

STRUCTURAL REQUIREMENTS

ENGINEERED WOOD TRUSSES

- 1. ENGINEERED WOOD TRUSSES SHALL BE DESIGNED FOR THE FOLLOWING MINIMUM LOADS: ROOF TRUSS TOP CHORD: 20 PSF DL (INCLUDING TRUSS WT), LL PER STRUCTURAL CRITERIA...

WOOD FRAMING NOTES

- 1. ALL DIMENSIONAL LUMBER SHALL BE DF#2 GRADE OR BETTER. SAWN LUMBER SHALL BE IDENTIFIED BY THE GRADE MARK OF A LUMBER GRADING OR INSPECTION AGENCY THAT HAS BEEN APPROVED...

STATEMENT OF SPECIAL INSPECTIONS

- 1. ALL SPECIAL INSPECTION REPORTS, TESTS, QUALIFICATIONS, AND CERTIFICATES OF COMPLIANCE SHALL BE APPROVED BY THE ENGINEER OF RECORD AND SUBMITTED TO THE CITY BUILDING DEPARTMENT PRIOR TO CONSTRUCTION.

STRUCTURAL SHEET INDEX

Table with 2 columns: Item No., Description. Includes PROJECT NOTES & SPECIFICATIONS, TYPICAL STRUCTURAL DETAILS, FOUNDATION PLAN, FLOOR FRAMING PLAN, ROOF FRAMING PLAN, STRUCTURAL DETAILS, STRUCTURAL DETAILS.

STRUCTURAL CRITERIA

ANALYSIS ITEMS: GRAVITY LOADS (IBC 2018 TABLE 1607.1 & ASCE 7-10 TABLE C3-1), WIND LOADS (ASCE 7-10 TABLE 6-5), DEFLECTION CRITERIA.

SEISMIC DESIGN PARAMETERS (ASCE 7-10 12.8): SEISMIC DESIGN CATEGORY: D, SITE CLASS: II, IMPORTANCE FACTOR, I: 1.0, RESPONSE MOD. FACTOR, R: 6.5, OVER STRENGTH FACTOR, O: 3.0, DEFLECTION AMPLIFICATION FACTOR, Cd: 4.0, BASIC SEISMIC FORCE-RESISTING SYSTEM(S): LIGHT FRAMED WALLS SHEATHED W/ WOOD STRUCTURAL PANELS.

DESIGN BASE SHEAR, V: 0.0714, SEISMIC DESIGN COEFFICIENT, Cs: 0.491, ANALYSIS PROCEDURE USED: Ss: 0.163, S1: 0.233, S2: 0.464.

SPECIAL INSPECTIONS REQUIRED

REINFORCED CONCRETE NOTES

- 1. STRUCTURAL CONCRETE SHALL COMPLY WITH THE MOST RESTRICTIVE REQUIREMENTS ACCORDING TO ACI 318 TABLE 4.3.1 FOR THE EXPOSURE CATEGORIES AND CLASSES LISTED BELOW.

Table with 3 columns: STRUCT. MEMBER, EXPOSURE CATEGORY AND CLASS, CLASS. Includes FOOTINGS, SLABS, S, SULFATE, W, IN CONTACT W/ WATER, C, CORROSION PROT. OF REINF.

- 2. MINIMUM CONCRETE MIX REQUIREMENTS: CONCRETE COMPRESSIVE STRENGTH, fc: 4500 PSI, MAXIMUM WATER TO CEMENT RATIO: 0.45, CEMENTITIOUS MATERIAL: TYPE V.

FOUNDATION & SLAB ON GRADE NOTES

- 1. CONTRACTOR SHALL COMPLY WITH RECOMMENDATIONS IN THE PROJECT SOILS REPORT AND ALL ADDENDUMS, LETTERS, AND OTHER ASSOCIATED DOCUMENTS.

GENERAL NOTES

- 1. 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.

DEFERRED SUBMITTALS

- 1. TWO (2) COPIES OF EACH DEFERRED SUBMITTAL WILL FIRST BE SUBMITTED TO THE ARCHITECT/ENGINEER-OF-RECORD, WHO WILL REVIEW THEM AND FORWARD THEM TO THE BUILDING DEPARTMENT WITH NOTATIONS INDICATING THAT THE SUBMITTALS CONFORM TO THE DESIGN OF THE BUILDING.

POST INSTALLED ANCHORS

- 1. 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.

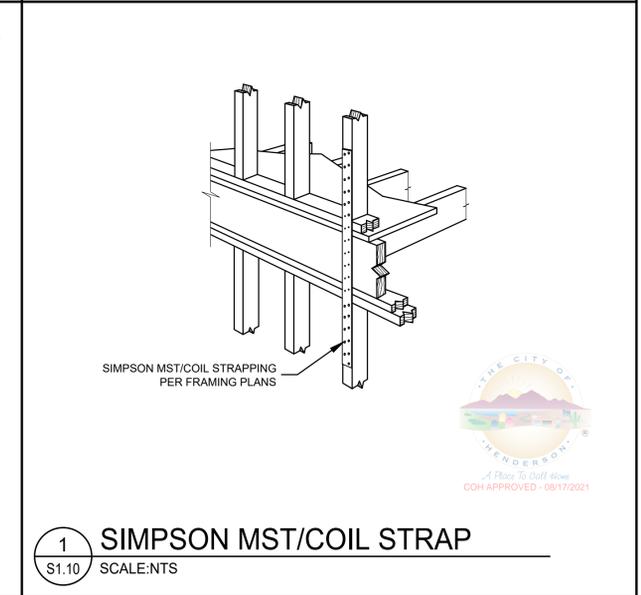
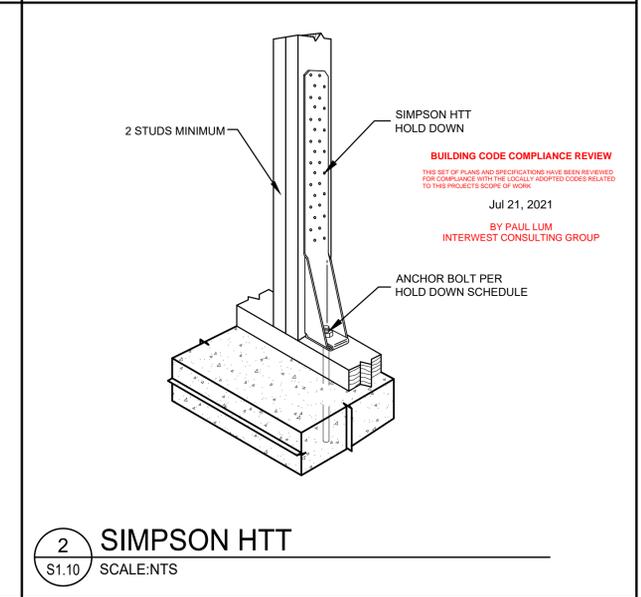
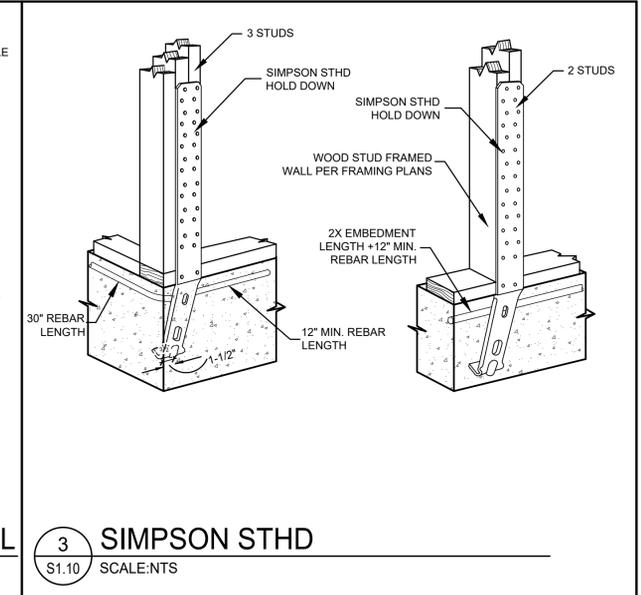
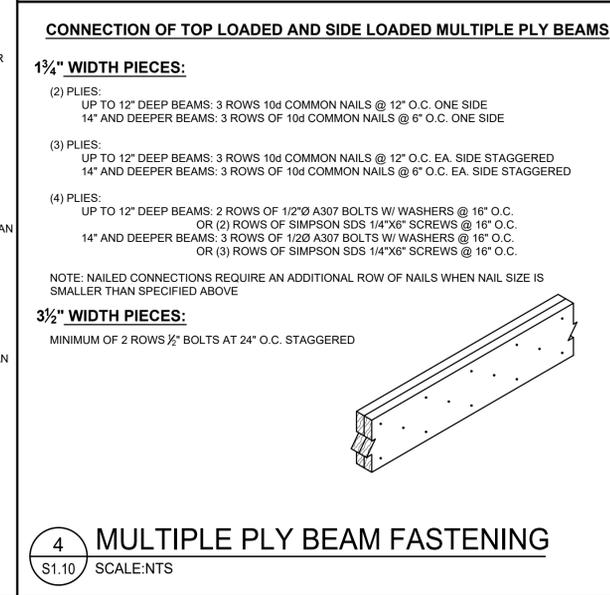
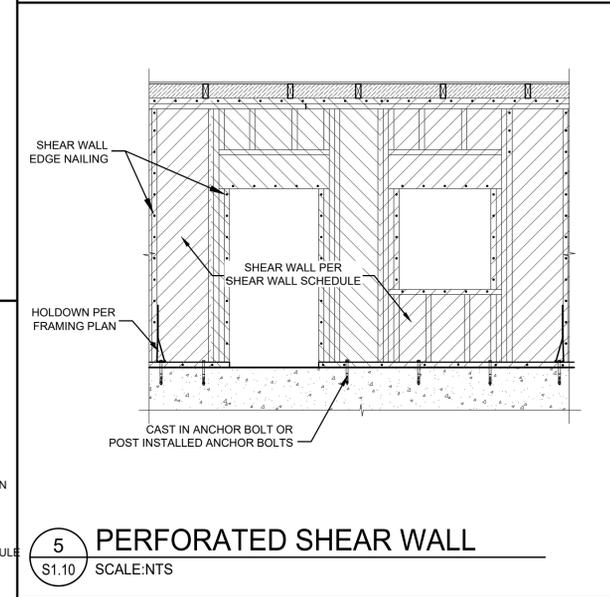
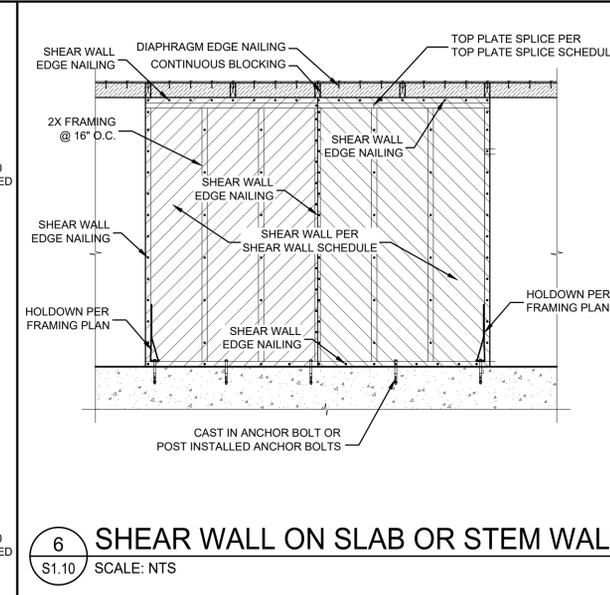
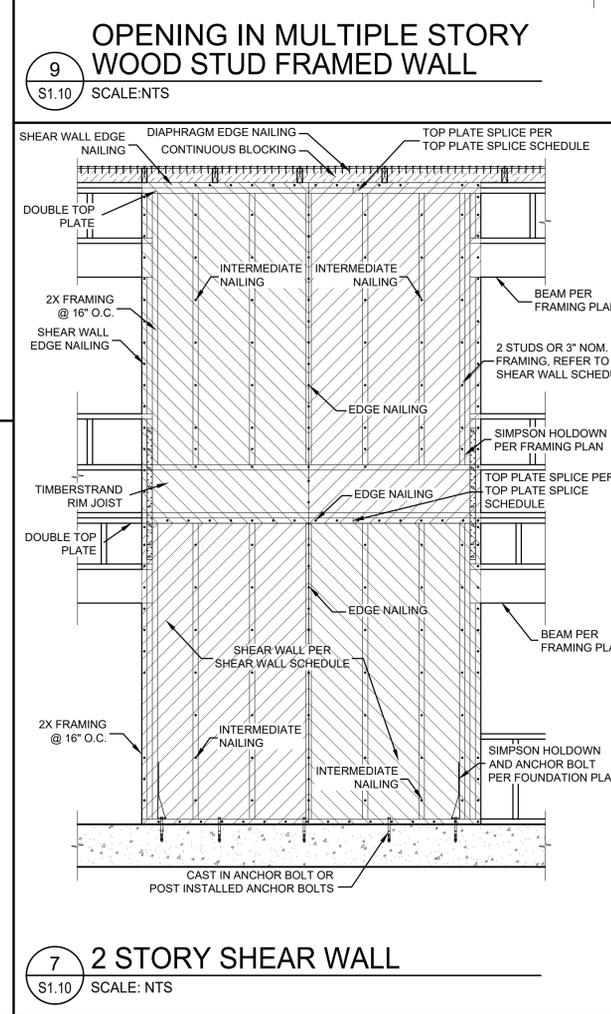
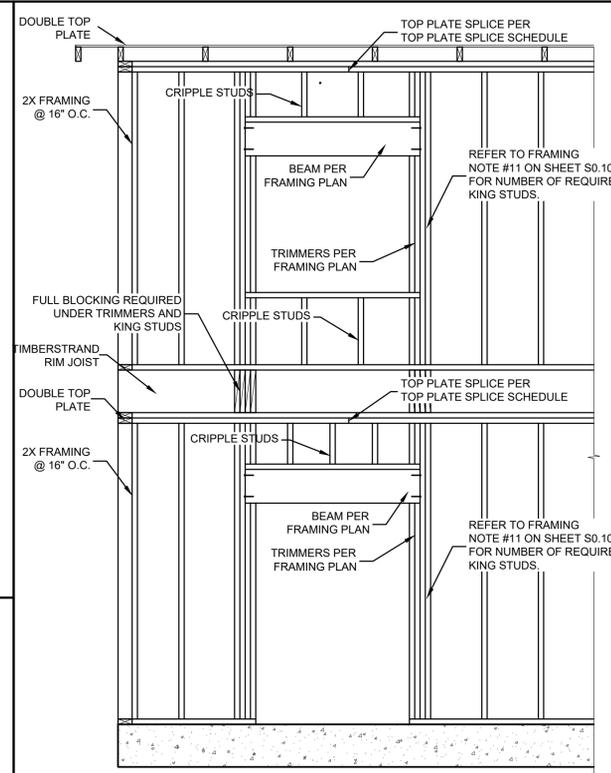
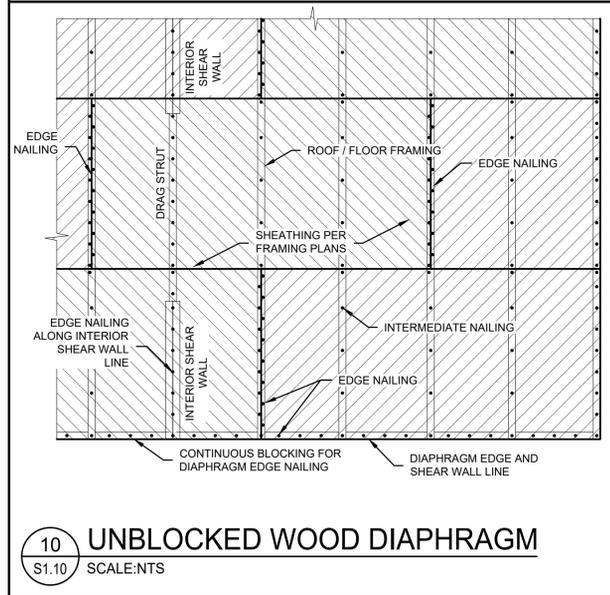
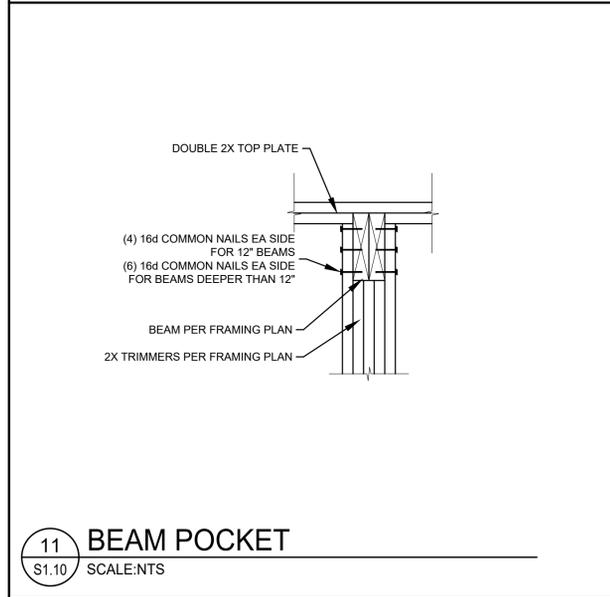
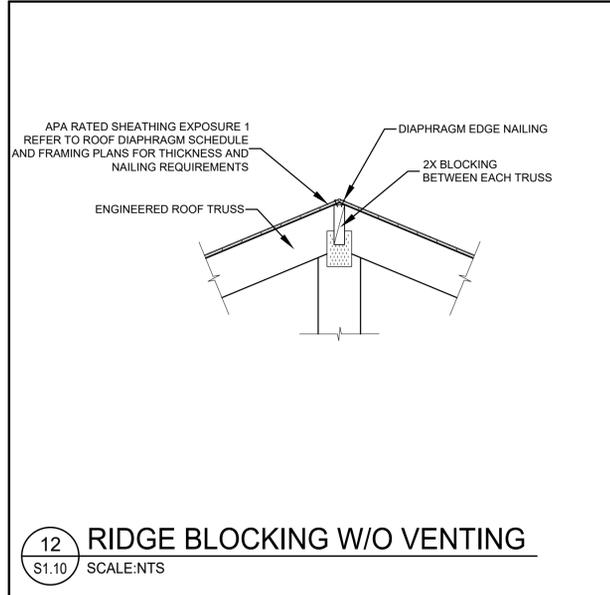
REINFORCED CONCRETE LAP SPLICE SCHEDULE: Table with 3 columns: SPLICE CLASS, REINFORCEMENT LOCATION, #3 BARS, #4 BARS, #5 BARS, #6 BARS, #7 BARS, #8 BARS.

REVISION table with columns: NO., DATE, BY.

1240 EAST 100 SOUTH SUITE 15-B, ST. GEORGE, UTAH, (PHONE) 435-628-1876, (FAX) 435-628-1788, (EMAIL) jppope@lropwast.com, L. R. POPE ENGINEERING INC., STRUCTURAL ENGINEERS & SURVEYORS.

MILAN LOT 2 FOR ASSURED REAL ESTATE HENDERSON, NV PROJECT NOTES & SPECIFICATIONS

STATE OF NEVADA, # 6008, L.R. POPE, CIVIL ENGINEER, DATE: 5-27-20, DRAWN BY: LRP, PROJECT NO., SHEET S0.10



NO.	DATE	BY	REVISION

1240 EAST 140 SOUTH SUITE 15-B
ST. GEORGE, UTAH
(PHONE) 435-628-1676
(FAX) 435-628-1708
(EMAIL) lrpope@mlowest.com

L. R. POPE ENGINEERING INC.
STRUCTURAL ENGINEERS, CIVIL ENGINEERS & SURVEYORS
ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE SERVICES RENDERED BY L. R. POPE ENGINEERING INC. SHALL BE THE PROPERTY OF L. R. POPE ENGINEERING INC. AND SHALL NOT BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN CONSENT OF L. R. POPE ENGINEERING INC.

LRP

MILAN LOT 2
FOR ASSURED REAL ESTATE
HENDERSON, NV

TYPICAL STRUCTURAL DETAILS

DATE: _____
DRAWN BY: LRP PROJECT NO: _____
SHEET S1.10

10
S1.20

7
S1.20
CONCRETE LINTEL
SCALE: NTS

NOTE
REFER TO REINFORCED CONCRETE SECTION OF S0.10 FOR LAP SPLICE SCHEDULE

4
S1.20
WOOD STUD FRAMED CORNERS & INTERSECTIONS
SCALE: NTS

1
S1.20
SHEAR TRANSFER BLOCKING PANELS
SCALE: NTS

- SHEAR TRANSFER BLOCKING SHALL BE FRAMED W/ 2X4 FRAMING ALL AROUND PERIMETER OF THE BLOCK.
- TRANSFER BLOCKING IN ROOF SHALL BE SHEATHED W/ 7/16\"/>

BUILDING CODE COMPLIANCE REVIEW
THIS SET OF PLANS AND SPECIFICATIONS HAVE BEEN REVIEWED FOR COMPLIANCE WITH THE 2021 IBC. REVIEWED FOR THE PROJECT'S SCOPE OF WORK.
Jul 21, 2021
BY PAUL LUM
INTERWEST CONSULTING GROUP

11
S1.20

8
S1.20

5
S1.20
STANDARD ACI HOOKS
SCALE: NTS

D = 5d FOR #3 - #8
D = 8d FOR #9 - #11
D = 10d FOR #14 - #18

2
S1.20
ROOF OVERBUILD
SCALE: NTS

APA RATED SHEATHING EXPOSURE 1 REFER TO ROOF DIAPHRAGM SCHEDULE FOR THICKNESS AND NAILING REQUIREMENTS

NOTES:
1. REPEAT THE OVER FRAMING AS SHOWN @ 2'-0\"/>

12
S1.20

6
S1.20
CONCRETE CORNERS & INTERSECTIONS
SCALE: NTS

NOTE
REFER TO CONCRETE SECTION OF S0.10 FOR LAP SPLICE SCHEDULE

3
S1.20
SHEAR WALL WITH REINFORCED OPENING
SCALE: NTS

9
S1.20

NO.	DATE	BY	REVISION

1240 EAST 100 SOUTH SUITE 10-B
ST. GEORGE, UTAH
(PHONE) 435-828-1676
(FAX) 435-828-1708
(EMAIL) lrp@lropo.com

L. R. POPE ENGINEERING INC.
STRUCTURAL ENGINEERS, CIVIL ENGINEERS & SURVEYORS

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LRP

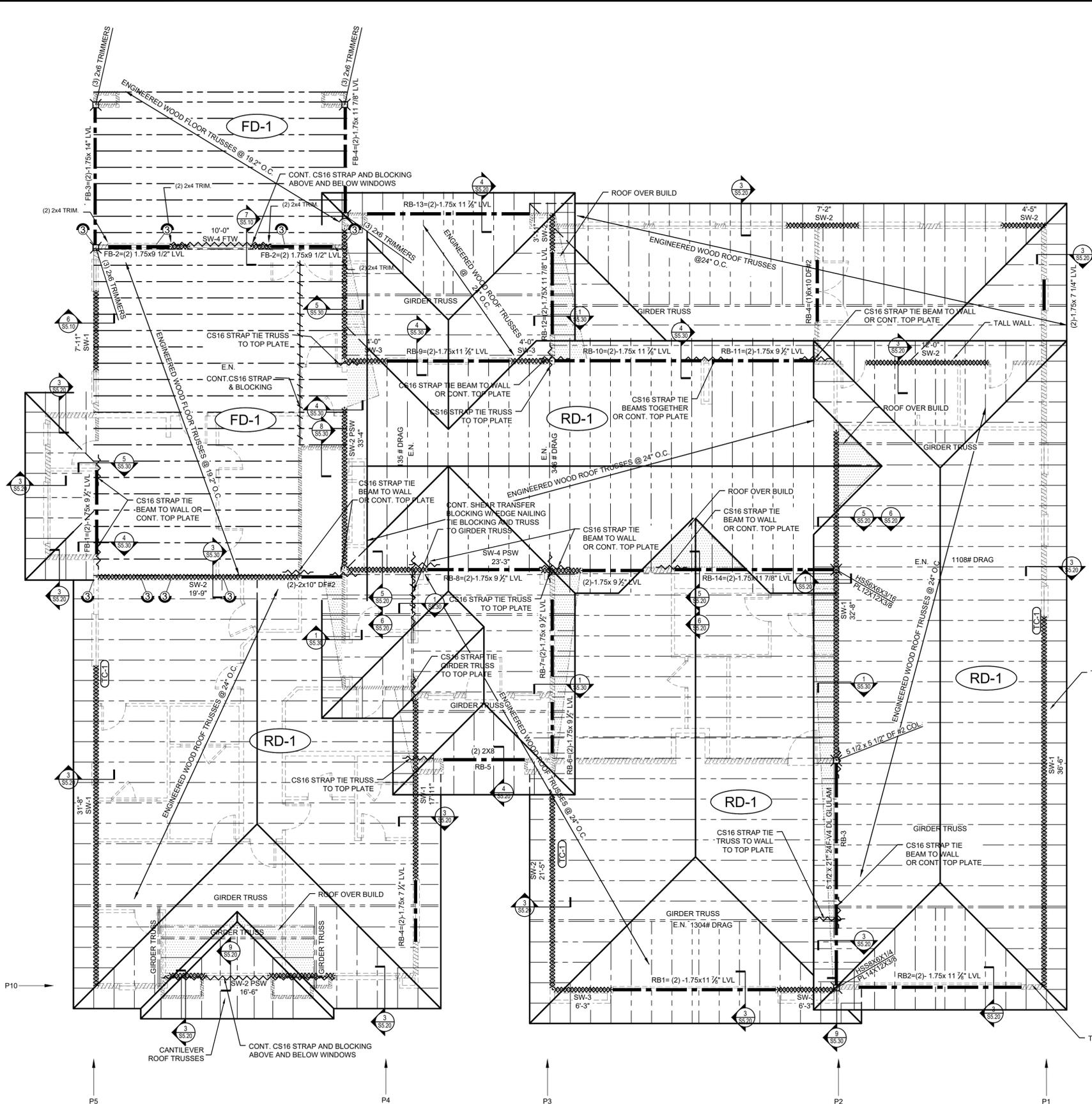
MILAN LOT 2
FOR ASSURED REAL ESTATE
HENDERSON, NV

TYPICAL STRUCTURAL DETAILS

STATE OF NEVADA
#6008
L. R. POPE
EXP. 12-31-21
CIVIL
3/27/21
PROFESSIONAL ENGINEER

DATE:
DRAWN BY: PROJECT NO:
LRP

SHEET
S1.20



1 FLOOR FRAMING PLAN
S3.10 SCALE: 3/16"=1'-0"

SYMBOL LEGEND	
	CONCRETE WALL
	WOOD FRAMED BEARING WALL
	WOOD FRAMED BEARING/SHEAR WALL
	ROOF TRUSS / JOIST
	BEAM
	LINTEL
	COLUMN SYMBOL
	EDGE NAILING FULL LENGTH OF TRUSS

- GENERAL NOTES**
- CONTRACTOR TO VERIFY ALL DIMENSIONS WITH ARCHITECTURAL PLANS AND NOTIFY ENGINEERS OF DISCREPANCIES, OMISSIONS, OR ERRORS BEFORE CONSTRUCTION.
 - REFER TO SHEET S0.10 FOR ALL GENERAL FRAMING AND MATERIAL SPECIFICATIONS.
 - SEE ARCHITECTURAL PLANS FOR ANY ADDITIONAL DIMENSIONS.
 - CONTRACTOR TO FOLLOW ALL SITE PREPARATIONS FROM SOILS REPORT.
 - ENGINEERED TRUSS MANUFACTURER TO COORDINATE MECHANICAL EQUIPMENT LOCATIONS WITH MECHANICAL DRAWINGS.
 - ALL SHOP DRAWINGS TO BE REVIEWED AND APPROVED BY L.R. POPE ENGINEERING INC.
 - CONTRACTOR TO FOLLOW ALL SIMPSON INSTALLATION REQUIREMENTS.
 - REFER TO FRAMING NOTES FOR ADDITIONAL REQUIREMENTS.

- WOOD FRAMED WALLS**
- ALL BEARING AND SHEAR WALLS TO BE FRAMED ACCORDING TO THE FOLLOWING MINIMUM REQUIREMENTS:
 UP TO 10'-0" WALL - 2X4 DF #2 STUDS @ 16" O.C.
 UP TO 15'-0" WALL - 2X6 DF #2 STUDS @ 16" O.C.
 UP TO 16'-0" WALL - 2X6 DF #2 STUDS @ 12" O.C.
 - ALL INTERIOR PARTITION WALLS TO BE FRAMED WITH 2X4 NOM. DF#2 STUDS @ 16" O.C.

WOOD ROOF DIAPHRAGM	
RD-1	7/16" (24/16 SPAN RATING) APA RATED SHEATHING EXPOSURE 1 UNBLOCKED WITH 8d COMMON NAILS @ 6" O.C. ALONG DIAPHRAGM PERIMETER, SHEAR WALL LINES, AND SUPPORTED PANEL EDGES AND 8d COMMON NAILS @ 12" O.C. IN THE FIELD. ALLOWABLE SHEAR = 230 PLF (CASE 1), 170 PLF (OTHER CASES)

WOOD FLOOR DIAPHRAGM	
FD-1	23/32" (48/24 SPAN RATING) TONGUE AND GROOVE APA RATED SHEATHING EXPOSURE 1 UNBLOCKED WITH 10d COMMON NAILS @ 6" O.C. ALONG DIAPHRAGM PERIMETER, SHEAR WALL LINES, AND SUPPORTED PANEL EDGES AND 10d COMMON NAILS @ 12" O.C. IN THE FIELD. FLOOR SHEATHING SHALL BE GLUED TO ALL SUPPORTS IN ADDITION TO REQUIRED DIAPHRAGM NAILING. ALLOWABLE SHEAR = 285 PLF (CASE 1), 215 PLF (OTHER CASES)

TOP PLATE SPLICE SCHEDULE	
TC-1:	8-16d NAILS= 8 X 93 X 1.6 = 1,190 LBS (MINIMUM)
TC-2:	10-16d NAILS= 1,488 LBS
TC-3:	15-16d NAILS= 2,230 LBS
TC-4:	20-16d NAILS= 2,976 LBS
TC-5:	24-16d NAILS= 3,570 LBS
TC-6:	SIMPSON MST 48 STRAP= 4,845 LBS
TC-7:	SIMPSON MST 60 STRAP= 6,400 LBS

WOOD FRAMED SHEAR WALL SCHEDULE

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 X 10" 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"Ø X 10" 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 @ 6" O.C. ALONG PANEL EDGES & 12" O.C. @ INTERMEDIATE SUPPORTS. BOLT 2X SILL PLATE TO FOUNDATION WITH 1/2"Ø X 10" 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 W/ 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"Ø X 10" 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 W/ 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"Ø X 10" ANCHOR BOLTS & 0.229"X3"X3" STEEL PLATE WASHERS @ 17" 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"Ø X 10" ANCHOR BOLTS & 0.229"X3"X3" STEEL PLATE WASHERS @ 17" O.C. NAIL 2X SILL PLATE TO WOOD FLOOR WITH 20d COMMON NAILS AT 3-1/2" O.C. ALLOWABLE SHEAR = 770 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"Ø X 14" ANCHOR BOLT & 0.229"X3"X3" STEEL PLATE WASHER IN THE CENTER OF THE SILL PLATE.

BUILDING CODE COMPLIANCE REVIEW
 THIS SET OF PLANS AND SPECIFICATIONS HAVE BEEN REVIEWED FOR COMPLIANCE WITH THE LOCALLY ADOPTED CODES RELATED TO THIS PROJECT'S SCOPE OF WORK.
 Jul 21, 2021
 BY PAUL LUM
 INTERWEST CONSULTING GROUP

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	MSTC4B3	NO ANCHOR BOLT REQUIRED	(38) 10d
5	STD10"	NO ANCHOR BOLT REQUIRED	(28) 16d
6	HTT4	5/8"Ø THREADED ROD EPOXIED 7" INTO FOOTING**	(18) 10d

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

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

REVISION

NO. DATE BY

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 (PHONE) 435-628-1876
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 (EMAIL) lrpope@lropewest.com

L.R. POPE ENGINEERING INC.
 STRUCTURAL ENGINEERS, CIVIL ENGINEERS & SURVEYORS

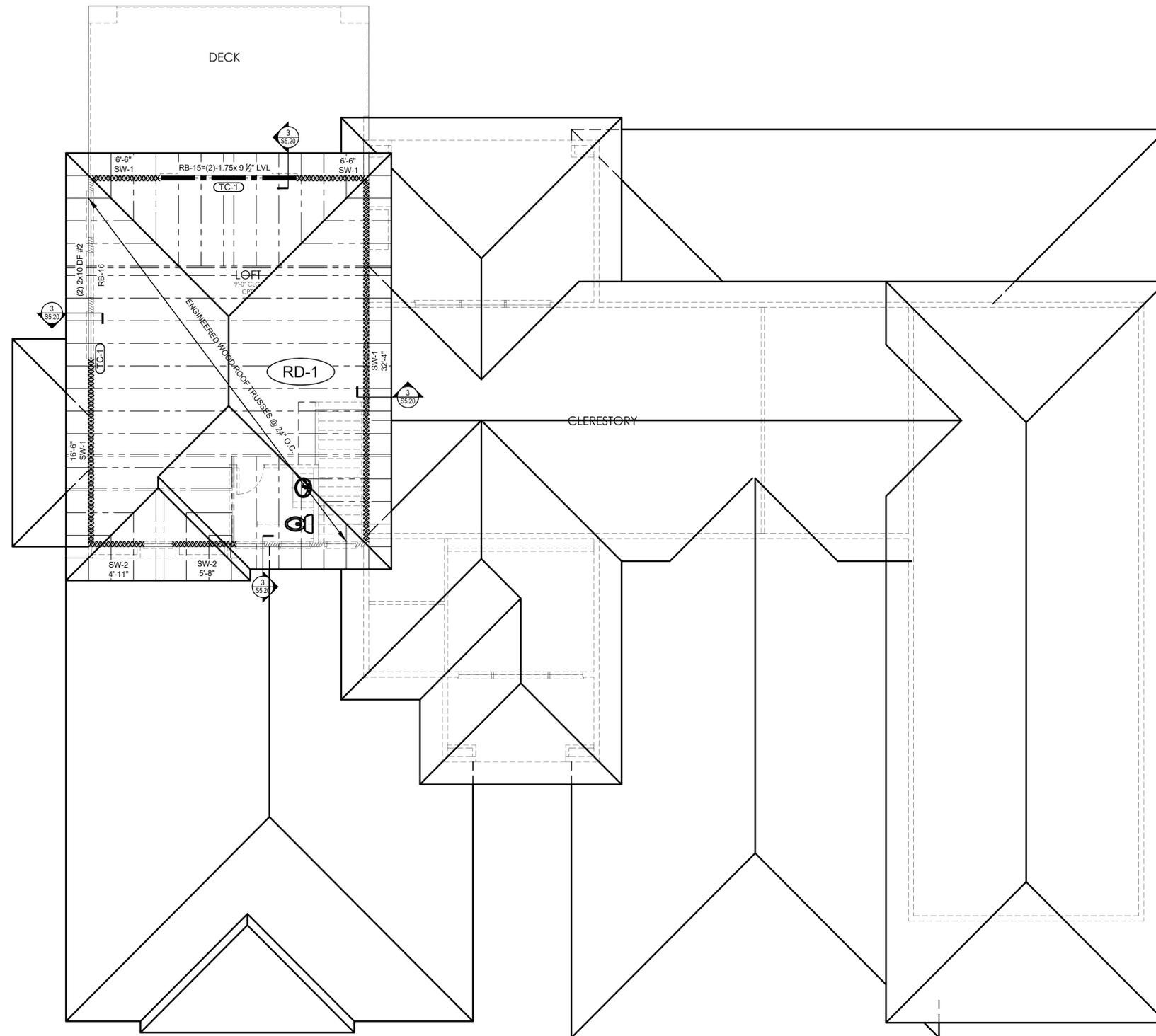
MILAN LOT 2
 FOR ASSURED REAL ESTATE
 HENDERSON, NV
 FLOOR FRAMING PLAN

DATE:

DRAWN BY: PROJECT NO:
 LRP

SHEET
 S3.10

STATE OF NEVADA
 # 6008
 L.R. POPE
 EXP. 12-31-21
 CIVIL
 PROFESSIONAL ENGINEER



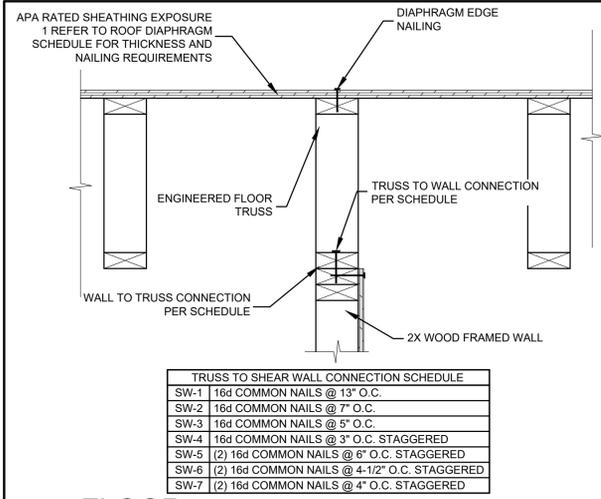
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ALL BEARING WALL HEADERS TO BE (2) 2X10 DF#2 UNLESS NOTED OTHERWISE.

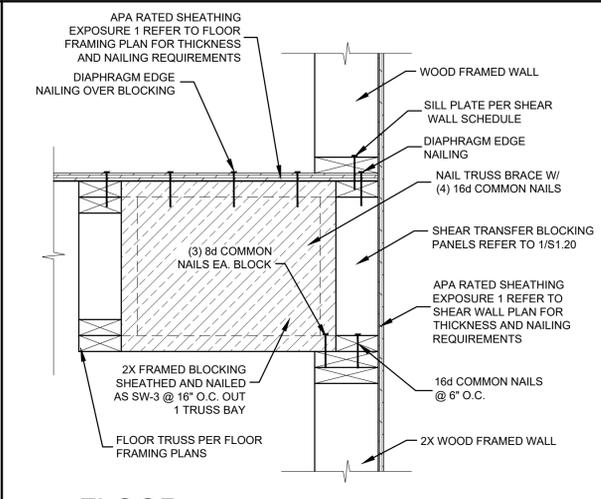
1 ROOF FRAMING PLAN
 S4.10 SCALE: 3/16"=1'-0"

SYMBOL LEGEND	
	WOOD FRAMED BEARING WALL
	WOOD FRAMED BEARING/SHEAR WALL
	ROOF TRUSS / JOIST
	BEAM
	COLUMN SYMBOL
	EDGE NAILING FULL LENGTH OF TRUSS
GENERAL NOTES	
1. CONTRACTOR TO VERIFY ALL DIMENSIONS WITH ARCHITECTURAL PLANS AND NOTIFY ENGINEER OF RECORD OF ANY DISCREPANCIES, OMISSIONS, OR ERRORS BEFORE CONSTRUCTION.	
2. REFER TO SHEET S0.10 FOR ALL GENERAL FRAMING AND MATERIAL SPECIFICATIONS.	
3. SEE ARCHITECTURAL PLANS FOR ANY ADDITIONAL DIMENSIONS	
4. CONTRACTOR TO FOLLOW ALL SITE PREPARATIONS FROM SOILS REPORT.	
5. ENGINEERED TRUSS MANUFACTURER TO COORDINATE MECHANICAL EQUIPMENT LOCATIONS WITH MECHANICAL DRAWINGS	
6. ALL SHOP DRAWINGS TO BE REVIEWED AND APPROVED BY L.R. POPE ENGINEERING INC.	
7. CONTRACTOR TO FOLLOW ALL SIMPSON INSTALLATION REQUIREMENTS.	
8. REFER TO FRAMING NOTES FOR ADDITIONAL REQUIREMENTS	
WOOD FRAMED WALLS	
1. ALL EXTERIOR WALLS TO BE FRAMED ACCORDING TO THE FOLLOWING MINIMUM REQUIREMENTS: UP TO 10'-0" WALL - 2X4 DF #2 STUDS @ 16" O.C. UP TO 15'-0" WALL - 2X6 DF #2 STUDS @ 16" O.C.	
2. ALL INTERIOR WALLS TO BE FRAMED WITH 2X4 NOM. DF#2 STUDS @ 16" O.C.	
WOOD ROOF DIAPHRAGM	
MARK	RD-1
7/16" (24/16 SPAN RATING) APA RATED SHEATHING EXPOSURE 1 UNBLOCKED WITH 8d COMMON NAILS @ 6" O.C. ALONG DIAPHRAGM PERIMETER, SHEAR WALL LINES, AND SUPPORTED PANEL EDGES AND 8d COMMON NAILS @ 12" O.C. IN THE FIELD. ALLOWABLE SHEAR = 230 PLF (CASE 1), 170 PLF (OTHER CASES)	
TOP PLATE SPLICE SCHEDULE	
TC-1:	8-16d NAILS= 8 X 93 X 1.6 = 1,190 LBS (MINIMUM)
TC-2:	10-16d NAILS= 1,488 LBS
TC-3:	15-16d NAILS= 2,230 LBS
TC-4:	20-16d NAILS= 2,976 LBS
TC-5:	24-16d NAILS= 3,570 LBS
TC-6:	SIMPSON MST 48 STRAP= 4,845 LBS
TC-7:	SIMPSON MST 60 STRAP= 6,400 LBS
WOOD 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	

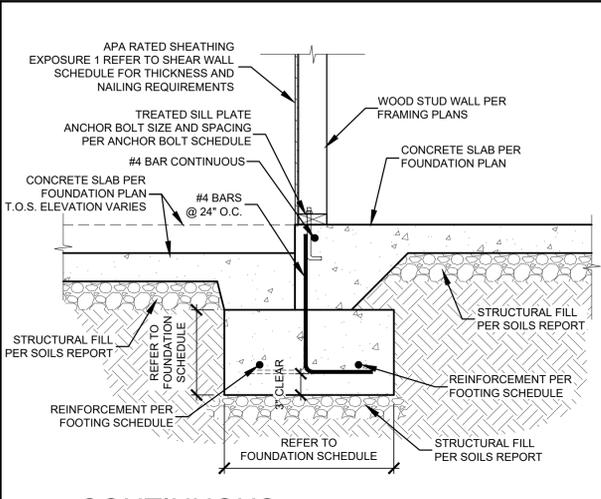
REVISION	NO.	DATE	BY
<p>1240 EAST 100 SOUTH SUITE 15-B ST. GEORGE, UTAH (PHONE) 435-628-1876 (FAX) 435-628-1788 (EMAIL) lrpope@lrpwest.com</p> <p>L. R. POPE ENGINEERING INC. STRUCTURAL ENGINEERS, CIVIL ENGINEERS & SURVEYORS</p> <p>ALL DIMENSIONS AND SPECIFICATIONS SHOWN AS PART OF THE SERVICES RENDERED BY L.R. POPE ENGINEERING INC. SHALL BE CONSIDERED TO BE THE BASIS FOR CONSTRUCTION UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND SPECIFICATIONS SHOWN IN PART FOR CONSTRUCTION AND FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.</p>			
<p>MILAN LOT 2 FOR ASSURED REAL ESTATE HENDERSON, NV ROOF FRAMING PLAN</p>			
		DATE:	
DRAWN BY: LRP		PROJECT NO:	
SHEET		S4.10	



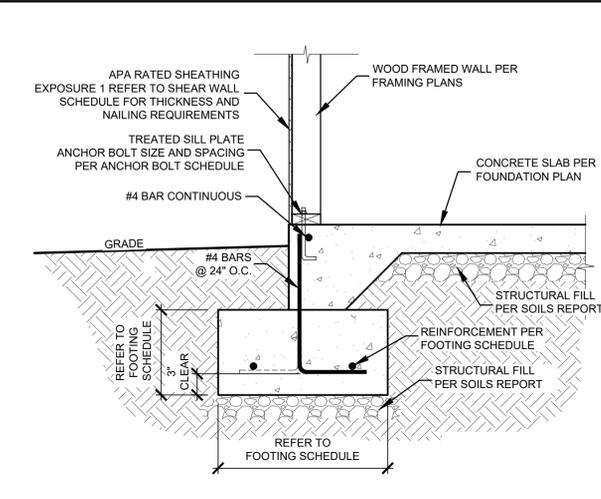
10 FLOOR TRUSSES PARALLEL TO SHEAR WALL
S5.10 SCALE:NTS



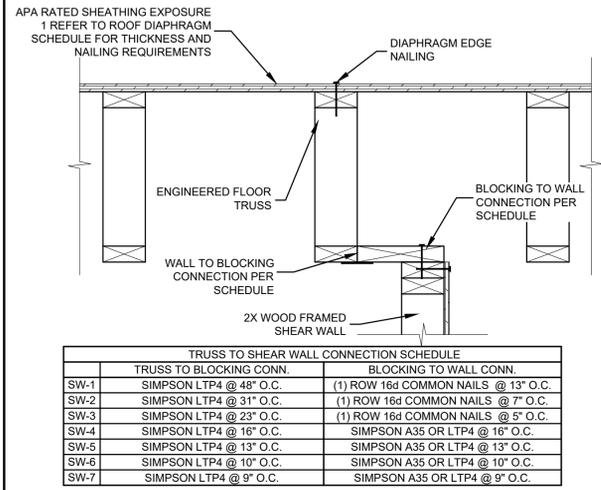
7 FLOOR TRUSSES ON BEARING/SHEAR WALL
S5.10 SCALE:NTS



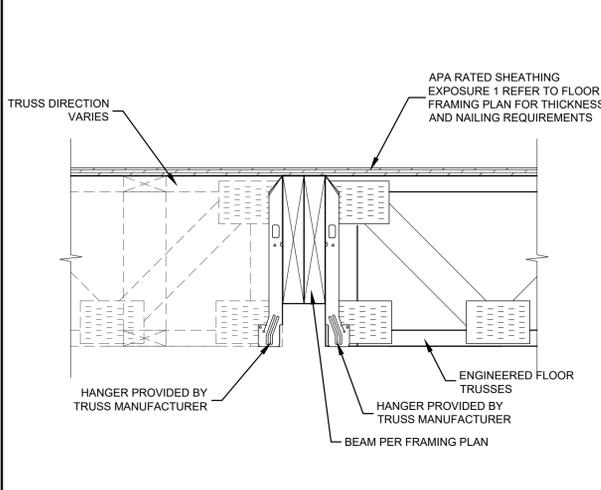
4 CONTINUOUS INTERIOR FOOTING IN GARAGE
S5.10 SCALE:NTS



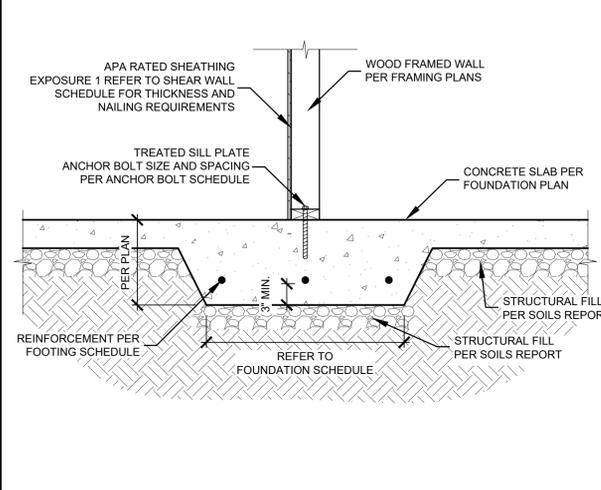
1 CONTINUOUS EXTERIOR FOOTING
S5.10 SCALE:NTS



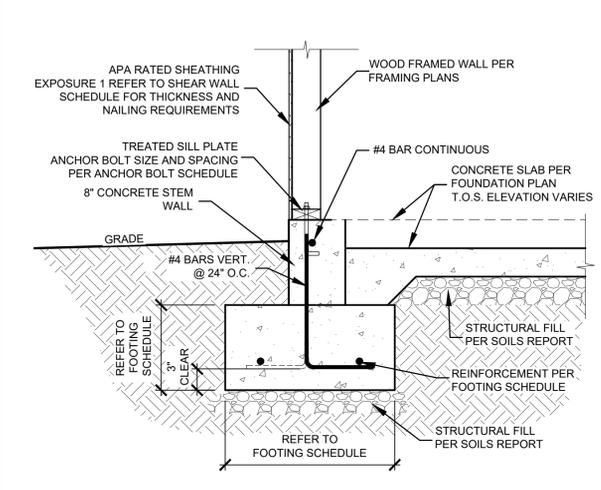
11 FLOOR TRUSSES PARALLEL TO SHEAR WALL
S5.10 SCALE:NTS



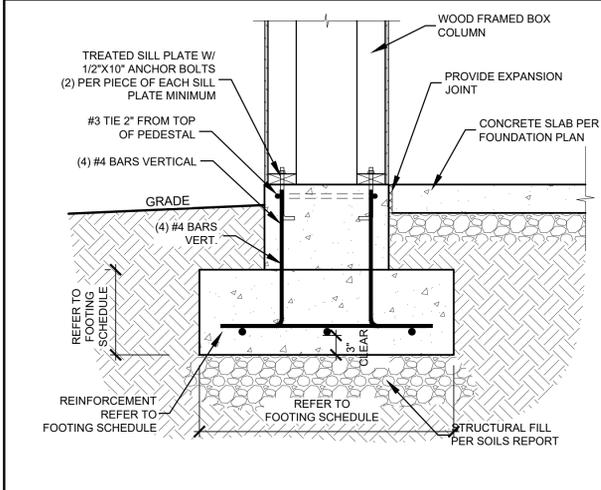
8 FLUSH BEAM
S5.10 SCALE:NTS



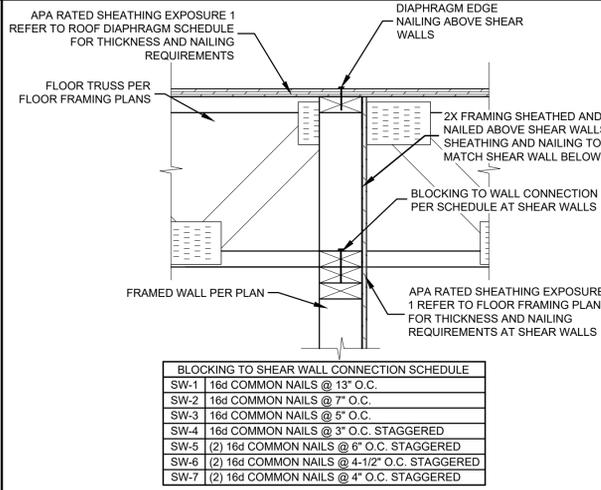
5 INTERIOR CONTINUOUS FOOTING
S5.10 SCALE:NTS



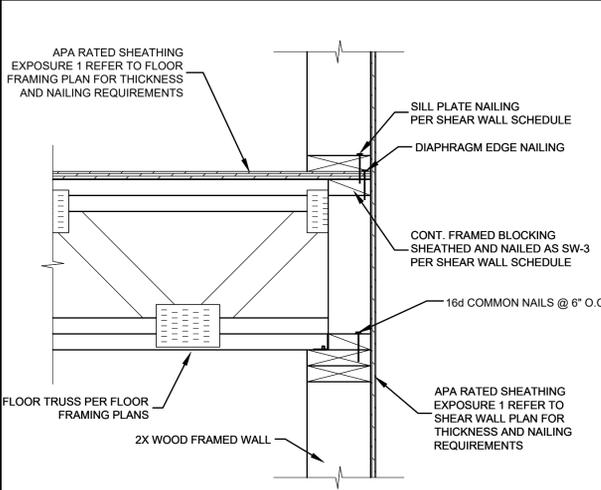
2 CONTINUOUS EXTERIOR FOOTING IN GARAGE
S5.10 SCALE:NTS



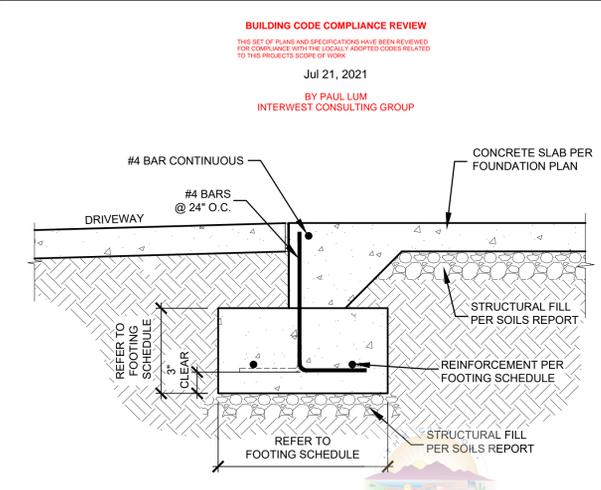
12 FRAMED BOX COLUMN SPOT FOOTING @ EDGE OF SLAB
S5.10 SCALE:NTS



9 FLOOR TRUSSES BEARING ON SHEAR WALL
S5.10 SCALE:NTS



6 FLOOR TRUSSES ON EXTERIOR BEARING/SHEAR WALL
S5.10 SCALE:NTS



3 CONTINUOUS EXTERIOR FOOTING
S5.10 SCALE:NTS

NO.	DATE	BY	REVISION

MILAN LOT 2
FOR ASSURED REAL ESTATE
HENDERSON, NV

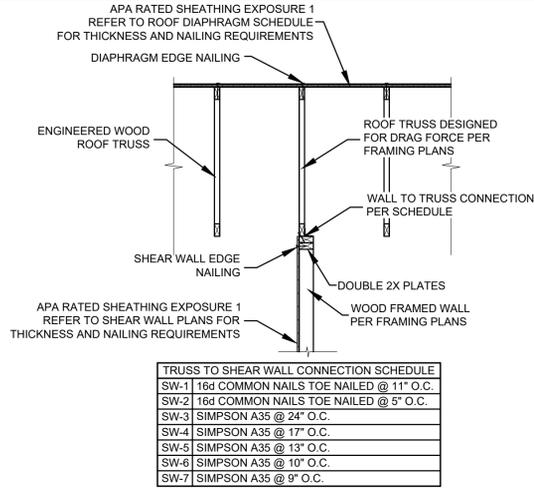
BUILDING CODE COMPLIANCE REVIEW
THIS SET OF PLANS AND SPECIFICATIONS HAVE BEEN REVIEWED FOR COMPLIANCE WITH THE LOCALLY ADOPTED CODES RELATED TO THIS PROJECT'S SCOPE OF WORK.
Jul 21, 2021
BY PAUL LUM
INTEREST CONSULTING GROUP

DATE: _____
DRAWN BY: LRP
PROJECT: _____
SHEET: S5.10



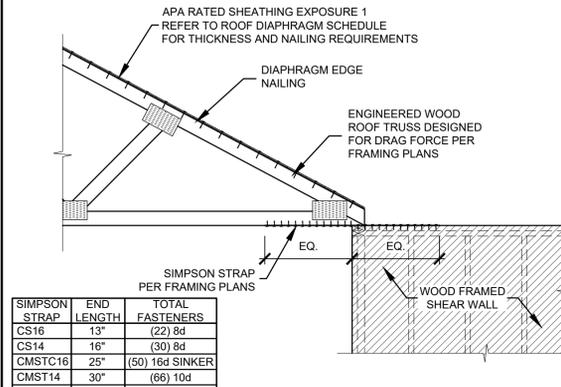
1240 EAST 100 SOUTH SUITE 15-B
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PHONE) 435-628-1678
(FAX) 435-628-1788
(EMAIL) lpope@inwest.com

L. R. POPE ENGINEERING INC.
STRUCTURAL ENGINEERS, CIVIL ENGINEERS & SURVEYORS



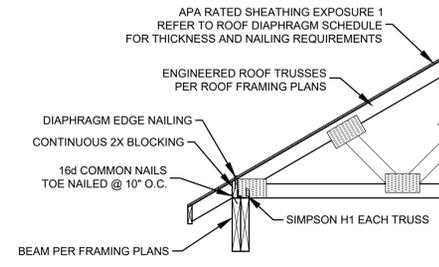
TRUSS TO SHEAR WALL CONNECTION SCHEDULE	
SW-1	16d COMMON NAILS TOE NAILED @ 11" O.C.
SW-2	16d COMMON NAILS TOE NAILED @ 5" O.C.
SW-3	SIMPSON A35 @ 24" O.C.
SW-4	SIMPSON A35 @ 17" O.C.
SW-5	SIMPSON A35 @ 13" O.C.
SW-6	SIMPSON A35 @ 10" O.C.
SW-7	SIMPSON A35 @ 9" O.C.

10 INTERIOR SHEAR WALL PARALLEL TO ROOF TRUSSES
S5.20 SCALE: NTS

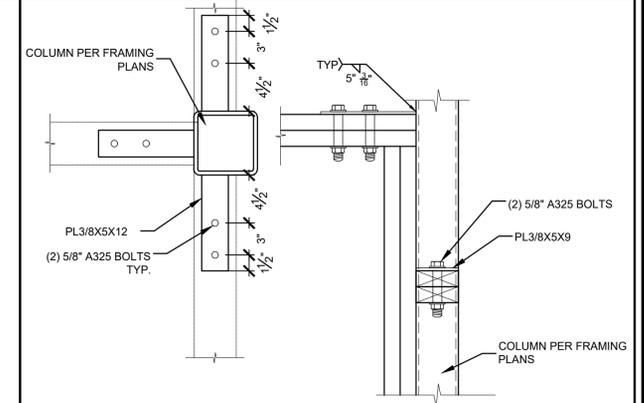


SIMPSON STRAP	END LENGTH	TOTAL FASTENERS
CS16	13"	(22) 8d
CS14	16"	(30) 8d
CMSTC16	25"	(50) 16d SINKER
CMST14	30"	(66) 10d
CMST12	39"	(86) 10d

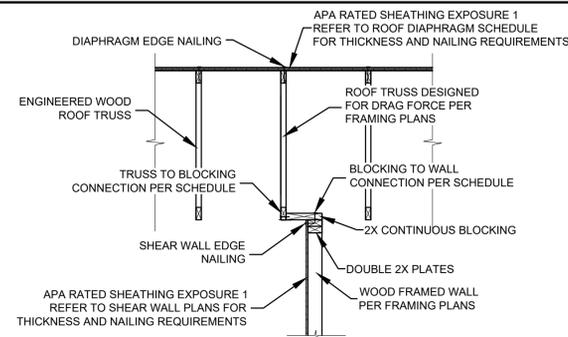
7 DRAG TRUSS TO SHEAR WALL
S5.20 SCALE: NTS



4 ROOF TRUSSES TO WOOD BEAM
S5.20 SCALE: NTS

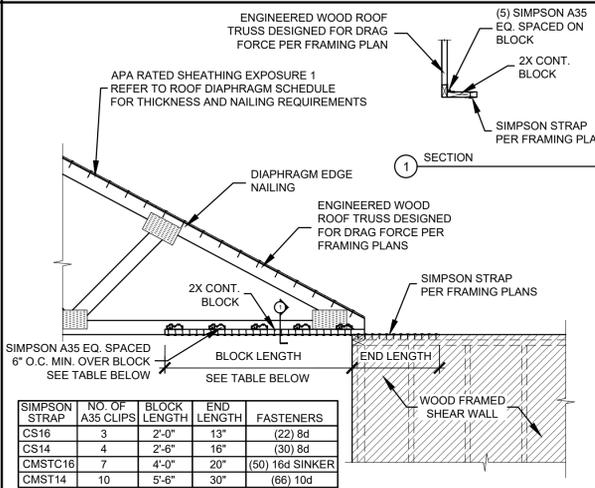


1 SHEAR TRANSFER STEEL COLUMN
S5.20 SCALE: NTS



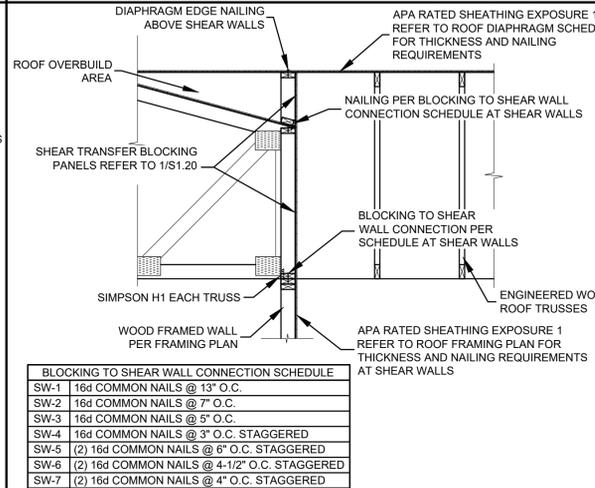
TRUSS TO SHEAR WALL CONNECTION SCHEDULE	
SW-1	16d COMMON NAILS @ 13" O.C.
SW-2	16d COMMON NAILS @ 7" O.C.
SW-3	16d COMMON NAILS @ 5" O.C.
SW-4	SIMPSON A35 OR LTP4 @ 16" O.C.
SW-5	SIMPSON A35 OR LTP4 @ 13" O.C.
SW-6	SIMPSON A35 OR LTP4 @ 10" O.C.
SW-7	SIMPSON A35 OR LTP4 @ 9" O.C.

11 INTERIOR SHEAR WALL PARALLEL TO ROOF TRUSSES
S5.20 SCALE: NTS



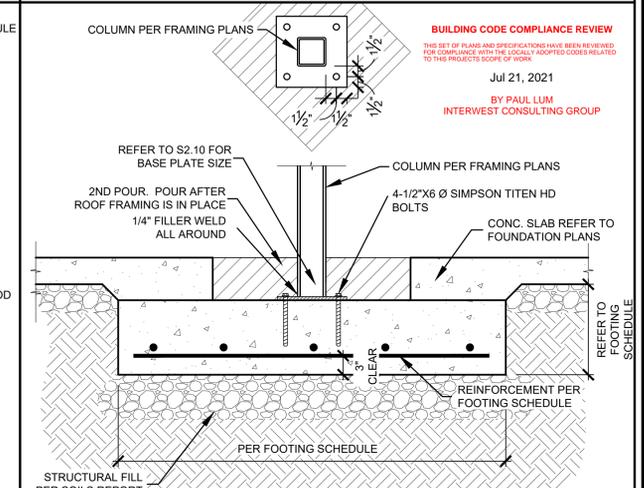
SIMPSON STRAP	NO. OF A35 CLIPS	BLOCK LENGTH	END LENGTH	FASTENERS
CS16	3	2'-0"	13"	(22) 8d
CS14	4	2'-6"	16"	(30) 8d
CMSTC16	7	4'-0"	20"	(50) 16d SINKER
CMST14	10	5'-6"	30"	(66) 10d

8 OFFSET DRAG TRUSS TO SHEAR WALL
S5.20 SCALE: NTS

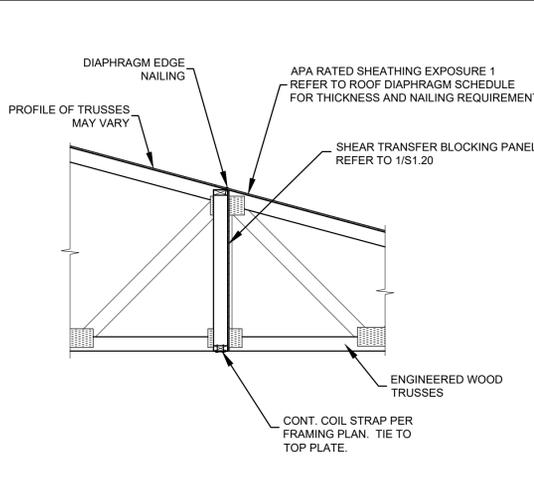


BLOCKING TO SHEAR WALL CONNECTION SCHEDULE	
SW-1	16d COMMON NAILS @ 13" O.C.
SW-2	16d COMMON NAILS @ 7" O.C.
SW-3	16d COMMON NAILS @ 5" O.C.
SW-4	16d COMMON NAILS @ 3" O.C. STAGGERED
SW-5	(2) 16d COMMON NAILS @ 6" O.C. STAGGERED
SW-6	(2) 16d COMMON NAILS @ 4-1/2" O.C. STAGGERED
SW-7	(2) 16d COMMON NAILS @ 4" O.C. STAGGERED

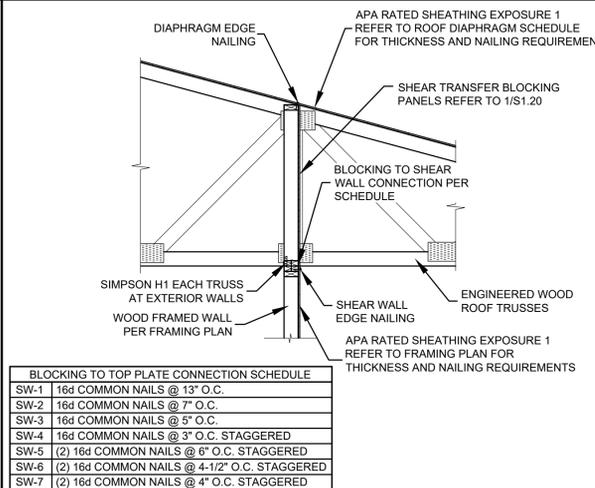
5 ROOF TRUSS BEARING ON INTERIOR SHEAR/BEARING WALL
S5.20 SCALE: NTS



2 STEEL COLUMN SPOT FOOTING
S5.20 SCALE: NTS

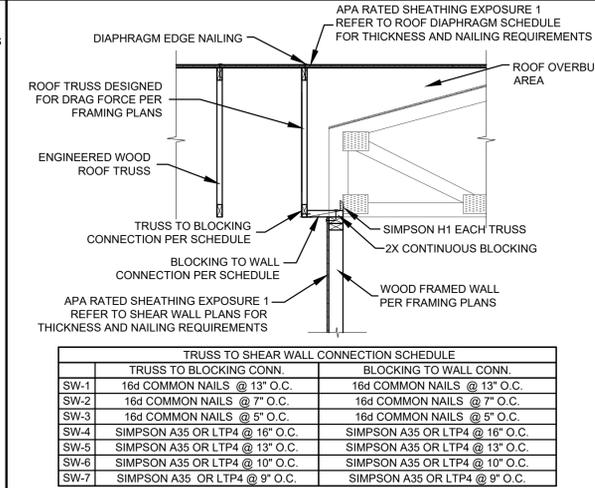


12 DRAG BLOCKING
S5.20 SCALE: NTS



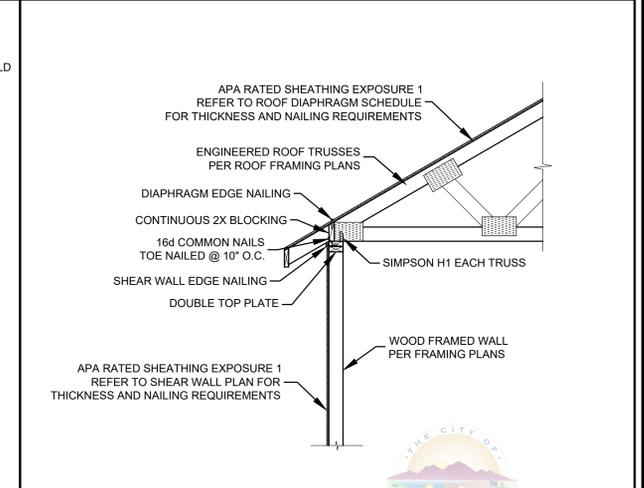
BLOCKING TO TOP PLATE CONNECTION SCHEDULE	
SW-1	16d COMMON NAILS @ 13" O.C.
SW-2	16d COMMON NAILS @ 7" O.C.
SW-3	16d COMMON NAILS @ 5" O.C.
SW-4	16d COMMON NAILS @ 3" O.C. STAGGERED
SW-5	(2) 16d COMMON NAILS @ 6" O.C. STAGGERED
SW-6	(2) 16d COMMON NAILS @ 4-1/2" O.C. STAGGERED
SW-7	(2) 16d COMMON NAILS @ 4" O.C. STAGGERED

9 ROOF TRUSS ON INTERIOR OR EXTERIOR SHEAR/BEARING WALL
S5.20 SCALE: NTS



TRUSS TO SHEAR WALL CONNECTION SCHEDULE	
SW-1	16d COMMON NAILS @ 13" O.C.
SW-2	16d COMMON NAILS @ 7" O.C.
SW-3	16d COMMON NAILS @ 5" O.C.
SW-4	SIMPSON A35 OR LTP4 @ 16" O.C.
SW-5	SIMPSON A35 OR LTP4 @ 13" O.C.
SW-6	SIMPSON A35 OR LTP4 @ 10" O.C.
SW-7	SIMPSON A35 OR LTP4 @ 9" O.C.

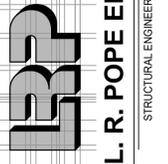
6 INTERIOR SHEAR WALL PARALLEL TO ROOF TRUSSES
S5.20 SCALE: NTS



3 ROOF TRUSS ON EXTERIOR BEARING WALL
S5.20 SCALE: NTS

NO.	DATE	BY	REVISION

1240 EAST 100 SOUTH SUITE 15-B
ST. GEORGE, UTAH
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(FAX) 435-628-1788
(EMAIL) lrpope@lropoeng.com

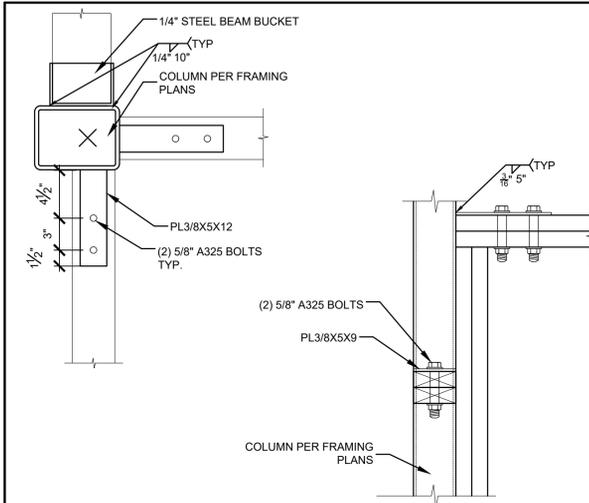


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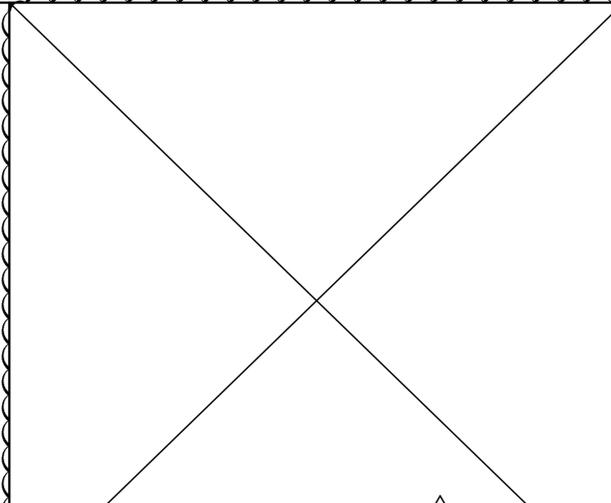
MILAN LOT 2
FOR ASSURED REAL ESTATE
HENDERSON, NV



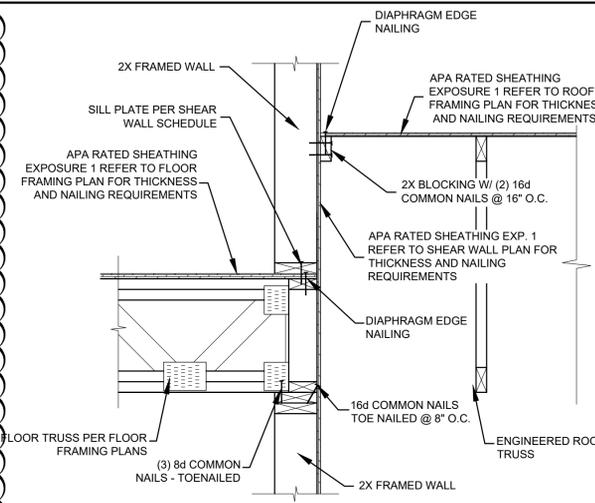
DATE: _____
DRAWN BY: LRP PROJECT: _____
SHEET: S5.20



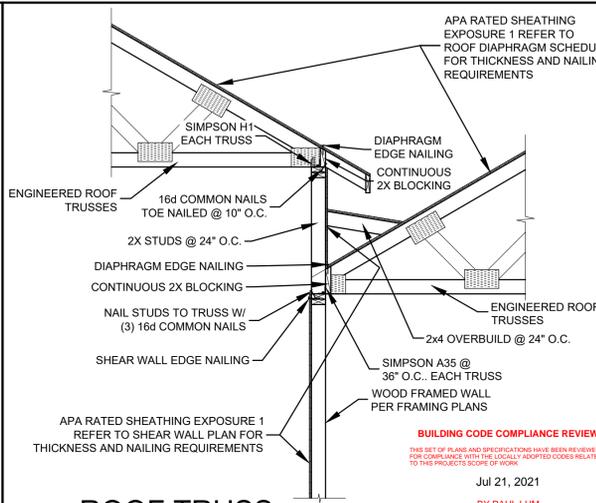
10 SHEAR TRANSFER STEEL COLUMN
S5.30 SCALE: NTS



7
S5.30



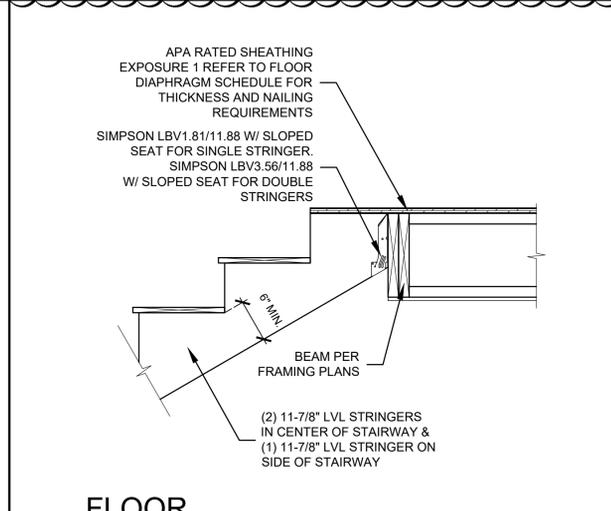
4 ROOF TRUSSES ON FLOOR BEAM
S5.30 SCALE: NTS



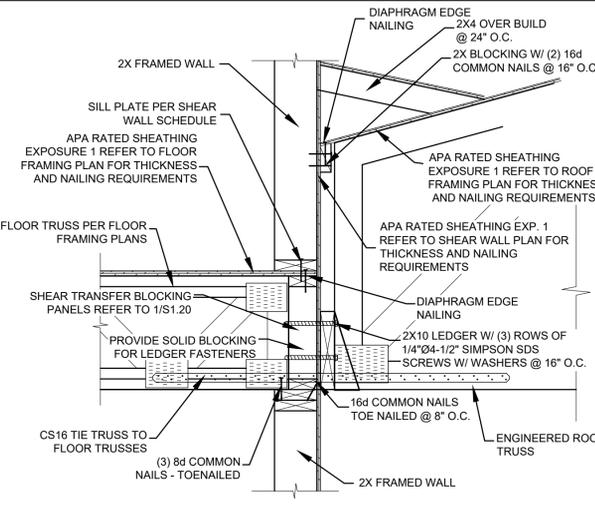
1 ROOF TRUSS ON EXTERIOR BEARING WALL
S5.30 SCALE: NTS



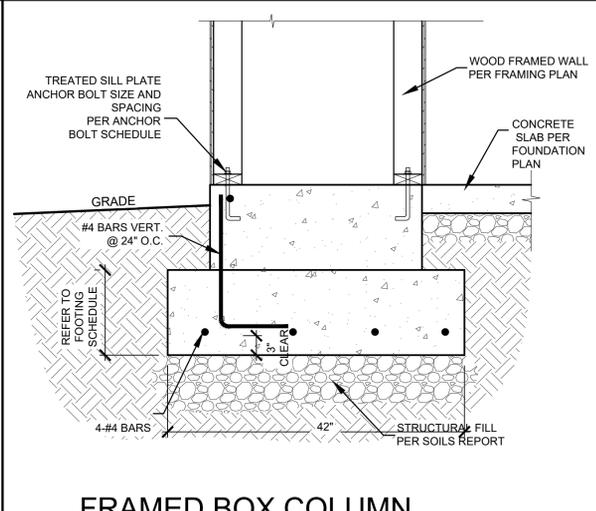
11
S5.30



8 FLOOR JOISTS BEARING ON FLUSH BEAM
S5.30 SCALE: NTS



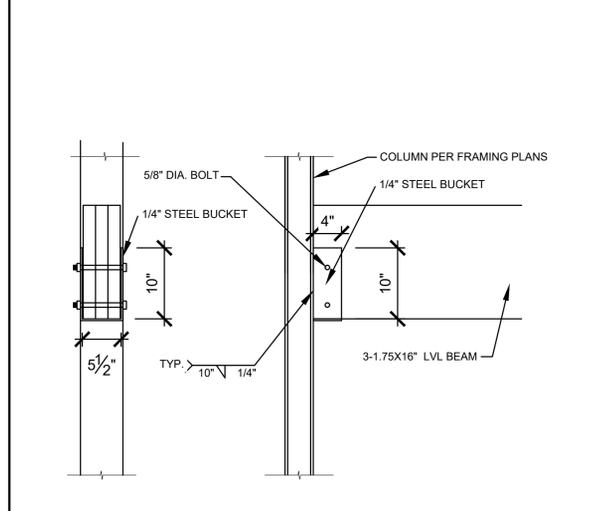
5 ROOF TRUSSES ON SHEAR WALL
S5.30 SCALE: NTS



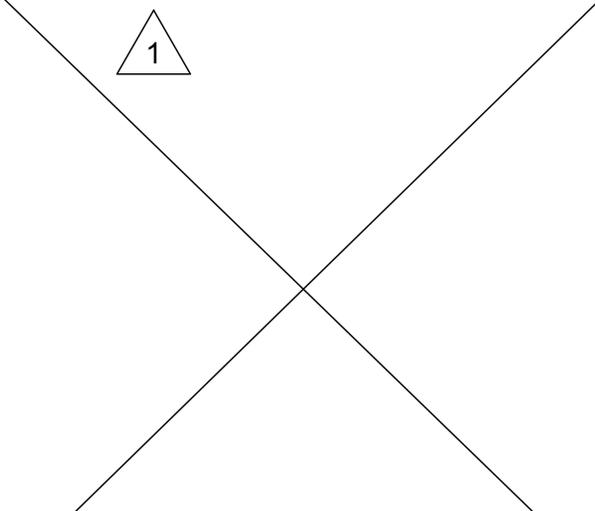
2 FRAMED BOX COLUMN SPOT FOOTING @ EDGE OF SLAB
S5.30 SCALE: NTS



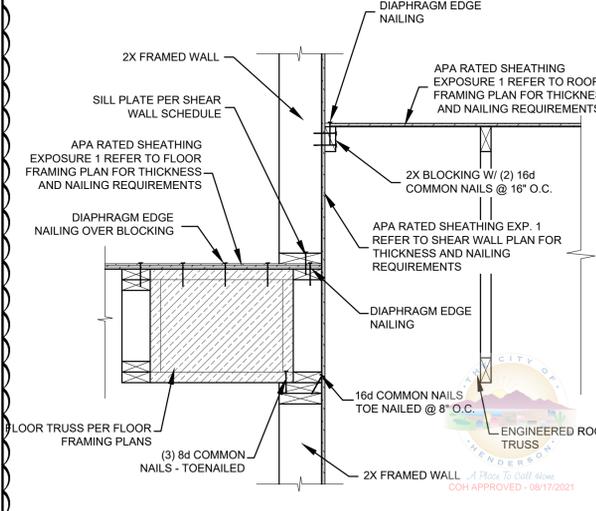
12
S5.30



9 STEEL COLUMN BEAM CONNECTION
S5.30 SCALE: NTS



6
S5.30



3 ROOF TRUSSES ON FLOOR BEAM
S5.30 SCALE: NTS

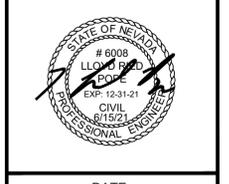
NO.	DATE	BY	REVISION

1240 EAST 100 SOUTH SUITE 15-B
ST. GEORGE, UTAH
(PHONE) 435-628-1876
(FAX) 435-628-1788
(EMAIL) lrpope@lropewest.com

L.R. POPE ENGINEERING INC.
STRUCTURAL ENGINEERS, CIVIL ENGINEERS & SURVEYORS

ALL DIMENSIONS AND SPECIFICATIONS UNLESS OTHERWISE SPECIFIED ARE TO BE IN ACCORDANCE WITH THE UTAH BUILDING CODE, THE UTAH STRUCTURAL STEEL BUILDING CODE, AND THE UTAH CONCRETE BUILDING CODE. THE DESIGNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL JURISDICTION. THE DESIGNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL JURISDICTION. THE DESIGNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL JURISDICTION.

MILAN LOT 2
FOR ASSURED REAL ESTATE
HENDERSON, NV
STRUCTURAL DETAILS



DATE: _____
DRAWN BY: LRP PROJECT NO: _____
SHEET
S5.30