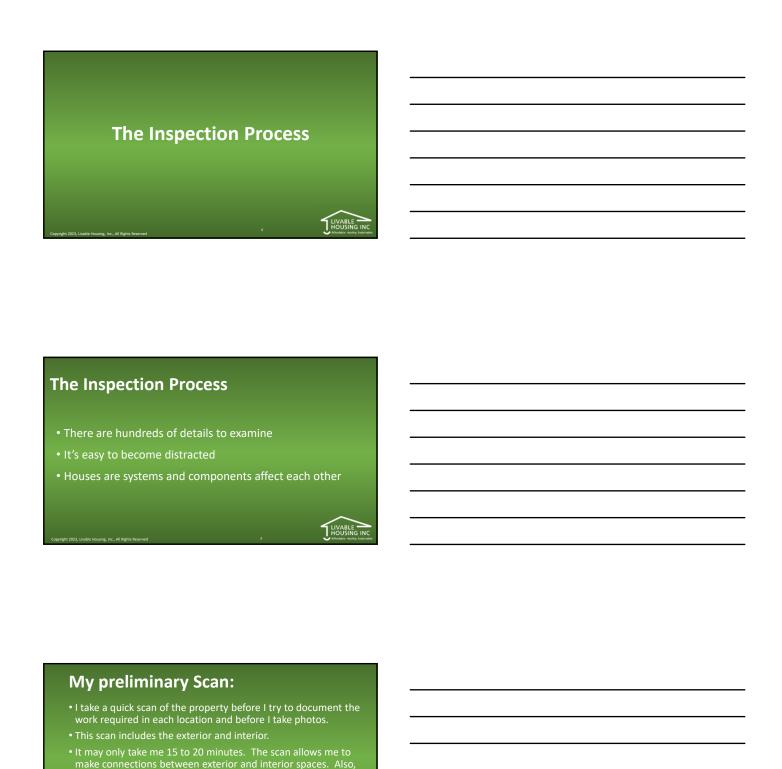
Inspections and Work Scopes for Healthy Homes **OHHN Conference 2024 Session Content:** This session will be an overview of tips and techniques for doing home assessments/inspections, including the following topics: The inspection process and standardization The concept of locational based inspections • Key health and safety considerations Using checklists • Formats for specifications **Armand Magnelli** Armand has over 40 years of experience in sustainable construction, affordable housing and community development. Armand has managed production of a city-wide owner-occupied rehab program, and housing development for two Community Development Corporations, including 6 years as an Executive Director. In addition to his work as a practitioner, he has worked nationally as a consultant and trainer for over 30 years. Working with nonprofits and city governments, he provides training and technical assistance on Community Development, Affordable Housing Production, Disaster Preparedness and Recovery, Organizational Development, Volunteer Training and Management, and Healthy, Green, Resilient and Sustainable approaches to all of the above.



connections between one interior space and another.

• I may have the homeowner accompany me, depending on their mobility and other considerations, and while the scan will take longer it may save time overall.

The Inspection Process

- Create a standard pattern/process for your inspections. It will minimize the potential to miss something.
- Consider using a checklist that follows your system.
- Take photographs in that same order.
- Have your scope of work separate the tasks by room and follow the same order as your inspection.
- Use the wall naming protocol that LBP Risk Assessors use.

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THOUSING IN



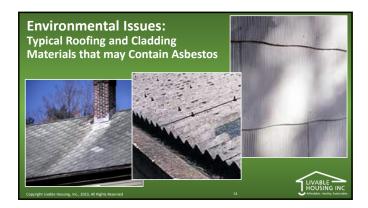


Location Types to Consider for their Uniqueness • Basements & Crawlspaces (possibly Utility Room) • Generic Interior Rooms **Appropriate Inspection Goals for all Locations** • Code violations • Opportunities for energy or utility cost savings • Defining the work required to maintain the program standard • This means we need to know what to specify **Inspecting the Exterior & Site** Overriding Topics a. Housing Rehabilitation Standards and Building Codes b. Related Building Science c. Environmental issues Roofing Systems

5. Lighting and Electrical Receptacles6. Porches, Exterior Stairs, Ramps and Walkways

7. Site and Vegetation8. Utility Connections





Environmental Issues: Pest Infestations For the exterior and site of a building, this is all about exclusion. AKA, finding and sealing entry points. Focus on: • Where the building meets grade for signs of openings. • Soffit areas. • Any openings the size of a dime or larger. Pesticides are also an environmental hazard!















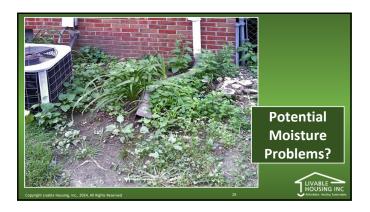


Inspection Techniques and Tools For Gutters, Downspouts and Storm Water Managemen	
Look for signs of:	
Dysfunctional gutters and downspouts	
Puddling near the foundation	
Poor grading	
Water intrusion inside	
 High moisture levels inside Relative humidity above 55% inside the home Interior wood moisture content above 15% 	
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How much rain does it take?			
How many gallons of water will fall on 1 square foot of horizontal surface when we receive 1 inch of rain?			
0.625 gal per Square Foot (SF)		
How many gallons falls on a roof that represents 1,000 SF of horizontal plane?			
<u>625</u>			
How many gallons arrive at each of 4 downspouts?			
<u>About 156</u>		LIVABLE	
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Inspection Techniques and Tools

For Porches, Exterior Stairs, Ramps and Walkways

Items to consider for Access & Egress:

- Evaluating the access to and egress from the home, requires understanding the occupants' level of mobility.
- Good lighting can reduce injuries from falls and deter potential intruders.
- For issues related to accessibility, an Occupational Therapist may be helpful.

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What's wrong with this picture?

What code or standards violations do you see?











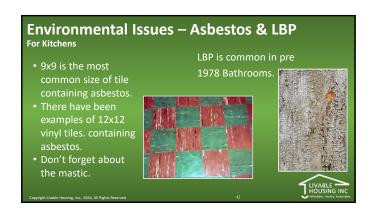
















Environmental Issues - Pest For Kitchens	S	
 Cleaning is key to addressing both coc infestations. 	kroach and mou	ise
 Both pests leave a constant stream of colleagues will follow the scent in hop sources. 		
 Do not touch or disturb droppings. Mouse dropping are especially dangerous because of the high level of pathogens. 		
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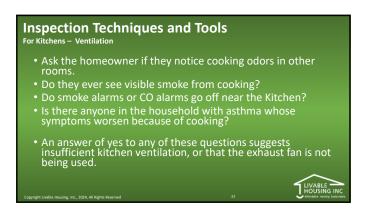
 Examine the flooring at the edges of the room. There should be a well sealed connection between the walls and floor.

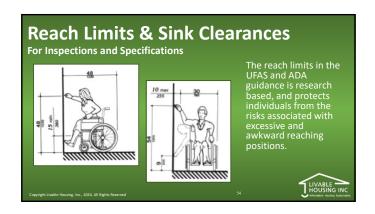
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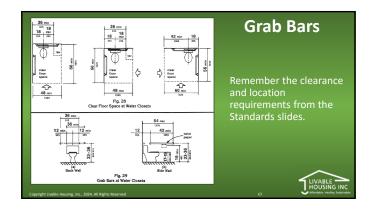


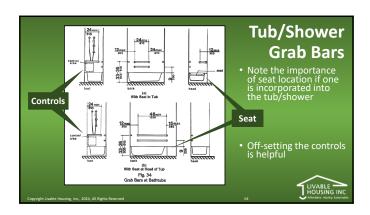




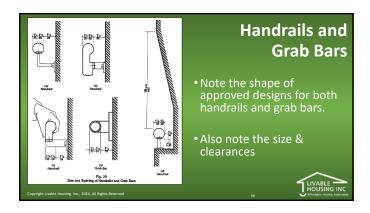






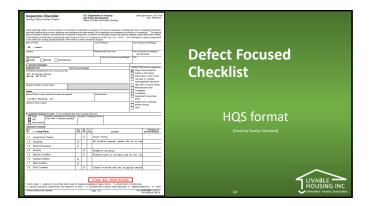


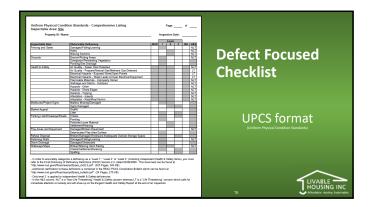


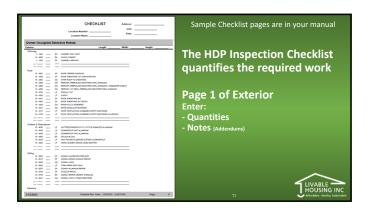




There are two Types/Purposes for Inspection Checklists To Document Defects or Deficiencies To Define and Quantify Work LIVABLE THOUSING INC. TO DEFECT 2021, Loads Foliage, Nr., All Rights Reserved To Defect 2021, Loads Foliage, Nr., All Rights Reserved To Defect 2021, Loads Foliage, Nr., All Rights Reserved To Defect 2021, Loads Foliage, Nr., All Rights Reserved To Defect 2021, Loads Foliage, Nr., All Rights Reserved To Defect 2021, Loads Foliage, Nr., All Rights Reserved To Defect 2021, Loads Foliage, Nr., All Rights Reserved To Defect 2021, Loads Foliage, Nr., All Rights Reserved To Defect 2021, Loads Foliage, Nr., All Rights Reserved To Defect 2021, Loads Foliage, Nr., All Rights Reserved To Defect 2021, Loads Foliage, Nr., All Rights Reserved To Defect 2021, Loads Foliage, Nr., All Rights Reserved To Defect 2021, Loads Foliage, Nr., All Rights Reserved







Specification Systems Specifications add clarity and detail to the bidding process and to the construction contract. The best specification system combines spec writing and cost estimating. Each unit of work contains a description of the task, a Unit of Measure to quantify the amount and an estimated cost per unit, or Unit Cost.





