

Your Inspection Report

1112 13th St Galveston, TX 77550



PREPARED FOR:

BUDDY SPARKS

INSPECTION DATE:

Sunday, June 14, 2020

PREPARED BY:

Charles Lehnhoff



ENVIROGYN





Sphaerus Inspections 617 8th Ave N Texas City, TX 77590

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THE NEW HOME OF HOME INSPECTIONS

PROPERTY INSPECTION REPORT

Buddy Sparks	
(Name of Client)	
_1112 13th St, Galveston, TX	
(Address or Other Identification of I	nspected Property)
Charles Lehnhoff	Sun, Jun 14, 2020
(Name and License Number of Inspector)	(Date)
License #23070	
(Name, License Number of Sponsoring Inspector)	
	(Name of Client) 1112 13th St, Galveston, TX (Address or Other Identification of Inc.) Charles Lehnhoff (Name and License Number of Inspector) License #23070

PURPOSE, LIMITATIONS AND INSPECTOR / CLIENT RESPONSIBILITIES

This property inspection report may include an inspection agreement (contract), addenda, and other information related to property conditions. If any item or comment is unclear, you should ask the inspector to clarify the findings. It is important that you carefully read ALL of this information.

This inspection is subject to the rules ("Rules") of the Texas Real Estate Commission ("TREC"), which can be found at www.trec.texas.gov.

The TREC Standards of Practice (Sections 535.227-535.233 of the Rules) are the minimum standards for inspections by TREC-licensed inspectors. An inspection addresses only those components and conditions that are present, visible, and accessible at the time of the inspection. While there may be other parts, components or systems present, only those items specifically noted as being inspected were inspected. The inspector is NOT required to turn on decommissioned equipment, systems, utility services or apply an open flame or light a pilot to operate any appliance. The inspector is NOT required to climb over obstacles, move furnishings or stored items. The inspection report may address issues that are code-based or may refer to a particular code; however, this is NOT a code compliance inspection and does NOT verify compliance with manufacturer's installation instructions. The inspection does NOT imply insurability or warrantability of the structure or its components. Although some safety issues may be addressed in this report, this inspection is NOT a safety/code inspection, and the inspector is NOT required to identify all potential hazards.

In this report, the inspector shall indicate, by checking the appropriate boxes on the form, whether each item was inspected, not inspected, not present or deficient and explain the findings in the corresponding section in the body of the report form. The inspector must check the Deficient (D) box if a condition exists that adversely and materially affects the performance of a system or component or constitutes a hazard to life, limb or property as specified by the TREC Standards of Practice. General deficiencies include inoperability, material distress, water penetration, damage, deterioration, missing components, and unsuitable installation. Comments may be provided by the inspector whether or not an item is deemed deficient. The inspector is not required to prioritize or emphasize the importance of one deficiency over another.

Some items reported may be considered life-safety upgrades to the property. For more information, refer to Texas Real Estate Consumer Notice Concerning Recognized Hazards or Deficiencies below.

THIS PROPERTY INSPECTION IS NOT A TECHNICALLY EXHAUSTIVE INSPECTION OF THE STRUCTURE, SYSTEMS OR COMPONENTS. The inspection may not reveal all deficiencies. A real estate inspection helps to reduce some of the risk involved in purchasing a home, but it cannot eliminate these risks, nor can the inspection anticipate future events or changes in performance due to changes in use or occupancy. It is recommended that you obtain as much information as is available about this property, including any seller's disclosures, previous inspection reports, engineering reports, building/remodeling permits, and reports performed for or by relocation companies, municipal inspection departments, lenders, insurers, and appraisers. You should also attempt to determine whether repairs, renovation, remodeling, additions, or other such activities have taken place at this property. It is not the inspector's responsibility to confirm that information obtained from these sources is complete or accurate or that this inspection is consistent with the opinions expressed in previous or future reports.

ITEMS IDENTIFIED IN THE REPORT DO NOT-OBLIGATE ANY PARTY TO MAKE REPAIRS OR TAKE OTHER ACTIONS, NOR IS THE PURCHASER REQUIRED TO REQUEST THAT THE SELLER TAKE ANY ACTION. When a deficiency is reported, it is the client's responsibility to obtain further evaluations and/or cost estimates from qualified service professionals. Any such follow-up should take place prior to the expiration of any time limitations such as option periods.

Promulgated by the Texas Real Estate Commission (TREC) P.O. Box 12188, Austin, TX 78711-2188 (http://www.trec.texas.gov).

(512) 936-3000

Report Identification: 1112 13th St, Galveston, TX June 14, 2020 Report No. 1242

Evaluations by qualified tradesmen may lead to the discovery of additional deficiencies which may involve additional repair costs. Failure to address deficiencies or comments noted in this report may lead to further damage of the structure or systems and add to the original repair costs. The inspector is not required to provide follow-up services to verify that proper repairs have been made.

Property conditions change with time and use. For example, mechanical devices can fail at any time, plumbing gaskets and seals may crack if the appliance or plumbing fixture is not used often, roof leaks can occur at any time regardless of the apparent condition of the roof, and the performance of the structure and the systems may change due to changes in use or occupancy, effects of weather, etc. These changes or repairs made to the structure after the inspection may render information contained herein obsolete or invalid. This report is provided for the specific benefit of the client named above and is based on observations at the time of the inspection. If you did not hire the inspector yourself, reliance on this report may provide incomplete or outdated information. Repairs, professional opinions or additional inspection reports may affect the meaning of the information in this report. It is recommended that you hire a licensed inspector to perform an inspection to meet your specific needs and to provide you with current information concerning this property.

TEXAS REAL ESTATE CONSUMER NOTICE CONCERNING HAZARDS OR DEFICIENCIES

Each year, Texans sustain property damage and are injured by accidents in the home. While some accidents may not be avoidable, many other accidents, injuries, and deaths may be avoided through the identification and repair of certain hazardous conditions. Examples of such hazards include:

- malfunctioning, improperly installed, or missing ground fault circuit protection (GFCI) devices for electrical receptacles in garages, bathrooms, kitchens, and exterior areas;
- malfunctioning arc fault protection (AFCI) devices;
- ordinary glass in locations where modern construction techniques call for safety glass;
- malfunctioning or lack of fire safety features such as smoke alarms, fire-rated doors in certain locations, and functional emergency escape and rescue openings in bedrooms;
- malfunctioning carbon monoxide alarms;
- excessive spacing between balusters on stairways and porches;
- improperly installed appliances;
- improperly installed or defective safety devices;
- lack of electrical bonding and grounding; and
- lack of bonding on gas piping, including corrugated stainless steel tubing (CSST).

To ensure that consumers are informed of hazards such as these, the Texas Real Estate Commission (TREC) has adopted Standards of Practice requiring licensed inspectors to report these conditions as "Deficient" when performing an inspection for a buyer or seller, if they can be reasonably determined.

These conditions may not have violated building codes or common practices at the time of the construction of the home, or they may have been "grandfathered" because they were present prior to the adoption of codes prohibiting such conditions. While the TREC Standards of Practice do not require inspectors to perform a code compliance inspection, TREC considers the potential for injury or property loss from the hazards addressed in the Standards of Practice to be significant enough to warrant this notice.

Contract forms developed by TREC for use by its real estate licensees also inform the buyer of the right to have the home inspected and can provide an option clause permitting the buyer to terminate the contract within a specified time. Neither the Standards of Practice nor the TREC contract forms require a seller to remedy conditions revealed by an inspection. The decision to correct a hazard or any deficiency identified in an inspection report is left to the parties to the contract for the sale or purchase of the home.

INFORMATION INCLUDED UNDER "ADDITIONAL INFORMATION PROVIDED BY INSPECTOR", OR PROVIDED AS AN ATTACHMENT WITH THE STANDARD FORM, IS NOT REQUIRED BY THE COMMISSION AND MAY CONTAIN CONTRACTUAL TERMS BETWEEN THE INSPECTOR AND YOU, AS THE CLIENT. THE COMMISSION DOES NOT REGULATE CONTRACTUAL TERMS BETWEEN PARTIES. IF YOU DO NOT UNDERSTAND THE EFFECT OF ANY—CONTRACTUAL TERM CONTAINED IN THIS SECTION OR—ANY ATTACHMENTS, CONSULT AN ATTORNEY.

ADDITIONAL INFORMATION PROVIDED BY INSPECTOR

Report Identification: 1112 13th St, Galveston, TX June 14, 2020 Report No. 1242 I=Inspected NI=Not Inspected **NP=Not Present** D=Deficient NI NP D I. STRUCTURAL SYSTEMS A. Foundations Type of Foundation(s): Pier and beam Foundation Performance Opinion: Further evaluation by a specialist is recommended. Performing as intended Comments: General notes: Bowed, bulging or leaning Notes: Missing garage column may cause settlement. Location(s): Right Side Middle Columns or piers: Missing Location(s): Front Middle Garage Columns or piers: Insect damage Location(s): Front Left Side Garage . Crawlspace ventilation: Inadequate Location(s): Various Throughout Garage Overview: Recommendation: Monitor for settlement or consult with a licensed Replaced column engineer about a missed column within the garage space. B. Grading and Drainage Comments: Gutters and Downspouts: Missing Location(s): Throughout C. Roof Covering Materials Types of Roof Covering: Asphalt shingles Viewed From: A ladder at the edge of the roof Comments: Asphalt shingles: Exposed fasteners Location(s): Various Asphalt shingles: Tree branches touching roof Location(s): Various Roof/sidewall flashings: Loose, damaged, patched, open seams Location(s): Rear Right Roof Pipe/stack flashings: Damage Location(s): Rear Middle Roof Roof/sidewall flashings: Kickout flashing - missing Notes: Kickout flashing needs improvement Location(s): Various Pipe/stack flashings: Vertically misaligned Location(s): Rear Left Side Roof Modified bitumen: Aging Location(s): Rear Left Side Roof Modified bitumen: Damage, punctures, tears Location(s): Rear Left Side Roof Modified bitumen: Patched Location(s): Rear Roof Modified bitumen: Tree branches touching roof Location(s): Rear Exterior Overview: Recommendation: Flat roof may be in deed of repair soon. Monitor Recommendation: Replace pipe/roof jacks with new installations to prevent any water damage or leaking. D. Roof Structures and Attics Approximate Average Depth of Insulation: Not determined Comments: E. Walls (Interior and Exterior)

Report Identification: 1112 13th St, Galveston, TX June 14, 2020 Report No. 1242 I=Inspected NI=Not Inspected NP=Not Present D=Deficient I NI NP D Comments: Plaster or drywall: Typical flaws Location(s): Various Plywood, hardboard, and OSB (Oriented Strand Board): Mechanical damage Location(s): Throughout Garage Wood siding: Too close to grade Location(s): Various Throughout Exterior Wall Wood siding: Too close to grade Location(s): Front Yard Soffits (underside of eaves) and fascia (front edge of eaves): Vents - ineffective / missing Location(s): Various Throughout Exterior Overview: Recommendation: Consult with licensed applicator for possible insect resolved seedisclaimer infestation. Recommendation: Repair any rotted wood around exterior of home. Caulk and seal.

Recommendation: Add caps to exterior windows and doors. Also well Overview: Recommendation: Add backflow prevention to resolved dishwasher. Recommendation: Monitor for insect penetration throughout structure internally. Moderated Recommendation: Paint caulk and seal any wood or loos trim throughout. Sheathing/Subflooring: Buckled Location(s): Middle Garage
Wood/laminate floors: Stained Location(s): Front Right Porch

G. Doors (Interior and Exterior)

Comments: Comments: Hardware: Latch not effective on exterior door Location(s): Left Side Hall Medical Exterior drip caps: Missing Location(s): Rear Exterior Porch / Les lucal Doors and frames: Loose or poor fit Location(s): Garage Exterior trim: Paint or stain needed Location(s): Rear Exterior Porch Losolved H. Windows Comments: Glass (glazing): Safety glass not installed Location(s): Various Throughout Exterior drip caps/Drip cap flashing/Head flashing: Missing Location(s): Various resolved Exterior Storms and screens: Torn or holes Location(s): Various Storms and screens: Missing Location(s): Various I. Stairways (Interior and Exterior) Comments: Stairs and landings: Stair rise too big or not uniform Location(s): Front Left Side Yard | Various Throughout Exterior J. Fireplaces and Chimneys

Report Identification: 1112 13th St, Galveston, TX June 14, 2020 Report No. 1242 I=Inspected NI=Not Inspected NP=Not Present D=Deficient I NI NP D Comments: K. Porches, Balconies, Decks, and Carports Comments: Joists: Rot or insect damage Location(s): Various Throughout Front Porch Handrails and guards: Missing Location(s): Rear Exterior Porch Roof structure: Rot or insect damage Location(s): Front Porch Joists: Damage Location(s): Left Side Exterior Staircase Handrails and guards: Ineffective Location(s): Front Left Side Yard Floors: Paint or stain needed Location(s): Front Porch Handrails and guards: Openings between spindles (balusters) too large Location(s): Various | Front Side Porch Handrails and guards: Spindles (balusters) climbable Location(s): Various Throughout Exterior Staircase Beams: Rot or insect damage Location(s): Front Left Side Porch L. Other Comments: II. ELECTRICAL SYSTEMS A. Service Entrance and Panels resolved Comments: Service drop: Branches / vines interfering with wires Location(s): Front Yard Service mast and conductors: Wires too close to roof Location(s): Front Left Side Exterior Roof Distribution fuses/breakers: Fuses or breakers too big Location(s): Left Side Exterior Wall Distribution panel: Poor access Location(s): Left Side Exterior Wall Service box: Unprotected openings Location(s): Left Side Exterior Wall Panel wires: White wires connected to breakers not identified as hot/live/ungrounded Location(s): Left Side Exterior Wall Overview: Recommendation: Replace outdoor outlets with bubble resolved covers Recommendation: Replace GFCIs in proper locations (outdoor, bathrooms, resolved kitchen, garages, etc.) Recommendation: Make sure there are no openings in distribution panel. Recommendation: Make sure AC amperage matches breaker size. resolved. B. Branch Circuits, Connected Devices, and Fixtures Type of Wiring: Copper - non-metallic sheathed Wiring - damaged or exposed: Exposed on walls or ceilings Location(s): Front Porch
Junction boxes: Cover loose or missing Location(s): Various Collings
Lighter Income. Lights: Inoperative Location(s): Various Garage

Report Identification: 1112 13th St, Galveston, TX June 14, 2020 Report No. 1242 I=Inspected NI=Not Inspected **NP=Not Present D**=Deficient NI NP D Outdoor wiring: Wires too close to grade Location(s): Middle Porch Switches: Faulty Location(s): Garage Lights: Missing Location(s): Middle Room Outlets (receptacles): Not suitable for outdoor (exterior) use Notes: Bubble covers for all outdoor outlets are needed for current building standards Location(s): Various Exterior Switches: Inoperative Location(s): Front Left Side Garage Outlets (receptacles): No GFCI/GFI (Ground Fault Circuit Interrupter) Location(s): Various Throughout Exterior III. HEATING, VENTILATION AND AIR CONDITIONING SYSTEMS A. Heating Equipment Type of Systems: Furnace, Central air Energy Sources: Gas Comments: Venting system: Poor connections Location(s): Garage Gas piping: No drip leg (sediment trap, dirt pocket) Location(s): Garage resolved Overview: Recommendation: Add gad piping drip leg to heater. **B.** Cooling Equipment Type of Systems: Central air Comments: Condensate system: Pan leaking Location(s): Garage Compressor: Excess electric current draw Location(s): Left Side Exterior Wall Evaporator coil: Dirty Location(s): Rear Left Side Exterior Wall Condensate drain line: Blocked or crimped Location(s): Garage Overview: Recommendation: Repair and replace disconnected and leaking ducting under the home. Recommendation: Clean and re-plumb condensate lines for primary and Recommendation: Make sure amperage for AC correlates to breaker size.

C. Duct Systems, Chases, and Vents

Comments:

Ducts, registers and grilles: Disconnected or leaking

Location(s): Various Throughout Garage

Ducts, registers and grilles: Missing 1 and 1 Ducts, registers and grilles: Missing Location(s): Laundry Area IV. PLUMBING SYSTEMS A. Plumbing Supply, Distribution Systems and Fixtures Location of water meter: Front near street Location of main water supply valve: Static water pressure reading: 55 psi Comments:

Report Identification: 1112 13th St, Galveston, TX June 14, 2020 Report No. 1242 I=Inspected NI=Not Inspected NP=Not Present D=Deficient NI NP D Water supply piping in building: Poor support Location(s): Left Side Exterior Wall Gas piping: Inadequate support Location(s): Middle Garage Hose bib or bibb (outdoor faucet): Loose Location(s): Garage Hose bib or bibb (outdoor faucet): Backflow prevention missing Location(s): Various Throughout Exterior Cocation(s): Various Throughout Exterior

Overview: Recommendation: Add backflow preventers to outdoor faucets.

Recommendation: Secure any loose service piping throughout the home. B. Drains, Wastes, and Vents Comments: Drain piping - installation: Poor manifolding of drain pipe Location(s): Garage $\mathbf{Q} \square \square \mathbf{Q}$ C. Water Heating Equipment Energy Sources: Gas Capacity: 40 gallons Comments: Gas piping: No drip leg (sediment trap/dirt pocket) Location(s): Garage redued D. Hydro-Massage Therapy Equipment Comments: E. Other Comments: V. APPLIANCES A. Dishwashers Comments: resolved Dishwasher: Backflow prevention missing Location(s): Kitchen **B. Food Waste Disposers** Comments: C. Range Hood and Exhaust Systems Comments: D. Ranges, Cooktops, and Ovens Comments: E. Microwave Ovens Comments: F. Mechanical Exhaust Vents and Bathroom Heaters Comments:

Report Identification: 1112 13th St, Galveston, TX June 14, 2020 Report No. 1242 I=Inspected NI=Not Inspected NP=Not Present D=Deficient NI NP D **G.** Garage Door Operators Comments: Vehicle door operators: Sensors poorly located Location(s): Left Side Garage H. Dryer Exhaust Systems Comments: I. Other Comments: Washing machine: Drip pan missing Location(s): Laundry Area Overview: Recommendation: Remove wood paneling in garage and old insulation to increase ventilation throughout crawlspace. resolved VI. OPTIONAL SYSTEMS A. Landscape Irrigation (Sprinkler) Systems Comments: B. Swimming Pools, Spas, Hot Tubs, and Equipment Type of Construction: Comments: C. Outbuildings Comments: D. Private Water Wells (A coliform analysis is recommended.) Type of Pump: Type of Storage Equipment: Comments: E. Private Sewage Disposal (Septic) Systems Type of System: Location of Drain Field: Comments: $\Delta \Box \Box \Delta$ F. Other resolved. Comments: Fence: Rot or insect damage Notes: Wood soil contact Location(s): Various Front Yard

Report Identification: 1112 13th St, Galveston, TX June 14, 2020 Report No. 1242

I=Inspected NI=Not Inspected NP=Not Present D=Deficient

I NI NP D

LIMITATIONS

Plumbing

• Items excluded from a building inspection: Landscape irrigation system

END OF TREC REPORT



June 20, 2020

Dear Buddy Sparks,

RE: Report No. 1242 1112 13th St Galveston, TX 77550

Thanks very much for choosing us to perform your home inspection. The inspection itself and the attached report comply with the requirements of the Standards of Practice of our national Association. This document defines the scope of a home inspection.

Clients sometimes assume that a home inspection will include many things that are beyond the scope. We encourage you to read the Standards of Practice so that you clearly understand what things are included in the home inspection and report.

The report has been prepared for the exclusive use of our client. No use by third parties is intended. We will not be responsible to any parties for the contents of the report, other than the party named herein .

The report is effectively a snapshot of the house, recording the conditions on a given date and time. Home inspectors cannot predict future behavior, and as such, we cannot be responsible for things that occur after the inspection. If conditions change, we are available to revisit the property and update our report.

The report itself is copyrighted, and may not be used in whole or in part without our express written permission.

Again, thanks very much for choosing us to perform your home inspection.

Sincerely,

Charles Lehnhoff on behalf of Sphaerus Inspections

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SUMMARY

ROOFING

EXTERIOR

STRUCTURE

CTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

This Summary outlines potentially significant issues from a cost or safety standpoint. This section is provided as a courtesy and cannot be considered a substitute for reading the entire report. Please read the complete document.

Priority Maintenance Items

Roofing

RECOMMENDATIONS \ Overview

Condition: • Recommendation: Flat roof may be in deed of repair soon. Monitor

Recommendation: Replace pipe/roof jacks with new installations to prevent any water damage or leaking.

Exterior

RECOMMENDATIONS \ Overview

Condition: • Recommendation: Consult with licensed applicator for possible insect infestation.

Recommendation: Repair any rotted wood around exterior of home. Caulk and seal.

Recommendation: Add caps to exterior windows and doors.

Structure

RECOMMENDATIONS \ Overview

Condition: • Recommendation: Monitor for settlement or consult with a licensed engineer about a missed column within the garage space.

Electrical

RECOMMENDATIONS \ Overview

Condition: • Recommendation: Replace outdoor outlets with bubble covers

Recommendation: Replace GFCIs in proper locations (outdoor, bathrooms, kitchen, garages, etc.)

Recommendation: Make sure there are no openings in distribution panel.

Recommendation: Make sure AC amperage matches breaker size.

Heating

RECOMMENDATIONS \ Overview

Condition: • Recommendation: Add gad piping drip leg to heater.

Cooling & Heat Pump

RECOMMENDATIONS \ Overview

Condition: • Recommendation: Repair and replace disconnected and leaking ducting under the home.

Recommendation: Clean and re-plumb condensate lines for primary and secondary evaporator coil.

Recommendation: Make sure amperage for AC correlates to breaker size.

Report No. 1242

1112 13th St, Galveston, TX June 14, 2020

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SUMMARY

ROOFING

EXTERIOR

URE E

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

Insulation and Ventilation

RECOMMENDATIONS \ Overview

Condition: • Recommendation: Remove wood paneling in garage and old insulation to increase ventilation throughout crawlspace.

Plumbing

RECOMMENDATIONS \ Overview

Condition: • Recommendation: Add backflow preventers to outdoor faucets. Recommendation: Secure any loose service piping throughout the home.

Interior

RECOMMENDATIONS \ Overview

Condition: • Recommendation: Add backflow prevention to dishwasher.

Recommendation: Monitor for insect penetration throughout structure internally.

Recommendation: Paint caulk and seal any wood or loos trim throughout.

This concludes the Summary section.

The remainder of the report describes each of the home's systems and also details any recommendations we have for improvements. Limitations that restricted our inspection are included as well.

The suggested time frames for completing recommendations are based on the limited information available during a pre-purchase home inspection. These may have to be adjusted based on the findings of specialists.

Home Improvement - ballpark costs

Report No. 1242

1112 13th St, Galveston, TX June 14, 2020

ROOFING STRUCTURE ELECTRICAL

Description

Types of Roof Covering: • Asphalt shingles

Viewed From: • A ladder at the edge of the roof

Sloped roofing material:

Asphalt shingles



1. Asphalt shingles

Sloped roof flashing material: • Metal

Flat roofing material: • Modified bitumen membrane

Flat roof flashing material: • Metal Probability of leakage: • Medium

Approximate age:

• 5-10 years



2. 5-10 years

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ROOFING

STRUCTURE ELECTRICAL

Typical life expectancy: • 25-30 years

Recommendations

RECOMMENDATIONS \ Overview

1. Condition: • Recommendation: Flat roof may be in deed of repair soon. Monitor

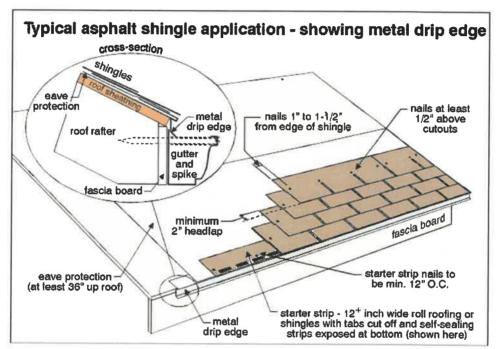
Recommendation: Replace pipe/roof jacks with new installations to prevent any water damage or leaking.

SLOPED ROOFING \ Asphait shingles

2. Condition: • Exposed fasteners

Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Various Task: Improve



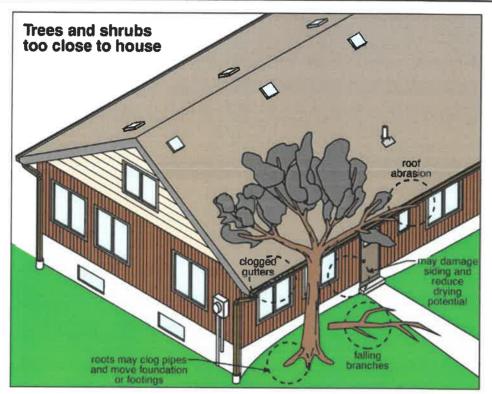
3. Condition: • Tree branches touching roof

Implication(s): Shortened life expectancy of material

Location: Various Task: Remove

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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR





3. Tree branches touching roof

SLOPED ROOF FLASHINGS \ Roof/sidewall flashings

4. Condition: • Loose, damaged, patched, open seams

Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Rear Right Roof

Task: Improve

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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR



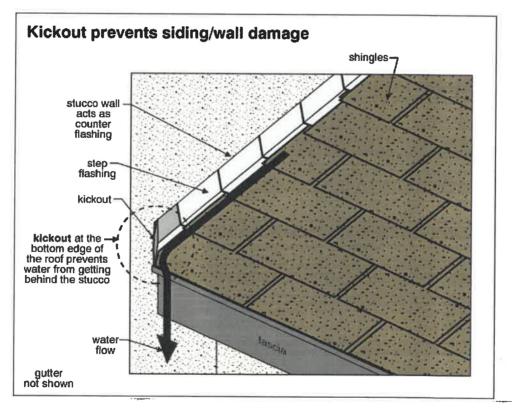
4. Loose, damaged, patched, open seams

5. Condition: • Kickout flashing - missing

Kickout flashing needs improvement

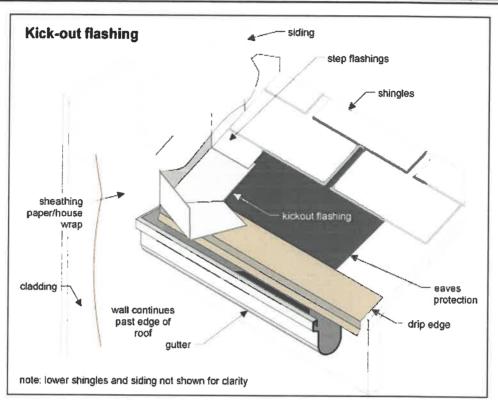
Implication(s): Chance of water damage to contents, finishes and/or structure

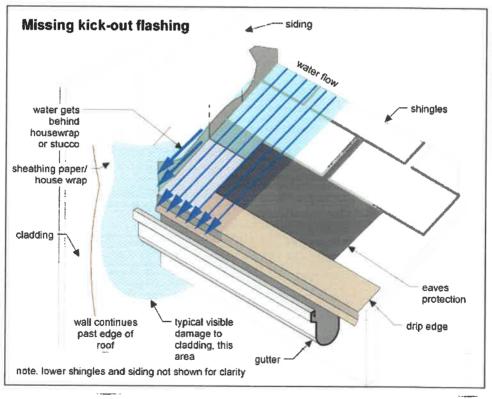
Location: Various **Task**: Replace



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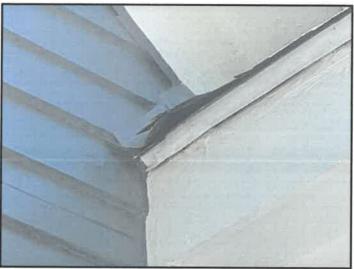
ROOFING STRUCTURE





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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR



5. Kickout flashing - missing

SLOPED ROOF FLASHINGS \ Pipe/stack flashings

6. Condition: • Damage

Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Rear Middle Roof

Task: Replace



6. Damage

7. Condition: • Vertically misaligned

Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Rear Left Side Roof

Task: Monitor

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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR



7. Vertically misaligned

FLAT ROOFING \ Modified bitumen

8. Condition: • Aging

Location: Rear Left Side Roof

Task: Repair or replace



8. Aging

9. Condition: • Damage, punctures, tears

Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Rear Left Side Roof

Task: Correct

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SUMMARY

ROOFING

EXTERIOR

STRUCTURE

LECTRICAL

HEATING

COOLING

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PITIMBING

INTERIOR



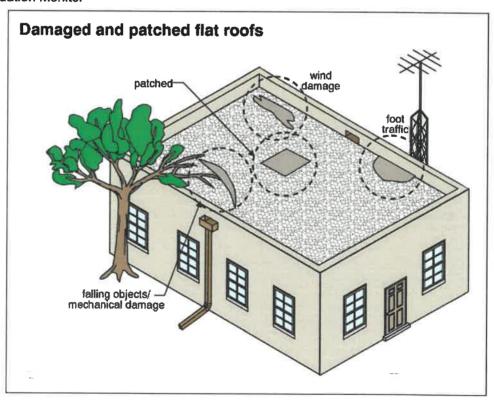
9. Damage, punctures, tears

10. Condition: • Patched

Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Rear Roof

Task: Further evaluation Monitor



Report No. 1242

1112 13th St, Galveston, TX June 14, 2020 www.sphaerusinspections.com

ROOFING

STRUCTURE ELECTRICAL

COOLING INSULATION



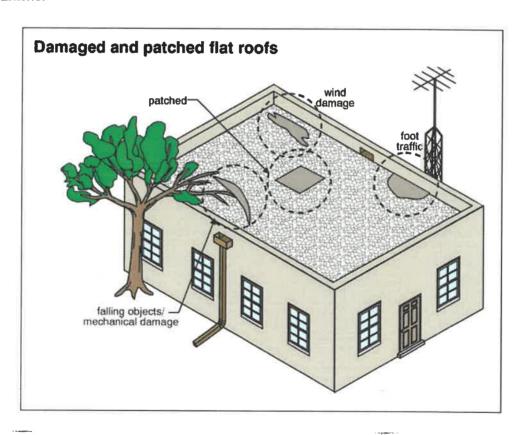
10. Patched

11. Condition: • Tree branches touching roof

Implication(s): Shortened life expectancy of material

Location: Rear Exterior

Task: Remove



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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR



11. Tree branches touching roof

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SUMMARY ROOFING

EXTERIOR

STRUCTURE ELECTRICAL HEATING COOLING INSULATION

PLUMBING

Description

Lot slope: • Flat

Soffit (underside of eaves) and fascia (front edge of eaves): • Wood

Wall surfaces and trim: • Wood Wall surfaces - wood: • Boards

Walkway: • Stone

Window Shutters/Panels:

· Storm panels



12. Storm panels

Deck: • Raised • Wood

Porch: • Wood

Exterior steps: • Wood

Balcony: • Wood

Fence: Wood

Report No. 1242

1112 13th St, Galveston, TX June 14, 2020 www.sphaerusinspections.com

SUMMARY

EXTERIOR

STRUCTURE ELECTRICAL

INSULATION

PLUMBING



13. Wood

Garage: • Attached

Garage vehicle doors: • Present

Garage vehicle door operator: • Present

Recommendations

RECOMMENDATIONS \ Overview

12. Condition: • Recommendation: Consult with licensed applicator for possible insect infestation.

Recommendation: Repair any rotted wood around exterior of home. Caulk and seal.

Recommendation: Add caps to exterior windows and doors.

ROOF DRAINAGE \ Gutters and Downspouts

13. Condition: • Missing Location: Throughout

Task: Provide

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SUMMARY

PODEIN

EXTERIOR

RUCTURE

LECTRICAL

4FATING

COOLING

NSULATION

DI HAMBING

NTERIOR



14. Missing

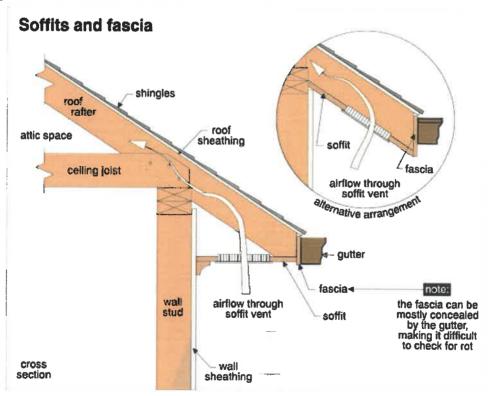
WALLS \ Soffits (underside of eaves) and fascia (front edge of eaves)

14. Condition: • Vents - ineffective / missing

Implication(s): Chance of condensation damage to finishes and/or structure | Material deterioration

Location: Various Throughout Exterior

Task: Provide
Time: Discretionary



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SUMMARY

EXTERIOR



15. Vents - ineffective / missing

WALLS \ Wood siding

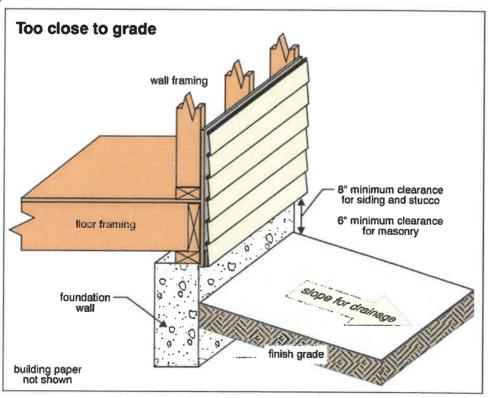
15. Condition: • Too close to grade

Implication(s): Chance of water damage to contents, finishes and/or structure | Material deterioration | Rot | Insect

damage

Location: Various Throughout Exterior Wall

Task: Improve Time: Discretionary



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SUMMARY ROOFING

EXTERIOR

STRUCTURE ELECTRICAL

HEATING

INSULATION

PLUMBING



16. Too close to grade

16. Condition: • Too close to grade

Implication(s): Chance of water damage to contents, finishes and/or structure | Material deterioration | Rot | Insect

damage

Location: Front Yard

Task: Improve Time: Discretionary



17. Too close to grade

WALLS \ Plywood, hardboard, and OSB (Oriented Strand Board)

17. Condition: • Mechanical damage

Implication(s): Chance of water damage to contents, finishes and/or structure | Material deterioration

Location: Throughout Garage

Task: Remove

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EXTERIOR

STRUCTURE ELECTRICAL





18. Mechanical damage

19. Mechanical damage

WINDOWS \ General notes

18. Condition: • Paint and Caulking - deteriorated / missing

Implication(s): Increased heating and cooling costs | Reduced comfort

Location: Various Exterior Wall

Task: Improve



20. Paint and Caulking - deteriorated / missing

EXTERIOR GLASS/WINDOWS \ Exterior drip caps/Drip cap flashing/Head flashing

19. Condition: • Missing

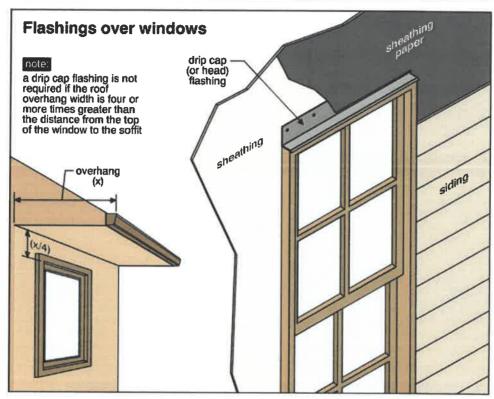
Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Various Exterior

Task: Provide

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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR





21. Missing

EXTERIOR GLASS/WINDOWS \ Storms and screens

20. Condition: • Torn or holes

Implication(s): Chance of pests entering building

Location: Various Task: Replace Time: Discretionary

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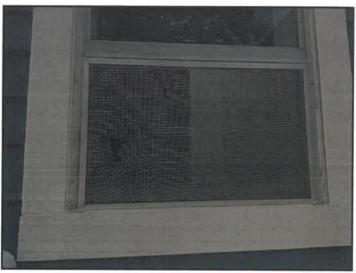
SUMMARY ROOFING

EXTERIOR

STRUCTURE | ELECTRICAL

COOLING INSULATION

PLUMBING



22. Torn or holes

21. Condition: • Missing

Implication(s): Increased heating and cooling costs | Reduced comfort

Location: Various Task: Provide



23. Missing

DOORS \ Doors and frames

22. Condition: • Loose or poor fit

Implication(s): Chance of damage to finishes and structure

Location: Garage Task: Replace

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SUMMARY ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

COOLING INSULATION

PLUMBING



24. Loose or poor fit

DOORS \ Exterior trim

23. Condition: • Paint or stain needed

Implication(s): Chance of damage to finishes and structure | Material deterioration

Location: Rear Exterior Porch

Task: Correct



25. Paint or stain needed

DOORS \ Exterior drip caps

24. Condition: • Missing

Implication(s): Chance of damage to finishes and structure

Location: Rear Exterior Porch

Task: Replace

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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR



26. Missing

PORCHES, DECKS, STAIRS, PATIOS AND BALCONIES \ Beams

25. Condition: • Rot or insect damage

Implication(s): Weakened structure | Chance of movement

Location: Front Left Side Porch Task: Repair or replace Monitor



27. Rot or insect damage

PORCHES, DECKS, STAIRS, PATIOS AND BALCONIES \ Joists

26. Condition: • Rot or insect damage

Implication(s): Weakened structure | Chance of movement

Location: Various Throughout Front Porch

Task: Further evaluation Monitor

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SUMMARY ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

COOLING

INSULATION



28. Rot or insect damage



29. Rot or insect damage



30. Rot or insect damage



31. Rot or insect damage

27. Condition: • Damage

Implication(s): Weakened structure | Chance of movement

Location: Left Side Exterior Staircase

Task: Repair or replace

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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR



32. Damage

PORCHES, DECKS, STAIRS, PATIOS AND BALCONIES \ Floors

28. Condition: • Paint or stain needed

Implication(s): Shortened life expectancy of material

Location: Front Porch

Task: Improve



33. Paint or stain needed

PORCHES, DECKS, STAIRS, PATIOS AND BALCONIES \ Stairs and landings

29. Condition: • Stair rise too big or not uniform

Implication(s): Trip or fall hazard

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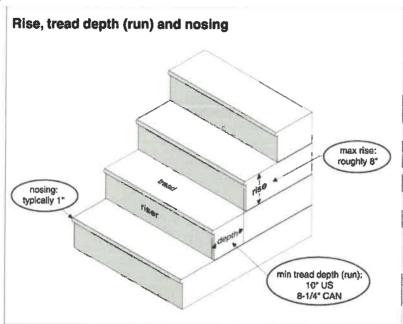
Report No. 1242

SUMMARY COOLING EXTERIOR STRUCTURE ELECTRICAL HEATING

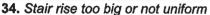
Location: Front Left Side Yard | Various Throughout Exterior

June 14, 2020

Task: Improve Time: Discretionary









35. Stair rise too big or not uniform

PORCHES, DECKS, STAIRS, PATIOS AND BALCONIES \ Handrails and guards

30. Condition: • Missing Implication(s): Fall hazard Location: Rear Exterior Porch

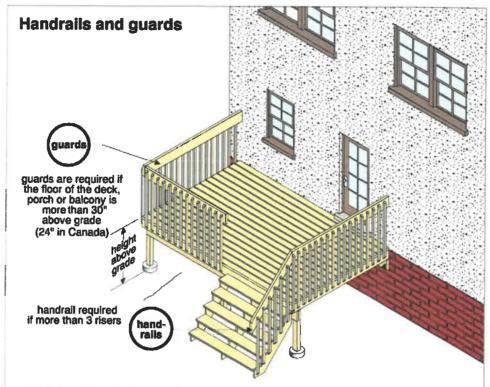
Task: Provide

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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR

Handrails and guards





36. Missing

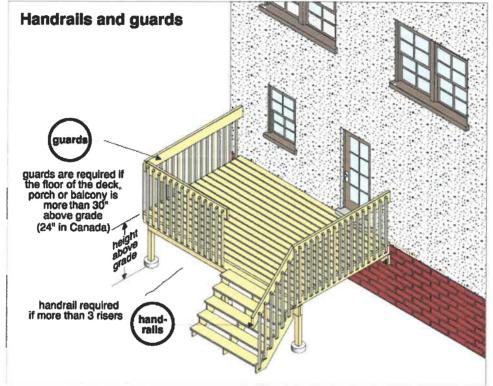
31. Condition: • Ineffective Implication(s): Fall hazard Location: Front Left Side Yard

Task: Improve
Time: Discretionary

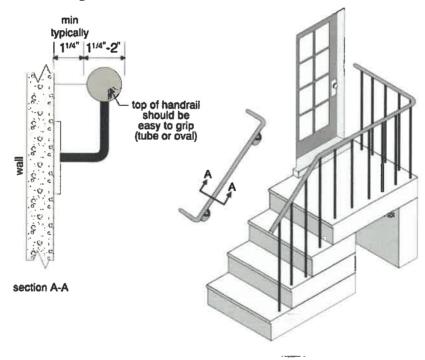
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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR

Handrails and guards



Handrail design



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EXTERIOR ELECTRICAL INSULATION Handrails or guards too low balcony or deck more than 6' above grade (Canada) 36" typical handrail height (H) is between 34" and 38" (31" - 38" in Canada) line through **Raised patios** look for guards if the patio is more than 24" to 30" off the ground these are
essentially
retaining walls
look for cracks,
bulging, bowing,
mortar
deterioration,
spalling,
settlement or rot

Report No. 1242

1112 13th St, Galveston, TX June 14, 2020 EXTERIOR



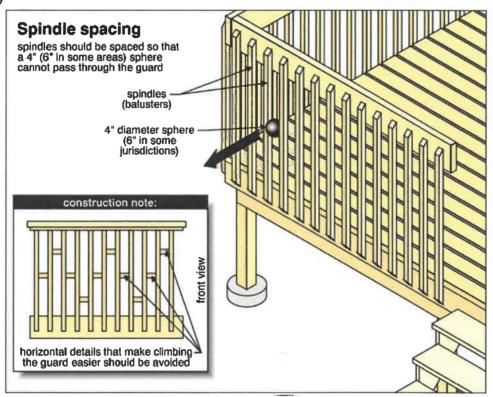
37. Ineffective

32. Condition: • Openings between spindles (balusters) too large

Implication(s): Fall hazard

Location: Various | Front Side Porch

Task: Improve Time: Discretionary



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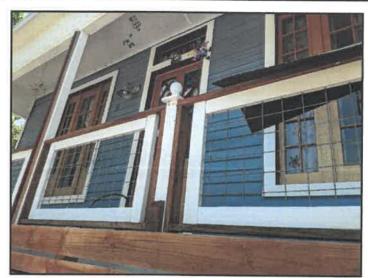
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EXTERIOR

STRUCTURE



38. Openings between spindles (balusters) too ...



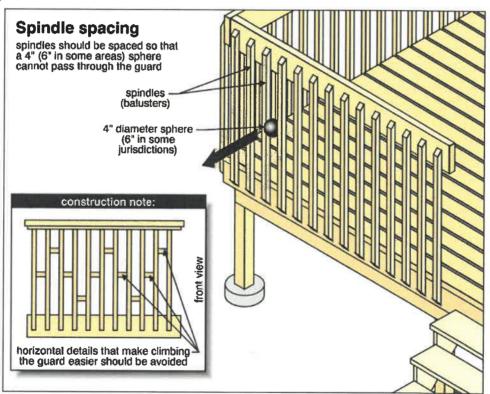
39. Openings between spindles (balusters) too ...

33. Condition: • Spindles (balusters) climbable

Implication(s): Fall hazard

Location: Various Throughout Exterior Staircase

Task: Improve Time: Discretionary



EXTERIOR

1112 13th St, Galveston, TX June 14, 2020 www.sphaerusinspections.com

SUMMARY ROOFING

EXTERIOR

COOLING INSULATION

PLUMBING



40. Spindles (balusters) climbable

PORCHES, DECKS, STAIRS, PATIOS AND BALCONIES \ Roof structure

34. Condition: • Rot or insect damage

Implication(s): Weakened structure | Chance of movement

Location: Front Porch Task: Further evaluation



41. Rot or insect damage

LANDSCAPING \ Fence

35. Condition: • Rot or insect damage

Wood soil contact

Implication(s): Material deterioration

Location: Various Front Yard

Task: Monitor

Time: Discretionary

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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR



42. Rot or insect damage

STAIRS \ Stringers

36. Condition: • Inadequately secured to header

Location: Left Side Exterior Staircase

Task: Repair



43. Inadequately secured to header

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SUMMARY ROOFING

STRUCTURE

ELECTRICAL

Description

Type of Foundation(s): • Pier and beam

Foundation Performance Opinion: • Further evaluation by a specialist is recommended • Performing as intended

Roof Structures and Attics Viewed From: • No access was gained to crawlspace

Configuration: • Piers

Foundation material: • Wood Floor construction: • Joists

Exterior wall construction: • Wood frame

Roof and ceiling framing: • Rafters

Recommendations

RECOMMENDATIONS \ Overview

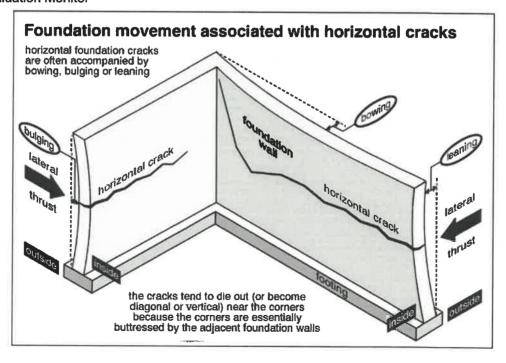
37. Condition: • Recommendation: Monitor for settlement or consult with a licensed engineer about a missed column within the garage space.

FOUNDATIONS \ General notes

38. Condition: • Bowed, bulging or leaning Missing garage column may cause settlement.

Implication(s): Weakened structure | Chance of structural movement

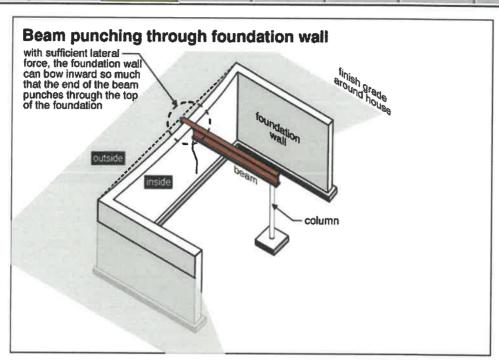
Location: Right Side Middle Task: Further evaluation Monitor

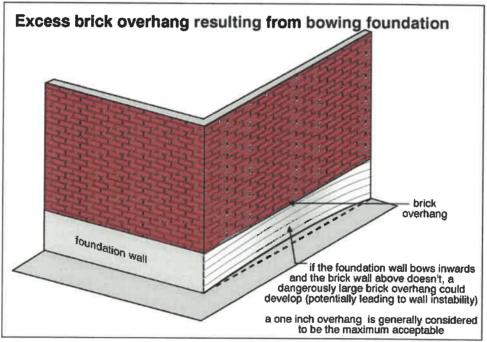


Report No. 1242

INSULATION

1112 13th St, Galveston, TX June 14, 2020 www.sphaerusinspections.com ELECTRICAL





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TITE TOUTON, CANCESTON, TX Sune 14, 2020

ROOFING EXTERIOR STRUCTURE

ELECTRICAL

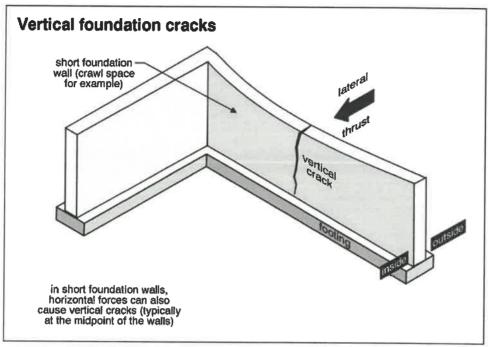
HEATING

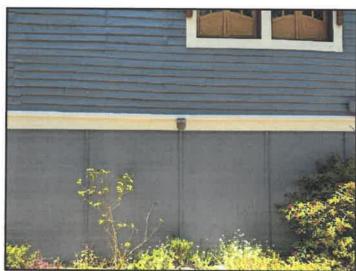
COOLING

INSULATION

PLUMBING

INTERIOR





44. Bowed, bulging or leaning

FLOORS \ Columns or piers

39. Condition: • Missing

Implication(s): Chance of structural movement

Location: Front Middle Garage

Task: Replace

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STRUCTURE Report No. 1242

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SUMMARY ROOFING STRUCTURE ELECTRICAL HEATING INSULATION

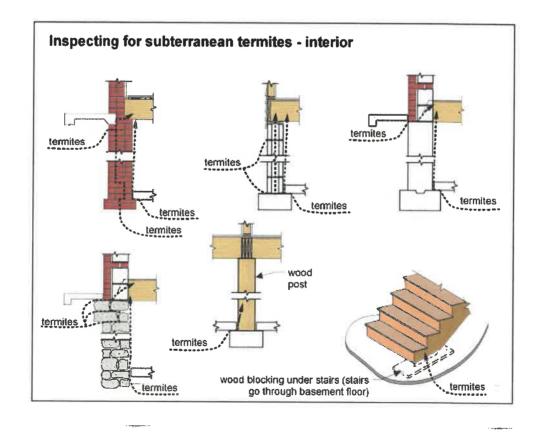


45. Missing

June 14, 2020

40. Condition: • Insect damage Implication(s): Weakened structure Location: Front Left Side Garage

Task: Monitor



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SUMMARY ROOFING EXTERIOR

STRUCTURE

INSULATION

PLUMBING



46. Insect damage

FLOORS \ Sheathing/Subflooring

41. Condition: • Buckled

Implication(s): Weakened structure | Chance of structural movement

Location: Middle Garage Task: Replace Monitor



47. Buckled

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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION

Type of Wiring: • Copper - non-metallic sheathed

Service entrance cable and location:

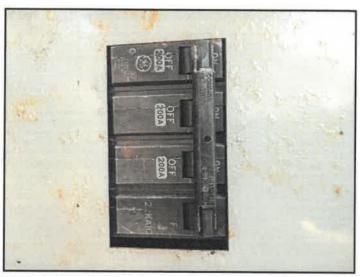
• Overhead - cable type not determined



48. Overhead - cable type not determined

Service size:

• 200 Amps (240 Volts)



49. 200 Amps (240 Volts)

Main disconnect/service box type and location:

• Breakers - exterior wall

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SUMMARY ROOFING EXTERIOR STRUCTURE

COOLING INSULATION

PLUMBING



50. Breakers - exterior wall

System grounding material and type: • Copper - ground rods

Distribution panel type and location:

• Breakers - exterior wall



51. Breakers - exterior wall

Electrical panel manufacturers: • GE

Auxiliary panel (subpanel) type and location:

• Breakers - exterior wall

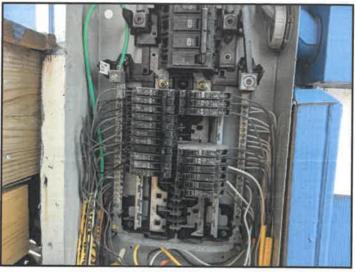
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SUMMARY ROOFING EXTERIOR STRUCTURE

ELECTRICAL HEATING

COOLING INSULATION

PLUMBING



52. Breakers - exterior wall

Distribution wire (conductor) material and type: • Copper - non-metallic sheathed

Type and number of outlets (receptacles): • Grounded - typical

Circuit interrupters: Ground Fault (GFCI) & Arc Fault (AFCI): • GFCIs present • No AFCI

Smoke alarms (detectors): • Present

RECOMMENDATIONS \ Overview

42. Condition: • Recommendation: Replace outdoor outlets with bubble covers

Recommendation: Replace GFCIs in proper locations (outdoor, bathrooms, kitchen, garages, etc.)

Recommendation: Make sure there are no openings in distribution panel. Recommendation: Make sure AC amperage matches breaker size.

SERVICE DROP AND SERVICE ENTRANCE \ Service drop

43. Condition: • Branches / vines interfering with wires

Implication(s): Damage to wire | Electric shock | Interruption of electrical service

Location: Front Yard

Task: Correct

SUMMARY ROOFING

Report No. 1242

1112 13th St, Galveston, TX June 14, 2020 www.sphaerusinspections.com

INSULATION

53. Branches / vines interfering with wires

SERVICE DROP AND SERVICE ENTRANCE \ Service mast and conductors

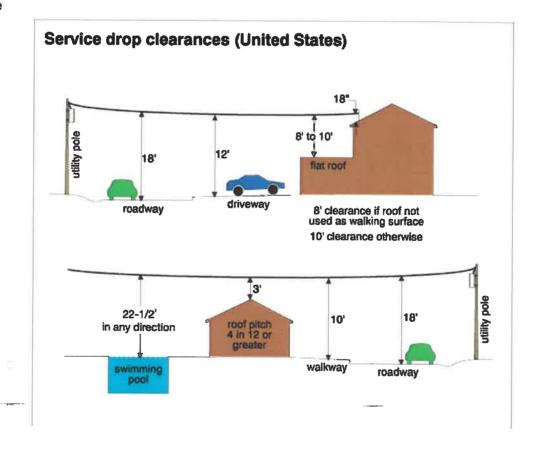
STRUCTURE

44. Condition: • Wires too close to roof

Implication(s): Electric shock | Interruption of electrical service

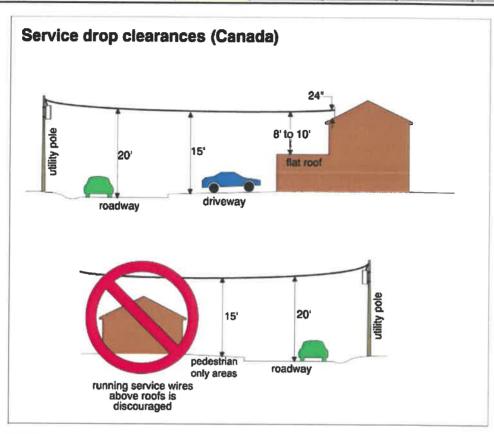
Location: Front Left Side Exterior Roof

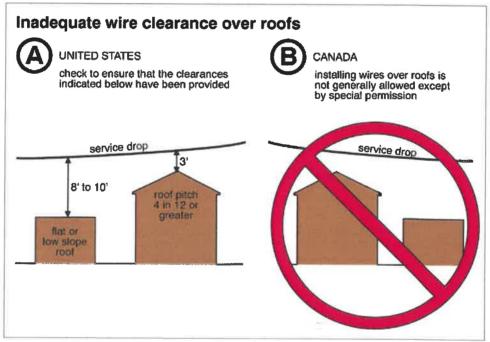
Task: Improve



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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR





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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR



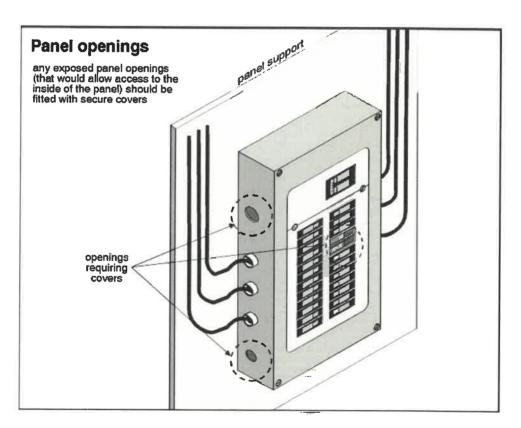
54. Wires too close to roof

SERVICE BOX, GROUNDING AND PANEL \ Service box

45. Condition: • Unprotected openings

Implication(s): Electric shock
Location: Left Side Exterior Wall

Task: Replace



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SUMMARY ROOFING

EXTERIOR

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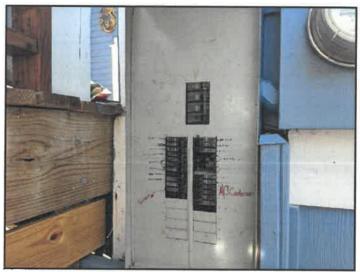
ATING

COOLING

NSIII ATION

PITIMBING

INTERIOR

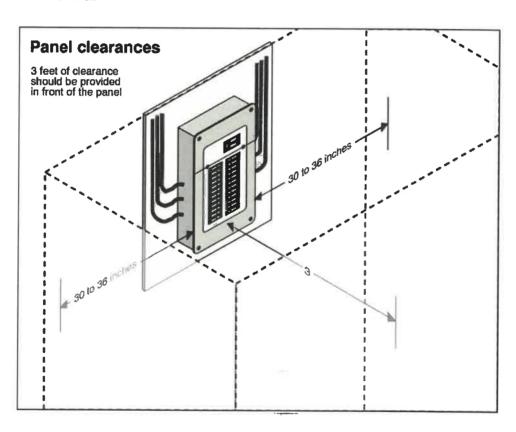


55. Unprotected openings

SERVICE BOX, GROUNDING AND PANEL \ Distribution panel

46. Condition: • <u>Poor access</u>
Implication(s): Difficult to service
Location: Left Side Exterior Wall

Task: Improve



SERVICE BOX, GROUNDING AND PANEL \ Distribution fuses/breakers

47. Condition: • Fuses or breakers too big

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ROOFING

EXTERIOR

STRUCTURE

LECTRICA

HEATING

COGLIN

ACITA III PE

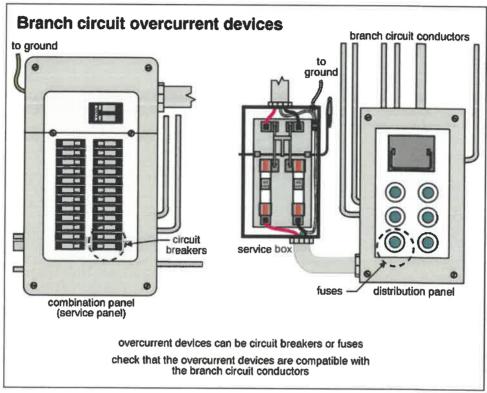
PLUMBING

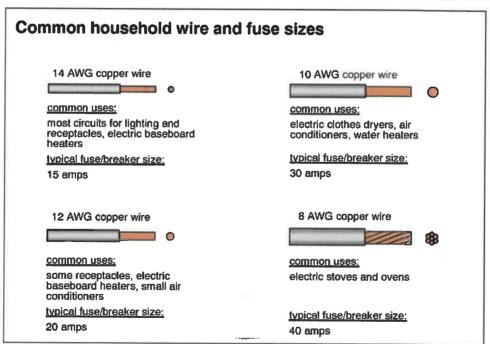
INTERIOR

Implication(s): Equipment overheating | Fire hazard

Location: Left Side Exterior Wall

Task: Replace



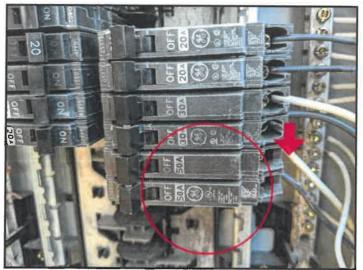


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SUMMARY ROOFING

INSULATION

PLUMBING



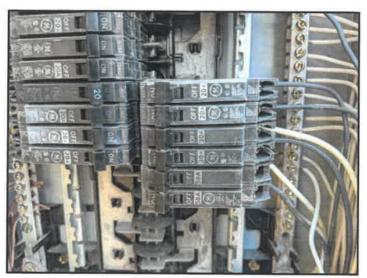
56. Fuses or breakers too big

SERVICE BOX. GROUNDING AND PANEL \ Panel wires

48. Condition: • White wires connected to breakers not identified as hot/live/ungrounded

Location: Left Side Exterior Wall

Task: Improve



57. White wires connected to breakers not ...

DISTRIBUTION SYSTEM \ Wiring - damaged or exposed

49. Condition: • Exposed on walls or ceilings

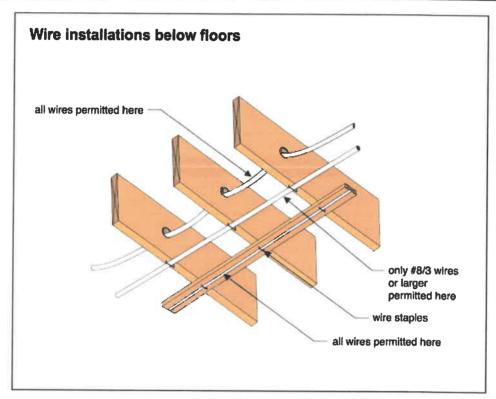
Implication(s): Electric shock

Location: Front Porch

Task: Correct

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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR





58. Exposed on walls or ceilings

DISTRIBUTION SYSTEM \ Outdoor wiring

50. Condition: • Wires too close to grade Implication(s): Damage to wire | Electric shock

Location: Middle Porch

Task: Improve

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SUMMARY ROOFING

EXTERIOR

COOLING INSULATION

PLUMBING



59. Wires too close to grade

DISTRIBUTION SYSTEM \ Junction boxes

51. Condition: • Cover loose or missing Implication(s): Electric shock | Fire hazard

Location: Various Garage

Task: Replace



60. Cover loose or missing

DISTRIBUTION SYSTEM \ Outlets (receptacles)

52. Condition: • Not suitable for outdoor (exterior) use

Bubble covers for all outdoor outlets are needed for current building standards

Implication(s): Shock hazard or interruption of electrical service

Location: Various Exterior

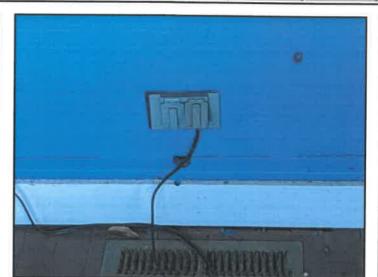
Task: Replace

ELECTRICAL

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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING



61. Not suitable for outdoor (exterior) use

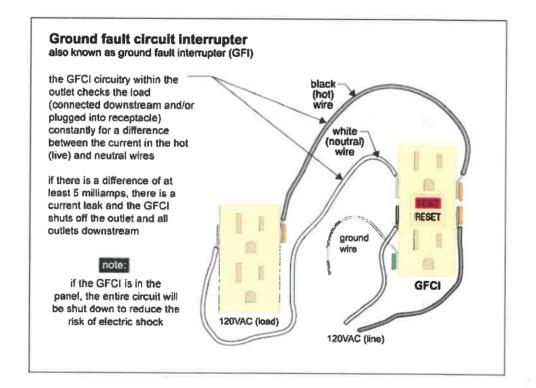
62. Not suitable for outdoor (exterior) use

53. Condition: • No GFCI/GFI (Ground Fault Circuit Interrupter)

Implication(s): Electric shock

Location: Various Throughout Exterior

Task: Replace



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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR



63. No GFCI/GFI (Ground Fault Circuit...

DISTRIBUTION SYSTEM \ Switches

54. Condition: • Faulty

Implication(s): Electric shock | Fire hazard

Location: Garage Task: Replace



64. Faulty

55. Condition: • Inoperative

Implication(s): Inadequate lighting Location: Front Left Side Garage

Task: Remove

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SUMMARY

ROOFING

STRUCTURE

ELECTRICAL HEATING

COOLING

INSULATION

PLUMBING

INTERIOR



65. Inoperative

DISTRIBUTION SYSTEM \ Lights

56. Condition: • Inoperative

Implication(s): Inadequate lighting Location: Various Garage

Task: Remove



66. Inoperative

57. Condition: • Missing

Implication(s): Inadequate lighting

Location: Middle Room

Task: Replace



67. Inoperative

ELECTRICAL

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SUMMARY ROOFING EXTERIOR STRUCTURE

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PLUMBING INTERIOR

ELECTRICAL HEATING

COOLING

INSULATION

68. Missing

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SUMMARY ROOFING

EXTERIOR STRUCTURE ELECTRICAL HEATING

COOLING INSULATION PLUMBING INTERIOR

Description

Type of Systems: • Furnace • Central air

Energy Sources: • Gas System type: • Furnace Fuel/energy source: • Gas

Heat distribution: • Ducts and registers

Efficiency: • Mid-efficiency

Exhaust venting method: • Direct vent Combustion air source: • Outside

Typical life expectancy: • Furnace (conventional or mid-efficiency) 18 to 25 years

Main fuel shut off at: • Garage

Failure probability: • Low

Recommendations

RECOMMENDATIONS \ Overview

58. Condition: • Recommendation: Add gad piping drip leg to heater.

GAS FURNACE \ Gas piping

59. Condition: • No drip leg (sediment trap, dirt pocket)

Implication(s): Equipment not operating properly

Location: Garage Task: Provide

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Sediment trap

the sediment trap (drip leg/dirt pocket/drip) serves as a collection area for sediment to reduce the chance of clogged gas valves or burners

gas furna



69. No drip leg (sediment trap, dirt pocket)

sediment trap

GAS FURNACE \ Venting system

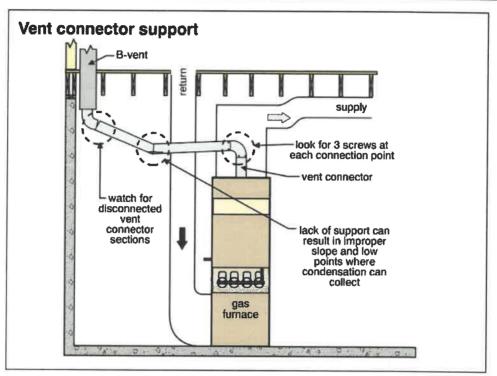
60. Condition: • Poor connections

Implication(s): Equipment not operating properly | Hazardous combustion products entering home

Location: Garage **Task**: Improve

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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR





70. Poor connections

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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING

COOLING

INSULATION

PLUMBING

Description

Type of Systems: • Central air

Air conditioning type: • Central • Electric

Cooling capacity:

• 3 Tons



71. 3 Tons

Compressor type: • Electric

Compressor approximate age: • 2 years Typical life expectancy: • 12 to 15 years

Failure probability: • Medium

Air filter: • Disposable

Evaporative cooler motor: • One speed

Refrigerant type: • R-410A

Condensate system: • Discharges to exterior

Recommendations

RECOMMENDATIONS \ Overview

61. Condition: • Recommendation: Repair and replace disconnected and leaking ducting under the home.

Recommendation: Clean and re-plumb condensate lines for primary and secondary evaporator coil.

Recommendation: Make sure amperage for AC correlates to breaker size.

AIR CONDITIONING \ Compressor

62. Condition: • Excess electric current draw

Implication(s): Reduced system life expectancy | Increased cooling costs | Reduced comfort | Inadequate lighting

Location: Left Side Exterior Wall

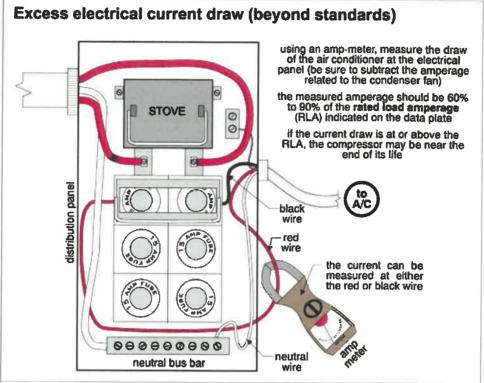
Task: Replace Improve

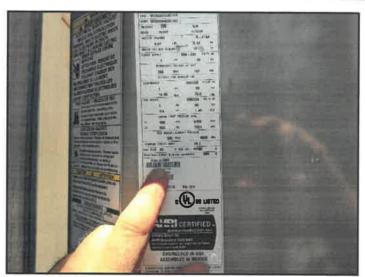
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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR

Excess electrical current draw (beyond standards)





72. Excess electric current draw

AIR CONDITIONING \ Evaporator coil

63. Condition: • Dirty

Implication(s): Increased cooling costs | Reduced comfort

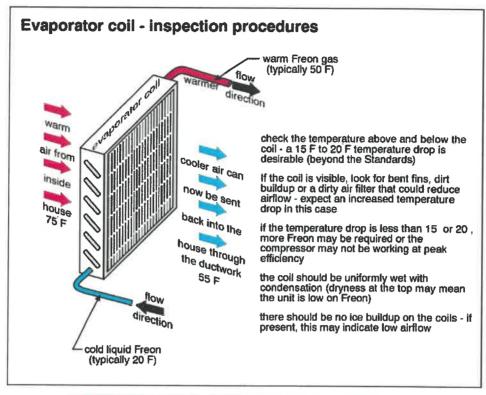
Location: Rear Left Side Exterior Wall

Task: Clean

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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR





73. *Dirty*

AIR CONDITIONING \ Condensate system

64. Condition: • Pan leaking

Implication(s): Chance of water damage to contents, finishes and/or structure | Damage to equipment

Location: Garage

Task: Further evaluation

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EXTERIOR STRUCTURE ELECTRICAL

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Leaking condensate tray a leaking condensate tray can rust out the furnace heat exchanger evaporator coil supply air evaporator-coil in look for rust or water stains around the tray plenum area and below that could indicate past problems tray out of level blocked condensate line condensate tray opening in tray typically larger than shown leak in tray furnace heat exchanger furnace return air blower perspective view

COOLING



74. Blocked or crimped

AIR CONDITIONING \ Condensate drain line

cross section

65. Condition: • Blocked or crimped

Implication(s): Chance of water damage to contents, finishes and/or structure | Damage to equipment

Location: Garage

Task: Further evaluation Clean

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EXTERIOR STRUCTURE ELECTRICAL

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Leaking condensate tray a leaking condensate tray can rust out the furnace heat exchanger evaporator coil supply air evaporator-coil in look for rust or water stains around the tray plenum area and below that could indicate past problems tray out blocked condensate line condensate tray opening in tray typically larger than shown rust leak in tray furnace heat exchanger furnace return air blower perspective view

COOLING



75. Blocked or crimped

AIR CONDITIONING \ Ducts, registers and grilles

cross section

66. Condition: • Disconnected or leaking

Implication(s): Increased cooling costs | Reduced comfort-

Location: Various Throughout Garage

Task: Repair or replace

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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL

COOLING

INSULATION

PLUMBING



76. Disconnected or leaking

67. Condition: • Missing

Implication(s): Reduced comfort

Location: Laundry Area

Task: Replace



77. Missing

Report No. 1242

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1112 13th St, Galveston, TX June 14, 2020

SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING

INSULATION

PLUMBING

Description

Approximate Average Depth of Insulation: • Not determined

Attic/roof insulation material: • Glass fiber

Attic/roof ventilation:

- Roof vent
- Gable vent
- Ridge vent



78. Ridge vent

Recommendations

RECOMMENDATIONS \ Overview

68. Condition: • Recommendation: Remove wood paneling in garage and old insulation to increase ventilation throughout crawlspace.

FOUNDATION \ Crawlspace ventilation

69. Condition: • Inadequate

Implication(s): Chance of condensation damage to finishes and/or structure

Location: Various Throughout Garage

Task: Improve

INSULATION AND VENTILATION

Report No. 1242

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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING

79. Inadequate

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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION

PLUMBING

Description

Location of water meter: • Front near street

Static water pressure reading: • 55 psi

Water Heating Energy Source: • Gas

Water Heating Capacity: • 40 gallons

Water supply source (based on observed evidence): • Public

Supply piping in building:

• PEX (cross-linked Polyethylene)



80. PEX (cross-linked Polyethylene)

Galvanized steel

Water flow and pressure: • Functional

Water heater type: • Conventional • Tank

Water heater location: • Garage

Water heater fuel/energy source: • Gas

Water heater exhaust venting method: • Direct vent

Water heater tank capacity:

• 40 gallons

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SUMMARY ROOFING

STRUCTURE ELECTRICAL

INSULATION

PLUMBING



81. 40 gallons

Water heater typical life expectancy: • 10 to 15 years

Water heater failure probability: • Low

Waste disposal system: • Public

Waste and vent piping in building: • PVC plastic

Gas piping: • Steel

Main fuel shut off valve at the:

Gas meter



82. Gas meter

Exterior hose bibb (outdoor faucet): • Not present

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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION

PLUMBING

Limitations

Items excluded from a building inspection:

· Landscape irrigation system



83. Landscape irrigation system

Recommendations

RECOMMENDATIONS \ Overview

70. Condition: • Recommendation: Add backflow preventers to outdoor faucets.

Recommendation: Secure any loose service piping throughout the home.

SUPPLY PLUMBING \ Water supply piping in building

71. Condition: • Poor support

Implication(s): Chance of water damage to contents, finishes and/or structure | Leakage

Location: Left Side Exterior Wall

Task: Correct

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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR



84. Poor support

GAS SUPPLY \ Gas piping

72. Condition: • Inadequate support

Implication(s): Equipment not operating properly | Fire or explosion

Location: Middle Garage

Task: Improve



85. Inadequate support

Report No. 1242

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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING

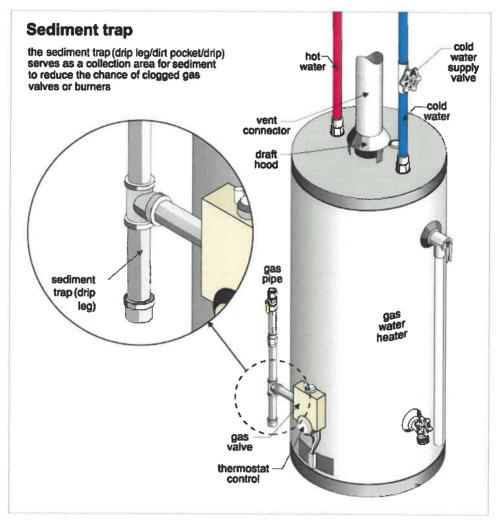
PLUMBING

WATER HEATER - GAS BURNER AND VENTING \ Gas piping

73. Condition: • No drip leg (sediment trap/dirt pocket)

Implication(s): Equipment failure

Location: Garage Task: Provide



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SUMMARY ROOFING

EXTERIOR STRUCTURE ELECTRICAL HEATING

COOLING

INSULATION

PLUMBING



86. No drip leg (sediment trap/dirt pocket)

WASTE PLUMBING \ Drain piping - installation

74. Condition: • Poor manifolding of drain pipe Implication(s): Sewage entering the building

Location: Garage Task: Repair or replace



87. Poor manifolding of drain pipe

FIXTURES AND FAUCETS \ Hose bib or bibb (outdoor faucet)

75. Condition: • Loose

Implication(s): Reduced system life expectancy

Location: Garage Task: Correct

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ELECTRICAL PLUMBING Shutoff valves for outside faucets piping/faucets downstream of the shutoff valve should be sloped downwards for drainage drain cap must be downstream of shutoff valve (open in winter exterior wall 0 0 9 9 9 9 9 after closing shutoff) supply pipe outdoor faucet (open in winter -after the inside valve .0 valve is shut off) since the valve of a frost-proof faucet is inside the house, it is not prone to freezing and no exterior wall 70 m 70 m extra shutoff is required 6.0 g. 0 frost-proof outdoor faucet **C** ... 6... the area right around the pipe should not be insulated supply pipe G 0 G 0 G cross



88. Loose

76. Condition: • Backflow prevention missing Implication(s): Contaminated drinking water Location: Various Throughout Exterior

section

Task: Provide

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Atmospheric vacuum breaker

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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING

COOLING INSULATION

PLUMBING

INTERIOR

Description

Major floor finishes: • Hardwood

Major wall finishes: • Plaster/drywall

Major ceiling finishes: • Plaster/drywall

Major wall and ceiling finishes: • Plaster/drywall

Windows: • Single/double hung • Sliders

Glazing: • Single

Exterior doors - type/material: • Hinged

Doors: • Inspected

Oven type: • Conventional

Laundry facilities:

Washer/dryer combo



89. Washer/dryer combo

Bathroom ventilation:

Exhaust fan

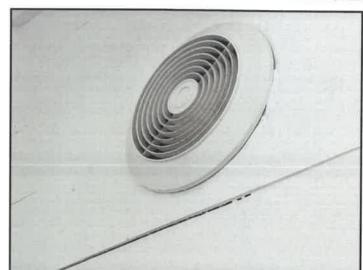
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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING

INSULATION

INTERIOR





90. Exhaust fan

91. Exhaust fan

Laundry room ventilation: • Operable Window



92.

Counters and cabinets: • Inspected Stairs and railings: • Inspected

Accessibility equipment: • Present

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SUMMARY ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

INTERIOR

Recommendations

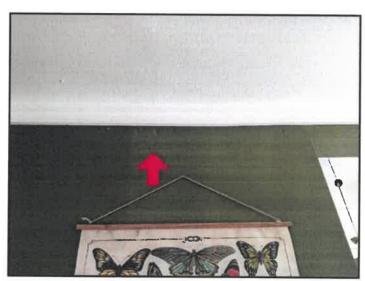
RECOMMENDATIONS \ Overview

77. Condition: • Recommendation: Add backflow prevention to dishwasher. Recommendation: Monitor for insect penetration throughout structure internally. Recommendation: Paint caulk and seal any wood or loos trim throughout.

WALLS \ Plaster or drywall

78. Condition: • Typical flaws

Location: Various Task: Monitor



93. Typical flaws

FLOORS \ Wood/laminate floors

79. Condition: • Stained

Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Front Right Porch Task: Service annually



94. Stained

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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION

INTERIOR

WINDOWS \ Glass (glazing)

80. Condition: • Safety glass not installed

Implication(s): Physical injury **Location**: Various Throughout

Time: Discretionary



95. Safety glass not installed

DOORS \ Hardware

81. Condition: • Latch not effective on exterior door

Implication(s): Poor security Location: Left Side Hall

Task: Correct



96. Latch not effective on exterior door

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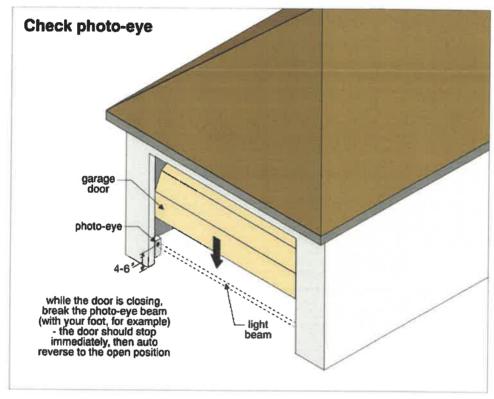
SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR

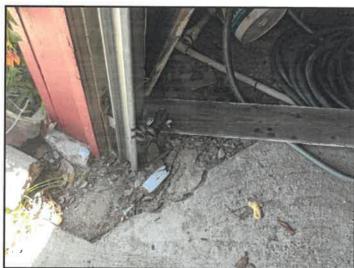
GARAGE \ Vehicle door operators

82. Condition: • Sensors poorly located

Implication(s): Physical injury Location: Left Side Garage

Task: Improve





97. Sensors poorly located

APPLIANCES \ Dishwasher

83. Condition: • Backflow prevention missing **Implication(s)**: Contaminated drinking water

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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION

PLUMBING

INTERIOR

Location: Kitchen Task: Provide

APPLIANCES \ Washing machine

84. Condition: • Drip pan missing

Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Laundry Area

Task: Provide



98. Drip pan missing

END OF REPORT