

# Harris Teeter

## Remodel of Store No. 149

### Northwood Square

### Rock Hill, SC

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### FOR ALL COMMERCIAL PROJECTS

Name of Project: Harris Teeter #149  
Address: 2750 Celanese Road, Rock Hill, SC 29730  
Proposed Use: Mercantile  
Owner or Authorized Agent: Rajeev Bhawe  
Owned By: Harris Teeter  
City/County: Private  
State: South Carolina  
County: York

LEAD DESIGN PROFESSIONAL: RAJEEV BHAVE  
DESIGNER: FIRM NAME LICENSE # PHONE # E-MAIL  
Architectural: ARCONS Design Studio Rajeev Bhawe 4503 704.542.5252  
Civil: \_\_\_\_\_  
Electrical: \_\_\_\_\_  
Fire Alarm: \_\_\_\_\_  
Plumbing: \_\_\_\_\_  
Mechanical: \_\_\_\_\_  
Sprinkler-Standpipe: \_\_\_\_\_  
Structural: \_\_\_\_\_  
Refrigeration: \_\_\_\_\_

YEAR EDITION OF CODE: 2006 IBC  
 New Construction  Renovation (Existing Bldg.)  Upfit  Alteration

**BUILDING DATA** 2009 - IBC  
Construction Type:  I-A/I  I-B/I  I-C/I  I-D/I  I-E/I  I-F/I  I-G/I  I-H/I  I-I/I  I-J/I  I-K/I  I-L/I  I-M/I  I-N/I  I-O/I  I-P/I

**SPRINKLERS:**  No  Yes  
**STANDPIPES:**  No  Yes  
**FIRE DISTRICT:**  No  Yes  
**BUILDING HEIGHT:** 32.0 Feet  
**MEZZANINE:**  No  Yes  
**GROSS BUILDING AREA (sq. ft.):** RENO/UPFIT  
FLOOR EXISTING NEW  
Mezzanine: 1,525 sq ft  
1st Floor of Harris Teeter: 46,980 sq ft  
TOTAL: 48,505 sq ft

**ALLOWABLE AREA**

Primary Occupancy:  Assembly  A-1  A-2  A-3  A-4  A-5  
 Business  Education  Factory-Industrial  F-1  F-2  
 High-Hazard  H-1  H-2  H-3  H-4  H-5  
 Institutional  I-1  I-2  I-3  I-4  I-5  
 1-3 Use Condition  1  2  3  4  5  
 Mercantile  Residential  R-1  R-2  R-3  R-4  
 Storage  S-1  S-2  High-piled  
 Utility and Miscellaneous  Parking Garage  Open  Enclosed  Repair

Secondary Occupancy: NONE

Special Occupancy:  509.2  509.3  509.4  509.5  509.6  509.7  509.8

Mixed Occupancy:  No  Yes Separation: \_\_\_\_\_ Hr. Exception: \_\_\_\_\_

Non-Separated Mixed Occupancy (508.1.2)  
The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.

Separated Mixed Occupancy (508.3.3) - See below for area calculations  
For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.  
Actual Area of Occupancy A / Allowable Area of Occupancy A + Actual Area of Occupancy B / Allowable Area of Occupancy B = \_\_\_\_\_ ≤ 1.00

STORY NO.	DESCRIPTION AND USE	(A) BLDG. AREA PER STORY (ACTUAL)	(B) TABLE 503.5 OPEN SPACE INCREASE <sup>1</sup>	(C) AREA FOR INCREASE <sup>2</sup>	(D) AREA FOR INCREASE <sup>2</sup>	(E) ALLOWABLE AREA UNLIMITED <sup>3</sup>	(F) MAXIMUM BUILDING AREA <sup>4</sup>
Single Level	Supermarket	48,505 sq ft	12,500	N/A	N/A	Unlimited	Per 507.3

<sup>1</sup> Open space area increases from Section 506.2 are computed thus:  
a. Perimeter which fronts a public way or open space having 20 feet minimum width = \_\_\_\_\_ (F)  
b. Total Building Perimeter = \_\_\_\_\_ (P)  
c. Ratio (F/P) = \_\_\_\_\_ (F/P)  
d. W = Minimum width of public way = \_\_\_\_\_ (W)  
e. Percent of frontage increase I = 100 [(F/P) - 0.25] x W/30 = \_\_\_\_\_ (%)

<sup>2</sup> The sprinkler increase per Section 506.3 is as follows:  
a. Multi-story building is 200 percent  
b. Single story building is 300 percent

<sup>3</sup> Unlimited area applicable under conditions of Sections Group B, F, M, S, A-4, (507.1, 507.2, 507.3, 507.4, 507.5); Group A, million picture (507.10); Malls (402.6); and H-2 aircraft paint hangars (507.6).

<sup>4</sup> Maximum Building Area = total number of stories in the building x E but not greater than 3 x E.

<sup>5</sup> The maximum area of parking garages must comply with 406.3.5. The maximum area of air traffic control towers must comply with 412.1.2.

**ALLOWABLE HEIGHT**

Type of Construction	ALLOWABLE (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
Building Hgt. in Feet	Type I-B	Type I-B		602.2
Building Hgt. in Feet	Feet 55	Feet +H+20= 75	Feet 36'-0"	504.2
Building Hgt. in Stories	Stories 1	Stories +1= 5	Stories 1	507.3

### FIRE PROTECTION REQUIREMENTS \*\*\* Existing to Remain - No Change \*\*\*

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	REDUCED (W/REDUCTION)	RATING PROVIDED	DETAIL AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATED	DESIGN # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses							
Bearing Walls							
Exterior							
North							
East							
West							
South							
Interior							
Nonbearing walls and Partitions							
Exterior							
North							
East							
West							
South							
Interior							
Floor Construction including supporting beams and joists **							
Roof Construction including supporting beams and joists							
Shafts - Exit							
Shafts - Other							
Corridor Separation							
Occupancy Separation							
Party/Fire Wall Separation							
Smoke Barrier Separation							
Tenant Separation							

\* Indicate section number permitting reduction \*\* Ceiling panels are not a part of floor assembly.

### LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting:  No  Yes  
Exit Signs:  No  Yes  
Fire Alarm:  No  Yes  
Smoke Detection Systems:  No  Yes  
Panic Hardware:  No  Yes

N.C. = Non Combustible  
N.R. = Not Required  
N/A = Not Applicable

### EXIT REQUIREMENTS NUMBER AND ARRANGEMENT OF EXITS

FLOOR, ROOM OR SPACE DESIGNATION	MINIMUM NUMBER OF EXITS REQUIRED	SHOWN ON PLANS	ALLOWABLE TRAVEL DISTANCE (TABLE 1015.1)	ACTUAL TRAVEL DISTANCE SHOWN ON PLANS	ARRANGEMENT MEANS OF EGRESS <sup>1,2</sup> (SECTION 1015.1)	ACTUAL DISTANCE SHOWN ON PLANS
SUPERMARKET	4	4	250'	207'-0"	1/3 Diagonal	158'-0"
						98'-2"

### EXIT WIDTH \*\*\* Exits are Existing - No Change \*\*\*

USE GROUP OR SPACE DESCRIPTION	(a) AREA <sup>1</sup> sq. ft.	(b) AREA <sup>1</sup> PER OCCUPANT (Table 1004.1.1)	(c) EGRESS WIDTH PER OCCUPANT (Table 1005.1)	REQUIRED WIDTH (a ÷ b) x c	ACTUAL WIDTH SHOWN ON PLANS
Grade Floor	41,783	30 / 1,393	2 .15	N/A	209"
Storage / Stock	5,197	300 / 17	2 .15	N/A	3"
Mezzanine	1,525	60 / 25	2 .15	5"	4"
Total	48,505	1,435 Occ.		5"	216" 38" 448"

<sup>1</sup> See Table 1004.1.1 to determine whether net or gross area is applicable.  
<sup>2</sup> See definition "Area, Gross" and "Area, Net" (Section 1002).  
<sup>3</sup> Footnote deleted  
<sup>4</sup> Minimum stairway width (Section 1009.1); min. corridor width (Section 1017.2); min. door width (Section 1006.1)  
<sup>5</sup> Minimum width of exit passageway (Section 1021.2)  
<sup>6</sup> The loss of one means of egress shall not reduce the available capacity to less than 50 percent of the total required (Section 1005.1)  
<sup>7</sup> Assembly Occupancies (Section 1025).

### PLUMBING FIXTURES PROVIDED \*\*\* Fixtures are Existing - No Change \*\*\*

OCCUPANCY and Occ. Load per Plumbing Code Table 403.1	WATER CLOSETS		URINALS	LAVATORIES		SHOWERS/DRINKING FOUNTAINS	
	MALE	FEMALE		MALE	FEMALE	TUBS	REGULAR ACCESSIBLE
Mercantile							

### ACCESSIBLE PARKING \*\*\* No Modification to Existing Parking \*\*\*

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES	# OF ACCESSIBLE SPACES PROVIDED	VAN SPACES W/ 8' ACCESSIBLE	
			REQUIRED	PROVIDED
EXISTING TO REMAIN				

### SPECIAL APPROVALS

Special Approval: (Local jurisdiction, Department of Insurance, SBCCI, ICC, etc., describe below)

### SCHEDULE OF SPECIAL INSPECTION SERVICES

- No special inspections required for this project  Special inspections required
- The following sheets comprise the required schedule of special inspections for this project. The construction divisions which require special inspections for this project are as follows:
- IT-1 Verification of Sols
  - IT-2 Excavation and Fill
  - IT-3 Piling and Drilling Piers
  - IT-4 Modular Retaining Walls
  - IT-5 Reinforced Concrete
  - IT-6 Post Tension Slab
  - IT-7 Pre-Cast Concrete Erection
  - IT-8 Pre-Stressed Concrete
  - IT-9 Inspection of Pre-Cast Fabricators
  - IT-10 Inspection of Structural Steel Fabricators
  - IT-11 Structural Masonry
  - IT-12 Welding
  - IT-13 High Strength Bolts and Steel Framing Ins.
  - IT-14 Sprayed Fire Resistance Materials
  - IT-15 Exterior Insulation and Finish System
  - IT-16 Seismic Resistance
  - IT-17 Smoke Control
  - IT-18 Detention Basin
  - IT-19 Special Cases

Check the above boxes for the special inspection required for this project and list below specific special inspections required under chapter 17.

### ENERGY SUMMARY \*\*\* No Modification to Existing Thermal Envelope \*\*\*

**ENERGY REQUIREMENTS:**  
The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If energy cost budget method, state the annual energy cost budget vs. allowable annual energy cost budget.

**THERMAL ENVELOPE Thermal Zone: 7A**

### METHOD OF COMPLIANCE:

Prescriptive  Performance  Energy Cost Budget

\*\*\* See Mechanical Drawings for Energy Summary Data \*\*\*

### STRUCTURAL DESIGN

SEE STRUCTURAL DOCUMENTS FOR STRUCTURAL DESIGN STATEMENT

### ELECTRICAL SYSTEM AND EQUIPMENT

SEE ELECTRICAL DOCUMENTS FOR ELECTRICAL DESIGN STATEMENT

### MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

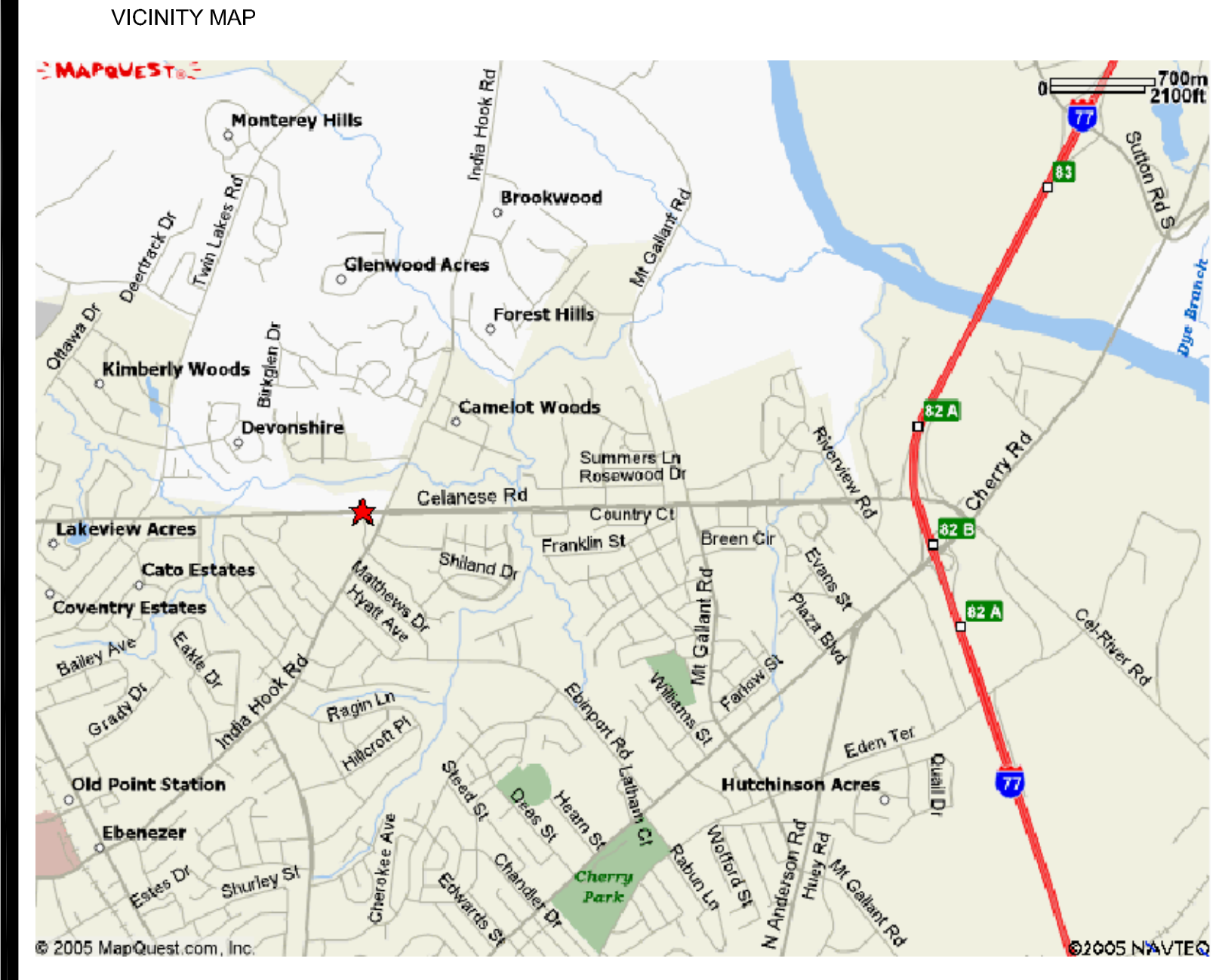
SEE MECHANICAL DOCUMENTS FOR MECHANICAL DESIGN STATEMENT

### FLOOD HAZARD ZONE

NO CIVIL WORK BEING PERFORMED

### LEGEND

	CMU BLOCK WALL		ELEVATION MARKER
	STUD WALL		
	BRICK VENEER		
	FREEZER/COOLER WALLS		SECTION MARKER
	WALL TYPE MARKER		
	WINDOW MARKER		
	DOOR MARKER		DETAIL NUMBER
	REVISION INDICATOR		SHEET NUMBER
	CHANGE BUBBLE		ELEVATION MARKER



### Harris Teeter National Account Contact List

- Revision date August 7, 2011
- Product:** Section 05500: Stainless steel Cart Ralls  
**Supplier:** Lambert Metal Services, LLC  
**Contact Person:** Darrell Lambert  
6825-E Hill Park Drive  
Virginia 22079  
Office: 571-261-5811  
Fax: 571-261-5812  
Cell: 703-732-6486  
[lambertmetalsva@aol.com](mailto:lambertmetalsva@aol.com)
- Product:** Section 09690: Carpet Tiles, Dominator  
**Supplier:** Charles Van Gelder Importers  
**Contact Person:** Greg Griffin  
Portico Systems  
1200 Woodruff Road, Fl. A3  
Greenville, SC 29607  
Office: 864-430-3997  
Fax: 864-527-3149  
[greggriffin@porticosystems.com](mailto:greggriffin@porticosystems.com)
- Product:** Section 09651: Resilient Floor Tile  
**Supplier:** Armstrong Floor Products  
**Contact Person:** Roxanne Shell  
Armstrong Floor Products  
5812 Cross Point Court  
Wahaw, NC 28173  
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Office: 704-243-1738  
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Cell: 704-516-3261