

A Passive Solar Residence for W. Brent & Kristen A. Swain

153 Lakes Drive South
Oxford, MS 38655

C1.01

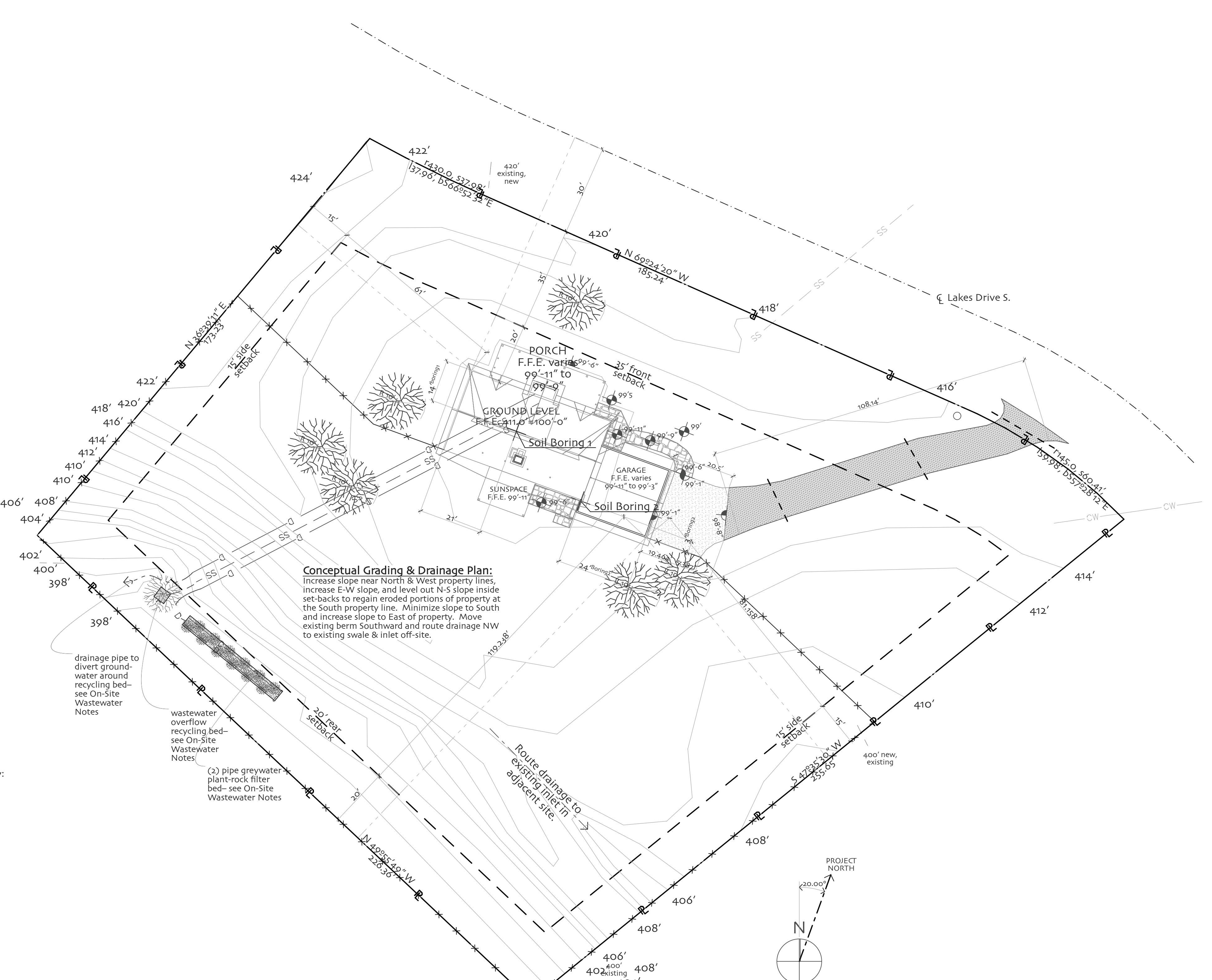
**Site Grading &
Drainage Plan**

Status:

Addenda:

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Issue: 1/3/2009



Site General and Key Notes

G. Building Sitenwork

- G**
- G10** Site work preparation consists of clearing & grubbing (G10.100.1000), proof site grading & excavation (G10.100.1501), and site steps (G10.100.100).
- G20** Site improvements shall consist of driveways (G20.10.240) and sidewalks (G20.10.105), and site steps (G20.10.300).
- G30** Site mechanical utilities consist of water supply service (G30.10.120), well systems (G30.10.300), sanitary sewer (G30.20), packaged water waste treatment plants (G30.20.500) and drain fields (G30.20.700).
- G40** Site electrical utilities consist of site lighting (G40.20.1).
- G10.100.1000** The site shall be cleared and grubbed to remove the vegetation and organic material within the foundation area. The depth of the excavation will vary. The horizontal limits of excavation shall extend 5' outside the exterior lines of the foundation area. The excavated material shall be disposed of off-site.
- G10.100.1400** The cleared subgrade shall be graded, compacted and proof-rolled using a loaded tandem-axle dump truck (minimum weight 50,000 lbs). As required by owner, the proof-rolling activities should be witnessed by a geotechnical engineer or certified soils technician to determine if unstable soil conditions (i.e. pumping) are present and require additional intervention.
- G10.100.1800** An engineered fill consisting of select fill material shall be imported and placed within the foundation area and compacted and proof-rolled to build the site up to grade. The fill material shall consist of imported, non-organic and debris-free silty clays (CL), sandy clays (CL) or clayey sands (SC) having a PI within the range of 5 to 25 and a LL less than 35.
- G10.100.1801** The engineered fill shall be placed in 8" loose lifts and compacted to 95% standard Proctor (ASTM D-498) density at moisture content within 3% of optimum moisture. The lift height shall be 12". The fill shall be constructed in this manner until the site is brought to grade. As required by owner, inspection and monitoring of the engineered fill placement shall be performed by a geotechnical engineer.
- G10.100.1802** Testing services, including inspection of the proof-roll and the fill placement, should be performed as required by owner. The density and moisture content of the in-place fill material should be verified by testing at a frequency of one test per 2500 square feet per 6 inch compacted lift. Nuclear gauge (ASTM D-3922) or sand cone methods (ASTM D-1556) are approved testing methods for density verification.
- G10.100.200** Masonry grouting shall be used at first floor elevation and ensure positive slope away from the building a minimum of 5% in the first 10'. Excavate and backfill at basements per basement excavation (A20.10).
- G10.10.120** Dotted contours represent assumed existing topography to be revised.
- G10.10.300** Heavyweight continuous contours represent proposed revised topography—ensure continuous positive slope to drain off site or to site-drainage system.
- G10.10.330** Consult with a geotechnical engineer to provide erosion control during earthwork. Once grading is complete, immediately install netting and spray new ground with water, seed and liquid fertilizer compatible with on-site soil conditions. Provide erosion fencing at all property lines on low side of the site and at all property elevations.
- G20.10.240** Compact soil below slab as necessary in 1' lifts to achieve bearing of adjacent undisturbed soil (per soils report). Ensure positive slope away from building at min. 1:50. Finish as selected by owner.
- G20.10.240** Provide concrete driveway over paving & surfacing, subgrade (G20.10.200) near house as indicated, sloped away from the building at 1:50. Align with edging (G20.10.105). Provide impervious surfacing from concrete drive to the garage door. Provide paved areas around the building at a grade minimum 1'. Provide swales along side the drive both sides, with subsurface cross-draining every 15 yards to route drainage to low end of site. Provide culvert under drive in swale along roadway to meet requirements of covenants.
- G20.10.200** Provide stone pavers in sand bed (permeable) over gravel subbase to coordinate with exterior stonework. Align with edging (G20.10.200).
- G20.10.200** Provide border grass (e.g. Liriope) between all sidewalks, concrete drives, patios & site steps and adjacent grade.

On-Site Wastewater Notes:

The wastewater treatment consists of two separate systems as follows:

- 1) Human Wastewater System (Toilets): Sun-Mar Composting Toilet system (Centrex 3000 NE) with a recycling bed to handle any overflow liquid. The liquid is sequestered and consumed by vegetation chosen for its water-consumption capacity. The compost produced in the unit will be used according to State Health Department requirements, and will be buried in a 12" deep trench with vegetation. The system will not interact with groundwater due to a vertical and horizontal separation between the recycling bed and 4" sock pipe routed to divert water away from the bed. See On-Site Wastewater System Sizing for system calculations.
- 2) "Greywater" – all water not in contact with human waste (sinks, dishwasher, laundry): Greywater Reuse (Irrigation) Leach Field System (Per The Natural Home Greywater Recycling Kit specifications): Load: (3) bedroom, (3) bath home = (3) people = 50 gallons / person-day = 150 gallon capacity required

On-Site Wastewater System Sizing:

- 1) **Human Wastewater System Sizing (per Sun-Mar recommendations):**
 - A. composter:
based on a (3) bedroom, (3) bath home: (3) people constant use: -use Centrex 3000
 - B. recycling bed (per "Recycling Beds" by C.M. Wilkinson):
bed sized on a per-season basis
= 13 weeks
(3) people constant use
= 273 person-days per season;
size from Table 2—use 300 person-days per season:
input per season:
= 975 L
reservoir capacity,
= 128 L
bed area req'd:
= 0.9 m² (9.7 ft²)
use 10 ft², 3.5 ft x 3.5 ft
required depth:
= 6" sand @ bottom,
18" soil, bermed for drainage
chosen vegetation for 128 L / season
capacity:
= (1) weeping willow tree
- 2) **Greywater Reuse (Irrigation) Leach Field System Sizing (per The Natural Home Greywater Recycling Kit specifications):**
Load: (3) bedroom, (3) bath home = (3) people = 50 gallons / person-day = 150 gallon capacity required
bed size @ 1 ft² / gallon
= 150 ft²
use 4 ft x 40 ft = 160 ft²
chosen vegetation for 150 gal / day capacity:
@ 15 gal / day for fruit tree:
= 10 trees:
Methley plum
Arkansas black apple
Gala apple
Nectarine
Elberta peach
Belle of Georgia peach
Asian pear
Orient Pear
Kieffer pear
Fig
Sources:
greywater system:
<http://www.thenaturalhome.com/greywater.html>
composting toilet system:
http://www.sun-mar.com/prod_flush_cents_ne.html
composting toilet overflow recycling bed:
"Recycling Beds" by C.M. Wilkinson, 2001:
<http://www.sun-mar.com/PDF%20Files/RecyclingBed2004.pdf>

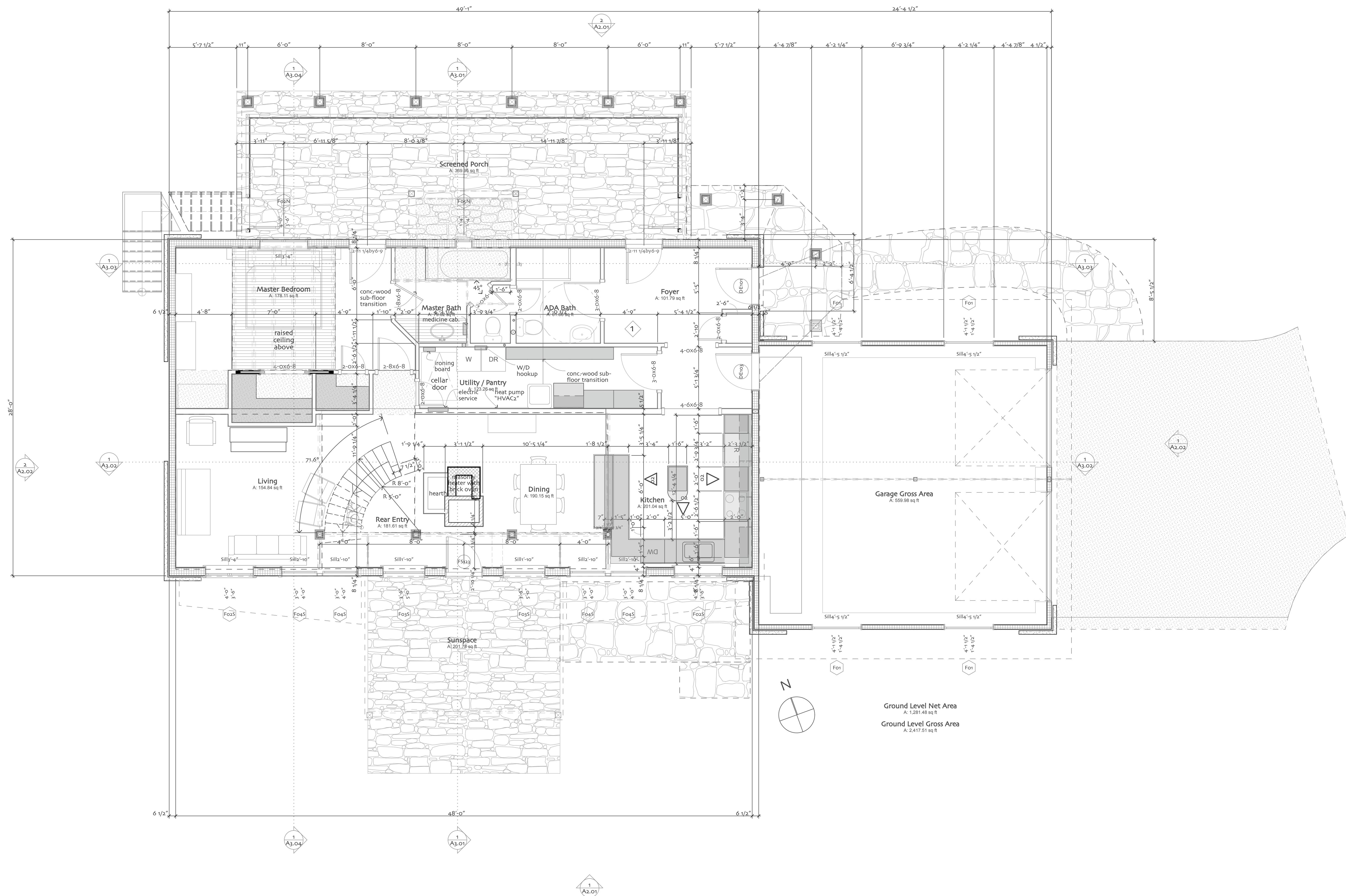
Site Grading & Drainage Plan

1" = 20'

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a Kansas entity not licensed to practice architecture in Mississippi

Ground Level Plan

$1/4''$ = $1'-0''$



Ground Level Plan

A1.01

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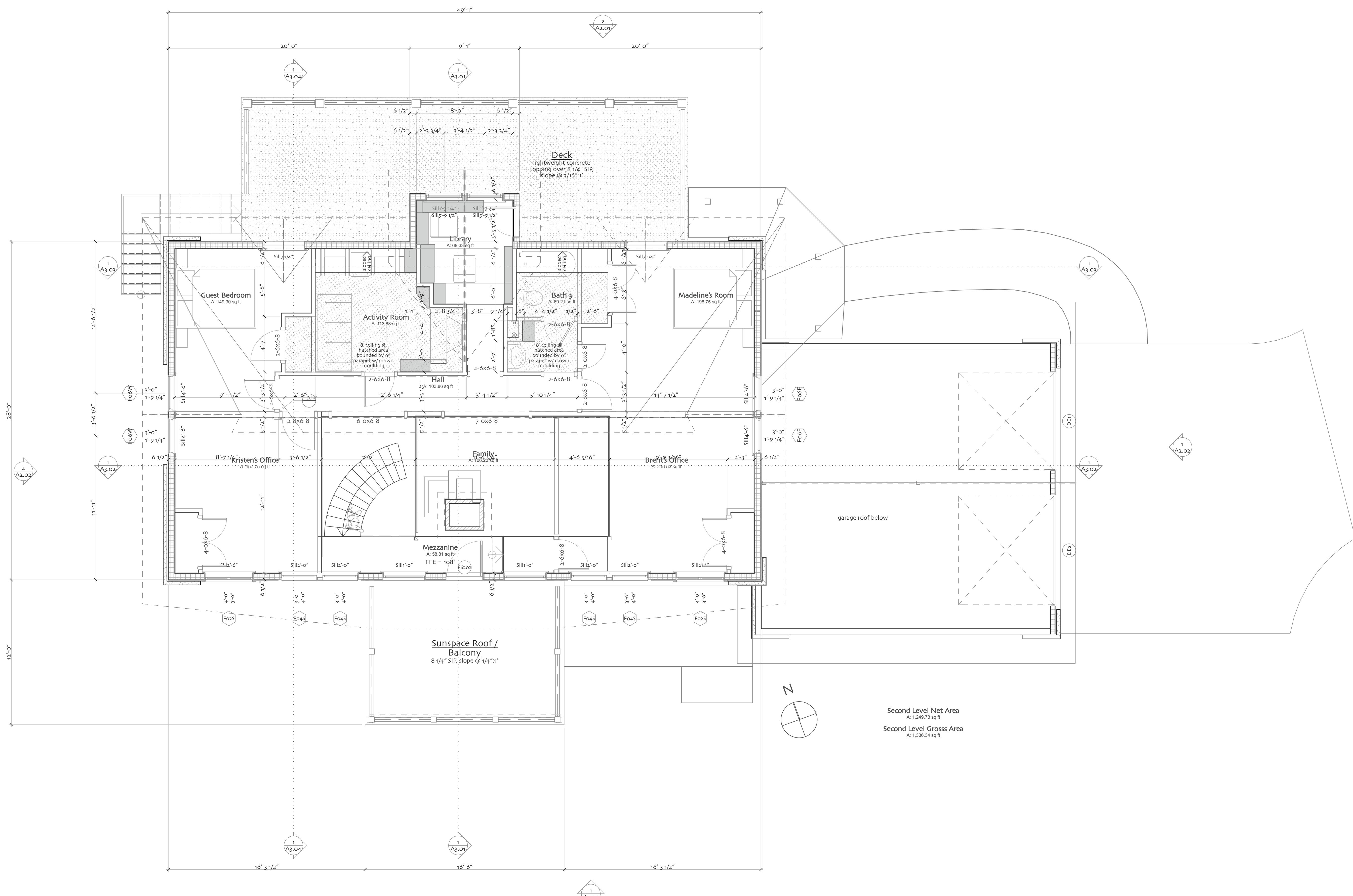
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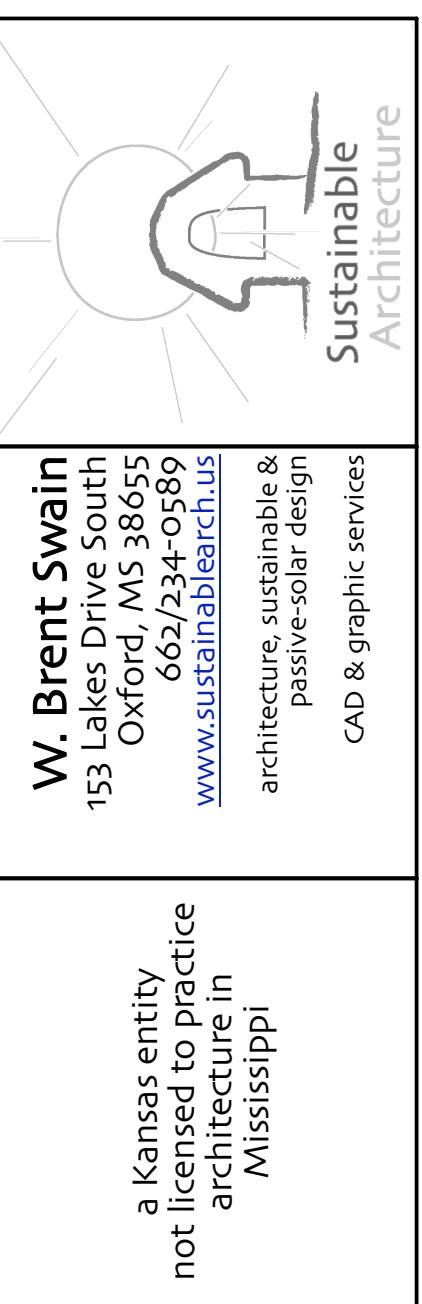
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Second Level Plan	Status:	Addenda:
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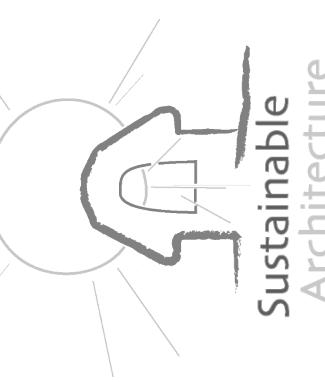


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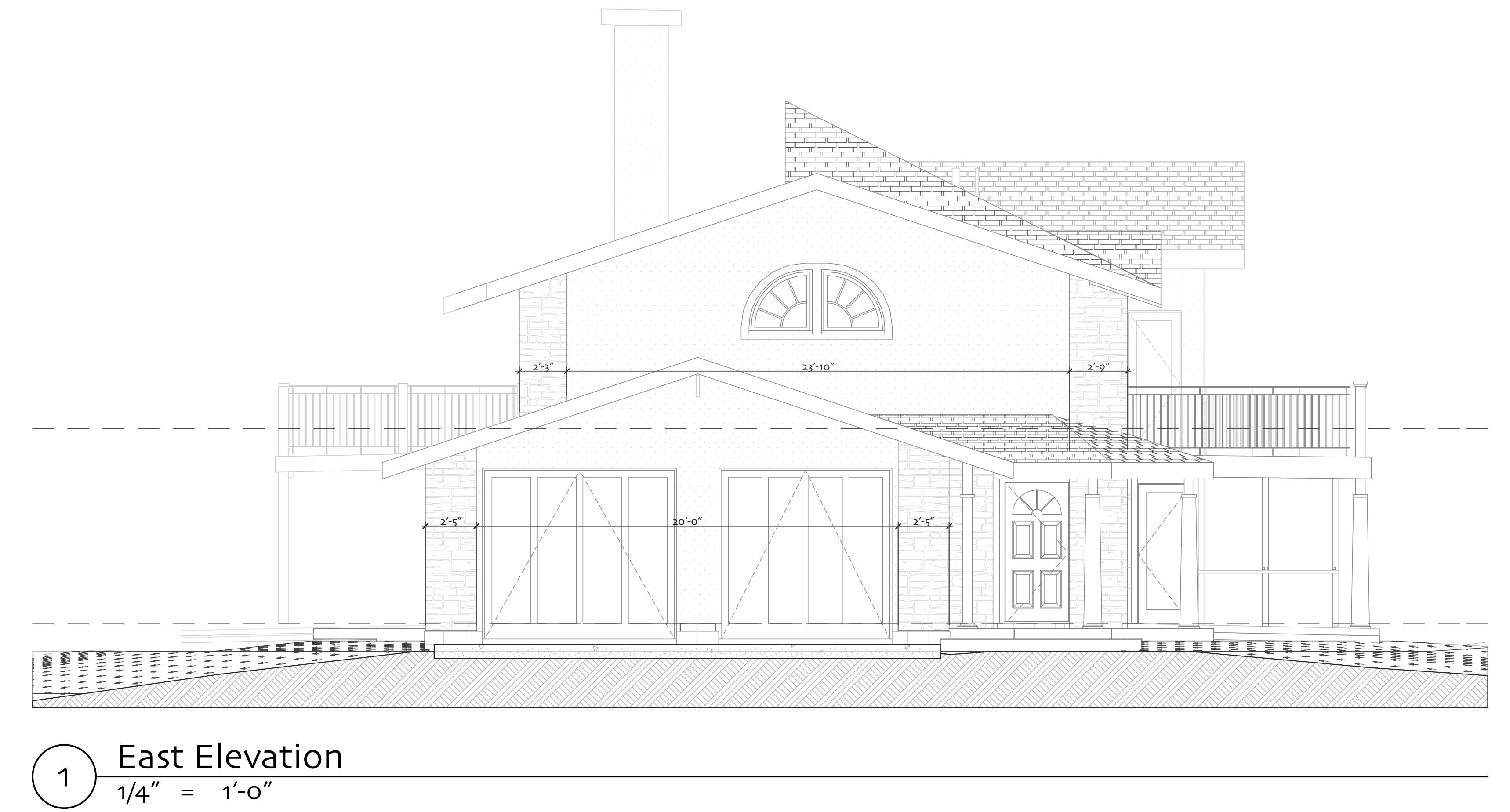
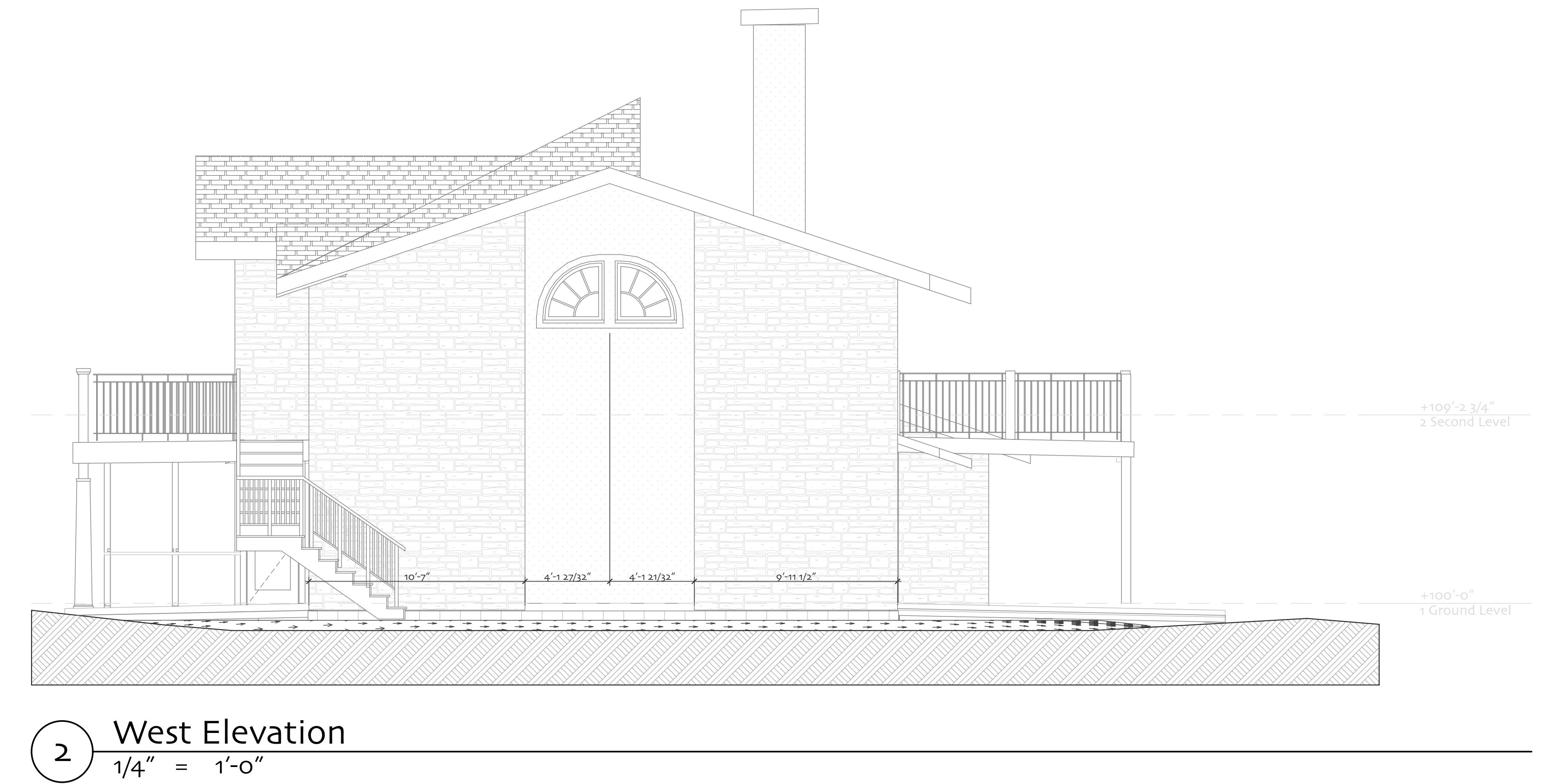
North & South Elevations	Status:	Addenda: ◇ ◇ ◇ ◇ ◇	
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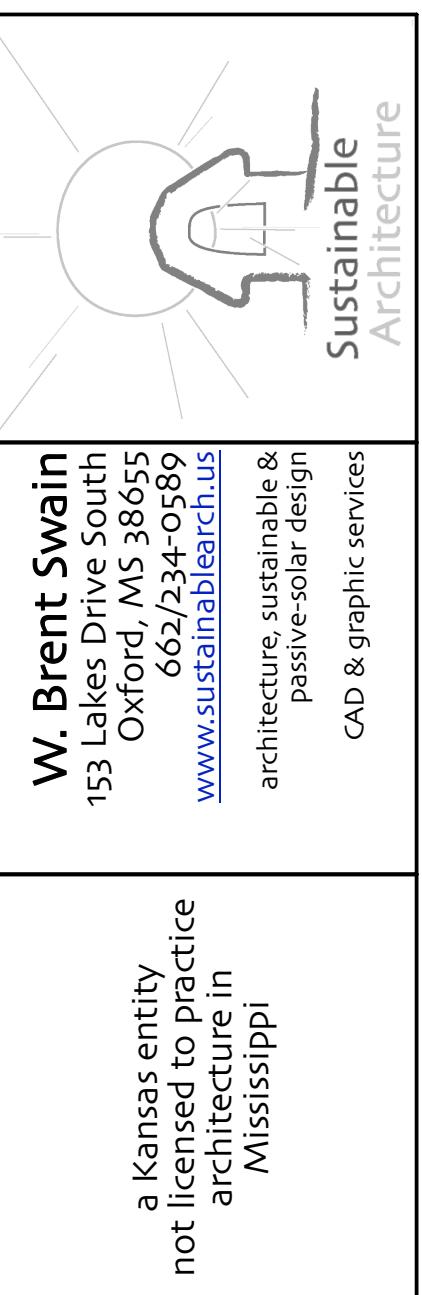
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A2.02

East & West Elevations	Status:	Addenda: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
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A Passive Solar Residence for

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153 Lakes Drive South
Oxford, MS 38655

Foundation

SO.01

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Foundation General and Key Notes

A. Substructure

A10 foundation
Foundation consists of standard foundations (A1010). See (A20) for basement construction.
R401

A20 basement construction
Basement construction shall consist of basement excavation and basement walls. See (A10) for foundation.

A1010 standard foundations
Standard foundations consist of wall foundations (A1010.100), point- and area-load foundations (A1010.200), and slab on grade (A1030).

A1010.100 wall foundations
Exterior wall foundations consist of turned down slab edge (A1010.120), turned down garage slab edge (A1010.120.201), and basement walls (A2020). Interior wall foundations consist of thickened slab (A1010.140), and basement walls (A2020).
R403

A1010.110 strip footing, general
All footings shall be a minimum of 12" below undisturbed ground. The tops of the footings must be level, and the bottom of the footings cannot exceed a 10-percent slope; footings shall be stepped when this is unavoidable. Provide foundation underdrain (A1010.110) for all strip footings at exterior bearing conditions.
R403.1

A1010.110.200 strip footing, 3-story solid masonry
Strip footing for 3-story 8" solid masonry, soil capacity 1500SF, 42" wide x 12" deep. Provide minimum (1) #4 bar top and bottom.
R403.1.3.2

A1010.120 turned-down slab edge, general
All footings shall bear a minimum of 12" below undisturbed ground. The tops of the footings must be level, and the bottom of the footings cannot exceed a 10-percent slope. Footings shall be stepped when this is unavoidable. Provide reinforcement per Section R403.1.3.2 of IRC 2006 – place bottom steel minimum 3" above bottom of footing.
R403.1

A1010.120.2102 turned-down slab edge, 1-story solid masonry
Strip footing for 1-story 8" solid masonry, soil capacity 1500SF, 16" wide x 8" deep. Provide (1) #5 bar at mid-depth.
R403.1.3.2

A1010.120.2201 turned-down garage slab edge, 1-story masonry veneer
Strip footing for 1-story 4-inch brick veneer over light frame or 8-inch hollow concrete masonry, soil capacity 1500SF, 12" wide x 8" deep. Slab edge shall have a profile to include a 5 1/2" wide brick ledge maintained at 6" to 12" above grade, and a 1 1/2" wide level curb with top placed even with the adjacent F.F.E. to support sill plates. The back face of the brick ledge shall be aligned with the face of exterior sheathing. Omit curb at garage doors as indicated. Provide (1) #5 bar at mid-depth.
R403.1.3.2

A1010.120.2501 turned-down slab edge, 2-story masonry veneer
Strip footing for 2-story 4-inch brick veneer over light frame or 8-inch hollow concrete masonry, soil capacity 1500SF, min. 21" wide x 8" deep. Provide (1) #5 bar at mid-depth. Provide 5 1/2" wide brick ledge to be above 6" and 12" above finish grade with back face of ledge aligned with face of sheathing. Omit brick ledge at door threshold as indicated.
R403.1.3.2

A1010.140.2101 thickened slab, 2-story
Thickened floor slab to 1 1/4" wide by 8" deep, measured from the top of the lower slab. Align step-down with center of thickened slab. Reinforce with (2) No. 4 bars continuous horizontal.

A1010.140.2102 thickened slab @ step down
Thickened floor slab to 1 1/4" wide by 8" deep, measured from the top of the lower slab. Align step-down with center of thickened slab. Reinforce with (2) No. 4 bars continuous horizontal.

A1010.200 point- and area-load foundations
Point- and area-load foundations consist of spread footings (A1010.210), thickened slab at step down (A1010.140.2102) and concrete pier (A1010.270).

A1010.210 spread footings
Spread footing, 12" thick with #4 bars @ 12" o.c.e.w. at bottom 1/3 depth and top 1/3 depth. Tie top steel to slab steel. Top of footing is level with top of slab. Where columns occur, Epoxy-set 5/8" dia. steel anchor bolt.

A1010.270 concrete pier
1 1/4" diameter drilled concrete pier with top surface torched at 1" minimum above finish grade. Set 5/8" steel anchor bolt with 7" embedment at center of steel post base location above and finish top surface of pier for drainage.

A1010.300 perimeter insulation
Foundation insulation of a minimum of R4.5

A1010.310 foundation underdrain
Foundation underdrain 4" pipe 4" diam. S.D.R. 35. Pipe bedding gravel 2 1/2" to 1 1/2". Pipe bedding should extend minimum 12" beyond the outside edge and 4" above the top of the footing. The bedding should be covered by a mesh filter membrane. Protect the top of all open joints in drain tile with strips of building paper. Place drainage tile or perforated pipe on a minimum of 2" washed gravel or crushed rock at least one sieve size larger than the tile joint opening or perforation. Cover tiles or pipe with minimum 6" of the same material.
R406

A1010.320 foundation damproofing, general
Provide foundation damproofing to all concrete or masonry foundation walls that enclose interior space below grade. See foundation damproofing, ICF (A1010.320.1430) for damproofing of ICF foundation walls. Whenever a high water table or other severe soil-water conditions exist, foundation waterproofing of all basement walls is required (A1010.330.1401). Foundation shall extend from the top of the footing to finished grade. Masonry walls shall have minimum 3/8" parging applied to the exterior face unless the damproofing product is approved for direct application on masonry.
R404

A1010.320.1401 foundation damproofing, option 1
Bituminous asphalt coating

A1010.320.1402 foundation damproofing, option 2
Acrylic modified cement applied at 3# per square yard.

A1010.320.1403 foundation damproofing, option 3
Surface-bonding cement complying with ASTM C 887, applied to minimum 1/8" thickness

A1010.320.1404 foundation damproofing, option 4
foundation waterproofing (A1010.330)

A1010.320.1430 foundation damproofing, ICF
Waterproofing (A1010.330) shall be applied to all below grade ICFs.

A1010.330 foundation waterproofing, general
Wherever a high water table or other severe soil-water conditions exist, foundation waterproofing of all basement walls is required. Foundation shall extend from the top of the footing to finished grade. Masonry walls shall have minimum 3/8" parging applied to the exterior face unless the waterproofing product is approved for direct application on masonry. Damproofing shall be selected from one of the Foundation Damproofing options. See foundation waterproofing, ICF (A1010.330.1430) for additional requirements for ICF foundation wall construction. All joints in membrane waterproofing shall be lapped and sealed with an adhesive compatible with the membrane.
R406

A1010.330.1401 foundation waterproofing, option 1
2-ply hot-mopped felts

A1010.330.1402 foundation waterproofing, option 2
55# roll roofing

A1010.330.1403 foundation waterproofing, option 3
6-mil polyvinyl chloride

A1010.330.1404 foundation waterproofing, option 4
6-mil polyethylene

A1010.330.1405 foundation waterproofing, option 5
40-mil polymer-modified asphalt

A1010.330.1406 foundation waterproofing, option 6
60-mil flexible polymer cement

A1010.330.1407 foundation waterproofing, option 7
1/8" cement based, fiber-reinforced waterproof coating

A1010.330.1408 foundation waterproofing, option 8
80-mil solvent-free liquid-applied synthetic rubber

A1010.330.1430 foundation waterproofing, ICF
Organic-solvent based products (e.g. hydrocarbons, chlorinated hydrocarbons, ketones, esters) shall not be used on ICF polyethylene membranes. Roofing felts, acrylic coatings, latex coatings, mortars, and parings to seal ICF walls is permitted. Cold-setting asphalt or hot asphalt shall conform to type C of ASTM D 449. Hot asphalt shall be applied at a temperature of less than 200°F.

A1020 Special Foundations

A1030 slab on grade
Slab on Grade consists of interior slab on grade, hydronic radiant heated slab on grade, and garage slab on grade. Slab recesses occur where tile and wood floor are specified in the finish schedule, and for shower pan as indicated.

A1030.120.2221 interior slab on grade
Interior Slab On Grade, minimum of 5" thick with a compressive strength of 2500f' c over under-slab drainage & insulation, engineered subgrade (A1030.500).

A1030.120.2222 hydronic radiant heated slab on grade
5" concrete slab on No. 4 bars at 2" o.c.e.w. over under-slab drainage & insulation, granular mat (A1030.501). Install PEX tubing attached to reinforcing bars for radiant floor heating. Heating system shall be designed by a qualified contractor with tubing placed 1" minimum away from framed wall locations above and transfer between rooms at doorway openings. Collect all tubing and run to manifold(s) at Basement.

A1030.150 slab recess
Recess top of 1 1/2" for floor finish. For shower, recess as required to accommodate prefabricated shower pan, or slope top of floor slab down to shower drain at 1" minimum below Main Floor line.

A1030.210 garage slab on grade
Inclined slab grade, 5" thick with a compressive strength of 3000f' c with No. 4 bars at 2" o.c.e.w. over engineered subgrade. See turn down garage slab edge (A1010.220.201). Slope floor down to 1 1/2" per foot minimum to overhead door as indicated and recess top of slab 1" additional at overhead door locations. Use continuous 1/4" expansion joint material at slab edge adjacent to interior floor slab.

A1030.500 under-slab drainage & insulation, engineered subgrade
Place a 6-mil polyethylene moisture retarder under the specified slab on grade over the specified compacted engineered fill with joints lapped not less than 6".
R406

A1030.501 under-slab drainage & insulation, granular mat
A 4" thick mat of granular material shall be placed on prepared engineered fill. This material shall be naturally-occurring earth material fairly well-graded with an upper particle size diameter of 1". A minimum of 30% should pass the No. 10 sieve and a maximum of 5% should pass the No. 200 sieve. This material shall be spread uniformly over the sub-grade, and tamped or rolled to provide a firm, true surface for placing concrete. A moisture barrier shall be placed over the granular material and lapped a 6" minimum. Provide 1" polystyrene insulation lapped 6".
R406

A1030.320 foundation damproofing, general
Provide foundation damproofing to all concrete or masonry foundation walls that enclose interior space below grade. See foundation damproofing, ICF (A1010.320.1430) for damproofing of ICF foundation walls. Whenever a high water table or other severe soil-water conditions exist, foundation waterproofing of all basement walls is required (A1010.330.1401). Foundation shall extend from the top of the footing to finished grade. Masonry walls shall have minimum 3/8" parging applied to the exterior face unless the damproofing product is approved for direct application on masonry.
R404

A2020 basement excavation
Excavate 2' to 6' out from foundation wall and backfill with gravel. Provide foundation underdrain (A1010.310) for all strip footings.

A2020.110 walls, cast in place
Walls, cast in place, shall consist of concrete or masonry wall (A2020.120) meeting all requirements of Section R404.1 of IRC 2006.

A2020.120 concrete or masonry wall
Concrete or masonry foundation walls shall be minimum 7.5" thick with top and bottom elevations as indicated in the foundation plan, not to exceed 8' high. Per R404.1.4 (Seismic Do), reinforcement shall be as specified in Reinforcing Steel (A2020.160). Provide a 5 1/2" brick ledge at exterior walls maintained at 6" to 12" above finish grade. Omit brick ledge at exterior doors as indicated. Provide sill plate anchorage to the top of the wall or sill Anchorage (A2020.170). Follow requirements for basement excavation (A1010.40).

A2020.160 fnd. wall reinforcement, seismic Do, D1, D2
Per R404.1.4: A continuous horizontal #4 bar shall be located in the top 12" of the wall. Vertical reinforcement shall consist of one #3 bar at 4 o.c. maximum and tied to the horizontal reinforcement. In masonry, reinforcement shall be in grouted cells.

A2020.170 sill anchorage
Per R403.1.6, anchor bolts shall be minimum 1/2" dia. and shall extend 7" into the foundation wall. Sill plates shall be protected against decay from termites according to R319 and R22. Per R404.1.6 for seismic Do, treated 3/4" plates shall be anchored to the top of the concrete wall with a b. @ 4 o.c. min and located not more than 12" or 7" bolt dia. from each end. Plate washers are to be .229" x 7" X 3" and up to 3/4" larger than the bolt diameter with a slotted hole permitted up to 1 3/4", installed between the sill plate and the nut.

A2020.110 walls, cast in place
Walls, cast in place, shall consist of concrete or masonry wall (A2020.120) meeting all requirements of Section R404.1 of IRC 2006.

A2020.120 concrete or masonry wall
Concrete or masonry foundation walls shall be minimum 7.5" thick with top and bottom elevations as indicated in the foundation plan, not to exceed 8' high. Per R404.1.4 (Seismic Do), reinforcement shall be as specified in Reinforcing Steel (A2020.160). Provide a 5 1/2" brick ledge at exterior walls maintained at 6" to 12" above finish grade. Omit brick ledge at exterior doors as indicated. Provide sill plate anchorage to the top of the wall or sill Anchorage (A2020.170). Follow requirements for basement excavation (A1010.40).

A2020.160 fnd. wall reinforcement, seismic Do, D1, D2
Per R404.1.4: A continuous horizontal #4 bar shall be located in the top 12" of the wall. Vertical reinforcement shall consist of one #3 bar at 4 o.c. maximum and tied to the horizontal reinforcement. In masonry, reinforcement shall be in grouted cells.

A2020.170 sill anchorage
Per R403.1.6, anchor bolts shall be minimum 1/2" dia. and shall extend 7" into the foundation wall. Sill plates shall be protected against decay from termites according to R319 and R22. Per R404.1.6 for seismic Do, treated 3/4" plates shall be anchored to the top of the concrete wall with a b. @ 4 o.c. min and located not more than 12" or 7" bolt dia. from each end. Plate washers are to be .229" x 7" X 3" and up to 3/4" larger than the bolt diameter with a slotted hole permitted up to 1 3/4", installed between the sill plate and the nut.

A2020.180 foundation waterproofing, general
Wherever a high water table or other severe soil-water conditions exist, foundation waterproofing of all basement walls is required (A1010.330.1401). Foundation shall extend from the top of the footing to finished grade. Masonry walls shall have minimum 3/8" parging applied to the exterior face unless the waterproofing product is approved for direct application on masonry. Damproofing shall be selected from one of the Foundation Damproofing options. See foundation waterproofing, ICF (A1010.330.1430) for additional requirements for ICF foundation wall construction. All joints in membrane waterproofing shall be lapped and sealed with an adhesive compatible with the membrane.
R406

A2020.190 foundation waterproofing, option 1
2-ply hot-mopped felts

A2020.200 foundation waterproofing, option 2
55# roll roofing

A2020.210 foundation waterproofing, option 3
6-mil polyvinyl chloride

A2020.220 foundation waterproofing, option 4
6-mil polyethylene

A2020.230 foundation waterproofing, option 5
40-mil polymer-modified asphalt

A2020.240 foundation waterproofing, option 6
60-mil flexible polymer cement

A2020.250 foundation waterproofing, option 7
1/8" cement based, fiber-reinforced waterproof coating

A2020.270 foundation waterproofing, option 8
80-mil solvent-free liquid-applied synthetic rubber

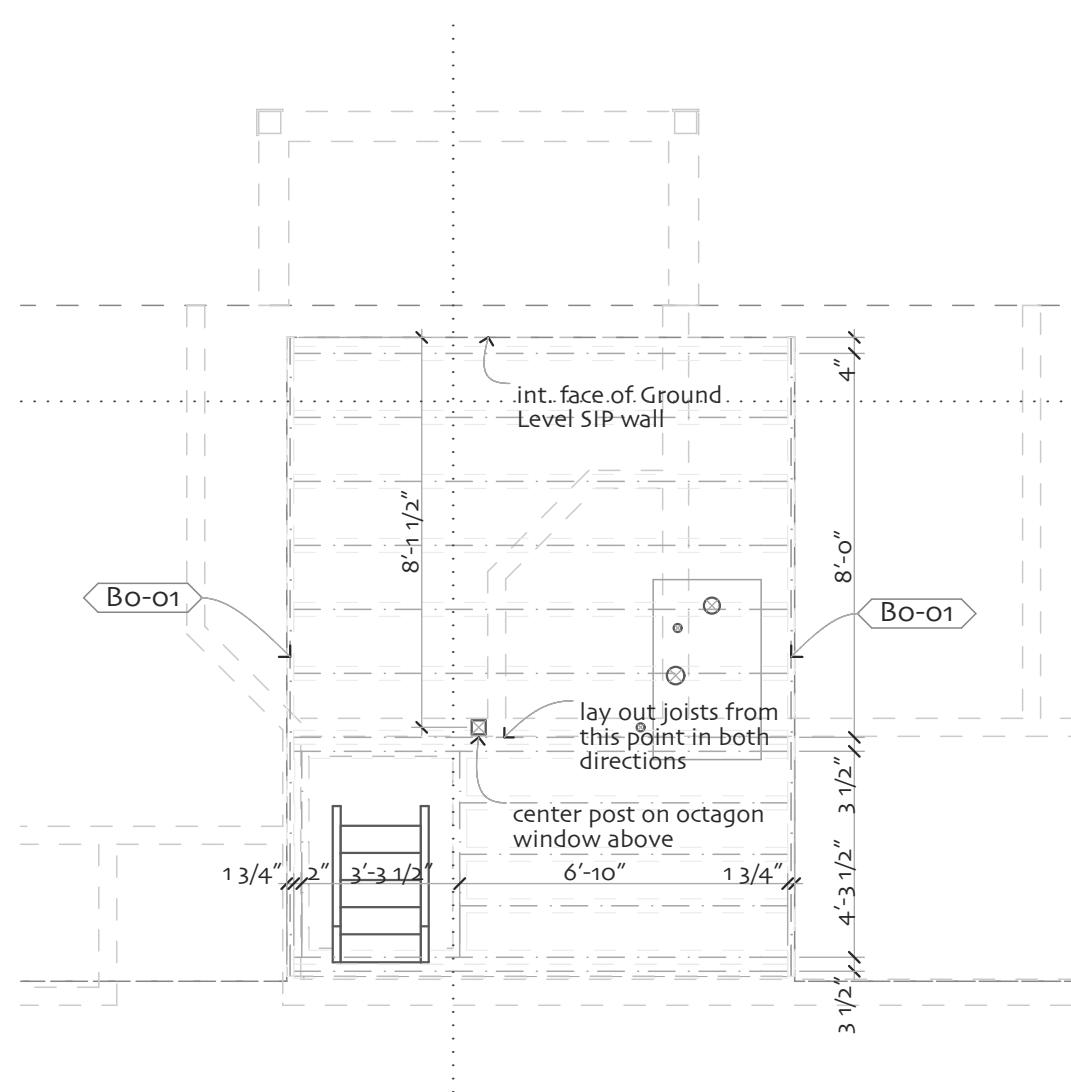
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80-mil solvent-free liquid-applied synthetic rubber

A2020.290 foundation waterproofing, option 10
80-mil solvent-free liquid-applied synthetic rubber

A2020.300 foundation waterproofing, option 11
80-mil solvent-free liquid-applied synthetic rubber

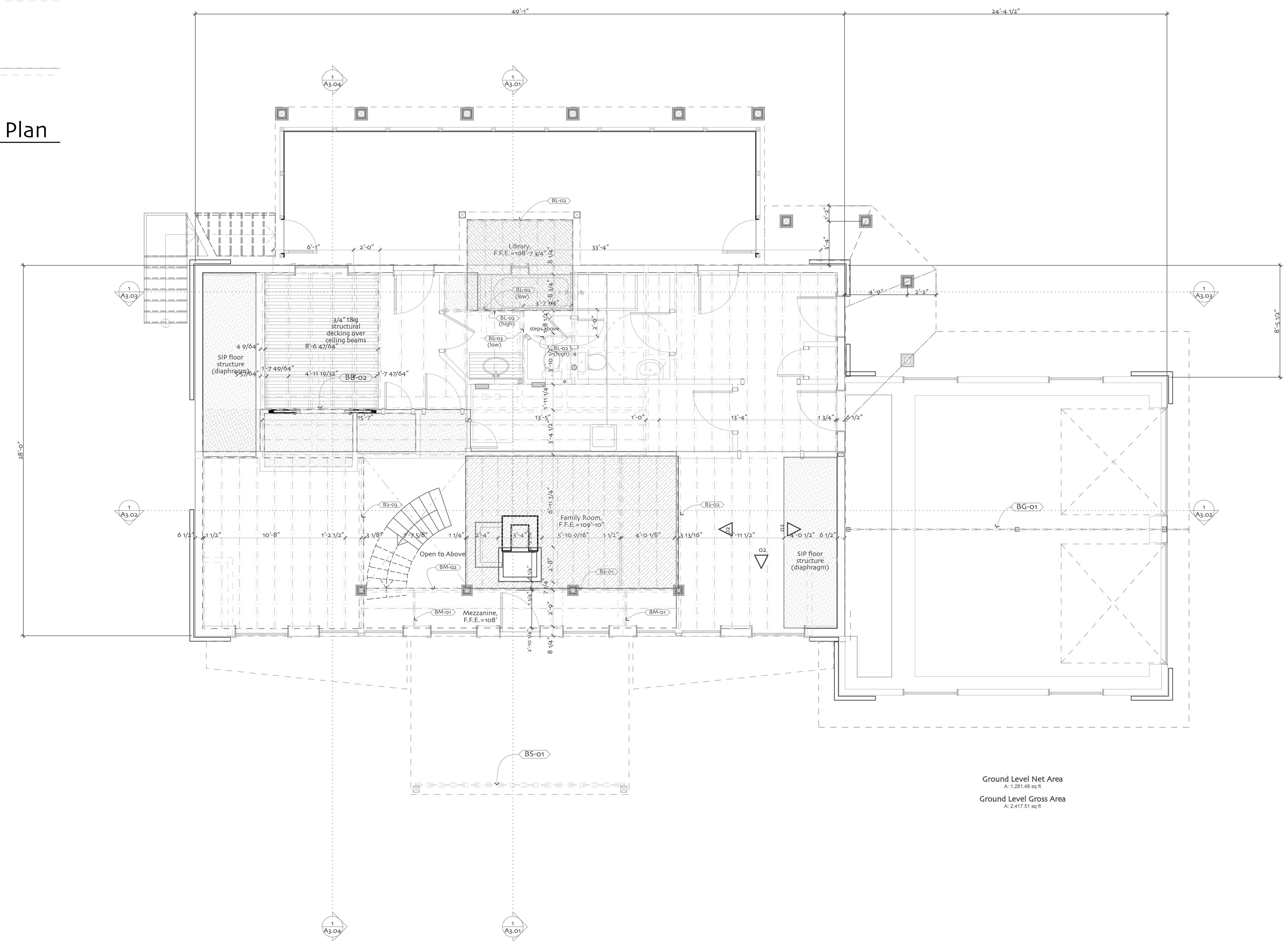
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80-mil solvent-free liquid-applied synthetic rubber

A2020.320 foundation waterproofing, option 13
80-mil solvent-free liquid-applied synthetic rubber</



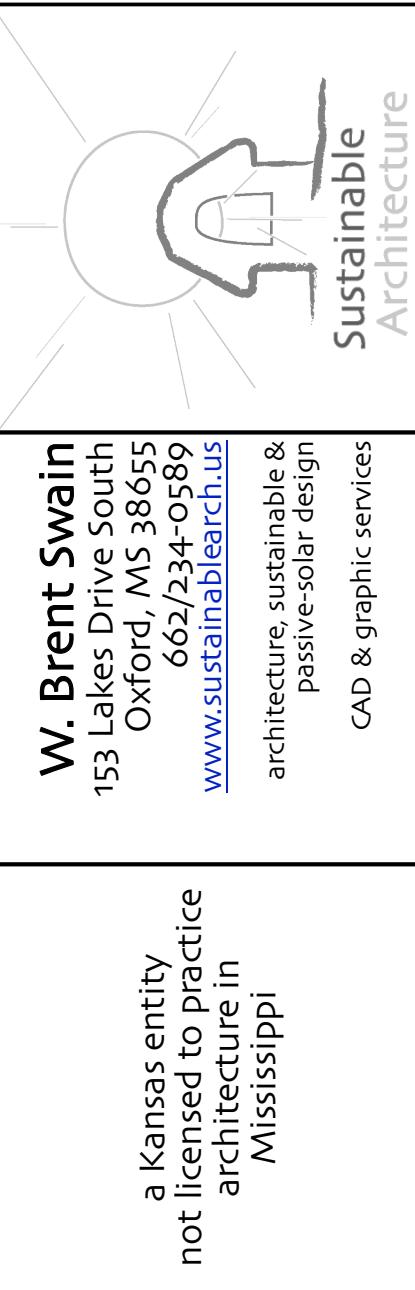
Ground Level Framing Plan

$$1/4'' = 1'-0''$$



Second Level Framing Plan

$$\frac{1}{4}'' = 1'-0$$



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A Passive Solar Residence for
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Framing Plans

S1.01

Status:

Addenda:

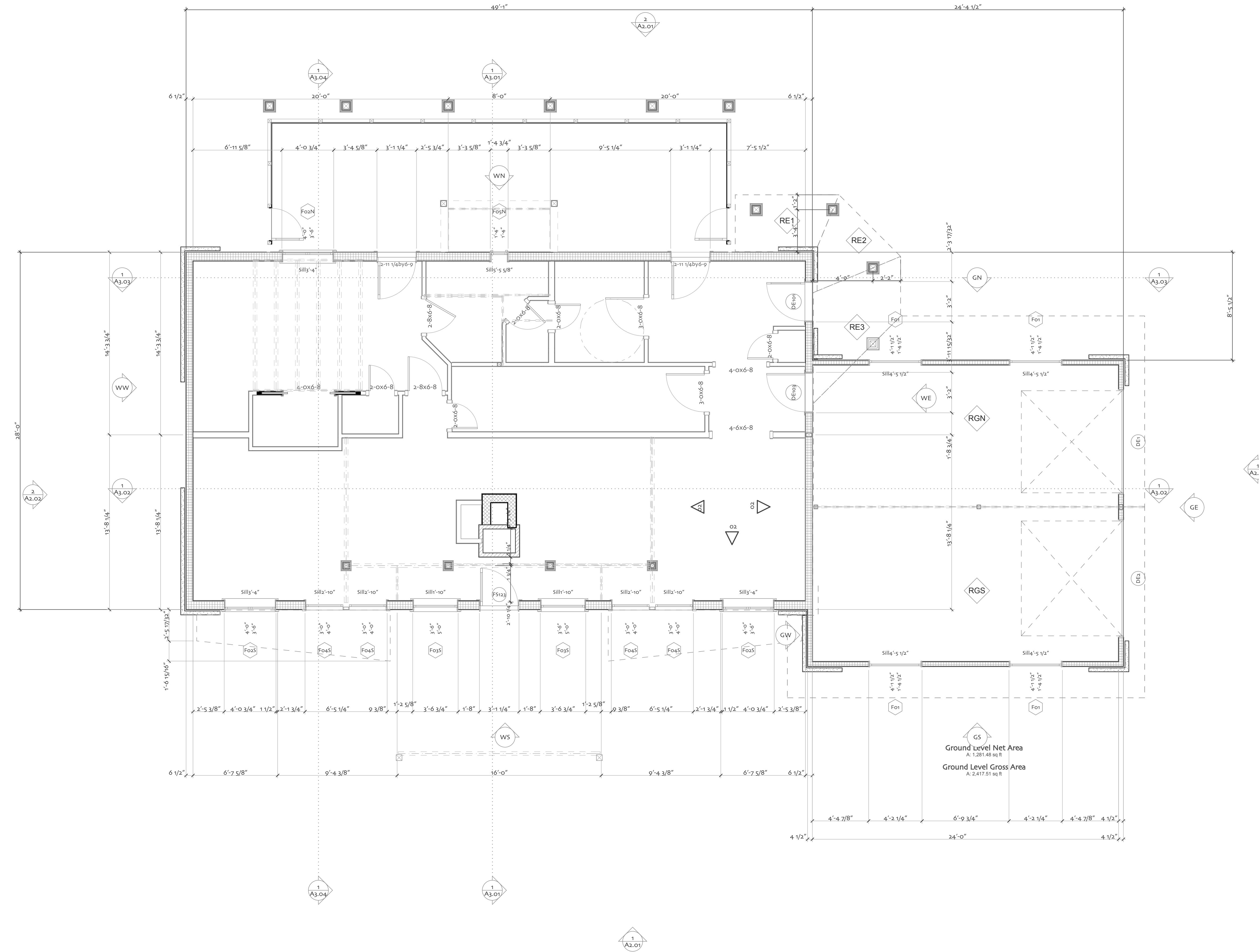


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Ground Level SIP Plan

$1/4''$ = $1'-0''$

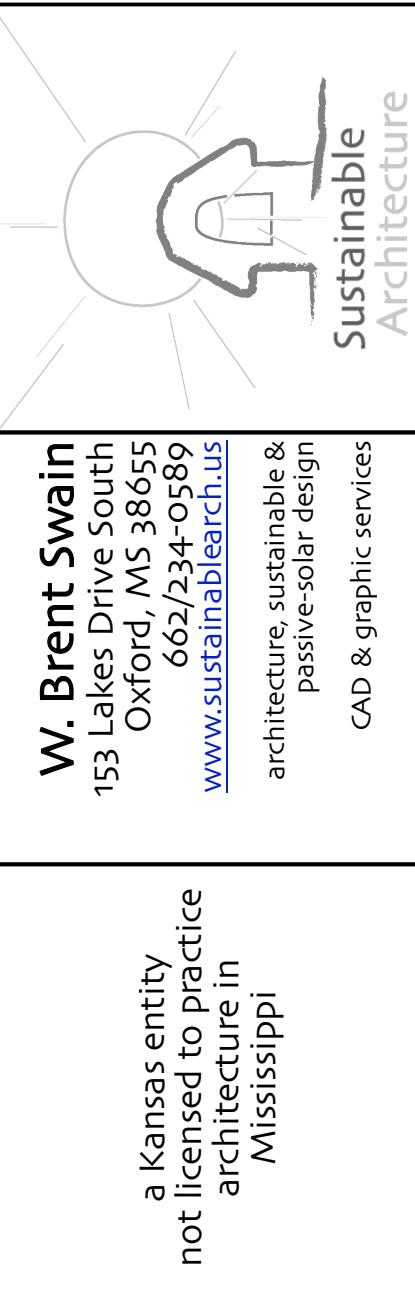


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Ground Level S.I.P. Plan

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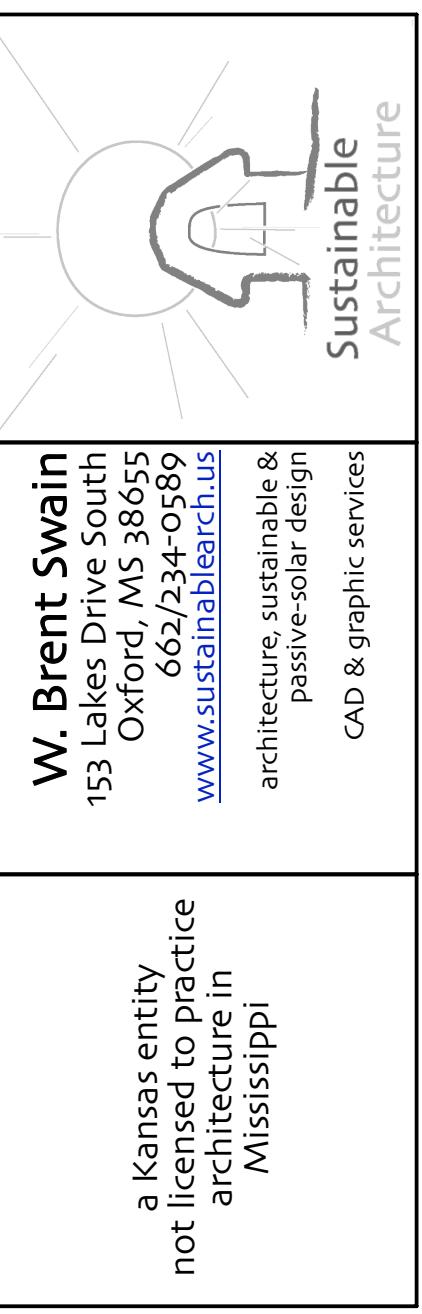
A Passive Solar Residence for
W. Brent & Kristen A. Swain
153 Lakes Drive South
Oxford, MS 38655



A vertical business card for W. Brent Swain, Architect. The card features a hand-drawn style illustration of a house with a sunburst effect behind it. The contact information is as follows:

W. Brent Swain
153 Lakes Drive South
Oxford, MS 38655
662/234-0589
www.sustainablesearch.us

To the right of the contact information, there is descriptive text: "architecture, sustainable & passive-solar design" and "CAD & graphic services". At the bottom, it says "a Kansas entity" and "not licensed to practice architecture in Mississippi".

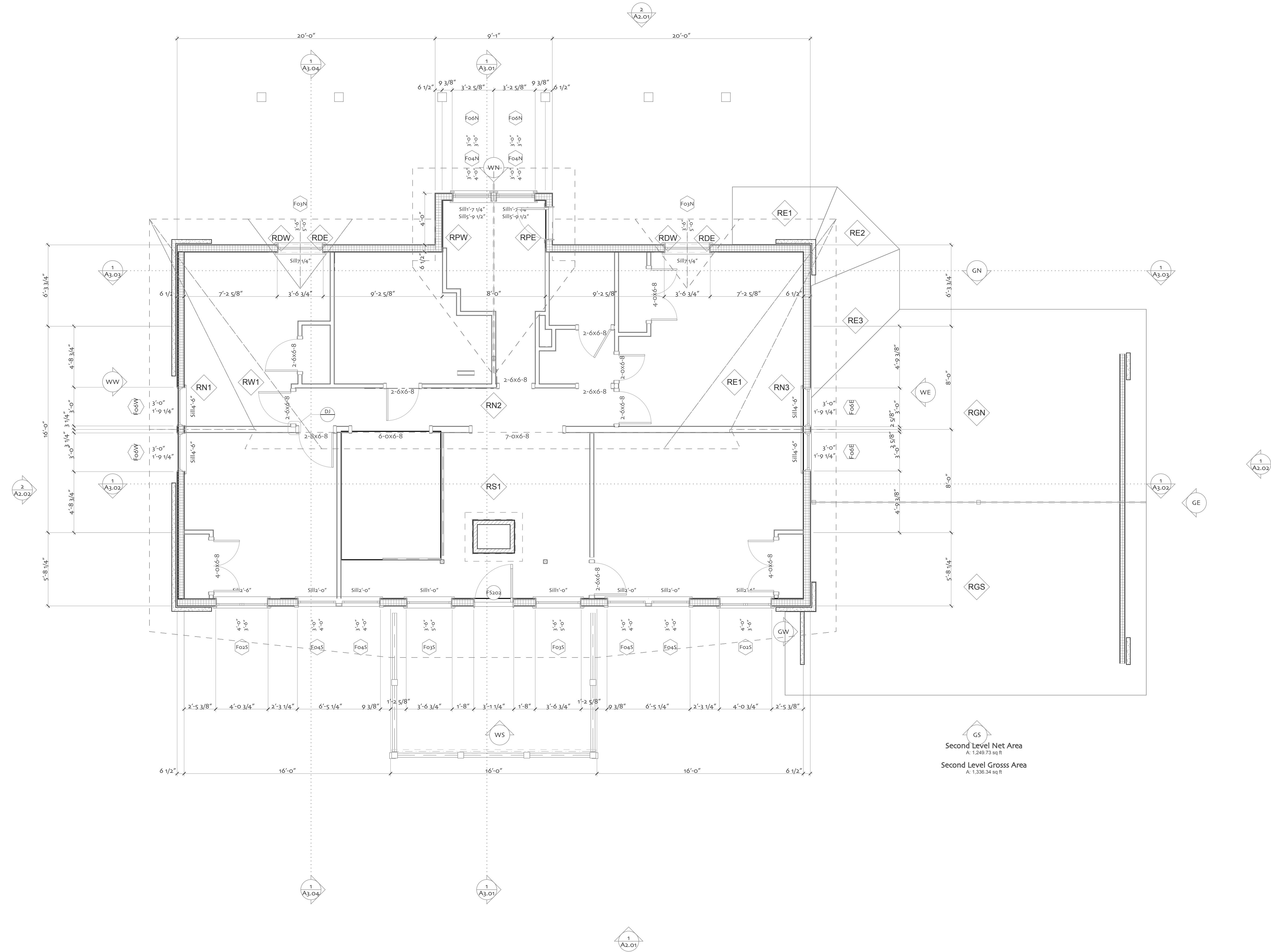


A Passive Solar Residence for **W. Brent & Kristen A. Swain**

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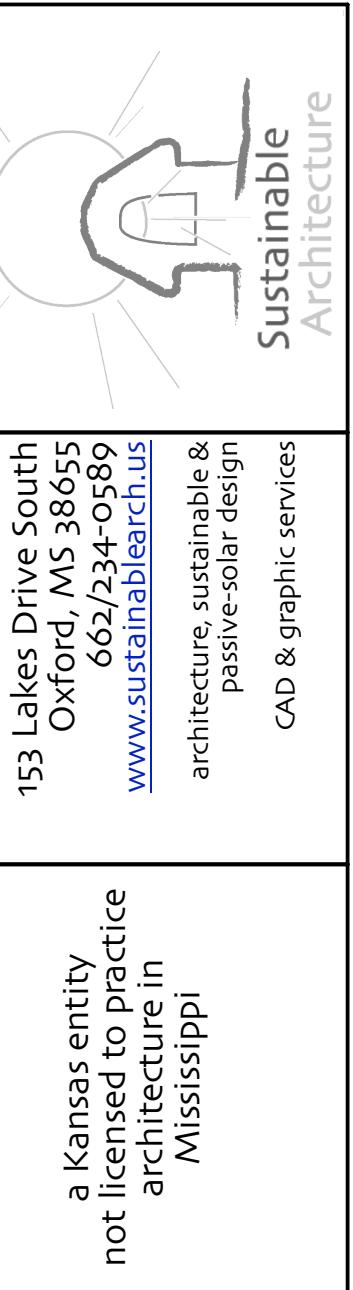
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Upper Level S.I.P. Plan	Status:	Addenda:
S2.02	design-build © copyright 2008 Issue: 10/25/2008	



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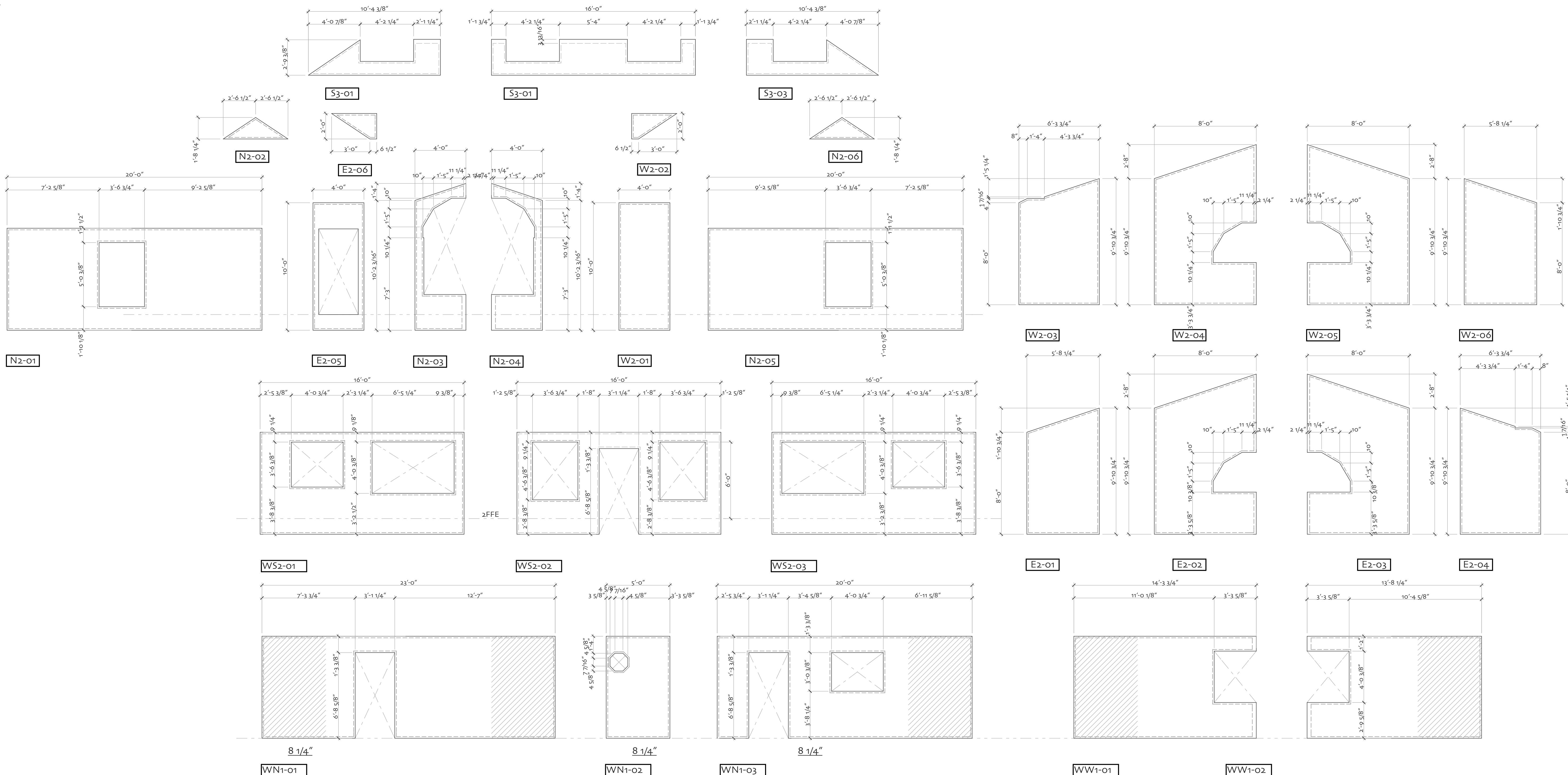
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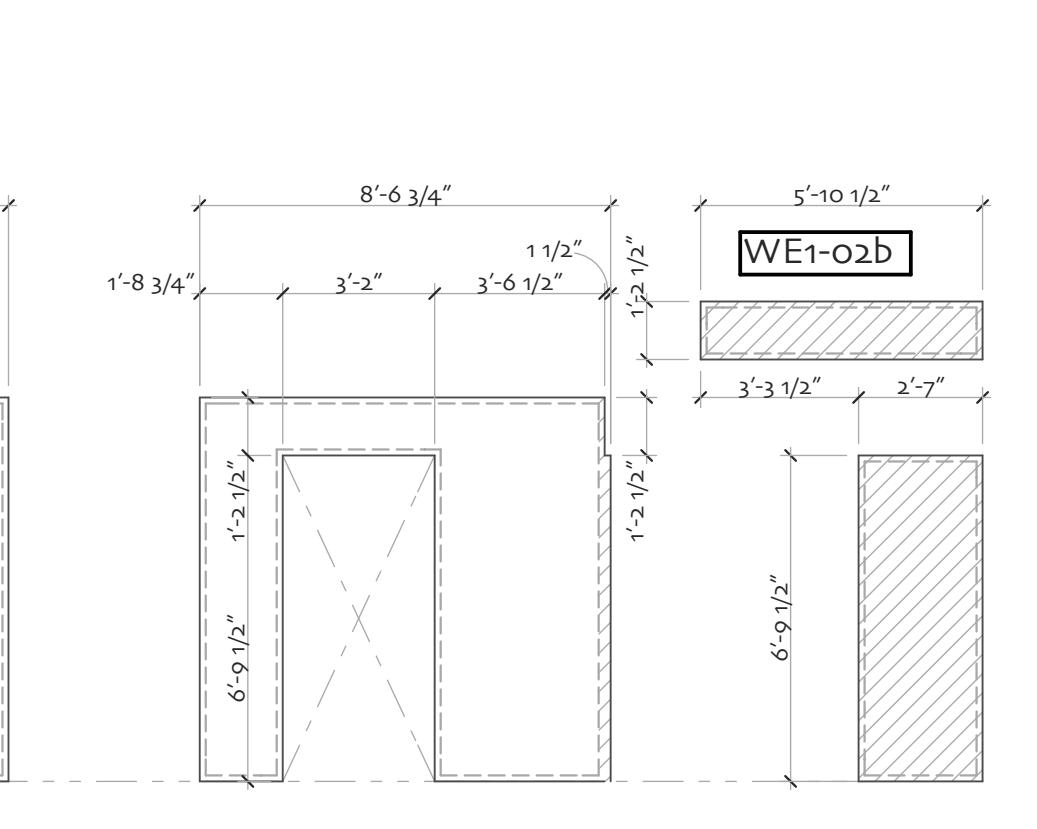
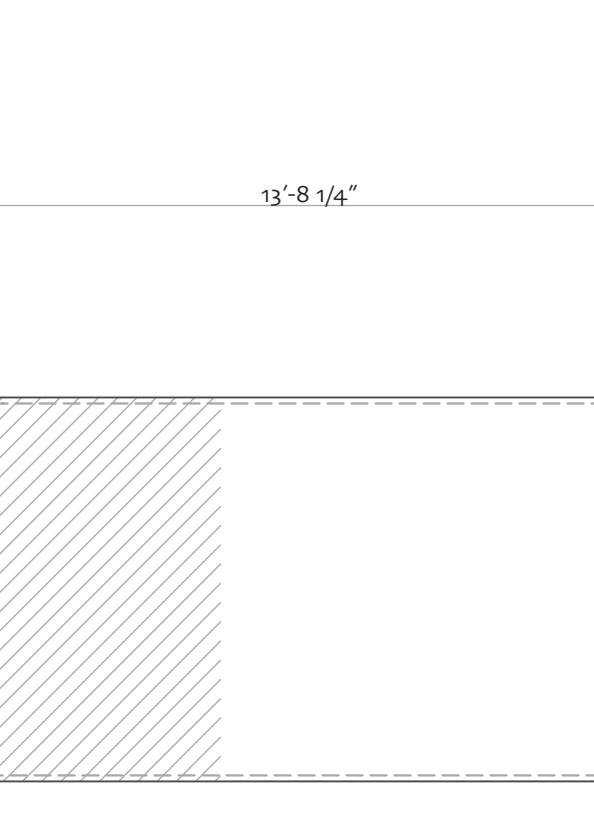
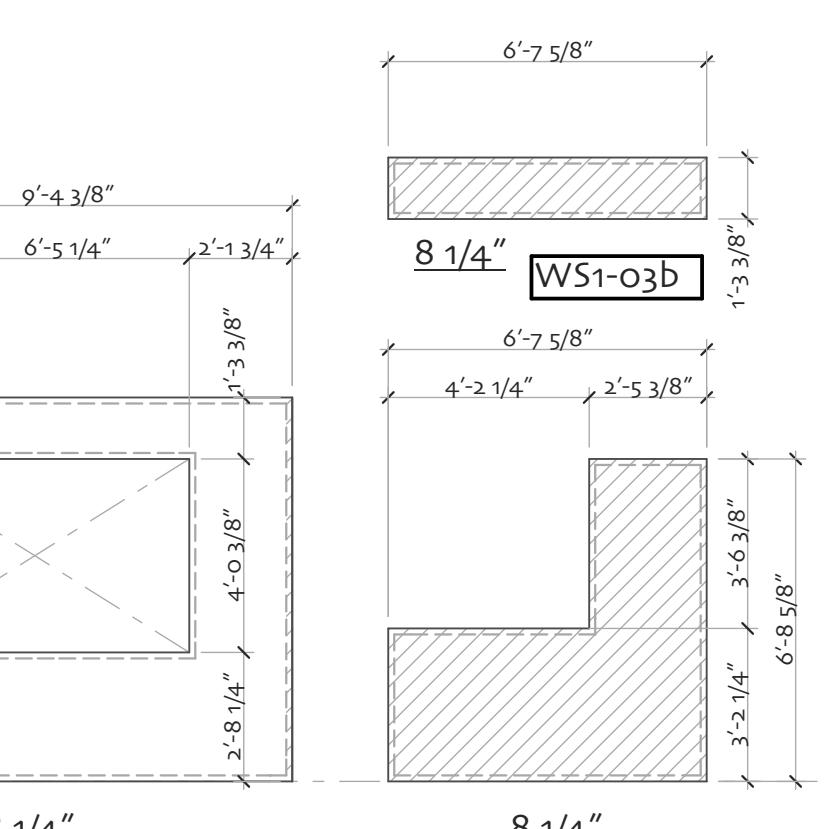
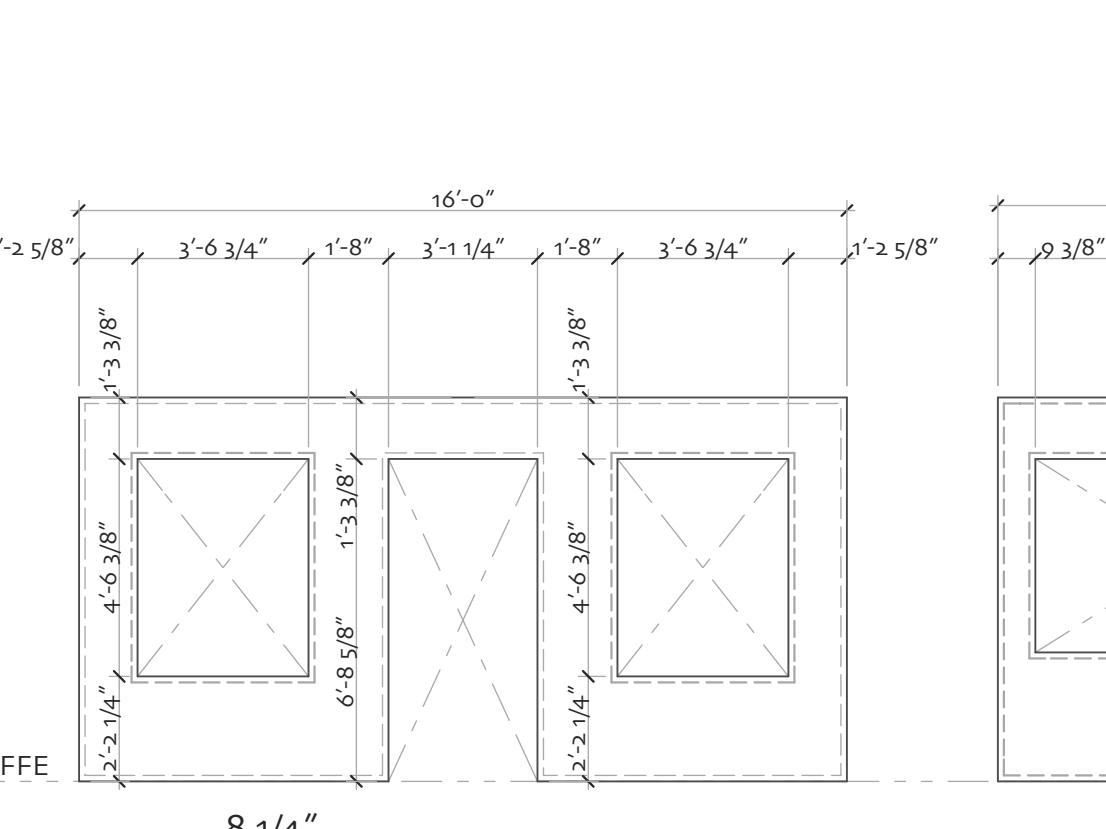
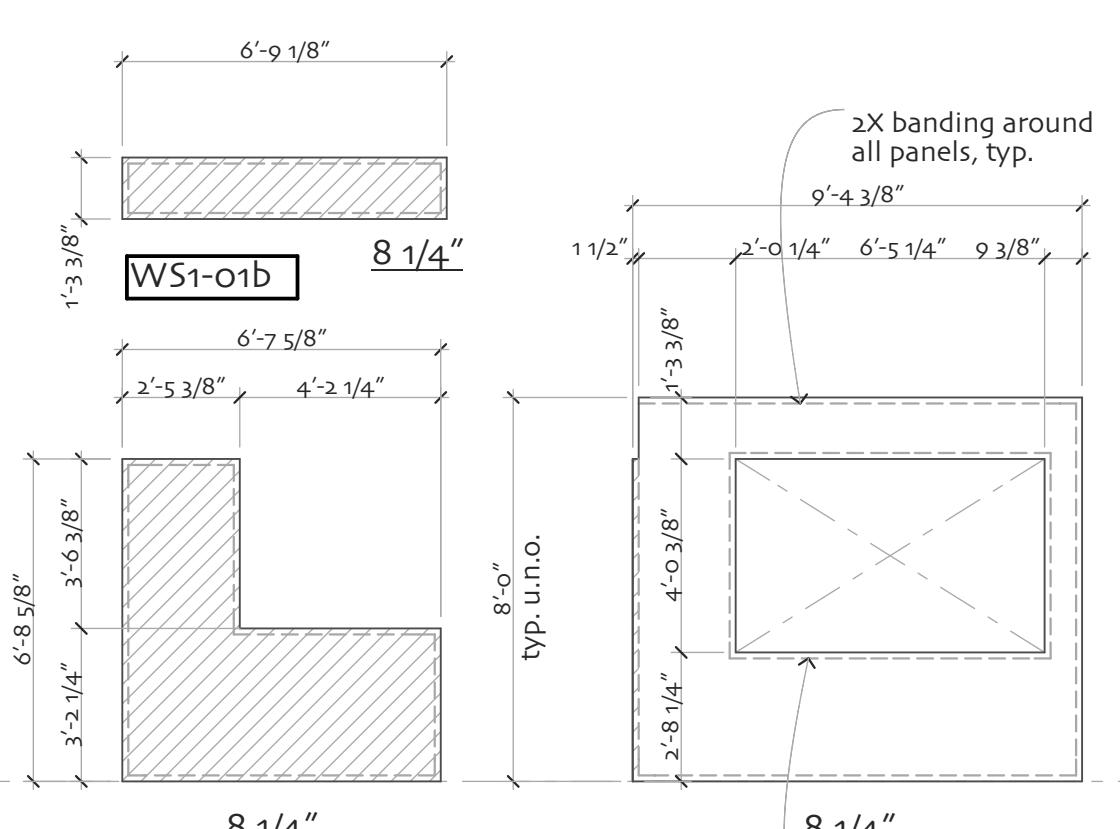


Note: Panel WN1-01 is to meet the requirements of IRC2006 R602.10.3, method 3 for Seismic Do.

Note: Panel WN1-03 is to meet the requirements of IRC2006 R602.10.3, method 3 for Seismic Do.

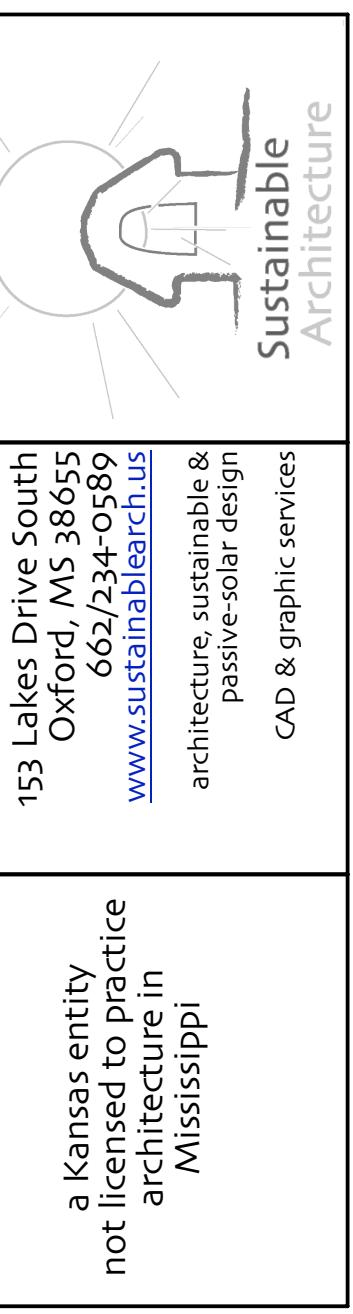
Note: Panel WW1-01 is to meet the requirements of IRC2006 R602.10.3, method 3 for Seismic Do.

Note: Panel WW1-02 is to meet the requirements of IRC2006 R602.10.3, method 3 for Seismic Do.



S.I.P. wall fabrication

1/4" = 1'-0"

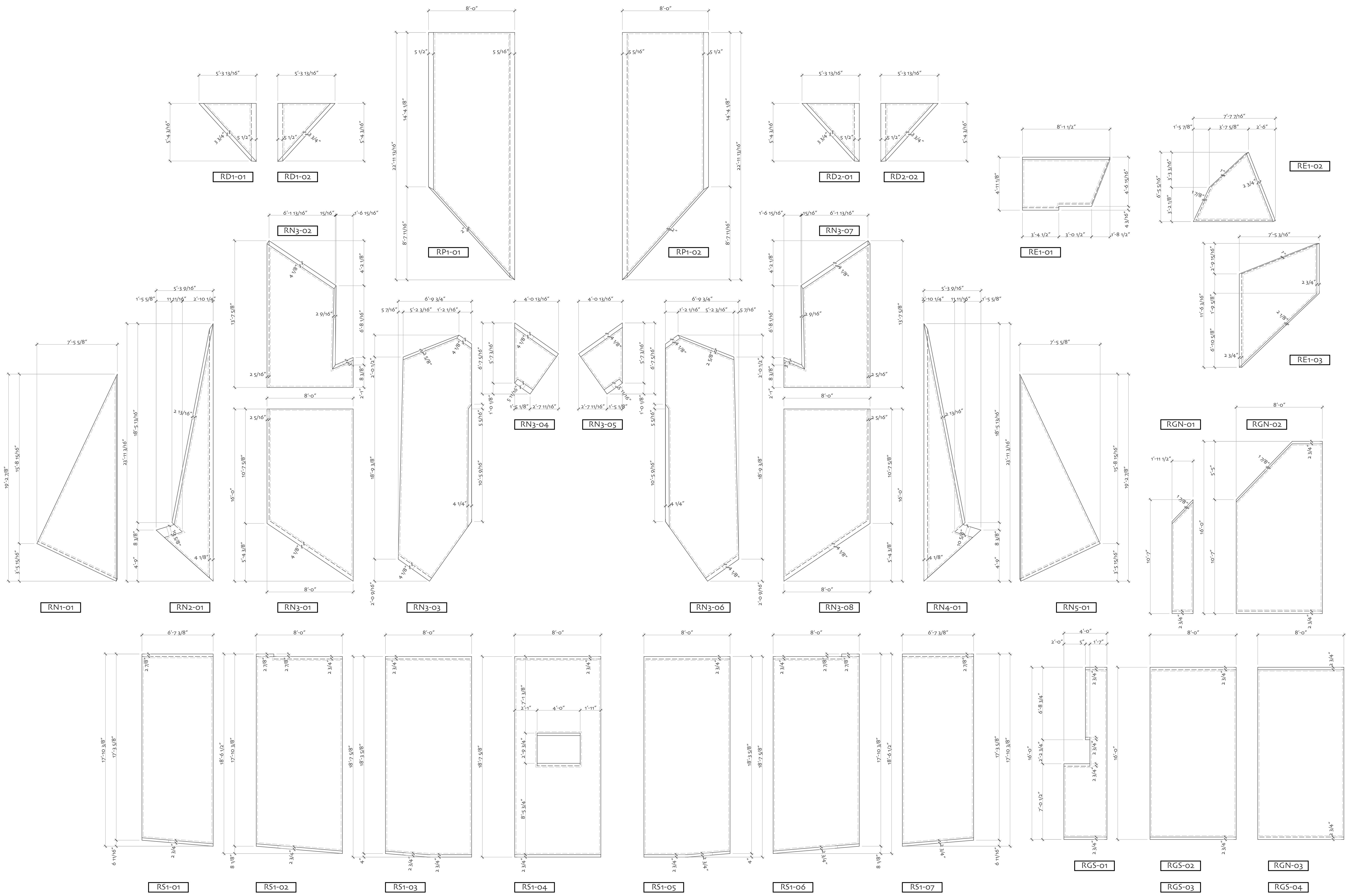


A Passive Solar Residence for W. Brent & Kristen A. Swain

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S.I.P.s Roofs	Status:	Addenda:
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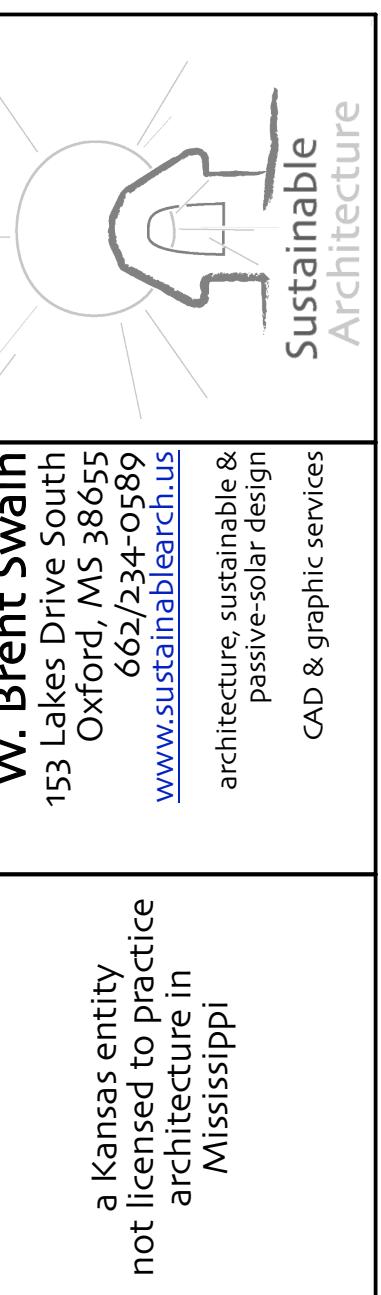
S2.04



1 S.I.P. roof fabrication
1/4" = 1'-0"

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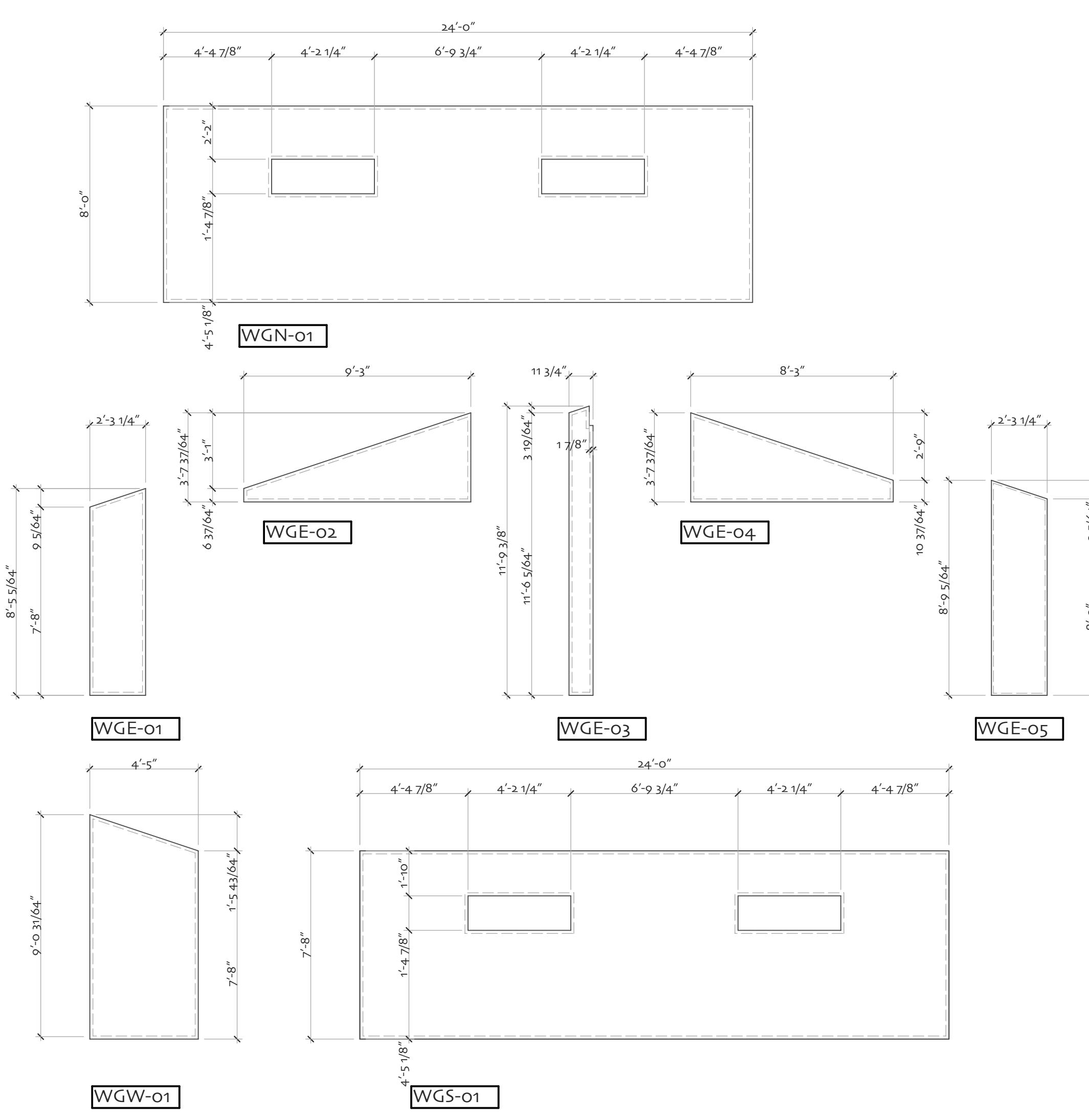
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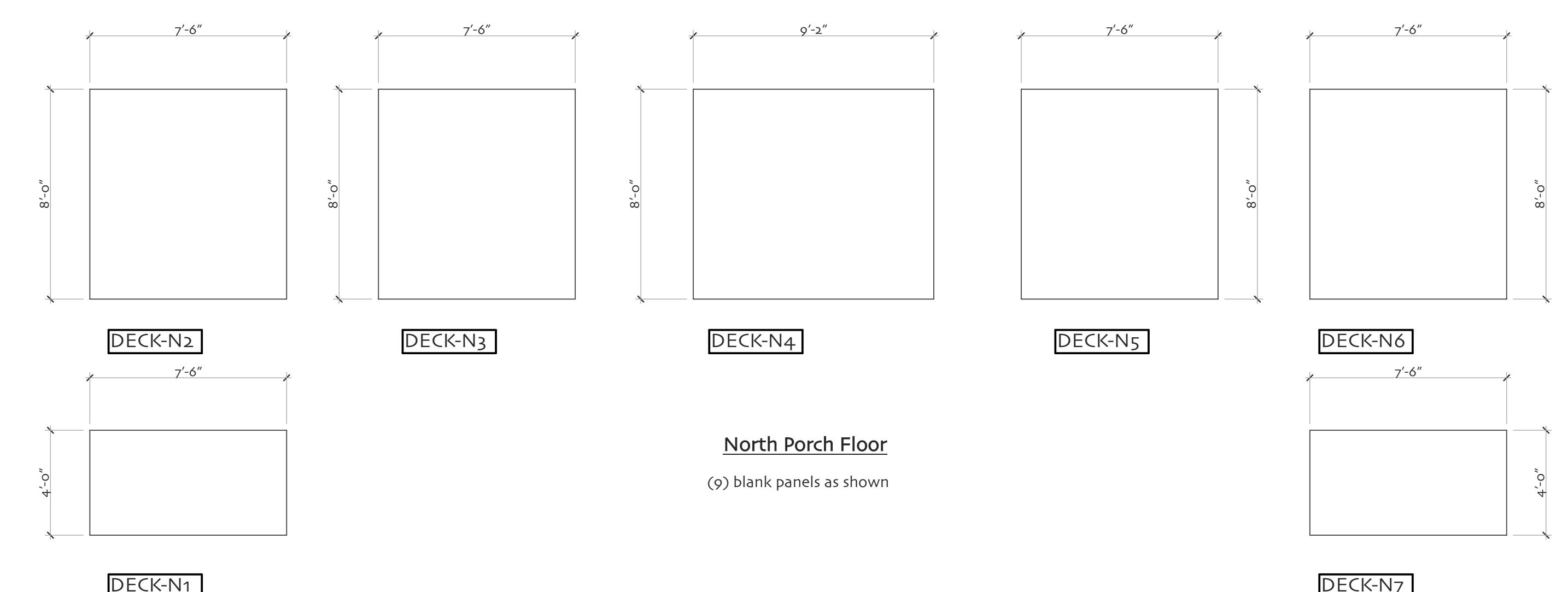
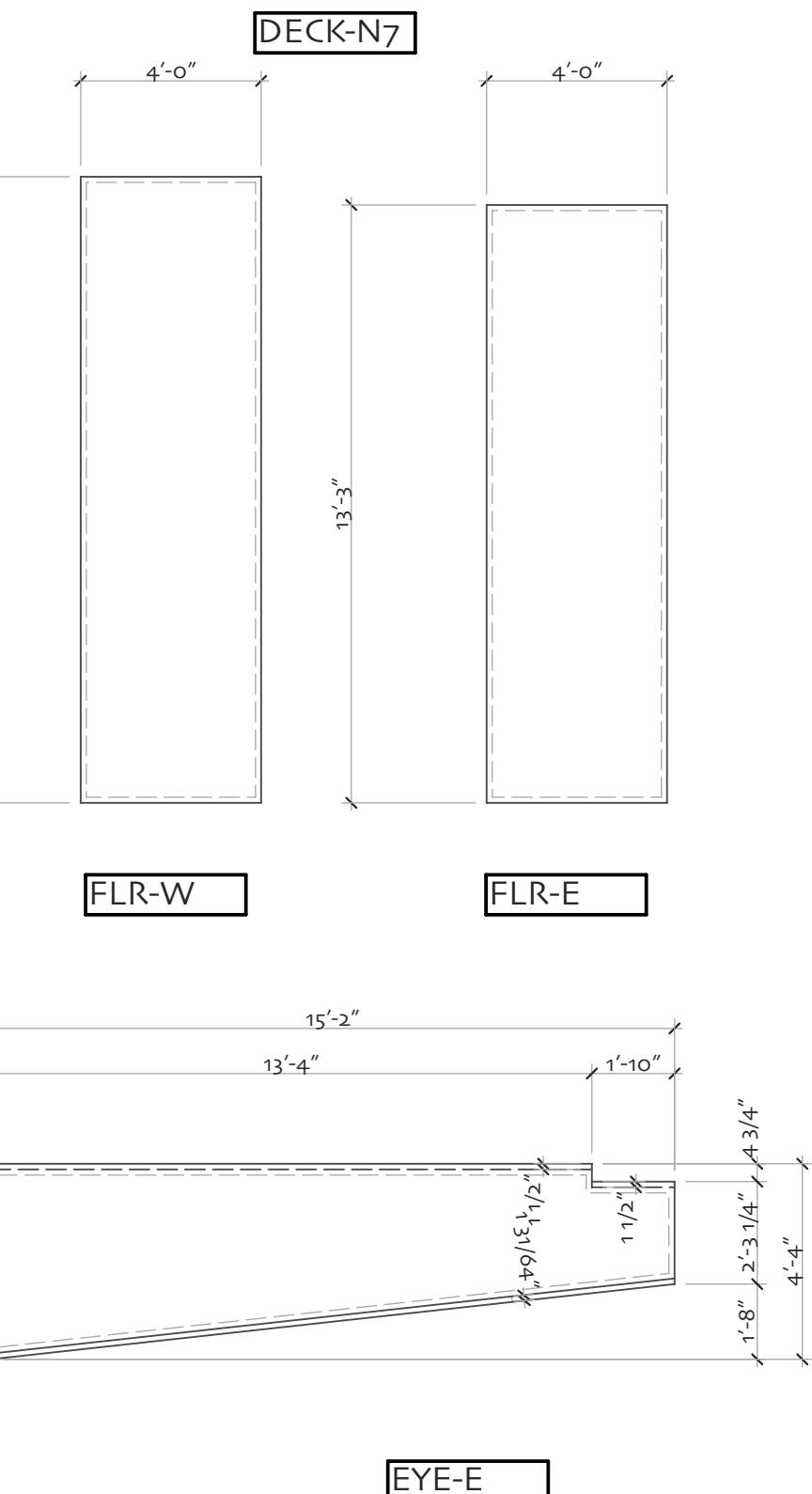
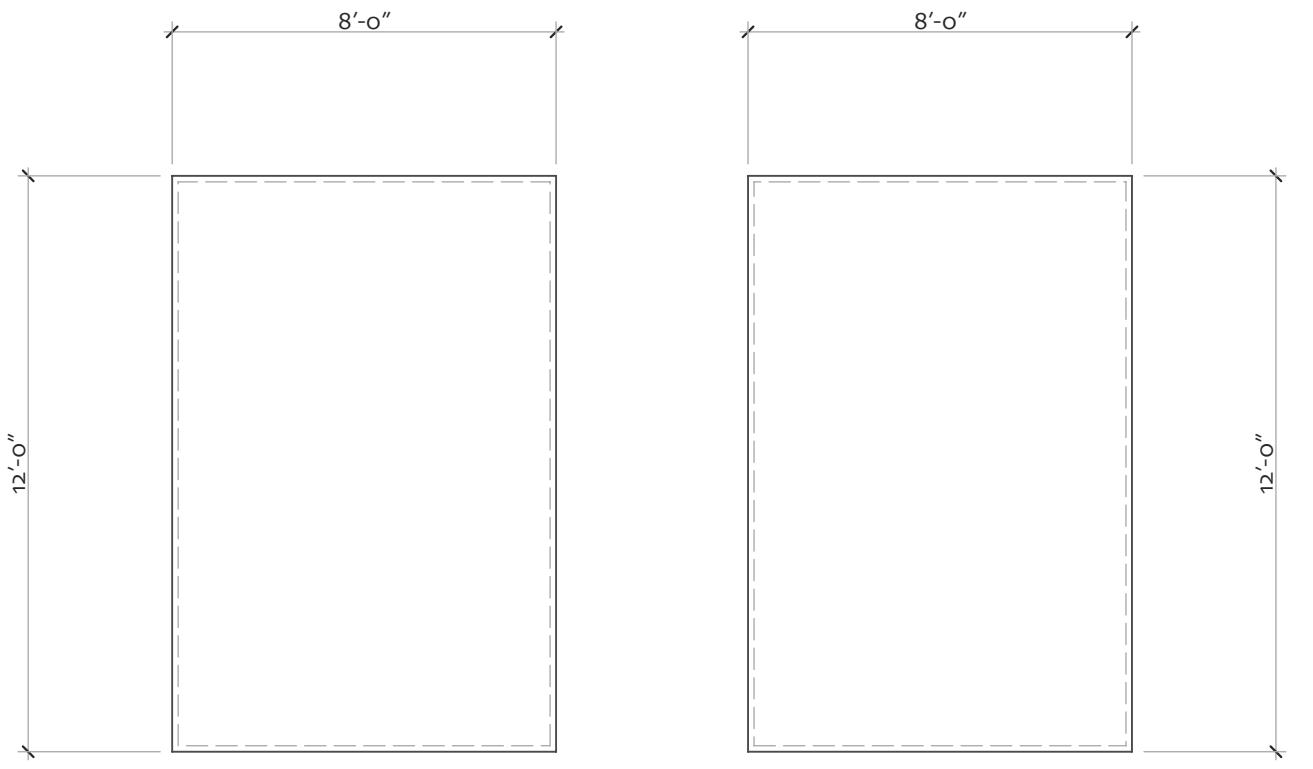
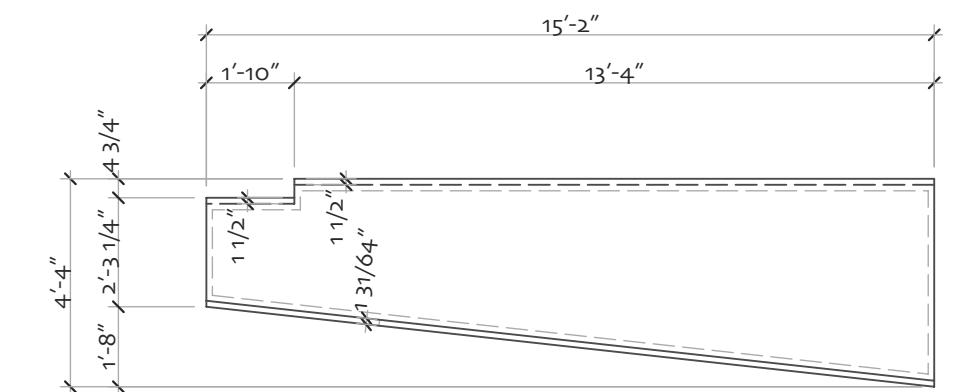
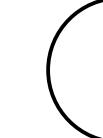
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S2.05



2 Garage Wall S.I.P.s
1/4" = 1'-0"

1 S.I.P. floors, decks, eyebrows
1/4" = 1'-0"



North Porch Floor

(9) blank panels as shown

NOTE: Omit electrical chases from all floor and exterior S.I.P.s.

S.I.P. Floors & Exterior	Status: 	Addenda: 
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