



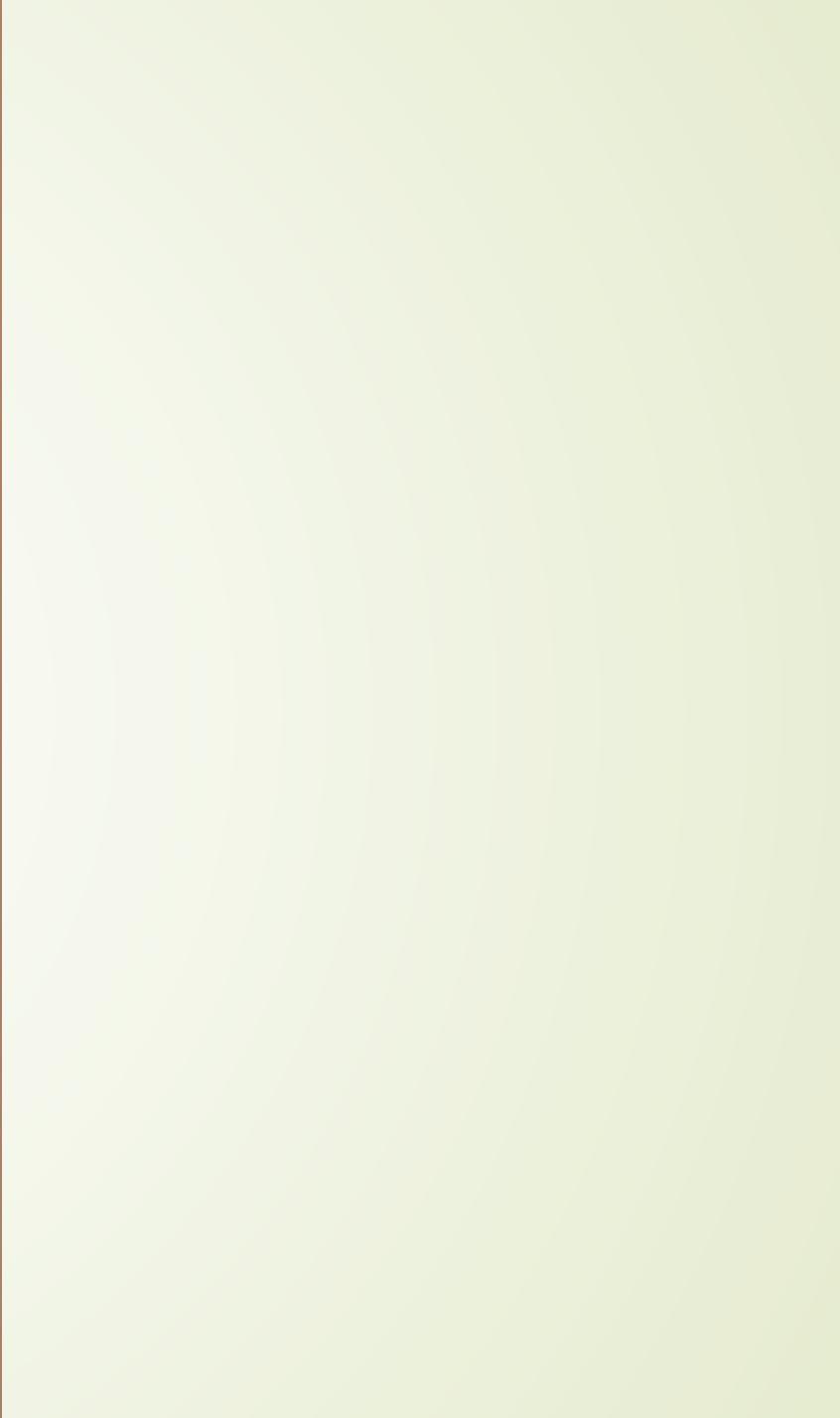
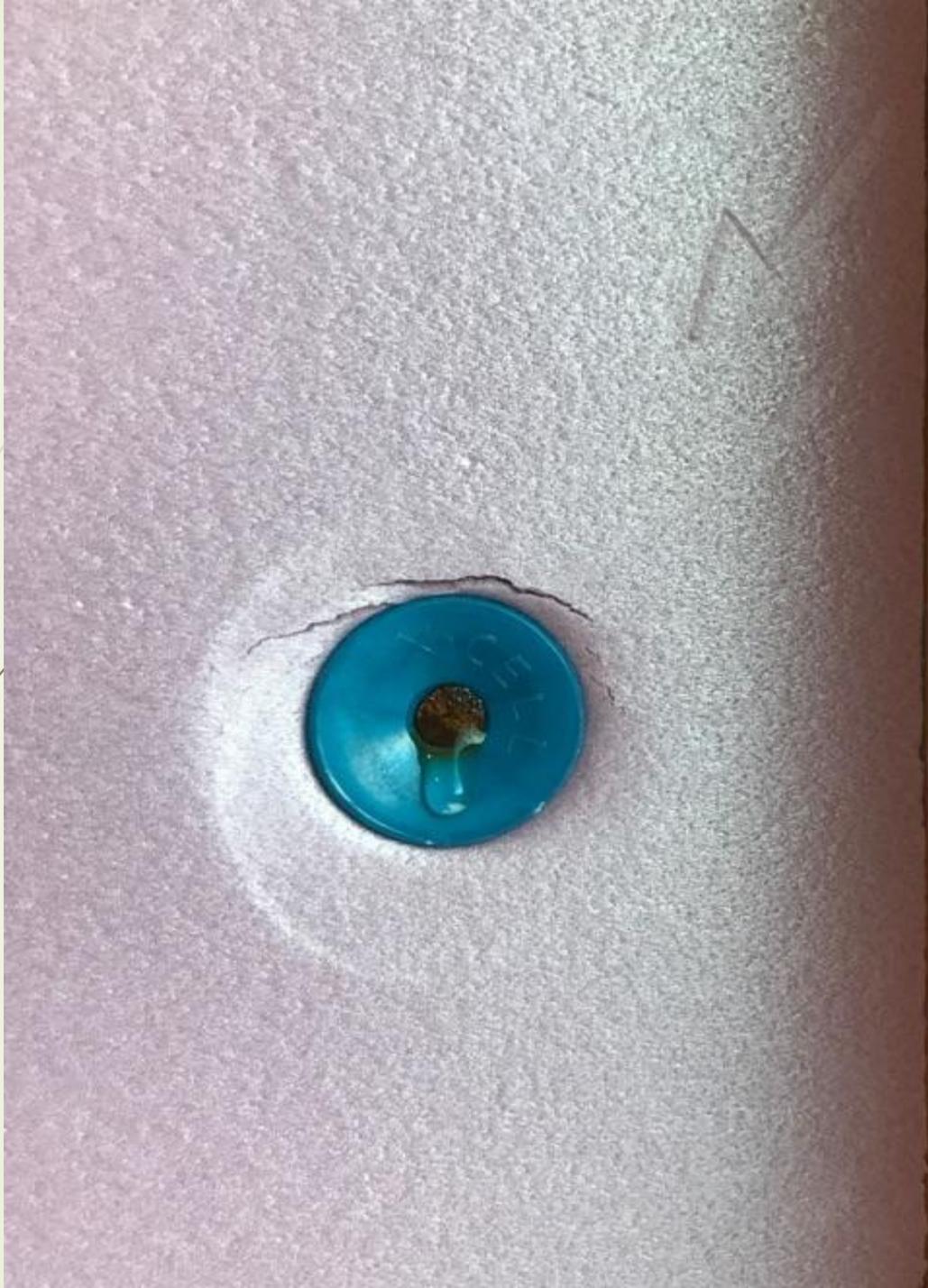
Moisture Related Damage Discussion

- Mold, mildew
- Rot (window sills, framing, siding, wall failures, etc.)
- Health (Poor indoor air quality)
- Dissolution of adhesives
- Insulation loses R-value when wet
- Concrete breaks from freeze-thaw cycle
- Absorption of water can cause materials to become flexible and lose strength
- Water stains
- Erosion (around foundation)
- Rodents and insects attracted to moisture



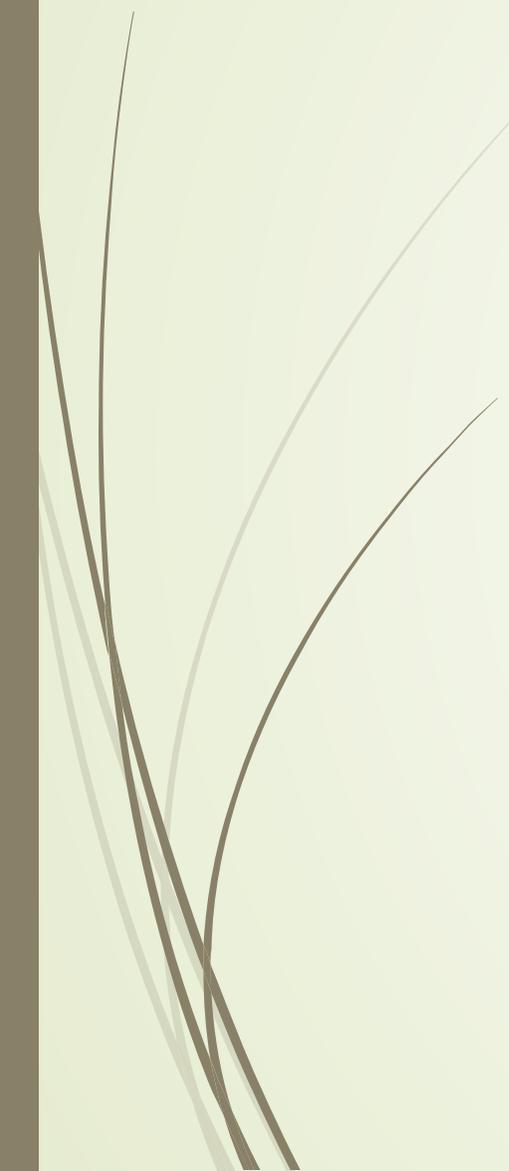




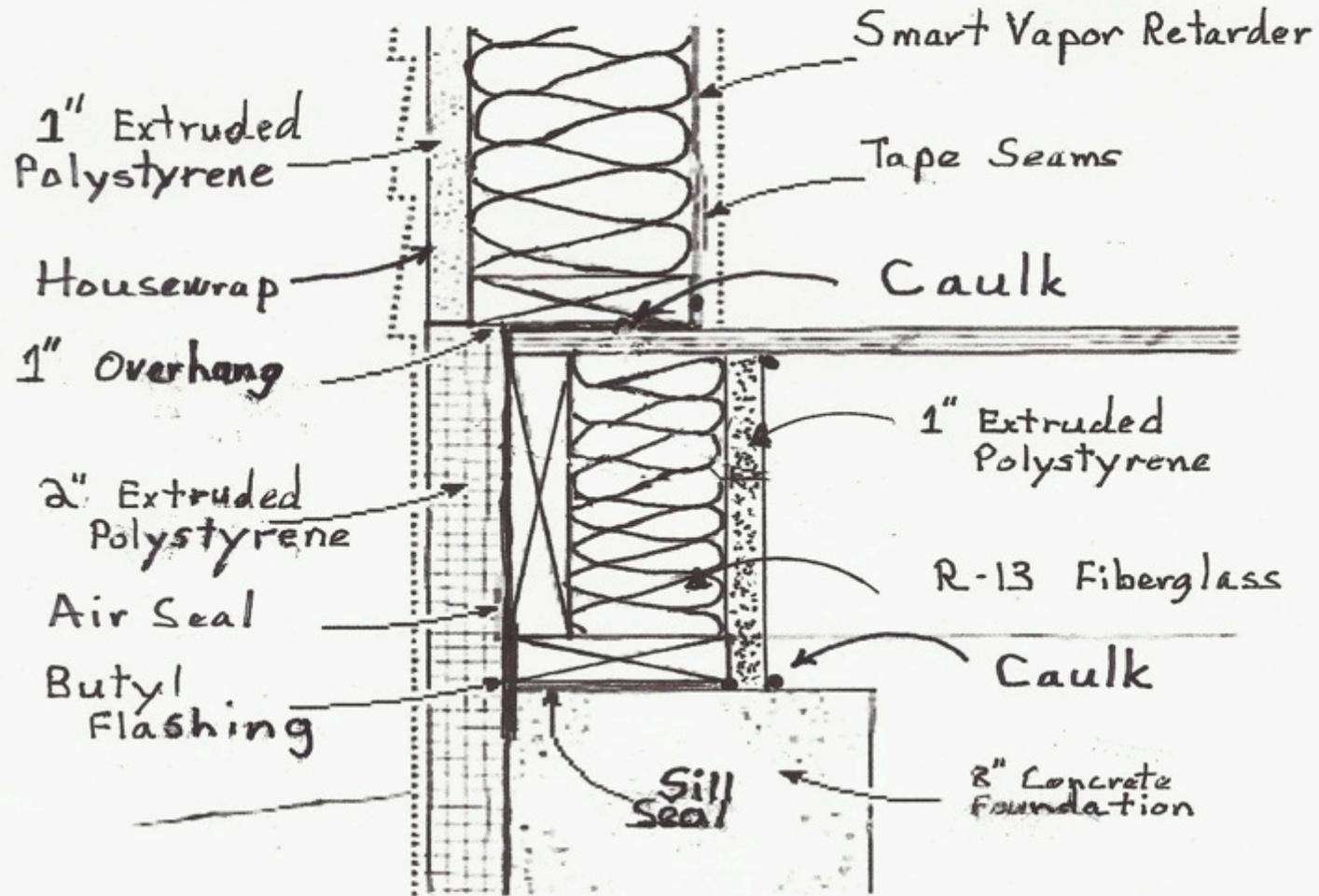




Main Ideas

- ▶ 16", 24" or 19.2" on center stud spacing
 - ▶ Better load path
 - ▶ Eliminate or design headers
 - ▶ Smart corners and partitions
 - ▶ Engineered materials
 - ▶ Better performance
 - ▶ Blocking for bars, handles, etc.
 - ▶ Correct fasteners
 - ▶ Emphasis on DETAILS
- 

Band Joist Detail

















NSF-dwv  NOT FOR PRESSURE CP-110-FPS-DWV 09/08/05 20 09 EXT-7H/B

JERIMV



MC 13025 R

NSF DWV









Sheathing – Education

- OSB
- OSB/Tape
- Plywood
- Continuous foam – thickness and strapping
- Combination
- Horizontal/Vertical
- Nailing



Secondary Weather Barrier

- Seams taped on extruded foam.
 - Other joints caulked or taped
 - Housewrap installed per manufacturers instructions.
 - All tapes and flashing installed per code and product recommendations.
 - Drainage plane behind stone.
 - Required vinyl siding per covenant
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