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	BUIDLING 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

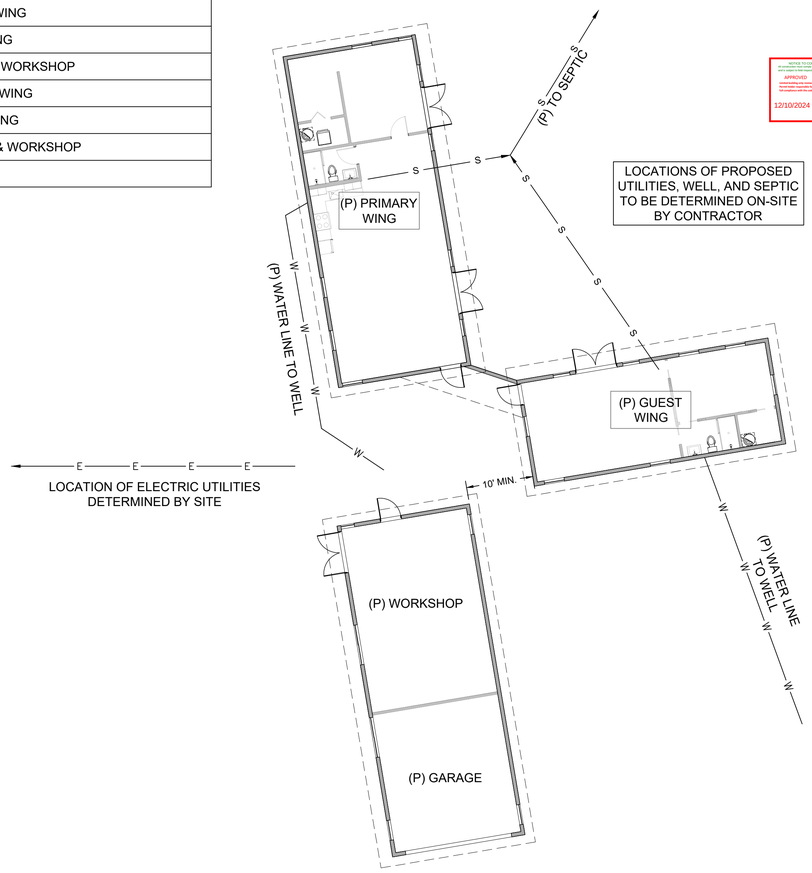
CONSTRUCTION TYPE: V-B

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

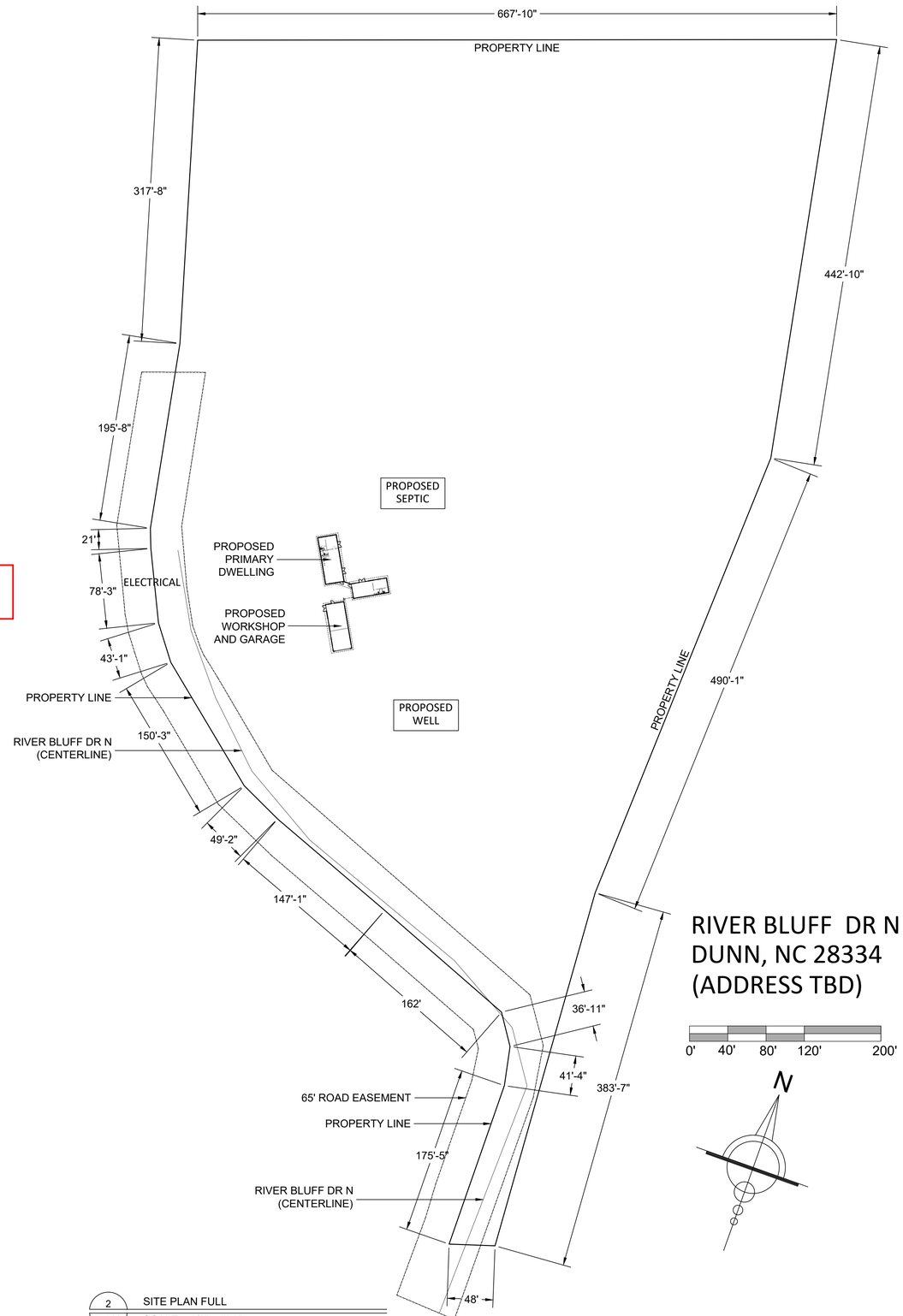
PROJECT NOTES:

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
A-000 SCALE: 1/8" = 1'-0"

0 25 50



2 SITE PLAN FULL
A-000 SCALE: 1/8" = 1'-0"

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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:

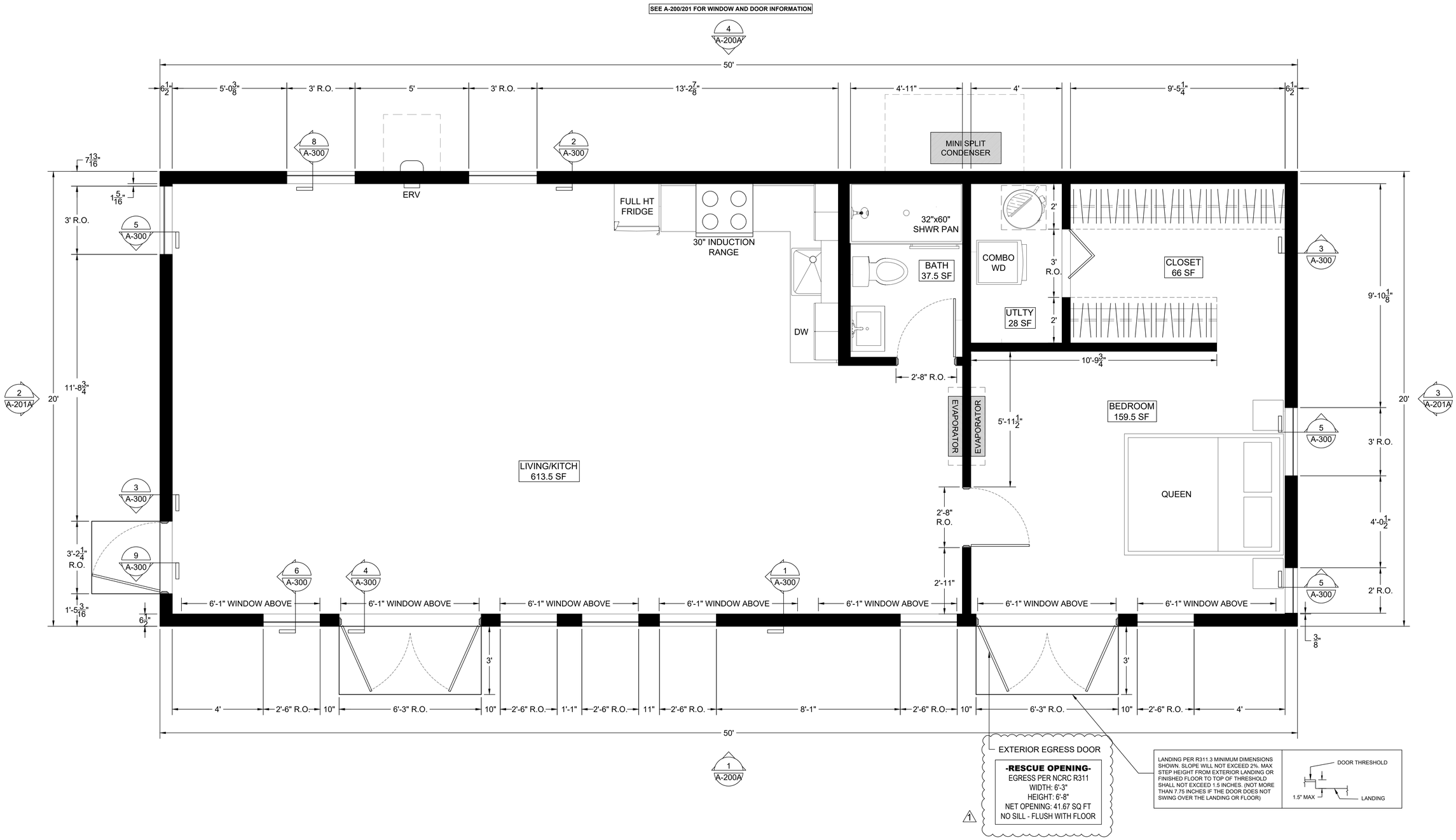
ANDREW LANGDON
ALANGDON@STUDIOSHED.COM
(303) 945-6973

10/09/24

24x36
SHEET SIZE

A-000
COVER

SEE A-200/201 FOR WINDOW AND DOOR INFORMATION



EXTERIOR EGRESS DOOR

-RESCUE OPENING-
EGRESS PER NCRC R311
WIDTH: 6'-3"
HEIGHT: 6'-8"
NET OPENING: 41.67 SQ FT
NO SILL - FLUSH WITH FLOOR

1

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

0 5 10

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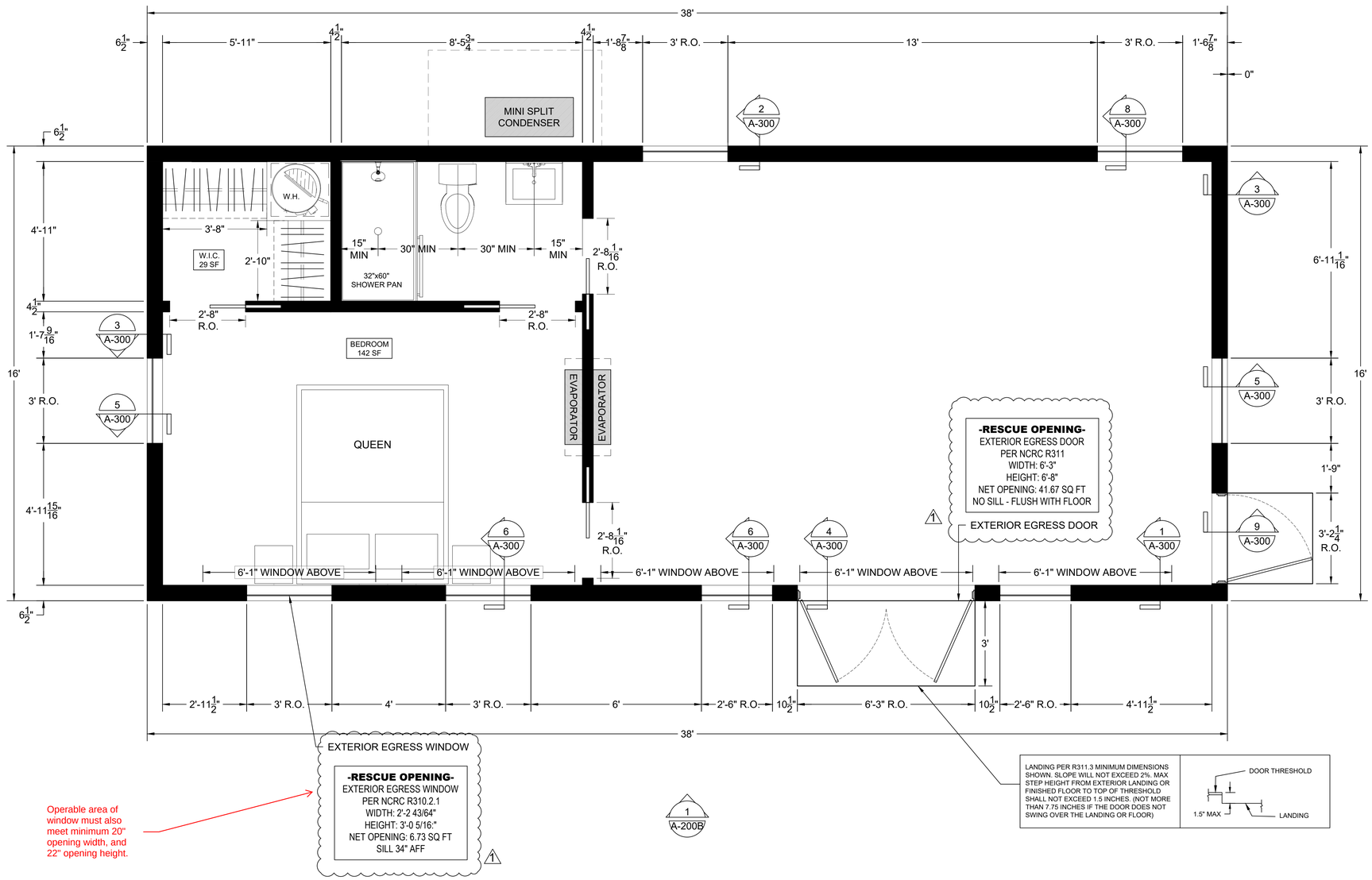
12/04/24

24x36
SHEET SIZE

A-100A
FIRST FLOOR PLAN

SEE A-200/201 FOR WINDOW AND DOOR INFORMATION



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

0 5 10

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12/04/24

24x36
SHEET SIZE

A-100B
FIRST FLOOR PLAN

SEE A-200/201 FOR WINDOW AND DOOR INFORMATION

4 A-200C

50'

1'-0 3/8" | 3' R.O. | 23'-8 13/16" | 16'-8 15/16" | 3' R.O. | 1'-0 3/8" | 6 1/2"

6 1/2"

8 A-300 | 2 A-300

MINI SPLIT CONDENSER

EVAPORATOR

FIRE-RATED GARAGE WALL WITH 5/8" 'TYPE-X' DRYWALL

WORKSHOP 525 SF

1-CAR GARAGE

3 S-300

11 A-300

5'-5 1/2"

9'-9 3/8"

20'

2 A-201C

3 A-300

3'-2 1/4" R.O.

9 A-300

3'-11"

2' R.O.

5 A-300

4 A-300

1 A-300

7 A-300

6'-1" WINDOW ABOVE | 6'-1" WINDOW ABOVE | 6'-1" WINDOW ABOVE | 6'-1" WINDOW ABOVE | 6'-1" WINDOW ABOVE | 6'-1" WINDOW ABOVE | 6'-1" WINDOW ABOVE

6 7/8" | 3 13/16" | 3' | 3 5/8"

18'-11" | 8' R.O. | 20' | 3 A-201C

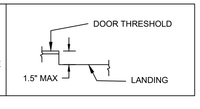
5'-5 1/2"

6 1/2"

6'-3" R.O. | 7'-10 1/2" | 6' R.O. | 7'-3 7/8" | 6' R.O. | 9'-6 5/16" | 3' R.O. | 1'-11 5/16"

50'

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 A-200C

1 A-100C FIRST FLOOR PLAN

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

0 5 10

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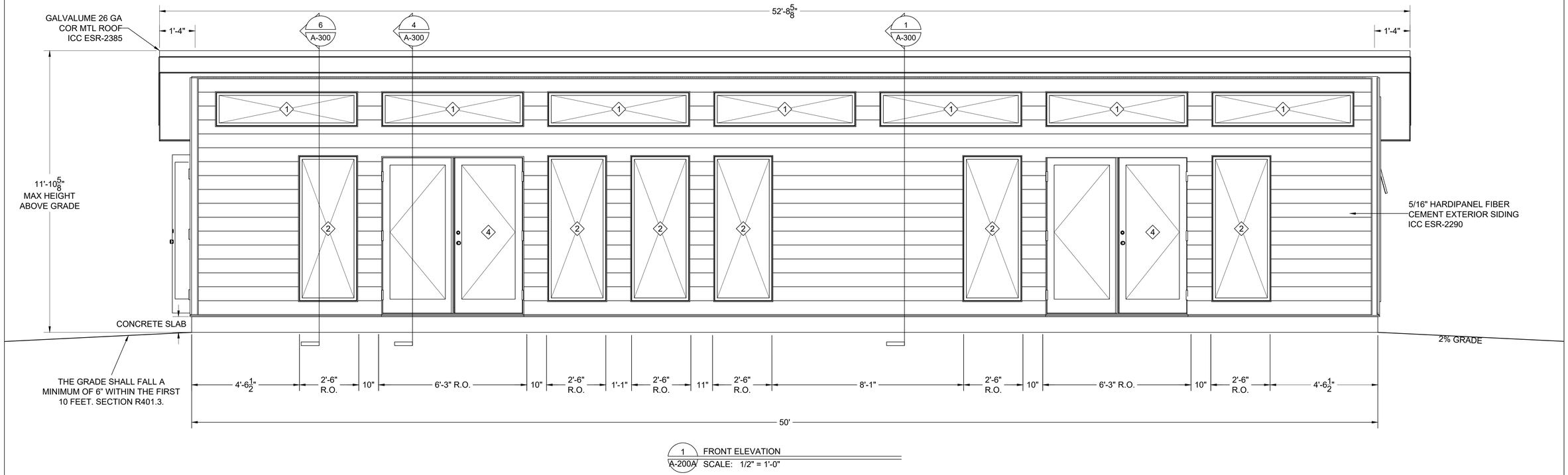
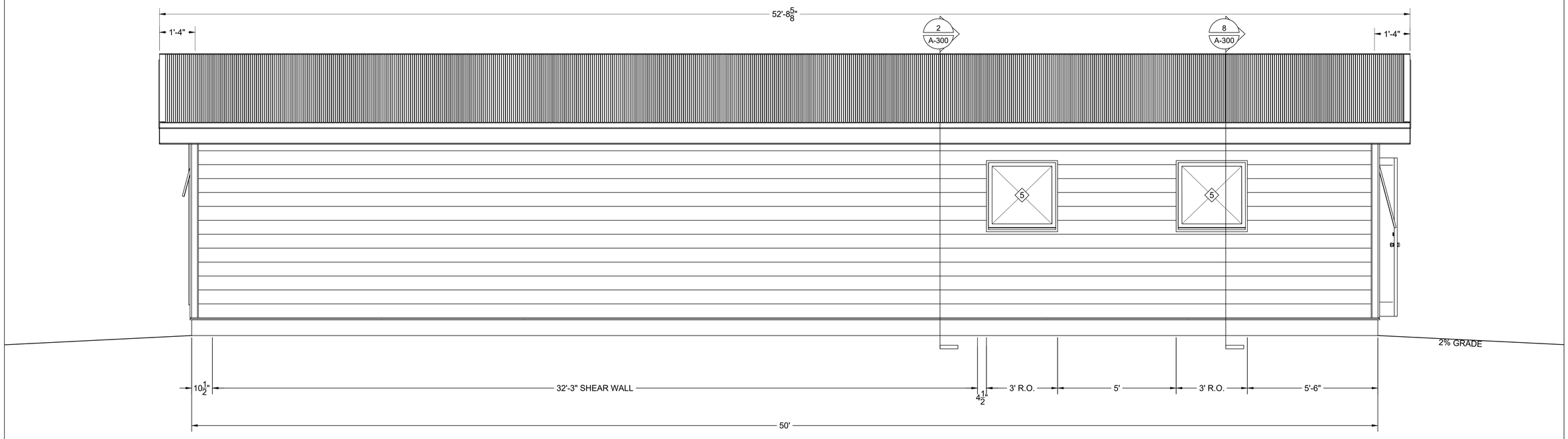
10/09/24

24x36
SHEET SIZE

A-100C
FIRST FLOOR PLAN



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



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

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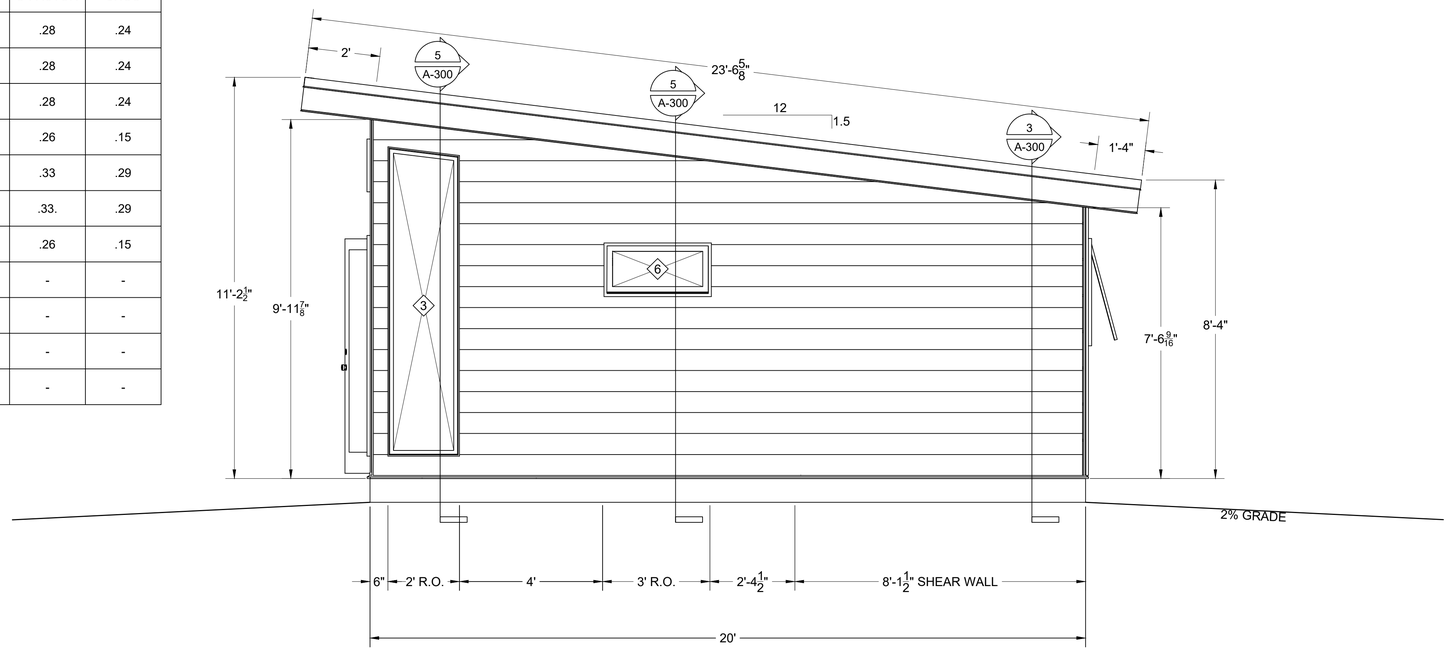
24x36
SHEET SIZE

A-200A
BUILDING ELEVATIONS

WINDOW AND DOOR SCHEDULE - PRIMARY DWELLING (A)

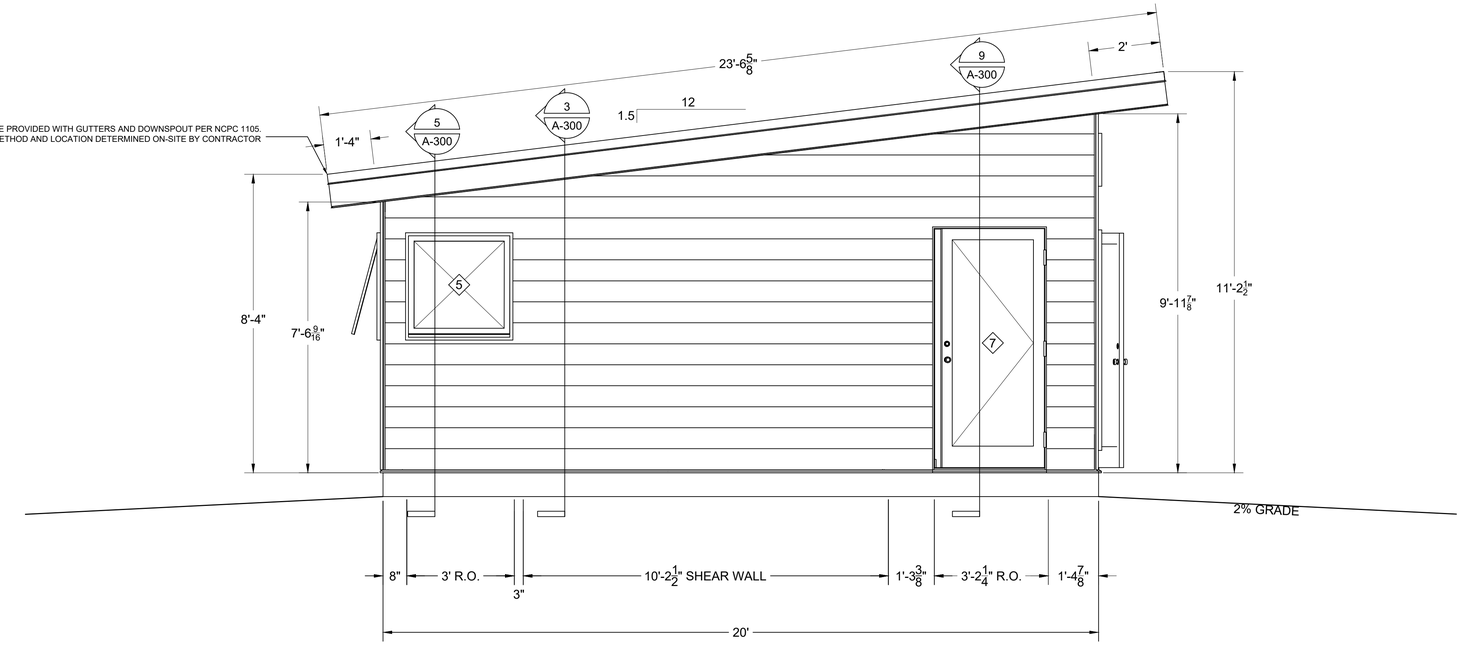
NO.	SIZE (WIDTH x HEIGHT)	FRAME	QTY	LOCATION	DESCRIPTION	MAKE / MODEL	U-FACTOR	SHGC
1	6'-1" x 1'-5 3/4"	FIBERGLASS	7	FRONT ELEVATION	FIXED, DOUBLE PANE, LOW-E	MARVIN ESSENTIALS	.28	.24
2	2'-6" x 6'-2"	FIBERGLASS	6	FRONT ELEVATION	FIXED, DOUBLE PANE, LOW-E, TEMPERED	MARVIN ESSENTIALS	.28	.24
3	2'-0" x 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"

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



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

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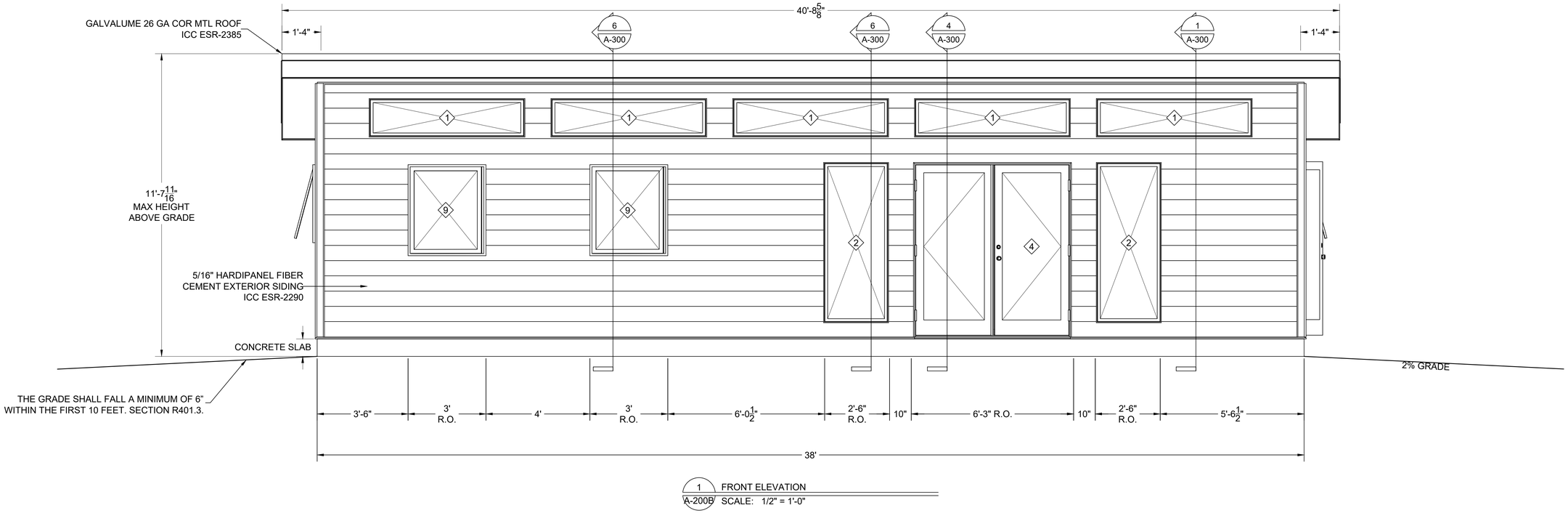
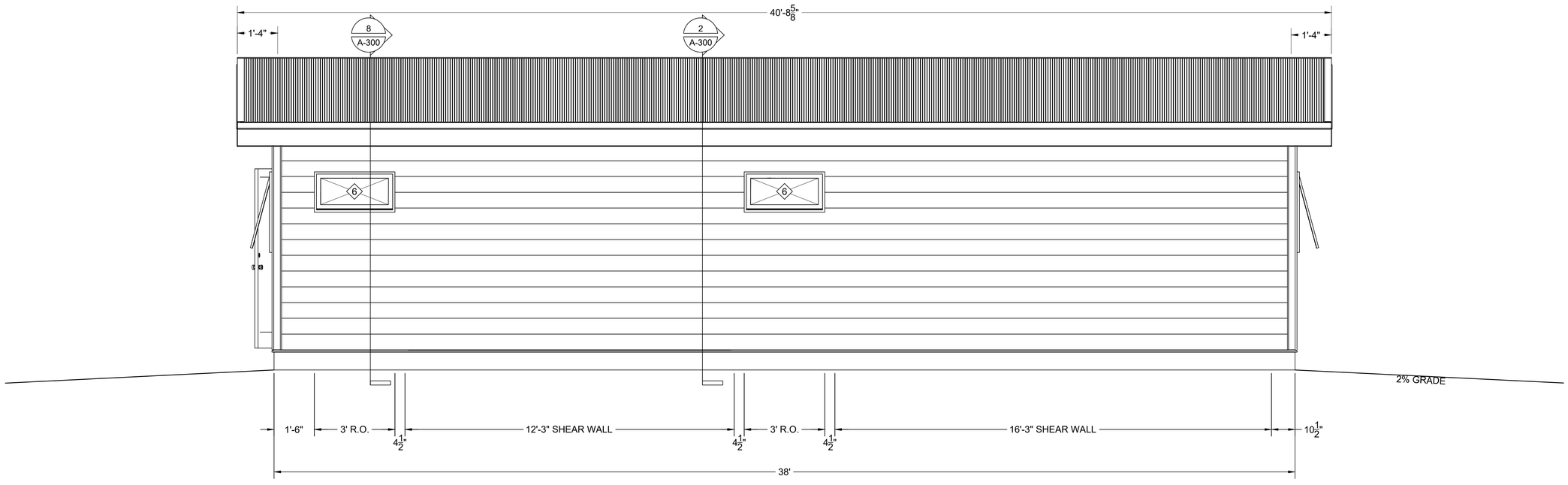
24x36
SHEET SIZE

A-201A
BUILDING ELEVATIONS



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



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

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10/09/24

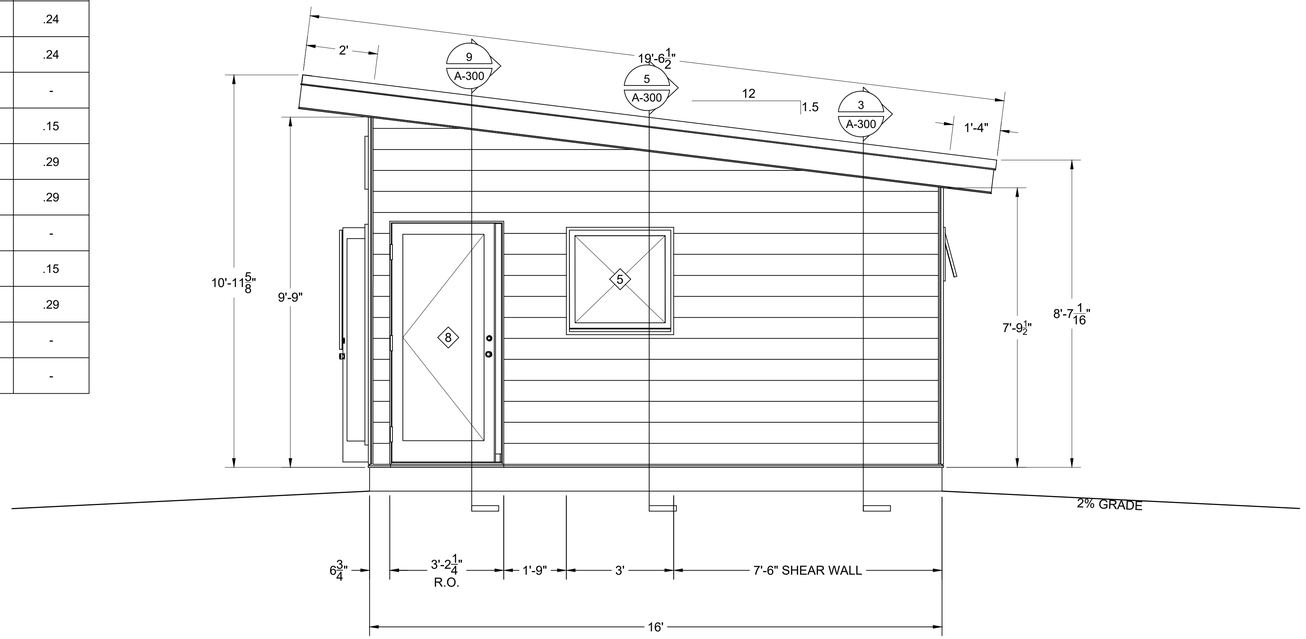
24x36
SHEET SIZE

A-200B
BUILDING ELEVATIONS

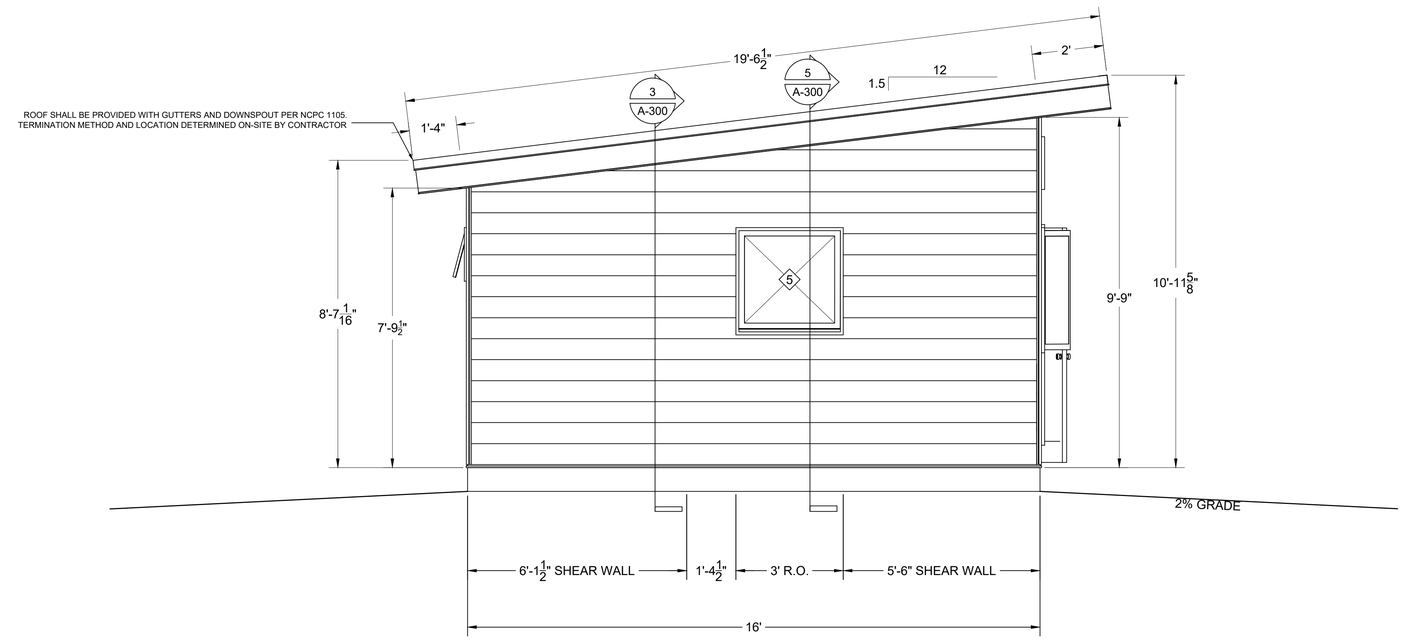
WINDOW AND DOOR SCHEDULE - GUEST WING (B)

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"



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

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10/09/24

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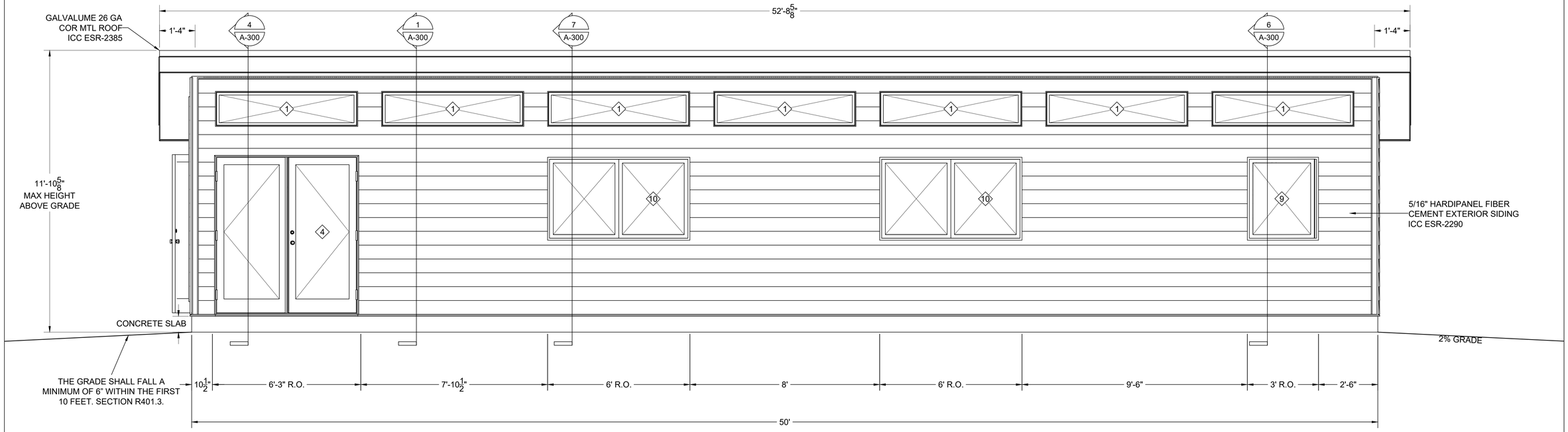
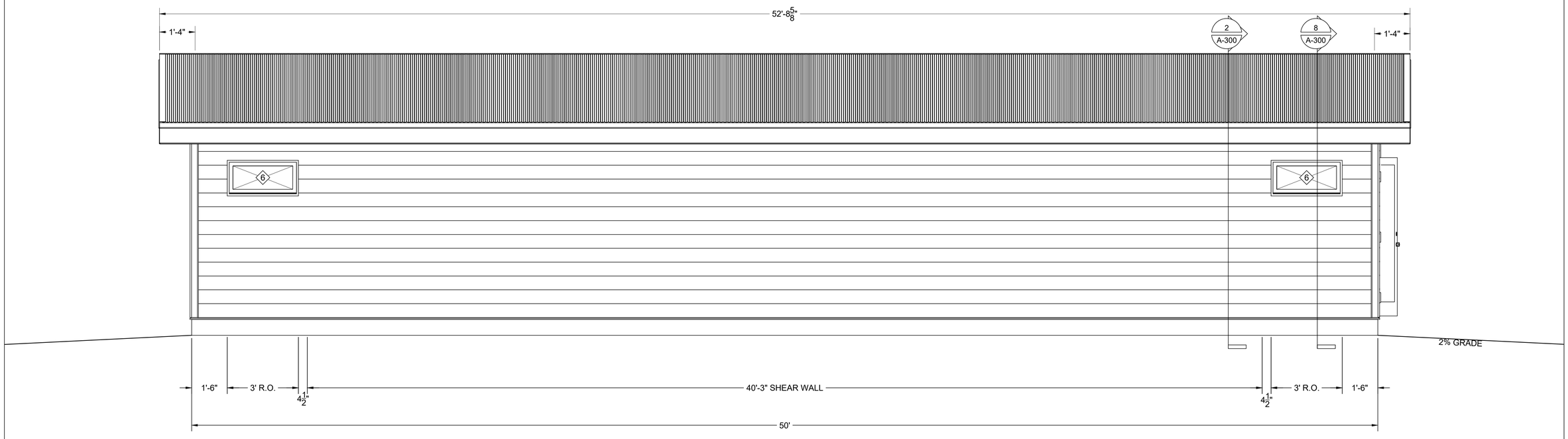
SHEET SIZE

A-201B
BUILDING ELEVATIONS



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



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

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10/09/24

24x36
SHEET SIZE

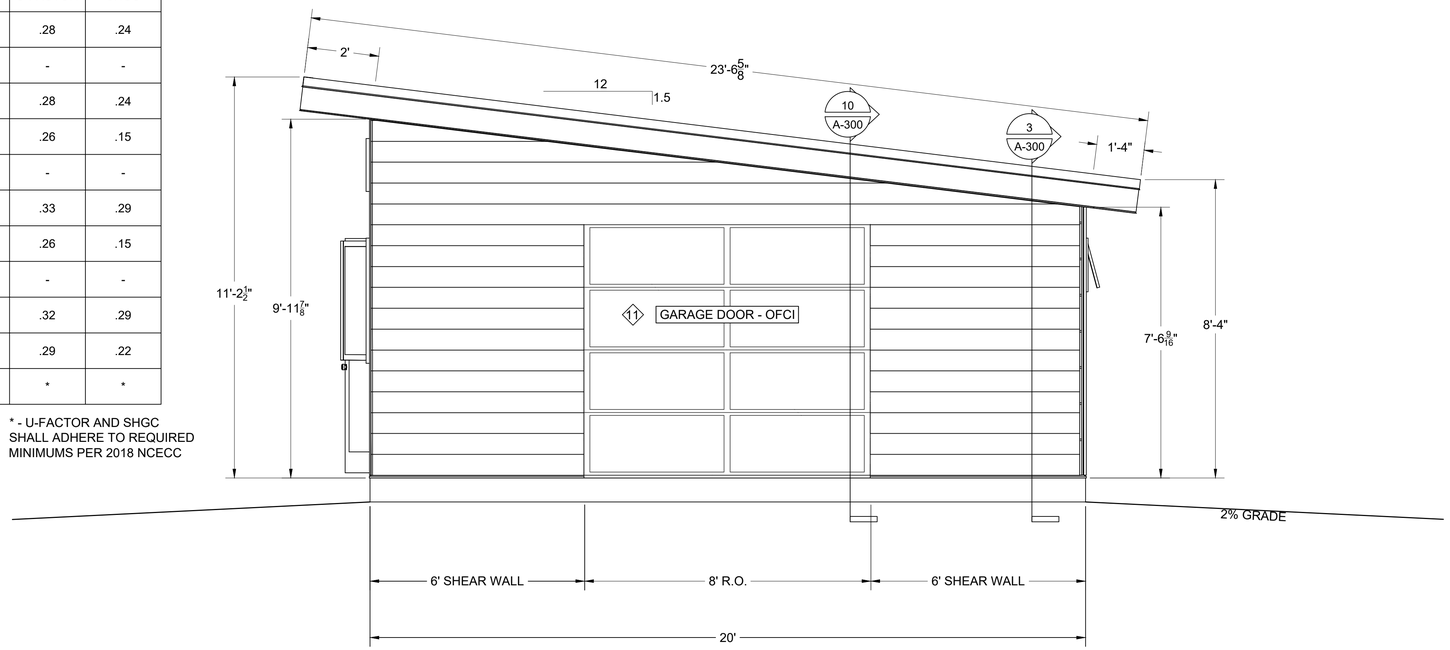
A-200C
BUILDING ELEVATIONS

WINDOW AND DOOR SCHEDULE - WORKSHOP & GARAGE (C)

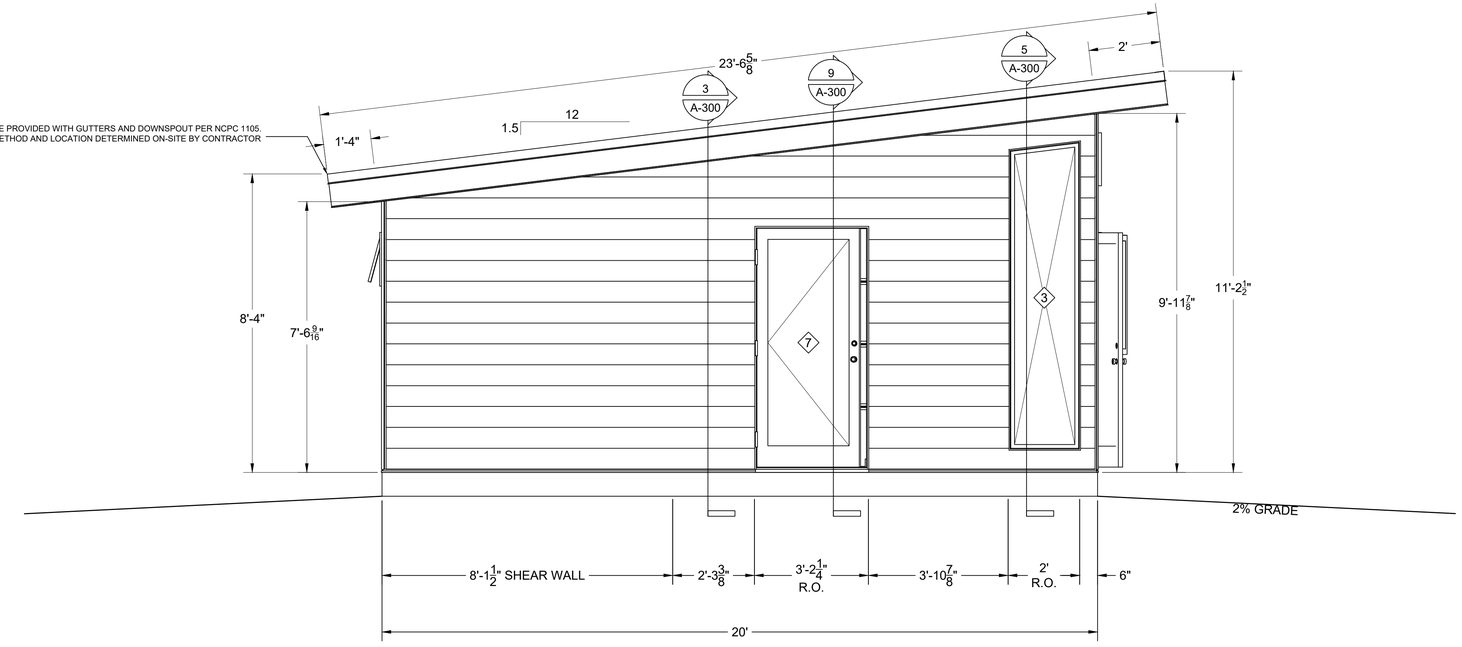
NO.	SIZE (WIDTH x HEIGHT)	FRAME	QTY	LOCATION	DESCRIPTION	MAKE / MODEL	U-FACTOR	SHGC
1	6'-1" x 1'-5 3/4"	FIBERGLASS	7	FRONT ELEVATION	FIXED, DOUBLE PANE, LOW-E	MARVIN ESSENTIALS	.28	.24
2	2'-6" x 6'-2"	FIBERGLASS	0	-	-	-	-	-
3	2'-0" x 8'-7 3/4"	FIBERGLASS	1	LEFT ELEVATION	FIXED, DOUBLE PANE, LOW-E, TEMPERED	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"



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

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REVISIONS

PRIMARY DWELLING, GUEST WING, WORKSHOP / GARAGE
TYPE OF CONSTRUCTION

KIM FOWLER
NAME

RIVER BLUFF DR N
DUNN, NC 28334
ADDRESS

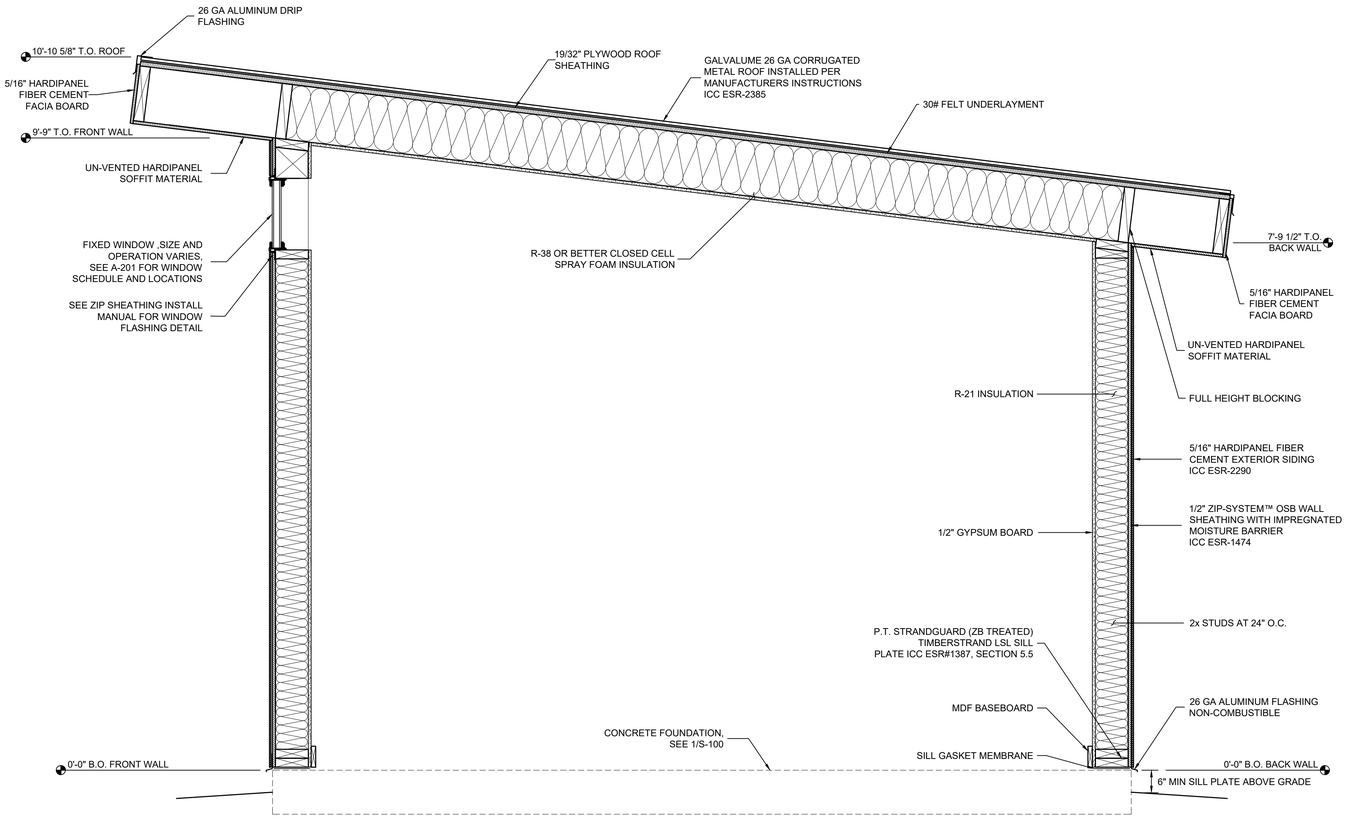
PREPARER OF PLANS:

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

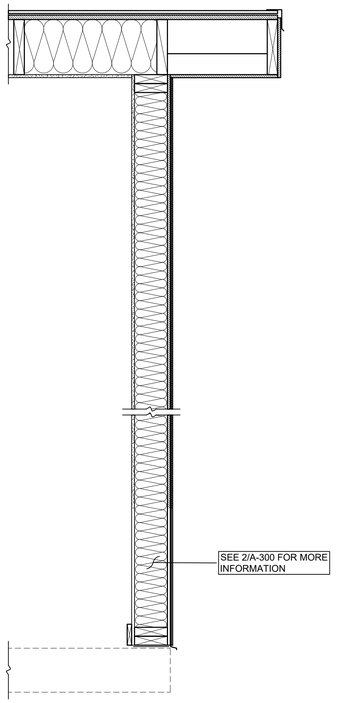
10/09/24

24x36
SHEET SIZE

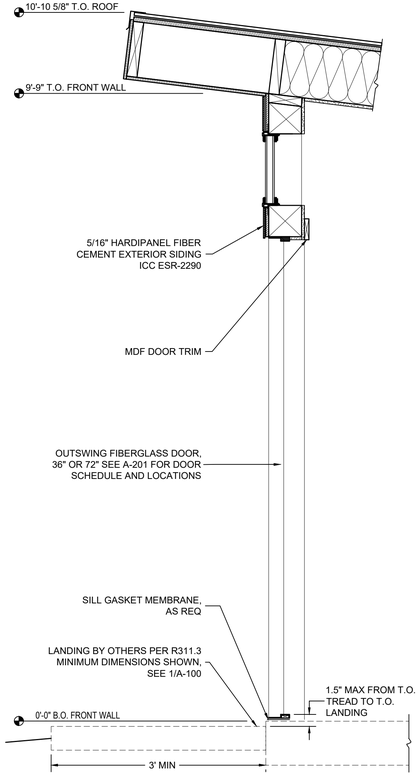
A-201C
BUILDING ELEVATIONS



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



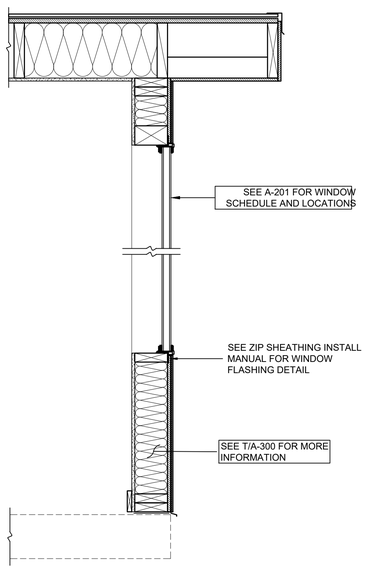
T A-300 TRANSVERSE SECTION
SCALE: 1" = 1'-0"



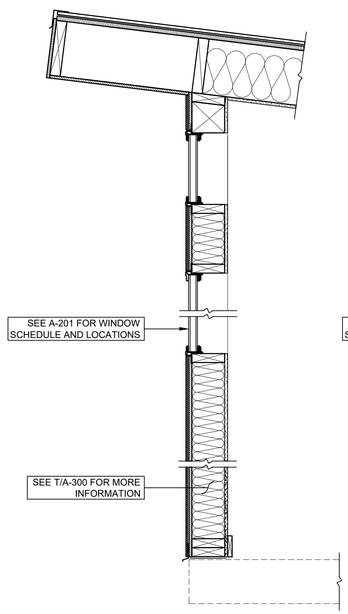
2 A-300 BACK WALL SECTION
SCALE: 1" = 1'-0"

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

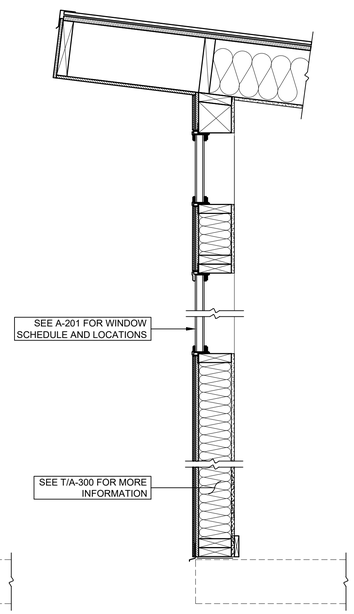
4 A-300 FRONT WALL SECTION AT 72" DOOR
SCALE: 1" = 1'-0"



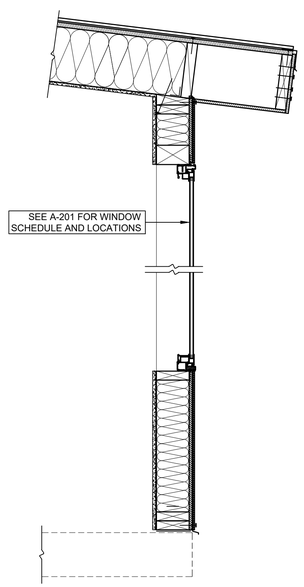
5 A-300 TYP WALL SECTION WITH WINDOW
SCALE: 1" = 1'-0"



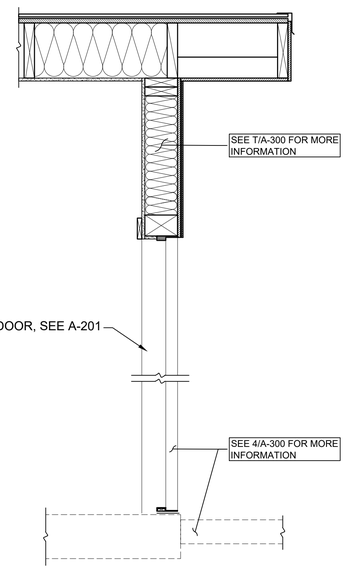
6 A-300 FRONT WALL SECTION WITH WINDOW
SCALE: 1" = 1'-0"



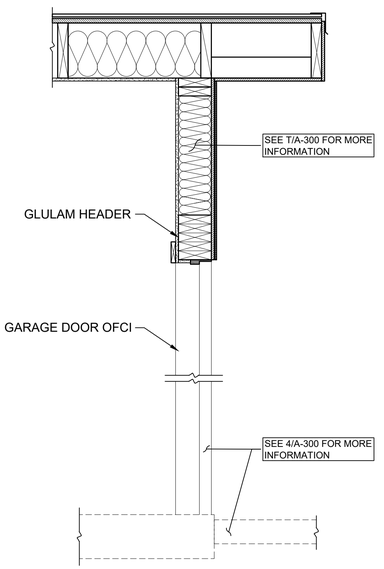
7 A-300 FRONT WALL SECTION WITH GLIDER WINDOW
SCALE: 1" = 1'-0"



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



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



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

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A-300
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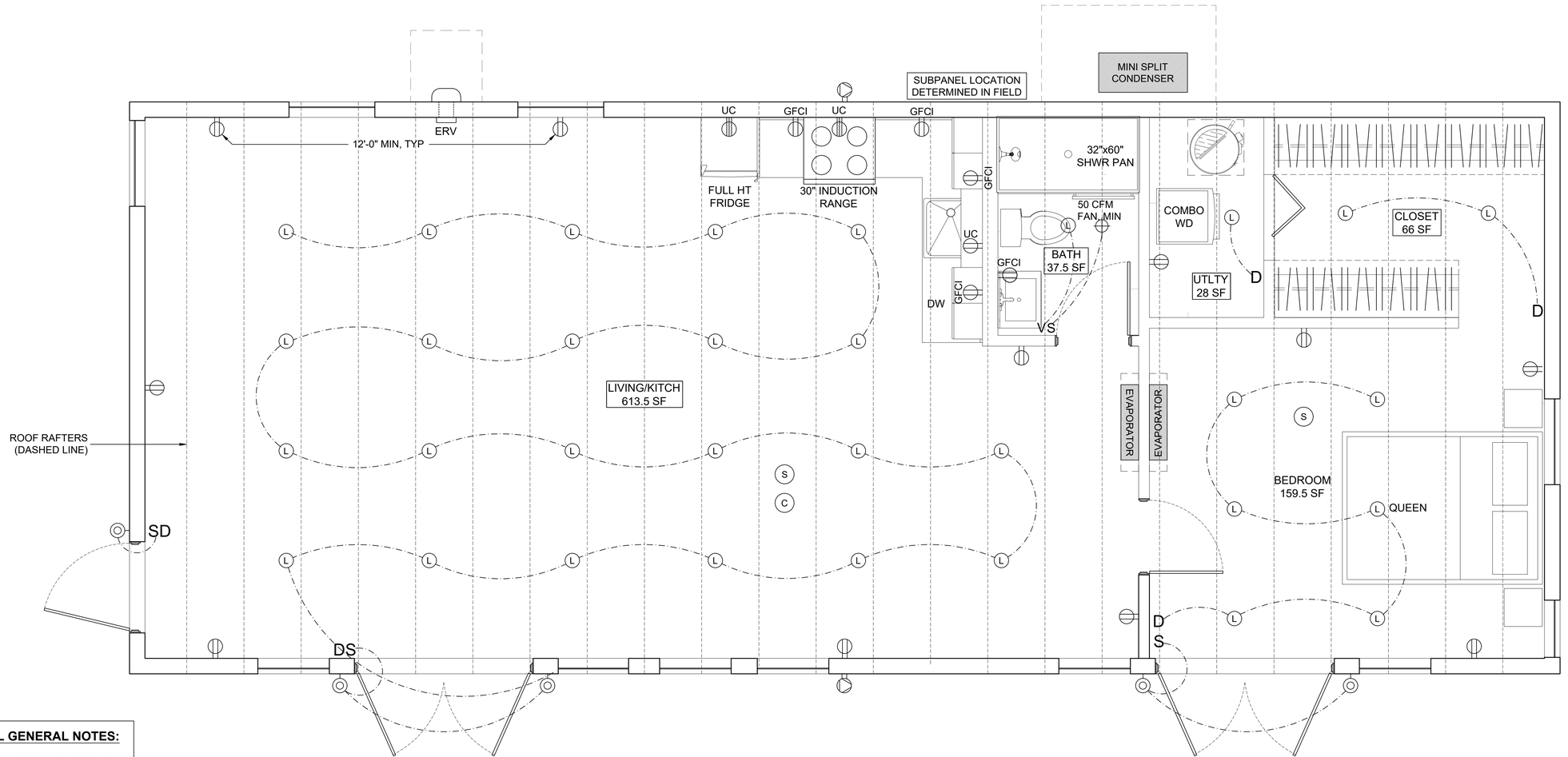

1 ELECTRICAL PLAN
E-100A SCALE: 1/2" = 1'-0"

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.

(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	(S) SMOKE ALARM R314 / (C) CARBON MONOXIDE ALARM R315

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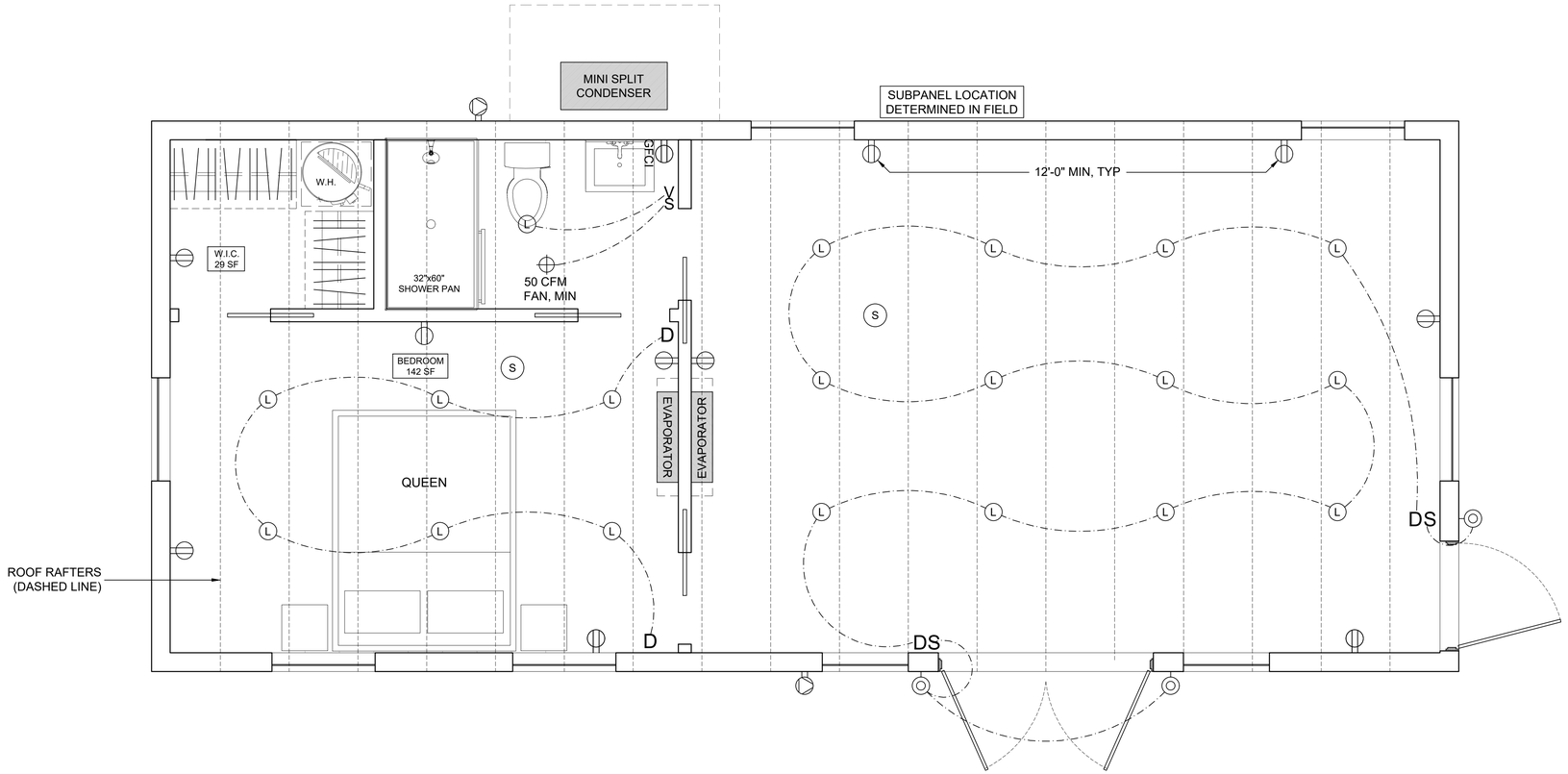
E-100A
ELECTRICAL PLAN



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

ELECTRICAL GENERAL NOTES:

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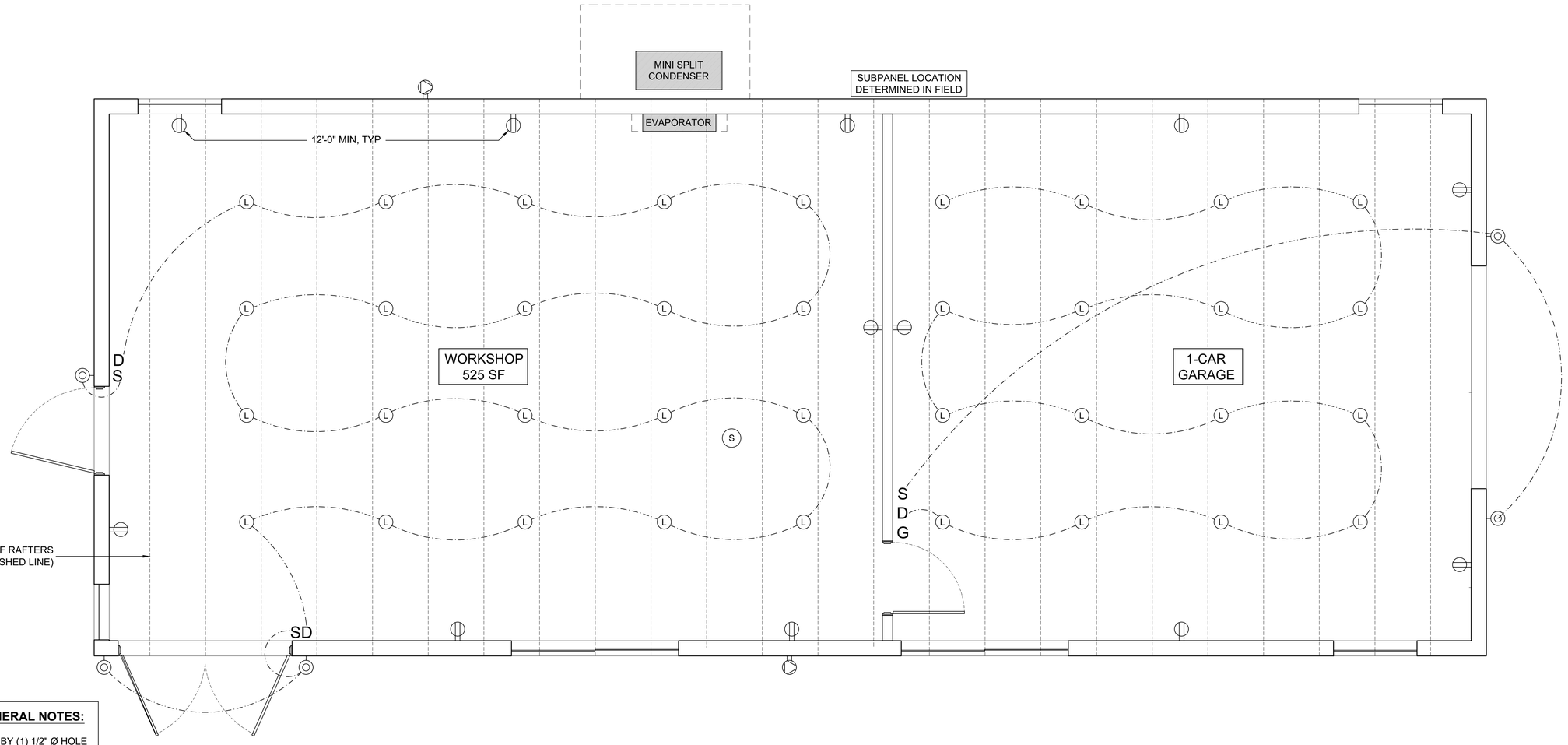
ELECTRICAL PLAN



1 ELECTRICAL PLAN
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24x36
SHEET SIZE

E-100C
ELECTRICAL PLAN

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 F'C, PSI	W/C	SLUMP, MAXIMUM	ENTRAINED AIR, PERCENT	CEMENT	ADMIXTURES,
INTENDED USE	28 DAY	RATIO	AGGREGATE	(+/- 1") (+/- 1.5%)	TYPE	COMMENTS
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 AWPA U1 AND AEPA 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_{DS}, 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							

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ISSUE DATE

REVISIONS

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

PREPARER OF PLANS:

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10/09/24

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045386 10/14/2024 DAVID M SPARKS

24x36
SHEET SIZE

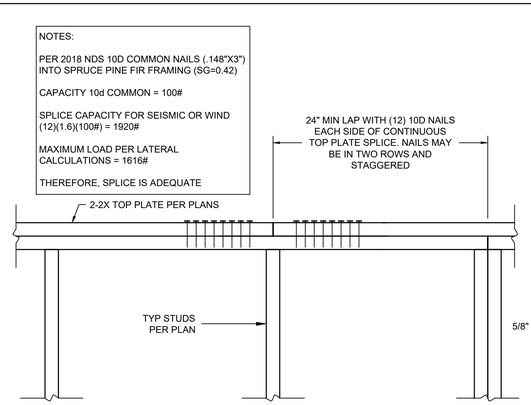
S-001
STRUCTURAL GENERAL NOTES

FASTENING SCHEDULE 2018 NORTH CAROLINA STATE BUILDING CODE TABLE 2304.10.1

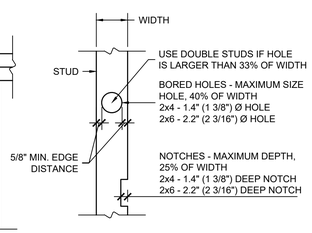
DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION
ROOF		
1. BLOCKING BETWEEN CEILIING JOISTS, RAFTERS OR TRUSSESS TO TOP PLATE OR OTHER FRAMING BELOW	3-8d COMMON (2 1/2" x 0.131") 3-10d BOX (3" x 0.128") 3-3" x 0.131" NAILS 3-3" 14 GAGE STAPLES, 7/16" CROWN	EACH END, TOENAIL
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
	2-16d COMMON (3 1/2" x 0.162") 3-3" x 0.131" NAILS 3-3" 14 GAGE STAPLES	END 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
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
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
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
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
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[c]
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
	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
WALL		
8. STUD TO STUD (NOT AT BRACED WALL PANELS)	16d COMMON (3 1/2" x 0.162")	24" O.C. FACE NAIL
	10d BOX (3" x 0.128") 3" x 0.131" NAILS 3-3" 14 GAGE STAPLES, 7/16" CROWN	16" O.C. FACE NAIL
9. STUD TO STUD AND ABUTTING STUDS AT INTERSECTING WALL CORNERS (AT BRACED WALL PANELS)	16d COMMON (3 1/2" x 0.162")	16" O.C. FACE NAIL
	16d BOX (3 1/2" x 0.135") 3" x 0.131" NAILS 3-3" 14 GAGE STAPLES, 7/16" CROWN	12" O.C. FACE NAIL
10. BUILT-UP HEADER (2" TO 2" HEADER)	16d COMMON (3 1/2" x 0.162")	16" O.C. EACH EDGE, FACE NAIL
	16d BOX (3 1/2" x 0.135")	12" O.C. EACH EDGE, FACE NAIL
11. CONTINUOUS HEADER TO STUD	4-8d COMMON (2 1/2" x 0.131") 4-10d BOX (3" x 0.128")	TOENAIL
12. TOP PLATE TO TOP PLATE	16d COMMON (3 1/2" x 0.162")	16" O.C. FACE NAIL
	10d BOX (3" x 0.128") 3" x 0.131" NAILS 3" 14 GAGE STAPLES, 7/16" CROWN	12" 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)
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
	16d BOX (3 1/2" x 0.135") 3" x 0.131" NAILS 3" 14 GAGE STAPLES, 7/16" CROWN	12" O.C. 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
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
	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
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
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
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
20. 1" x 6" SHEATHING TO EACH BEARING	2-8d COMMON (2 1/2" x 0.131") 2-10d BOX (3" x 0.128")	FACE NAIL
21. 1" x 8" AND WIDER SHEATHING TO EACH BEARING	3-8d COMMON (2 1/2" x 0.131") 3-10d BOX (3" x 0.128")	FACE NAIL
FLOOR		
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
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
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
25. 2" SUBFLOOR TO JOIST OR GIRDER	2-16d COMMON (3 1/2" x 0.162")	FACE NAIL
26. 2" PLANKS (PLANK AND BEAM-FLOOR & ROOF)	2-16d COMMON (3 1/2" x 0.162")	EACH BEARING, FACE NAIL
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
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
	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
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
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
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

WOOD STRUCTURAL PANELS,SUBFLOOR,ROOF AND INTERIOR WALL SHEATHING TO FRAMING AND PARTICLEBOARD WALL SHEATHING TO FRAMING[c]		EDGES	INTERMEDIATE SUPPORTS
31. 3/8" - 1/2"	6d COMMON OR DEFORMED (2" x 0.113") (SUBFLOOR AND WALL)	6"	12"
	8d BOX OR DEFORMED (2 1/2" x 0.113") (ROOF)	6"	12"
	2 3/8" x 0.113" NAIL (SUBFLOOR AND WALL)	6"	12"
	1 3/4" 16 GAGE STAPLE, 7/16" CROWN (SUBFLOOR AND WALL)	4"	8"
	2 3/8" x 0.113" NAIL (ROOF)	4"	8"
	1 3/4" 16 GAGE STAPLE, 7/16" CROWN (ROOF)	3"	6"
32. 19/32" - 3/4"	8d COMMON (2 1/2" x 0.131") 6d DEFORMED (2" x 0.113")	6"	12"
	2 3/8" x 0.113" NAIL 2" 16 GAGE STAPLE, 7/16" CROWN	4"	8"
33. 7/8" - 1 1/4"	10d COMMON (3" x 0.148") 8d DEFORMED (2 1/2" x 0.131")	6"	12"
OTHER EXTERIOR WALL SHEATHING			
34. 1/2" FIBERBOARD SHEATIHNG[c]	1 1/2" GALVANIZED ROOFING NAIL (7/16" HEAD DIAMETER) 1 1/4" 16 GAGE STAPLE WITH 7/16" CROWN OR 1" CROWN	3"	6"
35. 25/32" FIBERBOARD SHEATIHNG[c]	1 3/4" GALVANIZED ROOFING NAIL (7/16" HEAD DIAMETER) 1 1/2" 16 GAGE STAPLE WITH 7/16" CROWN OR 1" CROWN	3"	6"
WOOD STRUCTURAL PANELS, COMBINATION SUBFLOOR UNDERLAYMENT TO FRAMING			
36. 3/4" AND LESS	8d COMMON (2 1/2" x 0.131") 6d DEFORMED (2" x 0.113")	6"	12"
37. 7/8" - 1"	8d COMMON (2 1/2" x 0.131") 8d DEFORMED (2 1/2" x 0.131")	6"	12"
38. 1 1/8" - 1 1/4"	10d COMMON (3" x 0.148") 8d DEFORMED (2 1/2" x 0.131")	6"	12"
PANEL SIDING TO FRAMING			
39. 1/2" AND LESS	6d CORROSION-RESISTANT SIDING (1 1/2" x 0.106") 6d CORROSION-RESISTANT CASING (2" x 0.099")	6"	12"
40. 5/8"	8d CORROSION-RESISTANT SIDING (2 3/8" x 0.128") 8d CORROSION-RESISTANT CASING (2 1/2" x 0.113")	6"	12"
PANEL SIDING TO FRAMING			
41. 1/4"	4d CASING (1 1/2" x 0.080") 4d FINISH (1 1/2" x 0.072")	6"	12"
42. 3/8"	6d CASING (2" x 0.099") 6d FINISH (PANEL SUPPORTS AT 24 INCHES)	6"	12"

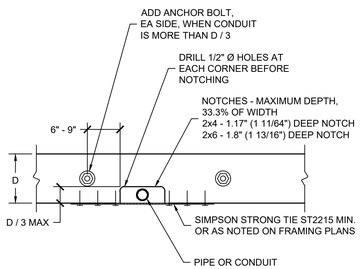
a. NAILS SPACED AT 6 INCHES AT INTERMEDIATE SUPPORTS WHERE SPANS ARE 48 INCHES OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLEBOARD DIAPHRAGMS AND SHEAR WALLS, REFER TO SECTION 2305. NAILS FOR SHEATHING ARE PERMITTED TO BE COMMON, BOX, OR CASING.
b. SPACING SHALL BE 6 INCHES ON CENTER ON THE 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.



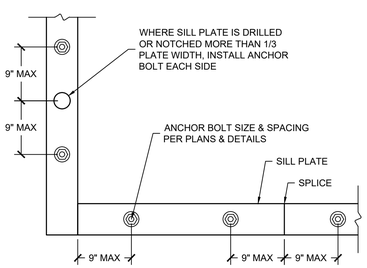
1 TYP TOP PLATE SPLICE — S-002 — SCALE: NTS



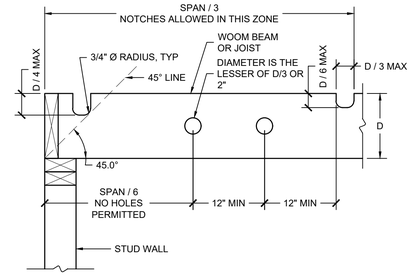
2 HOLES & NOTCHES IN STUDS — S-002 — SCALE: NTS



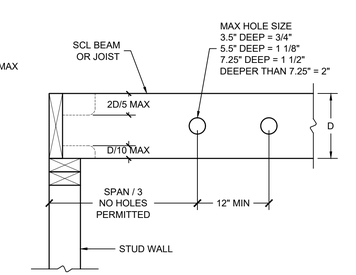
3 NOTCHES IN SILL PLATES — S-002 — SCALE: NTS



4 HOLES & BOLTING IN SILL PLATE — S-002 — SCALE: NTS



5 HOLES & NOTCHES IN JOISTS & BEAMS — S-002 — SCALE: NTS



6 HOLES & NOTCHES IN SCL JOISTS & BEAMS — S-002 — SCALE: NTS

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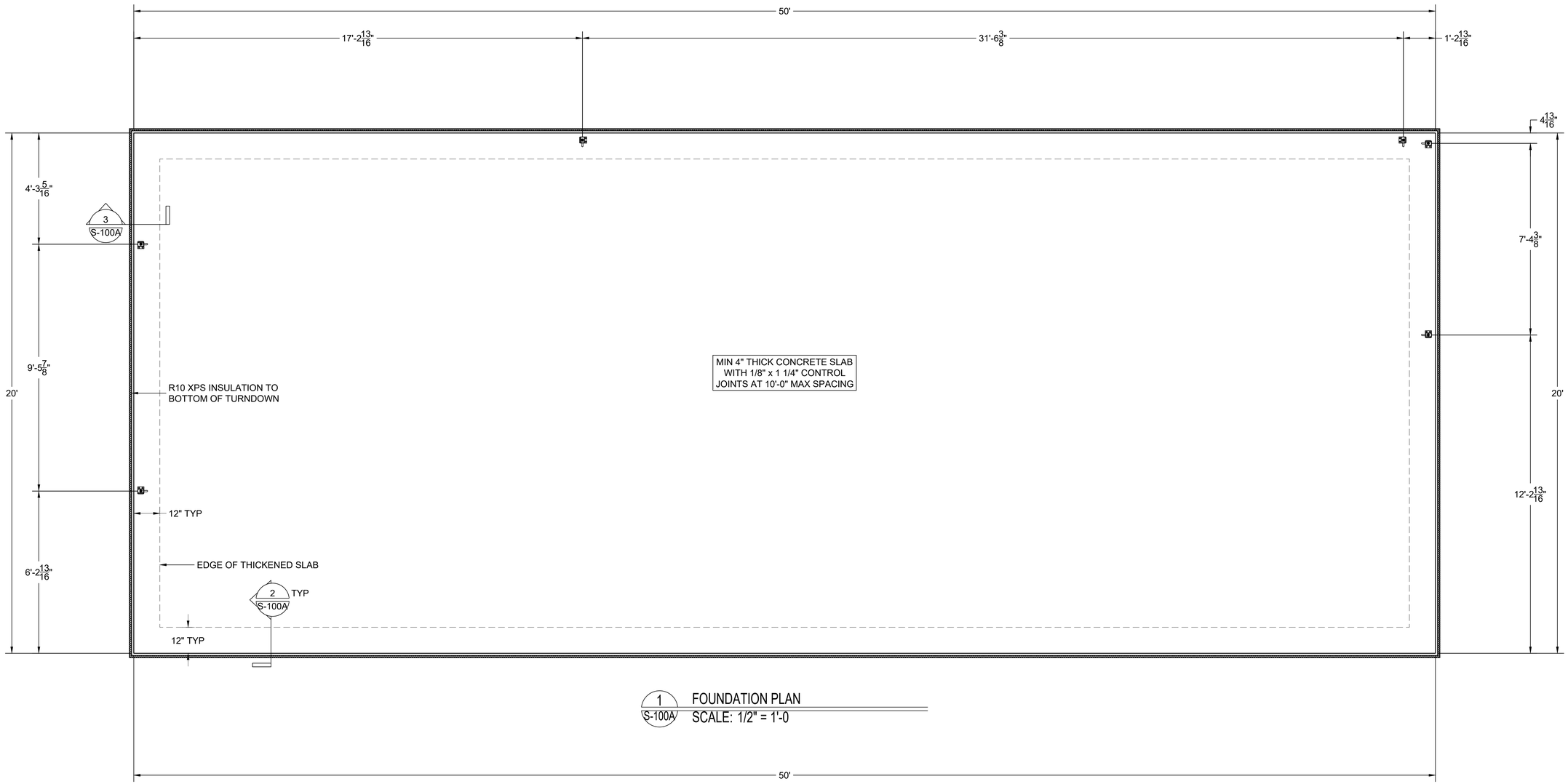
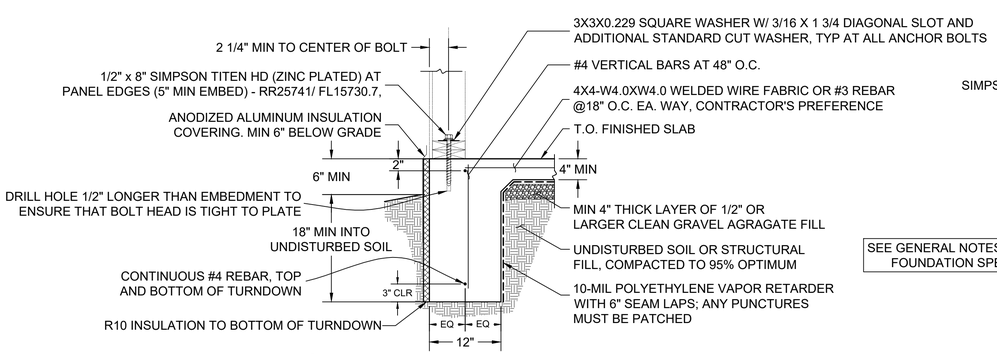
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045386 DAVID M SPARKS
SEAL 045386
10/14/2024
ENGINEER

24x36
SHEET SIZE

S-002
STRUCTURAL GENERAL NOTES

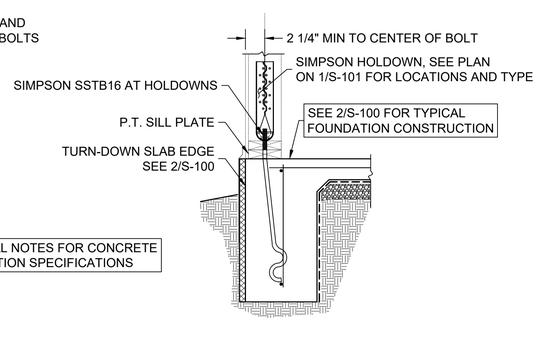


1 S-100A FOUNDATION PLAN
SCALE: 1/2" = 1'-0



SEE GENERAL NOTES FOR CONCRETE FOUNDATION SPECIFICATIONS

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



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

PLAN NOTES:

1. 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)*

2. 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)*

3. 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.

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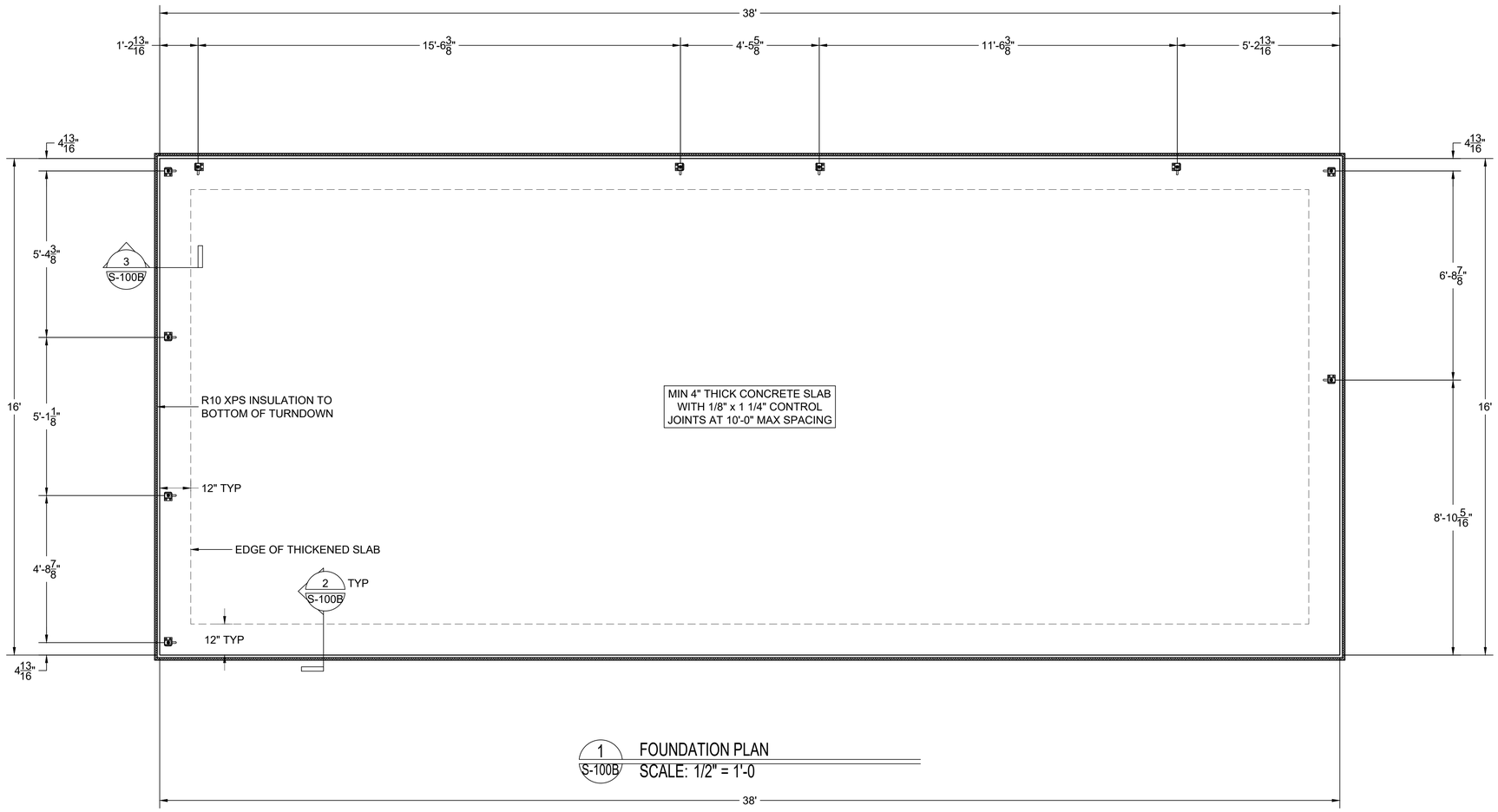
10/09/24

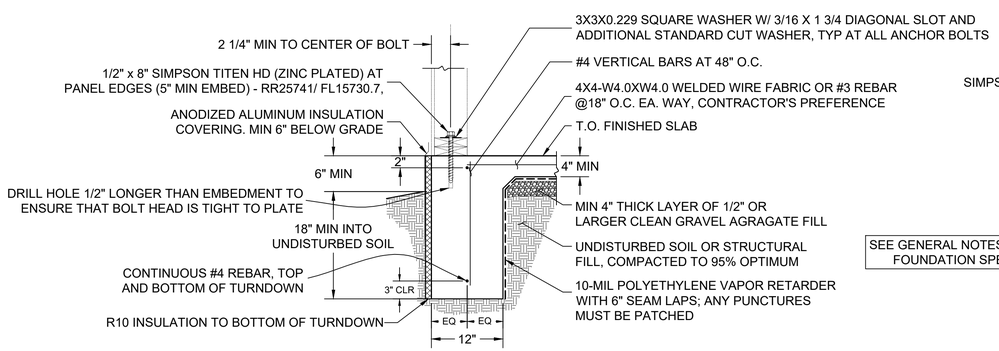
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045386 10/14/2024 DAVID M. SPARKS

24x36
SHEET SIZE

S-100A
FOUNDATION PLAN

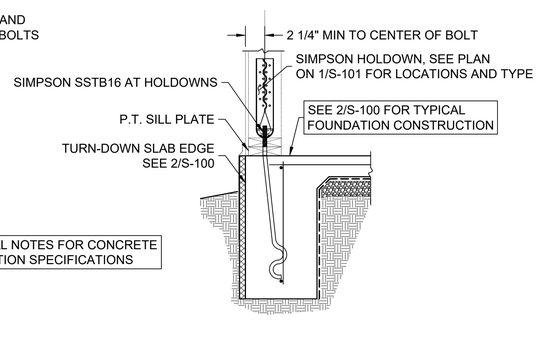


1 S-100B FOUNDATION PLAN
SCALE: 1/2" = 1'-0



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

SEE GENERAL NOTES FOR CONCRETE FOUNDATION SPECIFICATIONS



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

PLAN NOTES:

1. 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)*

2. 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)*

3. 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.

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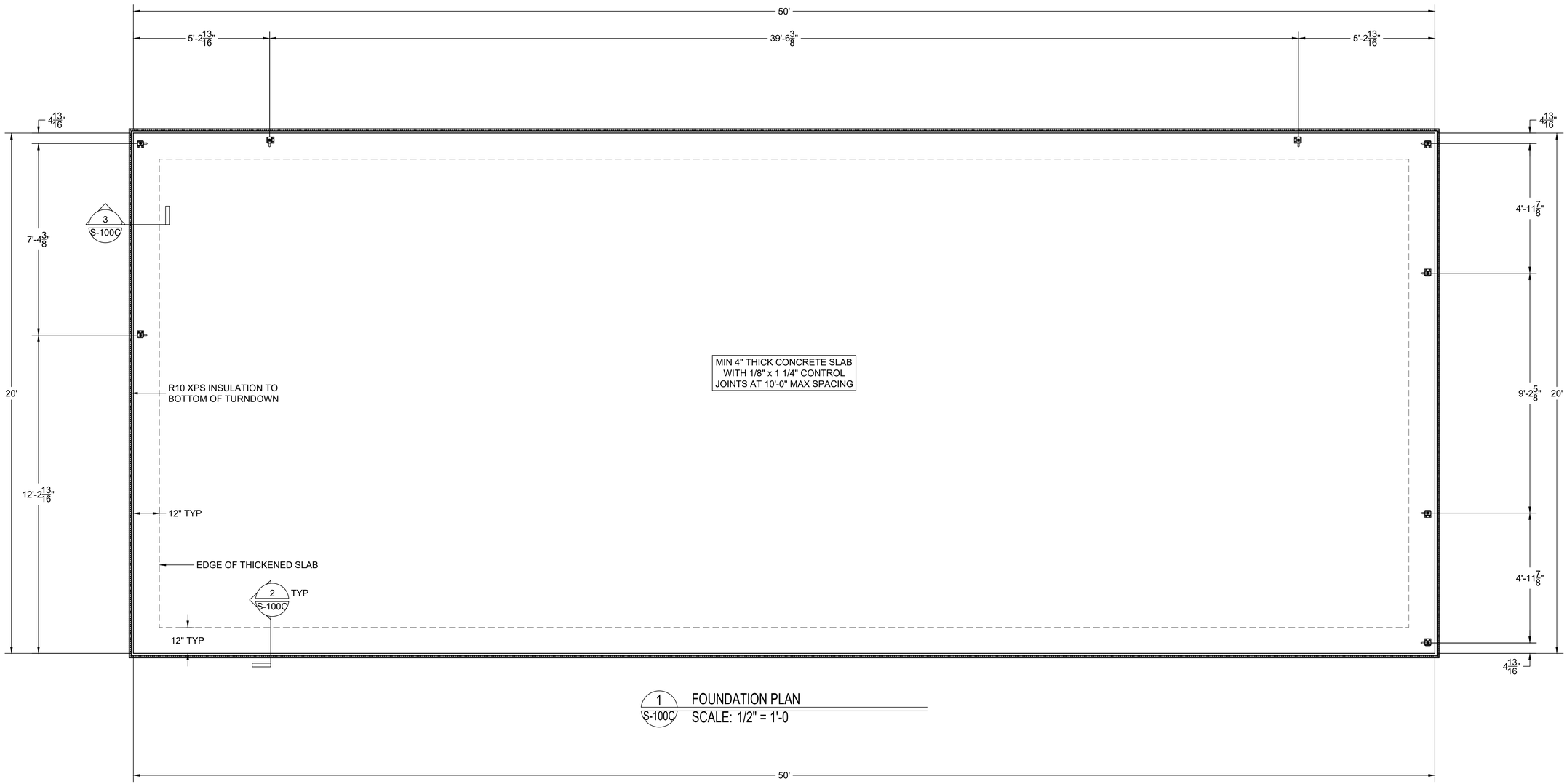
10/09/24

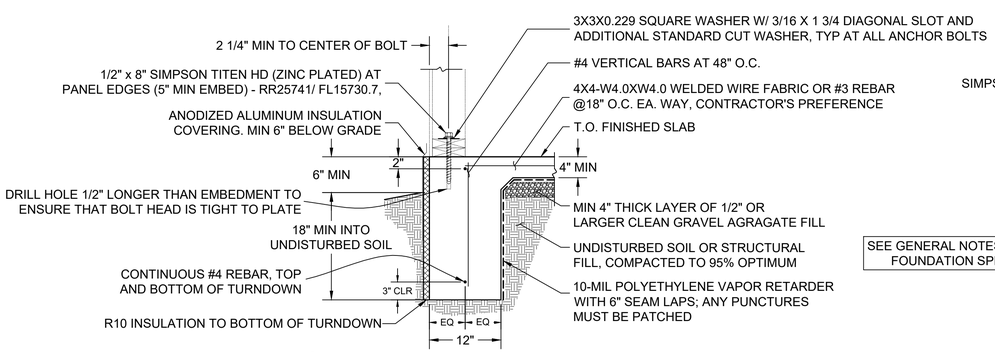
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045386 10/14/2024 REGISTERED DAVID M. SPARKS

24x36
SHEET SIZE

S-100B
FOUNDATION PLAN

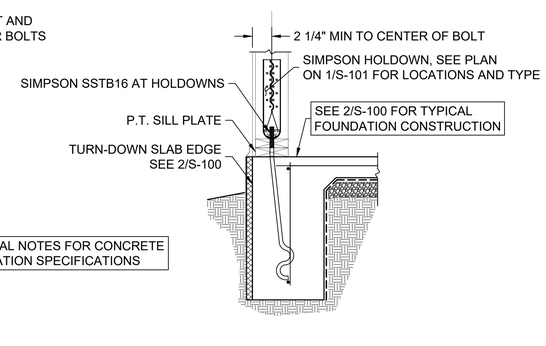


1 S-100C FOUNDATION PLAN
SCALE: 1/2" = 1'-0



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

SEE GENERAL NOTES FOR CONCRETE
FOUNDATION SPECIFICATIONS



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

PLAN NOTES:

1. 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)*

2. 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)*

3. 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.

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REVISIONS

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NAME
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ADDRESS

PREPARER OF PLANS:

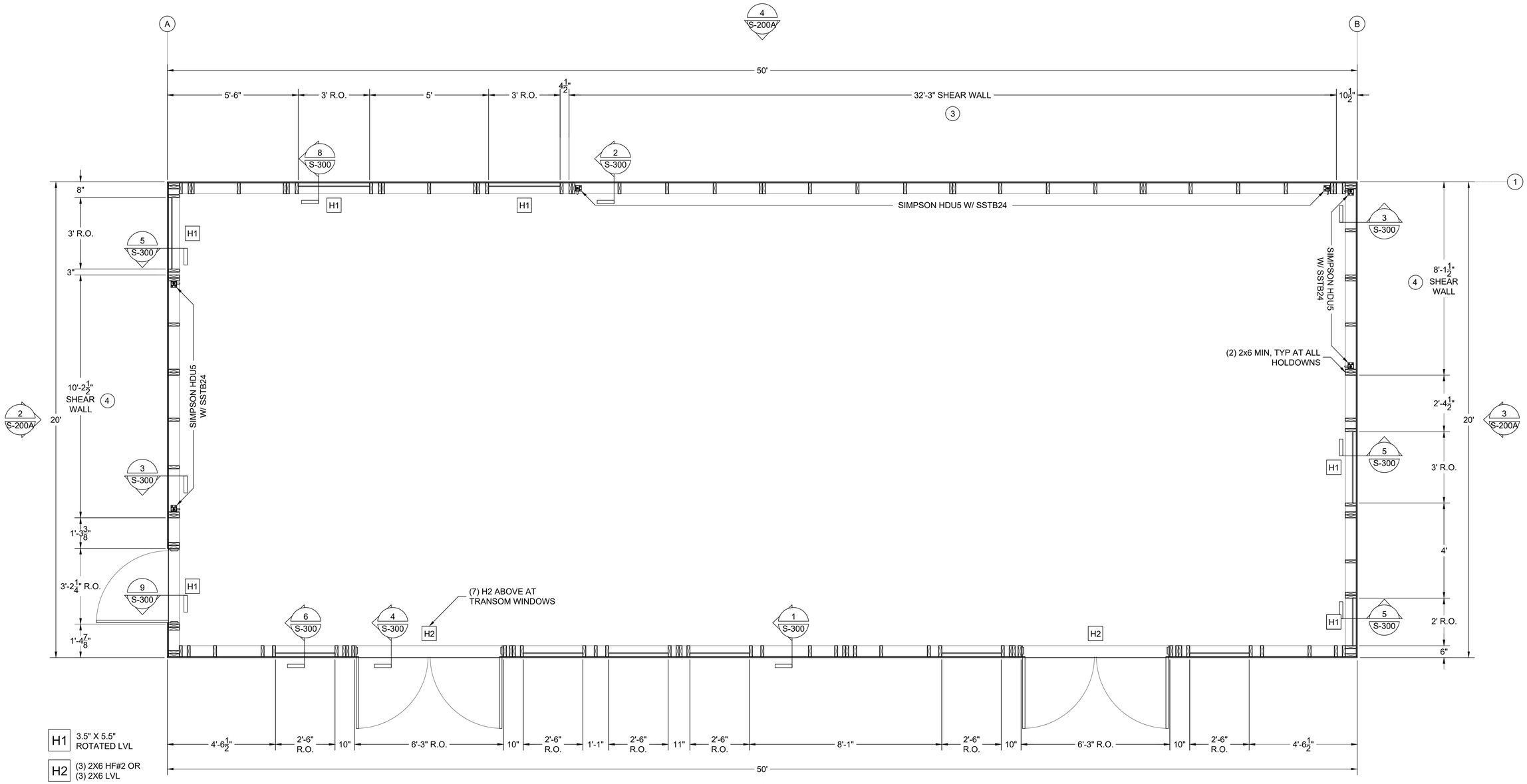
ANDREW LANGDON
ALANGDON@STUDIOSHED.COM
(303) 945-6973

10/09/24

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045386 10/14/2024 ENGINEERS DAVID M. SPARKS

24x36
SHEET SIZE

S-100C
FOUNDATION PLAN



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.

WALL SCHEDULE

MARK	STUDS	SHEATHING	NAILS	PANEL EDGE NAIL SPACING	FIELD NAIL SPACING	BOTTOM PLATE ANCHORS[1]	WASHERS	SEISMIC CAPACITY	WIND CAPACITY
SHEAR WALLS (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
SHEAR WALLS (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
OTHER WALLS	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	-	-

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.

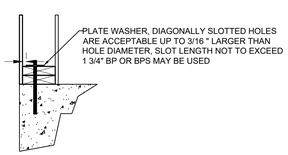
GENERAL NOTES:

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 SHEARS WALLS TO BE BLOCKED WITH 2x MEMBERS
9. ALL WALLS HAVE (2) 2x TOP PLATES AND (2) 2x 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. SHEATHE ALL EXTERIOR WALLS. SHEATHE 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

0.229"x3"x3" SQ PLATE WASHER DETAIL WHERE CONCRETE ANCHORAGE IS REQUIRED



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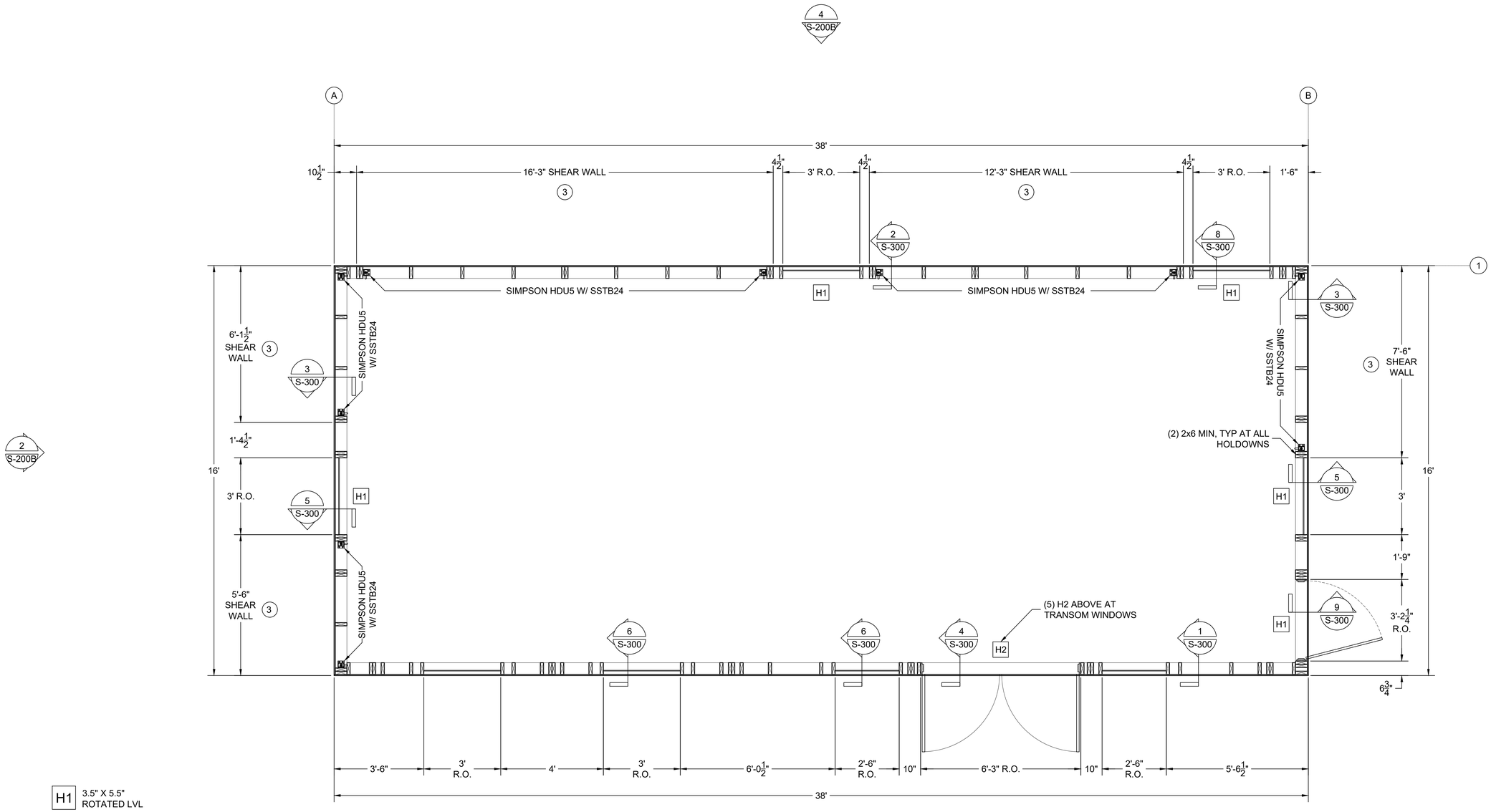
10/09/24

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045386 DAVID M. SPARKS 10/14/2024

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

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PLAN NOTES:

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

1 S-101B — 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
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OTHER WALLS	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	-	-

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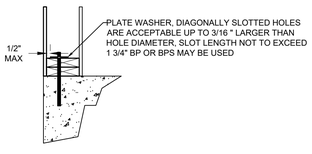

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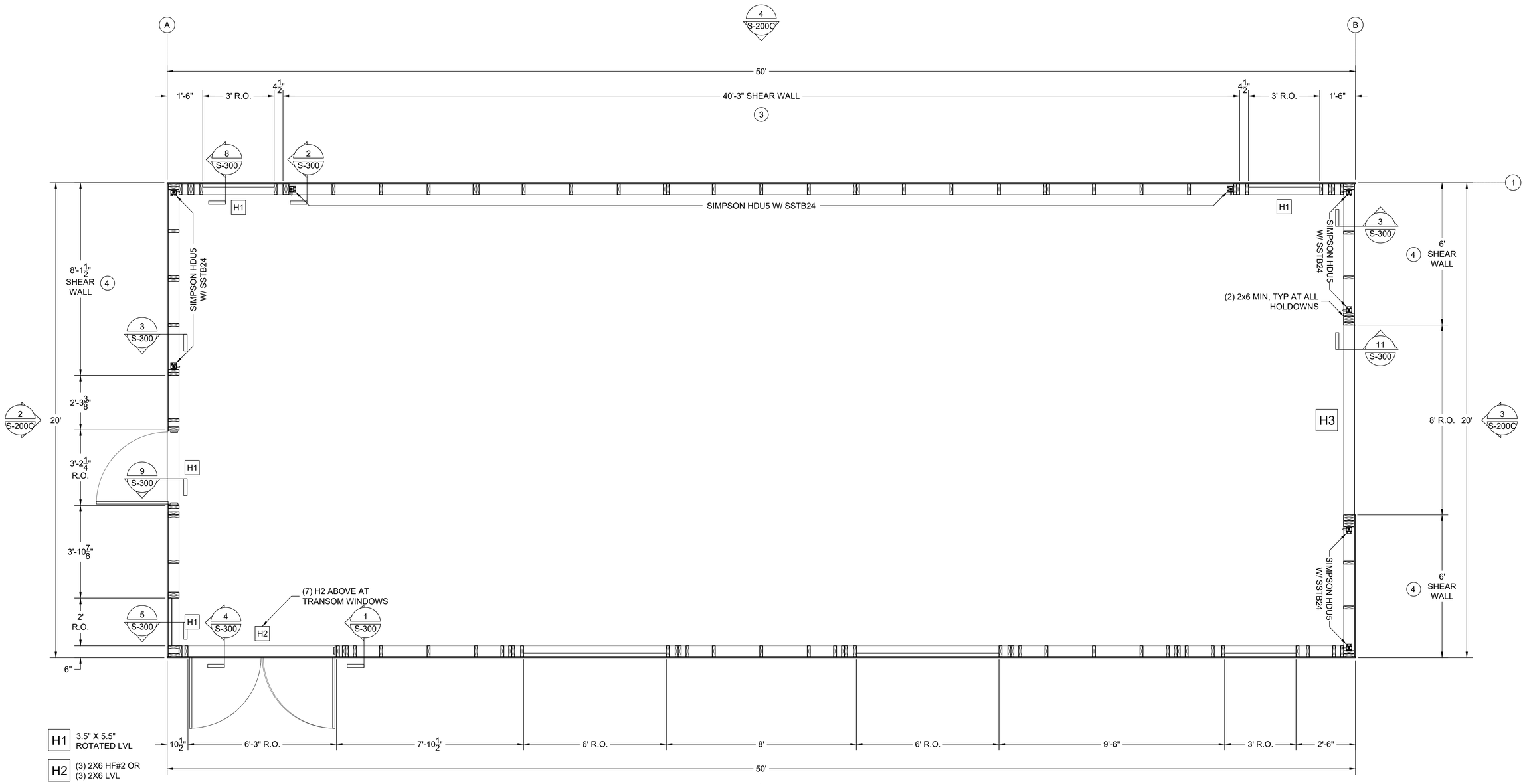
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045386 DAVID M SPARKS
SEAL
045386
10/14/2024

24x36
SHEET SIZE

S-101B
FIRST FLOOR FRAMING PLAN



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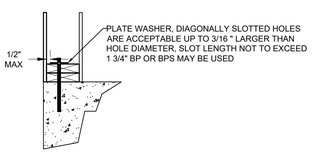

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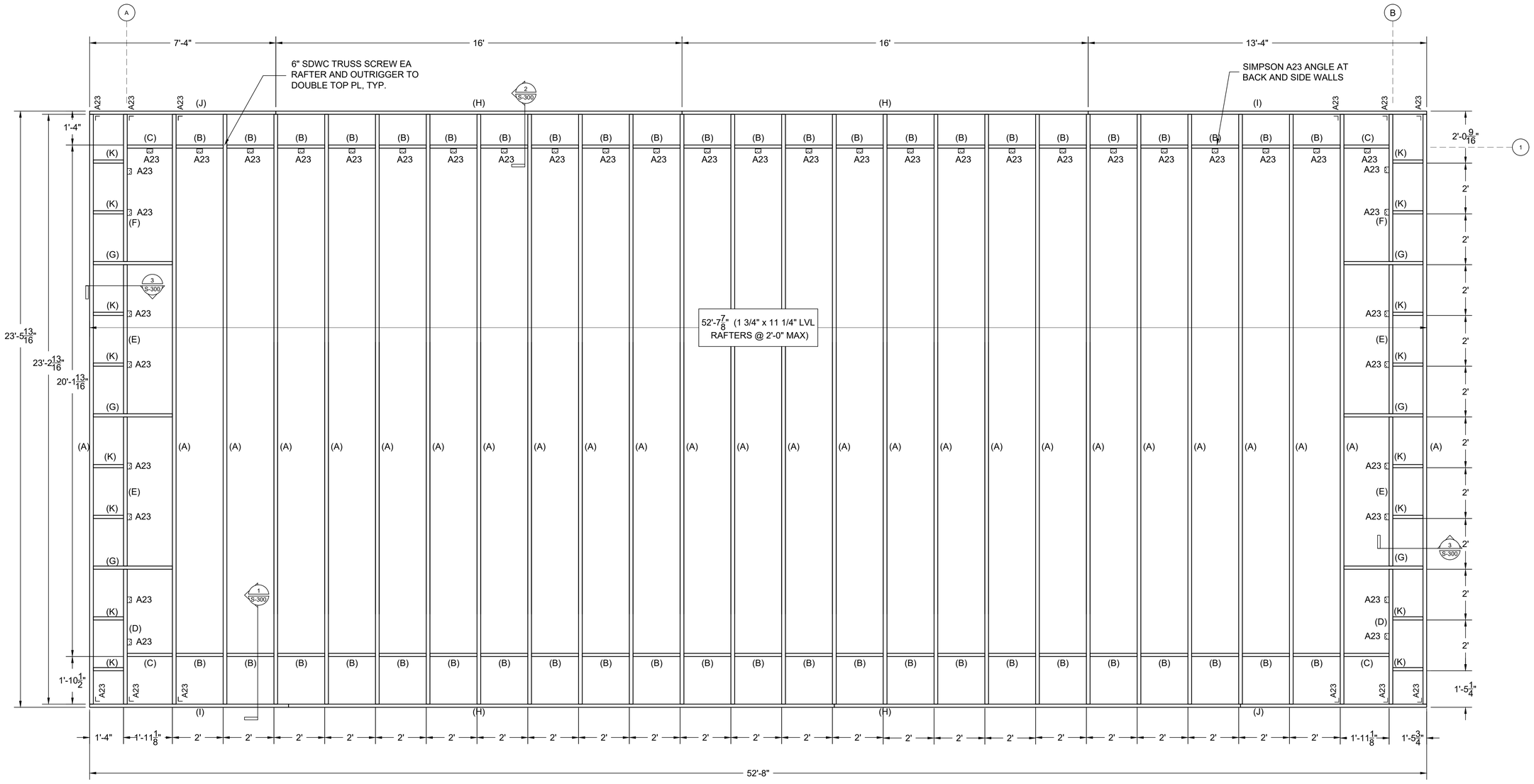
NORTH CAROLINA PROFESSIONAL ENGINEER
SEAL 045386
10/14/2024
DAVID H SPARKS

24x36
SHEET SIZE

S-101C
FIRST FLOOR 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 MEMEBERS 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

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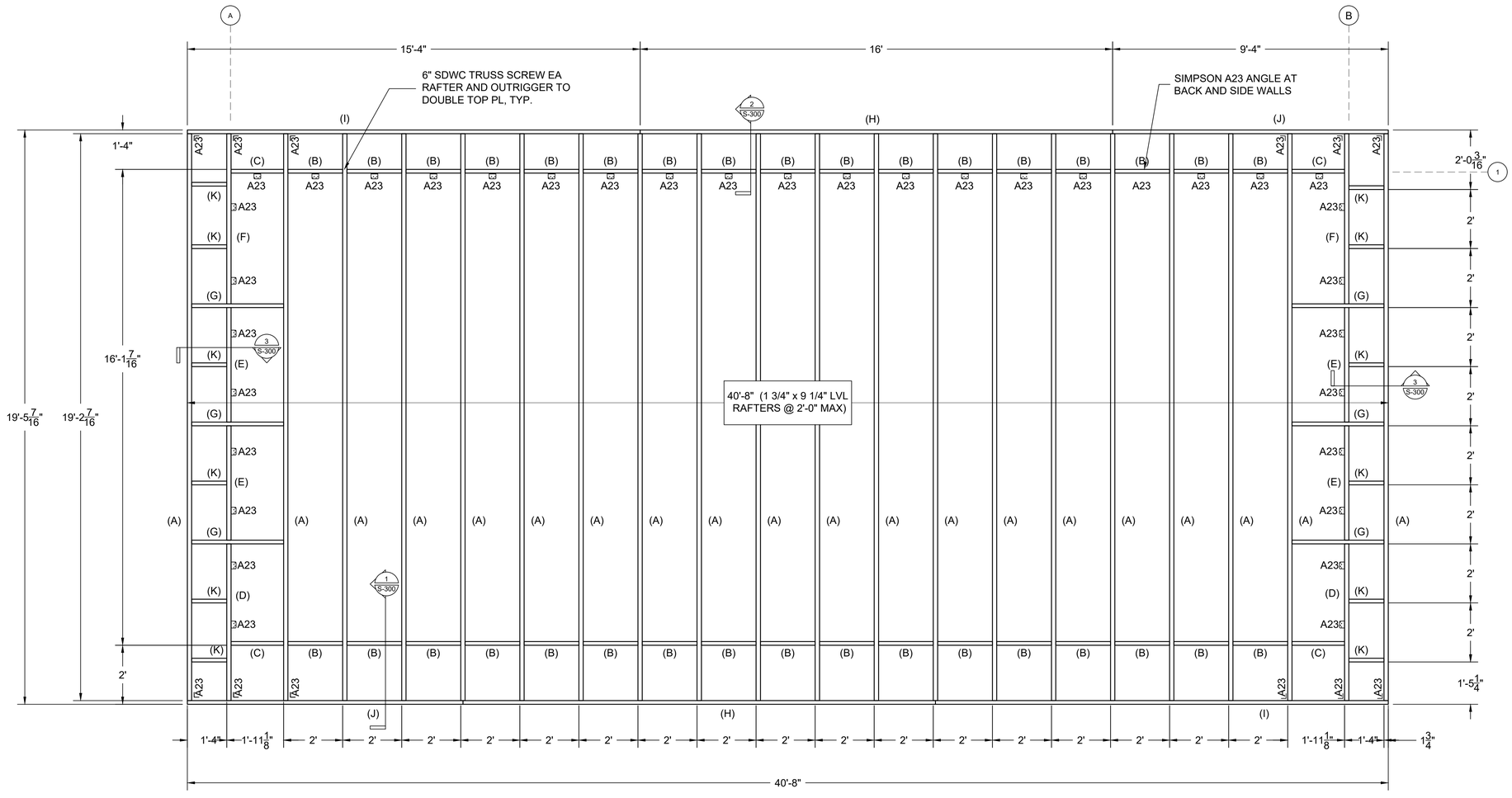
10/09/24

NOT FOR CONSTRUCTION
PROFESSIONAL ENGINEER
SEAL
045386
10/14/2024
ENGINEER
DAVID M SPARKS

24x36
SHEET SIZE

S-102A
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

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045386 10/14/2024 REGISTERED DAVID M. SPARKS

24x36
SHEET SIZE

S-102B
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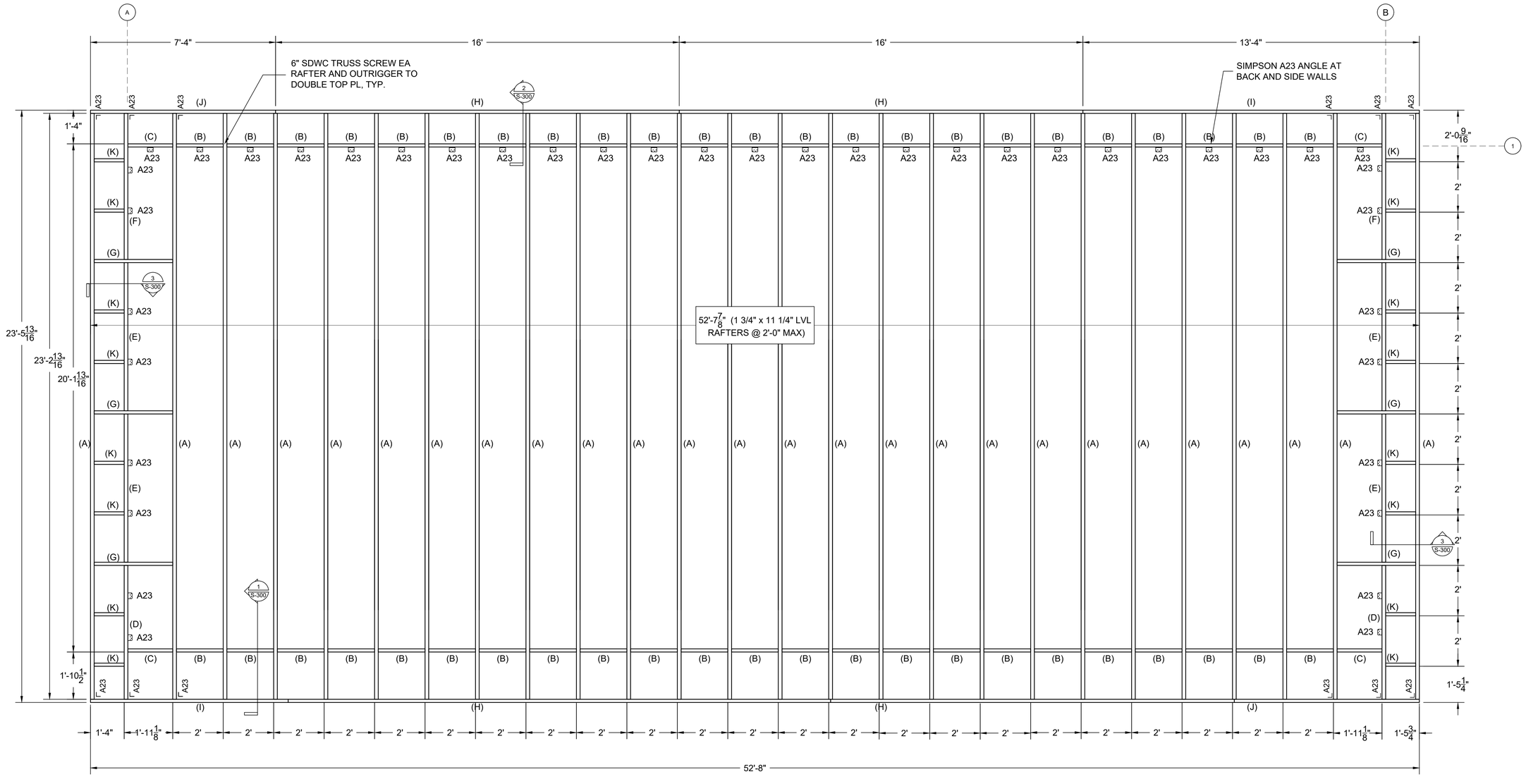

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19/32" SHEATHING AND SINGLE-FLOOR W/ 8d COMMON (0.131x2.5) OVER 2x FRAMING MEMEBERS OF SG = 0.5 (DOUG FIR OR LVL)

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

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REVISIONS

PRIMARY DWELLING, GUEST WING, WORKSHOP / GARAGE
TYPE OF CONSTRUCTION
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DUNN, NC 28334
ADDRESS

PREPARER OF PLANS:

ANDREW LANGDON
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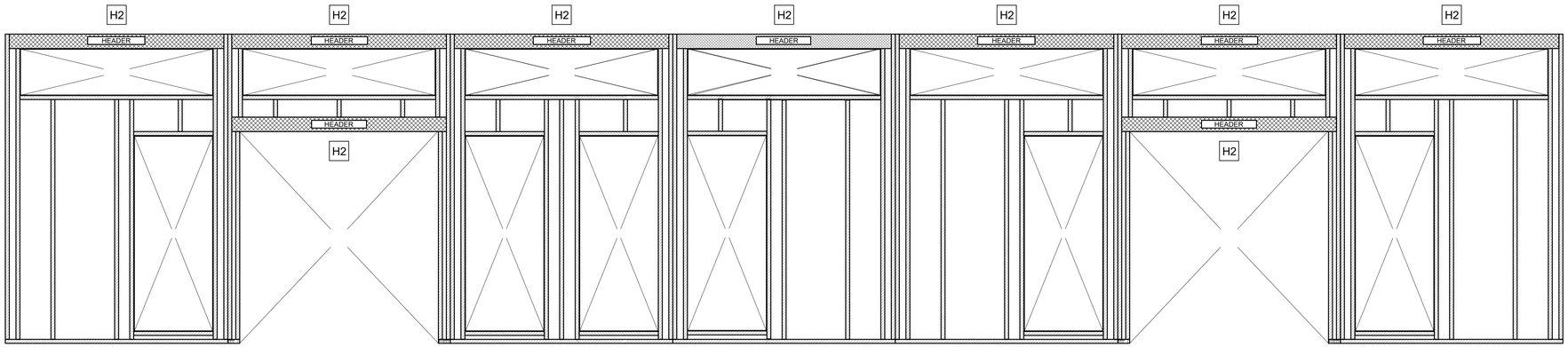
(303) 945-6973

10/09/24

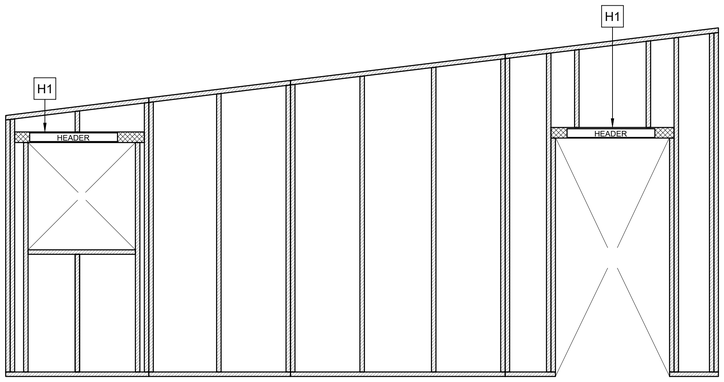
NORTH CAROLINA PROFESSIONAL SEAL ENGINEER DAVID M SPARKS
SEAL
045386
10/14/2024

24x36
SHEET SIZE

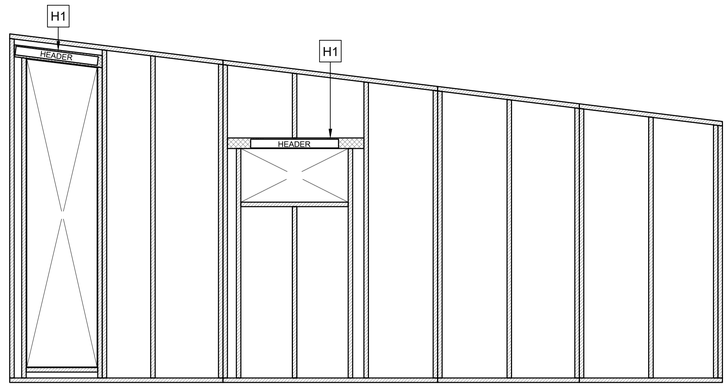
S-102C
ROOF FRAMING PLAN



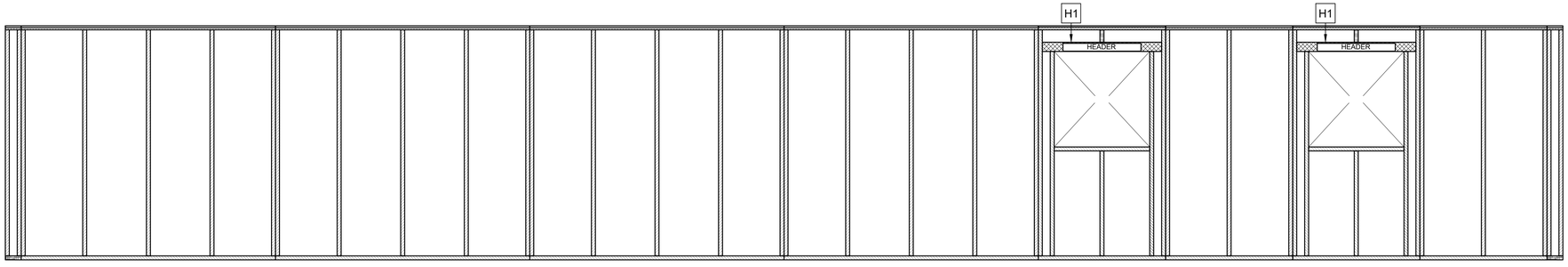
1 FRONT FRAMING ELEVATION
S-200A SCALE: 1/2" = 1'-0"



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"

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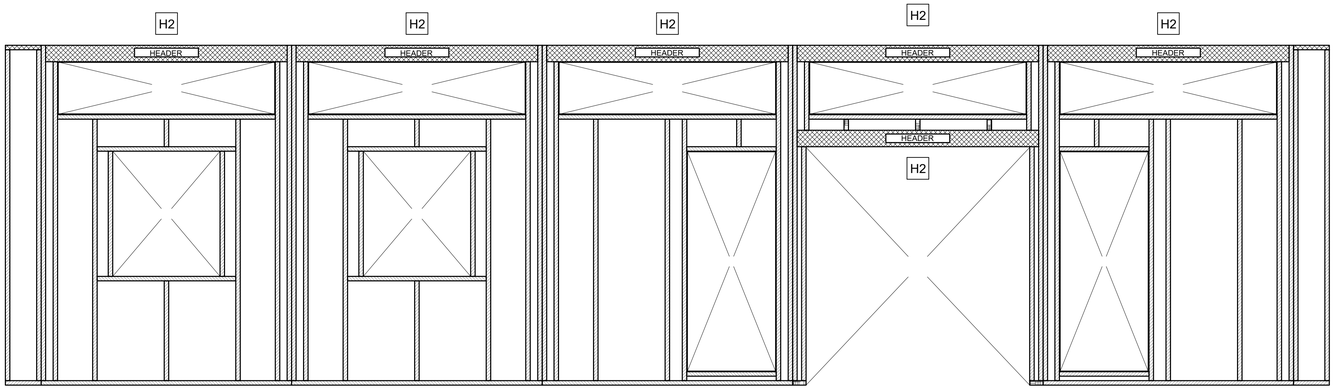
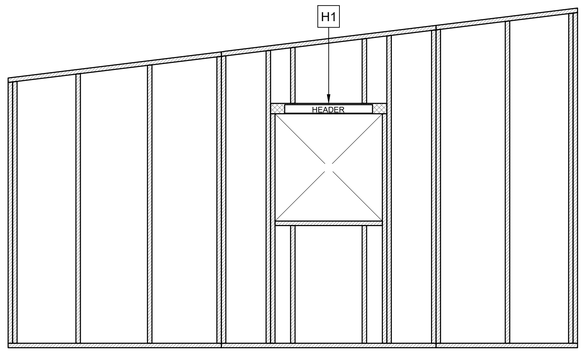
SHEET SIZE

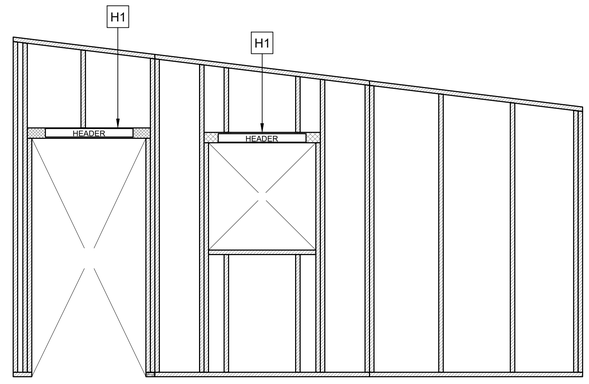
S-200A
WALL FRAMING PLAN



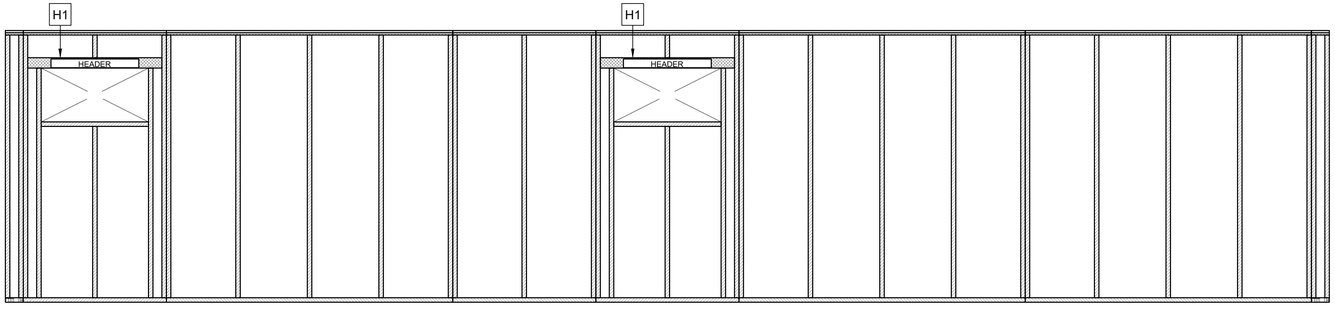
1 FRONT FRAMING ELEVATION
S-200B SCALE: 1/2" = 1'-0"



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"

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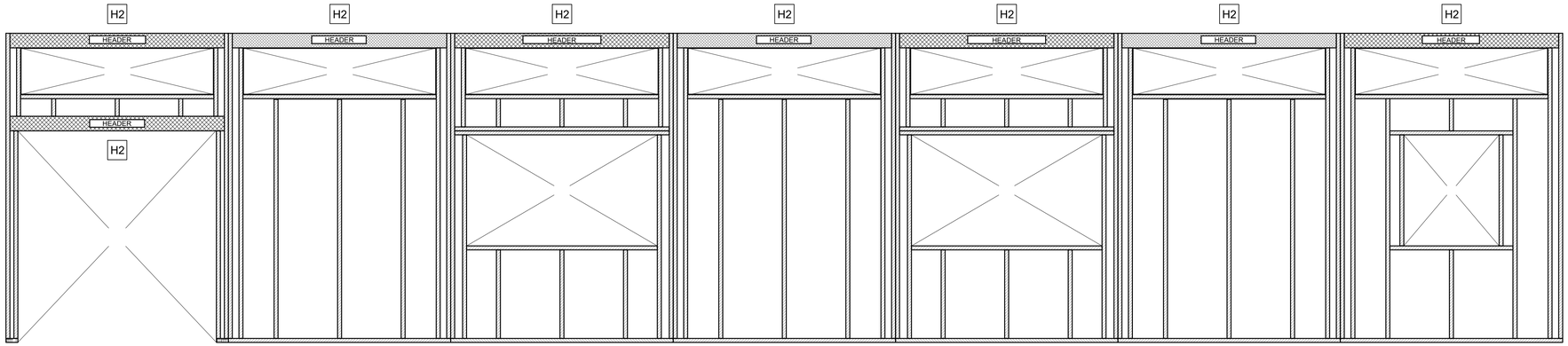
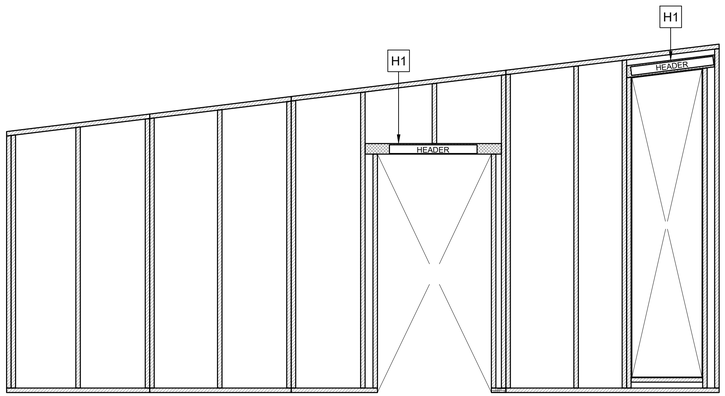
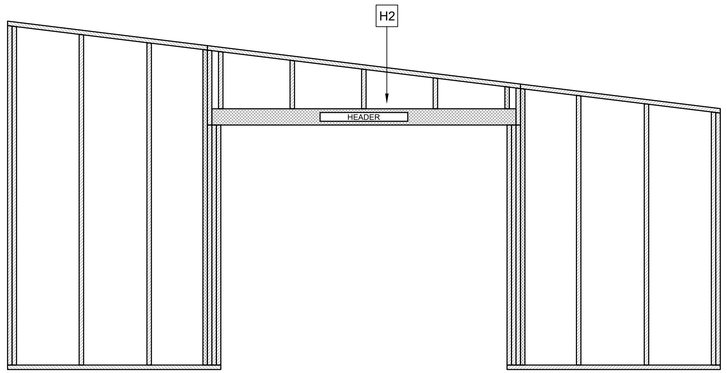
WALL FRAMING PLAN



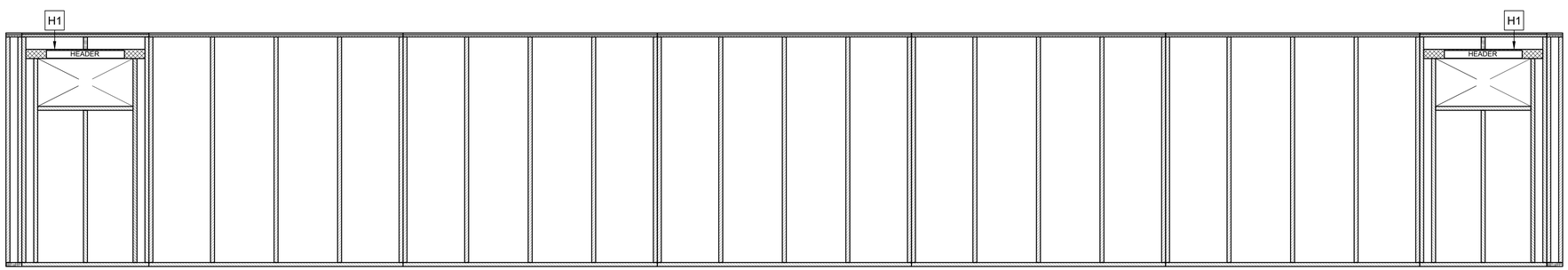
1 FRONT FRAMING ELEVATION
S-200C SCALE: 1/2" = 1'-0"



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
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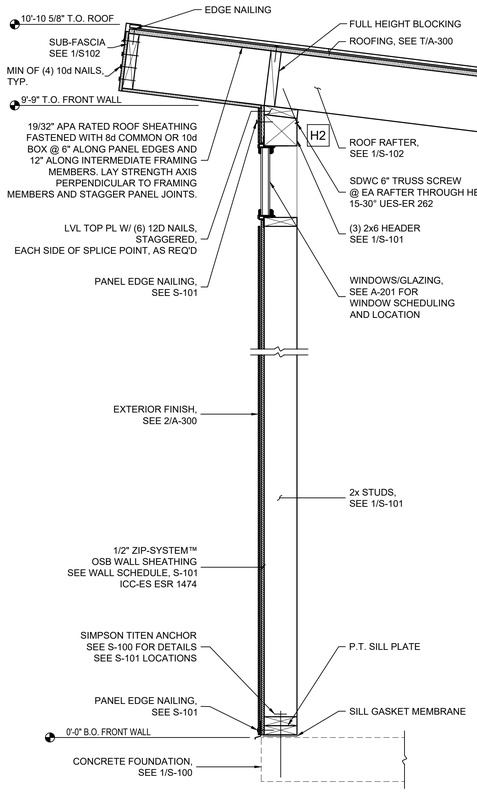
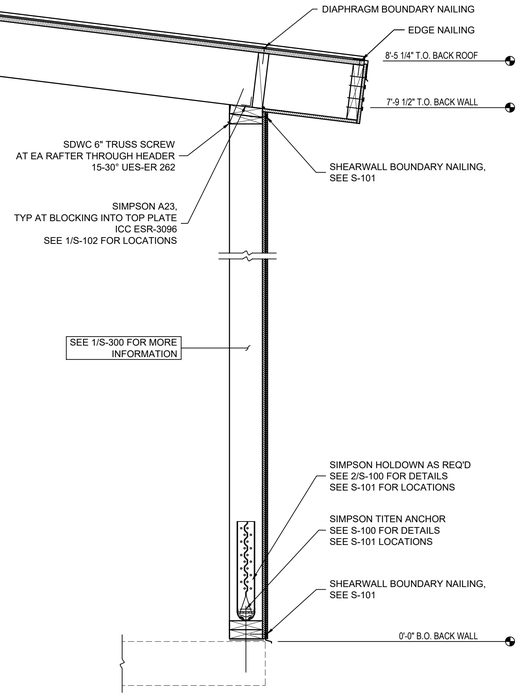
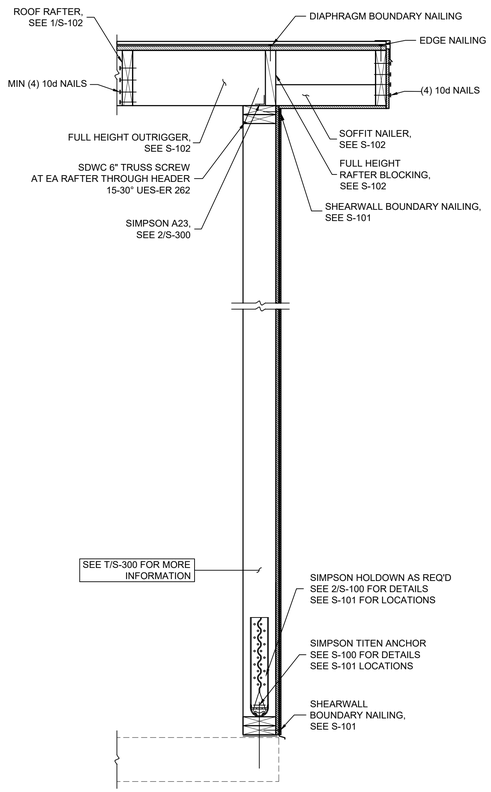


1 S-300 FRONT WALL SECTION
SCALE: 1" = 1'-0"

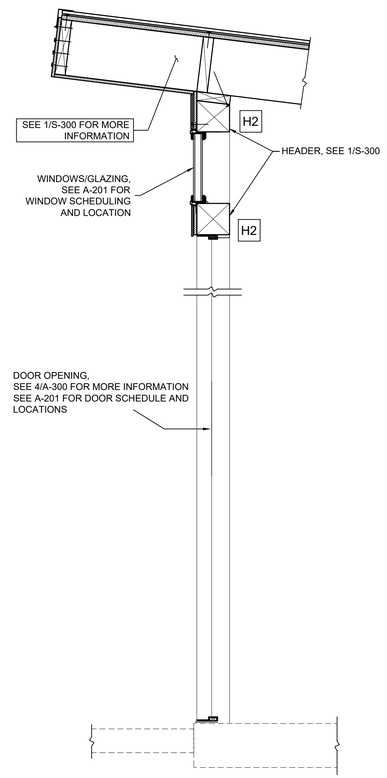


T S-300 TRANSVERSE SECTION
SCALE: 1" = 1'-0"

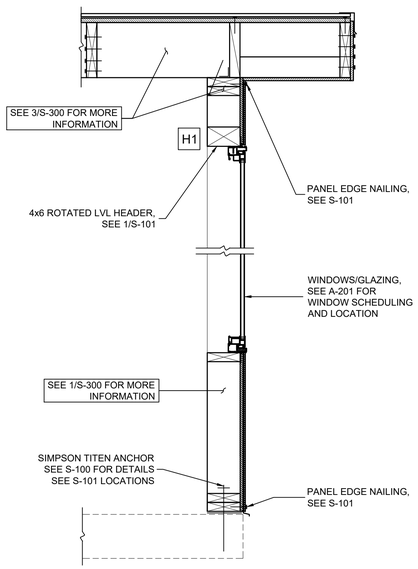


2 S-300 BACK WALL SECTION
SCALE: 1" = 1'-0"

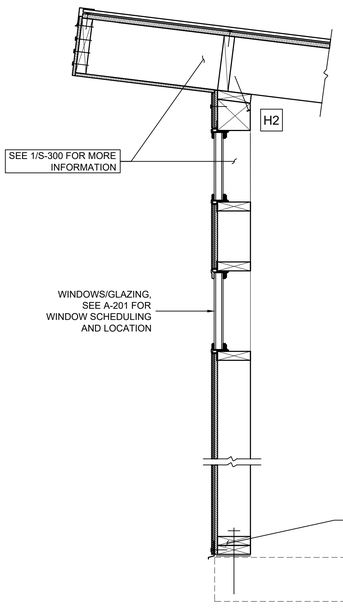
3 S-300 RAKE WALL SECTION
SCALE: 1" = 1'-0"



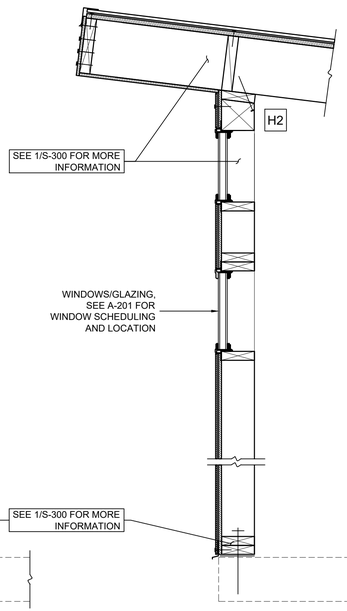
4 S-300 FRONT WALL SECTION AT 72" DOOR
SCALE: 1" = 1'-0"



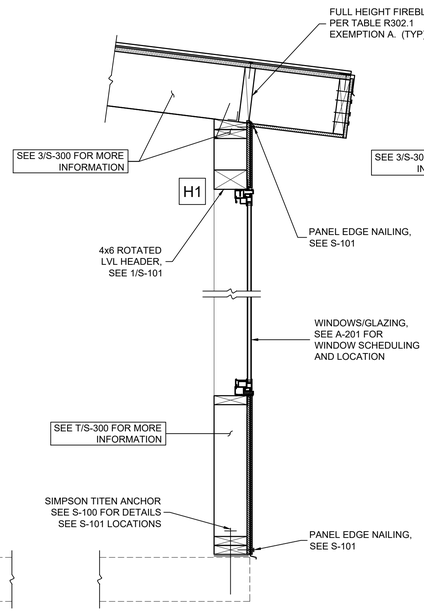
5 S-300 TYP WALL SECTION WITH WINDOW
SCALE: 1" = 1'-0"



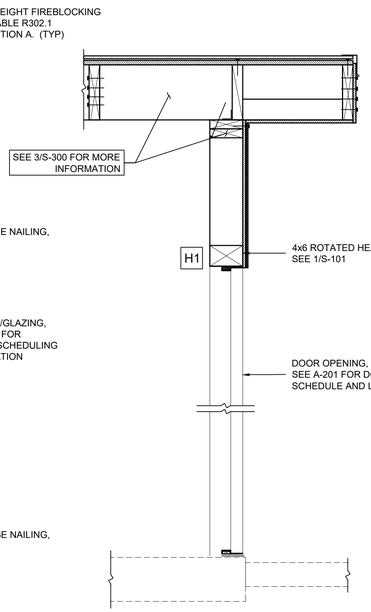
6 S-300 FRONT WALL SECTION WITH WINDOW
SCALE: 1" = 1'-0"



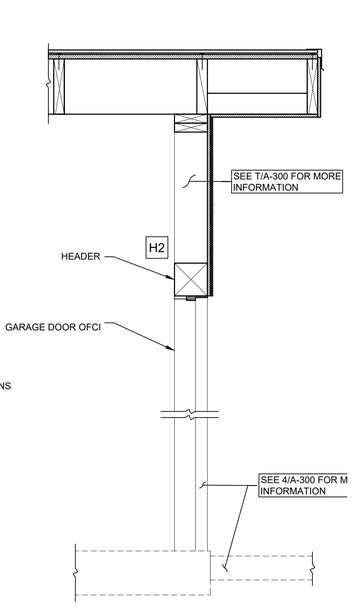
7 S-300 FRONT WALL SECTION WITH GLIDER WINDOW
SCALE: 1" = 1'-0"



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



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



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

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BUILDING SECTIONS