2018 Interior Energy Cons. Code (Table N1102.1.2)

Permit Set

10/1/2021

Doors & Windows: Glazing SHGF: Skylights: Roof U-0.55 MAX R-49 MIN Attic Ceilings: R-38 MIN Vaults: R-30 MIN Vaults < 500sf: Wood Frame Walls: R-20 or R-13 + 5 MIN Basement Walls: R-13 or R-10 Continuous R-19 MIN Floor (over unconditioned): R-10 for 24" MIN Slab on Grade: Ductwork: 90% AFUE MIN Fuel Fired Furnace: Electic Furnace: No Minimum Cooling System: 13 SEER MIN Water Heater Gas Fired Storage: 0.62 EF MIN Gas Fired Instant: 0.97 EF MIN Electic Storage: Electic Instant: 0.93 EF MIN

An energy efficient certificate is required to be posted in or on the electrical panel before the final inspection. The certificate will be provided with all new residential permits. It is the permit holder/contractor's responsibility to ensure the before final inspection -- Owner/Contractor is responsibile for meeting the prescriptive requirments of IRC chapter 11 unless a HER Index Analysis for Performance Compliance based on the plans is submitted to the AHJ for

Ground Snow Load: Wind Speed: Topography Effects: Seismic Design Category: Damage From Weather: Frost Line Depth: Winter Design Temperature: 6 F Ice Barrier Underlayment: Yes Flood Hazard: Air Freezing Index: Mean Annual Temperature: 55.5 F

- Whole House Mechanical Ventilation System is required for any dwelling with air infiltration at a rate of less than 5 air changes per hour (at ACH50 standard R303.4).
- 2. Carbon monoxide detectors required (R315) 3. Steel columns shall be minimum schedule 40
- 4. Deck Ledger attachment to house shall be per Tables 507.9.1.3.
- 5. New provisions for attachment of rafters, trusses and roof beams. (R802.3 and
- 6. Programmable thermostat required

- 7. Air handlers shall be rated for Maximum 2% air leakage rate (N1103.2.2.1)
- 8. Building cavities used as return air plenums shall be sealed to prevent leakage across the thermal envelope. (N1103.2.3) 9. Certain hot water pipes shall be insulated
- (N1103.4) 10. All exhaust fans shall terminate to the building exterior (M1507.2)
- 11. Makeup air system required for kitchen exhaust hoods that exceed 400 CFM M1503.4 12. Building cavities in a thermal envelope wall (including the wall between the house and garage) shall not be used as return air
- plenums (unless the required insulation and air barrier are maintained) (M1601.1.1,#7.5) 13. An air handling system shall not serve both the living space and the garage (M1601.6) 14. A concrete-Encased grounding electrode
- ('UFER' Ground) connection complies with the requirments of the 2018 IRC Section E3608.1.2 in providing a connection with no less than the required minimum of steel. 15. Compliance with the requirments and show
- connection as needed for roof beam, trus, rafter, and girder connections for uplift per IRC 16. Garage Door Rating: DASMA 115 MPH Rated
- 2018 IRC BUILDING CODE COMPLIANCE THESE DRAWINGS HAVE BEEN PREPARED WITH RESPECT TO COMPLIANCE OF THE 2018 IRC AND NEC 2017 ANY REFERENCES FOUND NOT CORRECTLY IDENTIFIED TO THESE CODES SHALL BE BROUGHT TO THE ATTENTION OF SSIONAL THE DESIGN PROFESSIONAL

	Area - W/ Exte	ended pantry
	Name	Area
	Basement Finished	766 SF
	Patio 152 SF Living Area	1401 SF
	12 SF for Dining Buffet	12 SF
	Dining Buffet	2180 SF
	Basement Unfinished	399 SF
Basement Finished	Deck	152 SF
766 SF	Living Area Front Porch	24 SF
	1401 SF Garage	761 SF
	Patio	152 SF
		1336 SF
Basement Unfinished 399 SF Unexcavated	Garage 761 SF	
Basement Unfinished 236 SF	Front Porch 24 SF	

Sheet List		
Sheet No	Sheet Name	1
0	Cover Sheet	A101
101	Front Elevations	_
102	Front Elevations	
103	Front Elevations	1
301	Side Elevations - Full Basement	\A101/
302	Side Elevations - Daylight Basement	
303	Side Elevations - Walkout Basement	
401	Side Elevations - Full Basement	
402	Side Elevations - Daylight Basement	\A101/
501	Floor Plan - Main Level	
502	Floor Plan - Main Level	
503	Floor Plan - Main Level	1
601	Roof Plan	A101
602	Roof Plan	
701	POD Options	
702	POD Options	
703	POD Options	
704	POD Options	A
705	Floor Plan - Basement	
706	Front Elevations	
707	Floor Plan - Basement	
708	Side Elevations - Full Basement	
709	Roof Plan	
710	Floor Plan - Basement	
711	Side Elevations - Full Basement	
712	Roof Plan	
714	POD Options	
715	Front Elevations	
716	Cover Sheet	
801	Details	
802	Details	

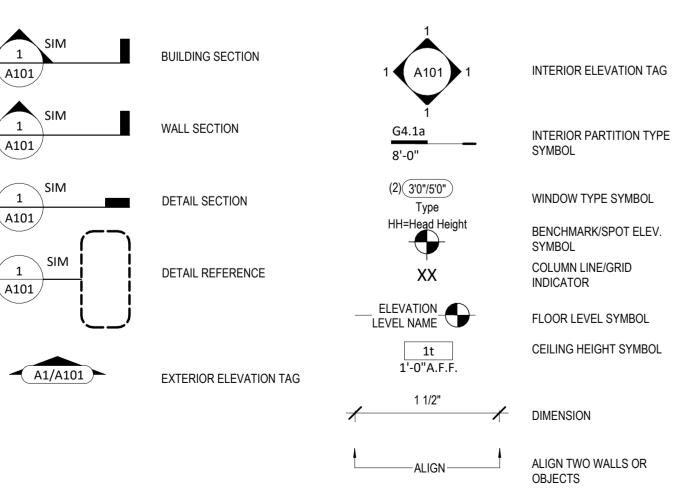
E101 RCP/Electrical Plan

P101 RCP/Electrical Plan

E102 RCP/Electrical Plan - Structural Option

M102 Floor Plan - Structural POD Options 24" Extension HVAC

Lot 34 Hook Farms



Greystone - Masterplan

Address: 2622 SW Farm Field Road, Lee's Summit, MO.

3. Roof type changed to Farmhouse 4. The Daylight well option has been removed. 5. Extended Rec room has been changed to a smaller Rec room finish and a larger storage with expanded mech room under pantry. 6. The Primary bath option has been changed to STR010. 7. The bedroom #4 in Basement has been removed. 8. MEP option references have been updated accordingly. 1. Changed label for basement bedroom from Bedroom #4 to Bedroom #3

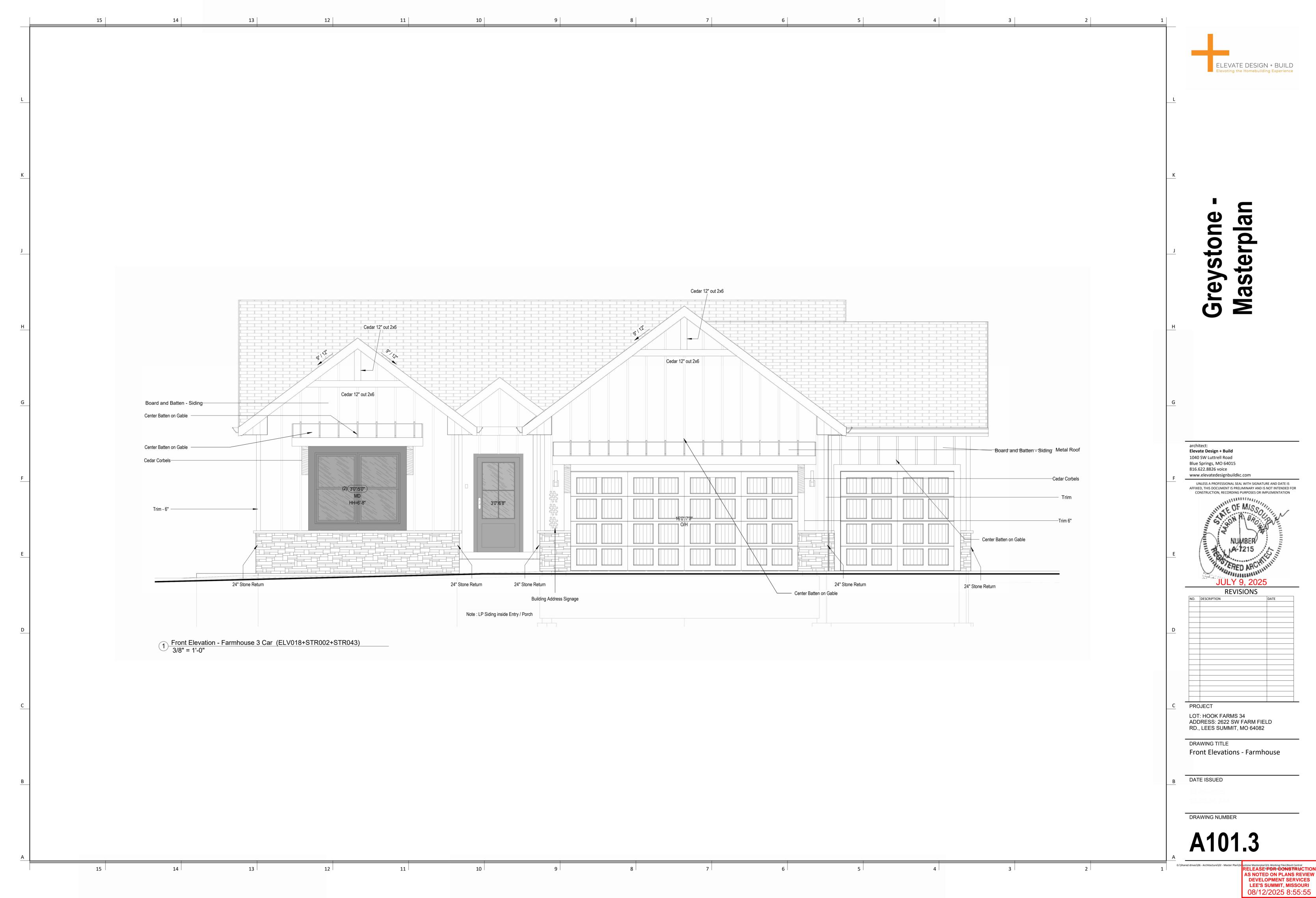
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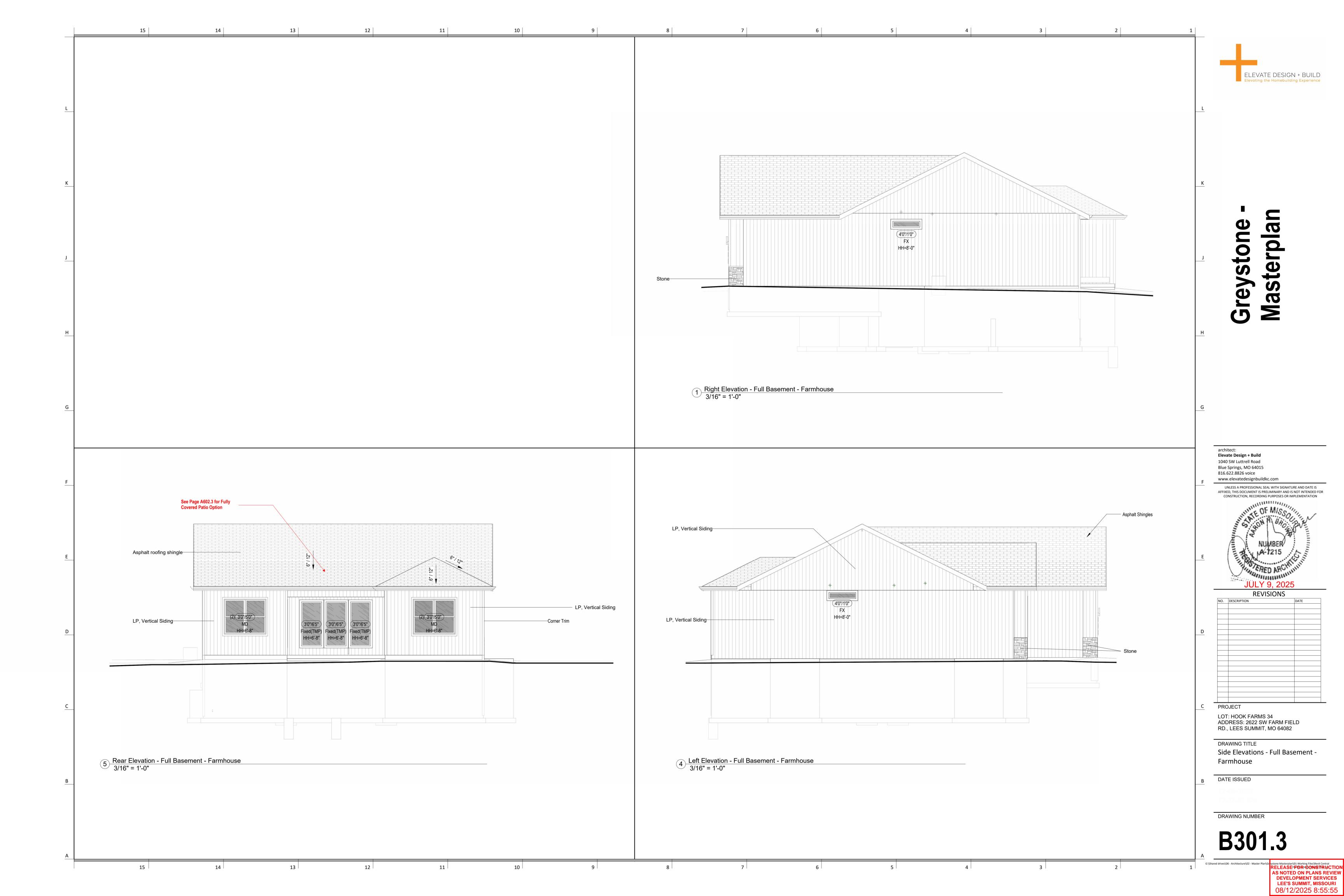
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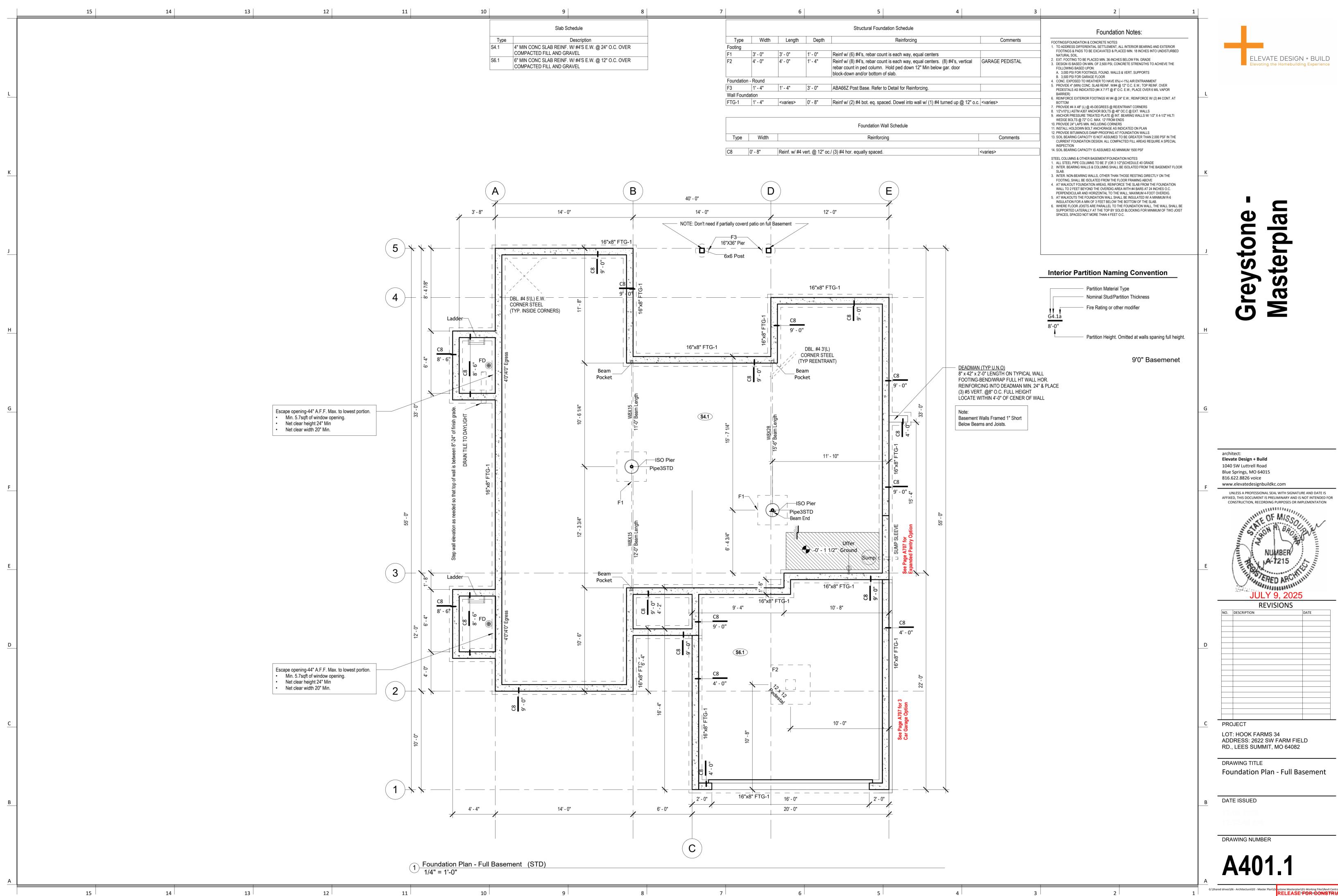
REVISIONS

Permit Set

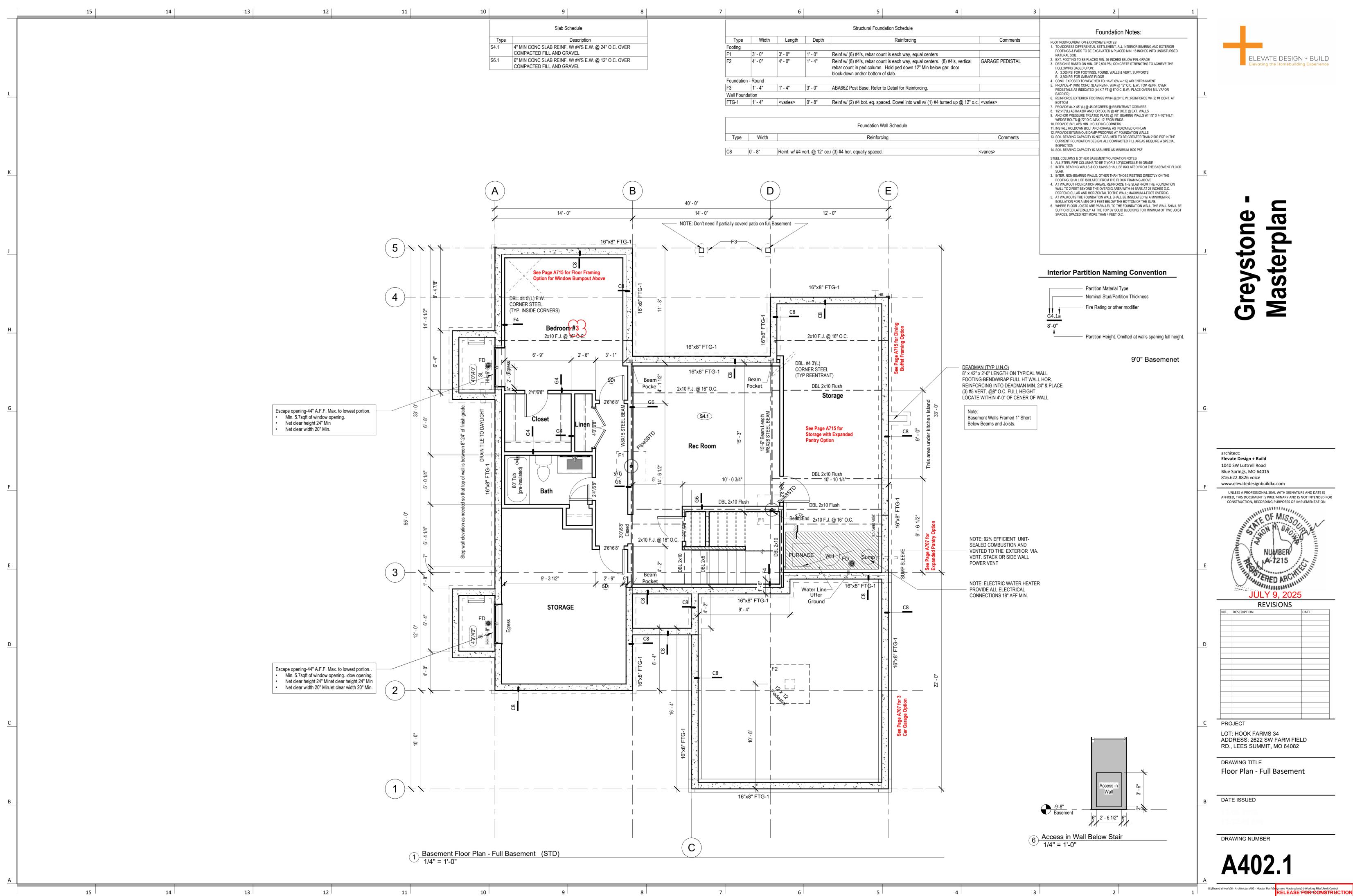
PLAN DESCRIPTION: Cover Sheet



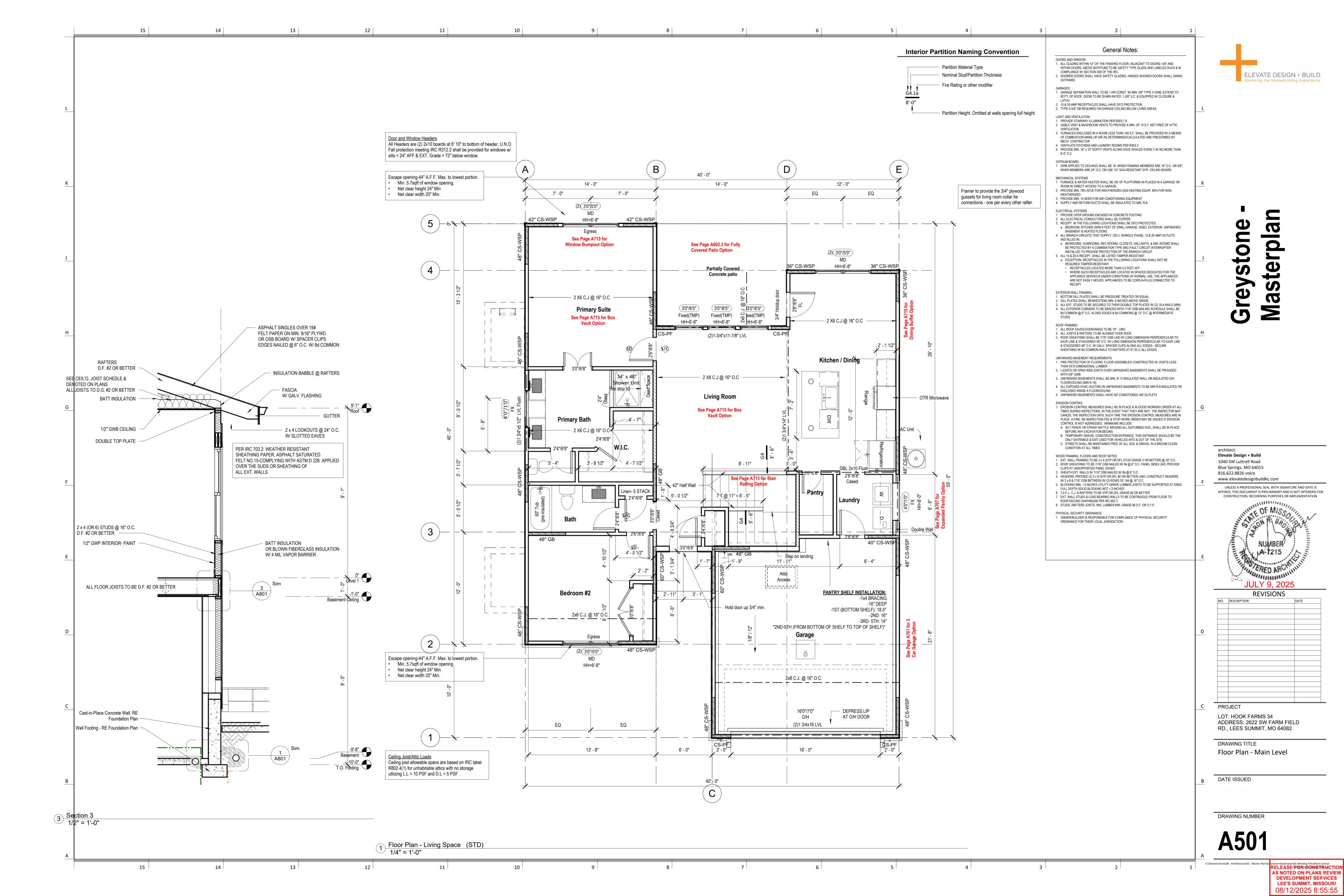


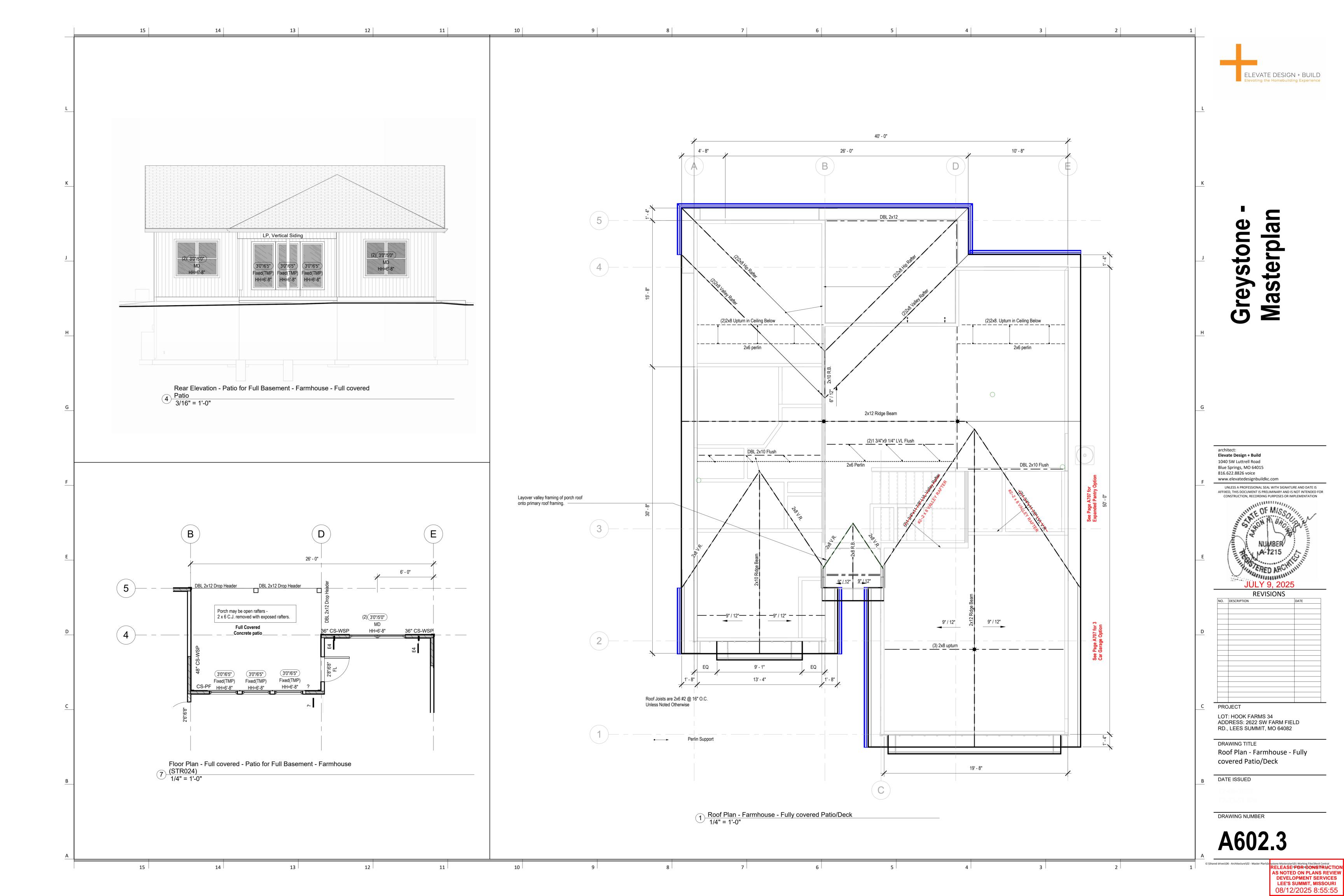


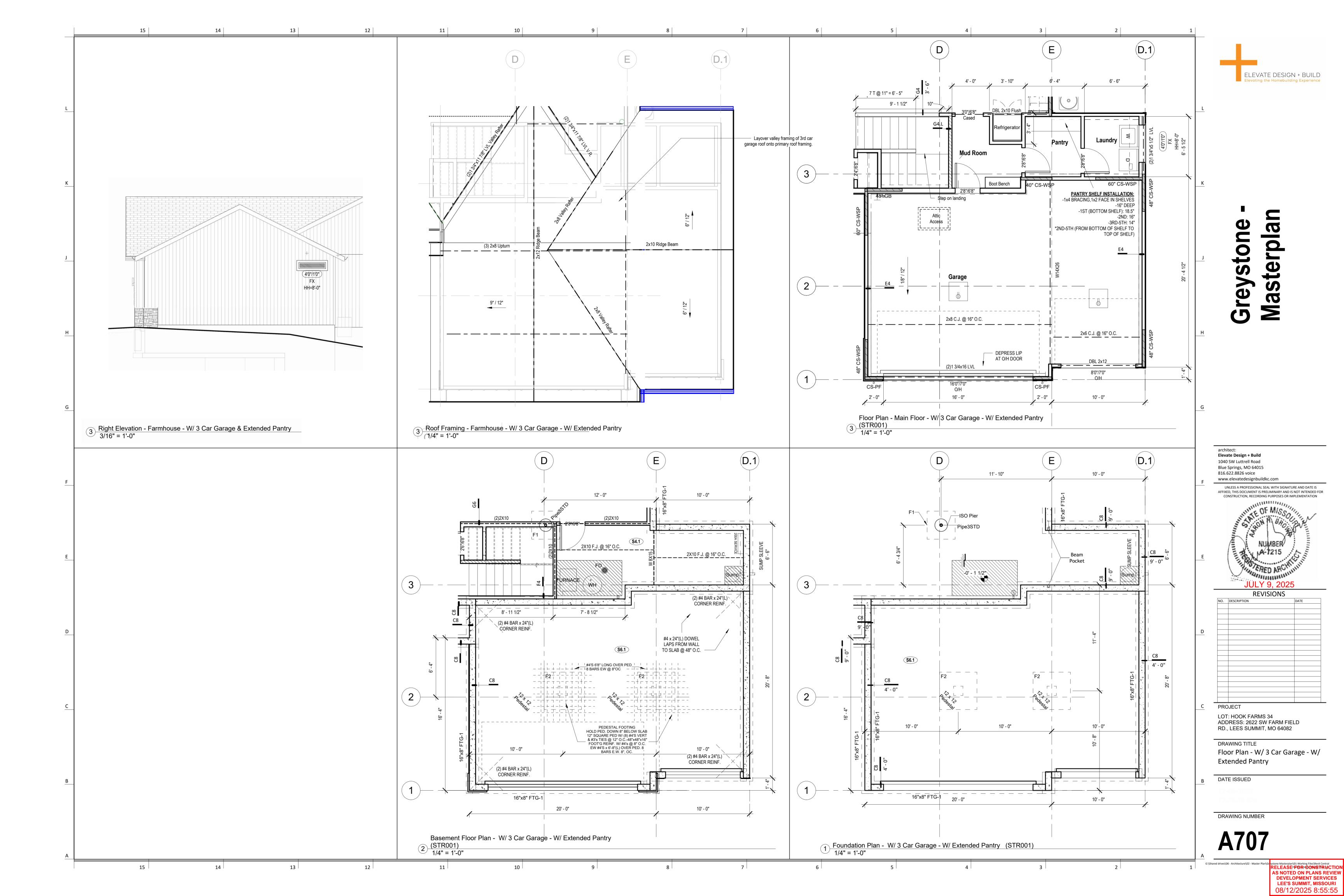
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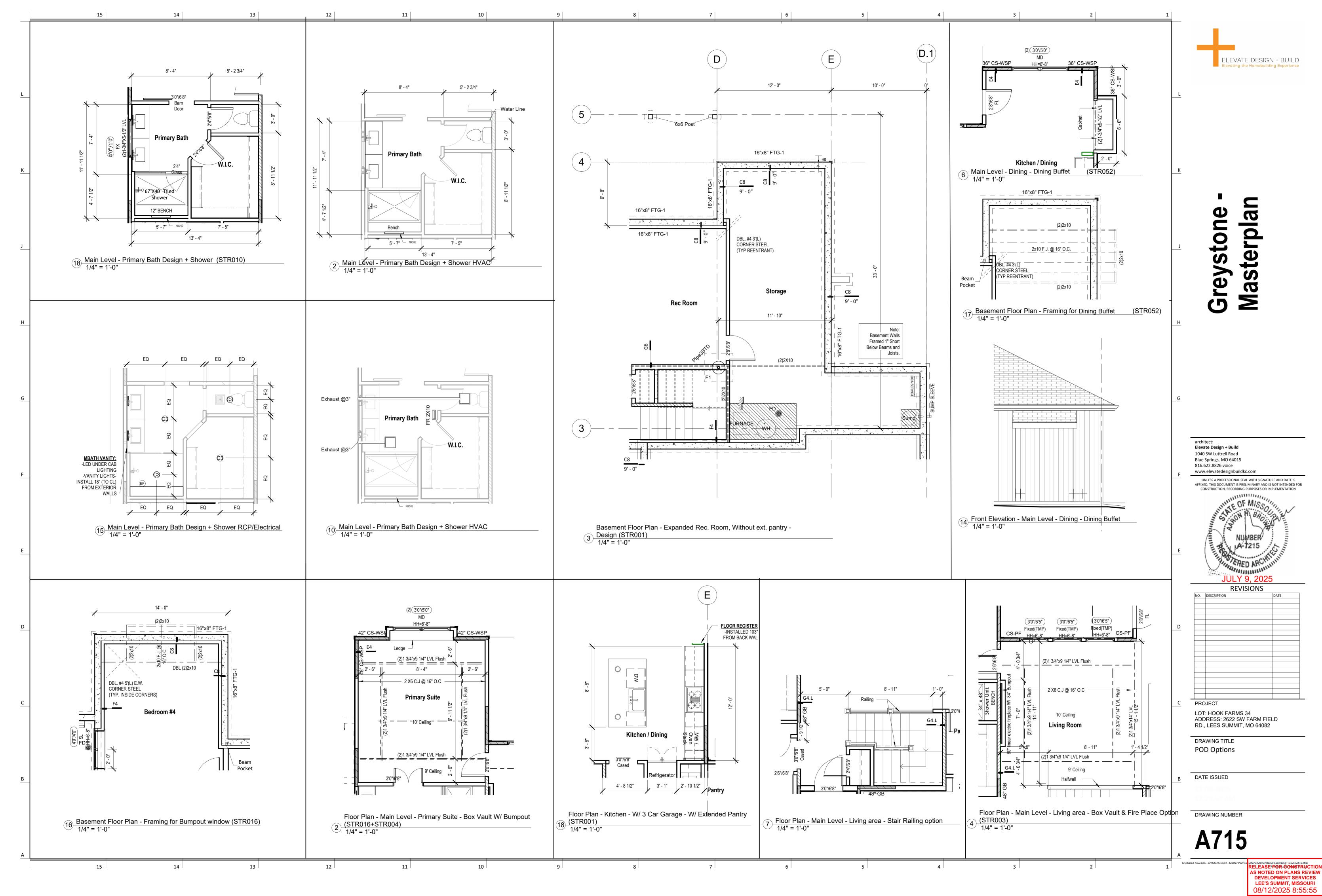


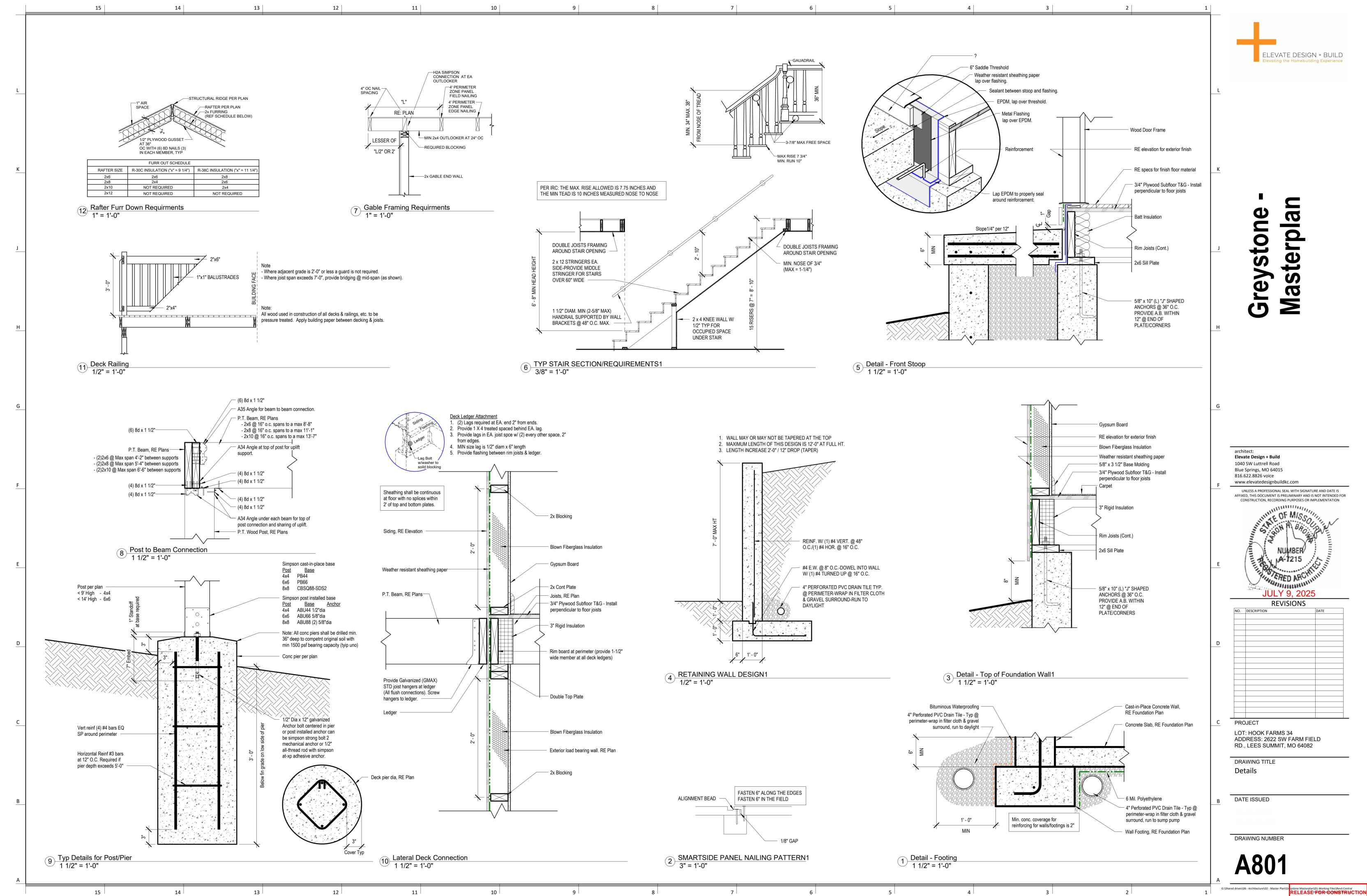
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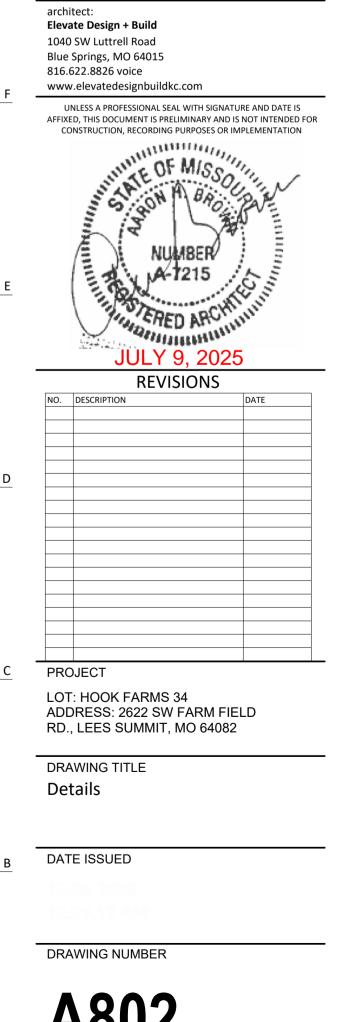


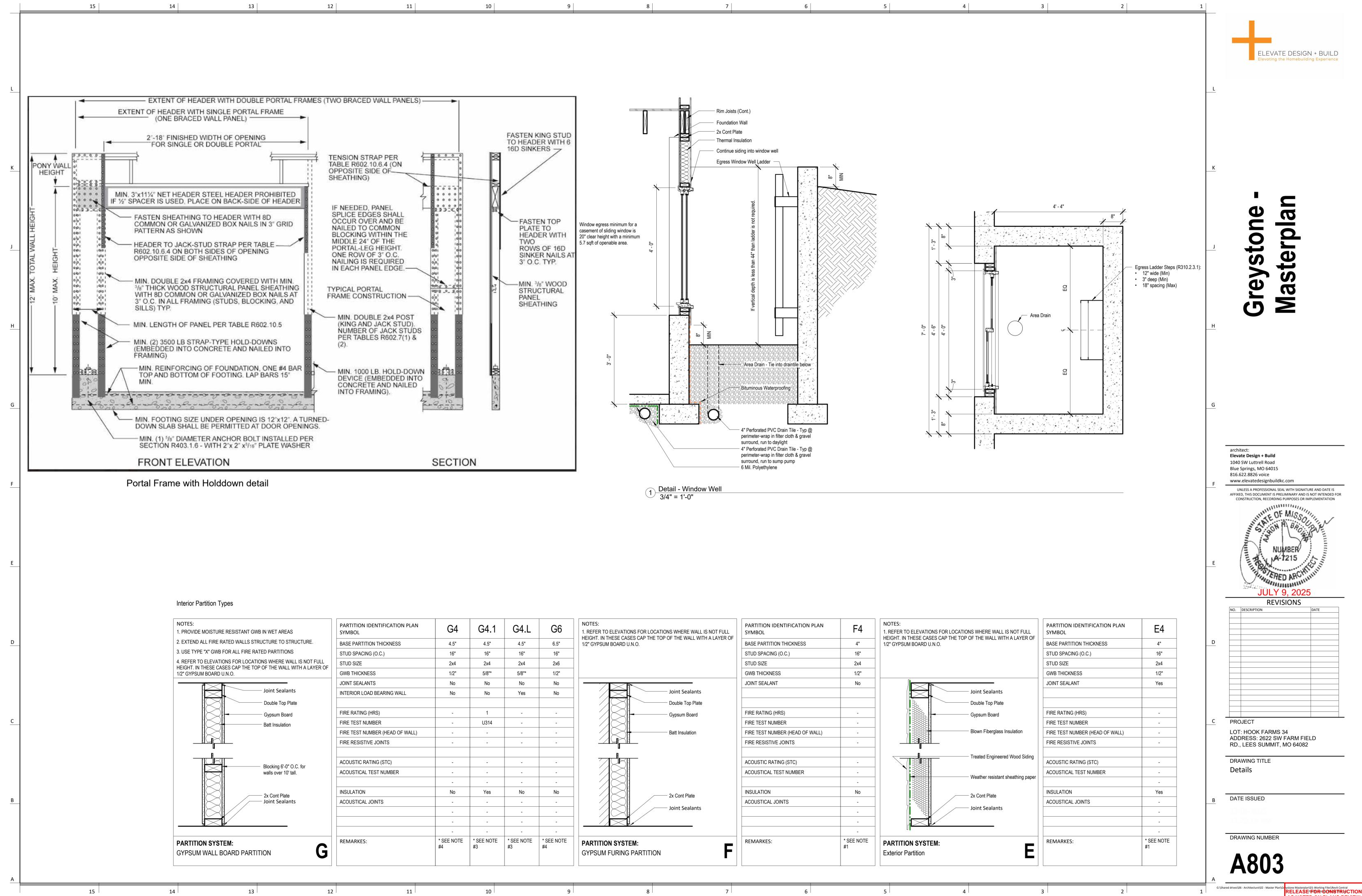




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ELEVATE DESIGN + BUILD





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