

CODE SUMMARY

APPLICABLE CODE:

PER CITY

ZONING CLASSIFICATION: R-110

DESIGN LOADS: SEE ENGINEERING

BUILDING AREAS:

MAIN FLOOR LIVEABLE 1785 SQ.FT.

UPPER FLOOR LIVEABLE 1605 SQ. FT.

BASEMENT AREA 1749 SQ.FT.

BASEMENT FINISHED 1454 SQ.FT.

TOTAL SQ. FT. 5139

FINISHED SQ. FT. 4844

OTHER AREAS:

GARAGE AREA 900 SQ.FT.

ENTRY PORCH 40 SQ.FT.

REAR PATIO 64 SQ. FT.

ALL WORK SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE, COUNTRY, CITY AND UTILITY COMPANY CODES AND REGULATIONS.

PROJECT INFORMATION

OWNER: Josh and Katelyn Strobel Cockrell

GENERAL CONTRACTOR: Owner Builder

SITE LEGAL DESCRIPTON:

ASSESSOR'S TAX PARCEL NUMBER (A.P.N. 53: 516: 0204)

ZONING CLASSIFICATION: R-110

PROJECT STREET ADDRESS: 4875 N. Vialeto Way, Lehi, UT, 84043

THESE DRAWINGS ARE PART OF A SET OF CONSTRUCTION DOCUMENTS. THE CONSTRUCTION DOCUMENTS CONSIST OF ONE OR MORE OF THE FOLLOWING ELEMENTS:

- CONSTRUCTION DRAWINGS
- SPECIFICATIONS
- STRUCTURAL CALCULATIONS
- CONTRACT FORMS & CONDITIONS
- MODIFICATIONS & REVISIONS

CONTRACTORS, SUBCONTRACTORS, AND OTHERS WHO PROVIDE LABOR AND/OR MATERIALS REFERENCING THESE DRAWINGS ARE RESPONSIBLE FOR OBTAINING AND REVIEWING ALL CURRENT CONSTRUCTION DOCUMENTS.

CONTRACTORS, SUBCONTRACTORS, AND OTHERS ARE TO REPORT ANY DISCREPANCIES OR ERRORS TO THE CUSTOM HOME COMPANY, LLC. ANY CHANGES TO THE PROJECT WILL BE VERIFIED WITH THE OWNER AND/OR BUILDER AND REVISIONS MADE. CONTRACTORS ARE NOT TO MAKE ALTERATIONS OF ANY KIND WITHOUT PRIOR WRITTEN CONSENT. DISCREPANCIES NOT REPORTED IMMEDIATELY ARE RESPONSIBILITY OF CONTRACTOR.

CONTRACTORS SHALL NOT SCALE FROM DRAWINGS.

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ANY CHANGE TO THE APPROVED PLANS NEED TO BE SUBMITTED TO AND APPROVED BY THE BUILDING DEPT. BEFORE THE CHANGE IS STARTED.

ALL PAPER WORK INCLUDED IS PART OF THE APPROVED SET OF PLANS

PLAN NO. 4875 N. VIALETO WAY.
LEHI, UT, LOT 204

JOSH AND KATIE

A0.1

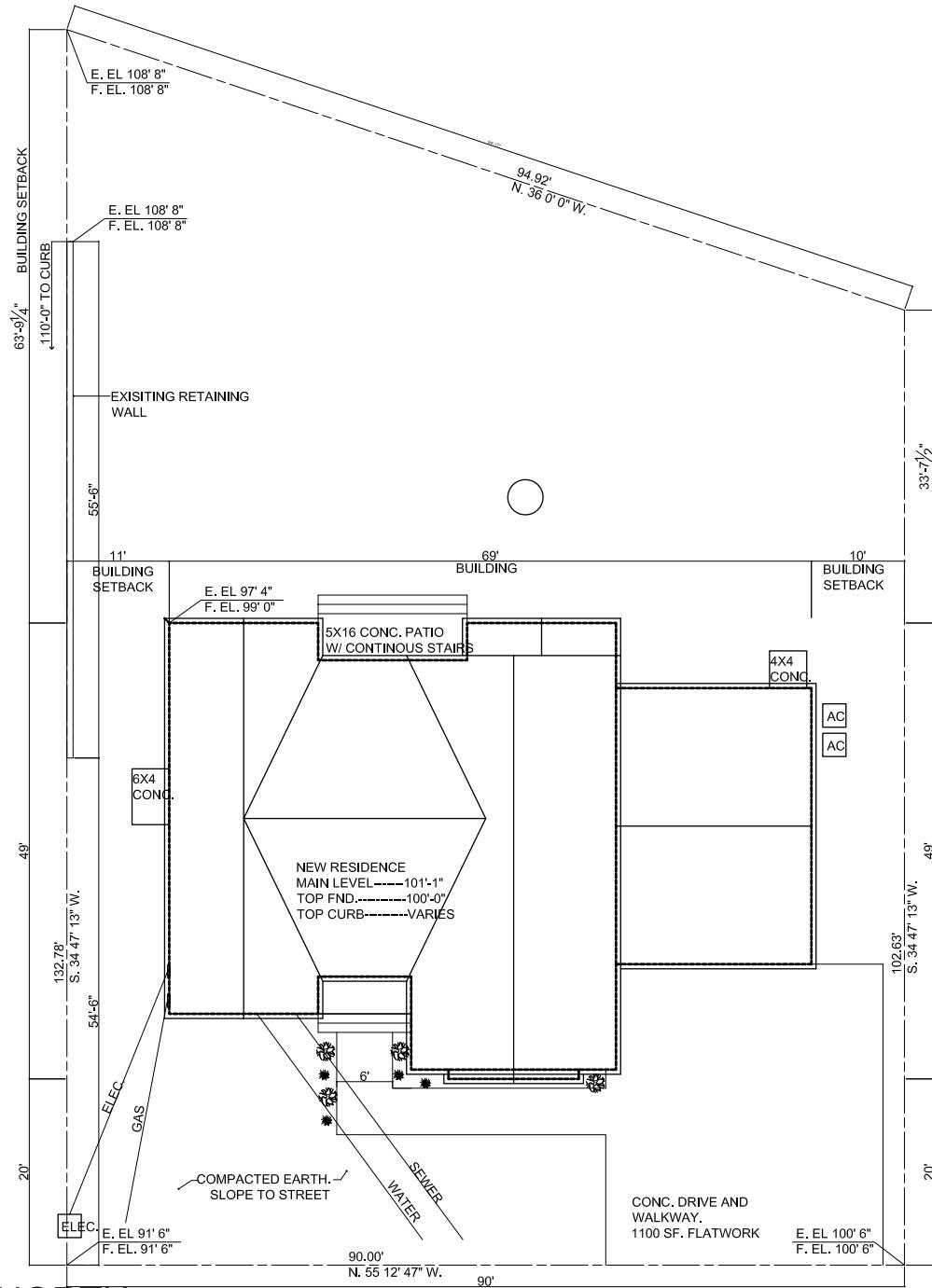
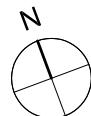


REVIEWED
ARNIE HUNT
03/04/2021

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SITE PLAN-DECK NORTH

4875 N. VIALETT WAY, LEHI, UT.



1" = 10'-0"



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A1.1

PLAN NO. 14x20-1C1D
JOSH

SCALE: $\frac{1}{64}$ = 1'-0"
DATE:
FEB 5, 2021

SITE PLAN

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**FIRESTOP ALL
PERIMETER WALLS**

**FIRESTOP ALL CHASES AT
FLOOR AND ATTIC**

**EGRESS LADDER REQUIRED IN BASEMENT
BEDROOM WINDOW WELLS OVER 44" IN DEPTH**

① BASEMENT FLOOR PLAN

$\frac{1}{4} = 1'-0"$ NOTE: SEE ROOF FRAMING PLAN FOR BEAM INFORMATION



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03/04/2021

A2.1

SCALE: $\frac{1}{4}$ " = 1'-0"

BASEMENT
FLOOR PLAN

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JOSH H

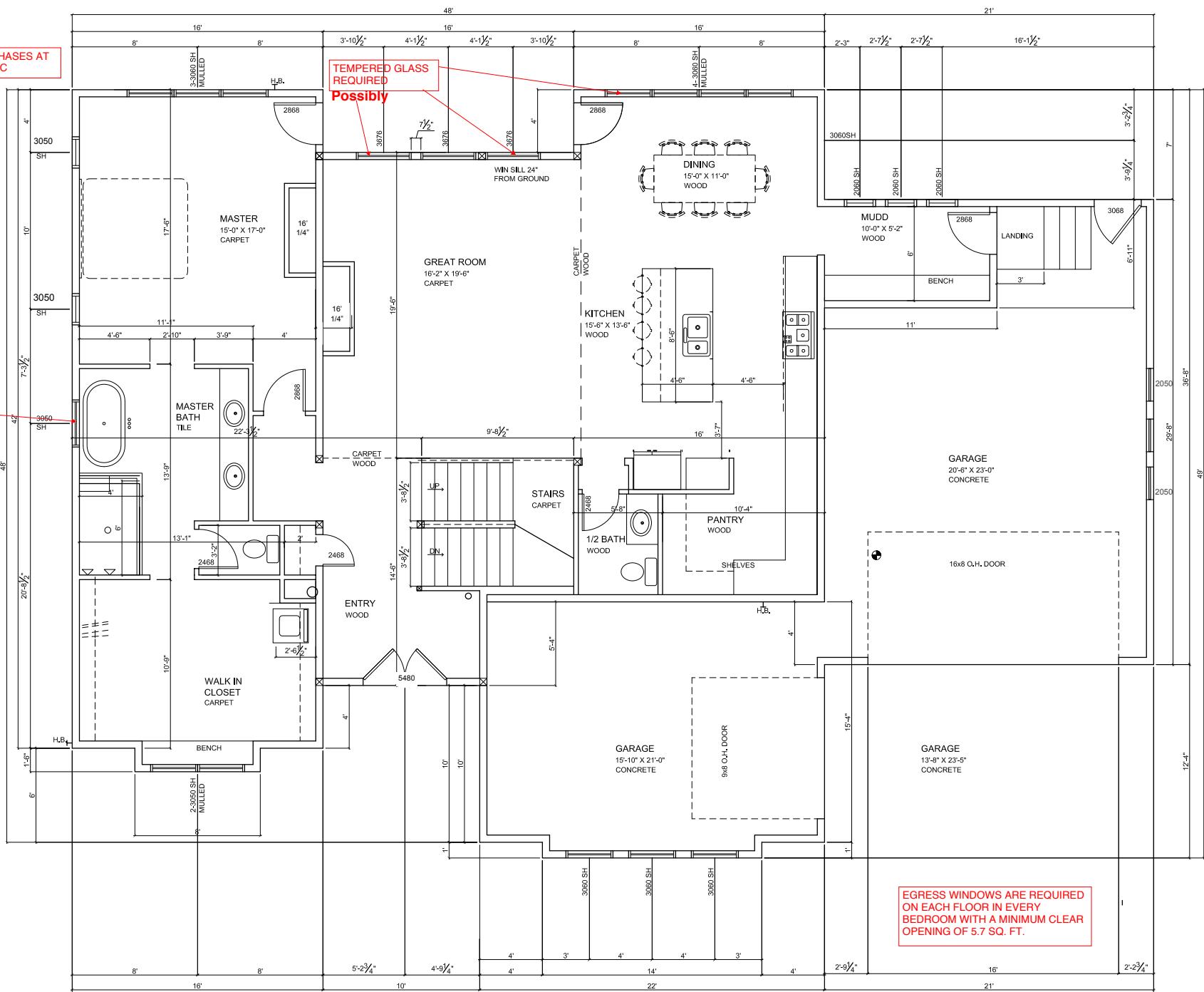
Big Idea Designs
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JOSH

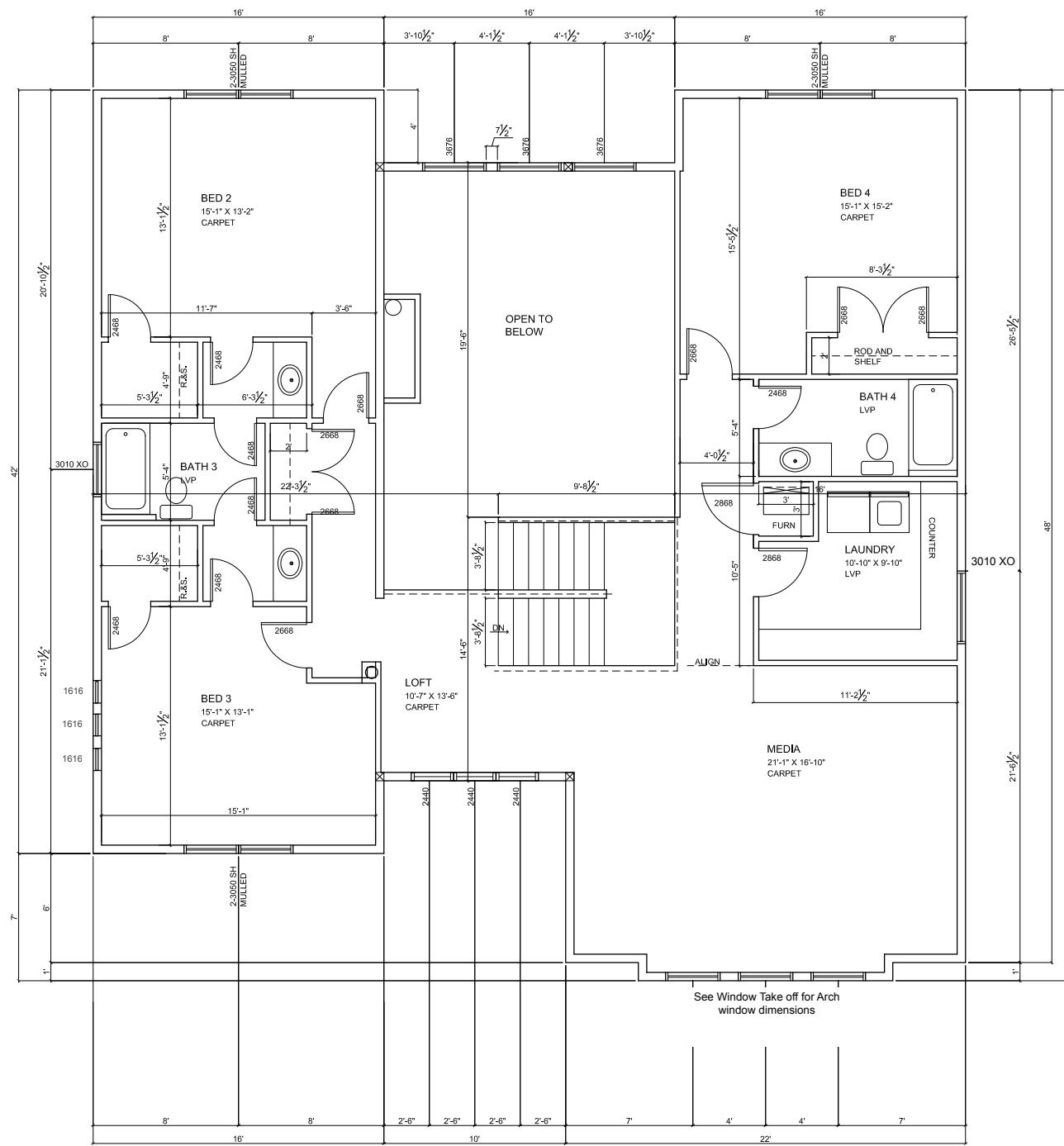
PLAN NO. 14x20-1C1D

SCALE: $\frac{1}{8}$ " = 1'-0"
 DATE:

MAIN FLOOR PLAN



A2.2



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03/04/2021

A2.3

PLAN NO. 14x20-1C1D
JOSH

SCALE: $\frac{1}{8}'' = 1'-0"$
DATE:

UPPER
FLOOR PLAN

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A3.1

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JOSH

PLAN NO. 14x20-1C1D

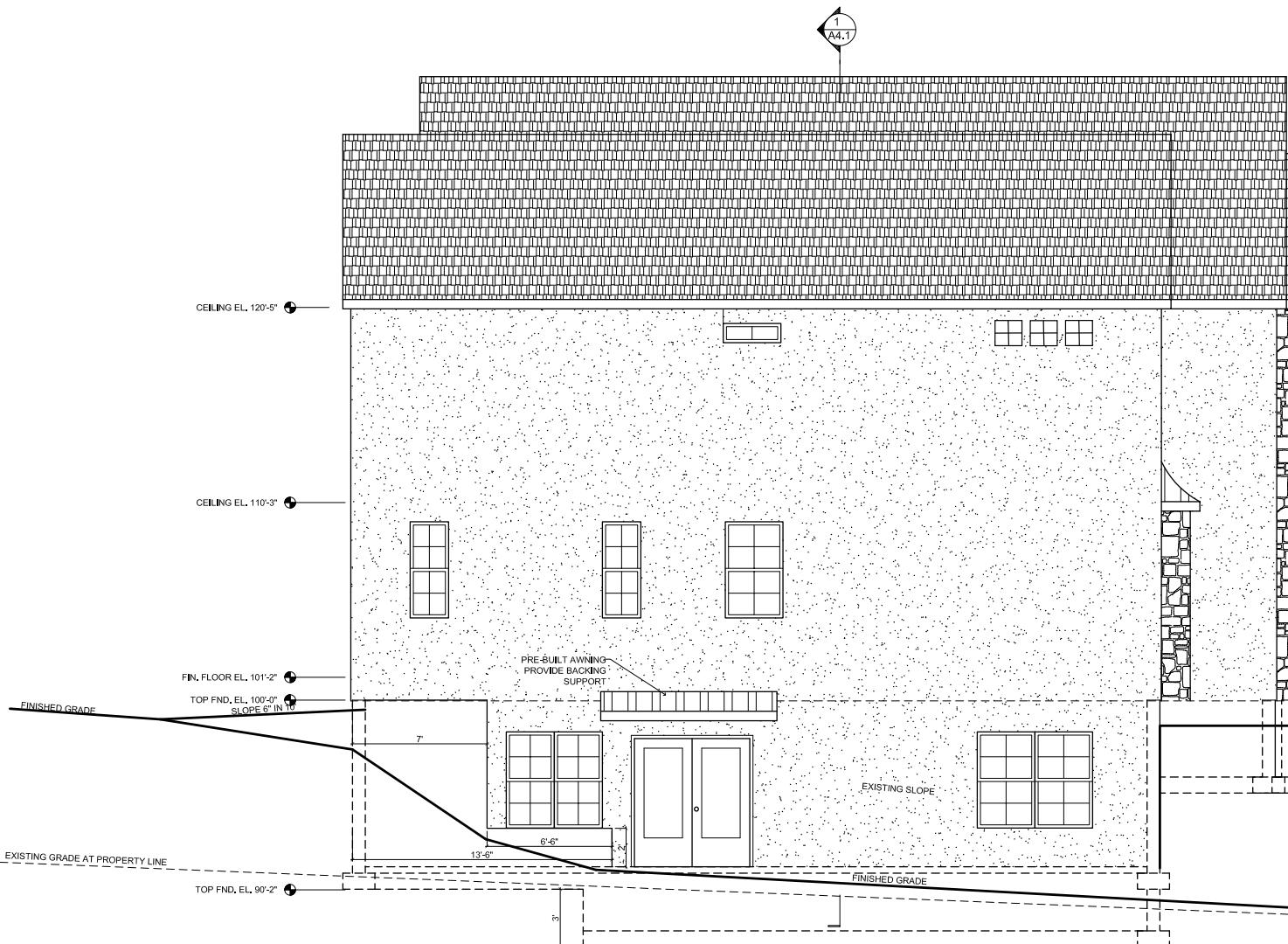
EXTERIOR ELEVATIONS

APPROX GRADE AT CENTER OF HOUSE
 APPROX GRADE AT PROPERTY LINE (DATE:)
 APPROX GRADE AT PROPERTY LINE (DATE:)
 SCALE: 1" = 10'



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A3.2





① REAR ELEVATION

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PLAN NO. 14x20-1C1D
JOSH

SCALE: $\frac{1}{8}$ " = 1'-0"

DATE:

EXTERIOR ELEVATIONS



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03/04/2021

A3.3

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JOSH

PLAN NO. 14x20-1C1D

SCALE:

DATE:

EXTERIOR ELEVATIONS



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A3.4

CEILING EL. 120'-5"

FLASH AROUND ALL WINDOWS
REQUIRED CODE SECTION R703

FIN. EL. AT FRONT OF HOUSE

3010

12 8

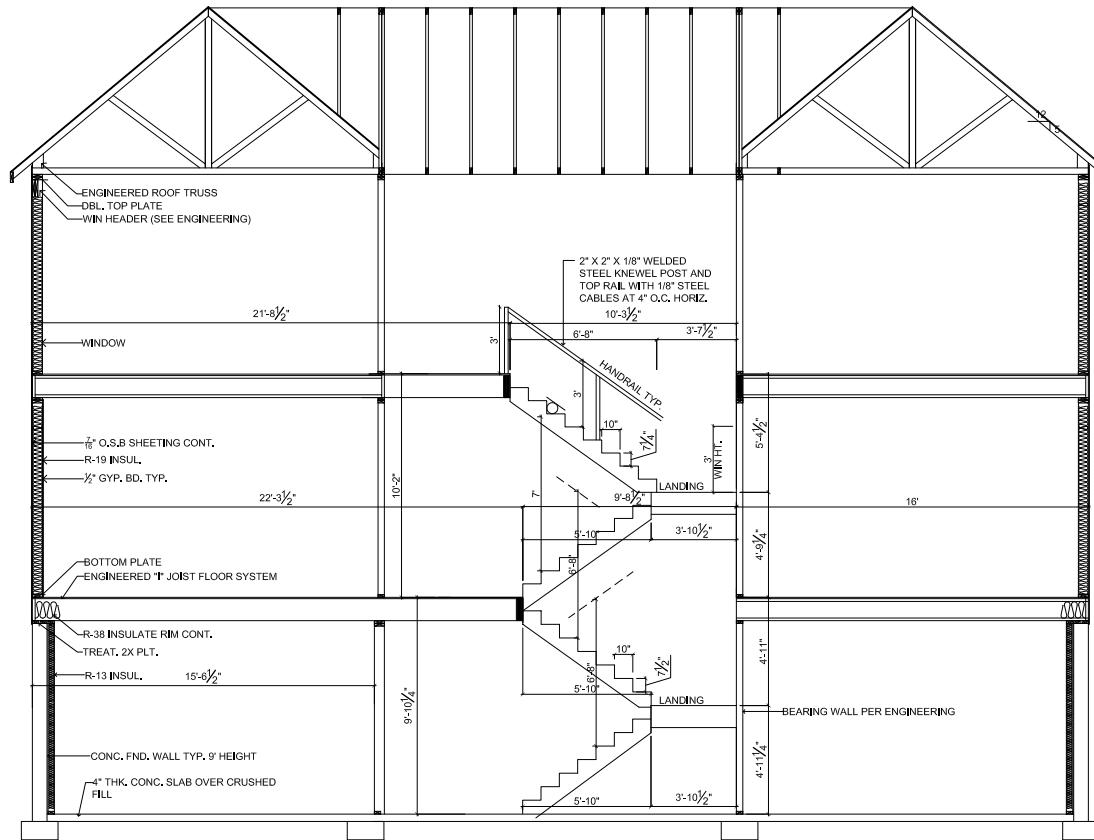
2050

2050

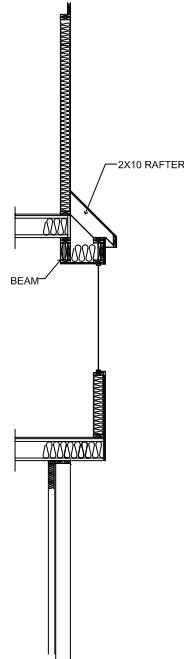
2050

SLOPE 6" IN 10'

① RIGHT ELEVATION



1 SECTION



2 SECTION

JOSH

PLAN NO. 14x20-1C1D

SCALE:

DATE:

BUILDING SECTION



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03/04/2021**

A4.1

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JOSH

PLAN NO. 14x20-IC1D

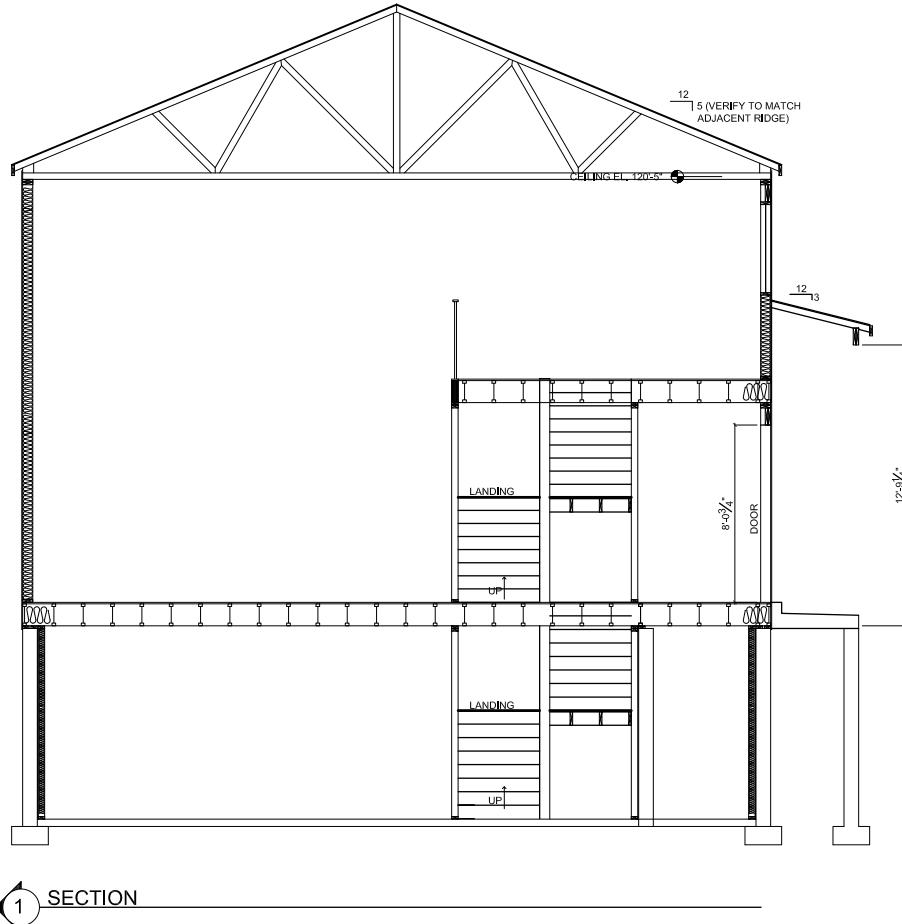
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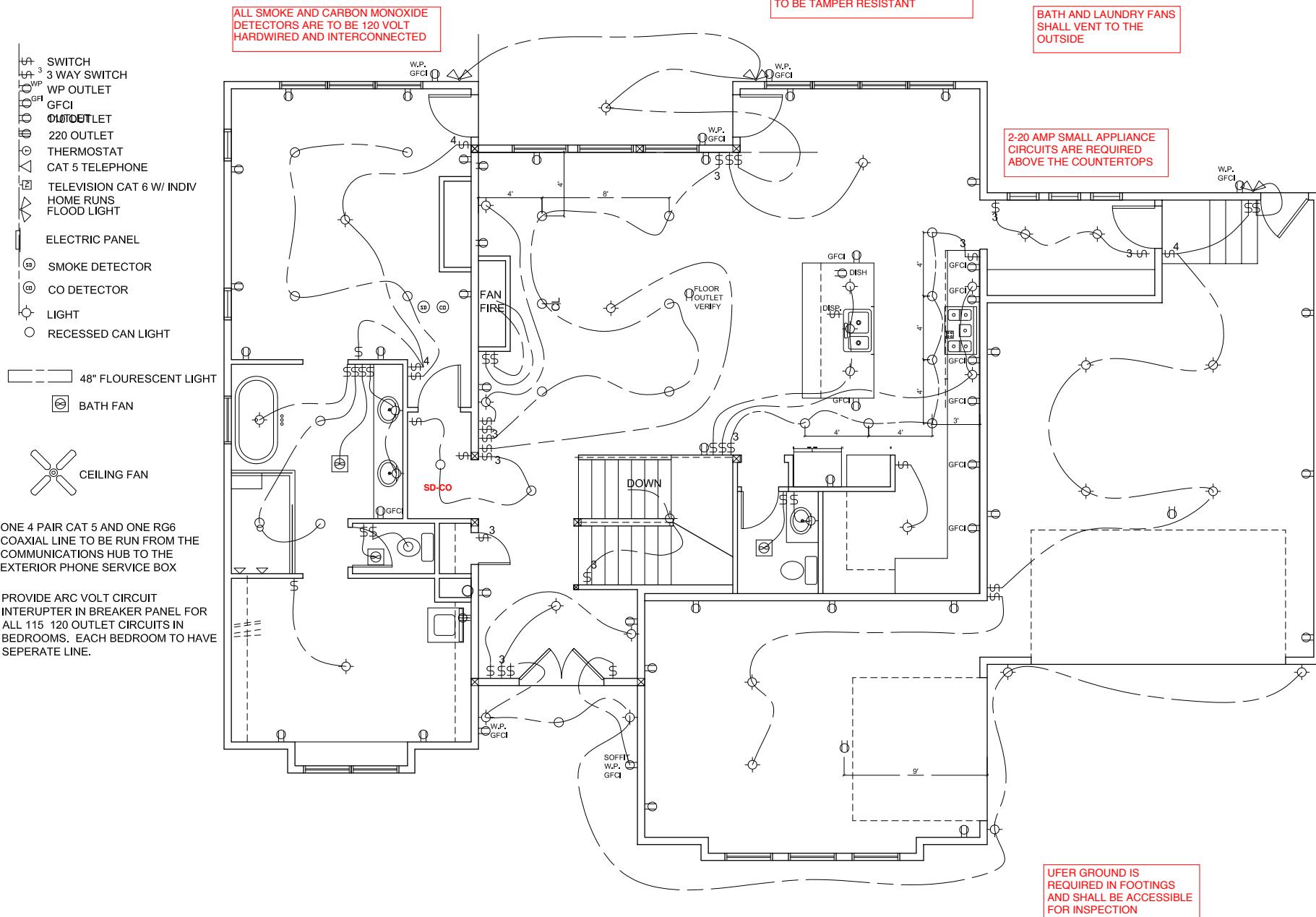
DATE:

BUILDING SECTION



A4.2





MAIN FLOOR ELECTRICAL

NFC



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03/04/2021**

E1.1

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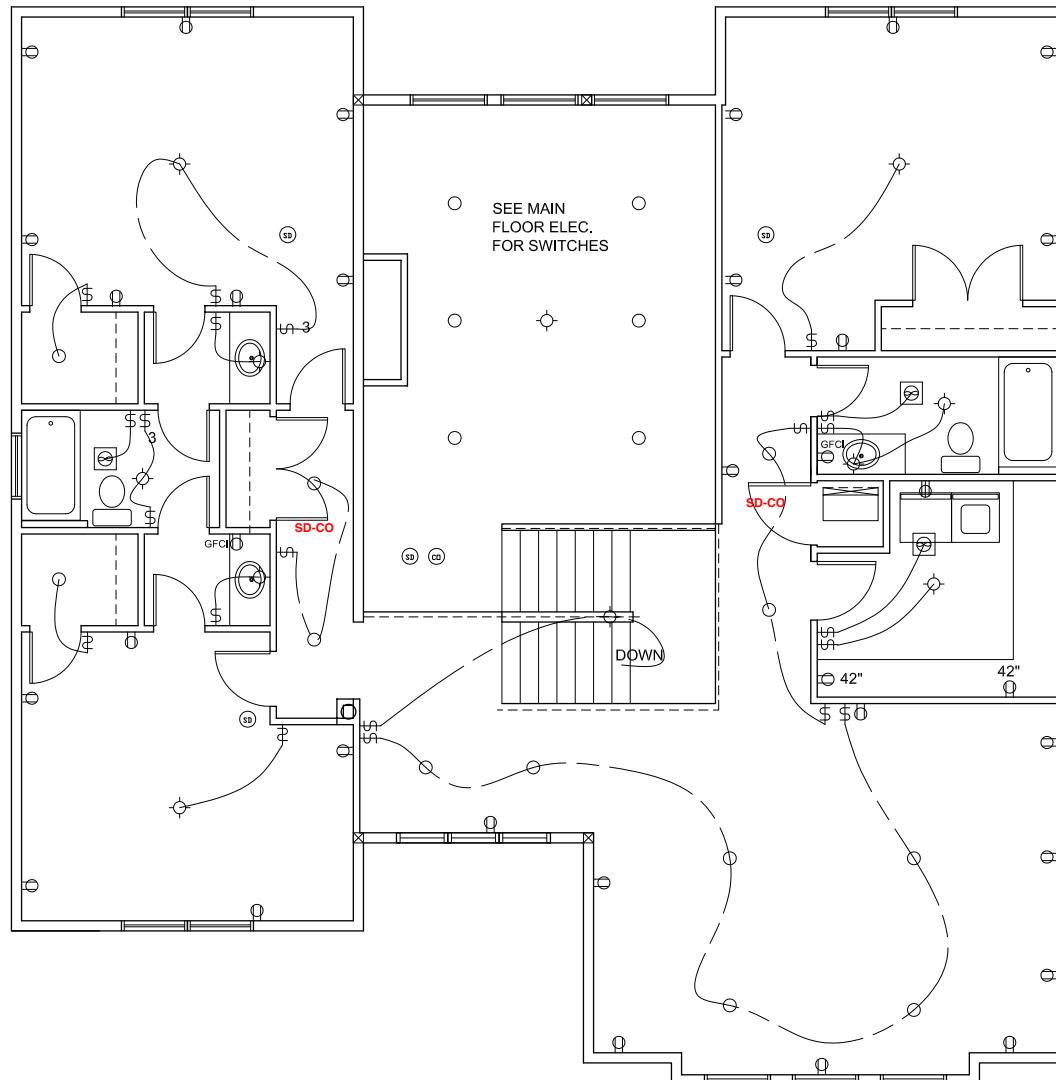
JOSH

PLAN NO. 14x20-1C1D

SCALE: $\frac{1}{8}$ " = 1'-0"

DATE:

UPPER FLR.
ELECTRICAL



UPPER FLOOR ELECTRICAL

N.T.S.



E1.2

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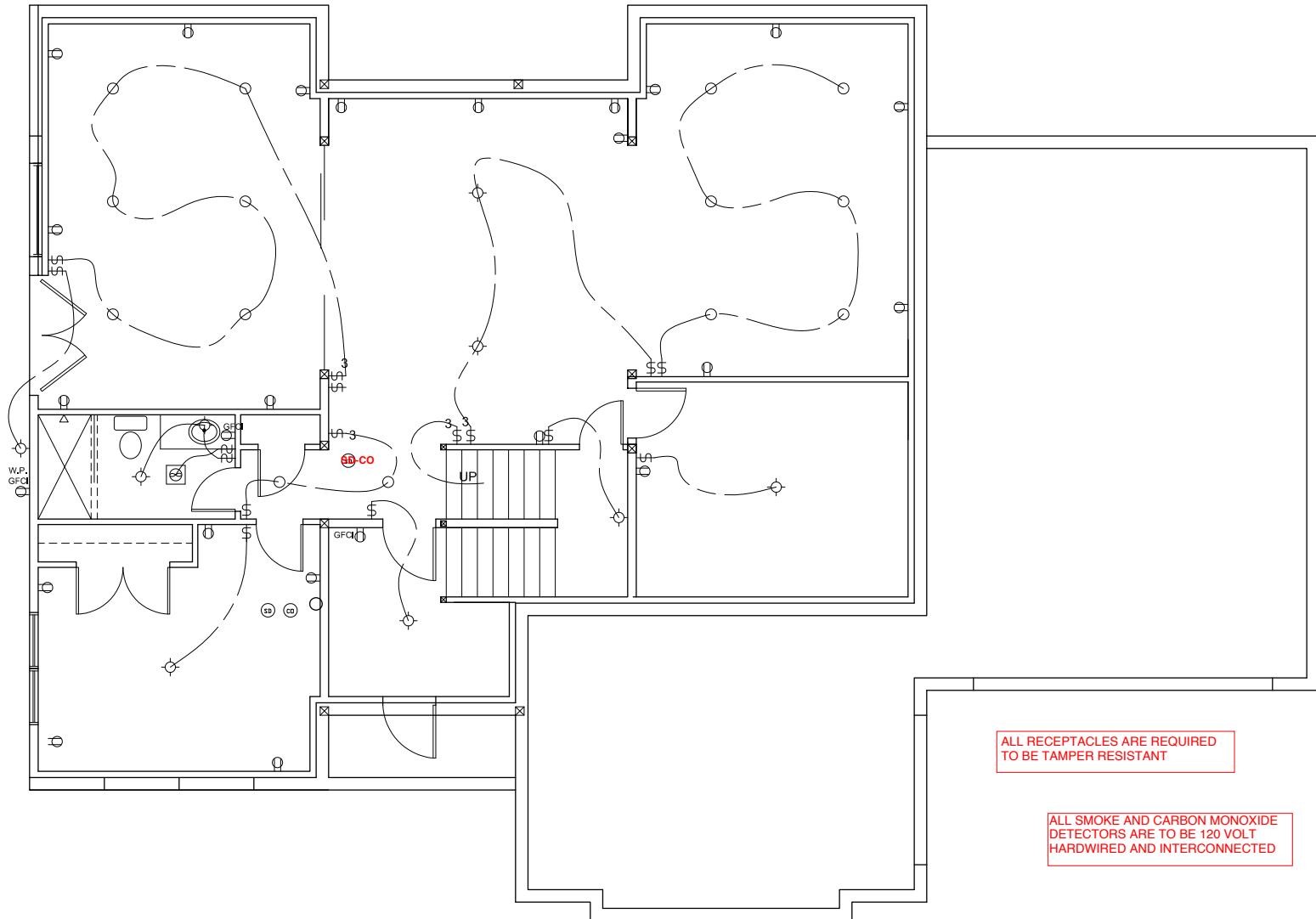
JOSH

PLAN NO. 14x20-IC10

SCALE: $\frac{1}{8}$ " = 1'-0"

DATE:

UPPER FLR.
ELECTRICAL

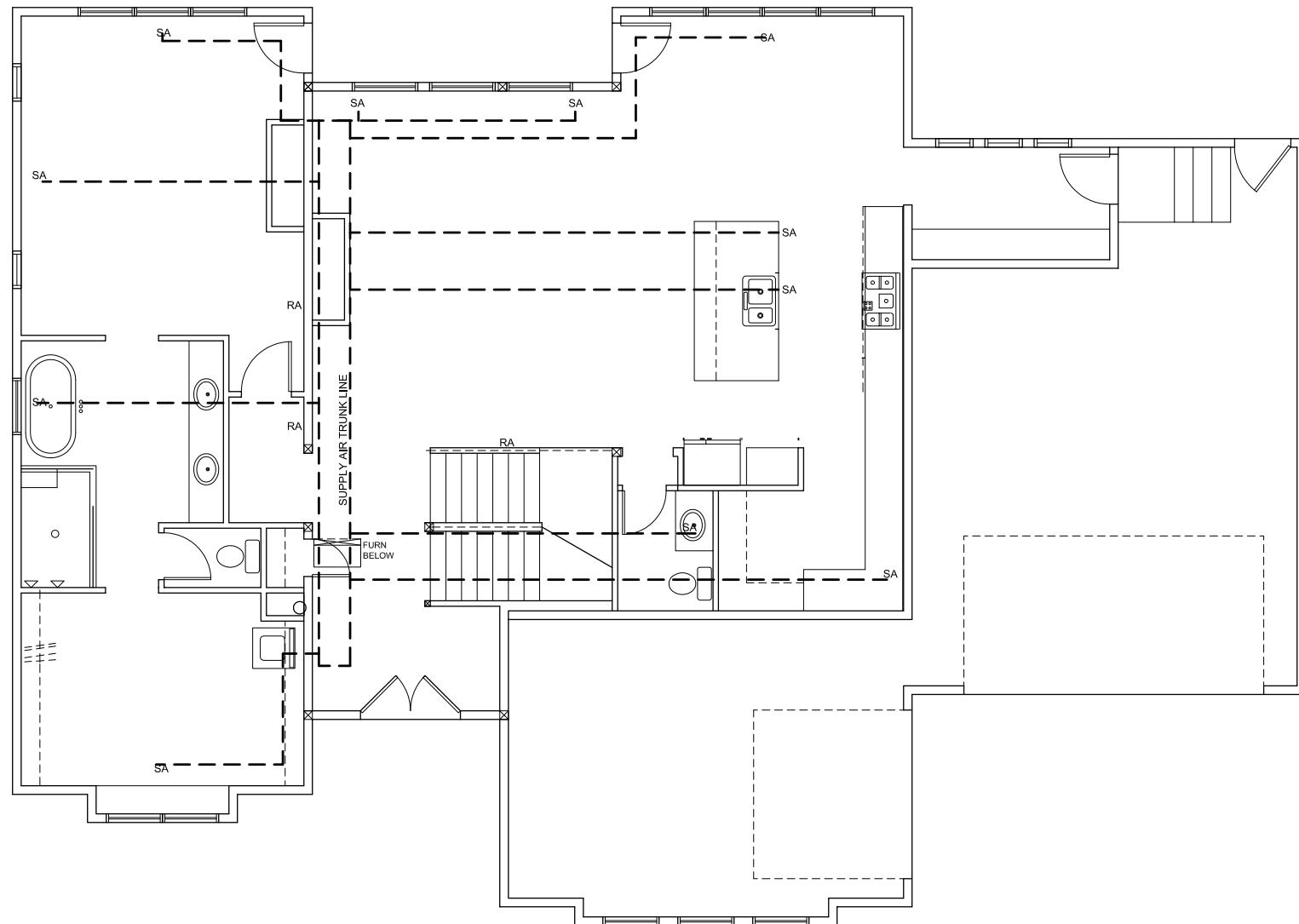


BASEMENT ELECTRICAL



REVIEWED
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03/04/2021

E1.3



① MAIN FLOOR HVAC PLAN
N.T.S.



M1

PLAN NO. 14x20-1C1D

SCALE: $\frac{1}{8}$ " = 1'-0"

DATE:

MAIN FLOOR
HVAC

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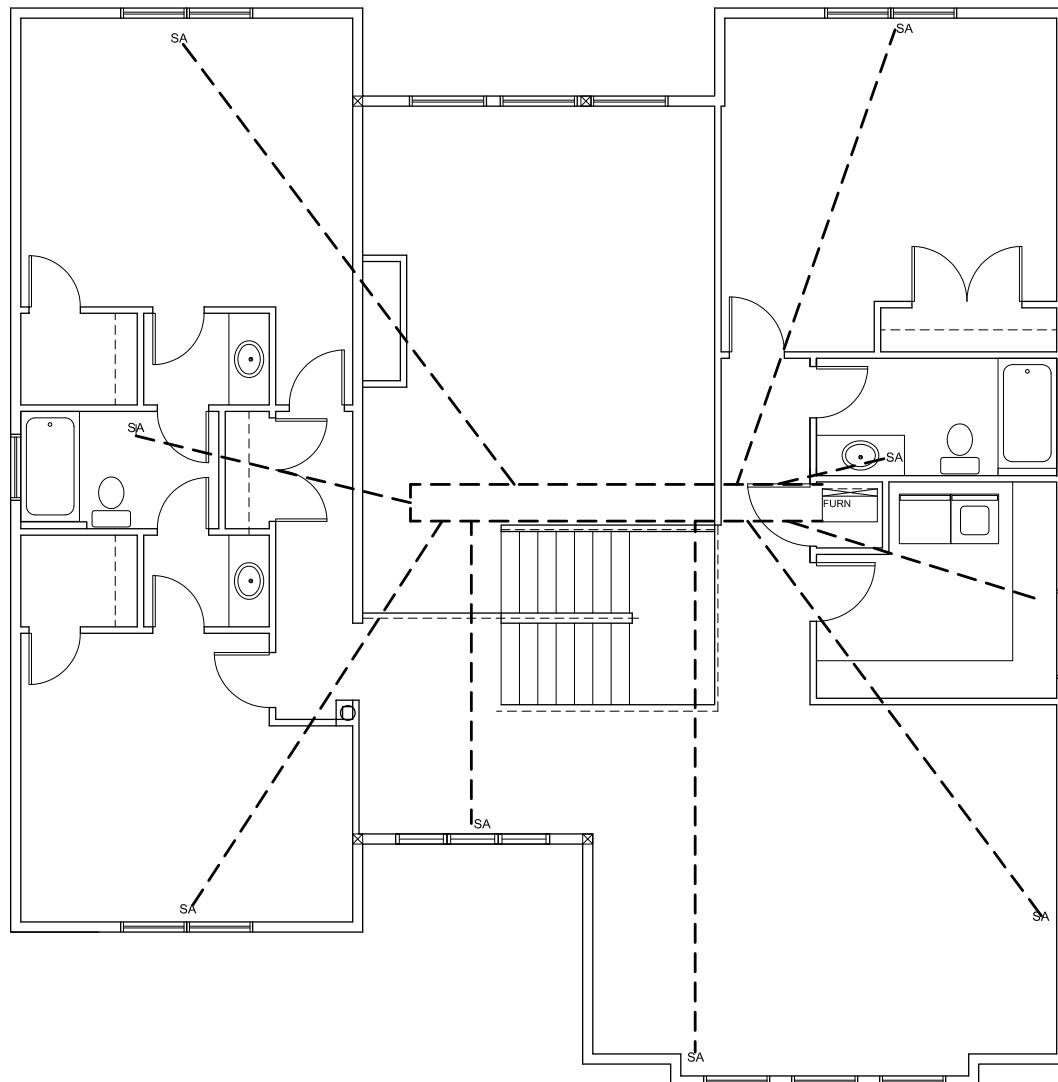
JOSH

PLAN NO. 14x20-1C1D

SCALE: $\frac{1}{8}$ " = 1'-0"

DATE:

UPPER FLOOR
HVAC



① UPPER FLOOR HVAC PLAN
N.T.S.



M2

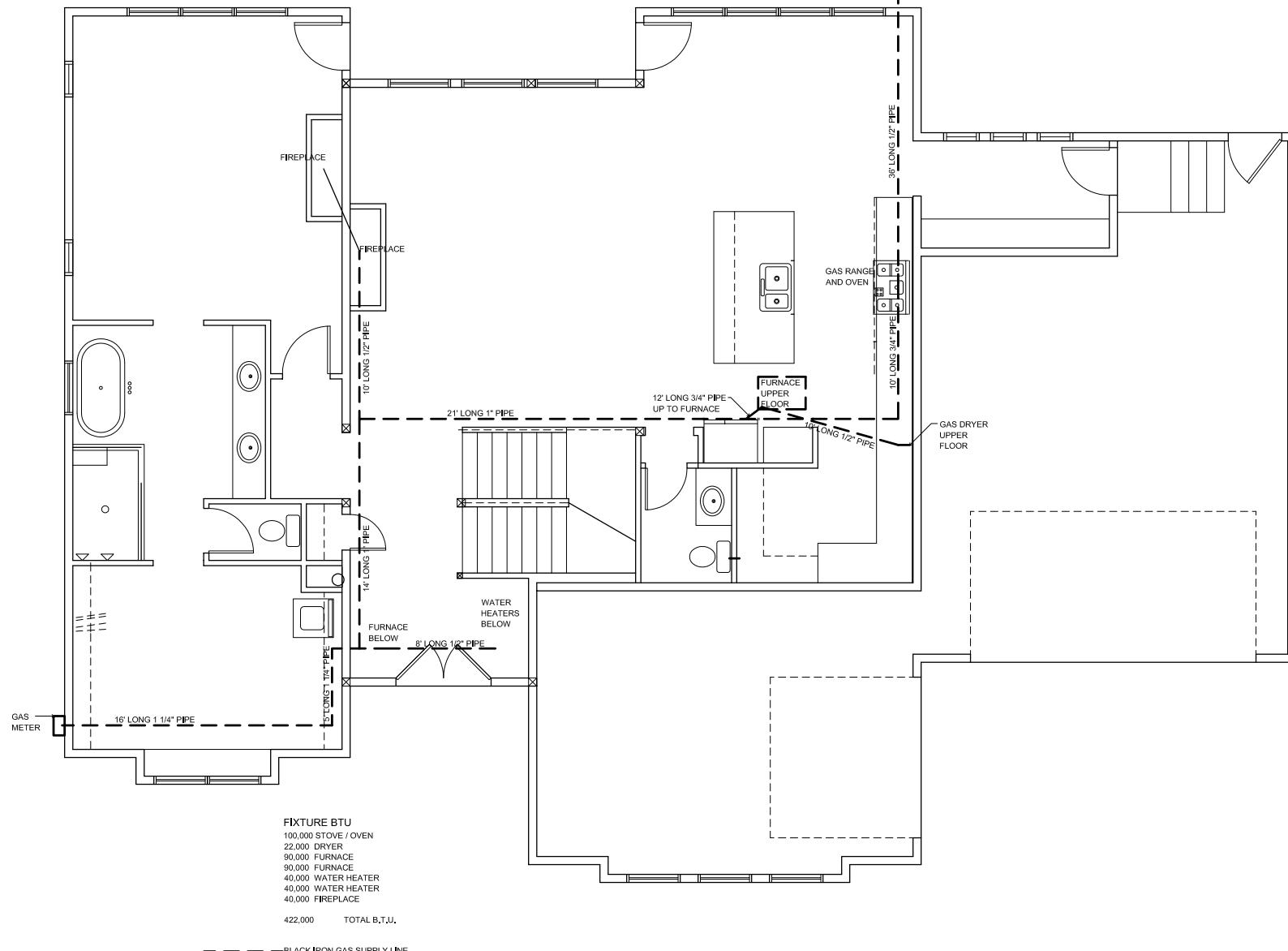
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 707-901-SHED(7433)

JOSH

PLAN NO. 14x20-1C1D

SCALE: $\frac{1}{8}$ " = 1'-0"
 DATE:

GAS PIPING DIAGRAM



① GAS PIPING DIAGRAM
 N.T.S.



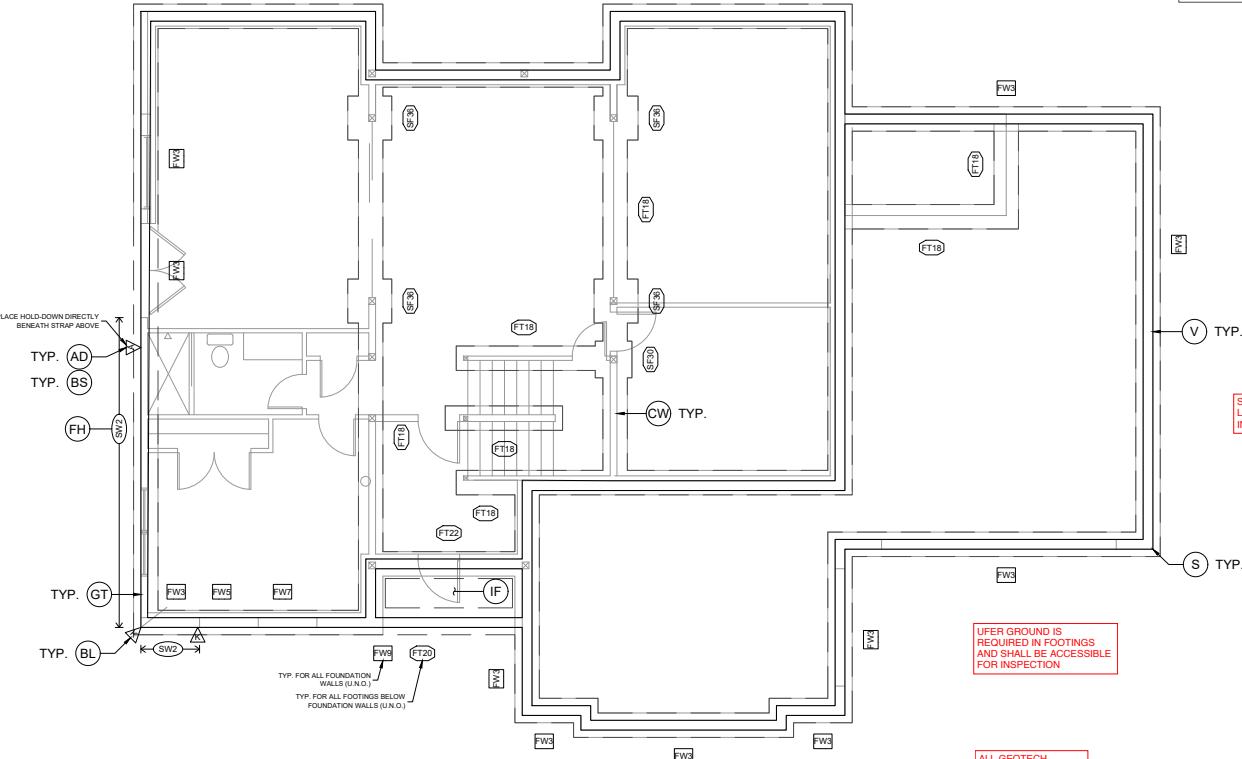
M3

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ORIGINAL PROJECT #
69600121
DRAWN BY
RTM
CHECKED BY
MCW
REVIEWED
1/4" = 1'-0"
DATE:
08 FEB 2021

FOOTING AND FOUNDATION PLAN

BIG IDEA DESIGNS STROBEL RESIDENCE (LEHI)



MARK	HEIGHT	WIDTH	REINFORCEMENT		
			VERTICAL	HORIZONTAL	PLACEMENT
FW2	3'	8"	44 # 24"	(3) #4	CENTER
FW5	3'	8"	44 # 24"	(3) #4	CENTER
FW7	7'	8"	44 # 24"	(3) #4	CENTER
FW9	9'	8"	44 # 16"	(7) #4	CENTER

1. DOWEL VERTICAL BARS IN CENTER OF WALL.
2. PLACE TOP AND BOTTOM BARS WITHIN 6" OF TOP AND BOTTOM OF WALL.
3. PLACE REINFORCEMENT IN CENTER OF WALL OR NEAR EACH FACE, AS NOTED.

MARK	WIDTH	LENGTH	FOOTING SCHEDULE	
			THICKNESS	REINFORCEMENT
FT18	18"	10'	CONT	10"
FT20	20"	10'	CONT	10"
FT22	22"	10'	CONT	10"
SF30	30"	30"	10"	(3) #4
SF40	40"	10'	10"	(4) #4

1. CONTINUOUS FOOTINGS SHALL BE CENTERED UNDER WALLS AND SPOT FOOTINGS SHALL BE CENTERED UNDER COLUMNS UNLESS NOTED OTHERWISE.
2. FOOTINGS AND FOUNDATIONS, EXCAVATIONS, GRAVING, AND FILL SHALL COMPLY WITH THE PROVISIONS OF THE GEOTECHNICAL REPORT (SEE GRS).

HOLD-DOWN SCHEDULE					
MARK	HOLD-DOWN LENGTHS	SPANNERS	FASTENERS	ANCHOR	POST
A	LSTH05 (140 X 2'-0") (140 X 2'-0")		100 X 2-1/2" (140 X 2'-0")	STRAP 8" EMBEDD.	(2) ZX POST
B	STHD010 (140 X 2'-0") (140 X 2'-0")		100 X 2-1/2" (140 X 2'-0")	STRAP 16" EMBEDD.	(2) ZX POST
C	STHD14 (140 X 2'-0") (140 X 2'-0")		100 X 2-1/2" (140 X 2'-0")	STRAP 14" EMBEDD.	(2) ZX POST
D	CS15 (100 X 2'-0") (140 X 2'-0")		100 X 2-1/2" (140 X 2'-0")	(FLOOR STRAP)	(2) ZX POST
E	MST37 (140 X 2'-0")		100 X 2-1/2" (140 X 2'-0")	(FLOOR STRAP)	(2) ZX POST
F	MST37 (140 X 2'-0")		100 X 2-1/2" (140 X 2'-0")	(FLOOR STRAP)	(2) ZX POST
K	HDH4-S002.5 (SDS4-S002.5)		SDS4-1/4" X 2-1/2" (SDS4-S002.5)	SSS3X24	(2) ZX POST

1. HOLD-DOWNS SHALL BE SAMSON STRONG-TIE OR EQUIVALENT.
2. SHEAR WALL EDGE NAILING SHALL BE TO HOLD-DOWN POST.
3. 2" STRAIGHT STRAPS SHALL BE USED FOR ALL HOLD-DOWNS.
4. ANCHOR BOLTS SHALL HAVE A 3X30-229" WASHER AND 7" MIN EMBEDMENT. THE WASHER SHALL EXTEND 1/2" PAST THE EMBEDDED LENGTH.
5. ANCHOR NAILS SHALL BE COMMON NAILS.
6. ANCHOR BOLTS SHALL HAVE A 3X30-229" WASHER AND 7" MIN EMBEDMENT. THE WASHER SHALL EXTEND 1/2" PAST THE EMBEDDED LENGTH.
7. FOR SW1, SW4, SW7, AND SW8, ONE 2" NOMINAL FRAMING STITCHNAILED TOGETHER WITH (2) 10d NAILS @ 6". MAY BE USED AT ABUTTING PANEL EDGES IN PLACE OF 2" NOMINAL FRAMING.

SHEAR WALL SCHEDULE					
MARK	SCHEATHING	EDGE NAILING	ABUTTING PANEL EDGE NAILING	ANCHORAGE	
SW1	7/16"	8d @ 8"	2X	10d @ 6"	1/2" A.S. @ 32"
SW2	7/16"	8d @ 4"	2X	10d @ 6"	1/2" A.S. @ 32"
SW3	7/16"	8d @ 3"	3X or (2)2X	10d @ 12"	1/2" A.S. @ 32"

1. SHEATHING SHALL CONSIST OF WOOD STRUCTURAL PANELS (SEE GEN).
2. UNLESS NOTED ON DRAWINGS, EXTERIOR STUDS SHALL BE SPADED AT 16" O.C.
3. SHEATHING NAILS SHALL BE COMMON OR GALVANIZED BOX NAILS. FIELD NAIL SPACING SHALL BE 12" FOR STITCHNAILED FRAMING AND 16" FOR LEAD NAILING. NAILS SHALL BE PLATED AND SPACED AT 16" O.C.
4. FOR SW1 ONLY, EDGE NAILS MAY BE SUBSTITUTED WITH 1/4" #16 GAGE STAINLESS STEEL NAILS AT 7" O.C. AND FIELD NAILS MAY BE SUBSTITUTED WITH 16 GAGE STAINLESS STEEL NAILS AT 12" O.C.
5. ANCHOR NAILS SHALL BE COMMON NAILS.
6. ANCHOR BOLTS SHALL HAVE A 3X30-229" WASHER AND 7" MIN EMBEDMENT. THE WASHER SHALL EXTEND 1/2" PAST THE EMBEDDED LENGTH.
7. FOR SW3, SW4, SW7, AND SW8, ONE 2" NOMINAL FRAMING STITCHNAILED TOGETHER WITH (2) 10d NAILS @ 6". MAY BE USED AT ABUTTING PANEL EDGES IN PLACE OF 2" NOMINAL FRAMING.

UPLIFT GROUND IS REQUIRED IN FOOTINGS AND SHALL BE ACCESSIBLE FOR INSPECTION

ALL GEOTECH REQUIREMENTS SHALL BE MET


REVIEWED
ARNE HUNT
03/04/2021

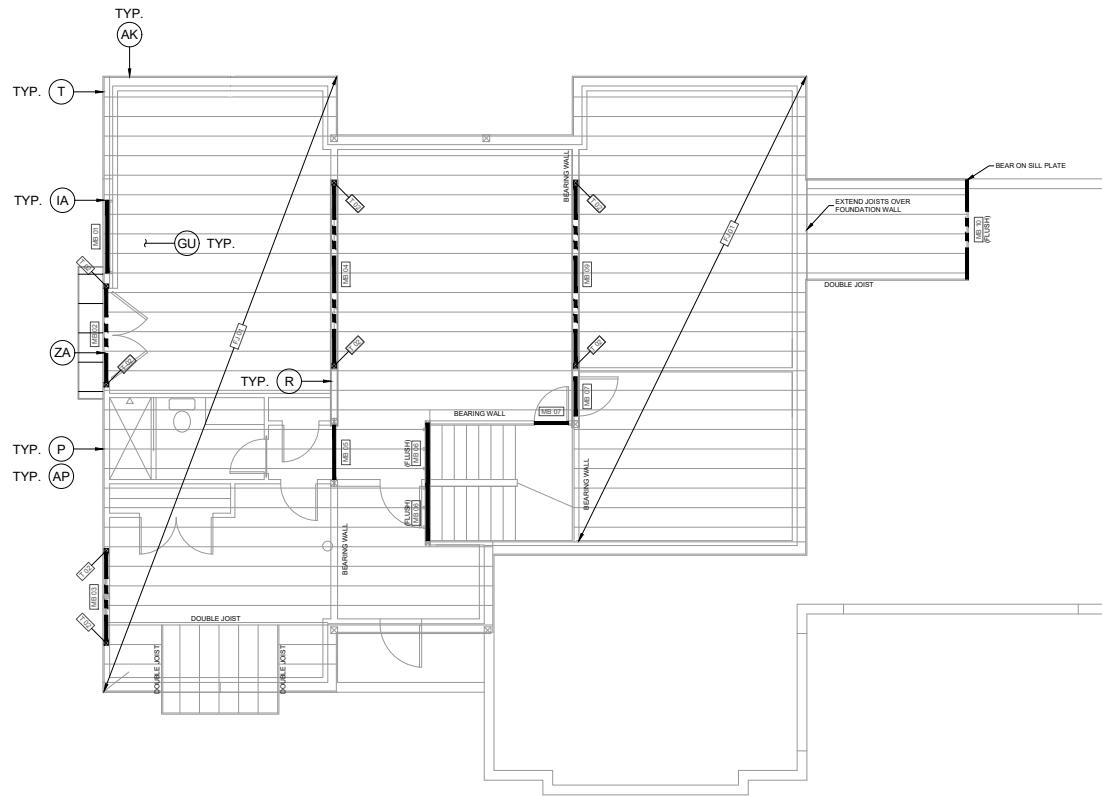
FOOTING AND FOUNDATION PLAN

1/4" = 1'-0"

S0-0

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DIMENSIONS AND ELEVATIONS ARE
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AND ELEVATIONS WITH
ARCHITECTURAL DRAWINGS.

ORIGINAL PROJECT #
6960121
DRAWING #
RTM
CHECKED BY:
MCW
DATE:
1/4" = 1'-0"
08 FEB 2021



BEAM SCHEDULE	
MARK	TYPE
MB 21	(3) 2 X 10
MB 02	(2) 1-3/4 X 9-1/2 LVL
MB 03	(2) 1-3/4 X 9-1/2 LVL
MB 04	(2) 1-3/4 X 7-7/8 LVL
MB 05	(2) 2 X 4
MB 06	1-3/4 X 11-7/8 LVL
MB 07	2 X 4
MB 09	(2) 1-3/4 X 11-7/8 LVL
MB 10	2 X 4
1. DIMENSION LUMBER OF #2 U.N.D.	
2. LAMINATED VENEER LUMBER (LVL) 2X2	
3. GLUED-LAMINATED TIMBER (GLULAM) 2X2	
4. STEEL W-SHAPES AS920	
5. SUFFICES (A, B, ETC.) DENOTE ALTERNATIVES FOR	
6. ALL HEADERS IN BEARING WALLS TO HAVE MIN.	
ALL OTHER BEADS AND GROUT TRUSSES TO HAVE	
MIN. (2) 2X SUPPORTS U.O.D.	

FLOOR JOIST SCHEDULE	
MARK	TYPE
FJ 01	11-7/8" X 12-1/8 @ 10' O.C.
FJ 02 A	11-7/8" X 12-1/8 @ 10' O.C.
FJ 02 B	11-7/8" X 12-3/8 @ 10' O.C.
1. DIMENSION LUMBER OF #2 U.N.D.	
2. SUFFICES (A, B, ETC.) DENOTE ALTERNATIVES FOR	
THE SPECIFIED JOIST	

SHEATHING SCHEDULE	
TYPE	THICKNESS
FLOOR	3/4" OSB (4824 SPAN RATING)
ROOF	3/4" OSB (24/16 SPAN RATING)
1. SHEATHING PERPENDICULAR TO SUPPORT	
2. FLOOR SHEATHING NAILED & GLUED TO SUPPORT	
3. ROOF SHEATHING NAILED TO SUPPORT	
4. NAILING NO CLOSER THAN 3/8" FROM PANEL EDGE	

POST SCHEDULE	
MARK	TYPE
P 03	(2) 2X POST
P 12	5-1/4 X 7 PSL
T 02	(2) TRIM
T 15	(2) 2X 3 KING
1. PARALLEL STRAND LUMBER (PSL) 1-1/8"	
2. STEEL PIPE (PIPE STD) A33	
3. STEEL HOLLOW SECTION (HSS) A33	
4. STEEL COLUMNS REQUIRE BEARING PLATES	
5. CONTINUE POSTS TO FON / STRUCTURE MEMBER	

REVIEWED
ARNIE HUNT
03/04/2021

MAIN FLOOR FRAMING PLAN

S1-0

1/4" = 1'-0"

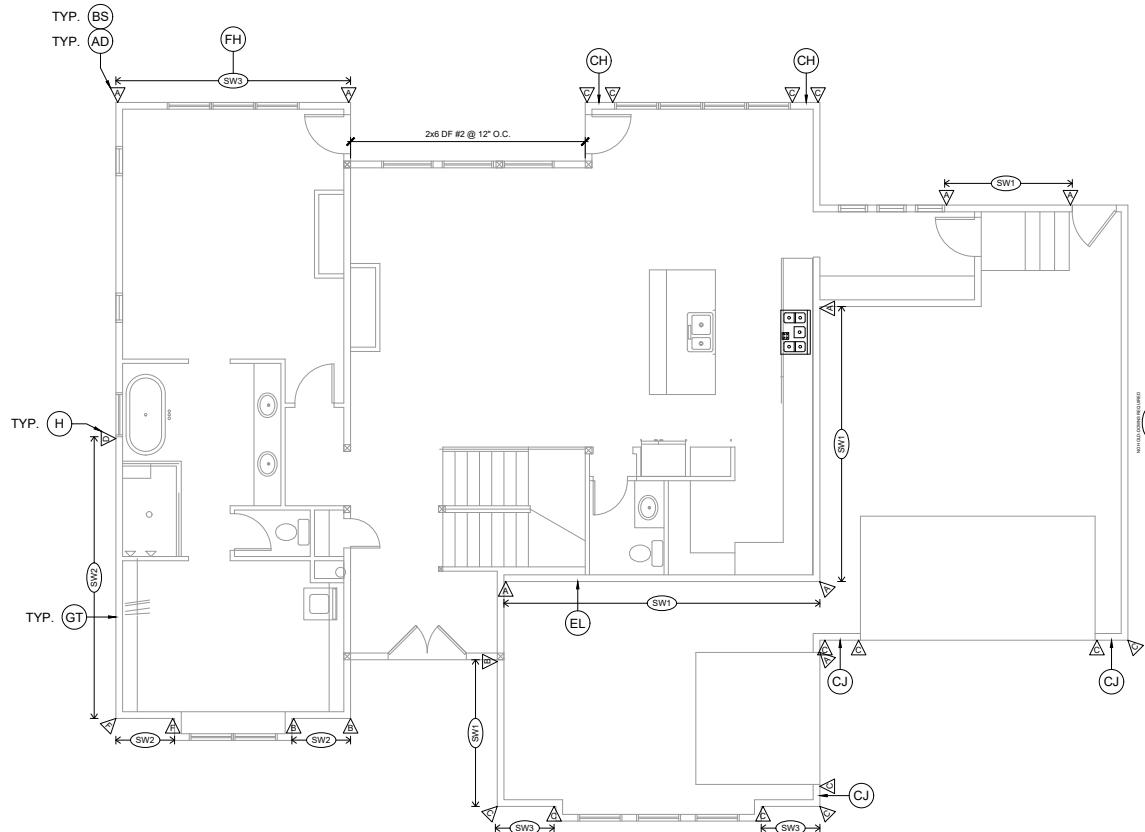
MAIN FLOOR FRAMING PLAN

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ORIGINAL PROJECT #
6960121
DRAWN BY
RTM
CHECKED BY
MCW
DATE
1/4" = 1'-0"
DATE:
08 FEB 2021

MAIN FLOOR SHEAR WALL PLAN

BIG IDEA DESIGNS STROBEL RESIDENCE (LEHI)



HOLD-DOWN SCHEDULE					
MARK	HOLD-DOWN LENGTHS	SPANNING FASTENERS	ANCHOR	POST	
A	LSTH05 (140 X 2'-0"	100 X 2-1/2" (140 X 2-1/2")	STRAP 8" EMBEDDED	(2) 2X POST	
B	STHD10 (140 X 2'-0"	100 X 2-1/2" (140 X 2-1/2")	STRAP 10" EMBEDDED	(2) 2X POST	
C	STHD14 (140 X 2'-0"	100 X 2-1/2" (140 X 2-1/2")	STRAP 14" EMBEDDED	(2) 2X POST	
D	CS15 (140 X 2'-0"	100 X 2-1/2" (140 X 2-1/2")	(FLOOR STRAP)	(2) 2X POST	
E	MST37 (140 X 2'-0"	100 X 2-1/2" (140 X 2-1/2")	(FLOOR STRAP)	(2) 2X POST	
F	MST37 (140 X 2'-0"	100 X 2-1/2" (140 X 2-1/2")	(FLOOR STRAP)	(2) 2X POST	
K	HDX4-S002.5 (SDS2012)	SDS14" X 2-1/2" (SDS2012)	SSS3X24	(2) 2X POST	

1. HOLD-DOWNS SHALL BE SIMPSON STRONG-TIE OR EQUIVALENT.
2. SHEAR WALL EDGE NAILING SHALL BE TO HOLD-DOWN POST.
3. FOR SW1 ONLY, EDGE NAILS MAY BE SUBSTITUTED WITH 1/4" #14 GAGE STAINLESS STEEL NAILS SPACED AT 2' O.C. AND FIELD NAILS MAY BE SUBSTITUTED WITH 16 GAGE STAINLESS STEEL NAILS AT 12" O.C.
4. FOR SW1 ONLY, EDGE NAILS MAY BE SUBSTITUTED WITH 1/4" #14 GAGE STAINLESS STEEL NAILS SPACED AT 2' O.C. AND FIELD NAILS MAY BE SUBSTITUTED WITH 16 GAGE STAINLESS STEEL NAILS AT 12" O.C.
5. ANCHOR NAILS SHALL BE COMMON NAILS.
6. ANCHOR BOLTS SHALL HAVE A 3X30-220° WASHER AND 7" MIN EMBEDMENT. THE WASHER SHALL EXTEND EXTERNALLY 1/2" FROM THE SURFACE.
7. FOR SW3, SW4, SW7, AND SW8, ONE NOMINAL FRAMING STITCHNAILED TOGETHER WITH (2) 10d NAILS @ 6"

SHEAR WALL SCHEDULE					
MARK	SCHEATHING	EDGE NAILING	ABUTTING PANEL EDGE NAILING	ANCHORAGE	
SW1	7/16"	8d @ 8"	2X	10d @ 6"	1/2" A.S. @ 32"
SW2	7/16"	8d @ 4"	2X	10d @ 6"	1/2" A.S. @ 32"
SW3	7/16"	8d @ 3"	3x or (2) 24"	10d @ 12"	1/2" A.S. @ 32"

1. SHEATHING SHALL CONSIST OF WOOD STRUCTURAL PANELS (SEE GEN).

2. UNLESS NOTED ON DRAWINGS, EXTERIOR STUDS SHALL BE SPACED AT 16" O.C.

3. SHEATHING NAILS SHALL BE COMMON OR GALVANIZED BOX NAILS. FIELD NAIL SPACING SHALL BE 12" FOR STITCHNAILED FRAMING AND 16" FOR STAPLED FRAMING. NAILS SHALL BE 1/4" #14 GAGE.

4. FOR SW1 ONLY, EDGE NAILS MAY BE SUBSTITUTED WITH 1/4" #14 GAGE STAINLESS STEEL NAILS SPACED AT 2' O.C. AND FIELD NAILS MAY BE SUBSTITUTED WITH 16 GAGE STAINLESS STEEL NAILS AT 12" O.C.

5. ANCHOR NAILS SHALL BE COMMON NAILS.

6. ANCHOR BOLTS SHALL HAVE A 3X30-220° WASHER AND 7" MIN EMBEDMENT. THE WASHER SHALL EXTEND EXTERNALLY 1/2" FROM THE SURFACE.

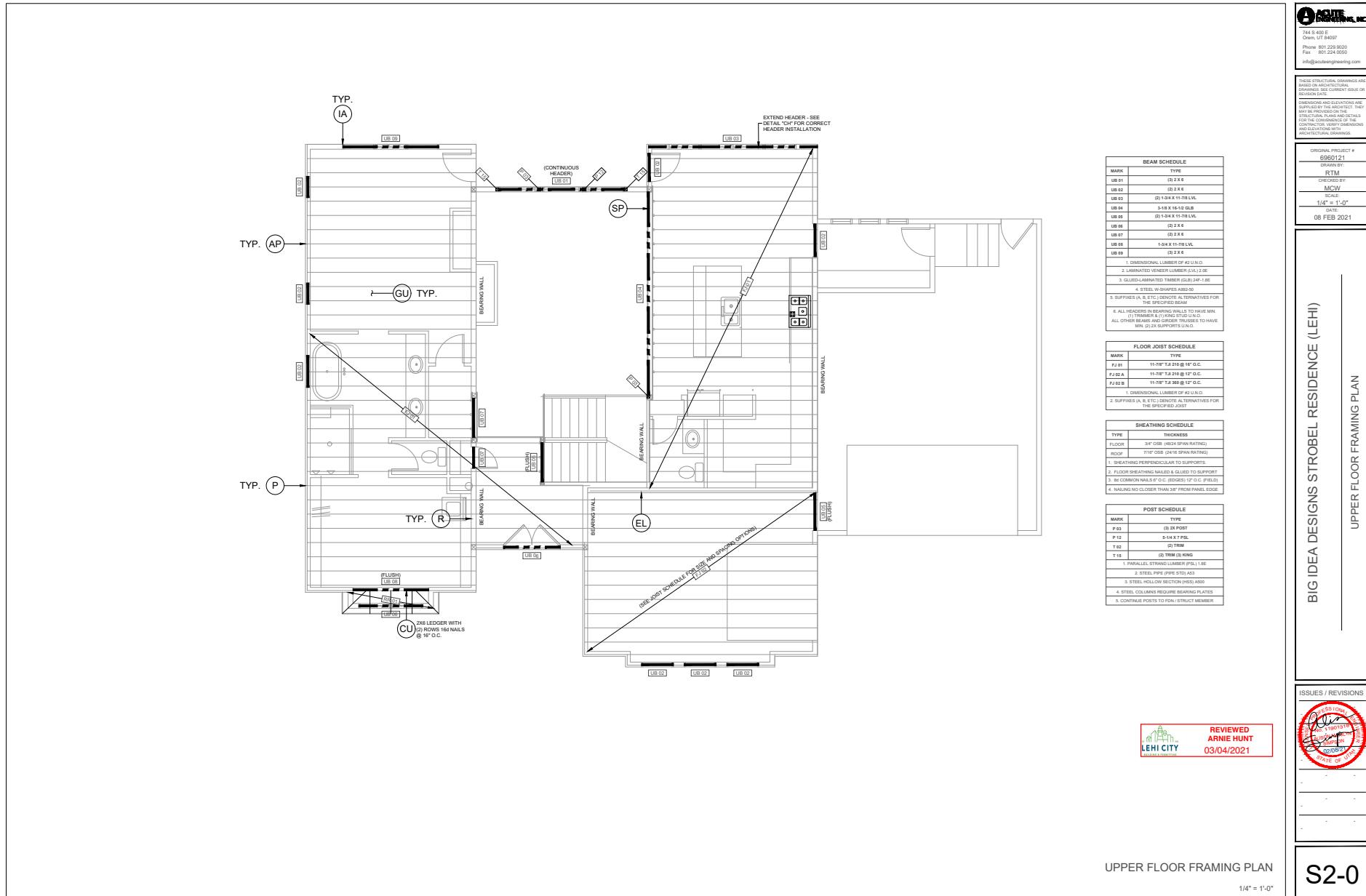
7. FOR SW3, SW4, SW7, AND SW8, ONE NOMINAL FRAMING STITCHNAILED TOGETHER WITH (2) 10d NAILS @ 6"

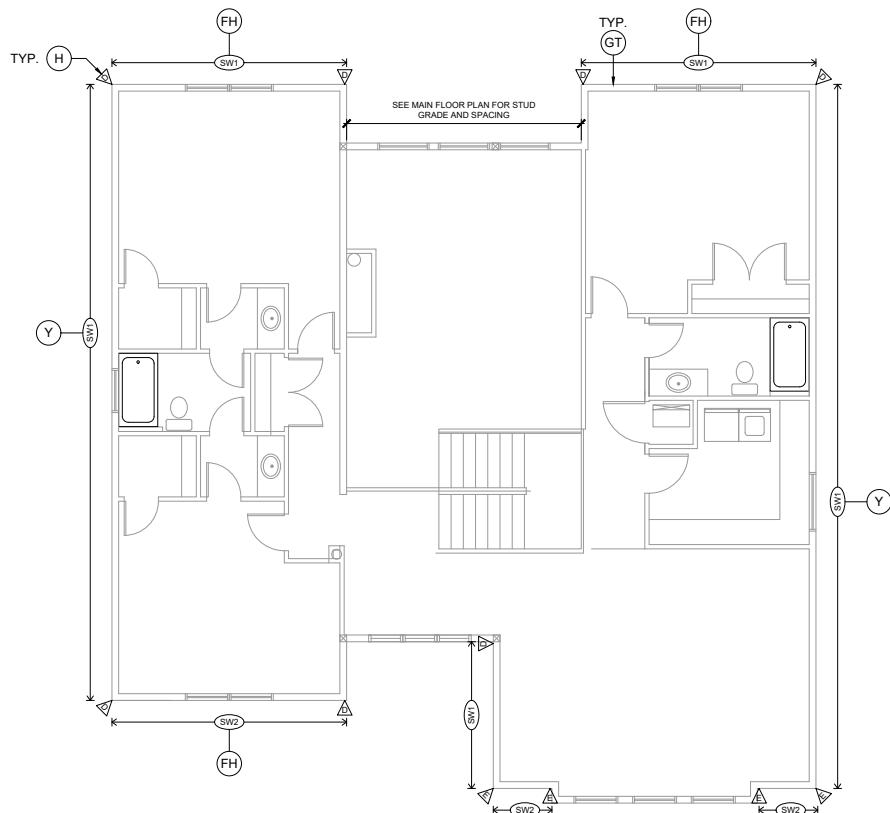

REVIEWED
ARNIE HUNT
03/04/2021

MAIN FLOOR SHEAR WALL PLAN

1/4" = 1'-0"

S1-1





HOLD-DOWN SCHEDULE				
MARK	HOLD-DOWN	MINIMUM FASTENERS	ANCHOR	POST
A	LSTD05	160 X 2" (148 X 2" 1/2")	STRAP 8" EMDED.	(2) 2X POST
	SSTD016	160 X 2" (148 X 2" 1/2")	STRAP 10" EMDED.	(2) 2X POST
C	SHTD14	160 X 2" (148 X 2" 1/2")	STRAP 14" EMDED.	(2) 2X POST
D	CS16 (160 X 2" POST LENGTHS)	160 X 2" (148 X 2" 1/2")	[FLOOR STRAP]	(2) 2X POST
E	MST37	152 X 2" (148 X 2" 1/2")	[FLOOR STRAP]	(2) 2X POST
F	MST48	152 X 2" (148 X 2" 1/2")	[FLOOR STRAP]	(2) 2X POST
K	HD4A-S0512	505 X 4" X 2-1/2" (500 X 2" 1/2")	S888424	(2) 2X POST

1. HOLD-DOWNS SHALL BE SIMPSON STRONG-TIE OR EQUIVALENT
2. SHEAR WALL EDGE NAILING SHALL BE TO HOLD-DOWN POSITIONS
3. STHD STRAPS SHALL BE "RF" TYPE AT RIM JOIST LOCATIONS

SHEAR WALL SCHEDULE					
MARK	WEATHERING SHEATHING	EDGE NAILING	ADJUSTING SCREWS FOR TRAINING	SOLE PLATE	ANCHORAGE
SW1	7/16"	#8 @ 4"	2X	100 #/ft	1/8" A.D. @ 12" O.C.
SW2	7/16"	#8 @ 4"	2X	100 #/ft	1/8" A.D. @ 12" O.C.
SW3	7/16"	#8 @ 4"	3X or (2X2)	100 #/ft	1/8" A.D. @ 12" O.C.
1. SHEATHING SHALL CONSIST OF WOOD STRUCTURAL PANELS (SEE GSIN).					
2. UNLESS NOTED ON DRAWINGS, EXTERIOR SHEATHING SHALL BE SPACED AT 1/8" O.C.					
3. SHEATHING HALVES SHALL BE CALKED OR GALVANIZED BANDS - FIELD NAIL SPACING SHALL BE 12" O.C. AND 1/2" FROM THE SHEATHING HALVES.					
4. FOR DUVI ONLY, EDGE NAIL SHALL BE SUBSTITUTED WITH 1-1/2" #16 GAGE STAPLES SPACED AT 1/8" O.C. IN A 2X2 FIELD NAIL EARTH NAIL SHALL BE WITH 1/4" GAGE STAPLES AT 12" O.C.					
5. ANCHORAGE NAIL SHALL BE WITH 1/4" GAGE STAPLES AT 12" O.C.					
6. ANCHOR BOLTS SHALL BE 1/2" X 2-1/2" WASHER AND 1/4" NUT ENCLIMB. THE WASHER SHALL EXTEND 1/4" WITHIN THE FLOOR JOIST.					
7. FOR SW3, SW2, SW1 AND DUVI, (2) NOMEX PRIMED STITCHED TACKLED TOGETHER WITH (2) 1/4" GAGE STAPLES.					

7. FOR 3'W, 3'H, 3'W, AND 3'H, (2) 2' NOMINAL FRAMING STICKS PAGED TOGETHER WITH (2) 1' RAILS MAY BE USED AT ABUTTING PANEL EDGES IN PLACE OF 3' NOMINAL FRAMING.

UPPER FLOOR SHEAR WALL PLAN

1/4" = 1' 0"

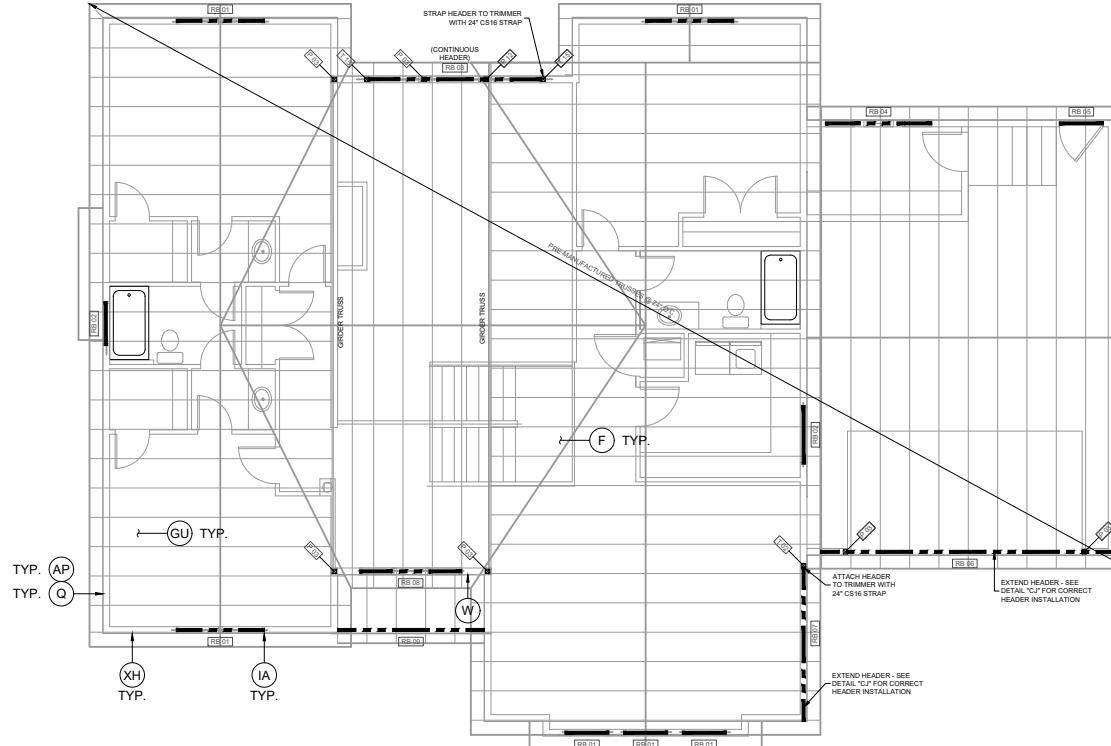


REVIEWED
ARNIE HUNT
03/04/2021

S2-1

THESE STRUCTURAL DRAWINGS ARE
SUPPLIED TO THE ARCHITECT FOR
DIMENSIONS AND ELEVATIONS ARE
FOR THE CONVENIENCE OF THE
CONTRACTOR. DO NOT USE FOR CONSTRUCTION
AND ELEVATIONS WITH
ACUTE ENGINEERING DRAWINGS

ORIGINAL PROJECT #
6960121
DRAWN BY:
RTM
CHECKED BY:
MCW
DATE:
1/4" = 1'-0"
08 FEB 2021



BEAM SCHEDULE	
MARK	TYPE
RB 01	(2) 2 x 6
RB 02	(2) 2 x 6
RB 03	(2) 2 x 6
RB 04	(2) 2 x 6 O.C.
RB 05	(2) 2 x 6
RB 06	(2) 1-3/4 X 11-1/8 LVL
RB 07	(2) 1-3/4 X 11-1/8 LVL
RB 08	(2) 1-3/4 X 9-1/2 LVL
RB 09	(2) 2 x 6
1. DIMENSIONAL LUMBER OR #2 U.N.C.	
2. LAMINATED VENEER LUMBER (LVL) 2x6	
3. GLUED-LAMINATED TIMBER (GLULAM) 2x6	
4. ALL HEADERS IN BEARING WALLS TO HAVE MIN. 2x6 O.C. ALL OTHER BEAMS AND COLUMNS TO HAVE MIN. 2x6 SUPPORTS U.N.C.	

ROOF RAFTER SCHEDULE	
MARK	TYPE
RR 01	2 X 6 @ 24" O.C.

1. DIMENSIONAL LUMBER OR #2 U.N.C.

2. SURFACES (A, B, ETC) INDICATE ALL ALTERNATIVES FOR THE SPECIFIED BEAM

3. ALL HEADERS IN BEARING WALLS TO HAVE MIN. 2x6 O.C. ALL OTHER BEAMS AND COLUMNS TO HAVE MIN. 2x6 SUPPORTS U.N.C.

SHEATHING SCHEDULE	
TYPE	THICKNESS
FLOOR	3/4" OSB (400 SF SPAN RATING)
ROOF	7/16" OSB (2416 SF SPAN RATING)
1. SHEATHING PERPENDICULAR TO SUPPORTS.	
2. FLOOR SHEATHING MUST BE GLUED TO SUBSTRATE.	
3. NAILING NAIL P/C L-80 16D 17" O.C. (FIELD)	
4. NAILING NO CLOSER THAN 3/8" FROM PANEL EDGE	

WOOD TRUSS LOADS	
GROUND SNOW LOAD, Pg = 32 PSF	
FLAT ROOF SNOW LOAD = 32 PSF	
TOP CHORD DEAD LOAD = 10 PSF	
BOTTOM CHORD DEAD LOAD = 5 PSF	
5. DESIGN SNOW LOADS SHALL BE IN ACCORDANCE WITH ASCE 7-16 CMR 7-16 RC 100	

POST SCHEDULE	
MARK	TYPE
P 01	(2) 2X POST
P 02	5-1/4 X 7 PSL
T 02	(2) TRIM
T 03	(2) TRIM
1. PARALLEL STRAND LUMBER (PSL) 1x6	
2. STEEL PIPE (PIPE STD) A50	
3. STEEL HOLLOW SECTION (HSS) A50	
4. STEEL COLUMNS REQUIRE BEARING PLATES	
5. CONTINUE POSTS TO FDN / STRUCT MEMBER	

REVIEWED
ARNIE HUNT
03/04/2021

ROOF FRAMING PLAN

S3-0

1/4" = 1'-0"

ISSUES / REVISIONS	
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THESE STRUCTURAL DRAWINGS ARE PROVIDED TO THE ARCHITECT FOR REVIEW. THEY ARE NOT FOR CONSTRUCTION. THEY ARE PROVIDED AS A GUIDE FOR THE CONVENIENCE OF THE CONTRACTOR. DO NOT USE THESE DRAWINGS AND ELEVATIONS WITH CAD/TECHNICAL DRAWINGS.

ORIGINAL PROJECT #
6560121
DRAWING #
RTM
CHECKED BY:
MCW
DATE:
NTS
DATE:
08 FEB 2021

STRUCTURAL DETAILS

BIG IDEA DESIGNS STROBEL RESIDENCE (LEHI)

The drawings include:

- Floor Plans:** ROOF FRAMING - OVER BUILD FRAMING (F), HOLD-DOWN - FLOOR STRAP (H), BEARING WALL - EXTERIOR TO FLOOR (P), ROOF FRAMING - BLOCKING (Q), BEARING WALL - INTERIOR TO FLOOR (R).
- Walls and Foundations:** CORNER (S), FOUNDATION WALL - CORNER & INTERSECTION (T), FOUNDATION WALL - FLOOR JOIST (PERPENDICULAR) (U), FOUNDATION WALL - SLAB ON GRADE (V), WOOD TRUSS - WALL/BEAM (W), SHEAR WALL - PERFORATED (Y).
- Structural Details:** HOLD-DOWN - FOUNDATION STRAP (AD), FOUNDATION WALL - FLOOR JOIST (PARALLEL) (AK), DIAPHRAGM - TOP PLATE SPLICE (AP), HOLD-DOWN (BL), RETROFIT EPOXY ANCHOR IN FOUNDATION WALL (BS).
- Roof and Decking:** PORTAL FRAME - FLOOR ON CONCRETE FOUNDATION (CH), APA PORTAL FRAME - CONCRETE FOUNDATION (CJ), LEDGER - RAFTER TO FRAMED WALL (CU), BEARING WALL - INTERIOR FOOTING (CW), SHEAR TRANSFER - JOIST/RAFTERS DIAPHRAGM CONNECTION (EL).

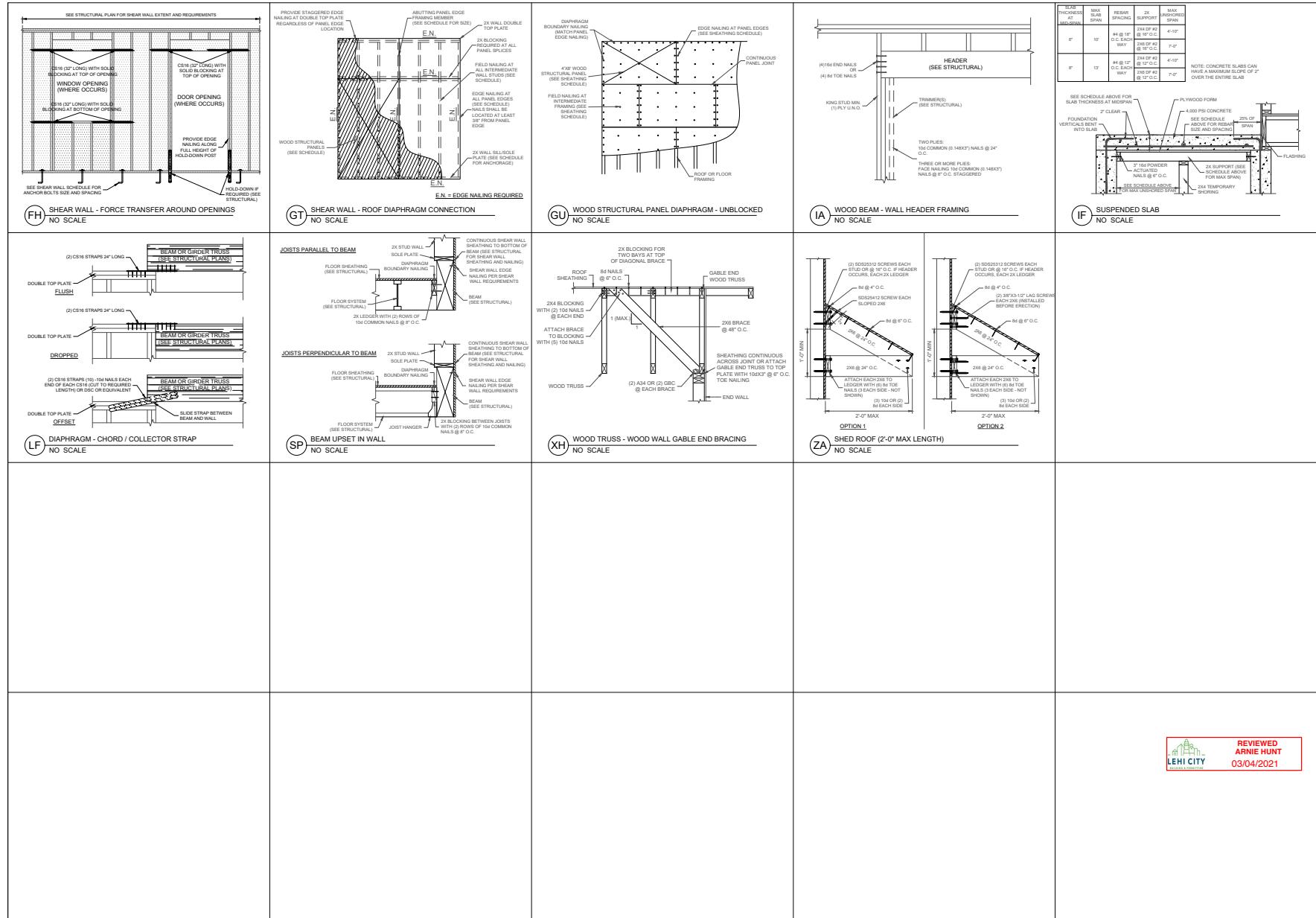
Each drawing provides detailed construction information, including dimensions, materials, and specific assembly instructions. A red stamp in the bottom right corner indicates it has been reviewed by Arnie Hunt from Lehi City on 03/04/2021.

ISSUES / REVISIONS

(Red stamp: "REVIEWED BY ARNIE HUNT LEHI CITY 03/04/2021")

- - - - -

SD1



BIG IDEA DESIGNS STROBEL RESIDENCE (LEHI)

STRUCTURAL DETAILS

SD2