

# MERRIMACK DESIGN

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**Project:** Custom House Maritime Museum  
25 Water Street  
Newburyport, MA 01950

**Date:** 12 January 2023

**Subject:** Request for letter of support - Newburyport Custom House Masonry Repair Portico Roof  
CPA Application



South Facade



East Facade



North Façade



South façade gable bed joint failure 11/16/2022

**Report by:** Gregory Colling, AIA

**Attachments:** 2021 ACA pages 35, 36, 95, 96

2021 Architectural Conservation Assessment  
Newburyport Maritime Society, Inc. Custom House Maritime Museum



10. Observatory guardrail pitch pocket



13. Portico southeast column capital with evidence of active water leaking through ceiling



11. Flagpole base with evidence of wetting of the supporting structure. Photo by Joan Whitlow



14. Portico ceiling



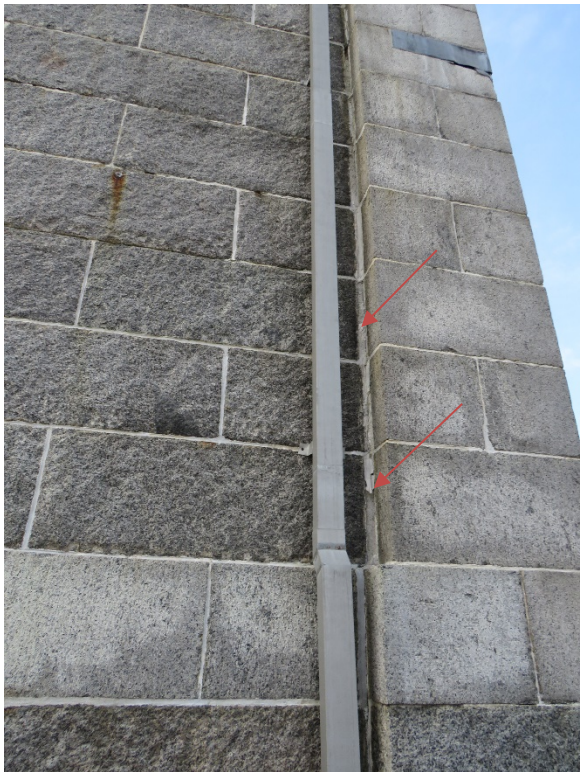
12. Portico roof



15. Northwest chimney cap – ferrous metal Tapcon screws



16. Northeast pilaster base – biological growth and mortar loss at ferrous metal setting wedges below watertable



17. East façade, north pilaster – failing mortar joint



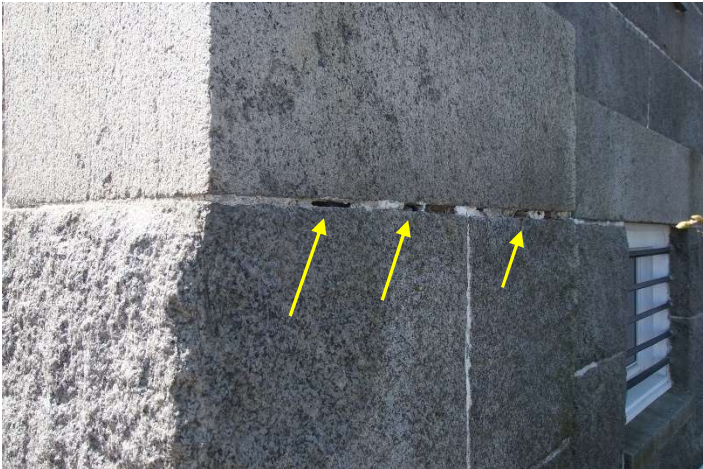
18. East façade window A3 – mortar loss at sill and vertical joint beneath



19. East façade, open bed joint above window B2

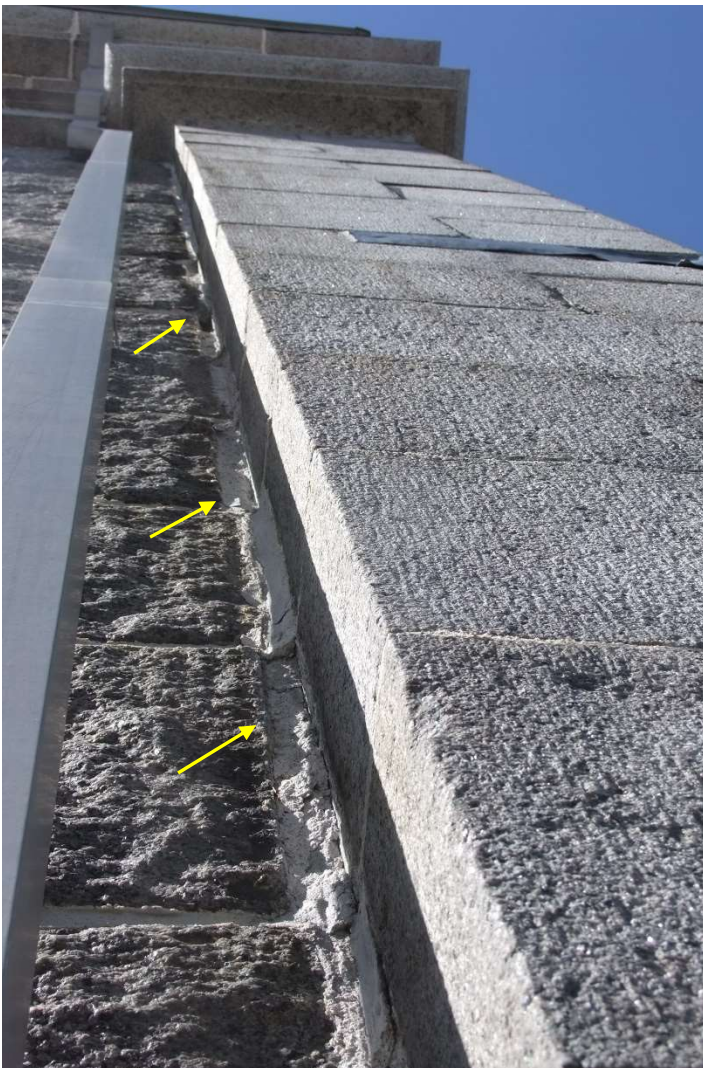


20. North façade, west rake – open mortar joint



**PHOTOGRAPH 9**

Eroded bed joints at the northeast corner.



**PHOTOGRAPH 10**

Mortar in vertical joint is eroded and falling out (Northeast corner).



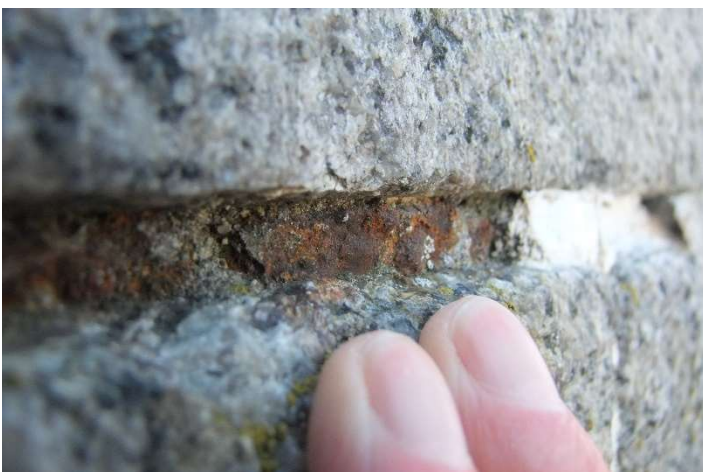
**PHOTOGRAPH 11**

Different mortar mixes have been applied to the joints on the East and North elevations.



**PHOTOGRAPH 12**

Missing mortar in a head joint along the rake of the North gable.



**PHOTOGRAPH 13**

Iron setting shims in bed joints are corroding and damaging the adjacent mortar and granite.