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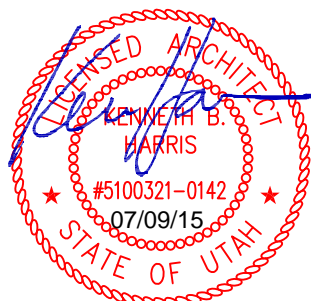


RINDLISBACHER RESIDENCE

PAYSON, UT UTAH

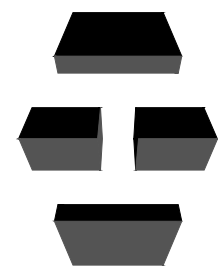
ARCHITECT	STRUCTURAL ENGINEER	GENERAL CONTRACTOR
KEN HARRIS ARCHITECT PROVO UTAH	ACUTE ENGINEERING	

ARCHITECTURAL	STRUCTURAL	ELECTRICAL
A0.1 - SITE PLAN A1.0 - BASEMENT FLOOR PLAN A1.1 - MAIN FLOOR PLAN A1.2 - ROOF PLAN A2.0 - FRONT AND RIGHT SIDE ELEVATIONS A2.1 - REAR AND LEFT SIDE ELEVATIONS	A3.0 - CROSS SECTIONS A3.1 - GENERAL NOTES S1 - FOOTING & FOUNDATION PLAN S2 - MAIN FLOOR FRAMING PLAN S3 - ROOF FRAMING PLAN S4 - DETAILS S5 - DETAILS S6 - DETAILS	E1 - BASEMENT FLOOR ELECTRICAL E2 - MAIN FLOOR ELECTRICAL



665 WEST 1100 SOUTH PAYSON, UTAH

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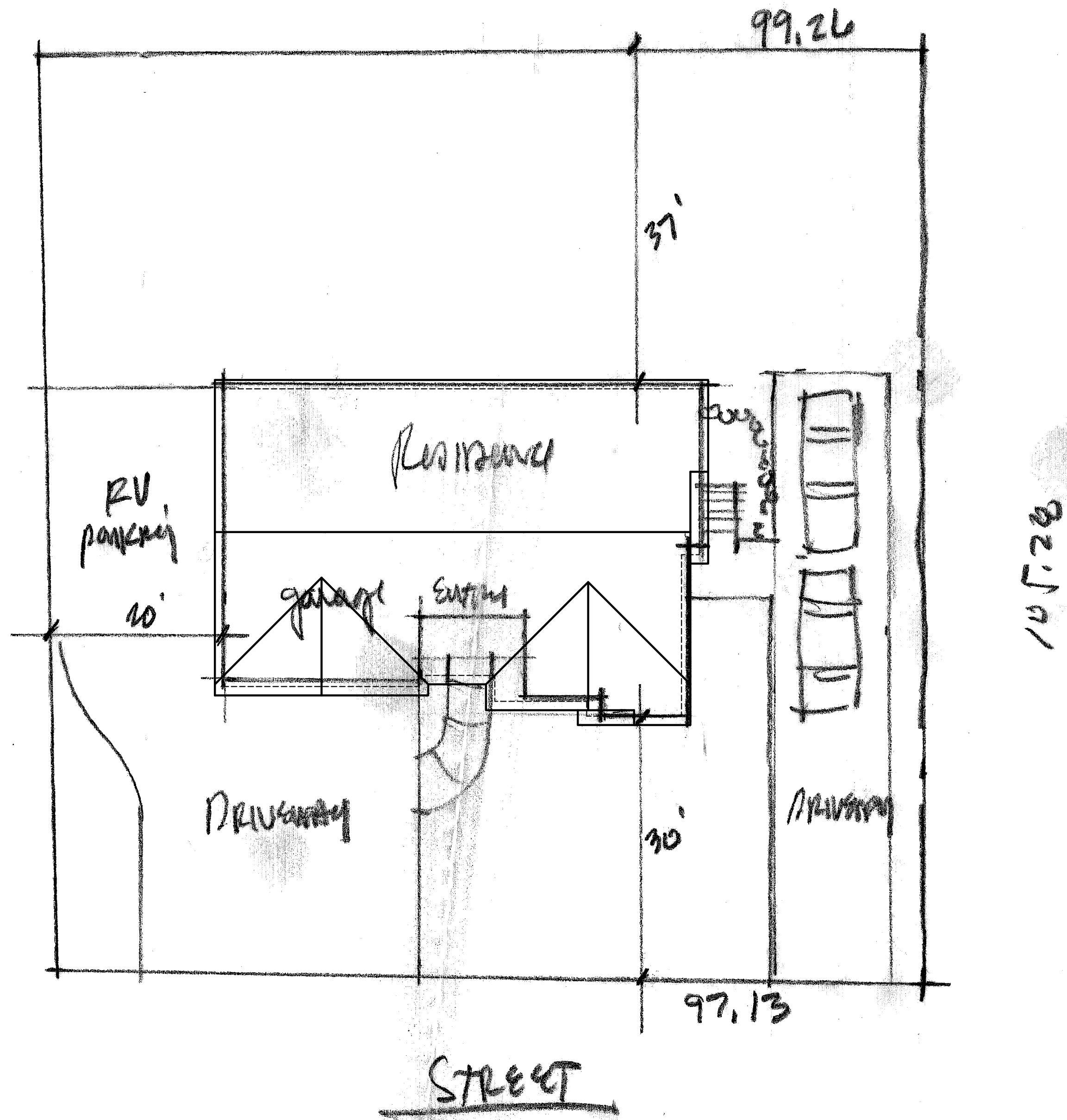
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COVER SHEET

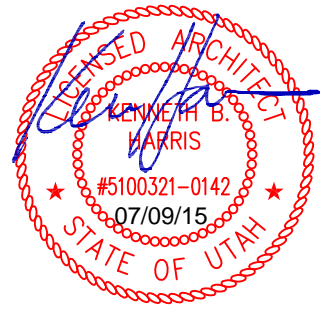
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RINDLESBACHER RESIDENCE
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A NEW RESIDENCE FOR
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SITE PLAN

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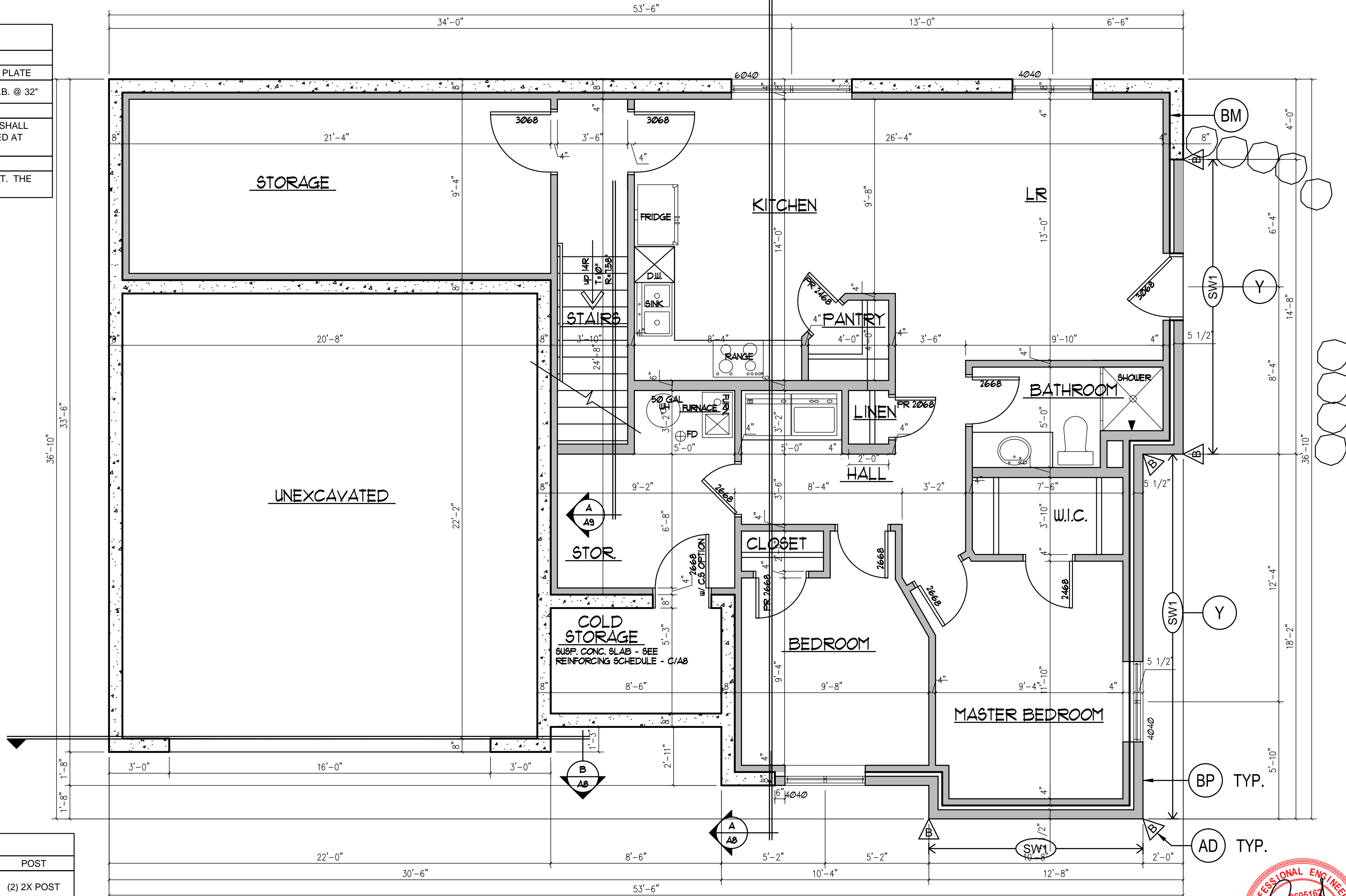
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SHEAR WALL SCHEDULE

MARK	PANEL SHEATHING	EDGE NAILING	FRAMING SILL PLATE	ANCHORAGE	
				SOLE PLATE	SILL PLATE
SW1	7/16"	8d @ 6"	2" NOMINAL	10d @ 8"	1/2" A.B. @ 32"
1. SHEATHING SHALL CONSIST OF WOOD STRUCTURAL PANELS (SEE GSN).					
2. SHEATHING NAILS SHALL BE COMMON OR BOX NAILS. FIELD NAIL SPACING SHALL BE 12" FOR STUDS SPACED 16" O.C. OR LESS AND 6" O.C. FOR STUDS SPACED AT 24" O.C.					
3. ANCHORAGE NAILS SHALL BE COMMON NAILS.					
4. ANCHOR BOLTS SHALL HAVE A 3x3x0.229" WASHER AND 7" MIN EMBEDMENT. THE WASHER SHALL EXTEND TO WITHIN 1/2" FROM THE SHEATHING.					

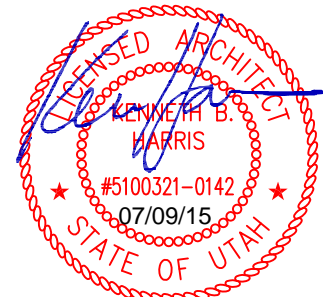
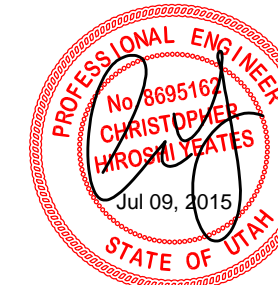
HOLD-DOWN SCHEDULE				
MARK	HOLD-DOWN	FASTENERS	ANCHOR	POST
B	STHD10	(28) 10d	STRAP 10" EMBED.	(2) 2X POST
D	CS16	(22) 10d	(FLOOR STRAP)	(2) 2X POST
1. SIMPSON STRONG-TIE OR EQUIVALENT. STHD STRAPS USE "RJ" TYPE AT RIM JOIST LOCATIONS.				
2. NAILS SHALL BE COMMON NAILS. SHEAR WALL EDGE NAILING SHALL BE TO POST.				
3. MISPLACED STHD HOLD-DOWNS MAY BE RETROFITTED USING HTT5 HOLD-DOWNS WITH 5/8" ALL- THREAD BOLTS. EPOXY INTO FOUNDATION WALL WITH 5 INCHES EMBEDMENT. WHERE FRAMED WALL IS FLUSH WITH FOUNDATION WALL USE MST48 WITH TWO 1/2" DIA. WEDGE ANCHORS AS OPTION. FASTEN WITH 16-16d COMMON NAILS TO POST ABOVE.				



BASEMENT SHEAR WALL PLAN (unfinished)

plan 1268
scale - 1/4"=1'-0"
SQUARE FOOTAGE
BASEMENT - 1263 sf
COLD STORAGE - 54 sf

NOTE: SEE SHEET A-3 FOR MORE SEISMIC STRAPS AND LEGEND



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BASEMENT FLOOR PLAN

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SHEAR WALL SCHEDULE

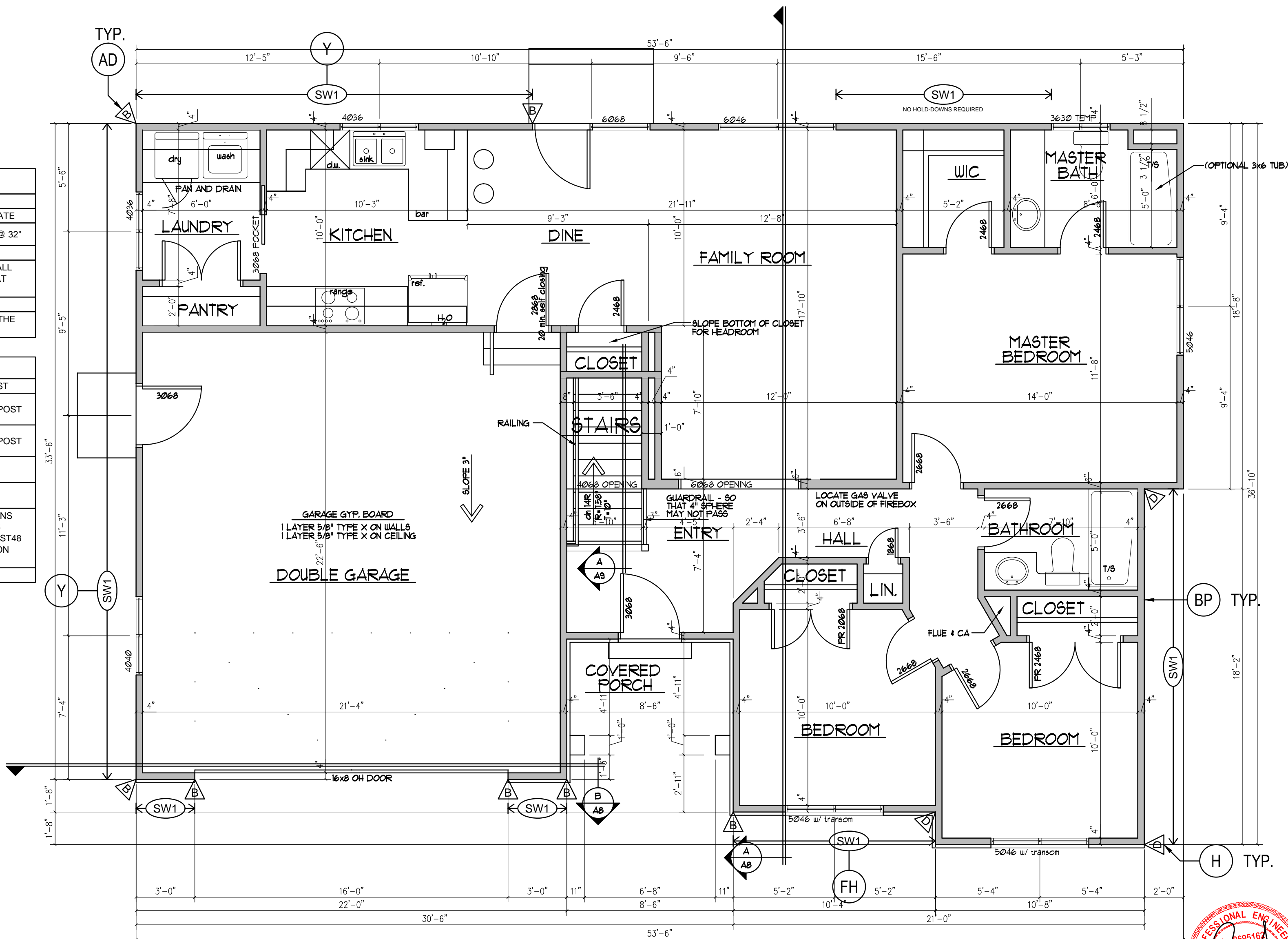
MARK	PANEL SHEATHING	EDGE NAILING	FRAMING SILL PLATE	ANCHORAGE	
				SOLE PLATE	SILL PLATE
SW1	7/16"	8d @ 6"	2" NOMINAL	10d @ 8"	1/2" A.B. @ 32"

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HOLD-DOWN SCHEDULE

MARK	HOLD-DOWN	FASTENERS	ANCHOR	POST
B	STHD10	(28) 10d	STRAP 10" EMBED.	(2) 2X POST
D	CS16	(22) 10d	(FLOOR STRAP)	(2) 2X POST

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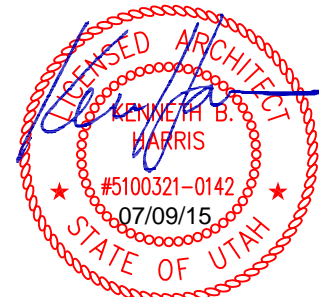
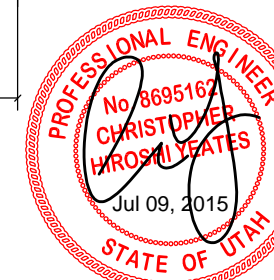
MAIN FLOOR PLAN

plan 1268

scale - 1/4"=1'-0"

SQUARE FOOTAGE
MAIN - 1268 sf
GARAGE - 495 sf

NOTE: FLASHING & COUNTER-FLASHING AROUND WINDOWS AND DOORS SHALL COMPLY WITH MANUFACTURER'S SPECIFICATIONS.



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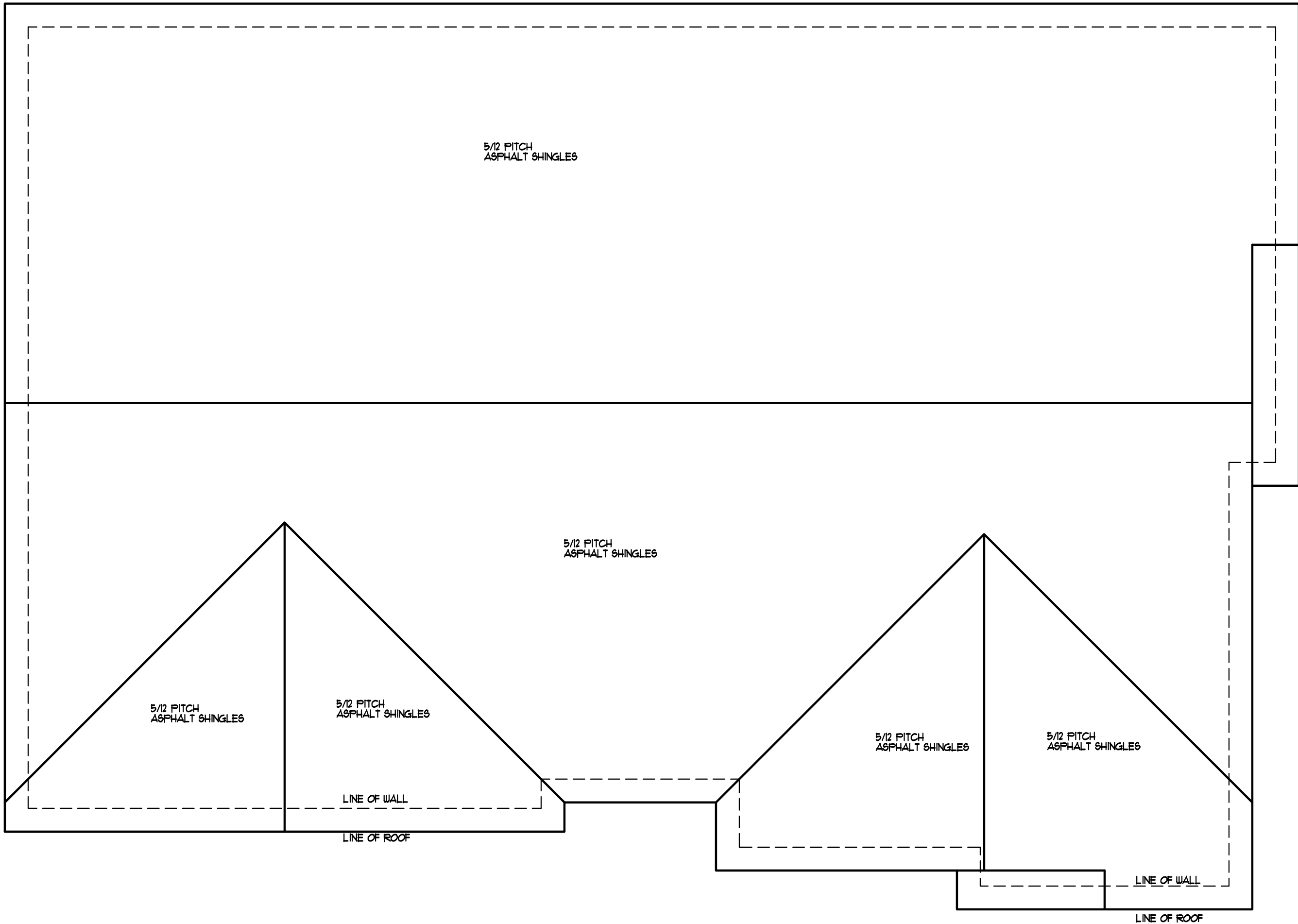
MAIN FLOOR PLAN

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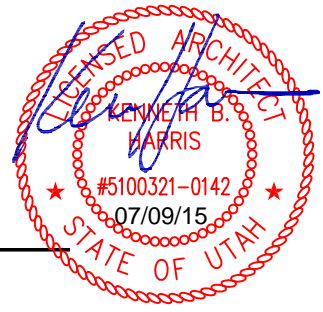
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ROOF PLAN
plan 1268 scale - 1/4"=1'-0"

ENTIRE ROOF IS 1/12 PITCH WITH ASPHALT SHINGLES - UNO.

PROVIDE ICE AND WATER SHIELD AT ALL EAVE, RIDGE, AND VALLEY LINES - 3'-0" MIN.



665 WEST 1100 SOUTH PAYSON, UTAH

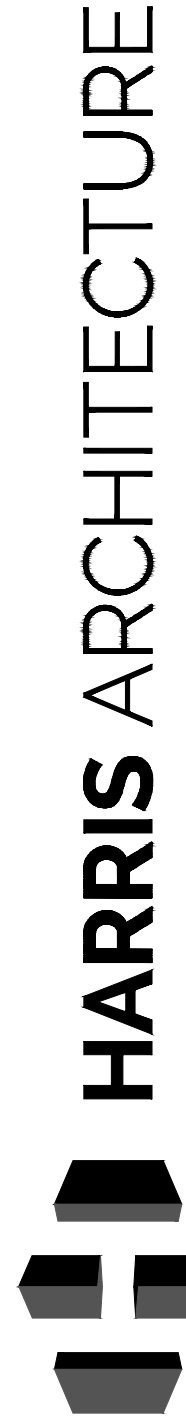
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ROOF PLAN

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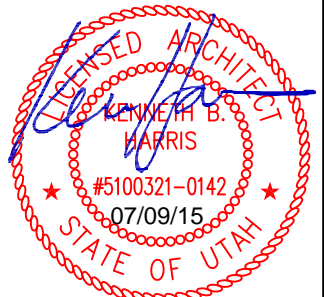
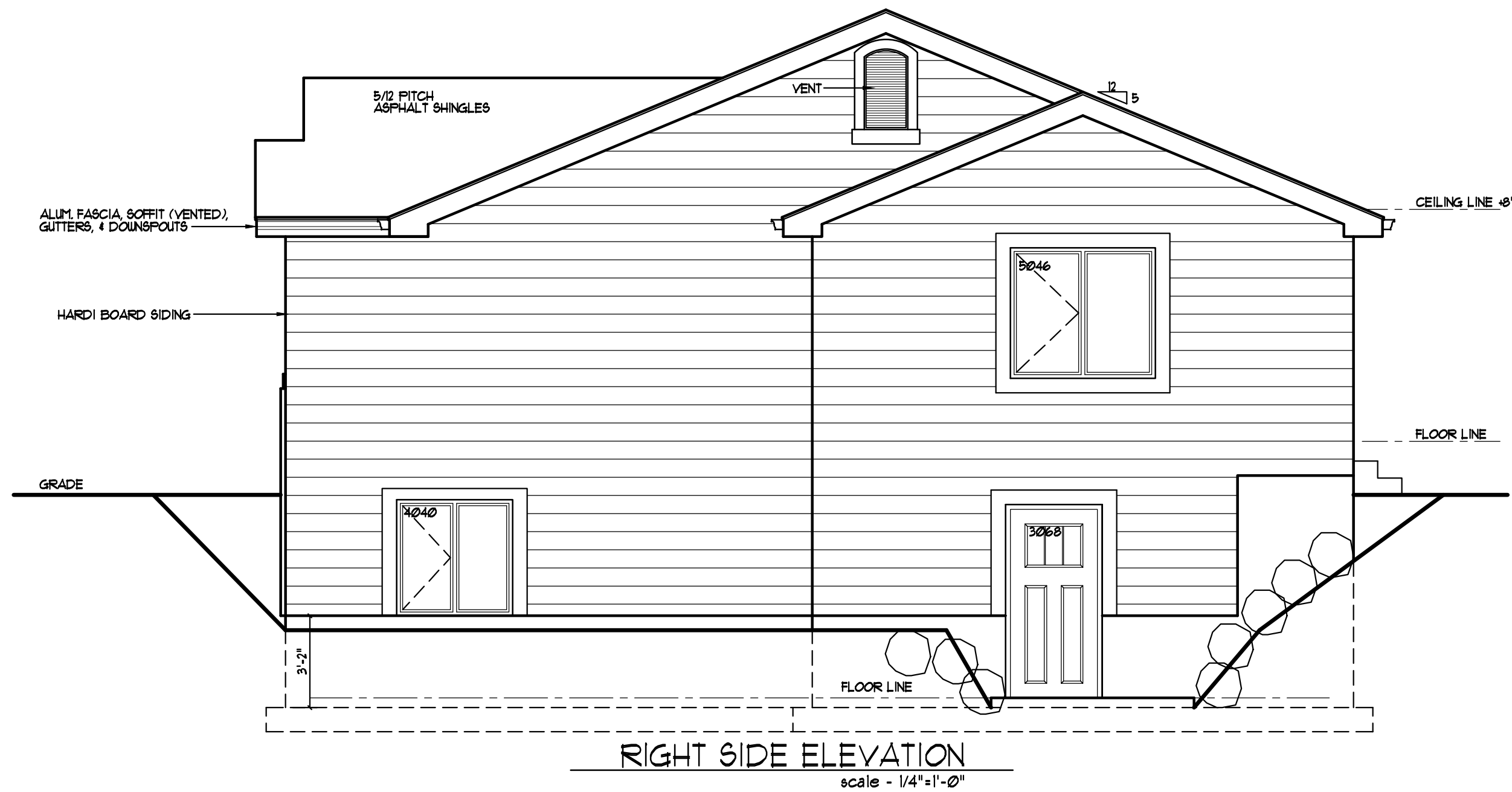
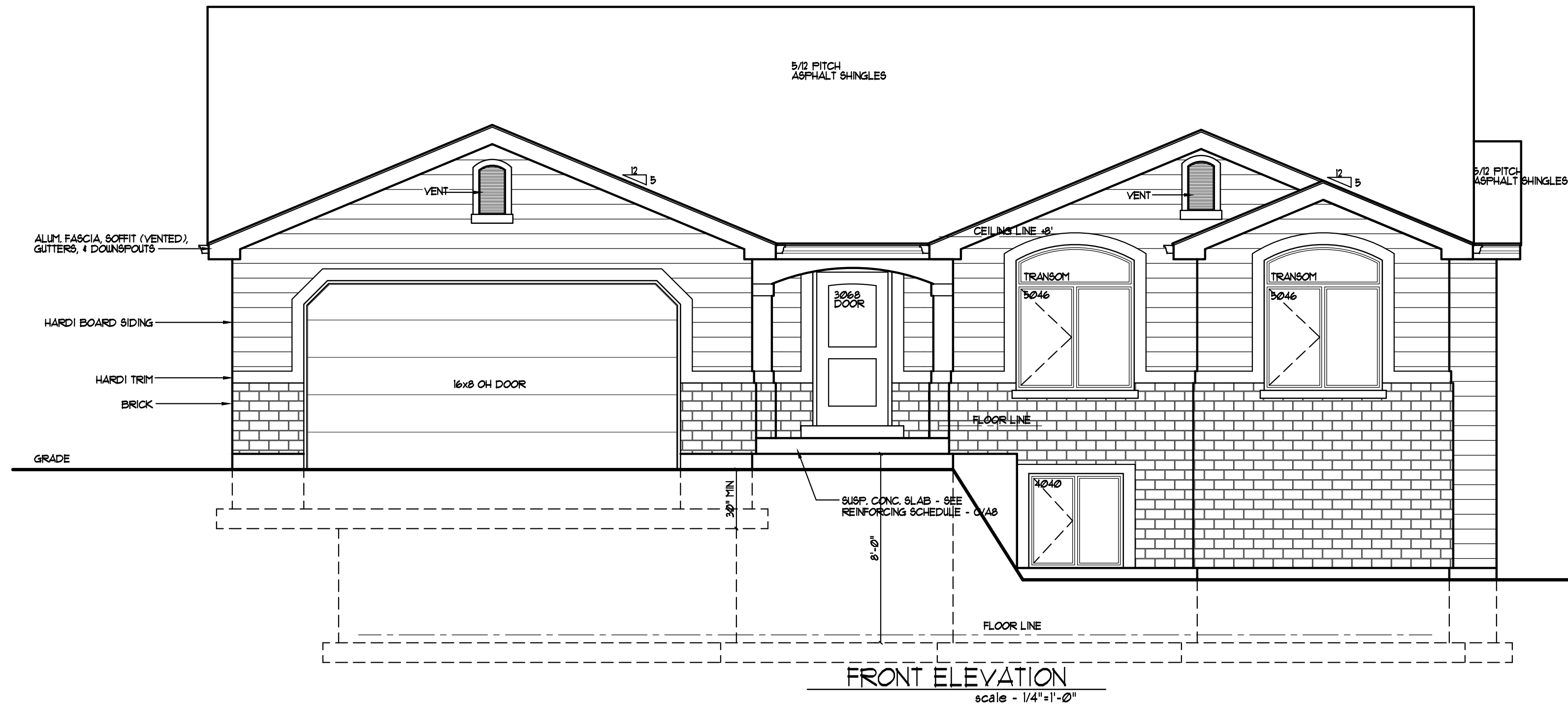
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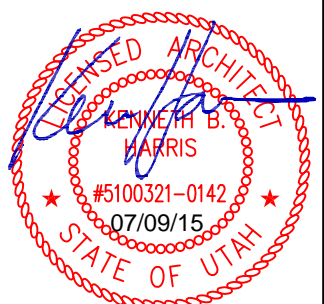
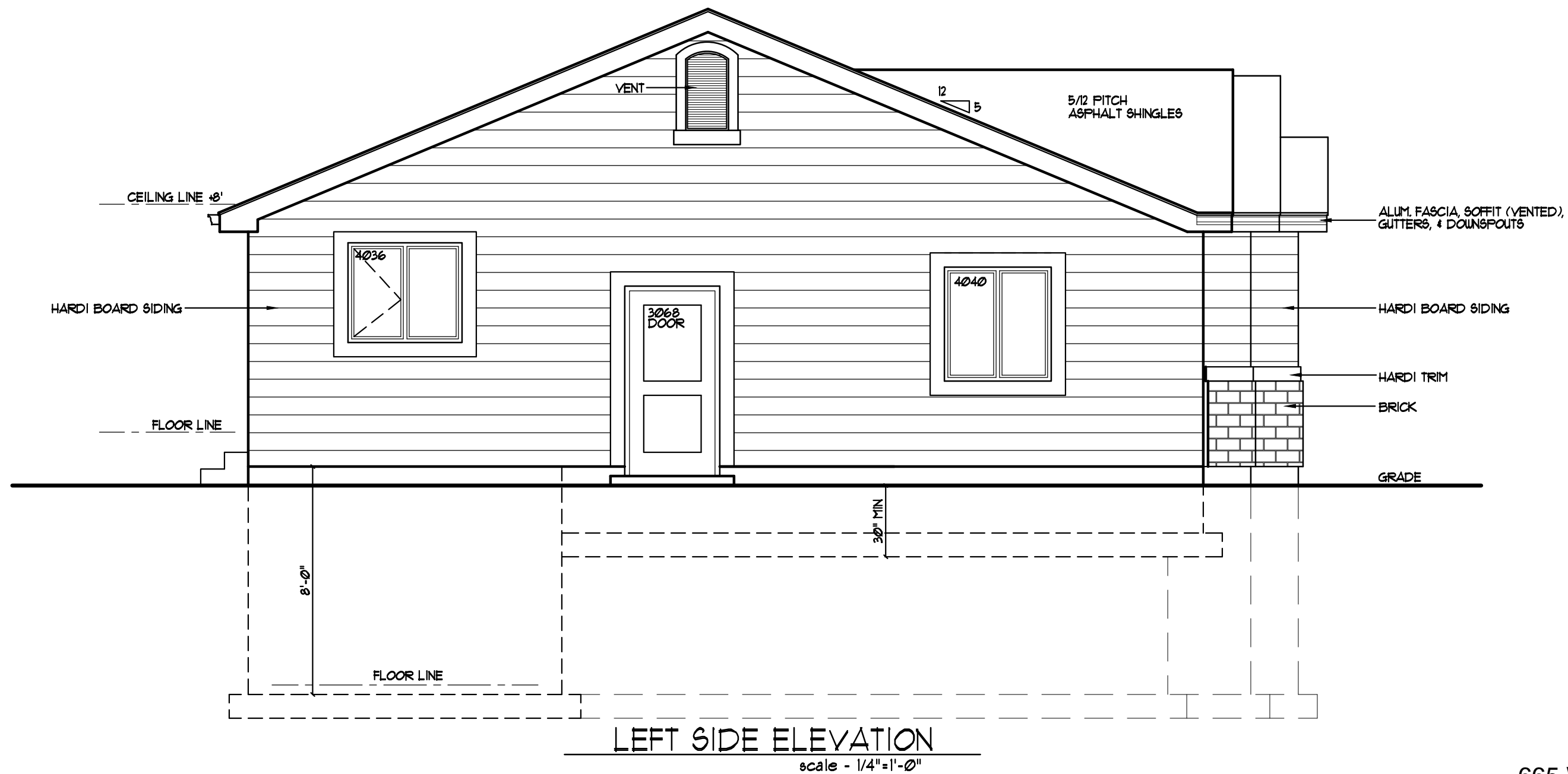
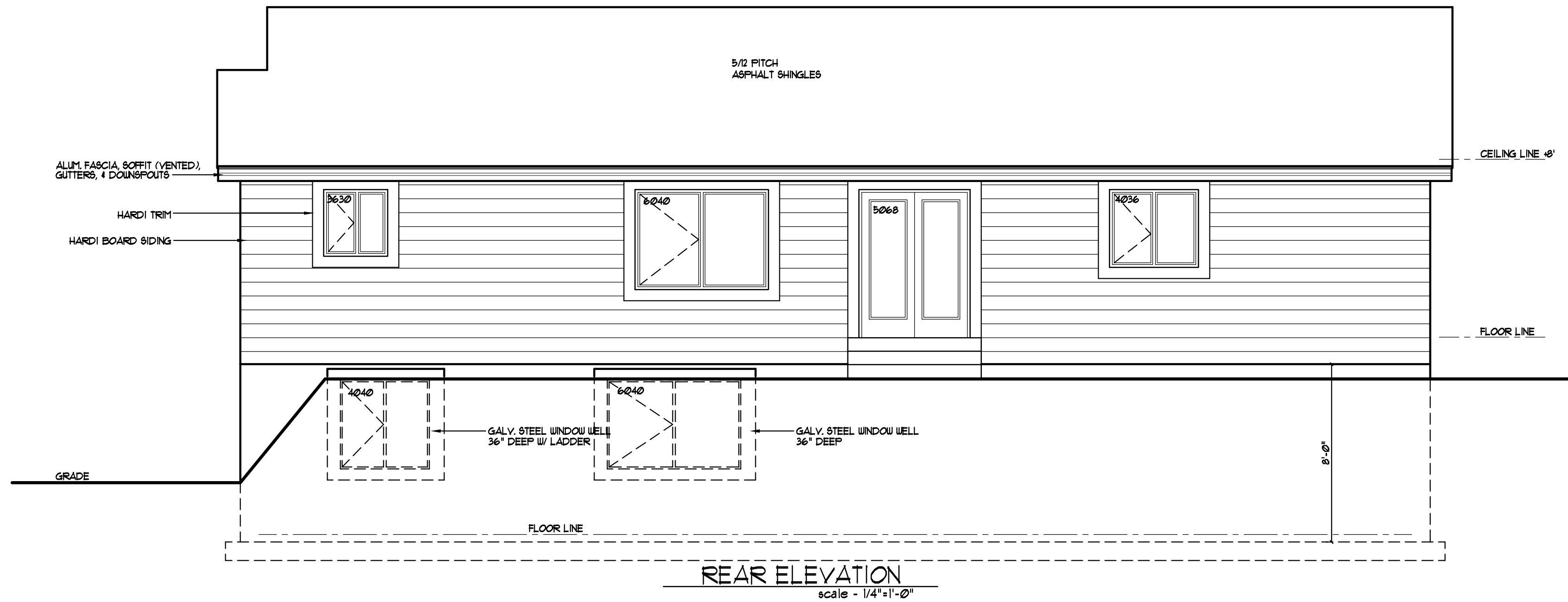
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FRONT AND RIGHT SIDE ELEVATIONS

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A2.0

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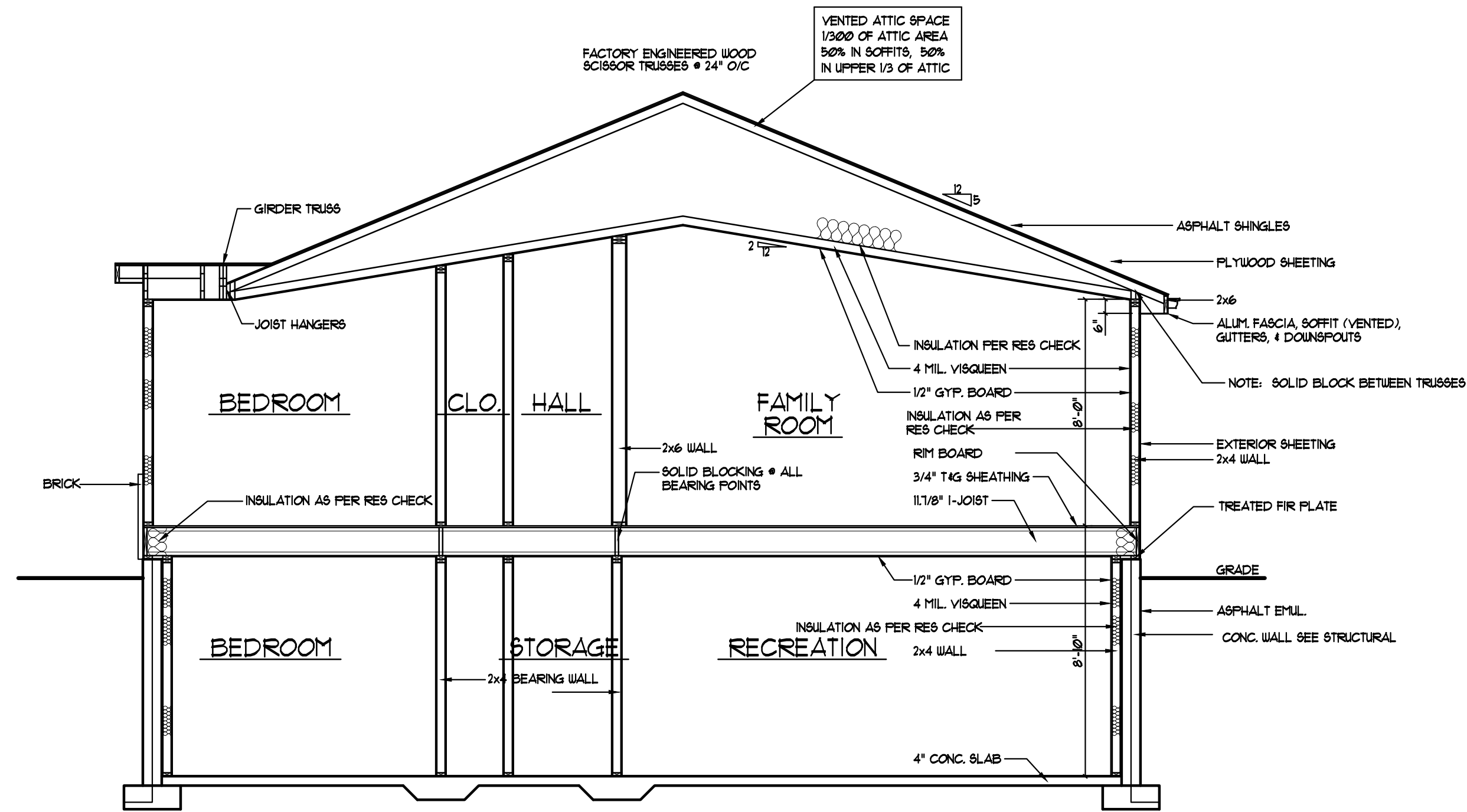
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REAR AND LEFT SIDE ELEVATION

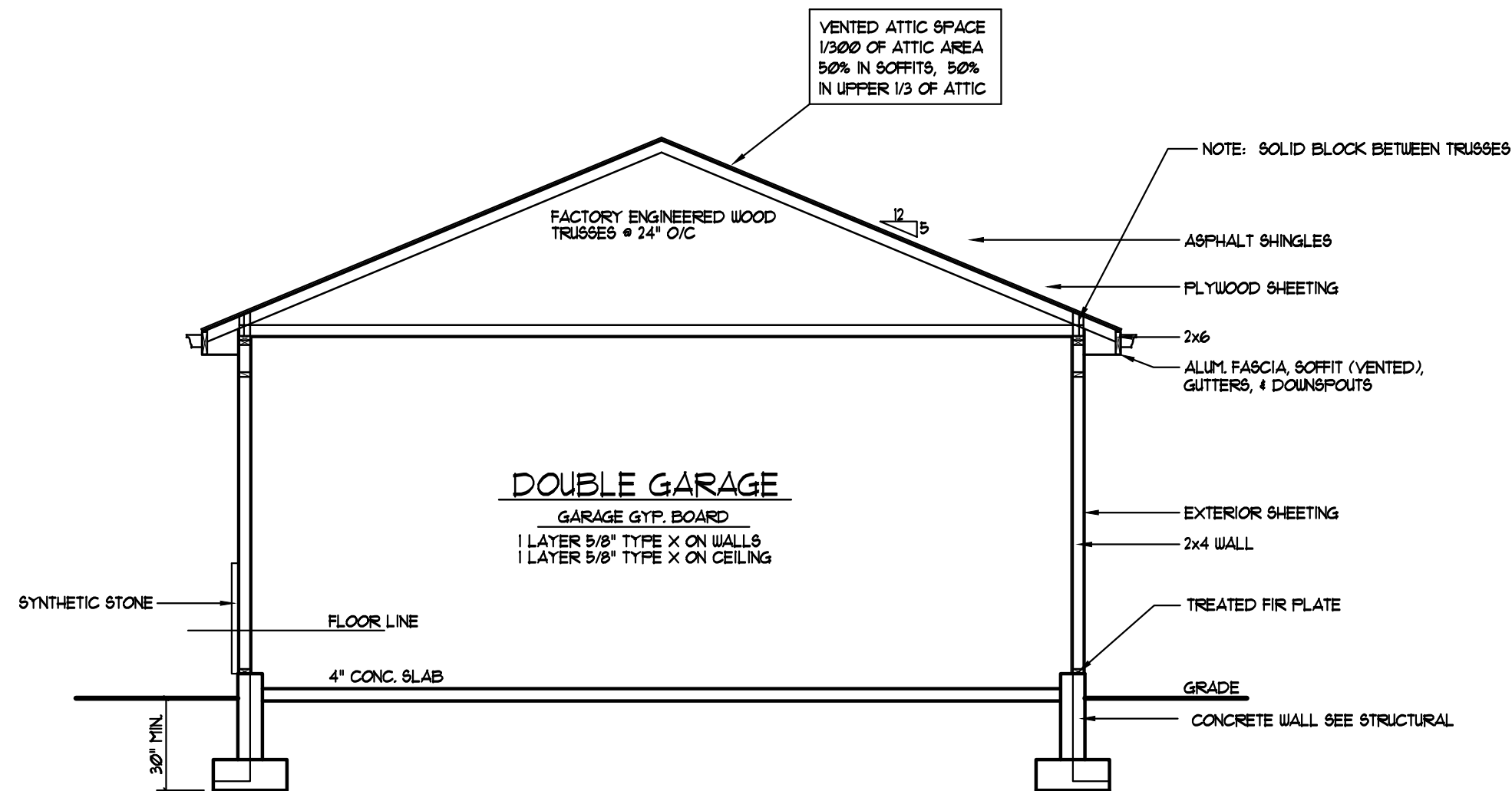
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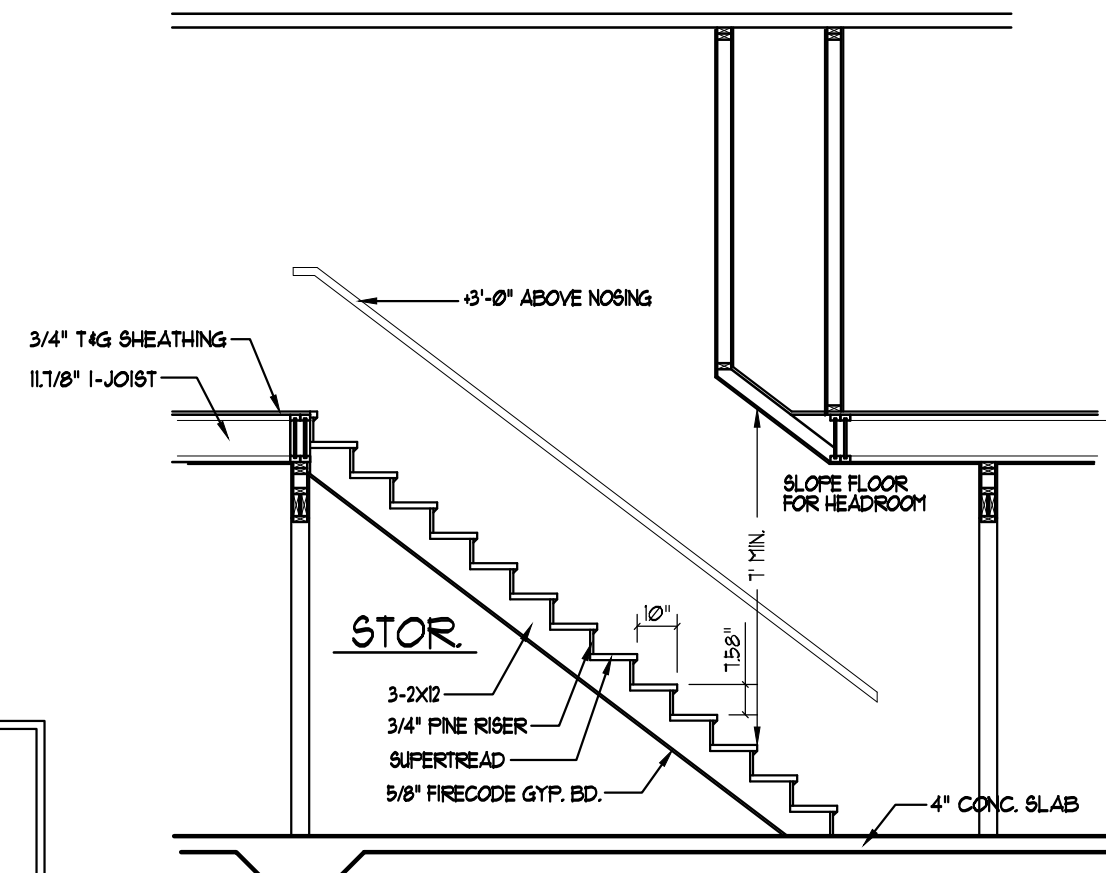


A CROSS SECTION
plan 1268 SCALE - 1/4"=1'-0"

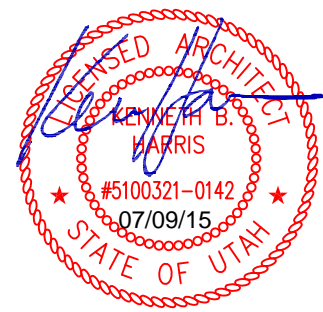


B CROSS SECTION
plan 1268 SCALE - 1/4"=1'-0"

NOTE: STAIRS TO MEET MIN. UBC
HANDRAIL REQUIRED ON STAIRWAYS HAVING
4 OR MORE RISERS
RAIL HEIGHT 34"-36" ABOVE TREAD NOSING
MIN. 1/2" - 2" WIDE RAIL SIZE
RISER HEIGHT - MAX 8"
TREAD EXTENSION MIN 9"
STAIR WIDTH MIN 36"
HEAD CLEARANCE MIN 6'-8"
(MEASURED FROM TREAD NOSING)
GAUDDRAIL HEIGHT MIN 36" WITH RAILINGS
OR PATTERN TO STOP 4" SPHERE FOR ANY DROP
30" OR GREATER



A STAIR SECTION
plan 1268 SCALE - 1/4"=1'-0"



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CROSS SECTIONS

7-09-2015

A3.0

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SITE PLAN

- Building location must comply with all city zoning regulations.
- "Height of Building" means the vertical distance between a reference datum and the highest part of the building excluding roof structures such as chimneys, penthouses, towers and steeples. The reference datum shall be selected by one of the following:
- Building walls closer than 5 feet to property line shall be of one-hour fire resistive construction without doors or windows. IRC 2012 Section 302
- Eaves, overhangs and projections shall conform to IRC 2012 Section 302
- Parapets or special roof construction is required on common walls for townhouses. See R302 for requirements.
- Building cannot be located on any easement or right of way.
- Ground slopes may not exceed 2 horizontal to 1 vertical unless retained in an approved manner. IBC Appendix J
- Footings of structures located adjacent to slopes steeper than 3 horizontal to 1 vertical must be set back from the slope at least 1/3 the height of the slope if at the top, and the height of the slope at the bottom. R403.1.7
- Site shall be graded such that the ground slopes away from the foundation dropping at least 6 inches within 10 feet of the foundation. R401.3
- Any retaining walls over 4 feet in height from the bottom of the footing to the top of the wall shall be of an approved design with engineer's details provided.
- Cuts or fills are not permitted within 2 feet of the property line. IBC Appendix J.
- Drainage from the property may not exceed that which existed prior to development. Paved areas and roof drains may need to be supplied with appropriate sumps or other means of mitigating their flow. IBC Appendix J.
- The owner/contractor shall verify with the city as to the need of a Soils observation report from a licensed soils engineer. A recommendation to proceed may be needed from the engineer prior to approval of a footing inspection. Foundation drains will be required, if indicated in the soils report.
- Water meter cannot be located in the driveway, sidewalk or similar area. Meter must be placed in landscaping area. Sewer line cannot be located under the driveway.
- Homes located in potential flood hazard areas will be required to have elevation certificates prior to construction and after completion. R106.1.3
- Addresses shall be provided which are plainly visible and legible from the street. R319.1

FLOOR PLANS

- Fire separation between house and garage: The garage shall be separated from the residence and its attic area by not less than 1/2" gypsum board applied to the garage side. Garages beneath habitable rooms shall be separated from all habitable spaces above by not less than 5/8" type "X" gypsum board. Where the separation is a floor/ceiling assembly, the structure supporting the separation shall also be protected by not less than 1/2" gypsum board. IRC R302.6
- Any door between the house and garage shall be a tight fitting, solid wood or hollow metal door, 1-3/8" thick or a 20 minute labeled door (closer not required). IRC R302.6.1
- Duct penetrations shall be by minimum 26 gauge sheet metal, no openings into the garage are permitted. IRC 302.5.2
- Under no circumstances shall a garage have any openings into a room used for sleeping purposes.

STAIRWAYS

- Stair treads shall have a maximum RISE of 7.75" and a minimum rise of 4". The minimum RUN shall be 10". Length of tread is measured from nose to nose. The largest tread run or riser within any flight of stairs shall not exceed the smallest by more than 3/8". Stairs shall meet all other requirements of the R311.7.5.1
- Winder treads shall have a minimum tread depth of 10 inches measured as above at a point 12 inches from the side where the treads are narrower. Winder treads shall have a minimum tread depth of 6 inches at any point. Within any flight of stairs, the greatest winder tread depth at the 12 inch walk line shall not exceed the smallest by more than 3/8 inch. R311.7.4
- Stairways shall not be less than 36" in width.
- Every stairway and ramp shall have a landing with a dimension of at least exceed 36" measured in the direction of travel.
- Stairways with 4 or more risers shall have at least one handrail. See IRC 2012 Section 311.7.8
- Stairs shall have a headroom clearance of not less than 6'-8". Clearance is measured vertically from a line along the tread nosing to the soffit above at all points. R311.7.2
- Enclosed space under stairs shall have the walls and soffit protected on the enclosed side with 1/2" sheetrock. R302.7
- 36" high guards shall be provided on porches, balconies and raised floor surfaces located more than 30" above the floor or grade below. Open sides of stairs with a total rise of 30" above the floor or grade below shall have guards at least 34" high.
- Guards will have an ornamental pattern such that a sphere 4" in diameter cannot pass through. The triangular space created by the stair and a bottom rail may be constructed so a 6" sphere will not pass through.
- Ramps slope not to exceed 1 unit vertical in 12 units horizontal. IRC 2012 section 311.8
- Guardrail connection details shall be adequate to support 200 lbs. Of horizontal force per lineal foot acting at a right angle to the top rail.
- Handrails shall comply with section 1012 of the 2012 IRC

ARCHITECTURE & PLANS

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- Verify all dimensions, conditions, and measurements on site prior to construction.

ROOM DIMENSIONS & MISC.

- Ceiling heights of all habitable rooms (hallways, bathrooms, toilet rooms, laundry rooms, and portions of basements containing these spaces shall have a ceiling height of not less than 7 feet. IRC 305.1 - see same section for exceptions.
- Houses shall have at least one room which shall have not less than 120 sq.ft. of floor area. Other habitable rooms except kitchens shall have and area of not less than 70 sq.ft. No portion of a room may be used to compute minimum area where the ceiling is less than 5'. R304
- Habitable rooms other than kitchens shall be not less than 7" in any dimension. R304.3
- There shall be a clear passageway of not less than 3' between counter fronts and appliances or walls.

EXITING FACILITIES

- Houses shall have at least one 3'-0" x 6'-8" swinging type exit door to the exterior. Any lock shall be operable from the inside without a key. R311.2
- Landings are required on both sides of exterior doors. Door may open at a landing that is not more than 7 3/4" lower than the floor level, provided the door does not swing over the landing. Landing shall be at least 36" deep. R311.3
- Hallways shall be not less than 36" wide. R311.6
- Hallways shall have a clear ceiling height of not less than 7' measured to the lowest projection. R305.1
- Every sleeping room and basement shall have at least one operable, exterior window or door for emergency escape or rescue. The units shall be operable from the inside to provide a full clear opening without the use of tools. ALL of the following apply. R310
 - Minimum net clear opening of 5.7 sq. ft. (opening at grade level floor may be 5.0 sq. ft.)
 - Minimum net clear opening height dimension of 24"
 - Minimum net clear opening width dimension of 20"
 - Maximum finished sill height of 44" above the floor. All doors or windows provided for emergency escape or rescue shall open directly to a street, alley, yard, or court.
 - Window wells for emergency escape and rescue windows shall have a net clear opening of 9 sq. ft. with a minimum dimension of 36". Window wells deeper than 44" shall have a permanent ladder accessible from the window when fully open. Ladders shall be at least 12" wide and 3" from the wall with rungs no more than 18" apart.
 - Emergency escape windows are allowed to be installed under decks and porches provided the location of the deck allows the emergency escape window to be fully opened and provides a path not less than 36 inches in height to a court or yard. R310.5
 - In dwelling units where the opening of an operable window is located more than 72 inches above the finished grade or surface below, the lowest part of the clear opening of the window shall be a minimum of 24 inches above the finished floor of the room in which the window is located. Glazing between the floor and 24" shall be fixed or have openings through which a 4 inch diameter sphere cannot pass. R312 Exceptions
 - Windows whose openings will not allow a 4 inch diameter sphere to pass through the opening when the opening is in its largest opened position.
 - Openings that are provided with window guards that comply with ASTM F2006 or F2009
 - Windows whose openings will not allow a 4 inch diameter sphere to pass through the opening when the opening is in its largest opened position.
 - Openings that are provided with window guards that comply with ASTM F2006 or F2009

LIGHT VENTILATION & SANITATION

- All habitable rooms (bedrooms, living rooms, dining rooms, family rooms, etc.) shall be provided with natural light from windows with an area of not less than 8% or artificial light producing 6 ft candles throughout. R303.1
- All habitable rooms shall be provided with natural ventilation by means of exterior openings with an area of not less than 4% of the floor area of each room. In lieu of natural ventilation, habitable rooms may be provided with mechanical ventilation capable of 0.35 air changes per hour with 15 cfm of outside air per occupant. R303.1
- For the purpose of light and ventilation, a room may be considered as a portion of an adjoining room when at least one-half of the area of the common wall is open, unobstructed and provides an opening of not less than 1/10th of the floor area of the interior room or 25 sq.ft. which ever is greater. R303.2
- The operable window area in bathrooms, water closet compartments, and other similar rooms shall not be less than 1-1/2 sq ft unless a mechanical ventilation system capable of producing 50 cfm for intermittent operation or 20 cfm for continuous operation is provided. Ventilation air shall be exhausted directly to the outside. R303.3 (garage level)
- The house shall have at least one water closet, lavatory, bathtub or shower and kitchen sink equipped with hot and cold running water necessary for normal operation. R306
- Enclosed attics and enclosed rafter spaces shall have ventilation for each separate space by ventilating openings protected against rain or snow. Openings shall be covered with a 1/8" to 1/4" mesh. The net free ventilating area shall be not less than 1/150 of the area of the space ventilated, or 1/300 if 50% to 80% is located in the upper 3' of the attic and the remainder is provided by soffit vents. Where soffit vents are used, an insulation dam must be provided between every truss and/or rafter. Attic ventilation may also be 1/300 when a vapor barrier is used at the warm side of the ceiling. R806
- An attic access 22"x 30" shall be provided at roof/ceiling areas and shall be located in a corridor, hallway, of other readily accessible location. There shall be 30" of headroom over the opening. If there is less than 30" maximum height in the attic, access need not be provided. R807

GLAZING

- Glass in doors shall be safety glazed. R308.4
- Glazing adjacent to a door within a 24" arc of either door edge when closed, must be safety glazed if the bottom edge is within 60" of the floor or walking surface. R308.4
- Glazing panels larger than 9 sq. ft. located less than 18" above & within 36" horizontally of a floor or walking surface shall be safety glazed. In lieu of safety glazing, glass may be protected by a horizontal member 1-1/2" in width, capable of resisting 50 lbs. per lineal foot, located between 34" and 38" above walking surface. R308.4
- Glazing in shower and bathtub rooms within 60" above the walking surface, including any walls, windows in walls and doors shall be safety glazed. R308.4
- Glazing within 5' horizontally and 60" vertically of an indoor or outdoor pool or spa deck area shall be safety glazed. R308.4
- Glazing at walls enclosing stairs and landings (and for 5' beyond the top or bottom of the stair) shall be safety glazed if less than 60" above the walking surface. R308.4
- Glass in railings shall be tempered or laminated. R308.4
- Safety glazing material shall be permanently labeled. R308.1
- All Exterior doors and windows shall comply with R612.
- In dwelling units, where the opening of an operable window is located more than 72 inches (1829 mm) above the finished grade or surface below, the lowest part of the clear opening of the window shall be a minimum of 24 inches (610 mm) above the finished floor of the room in which the window is located. Operable sections of windows shall not permit openings that allow passage of a 4 inch (102 mm) diameter sphere where such openings are located within 24 inches (610 mm) of the finished floor. R312 (Window Sills) Exceptions:
 - Windows whose openings will not allow a 4 inch diameter sphere to pass through the opening when the opening is in its largest opened position.
 - Openings that are provided with window fall prevention devices that comply with Section R312.2.1 & 312.2.2.
 - Openings that are provided with fall prevention devices that comply with ASTM F2009
 - Windows that are provided with opening limiting devices that comply with Section R312.2.2.

MASONRY

- See IRC Section R606 for general masonry construction.
- Wood members shall not be used to permanently support the load of any masonry or concrete except nonstructural floor or roof surfacing not more than 4" thick.
- Brick and stone veneer are only permitted on the first floor above grade unless all provisions of the state amendment for additional bracing are met. Veneer shall be attached with corrosion resistant steel metal ties 22 gao x 718" or 9 gao wire. Stud spacing shall be a maximum of 16" on center. Tie spacing shall be such that no more than 2 sq.ft. of wall is supported (16" on center both ways). A #9 ga. wire shall be provided as horizontal bed joint reinforcement to ties. Brick ties shall engage the #9 wire. R703.7
- Stone units, 5" maximum thickness, may be applied with a 1" minimum grouted backing space which is reinforced by not less than 2"x 2" 16 gao galvanized wire mesh placed over waterproof paper backing and anchored directly to studs spaced no more than 16" on center. Mesh must be furred out from sheathing for embedment in grout. R703.7
- Fireplace and Chimney:
 - Masonry and concrete fireplaces: see R1001 & R1003
 - Factory-built chimneys and fireplaces:
 - Factory-built chimneys and fireplaces shall be listed by an approved testing agency and have an ICC ES approval number. They shall be installed in exact accordance with the terms of their listings and the manufacturer's instructions. Specific approval numbers and installation standards must be made available to the building inspector. R1004
 - Fire blocking with non-combustible material is required at spaces between floors and ceilings through which chimneys pass. R1001.1.16
 - Hearth extensions of listed factory built fireplaces shall conform to the conditions of listing and manufacturers installation instructions. R1001.9
 - Fireplace chimneys shall extend at least 24" above the roof, any opening, or any part of the building within 10'. IRC 1001.1 (Table R1001.1)

ROOFING

- Roofing materials must have an approval by an approved testing agency. Roof slope will determine the types of roofing that can be used. Roofing materials must be installed exactly as intended by the approval. Asphalt shingles on roofs less than 4/12 pitch must be over an approved water shield. Asphalt shingles cannot be used for slopes less than 2/12. R905.2.2
- Ice and water shield shall be used at roof eaves form eave edge to 24" inside the exterior wall. R905.2.7.1
- Step flashing shall be used where the roof meets a vertical surface. Counter flashing shall be installed at roof and wall junctures. R905.2.8

ENERGY ANALYSIS (MECH-CHECK)

- An energy analysis should be attached to / or included with the plan when turned into the city.Harris Architecture does not provide this service, it must be provided by the Mechanical or Insulation Contractor.
- A permanent certificate shall be posted on or in the electrical distribution panel listing the predominant R-values of insulation installed in or on ceiling/roof, walls, foundation, (slab, basement wall, crawlspace wall and/or floor) and ducts outside the conditioned spaces; U-factors of windows, and solar heat gain coefficient of windows. The type and efficiency of heating, cooling and service water heating equipment shall also be listed. IRC N1101.9

CONSTRUCTION DETAILS

- Any trusses to be used must have details provided for the specific house. R802.10. A truss layout indicating locations and orientation of all types of trusses must be provided from the truss manufacturer before a review can be completed. This information is necessary to accurately determine loading of structural members. Details are required for ALL types of trusses used (scissor, mono, girder, etc). Truss details must be provided from an approved fabricator. Homemade trusses are not acceptable unless designed, stamped, and inspected by a structural engineer. All details must indicate correct design snow loads for the area. Specific engineered design for connections of trusses to each other and other framing members which are supported by trusses must accompany the details. Details must be stamped by a Utah registered structural engineer.
- Joist spans shall be in accordance with Table R502.3.1 or designed under IBC criteria.
- Any product used shall be approved as an alternate by an ICBO Evaluation Report.
- Walls supporting two floors shall be 2x6 or 3x4 studs at not less than 16" o.c. Stud height in bearing walls cannot exceed 10'. Stud height in non-bearing wall cannot exceed 14' for 2x4s or 20' for 2x6s unless engineered. Table R602.3.1
- Subfloor and roof sheathing should be in accordance with R503 and R803
- All weather exposed surfaces shall have a weather-resistive barrier to protect the walls under finish material. The most common type is a waterproof building paper or felt applied weatherboard fashion, lapped at least 2" at horizontal joints and at least 6" at vertical joints. "One coat" stuccos require 2 layers. R703.2
- Stucco system shall be installed in accordance with R703.6 or shall be an approved system with an ICBO Evaluation Service number. All "systems" must be applied in strict compliance with the manufacturers' recommendations including requirements for seelfurring lath, flashing, corner treatment, expansion control joints, and drainage system.
- Any component of a house which does not fall under the provisions for IRC conventional construction may require structural engineering. R301.2
- A 6-mil polyethylene or approved vapor retarder with joints lapped not less than 6 inches shall be placed between the concrete floor slab and the base course or the prepared sub grade where no base course exists. - IRC R506.2.3 (typical at all units)

MISCELLANEOUS

- Laundry chute, 26ga sheet metal with locklapped joints. All openings to the enclosure shall be protected by not less than a self closing wood door 1.38" thick or equivalent.
- A double wrap of rebar is required around all windows and over the tops of all doors in foundations.
- Waterproofing is required for all foundations enclosing basements below finish grade. Wet Dry Mastic at cold joints or cracks.
- Beam pockets in concrete or masonry walls shall be sized to allow a minimum 1/2" air space on the top, sides, and ends of the beam.
- Provide a 1/2" minimum clearance between top plate of interior partitions and bottom chord of trusses (to ensure that loading will be as designed)
- Provide a double top plate with a minimum 48" lap splice.
- Design and details of factory built trusses must be signed by Utah licensed engineer, and are to be on job site for rough inspection.
- Columns and posts located on concrete or masonry floors or decks exposed to the weather or to water splash or in basements, and which support permanent structures, shall be supported by concrete piers or metal pedestals projecting above floors unless approved wood of natural resistance to decay or related wood is used. the pedestals shall project at least 6" above exposed earth and at least 1" above such floors.
- Use 9" flashing and caulk for windows, and to have windows installed as per manufactures specs.
- Individual concrete or masonry piers shall project at least 6" above exposed ground unless the columns or posts which they support are of approved wood with natural resistance to decay or of treated wood.
- Ridgeboards, hips and valley rafters shall be the same depth as the cut end of the supported rafters.
- Platforms, catwalks, light, and GFI outlets are required for attic appliances, insulation shall be kept away from attic appliances.

PLUMBING & MECHANICAL

- Each water closet shall be located in a clear space not less than 30" in width (15" from the center to any obstruction) and have a clear space in front of not less than 21". Figure 307.1
- A shower compartment shall be 30" square min. with 24" clear space in front. R307.1
- Cement, fiber-cement or glass mat gypsum backers installed in accordance with manufactures recommendations shall be used as backers for wall tile in tub and shower areas and wall panels in shower areas. 702.4.2
- All appliances (water heater, boiler, etc.) which require pressure relief valves shall be provided with a full sized drain which shall extend from the valve to an indirect waste, such as a floor drain. All floor drains shall have trap primers or deep seal design. P2803 & P3201.2
- Gas fired furnaces and water heaters shall not be located in a bedroom, bathroom, storage closet, toilet room or in any enclosed space with access only through such a room or space. G2406
- Water heaters and heating appliances located in garages which generate a glow, spark or flame shall be installed with the pilots, burners or heating elements and switches at least 18" above the floor level. G2408.2
- The water heater space and furnace room shall have an opening or door with a continuous passageway at least 2' in width and large enough to permit removal of the largest equipment in the room. M1305.1.2
- It shall be possible to remove water heaters without first removing any permanent part of the structure. M1305.1
- An unobstructed working space at least 30" deep and the height of the furnace or water heater (30" minimum) shall be provided along the entire front or firebox side of the furnace. M1305
- The building shall comply with Chapter 17 of the IRC Section M1701.

- A furnace shall not be installed in a closet or alcove less than 12" wider than the furnace and shall provide a minimum working space of 3" along the sides, back, and top. M1305.1.1
- A furnace shall not be installed with a clearance of less than 6" along the combustion chamber opening side. M1305.1.1
- The air removed by every mechanical exhaust system shall be discharged to the outdoors. Air shall not be exhausted into an attic, soffit, ridge vent or crawl space. IRC M1501.1
- All dryer exhaust systems shall be compliant with RM1502
- Cooking appliances shall be tested, listed and labeled as household type for domestic use and installed per the manufacturer's instructions. G2447
- A evaporative cooler must be located a minimum of 10' from all vents, flues and exhaust terminations. Flues may be extended 3' above intake opening of evaporative cooler in lieu of 10' horizontal separation.
- Water closets shall have a maximum flow rate of 1.6 gallons per flush. Shower heads shall have a maximum flow rate of 2.5 gpm. P2903.2
- Water hammer arresters are required with quick-closing valves (dish clothes washers). P2903.5
- The hot water supplied to bathtubs and whirlpool tubs shall be limited to a maximum temperature of 120 F by a water temperature limiting device that conforms to ASSE 1070,except where such protection is otherwise provided by a combination tub/shower valve in accordance with Section P2708.3
- Fixtures that have flood level rims located below the elevation of the next upstream manhole cover of the public sewer serving such fixtures shall be protected from backflow or sewage by installing an approved backwater valve. P 3008
- Provide access to motors and pumps on all jetted tubs.
- Provide non-freeze type backflow prevention hose bibs IRC p2902.3.3 & p2603.6
- Provide an expansion tank on the culinary water system. Locate in mechanical room. p2903.4
- In seismic design categories C, D0, D1, and D2, water heater shall be anchored or strapped in the upper third and lower one-third of the appliance to resist a horizontal force equal to one-third of the operation weight. IRC P2801.7
- Floor drains shall be provided near all water heaters.
- Floor drains shall be fully visible and accessible.
- Plumbing and conduit penetrations of the separation wall between the garage and the residence shall be of copper or ferrous.
- All fuel burning appliances shall be provided with combustion air in accordance with the appliance manufactures installation instructions. Oil-fired appliances shall be provided with combustion air in accordance with NFPA 31. IRC M1701
- Provide gas logs and each gas appliance with a shutoff valve within 6 feet of the appliance. IRC G2420 (G2420.5)
- Hydromassage motors shall be provided with adequate ventilation, be accessible by way of removable panel or door or be on a dedicated GFCI circuit.
- Any jetted tubs to have an access door to motor of 12"x12" if distance to motor from access panel is equal to or less than 24", or 18"x18" greater than 24".
- Heating and cooling system shall be designed to ACCA manual J&D or other approved calculation.
- Shower pans must have a 22" clear opening & tile around tubs must have a fiber cement backer board.
- Shower pans must have an approved liner ending 3" above the finished threshold, solid blocking is required behind the liner. Note that the slope must be built up under the liner.
- All bathtubs and showers shall have an anti-scld valve limiting water temperature to 120 degrees.
- Hot water heaters must have an expansion tank, 2 seismic straps, and a T&P valve. A pan is required if a leak will damage the property.
- Provide backflow preventors or vacuum breakers for protection of potable water on hose bibs, irrigation or sprinkler systems, boilers, etc.
- Provide backwater valves for dwv that are lower than the nearest manhole cover. This will require that basement waste systems will be plumbed independently.
- A permanent certificate shall be posted on or in the electrical distribution panel listing the predominant R-values of insulation installed in or on ceiling/roof, walls, foundation, (slab, basement wall, crawlspace wall and/or floor) and ducts outside the conditioned spaces; U-factors of windows, and solar heat gain coefficient of windows. The type and efficiency of heating, cooling and service water heating equipment shall also be listed. IRC N1101.9
- Ductwork in unconditioned spaces will have R-8 value insulation.
- Contractor to verify all rough opening sizes with equipment, fixture, windows, doors, and other items were different manufactures with have different rough opening sizes. Contractor to verify all tub dimensions with tubs to be used.
- Insulate heating trunk and branch supply ducts in unfinished areas, crawl spaces, attics, unheated garages, etc. IRC M1502.2
- Vent the dryer to the outside. Maximum length of the duct with 2 90° elbows is 15 feet. IRC M1502.2
- Combustion air for all fuel-burning appliances must be shown at a minimum rate of 1 sq inch per 3000 Btu/hour input. Opening must be in the top 12 inches of the room. Minimum of 1 inch clearance must be shown around equipment at sides and rear of the appliance. Show minimum 6 inches of clearance in front of appliances. IRC M1701
- Floor drains to have trap primers or deep seal traps.

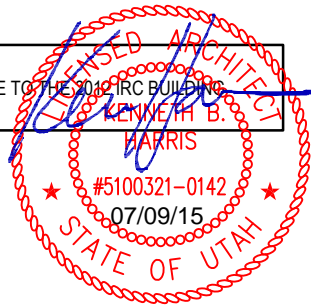
NOTE:
REFER TO THE 2012 IRC & 2012 IECC FOR SECTIONS & TABLES.

NOTE:
IT IS THE CONTRACTORS RESPONSIBILITY TO COMPLY WITH THE LOCAL JURISDICTIONS CURRENT ADOPTED CODES.

ELECTRICAL

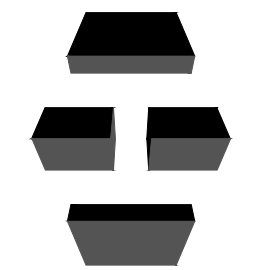
- Lighting Outlets
 - At least one wall switch controlled lighting outlet shall be installed in every habitable room; in bathrooms, hallways, stairways, attached garages and detached garages with electric power; and at outdoor entrances (not including garage overhead or vehicle doors), in habitable rooms, other than kitchens and bathrooms, receptacles controlled by a wall switch is permitted in lieu of lighting outlets. IRC E3903.2 & 3
 - At least one switch controlled, lighting outlet is required at the entry of attic, crawl space, utility room or basement with storage or equipment. The lighting outlet shall be provided at or near any equipment requiring servicing. IRC E3903.2 & 3
 - Lighting is required for all interior and exterior stairways. Lighting outlets at stairs shall be switched at each floor level where the difference between floor levels is six steps or more. IRC E3903.2 & 3
 - Incandescent fixtures in closets shall be a minimum of 12" from any shelf edge, measured horizontally (6" for fluorescent fixtures). The dimension for shelves less than 12" wide will be 24" from the wall. IRC E4003.12
 - All light fixtures and switches in bathroom / shower areas or in damp or wet locations shall comply with the IRC E4003.9 - E4003.11
- Receptacle Outlets
 - Receptacles shall be installed so that no point measured horizontally along the floor line in any wall space is more than 6 feet from a receptacle outlet. IRC E3901.2.1 & E3901.2.2
 - Kitchen and dining area counter tops shall have receptacle outlets at each counter space wider than 12". Receptacles shall be installed so that no point along the wall line is more than 24" from an outlet. One outlet is required for island and peninsular counter tops which shall be installed above or within 12" below the counter top. (receptacle outlets shall not be installed in a face up position on countertop) IRC E3901.4.1 - E3901.4.5
 - 125V single phase, 15 or 20 ampere rated receptacle outlet shall be installed at an accessible location for the servicing of heating, air-conditioning and refrigeration equipment. Outlet shall be installed at the same level and within 25 feet of the equipment. IRC E3901.12
 - Outlets shall be installed in bathrooms within 36" of the outside edge of the basin on the wall adjacent to the basin. IRC E3901.6
 - At least two outlets that are accessible at ground level shall be installed outdoors. There shall be a minimum of one outlet at the front and one outlet at the back of dwelling within 6'-6" of grade. IRC E3901.7
 - At least one outlet shall be installed for the laundry. IRC E3901.8
 - At least one outlet, in addition to any provided for laundry, shall be installed in each basement and each attached garage, and in each detached garage with electric power. IRC E3901.9
 - For hallways 10' or more long, one outlet shall be provided. IRC E3901.10
 - All electrical circuits providing power to bedrooms shall be provided by an arc-fault circuit interrupter as required by IRC E3902.11 (as amended by the State of Utah)
- Permanent access must be provided to all hot tub and whirlpool tub equipment requiring service. IRC E4209.3
- Smoke and multiple station smoke alarms in new construction, the required alarms shall receive their primary power from the building wiring and be equipped with a battery back-up. Single and multiple station alarms shall be mounted on the ceiling of wall at a point centrally located in the hall or area giving access to each separate sleeping area and in every bedroom. IRC 314-315
- When a house has more than one story and/or has a basement, a detector shall be installed on each story and in the basement. Where a story or basement is split into two or more levels, the smoke detector shall be installed on the upper level of each story. However, when the lower level contains a sleeping area, a detector shall be installed on each level of the story or basement.
- Detectors shall be wired in series so that an audible alarm sounds in all sleeping areas at the same time.
- The electrical panel shall have a clear working space 30" wide, 36" deep and 6'-6" high in front. NEC 110.26
- All receptacles serving kitchen countertops, in garages, baths, unfinished basements and outside receptacles shall be GFCI protected. IRC Section E3902
- GFCI protection is required at:
 - All Exterior outlets (must be waterproof and a minimum of one).
 - All unfinished basement outlets (minimum of one).
 - Attached garage outlets (except dedicated) (minimum of one).
- Outlet to be shown within 25' of HVAC equipment.
- A carbon monoxide detector is req'd on each level of the house.
- All light fixtures above tubs and showers will be rated for damp location.
- U-FER ground shall be installed as per E3608 and NEC 250.50.
- Electrical panels must comply with IRC E3405 for 30" by 36" working space and 6'-6" headroom.
- All 125-volt, single phase, 15- or 20-ampere receptacles installed in garages shall have ground-fault circuit-interrupter protection for personnel. E3902.2
- A minimum of 50 percent of the lamps in permanently installed lighting fixtures shall be high-efficiency lamps. N1104.1
- Provide U-FER ground. E3508.1.2 & NEC 250.50
- Smoke detectors shall comply with NFPA 72.
- GFCI outlets required within 6'-0" of sink rims per IRC E 3902.7

NOTE:
RESIDENCE TO BE BUILT IN ACCORDANCE TO THE 2012 IRC BUILDING CODE.



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KBH

HARRIS ARCHITECTURE



BRANDON RINDLISBACHER

A NEW RESIDENCE FOR

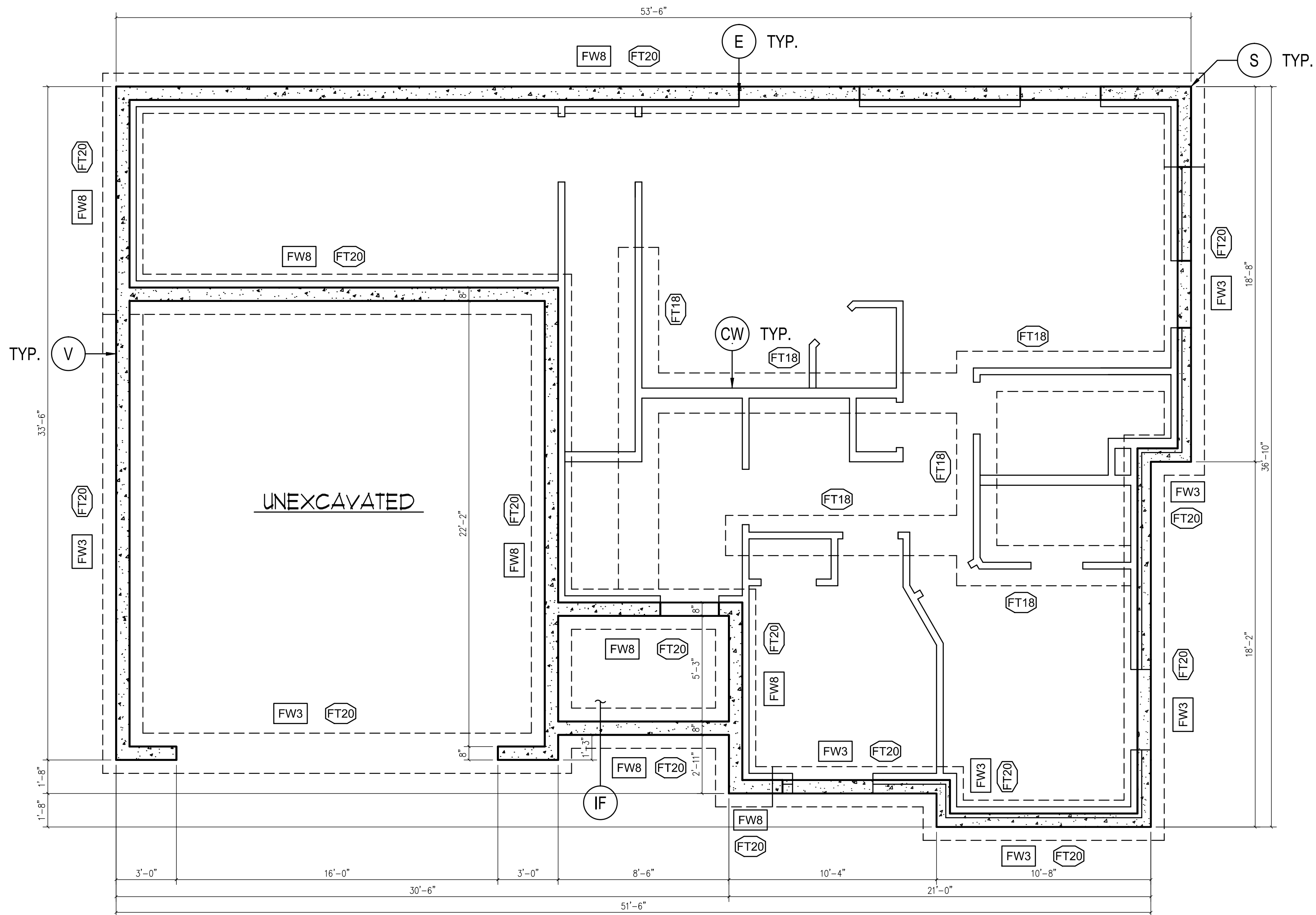
GENERAL NOTES

7-09-2015

A3.1

665 WEST 1100 SOUTH PAYSON, UTAH

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PLOT DATE: 7/9/2015 Q:\ACAD\FigRINDLISBACHER - BRANDONRND_S-14-FPP-ACUTE.DWG



FOOTING SCHEDULE					
MARK	WIDTH	LENGTH	THICK.	REINFORCEMENT	
				TRANSVERSE	LENGTHWISE
FT18	18"	CONT.	10"	-	(2) #4
FT20	20"	CONT.	10"	-	(2) #4
1. CONTINUOUS FOOTINGS SHALL BE CENTERED UNDER WALLS AND SPOT FOOTINGS SHALL BE CENTERED UNDER COLUMNS UNLESS NOTED OTHERWISE.					

FOUNDATION SCHEDULE					
MARK	HEIGHT	WIDTH	REINFORCEMENT		
			VERTICAL	HORIZONTAL	LAYER
FW3	3'	8"	#4 @ 24"	(3) #4	CENTER
FW8	8'	8"	#4 @ 24"	(6) #4	CENTER
1. DOWEL VERTICAL BARS INTO FOOTING.					
2. PLACE TOP AND BOTTOM BARS WITHIN 4" OF TOP AND BOTTOM OF WALL.					
3. PLACE REINFORCEMENT IN CENTER OF WALL OR NEAR EACH FACE, AS NOTED.					

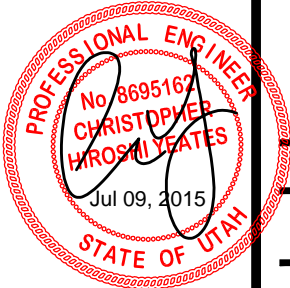
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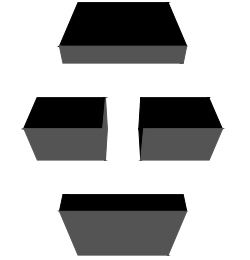
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A NEW RESIDENCE FOR
BRANDON RINDLISBACHER
FOOTING AND FOUNDATION PLAN

**HARRIS ARCHITECTURE**
3520 N UNIVERSITY AVENUE #200, PROVO UT 84604 | 801-377-6303 | WWW.HARRIS-ARCHITECTURE.COM

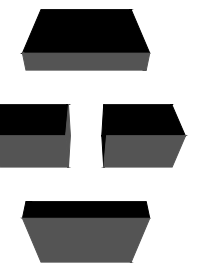
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665 WEST 1100 SOUTH PAYSON, UTAH

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BRANDON RINDLISBACHER

MAIN FLOOR FRAMING

-09-2015

S2.0

BEAM SCHEDULE	
MARK	TYPE
MB 01	(2)2X6
MB 02	(2)1.75X9.5 LVL
MB 03	(2)2X6
MB 04	(2)2X6
MB 05	(2)2X6
MB 06	(2)2X6
MB 07	1.75X11.875 LVL
MB 08	1.75X11.875 LVL
MB 09	1.75X11.875 LVL
MB 10	(2)2X6
MB 11	(2)2X6

1. DIMENSIONAL LUMBER OF#2 U.N.O.
2. LAMINATED VENEER LUMBER (LVL)
1.9E
3. GLUED-LAMINATED TIMBER (GLB)
24F-1.8E
4. STEEL W-SHAPES A992-50
5. SUFFIXES (A, B, ETC.) DENOTE
ALTERNATIVES FOR THE SPECIFIED
BEAM

FLOOR JOIST SCHEDULE	
MARK	TYPE
FJ 01	11.875" TJI 110 @ 16" O.C.
FJ 02	2X6 @ 16" O.C.
1. DIMENSIONAL LUMBER DF#2 U.N.O.	
2. SUFFIXES (A, B, ETC.) DENOTE ALTERNATIVES FOR THE SPECIFIED JOIST	

SHEATHING SCHEDULE	
TYPE	THICKNESS
FLOOR	3/4" (48/24 SPAN RATING)
ROOF	7/16" (24/16 SPAN RATING)
1. SHEATHING PERPENDICULAR TO SUPPORTS.	
2. FLOOR SHEATHING NAILED & GLUED TO SUPPORT.	
3. 8d COMMON NAILS 6" O.C. (EDGES) 12" O.C. (FIELD)	
4. NAILING NO CLOSER THAN 3/8" FROM PANEL EDGE.	

POST SCHEDULE	
MARK	TYPE
P 02	(2)2X POST
P 04	(4)2X POST
P 05	4X4 POST
T 02	(2)TRIM
T 16	(2)TRIM (3)KING
1. PARALLEL STRAND LUMBER (PSL) 1.8E	
2. STEEL PIPE (PIPE STD) A53	
3. STEEL HOLLOW SECTION (HSS) A500	
4. STEEL COLUMNS REQUIRE BEARING PLATES	
5. CONTINUE POSTS TO FDN / STRUCT MEMBER	

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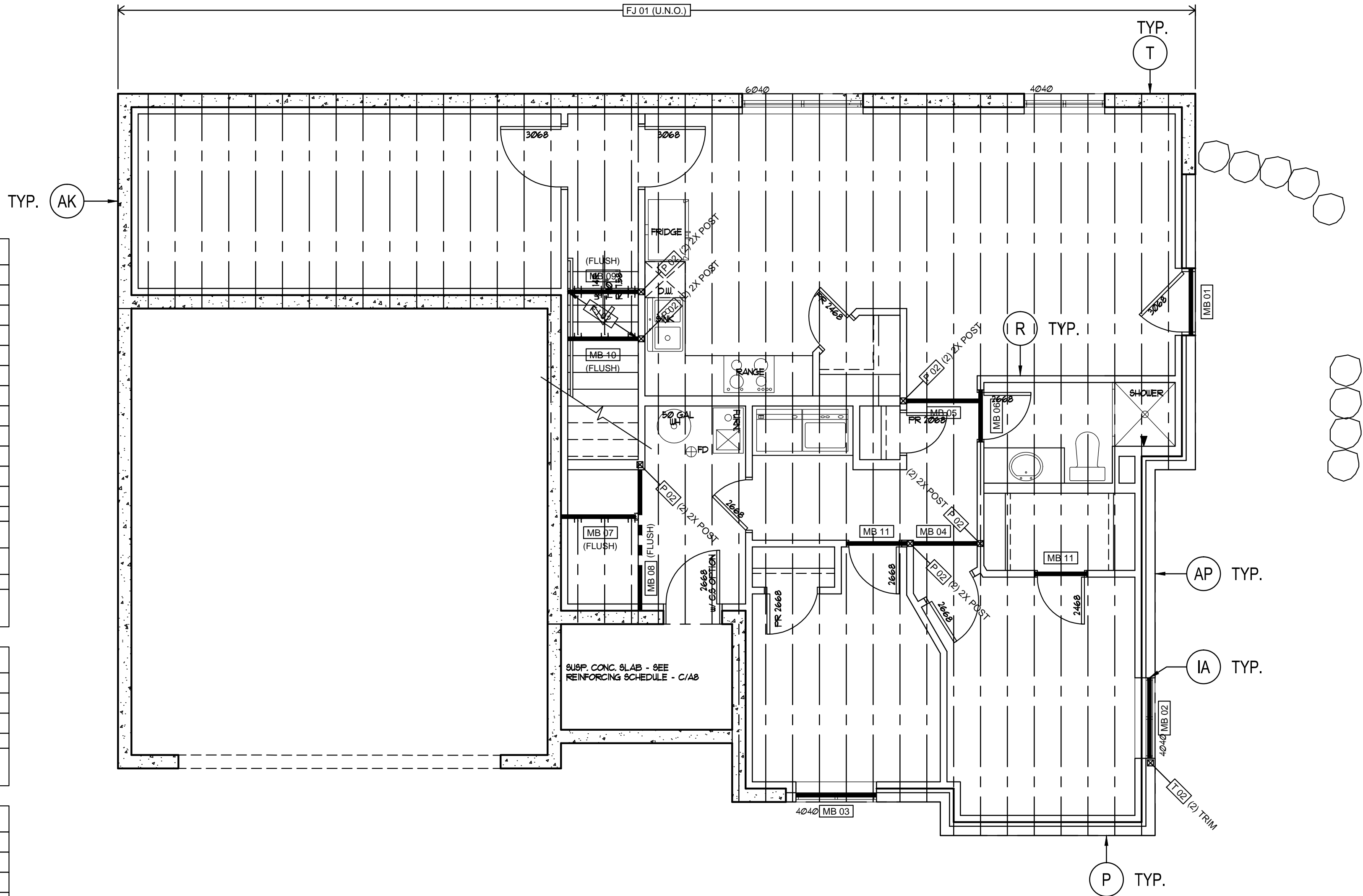
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info@acuteengineering.com



MAIN FLOOR FRAMING PLAN
plan 1268 scale - 1/4"=1'-0"

665 WEST 1100 SOUTH PAYSON, UTAH

THESE DRAWINGS OR ANY PARTS THEREOF, AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF THE ARCHITECTS AND MAY NOT BE REPRODUCED OR USED ON OTHER WORK WITHOUT THEIR WRITTEN CONSENT
PLOT DATE: 7/9/2015 Q:\ACAD\FIRINDLESBACHER - BRANDONRND_S-4-C-RFP-ACUTE.DWG

BEAM SCHEDULE	
MARK	TYPE
RB 01	(2)2X6
RB 02	(2)2X6
RB 03	(2)2X10
RB 04	(2)1.75X9.5 LVL
RB 05	(2)2X8
RB 06	(2)1.75X9.5 LVL
RB 07	(2)2X6
1. DIMENSIONAL LUMBER DF#2 U.N.O.	
2. LAMINATED VENEER LUMBER (LVL) 1.9E	
3. GLUED-LAMINATED TIMBER (GLB) 24F-1.8E	
4. STEEL W-SHAPES A992-50	
5. SUFFIXES (A, B, ETC.) DENOTE ALTERNATIVES FOR THE SPECIFIED BEAM	


SHEATHING SCHEDULE	
TYPE	THICKNESS
FLOOR	3/4" (48/24 SPAN RATING)
ROOF	7/16" (24/16 SPAN RATING)
1. SHEATHING PERPENDICULAR TO SUPPORTS.	
2. FLOOR SHEATHING NAILED & GLUED TO SUPPORT.	
3. 8d COMMON NAILS 6" O.C. (EDGES) 12" O.C. (FIELD)	
4. NAILING NO CLOSER THAN 3/8" FROM PANEL EDGE.	

WOOD TRUSS LOADS	
GROUND SNOW LOAD, Pg = 45 PSF	
FLAT ROOF SNOW LOAD = 30 PSF	
TOP CHORD DEAD LOAD = 10 PSF	
BOTTOM CHORD DEAD LOAD = 5 PSF	
1. DESIGN SNOW LOADS SHALL BE IN ACCORDANCE WITH ASCE 7-10 CHAP.7 (2012 IBC 1608.1)	

POST SCHEDULE	
MARK	TYPE
P 02	(2)2X POST
P 04	(4)2X POST
P 05	4X4 POST
T 02	(2)TRIM
T 16	(2)TRIM (3)KING
1. PARALLEL STRAND LUMBER (PSL) 1.8E	
2. STEEL PIPE (PIPE STD) A53	
3. STEEL HOLLOW SECTION (HSS) A500	
4. STEEL COLUMNS REQUIRE BEARING PLATES	
5. CONTINUE POSTS TO FDN / STRUCT MEMBER	

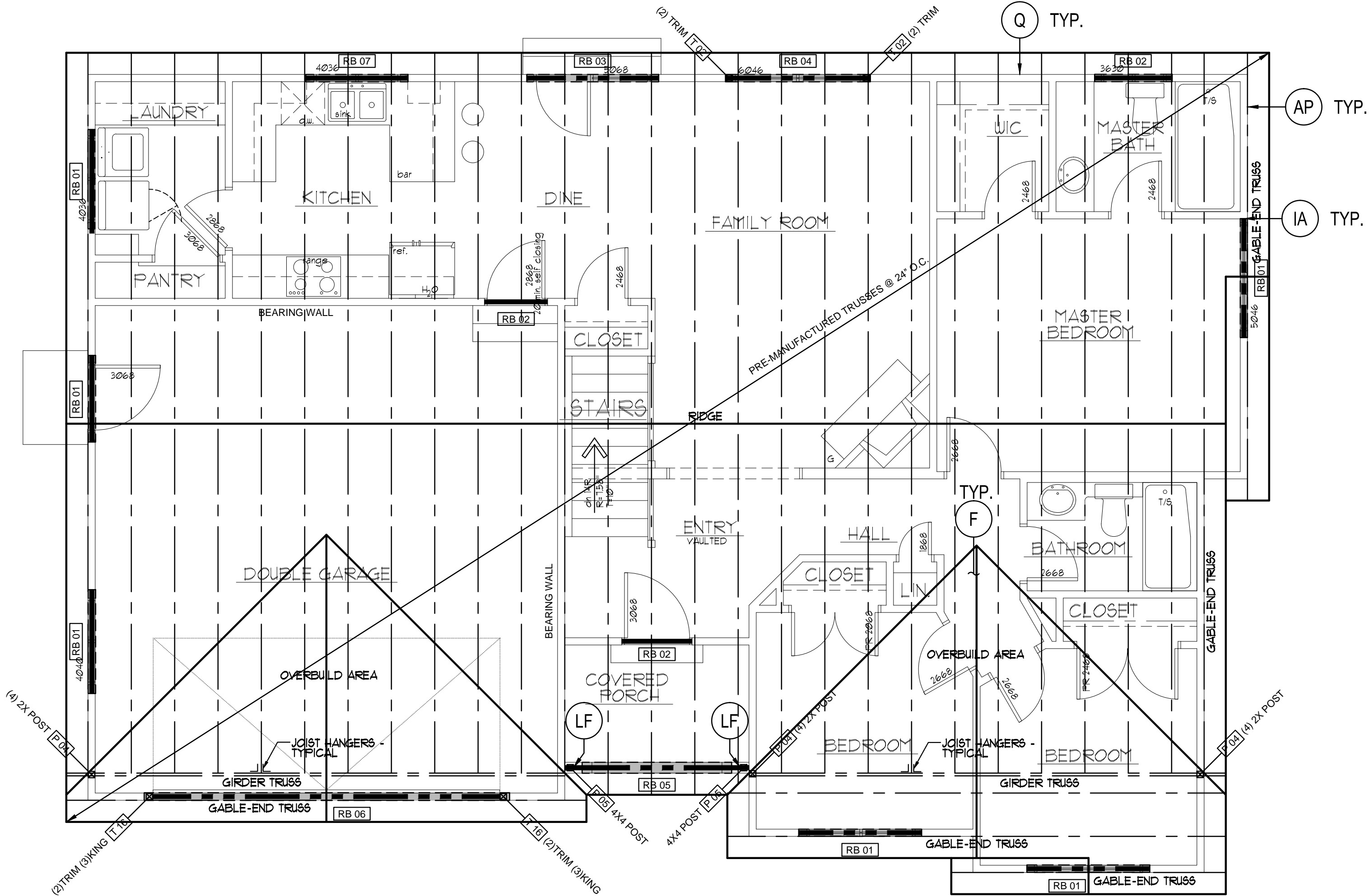
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DIMENSIONS AND ELEVATIONS ARE SUPPLIED BY THE ARCHITECT. THEY MAY BE PROVIDED ON THE STRUCTURAL PLANS AND DETAILS FOR THE CONVENIENCE OF THE CONTRACTOR. VERIFY DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS.

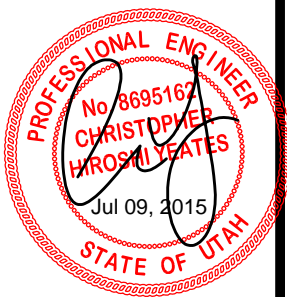
**ACUTE
ENGINEERING, INC.**

1429 South State St.
Orem, Utah 84097

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ROOF FRAMING PLAN
plan 1268 scale - 1/4"=1'-0"



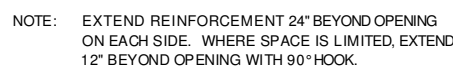
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HARRIS ARCHITECTURE RINDLESBACHER RESIDENCE
(PAYSON)

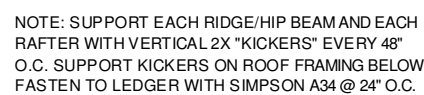
STRUCTURAL DETAILS

A circular red seal for a Professional Engineer in the State of Utah. The outer ring contains the text "PROFESSIONAL ENGINEER" at the top and "STATE OF UTAH" at the bottom. Inside the ring, the text "No. 8695167" is at the top, "CHRISTOPHER HIROSHI TEATES" is in the center, and "Jul 09, 2015" is at the bottom. A large, stylized black signature is written across the center of the seal, overlapping the name and the expiration date.

SD1



E FOUNDATION WALL -
CONCRETE LINTEL
NO SCALE



F ROOF FRAMING -
OVER BUILD FRAMING
NO SCALE



H HOLD-DOWN -
FLOOR STRAP
NO SCALE



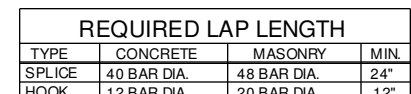
P EXTERIOR TO FLOOR
(150 PLF UNIT SHEAR)
NO SCALE



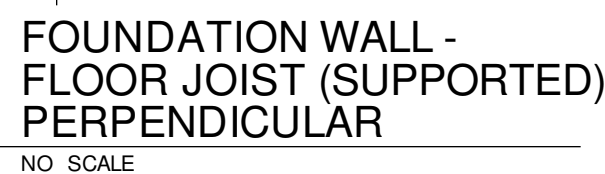
Q ROOF FRAMING - BLOCKING
(150 PLF UNIT SHEAR)
NO SCALE



R BEARING WALL -
INTERIOR TO FLOOR
NO SCALE



S FOUNDATION WALL -
CORNER & INTERSECTION
REINFORCING
NO SCALE



T FOUNDATION WALL -
FLOOR JOIST (SUPPORTED)
PERPENDICULAR
NO SCALE



V FOUNDATION WALL -
SLAB ON GRADE
NO SCALE



Y SHEAR WALL -
PERFORATED
NO SCALE



AD HOLD-DOWN -
FOUNDATION STRAP
NO SCALE



AK FOUNDATION WALL -
FLOOR JOIST (SUPPORTED)
PARALLEL
NO SCALE



AP DIAPHRAGM -
TOP PLATE SPLICE
NO SCALE



3M SHEAR WALL -
STEPPED FOUNDATION
NO SCALE

NOTES:	
1.	SPACING VALID FOR LATERAL LOAD ONLY, 7/16 STRUCTURAL II PLYWOOD OR OSB SHEATHING.
2.	STAPLES SHALL HAVE A MINIMUM CROWN WIDTH OF 7/16 INCH.
3.	FASTENERS IN PRESERVATIVE-TREATED AND FIRE-RETARDANT-TREATED WOOD SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL, SILICON

BP SHEAR WALL - EQUIVALENT
SHEATHING FASTENERS
NO SCALE

STRUCTURAL DETAILS

4" CONCRETE SLAB

2X STUD WALL

CONCRETE NAILS EVERY 16" O.C. OR ANCHOR BOLTS WHERE REQUIRED (SEE SHEAR WALL SCHEDULE FOR ANCHOR BOLT SIZE AND SPACING)

LENGTHWISE REINFORCEMENT (SEE STRUCTURAL)

FOOTING DEPTH (SEE STRUCTURAL)

FOOTING WIDTH (SEE STRUCTURAL)

NOTE: FASTENERS IN PRESERVATIVE-TREATED AND FIRE-RETARDANT-TREATED WOOD SHALL BE OF HOT DIPPED ZINC-COATED GALVANIZED STEEL, SILICON BRONZE OR COPPER.

CW

BEARING WALL - INTERIOR FOOTING

NO SCALE

SEE STRUCTURAL PLAN FOR SHEAR WALL EXTENT AND REQUIREMENTS

CS16 (32" LONG) WITH SOLID BLOCKING AT TOP OF OPENING

WINDOW OPENING (WHERE OCCURS)

CS16 (32" LONG) WITH SOLID BLOCKING AT BOTTOM OF OPENING

DOOR OPENING (WHERE OCCURS)

(2) 2X POST OR 4X POST - PROVIDE EDGE NAILING ALONG FULL HEIGHT OF POST

HOLD-DOWN IF REQUIRED (SEE STRUCTURAL)

SEE SHEAR WALL SCHEDULE FOR ANCHOR BOLTS SIZE AND SPACING

FH

SHEAR WALL - FORCE TRANSFER AROUND OPENINGS

NO SCALE

KING STUD MIN. (1) PLY U.N.G.

HEADER (SEE STRUCTURAL)

TRIMMER(S) (SEE STRUCTURAL)

TWO PLYS: 10d COMMON (0.148x37) NAILS @ 24" O.C.

THREE OR MORE PLYS: FACE NAILING 10d COMMON (0.148x37) NAILS @ 6" O.C. STAGGERED

IA

WOOD BEAM - WALL HEADER FRAMING

NO SCALE

2X SUPPORT	MAX SPAN
2X4 DF#2 @ 16" O.C.	4'-10"
2X6 DF#2 @ 16" O.C.	7'-0"

FOUNDATION VERTICALS BENT INTO SLAB

2" CLEAR

4,000 PSI CONCRETE

#4 BARS @ 18" O.C. EACH WAY

25% OF SPAN

3" 16d HILTI NAILS @ 8" O.C.

2X SUPPORT: SEE SCHEDULE ABOVE FOR MAX SPAN

2X TEMPORARY SHORING

WOOD FORM

IF

COMPOSITE SLAB - MAX CLEAR SPAN 10'-0"

NO SCALE

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ORIGINAL PROJECT #
60715

DRAWN BY:
MCW

CHECKED BY:
PRT

SCALE:
NTS

DATE:
08 JUL 2015

HARRIS ARCHITECTURE RINDLESBACHER RESIDENCE
(PAYSON)

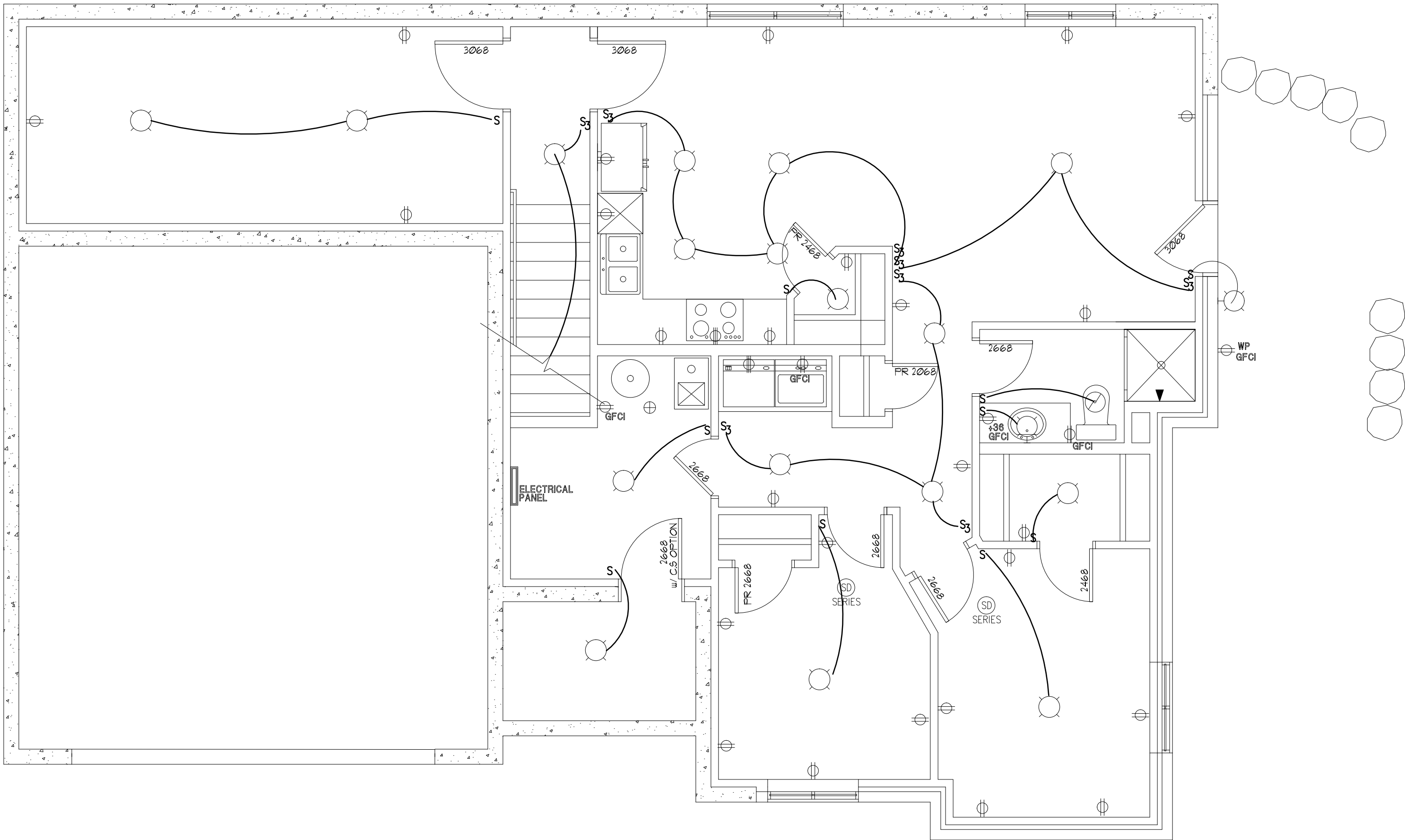
STRUCTURAL DETAILS

ISSUES / REVISIONS

PROFESSIONAL ENGINEER
No. 868516
CHRISTOPHER W. RASMUSSEN
Jul 09, 2015
STATE OF UTAH

SD2

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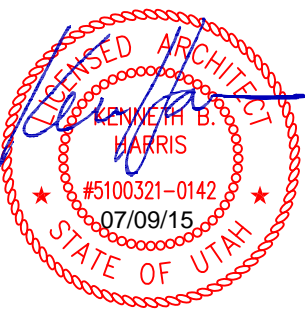


NOTE: ALL RECEPTACLES SERVING COUNTER-TOPS IN THE KITCHEN AND IN GARAGE, IN BATHS, • OUTSIDE GRADE LEVEL, AND UNFINISHED BASEMENTS NEED TO BE GFCI PROTECTED.

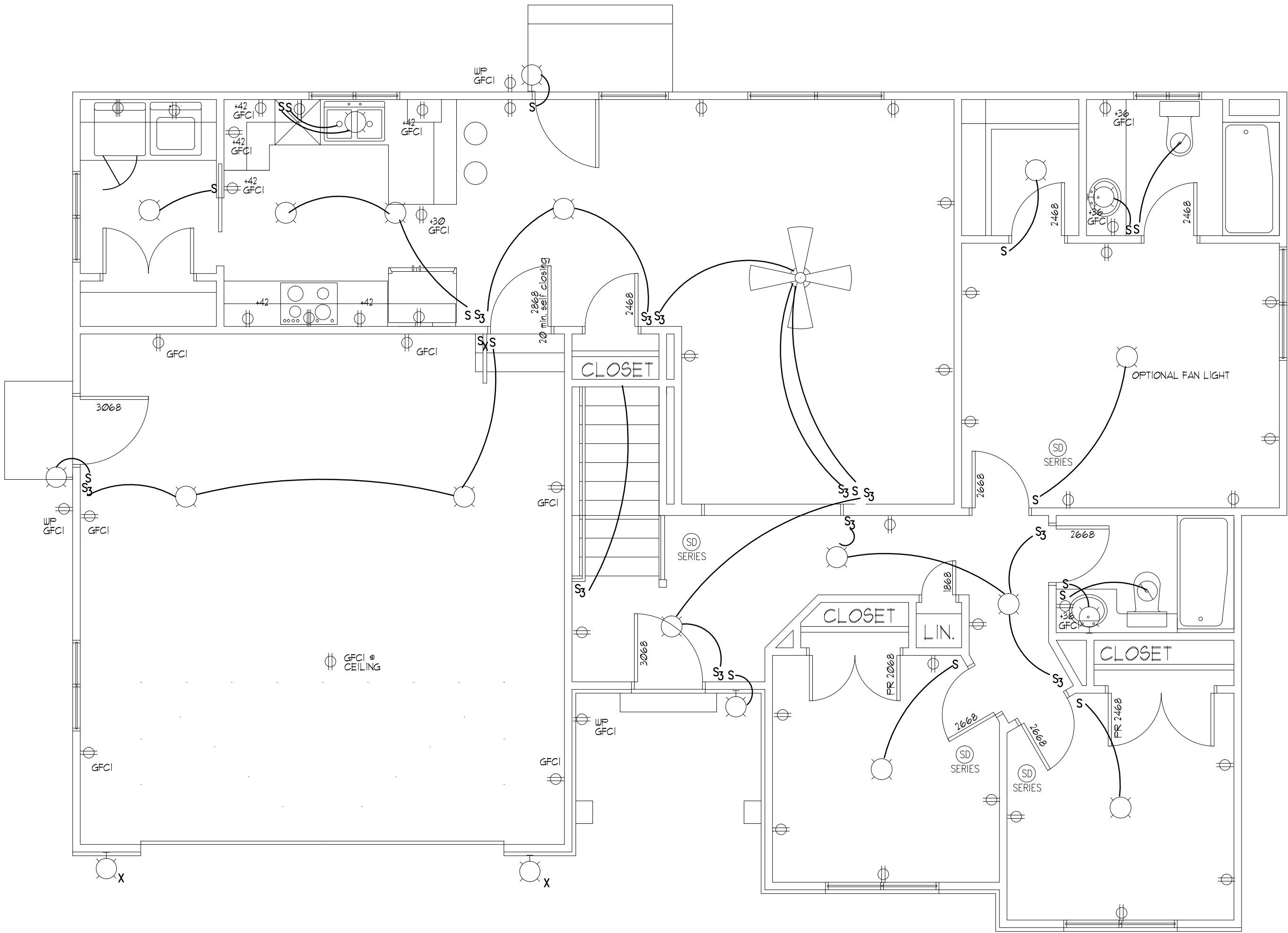
BASEMENT ELECTRICAL PLAN (unfinished)
plan 1268 scale - 1/4"=1'-0"

- GENERAL NOTES**
- ALL RECEPTACLES AT KITCHEN, GARAGE, AND BATHROOM COUNTERTOPS, AT EXTERIOR GRADE LEVEL, AND AT UNFINISHED BASEMENTS ARE TO BE GFCI.
 - WIRING WITHIN 6'-0" OF ATTIC ACCESS MUST HAVE LUMBER-GUARD STRIP.
 - ELECTRICAL IS SCHEMATIC ONLY. VERIFY WITH CONTRACTOR AND OWNER.
 - COMBINATION ARC FAULT PROTECTION REQUIRED AT ALL BEDROOM LIGHTS, SWITCHES, SMOKE DETECTORS, AND RECEPTACLES.
 - RECESSED CAN LIGHTS ABOVE TUBS OR SHOWERS SHALL HAVE LENS GASKET.
 - ALL EXTERIOR OUTLETS TO HAVE APPROVED IN-USE COVERS.
 - ALL ELECTRICAL RECEPTACLES TO BE TAMPER-PROOF.
 - A SERVICE OUTLET MUST BE INSTALLED BY THE FURNACE.

- ELECTRICAL KEY**
- SINGLE POLE SWITCH
 - THREE WAY SWITCH
 - FOUR WAY SWITCH
 - DIMMER SWITCH
 - PHOTO CELL SWITCH
 - PULL CHAIN FIXTURE
 - CEILING FIXTURE - FLUSH MOUNT
 - CEILING KEYLESS LIGHT
 - KEYLESS
 - WATERPROOF RECESSED CAN
 - RECESSED CAN LIGHT FIXTURE
 - WALL MOUNTED FIXTURE
 - RECESSED EYEBALL CAN FIXTURE
 - PENDANT LIGHT FIXTURE
 - WALL SCONCE
 - SMOKE DETECTOR - WIRED IN SERIES
 - CARBON MONOXIDE AND SMOKE DETECTOR COMBINATION (1) AT EACH FLOOR LEVEL CENTRALLY LOCATED PER CODE
 - EXHAUST FAN
 - FLOOD LIGHT
 - CEILING FAN ROUGH-IN
 - CEILING FAN
 - WIRING (SCHEMATIC ONLY)
 - DUPLEX OUTLET
 - CEILING OUTLET
 - FLOOR OUTLET
 - GROUND FAULT INTERRUPT
 - RANGE OUTLET
 - WATERPROOF OUTLET
 - HIGH VOLTAGE OUTLET (240)
 - DATA OUTLET
 - TELEVISION OUTLET
 - TELEPHONE OUTLET
 - ELECTRICAL PANEL



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NOTE: ALL RECEPTACLES SERVING COUNTER-TOPS IN THE KITCHEN AND IN GARAGE, IN BATHS, & OUTSIDE GRADE LEVEL, AND UNFINISHED BASEMENTS NEED TO BE GFCI PROTECTED.

NOTE: WIRING WITHIN 6' OF ATTIC ACCESS MUST HAVE LUMBER-GUARD STRIP.

MAIN ELECTRICAL PLAN

plan 1268

scale - 1/4"=1'-0"

GENERAL NOTES

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- TELEPHONE OUTLET
- ELECTRICAL PANEL

DRAWN BY
KBH

HARRIS ARCHITECTURE

3520 N UNIVERSITY AVENUE #200, PROVO UT 84604 | 801-377-6303 | WWW.HARRIS-ARCHITECTURE.COM

A NEW RESIDENCE FOR

BRANDON RINDLISBACHER

MAIN ELECTRICAL PLAN

7-09-2015

E1.1

665 WEST 1100 SOUTH PAYSON, UTAH

