FREE GREEN T www.FreeGreen.com 348 MEDFORD ST. SUITE 1 CHARLESTOWN, MA 02129 © COPYRIGHT BY FREEGREEN INC. ALL RIGHTS RESERVED. BUILDER: ADDRESS: ENGINEER: **RESIDENCE FOR:** SITE ADDRESS: ADDRESS: PHONE: PHONE: PHONE: E-MAIL: E-MAIL: E-MAIL: 0 SALE IN





CLIMATIC AND GEO

GROUND SNOW	WIND SPEED	SEISMIC DESIGN		SUBJECT
LOAD (LB)	(MPH)	CATEGORY	WEATHERING	FROST DEPT

BUILDING CODE COMPLIANC

- Attention CA, OR, WA, and NV residents: Our house plans do not meet Earthquake Seis code requirements.

- Attention GA, SC, and NC Coastal residents: Plans may have to be engineered to meet Hurricane/Wind codes. - Attention AL, AZ, CO, CT, DE, FL, ID, LA, MD, MA, MN, NV, NH, NJ, NY, OH, PN, UT, residents: Plans may have to be engineered to meet local building codes. Please call you building department before placing order.

Some cities and states now require that a licensed architect or engineer review and "seal" or officially approve it, prior to construction. Prior to application for a building permit or the actual construction, we strongly advise that you consult your local building official who can such a review is required.

ARCHITECTURAL

A-00-0 PRODUCT SPECIFIC A-00-1 GENERAL NOTES A-00-2 LEED-H RATING SY A-00-3 NAHB GREEN BUILD A-01-1 ELEVATIONS FRON A-01-2 ELEVATIONS RIGH A-01-3 ELEVATION REAR A-01-4 ELEVATION LEFT A-02-1 ENTRY LEVEL FLOC A-02-2 UPPER LEVEL FLOO A-03-1 BUILDING SECTION A-04-1 DETAILS 1 A-04-2 DETAILS 2 A-04-3 DETAILS 3 A-04-4 DETAILS 4 A-05-1 FOUNDATION PLAN A-05-2 ENTRY LEVEL FLOC A-05-3 UPPER LEVEL FLOO A-05-4 ATTIC FLOOR FRAM A-05-5 ROOF FRAMING PL A-06-1 WINDOW SHADING

ELECTRICAL

E-01-1 SUB LEVEL ELECTR E-01-2 ENTRY LEVEL ELEC E-01-3 UPPER LEVEL ELEC

OGRA	APHIC D	ESIGN	CRITEF	NA 1		F	REE GREEN	
BJECT TO E	DAMAGE FROM		WINTER DESIGN	ICE SHIELD UNDERLAY	FLOOD		FreeGreen.com	
Rost Line Depth	TERMITE	DECAY	TEMP	REQUIRED	HAZARD	CHARL	PFORD ST. SUITE T ESTOWN, MA 02129 YRIGHT BY FREEGREEN INC. ALL RIGHTS	RESERVED.
							THE CLIMATIC AND GEOGRAPHIC DESIGN VARY BY REGION FOR ANY PROJECT. FC FREEGREEN INC. CANNOT COMPLETE TH KNOW WHERE THE PROJECT SITE IS LOC HAVE A SITE LOCATION, PLEASE INQUIRE SERVICES AT <u>Design@FreeGreen.com</u>	NR THIS REASON, IIS TABLE UNTIL WE ATED. ONCE YOU
ЭE		HOL	JSE ARI	EAS				
smic/Wind local and VA our local a blueprint, e start of n tell you if	CRAWL SPA SUB LEY ENTRY LEY UPPER LEY TO	VEL: - VEL: 1862 SF VEL: 2417 SF TAL: 4279 SF VE AREA CALCULA		JN-CONDIT GARAGE: 5 BASEMENT: 16 ATTIC: 15 DECK/PATIO: 2 TOTAL: 40 ON THE METHOD LA	77 SF 13 SF 69 SF 56 SF 15 SF			
	ONS I CHECH STANDA							
or pl or pl Is						REVISI No.	ON SCHEDULE: Description	Date
-								
CTRIC	PLAN AL PLAI AL PLA						CVR	

	1. BUILDING MATERIALS		2. DOORS & WINDOWS		3. HVAC
1-1	F.D. STERRITT LUMBER CO.	2-1	Simpson	3-1	
LUMBER	Sterritt Lumber Co. Sterritt Lumber is a family owned and operated lumber yard serving the Great Boston Area and New England. Founded in 1841, Sterritt lumber has developed into a full service lumber yard, serving homeowners, building, and architects and offering a wide range of products.	ENTRY DOOR	ANY DOOR. ANY SPECIES.	BATHROOM FAN	
1-2		2-2		3-2	
SHEATHING		GARAGE DOOR		CENTRAL AC	
1-3		2-3		3-3	
ENGINEERED WOOD		STEEL DOOR		FURNACE	
1-4		2-4		3-4	
HARDWARE		INTERIOR DOOR		HRV	
1-5		2-5		3-5	-
ROOFING		SPECIALTY DOOR		THERMOSTAT	
1-6		2-6	SCHLAGE	3-6	
SIDING & TRIM		DOOR HARDWARE	Residential Security Products For over 85 years Schlage has provided homeowners with innovative quality security products. Today, Schlage offers home security solutions from a wide selection of mechanical and electronic security locks and accessories in touch with modern lifestyles.	WATER HEATER	
1-7	ŵ	2-7		3-7	
INSULATION	Spray Polyerethene Foam Insulation Upper Stray of insulation products are designed to let you have greater control over the indoor environment and are suitable for are suitable for steel- or wood- framed residential or commercial construction.	SWODNIW		BOILER	
1-8	BENJAMIN OBDYKE	2-8		3-8	WaterFunce
WATER PROTECTION	Home Slicker® Plus Typar® Home Slicker® Plus Typar® is a cost-effective, labor and material saving, moisture eliminating rainscreen combined with a water resistive barrier.	WINDOW SHADING		HEAT PUMP	Smarter from the Ground L Geothermal Heating WaterFurnace manu geothermal systems else in the business. of residential geothe dealers and installers trained in the industr
1-9		2-9		3-9	WARMLY MAKING COMPOR
DECKING	BLUE Tropical Hardwood Deck Products Offers over 50 individual items for decks, porches and interior/exterior trim. Blue Star products exceed all recognized industry standards for strength, durability, pest and rot resistance.	SKY LIGHTS		RADIANT FLOORING	A warm welcome ev makes comfort easy premium home heating at competitive prices are available.
1-10		2-10 S		3-10 岁	
STONE		BASEMENT WINDOWS		FIREPLACE OR STOVE	



S		7. AF	PLIANCES		
	7-1	(ge)	GE Appliances imagination at work	FREE GREEN	
	ASHEF		GE - 4.0 Cu. Ft. 26-Cycle King-Size Washer		
	IM SF		This washer features HydroMotion technology that gently removes soils from garments to	www.FreeGreen.com 348 MEDFORD ST. SUITE 1	
	CLOTHS WASHER		limit the wear and tear on your clothes. T he HydroHeater feature increases the wash temperatures to reduce bacteria for a	CHARLESTOWN, MA 02129 © COPYRIGHT BY FREEGREEN INC. ALL RIGHTS	RESERVED.
	7-2	6.0	thorough clean.	NOTES: OTHER KOHLER PRODUCTS IN THIS DESIGN:	
	œ	36)	GE Appliances imagination at work	KITCHEN:	
	CLOTHS DRYER		<u>GE - 7.0 Cu. Ft. Super Capacity Gas Dryer</u> This front-load gas dryer features a stylish	 Vinatta small Faucet 7.5 Undertone Small Sink HiRise™ wall-mount kitchen pot filler 	K-691-BN K-3164
	OTHS		round door to add a contemporary touch to your laundry room. It is equipped with dual	BAR:	K-7322-4-BS
	CL		thermistors and Sensor Dry Plus technology to maintain a consistent amount of heat for thorough drying.	- Wellspring® beverage faucet	K-6666-CP
	7-3	ege,	GE Appliances	POWDER ROOM: - Cimarron® pedestal lavatory with 8" centers	K-2362-8-0
		00	imagination at work Monogram® 48"Professional Gas Cooktop	- Archer Lavatory Faucet with lever handles MASTER BATH:	K-11076-4-CP
	СТОР		Authentic Professional appearance with	- Bancroft® undercounter lavatory	K-2319-0
	сооктор		premium-grade, 304 stainless steel with smoothly finished edges and large electronic control knobs. Sealed, dual-flame stacked	 Purist® wall-mount non-diverter bath spout, 35 D Purist® bath-, wall-mount high-flow bath valve trim Purist faucet with cross handles 	K-14426-CP K-T14429-3-CP K-14406-3-CP
			burners deliver a full spectrum of heat settings, from an ultra-low 140° F simmer to an intense 18,000 BTUs	- Purist Cross Valves x3 - Purist Thermostatic Valve Trim	K-T14490-3-CP K-T14488-3-CP
	7-4			- WaterTile® 54-nozzle bodyspray - Purist Handheld - Stillness® adjustable wall-mount bracket	K-8002-CP K-978-CP K-975-CP
		(36)	GE Appliances imagination at work	- Stillness® adjustable wall-mount bracket - Pinstripe Door, Right hand Open	K-975-CP K-705722-L-SHP
	EB		GE Profile Spacemaker Series	BATH 2	1/ 0000 6
	DISH WASHER		Fullly Integrated Dishwasher with 7 Wash Cycles Including SpeedWash/Air-Dry Cycles,	- Caxton® undercounter lavatory - Fairfax Widespread Lavatory Faucet - Fairfax Shower and Bath	K-2209-0 K-12265-4-CP K-T12007-4-CP
			Delay Start, Stainless Steel Tub, Electronic Controls and ADA Compliant: Requires	LAUNDRY ROOM:	Λ T I∠UUI "4"UΓ
			Custom Panel and Handle.	- Sterling by Kohler Utility Sink - Forté® single-control kitchen sink faucet	995-U-0 K-10416-G
	7-5			- เ งกอษ อกฎเอ-งงานงา หนังเยก รทาห เล่นขยะ	N-10 - 01
	u u				
	MICROWAVE				
	ICRO				
	Σ				
	7-6				
		(36)	GE Appliances imagination at work		
	ATOR		Monogram Built-In Side by Side Refrigerators		
	REFRIGERATOR		Monogram's Built-In Side by Side Refrigerators are available in widths of 36", 42" and 48". Models are available with or without exterior		
	REFRI		ice and water dispensers. Make a statement with a Monogram stainless steel model or		
			install custom door panels to seamlessly integrate the unit with your custom cabinetry.		
	7-7	925	GE Appliances		
			imagination at work		
utions	OVEN	90	MONOGRAM 30" Professional Electronic Convection DOUBLE OVEN		
of olutions,	WALL		The General Electric ZET2PMSS Stainless Steel Double Oven is a self-clean oven, with		
outions, out			a capacity of 4.4 cubic feet.		
	7-8				
	GE				
n utilizing	SLIDE IN RANGE				
PB n process	DE IN				
flexible industry	SLI				
	7-9	0.0	GE Appliances		
		66)	imagination at work		A 1
	QOO		<u>GE Monogram® 48" Stainless Steel</u> Professional Hood	NE COLONI	AL
	RANGE HOOD		1200 CFM Vertical Exhaust with Dual Blowers,		F
	RAN	- 5-5-	3 Halogen Lamps with 4 Lighting Levels, Infrared Warming Lamps, Utensil Racks and Removable Grease Trays	PRODUC	
				SPECIFICATI	
	7-10	in sink erator		PROJECT NUMBER: DATE:	10-002 Issue Date
	OSAL			DRAWN BY:	Author
	GARBAGE DISPOSAL	THE REPORT	Evolution Excel® The Evolution Excel® features the best of	CHECKED BY:	Checker
mes. se will	3AGE		InSinkErator's grinding and SoundSeal Plus™ noise-reduction technologies, handling more	A-00-0	
ng is et.	GARE		volume and more types of food waste while making 60% less noise than standard disposers	SCALE	
			disposers.		

GENERAL REQUIREMENTS:

1. Owner / Client Responsibilities: Reference is made throughout these General Notes to responsibilities and standards of care to be fulfilled by those providing services in the development and construction of this project. Owner / Client shall be responsible for adherence to those requirements by the Owner, Builder, Developer, General Contractor, Subcontractors and other professional Consultants not retained by the Designer.

- 2. Builder's Set: The scope of this set of plans is to provide a "builder's set" of construction documents and general notes hereinafter referred to as "plans". After formal review and approval by a licensed engineer and or architect, this set of plans is sufficient to obtain a building permit; however, all materials and methods of construction necessary to complete the project are not necessarily described. The plans delineate and describe only locations, dimensions, types of materials and general methods of assembling or fastening. The FreeGreen Specification book received with this plan set specifies the particular products or materials recommended for this home design. The implementation of these plans requires an Owner/ Client/ Contractor thoroughly knowledgeable with the applicable building codes and methods of construction specific to this product type and type of construction.
- Building Maintenance: The exposed materials used in the construction of this project will deteriorate as the completed project ages unless properly and routinely maintained. Owner / Client shall provide or cause the development of a plan to keep these exposed materials protected and maintained.
- Codes: All construction shall comply with the most stringent requirements of all current applicable city, county, state and federal laws, rules, codes, ordinances and regulations. If the General Contractor or any Subcontractor performs any work in conflict with the above mentioned laws, rules, codes, ordinances and regulations, then the contractor in violation shall bear all costs of repair arising out of the non - conforming work.
- Permits: The general building permit and plan check shall be secured and paid for by Owner 5. /Client. All others permits shall be secured and paid for by the Subcontractor directly responsible.
- Insurance: The General Contractor and every Subcontractor performing work or providing services and/ or materials for the work are required to purchase and maintain in force "All Risk" Builders Insurance prior to commencement of the work and/ or furnishing labor, services and materials. Each "All Risk" policy shall be in an amount sufficient to cover the replacement value of the work being performed and/ or the labor, services and materials being supplied by the General Contractor, Subcontractors, Designer, and all professional Consultants.
- Insurance: Owner/ Client shall cause the General Contractor and every Subcontractor performing work or providing services and / or materials for the work to purchase and maintain General Liability Insurance.
- Named Products: The Designer makes no guarantee for products identified by trade name or manufacturer.
- Scope: The General Contractor and Subcontractors shall furnish all labor, equipment, and material 9 indicated on the plans and reasonably inferred or required by the applicable codes.
- Substitution: Substitutions of specific materials or products listed on the FreeGreen Specification 10. Sheet shall not be made without written authorization by Owner/ Client. The General Contractor and any Subcontractor shall not make the structural substitutions or changes without prior written authorization from the structural engineer.
- 11. Changes: Any addition, deletion, or change in the scope of the work described by the plans shall be by written change order only. Any approval from the building official for a change in the work shall be the responsibility of the General Contractor.
- 12. Intention: The General Contractor shall ensure that all labor, materials, equipment and transportation shall be included in the work for complete execution of the project. The Designer shall not be responsible for the means and methods of construction.
- 13. Review of Drawings: The General Contractor and all Subcontractors shall review the full content of the plans for discrepancies and omissions prior to commencement of work. The General Contractor and all Subcontractors shall be responsible for any work not in conformance with the plans or in conflict with any code.
- 14. Use of the Drawings: Dimensions take precedence over scaled measurements. Details and sections on the drawings are shown at specific locations and are intended to show general requirements throughout. Details noted "typical" imply all like conditions treated similarly, unless noted otherwise. The architectural details shown are intended to further illustrate the visual design concept and the minimum recommended weather protection for this project. Building code requirements, structural considerations, trade association manuals and publications and product manufacturer's written instructions shall also be considered in order to complete the construction of the details, and in some cases may supercede the details.
- 15. Approved Drawings: The General Contractor shall be responsible for coordinating the work between the different Subcontractors and requiring all Subcontractors to use the most current building department approved set of plans.
- 16. Cutting and Patching: All Subcontractors shall do their own cutting, fitting, patching, etc. to make the several parts come together properly and fit it to receive the work of other trades.
- 17. Clean up: All trades shall, at all times, keep the premises free from accumulation of waste materials or rubbish caused by their work. Subcontractors shall remove all rubbish, tools, scaffolding and surplus materials and leave the job in a broom - clean condition. All fixtures, equipment, glazing, floors, etc., shall be left clean and ready for occupancy upon completion of the project.
- Storage of Materials: The General Contractor and Subcontractors shall be responsible for storing 18. the materials on the site according to material suppliers' or manufacturers' instructions. The materials shall be kept secure and protected from moisture, pests, and vandals. Any loss arising out of materials stored at the site shall be the responsibility of the General Contractor or Subcontractor who stored the damaged or lost materials.

ROUGH CARPENTRY:

1. Framing:	
A.	Blocking and Bridging:
	(1) Stud Walls: Per applicable buildi
	studs from bottom to top plate.
	(2) Ceiling Joists: Per applicable bui
	(3) Backing: Provide solid backing a
_	fixtures, rails, grab bars, bath ac
B.	Fire stopping: Per applicable building coo
C.	Stud Walls: Per applicable building code
D	to be at 16" O.C. unless noted otherwise
D.	Use continuous, full height studs in accord
E.	and framing practices. All angled walls to be at 45 degrees unle
F.	Built up roofs, waterproof balcony decks
1.	with slope to ensure water drainage with
G.	Provide crickets as indicated and as nece
0.	channeled or run off water away from ve
H.	Provide blocking where required to provi
	are different depths.
I.	Use mitered joints at fascia splices.
J.	Unless otherwise noted, all dimensions to
	face of rough framing. All dimensions to
	rough framing.
Κ.	Align bottom of all adjacent window and
	plan.
2. Trusses:	
А.	The General Contractor shall have City/
	to foundation inspection. The Truss Man
	drawings, details, bridging and erection b
B.	Building Department and Structural Engil Truss manufactures shall provide member
D.	insure against over - stressing of support
	provide bearing plates and details to do
C.	The General Contractor shall coordinate
0.	Plumbing and Mechanical Contractors at
	protection without penetrations unless al

FINISH CARPENTRY:

1. Scope:	
А.	Furnish and install all finish carpentry co
В.	shelving. Installation of finish hardware, bath acce
2. Workmansh	
Z. WORMANS	All joints shall be tight and true and secu
~ .	butted, or coped, with nails set and surfa
B.	Wood work shall be accurately scribed t
C.	All work shall be machined or hand sand
0.	completely prepared for finish.
D.	Full length continuous boards shall be u
	Hanging Doors:
A.	Each door shall be accurately cut, trimm
	hardware with due allowance for painter
В.	Clearance at the lock and hanging stiles
	at the bottom shall be adjusted for finish
C.	Lock stile edges shall be beveled.
D.	Door shall operate freely, but not loosely
	conditions, and with all hardware proper
4. Materials:	
А.	Door frames: Frames shall be set plumb
	the course of construction.
В.	Door Stops and Casing: Size and profile
C.	Exterior Trim: Refer to drawings for exte
	dencity overlay (MDO) or fiber cement, a
	painted. If specific product brand is spe
_	specifications and installation instruction
D.	Interior Trim:
	(1) Interior Rails: Clear material, fin
	(2) Window Trim: 1x clear wood to
	(3) with Owner/Client).(3) Base Boards: As noted in draw
	(3) Base Boards: As noted in draw

INSULATION:

1. Installation:	
A.	Thermal Insulation: Install insulation betw including any vertical wall areas separatin between studs at all exterior walls. Insulat without compressing the normal Loft thick required to prevent obstruction of vents.
В.	Sound insulation: Install insulation betwee indicated on drawings.
C.	Plumbing insulation: All domestic hot wate shall be properly installed on all piping elb
D.	The General Contractor and Subcontractor on the site according to material supplier's shall be kept secure and protected from n
2. Materials:	
A.	At a minimum, all insulation specified for t requirements listed in Chapter 4 of the 20 also the Grade II specifications set by the
В.	A pre-drywall thermal bypass inspection n

ding code. Full height walls shall have continuous

- uilding code. Use solid bridging. at all pendant or surface - mounted electrical ccessories, etc.
- e. All studs to have full bearing on plate. All studs e. Studs to be sized per requirements of code. ordance with the highest standard of construction
- less noted otherwise
- and exterior horizontal areas are to be framed thout ponding. cessary for proper water drainage and to redirect
- ertical surfaces. vide uniform surface where flush joists and beams
- to exterior walls are given from inside or outside o interior partitions are given from centerline of
- door headers, unless noted otherwise on framing
- County approved truss plans on the job site prior nufacturer shall submit calculations, shop h bracing signed by a registered Engineer to the
- gineer, for their review prior to fabrication. pers of adequate bearing area in such a width to rting timber, multiple joists, girders and plates or
- o same. with the Truss Manufacturer, Framing, Electrical,
- at fire protected areas to maintain required fire protection without penetrations unless allowed by code and local jurisdiction.
 - complete, including trim, door frames, paneling and
 - essories, cabinet pulls, etc.
 - curely fastened. Corners shall be neatly mitered, faces free of tool marks.
 - to fit adjoining surfaces. nded, sharp edges and splinters removed, and
 - used wherever applicable or specifically noted.
 - med, and fitted to its respective frame and er's finishes.
 - s and at the top shall not exceed 1/8". Clearance h floor covering.
 - ly, without sticking or binding, without hinge bound erly adjusted and functioning.
 - b and true, rigidly secured, and protected during
 - le as selected by Owner/ Client. erior trim material & sizes. For wood, medium all cut sides/faces/edges must be primed and ecified on drawings, see manufacturers
 - nished to match casework.
 - o match casework or as noted in drawings (verify
 - wings or approved by Owner/Client.
 - veen joists, below all roof surfaces, and areas ng living spaces from unconditioned space and ation shall be securely installed and tightly fitted kness. Provide insulation stops/ baffles as
 - een studs, securely and tightly fitted at walls as
 - ter piping shall have R-4 insulation. Insulation lbows to adequately insulate the 90 degree bend. tors shall be responsible for storing the materials er's or manufacturers' instructions. The materials moisture.
 - this house meets or exceeds the R-value 004 International Energy Conservation Code and e National Home Energy Rating Standards. must be performed by a qualified rater.

THERMAL & MOISTURE PROTECTION:

	Faundationa		1 Cooner
١.	Foundations:		1. Scope:
	A.	Provide adequate drainage away from walls & foundations.	А.
	В. С.	Seal all plumbing, electrical and other penetrations of walls and floors and seal joints.	
	D.	Slope final grade away from foundation. Provide capillary break at all concrete slabs (poly not req. if <20" rainfall; gravel not req.	
	D.	for free draining soils = IRC Group 1.	
	E.	Exterior surface of below grade walls damp proofed or water proofed.	
	F.	Slope garage floor towards main vehicle entry.	
	G.	Foundation cont. footing drain with stone covered with filter fabric, drained to daylight.	
	H.	Basement foundation walls use porous backfill material.	B.
	I.	Provide cont. crushed stone under footings.	D.
	ı. J.	Provide rigid insulation as specified directly under slab.	
)	Walls:	Trovide rigid insulation as specified directly under slab.	2. Installation:
	A.	Install windows, doors, exterior cladding, flashings & sealants as detailed in this	A.
	Α.	drawing set.	Λ.
	B.	All deck ledgers must be pressure treated material.	B.
	Б. С.	All penetrations that pass through exterior cladding into structure must be fully sealed.	D.
	0. D.	Install materials with proper detailing to control degradation from moisture.	C.
z	Roofs:		D.
J.	A.	Ice flashing over sheathing at eaves (except climates CZ1-4).	D.
	В.	Metal drip edge at all exposed roof decking.	
	C.	Bituminous membrane at all eaves, valleys & penetrations (not req. if <20" rainfall).	
	D.	Step flashing at all roof/wall intersections & terminated with "kickout" flashing.	
	E.	Installed system for diverting roof water from house. (e.g. gutters).	E.
	F.	No. 30 roof felt underlayment minimum.	L.
	G.	Reduce ice dams: No non-airtight recessed light fixtures in insulated ceilings.	
	H.	Roof insulation as specified in this drawing set.	
1	Wet Rooms:		F.
••	A.	Install drains or drain pans to capture leaks under water heaters or use tankless	
	74.	water heaters.	
	B.	Properly install washer and water heater drain pans.	G.
	C.	Use highly durable materials in wet areas.	H.
	D.	Install no carpet in kitchens, bathrooms, spa areas, or within 3" of exterior door.	
	E.	Use nonpaper-faced backer board on walls in tub, shower and spa areas.	
5.	Air Infiltration		
	Α.	Install "IC" airtight rated recessed lights in insulated ceilings.	I.
	B.	Complete air barrier between attic and conditioned space & all penetrations sealed.	J.
	C.	Air filter housings must be airtight to prevent bypass or leakage.	
	D.	Air seal ventilation ductwork.	
3.	Interstitial Co	ondensation:	К.
	Α.	Clothes dryers vented outdoors.	
	В.	Insulate all cold water pipes and avoid plumbing in exterior walls.	
	C.	>1 Perm finish on inside of exterior walls.	L.
		(only req. in hot/humid & mixed/humid climates)	
7.	Heat Loss:		
	Α.	Insulate all ventilation exhaust ductwork (min R-8) outside of the insulated envelope.	
	В.	R-5 slab edge insulation break at foundation wall intersection & R-10 slab edge	_
		insulation outward of any walk-out slab edge.	PLUME
_	С.	Install insulation wind baffles at attic eave bays.	
•	- I III		

8. Ultraviolet Radiation: A. Install materials with proper detailing to control degradation from sun.

- 9. Other: Minimum 25-year expected lifetime roof warranty.
 - Define "proper refrigerant charge" to be within 10% of manufacturer recommendations.
 - Mechanical equipment must be accessible for service, including AC condensate drain pan & trap.
 - Use rigid duct or other methods to keep fan back-pressure below 0.2" for EOV systems. D

HEATING, VENTILATION & AIR CONDITIONING:

1 Coopor		C.
1.Scope: A.	Supply all labor, transportation, material, etc., for installation of a complete heating and air conditioning system to operate according to all applicable standards and best practices of the trade including, but not limited to: mechanical units, ducts, registers, catwalks, grilles,	2.Installation: A.
	boots, vent pipes, dampers, combustion air, fans, ventilators, refrigerant, etc. All materials, work, etc., to comply with all requirements of all legally constituted public authorities having jurisdiction including all county and state ordinances. Furnish and install all equipment complete and operable. Verify all material and installation requirements	B. C. D. E.
B.	and limitations at fire and sound assemblies. Provide rubberized asphaltic membrane materials at all penetrations of the water -	F.
2. Installation:	resistive membrane at exterior walls.	G. H.
A.	Provide required clearances for duct work and to combustibles.	II.
B.	Provide a permanent electric outlet and switched light fixture wherever equipment is installed.	l. l.
C.	No alterations to the structural frame, diaphragms, connections or shear panels shall be made without prior written approval from the Structural Engineer.	J.
D.	No equipment located in garages.	
E. F.	All combustion equipment shall be directly vented with an outdoor combustion air supply. All penetrations of fire assemblies shall meet the requirements of the building code and	К.
-	Section 7D.	L.
G.	All HVAC equipment shall be approved prior to installation per nationally recognized standards and evidenced by listing and label of an approved agency.	
H.	Combustion air from outside shall be supplied to all fuel burning appliances.	
I.	Install air filters with a minimum efficiency reporting value (MERV) \geq 10 and ensure that air handlers can maintain adequate pressure and air flow. Air filter housings must be air	M.
J.	tight to prevent bypass or leakage. All fixed appliances are required to be securely fastened in place. Provide seismic bracing or anchor unit to platform where appropriate.	N. O.
К.	Install centralized HVAC system equipped with additional controls to operate in dehumidification mode.	P. Q.
L.	Condenser pad or compressor from ground must not be less than 3" above grade.	<u> </u>
<u>_</u> . М.	The General Contractor and Subcontractors shall be responsible for storing the materials on the site according to material supplier's or manufacturers' instructions. The materials shall be kept secure and protected from moisture.	R. S. T. U.

of the trade.

LUMBING:

V.

Supply all labor, transportation, materials, etc. for installation of complete plumbing system to operate according to the best practices of the trade and including but not limited to: fixtures, hot and cold water piping, exhaust flues, combustion air, gas piping, log lighters, drains, soil and vent piping, hot water heaters, pipe insulation, meters, valves, vaults, etc. All materials, work, etc. to comply with all requirements of all legally constituted public authorities having jurisdiction including all county and state ordinances. Furnish and install plumbing work complete and operable, including trenching and backfilling. Verify all material and installation requirements and limitations at fire and sound assemblies. Provide rubberized asphaltic membrane materials at all penetrations of the water resistive membrane at exterior walls. Protect pipes from freezing. Place all water lines and waste lines within "conditioned" space and where approved thermal insulation is between "line" and unheated area.

ELECTRICAL:

Supply all labor, transportation, materials, etc, for installation of complete electrical system to operate according to the best practices of the trade and including but not limited to: Fixtures, appliances, wiring, switches, outlets, television jacks, services, grounds, temporary power, junction boxes, conduit, sub - panels, etc. All work, materials, etc, to comply with all requirements of all legally constituted authorities having jurisdiction including all County and State ordinances. Furnish and install electrical work complete and operable. Verify all material and installation requirements and limitations at fire and sound assemblies.

Provide rubberized asphaltic membrane materials at all penetrations of the waterresistive membrane at exterior walls.

Electrical system installed according to latest version of N.E.C or local code, whichever is more stringent.

Provide separate circuits each for dishwasher, garbage disposal, refrigerator, washer, dryer, F.A.U. and microwave oven.

Switched outlets shall be 1/2 hot.

Bathroom and Kitchen fans: Install local exhaust systems in all

bathrooms and in the kitchen to meet the requirements of section 5 of ASHRAE Standard 62.2-2007. Design and install fan ducts to meet the

requirements of section 7 of ASHRAE Standard 62.2-2007. Exhaust air to outdoors and also use ENERGY STAR labeled bathroom exhaust fans.

E. For every bathroom exhaust fan, install an occupancy sensor or an

automatic humidistat controller or an automatic timer to operate the fan for a timed interval after occupant leaves the room or a continuously operating exhaust fan.

All fixtures, outlets, receptacles etc., penetrating fire assemblies shall be rated and installed to meet the requirements of the building code. Outlet boxes on opposite sides of fire assembly walls shall be separated by a horizontal distance of at least 24".

All equipment installed outdoors and exposed to weather shall be weatherproof. Provide ground fault circuit interrupters, G.F.C.I., at all baths, garages, out-door and wet area outlets. All branch circuits that supply 125 - volt single - phase, 15 and 20 ampere receptacle outlets installed in dwelling unit bedrooms shall be protected by an arc - fault circuit interrupter(s).

Each conductor of every system shall be permanently tagged in compliance with O.S.H.A The complete electrical system shall be grounded in accordance with the presently adopted edition of the N.E.C., Art. #250. Proper ground requires #4 copper wire, 20' - 0" long, embedded into concrete and provide bond to gas or water line.

Use only competent and skilled personnel and perform all work, including aesthetic as well as electrical and mechanical aspects to standards consistent with the best practices

No alterations to the structural frame, diaphragms, connections or shear panels shall be made without approval from the Structural Engineer.

Roughing-in shall be completed, tested and inspected as required by code before closing -in with other work.

Openings in pipes, drains, and fittings shall be kept covered during construction.

Provide solid backing for securing fixtures. All fixtures to be set level. Provide cleanouts at ends of all lines and where required by codes.

Copper tubing shall be fully sweated to fittings.

Black iron and galvanized steel pipe joints shall be made with approved pipe thread compound.

Provide shut- off valves at each fixture. Provide condensate line at each F.A.U location. Provide primary & secondary condensate line to an approved drainage receptacle at attic F.A.U locations. Install condensate line for each piece of condensating HVAC equipment per manufactureres specifications.

Provide cold water line to refrigerator space in recessed box or in cabinet immediately adjacent to refrigerator space. Isolate all piping from structure with fiber padding and at all penetrations with elastic

caulking or sound isolators. All vents to lead to outside air, where possible, locate all roof vents to rear side or ridges.

Vents to terminate a minimum of 3'-0" from windows. All horizontal A.B.S. piping shall be hung with approved hangers at 4' -0" on center

minimum and spaced to permit expansion and contraction without hitting adjoining pipe.

Vertical piping shall be supported at 8'-0" on center with wrought steel "U" straps securely fastened to building frame. Provide air chambers at lavatory, dishwasher and clothes washer water connections. Set

vertically as close to fixture as possible. Provide ³/₄" tee for irrigation at main shut-off.

Provide water heater with pressure/ temperature relief valve and pan and drain line piped to the exterior of the buildings.

All combustion equipment shall be directly vented.

No alterations to the structural frame, diaphragms, connections or shear panels shall be made without prior written approval from the structural Engineer.

Provide non- removable backflow device on all exterior hose bibs. A 12" minimum access panel to bathtub trap connection is required.

Provide pressure regulator for water service where pressure exceeds 80 psi

Provide drain pan under washer with drain in laundry room and shut off valve if washer is located above living space.

Provide solid metal pipe for dryer vent to exterior. Do not install screen on dryer vent. Provide energy efficient dryer vent (with floating shuttle).

FREE GREEN

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www.FreeGreen.com 348 MEDFORD ST. SUITE 1

CHARLESTOWN, MA 02129

NOTES:

PROJECT NAME:

REVISION SCHEDULE

NE COLONIAL

Description

GENERAL NOTES

PROJECT NUMBER: DATE: DRAWN BY:

CHECKED BY:

SCALE

10-002 Issue Date MY

BU, SH

Date

A-00-1

I. ESTIMATE								
I. ESTIMATE						_		
	ATTEMPTED: (YES/NO)							ID 3: INNOVATIVE OR REGIONAL DESIGN
	ED POINTS ELIGIBLE BY T NTS AVAILABLE: (P = PREF							Intent. Minimize the environmental impact of the
				٦				green design and construction measures that have
								benefits beyond those in the LEED for Homes Rat
		LEED FOR HOMES					(pg. 45)	3.1 Innovation #1
		REFERENCE GUIDE FIRSTEDITION 200	38				(pg. 45)	3.2 Innovation #2
	BUILDIA						(pg. 45) (pg. 45)	3.3 Innovation #3 3.4 Innovation #4
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ic	LEED		NE COMFORTABLE SSE COMFORTABLE					Intent. Minimize the environmental impact of land homes in LEED for Neighborhood Development ce
	USGBC		CE HGHER PEPPY BUR				(pg. 51)	1 LEED for Neighborhood Development
		""""" LESSWA	STELESS STORY-EFFICIEN					LL 2: SITE SELECTION
			AIRFINE					Intent. Avoid development on environmentally se
				1.	.	I. IV.	(pg. 55)	2 Site Selection
								LL 3: PREFERRED LOCATIONS
		CERTIFICATION LE						Intent. Encourage the building of LEED homes ne
e mandatory for ev	very project, and no points are awarde	edits. The prerequisites are basic perfored for meeting them. To achieve certific	ation, builders earn credit				(pg. 59)	3.1 Edge Development
		uisites. In total, 136 credit points are av	/ailable.				(pg. 59)	3.2 Infill
	oints are classified in eight credit cateo	gories:					(pg. 59)	3.3 Previously Developed
Special design m		sures not currently addressed in the Rat	ing System, and exemplary					LL 4: INFRASTRUCTURE
performance level Location & Link	ages (LL).		-					Intent. Encourage the building of LEED homes in by or are near existing infrastructure (i.e., sewers a
Sustainable Site	es (SS).	ly responsible ways in relation to the lar	rger community.				(pg. 65)	4 Existing Infrastructure
The use of the en Water Efficiency	ntire property so as to minimize the pro y (WE).						(Pg. 00)	LL 5: COMMUNITY RESOURCES / TRANSIT
Water conservation	ion practices, both indoor and outdoor. sphere (EA).							Intent. Encourage the building of LEED homes in
Energy efficiency Materials & Rese Efficient utilization	y, particularly in the building envelope a cources (MR).	and heating and cooling design. ntally preferable materials, and minimize	ation of waste during					for walking, biking, or public transit (thereby minim automobiles and their associated environmental in
	mental Quality (EQ).						(pg. 69)	5.1 Basic Community Resources / Transit
. Awareness & Ec							(pg. 69)	5.2 Extensive Community Resources / Transit
The education of green features of		ilding manager about the operations an	d maintenance of the				(pg. 69)	5.3 Outstanding Community Resources / Tran
ERTIFICATION LE	EVELS							LL 6: ACCESS TO OPEN SPACE
		minimum level of performance through						Intent. Provide open space to encourage walking
	I performance in each of the above cat	tegories. The level of performance is in					(n= 75)	outdoors.
,	Т	Fable 1 Sec Certification Levels						6 Access to Open Space
		Required Points					505	
	Certified	45-59						SS 1: SITE STEWARDSHIP
		1	1					
	Silver	60-74	_					Intent. Minimize the environmental damage to the
	Gold	75-89	_				(ng. 81)	process.
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of the home by incorporating additional at have tangible and demonstrable				environmentally preferable products and products or extracted, processed, and manufactured within the
es Rating System.			(pg. 145) 2.1 High-Efficiency Irrigation System (OR WE 2.3) 3 region.	
	1		(pg. 146) 2.2 Third-Party Inspection (OR WE 2.3) 1 (pg. 247) 2.1 FSC-Certified Tropical V	Nood (P)
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of land development practices by building			ENERGY & ATMOSPHERE (EA) INDOOR ENVIRONMENT	TAL QUALITY (EQ)
nent certified developments.			EA 1: OPTIMIZE ENERGY PERFORMANCE	
(OR LL 2-6)	10		Intent. Improve the overall energy performance of a home by meeting or exceeding	ality of a home's indoor environment by installing an
			approved bundle of air quality	
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mes in development patterns that allow			Intent. Maximize the energy performance of windows. (pg. 289) 4.1 Basic Outdoor Air Venti	lation (OR IQ 1, 4.2, 5.2, 5.3, 7.2/7.3, 8.2) (P) (P)
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· · ·	3			exposure to indoor pollutants in kitchen and bathrooms.
			Intent. Minimize energy consumption due to thermal bridges and/or leaks in the (pg. 299) 5.1 Basic Local Exhaust	(OR IQ 1, 4.2, 5.2, 5.3, 7.2/7.3, 8.2) (P)
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איזיטען איזאטען איזעראיזאא איזעראיזאא איזעראיזאא איזעראיזאא איזעראיזאא איזעראיזען איזעראיזען איזעראיזעראיזעראי			(pg. 195) 5.1 Reduced Distribution Losses (OR EA 1, 7.1, 7.2) (P) (pg. 299) 5.3 Third-Party Performance	
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			EA 6: SPACE HEATING AND COOLING EQUIPMENT improve thermal comfort and e	
			Intent. Reduce energy consumption associated with the heating and cooling system. (pg. 305) 6.1 Room by Room Load Ca	alculations (OR IQ 1, 4.2, 5.2, 5.3, 7.2/7.3, 8.2) (P)
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۲ (ח/ n n n n n n n n n n n n n n n n n n n			(pg. 201) 6.2 High-Efficiency HVAC (OR EA 1, 7.1, 7.2) 2 2 (pg. 305) 6.3 Third-Party Performance	e Testing (OR IQ 1, 4.2, 5.2, 5.3, 7.2/7.3, 8.2) 2
on (P)	$\frac{1}{1}$		(pg. 201) 6.3 Very High-Efficiency HVAC (OR EA 6.2) (OR EA 1, 7.1, 7.2) 4	
	•			atter from the air supply system.
invasive species and minimize demand for			Intent. Reduce energy consumption associated with the domestic hot water system, (pg. 311) 7.1 Good Filters	(OR IQ 1, 4.2, 5.2, 5.3, 7.2/7.3, 8.2) (P)
Trasive species and minimize demand for			including improving the efficiency of both the hot water system design and the layout (pg. 311) 7.2 Better Filters	
(P)			of the fixtures in the home. (pg. 311) 7.3 Best Filters	(OR IQ 7.2) 2
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(OR SS 2.5)	3			nd construction workers' exposure to indoor airborne
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v at Least 20%	6		(pg. 315) 8.1 Indoor Contaminant Co	-
			Intent. Reduce energy consumption associated with interior and exterior lighting. (pg. 315) 8.2 Indoor Contaminant	
e local heat island effects.			(pg. 213) 8.1 ENERGY STAR Lights (OR EA 1, 7.1, 7.2) (P) (pg. 315) 8.3 Preoccupancy Flush (pg. 213) 8.2 Improved Lighting (OR EA 1, 7.1, 7.2) 1.5 1.5 IQ 9: RADON PROTECTION	(OR IQ 1, 4.2, 5.2, 5.3, 7.2/7.3, 8.2) 1
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			(pg. 336) 1.1 Enhanced Training	
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(OR WE 1.3) (OR WE 1.3)	1		(pg. 235)1.4 Framing Efficiencies(OR MR 1.5)3(pg. 339)2 Education of Building Mark(pg. 235)1.5 Off-Site Fabrication444	nagei

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Vhat is the LEED for Homes Green Building Rating System?

LEED for Homes is a national, voluntary certification system, developed by national experts and experienced builders, that promotes the design and onstruction of high-performance green homes and encourages the adoption f sustainable practices by the homebuilding industry.

The LEED for Homes Rating System is part of the suite of nationally recognized LEED Green Building Rating Systems administered by USGBC. Like all LEED Rating Systems, it is the market's leadership system, targeting the top 25% of home building practices in terms of environmental responsibility. LEED provides industry resources and tools on how to "green" any new home.

With LEED, homebuilders can differentiate their structures as meeting the highest performance measures, and homebuyers can readily identify highquality green homes. LEED provides national consistency in defining the features of a green home, enables builders anywhere in the country to obtain a green rating on their homes, and assures homebuyers of the quality of their purchases, all based on a recognized national brand.

How to use the LEED for Homes Green Building Rating System Checklist:

If you plan to have your project LEED certified, this page will provide you with a brief but clear outline of the program's mandatory and credit requirements.

Please visit www.usgbc.org/LEED/homes for complete participation requirements, credit descriptions and to purchase the most current edition of the LEED for Homes Reference Guide as show on the upper left hand corner of this page.

f you choose not to have your project certified but would like to incorporate preen practices, products and materials, use this sheet as a guide to select ne green features you would like to include.

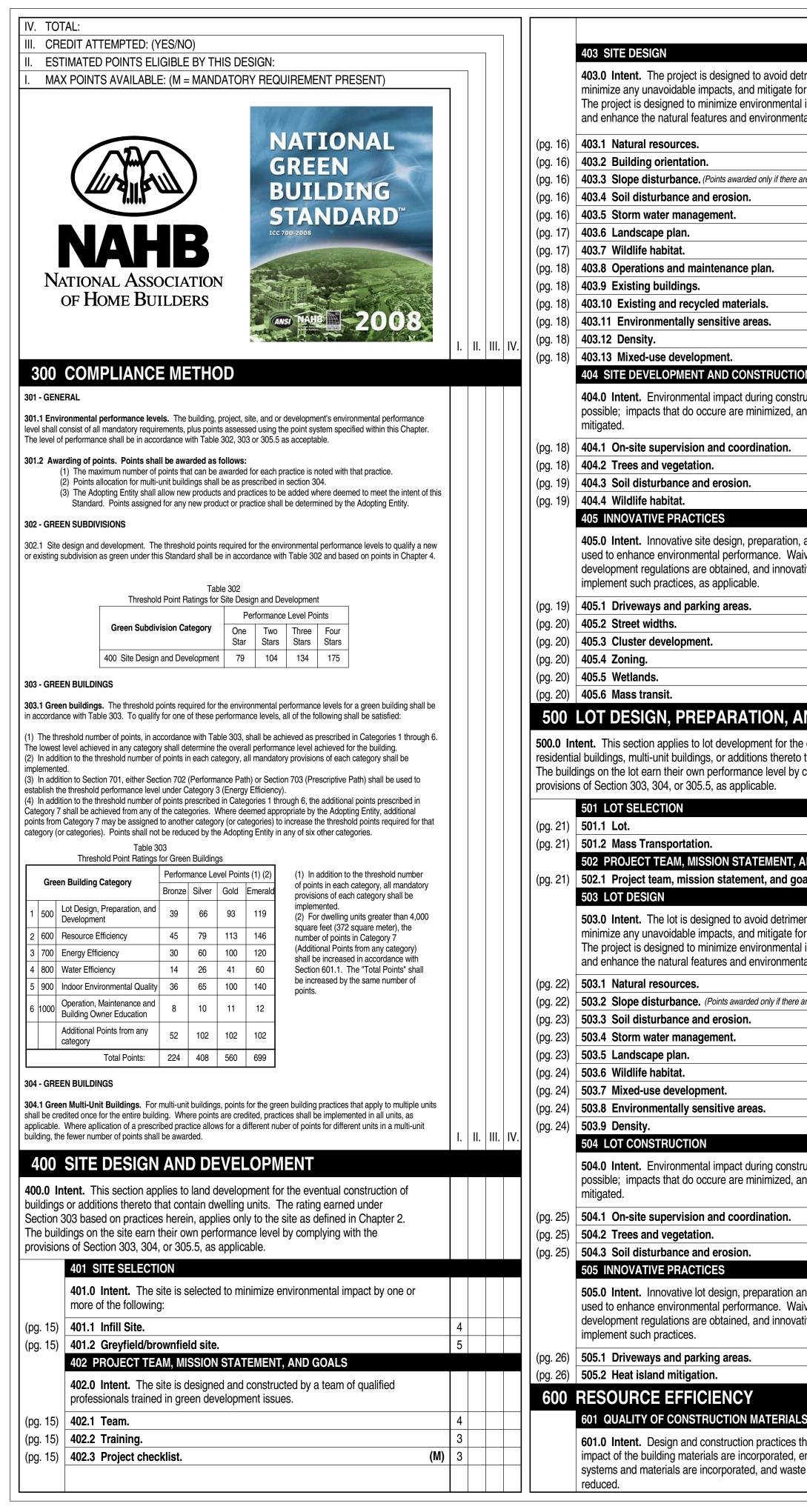
FreeGreen Inc. has made an effort to include many green building practices, products and materials right into this free home plan set. If followed as presented, this home design is already eligible for a variety of points under EED for Homes Green Building Rating System. This page also identifies these achievable points for your convenience. SEE COLUMN "II."

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LEED-H RATING SYSTEM CHECKLIST 10-002 ROJECT NUMBER:

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that minimize the environmental			704 ADDITIONAL PRACTICES				(pg. 85)		M) 4 M) 5	;+
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environmentally efficient building ste generated during construction is			added to points earned in Section 702 (Performance Path), Section 703 (Prescriptive				(pg. 86)) 1003.3 Maintenance manual.	M) 4.5)

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What is the NAHB National Green Building Standard?

In 2007 the National Association of Home Builders (NAHB) and the International Code Council (ICC) partnered to form to establish a muchneeded and nationally-recognizable standard definition of what is meant by "Green Building."

A consensus committee was formed to develop this standard in compliance with the requirements of the American National Standards Institute (ANSI). The resulting ANSI approved ICC-700-2008 National Green Building Standard defines green building for single and multifamily homes, residential remodeling projects and site development projects while still allowing for the flexibility required for regionally-appropriate best green practices.

Similar to the NAHB Model Green Homebuilding Guidelines, a builder, remodeler or developer must incorporate a minimum number of features in the following areas: energy, water, and resource efficiency, lot and site development, indoor environmental quality, and home owner education. The more points accrued, the higher the score.

The Standard, however, includes more mandatory items and suggests that higher thresholds be met in several categories. A new threshold - "Emerald" - was added to denote the highest achievement in residential green construction.

How to use the NAHB National Green Building Standard Checklist:

If you plan to have your project certified by the NAHB National Green Building Standard, this page will provide you with a brief but clear outline of the program's mandatory and credit requirements. Additional clarifying text can be found in the full National Green Building Standard. This checklist is a worksheet only and is not a substitute for online scoring at NAHBGreen.org which. Scoring through NAHBGreen.org is required for home certification in the NAHBGreen program.

To purchase the National Green Building Standard or for more information visit **www.BuilderBooks.com**.

If you choose not to have your project certified but would like to incorporate green practices, products and materials, use this sheet as a guide to select the green features you would like to include.

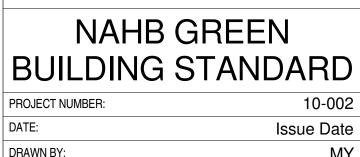
FreeGreen Inc. has made an effort to include many green building practices, products and materials right into this free home plan set. If followed as presented, this home design is already eligible for a variety of points under NAHB National Green Building Standard Rating System. This page also identifies these achievable points for your convenience. SEE COLUMN "II."

NOTE: Points available for renovations and additions as specified in the NAHB Green Building Standard are not listed on this sheet. For a description of points available for renovations and additions as specified in the NAHB Green Building Standard please purchace the full standard at www.BuilderBooks.com.

PROJECT NAME:

CHECKED BY:

SCALE

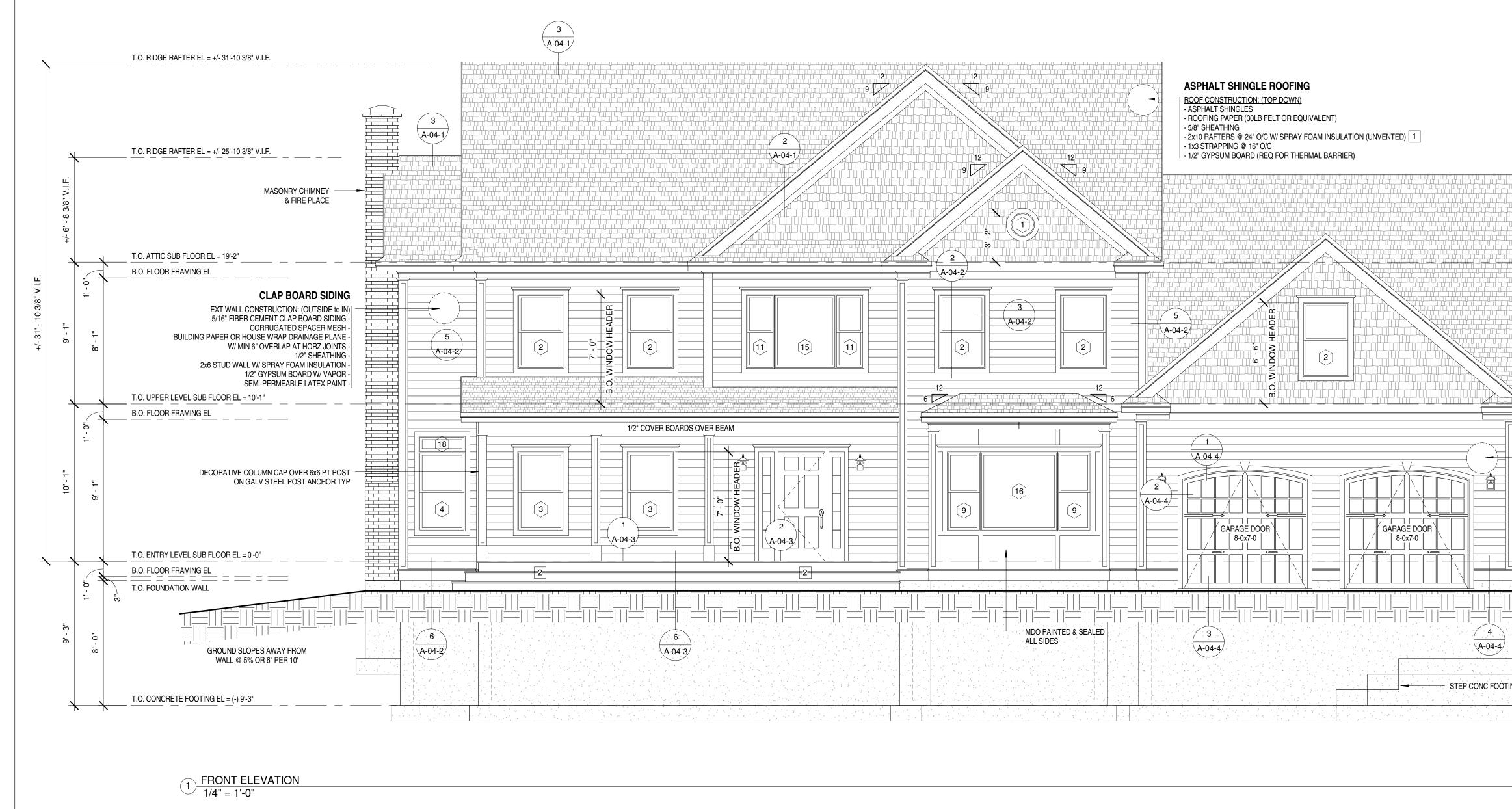


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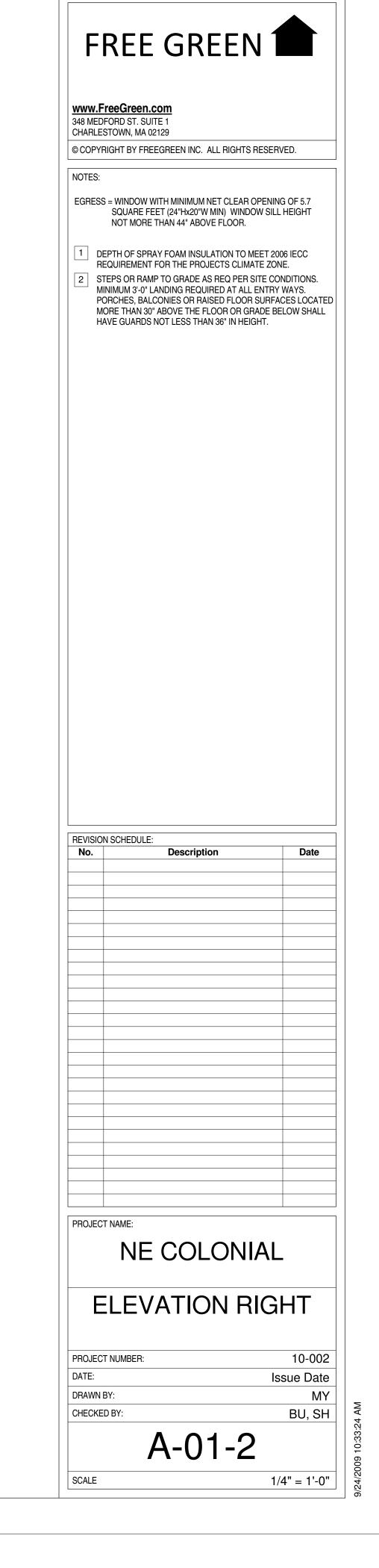
			WINDOW SC	CHEDULE					
No.	MANUFACTURER	MODEL NUMBER	UNIT TYPE	SPECIAL	UNIT WIDTH	UNIT HEIGHT	ROUGH WIDTH	ROUGH HEIGHT	QUANTITY
1	ANDERSON	CIR20	CIRCLE - FIXED		1' - 7 3/4"	1' - 7 3/4"	2' - 0 5/8"	2' - 0 5/8"	1
2	ANDERSON, 400 SERIES WOODWRIGHT	WDH210-46	DOUBLE HUNG		2' - 11 5/8"	4' - 8 7/8"	3' - 0 1/8"	4' - 9 3/8"	12
3	ANDERSON, 400 SERIES WOODWRIGHT	WDH210-410	DOUBLE HUNG		2' - 11 5/8"	5' - 0 7/8"	3' - 0 1/8"	5' - 1 3/8"	2
4	ANDERSON, 400 SERIES WOODWRIGHT	WDH210-410	DOUBLE HUNG	MULLED UNIT	2' - 11 5/8"	5' - 0 7/8"	3' - 0 1/8"	6' - 1 3/8"	3
5	ANDERSON, 400 SERIES WOODWRIGHT	WDH38-310	DOUBLE HUNG	TEMPERED	3' - 9 5/8"	4' - 0 7/8"	3' - 10 1/8"	4' - 1 3/8"	1
6	ANDERSON, 400 SERIES WOODWRIGHT	WDH210-510	DOUBLE HUNG	MULLED UNIT	2' - 11 5/8"	6' - 0 7/8"	3' - 0 1/8"	7' - 1 3/8"	4
7	ANDERSON, 400 SERIES WOODWRIGHT	WDH210-310	DOUBLE HUNG		2' - 11 5/8"	4' - 0 7/8"	3' - 0 1/8"	4' - 1 3/8"	5
8	ANDERSON, 400 SERIES WOODWRIGHT	WDH26-32	DOUBLE HUNG		2' - 7 5/8"	3' - 4 7/8"	2' - 8 1/8"	3' - 5 3/8"	3
9	ANDERSON, 400 SERIES WOODWRIGHT	WDH20-410	DOUBLE HUNG	MULLED UNIT	2' - 1 5/8"	5' - 0 7/8"	9' - 3 1/2"	5' - 1 3/8"	2
10	ANDERSON, 400 SERIES WOODWRIGHT	WDH20-310	DOUBLE HUNG		2' - 1 5/8"	4' - 0 7/8"	2' - 2 1/8"	4' - 1 3/8"	2
11	ANDERSON, 400 SERIES WOODWRIGHT	WDH18-46	DOUBLE HUNG	MULLED UNIT	1' - 9 5/8"	4' - 8 7/8"	7' - 7 1/2"	4' - 9 3/8"	2
12	ANDERSON, 400 SERIES WOODWRIGHT	WDH18-46	DOUBLE HUNG	MULLED UNIT	1' - 9 5/8"	4' - 8 7/8"	1' - 10 1/8"	5' - 9 3/8"	2
15	ANDERSON, 400 SERIES WOODWRIGHT	WPW310-46	FIXED	MULLED UNIT	3' - 11 5/16"	4' - 8 7/8"	7' - 7 1/2"	4' - 9 3/8"	1
16	ANDERSON, 400 SERIES WOODWRIGHT	WPW410-410	FIXED	MULLED UNIT	4' - 11 5/16"	5' - 0 7/8"	9' - 3 1/2"	5' - 1 3/8"	1
17	ANDERSON, 400 SERIES WOODWRIGHT	WPW20-310 (CUSTOM)	FIXED, TEMPERED		2' - 1 5/8"	4' - 0 7/8"	2' - 2 1/8"	4' - 1 3/8"	1
18	ANDERSON, 400 SERIES WOODWRIGHT	WTR210-10	TRANSOM	MULLED UNIT	2' - 11 5/8"	1' - 0"	3' - 0 1/8"	6' - 1 3/8"	3
19	ANDERSON, 400 SERIES WOODWRIGHT	WTR210-10	TRANSOM	MULLED UNIT	2' - 11 5/8"	1' - 0"	3' - 0 1/8"	7' - 1 3/8"	4
20	ANDERSON, 400 SERIES WOODWRIGHT	WTR18-10	TRANSOM	MULLED UNIT	1' - 9 5/8"	1' - 0"	1' - 10 1/8"	5' - 9 3/8"	2

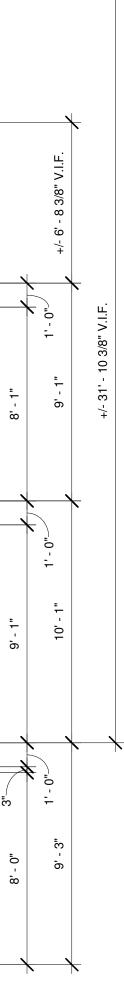


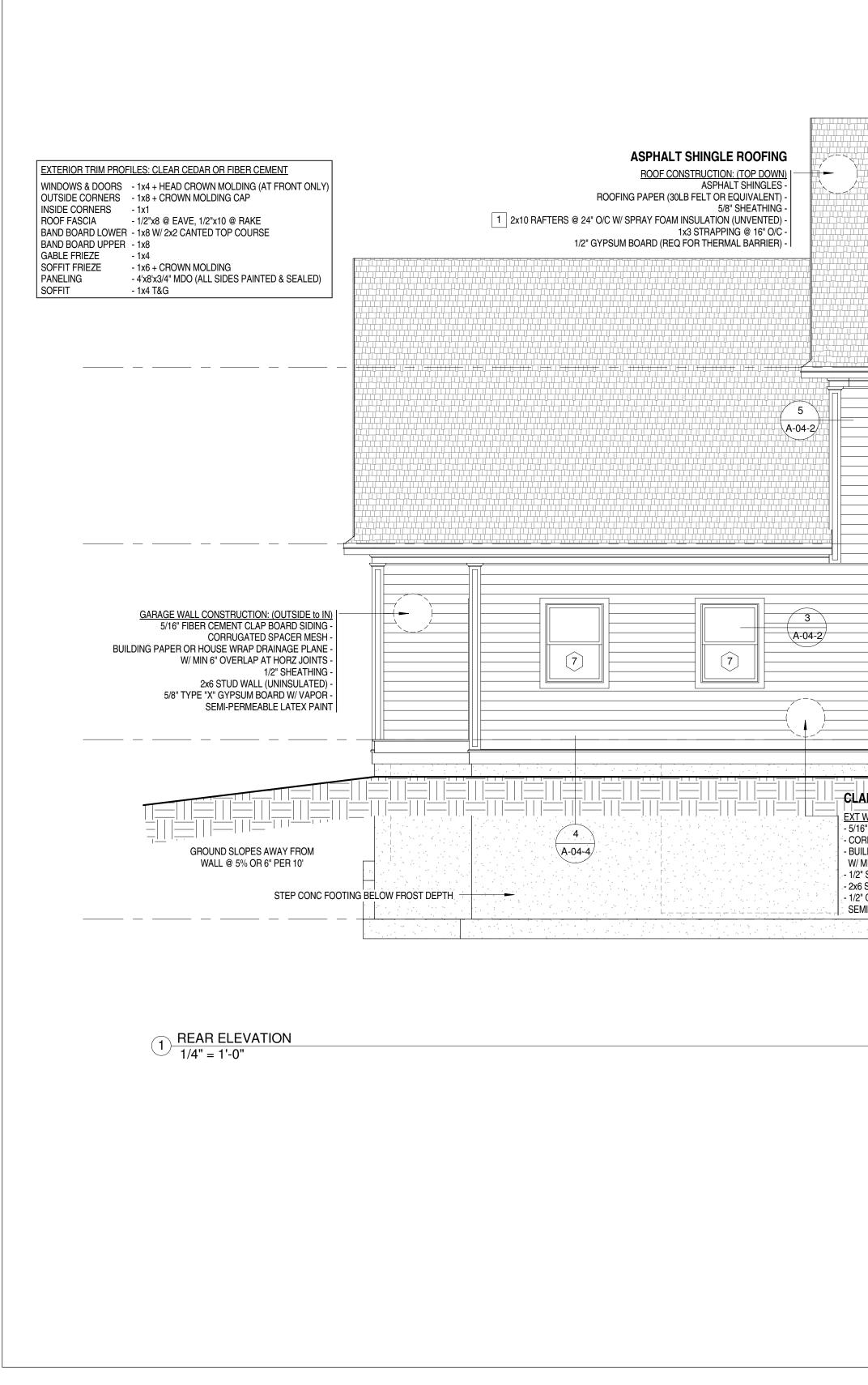
	FREE GREEN T
	 © COPYRIGHT BY FREEGREEN INC. ALL RIGHTS RESERVED. NOTES: EGRESS = WINDOW WITH MINIMUM NET CLEAR OPENING OF 5.7 SQUARE FEET (24"Hx20"W MIN) WINDOW SILL HEIGHT NOT MORE THAN 44" ABOVE FLOOR. 1 DEPTH OF SPRAY FOAM INSULATION TO MEET 2006 IECC REQUIREMENT FOR THE PROJECTS CLIMATE ZONE. 2 STEPS OR RAMP TO GRADE AS REQ PER SITE CONDITIONS. MINIMUM 3'-0" LANDING REQUIRED AT ALL ENTRY WAYS. PORCHES, BALCONIES OR RAISED FLOOR SURFACES LOCATED MORE THAN 30" ABOVE THE FLOOR OR GRADE BELOW SHALL HAVE GUARDS NOT LESS THAN 36" IN HEIGHT.
EXTERIOR TRIM PROFILES: CLEAR CEDAR OR FIBER CEMENTWINDOWS & DOORS- 1x4 + HEAD CROWN MOLDING (AT FRONT ONLY)OUTSIDE CORNERS- 1x8 + CROWN MOLDING CAPINSIDE CORNERS- 1x1ROOF FASCIA- 1/2"x8 @ EAVE, 1/2"x10 @ RAKEBAND BOARD LOWER- 1x8 W/ 2x2 CANTED TOP COURSEBAND BOARD UPPER- 1x8GABLE FRIEZE- 1x4SOFFIT FRIEZE- 1x6 + CROWN MOLDINGPANELING- 4'x8'x3/4" MDO (ALL SIDES PAINTED & SEALED)SOFFIT- 1x4 T&G	
	REVISION SCHEDULE: No. Description Date <td< td=""></td<>
 GARAGE WALL CONSTRUCTION: (OUTSIDE to IN) - 5/16" FIBER CEMENT CLAP BOARD SIDING - CORRUGATED SPACER MESH - BUILDING PAPER OR HOUSE WRAP DRAINAGE PLANE - W/ MIN 6" OVERLAP AT HORZ JOINTS - 1/2" SHEATHING - 2x6 STUD WALL (UNINSULATED) - 5/8" TYPE "X" GYPSUM BOARD W/ VAPOR SEMI-PERMEABLE LATEX PAINT 	
GROUND SLOPES AWAY FROM WALL @ 5% OR 6" PER 10'	



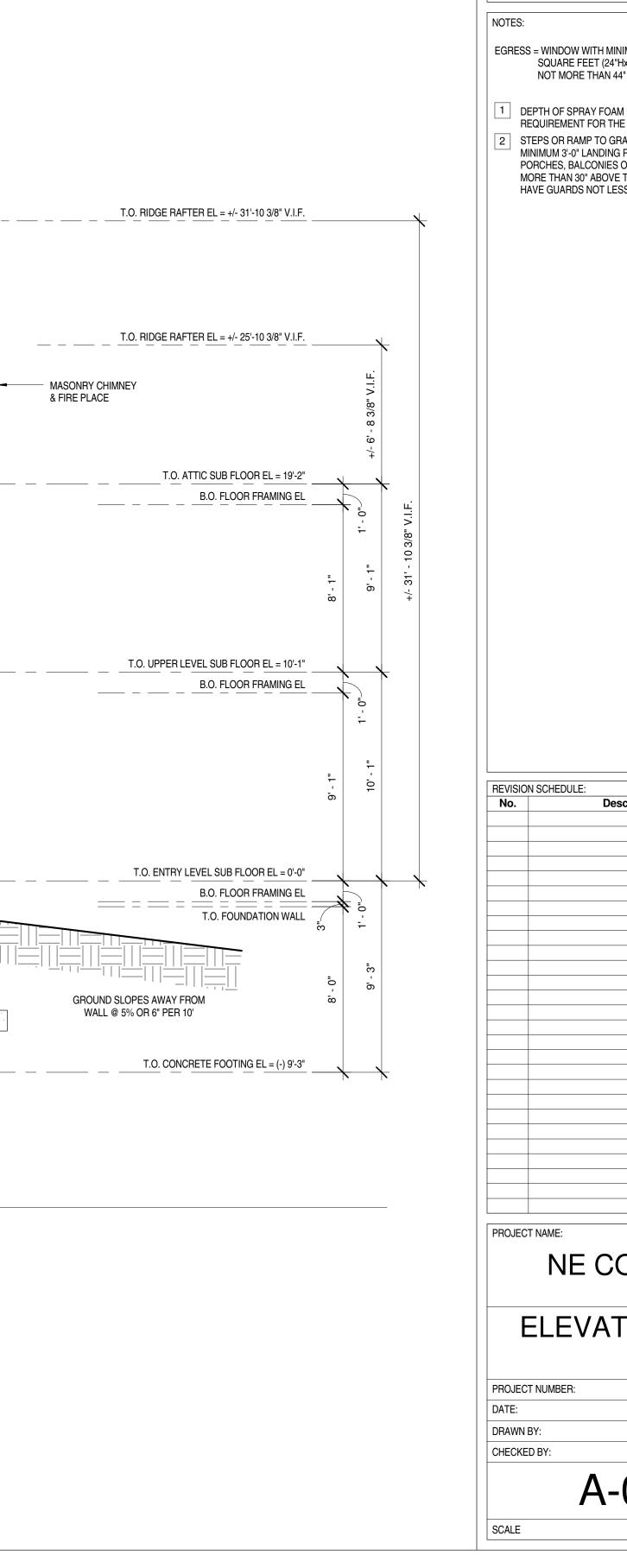
1 RIGHT ELEVATION 1/4" = 1'-0"

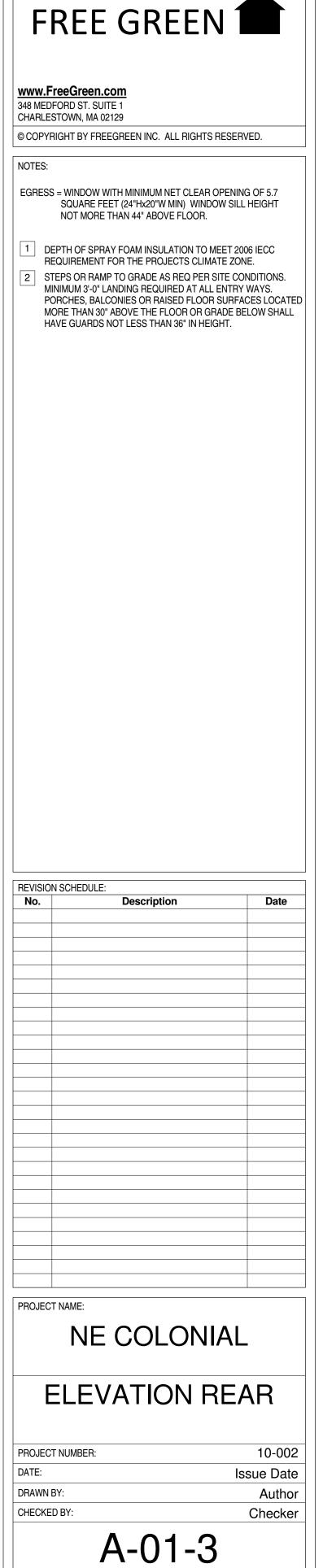




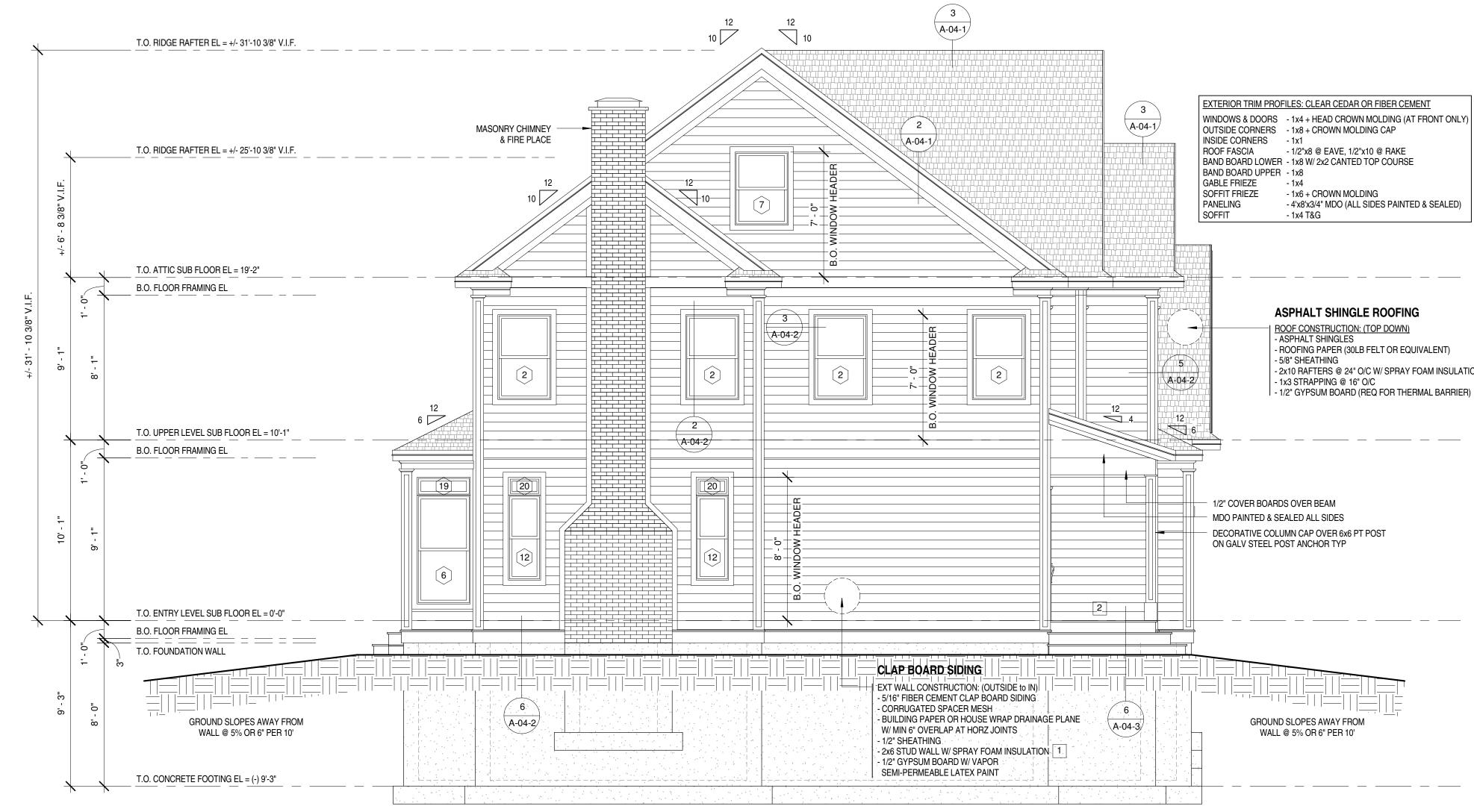


		3 A-04-1	
(17) (5) (5) (2) (A-04-2)			
AP BOARD SIDING IT WALL CONSTRUCTION: (OUTSIDE to IN) /16" FIBER CEMENT CLAP BOARD SIDING ORRUGATED SPACER MESH UILDING PAPER OR HOUSE WRAP DRAINAGE PLANE // MIN 6" OVERLAP AT HORZ JOINTS /2" SHEATHING x6 STUD WALL W/ SPRAY FOAM INSULATION 1 /2" GYPSUM BOARD W/ VAPOR EMI-PERMEABLE LATEX PAINT			





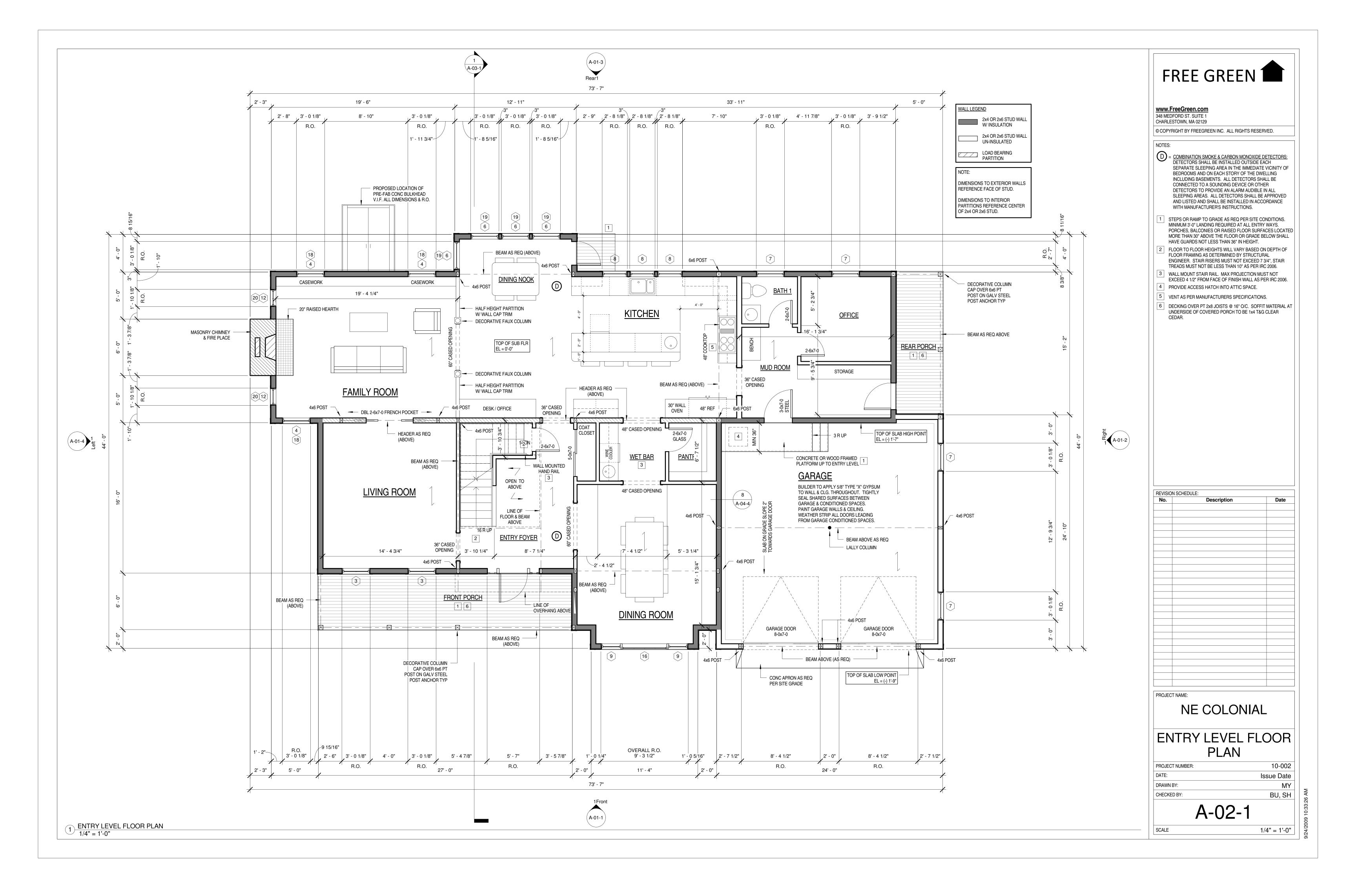
1/4" = 1'-0"

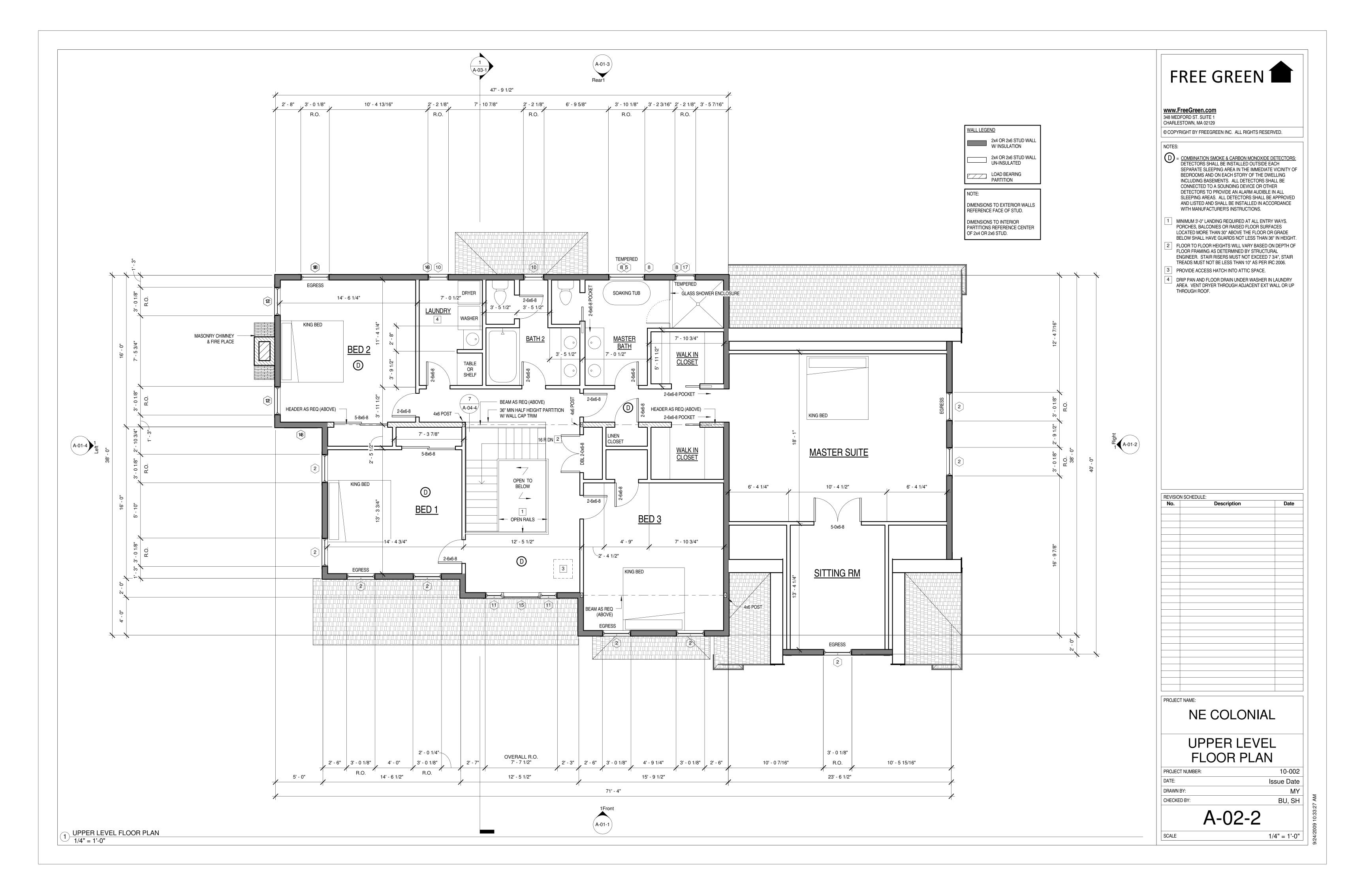


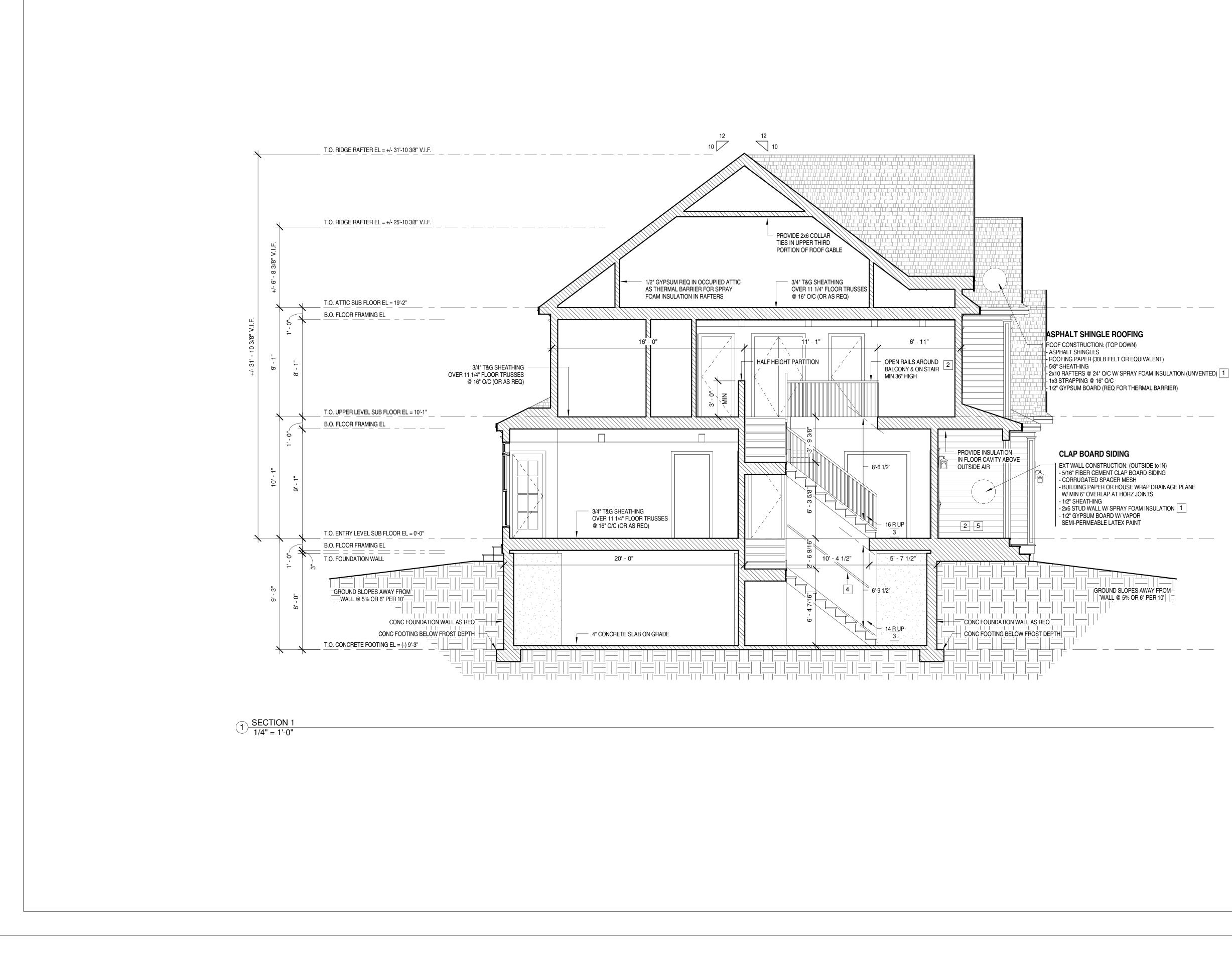
1 <u>LEFT ELEVATION</u> 1/4" = 1'-0"

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	STOWN, MA 02129 RIGHT BY FREEGREEN INC. ALL RIGHTS RI	ESERVED.
NOTES:		
	S = WINDOW WITH MINIMUM NET CLEAR OF SQUARE FEET (24"Hx20"W MIN) WINDOV NOT MORE THAN 44" ABOVE FLOOR.	V SILL HEIGHT
R 2 S	EPTH OF SPRAY FOAM INSULATION TO ME EQUIREMENT FOR THE PROJECTS CLIMAT TEPS OR RAMP TO GRADE AS REQ PER SIT	E ZONE. TE CONDITIONS.
P M	INIMUM 3'-0" LANDING REQUIRED AT ALL EI ORCHES, BALCONIES OR RAISED FLOOR S ORE THAN 30" ABOVE THE FLOOR OR GRA AVE GUARDS NOT LESS THAN 36" IN HEIGH	URFACES LOCATED DE BELOW SHALL
REVISIO	N SCHEDULE: Description	Date
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	NE COLONIA	4L
	ELEVATION L	EFT
PROJEC	T NUMBER:	10-002
DATE:		Issue Date
CHECKE		Author Checker
	A-01-4	Checker WY 1/4" = 1'-0" WY
SCALE	♥ • •	1/4" = 1'-0"
		6

- 2x10 RAFTERS @ 24" O/C W/ SPRAY FOAM INSULATION (UNVENTED)







]
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NOTES:	
 DEPTH OF SPRAY FOAM INSULATION TO MEET 2006 IECC REQUIREMENT FOR THE PROJECTS CLIMATE ZONE. STEPS OR RAMP TO GRADE AS REQ PER SITE CONDITIONS. MINIMUM 3'-0" LANDING REQUIRED AT ALL ENTRY WAYS. PORCHES, BALCONIES OR RAISED FLOOR SURFACES LOCATED MORE THAN 30" ABOVE THE FLOOR OR GRADE BELOW SHALL HAVE GUARDS NOT LESS THAN 36" IN HEIGHT. FLOOR TO FLOOR HEIGHTS WILL VARY BASED ON DEPTH OF FLOOR FRAMING AS DETERMINED BY STRUCTURAL 	1
 ENGINEER. STAIR RISERS MUST NOT EXCEED 7 3/4", STAIR TREADS MUST NOT BE LESS THAN 10" AS PER IRC 2006. WALL MOUNT STAIR RAIL. MAX PROJECTION MUST NOT EXCEED 4 1/2" FROM FACE OF FINISH WALL AS PER IRC 2006. DECKING OVER PT 2x8 JOISTS @ 16" O/C. SOFFIT MATERIAL AT UNDERSIDE OF COVERED PORCH TO BE 1x4 T&G CLEAR CEDAR. 	
REVISION SCHEDULE: No. Description	
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PROJECT NAME: NE COLONIAL	
BUILDING SECTIONS	

PROJECT NUMBER: DATE: DRAWN BY:

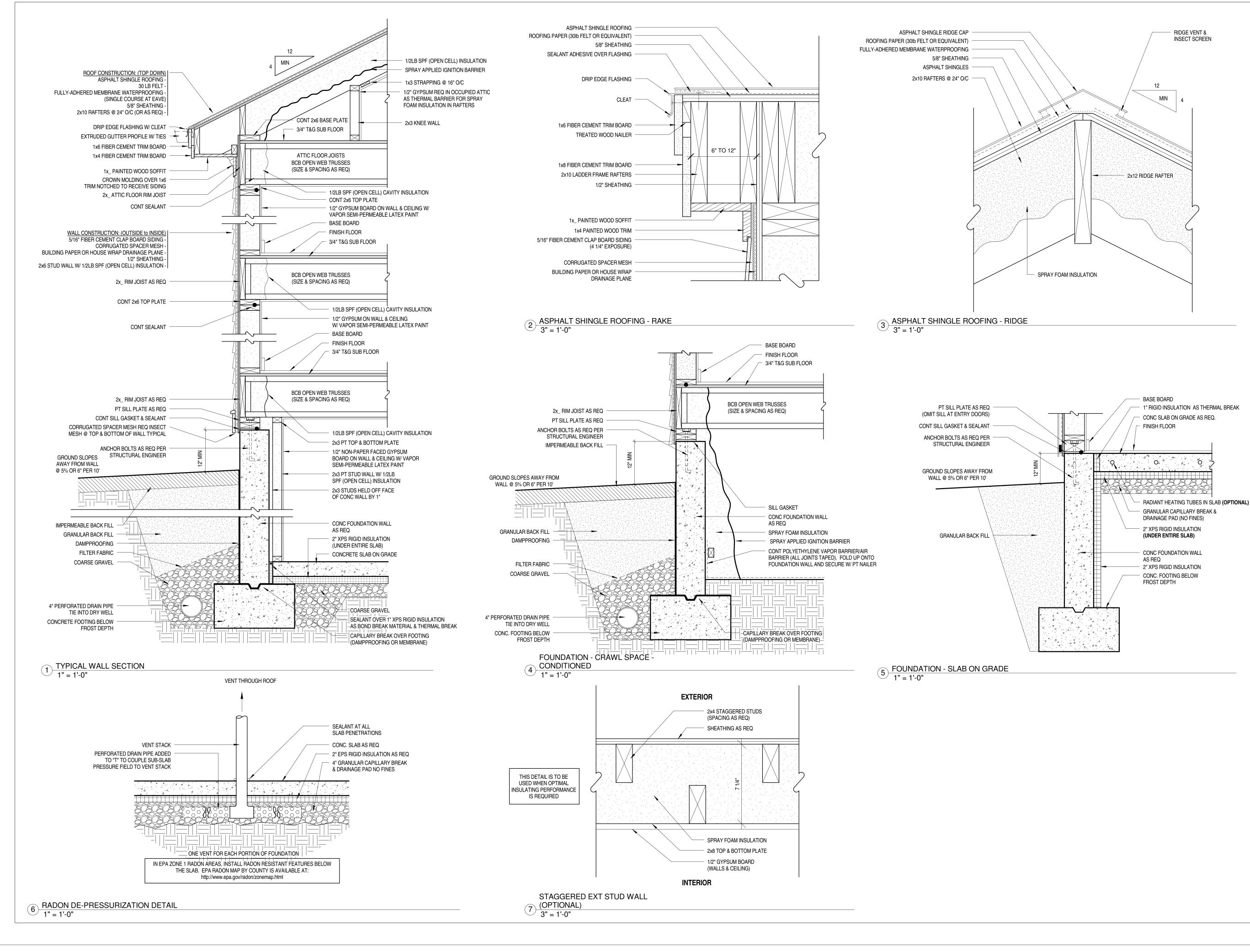
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SCALE

10-002 Issue Date MY BU, SH

1/4" = 1'-0"



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NOTES:

REVISION SCHEDULE: Date Description No. PROJECT NAME: **NE COLONIAL**

DETAILS 1

A-04-1

PROJECT NUMBER: DATE:

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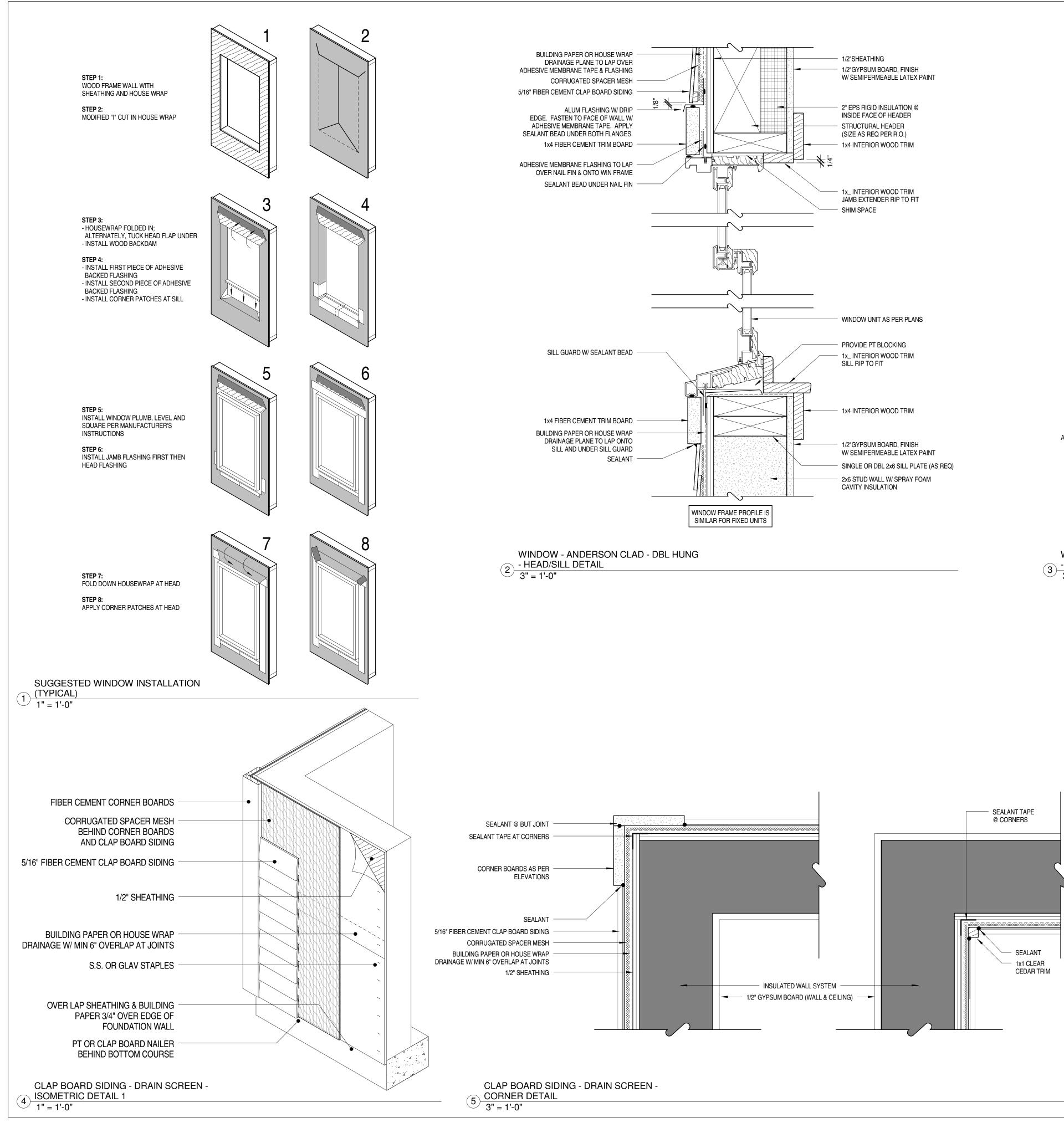
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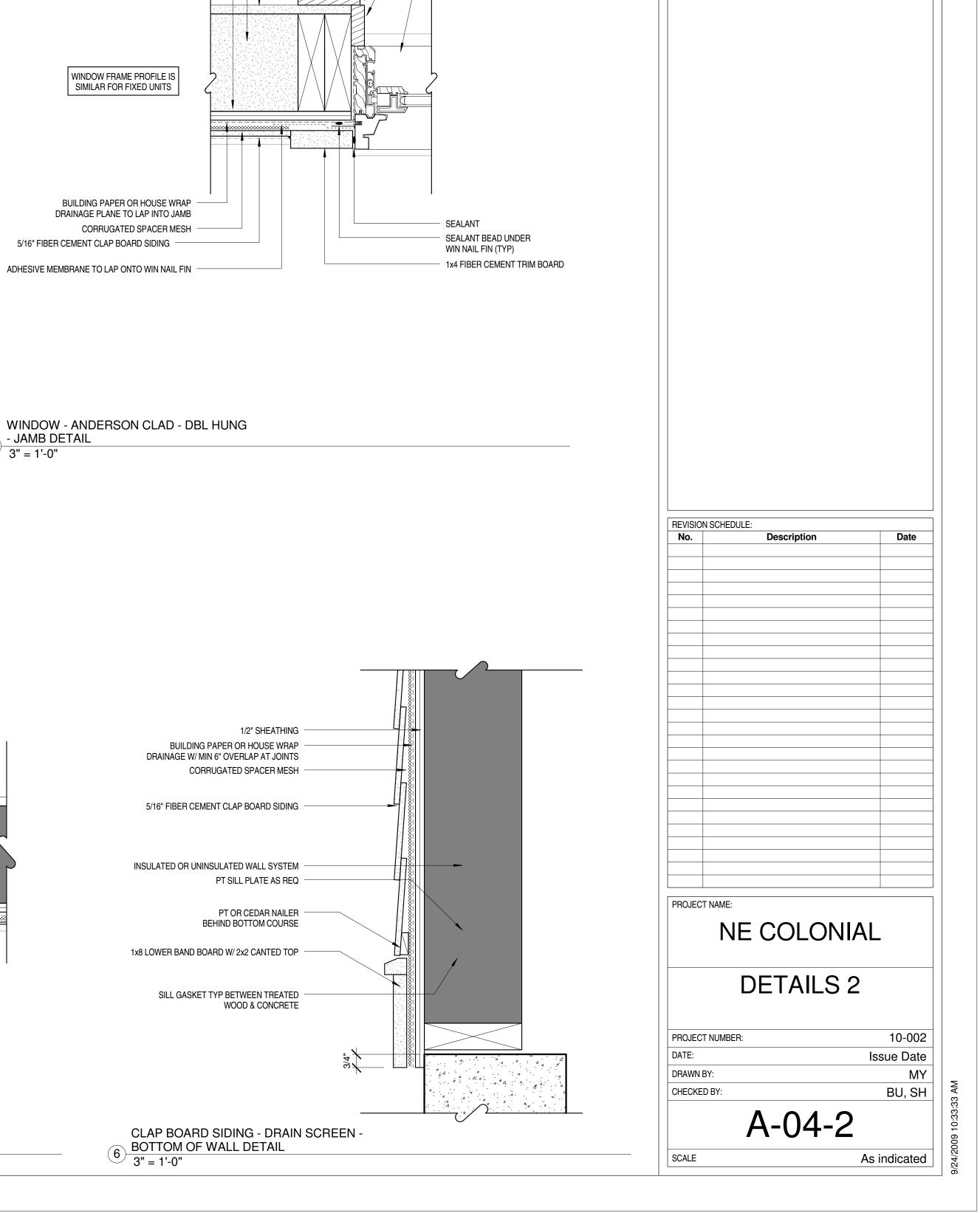
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Issue Date MY BU, SH

As indicated

10-002





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NOTES:

1x_INTERIOR WOOD TRIM

1x4 INTERIOR WOOD TRIM

1x_INTERIOR WOOD TRIM

JAMB EXTENDER RIP TO FIT

WINDOW UNIT AS PER PLANS

SILL RIP TO FIT

~1/4"

- JAMB DETAIL $3 - \frac{3}{3''} = 1' - 0''$

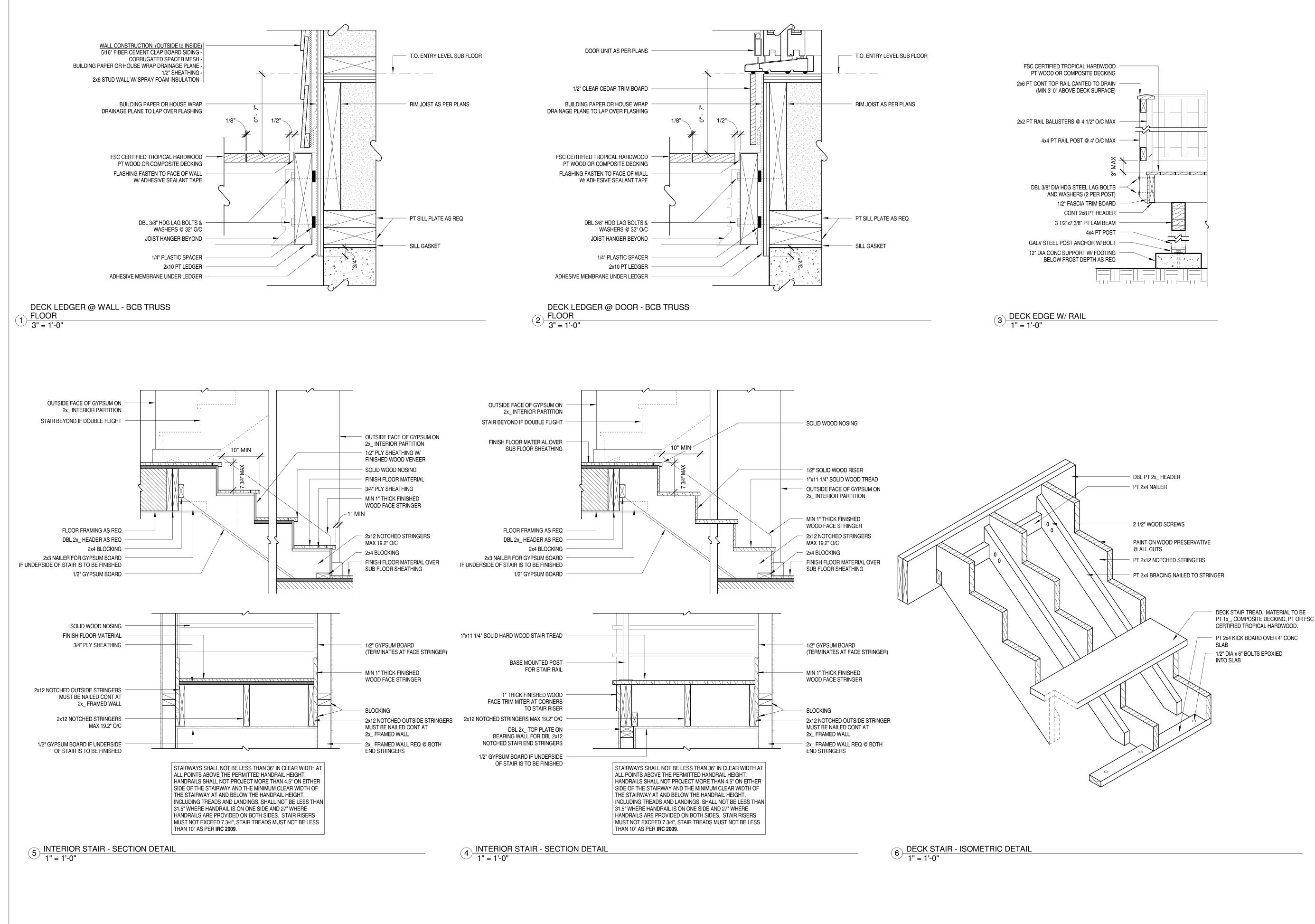
1/2"GYPSUM BOARD, FINISH

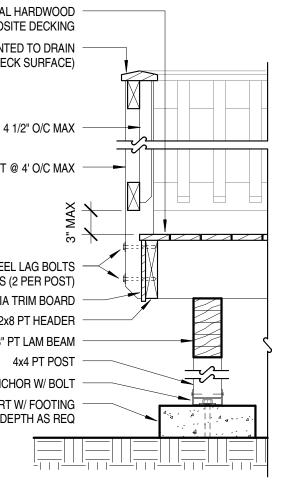
CAVITY INSULATION

1/2"SHEATHING

W/ SEMIPERMEABLE LATEX PAINT

2x6 STUD WALL W/ SPRAY FOAM





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NOTES:

REVISION SCHEDULE: Date Description No. PROJECT NAME:

NE COLONIAL

DETAILS 3

PROJECT NUMBER: DATE:

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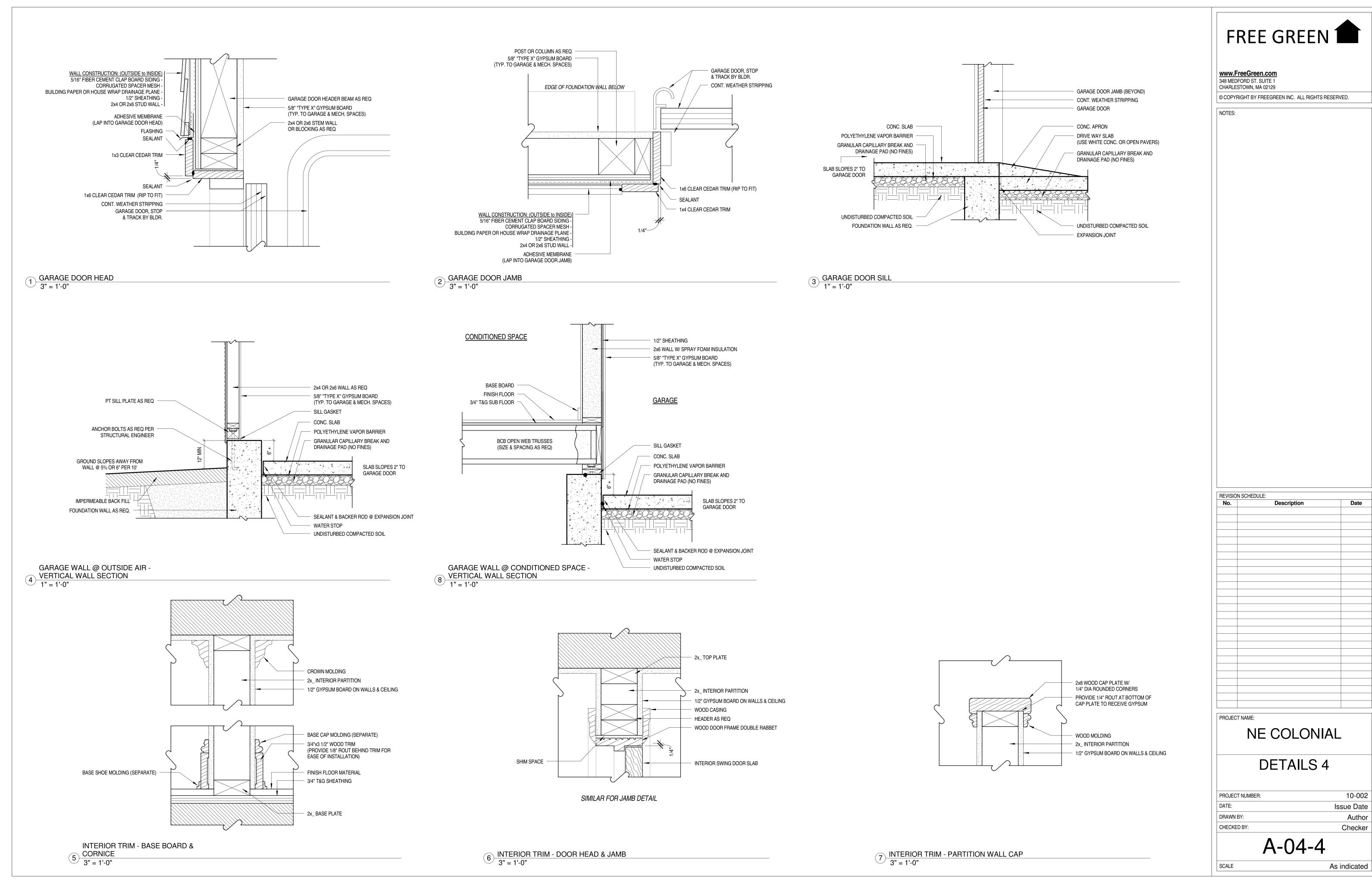
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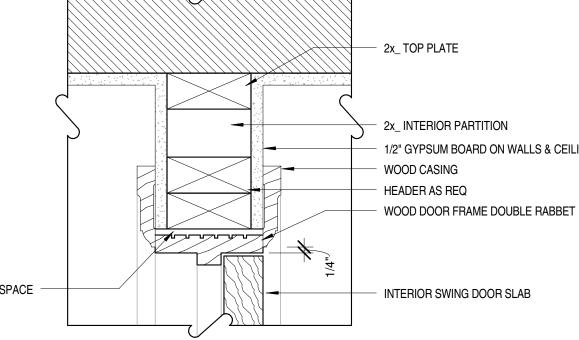
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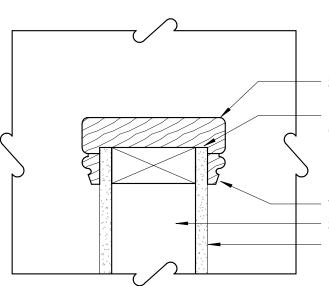
As indicated

A-04-3





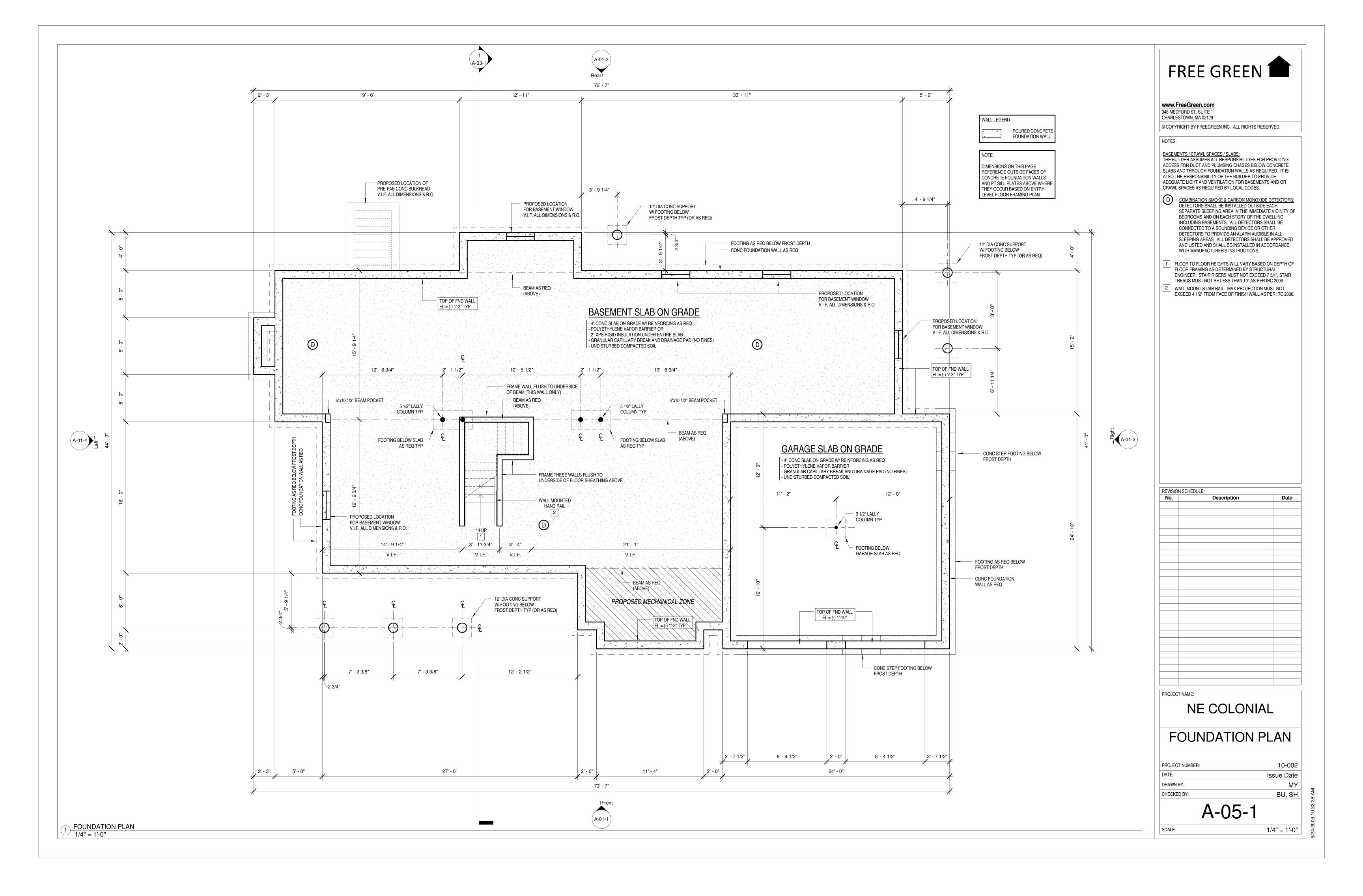


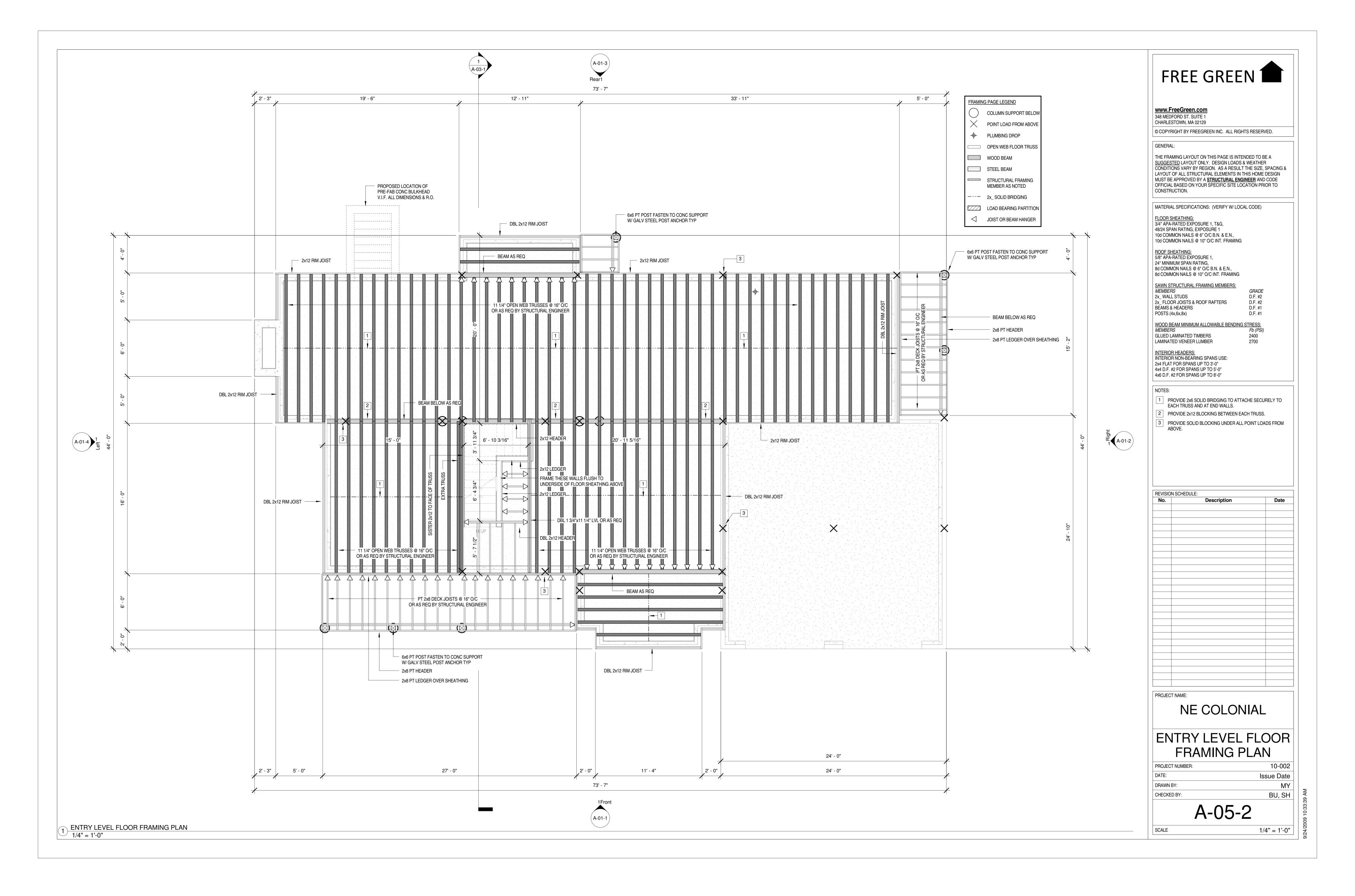


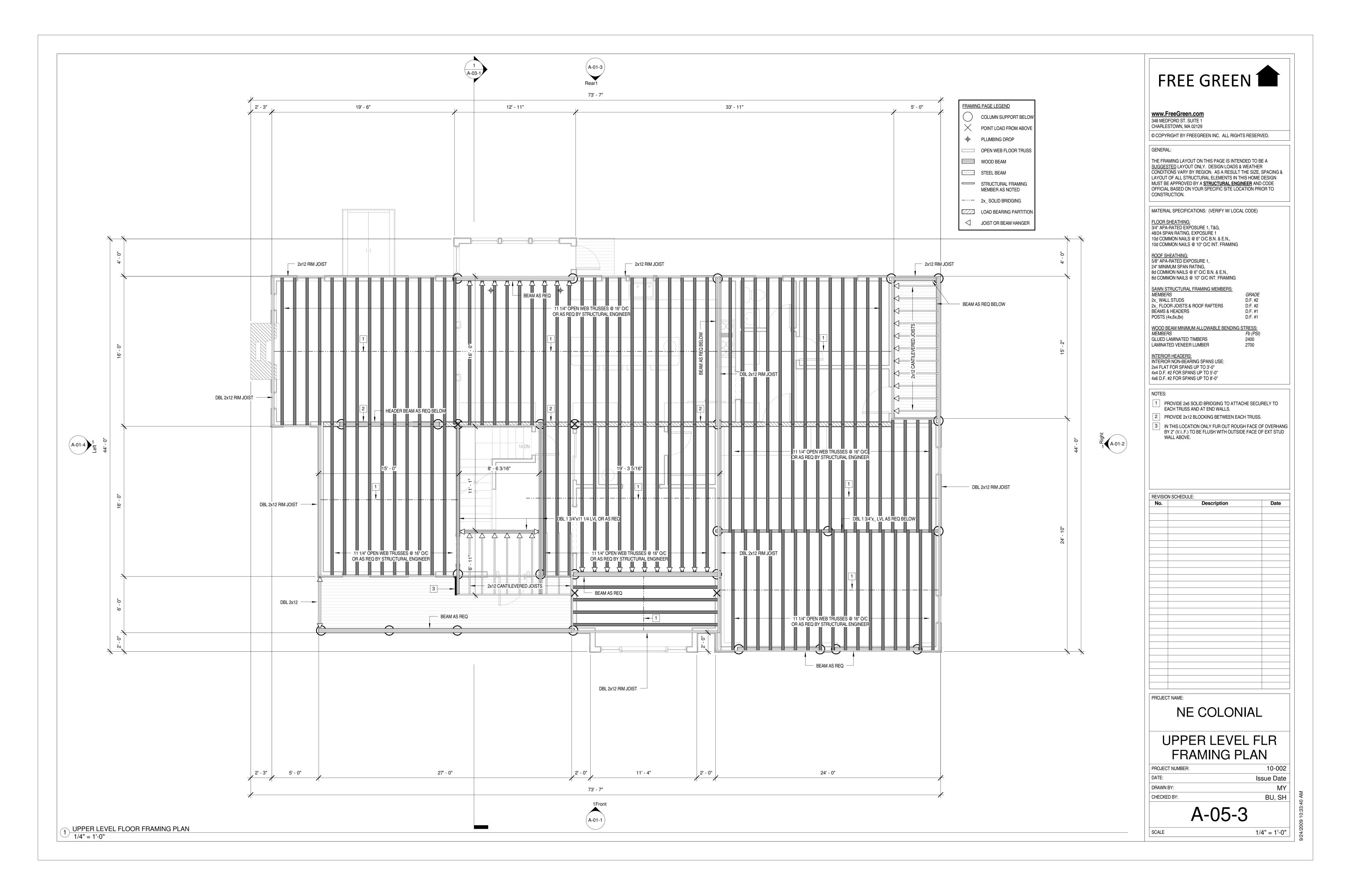
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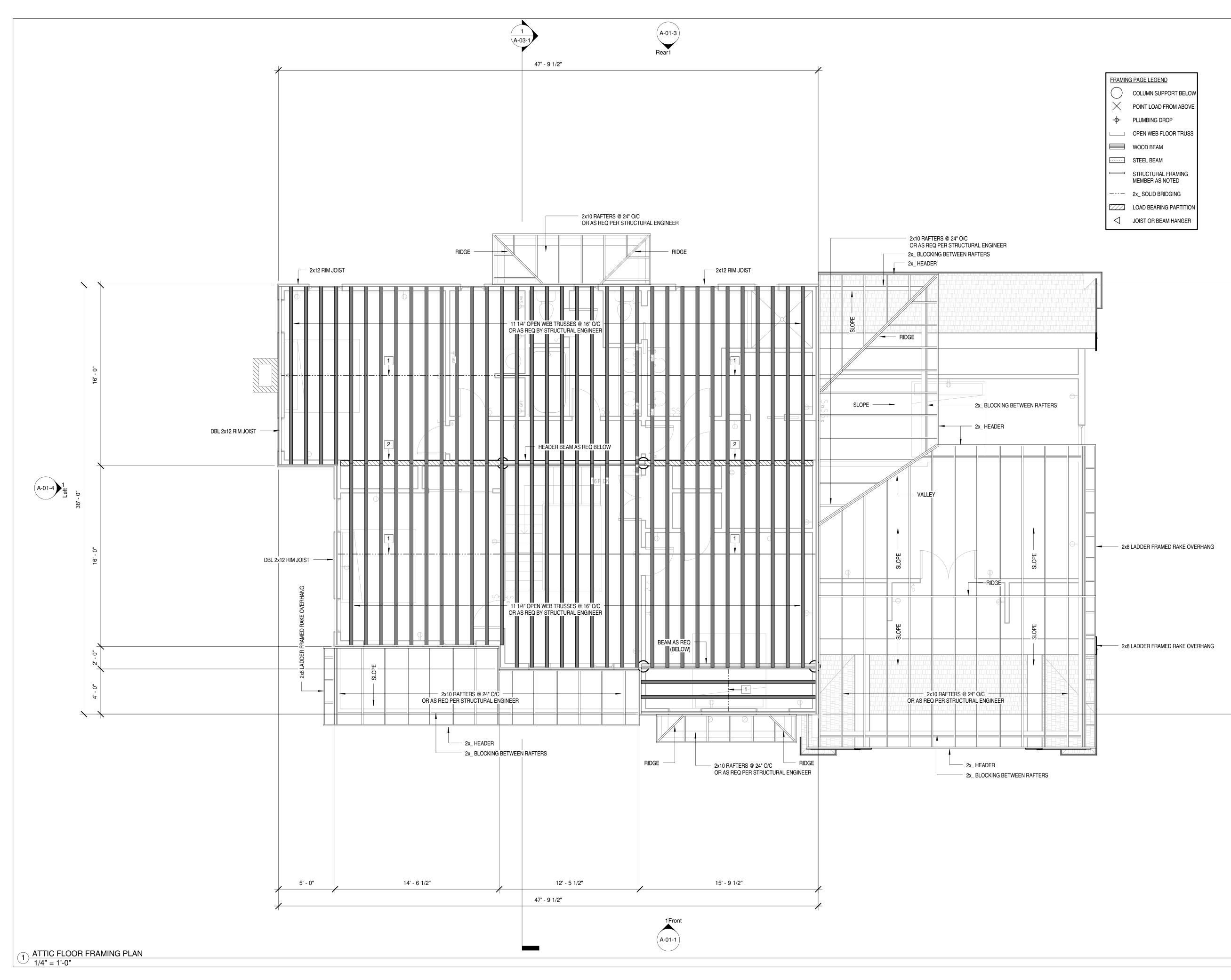
10-002 Issue Date Author Checker

Date









FRAMIN	<u>G PAGE LEGEND</u>
\bigcirc	COLUMN SUPPORT BELOW
\times	POINT LOAD FROM ABOVE
+	PLUMBING DROP
	OPEN WEB FLOOR TRUSS
	WOOD BEAM
	STEEL BEAM
	STRUCTURAL FRAMING MEMBER AS NOTED
	2x_SOLID BRIDGING
	LOAD BEARING PARTITION
\triangleleft	JOIST OR BEAM HANGER

A-01-2

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GENERAL:

THE FRAMING LAYOUT ON THIS PAGE IS INTENDED TO BE A <u>SUGGESTED</u> LAYOUT ONLY. DESIGN LOADS & WEATHER CONDITIONS VARY BY REGION. AS A RESULT THE SIZE, SPACING & LAYOUT OF ALL STRUCTURAL ELEMENTS IN THIS HOME DESIGN MUST BE APPROVED BY A <u>STRUCTURAL ENGINEER</u> AND CODE OFFICIAL BASED ON YOUR SPECIFIC SITE LOCATION PRIOR TO CONSTRUCTION.

MATERIAL SPECIFICATIONS: (VERIFY W/ LOCAL CODE)

FLOOR SHEATHING: 3/4" APA-RATED EXPOSURE 1, T&G,

48/24 SPAN RATING, EXPOSURE 1 10d COMMON NAILS @ 6" O/C B.N. & E.N., 10d COMMON NAILS @ 10" O/C INT. FRAMING

ROOF SHEATHING: 5/8" APA-RATED EXPOSURE 1,

24" MINIMUM SPAN RATING, 8d COMMON NAILS @ 6" O/C B.N. & E.N., 8d COMMON NAILS @ 10" O/C INT. FRAMING

SAWN STRUCTURAL FRAMING MEMBERS: MEMBERS 2x_WALL STUDS 2x_FLOOR JOISTS & ROOF RAFTERS BEAMS & HEADERS

GRADE D.F. #2 D.F. #2 D.F. #1 D.F. #1

WOOD BEAM MINIMUM ALLOWABLE BENDING STRESS: MEMBERS Fb (PSI) GLUED LAMINATED TIMBERS 2400 2700 LAMINATED VENEER LUMBER

INTERIOR HEADERS: INTERIOR NON-BEARING SPANS USE: 2x4 FLAT FOR SPANS UP TO 3'-0" 4x4 D.F. #2 FOR SPANS UP TO 5'-0" 4x6 D.F. #2 FOR SPANS UP TO 8'-0"

NOTES:

POSTS (4x,6x,8x)

- 1 PROVIDE 2x6 SOLID BRIDGING TO ATTACHE SECURELY TO EACH TRUSS AND AT END WALLS.
- 2 PROVIDE 2x12 BLOCKING BETWEEN EACH TRUSS.

REVISION SCHEDULE: Date No. Description

NE COLONIAL

A-05-4

ATTIC FLOOR

PROJECT NAME:

PROJECT NUMBER:

DATE:

SCALE

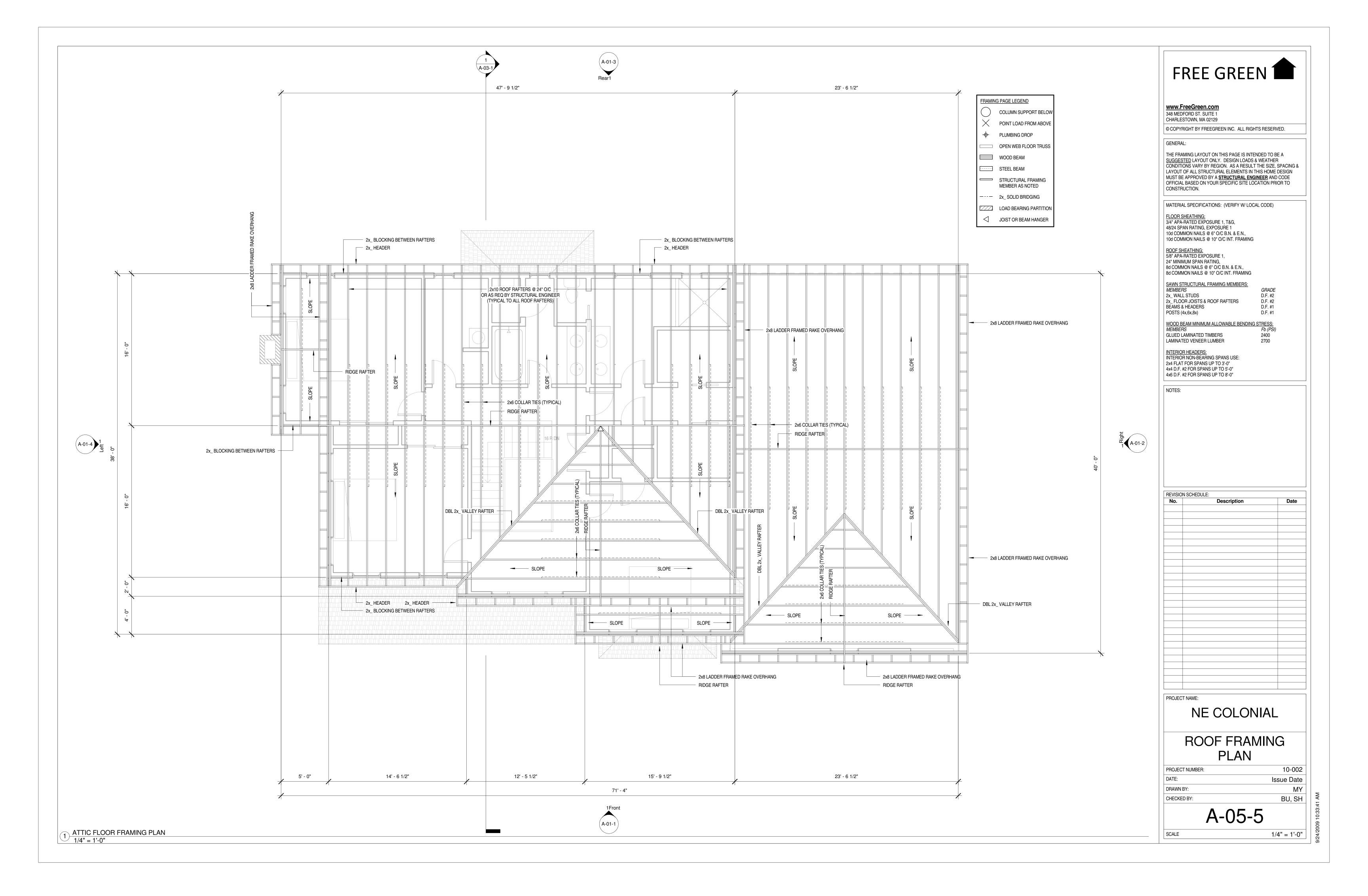
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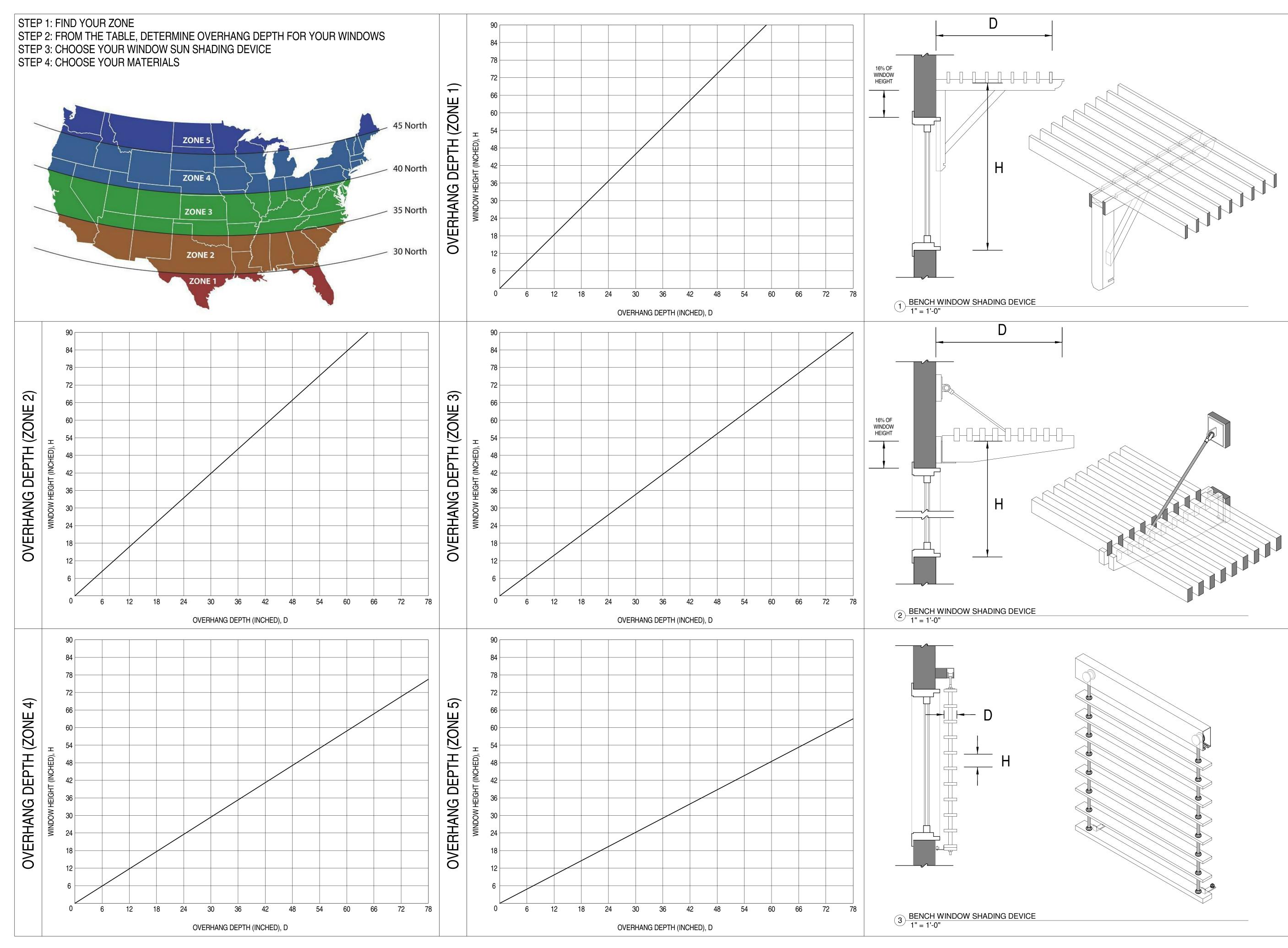
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FRAMING PLAN

10-002 Issue Date Author Checker

1/4" = 1'-0"





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ABOUT THIS PAGE:

EXTERNAL WINDOW SHADING DEVICES ARE AN EFFECTIVE METHOD FOR REDUCING HEAT GAINS THROUGH WINDOWS DURING SUMMER. IN FACT, EXTERNAL SHADING DEVICES CAN REDUCE HEAT GAINS BY UP TO 80% IF SIZED AND BUILT PROPERLY. WITH THIS IN MIND, FREEGREEN HAS CREATED THIS PAGE TO ASSIST HOME BUILDERS IN CONSTRUCTING EFFECTIVE WINDOW SHADING DEVICES. THE INFORMATION WE PROVIDE INCLUDES A ZONING MAP OF THE UNITED STATES, ZONING CHARTS FOR PROPER SIZING OF SHADING DEVICES AND A VARIETY OF SHADING DEVICE STYLES AND MATERIALS TO SUITE DIFFERENT TASTES AND DIFFERENT HOME DESIGNS.

MATERIAL SPECIFICATION:

WOOD TYPES:

- PRESSURE TREATED WESTERN RED CEDAR
- TROPICAL HARDWOOD (FSC CERTIFIED REQUIRED)
- ···· MAHOGANY MASSARANDUBA

HARDWARE:

ALL HARDWARE MUST BE EITHER HOT DIPPED GALVANIZED STEEL OR STAINLESS STEEL. FREEGREEN RECOMMENDS ONLY STAINLESS STEEL FOR HOUSE LOCATIONS IN CLOSE PROXIMITY TO THE OCEAN.

FINISHES:

IF USING PRESSURE TREATED WOOD SEAL & FINISH TO MATCH EXTERIOR WINDOW TRIM.

IF USING WESTERN RED CEDAR SEAL & FINISH TO MATCH EXTERIOR WINDOW TRIM

IF USING TROPICAL HARDWOOD FINISH MAY NOT BE REQUIRED. SEALING AND FINISHING OF TROPICAL HARDWOODS WILL VARY BY SPECIES. CONSULT WITH YOUR PROVIDER FOR RECOMMENDED FINISHES FOR ALL TROPICAL HARDWOOD PRODUCTS.

Description

PROJECT NAME:

REVISION SCHEDULE:

No.

NE COLONIAL

WINDOW SHADING DETAILS

A-06-1

PROJECT NUMBER: DATE:

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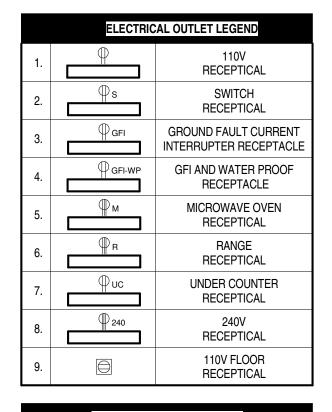
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10-002 Issue Date Author Checker

1" = 1'-0"

Date

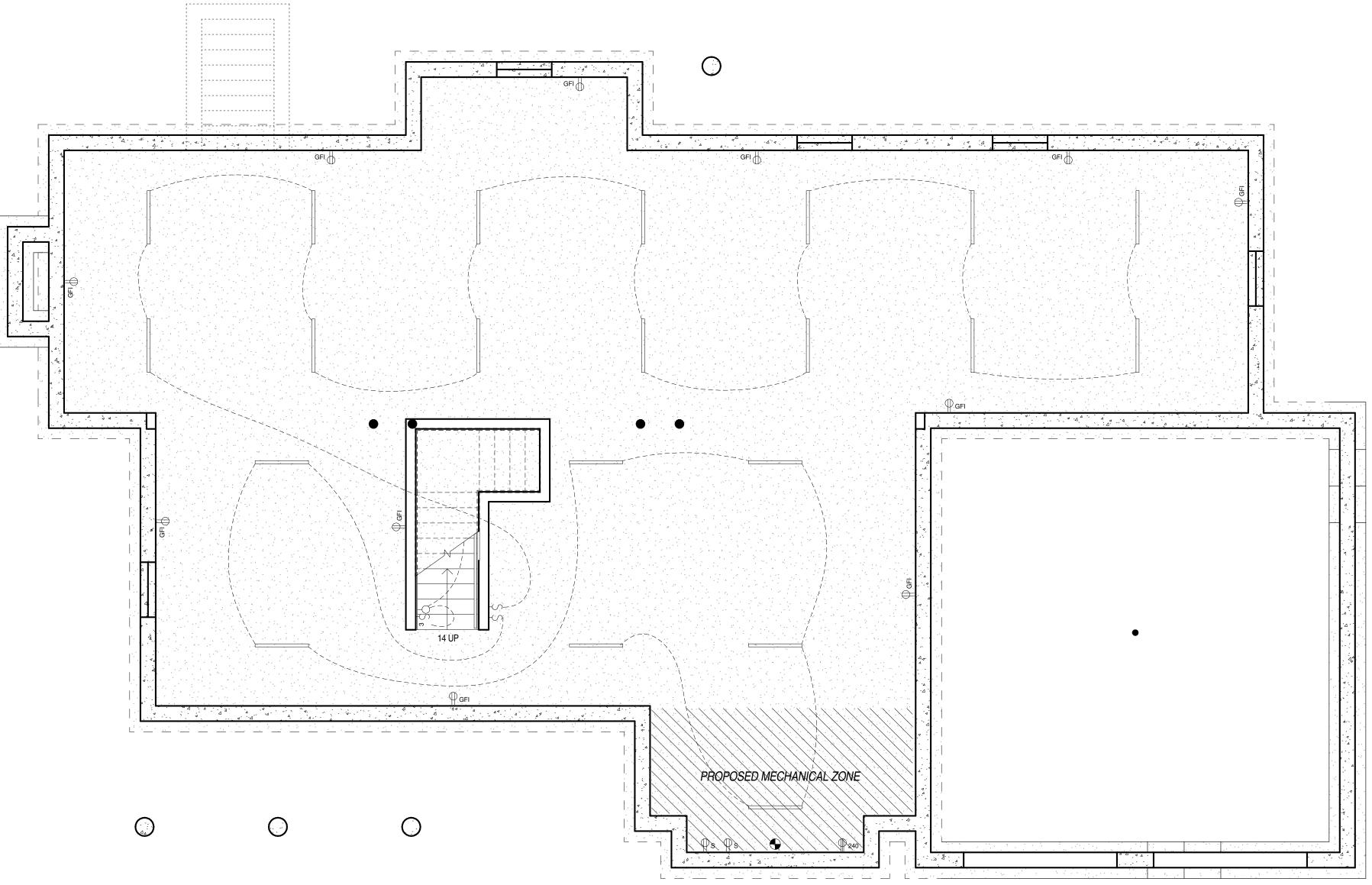


	ELECTRICAL SWITCH LEGEND			
10.	Ş	LIGHT SWITCH		
11.	Ş 2	DOUBLE LIGHT SWITCH		
12.	Ş 3	3-WAY LIGHT SWITCH		
13.	Ş d	DIMMER LIGHT SWITCH		
14.	Ş f	OCCUPANCY SENSOR FAN SWITCH		
15.	KR	KEY ROOM MASTER CONTROL		
16.	KS	KEY SCENE MASTER CONTROL		
17.	G	GRAPHIC EYE		

	MICELANEOUS ELECTRICAL SYMBOL LEGEND			
18.	T	THERMOSTAT		
19.	D	SMOKE & CARBON MONOXIDE DETECTOR		
20.	•	NATURAL GAS/PROPANE HOOKUP		
21.	₩C #P	MULTIMEDIA JACK (NETWORK/TV)		
22.	 ∏TEL	TELEPHONE JACK		
23.	↓ ○ DRBL	DOOR BELL		
24.	CHIME	DOOR BELL CHIME		
25.	⊨ # H20	ICE MAKER		
26.		CEILING FAN		

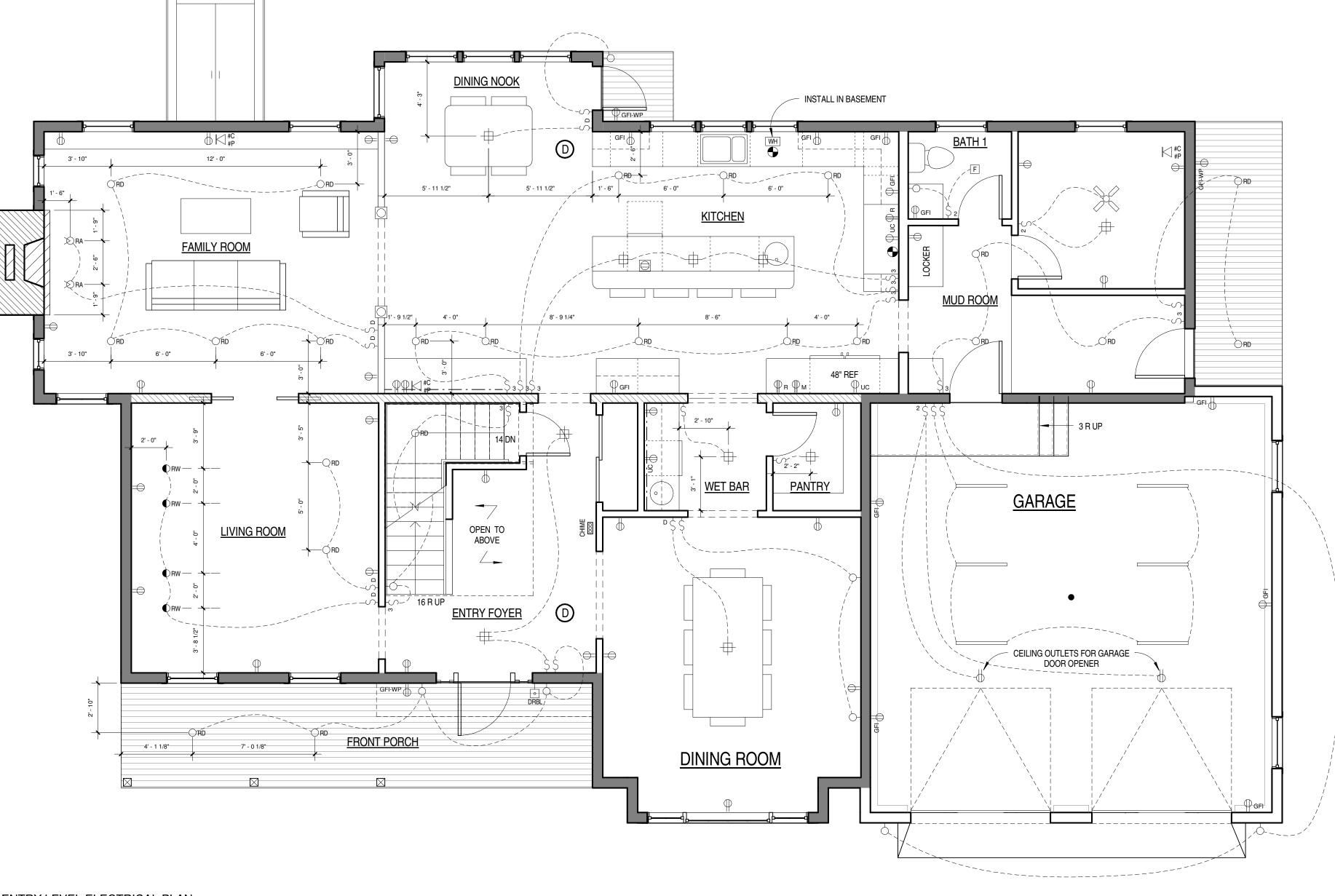
	LIGHTING LEGEND				
27.	⊖RD	RECESSED DOWN LIGHT			
28.	ORD-ES	RECESSED DOWN LIGHT ENERGY STAR RATED			
29.	€RW	RECESSED WALL WASHER			
30.)© RA	RECESSED ACCENT DIRECTIONAL			
31.	() RG	RECESSED GLASS			
32.	+	CEILING BOX			
33.	F	BATHROOM EXHAUST FAN			
34.	Ŷ	WALL MOUNTED FIXTURE			
35.		LED LINEAR			
36.		IN-WALL LED STEP LIGHT W/ REMOTE TIMER CONTROL			
37.		FLUORESCENT STRIP			
38.	WH	240V OR GAS TANKLESS HOT WATER HEATER			

ELECTRICAL SYMBOL LEGEND 1/4" = 1'-0"

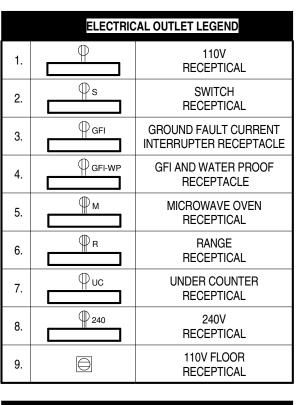


 $1 \frac{\text{SUB LEVEL ELECTRICAL PLAN}}{1/4" = 1'-0"}$

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NE COLONIAI SUB LEVEL ELECTRICAL PL	AN 10-002 ssue Date



 $1 \frac{\text{ENTRY LEVEL ELECTRICAL PLAN}}{1/4" = 1'-0"}$



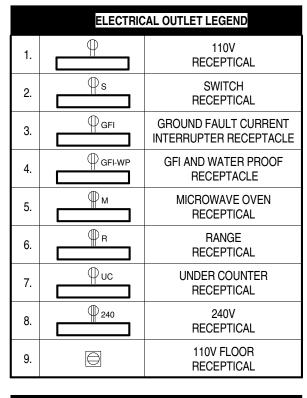
	ELECTRICAL SWITCH LEGEND			
10.	Ş	LIGHT SWITCH		
11.	Ş 2	DOUBLE LIGHT SWITCH		
12.	Ş <u>3</u>	3-WAY LIGHT SWITCH		
13.	ŞD	DIMMER LIGHT SWITCH		
14.	Ş f	OCCUPANCY SENSOR FAN SWITCH		
15.	KR	KEY ROOM MASTER CONTROL		
16.	KS	KEY SCENE MASTER CONTROL		
17.	G	GRAPHIC EYE		

	MICELANEOUS ELECTRICAL SYMBOL LEGEND				
18.	T	THERMOSTAT			
19.	D	SMOKE & CARBON MONOXIDE DETECTOR			
20.	•	NATURAL GAS/PROPANE HOOKUP			
21.	₩C #P	MULTIMEDIA JACK (NETWORK/TV)			
22.		TELEPHONE JACK			
23.	 ○ DRBL	DOOR BELL			
24.	CHIME	DOOR BELL CHIME			
25.	⊨ # H20	ICE MAKER			
26.		CEILING FAN			

LIGHTING LEGEND			
27.	⊖RD	RECESSED DOWN LIGHT	
28.	⊖ RD-ES	RECESSED DOWN LIGHT ENERGY STAR RATED	
29.	N W	RECESSED WALL WASHER	
30.)© RA	RECESSED ACCENT DIRECTIONAL	
31.	©RG	RECESSED GLASS	
32.	+	CEILING BOX	
33.	F	BATHROOM EXHAUST FAN	
34.	Ŷ	WALL MOUNTED FIXTURE	
35.	— · — · —	LED LINEAR	
36.		IN-WALL LED STEP LIGHT W/ REMOTE TIMER CONTROL	
37.		FLUORESCENT STRIP	
38.	WH	240V OR GAS TANKLESS HOT WATER HEATER	

ELECTRICAL SYMBOL LEGEND 1/4" = 1'-0"

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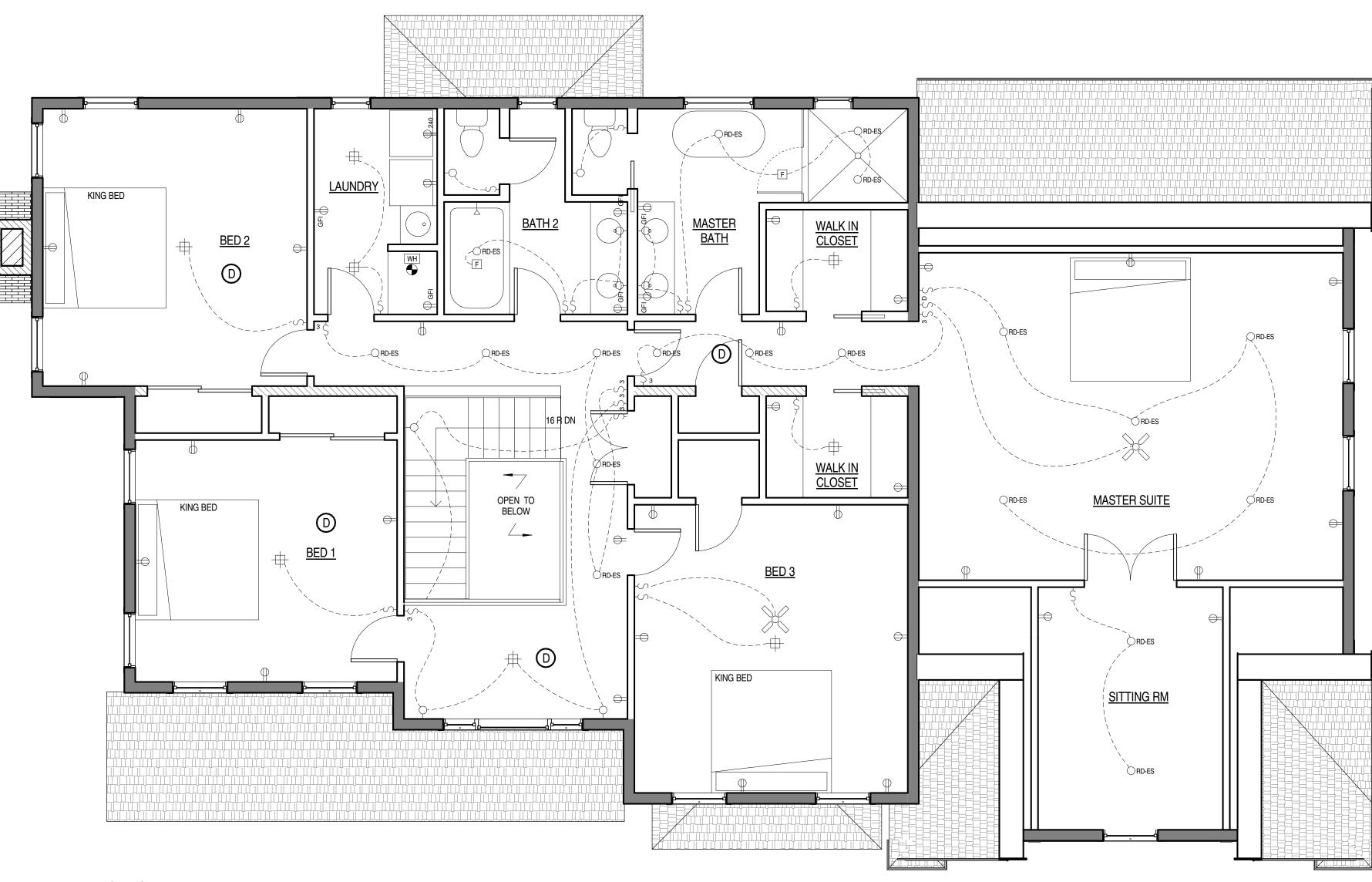


	ELECTRICAL SWITCH LEGEND		
10.	Ş	LIGHT SWITCH	
11.	Ş 2	DOUBLE LIGHT SWITCH	
12.	Ş 3	3-WAY LIGHT SWITCH	
13.	Ş d	DIMMER LIGHT SWITCH	
14.	Ş f	OCCUPANCY SENSOR FAN SWITCH	
15.	KR	KEY ROOM MASTER CONTROL	
16.	KS	KEY SCENE MASTER CONTROL	
17.	G	GRAPHIC EYE	

	MICELANEOUS ELECTRICAL SYMBOL LEGEND		
18.	T	THERMOSTAT	
19.	D	SMOKE & CARBON MONOXIDE DETECTOR	
20.	•	NATURAL GAS/PROPANE HOOKUP	
21.	₩C #P	MULTIMEDIA JACK (NETWORK/TV)	
22.	TEL	TELEPHONE JACK	
23.	 ○ DRBL	DOOR BELL	
24.	CHIME	DOOR BELL CHIME	
25.	⊨ # H20	ICE MAKER	
26.		CEILING FAN	

LIGHTING LEGEND				
27.	⊖rd	RECESSED DOWN LIGHT		
28.	⊖ RD-ES	RECESSED DOWN LIGHT ENERGY STAR RATED		
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34.	Ŷ	WALL MOUNTED FIXTURE		
35.	<u> </u>	LED LINEAR		
36.		IN-WALL LED STEP LIGHT W/ REMOTE TIMER CONTROL		
37.		FLUORESCENT STRIP		
38.	WH	240V OR GAS TANKLESS HOT WATER HEATER		

ELECTRICAL SYMBOL LEGEND 1/4" = 1'-0"



 $1 \frac{\text{UPPER LEVEL ELECTRICAL PLAN}}{1/4" = 1'-0"}$

