

International Building Code 2003 w/ statewide amendments

NFPA-101 Life Safety Code
NFPA-13 National Fire Protection Code
ICC / ANSI A117.1 - 1998 Accessibility Code

Appendix B Building Code Summary For All Commercial Projects

Name of Project: **WALGREENS DRUG STORE #10100**
Address: **CELANO SPRINGS ROAD & SHOUTFORD ROAD**
City: **SPARTANBURG** County: **SPARTANBURG**
Owner/Authorized Agent: **ROBERT MORAN** Phone # **(704) 372-0114**
Code Enforcement Jurisdiction: CITY COUNTY

LEAD DESIGN PROFESSIONAL: **ROBERT F. MORAN**
DESIGNER: **DMR ARCHITECTURE** FIRM: **DMR ARCHITECTURE** NAME: **ROBERT F. MORAN** LICENSE # **6834** TELEPHONE # **(704) 372-0114**
Architectural: **DAVID HALL** FIRM: **HALL ENGINEERING** NAME: **DAVID HALL** LICENSE # **8309** TELEPHONE # **(864) 378-1540**
Civil: **RICK MORRISON** FIRM: **SABER ENGINEERING** NAME: **RICK MORRISON** LICENSE # **21077** TELEPHONE # **(704) 373-0058**
Electrical: **GREGORY ANDREWS** FIRM: **SABER ENGINEERING** NAME: **GREGORY ANDREWS** LICENSE # **21092** TELEPHONE # **(704) 373-0058**
Mechanical: **JAMES A. TERRELL** FIRM: **SABER ENGINEERING** NAME: **JAMES A. TERRELL** LICENSE # **21136** TELEPHONE # **(704) 373-0058**
Structural: **MATT ENDERHER** FIRM: **MOORE LINDNER ENGINEERING** NAME: **MATT ENDERHER** LICENSE # **29234** TELEPHONE # **(704) 364-8322**
Roofing: **None**
Other: **None**

YEAR EDITION OF CODE: **2000** W/ 2002 REVISIONS
 New Construction Renovation (Existing Bldg.) Upfit Alteration

BUILDING DATA:
Construction Type: IA IB IIA IIB IIA IIB IIA IIB
Roof Construction: Flat Gable Hip Other
Roof Slope: 0 1/2 1 2 3 4 5 6 7 8 9 10 12 15 18 20 24 30 36 45 60 90
Fire District: No Yes
Building Height: **28** Feet Number of Stories: **1** Unfinished per: **0**
Elevator: No Yes
High Rise: No Yes
Critical Building Area: No Yes

FLOOR	Existing (Sq Ft)	New (Sq Ft)	Sub-Total (Sq Ft)
4th Floor			
3rd Floor			
2nd Floor			
Mezzanine			
1st Floor	NA	14,820	14,820
Basement			
TOTAL		14,820	14,820

ALLOWABLE AREA:
Primary Occupancy:
 Assembly A-1 A-2 A-3 A-4 A-5
 Business Educational Factory-Industrial F-1 F-2 F-3
 High-Rise H-1 H-2 H-3 H-4 H-5
 Medium-Rise M-1 M-2 M-3 M-4 M-5
 Mercantile Residential R-1 R-2 R-3 R-4
 Storage S-1 S-2 High-Pile S-3
 Utility and Miscellaneous Parking Garage Open Enclosed Rappor
Secondary Occupancy:
Specialty Occupancy: S0B.2 S0B.3 S0B.4 S0B.5 S0B.6 S0B.7 S0B.8
Mixed Occupancy: No Yes

Actual Area of Occupancy A: **14,820**
Allowable Area of Occupancy A: **14,820**
Actual Area of Occupancy B: **0**
Allowable Area of Occupancy B: **0**

Story No.	Description and Use	(A) Area (Actual)	(B) Allowable Area (Actual)	(C) Area For Open Space Increase 1	(D) Area For Open Space Increase 2	(E) Unfinished Area (Actual)	(F) Maximum Building Area 4
1	MERCANTILE	14,820	14,820			UNLIMITED	14,820

1. Open space area increases from Section 506.2 are computed as follows:
a. Perimeter which limits a public way or open space having 20 feet minimum width = (P)
b. Total Building Perimeter = (P)
c. Ratio (P/P) = (P/P)
d. W = minimum width of public way
e. Percent of footage increase = $100 \times (P/P - 0.25) \times W/30$
2. Maximum building area = 2000
3. Single Story Building = 3000
4. Unfinished area applicable under conditions of Section Group B, F, H, S, A-1 (S07.1, S07.2, S07.3, S07.5). Group A means picture (S07.8), Malls (M02.4), and M2 (outfit) (S07.6).
5. Maximum Building Area = (total number of stories in the building) x F but not greater than 3 x E.
6. The maximum area of parking garage must comply with 406.3.5. The maximum area of parking garage must comply with 412.2.

ALLOWABLE HEIGHT:

Type of Construction	Type	Allowable Height (Feet)	Stories
TYPE B.B	TYPE B.B	Feet=H=20 - 75	2P
TYPE B.B	TYPE B.B	Feet=H=20 - 75	2P

FIRE PROTECTION REQUIREMENTS:

Building Element	Fire Separation Distance (Feet)	Rating	Approved (w/ or w/o) Protection	Detail # For Ruled Plans	Design # For Ruled Plans	Design # For Ruled Plans
Structural Frame, including columns, girders, joists	N/A					
Bearing walls	N/A					
North						
East						
West						
South						
Roof	N/A					
Interior						
North						
East						
West						
South						
Stair	N/A					
Elevator	N/A					
Other						

PLUMBING FIXTURE REQUIREMENTS:

Occupancy	Waterclosets Male	Waterclosets Female	Urinals	Lavatories	Shower/ Tubs	Drinking Fountains
MERCANTILE	1	2	1	1	2	1
Total	74	77	2	2	2	4

ACCESSIBLE PARKING:

Level or Parking Area	Total # of Parking Spaces Required	# of Accessible Spaces Provided	Total # Accessible Provided
2 SR ACRES	74	77	4
Total	74	77	4

LIFE SAFETY SYSTEM REQUIREMENTS:
Emergency Lighting: No Yes
Exit Signs: No Yes
Smoke Detection Systems: No Yes
Panic Hardware: No Yes

EXIT REQUIREMENTS:
NUMBER AND ARRANGEMENT OF EXITS:

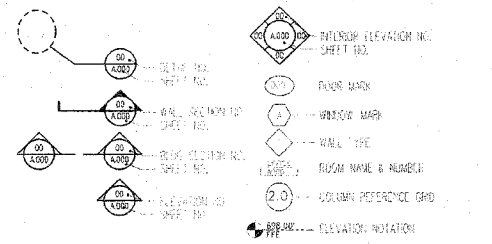
Floor, Room or Space Designation	Minimum Number of Exit Doors	Travel Distance (Feet)	Arrangement Means Of Egress (Section 1004.1)
Ground Floor	2	250	127

EXIT WIDTH:

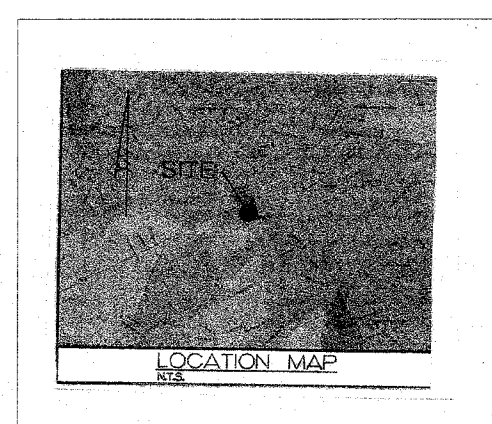
Use Group	Area (Sq Ft)	Exit Width (Feet)	Actual Width (Feet)	Actual Width (Feet)
Mercantile	14,392	30 gross=354	N/A	15
Storage	1,689	300 gross=6	N/A	15
Business	1,665	100 gross=17	N/A	15

STRUCTURAL DESIGN: SEE STRUCTURAL DRAWINGS
Design Loads:
Wind: **15** psf
Snow: **0** psf
Live Loads:
Roof: **20** psf
Floor: **40** psf
Stair: **40** psf
Wind Load: **Basic Wind Speed: 110 mph**
Exposure Category: **Wind Base Speed for MWRF: 110 mph**
Seismic Design Category: **Compliance with Section 1614.4 only: [] No [X] Yes**
Seismic Design Category B, C, & D:
Provide the following Seismic Design Parameters:
Seismic Use Group: **SMW**
Special Response Acceleration: **Smw = 0.1g**
Site Classification: **SMW**
Basic Structural System (check one):
[] Bearing wall [] Dual w/ Special Moment Frame
[] Building frame [] Steel w/ Inter. M/C or Special Steel
[] Moment frame [] Special Perimeter
Seismic Base Shear: **Smw = 0.1g**
Analysis Procedure: **Simplified**
Equivalent Lateral Force: **Model**
Architectural/Mechanical Components anchored:
Earthquake: **Wind**
Lateral Design Control:
Soil Bearing Capacity: **Field Test (provide copy of test report)** psf
Presumptive Bearing Capacity: **psf**
Soil Type, and capacity:
Frost Depth: **psf**

Graphics Symbols



Location Map



Release Dates

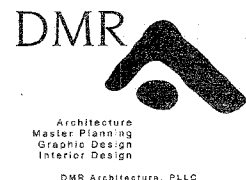
Release Date	Event
22 MAR 2006	RELEASED FOR WALGREENS REVIEW
26 MAY 2006	REVISED PER WALGREENS COMMENTS
4 OCT 2006	REVISED PER WALGREENS COMMENTS
28 NOV 2006	REVISED PER WALGREENS COMMENTS
18 DEC 2006	REVISED PER WALGREENS COMMENTS
9 FEB 2007	REVISED PER WALGREENS COMMENTS
25 APR 2007	REVISED PER CITY COMMENTS

ELECTRICAL SUMMARY: SEE ELECTRICAL SHEETS
Method Of Compliance: Prescriptive Performance Energy Cost Budget
Thermal Zone: **winter dry bulb, summer dry bulb**
Interior Design Conditions: **winter dry bulb, summer dry bulb, relative humidity**
Building Heating Load:
Building Cooling Load:
Mechanical Space Conditioning System:
Description of unit:
heating efficiency
cooling efficiency
heat method of unit
cooling output of unit
Boiler:
boiler output, if oversized, state reason
Chiller:
total chiller capacity, if oversized, state reason
Use Equipment Efficiencies:
Equipment Schedules With Motors: (mechanical systems)
motor horsepower
number of phases
minimum efficiency
motor type
of poles

MECHANICAL SUMMARY: SEE MECHANICAL SHEETS
Method Of Compliance: Prescriptive Performance Energy Cost Budget
Thermal Zone: **winter dry bulb, summer dry bulb**
Interior Design Conditions: **winter dry bulb, summer dry bulb, relative humidity**
Building Heating Load:
Building Cooling Load:
Mechanical Space Conditioning System:
Description of unit:
heating efficiency
cooling efficiency
heat method of unit
cooling output of unit
Boiler:
boiler output, if oversized, state reason
Chiller:
total chiller capacity, if oversized, state reason
Use Equipment Efficiencies:
Equipment Schedules With Motors: (mechanical systems)
motor horsepower
number of phases
minimum efficiency
motor type
of poles

Index of Drawings

COVER SHEET	RELEASED FOR WALGREENS REVIEW 22 MARCH 2006	REVISED PER WALGREENS COMMENTS 26 MAY 2006	REVISED PER WALGREENS COMMENTS 4 OCT 2006	REVISED PER WALGREENS COMMENTS 28 NOV 2006	REVISED PER WALGREENS COMMENTS 18 DEC 2006	REVISED PER WALGREENS COMMENTS 9 FEB 2007	REVISED PER CITY COMMENTS 25 APR 2007
100 COVER SHEET / CODE INFORMATION / LOCATION MAP	X	X	X	X	X	X	X
CIVIL							
C1.1 DEMOLITION PLAN	X	X	X	X			X
C1.1 SITE PLAN	X	X	X	X			X
C2.1 GRADING PLAN	X	X	X	X			X
C3.1 UTILITY PLAN	X	X	X	X			X
DT1.1 MISCELLANEOUS DETAILS	X	X	X	X			X
DT2.1 MISCELLANEOUS DETAILS	X	X	X	X			X
L1.1 LANDSCAPE PLAN	X	X	X	X			X
IR1 IRRIGATION PLAN			X				
ARCHITECTURAL							
D.1 FIXTURE FLOOR PLAN (PROVIDED BY WALGREENS)	X	X					
A0.0 EXTERIOR SIDEWALK PLAN AND DETAILS	X	X					
A0.1 LIFE SAFETY PLAN	X	X					
A1.1 GENERAL FLOOR PLAN & SCHEDULES	X	X	X	X			
A1.2 REFLECTED CEILING PLAN AND DETAILS	X	X					
A1.3 ROOF PLAN & DETAILS	X	X					
A1.4 ROOF DETAILS	X						
A2.1 EXTERIOR ELEVATIONS, DETAILS, SIGN DATA	X	X					X
A2.2 WALL SECTIONS	X	X					
A2.3 WALL SECTIONS	X	X					
A2.4 WALL SECTIONS	X	X					
A2.5 WALL SECTION DETAILS	X						
A3.1 INTERIOR ELEVATIONS AND DETAILS	X	X					
A4.1 STANDARD DETAILS	X	X					
A4.2 ENLARGED RESTROOM PLAN & DETAILS	X	X	X	X			
A4.3 DOOR SCHEDULE	X	X					
A4.4 E.F. BASIS DRIVE-THRU SERVICE WINDOW DETAILS	X						
A4.5 ROOF CURB DETAILS	X	X					
A5.1 READER BOARD PYLON SIGN DETAILS	X						X
A5.2 EXTERIOR SIGN DATA	X	X					X
A5.1 SATELLITE DISH ANTENNA SUPPORT	X						
STRUCTURAL							
S001 GENERAL NOTES	X				X		
S002 TYPICAL DETAILS	X						
S003 TYP. DETAILS & ABBREVIATIONS	X						
S004 SPECIAL INSPECTION NOTES	X						
S005 SPECIAL INSPECTION NOTES	X						
S100 FOUNDATION PLAN	X	X					
S101 ROOF FRAMING PLAN	X	X					
S200 SECTIONS	X	X					
S201 PART ELEVATION & DETAILS	X	X					
PLUMBING							
P1.1 PLUMBING FLOOR PLAN, NOTES & LEGEND	X	X	X	X			
P2.1 PLUMBING DETAILS AND SCHEDULES	X	X	X	X			
P3.1 PLUMBING RISERS & ENLARGED PLAN	X	X	X	X			
MECHANICAL							
M1.1 MECHANICAL FLOOR PLAN	X	X	X	X			
M2.1 MECHANICAL DETAILS	X	X			X		
M2.2 MECHANICAL SCHEDULES	X	X	X	X	X		
MEL1 EMS WIRING BLOCK DIAGRAM	X	X	X	X			
ELECTRICAL							
E2.1 ELECTRICAL SITE PLAN	X	X	X	X			
E0.1A SITE PHOTOMETRIC PLAN	X	X	X	X			
E1.1 LIGHTING PLAN	X	X	X	X			
E1.2 ELECTRICAL POWER PLAN	X	X	X	X			
E1.3 ETHERNET AND SATELLITE PLANS	X	X					
E1.4 BURGLAR ALARM & CCTV PLANS	X						
E1.5 TELEPHONE & SOUND PLANS	X				X	X	
E1.6 FIRE ALARM AND SPARE CONDUIT PLANS	X	X	X	X			
E1.7 CHANNEL LETTER LED SYSTEM	X				X		
E2.1 POWER RISER & DETAILS	X	X	X	X			
E2.1A LIGHTING CONTROLS	X	X					
E2.1B LIGHTING CONTROLS	X	X					
E2.1C LIGHTING CONTROLS	X	X	X	X			
E3.1 ELECTRICAL PANEL SCHEDULES	X	X					
E4.1 LIGHTING DETAILS	X	X					
E4.2 SATELLITE SYSTEM DETAILS	X	X					
E4.3 ELECTRICAL DETAILS	X	X					
E4.4 ELECTRICAL DETAILS	X					X	
E4.5 ELECTRICAL DETAILS	X						
E4.6 AIR CURTAIN DETAILS	X						



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Walgreens STORE #010100

SPARTANBURG, SC 06011

REVISED PER CITY COMMENTS

Project Team

ARCHITECT	STRUCTURAL	PLUMBING/ELECTRICAL	CIVIL
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1125 E MOREHEAD ST SUITE 208 CHARLOTTE, NC 28204 T: 704 / 373-0068
14 MANLY STREET GREENVILLE, SC 29601 T: 864 / 370-1007