

COASTAL BEND GREEN BUILT



GREEN BUILDING INITIATIVE GUIDELINE SILVER CHECKLIST

(Please provide a check mark and method of compliance by your selection)

Builder Name: _____ Home Series: _____

Site Address _____

SITE

Select a minimum of <u>5</u>	When Verified	Responsible Party	How verified	X
S1. Identify goals with your team. Establish a knowledgeable team by identifying team member roles and writing a mission statement that includes project goals and objective.	Planning stage	Builder w/Checklist	Builder maintains file including builder or assigned person for CBGB program. Builder should identify Green Verifier team member. Provide green verifier how each element of program will be complied with.	
S2. Select the site to minimize environmental impact. Avoid environmentally sensitive areas identified through site foot printing process.	Planning	Builder/Developer	When building in an already developed subdivision, credit will be given.	
S3. Use infill lot. Infill is defined as vacant or underutilized lots of land served by existing physical installations such as roads, power lines, sewer, water and other infrastructure.	Planning	Builder/Developer	When building on an already developed subdivision. Credit will be given.	
S4. Use reasonable efforts to protect all trees during construction, including the use of tree fencing, limiting the amount of fill dirt on the root system and limiting any trenching around trees.	Pre-drywall inspection	Verifier or Builder	When building on already developed subdivision, verifier checks for presence of tree protection measures during regularly scheduled visits.	

S5. Create mulch out of clearing of vegetation	Pre-drywall inspection	Verifier or Builder	When building on an already developed subdivision lot, credit will be given. When building on undeveloped lot, verifier checks for evidence of mulching during pre-drywall inspection.	
S6. Minimize the site disruption by designating parking, equipment and material storage and staging away from root protection zones (SWPP)	Before Pre-drywall inspection	Builder	Builder designates parking and material staging areas at the worksite to protect any existing trees and minimize further soil compaction.	
S7. Provide surface drainage away from foundation.	Final inspection	Verifier or Builder	Determines surface drainage complies with 2004 IRC.	
S8. Conform to local or state regulations or implement EPA Best Management Practices for erosion and sedimentation control during construction.	Before Pre-drywall inspections	Verifier or Builder	Can be attested by builder providing a copy of NOI to Verifier during regularly scheduled visits to the subdivision.	

MATERIALS/RESOURCE EFFICIENCY

Select a minimum of <u>14</u>	When verified	Responsible Party	How verified	X
M1. Create an efficient floor plan that maintains a home's functionality.	Before Pre-drywall inspection	Verifier or Builder	Builder's floor plan/design considers the following concepts/tradeoffs in design, while maintaining functionality, architectural appeal and affordability: (1) Opportunities to minimize slab, wall, ceiling and window areas while maintaining architecturally appealing design and flow. (2) Placing AC equipment and ducts within conditioned space to maximize system efficiency. (3) Selection of materials and methods to reduce thermal bridging. (4) Minimizing roof pitch (minimizes present and future material requirements and increase wind resistance.	
M2. Use building layouts that maximize resources and minimize material cuts.	Before Pre-drywall inspection	Verifier or Builder	Builder demonstrates that home is designed for standard material sizes or that cut-off material will be re-utilized in another part of the house so that waste is minimized.	
M3. Create a detailed framing plan and material takeoffs.	Before Pre-drywall inspection	Verifier or Builder	Verifier sights builders framing plan/material takeoff sheet. Demonstrates by above methods that minimum required materials are brought to site so that waste is reduced.	
M4. Use materials requiring no additional finish resources to complete application onsite, i.e. pre-finished hardi, pre-painted hardi, vinyl siding and handrails.	Before Pre-drywall inspection	Verifier or Builder	Verifier sights presence of at least one product category. For each product 75% must be used throughout house. Must be finished painting.	
M5. Use pre-cut joist or pre-manufactured floor truss and studs.	Before Pre-drywall inspection	Verifier or Builder	Verifier sights presence of at least 75% of product category used through out house.	
M6. Provide covered entry	Pre-drywall or Final inspection	Verifier or Builder	Verifier sights presence of covered entry, minimum overhand of 4' required.	
M7. Use recommended-sized roof overhangs for climate (minimum 16")	Pre-drywall or Final inspection	Verifier or Builder	Verifier sights that distance from exterior wall to fascia board is at least 15.5".	
M8. Install drip edge at eaves	Before Pre-drywall inspection	Verifier or Builder	Verifier sights drip edge installed at final inspection at ALL eaves. Builder responsible for correct installation.	

M9. Maximize use of termite-resistant materials (i.e. hardi board, treated plates and/or termite shields)	Pre-drywall inspection	Verifier or Builder		
M10. Provide a water-resistant barrier behind the exterior veneer or siding.	Pre-drywall inspection	Builder	Builder verifies that a suitable water resistant barrier is installed behind the exterior veneer or siding as per manufacturer's instructions and building code. Photo evidence is recommended.	
M11. Employ and show on plans, all flashing details.	Planning	Verifier or Builder	Builder incorporates all flashing details in plan OR references written builder specifications on plans.	
M12. Conduct onsite recycling efforts.	Pre-drywall inspection	Verifier or Builder	Builder demonstrates or provides at least three examples of onsite recycling or re-utilization methods to prevent material waste.	
M13. Use materials manufactured from renewable resources, in interior construction (bamboo, cork, recycled glass, mdf, finger-jointed trim)	Pre-drywall inspection	Verifier or Builder	Verifier sights invoice and documentation of material content (provided by Builder). Builder to maintain evidence on file.	
M14. Reclaimed content materials or materials manufactured from renewable resources.	Pre-drywall or Final Inspection	Verifier or Builder	Verifier sights invoice and documentation of material content (provided by builder). Builder to maintain evidence on file.	
M15. Recycled or reclaimed content materials or materials manufactured from renewable resources are used for the exterior construction/structural framing or insulation (cellulose, OSB, fly ash).	Pre-drywall or Final Inspection	Verifier or Builder	Verifier sights invoice and documentation of material content (provided by builder). Builder to maintain evidence on file.	
M16. Use locally available, indigenous materials to minimize transportation and processing costs. Use materials common to local region (within a 300 mile radius).	Pre-drywall or Final inspection	Verifier or Builder	Verifier sights invoice and builder supplied documentation on manufacturing site. Builder to maintain evidence on file.	
M17. Use engineered lumber products to maximum extent possible to include trusses, joists, and finger-jointed dimensional lumber.	Before pre-drywall inspection	Verifier or Builder	Verifier sights presence of at least one product category. At least 75% of product category used throughout house must meet the requirement.	
M18. Use sustainable exterior cladding materials with minimum 25-year warranty (i.e. hardi, brick, stucco, stone, shingles, <u>appropriately rated vinyl siding.</u>	Before Pre-drywall inspection	Verifier or Builder	Verifier sights builder supplied warranty documentation for ALL exterior cladding materials (roof and walls).	
M19. Install a minimum of #30 roofing felt on entire roof for secondary moisture protection.	Before Pre-drywall inspection	Verifier or Builder	Builder show invoice of material used. <u>Photo evidence of roof covering prior to shingle recommended.</u>	

ENERGY

Must complete	When verified	Responsible Party	How verified	X
E1. Make sure home exceeds latest version of International Energy Conservation Code (2004/ECC) by 15% <u>or</u> be a certified ENERGY STAR® home; third party documentation required. HERS 85 or less.	Final Inspection	Verifier	Verifier sights Energy Star label for the home and completed thermal bypass inspection checklist if method other than Energy Star was used.	

ENERGY

Select a minimum of <u>8</u>	When verified	Responsible Party	How verified	X
W1. Utilize water efficient sink fixtures: Kitchen/Utility (2.2 gpm or less) Lavatory (2.0 gpm or less)	Before Pre-Drywall Inspection	Verifier or Builder	Verifier sights Builder supplied documentation showing ALL materials meet the requirement OR have plumbing contractor provide a written statement that all requirements are met. Flow testing by Verifier NOT required	
W2. Install low-flow toilets (1.6 gallons/flush or less)	Final Inspection	Verifier or Builder	Verifier sights builder supplied documentation showing ALL materials meet the requirement OR have plumbing contractor provide a written statement that requirements are met. Flow testing by Verifier NOT required.	
W3. Locate water heaters <u>or</u> storage tank within 30 feet of fixture <u>or</u> install hot-water-on-demand system <u>or</u> tankless water heaters <u>or</u> manifold plumbing systems utilizing tubing (for single family detached homes).	Pre-drywall inspection	Verifier or Builder	Verifier sights presence of method used for compliance OR have plumbing contractor provide written statement that all requirements are met.	
W4. The dishwasher is an ENERGY STAR® labeled product.	Final Inspection	Verifier or Builder	Verifier visually confirms presence of ENERGY STAR® label on dishwasher of builder supplied documentation showing dishwasher is on the ENERGY STAR® "approved" list if unit is not labeled.	
W5. Utilize only water conserving and regionally appropriate turf (i.e. flouora-tam). If parts of the yard will not receive turf at time of sale, provide homeowner education on recommended turf varieties for the area.	Final Inspection	Verifier or Builder	Verifier sights builder supplied documentation. Recommend turf supplier provide certification statement stating ALL installed turf is appropriate for the area.	
W6. Divert water away from foundation and into landscape areas.	Final Inspection	Verifier or Builder	Verifier or builder sights that, in their opinion, reasonable efforts were made to capture water runoff into landscape areas away from the foundation.	
W7. Install low-flow shower heads 2.5 gpm total)	Final Inspection	Verifier or Builder	Verifier sights builder supplied documentation showing ALL fixtures meet the requirement OR plumber may provide a written statement that all requirements are met. Flow testing by Verifier NOT required. Confirmation of fixture performance must be sent to verifier at least twice annually.	
W8. Limit landscape to drought tolerant varieties. See attached Xeriscape list from the City of Corpus Christi Website.	Final Inspection	Verifier or Builder	Verifier sights builder supplied documentation. Recommend landscape provider provide certification statement that ALL supplied landscape plants meet Xeriscape requirements.	
W9. Install mulch (3-4" deep minimum) around plants and include bed covering (utilize City of Corpus Christi mulch program).	Final Inspection	Verifier or Builder	Verifier or builder sights presence of mulch to the required depth.	
W10. Irrigation system zoned separately for turf and bedding areas.	Final Inspection	Verifier or Builder	Builder or landscaping professional must clearly denote separate zoning on irrigation control box. Verifier confirms separate zoning indicated on control box. Alternatively, the LICENSED installer may provide certification statement indicating all requirements are met.	

W11. Install rain sensors <u>or</u> weather forecast based irrigation controller	Final Inspection	Verifier or Builder	Verifier or builder sights presence of mulch to the required depth.	
W12. Downspouts, in installed, must drain onto a pervious surface (turf or landscaping) at least 3 feet from structure.	Final Inspection	Verifier or Builder	Verifier or builder sights compliance at final inspection.	

INDOOR AIR QUALITY/MOISTURE CONTROL/HEALTH

Select a minimum of <u>10</u>	When verified	Responsible Party	How verified	X
IA1. Provide power sealed combustion or mechanical/induced venting providing fresh combustion air <u>for gas furnaces and water heaters</u> located inside conditioned spaces <u>or</u> no gas appliances installed in conditioned space.	Final Inspection	Verifier or Builder	Verifier sights presence of requirements during final inspection. Licensed AC/Plumbing contractors may provide certification statement that product meets the requirement.	
IA2. Vent kitchen range hoods to exterior.	Pre-sheetrock	Verifier or Builder	Verifier sights range vent pipe routed to exterior at Pre-sheetrock.	
IA3. Use 2" pleated paper filters for central air conditioners or install whole house Media filter (minimum MERV 11). <u>No "ozone" type filters allowed.</u>	Final Inspection	Verifier or Builder	Verifier sights presence of product during final inspection. Product must be clearly labeled or builder documentation is required.	
IA4. For homes with gas appliances <u>or</u> attached garage, install one carbon monoxide detector with American Gas Association (AGA) IAS 696 Blue Star Certification Seal every 1,000 sq. ft. (near bedrooms) at a minimum of one per floor.	Final Inspection	Verifier or Builder	Verifier sights presence of products during final inspection. Product must be clearly labeled or builder documentation required.	
IA5. Any fireplace installed must have combustion air direct from exterior <u>or no</u> fireplace installed.	Final Inspection	Verifier or Builder	Verifier sights presence of requirements during final inspection. System installer may provide certification statement that product meets the requirement.	
IA6. Cover ducts during construction <u>or</u> clean before first use.		Verifier or Builder	Verifier sights suitable covering over AC ducts at Pre-drywall inspection <u>or</u> builder documentation that duct system has been cleaned at Final Inspection.	
IA7. Choose low-VOC interior paint, sealants and adhesives	Final Inspection	Verifier or Builder	Builder supplies documentation that at least 80% of products are low VOC.	
IA8. Use Carpet and Rug Institute's Green Label certified carpet on at least 50% of the flooring in the living space. If at least 50% of living space is hard surface, standard carpeting may be used.	Final Inspection	Verifier or Builder	Builder supplies documentation that carpets/rugs are "Green Label" certified, if required. Builder provides Verifier with square footage of hard surface products and carpet prior to final inspection.	
IA9. Ensure particleboard, medium density fiberboard (MDF) and hardwood plywood substrates are certified to low formaldehyde emission standards.	Final Inspection	Verifier or Builder	Builder supplies invoices and supplier documentation showing that at least 90% of product category used in the house meet the requirement.	
IA10. Ensure proper flashing at windows and doors.	During Construction	Builder	Builder ensures all windows and doors are flashed as per appropriate building material specifications and building codes. <u>Photo evidence is recommended.</u>	