

SEQUENCE OF SHEETS

SHEET #	DESCRIPTION
A-000	COVER SHEET & SITE PLAN
A-100A	FIRST FLOOR PLAN - PRIMARY WING
A-100B	FIRST FLOOR PLAN - GUEST WING
A-100C	FIRST FLOOR PLAN - GARAGE & WORKSHOP
A-200A	BUILDING ELEVATIONS - PRIMARY WING
A-201A	BUILDING ELEVATIONS - PRIMARY WING
A-200B	BUILDING ELEVATIONS - GUEST WING
A-201B	BUILDING ELEVATIONS - GUEST WING
A-200C	BUILDING ELEVATIONS - GARAGE & WORKSHOP
A-201C	BUILDING ELEVATIONS - GARAGE & WORKSHOP
A-300	BUILDING SECTIONS
E-100A	ELECTRICAL PLAN - PRIMARY WING
E-100B	ELECTRICAL PLAN - GUEST WING
E-100C	ELECTRICAL PLAN - GARAGE & WORKSHOP
S-001	STRUCTURAL GENERAL NOTES
S-002	STRUCTURAL GENERAL NOTES
S-100A	FOUNDATION PLAN - PRIMARY WING
S-100B	FOUNDATION PLAN - GUEST WING
S-100C	FOUNDATION PLAN - GARAGE & WORKSHOP
S-101A	FIRST FLOOR FRAMING PLAN - PRIMARY WING
S-101B	FIRST FLOOR FRAMING PLAN - GUEST WING
S-101C	FIRST FLOOR FRAMING PLAN - GARAGE & WORKSHOP
S-102A	ROOF FRAMING PLAN - PRIMARY WING
S-102B	ROOF FRAMING PLAN - GUEST WING
S-102C	ROOF FRAMING PLAN - GARAGE & WORKSHOP
S-200A	FRAMING ELEVATIONS - PRIMARY WING
S-200B	FRAMING ELEVATIONS - GUEST WING
S-200C	FRAMING ELEVATIONS - GARAGE & WORKSHOP
S-300	BUILDING SECTIONS

PROJECT DESCRIPTION:

2 STRUCTURES, NEW CONSTRUCTION:

1 - SINGLE FAMILY HOME	1,608 SQ FT
1 A - PRIMARY WING	1,000 SQ FT (20'-0" x 50'-0")
1 B - GUEST WING	608 SQ FT (16'-0" x 38'-0")
2 C - GARAGE / WORKSHOP	1,000 SQ FT (20'-0" x 50'-0")

OCCUPANCY GROUP: R3

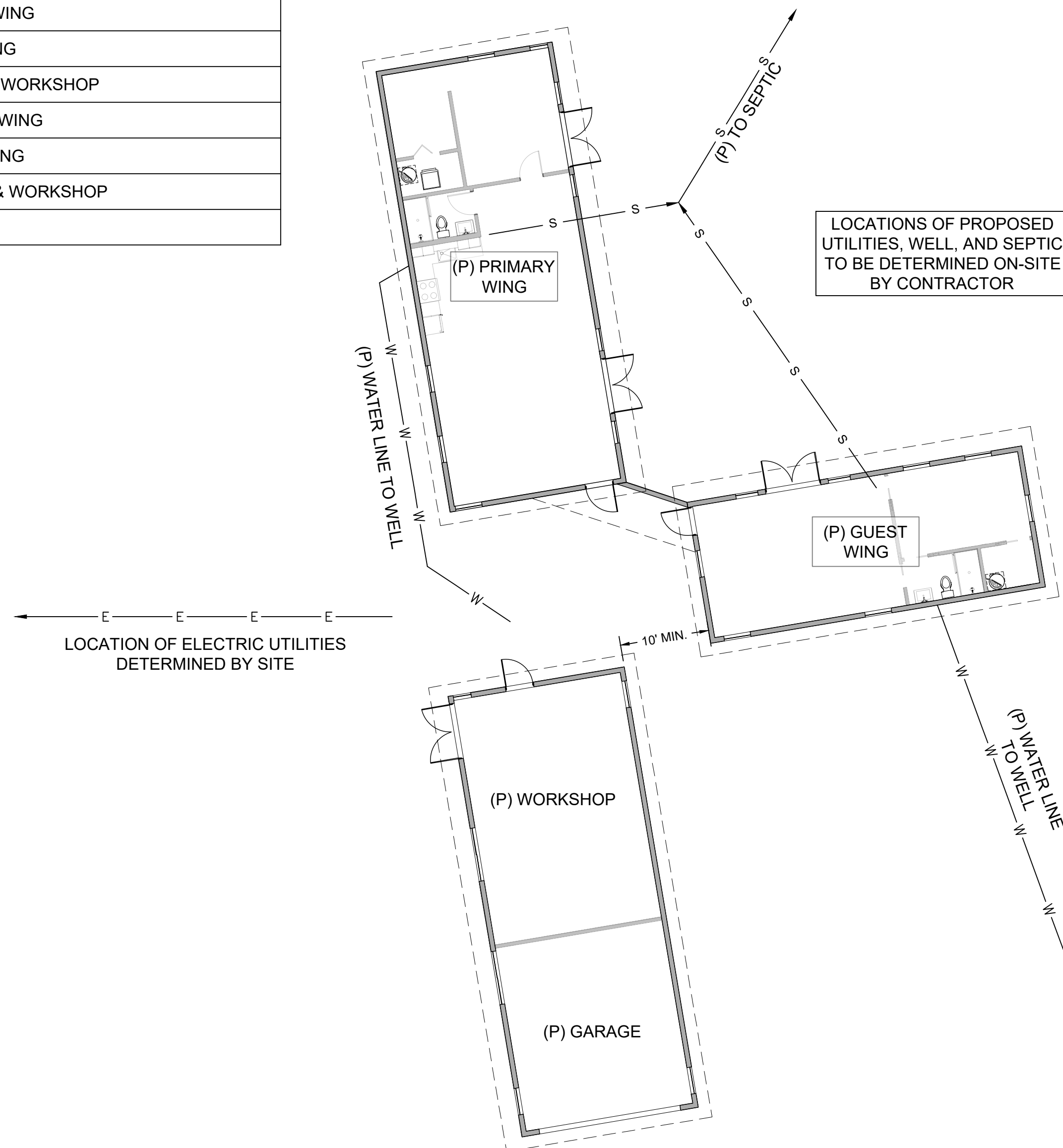
CONSTRUCTION TYPE: V-B

THIS PROJECT SHALL COMPLY WITH THE 2018 NCSBC AND ALL RELATED TITLES, INCLUDING THE NORTH CAROLINA STATE RESIDENTIAL, ENERGY CONSERVATION, MECHANICAL, AND PLUMBING CODES, AS WELL AS THE 2017 NEC.

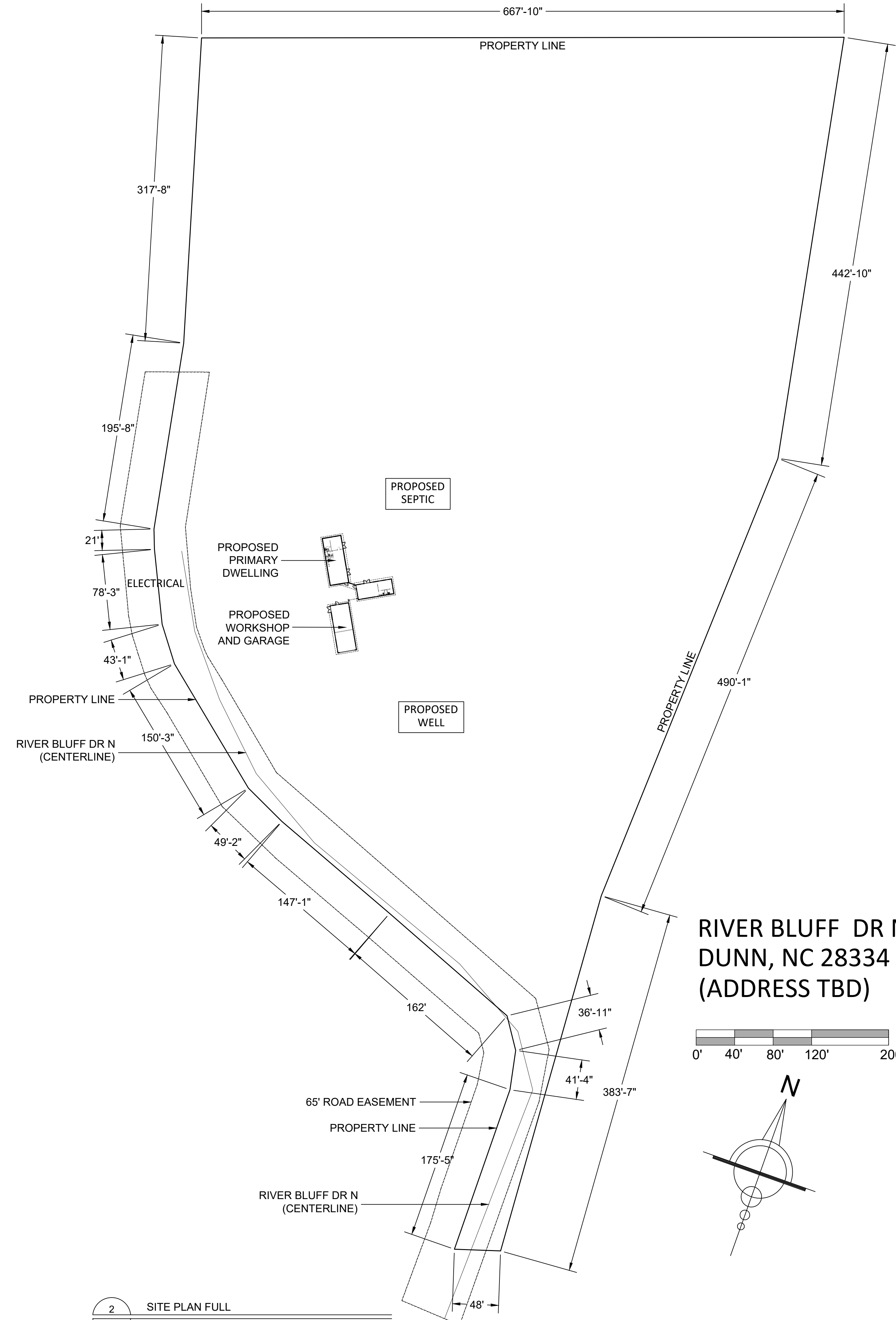
PLANS PREPARED BY ANDREW LANGDON | (303) 945 - 6973 | ALANGDON@STUDIOSHED.COM

PROJECT NOTES:

GRADING AND DRAINAGE BY CONTRACTOR ON-SITE. GRADING SHALL COMPLY WITH NCBC: RESIDENTIAL CODE R401.3 "SURFACE DRAINAGE SHALL BE DIVERTED TO A STORM SEWER CONVEYANCE OR OTHER APPROVED POINT OF COLLECTION THAT DOES NOT CREATE A HAZARD. LOTS SHALL BE GRADED TO DRAIN SURFACE WATER AWAY FROM FOUNDATION WALLS. THE GRADE SHALL FALL A MINIMUM OF 6 INCHES (152 MM) WITHIN 10 FEET (3048 MM), EXCEPT WHERE LOT LINES, SLOPES, OR OTHER PHYSICAL BARRIERS PROHIBIT 6 INCHES OF (152 MM) OF FALL WITHIN 10 FEET (3048 MM), DRAINS OR SWALES SHALL BE CONSTRUCTED TO ENSURE DRAINAGE AWAY FROM THE STRUCTURE. IMPERVIOUS SURFACES WITHIN 10 FEET (3048 MM) OF THE BUILDING FOUNDATION SHALL BE SLOPED A MINIMUM OF 2% AWAY FROM THE BUILDING.

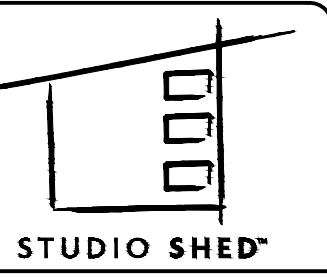
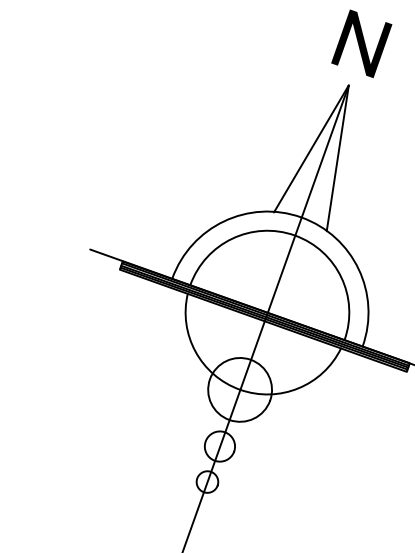
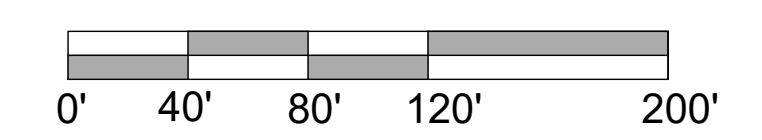


1 SITE PLAN DETAIL
SCALE: 1/8" = 1'-0"



2 SITE PLAN FULL
SCALE: 1/8" = 1'-0"

RIVER BLUFF DR N
DUNN, NC 28334
(ADDRESS TBD)



1500 CHERRY STREET
LOUISVILLE, CO 80027
Ph: 888.900.3933
WWW.STUDIOSHED.COM

ISSUE DATE

REVISIONS

PRIMARY DWELLING, GUEST WING, WORKSHOP / GARAGE

KIM FOWLER
NAME

RIVER BLUFF DR N
DUNN, NC 28334
ADDRESS

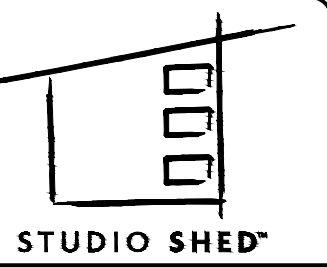
PREPARER OF PLANS:

ANDREW LANGDON
ALANGDON@STUDIOSHED.COM
(303) 945-6973

10/09/24

24x36
SHEET SIZE

A-000
COVER



1500 CHERRY STREET
LOUISVILLE, CO 80027
Ph: 888.900.3933
WWW.STUDIOSHED.COM

ISSUE DATE

REVISIONS

PRIMARY DWELLING, GUEST WING, WORKSHOP / GARAGE
TYPE OF CONSTRUCTION
KIM FOWLER
NAME
RIVER BLUFF DR N
DUNN, NC 28334
ADDRESS

PREPARER OF PLANS:

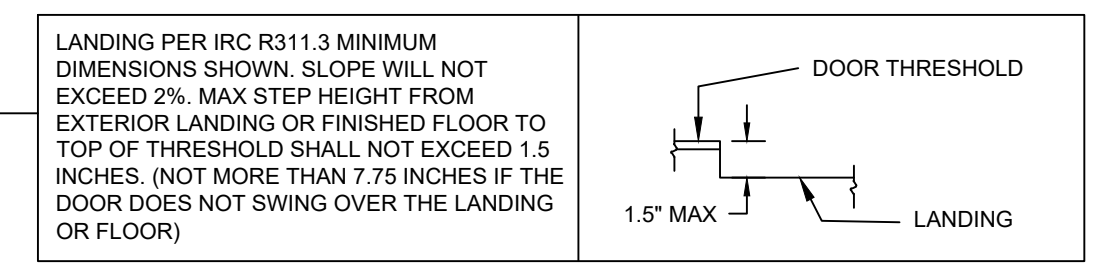
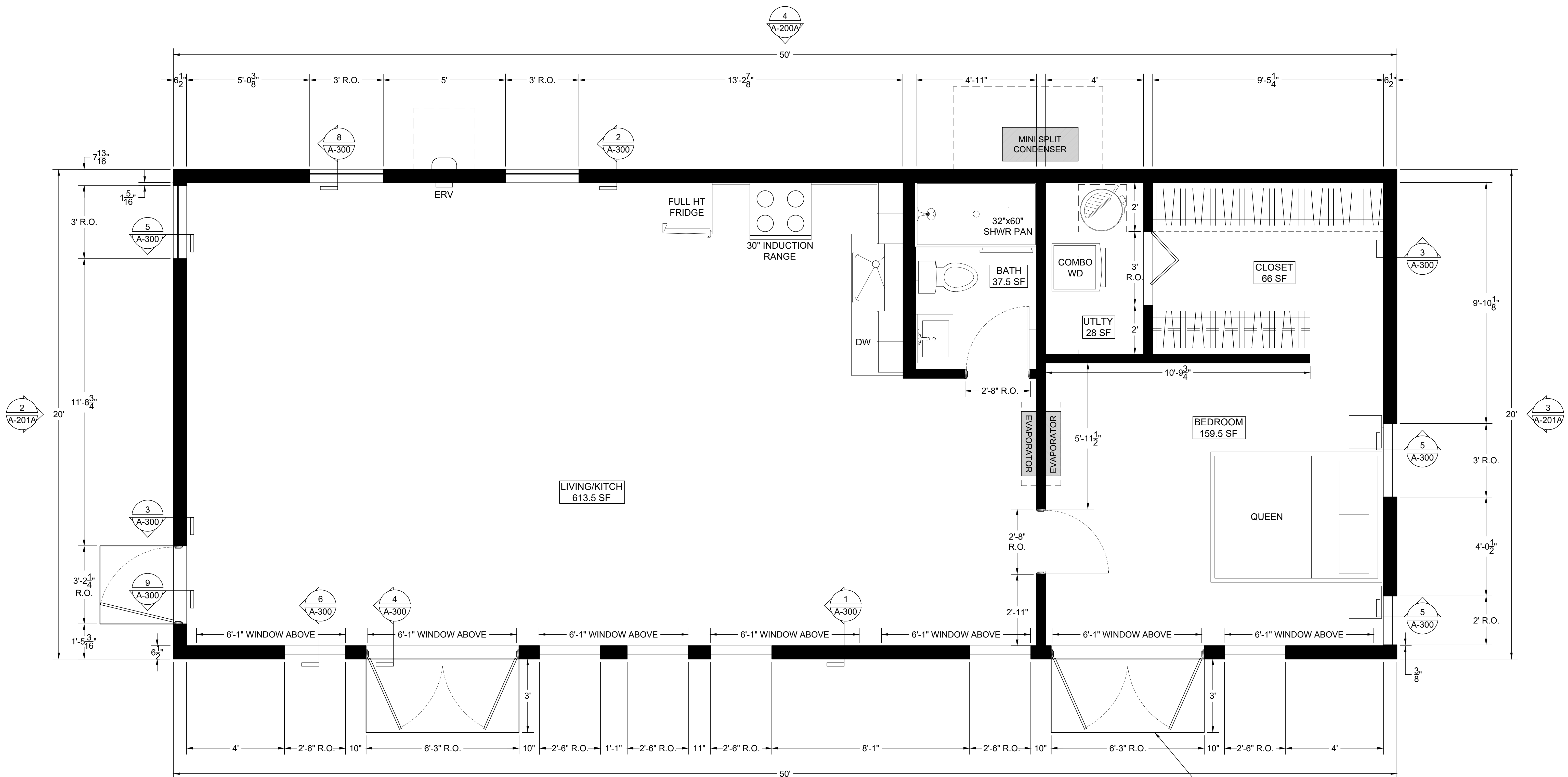
ANDREW LANGDON
ALANGDON@STUDIOSHED.COM
(303) 945-6973

10/09/24

24x36
SHEET SIZE

A-100A
FIRST FLOOR PLAN

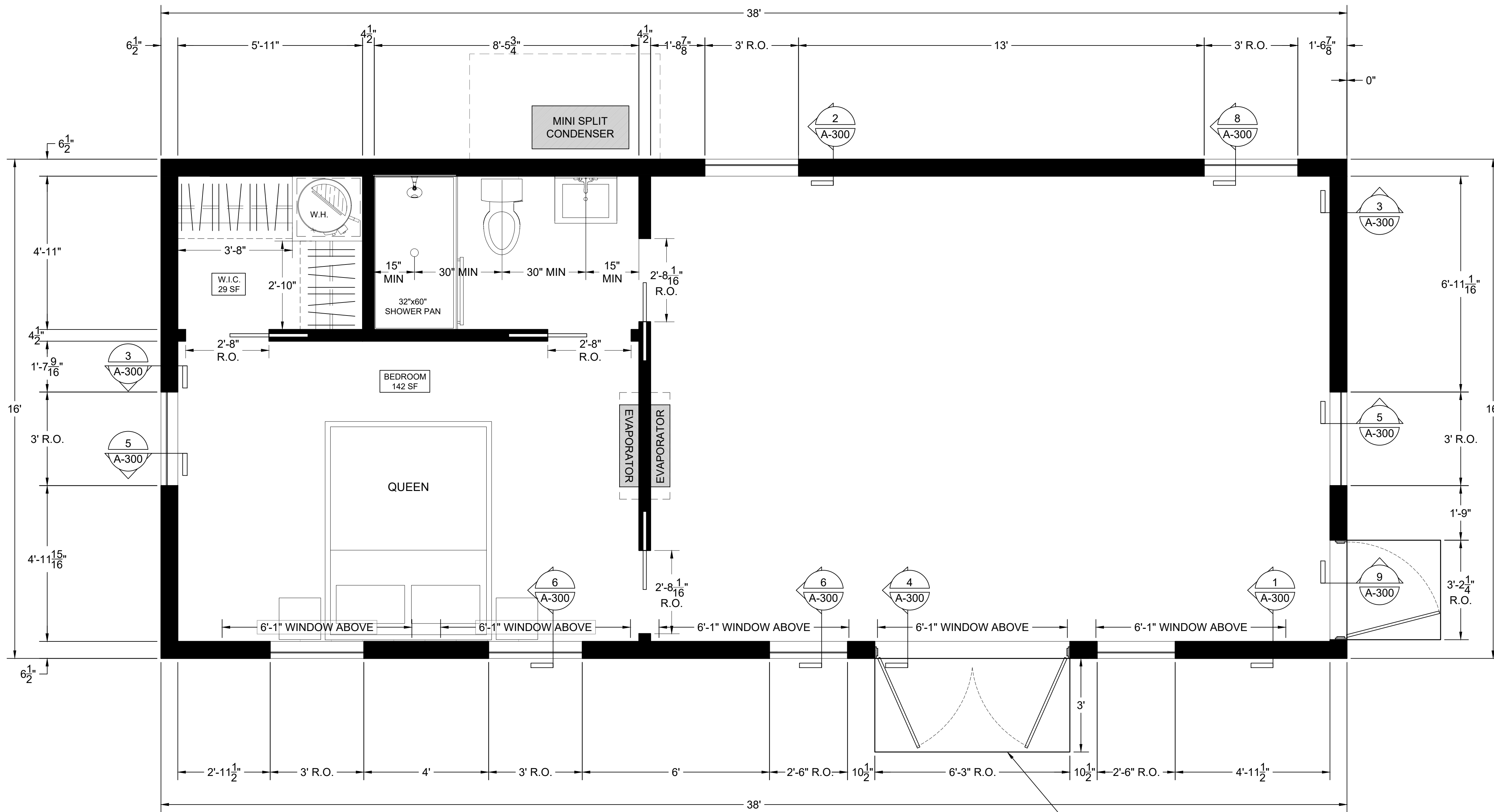
SEE A-200/201 FOR WINDOW AND DOOR INFORMATION



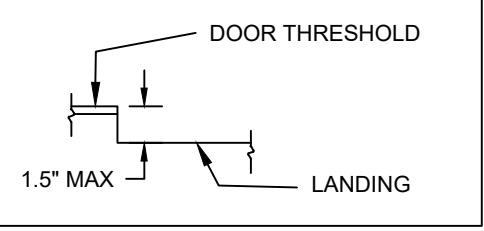
1 FIRST FLOOR PLAN
A-100A SCALE: 1/2" = 1'-0"



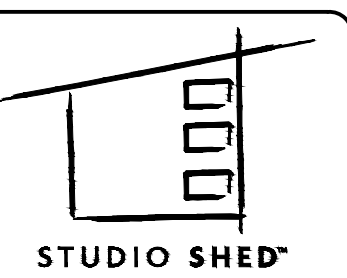
SEE A-200/201 FOR WINDOW AND DOOR INFORMATION



LANDING PER IRC R311.3 MINIMUM DIMENSIONS SHOWN. SLOPE WILL NOT EXCEED 2%. MAX STEP HEIGHT FROM EXTERIOR LANDING OR FINISHED FLOOR TO TOP OF THRESHOLD SHALL NOT EXCEED 1.5 INCHES. (NOT MORE THAN 7.75 INCHES IF THE DOOR DOES NOT SWING OVER THE LANDING OR FLOOR)



1 FIRST FLOOR PLAN
A-100B SCALE: 1/2" = 1'-0"



1500 CHERRY STREET
LOUISVILLE, CO 80027
Ph: 888.900.3933
WWW.STUDIOSHED.COM

ISSUE DATE

REVISIONS

PRIMARY DWELLING, GUEST WING, WORKSHOP / GARAGE
TYPE OF CONSTRUCTION
KIM FOWLER
NAME
RIVER BLUFF DR N
DUNN, NC 28834
ADDRESS

PREPARER OF PLANS:

ANDREW LANGDON
ALANGDON@STUDIOSHED.COM
(303) 945-6973

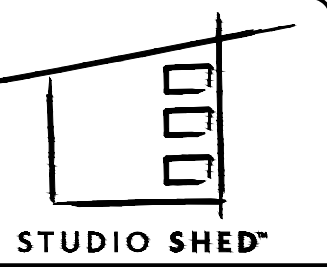
10/09/24

24x36
SHEET SIZE

A-100B
FIRST FLOOR PLAN



SEE A-200/201 FOR WINDOW AND DOOR INFORMATION



1500 CHERRY STREET
LOUISVILLE, CO 80027
Ph: 888.900.3933
WWW.STUDIOSHED.COM

ISSUE DATE

REVISIONS

PRIMARY DWELLING, GUEST WING, WORKSHOP / GARAGE
TYPE OF CONSTRUCTION
KIM FOWLER
NAME
RIVER BLUFF DR N
DUNN, NC 28334
ADDRESS

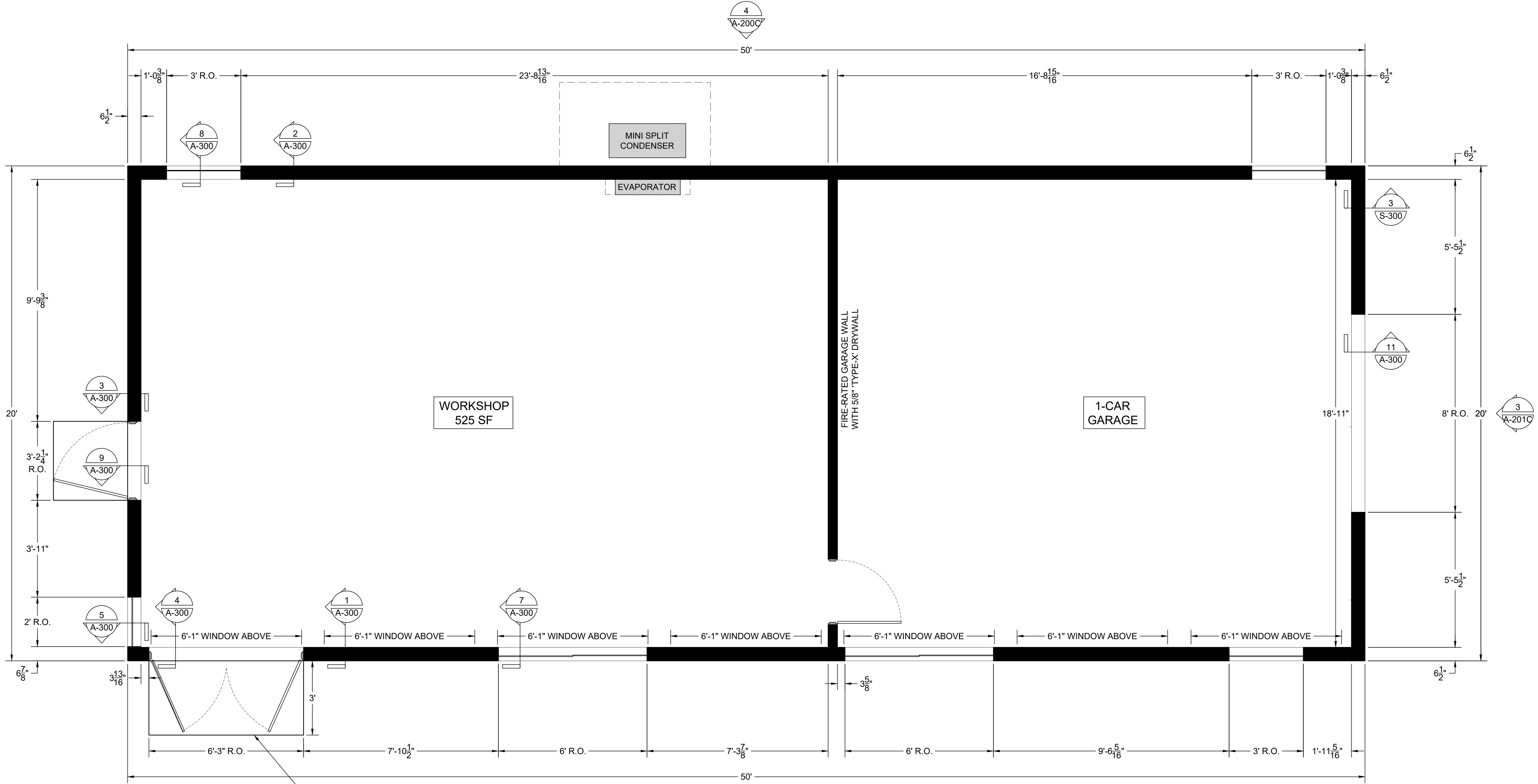
PREPARER OF PLANS:

ANDREW LANGDON
ALANGDON@STUDIOSHED.COM
(303) 945-6973

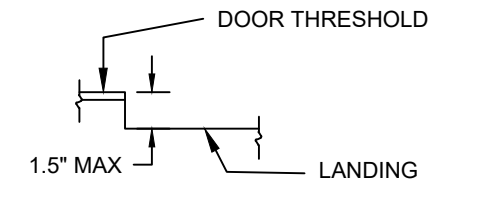
10/09/24

24x36
SHEET SIZE

A-100C
FIRST FLOOR PLAN

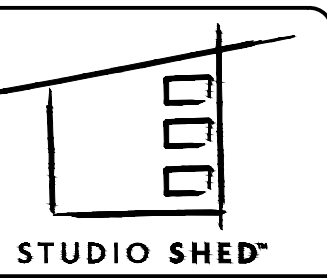


LANDING PER IRC R311.3 MINIMUM DIMENSIONS SHOWN. SLOPE WILL NOT EXCEED 2%. MAX STEP HEIGHT FROM EXTERIOR LANDING OR FINISHED FLOOR TO TOP OF THRESHOLD SHALL NOT EXCEED 1.5 INCHES. (NOT MORE THAN 7.75 INCHES IF THE DOOR DOES NOT SWING OVER THE LANDING OR FLOOR)



1 FIRST FLOOR PLAN
A-100C SCALE: 1/2" = 1'-0"





1500 CHERRY STREET
LOUISVILLE, CO 80027
Ph: 888.900.3933
WWW.STUDIOSHED.COM

ISSUE DATE

REVISIONS

PRIMARY DWELLING, GUEST WING, WORKSHOP / GARAGE
TYPE OF CONSTRUCTION
KIM FOWLER
NAME
RIVER BLUFF DR N
DUNN, NC 28834
ADDRESS

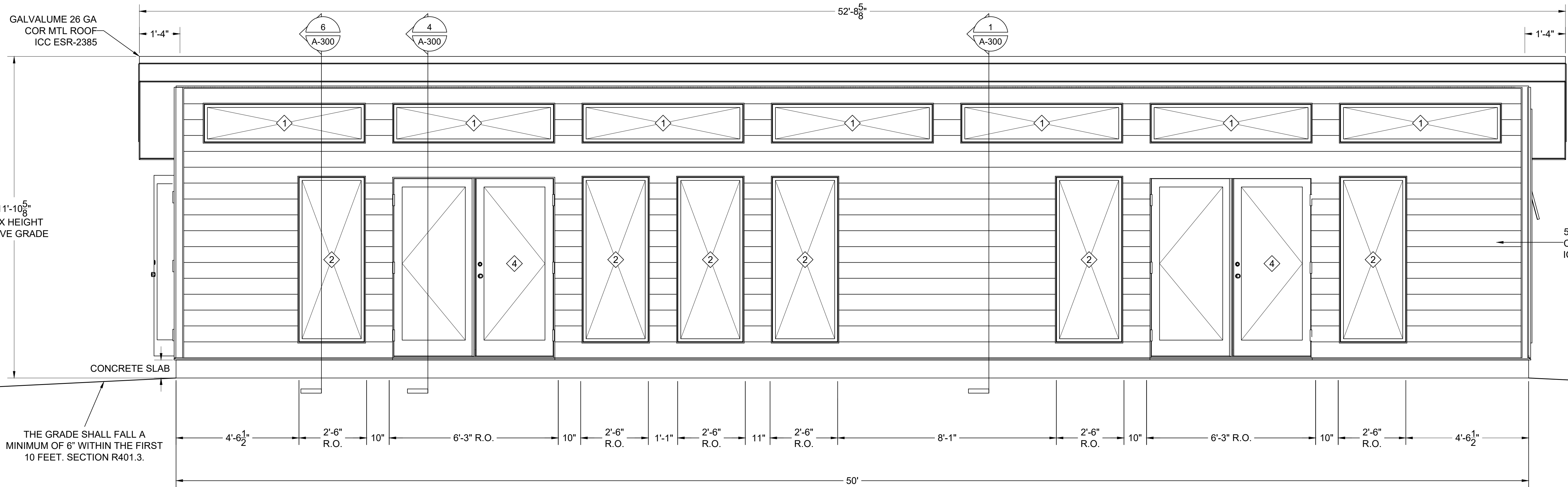
PREPARER OF PLANS:

ANDREW LANGDON
ALANGDON@STUDIOSHED.COM
(303) 945-6973

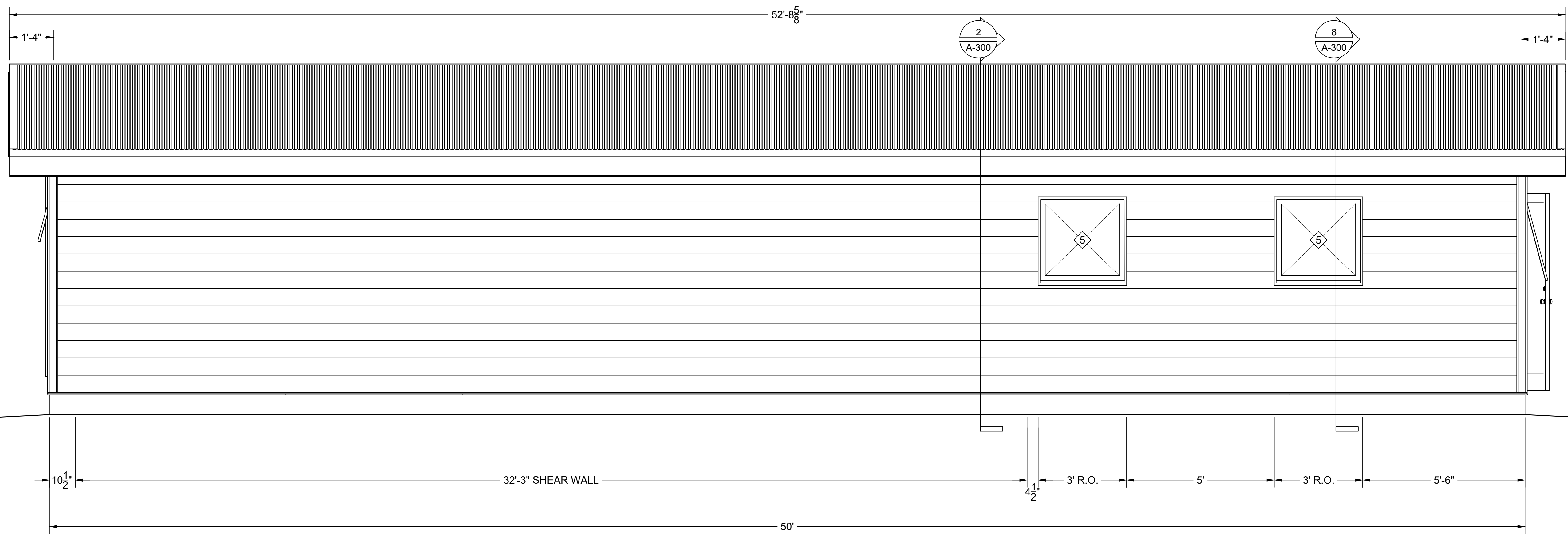
Andrew Langdon
10/09/24

24x36
SHEET SIZE

A-200A
BUILDING ELEVATIONS



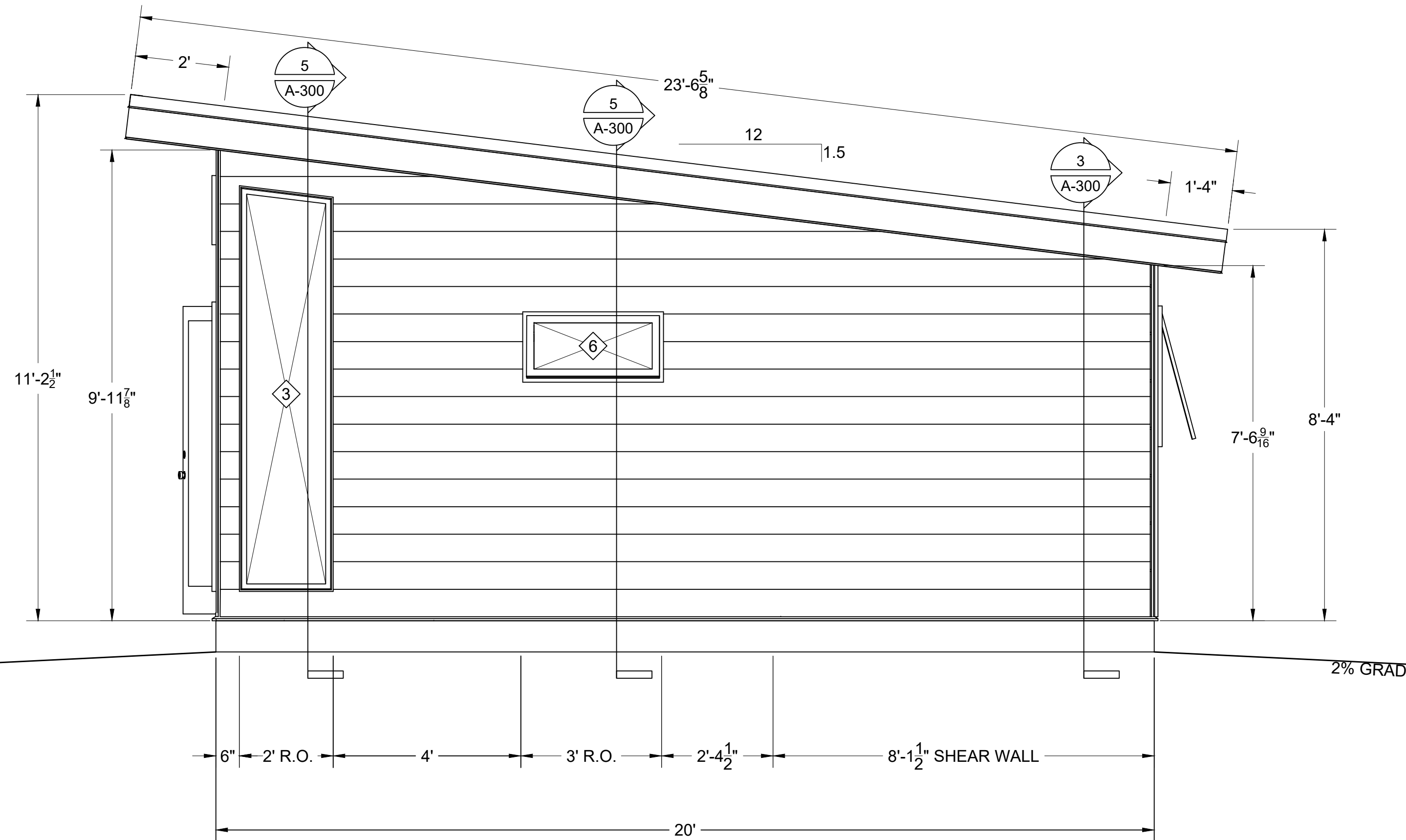
1 FRONT ELEVATION
A-200A SCALE: 1/2" = 1'-0"



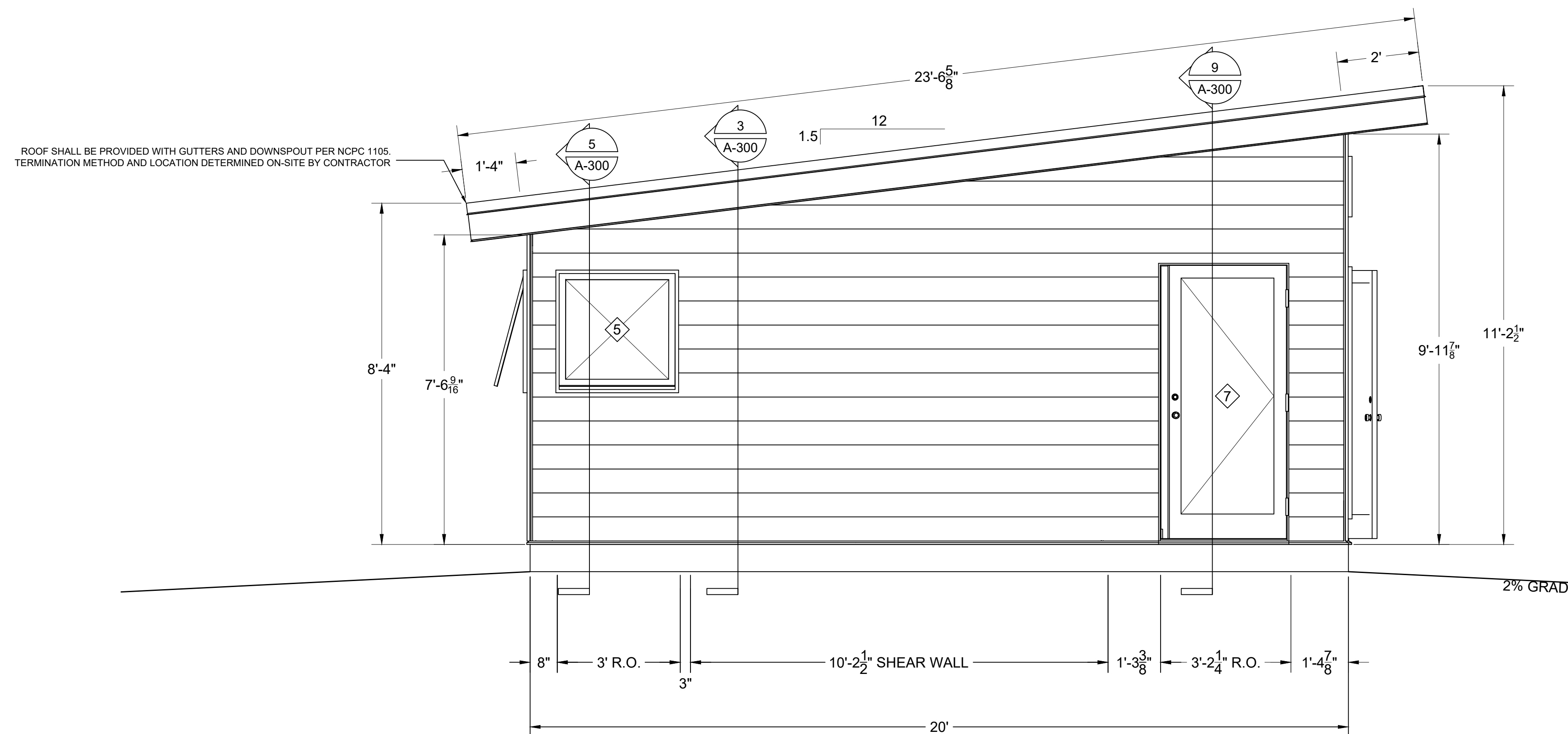
2 BACK ELEVATION
A-200A SCALE: 1/2" = 1'-0"

WINDOW AND DOOR SCHEDULE - PRIMARY DWELLING (A)								
NO.	SIZE (WIDTH x HEIGHT)	FRAME	QTY	LOCATION	DESCRIPTION	MAKE / MODEL	U-FACTOR	SHGC
1	6'-1" x 1'-5 3/4"	FIBERGLASS	7	FRONT ELEVATION	FIXED, DOUBLE PANE, LOW-E	MARVIN ESSENTIALS	.28	.24
2	2'-6" x 6'-2"	FIBERGLASS	6	FRONT ELEVATION	FIXED, DOUBLE PANE, LOW-E, TEMPERED	MARVIN ESSENTIALS	.28	.24
3	2'-0" x 8'-7 3/4"	FIBERGLASS	1	RIGHT ELEVATION	FIXED, DOUBLE PANE, LOW-E, TEMPERED	MARVIN ESSENTIALS	.28	.24
4	6'-2 1/2" x 6'-8 3/4"	FIBERGLASS	2	FRONT ELEVATION	72" OUTSWING, LHO, DOUBLE PANE, LOW-E, TEMPERED	THERMATRU	.26	.15
5	3'-0" x 3'-0"	FIBERGLASS	3	BACK AND LEFT ELEVATION	OPERABLE AWNING, DOUBLE PANE, LOW-E	MARVIN ESSENTIALS	.33	.29
6	3'-0" x 1'-6"	FIBERGLASS	1	RIGHT ELEVATION	OPERABLE AWNING, DOUBLE PANE, LOW-E	MARVIN ESSENTIALS	.33	.29
7	3'-2" x 6'-8 3/4"	FIBERGLASS	1	LEFT ELEVATION	36" OUTSWING, LHO, DOUBLE PANE, LOW-E, TEMPERED	THERMATRU	.26	.15
8	3'-2" x 6'-8 3/4"	FIBERGLASS	0	-	-	-	-	-
9	3'-0" x 3'-6"	FIBERGLASS	0	-	-	-	-	-
10	6'-0" x 3'-6"	FIBERGLASS	0	-	-	-	-	-
11	8'-0" x 6'-10"	TBD	0	-	-	-	-	-

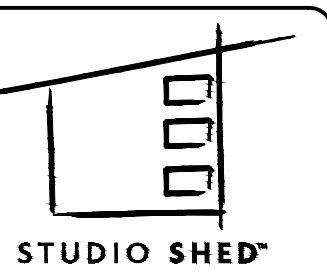
MIN FINISHED CEILING HEIGHT: 7'-6 9/16"
 MAX FINISHED CEILING HEIGHT: 9'-11 7/8"
 AVERAGE FINISHED CEILING HEIGHT: 8'-8 1/2"



1 RIGHT ELEVATION
 A-201A SCALE: 1/2" = 1'-0"



2 LEFT ELEVATION
 A-201A SCALE: 1/2" = 1'-0"



1500 CHERRY STREET
 LOUISVILLE, CO 80027
 Ph: 888.900.3933
 WWW.STUDIOSHED.COM

ISSUE DATE

REVISIONS

PRIMARY DWELLING, GUEST WING, WORKSHOP / GARAGE
 TYPE OF CONSTRUCTION
 KIM FOWLER
 NAME
 RIVER BLUFF DR N
 DUNN, NC 28334
 ADDRESS

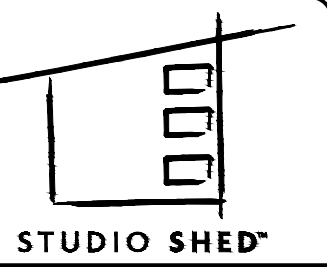
PREPARER OF PLANS:

ANDREW LANGDON
 ALANGDON@STUDIOSHED.COM
 (303) 945-6973

10/09/24

24x36
 SHEET SIZE

A-201A
 BUILDING ELEVATIONS



1500 CHERRY STREET
LOUISVILLE, CO 80027
Ph: 888.900.3933
WWW.STUDIOSHED.COM

ISSUE DATE

REVISIONS

PRIMARY DWELLING, GUEST WING, WORKSHOP / GARAGE

KIM FOWLER
NAME

RIVER BLUFF DR N
DUNN, NC 28834
ADDRESS

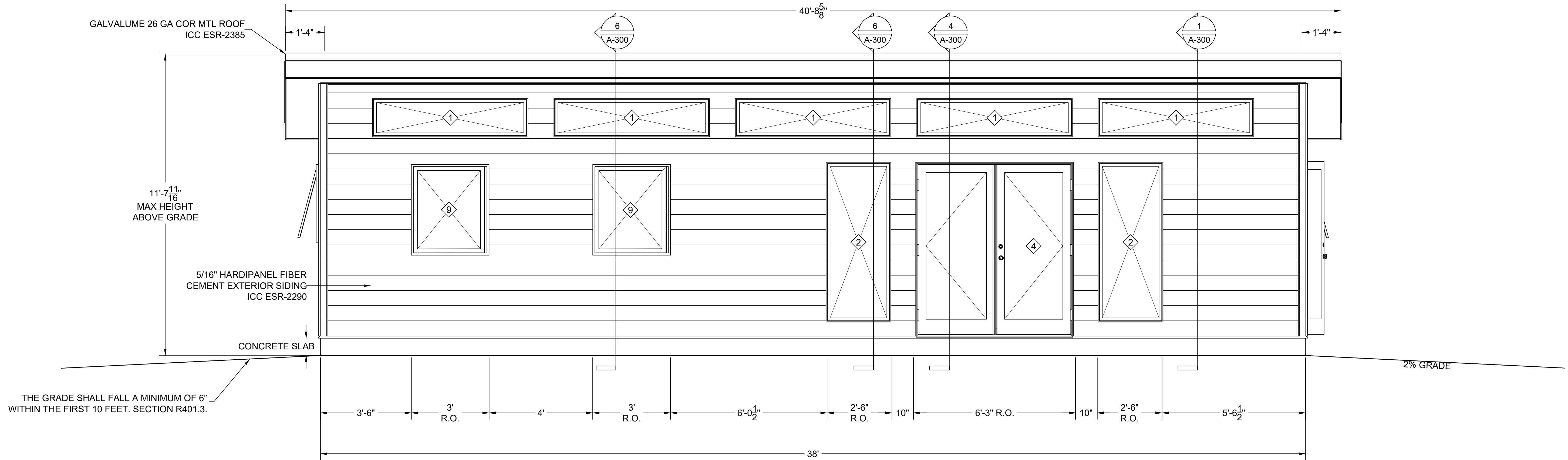
PREPARER OF PLANS:

ANDREW LANGDON
ALANGDON@STUDIOSHED.COM
(303) 945-6973

10/09/24

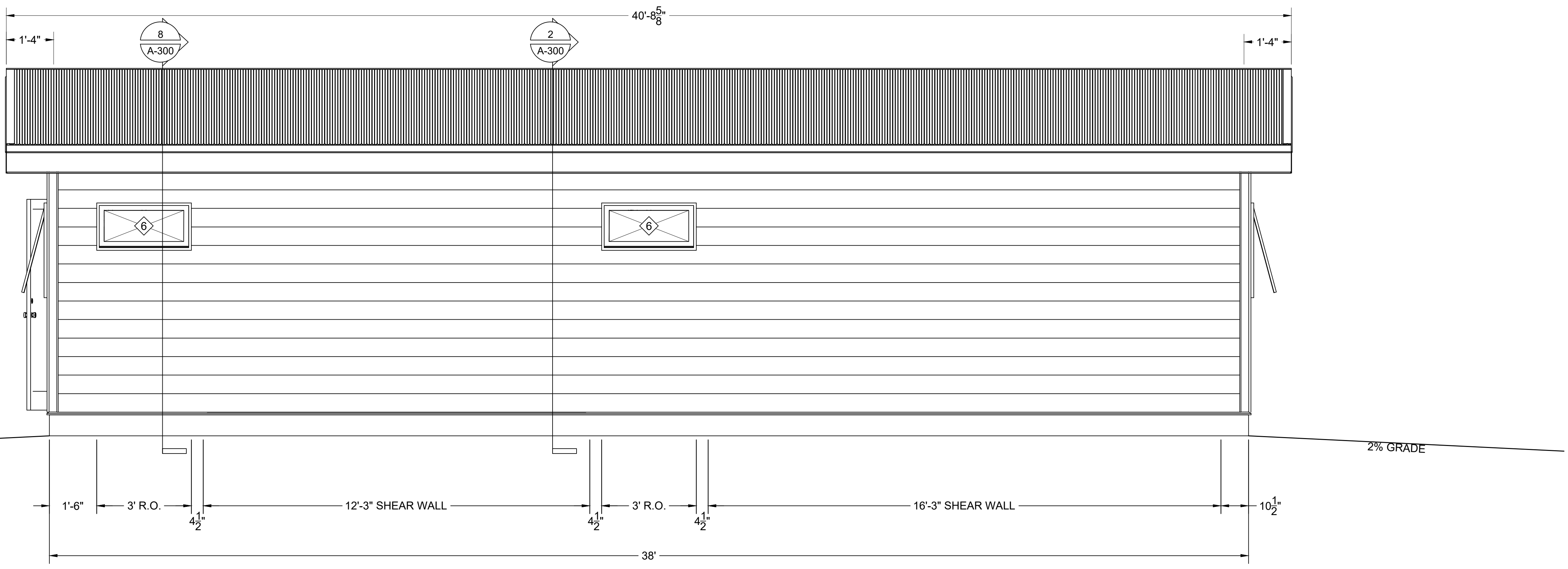
24x36
SHEET SIZE

A-200B
BUILDING ELEVATIONS



THE GRADE SHALL FALL A MINIMUM OF 6\"/>

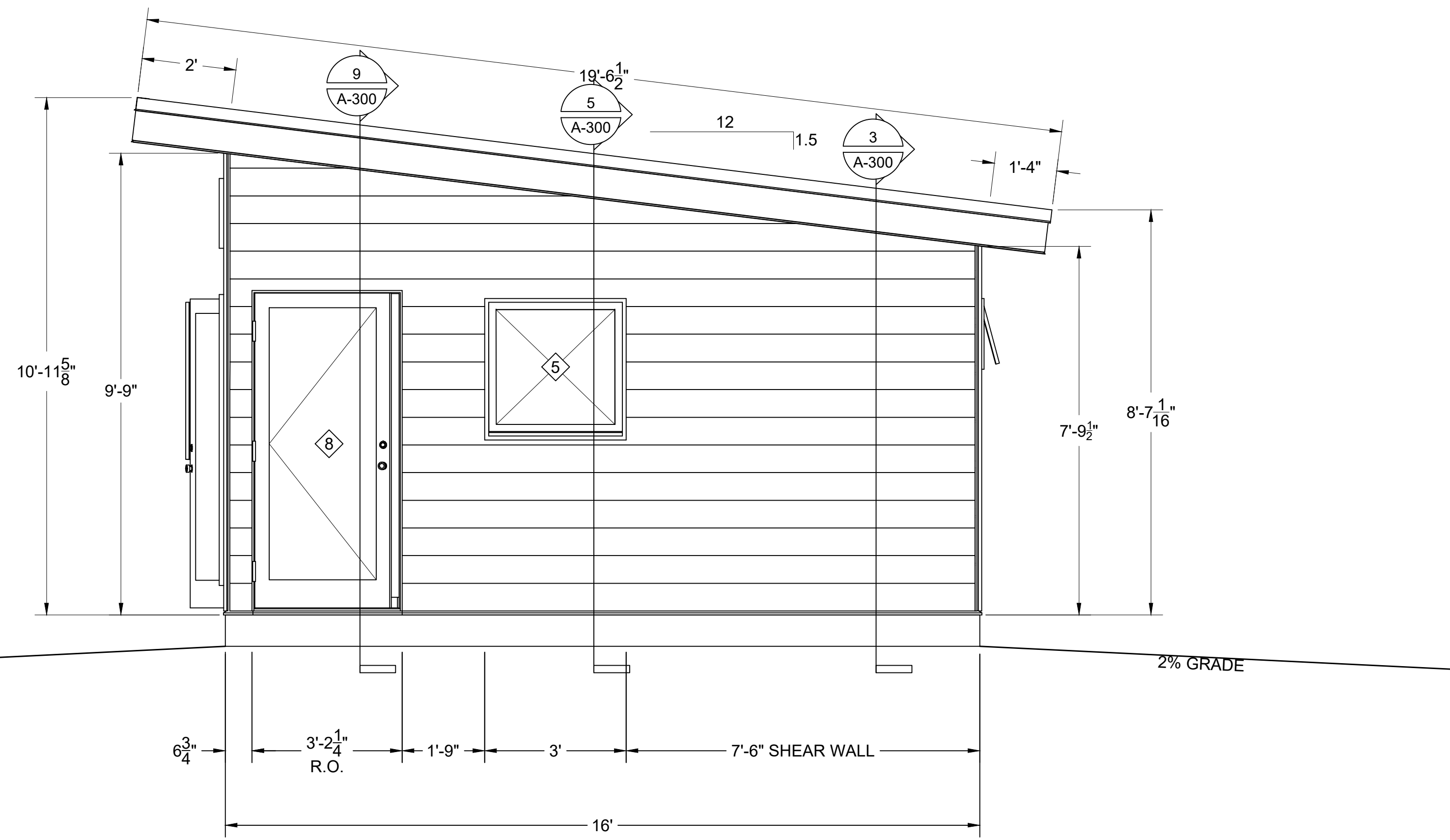
1 FRONT ELEVATION
A-200B SCALE: 1/2\"/>



2 BACK ELEVATION
A-200B SCALE: 1/2\"/>

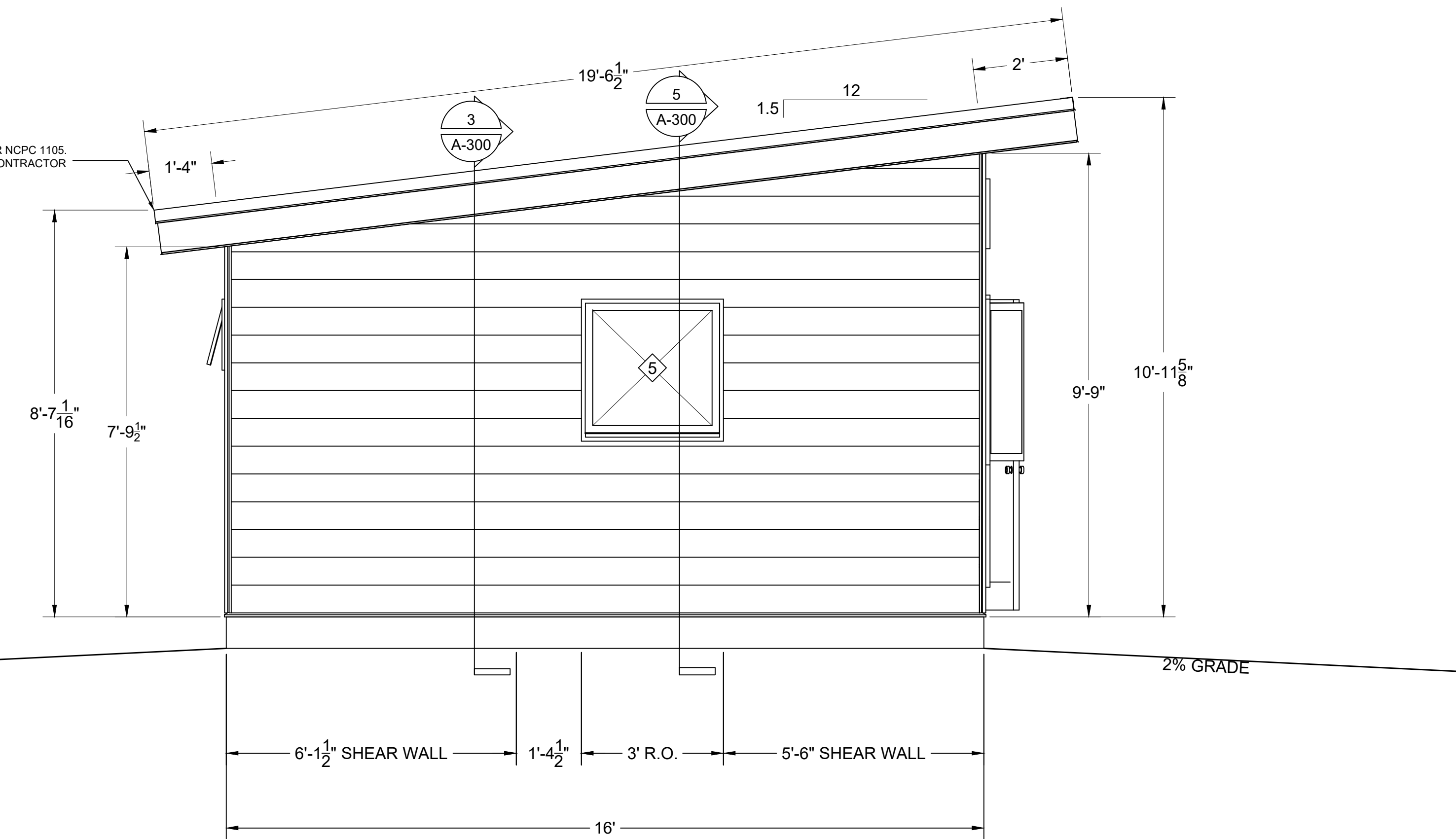
WINDOW AND DOOR SCHEDULE - GUEST WING (B)								
NO.	SIZE (WIDTH x HEIGHT)	FRAME	QTY	LOCATION	DESCRIPTION	MAKE / MODEL	U-FACTOR	SHGC
1	6'-1" x 1'-5 3/4"	FIBERGLASS	5	FRONT ELEVATION	FIXED, DOUBLE PANE, LOW-E	MARVIN ESSENTIALS	.28	.24
2	2'-6" x 6'-2"	FIBERGLASS	2	FRONT ELEVATION	FIXED, DOUBLE PANE, LOW-E, TEMPERED	MARVIN ESSENTIALS	.28	.24
3	2'-0" x 8'-7 3/4"	FIBERGLASS	0	-	-	-	-	-
4	6'-2 1/2" x 6'-8 3/4"	FIBERGLASS	1	FRONT ELEVATION	72" OUTSWING, LHO, DOUBLE PANE, LOW-E, TEMPERED	THERMATRU	.26	.15
5	3'-0" x 3'-0"	FIBERGLASS	2	LEFT AND RIGHT ELEVATION	OPERABLE AWNING, DOUBLE PANE, LOW-E	MARVIN ESSENTIALS	.33	.29
6	3'-0" x 1'-6"	FIBERGLASS	2	BACK ELEVATION	OPERABLE AWNING, DOUBLE PANE, LOW-E	MARVIN ESSENTIALS	.33	.29
7	3'-2" x 6'-8 3/4"	FIBERGLASS	0	-	-	-	-	-
8	3'-2" x 6'-8 3/4"	FIBERGLASS	1	RIGHT ELEVATION	36" OUTSWING, RHO, DOUBLE PANE, LOW-E, TEMPERED	THERMATRU	.26	.15
9	3'-0" x 3'-6"	FIBERGLASS	2	FRONT ELEVATION	OPERABLE CASEMENT, DOUBLE PANE, LOW-E	MARVIN ESSENTIALS	.32	.29
10	6'-0" x 3'-6"	FIBERGLASS	0	-	-	-	-	-
11	8'-0" x 6'-10"	TBD	0	-	-	-	-	-

MIN FINISHED CEILING HEIGHT: 7'-9 1/2"
 MAX FINISHED CEILING HEIGHT: 9'-9"
 AVERAGE FINISHED CEILING HEIGHT: 8'-9"

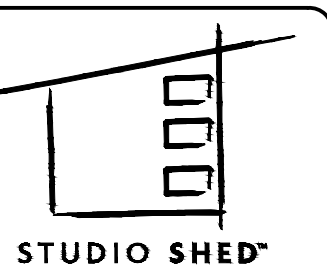


1 RIGHT ELEVATION
 A-201B SCALE: 1/2" = 1'-0"

ROOF SHALL BE PROVIDED WITH GUTTERS AND DOWNSPOUT PER NCP 1105.
 TERMINATION METHOD AND LOCATION DETERMINED ON-SITE BY CONTRACTOR



2 LEFT ELEVATION
 A-201B SCALE: 1/2" = 1'-0"



1500 CHERRY STREET
 LOUISVILLE, CO 80027
 Ph: 888.900.3933
 WWW.STUDIOSHED.COM

ISSUE DATE

REVISIONS

PRIMARY DWELLING, GUEST WING, WORKSHOP / GARAGE
 TYPE OF CONSTRUCTION
 KIM FOWLER
 NAME
 RIVER BLUFF DR N
 DUNN, NC 28334
 ADDRESS

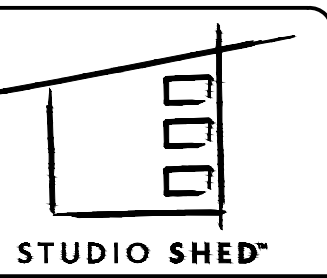
PREPARER OF PLANS:

ANDREW LANGDON
 ALANGDON@STUDIOSHED.COM
 (303) 945-6973

10/09/24

24x36
 SHEET SIZE

A-201B
 BUILDING ELEVATIONS



1500 CHERRY STREET
LOUISVILLE, CO 80027
Ph: 888.900.3933
WWW.STUDIOSHED.COM

ISSUE DATE

REVISIONS

PRIMARY DWELLING, GUEST WING, WORKSHOP / GARAGE

KIM FOWLER
NAME

RIVER BLUFF DR N
DUNN, NC 28334
ADDRESS

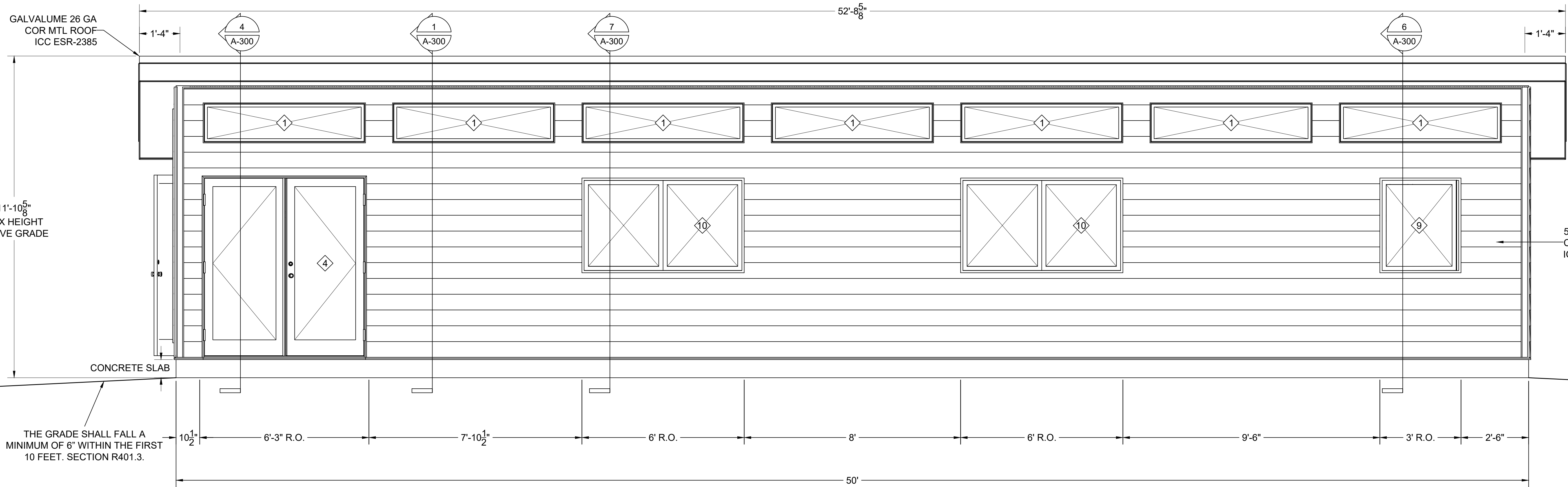
PREPARER OF PLANS:

ANDREW LANGDON
ALANGDON@STUDIOSHED.COM
(303) 945-6973

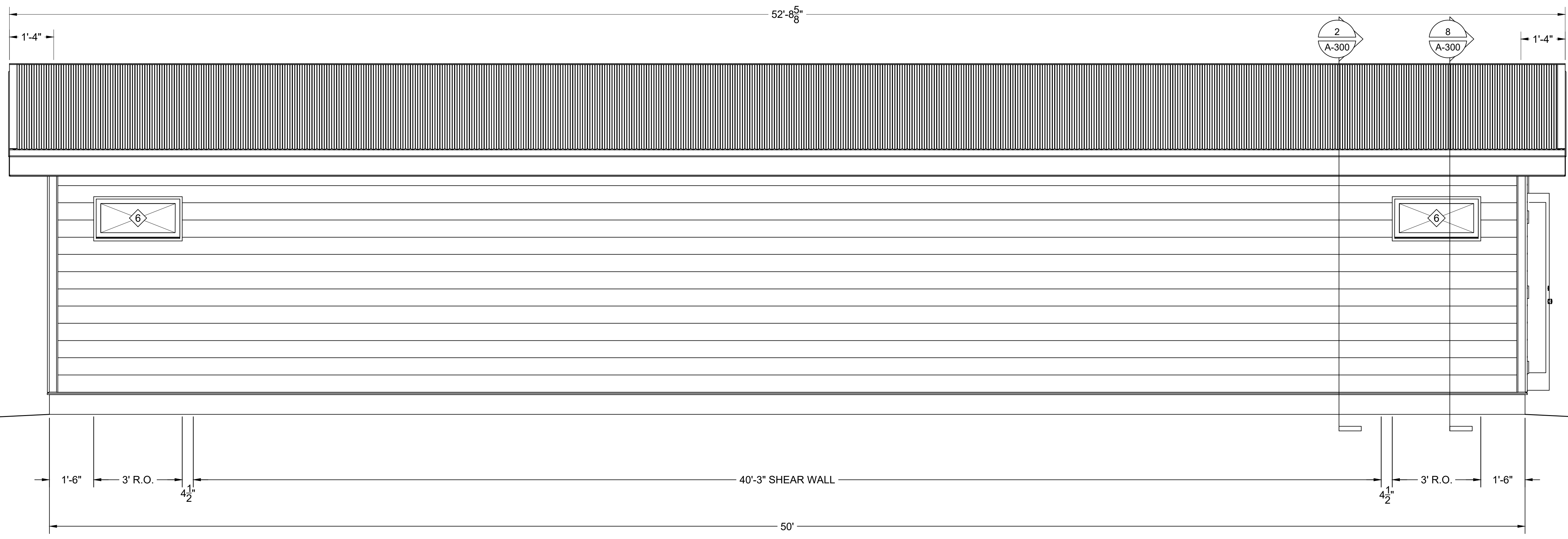
10/09/24

24x36
SHEET SIZE

A-200C
BUILDING ELEVATIONS



1 FRONT ELEVATION
A-200C SCALE: 1/2" = 1'-0"

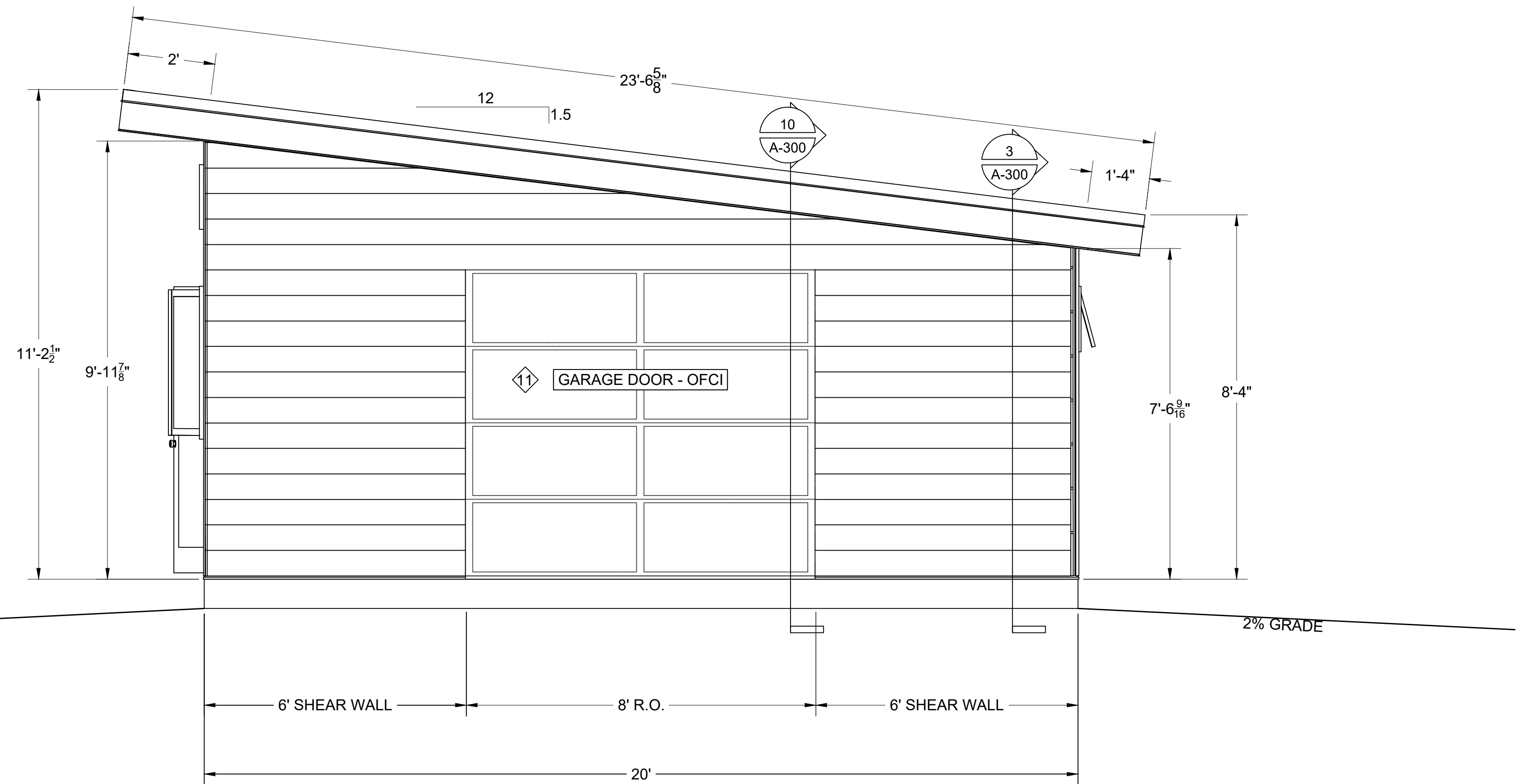


2 BACK ELEVATION
A-200C SCALE: 1/2" = 1'-0"

WINDOW AND DOOR SCHEDULE - WORKSHOP & GARAGE (C)								
NO.	SIZE (WIDTH x HEIGHT)	FRAME	QTY	LOCATION	DESCRIPTION	MAKE / MODEL	U-FACTOR	SHGC
1	6'-1" x 1'-5 3/4"	FIBERGLASS	7	FRONT ELEVATION	FIXED, DOUBLE PANE, LOW-E	MARVIN ESSENTIALS	.28	.24
2	2'-6" x 6'-2"	FIBERGLASS	0	-	-	-	-	-
3	2'-0" x 8'-7 3/4"	FIBERGLASS	1	LEFT ELEVATION	FIXED, DOUBLE PANE, LOW-E, TEMPERED	MARVIN ESSENTIALS	.28	.24
4	6'-2 1/2" x 6'-8 3/4"	FIBERGLASS	1	LEFT ELEVATION	72" OUTSWING, LHO, DOUBLE PANE, LOW-E, TEMPERED	THERMATRU	.26	.15
5	3'-0" x 3'-0"	FIBERGLASS	0	-	-	-	-	-
6	3'-0" x 1'-6"	FIBERGLASS	2	BACK ELEVATION	OPERABLE AWNING, DOUBLE PANE, LOW-E	MARVIN ESSENTIALS	.33	.29
7	3'-2" x 6'-8 3/4"	FIBERGLASS	1	LEFT ELEVATION	36" OUTSWING, LHO, DOUBLE PANE, LOW-E, TEMPERED	THERMATRU	.26	.15
8	3'-2" x 6'-8 3/4"	FIBERGLASS	0	-	-	-	-	-
9	3'-0" x 3'-6"	FIBERGLASS	1	FRONT ELEVATION	OPERABLE CASEMENT, DOUBLE PANE, LOW-E	MARVIN ESSENTIALS	.32	.29
10	6'-0" x 3'-6"	FIBERGLASS	2	FRONT ELEVATION	OPERABLE GLIDER, DOUBLE PANE, LOW-E	MARVIN ESSENTIALS	.29	.22
11	8'-0" x 6'-10"	TBD	1	RIGHT ELEVATION	TBD - OWNER FURNISHED, CONTRACTOR INSTALLED	TBD	*	*

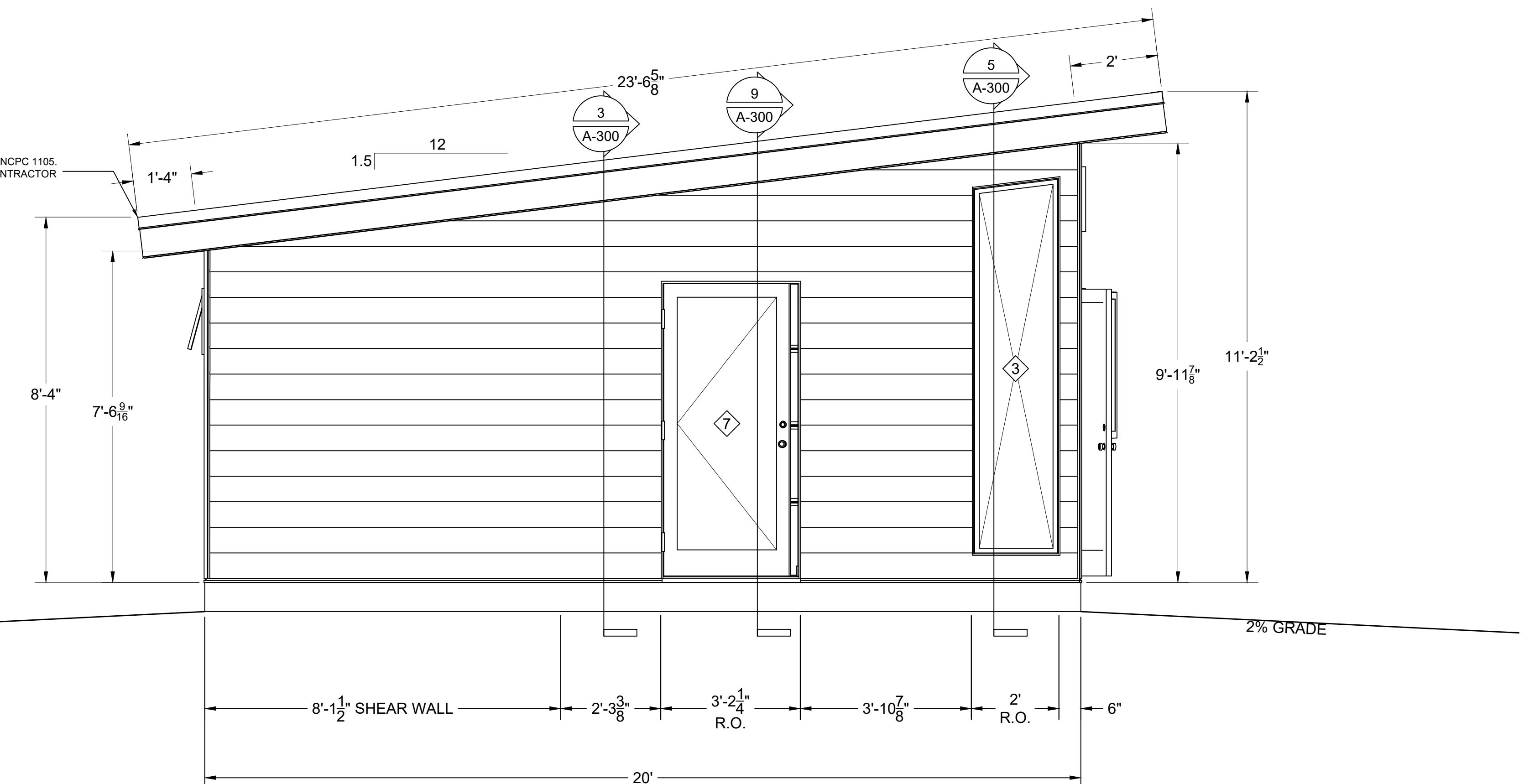
MIN FINISHED CEILING HEIGHT: 7'-6 9/16"
 MAX FINISHED CEILING HEIGHT: 9'-11 7/8"
 AVERAGE FINISHED CEILING HEIGHT: 8'-8 1/2"

* - U-FACTOR AND SHGC SHALL ADHERE TO REQUIRED MINIMUMS PER 2018 NCECC

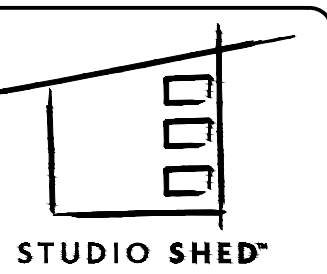


1 RIGHT ELEVATION
 A-201C SCALE: 1/2" = 1'-0"

ROOF SHALL BE PROVIDED WITH GUTTERS AND DOWNSPOUT PER NCPC 1105. TERMINATION METHOD AND LOCATION DETERMINED ON-SITE BY CONTRACTOR



2 LEFT ELEVATION
 A-201C SCALE: 1/2" = 1'-0"



1500 CHERRY STREET
 LOUISVILLE, CO 80027
 Ph: 888.900.3933
 WWW.STUDIOSHED.COM

ISSUE DATE

REVISIONS

PRIMARY DWELLING, GUEST WING, WORKSHOP / GARAGE
 TYPE OF CONSTRUCTION
 KIM FOWLER
 NAME
 RIVER BLUFF DR N
 DUNN, NC 28834
 ADDRESS

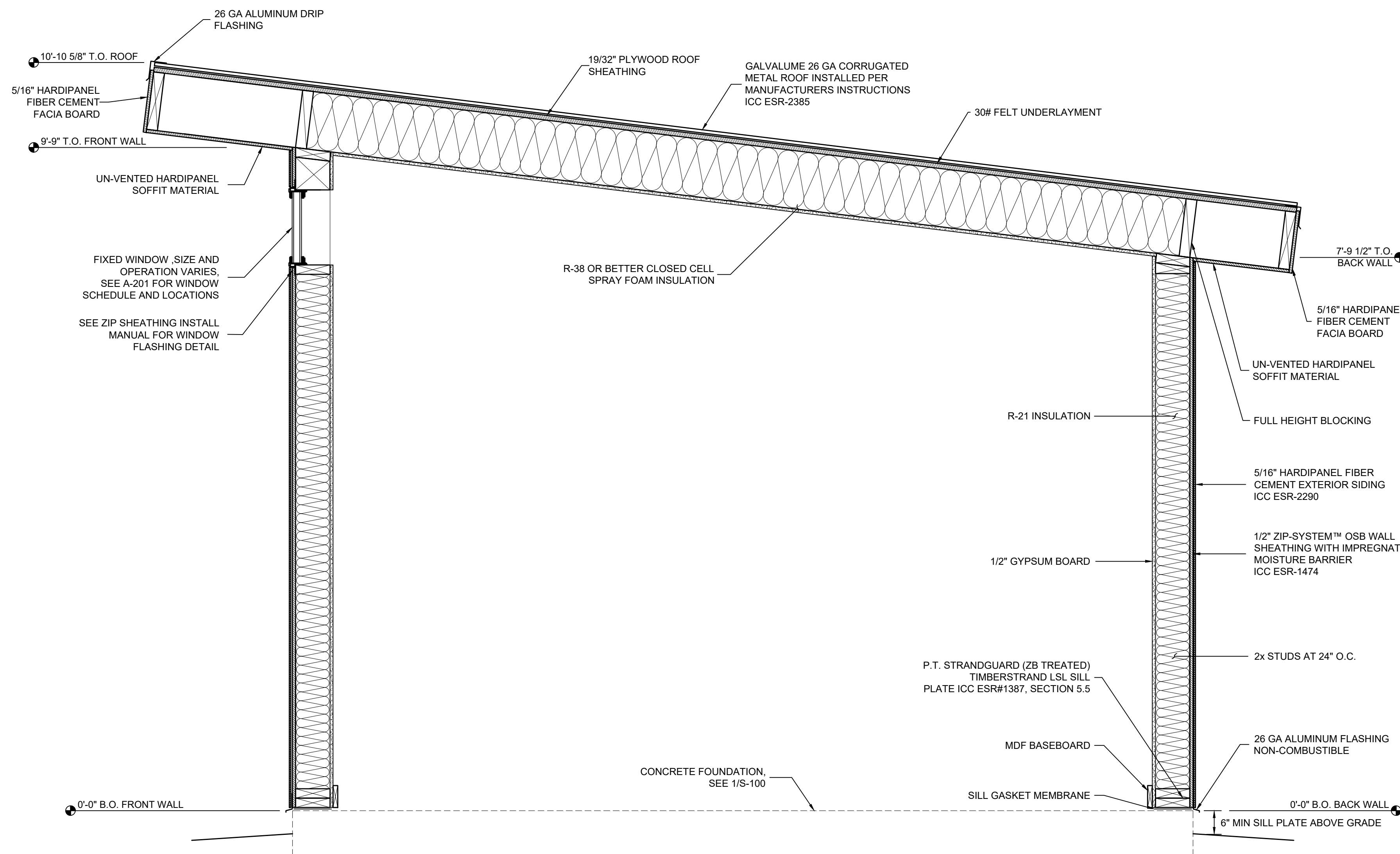
PREPARER OF PLANS:

ANDREW LANGDON
 ALANGDON@STUDIOSHED.COM
 (303) 945-6973

10/09/24

24x36
 SHEET SIZE

A-201C
 BUILDING ELEVATIONS



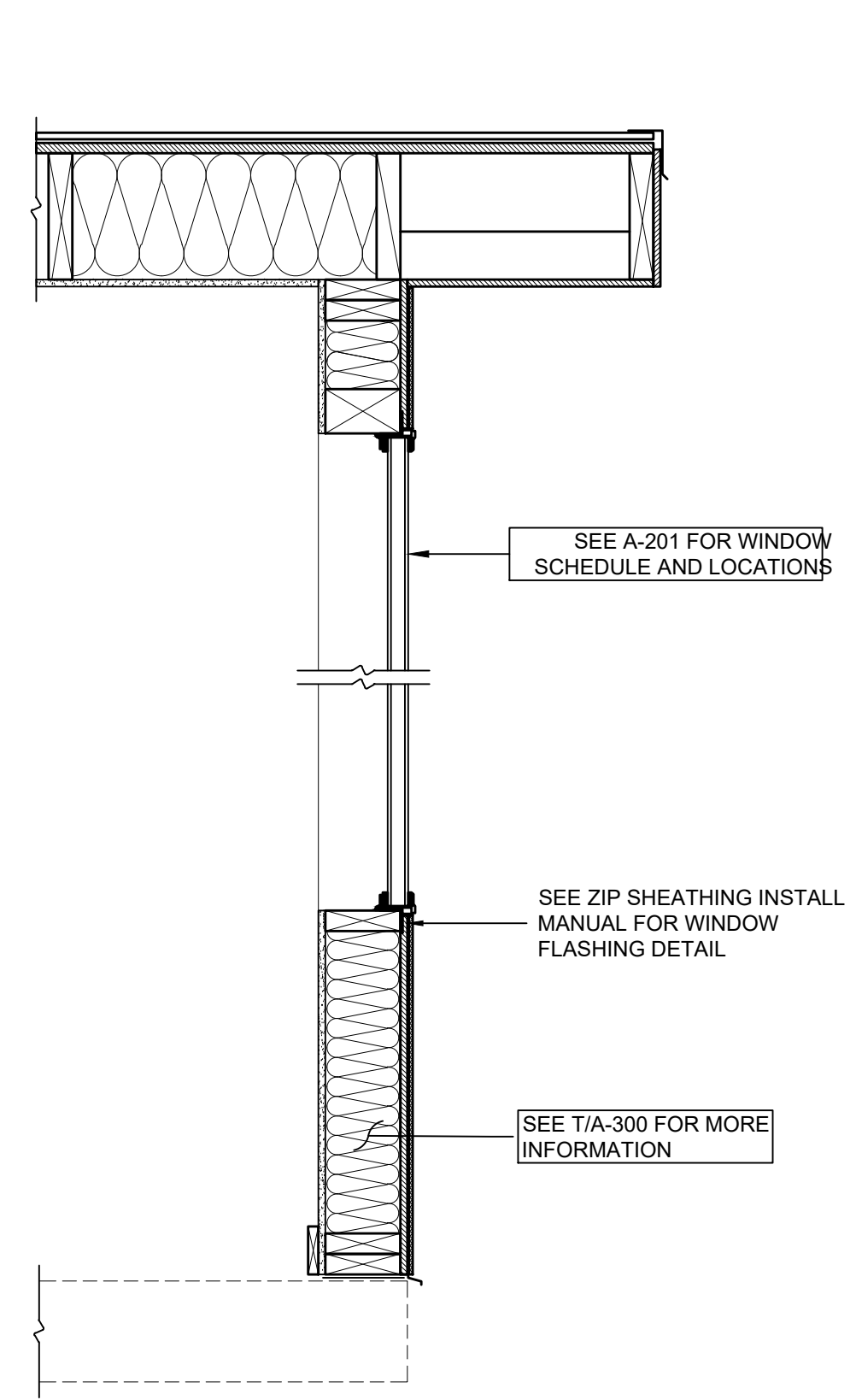
1 FRONT WALL SECTION
A-300 SCALE: 1" = 1'-0"

T TRANSVERSE SECTION
A-300 SCALE: 1" = 1'-0"

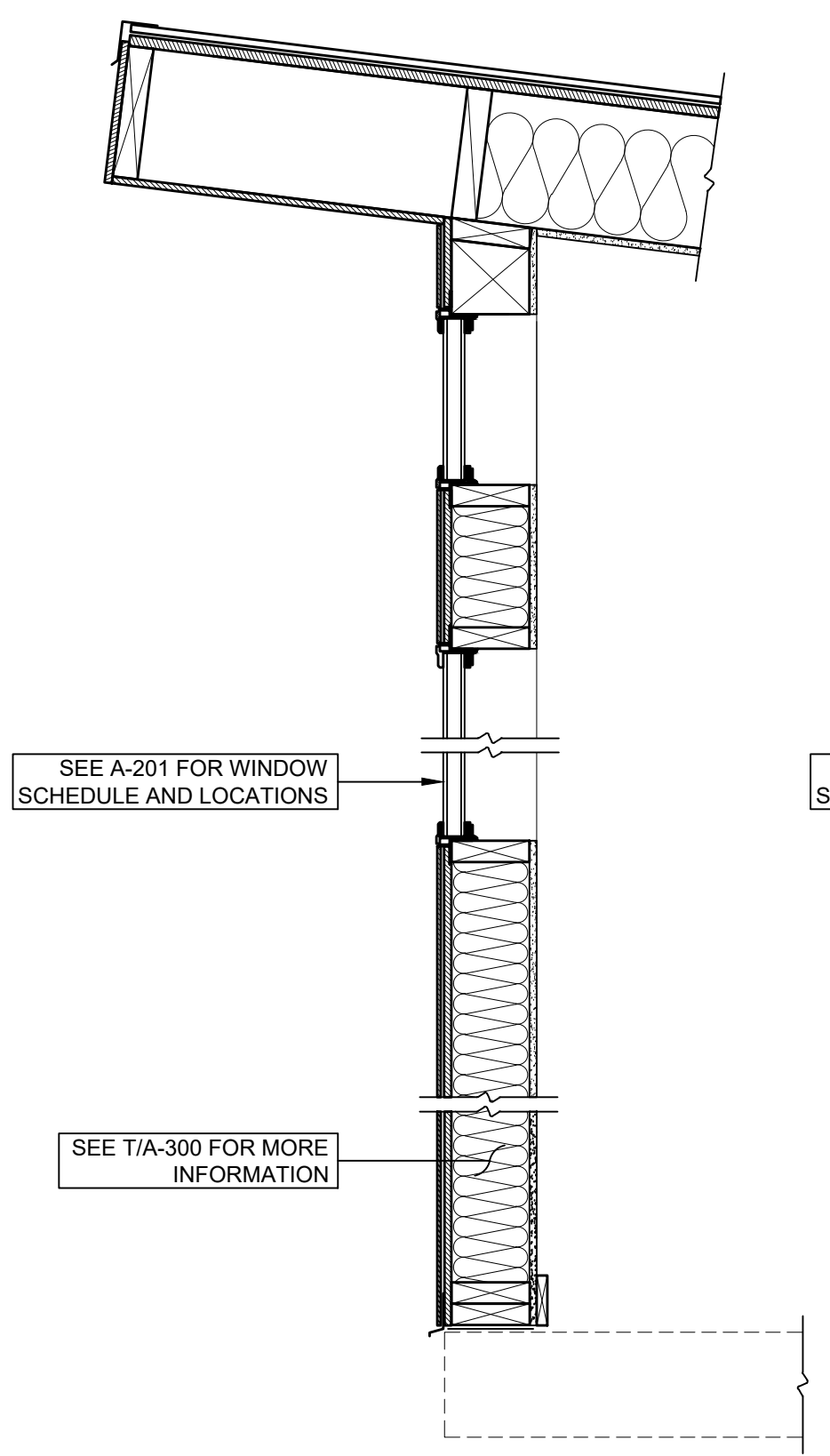
2 BACK WALL SECTION
A-300 SCALE: 1" = 1'-0"

3 RAKE WALL SECTION
A-300 SCALE: 1" = 1'-0"

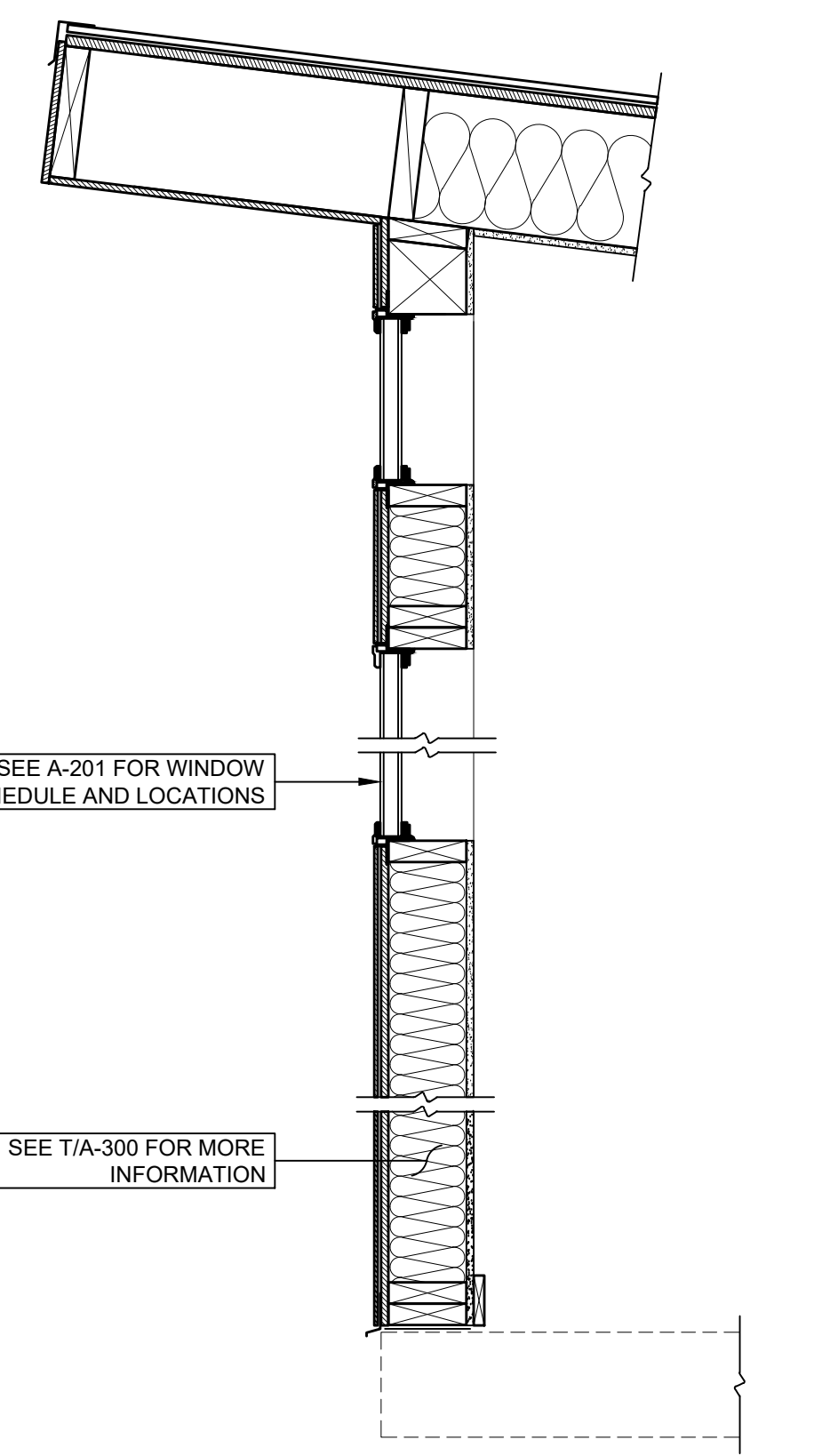
4 FRONT WALL SECTION AT 72" DOOR
A-300 SCALE: 1" = 1'-0"



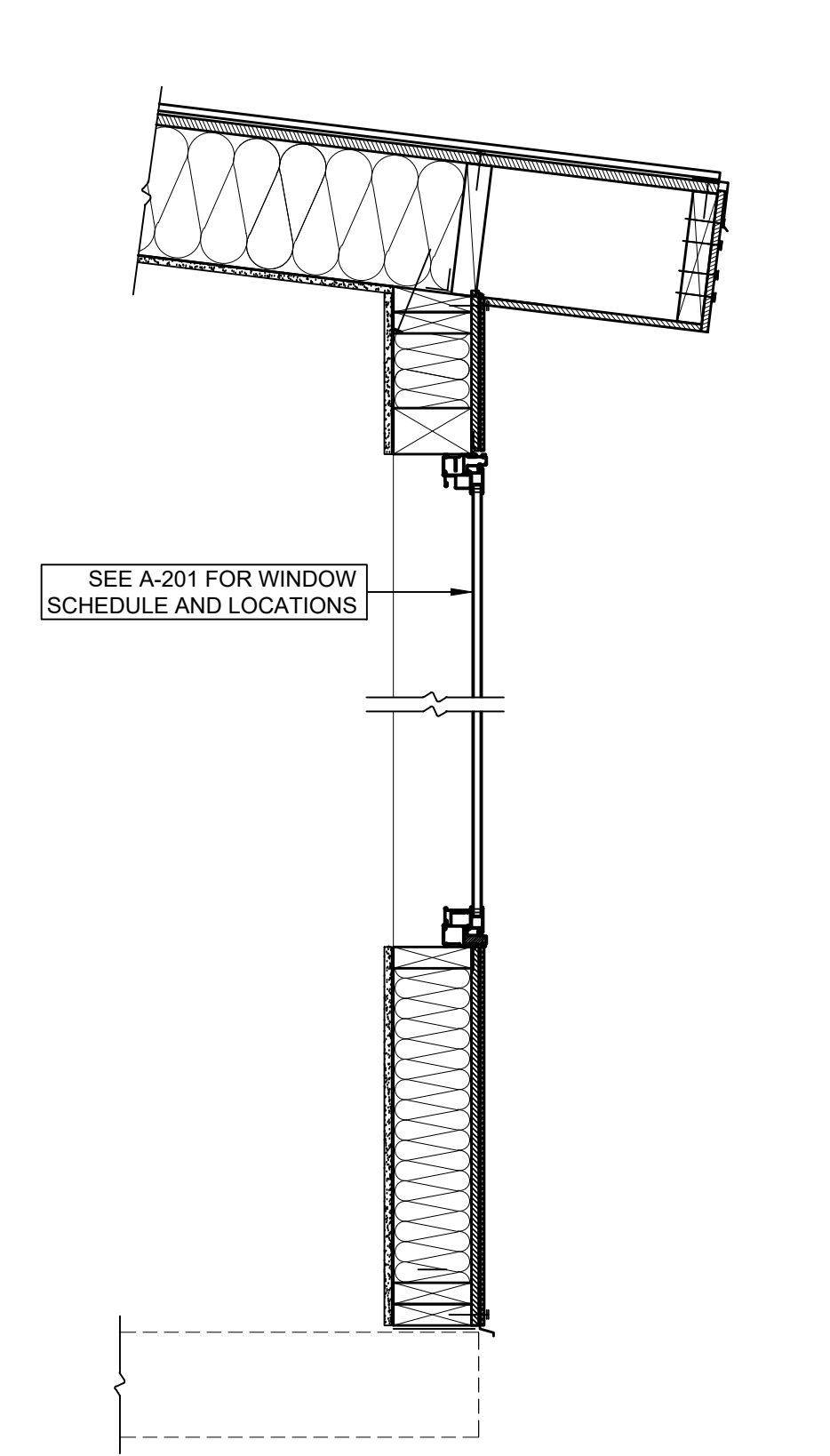
5 TYP WALL SECTION WITH WINDOW
A-300 SCALE: 1" = 1'-0"



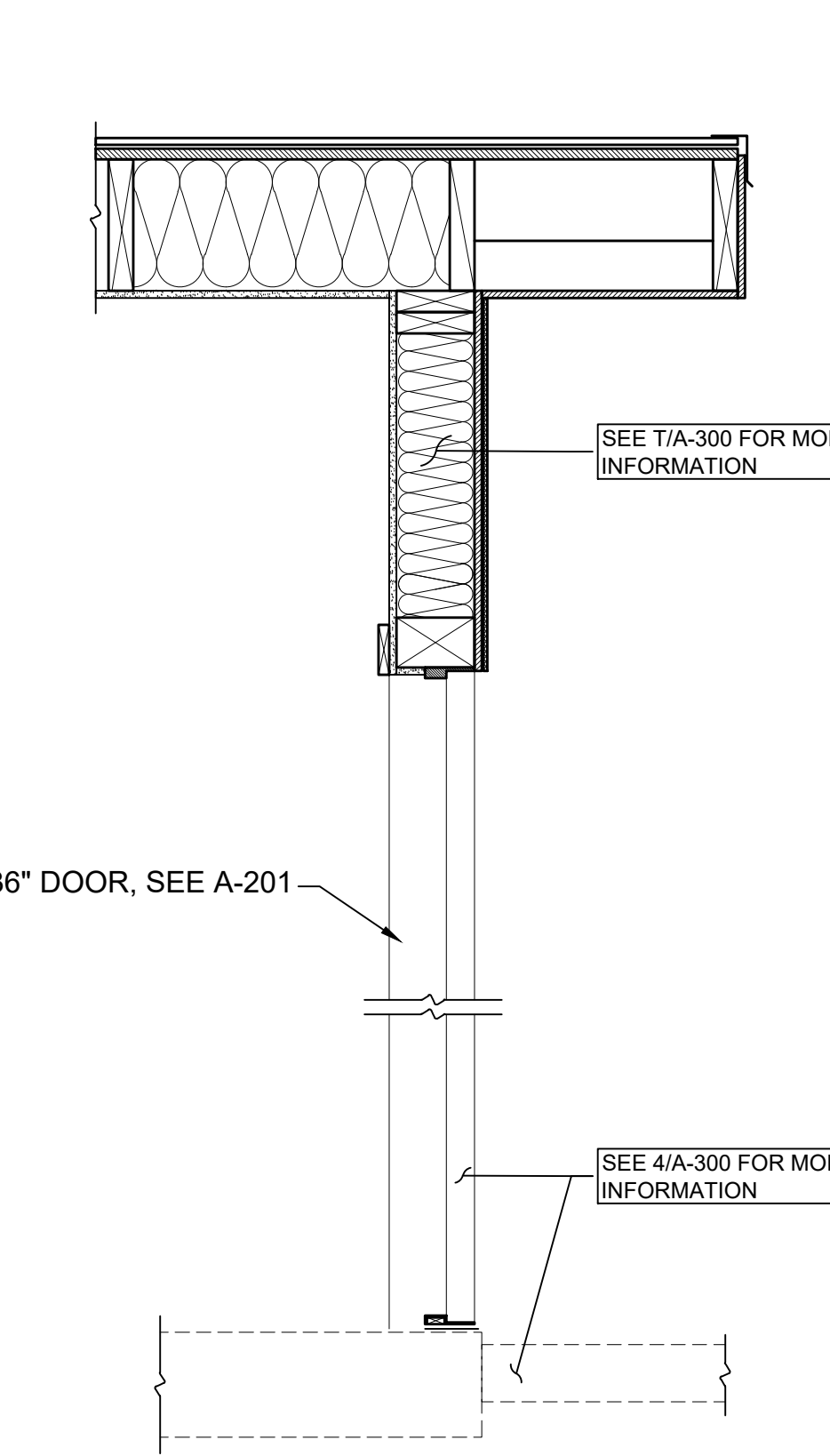
6 FRONT WALL SECTION WITH WINDOW
A-300 SCALE: 1" = 1'-0"



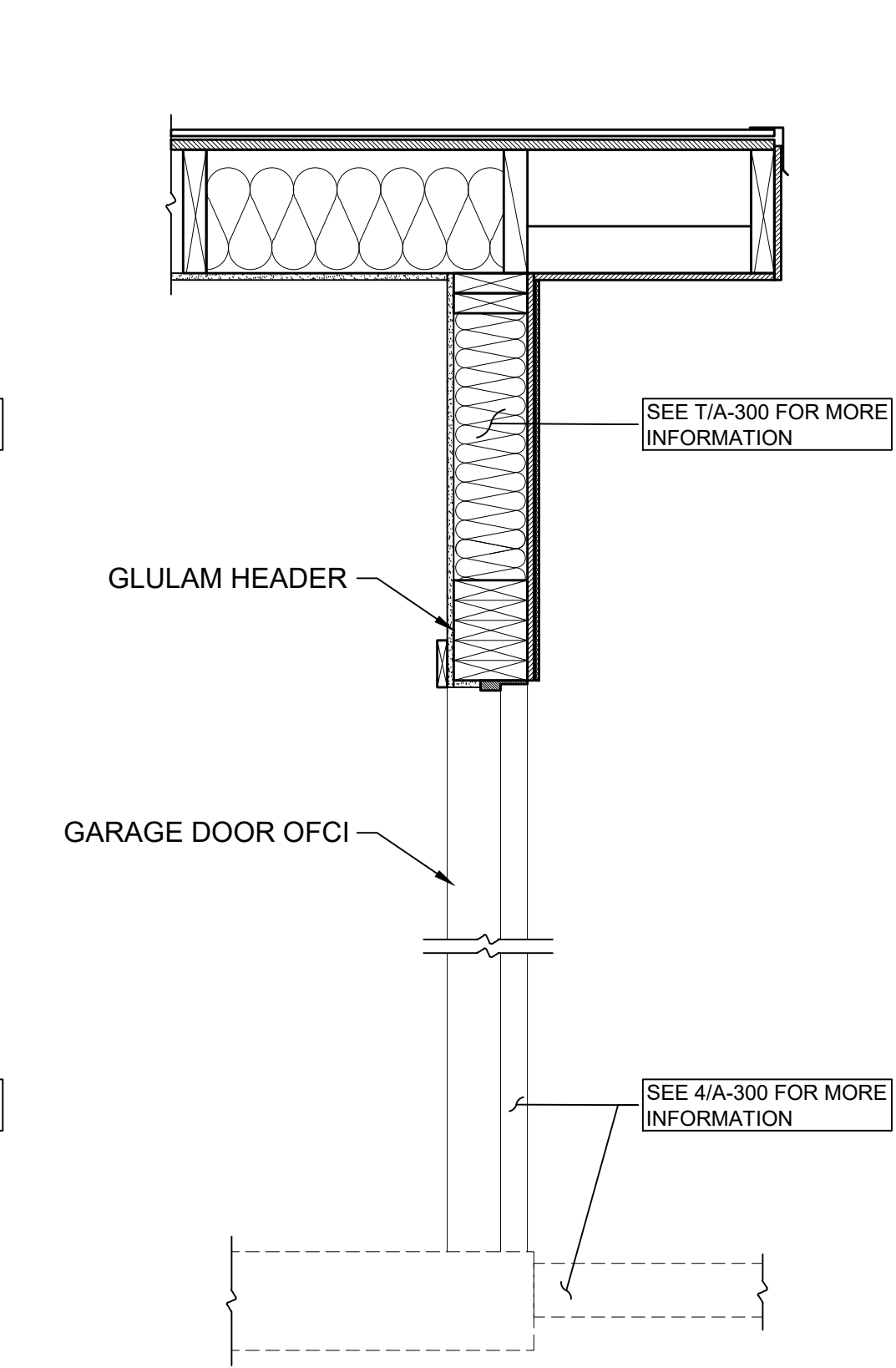
7 FRONT WALL SECTION WITH GLIDER WINDOW
A-300 SCALE: 1" = 1'-0"



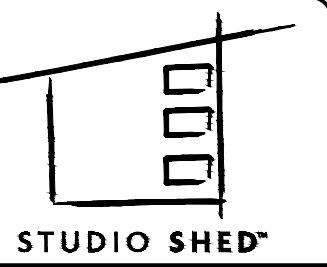
8 REAR WALL SECTION WITH WINDOW
A-300 SCALE: 1" = 1'-0"



9 TYP WALL SECTION WITH DOOR
A-300 SCALE: 1" = 1'-0"



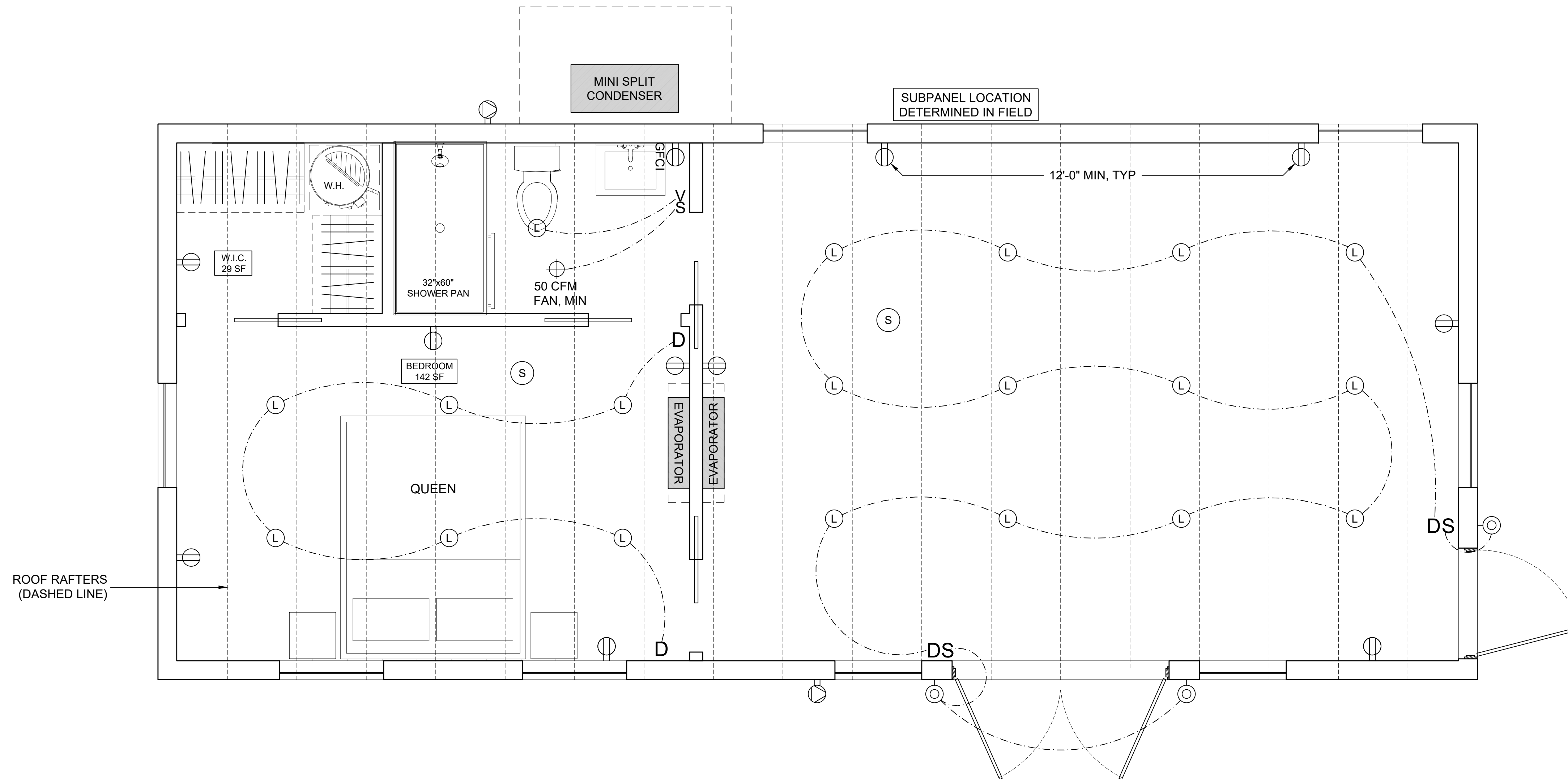
10 GARAGE DOOR
A-300 SCALE: 1" = 1'-0"



1500 CHERRY STREET
LOUISVILLE, CO 80027
Ph: 888.900.3933
WWW.STUDIOSHED.COM

ISSUE DATE

REVISIONS



ELECTRICAL GENERAL NOTES:

1. WIRING INSTALLED BY (1) 1/2" Ø HOLE THROUGH STUDS AT 12" O.C. FROM B.O. SILL PLATE
2. JUNCTION BOX INSTALLED AT 4'-6" FROM B.O. PANEL TO B.O. BOX
3. OUTLETS INSTALLED 12" A.F.F. TO BOTTOM OF BOX
4. EXTERIOR LIGHTS INSTALLED 6'-4" AFF TO MOUNTING HOLE
5. DUPLEX OUTLETS ARE CONNECTED TO 20 AMP GFCI CIRCUIT BREAKER.
6. MINIMUM OF 20' OF #4GA. COPPER WIRE MUST BE INSTALLED IN THE LOWEST PORTION OF THE FOOTING. SUFFICIENT WIRE MUST PROTRUDE TO REACH THE ELECTRICAL SERVICE PANEL FOR USE AS A GROUND SOURCE.

1 ELECTRICAL PLAN
E-100B SCALE: 1/2" = 1'-0"

L	HIGH EFFICACY INTERIOR LIGHT FIXTURE	D	DIMMER SWITCH	S	SWITCH	⊕	EXTERIOR RATED GFCI DUPLEX OUTLET	⊕	TAMPER RESISTANT DUPLEX OUTLET	⊙	HIGH EFFICACY EXTERIOR LIGHT FIXTURE	V	VACANCY SWITCH	⊙	SMOKE ALARM	⊙	CARBON MONOXIDE ALARM
																R314	R315

PRIMARY DWELLING, GUEST WING, WORKSHOP / GARAGE

TYPE OF CONSTRUCTION
KIM FOWLER
NAME
RIVER BLUFF DR N
DUNN, NC 28334
ADDRESS

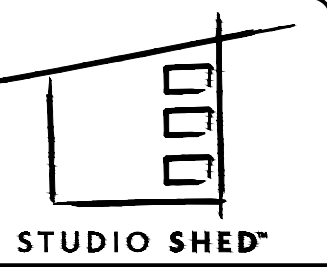
PREPARER OF PLANS:

ANDREW LANGDON
ALANGDON@STUDIOSHED.COM
(303) 945-6973

10/09/24

24x36
SHEET SIZE

E-100B
ELECTRICAL PLAN



1500 CHERRY STREET
LOUISVILLE, CO 80027
Ph: 888.900.3933
WWW.STUDIOSHED.COM

ISSUE DATE

REVISIONS

PRIMARY DWELLING, GUEST WING, WORKSHOP / GARAGE

KIM FOWLER
NAME

RIVER BLUFF DR N
DUNN, NC 28334
ADDRESS

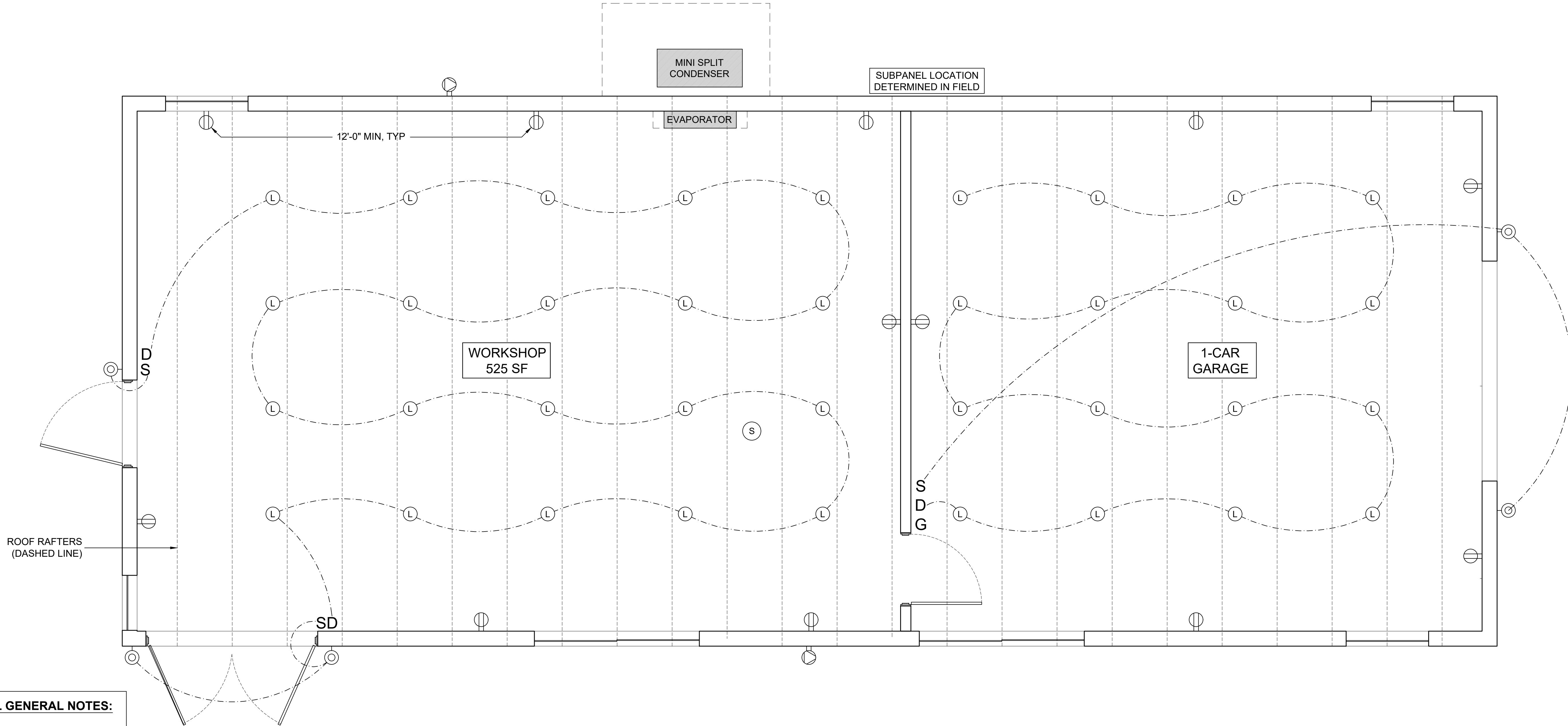
PREPARER OF PLANS:

ANDREW LANGDON
ALANGDON@STUDIOSHED.COM
(303) 945-6973

Andrew Langdon
10/09/24

24x36
SHEET SIZE

E-100C
ELECTRICAL PLAN



ELECTRICAL GENERAL NOTES:

1. WIRING INSTALLED BY (1) 1/2" Ø HOLE THROUGH STUDS AT 12" O.C. FROM B.O. SILL PLATE
2. JUNCTION BOX INSTALLED AT 4'-6" FROM B.O. PANEL TO B.O. BOX
3. OUTLETS INSTALLED 12" A.F.F. TO BOTTOM OF BOX
4. EXTERIOR LIGHTS INSTALLED 6'-4" AFF TO MOUNTING HOLE
5. DUPLEX OUTLETS ARE CONNECTED TO 20 AMP GFCI CIRCUIT BREAKER.
6. MINIMUM OF 20' OF #4GA. COPPER WIRE MUST BE INSTALLED IN THE LOWEST PORTION OF THE FOOTING. SUFFICIENT WIRE MUST PROTRUDE TO REACH THE ELECTRICAL SERVICE PANEL FOR USE AS A GROUND SOURCE.

1 ELECTRICAL PLAN
E-100C SCALE: 1/2" = 1'-0"

<p>(L) HIGH EFFICACY INTERIOR LIGHT FIXTURE</p>	<p>(D) DIMMER SWITCH</p>	<p>(S) SWITCH</p>	<p>(G) EXTERIOR RATED GFCI DUPLEX OUTLET</p>	<p>(D) TAMPER RESISTANT DUPLEX OUTLET</p>	<p>(E) HIGH EFFICACY EXTERIOR LIGHT FIXTURE</p>
---	--------------------------	-------------------	--	---	---

PROJECT DESCRIPTION:

3 STRUCTURES, NEW CONSTRUCTION (STAND ALONE STRUCTURES)

1 A - PRIMARY DWELLING	1,000 SQ FT (20'-0" x 50'-0")
1 B - GUEST WING	608 SQ FT (16'-0" x 38'-0")
2 C - GARAGE / WORKSHOP	1,000 SQ FT (20'-0" x 50'-0")

STRUCTURAL GENERAL NOTES:

DESIGN LOADS: 2018 NCSBC/NCSRC WITH HARNETT COUNTY LOCAL AMENDMENTS ASCE 7-16

RISK CATEGORY
II STANDARD

ROOFS:

ROOF DEAD LOAD	15 PSF
ROOF LIVE LOAD	20 PSF
ROOF SNOW LOAD	20 PSF

WALLS:

EXT WALL DEAD LOAD	10 PSF
--------------------	---------------

WIND:

ULTIMATE DESIGN WIND SPEED, VULT, (3-SECOND GUST) = 120 MPH
INTERNAL PRESSURE COEFFICIENT = 0.18 (ENCLOSED)
WIND EXPOSURE = C
COMPONENTS AND CLADDING DESIGN WIND PRESSURES (ULTIMATE)

WALLS:

WITHIN 3 FEET OF CORNERS	+31.4 PSF	-42.0 PSF
AWAY FROM CORNERS	+31.4 PSF	-34.0 PSF

ROOFS:

ZONE 1	+16.0 PSF	-34.0 PSF
ZONE 2	+16.0 PSF	-39.4 PSF
ZONE 2'	+16.0 PSF	-47.3 PSF
ZONE 3	+16.0 PSF	-52.7 PSF
ZONE 3'	+16.0 PSF	-73.9 PSF

OVERHANGS:

ZONE 2	-55.9 PSF
ZONE 2'	-63.8 PSF
ZONE 3	-69.2 PSF
ZONE 3'	-90.4 PSF

PRESSURES MAY BE REDUCED FOR EFFECTIVE WIND AREAS LARGER THAN 10 SQUARE FEET, BUT NOT BELOW 16 PSF.

SEISMIC:

SPECTRAL RESPONSE ACCELERATION PARAMETERS

SHORT PERIOD	SS 0.134G	SDS 0.143G
ONE SECOND	S1 0.065G	SD1 0.104G

SOILS SITE CLASS **D - DEFAULT**

SEISMIC IMPORTANCE FACTOR **1.0**

SEISMIC DESIGN CATEGORY **A**

BASIC SEISMIC-FORCE-RESISTING SYSTEM(S)
LIGHT-FRAMED WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE

DESIGN BASE SHEAR(S)

	0.775 KIPS (ULTIMATE) A
	0.516 KIPS (ULTIMATE) B
	0.750 KIPS (ULTIMATE) C

SEISMIC RESPONSE COEFFICIENT(S), CS **0.022**

RESPONSE MODIFICATION COEFFICIENT(S), R **6.5**

ANALYSIS PROCEDURE **EQUIVALENT LATERAL FORCE**

FOUNDATION DESIGN:

FOUNDATIONS ARE DESIGNED WITHOUT AN ENGINEER'S SOIL INVESTIGATION. THE DESIGN CRITERIA IS ASSUMED FOR PURPOSES OF FOUNDATION DESIGN.

SLAB ON GRADE

DESIGN OF SLAB ON GRADE IS BASED ON MAXIMUM ALLOWABLE BEARING PRESSURE 1500 PSF BEARING ON THE NATURAL UNDISTURBED SOIL OR COMPACTED STRUCTURAL FILL.

STRUCTURAL GENERAL NOTES:

REINFORCED CONCRETE:

DESIGN IS BASED ON ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" AND ACI 332 "REQUIREMENTS FOR RESIDENTIAL CONCRETE CONSTRUCTION." CONCRETE WORK SHALL CONFORM TO ACI 301 "STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE."

STRUCTURAL CONCRETE SHALL HAVE THE FOLLOWING PROPERTIES:

MAX	SLUMP,	ENTRAINED	INCHES	AIR, PERCENT	CEMENT	ADMIXTURES,
F'C, PSI	W/C	MAXIMUM				
INTENDED USE	28 DAY	RATIO	AGGREGATE	(+/- 1")	(+/- 1.5%)	TYPE
SLAB ON GRADE	3000	0.45	3/4" STONE	4	3	V

DETAILING, FABRICATION, AND PLACEMENT OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ACI 315 "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT."

REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60, EXCEPT TIES OR BARS SHOWN TO BE FIELD-BENT, WHICH SHALL BE GRADE 60.

BARS TO BE WELDED SHALL CONFORM TO ASTM 706.

AT CORNERS AND INTERSECTIONS, MAKE HORIZONTAL BARS CONTINUOUS OR PROVIDE MATCHING CORNER BARS FOR EACH LAYER OF REINFORCEMENT.

REINFORCED CONCRETE CONTINUED:

UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS, LAP BARS 50 DIAMETERS (MINIMUM) EXCEPT AS NOTED ON THE DRAWINGS, CONCRETE PROTECTION FOR REINFORCEMENT IN CAST-IN-PLACE CONCRETE SHALL BE AS FOLLOWS:

CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH:	3"
EXPOSED TO EARTH OR WEATHER:	
#5 BAR, W31 OR D31 WIRE, AND SMALLER	1-1/2"
NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:	
SLABS, WALLS, JOISTS: #11 BARS AND SMALLER	3/4"
BEAMS AND COLUMNS:	
PRIMARY REINFORCEMENT	1-1/2"
STIRRUPS, TIES, SPIRALS	1-1/2"

STRUCTURAL WOOD & TIMBER:

DESIGN IS BASED ON ANSI/AF&PA NDS "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION WITH SUPPLEMENT: DESIGN VALUES FOR WOOD CONSTRUCTION" AND ANSI/AF&PA SDPWS "SPECIAL DESIGN PROVISIONS FOR WIND AND SEISMIC"

2X FRAMING SHALL BE S4S SPF#2 OR BETTER UNLESS NOTED OTHERWISE.

ALL LUMBER SHALL BE 19% MAXIMUM MOISTURE CONTENT, UNLESS NOTED OTHERWISE.

STUDS SHALL BE SPF NO. 2 AND BETTER OR STUD GRADE.

TOP AND BOTTOM PLATES SHALL BE SPF NO. 2 AND BETTER OR STUD GRADE.

FASTENERS FOR USE WITH TREATED WOOD SHALL COMPLY WITH IRC SECTION R317.3

WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE-TREATED DOUGLAS FIR-LARCH OR SOUTHERN YELLOW PINE.

PRESERVATIVE TREATED WOOD SHALL BE TREATED IN ACCORDANCE WITH AWWA U1 AND AEP A M4.

CONVENTIONAL LIGHT FRAMING SHALL COMPLY WITH IRC SECTIONS R502, R602, AND R802.

MINIMUM NAILING SHALL BE PROVIDED AS SPECIFIED IN IBC TABLE 2304.10.1 "FASTENER SCHEDULE FOR STRUCTURAL MEMBERS."

METAL FRAMING ANCHORS SHOWN OR REQUIRED, SHALL BE SIMPSON STRONG-TIE OR EQUAL CODE APPROVED CONNECTORS AND INSTALLED WITH THE NUMBER AND TYPE OF NAILS RECOMMENDED BY THE MANUFACTURER TO DEVELOP THE MAXIMUM RATED CAPACITY.

NOTE THAT HEAVY-DUTY HANGERS AND SKEWED HANGERS MIGHT NOT BE STOCKED LOCALLY AND REQUIRE SPECIAL ORDER FROM THE FACTORY.

LEAD HOLES FOR LAG SCREWS SHALL BE 40%-70% OF THE SHANK DIAMETER AT THE THREADED SECTION AND EQUAL TO THE SHANK DIAMETER AT THE UNTHREADED SECTION PER NDS SECTION 12.1.4.2(b).

CONNECTOR BOLTS AND LAG SCREWS SHALL CONFORM TO ANSI/ASME B18.2.1 AND ASTM SAE J429 GRADE 1.

NAILS AND SPIKES SHALL CONFORM TO ASTM F1667.

WOOD SCREWS SHALL CONFORM TO ANSI/ASME B18.6.1

WOOD FRAMING NOTES:

ALL BEAMS SHALL BE BRACED AGAINST ROTATION AT POINTS OF BEARING.

PROVIDE CONTINUOUS WALL STUDS EACH SIDE OF OPENINGS EQUAL TO ONE-HALF OR GREATER THE NUMBER OF STUDS INTERRUPTED BY OPENING UNLESS NOTED OTHERWISE.

ALL WALL STUDS SHALL BE CONTINUOUS FROM FLOOR TO FLOOR OR FROM FLOOR TO ROOF.

PROVIDE SOLID BLOCKING OR RIM JOISTS AT ALL JOIST SUPPORTS AND JOIST ENDS.

SOLE PLATE AT ALL PERIMETER WALLS AND AT DESIGNATED SHEAR WALLS SHALL BE NAILED WITH (3) 10D BOX NAILS (COATED OR DEFORMED SHANK) AT 16".

ALL ROOF RAFTERS, JOISTS, BEAMS SHALL BE ANCHORED TO SUPPORTS WITH METAL FRAMING ANCHORS.

WOOD SHEATHING:

PLYWOOD AND ORIENTED STRAND BOARD (OSB) FLOOR AND ROOF SHEATHING SHALL BE APA RATED WITH STAMP INCLUDING APA TRADEMARK AND PANEL SPAN RATING.

MINIMUM ROOF SHEATHING: 19/32" OSB OR CDX PLYWOOD, APA 32/16, NAILED.

MINIMUM WALL SHEATHING: 7/16" OSB OR CDX PLYWOOD, APA 24/16, BLOCKED AND NAILED.

NAIL SHEATHING WITH MINIMUM 8D COMMON OR 10D BOX AT 6" AT PANEL EDGES, AND 12" AT INTERMEDIATE FRAMING EXCEPT AS NOTED. BLOCK AND NAIL ALL EDGES BETWEEN STUDS. MINIMUM (3) 8D NAILS PER STUD TO PLATES. NAIL ALL PLATES USING EDGE NAIL SPACING INDICATED.

SHEATHE ALL EXTERIOR WALLS. SHEATHE INTERIOR WALLS AS DESIGNATED ON THE DRAWINGS.

SHEATHING SHALL BE CONTINUOUS FROM BOTTOM PLATE TO TOP PLATE. CUT IN "L" AND "T" SHAPES AROUND OPENINGS.

STRUCTURAL GENERAL NOTES:

PLANT FABRICATED / PRE-ENGINEERED WOOD FRAMING:

MEMBERS NOTED AS LSL (LAMINATED STRAND LUMBER) ON PLAN SHALL BE PLANT-FABRICATED AND HAVE THE FOLLOWING MINIMUM ALLOWABLE DESIGN VALUES:
Fb=1700 PSI Fv=400 PSI Fcpar=1400 PSI Fcperp=680 PSI E=1300 KSI

MEMBERS NOTED AS LVL STUDS (LAMINATED VENEER LUMBER) ON PLAN SHALL BE 1-1/2" WIDE x DEPTH INDICATED, PLANT-FABRICATED, AND HAVE THE FOLLOWING MINIMUM ALLOWABLE DESIGN VALUES:
Fb=2400 PSI Fv=285 PSI Fcpar=3000 PSI E=1700 KSI

MEMBERS NOTED AS LVL RAFTERS (LAMINATED VENEER LUMBER) ON PLAN SHALL BE 1-3/4" WIDE x DEPTH INDICATED, PLANT-FABRICATED, AND HAVE THE FOLLOWING MINIMUM ALLOWABLE DESIGN VALUES:
Fb=2600 PSI Fv=285 PSI Fcpar=2460 PSI Fcperp=750 PSI E=1900 KSI

STRUCTURAL ERECTION AND BRACING REQUIREMENTS:

THE STRUCTURAL DRAWINGS ILLUSTRATE AND DESCRIBE THE COMPLETED STRUCTURE WITH ELEMENTS IN THEIR FINAL POSITIONS, PROPERLY SUPPORTED, CONNECTED, AND/OR BRACED.

THE STRUCTURAL DRAWINGS ILLUSTRATE TYPICAL AND REPRESENTATIVE DETAILS TO ASSIST THE GENERAL CONTRACTOR. DETAILS SHOWN APPLY AT ALL SIMILAR CONDITIONS UNLESS OTHERWISE INDICATED. ALTHOUGH DUE DILIGENCE HAS BEEN APPLIED TO MAKE THE DRAWINGS AS COMPLETE AS POSSIBLE, NOT EVERY DETAIL IS ILLUSTRATED AND NOT EVERY EXCEPTIONAL CONDITION IS ADDRESSED.

ALL PROPRIETARY CONNECTIONS AND ELEMENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS' RECOMMENDATIONS.

ALL WORK SHALL BE ACCOMPLISHED IN A WORKMANLIKE MANNER AND IN ACCORDANCE WITH THE APPLICABLE CODES AND LOCAL ORDINANCES.

THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL WORK, INCLUDING LAYOUT AND DIMENSION VERIFICATION, MATERIALS COORDINATION, SHOP DRAWING REVIEW, AND THE WORK OF SUBCONTRACTORS. ANY DISCREPANCIES OR OMISSIONS DISCOVERED IN THE COURSE OF THE WORK SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR RESOLUTION. CONTINUATION OF WORK WITHOUT NOTIFICATION OF DISCREPANCIES RELIEVES THE ARCHITECT AND STRUCTURAL ENGINEER FROM ALL CONSEQUENCES.

TEMPORARY BRACING SHALL REMAIN IN PLACE UNTIL ALL FLOORS, WALLS, ROOFS AND ANY OTHER SUPPORTING ELEMENTS ARE IN PLACE.

THESE PLANS HAVE BEEN ENGINEERED FOR CONSTRUCTION AT ONE SPECIFIC BUILDING SITE. BUILDER ASSUMES ALL RESPONSIBILITY FOR USE OF THESE PLANS AT ANY OTHER BUILDING SITE. PLANS SHALL NOT BE USED FOR CONSTRUCTION AT ANY OTHER BUILDING SITE WITHOUT SPECIFIC REVIEW BY THE ENGINEER LICENSED IN THAT JURISDICTION.

SPECIAL INSPECTIONS:

PER THE IBC:

1705.3 – SPECIAL INSPECTION SHALL BE REQUIRED WHEN THE SPECIFIED CONCRETE COMPRESSIVE STRENGTH PER THE APPROVED PLANS IS GREATER THAN 2500 PSI AND WHEN THE FOOTINGS OR TURNDOWNS SUPPORTING WALLS ARE NOT CONTINUOUS.

TABLE 1705.3 – PERIODIC SPECIAL INSPECTION SHALL BE REQUIRED FOR ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS PER THE PRODUCT'S ICC EVALUATION REPORT AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.

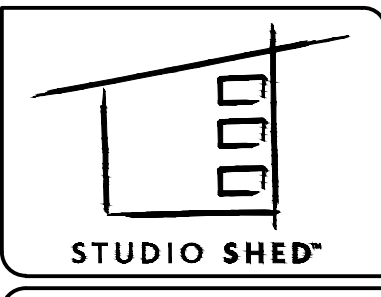
1705.4 – NO SPECIAL INSPECTION WILL BE REQUIRED BECAUSE WE DO NOT SHOW MASONRY CONSTRUCTION.

1705.5 – WE ARE USING UNBLOCKED ROOF DIAPHRAGMS PER THE SDPWS. THIS IS NOT CONSIDERED HIGH LOAD AND DOES NOT REQUIRE SPECIAL INSPECTION.

1705.12.2 – PERIODIC SPECIAL INSPECTIONS ARE NOT REQUIRED FOR SHEAR WALLS WITH 6 INCH ON CENTER PANEL EDGE NAILING. WHEN THE SHORT PERIOD ACCELERATION, S_{ps} , IS GREATER THAN 0.5 OR THE BUILDING HEIGHT IS GREATER THAN 35 FEET, PERIODIC INSPECTIONS ARE REQUIRED FOR SHEAR WALLS WITH 4 INCH ON CENTER EDGE NAILING OR LESS.

NAIL SIZES							
PENNYWEIGHT	TYPE	DIAMETER	LENGTH	PENNYWEIGHT	TYPE	DIAMETER	LENGTH
8d	COMMON	0.131"	2 1/2"	12d	COMMON	0.148"	3 1/4"
8d	BOX	0.113"	2 1/2"	12d	BOX	0.128"	3 1/4"
8d	SINKER	0.113"	2 3/8"	12d	SINKER	0.135"	3 1/8"
8d	GUN	0.113"	2 3/8"	12d	GUN	0.131"	3 1/4"
10d	COMMON	0.148"	3"	16d	COMMON	0.162"	3 1/2"
10d	BOX	0.128"	3"	16d	BOX	0.135"	3 1/2"
10d	SINKER	0.120"	2 7/8"	16d	SINKER	0.148"	3 1/4"
10d	GUN	0.131"	3"				

ALL NAILS TO BE GUN NAILS, UNLESS NOTED OTHERWISE



1500 CHERRY STREET
LOUISVILLE, CO 80027

Ph: 888.900.3933
WWW.STUDIOSHED.COM

ISSUE DATE

REVISIONS

PRIMARY DWELLING, GUEST WING, WORKSHOP / GARAGE			
TYPE OF CONSTRUCTION	KIM FOWLER	RIVER BLUFF DR N	DUNN, NC 28834
NAME		ADDRESS	

PREPARER OF PLANS:

ANDREW LANGDON
ALANGDON@STUDIOSHED.COM
(303) 945-6973

10/09/24



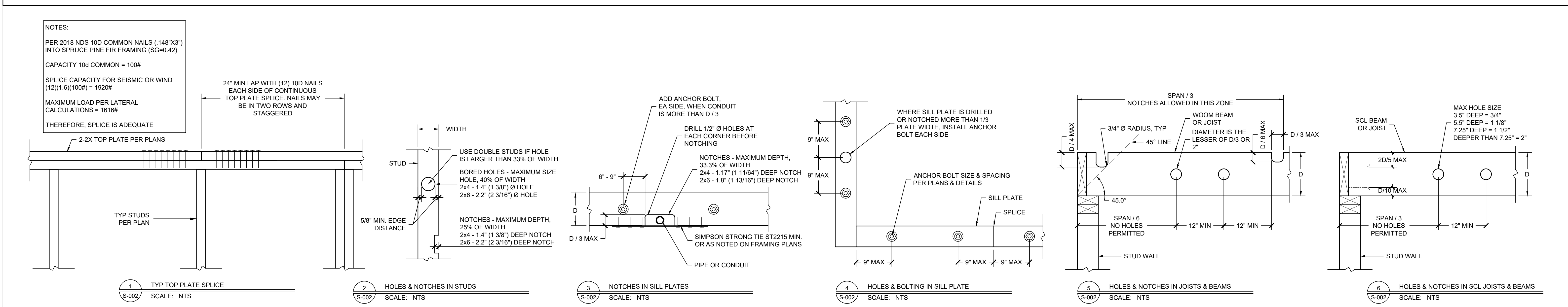
24x36
SHEET SIZE

S-001
STRUCTURAL GENERAL NOTES

FASTENING SCHEDULE 2018 NORTH CAROLINA STATE BUILDING CODE TABLE 2304.10.1

DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION	
ROOF									
1. BLOCKING BETWEEN CEILING JOISTS, RAFTERS OR TRUSSES TO TOP PLATE OR OTHER FRAMING BELOW	3-8d COMMON (2 1/2" x 0.131") 3-10d BOX (3" x 0.128") 3-3" x 0.131" NAILS 3-3" 14 GAGE STAPLES, 7/16" CROWN	EACH END, TOENAIL	11. CONTINUOUS HEADER TO STUD	4-8d COMMON (2 1/2" x 0.131") 4-10d BOX (3" x 0.128")	TOENAIL	27. BUILT-UP GIRDERS AND BEAMS, 2" LUMBER LAYERS (CONT.)	10d BOX (2 1/2" x 0.128") 3" x 0.131" NAILS 3" 14 GAGE STAPLES, 7/16" CROWN	24" O.C., FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES	
BLOCKING BETWEEN RAFTERS OR TRUSS NOT AT THE WALL TOP PLATE, TO RAFTER OR TRUSS	2-8d COMMON (2 1/2" x 0.131") 2-3" x 0.131" NAILS 2-3" 14 GAGE STAPLES	EACH END, TOENAIL	12. TOP PLATE TO TOP PLATE	16d COMMON (3 1/2" x 0.162")	16" O.C. FACE NAIL		AND: 2-20d COMMON (4" x 0.192") 3-10d BOX (3" x 0.128") 3-3" x 0.131" NAILS 3-3" 14 GAGE STAPLES, 7/16" CROWN	ENDS AND AT EACH SPLICE, FACE NAIL	
FLAT BLOCKING TO TRUSS AND WEB FILLER	2-16d COMMON (3 1/2" x 0.162") 3-3" x 0.131" NAILS @ 6" O.C. 3-3" 14 GAGE STAPLES @ 6" O.C.	FACE NAIL	13. TOP PLATE TO TOP PLATE, AT END JOINTS	8-16d COMMON (3 1/2" x 0.162") 12-10d BOX (3" x 0.128") 12-3" x 0.131" NAILS 12-3" 14 GAGE STAPLES, 7/16" CROWN	EACH SIDE OF END JOINT, FACE NAIL (MINIMUM 24" LAP SPLICE LENGTH EACH SIDE OF END JOINT)	28. LEDGER STRIP SUPPORTING JOISTS OR RAFTERS	3-16d COMMON (3 1/2" x 0.162") 4-10d BOX (3" x 0.128") 4-3" x 0.131" NAILS 4-3" 14 GAGE STAPLES, 7/16" CROWN	EACH JOIST OR RAFTER, FACE NAIL	
2. CEILING JOIST TO TOP PLATE	3-8d COMMON (2 1/2" x 0.131") 3-10d BOX (3" x 0.128") 3-3" x 0.131" NAILS 3-3" 14 GAGE STAPLES, 7/16" CROWN	EACH JOIST, TOENAIL	14. BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST OR BLOCKING (NOT AT BRACED WALL PANELS)	16d COMMON (3 1/2" x 0.162")	16" O.C. FACE NAIL		29. JOIST TO BAND JOIST OR RIM JOIST	3-16d COMMON (3 1/2" x 0.162") 4-10d BOX (3" x 0.128") 4-3" x 0.131" NAILS 4-3" 14 GAGE STAPLES, 7/16" CROWN	END NAIL
3. CEILING JOIST NOT ATTACHED TO PARALLEL RAFTER, LAPS OVER PARTITIONS (NO THRUST) (SEE SECTION 2308.7.3.1, TABLE 2308.7.3.1)	3-16d COMMON (3 1/2" x 0.162") 4-10d BOX (3" x 0.128") 4-3" x 0.131" NAILS 4-3" 14 GAGE STAPLES, 7/16" CROWN	FACE NAIL	15. BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST OR BLOCKING (AT BRACED WALL PANELS)	2-16d COMMON (3 1/2" x 0.162") 3-16d BOX (3 1/2" x 0.135") 4-3" x 0.131" NAILS 4-3" 14 GAGE STAPLES, 7/16" CROWN	16" O.C. FACE NAIL	30. BRIDGING OR BLOCKING JOIST, RAFTER OR TRUSS		2-8d COMMON (2 1/2" x 0.131") 2-10d BOX (3" x 0.128") 2-3" x 0.131" NAILS 2-3" 14 GAGE STAPLES, 7/16" CROWN	EACH END, TOENAIL
4. CEILING JOIST ATTACHED TO PARALLEL RAFTER (HEEL JOINT) (SEE SECTION 2308.7.3.1, TABLE 2308.7.3.1)	PER TABLE 2308.7.3.1	FACE NAIL	16. STUD TO TOP OR BOTTOM PLATE	4-8d COMMON (2 1/2" x 0.131") 4-10d BOX (3" x 0.128") 4-3" x 0.131" NAILS 4-3" 14 GAGE STAPLES, 7/16" CROWN	TOENAIL		WOOD STRUCTURAL PANELS, SUBFLOOR, ROOF AND INTERIOR WALL SHEATHING TO FRAMING AND PARTICLEBOARD WALL SHEATHING TO FRAMING*		
5. COLLAR TIE TO RAFTER	3-10d COMMON (3" x 0.148") 4-10d BOX (3" x 0.128") 4-3" x 0.131" NAILS 4-3" 14 GAGE STAPLES, 7/16" CROWN	FACE NAIL	17. TOP OR BOTTOM PLATE TO STUD	2-16d COMMON (3 1/2" x 0.162") 3-10d BOX (3" x 0.128") 3-3" x 0.131" NAILS 3-3" 14 GAGE STAPLES, 7/16" CROWN	END NAIL	31. 3/8" - 1/2"	6d COMMON OR DEFORMED (2" x 0.113") (SUBFLOOR AND WALL)	6"	12"
6. RAFTER OR ROOF TRUSS TO TOP PLATE (SEE SECTION 2308.7.5, TABLE 2308.7.3.1)	3-10d COMMON (3" x 0.148") 3-16d BOX (3 1/2" x 0.135") 4-10d BOX (3" x 0.128") 4-3" x 0.131" NAILS 4-3" 14 GAGE STAPLES, 7/16" CROWN	TOENAIL	18. TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS	2-16d COMMON (3 1/2" x 0.162") 3-10d BOX (3" x 0.128") 3-3" x 0.131" NAILS 3-3" 14 GAGE STAPLES, 7/16" CROWN	FACE NAIL		32. 19/32" - 3/4"	8d BOX OR DEFORMED (2 1/2" x 0.113") (ROOF)	6"
7. ROOF RAFTERS TO RIDGE VALLEY OR HIP RAFTERS; OR ROOF RAFTER TO 2-INCH RIDGE BEAM	2-16d COMMON (3 1/2" x 0.162") 3-10d BOX (3" x 0.128") 4-3" x 0.131" NAILS 4-3" 14 GAGE STAPLES, 7/16" CROWN	EACH END	19. 1" BRACE TO EACH STUD AND PLATE	2-8d COMMON (2 1/2" x 0.131") 2-10d BOX (3" x 0.128") 2-3" x 0.131" NAILS 2-3" 14 GAGE STAPLES, 7/16" CROWN	FACE NAIL	33. 7/8" - 1 1/4"		2 3/8" x 0.113" NAIL (SUBFLOOR AND WALL)	6"
8. STUD TO STUD (NOT AT BRACED WALL PANELS)	16d COMMON (3 1/2" x 0.162") 10d BOX (3" x 0.128") 3" x 0.131" NAILS 3-3" 14 GAGE STAPLES, 7/16" CROWN	24" O.C. FACE NAIL	20. 1" x 6" SHEATHING TO EACH BEARING	2-16d COMMON (3 1/2" x 0.162") 3-10d BOX (3" x 0.128") 3-3" x 0.131" NAILS 3-3" 14 GAGE STAPLES, 7/16" CROWN	END NAIL		34. 1/2" FIBERBOARD SHEATHING*	1 3/4" 16 GAGE STAPLE, 7/16" CROWN (SUBFLOOR AND WALL)	4"
9. STUD TO STUD AND ABUTTING STUDS AT INTERSECTING WALL CORNERS (AT BRACED WALL PANELS)	16d COMMON (3 1/2" x 0.162") 16d BOX (3 1/2" x 0.135") 3" x 0.131" NAILS 3-3" 14 GAGE STAPLES, 7/16" CROWN	16" O.C. FACE NAIL	21. 1" x 8" AND WIDER SHEATHING TO EACH BEARING	2-8d COMMON (2 1/2" x 0.131") 2-10d BOX (3" x 0.128") 2-3" x 0.131" NAILS 2-3" 14 GAGE STAPLES, 7/16" CROWN	FACE NAIL	35. 25/32" FIBERBOARD SHEATHING*		2 3/8" x 0.113" NAIL (ROOF)	4"
10. BUILT-UP HEADER (2" TO 2" HEADER)	16d COMMON (3 1/2" x 0.162") 16d BOX (3 1/2" x 0.135")	16" O.C. EACH EDGE, FACE NAIL 12" O.C. EACH EDGE, FACE NAIL	FLOOR				36. 3/4" AND LESS	1 3/4" 16 GAGE STAPLE, 7/16" CROWN (ROOF)	3"
			22. JOIST TO SILL, TOP PLATE, OR GIRDER	3-8d COMMON (2 1/2" x 0.131") 3-10d BOX (3" x 0.128") 3-3" x 0.131" NAILS 3-3" 14 GAGE STAPLES, 7/16" CROWN	TOENAIL	OTHER EXTERIOR WALL SHEATHING			
			23. RIM JOIST, BAND JOIST, OR BLOCKING TO TOP PLATE, SILL, OR OTHER FRAMING BELOW	8d COMMON (2 1/2" x 0.131") 10d BOX (3" x 0.128") 3" x 0.131" NAILS 3" 14 GAGE STAPLES, 7/16" CROWN	6" O.C., TOENAIL	37. 7/8" - 1"	1 1/2" GALVANIZED ROOFING NAIL (7/16" HEAD DIAMETER)	3"	6"
			24. 1" x 6" SUBFLOOR OR LESS TO EACH JOIST	2-8d COMMON (2 1/2" x 0.131") 2-10d BOX (3" x 0.128")	FACE NAIL		38. 1 1/8" - 1 1/4"	1 3/4" 16 GAGE STAPLE WITH 7/16" CROWN OR 1" CROWN	6"
			25. 2" SUBFLOOR TO JOIST OR GIRDER	2-16d COMMON (3 1/2" x 0.162")	FACE NAIL	WOOD STRUCTURAL PANELS, COMBINATION SUBFLOOR UNDERLAYMENT TO FRAMING			
			26. 2" PLANKS (PLANK AND BEAM-FLOOR & ROOF)	2-16d COMMON (3 1/2" x 0.162")	EACH BEARING, FACE NAIL	39. 1/2" AND LESS	8d COMMON (2 1/2" x 0.131") 6d DEFORMED (2" x 0.113")	6"	12"
			27. BUILT-UP GIRDERS AND BEAMS, 2" LUMBER LAYERS	20d COMMON (4" x 0.192")	32" O.C., FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES		40. 5/8"	8d COMMON (2 1/2" x 0.131") 8d DEFORMED (2 1/2" x 0.113") 10d COMMON (3" x 0.148") 8d DEFORMED (2 1/2" x 0.113")	6"
						PANEL SIDING TO FRAMING			
						41. 1/4"	6d CORROSION-RESISTANT SIDING (1 5/8" x 0.106") 6d CORROSION-RESISTANT CASING (2" x 0.099")	6"	12"
							42. 3/8"	8d CORROSION-RESISTANT SIDING (2 3/8" x 0.128") 8d CORROSION-RESISTANT CASING (2 1/2" x 0.113")	6"

- a. NAILS SPACED AT 6 INCHES AT INTERMEDIATE SUPPORTS WHERE SPANS ARE 48 INCHES OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLEBOARD DIAPHRAGMS AND SHEAR WALLS, REFER TO SECTION 2305. NAILS FOR SHEATHING ARE PERMITTED TO BE COMMON, BOX, OR CASING.
- b. SPACING SHALL BE 6 INCHES ON CENTER ON THE EDGES AND 12 INCHES ON CENTER AT INTERMEDIATE SUPPORTS FOR NONSTRUCTURAL APPLICATIONS. PANEL SUPPORTS AT 16 INCHES. (20 INCHES IF STRENGTH AXIS IN THE LONG DIRECTION OF THE PANEL, UNLESS OTHERWISE MARKED).
- c. WHERE A RAFTER IS FASTENED TO AN ADJACENT PARALLEL CEILING JOIST IN ACCORDANCE WITH THIS SCHEDULE AND THE CEILING JOIST IS FASTENED TO THE TOP PLATE IN ACCORDANCE WITH THIS SCHEDULE, THE NUMBER OF TOENAILS IN THE RAFTER SHALL BE PERMITTED TO BE REDUCED BY ONE NAIL.



STUDIO SHED

1500 CHERRY STREET
 LOUISVILLE, CO 80027
 Ph: 888.900.3933
 WWW.STUDIOSHED.COM

ISSUE DATE: _____

REVISIONS:

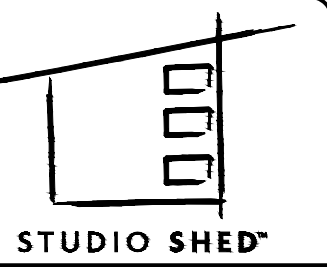
PRIMARY DWELLING, GUEST WING, WORKSHOP / GARAGE	KIM FOWLER	RIVER BLUFF DR N DUNN, NC 28634
TYPE OF CONSTRUCTION	NAME	ADDRESS

PREPARER OF PLANS:
ANDREW LANGDON
 ALANGDON@STUDIOSHED.COM
 (303) 945-6973

10/09/24

24x36
 SHEET SIZE

S-002
 STRUCTURAL GENERAL NOTES



1500 CHERRY STREET
LOUISVILLE, CO 80027
Ph: 888.900.3933
WWW.STUDIOSHED.COM

ISSUE DATE

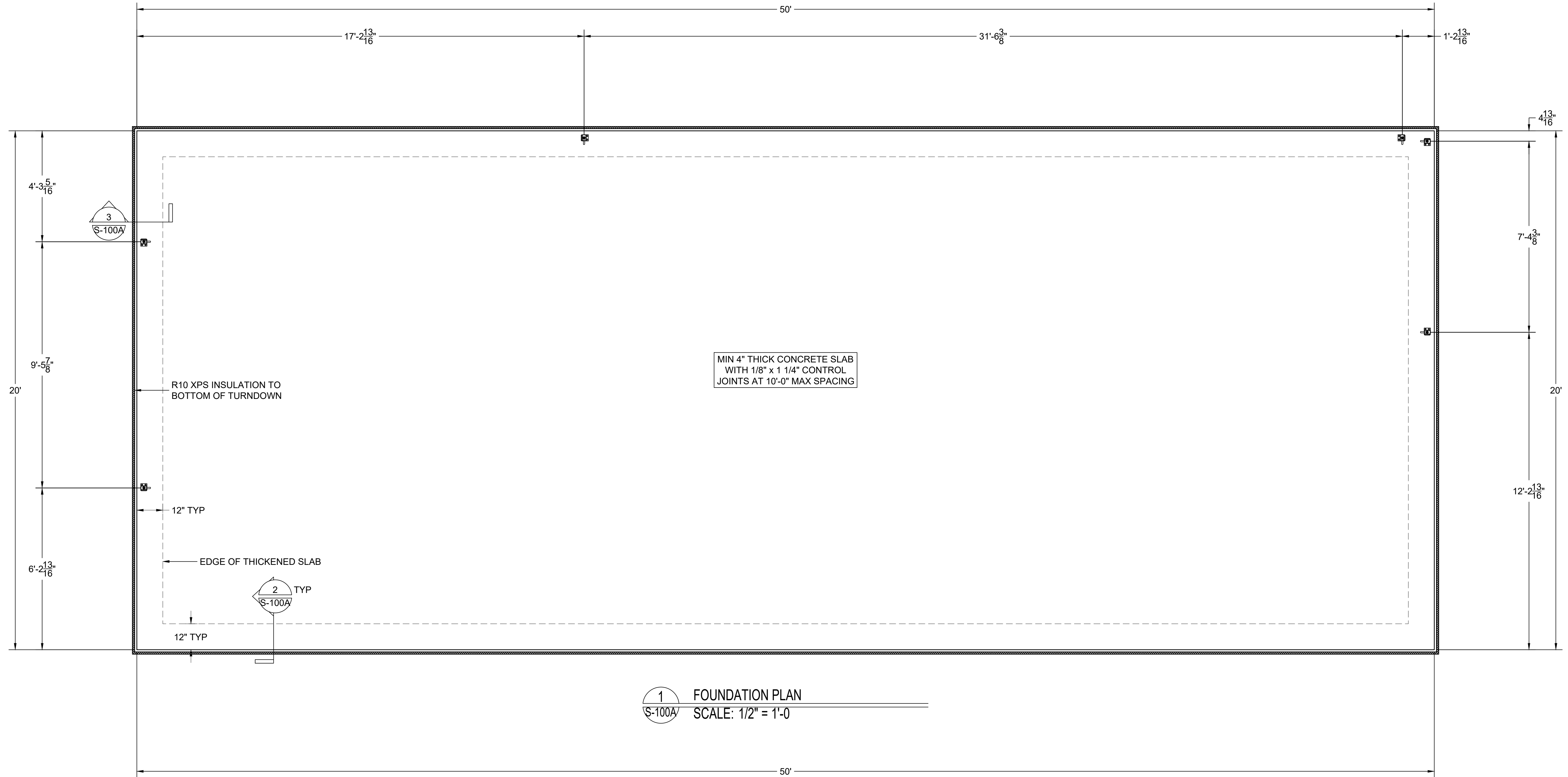
REVISIONS

PRIMARY DWELLING, GUEST WING, WORKSHOP / GARAGE
TYPE OF CONSTRUCTION
NAME: KIM FOWLER
ADDRESS: RIVER BLUFF DR N, DUNN, NC 28834

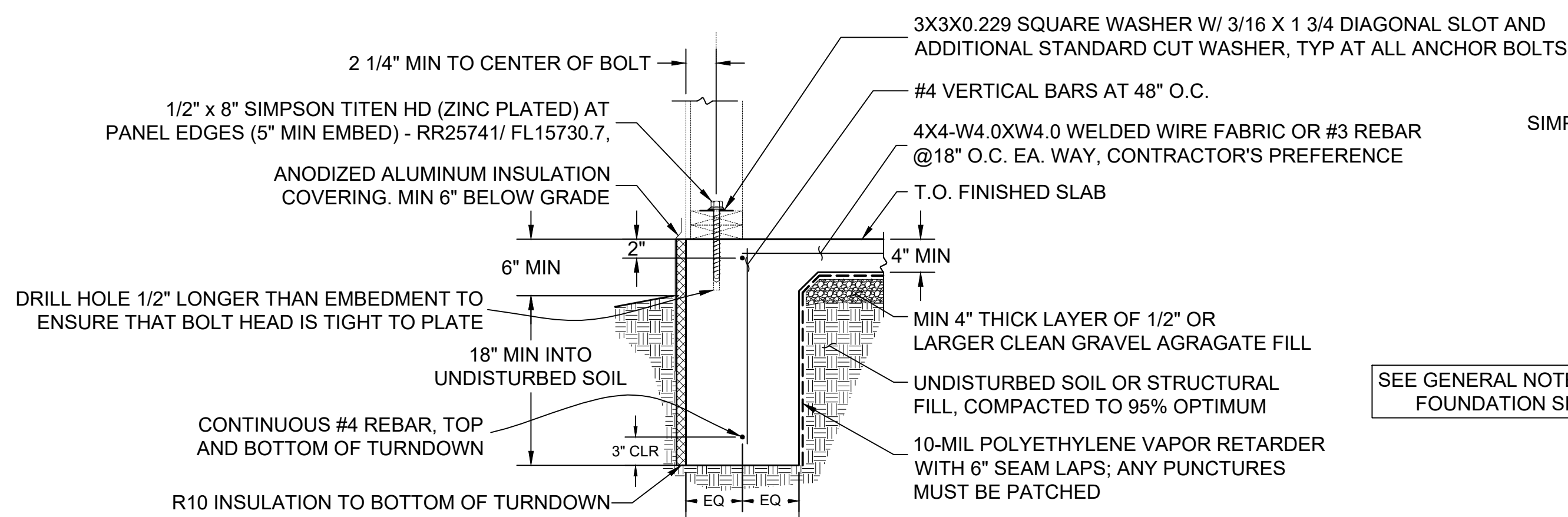
PREPARER OF PLANS:

ANDREW LANGDON
ALANGDON@STUDIOSHED.COM
(303) 945-6973

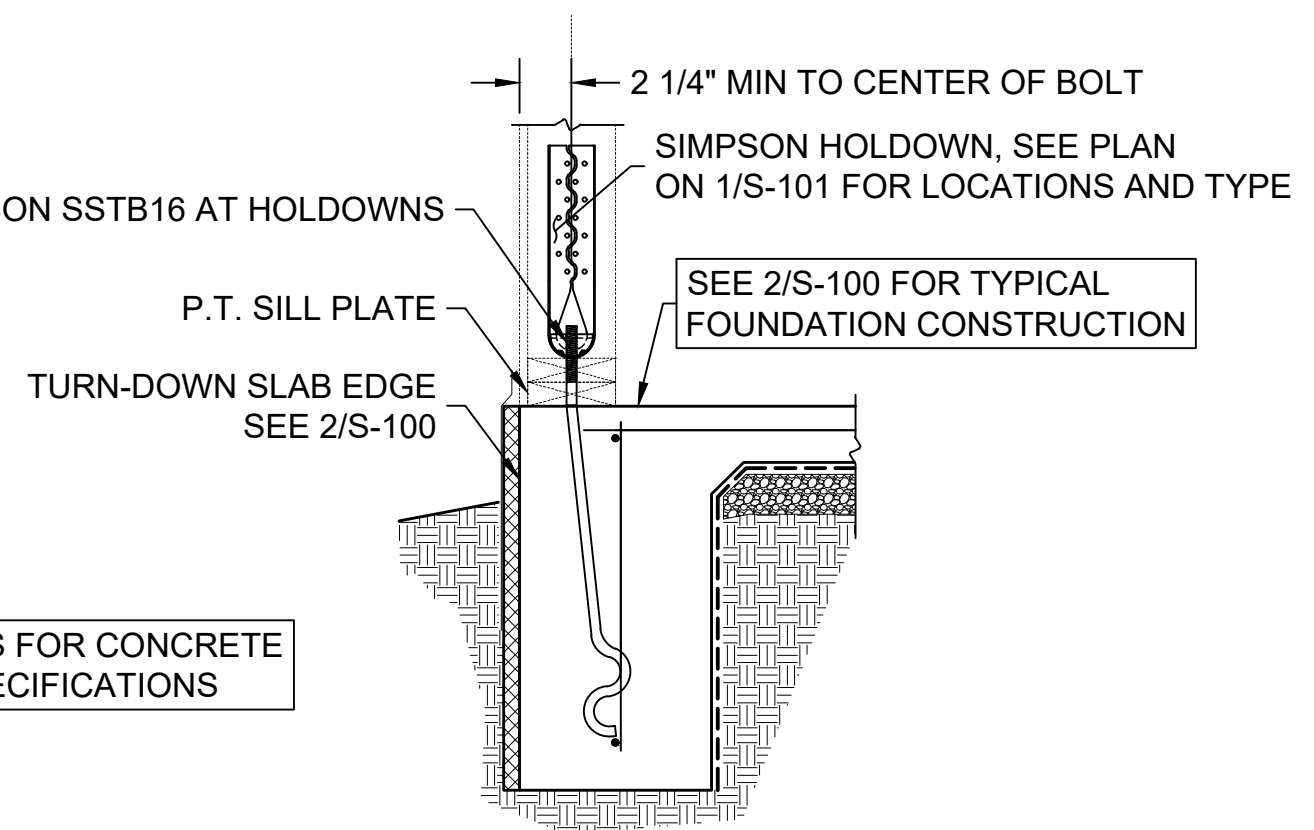
10/09/24



1 FOUNDATION PLAN
S-100A SCALE: 1/2" = 1'-0"



2 TYP TURNDOWN SECTION
S-100A SCALE: 1" = 1'-0"

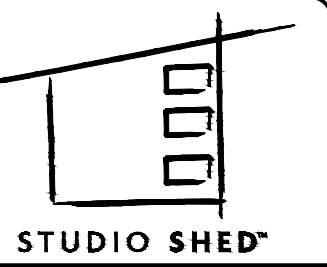


3 SECTION AT HOLDDOWN
S-100A SCALE: 1" = 1'-0"

- PLAN NOTES:**
- HOLD-DOWN CONNECTOR BOLTS THROUGH WOOD FRAMING REQUIRE APPROVED PLATE WASHERS; AND HOLD-DOWNS SHALL BE FINGER TIGHT AND 1/2 WRENCH TURN JUST PRIOR TO COVERING THE WALL FRAMING. CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE STEEL PLATE WASHERS ON THE POST ON THE OPPOSITE SIDE OF THE ANCHORAGE DEVICE. PLATE SIZE SHALL BE A MINIMUM OF 0.229 INCH BY 3 INCHES BY 3 INCHES. (2305.5)
 - ALL BOLT HOLES SHALL BE DRILLED 1/32" TO 1/16" OVERSIZED. (APPLIES ONLY TO HOLES DRILLED THROUGH WOOD MEMBERS.) (11.1.2.2, 2012 NDS)
 - PER R402.2.10 INSULATION LOCATED BELOW GRADE SHALL EXTEND THE REQUIRED DISTANCE BY ANY COMBINATION OF VERTICAL INSULATION OR INSULATION EXTENDING OUT FROM THE BUILDING. INSULATION EXTENDING AWAY FROM THE BUILDING SHALL BE PROTECTED BY PAVEMENT OR BY NO LESS THAN 10 INCHES OF SOIL.

24x36 SHEET SIZE

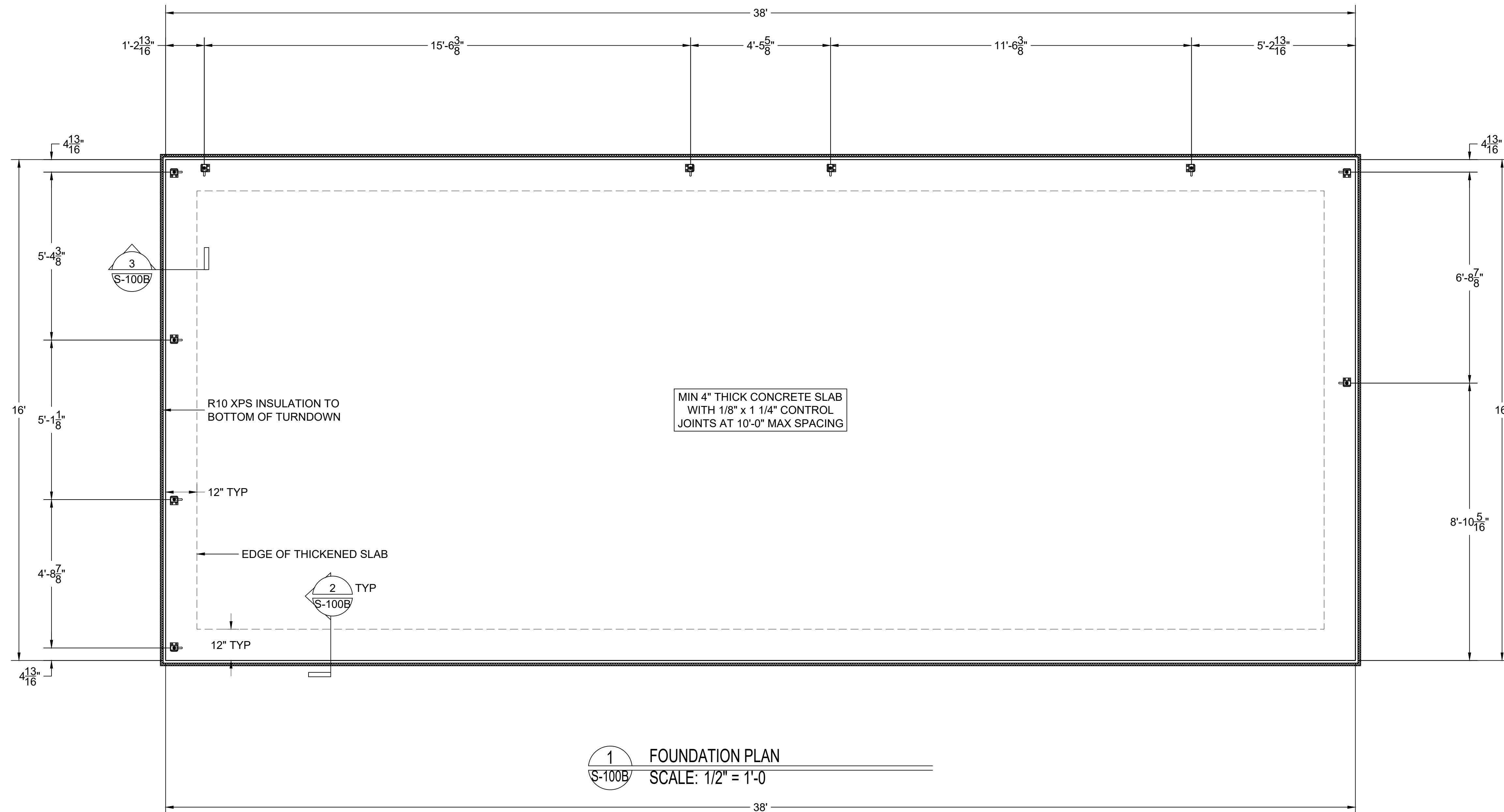
S-100A
FOUNDATION PLAN



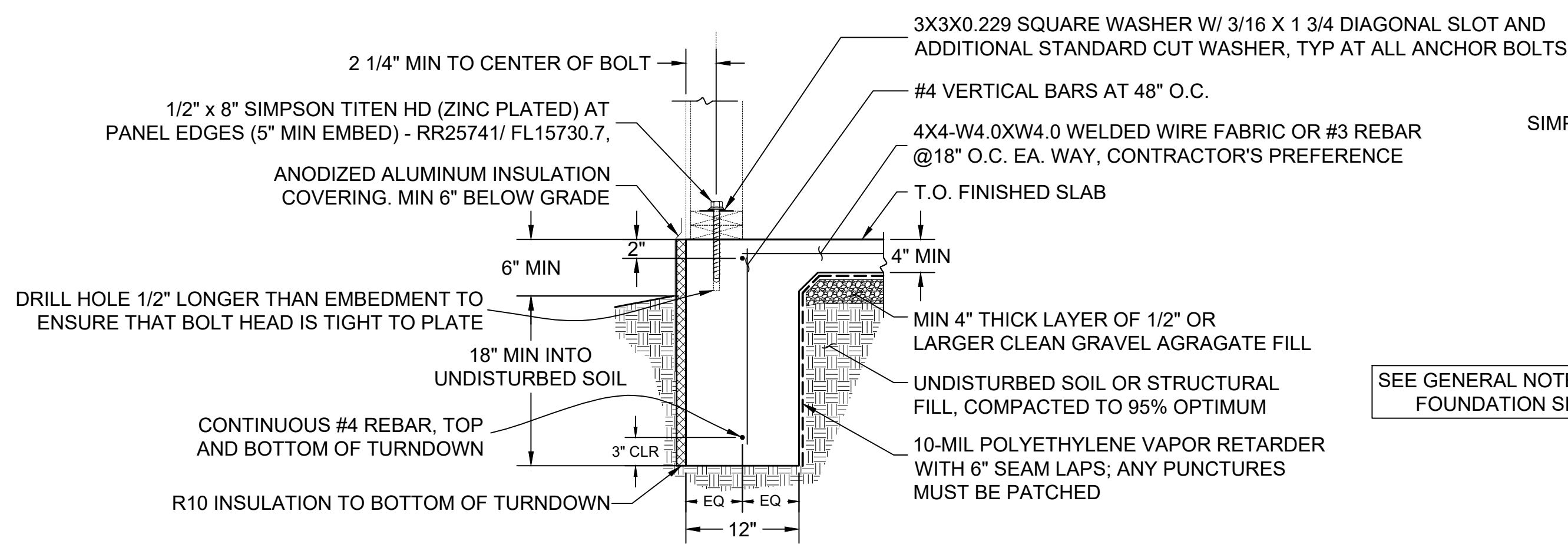
1500 CHERRY STREET
LOUISVILLE, CO 80027
Ph: 888.900.3933
WWW.STUDIOSHED.COM

ISSUE DATE

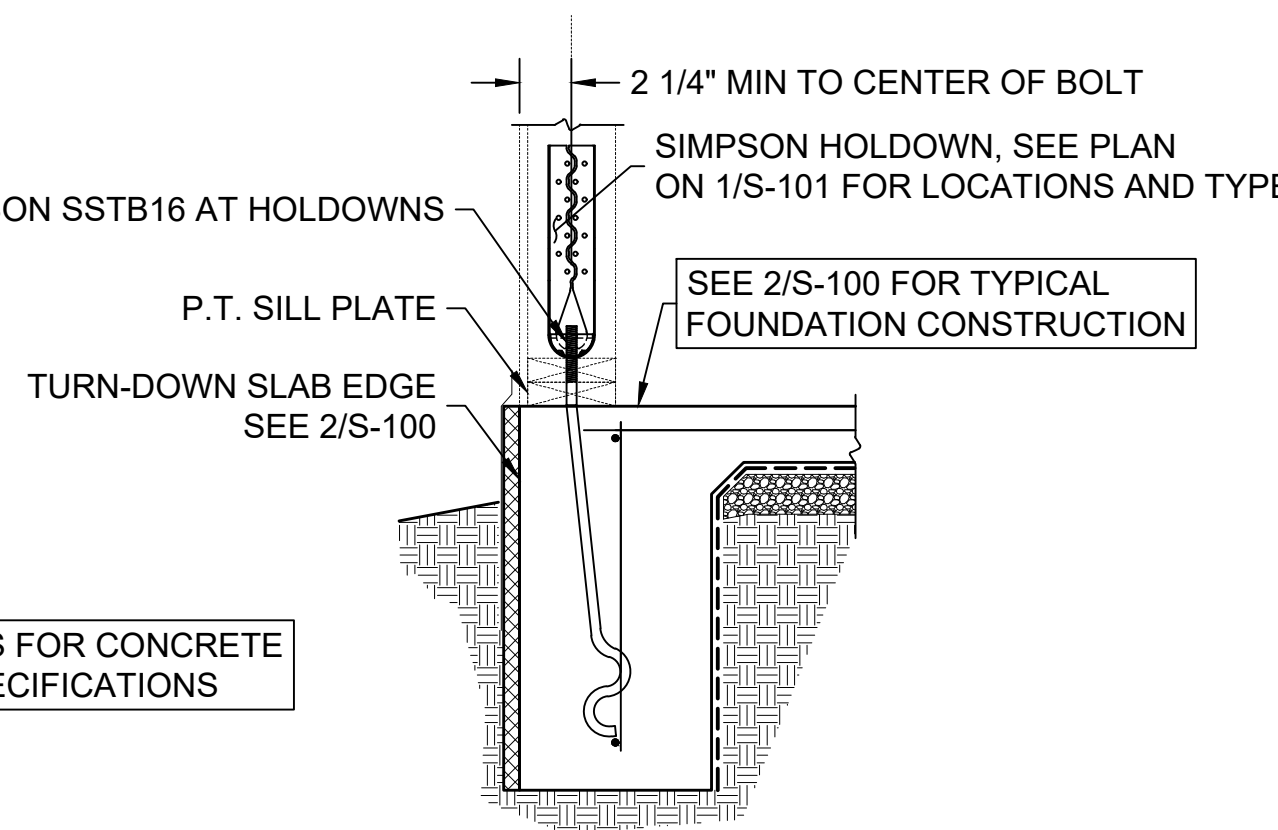
REVISIONS



1 FOUNDATION PLAN
SCALE: 1/2" = 1'-0"



2 TYP TURNDOWN SECTION
SCALE: 1" = 1'-0"



3 SECTION AT HOLDDOWN
SCALE: 1" = 1'-0"

PLAN NOTES:

- HOLD-DOWN CONNECTOR BOLTS THROUGH WOOD FRAMING REQUIRE APPROVED PLATE WASHERS; AND HOLD-DOWNS SHALL BE FINGER TIGHT AND 1/2 WRENCH TURN JUST PRIOR TO COVERING THE WALL FRAMING. CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE STEEL PLATE WASHERS ON THE POST ON THE OPPOSITE SIDE OF THE ANCHORAGE DEVICE. PLATE SIZE SHALL BE A MINIMUM OF 0.229 INCH BY 3 INCHES BY 3 INCHES. (2305.5)
- ALL BOLT HOLES SHALL BE DRILLED 1/32" TO 1/16" OVERSIZED. (APPLIES ONLY TO HOLES DRILLED THROUGH WOOD MEMBERS.) (11.1.2.2, 2012 NDS)
- PER R402.2.10 INSULATION LOCATED BELOW GRADE SHALL EXTEND THE REQUIRED DISTANCE BY ANY COMBINATION OF VERTICAL INSULATION OR INSULATION EXTENDING OUT FROM THE BUILDING. INSULATION EXTENDING AWAY FROM THE BUILDING SHALL BE PROTECTED BY PAVEMENT OR BY NO LESS THAN 10 INCHES OF SOIL.

PRIMARY DWELLING, GUEST WING, WORKSHOP / GARAGE
TYPE OF CONSTRUCTION
KIM FOWLER
NAME
RIVER BLUFF DR N
DUNN, NC 28834
ADDRESS

PREPARER OF PLANS:

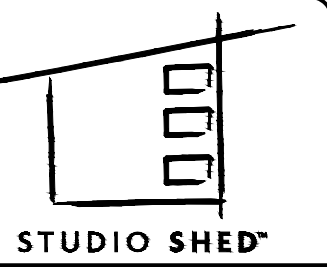
ANDREW LANGDON
ALANGDON@STUDIOSHED.COM
(303) 945-6973

10/09/24



24x36
SHEET SIZE

S-100B
FOUNDATION PLAN



1500 CHERRY STREET
LOUISVILLE, CO 80027
Ph: 888.900.3933
WWW.STUDIOSHED.COM

ISSUE DATE

REVISIONS

PRIMARY DWELLING, GUEST WING, WORKSHOP / GARAGE
TYPE OF CONSTRUCTION
NAME: KIM FOWLER
ADDRESS: RIVER BLUFF DR N, DUNN, NC 28634

PREPARER OF PLANS:

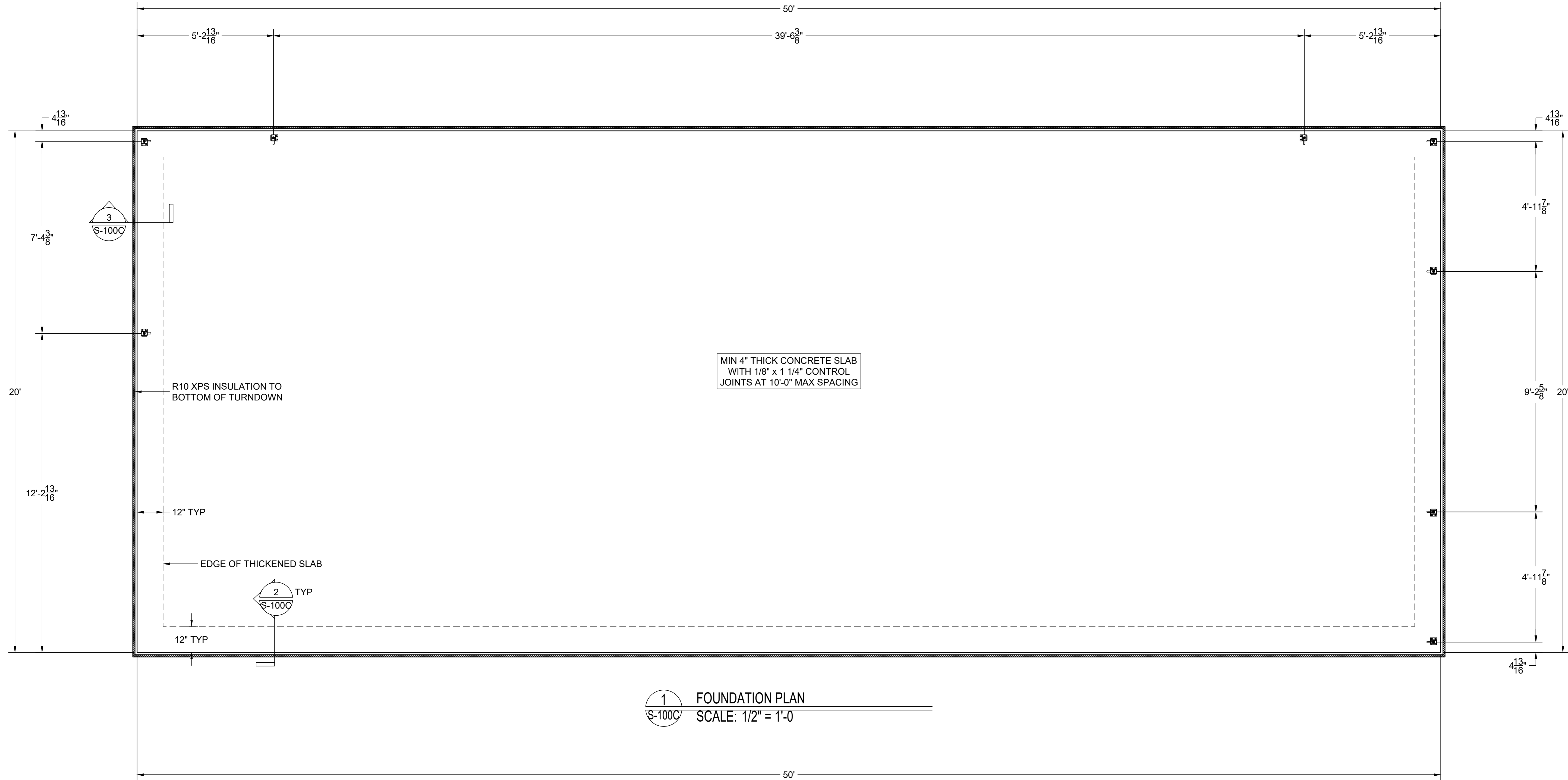
ANDREW LANGDON
ALANGDON@STUDIOSHED.COM
(303) 945-6973

10/09/24

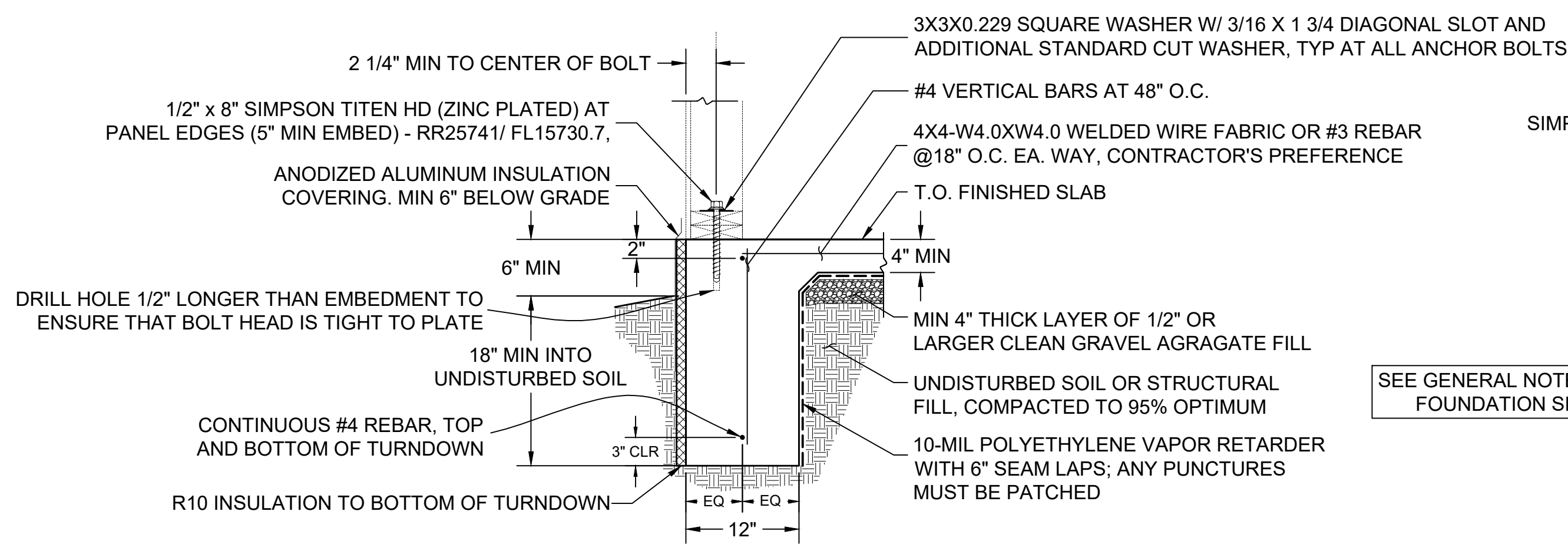


24x36
SHEET SIZE

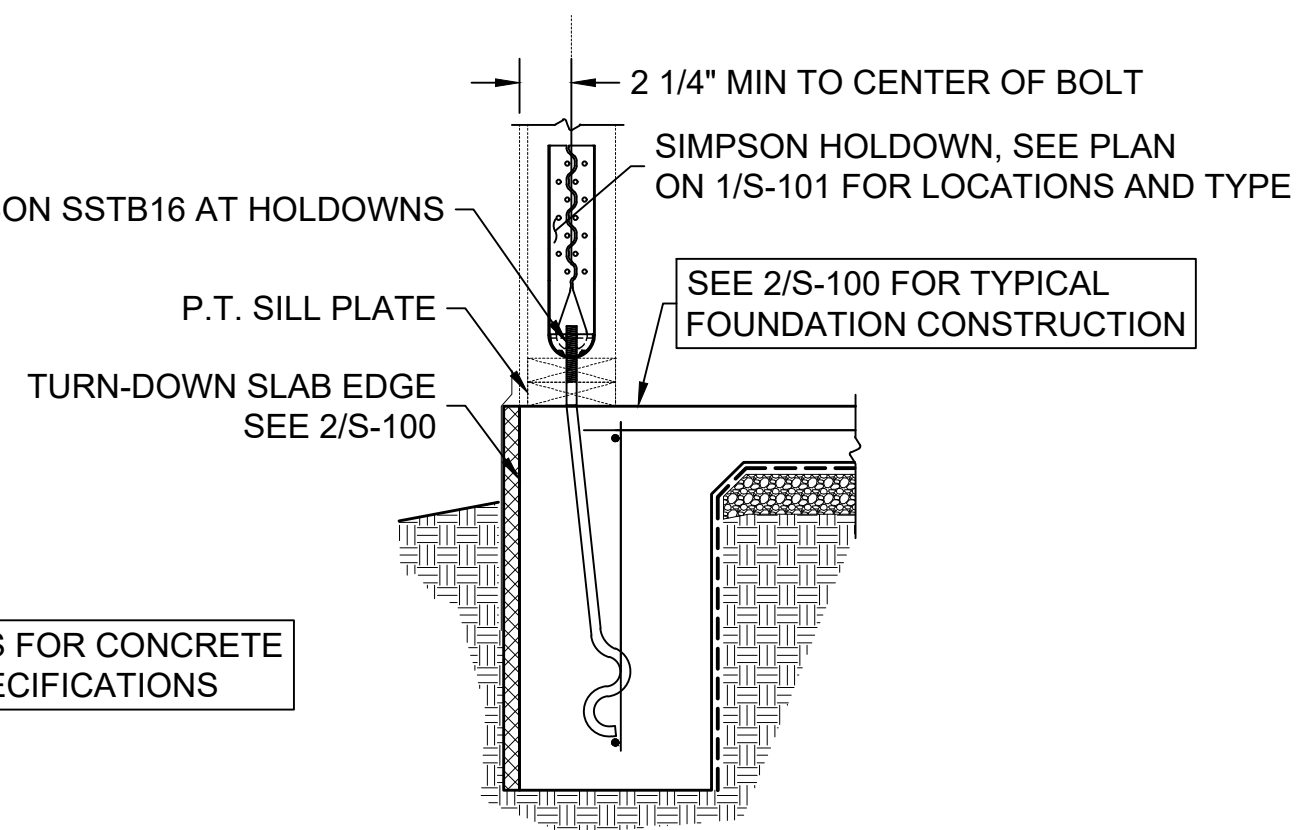
S-100C
FOUNDATION PLAN



1 FOUNDATION PLAN
SCALE: 1/2" = 1'-0"



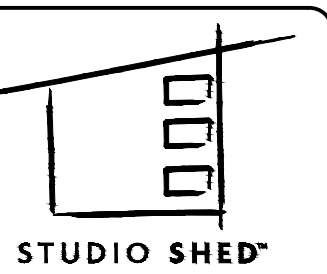
2 TYP TURNDOWN SECTION
SCALE: 1" = 1'-0"



3 SECTION AT HOLD-DOWN
SCALE: 1" = 1'-0"

- PLAN NOTES:**
- HOLD-DOWN CONNECTOR BOLTS THROUGH WOOD FRAMING REQUIRE APPROVED PLATE WASHERS; AND HOLD-DOWNS SHALL BE FINGER TIGHT AND 1/2 WRENCH TURN JUST PRIOR TO COVERING THE WALL FRAMING. CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE STEEL PLATE WASHERS ON THE POST ON THE OPPOSITE SIDE OF THE ANCHORAGE DEVICE. PLATE SIZE SHALL BE A MINIMUM OF 0.229 INCH BY 3 INCHES BY 3 INCHES. (2305.5)
 - ALL BOLT HOLES SHALL BE DRILLED 1/32" TO 1/16" OVERSIZED. (APPLIES ONLY TO HOLES DRILLED THROUGH WOOD MEMBERS.) (11.1.2.2, 2012 NDS)
 - PER R402.2.10 INSULATION LOCATED BELOW GRADE SHALL EXTEND THE REQUIRED DISTANCE BY ANY COMBINATION OF VERTICAL INSULATION OR INSULATION EXTENDING OUT FROM THE BUILDING. INSULATION EXTENDING AWAY FROM THE BUILDING SHALL BE PROTECTED BY PAVEMENT OR BY NO LESS THAN 10 INCHES OF SOIL.

SEE GENERAL NOTES FOR CONCRETE FOUNDATION SPECIFICATIONS



1500 CHERRY STREET
LOUISVILLE, CO 80027
Ph: 888.900.3933
WWW.STUDIOSHED.COM

ISSUE DATE

REVISIONS

PRIMARY DWELLING, GUEST WING, WORKSHOP / GARAGE
TYPE OF CONSTRUCTION
NAME: KIM FOWLER
ADDRESS: RIVER BLUFF DR N, DUNN, NC 28834

PREPARER OF PLANS:

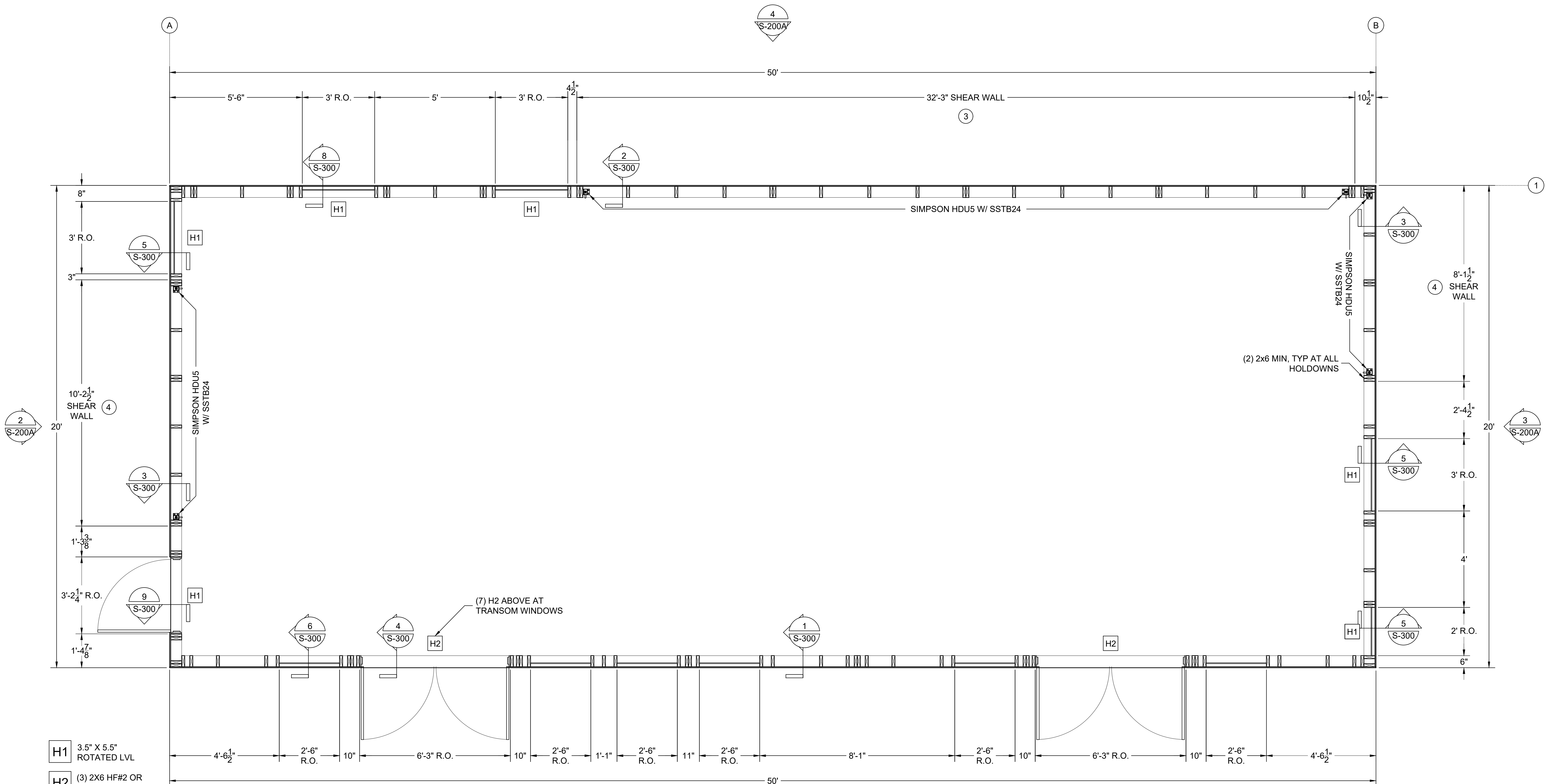
ANDREW LANGDON
ALANGDON@STUDIOSHED.COM
(303) 945-6973

10/09/24



24x36 SHEET SIZE

S-101A
FIRST FLOOR FRAMING PLAN



H1 3.5" X 5.5" ROTATED LVL
H2 (3) 2X6 HF#2 OR (3) 2X6 LVL

OPEN FRONT STRUCTURE:
THE PROPOSED STRUCTURE IS AN OPEN FRONT STRUCTURE. THE FRONT WALL HAS NO SHEAR LOAD PER THAT DEFINITION AND AS ALLOWED BY SDPWS SECTION 4.2.5.2.1. SEE SHEET L2 OF THE STRUCTURAL CALCULATIONS FOR THE NECESSARY ASPECT RATIO CRITERIA AND A COMPLETE ROTATIONAL ANALYSIS ON SHEET L4.

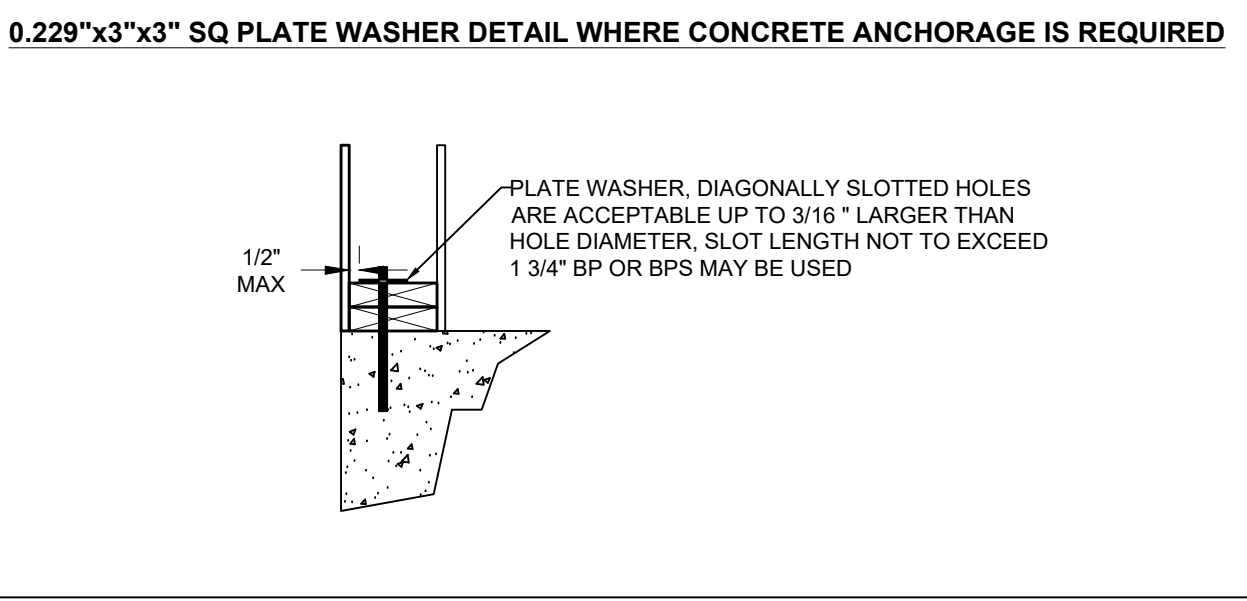
PLAN NOTES:
PROVIDE LEAD HOLE 40% - 70% OF THREADED SHANK DIAMETER AND FULL DIAMETER FOR SMOOTH SHANK PORTION.

1 FIRST FLOOR FRAMING PLAN
S-101A SCALE: 1/2" = 1'-0"

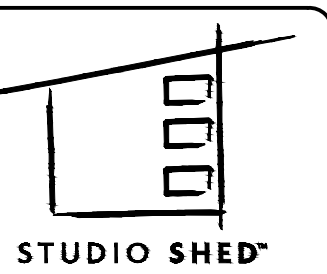
WALL SCHEDULE									
MARK	STUDS	SHEATHING	NAILS	PANEL EDGE NAIL SPACING	FIELD NAIL SPACING	BOTTOM PLATE ANCHORS ¹	WASHERS	SEISMIC CAPACITY	WIND CAPACITY
3	2x6 SPF#2 @ 24" O.C. MAX	7/16" APA (24/16) EXTERIOR	8d COMMON NAILS (0.131"x2 1/2")	6"	6"	1/2"x8" @ 32" O.C. WITH CONCRETE	SEE 2/S-100	220 PLF	308 PLF
4	2x6 SPF#2 @ 24" O.C. MAX	7/16" APA (24/16) EXTERIOR	8d COMMON NAILS (0.131"x2 1/2")	4"	6"	1/2"x8" @ 16" O.C. WITH CONCRETE	SEE 2/S-100	322 PLF	451 PLF
	2x6 SPF#2 @ 24" O.C. MAX	7/16" APA (24/16) EXTERIOR	8d COMMON NAILS (0.131"x2 1/2")	6"	12"	1/2"x8" @ 48" O.C. WITH CONCRETE	SEE 2/S-100	-	-

GENERAL NOTES:
 1. 3" SCREWS @ 12" O.C. INTO STUDS BETWEEN WALL PANEL JOINTS
 2. 3" SCREWS INTO STUDS BETWEEN SHEAR WALL PANEL JOINTS. MATCH SHEAR WALL PANEL EDGE NAIL SPACING.
 3. OSB (P.W.) (ZIP) SHEATHING MUST CONTINUE TO THE DOUBLE TOP PLATE
 4. ONE TRIM STUD AND ONE KING STUD TYPICAL AT ALL HEADERS, UNO
 5. SEE SHEET 1/S-101 FOR HOLDOWN TYPE AND LOCATION
 6. NUMBER OF STUDS AT EACH END OF SHEAR WALL IS CALLED OUT ON PLAN, UNO
 7. NO PENETRATIONS GREATER THAN 12"x12" IN SHEAR WALLS. BLOCK AND NAIL ALL EDGES. CUT SHEATHING INTO "L" AND "T" SHAPES AROUND OPENINGS IN NON-SHEAR WALLS.
 8. ALL EDGES IN SHEAR WALLS TO BE BLOCKED WITH 2x4 MEMBERS
 9. ALL WALLS HAVE (2) 2x4 TOP PLATES AND (2) 2x4 BOTTOM PLATE EQUAL TO WIDTH OF STUD SIZE, TYP UNO
 10. SEE DETAILS ON S-300 FOR ATTACHMENT OF DIAPHRAGMS TO SHEAR WALL PLATES, TYPICAL
 11. NAIL WALL SHEATHING WITH MINIMUM 8D COMMON, 10D GUN, OR 10D BOX AS INDICATED IN THE WALL SCHEDULE
 12. MINIMUM (3) 8D NAILS PER STUD
 13. SHEATH ALL EXTERIOR WALLS. SHEATH THE INTERIOR WALLS AS DESIGNATED ON THE DRAWINGS

TYPICAL FOR ALL SHEAR WALL NAILING:
 PER NCSCB/ AWC SDPWS. SHEATHING NAILS SHALL BE DRIVEN FLUSH BUT SHALL NOT FRACTURE THE SURFACE OF THE SHEATHING. SHEATHING PANEL NAILING NOT CONFORMING TO THIS SECTION WILL NOT BE ACCEPTABLE AND WILL HAVE TO BE REINSTALLED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE NAIL GUNS USED FOR FASTENING ARE SET AT THE PROPER DEPTH AND/OR AIR PRESSURE TO ACHIEVE THE REQUIRED PENETRATION



1. SILL PLATE ANCHORS (BOLTS OR SCREWS) SHALL BE SPACED ACCORDING TO THE WALL SCHEDULE ABOVE AND THERE SHALL NOT BE LESS THAN TWO ANCHORS PER PIECE OF SILL PLATE WITH ONE ANCHOR LOCATED NOT MORE THAN 12 INCHES OR LESS THAN 4 INCHES FROM EACH END OF EACH PIECE.



1500 CHERRY STREET
LOUISVILLE, CO 80027
Ph: 888.900.3933
WWW.STUDIOSHED.COM

ISSUE DATE

REVISIONS

PRIMARY DWELLING, GUEST WING, WORKSHOP / GARAGE
TYPE OF CONSTRUCTION
KIM FOWLER
NAME
RIVER BLUFF DR N
DUNN, NC 28834
ADDRESS

PREPARER OF PLANS:

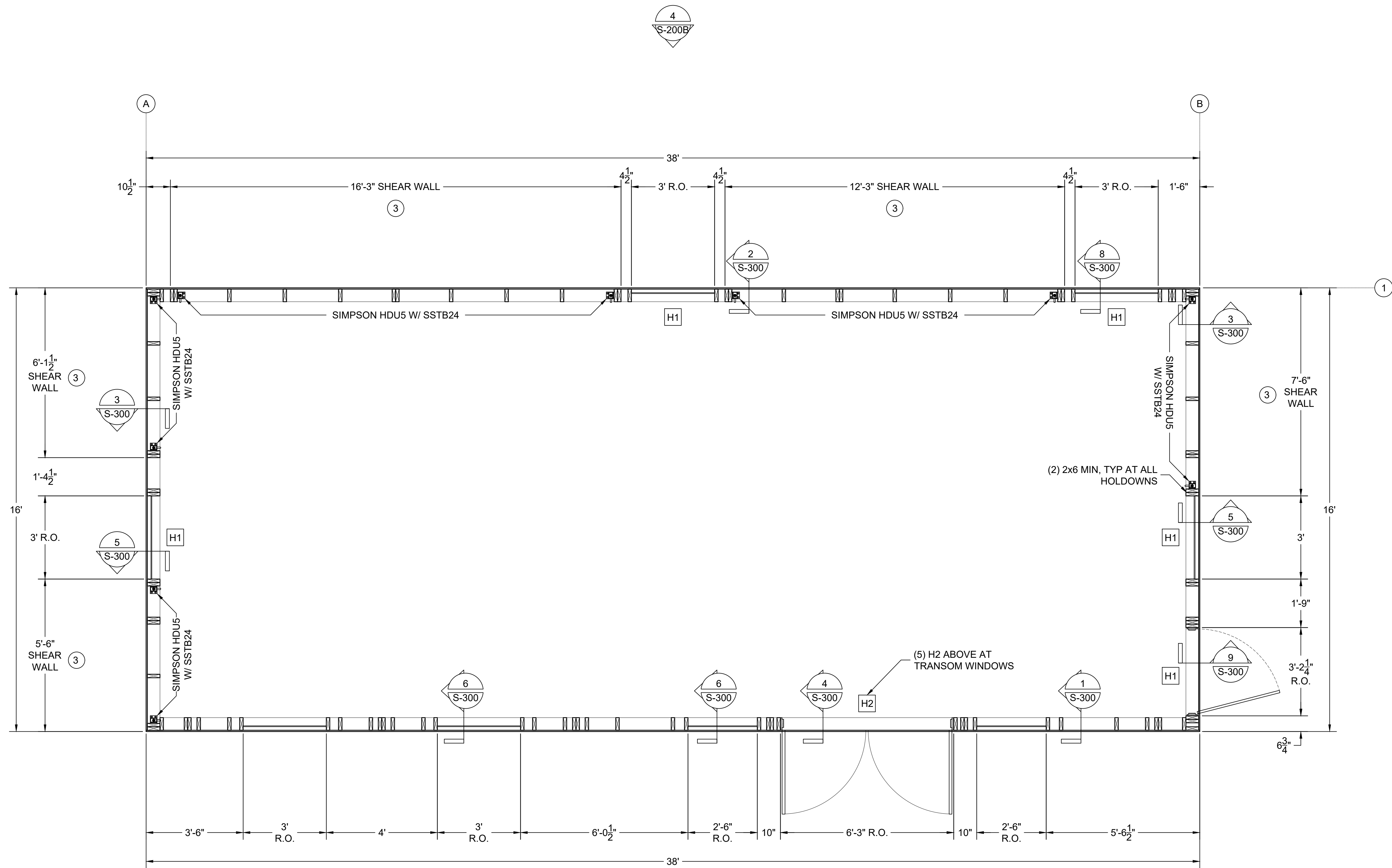
ANDREW LANGDON
ALANGDON@STUDIOSHED.COM
(303) 945-6973

10/09/24



24x36
SHEET SIZE

S-101B
FIRST FLOOR FRAMING PLAN



- H1** 3.5" X 5.5" ROTATED LVL
- H2** (3) 2X6 HF#2 OR (3) 2X6 LVL

OPEN FRONT STRUCTURE:
THE PROPOSED STRUCTURE IS AN OPEN FRONT STRUCTURE. THE FRONT WALL HAS NO SHEAR LOAD PER THAT DEFINITION AND AS ALLOWED BY SDPWS SECTION 4.2.5.2.1. SEE SHEET L2 OF THE STRUCTURAL CALCULATIONS FOR THE NECESSARY ASPECT RATIO CRITERIA AND A COMPLETE ROTATIONAL ANALYSIS ON SHEET L4.

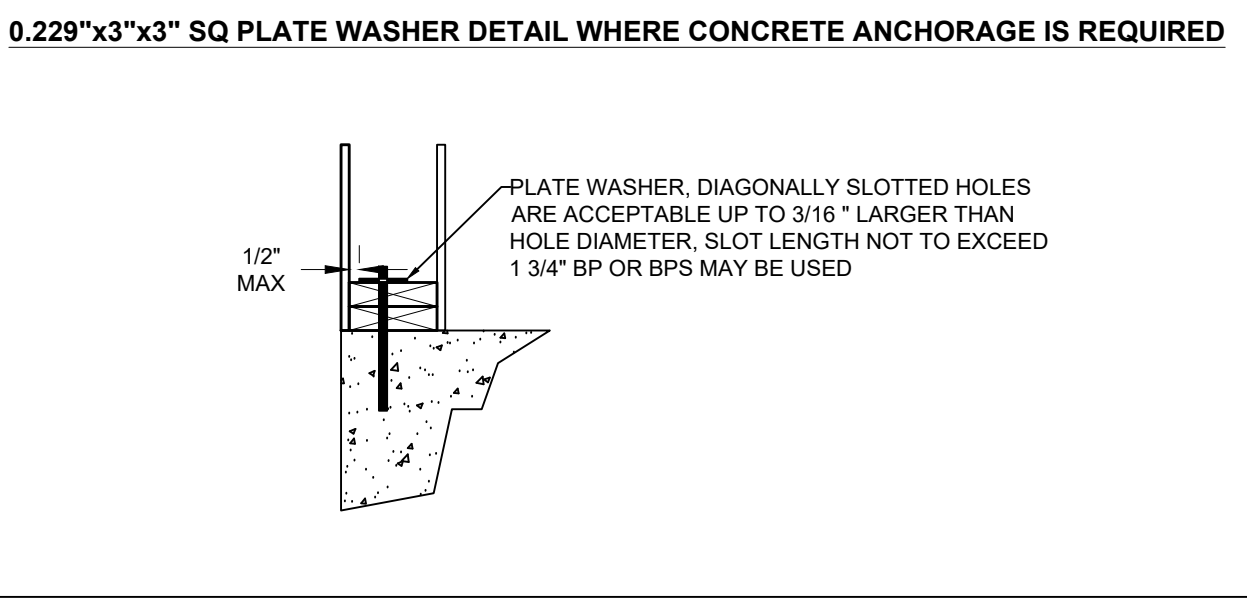
PLAN NOTES:
PROVIDE LEAD HOLE 40% - 70% OF THREADED SHANK DIAMETER AND FULL DIAMETER FOR SMOOTH SHANK PORTION.

1 FIRST FLOOR FRAMING PLAN
SCALE: 1/2" = 1'-0"

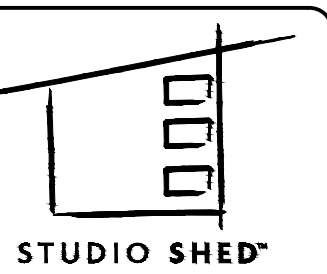
WALL SCHEDULE									
MARK	STUDS	SHEATHING	NAILS	PANEL EDGE NAIL SPACING	FIELD NAIL SPACING	BOTTOM PLATE ANCHORS ¹	WASHERS	SEISMIC CAPACITY	WIND CAPACITY
3	2x6 SPF#2 @ 24" O.C. MAX	7/16" APA (24/16) EXTERIOR	8d COMMON NAILS (0.131"x2 1/2")	6"	6"	1/2"x8" @ 32" O.C. WITH CONCRETE	SEE 2/S-100	220 PLF	308 PLF
4	2x6 SPF#2 @ 24" O.C. MAX	7/16" APA (24/16) EXTERIOR	8d COMMON NAILS (0.131"x2 1/2")	4"	6"	1/2"x8" @ 16" O.C. WITH CONCRETE	SEE 2/S-100	322 PLF	451 PLF
	2x6 SPF#2 @ 24" O.C. MAX	7/16" APA (24/16) EXTERIOR	8d COMMON NAILS (0.131"x2 1/2")	6"	12"	1/2"x8" @ 48" O.C. WITH CONCRETE	SEE 2/S-100	-	-

GENERAL NOTES:
 1. 3" SCREWS @ 12" O.C. INTO STUDS BETWEEN WALL PANEL JOINTS.
 2. 3" SCREWS INTO STUDS BETWEEN SHEAR WALL PANEL JOINTS. MATCH SHEAR WALL PANEL EDGE NAIL SPACING.
 3. OSB (P.W.) (ZIP) SHEATHING MUST CONTINUE TO THE DOUBLE TOP PLATE
 4. ONE TRIM STUD AND ONE KING STUD TYPICAL AT ALL HEADERS, UNO
 5. SEE SHEET 1/S-101 FOR HOLDOWN TYPE AND LOCATION
 6. NUMBER OF STUDS AT EACH END OF SHEAR WALLS IS CALLED OUT ON PLAN, UNO
 7. NO PENETRATIONS GREATER THAN 12"x12" IN SHEAR WALLS. BLOCK AND NAIL ALL EDGES. CUT SHEATHING INTO "L" AND "T" SHAPES AROUND OPENINGS IN NON-SHEAR WALLS.
 8. ALL EDGES IN SHEAR WALLS TO BE BLOCKED WITH 2x4 MEMBERS
 9. ALL WALLS HAVE (2) 2x4 TOP PLATES AND (2) 2x4 BOTTOM PLATE EQUAL TO WIDTH OF STUD SIZE, TYP UNO
 10. SEE DETAILS ON S-300 FOR ATTACHMENT OF DIAPHRAGMS TO SHEAR WALL PLATES, TYPICAL
 11. NAIL WALL SHEATHING WITH MINIMUM 8D COMMON, 10D GUN, OR 10D BOX AS INDICATED IN THE WALL SCHEDULE
 12. MINIMUM (3) 8D NAILS PER STUD
 13. SHEATH ALL EXTERIOR WALLS. SHEATH THE INTERIOR WALLS AS DESIGNATED ON THE DRAWINGS

TYPICAL FOR ALL SHEAR WALL NAILING:
 PER NCSBC/AWC SDPWS. SHEATHING NAILS SHALL BE DRIVEN FLUSH BUT SHALL NOT FRACTURE THE SURFACE OF THE SHEATHING. SHEATHING PANEL NAILING NOT CONFORMING TO THIS SECTION WILL NOT BE ACCEPTABLE AND WILL HAVE TO BE REINSTALLED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE NAIL GUNS USED FOR FASTENING ARE SET AT THE PROPER DEPTH AND/OR AIR PRESSURE TO ACHIEVE THE REQUIRED PENETRATION



1. SILL PLATE ANCHORS (BOLTS OR SCREWS) SHALL BE SPACED ACCORDING TO THE WALL SCHEDULE ABOVE AND THERE SHALL NOT BE LESS THAN TWO ANCHORS PER PIECE OF SILL PLATE WITH ONE ANCHOR LOCATED NOT MORE THAN 12 INCHES OR LESS THAN 4 INCHES FROM EACH END OF EACH PIECE.



1500 CHERRY STREET
LOUISVILLE, CO 80027
Ph: 888.900.3933
WWW.STUDIOSHED.COM

ISSUE DATE

REVISIONS

PRIMARY DWELLING, GUEST WING, WORKSHOP / GARAGE
TYPE OF CONSTRUCTION
KIM FOWLER
NAME
RIVER BLUFF DR N
DUNN, NC 28834
ADDRESS

PREPARER OF PLANS:

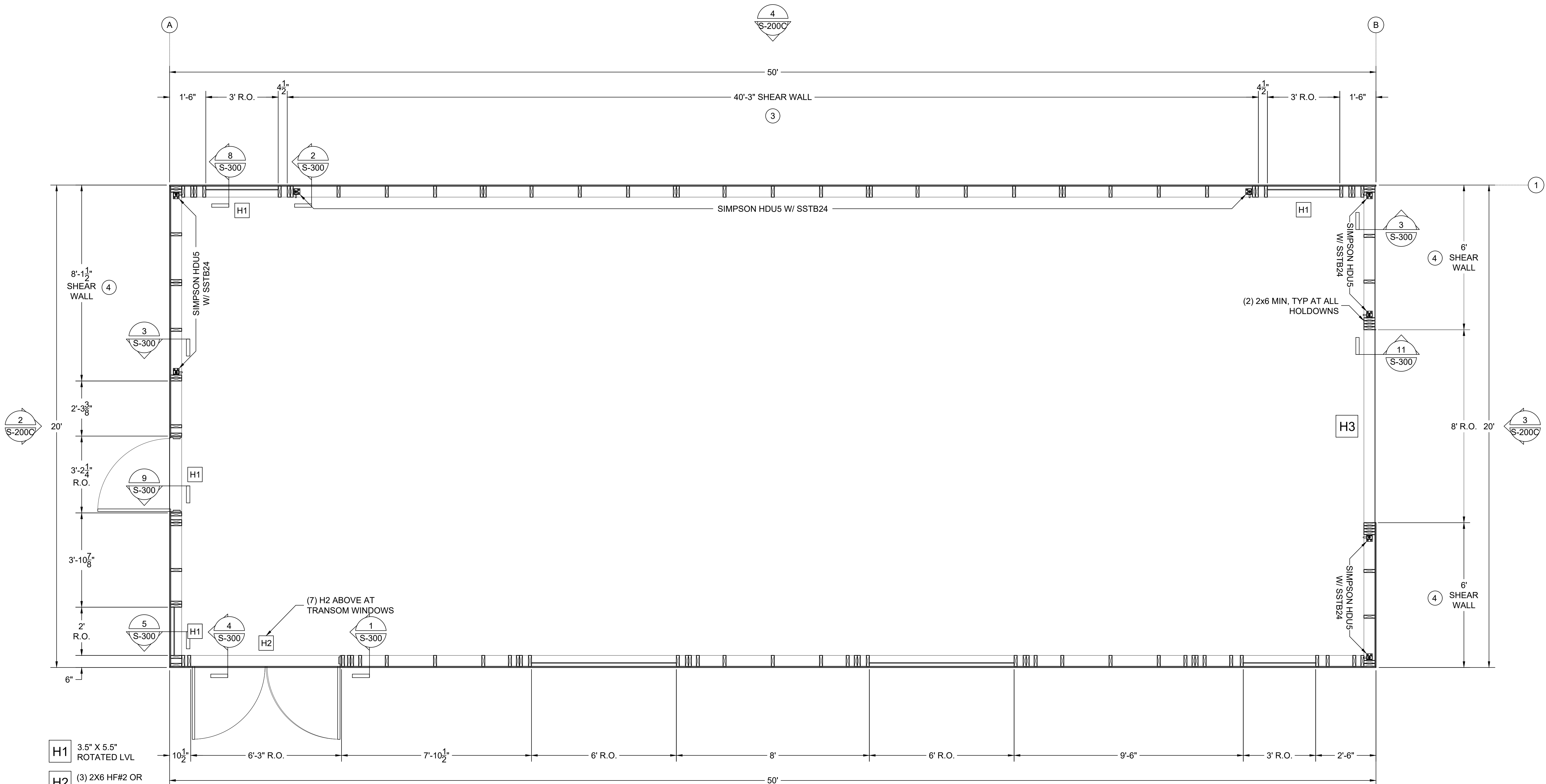
ANDREW LANGDON
ALANGDON@STUDIOSHED.COM
(303) 945-6973

10/09/24



24x36
SHEET SIZE

S-101C
FIRST FLOOR FRAMING PLAN



H1 3.5" X 5.5" ROTATED LVL
H2 (3) 2X6 HF#2 OR (3) 2X6 LVL

OPEN FRONT STRUCTURE:
THE PROPOSED STRUCTURE IS AN OPEN FRONT STRUCTURE. THE FRONT WALL HAS NO SHEAR LOAD PER THAT DEFINITION AND AS ALLOWED BY SDPWS SECTION 4.2.5.2.1. SEE SHEET L2 OF THE STRUCTURAL CALCULATIONS FOR THE NECESSARY ASPECT RATIO CRITERIA AND A COMPLETE ROTATIONAL ANALYSIS ON SHEET L4.

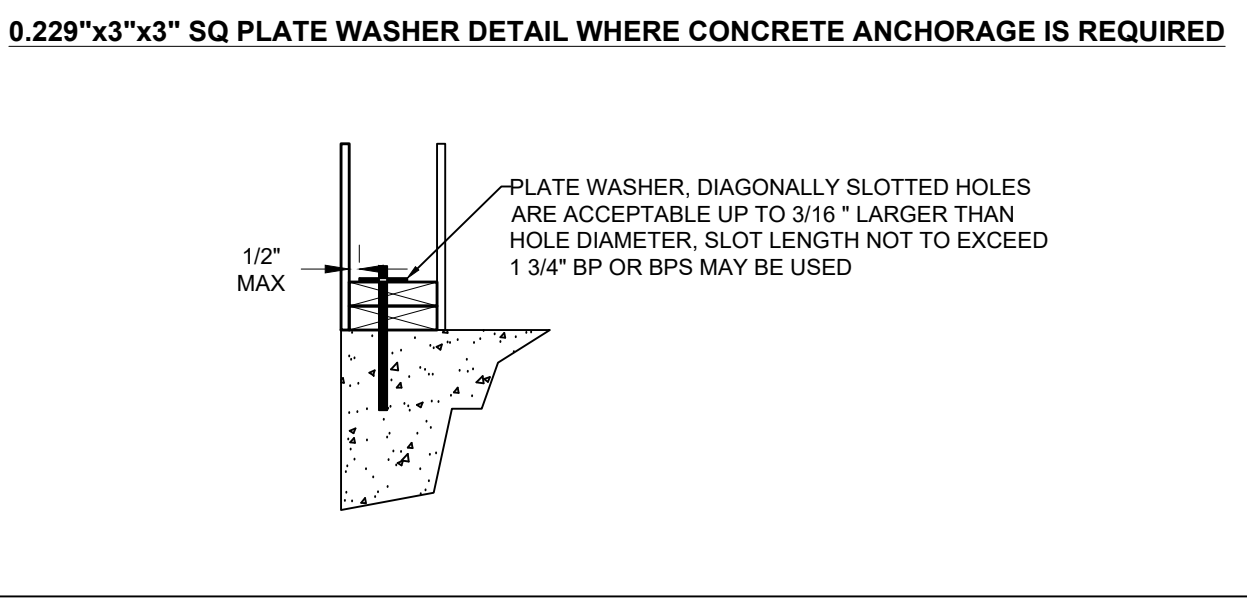
PLAN NOTES:
PROVIDE LEAD HOLE 40% - 70% OF THREADED SHANK DIAMETER AND FULL DIAMETER FOR SMOOTH SHANK PORTION.

1 FIRST FLOOR FRAMING PLAN
SCALE: 1/2" = 1'-0"

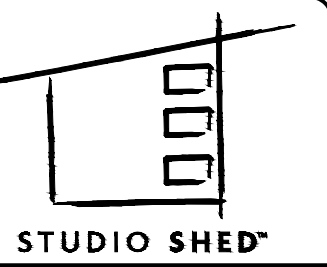
WALL SCHEDULE									
MARK	STUDS	SHEATHING	NAILS	PANEL EDGE NAIL SPACING	FIELD NAIL SPACING	BOTTOM PLATE ANCHORS ¹	WASHERS	SEISMIC CAPACITY	WIND CAPACITY
3	2x6 SPF#2 @ 24" O.C. MAX	7/16" APA (24/16) EXTERIOR	8d COMMON NAILS (0.131"x2 1/2")	6"	6"	1/2"x8" @ 32" O.C. WITH CONCRETE	SEE 2/S-100	220 PLF	308 PLF
4	2x6 SPF#2 @ 24" O.C. MAX	7/16" APA (24/16) EXTERIOR	8d COMMON NAILS (0.131"x2 1/2")	4"	6"	1/2"x8" @ 16" O.C. WITH CONCRETE	SEE 2/S-100	322 PLF	451 PLF
	2x6 SPF#2 @ 24" O.C. MAX	7/16" APA (24/16) EXTERIOR	8d COMMON NAILS (0.131"x2 1/2")	6"	12"	1/2"x8" @ 48" O.C. WITH CONCRETE	SEE 2/S-100	-	-

GENERAL NOTES:
1. 3" SCREWS @ 12" O.C. INTO STUDS BETWEEN WALL PANEL JOINTS
2. 3" SCREWS INTO STUDS BETWEEN SHEAR WALL PANEL JOINTS. MATCH SHEAR WALL PANEL EDGE NAIL SPACING.
3. OSB (P.W.) (ZIP) SHEATHING MUST CONTINUE TO THE DOUBLE TOP PLATE
4. ONE TRIM STUD AND ONE KING STUD TYPICAL AT ALL HEADERS, UNO
5. SEE SHEET 1/S-101 FOR HOLDOWN TYPE AND LOCATION
6. NUMBER OF STUDS AT EACH END OF SHEAR WALLS IS CALLED OUT ON PLAN, UNO
7. NO PENETRATIONS GREATER THAN 12"x12" IN SHEAR WALLS. BLOCK AND NAIL ALL EDGES. CUT SHEATHING INTO "L" AND "T" SHAPES AROUND OPENINGS IN NON-SHEAR WALLS.
8. ALL EDGES IN SHEAR WALLS TO BE BLOCKED WITH 2x MEMBERS
9. ALL WALLS HAVE (2) 2x TOP PLATES AND (2) 2x BOTTOM PLATES EQUAL TO WIDTH OF STUD SIZE, TYP UNO
10. SEE DETAILS ON S-300 FOR ATTACHMENT OF DIAPHRAGMS TO SHEAR WALL PLATES, TYPICAL
11. NAIL WALL SHEATHING WITH MINIMUM 8D COMMON, 10D GUN, OR 10D BOX AS INDICATED IN THE WALL SCHEDULE
12. MINIMUM (3) 8D NAILS PER STUD
13. SHEATH ALL EXTERIOR WALLS. SHEATH THE INTERIOR WALLS AS DESIGNATED ON THE DRAWINGS

TYPICAL FOR ALL SHEAR WALL NAILING:
PER NCSBC / AWC SDPWS. SHEATHING NAILS SHALL BE DRIVEN FLUSH BUT SHALL NOT FRACTURE THE SURFACE OF THE SHEATHING. SHEATHING PANEL NAILING NOT CONFORMING TO THIS SECTION WILL NOT BE ACCEPTABLE AND WILL HAVE TO BE REINSTALLED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE NAIL GUNS USED FOR FASTENING ARE SET AT THE PROPER DEPTH AND/OR AIR PRESSURE TO ACHIEVE THE REQUIRED PENETRATION



1. SILL PLATE ANCHORS (BOLTS OR SCREWS) SHALL BE SPACED ACCORDING TO THE WALL SCHEDULE ABOVE AND THERE SHALL NOT BE LESS THAN TWO ANCHORS PER PIECE OF SILL PLATE WITH ONE ANCHOR LOCATED NOT MORE THAN 12 INCHES OR LESS THAN 4 INCHES FROM EACH END OF EACH PIECE.



1500 CHERRY STREET
LOUISVILLE, CO 80027
Ph: 888.900.3933
WWW.STUDIOSHED.COM

ISSUE DATE

REVISIONS

PRIMARY DWELLING, GUEST WING, WORKSHOP / GARAGE
TYPE OF CONSTRUCTION
KIM FOWLER
NAME
RIVER BLUFF DR N
DUNN, NC 28834
ADDRESS

PREPARER OF PLANS:

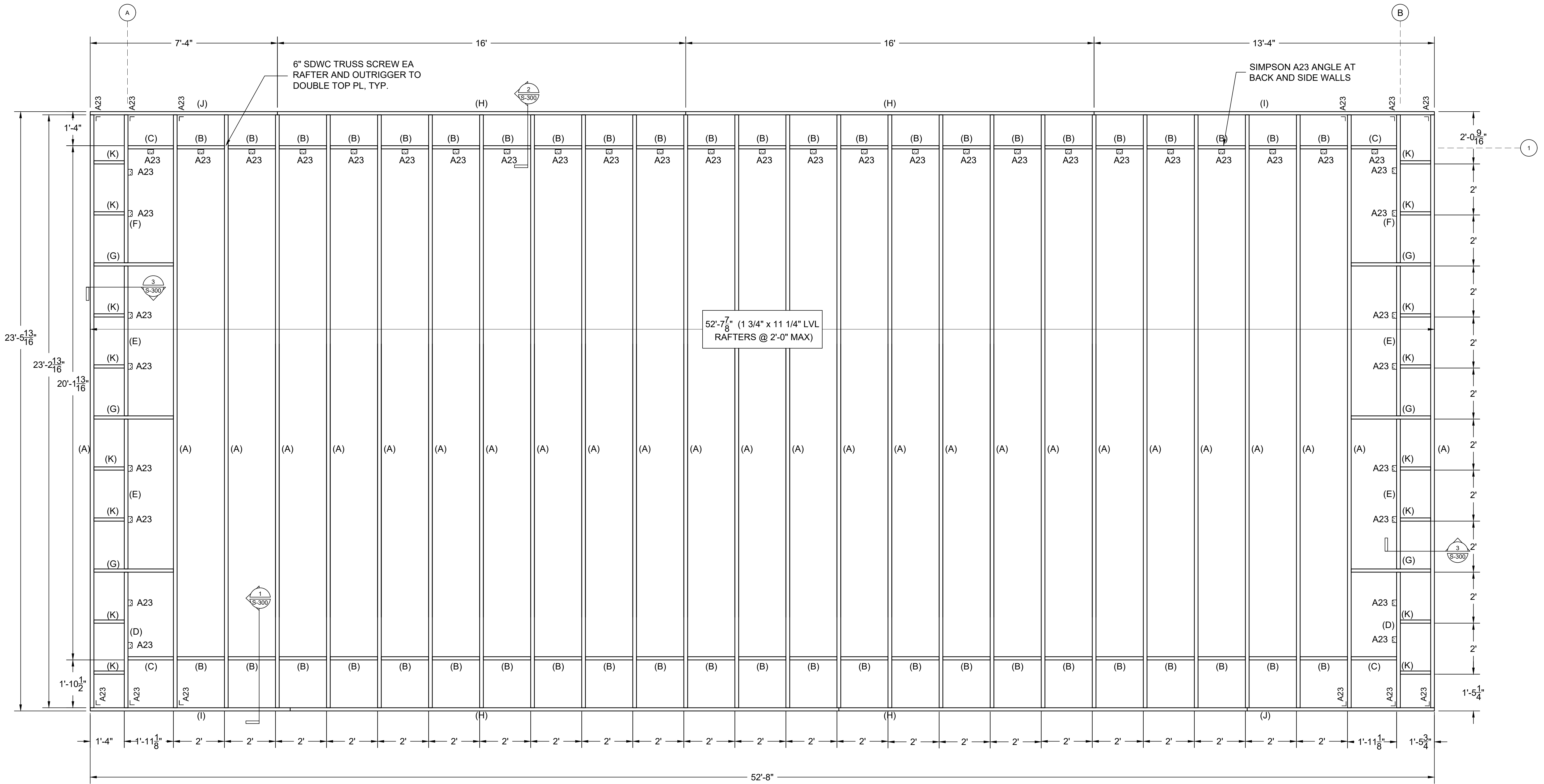
ANDREW LANGDON
ALANGDON@STUDIOSHED.COM
(303) 945-6973

10/09/24



24x36
SHEET SIZE

S-102A
ROOF FRAMING PLAN



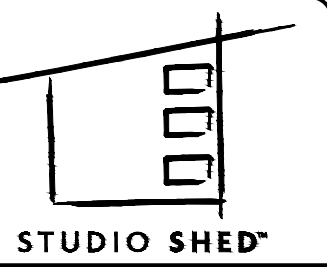
1 ROOF FRAMING PLAN
S-102A SCALE: 1/2" = 1'-0"

ASD			
		SEISMIC	WIND
(STRONG)	CASE 1	240 PLF	335 PLF
(WEAK)	CASE 3	180 PLF	253 PLF

ROOF DIAPHRAGM:
2018 SDPWS TABLE 4.2C (UNBLOCKED WOOD STRUCTURAL PANEL DIAPHRAGMS)
19/32" SHEATHING AND SINGLE-FLOOR W/ 8d COMMON (0.131x2.5) OVER 2x FRAMING MEMBERS OF SG = 0.5 (DOUG FIR OR LVL)

PLAN NOTES:
ALL DIAPHRAGM AND SHEAR WALL NAILING SHALL UTILIZE COMMON NAILS OR GALVANIZED BOX NAILS. SEE GENERAL NOTES AND WALL SCHEDULE FOR ATTACHMENT. FACE GRAIN OF PLYWOOD SHALL BE PERPENDICULAR TO SUPPORTS.

KEY:
 (A) - RAFTER - 1 3/4" x 11 1/4" LVL
 (B) - BLOCKING - 1 3/4" x 11 1/4" LVL
 (C) - BLOCKING - 1 3/4" x 11 1/4" LVL
 (D) - RAFTER BLOCKING - 1 3/4" x 11 1/4" LVL
 (E) - RAFTER BLOCKING - 1 3/4" x 11 1/4" LVL
 (F) - RAFTER BLOCKING - 1 3/4" x 11 1/4" LVL
 (G) - OUTRIGGER - NO. 2 2x12 DOUGLAS FIR
 (H) - SUB-FASCIA - NO. 2 2x12 DOUGLAS FIR
 (I) - SUB-FASCIA - NO. 2 2x12 DOUGLAS FIR
 (K) - SOFFIT NAILER - NO. 2 2x4 DOUGLAS FIR



1500 CHERRY STREET
LOUISVILLE, CO 80027
Ph: 888.900.3933
WWW.STUDIOSHED.COM

ISSUE DATE

REVISIONS

PRIMARY DWELLING, GUEST WING, WORKSHOP / GARAGE

TYPE OF CONSTRUCTION

NAME

RIVER BLUFF DR N
DUNN, NC 28834
ADDRESS

PREPARER OF PLANS:

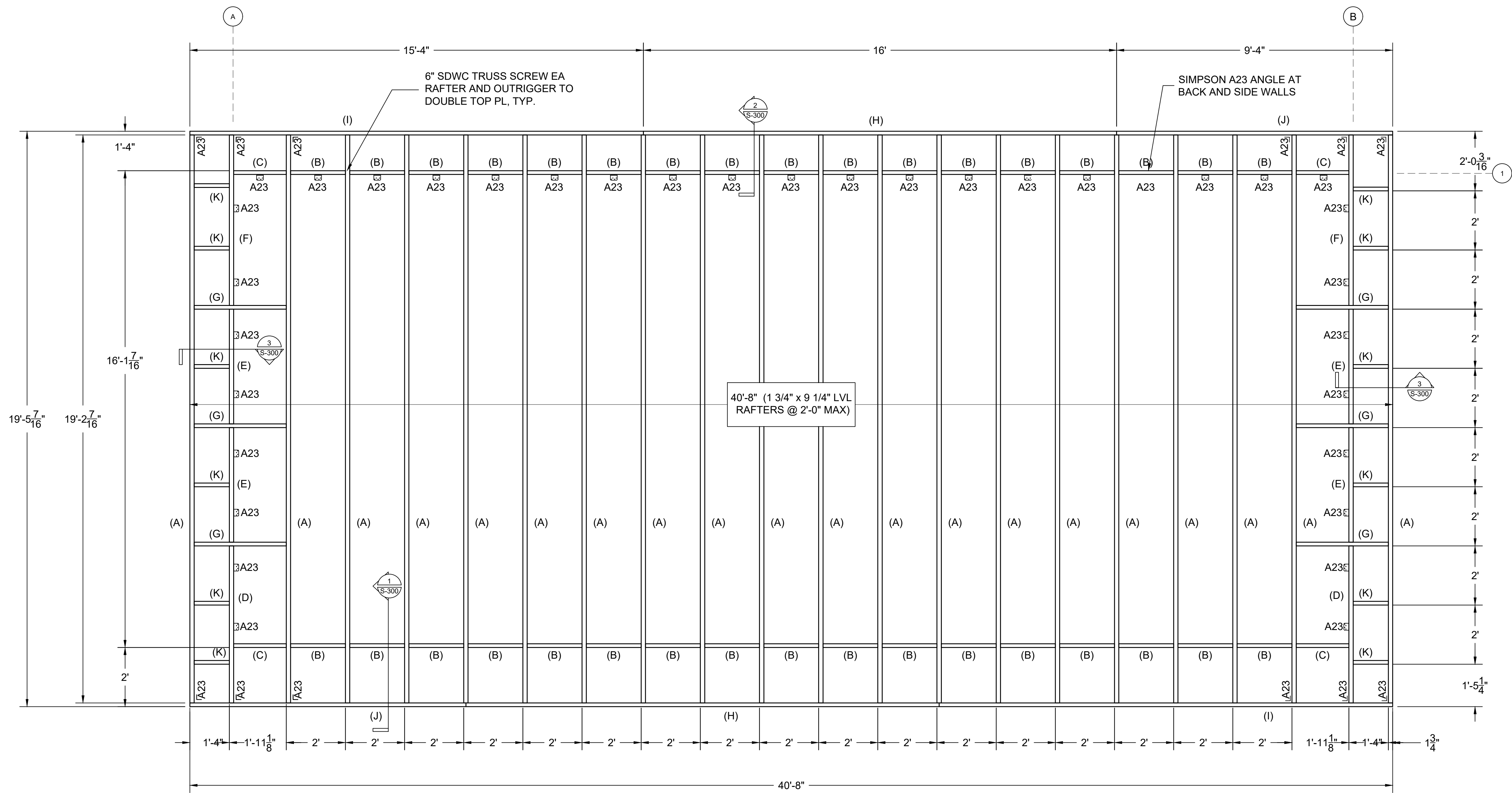
ANDREW LANGDON
ALANGDON@STUDIOSHED.COM
(303) 945-6973

10/09/24



24x36
SHEET SIZE

S-102B
ROOF FRAMING PLAN



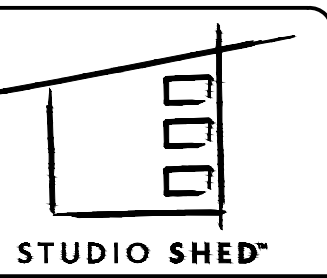
1 ROOF FRAMING PLAN
S-102B SCALE: 1/2" = 1'-0"

ASD			
		SEISMIC	WIND
(STRONG)	CASE 1	240 PLF	335 PLF
(WEAK)	CASE 3	180 PLF	253 PLF

- KEY:**
- (A) - RAFTER - 1 3/4" x 9 1/4" LVL
 - (B) - BLOCKING - 1 3/4" x 9 1/4" LVL
 - (C) - BLOCKING - 1 3/4" x 9 1/4" LVL
 - (D) - RAFTER BLOCKING - 1 3/4" x 9 1/4" LVL
 - (E) - RAFTER BLOCKING - 1 3/4" x 9 1/4" LVL
 - (F) - RAFTER BLOCKING - 1 3/4" x 9 1/4" LVL
 - (G) - OUTRIGGER - NO. 2 2x10 DOUGLAS FIR
 - (H) - SUB-FASCIA - NO. 2 2x10 DOUGLAS FIR
 - (I) - SUB-FASCIA - NO. 2 2x10 DOUGLAS FIR
 - (K) - SOFFIT NAILER - NO. 2 2x4 DOUGLAS FIR

ROOF DIAPHRAGM:
2018 SDPWS TABLE 4.2C (UNBLOCKED WOOD STRUCTURAL PANEL DIAPHRAGMS)
19/32" SHEATHING AND SINGLE-FLOOR W/ 8d COMMON (0.131x2.5) OVER 2x FRAMING MEMBERS OF SG = 0.5 (DOUG FIR OR LVL)

PLAN NOTES:
ALL DIAPHRAGM AND SHEAR WALL NAILING SHALL UTILIZE COMMON NAILS OR GALVANIZED BOX NAILS. SEE GENERAL NOTES AND WALL SCHEDULE FOR ATTACHMENT. FACE GRAIN OF PLYWOOD SHALL BE PERPENDICULAR TO SUPPORTS.



1500 CHERRY STREET
LOUISVILLE, CO 80027
Ph: 888.900.3933
WWW.STUDIOSHED.COM

ISSUE DATE

REVISIONS

PRIMARY DWELLING, GUEST WING, WORKSHOP / GARAGE
TYPE OF CONSTRUCTION
KIM FOWLER
NAME
RIVER BLUFF DR N
DUNN, NC 28334
ADDRESS

PREPARER OF PLANS:

ANDREW LANGDON
ALANGDON@STUDIOSHED.COM
(303) 945-6973

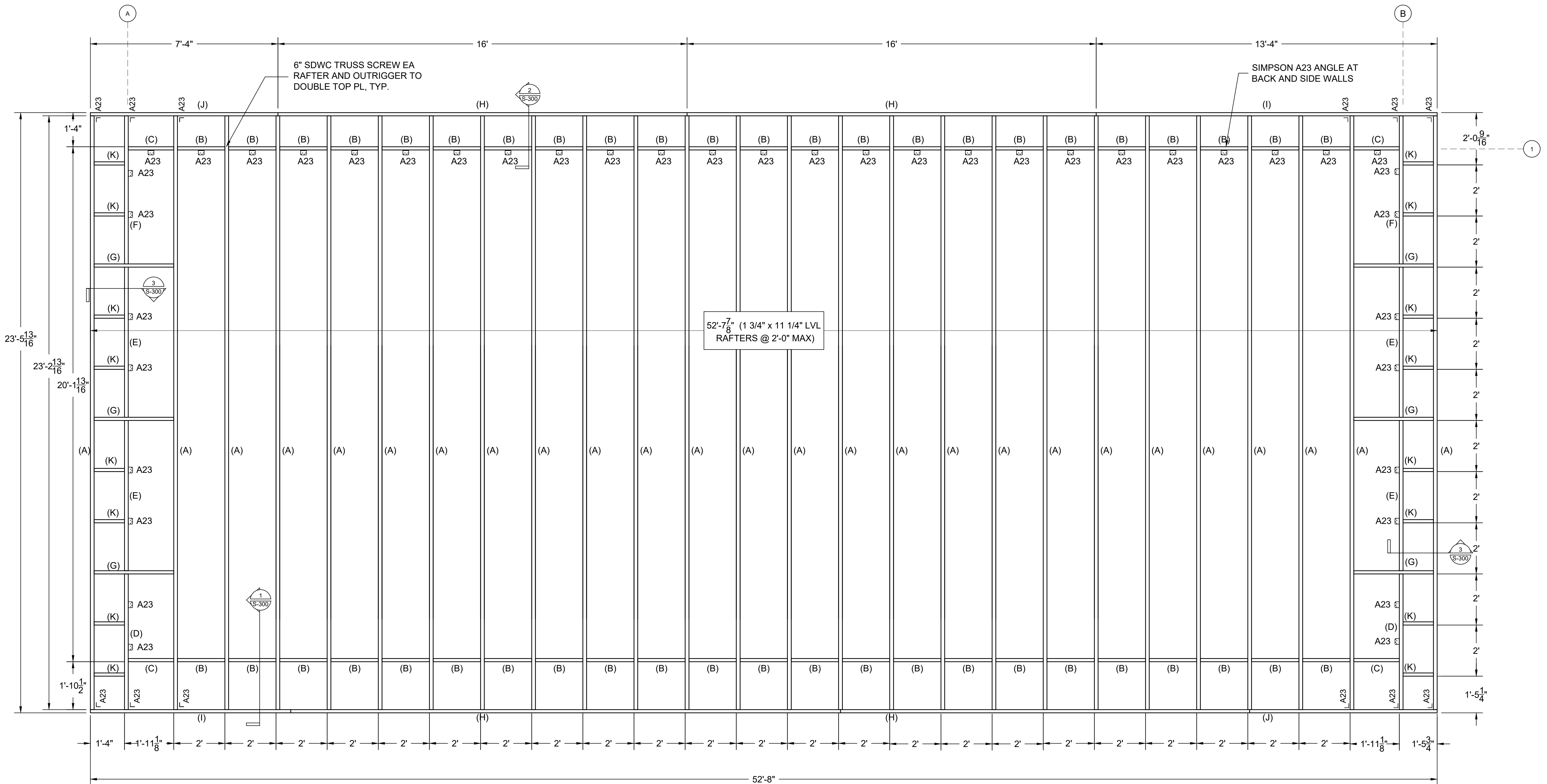
Andrew Langdon

10/09/24



24x36
SHEET SIZE

S-102C
ROOF FRAMING PLAN



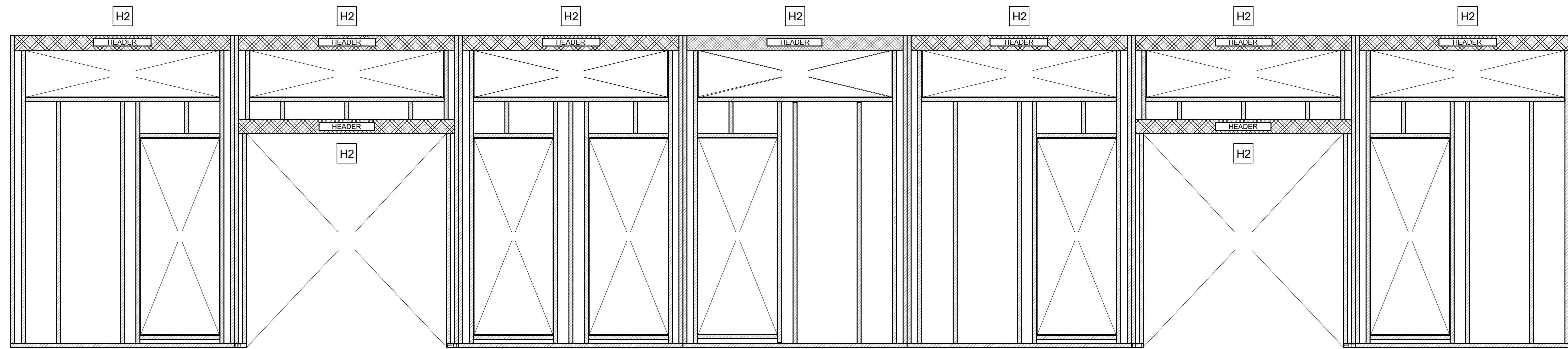
1 ROOF FRAMING PLAN
S-102C SCALE: 1/2" = 1'-0"

ASD			
		SEISMIC	WIND
(STRONG)	CASE 1	240 PLF	335 PLF
(WEAK)	CASE 3	180 PLF	253 PLF

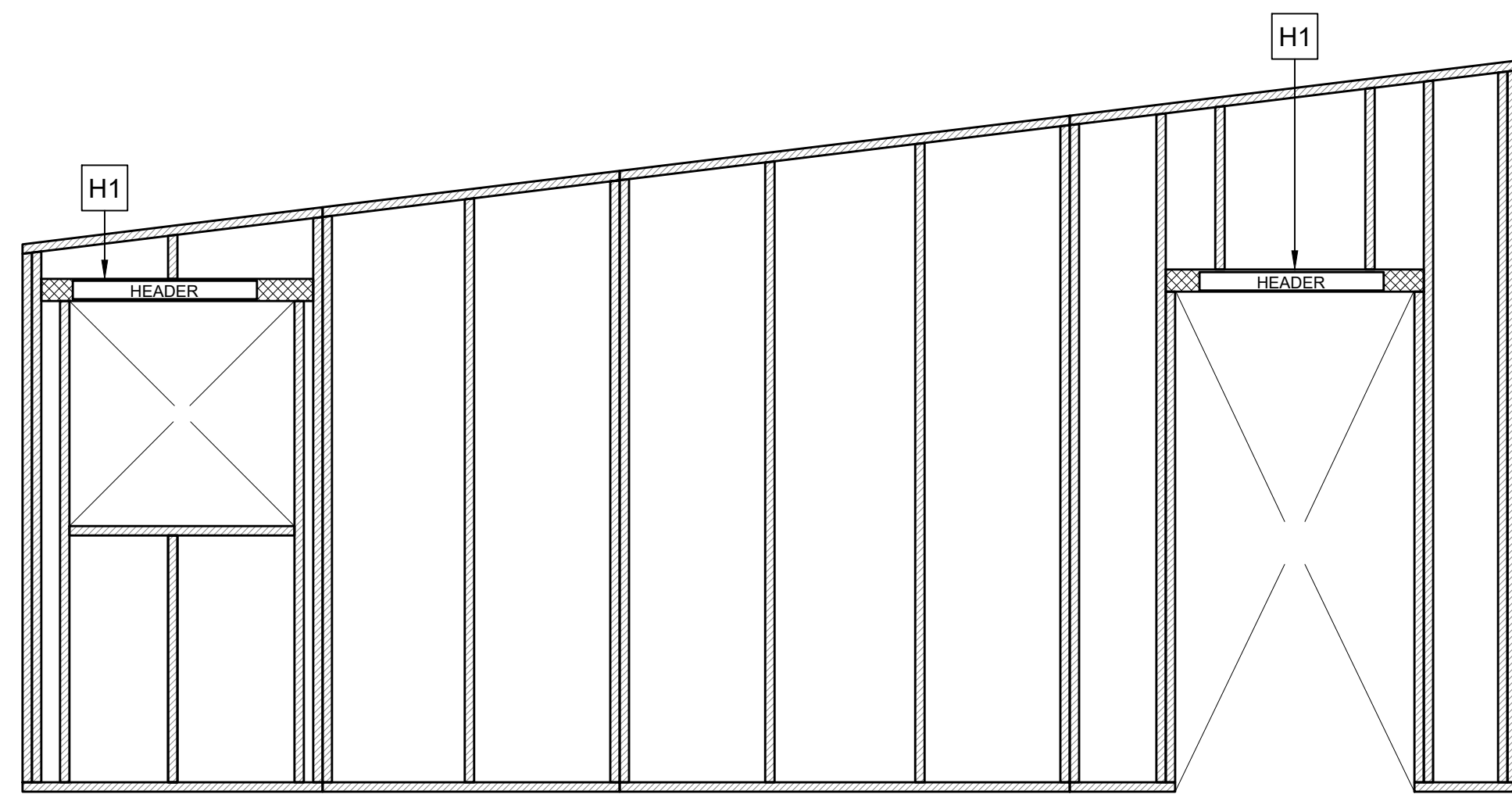
ROOF DIAPHRAGM:
2018 SDPWS TABLE 4.2C (UNBLOCKED WOOD STRUCTURAL PANEL DIAPHRAGMS)
19/32" SHEATHING AND SINGLE-FLOOR W/ 8d COMMON (0.131x2.5) OVER 2x FRAMING MEMBERS OF SG = 0.5 (DOUG FIR OR LVL)

PLAN NOTES:
ALL DIAPHRAGM AND SHEAR WALL NAILING SHALL UTILIZE COMMON NAILS OR GALVANIZED BOX NAILS. SEE GENERAL NOTES AND WALL SCHEDULE FOR ATTACHMENT. FACE GRAIN OF PLYWOOD SHALL BE PERPENDICULAR TO SUPPORTS.

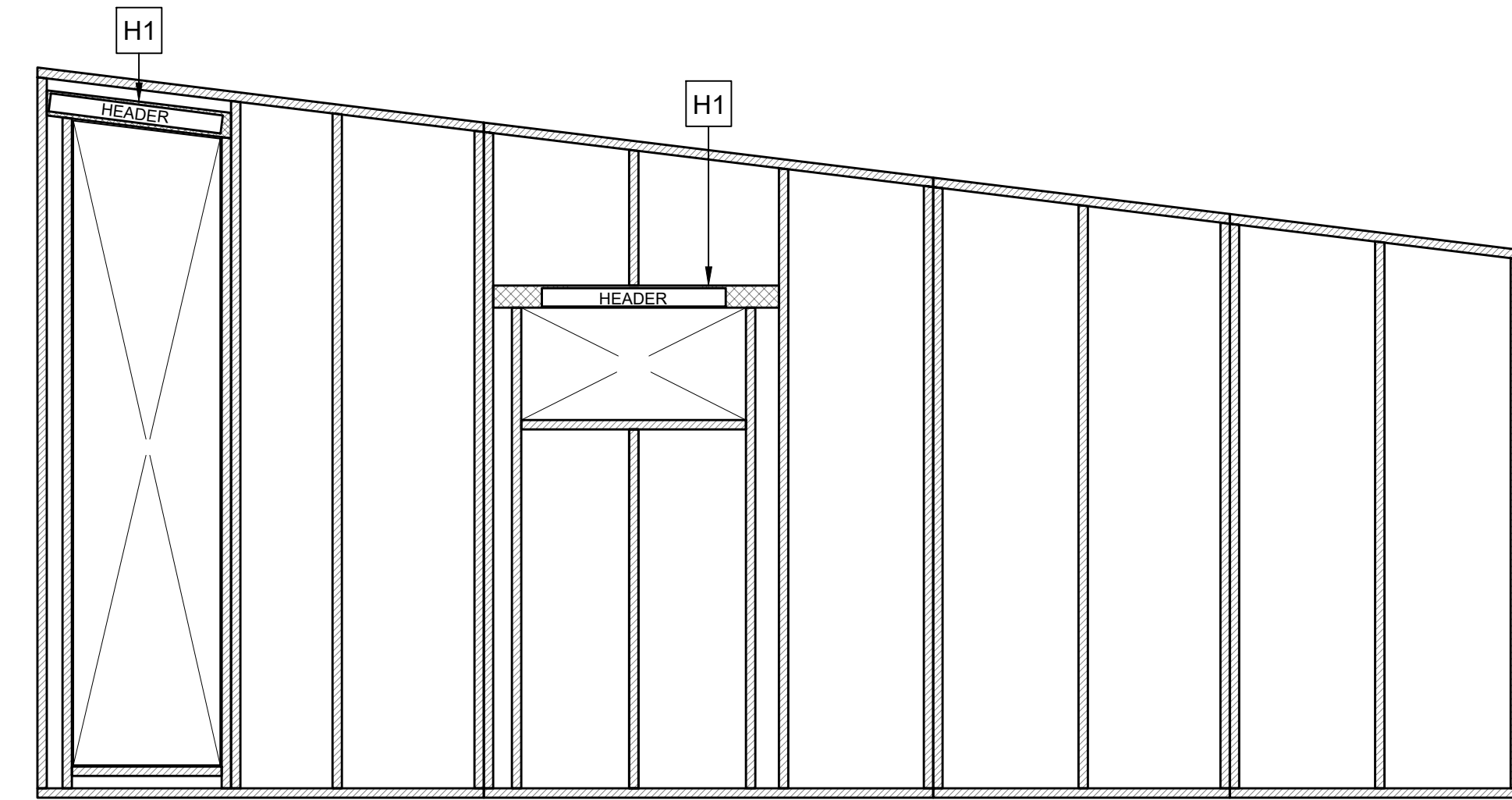
KEY:
 - (A) - RAFTER - 1 3/4" x 11 1/4" LVL
 - (B) - BLOCKING - 1 3/4" x 11 1/4" LVL
 - (C) - BLOCKING - 1 3/4" x 11 1/4" LVL
 - (D) - RAFTER BLOCKING - 1 3/4" x 11 1/4" LVL
 - (E) - RAFTER BLOCKING - 1 3/4" x 11 1/4" LVL
 - (F) - RAFTER BLOCKING - 1 3/4" x 11 1/4" LVL
 - (G) - OUTRIGGER - NO. 2 2x12 DOUGLAS FIR
 - (H) - SUB-FASCIA - NO. 2 2x12 DOUGLAS FIR
 - (I) - SUB-FASCIA - NO. 2 2x12 DOUGLAS FIR
 - (K) - SOFFIT NAILER - NO. 2 2x4 DOUGLAS FIR



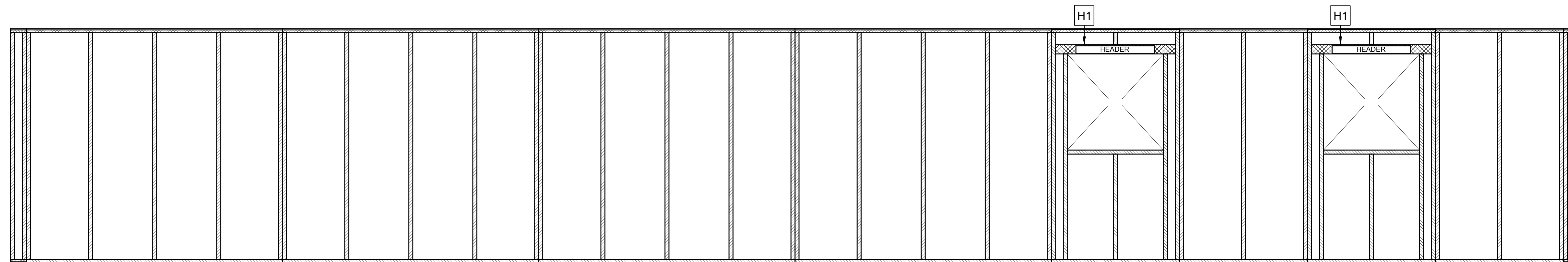
1 FRONT FRAMING ELEVATION
S-200A SCALE: 1/2" = 1'-0"



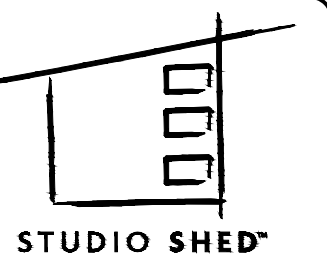
2 LEFT FRAMING ELEVATION
S-200A SCALE: 1/2" = 1'-0"



3 RIGHT FRAMING ELEVATION
S-200A SCALE: 1/2" = 1'-0"



4 BACK FRAMING ELEVATION
S-200A SCALE: 1/2" = 1'-0"



1500 CHERRY STREET
LOUISVILLE, CO 80027
Ph: 888.900.3933
WWW.STUDIOSHED.COM

ISSUE DATE

REVISIONS

PRIMARY DWELLING, GUEST WING, WORKSHOP / GARAGE
TYPE OF CONSTRUCTION
KIM FOWLER
NAME
RIVER BLUFF DR N
DUNN, NC 28634
ADDRESS

PREPARER OF PLANS:

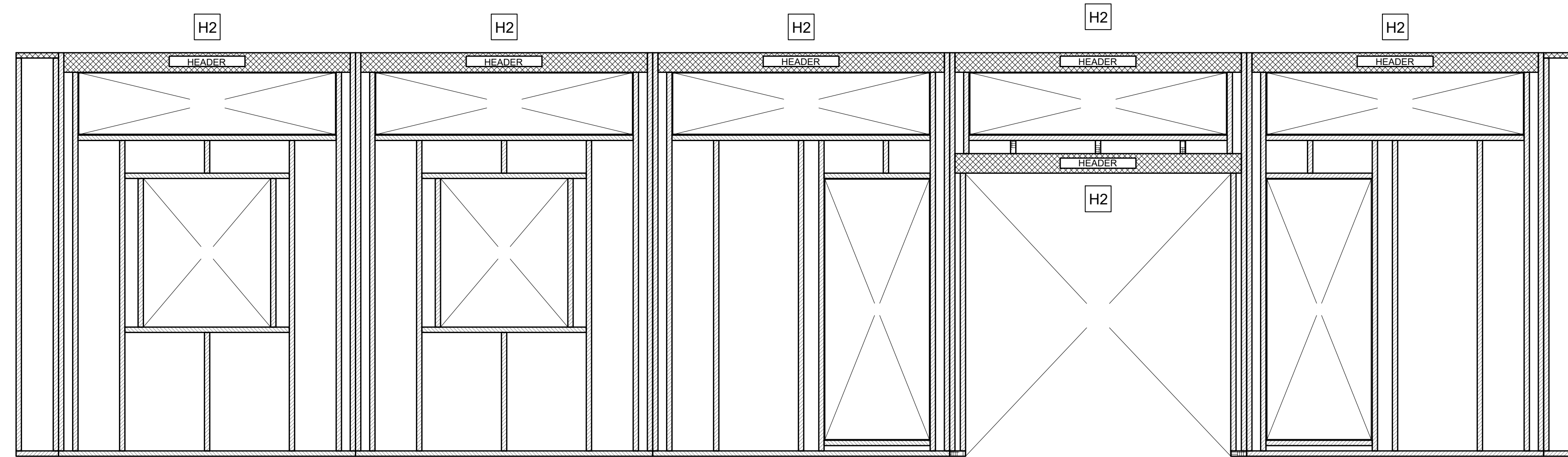
ANDREW LANGDON
ALANGDON@STUDIOSHED.COM
(303) 945-6973

Andrew Langdon
10/09/24

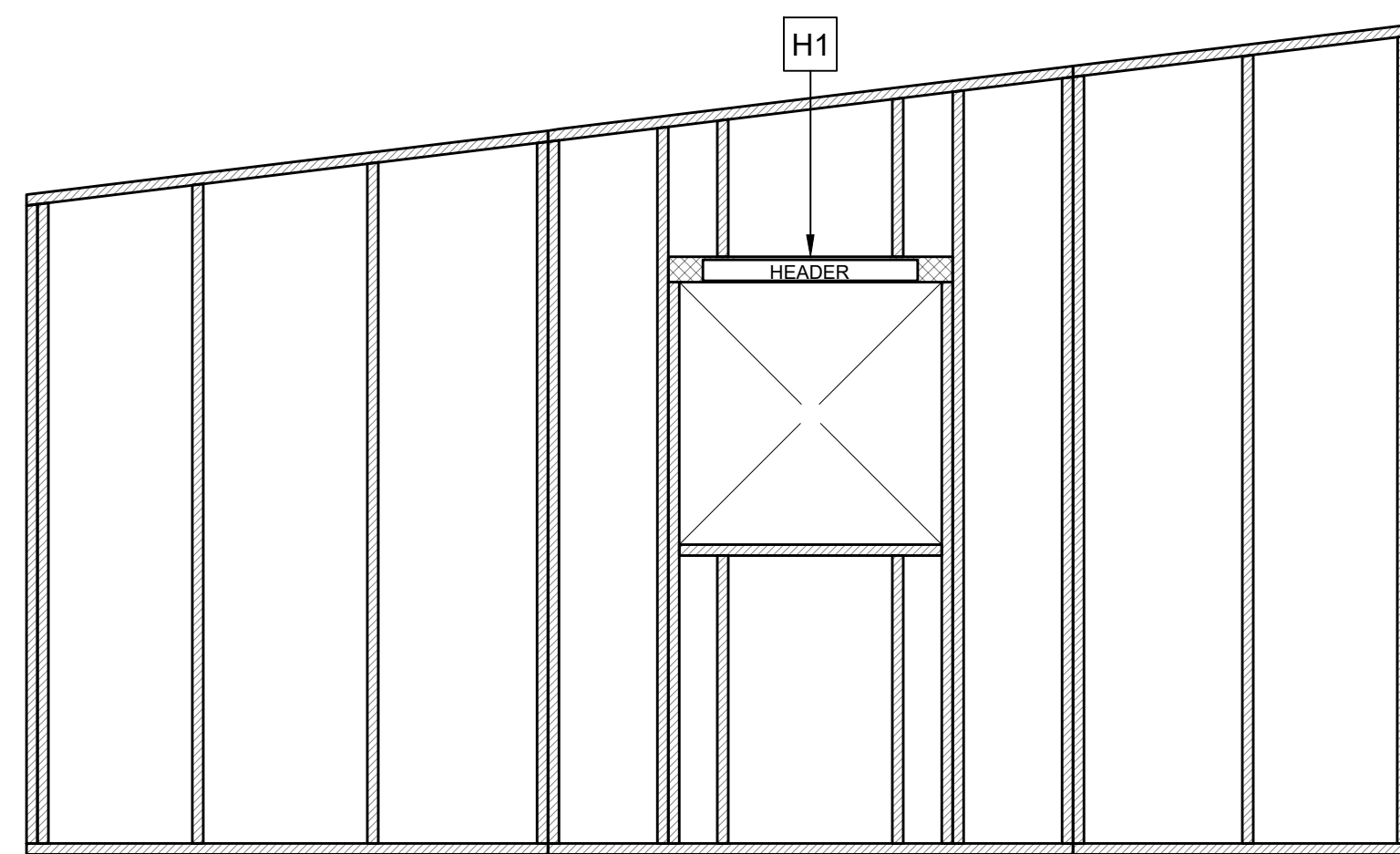


24x36
SHEET SIZE

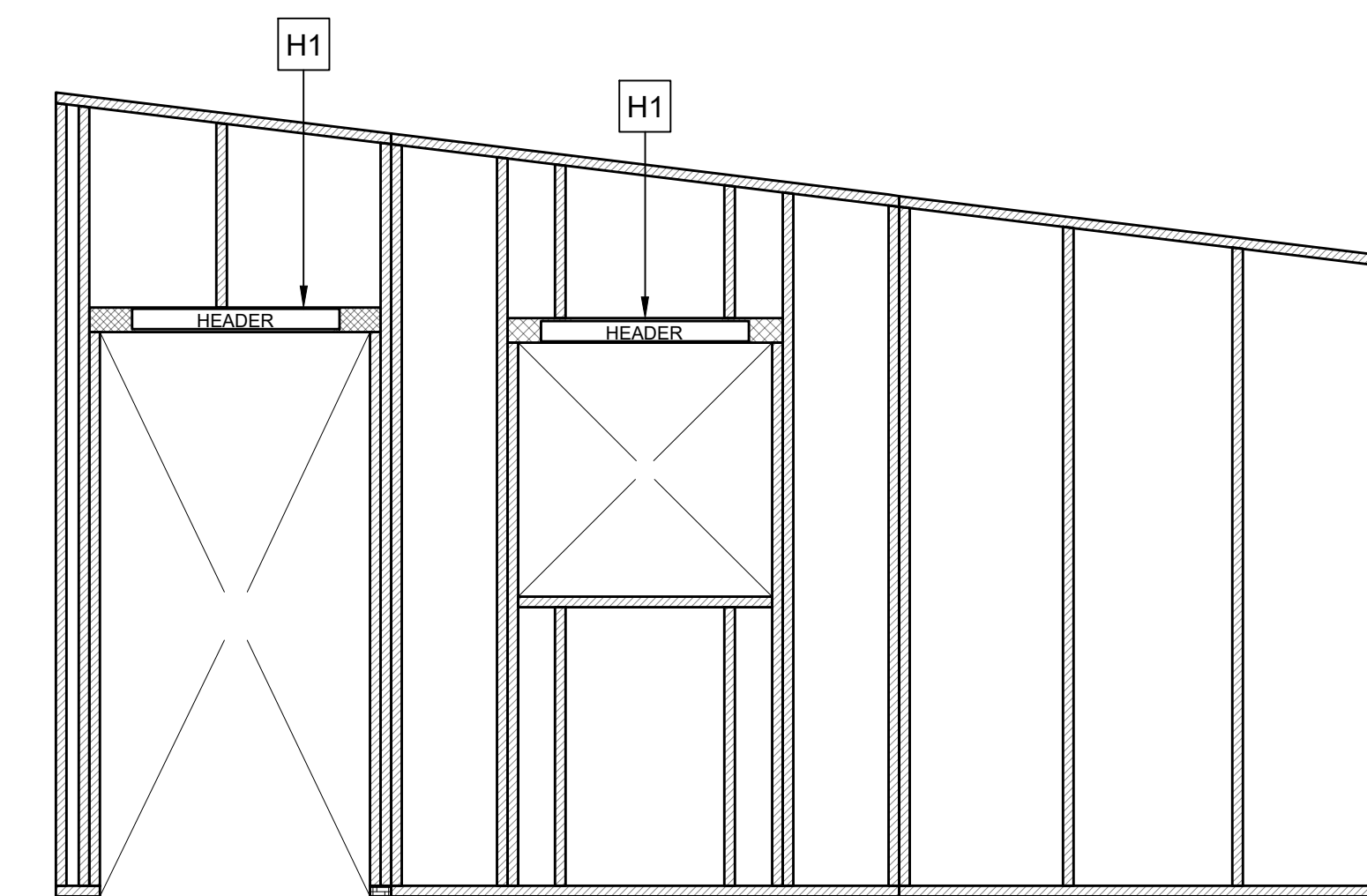
S-200A
WALL FRAMING PLAN



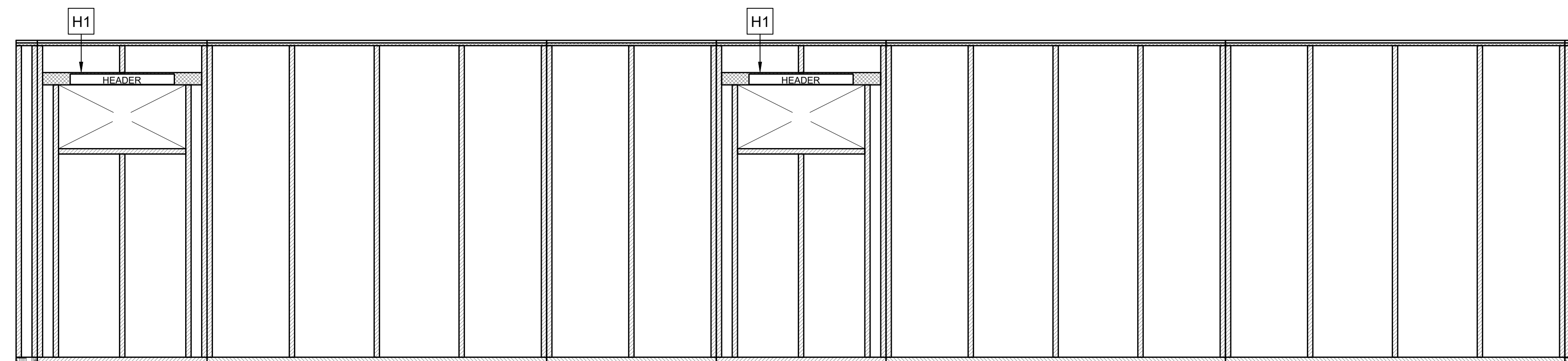
1 FRONT FRAMING ELEVATION
 S-200B SCALE: 1/2" = 1'-0"



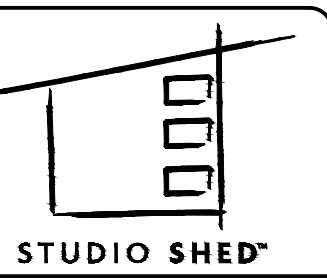
2 LEFT FRAMING ELEVATION
 S-200B SCALE: 1/2" = 1'-0"



3 RIGHT FRAMING ELEVATION
 S-200B SCALE: 1/2" = 1'-0"



4 BACK FRAMING ELEVATION
 S-200B SCALE: 1/2" = 1'-0"



1500 CHERRY STREET
 LOUISVILLE, CO 80027
 Ph: 888.900.3933
 WWW.STUDIOSHED.COM

ISSUE DATE

REVISIONS

PRIMARY DWELLING, GUEST WING, WORKSHOP / GARAGE
 TYPE OF CONSTRUCTION
 NAME: KIM FOWLER
 ADDRESS: RIVER BLUFF DR N, DUNN, NC 28634

PREPARER OF PLANS:

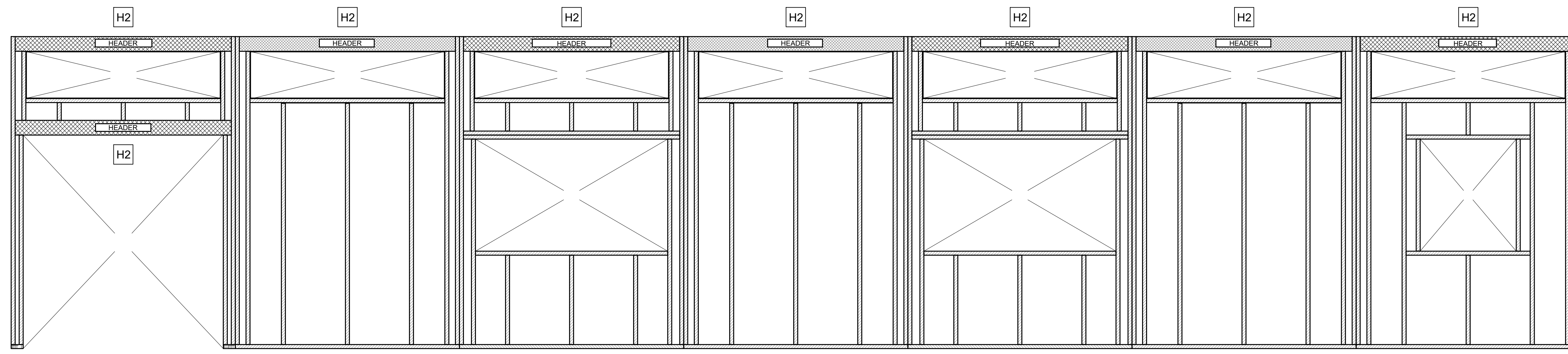
ANDREW LANGDON
 ALANGDON@STUDIOSHED.COM
 (303) 945-6973

10/09/24

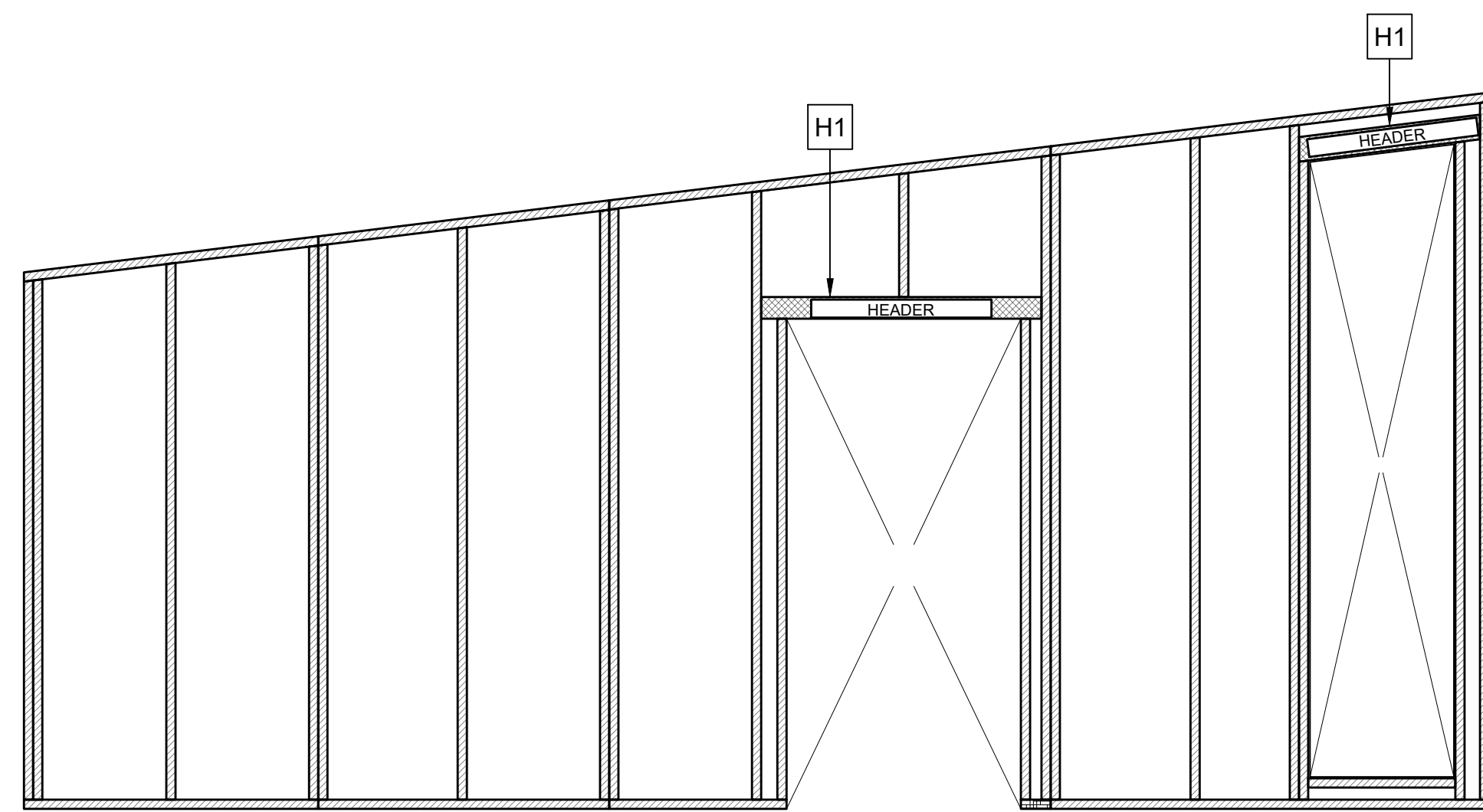


24x36
 SHEET SIZE

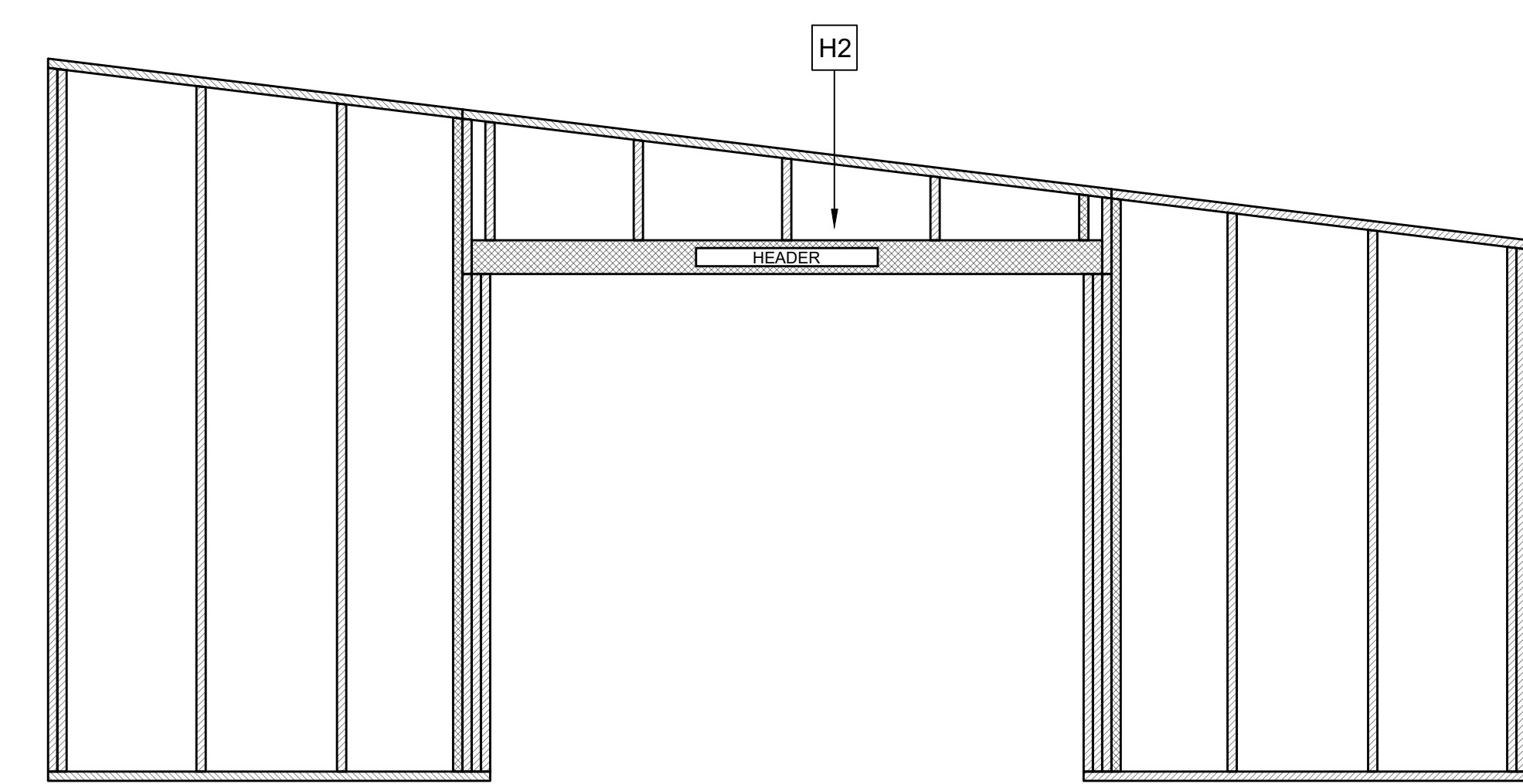
S-200B
 WALL FRAMING PLAN



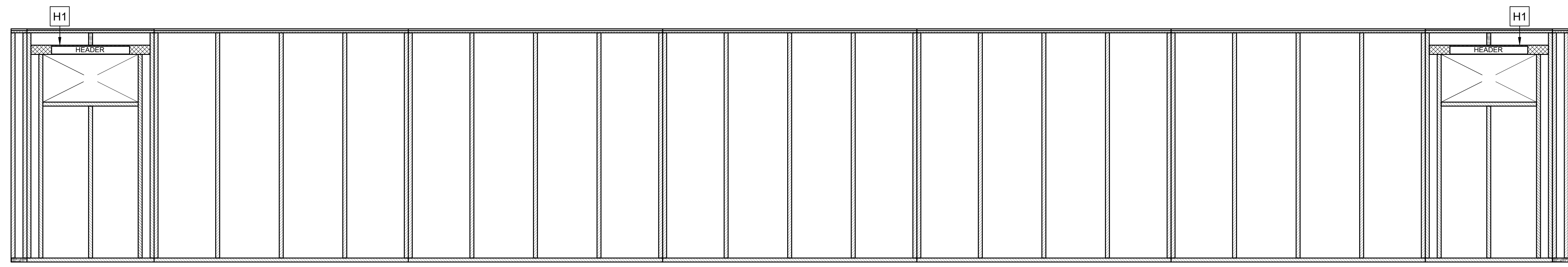
1 FRONT FRAMING ELEVATION
 S-200C SCALE: 1/2" = 1'-0"



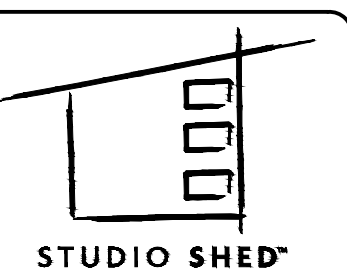
2 LEFT FRAMING ELEVATION
 S-200C SCALE: 1/2" = 1'-0"



3 RIGHT FRAMING ELEVATION
 S-200C SCALE: 1/2" = 1'-0"



4 BACK FRAMING ELEVATION
 S-200C SCALE: 1/2" = 1'-0"



1500 CHERRY STREET
 LOUISVILLE, CO 80027
 Ph: 888.900.3933
 WWW.STUDIOSHED.COM

ISSUE DATE

REVISIONS

PRIMARY DWELLING, GUEST WING, WORKSHOP / GARAGE
 TYPE OF CONSTRUCTION
 KIM FOWLER
 NAME
 RIVER BLUFF DR N
 DUNN, NC 28634
 ADDRESS

PREPARER OF PLANS:

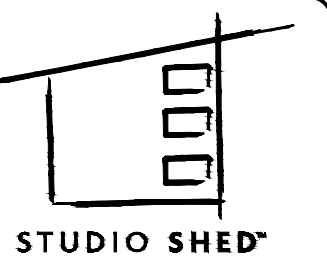
ANDREW LANGDON
 ALANGDON@STUDIOSHED.COM
 (303) 945-6973

Andrew Langdon
 10/09/24



24x36
 SHEET SIZE

S-200C
 WALL FRAMING PLAN



1500 CHERRY STREET
LOUISVILLE, CO 80027
Ph: 888.900.3933
WWW.STUDIOSHED.COM

ISSUE DATE

REVISIONS

PRIMARY DWELLING, GUEST WING, WORKSHOP / GARAGE
TYPE OF CONSTRUCTION
KIM FOWLER
NAME
RIVER BLUFF DR N
DUNN, NC 28634
ADDRESS

PREPARER OF PLANS:

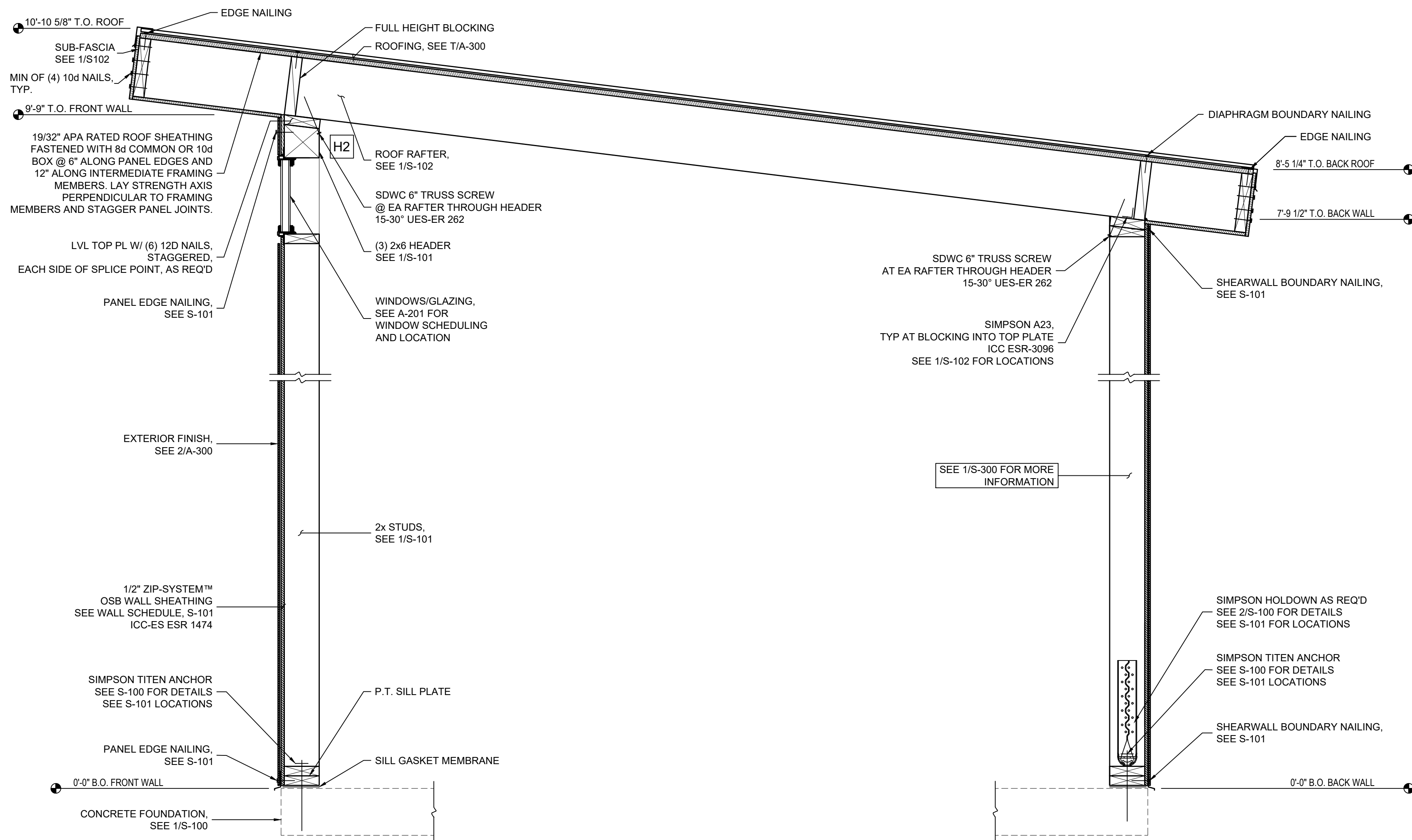
ANDREW LANGDON
ALANGDON@STUDIOSHED.COM
(303) 945-6973

10/09/24



24x36
SHEET SIZE

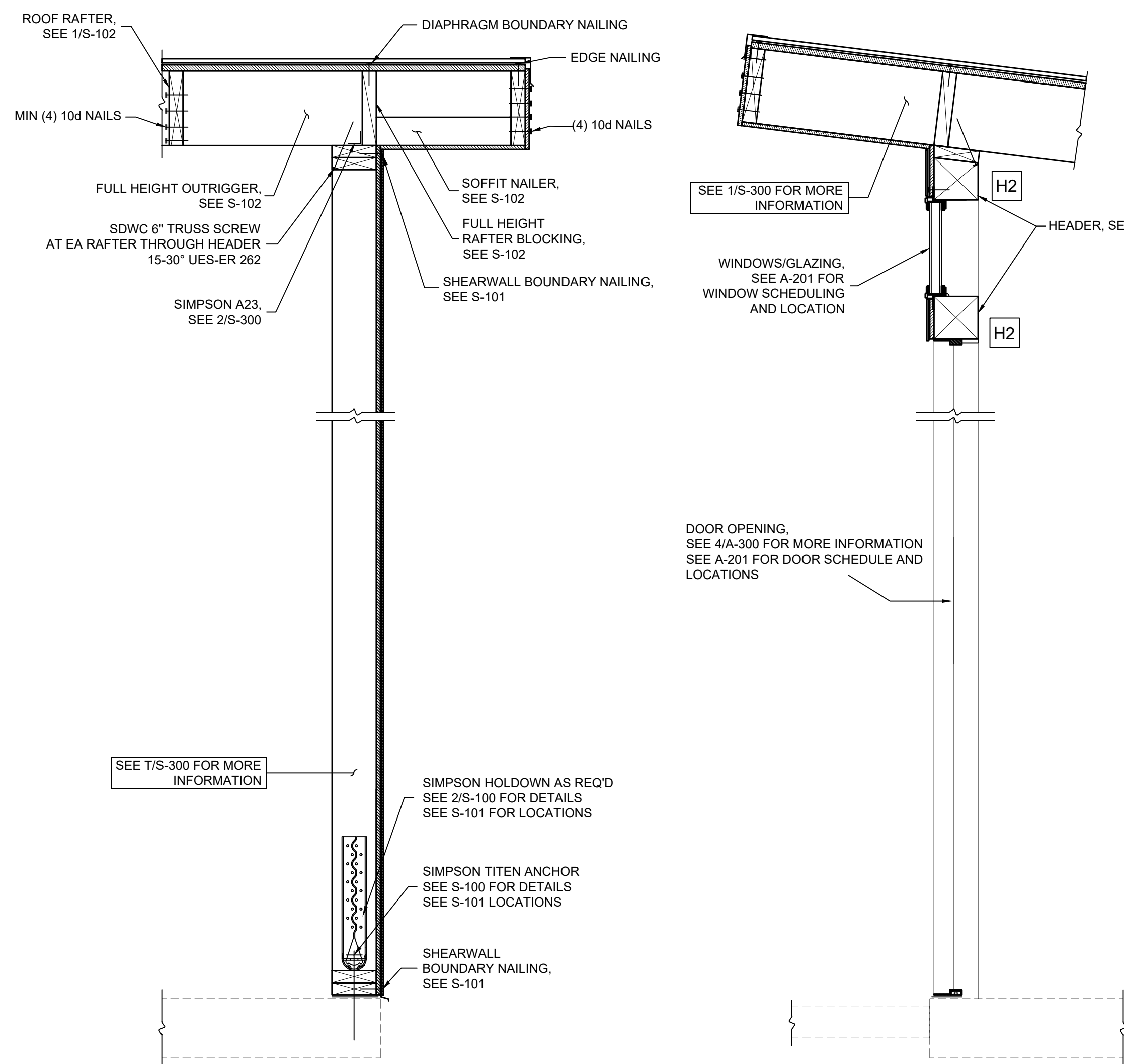
S-300
BUILDING SECTIONS



1 FRONT WALL SECTION
S-300 SCALE: 1" = 1'-0"

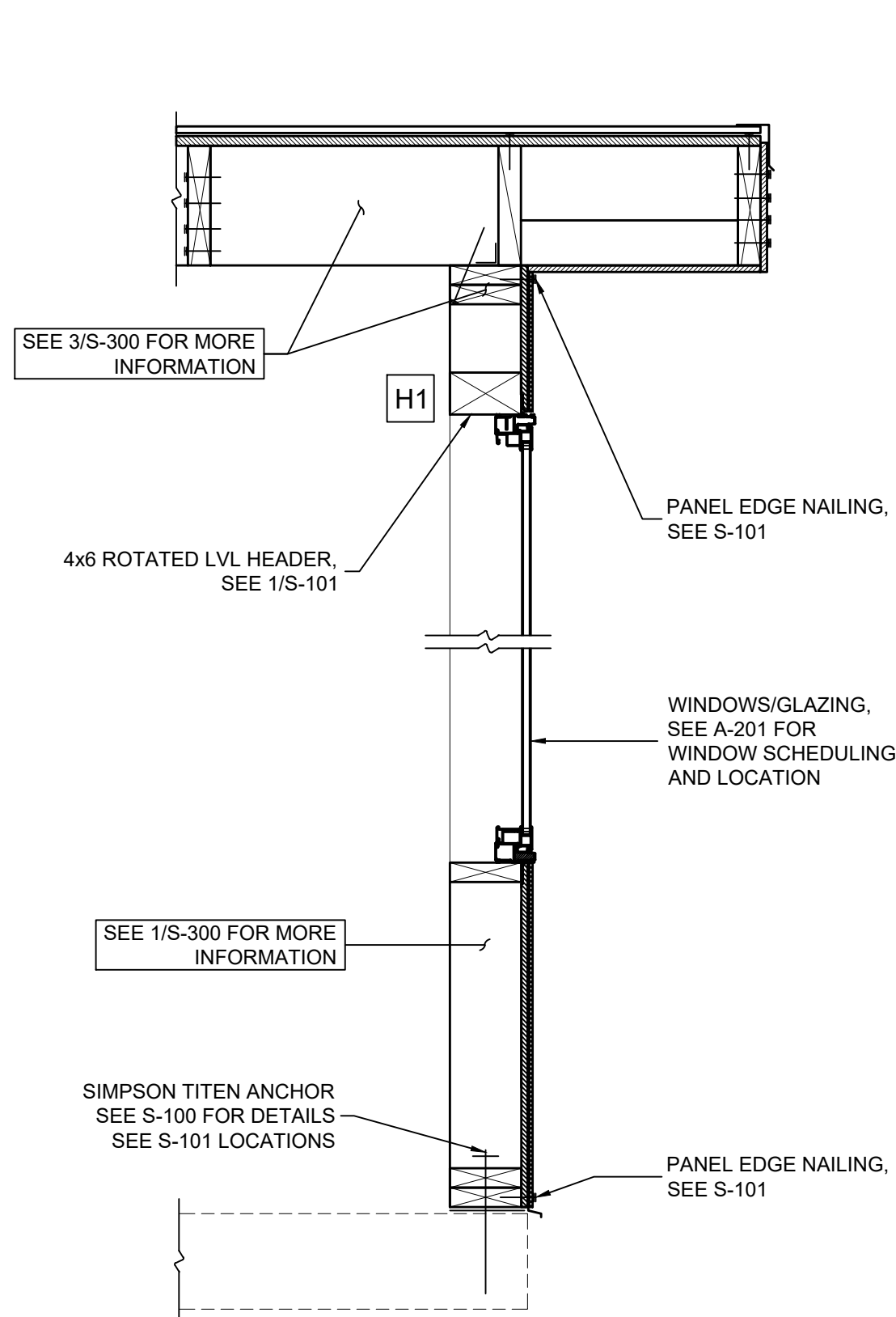
T TRANSVERSE SECTION
S-300 SCALE: 1" = 1'-0"

2 BACK WALL SECTION
S-300 SCALE: 1" = 1'-0"

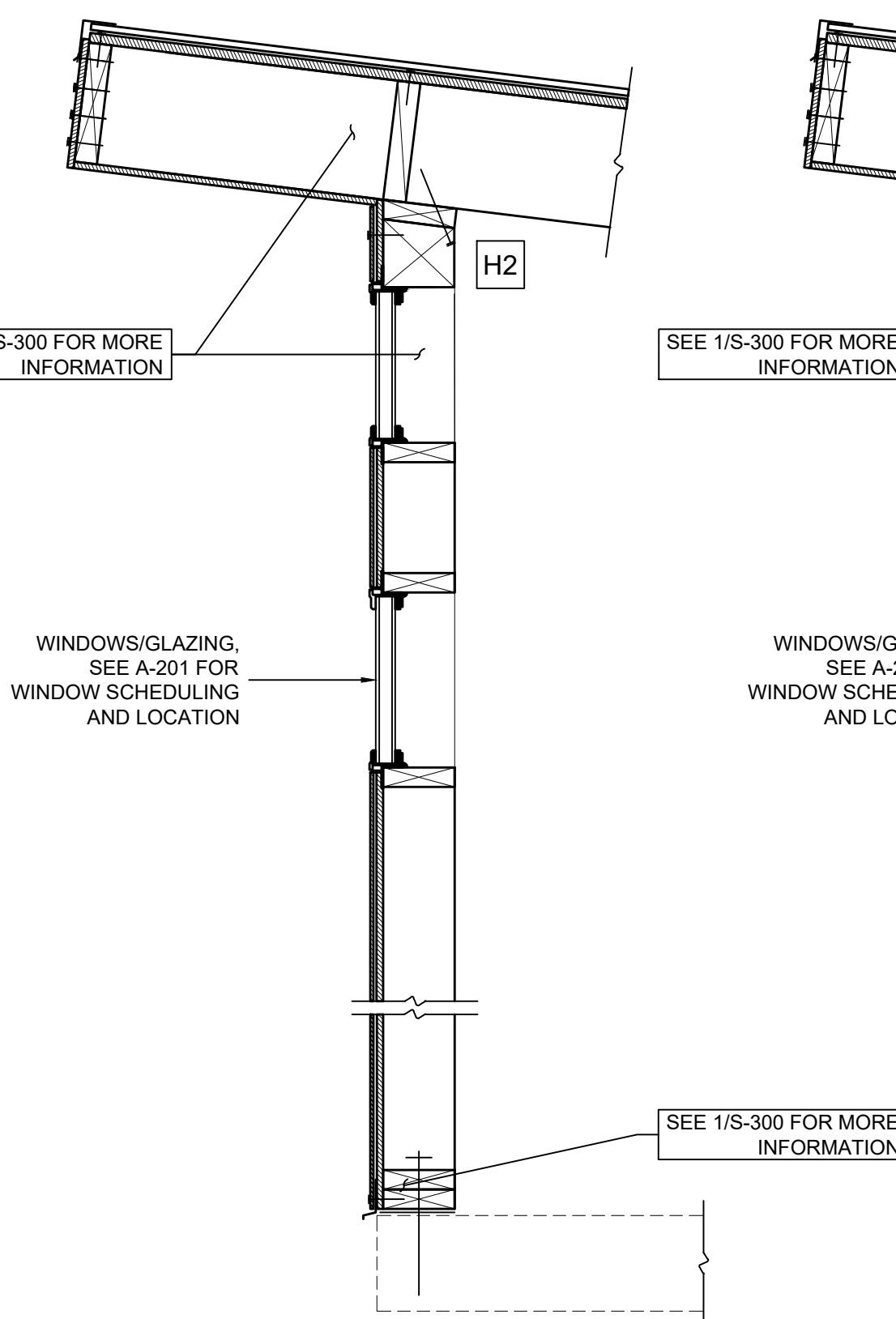


3 RAKE WALL SECTION
S-300 SCALE: 1" = 1'-0"

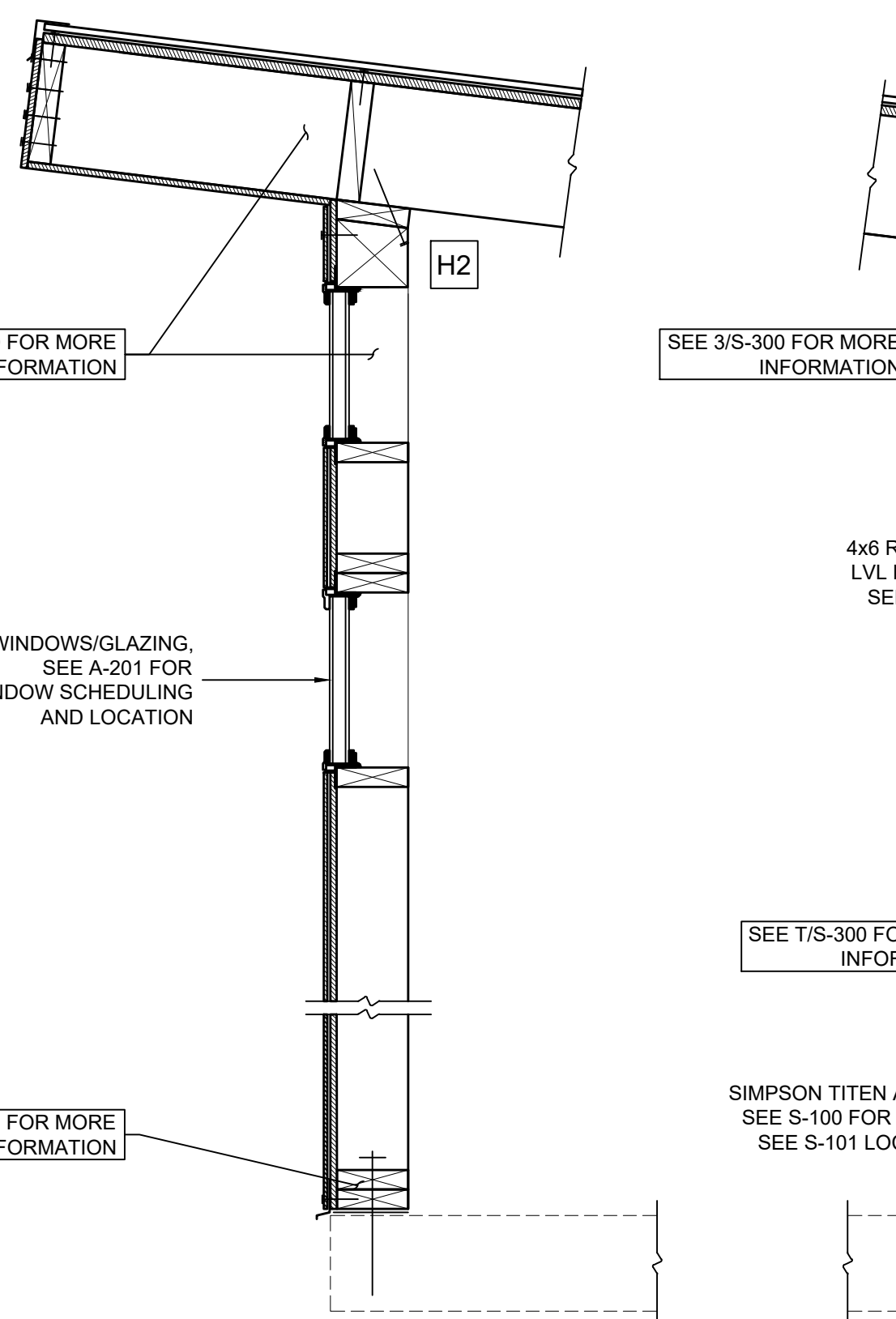
4 FRONT WALL SECTION AT 72" DOOR
S-300 SCALE: 1" = 1'-0"



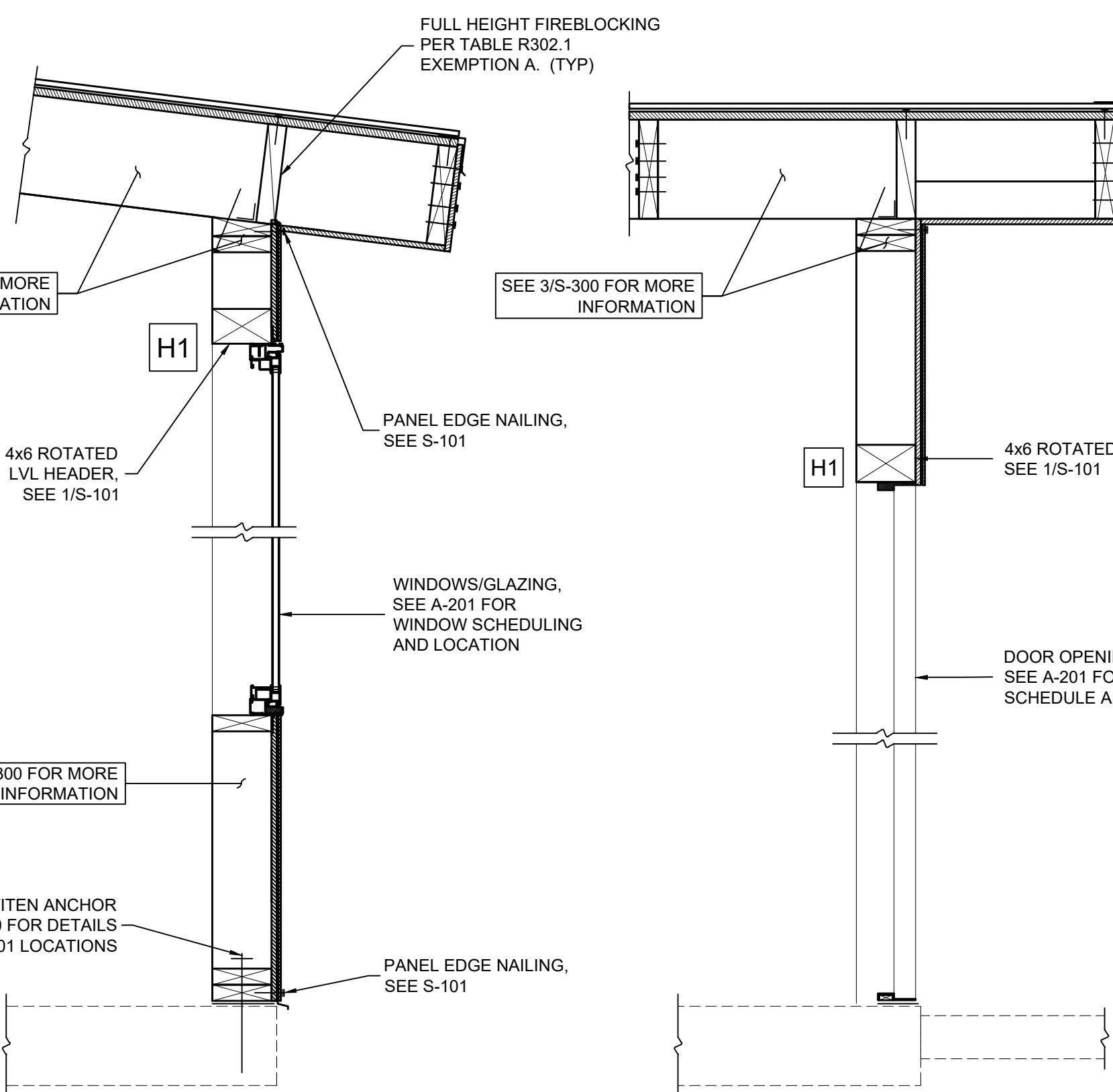
5 TYP WALL SECTION WITH WINDOW
S-300 SCALE: 1" = 1'-0"



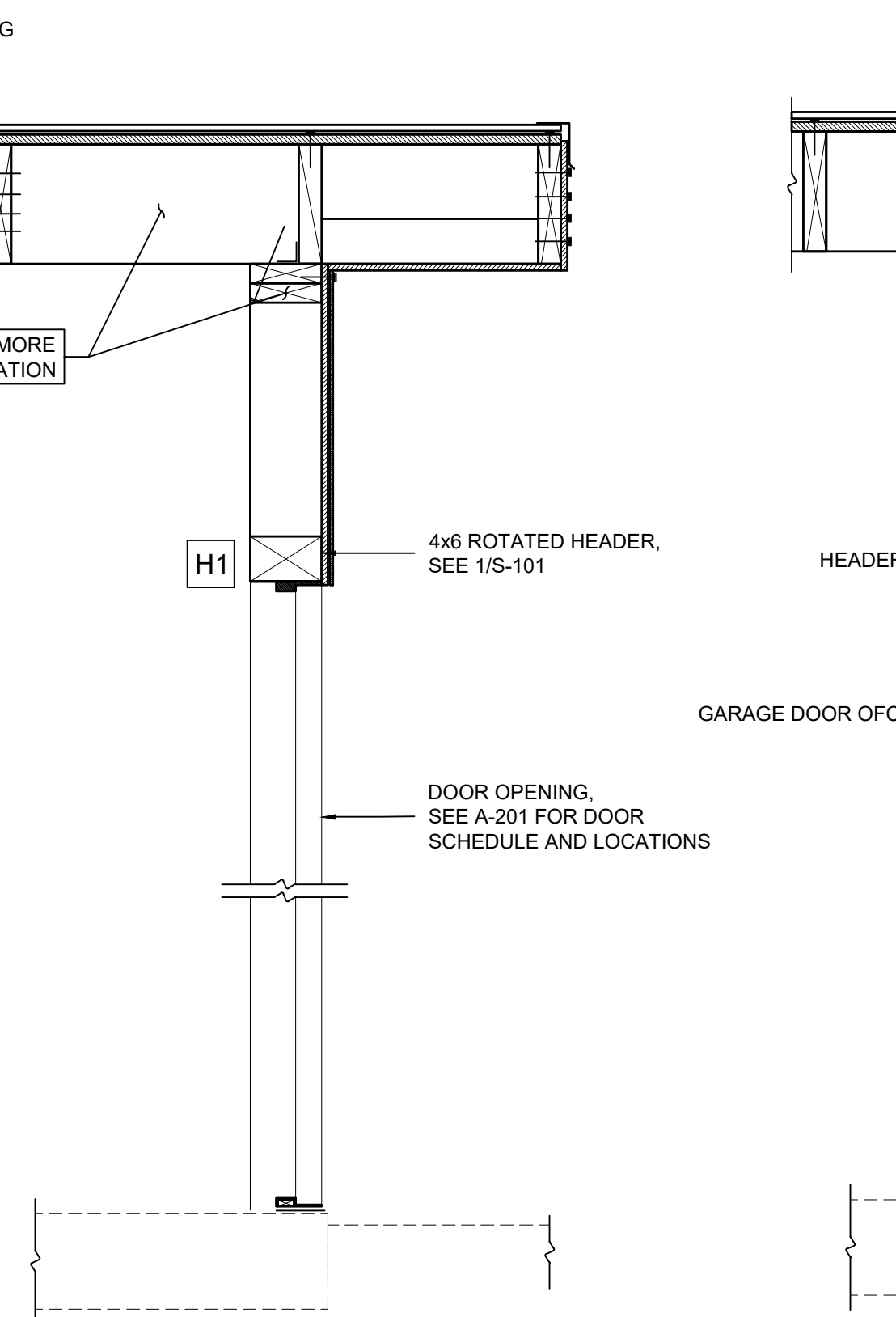
6 FRONT WALL SECTION WITH WINDOW
S-300 SCALE: 1" = 1'-0"



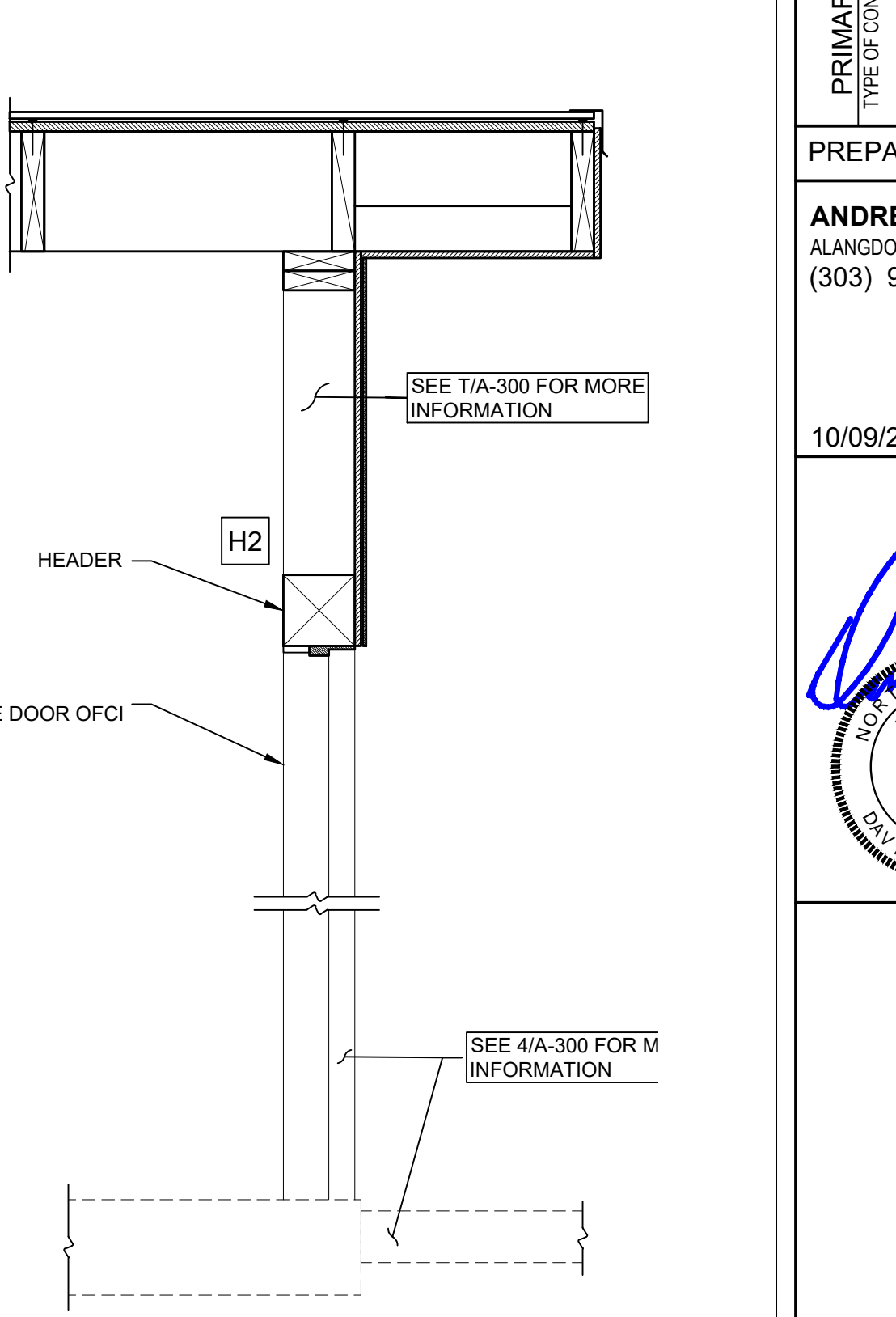
7 FRONT WALL SECTION WITH GLIDER WINDOW
S-300 SCALE: 1" = 1'-0"



8 REAR WALL SECTION WITH WINDOW
S-300 SCALE: 1" = 1'-0"



9 TYP WALL SECTION WITH DOOR
S-300 SCALE: 1" = 1'-0"



10 GARAGE DOOR
A-300 SCALE: 1" = 1'-0"