

The current proposal is:

Preservation Department – Item 2, LPC-21-05595

565 Broadway – SoHo-Cast Iron Historic District
Borough of Manhattan

To Testify Please Join Zoom

Webinar ID: 873 1899 4372

Passcode: 278022

By Phone: 1 646-558-8656 US (New York)

877-853-5257 (Toll free) US

888 475 4499 (Toll free)

Note: If you want to testify on an item, join the Zoom webinar at the agenda’s “Be Here by” time (about an hour in advance). When the Chair indicates it’s time to testify, “raise your hand” via the Zoom app if you want to speak (*9 on the phone). Those who signed up in advance will be called first.

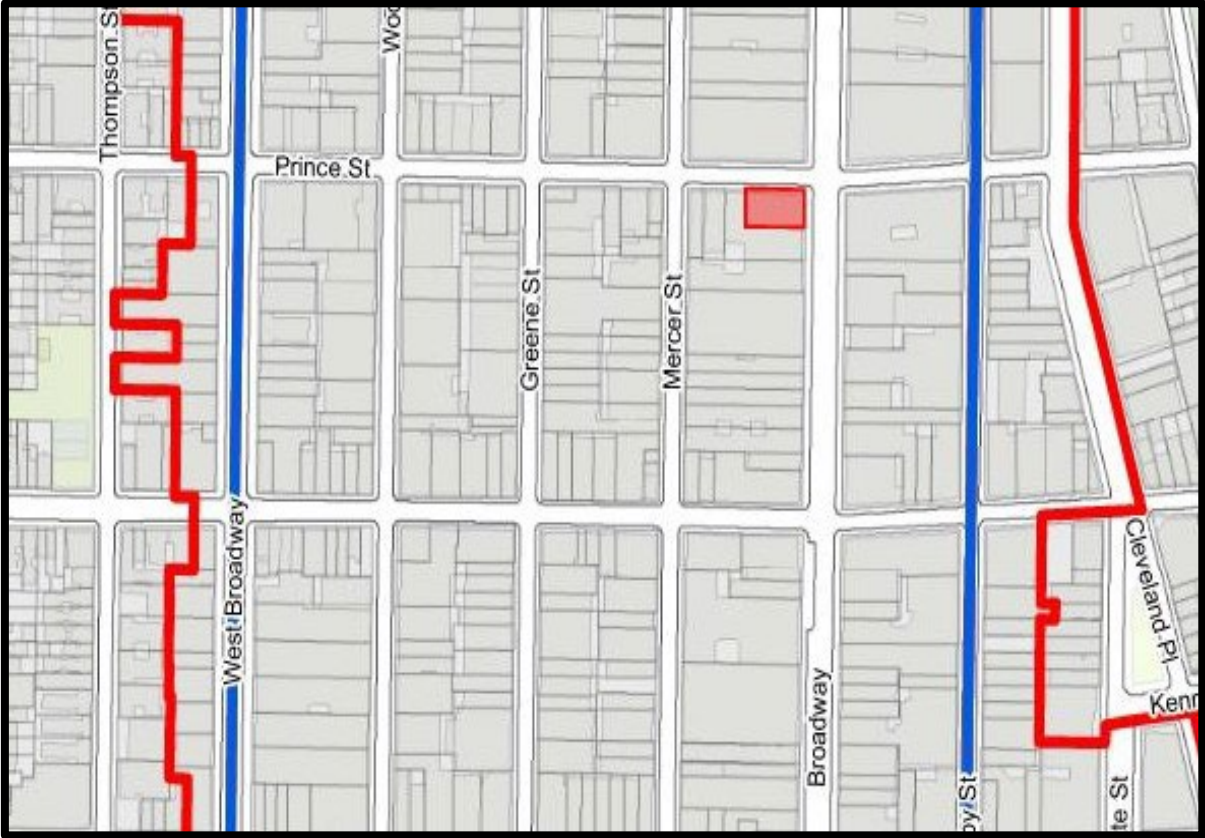


565 Broadway

Limited Marble Replacement
NYC LPC Public Hearing

November 15, 2022

Soho Cast Iron Historic District



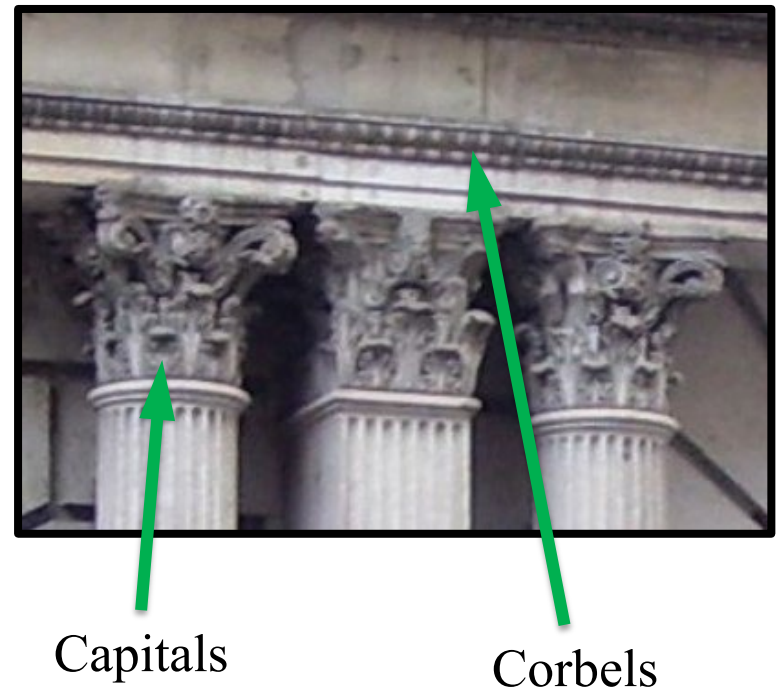
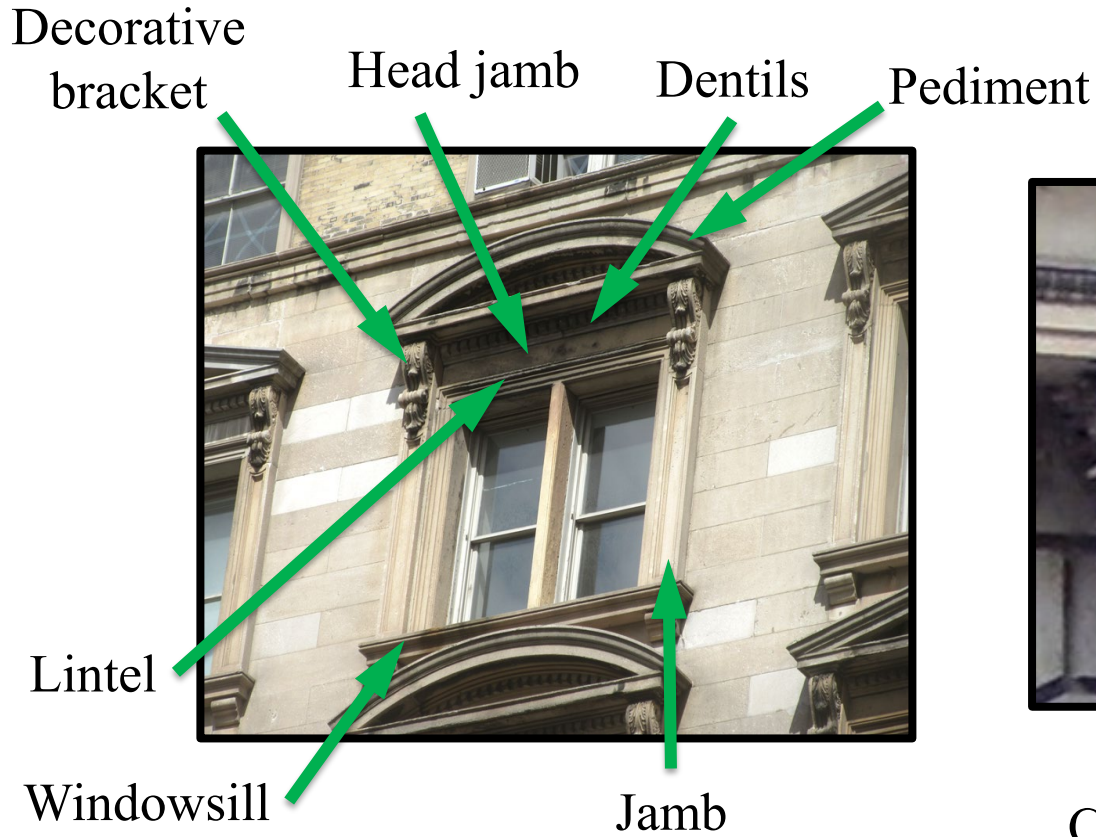
565 Broadway Overview and Composition



Brick and
Limestone
Facade

Marble
Facade

Typical Marble Components



Typical Existing Marble Conditions



Typical Existing Marble Conditions



LEGEND	
■	PRESUMED MARBLE
■	PROPOSED GFRC



1 EAST ELEVATION
A202 SCALE: 1/16"=1'-0"



1 NORTH ELEVATION
A201 SCALE: 1/16"=1'-0"

Marble Replacement Locations



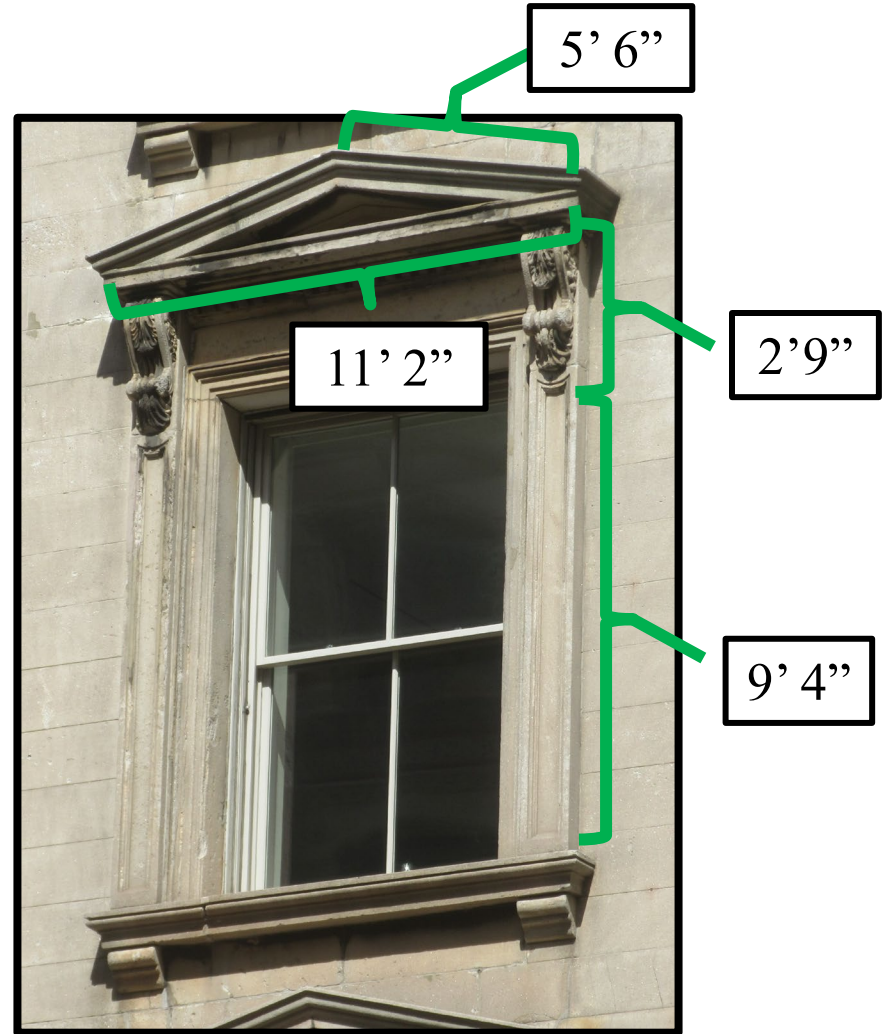


PRINCE ST. ELEVATION



BROADWAY ELEVATION

Typical Pediment and Jamb Dimensions



GFRC as a Marble Replacement

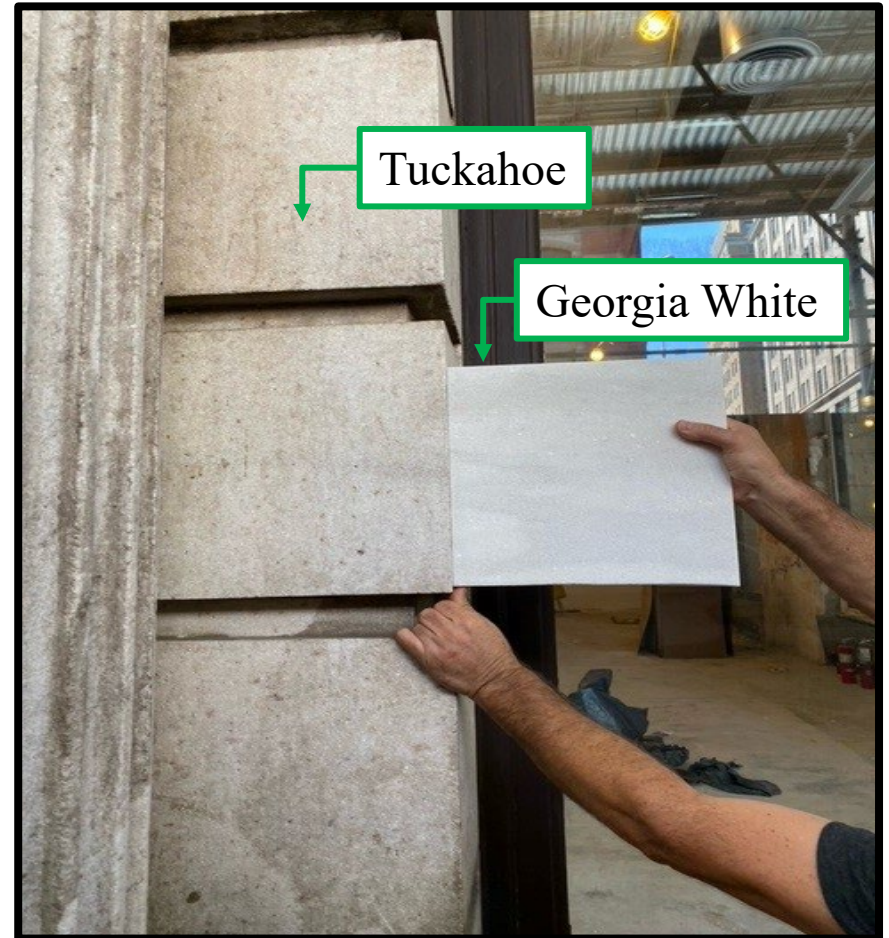
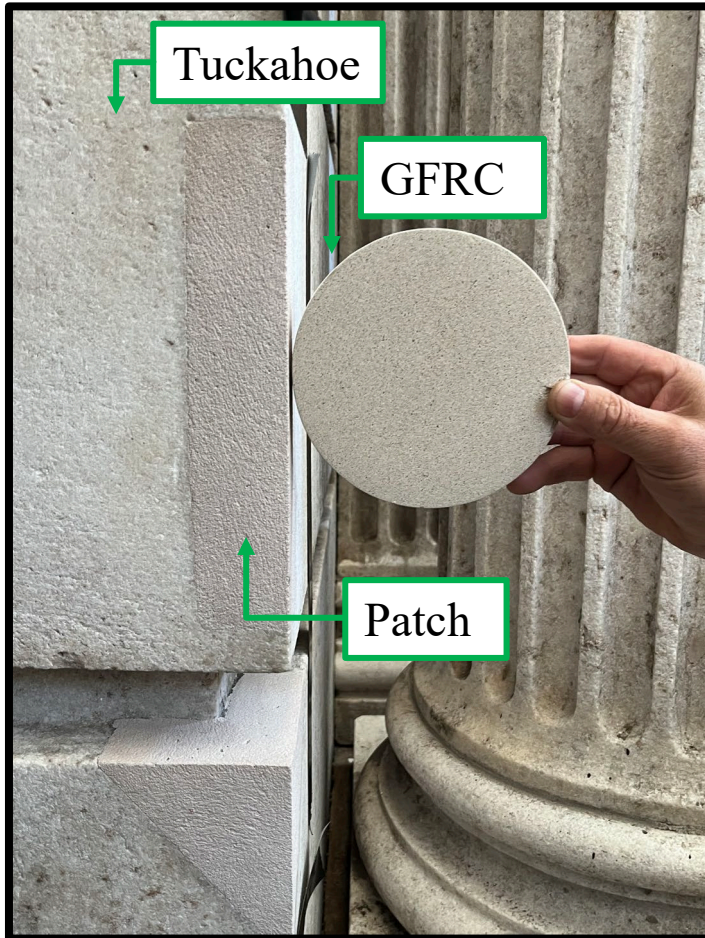
- Light material better suited to large sections as there is no need to be separated and re-attached with visible mortar joint.
- Large marble elements require a crane to lift into place in lieu of supported scaffolding
- A crane will be difficult due to:
 - Busy, narrow streets
 - MTA vault beneath the street
 - Subway entrance at the corner on Prince Street
- Areas of Installation
 - Pediments
 - Jambs

GFRC vs Marble Replacement (Material Properties)

	Tuckahoe Marble	GFRC
Compressive Strength	13000 psi	7000-12000 psi
Coefficient of Thermal Expansion	5.5-14.1 x 10 ⁻⁶ in/in/F	6-9 x 10 ⁻⁶ in/in/F
Density	180 pcf	140 pcf
Modulus of Rupture	1800 psi	2500-4000 psi
Absorption by Weight	0.14%	3-5%



GFRC vs Marble Replacement (Visual)



Previous GFRC Replacement



The materials chosen will allow us to match the existing marble elements in size, shape, color, and texture to preserve the aesthetics of the façade



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