Installation of Exterior Façade Awnings at 1 Riverside Drive, Manhattan, NY

Rizwan Abdus Salam P.E.
R.A.S.P.E. Consulting Engineers
February 25th, 2016
Description of the Project

• 1 Riverside Drive is a “Landmark” 5 story building and a house of worship

• The project involves installation of (5) exterior façade awnings:
  – (1) above the main entrance door facing Riverside Drive
  – (1) above the 2\textsuperscript{nd} floor door leading to the porch atop the main entrance door, facing Riverside Drive
  – (2) above the 1\textsuperscript{st} floor windows atop the exterior access stairs leading to the cellar, on the south façade
  – (1) above the rear entrance door on the south façade
The green fabric awnings have been designed to conform to the rectangular design of the doors and windows, and blend with the color of the existing metal grille on the windows of the building façade.

The awnings will provide protection from the sun & rain

The awnings will blend into the existing character of the building and enhance the façade view to be aesthetically pleasing to the eye
The Building at 1 Riverside Drive
A Closer Look at the Building

FRONT (WEST) ELEVATION
A Closer Look at the Building

SOUTH ELEVATION

SOUTH ELEVATION
1st Floor Plan

NEW AWNING ABOVE MAIN ENTRANCE DOOR

NEW AWNING ABOVE 2ND FLOOR WINDOW

NEW AWNINGS ABOVE SIDE ENTRANCE DOOR

NEW AWNING ABOVE ACCESS STAIRS

RIVERSIDE DRIVE

PRAYER AREA

OFFICE 5'-11"x12'-6"

OFFICE

WEST 72ND STREET
Partial Front Elevation
Existing Condition
Partial Front Elevation
Proposed Condition
South Elevation – Existing Condition
South Elevation – Proposed Condition
West Elevation – Existing & Proposed
Sections

NEW AWNING ABOVE MAIN ENTRANCE DOOR

NEW AWNING ABOVE DOOR

11'-10" EXIST. WALL

2'-0"

TYP. AWNING INSTAL. DETAIL

SEE FLOOR ANCHOR DETAIL 4 (DRAWING A-01)

SEE FLOOR ANCHOR DETAIL 8 (DRAWING A-01)

SEE ANCHOR DETAIL 6 (DRAWING A-01)

SEE ANCHOR DETAIL 7 (DRAWING A-01)
Connections/Support Details

AWNING UPPER ANCHOR DETAIL-6

AWNING TO WALL ANCHOR DETAIL-8

AWNING LOWER ANCHOR DETAIL-7

FLOOR ANCHOR DETAIL-9
Conclusion

- Proposed awnings will provide protection from the sun & rain
- They will add to the elegance of the building facades
- The color and design of the awnings will blend into the character of the existing building, maintaining homogeneity