

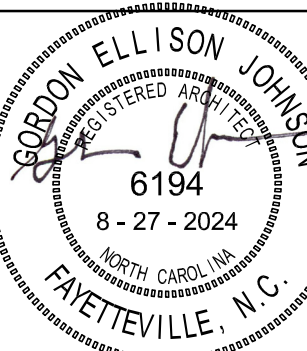
# NCDOT Office Renovations - Buildings 558 & 600

558 / 600 Gillespie Street  
Fayetteville, North Carolina 28301

SCO ID#: 24-28018-01A

**GORDON  
JOHNSON**  
Architecture

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NCDOT Office Renovations

558 / 600 Gillespie Street  
Fayetteville, North Carolina 28301

DRAWN BY: J.D. Pike  
REVIEWED BY: G. Johnson  
DATE: 8-21-24  
PROJECT NO.: 2307  
NOTES:

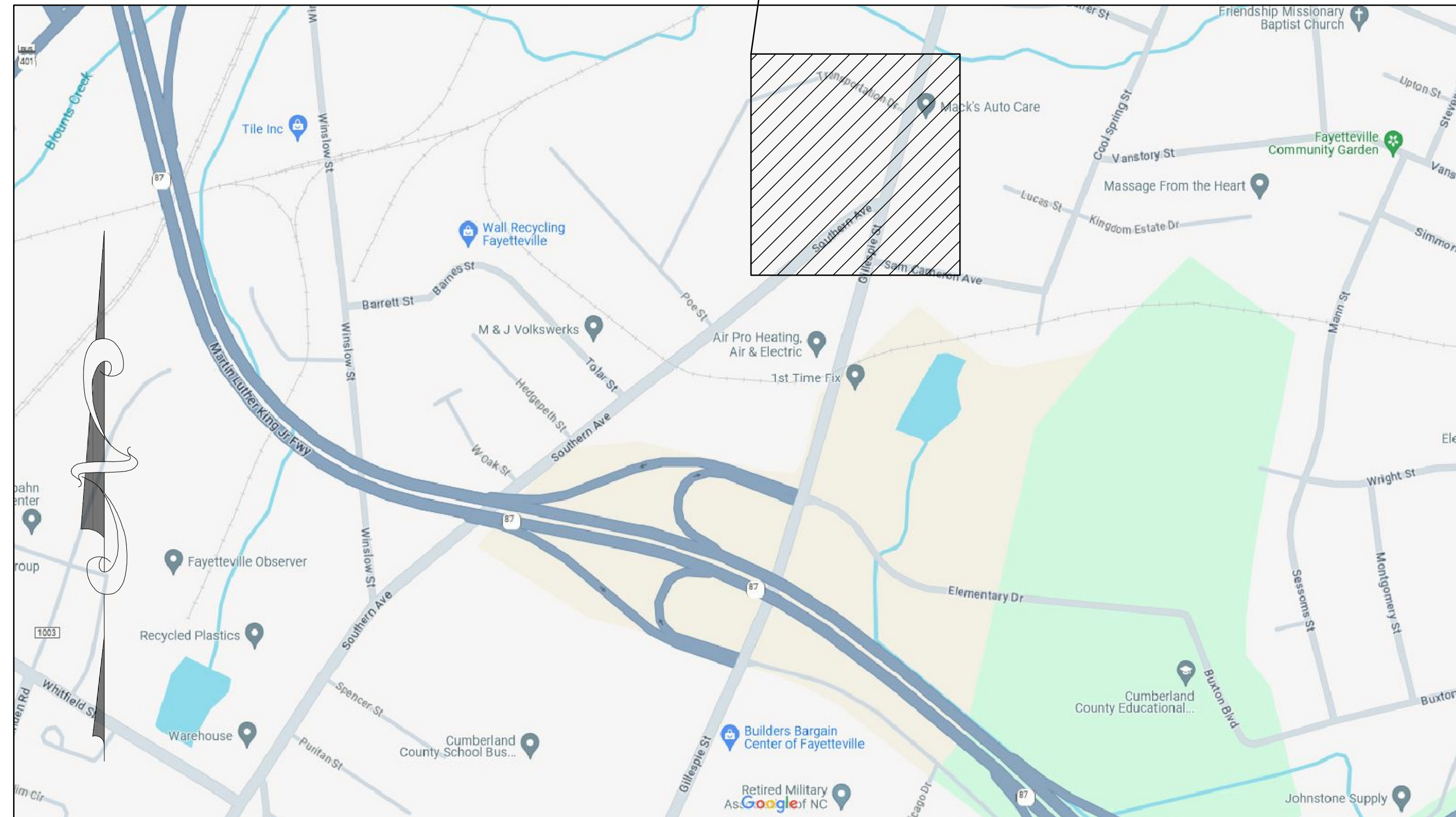
REVISIONS  
1 11-4-24 ADDRESS CHANGE  
2 12-6-24 ADDENDUM #1

SHEET NUMBER

TSI



CAMPUS MAP  
FAYETTEVILLE, NC



VICINITY MAP  
FAYETTEVILLE, NC

## PROJECT SUMMARY

Owner or Authorized Agent: Neil Butler Phone #: 910-364-0600  
e-mail: nbutler@ncdot.gov  
Owned By: ☐ Private ☐ City/County ☒ State  
Enforcement Jurisdiction: ☐ City ☐ County ☒ State  
Name of Jurisdiction: The State of North Carolina

PROJECT SUMMARY: Replace windows and doors at two buildings on the same site.  
Building Description: Building 600 appears to be a brick building with a wood framed roof. Building 558 appears to be a 12' brick exterior wall with a metal truss flat roof.  
Scope of Work: Replace windows & exterior doors at building 600. Replace windows & doors (interior & exterior) along with exhaust fan replacement at building 558. All new fixtures to be connected to existing ducts and electrical circuits / switches.

LEAD DESIGN PROFESSIONAL / PROJECT COORDINATOR: Gordon Johnson, AIA, LEED AP  
DESIGNER FIRM NAME NC LICENSE # TELEPHONE #  
Architectural: Gordon Johnson Architecture Gordon Johnson 6194 910-223-2186  
e-mail: gordon@gordonjohnsonarchitecture.com

## Drawing Sheet Index

TS1 Cover Sheet  
TS2 Notes, Symbols & Abbreviations  
D10 Building Demo Plans, Sections & Notes  
A10 Building 558 Floor Plan, Exterior Elevations & Notes  
A11 Building 600 Floor Plan, Exterior Elevations & Notes  
A20 Door & Frame Elevations & Sections

## BUILDING 600 CODE SUMMARY

**BUILDING DATA**  
THIS SECTION REQUIRED FOR ALL PROJECTS

Original Year of Construction: 1962  
Building Occupancy: Business (Unchanged)  
Construction Type: ☐ I-A ☐ I-B ☐ II-A ☐ II-B ☐ III-A ☒ III-B  
☐ IV-HT ☐ V-A ☐ V-B  
Mixed Construction: ☒ No ☐ Yes Types: \_\_\_\_\_  
☐ Partially Sprinklered ☐ NFPA 13 ☐ NFPA 13R ☐ Special Suppression  
Standpipes: ☒ No ☐ Yes Class: ☐ I ☐ II ☐ III ☐ Wet ☐ Dry  
Fire District: ☒ No ☐ Yes (Appendix D) ☐ Flood Hazard  
Building Height: \_\_\_\_\_ Feet \_\_\_\_\_ Story  
Basement: ☒ No ☐ Yes Mezzanine: ☒ No ☐ Yes  
Highrise: ☒ No ☐ Yes Life Safety Plan Sheet # (if provided): \_\_\_\_\_  
Gross Building Area:  
FLOOR EXISTING (SQ. FT.) NEW (SQ. FT.) SUB-TOTAL  
Basement n/a - n/a  
Ground Floor 2,350 - 2,350  
Mezzanine n/a - n/a  
2nd Floor n/a - n/a  
Total 2,350 - 2,350  
Area of Project Tenant / Alt. / Renov. Exterior Renov. Area of Construction Exterior Renov.

**2018 NORTH CAROLINA ENERGY CONSERVATION CODE**  
COMMERCIAL ENERGY EFFICIENCY - BUILDING SUMMARY

501.1 METHOD OF COMPLIANCE ☐ NC SPECIFIC COMCHECK PROVIDED  
☒ 2018 NCECC CHAPTER 5 ☐ 20% IMPROVEMENT OVER ASHRAE 90.1-2007  
501.2 APPLICATION COMPLIANCE  
☐ 506.2.1 EFFICIENT MECH EQUIPMENT ☐ 506.2.4 HI EFFICIENCY DOMESTIC HW  
☐ 506.2.2 REDUCED LTG DENSITY ☐ 506.2.5 ONSITE RENEWABLE ENERGY  
☐ 506.2.3 ENERGY RECOVERY SYSTEMS ☐ 506.2.6 DAYLIGHT CONTROLS

301.1 CLIMATE ZONE  
3A CUMBERLAND COUNTY, NORTH CAROLINA

DESIGN CONDITIONS  
EXTERIOR (ASHRAE 90.1 - 2007 TABLE D-1)  
winter dry bulb 18° F.  
summer dry bulb 91° F.  
summer wet bulb 74° F.

INTERIOR (2012 NCECC SECTION 302.1)  
winter dry bulb 72° F.  
summer dry bulb 75° F.

502.1 BUILDING ENVELOPE REQUIREMENTS  
BUILDING TYPE FOR ENVELOPE REQUIREMENTS: N/A  
VERTICAL GLAZING / WALL AREA %: N/A  
SKYLIGHT GLAZING / ROOF AREA%: N/A  
ACTIVITY TYPE(S) FLOOR AREA  
- -  
- -  
- -

502.2 OPAQUE INSULATION REQUIREMENTS

| COMPONENT NAME      | GROSS AREA OR PERIMETER | CAVITY R-VALUE | CONT. R-VALUE | PROPOSED U-FACTOR |
|---------------------|-------------------------|----------------|---------------|-------------------|
| ROOF                | -                       | -              | -             | N/A               |
| FLOOR               | -                       | -              | -             | N/A               |
| EXTERIOR WALL       | -                       | -              | -             | N/A               |
| WINDOW(S) WALL      | -                       | -              | -             | U-0.45            |
| STOREFRONT WINDOW   | -                       | -              | -             | N/A               |
| DOOR(S) WALL        | -                       | -              | -             | U-0.70            |
| SLAB (UNHEATED)     | -                       | -              | -             | N/A               |
| SLAB (HEATED)       | -                       | -              | -             | N/A               |
| WALL(S) BELOW GRADE | -                       | -              | -             | N/A               |

SIGNED:   
NAME: Gordon Johnson  
TITLE: Architect of Record

## EXIT REQUIREMENTS

| FLOOR, ROOM AND / OR SPACE DESIGNATION | MINIMUM <sup>2</sup> NUMBER OF EXITS |                | TRAVEL DISTANCE                          |                                       | ARRANGEMENT MEANS OF EGRESS <sup>13</sup> (SECTION 1001.1) |                                |
|----------------------------------------|--------------------------------------|----------------|------------------------------------------|---------------------------------------|------------------------------------------------------------|--------------------------------|
|                                        | REQUIRED                             | SHOWN ON PLANS | ALLOWABLE TRAVEL DISTANCE (TABLE 1017.2) | ACTUAL TRAVEL DISTANCE SHOWN ON PLANS | REQUIRED DISTANCE BETWEEN EXIT DOORS                       | ACTUAL DISTANCE SHOWN ON PLANS |
| Building 600                           | 1                                    | 3              | 100'                                     | APPROX. 50'                           | N/A                                                        | N/A                            |

## OCCUPANT LOAD AND EXIT WIDTH

| USE GROUP AND / OR SPACE DESCRIPTION | (a) AREA sq. ft. | (b) AREA PER OCCUPANT | (c) NUMBER OF OCCUPANTS | EGRESS WIDTH PER OCCUPANT (1005.3) |       |       |       | EXIT WIDTH (in.) |       |       |       |
|--------------------------------------|------------------|-----------------------|-------------------------|------------------------------------|-------|-------|-------|------------------|-------|-------|-------|
|                                      |                  |                       |                         | STAIR                              | LEVEL | STAIR | LEVEL | STAIR            | LEVEL | STAIR | LEVEL |
| Building 600                         | 2,350            | 100 (gross)           | 24                      | N/A                                | 0.2   | N/A   | 4.8   | N/A              | 10.2  | -     | -     |
| -                                    | -                | -                     | -                       | -                                  | -     | -     | -     | -                | -     | -     | -     |
| Total # of Occupants                 | -                | -                     | 24                      | -                                  | -     | -     | -     | -                | -     | -     | -     |

## BUILDING 558 CODE SUMMARY

**BUILDING DATA**  
THIS SECTION REQUIRED FOR ALL PROJECTS

Original Year of Construction: 1950  
Building Occupancy: Business (Unchanged)  
Construction Type: ☐ I-A ☐ I-B ☐ II-A ☐ II-B ☐ III-A ☒ III-B  
☐ IV-HT ☐ V-A ☐ V-B  
Mixed Construction: ☒ No ☐ Yes Types: \_\_\_\_\_  
☐ Partially Sprinklered ☐ NFPA 13 ☐ NFPA 13R ☐ Special Suppression  
Standpipes: ☒ No ☐ Yes Class: ☐ I ☐ II ☐ III ☐ Wet ☐ Dry  
Fire District: ☒ No ☐ Yes (Appendix D) ☐ Flood Hazard  
Building Height: \_\_\_\_\_ Feet \_\_\_\_\_ Story  
Basement: ☒ No ☐ Yes Mezzanine: ☒ No ☐ Yes  
Highrise: ☒ No ☐ Yes Life Safety Plan Sheet # (if provided): \_\_\_\_\_  
Gross Building Area:  
FLOOR EXISTING (SQ. FT.) NEW (SQ. FT.) SUB-TOTAL  
Basement Approx. 540 - Approx. 540  
Ground Floor 5,332 - 5,332  
Mezzanine n/a - n/a  
2nd Floor n/a - n/a  
Total Approx. 5,872 - Approx. 5,872  
Area of Project Tenant / Alt. / Renov. Exterior Renov. Area of Construction Exterior Renov.

**2018 NORTH CAROLINA ENERGY CONSERVATION CODE**  
COMMERCIAL ENERGY EFFICIENCY - BUILDING SUMMARY

501.1 METHOD OF COMPLIANCE ☐ NC SPECIFIC COMCHECK PROVIDED  
☒ 2018 NCECC CHAPTER 5 ☐ 20% IMPROVEMENT OVER ASHRAE 90.1-2007  
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VERTICAL GLAZING / WALL AREA %: N/A  
SKYLIGHT GLAZING / ROOF AREA%: N/A  
ACTIVITY TYPE(S) FLOOR AREA  
- -  
- -  
- -

502.2 OPAQUE INSULATION REQUIREMENTS

| COMPONENT NAME      | GROSS AREA OR PERIMETER | CAVITY R-VALUE | CONT. R-VALUE | PROPOSED U-FACTOR |
|---------------------|-------------------------|----------------|---------------|-------------------|
| ROOF                | -                       | -              | -             | N/A               |
| FLOOR               | -                       | -              | -             | N/A               |
| EXTERIOR WALL       | -                       | -              | -             | N/A               |
| WINDOW(S) WALL      | -                       | -              | -             | U-0.45            |
| STOREFRONT WINDOW   | -                       | -              | -             | N/A               |
| DOOR(S) WALL        | -                       | -              | -             | U-0.70            |
| SLAB (UNHEATED)     | -                       | -              | -             | N/A               |
| SLAB (HEATED)       | -                       | -              | -             | N/A               |
| WALL(S) BELOW GRADE | -                       | -              | -             | N/A               |

SIGNED:   
NAME: Gordon Johnson  
TITLE: Architect of Record

## EXIT REQUIREMENTS

| FLOOR, ROOM AND / OR SPACE DESIGNATION | MINIMUM <sup>2</sup> NUMBER OF EXITS |                | TRAVEL DISTANCE                          |                                       | ARRANGEMENT MEANS OF EGRESS <sup>13</sup> (SECTION 1001.1) |                                |
|----------------------------------------|--------------------------------------|----------------|------------------------------------------|---------------------------------------|------------------------------------------------------------|--------------------------------|
|                                        | REQUIRED                             | SHOWN ON PLANS | ALLOWABLE TRAVEL DISTANCE (TABLE 1017.2) | ACTUAL TRAVEL DISTANCE SHOWN ON PLANS | REQUIRED DISTANCE BETWEEN EXIT DOORS                       | ACTUAL DISTANCE SHOWN ON PLANS |
| Building 558                           | 2                                    | 3              | 200'                                     | APPROX. 62'                           | 68'                                                        | 78'                            |

## OCCUPANT LOAD AND EXIT WIDTH

| USE GROUP AND / OR SPACE DESCRIPTION | (a) AREA sq. ft. | (b) AREA PER OCCUPANT | (c) NUMBER OF OCCUPANTS | EGRESS WIDTH PER OCCUPANT (1005.3) |       |       |       | EXIT WIDTH (in.) |       |       |       |
|--------------------------------------|------------------|-----------------------|-------------------------|------------------------------------|-------|-------|-------|------------------|-------|-------|-------|
|                                      |                  |                       |                         | STAIR                              | LEVEL | STAIR | LEVEL | STAIR            | LEVEL | STAIR | LEVEL |
| First Floor                          | 5,332            | 100 (gross)           | 54                      | N/A                                | 0.2   | N/A   | 10.8  | N/A              | 10.2  | -     | -     |
| Basement                             | 540              | 300 (gross)           | 2                       | N/A                                | 0.2   | N/A   | 0.4   | N/A              | 34    | -     | -     |
| -                                    | -                | -                     | -                       | -                                  | -     | -     | -     | -                | -     | -     | -     |
| Total # of Occupants                 | -                | -                     | 56                      | -                                  | -     | -     | -     | -                | -     | -     | -     |