN THE ROWS OF 16D MIDDLE 24" OF THE PORTAL- LEG HEIGHT. ONE ROW OF 3" O.C. SINKER NAILS AT 3" O.C. TYP. OPPOSITE SIDE OF SHEATHING VAILING IS REQUIRED IN EACH PANEL EDGE. MIN. 1/6" WOOD STRUCTURAL - MIN, DOUBLE 2"x4" FRAMING COVERED WITH MIN. MIN. DOUBLE 2 M FRAMING.

THICK WOOD STRUCTURAL PANEL SHEATHING.
WITH 8D COMMON OR GALVANIZED BOX NAILS AT
3' O.C. IN ALL FRAMING (STUDS,
BLOCKING, AND SILLS) TYP. TYPICAL PORTAL FRAME CONSTRUCTION --MIN. DOUBLE 2x4 POST (KING AND JACK STUD) NUMBER OF JACK STUDS PER TABLES MIN. LENGTH OF PANEL PER TABLE R602.10.5

WOOD STRUCTURAL PANEL SHEATHING OVER APPROVED BAND OR RIM JOIST-OR RIM JOIST OVER RAISED WOOD FLOOR - FRAMING ANCHOR OPTION

0 0 0

ISSUE DATE

**REVISIONS** 

0

TE OF MISSO ---KENNETH SIDOROWICZ NUMBER E-19986 12/15/24

AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES **LEE'S SUMMIT, MISSOURI** 12/23/2024 2:49:52