SLOT LENGTH NOT TO EXCEED 1-3/4" IF A STANDARD CUT WASHER IS PLACED BETWEEN THE PLATE

BOTTOM PLATE ON THE SHEATHED SIDE OF THE SHEAR WALL. SHEAR WALL SILL PLATES SHALL BE

ANCHORED TO THE FOUNDATION WITH A MINIMUM OF 2 ANCHOR BOLTS PER PIECE WITH ONE BOLT

ANCHOR BOLTS FOR INTERIOR SHEAR WALLS SHALL BE SIMPSON STRONG-BOLTS, SIMPSON TITEN HD.

OR HILTI KWIK BOLT TZ ANCHORS OF THE SAME DIAMETER AND SPACING AS SPECIFIED IN THE ANCHOR BOLT SCHEDULE W/ 4-1/2" MINIMUM EMBEDMENT, INTERIOR SHEAR WALL ANCHOR BOLTS MAY ALSO BE

EPOXIED INTO CONCRETE WITH SIMPSON SET-XP OR HILTI-HIT-RE 500-SD EPOXY AND A MINIMUM 4-1/2"

WASHER AND THE NUT. PLATE WASHERS SHALL EXTEND TO WITHIN 1/2" OF THE EDGE OF THE

LOCATED NOT MORE THAN 12" OR LESS THAN 4" FROM EACH END OF EACH PIECE.

EMBEDMENT.

STRUCTURAL SHEET INDEX **PROJECT NOTES & SPECIFICATIONS** \$1.10 TYPICAL STRUCTURAL DETAILS S1.20 TYPICAL STRUCTURAL DETAILS S2.10 **FOUNDATION PLAN** \$3.10 FLOOR FRAMING PLAN S4.10 ROOF FRAMING PLAN S5.10 STRUCTURAL DETAILS S5.20 STRUCTURAL DETAILS S5.30 STRUCTURAL DETAILS STRUCTURAL CRITERIA **ANALYSIS ITEMS** GRAVITY LOADS (IBC 2012 TABLE 1607.1 & ASCE 7-10 TABLE C3-1) ROOF LIVE: ROOF DEAD: 25 PSF

PER ICC EVALUATION REPORT

EVALUATION #

#ESR-1771

#ESR-2713

#ESR-2508

#ESR-1917

#ESR-2322

#ESR-1358

#ESR-1056

#ESR-1396

...PER SOILS REPORT

ASTM F1554 GR. 36.

INTO THE SUBGRADE.

ALL LANDSCAPING AROUND THE HOME MUST BE GRADED AWAY FROM THE HOME AT A MINIMUM

GRADE OF 5% FOR THE FIRST 10 FEET OR AS FAR AS POSSIBLE TO MINIMIZE WATER INFILTRATION

.. IN CENTER OF SLAB

40 PSF (LIVING SPACE) 15 PSF
15 PSF
:
L/360
L/240
D240
L/360
L/240
D240
L/240
LL-10
D
D
П
1.00
6.5
3.0
4.0
LIGHT FRAMED WALLS SHEATHED W/ WOO! STRUCTURAL PANELS
CsW
0.0554
EQUIVALENT LATERAL FORCE
0.450
0.156
0.171
0.360

GENERAL NOTES

COMPONENTS & CLADDING DESIGN WIND LOADS TO BE PER ASCE 7-10

ULTIMATE WIND SPEED:

HT. AND EXPOSURE COEFF., λ

EXPOSURE

RISK CATEGORY

CONTRACTOR TO VERIFY ALL DIMENSIONS, SPANS, AND CONDITIONS WITH ARCHITECTURAL DRAWINGS. IF ANY OMISSIONS, MISTAKES, OR DISCREPANCIES ARE FOUND TO EXIST WITHIN THE CONSTRUCTION DRAWINGS, THE ENGINEER SHALL BE PROMPTLY NOTIFIED SO THAT HE MAY HAVE THE OPPORTUNITY TO TAKE WHATEVER STEPS NECESSARY TO RESOLVE THEM. FAILURE TO PROMPTLY NOTIFY THE ENGINEER OF SUCH CONDITIONS SHALL ABSOLVE THE ENGINEER FROM ANY RESPONSIBILITY FOR THE CONSEQUENCES OF SUCH A FAILURE.

115 MPH

1.32

IF DISCREPANCIES ARE FOUND, THE MORE STRINGENT SPECIFICATION SHALL BE FOLLOWED. CONTRACTOR RESPONSIBLE FOR ADEQUATE BRACING OF STRUCTURAL MEMBERS, WALLS, AND

NON-STRUCTURAL ITEMS DURING CONSTRUCTION. THE ENGINEER AND HIS CONSULTANTS DO NOT WARRANT OR GUARANTEE THE ACCURACY AND COMPLETENESS OF THE WORK HEREIN BEYOND A REASONABLE DILIGENCE. IF ANY OMISSIONS. MISTAKES, OR DISCREPANCIES ARE FOUND TO EXIST WITHIN THE WORK PRODUCT, THE ENGINEER SHALL BE PROMPTLY NOTIFIED SO THAT HE MAY HAVE THE OPPORTUNITY TO TAKE WHATEVER STEPS NECESSARY TO RESOLVE THEM. FAILURE TO PROMPTLY NOTIFY THE ENGINEER OF SUCH CONDITIONS SHALL ABSOLVE THE ENGINEER FROM ANY RESPONSIBILITY FOR THE CONSEQUENCES

MANY PORTIONS OF THESE DRAWINGS, NOTES AND SPECIFICATIONS ARE THE RESULT OF DEMANDS BY VARIOUS APPROVING AGENCIES THAT MUST BE PERFORMED AS PART OF THIS WORK. ANY ACTIONS TAKEN WITHOUT THE KNOWLEDGE AND CONSENT OF THE ENGINEER SHALL BECOME THE RESPONSIBILITY NOT OF THE ENGINEER, BUT OF THE PARTIES RESPONSIBLE FOR MAKING THE CHANGE AND TAKING ACTION TO DO SO. ACTIONS TAKEN WITHOUT THE KNOWLEDGE AND CONSENT OF THE ENGINEER OR THE CONTRADICTION TO THE ENGINEER'S WORK PRODUCT, THE INTENT, AND/OR RECOMMENDATIONS, SHALL BECOME THE RESPONSIBILITY NOT OF THE ENGINEER. BUT OF THE PARTIES RESPONSIBLE FOR TAKING SUCH ACTION. THE ENGINEER SHOULD BE CONTACTED IN MATTERS OF ANY AND ALL CHANGES TO THE DRAWINGS AND SPECIFICATIONS HEREIN WITHOUT EXCEPTION.

NON STRUCTURAL FRAMING REQUIREMENTS ARE NOT SPECIFIED ON STRUCTURAL DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR ANY ADDITIONAL FRAMING REQUIRED.

CONTRACTOR SHALL ASSURE THAT ALL PRODUCTS AND HARDWARE ARE USED PER MANUFACTURER'S RECOMMENDATIONS.

DEFERRED SUBMITTALS

FOR ALL DEFERRED SUBMITTAL ITEMS, CONTRACTOR SHALL SUBMIT CONSTRUCTION DETAILS AND DRAWINGS PRIOR TO CONSTRUCTION WITH CALCULATIONS STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS BEING

ALL DEFERRED SUBMITTAL ITEMS SHALL BE APPROVED BY THE ENGINEER OF RECORD AND

SUBMITTED TO THE CITY BUILDING DEPARTMENT PRIOR TO CONSTRUCTION. THE FOLLOWING ITEMS SHALL BE CONSIDERED AS DEFERRED SUBMITTAL ITEMS:

A. ENGINEERED WOOD ROOF TRUSSES **B. ENGINEERED WOOD FLOOR TRUSSES**

POST INSTALLED ANCHORS

POST INSTALLED ANCHORS REQUIRE SPECIAL INSPECTION AS STATED IN THE STATEMENT OF SPECIAL INSPECTIONS SECTION. COPIES OF SPECIAL INSPECTION REPORTS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL.

2. POST INSTALLED ANCHORS SHALL BE AS FOLLOWS: A. INSTALLED IN CONCRETE SIMPSON TITEN HD (3/8", 1/2", AND 3/4" DIAMETERS) - SIMPSON STRONG-BOLT

> - HILTI KWIK BOLT TZ SIMPSON SET-XP EPOXY · HILTI HIT-RE 500-SD EPOXY **B. INSTALLED IN MASONRY** - HILTI KWIK BOLT 3

DISTANCE AND MINIMUM SPACING REQUIREMENTS.

- SIMPSON TITEN HD - SIMPSON WEDGE-ALL INSTALLATION AND MIN. EMBEDMENT SHALL BE IN ACCORDANCE WITH SPECS. OR AS

SPECIFIED ON DRAWINGS, WHICH EVER IS GREATER. CONTRACTOR TO FOLLOW MANUFACTURERS REQUIREMENTS FOR INSTALLATION OF EXPANSION ANCHORS INCLUDING DRILL BIT DIAMETER, DRILLED HOLE DEPTH, MINIMUM EDGE

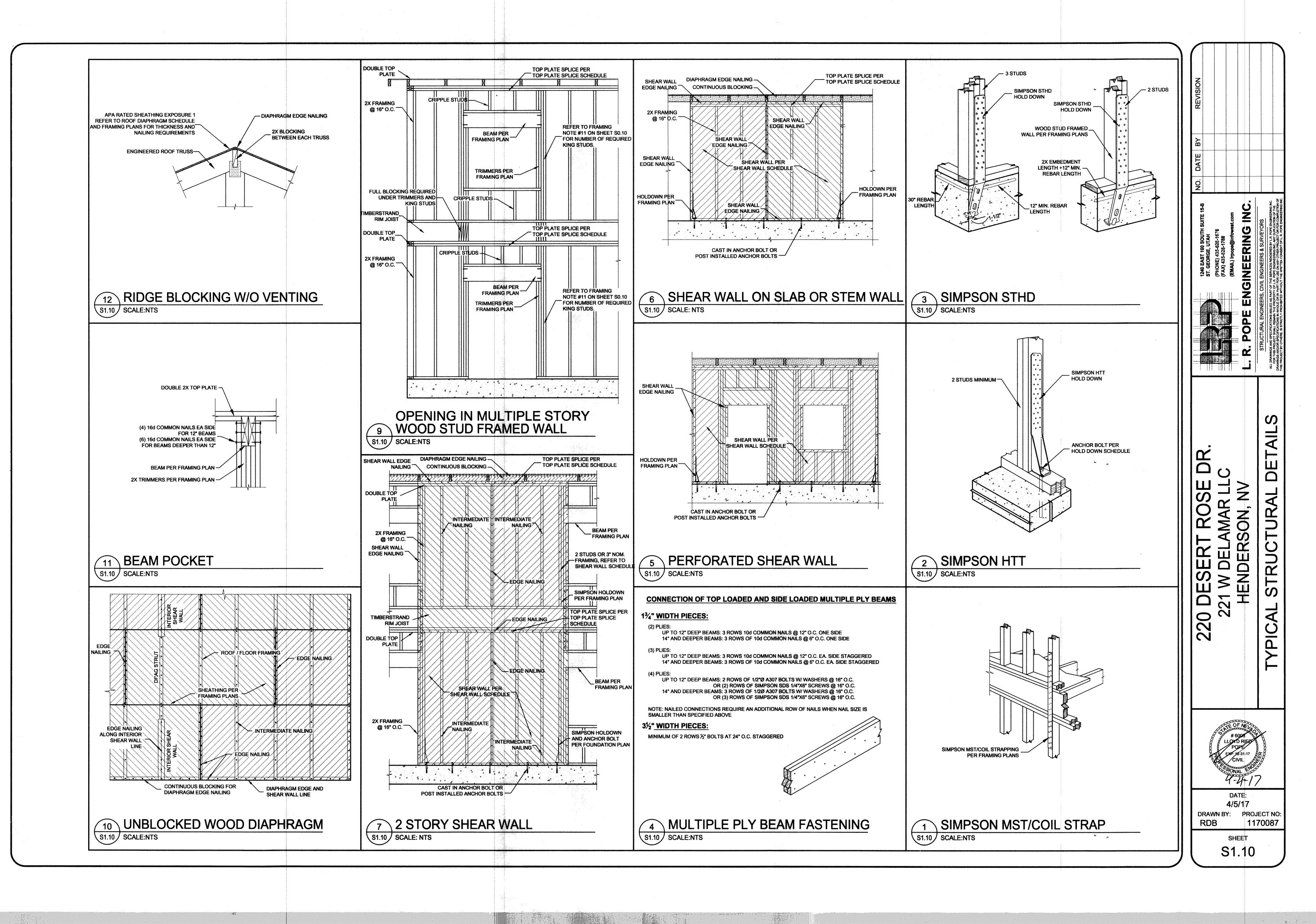
WHERE ANCHOR BOLTS ARE SET IN MASONRY WALLS, FILL BLOCK CELLS WITH CONCRETE FOR BOLTED COURSE AND ONE COURSE BELOW ANCHOR ELEVATION.

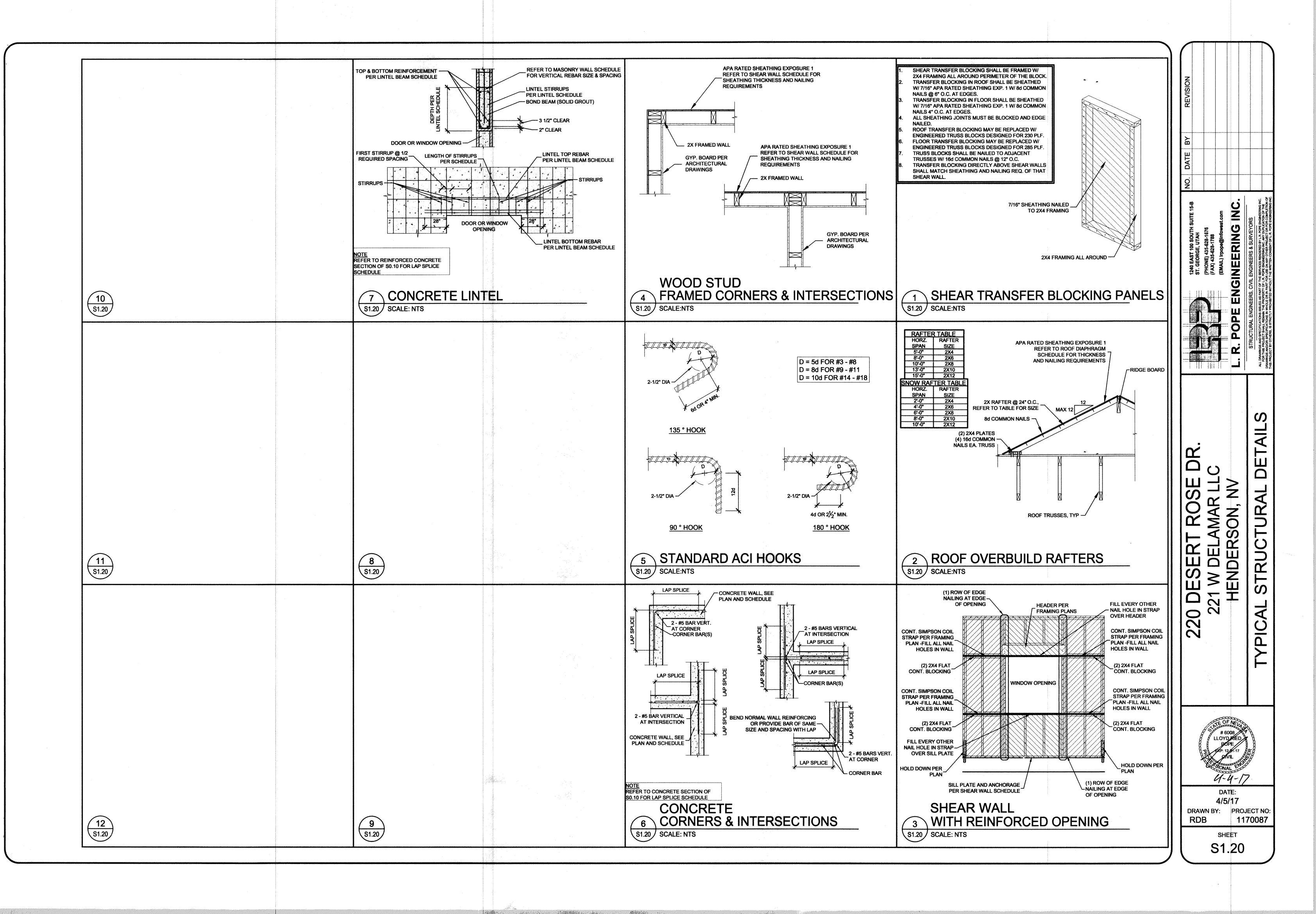
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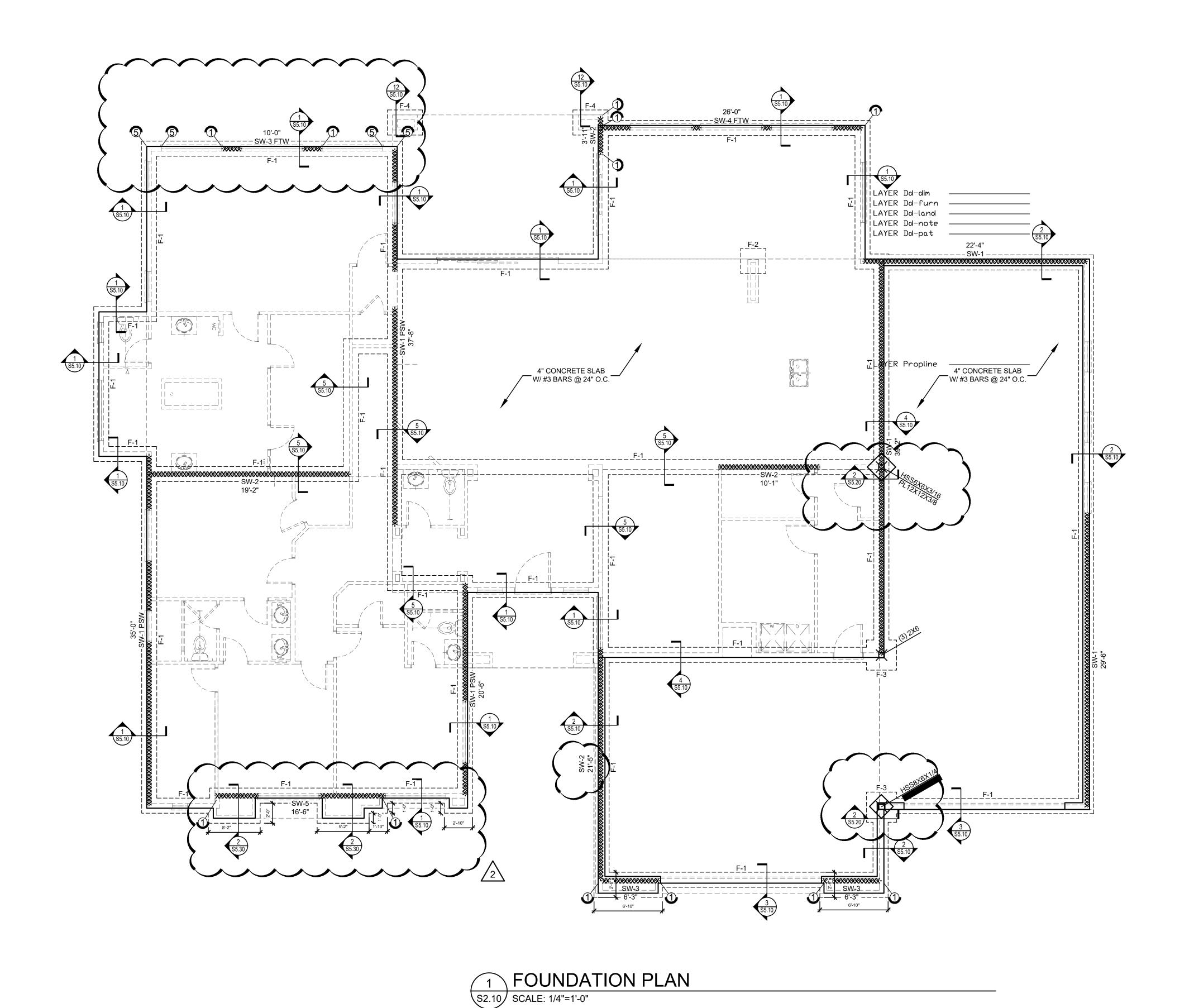
DRAWN BY: PROJECT NO 1170087

SHEET

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SYN	MBOL LEGEND	
1'-0" SW-1	WOOD FRAMED BEARING/SHEAR WALL	
	FOOTING	
COLUMN SIZE COLUMN BASE	WOOD COLUMN	

GENERAL NOTES

1. CONTRACTOR TO VERIFY ALL DIMENSIONS WITH ARCHITECTURAL PLANS AND NOTIFY ENGINEER OF RECORD OF ANY DISCREPANCIES, OMISSIONS, OR ERRORS BEFORE COMMENCING CONSTRUCTION.
2. REFER TO SHEET S0.10 FOR ALL CONCRETE, FOUNDATION, AND SUBGRADE SPECIFICATIONS

3. CONTRACTOR TO FOLLOW ALL SITE PREPERATIONS FROM SOILS REPORT

4. ALL LANDSCAPING AROUND THE HOME MUST BE GRADED AWAY FROM THE HOME AT A MINIMUM GRADE OF 5% FOR THE FIRST 10 FEET OR AS FAR AS POSSIBLE TO MINIMIZE WATER INFILTRATION INTO THE SUBGRADE

W	WOOD WALL ANCHOR BOLT SCHEDULE				
MARK	SILL PLATE	ANCHOR BOLTS AND SPACING			
SW-1	2" NOMINAL	1/2" Ø X 10" ANCHOR BOLTS @ 48" O.C.			
SW-2	2" NOMINAL	1/2" Ø X 10" ANCHOR BOLTS @ 32" O.C.			
SW-3	2" NOMINAL	1/2" Ø X 10" ANCHOR BOLTS @ 23" O.C.			
SW-4	2" NOMINAL	1/2" Ø X 10" ANCHOR BOLTS @ 17" O.C.			
SW-5	2" NOMINAL	5/8" Ø X 10" ANCHOR BOLTS @ 24" O.C.			
SW-6	2" NOMINAL	5/8" Ø X 10" ANCHOR BOLTS @ 20" O.C.			
SW-7	2" NOMINAL	3/4" Ø X 10" ANCHOR BOLTS @ 19" O.C.			
SW-PF	(3) 2" NOMINAL	5/8"ØX14" BOLT @ CENTER OF SILL PLATE			

ANCHOR BOLTS FOR INTERIOR SHEAR WALLS SHALL BE SIMPSON STRONG-BOLTS, SIMPSON TITEN HD, OR HILTI KWIK BOLT TZ ANCHORS OF THE SAME DIAMETER AND SPACING W/ 4-1/2" MINIMUM EMBEDMENT. INTERIOR SHEAR WALL ANCHOR BOLTS MAY ALSO BE EPOXIED INTO CONCRETE WITH SIMPSON SET-XP OR HILTI HIT-RE 500-SD EPOXY AND A MINIMUM 4-1/2"

2. 'PSW' INDICATES A PERFORATED SHEAR WALL REQUIRING ANCHOR BOLTS THE FULL LENGTH OF THE SILL PLATE

EMBEDMENT.

	SIMPSON HOLDOWN SCHEDULE				
MARK	TYPE	ANCHORAGE AND NOTES	FASTENERS		
1	LSTHD8*	NO ANCHOR BOLT REQUIRED	(20) 16d		
2	CS14	CUT LENGTH = JOIST DEPTH + 30"	(26) 10d		
3	CS16	CUT LENGTH = JOIST DEPTH + 22"	(20) 10d		
4	MSTC48B3	NO ANCHOR BOLT REQUIRED	(38) 10d		
5	STHD10*	NO ANCHOR BOLT REQUIRED	(28) 16d		
*IISE	B I HOI DDO/	NNS FOR RIM IOIST APPLICATIONS			

*USE RJ HOLDDOWNS FOR RIM JOIST APPLICATIONS
**USE SIMPSON SET-XP EPOXY

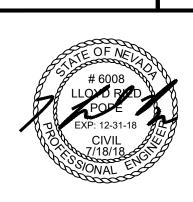
	FOOTING SCHEDULE				
MARK	FOOTING SIZE	REINFORCEMENT	FOOTING TYPE		
F-1	18" X 10" X CONT.	(2) #4 BARS CONT.	CONTINUOUS		
F-2	30" SQ. X 10"	(3) #4 BARS EA. WAY	SPOT		
F-2 F-3	30" SQ. X 10" 36" SQ. X 10"	(3) #4 BARS EA. WAY (4) #4 BARS EA. WAY	SPOT SPOT		

REVISION				
ВУ				
DATE				
ON				

ST. GEORGE, UTAH
(PHONE) 435-628-1676
(FAX) 435-628-1788
(EMAIL) Irpope@infowest.com

L. R. POPE ENGINE
STRUCTURAL ENGINEERS, CIVIL E
ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE S

220 DESERT ROSE DI 221 W DELAMAR LLC HENDERSON, NV

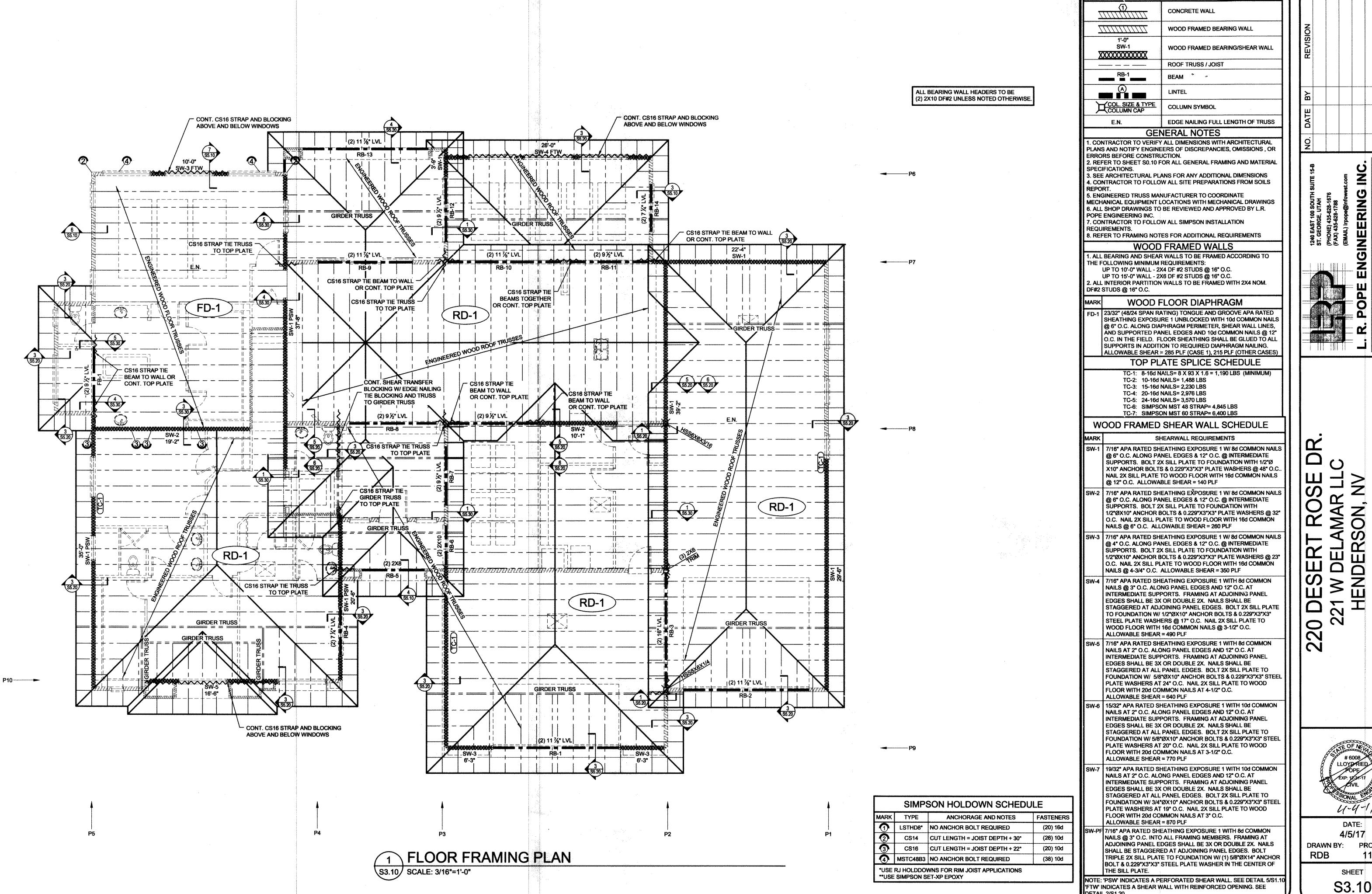


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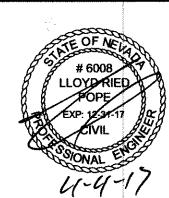
RDB 1170087

SHEET **S2.10**



SYMBOL LEGEND

DETAIL 2/S1.20

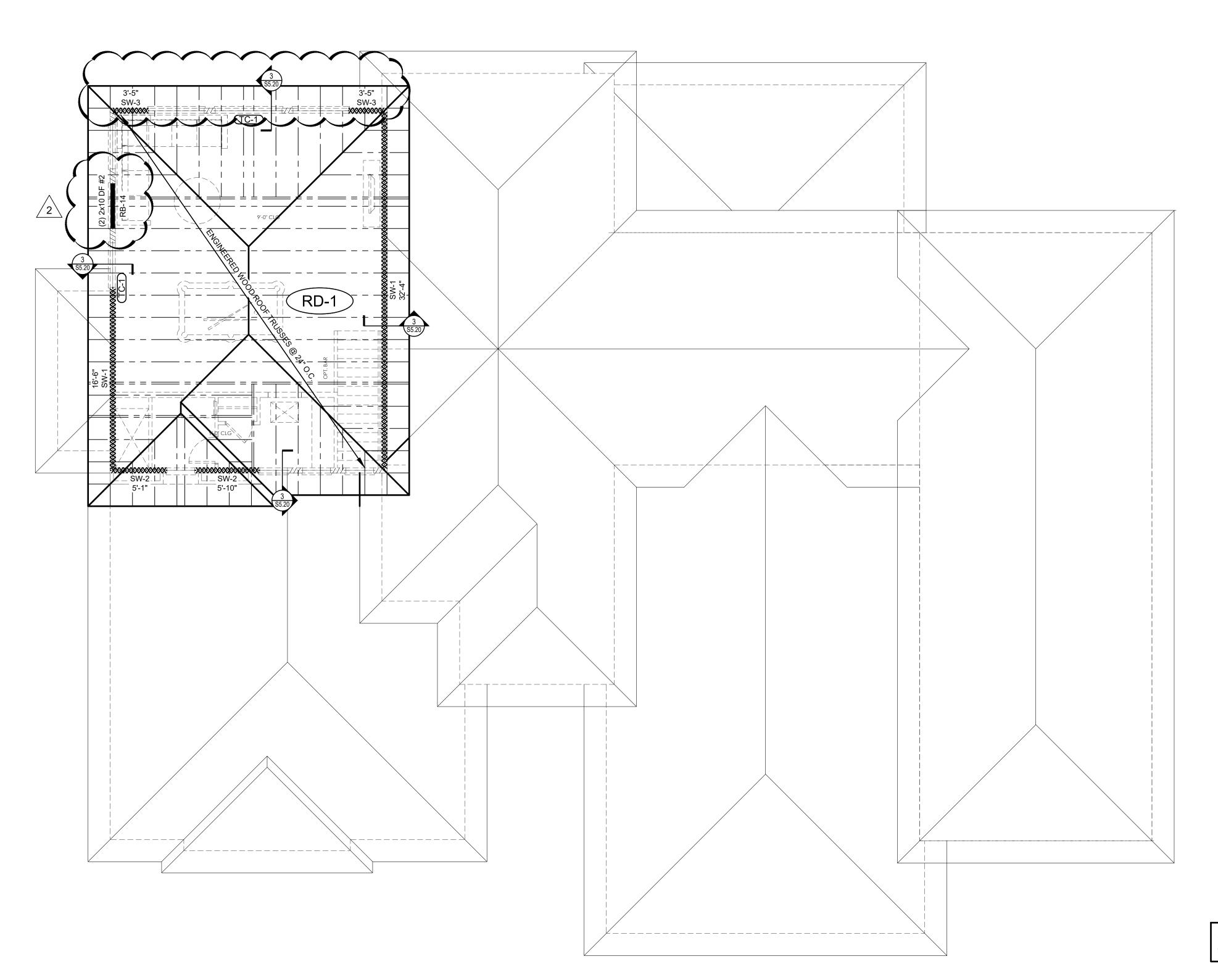


FRAMING

4/5/17

DRAWN BY: PROJECT NO 1170087

SHEET



ALL BEARING WALL HEADERS TO BE (2) 2X10 DF#2 UNLESS NOTED OTHERWISE.
(2) 2X10 DF#2 UNLESS NOTED OTHERWISE.

	SYN	MBOL LEGEND
7		WOOD FRAMED BEARING WALL
X	1'-0" SW-1	WOOD FRAMED BEARING/SHEAR WALL
		ROOF TRUSS / JOIST
	RB-1	BEAM
丁	COL. SIZE & TYPE COLUMN CAP	COLUMN SYMBOL
	E.N.	EDGE NAILING FULL LENGTH OF TRUSS
	GEN	NERAL NOTES
SEE COI EPO EN(ECH ALL OPE COI EQU REF	NTRACTOR TO FOLLO'RT. GINEERED TRUSS MANANICAL EQUIPMENT L. SHOP DRAWINGS TO ENGINEERING INC. NTRACTOR TO FOLLO'IREMENTS. FER TO FRAMING NOTE WOOD EXTERIOR WALLS TO DWING MINIMUM REQUED TO 10'-0" WALL - 2'YOU TO 15'-0" WALL - 2	ANS FOR ANY ADDITIONAL DIMENSIONS W ALL SITE PREPARATIONS FROM SOILS JUFACTURER TO COORDINATE OCATIONS WITH MECHANICAL DRAWINGS BE REVIEWED AND APPROVED BY L.R. W ALL SIMPSON INSTALLATION ES FOR ADDITIONAL REQUIREMENTS FRAMED WALLS BE FRAMED ACCORDING TO THE JIREMENTS: (4 DF #2 STUDS @ 16" O.C. (6 DF #2 STUDS @ 16" O.C. BE FRAMED WITH 2X4 NOM. DF#2 STUDS
IARK		ROOF DIAPHRAGM
D-1	7/16" (24/16 SPAN RA 1 UNBLOCKED WITH DIAPHRAGM PERIME SUPPORTED PANEL	TING) APA RATED SHEATHING EXPOSURE 8d COMMON NAILS @ 6" O.C. ALONG TER, SHEAR WALL LINES, AND EDGES AND 8d COMMON NAILS @ 12" O.C. WABLE SHEAR = 230 PLF (CASE 1), 170 PLF
	TOP PL	ATE SPLICE SCHEDULE
	TC-2: 10-16d TC-3: 15-16d TC-4: 20-16d TC-5: 24-16d TC-6: SIMPSO	AILS= 8 X 93 X 1.6 = 1,190 LBS (MINIMUM) NAILS= 1,488 LBS NAILS= 2,230 LBS NAILS= 2,976 LBS NAILS= 3,570 LBS DN MST 48 STRAP= 4,845 LBS DN MST 60 STRAP= 6,400 LBS
W	OOD FRAMED	SHEAR WALL SCHEDULE
1ARK	Sh	HEARWALL REQUIREMENTS
SW-1	@ 6" O.C. ALONG PA SUPPORTS. BOLT 23 X10" ANCHOR BOLTS NAIL 2X SILL PLATE	EATHING EXPOSURE 1 W/ 8d COMMON NAIL NEL EDGES & 12" O.C. @ INTERMEDIATE X SILL PLATE TO FOUNDATION WITH 1/2"Ø S & 0.229"X3"X3" PLATE WASHERS @ 48" O.C FO WOOD FLOOR WITH 16d COMMON NAILS BLE SHEAR = 140 PLF
W-2		EATHING EXPOSURE 1 W/ 8d COMMON NAIL NEL EDGES & 12" O.C. @ INTERMEDIATE

۷۷۷	OOD FRAMED SHEAR WALL SCHEDULE
MARK	SHEARWALL REQUIREMENTS
SW-1	7/16" APA RATED SHEATHING EXPOSURE 1 W/8d COMMON NAILS @ 6" O.C. ALONG PANEL EDGES & 12" O.C. @ INTERMEDIATE SUPPORTS. BOLT 2X SILL PLATE TO FOUNDATION WITH 1/2"Ø X10" ANCHOR BOLTS & 0.229"X3"X3" PLATE WASHERS @ 48" O.C NAIL 2X SILL PLATE TO WOOD FLOOR WITH 16d COMMON NAILS @ 12" O.C. ALLOWABLE SHEAR = 140 PLF
SW-2	7/16" APA RATED SHEATHING EXPOSURE 1 W/8d COMMON NAILS @ 6" O.C. ALONG PANEL EDGES & 12" O.C. @ INTERMEDIATE SUPPORTS. BOLT 2X SILL PLATE TO FOUNDATION WITH 1/2"ØX10" ANCHOR BOLTS & 0.229"X3"X3" PLATE WASHERS @ 32" O.C. NAIL 2X SILL PLATE TO WOOD FLOOR WITH 16d COMMON NAILS @ 6" O.C. ALLOWABLE SHEAR = 260 PLF
SW-3	7/16" APA RATED SHEATHING EXPOSURE 1 W/ 8d COMMON NAILS @ 4" O.C. ALONG PANEL EDGES & 12" O.C. @ INTERMEDIATE SUPPORTS. BOLT 2X SILL PLATE TO FOUNDATION WITH 1/2"ØX10" ANCHOR BOLTS & 0.229"X3"X3" PLATE WASHERS @ 23" O.C. NAIL 2X SILL PLATE TO WOOD FLOOR WITH 16d COMMON NAILS @ 4-3/4" O.C. ALLOWABLE SHEAR = 350 PLF
SW-4	7/16" APA RATED SHEATHING EXPOSURE 1 WITH 8d COMMON NAILS @ 3" O.C. ALONG PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. FRAMING AT ADJOINING PANEL EDGES SHALL BE 3X OR DOUBLE 2X. NAILS SHALL BE STAGGERED AT ADJOINING PANEL EDGES. BOLT 2X SILL PLATE TO FOUNDATION W/ 1/2"ØX10" ANCHOR BOLTS & 0.229"X3"X3" STEEL PLATE WASHERS @ 17" O.C. NAIL 2X SILL PLATE TO WOOD FLOOR WITH 16d COMMON NAILS @ 3-1/2" O.C. ALLOWABLE SHEAR = 490 PLF
SW-5	7/16" APA RATED SHEATHING EXPOSURE 1 WITH 8d COMMON NAILS AT 2" O.C. ALONG PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. FRAMING AT ADJOINING PANEL EDGES SHALL BE 3X OR DOUBLE 2X. NAILS SHALL BE STAGGERED AT ALL PANEL EDGES. BOLT 2X SILL PLATE TO FOUNDATION W/ 5/8"ØX10" ANCHOR BOLTS & 0.229"X3"X3" STEEL PLATE WASHERS AT 24" O.C. NAIL 2X SILL PLATE TO WOOD FLOOR WITH 20d COMMON NAILS AT 4-1/2" O.C. ALLOWABLE SHEAR = 640 PLF
SW-6	15/32" APA RATED SHEATHING EXPOSURE 1 WITH 10d COMMON NAILS AT 2" O.C. ALONG PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. FRAMING AT ADJOINING PANEL EDGES SHALL BE 3X OR DOUBLE 2X. NAILS SHALL BE STAGGERED AT ALL PANEL EDGES. BOLT 2X SILL PLATE TO FOUNDATION W/ 5/8"ØX10" ANCHOR BOLTS & 0.229"X3"X3" STEEL PLATE WASHERS AT 20" O.C. NAIL 2X SILL PLATE TO WOOD FLOOR WITH 20d COMMON NAILS AT 3-1/2" O.C. ALLOWABLE SHEAR = 770 PLF
SW-7	19/32" APA RATED SHEATHING EXPOSURE 1 WITH 10d COMMON NAILS AT 2" O.C. ALONG PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. FRAMING AT ADJOINING PANEL EDGES SHALL BE 3X OR DOUBLE 2X. NAILS SHALL BE STAGGERED AT ALL PANEL EDGES. BOLT 2X SILL PLATE TO FOUNDATION W/ 3/4"ØX10" ANCHOR BOLTS & 0.229"X3"X3" STEEL PLATE WASHERS AT 19" O.C. NAIL 2X SILL PLATE TO WOOD FLOOR WITH 20d COMMON NAILS AT 3" O.C. ALLOWABLE SHEAR = 870 PLF
SW-PF	7/16" APA RATED SHEATHING EXPOSURE 1 WITH 8d COMMON NAILS @ 3" O.C. INTO ALL FRAMING MEMBERS. FRAMING AT ADJOINING PANEL EDGES SHALL BE 3X OR DOUBLE 2X. NAILS SHALL BE STAGGERED AT ADJOINING PANEL EDGES. BOLT TRIPLE 2X SILL PLATE TO FOUNDATION W/ (1) 5/8"ØX14" ANCHOR BOLT & 0.229"X3"X3" STEEL PLATE WASHER IN THE CENTER OF THE SILL PLATE.

NOTE: 'PSW' INDICATES A PERFORATED SHEAR WALL. SEE DETAIL 5/S1.10 'FTW' INDICATES A SHEAR WALL WITH REINFORCED OPENING. SEE DETAIL 3/S1.20

NO. DATE BY REVISION

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HENDERSON, NV

6008 LLOVO PPD POPE EXP: 12-31-18 CIVIL 7/18/18

220 22

> DATE: 6/27/18

DRAWN BY: PROJECT NO: RDB 1170087

SHEET

S4.10

1 ROOF FRAMING PLAN

S4.10 SCALE: 3/16"=1'-0"

