

BUILDING CODE DATA

Name of Project: NUEVA ESPERANZA SDA CHURCH
 Address: 7681 S. 2200 W., WEST JORDAN, UTAH
 Proposed Use: CHURCH FACILITY
 Owner or Contractor Person: 1 Phone no.: 1
 Owner Bx: City/County Private State
 Code Enforcement Jurisdiction: City County
 Year Edition of Code: DC BUILDING CODE 2008 (2008 IBC & CONSTRUCTION CODES SUPPLEMENT (2A, DCMR BUILDING CODE SUPPLEMENT))

BUILDING DATA
 Construction Type: I-A I-B II-A II-B III-A III-B
 IV V-A V-B
 Sprinklers: No Yes NFPA 13B NFPA 13D
 Standpipes: No Yes Class: I II III Wet Dry
 Fire District: No Yes
 Building Height: 23 Feet No. of Stories: 1 Unlimited per:
 Mezzanine: No Yes
 High Rise: No Yes Central Ref. Sht. # (if provided) _____

Gross Building Area:

FLOOR	Ex. S.F.	New S.F.	Sub-Total
New Building		2,459/sf.	4,918

ALLOWABLE AREA
 Primary Occupancy: Assembly A-1 A-2 A-3 A-4 A-5
 Business Educational Factory/Indus. 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 A-4
 I-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: _____
 Special Provisions: 508.2 508.3 508.4 508.5 508.6 508.7

Mixed Occupancy: Yes No Separation: _____ Hr. Exception: _____
 Non-Separated Mixed Occupancy (508.3.2)
 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 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 exceed 1.
 Actual Area of Occupancy A + Actual Area of Occupancy A ≤ 1
 Allowable Area of Occupancy A + Allowable Area of Occupancy A ≤ 1

Story No.	Description and Use	(A) Bldg. Area (Actual)	(B) Table 503 ⁵ Area for Increase ¹	(C) Area for Open Space Increase ²	(D) Area for Sprinkler Increase ³	(E) Allowable Building Area ⁴	(F) Maximum Building Area ⁴
Addition	Assty - A3	2,459	6,000	2,452	12,000	20,452	

¹ Open space area increases from Sec. 506.2 are computed thus:
 a. Perimeter which fronts a public way or open space having 20 feet min. width = 308/135 (F)
 b. Total Building Perimeter = 348/135 (P)
 c. Ratio (F/P) = .92 (F/P)
 d. W = Minimum width of public way = 20/30 (W)
 e. Percent of fringe increase = 100 [(F/P) - 0.25] x W/30 = 43/75 (%)
² The sprinkler increase per Sec. 506.3 is as follows:
 a. Multi-story building = 200 percent
 b. Single story building = 300 percent
³ Unlimited are applicable under conditions of Sec. Group B, F, M, S, A-4 (507.1), 507.2, 507.3 (507.5). Group A motion picture (507.9), Halls (402.6), and H-2 aircraft paint hangers (507.6).
⁴ Maximum Building Area = total number of stories in the building x E but not greater than 3 x E.
⁵ The maximum area of parking garages must comply with 408.3.5 the maximum area of air traffic control towers must comply with 412.1.

ALLOWABLE HEIGHT

ALLOWABLE (Table 503) per Story (Actual)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
Type V-B	Type V-B	Type V-B	
Feet 23	Feet = H + 20 =	Feet = H + 20 =	
Stories 2	Stories + 1 =	Stories + 1 =	2

building addition to: washington 7th day baptist church washington, d.c.

- drawing index**
- M1 COVER SHEET
 - M2 HVAC FLOOR PLAN
 - M3 HVAC DETAILS & SCHEDULES
 - A1 FOUNDATION PLAN, DETAILS & NOTES
 - A2 BASEMENT & MAIN FLOOR PLANS
 - A3 REFLECTED CEILING PLANS & INTERIOR ELEVATIONS
 - A4 FRAMING & ROOF PLANS, NOTES & DETAILS
 - A5 EXTERIOR ELEVATIONS
 - A6 ROOM FINISH & DOOR SCHEDULES & DETAILS
 - A7 BUILDING SECTIONS & DETAILS
 - A8 WALL SECTIONS & DETAILS
 - A9 BAPTISTERY & STAIR SECTIONS
 - A10 RAMP SECTIONS & DETAILS
 - AS1 ACCESSIBILITY STANDARDS SPECIFICATIONS
 - E1 ELECTRICAL SPECIFICATIONS & NOTES
 - E2 ELECTRICAL FLOOR PLAN SCHEDULES & DETAILS
 - E3
 - P1 PLUMBING FLOOR PLAN
 - P2 PLUMBING RISER DIAGRAMS
 - P3 PLUMBING DETAILS, NOTES & SCHEDULES

- project directory**
- owner/client:**
 WASHINGTON 7TH DAY
 BAPTIST CHURCH
 PASTOR P. J. ANDRES
 4700 R STREET, NW
 WASHINGTON, DC 20011-4331
- architect:**
 RICK JACK/DESIGN
 RICK A. JACK, ARCHITECT
 25 HEMLOCK RIDGE ROAD
 LEICESTER, NC 28748
 828-683-7348
- m&p engineer:**
 SUNBELT ENGINEERING GROUP, INC.
 975 COBB PLACE BLVD., SUITE 302
 KENNESAW, GA. 30144
 770-419-7533
- electrical engineer:**
 PARAMORE ENGINEERING SERV., INC.
 3518 MONTHAVEN TRACE
 SUNVALE, GA. 30024
 678-714-1204
- consulting engineer:**
 P.A. PHELPS ENGINEERING, LLC
 PABBS PHELPS
 39 POPLAR DRIVE
 STAFFORD, VA 22554
 540-720-5588

EXIT WIDTH (See Sht. A-1)

Use Group or Space Designation	Area sq. ft.	(a)	Area per Occupant (Table 1004.1) (Occupant load)	(b)	Egress Width per Occupant (Table 1005.1)	(c)	Exit Width (Sec. 1005.1) (a-b) x c	Actual Width shown on plans
Assembly (A-3)	1,532		7		.15		32.8	144

- ACCESSIBLE PARKING (See site development plans by others)
- SPECIAL INSPECTIONS REQD
1. CONCRETE - 3,000 PSI
 2. ANCHOR BOLTS
 3. REINFORCING
 4. EXTERIOR E.F.I.S. SYSTEM
 5. HIGH STRENGTH BOLTING
 6. EARTH COMPACTION & PLACEMENT
 7. MASONRY & GROUTING

FIRE PROTECTION REQUIREMENTS

Building Element	Fire Separation Distance (feet)	Read	Rating Provided (w/ reduction)	Detail # and Sheet # (feet)	Design # for Rated Assy.	Design # for Rated Penetration
Structural Frame, incl. columns, girders, trusses	A	O				
Bearing Walls		O				
Exterior		O				
North		O				
East		O				
South		O				
West		O				
Interior		O				
Non-Bearing walls and partitions		O				
Exterior		O				
North						
East						
South						
West						
Interior		O				
Floor construction including supporting beams and joists						
Roof construction including supporting beams and joists		O				
Shafts - Exit						
Stairs - Other						
Corridor Separation		O				
Occupancy Separation						
Party/Fire Wall Separation						
Smoke Barrier Separation						
Tenant Separation						

EXT REQUIREMENTS

NUMBER AND ARRANGEMENT OF EXITS

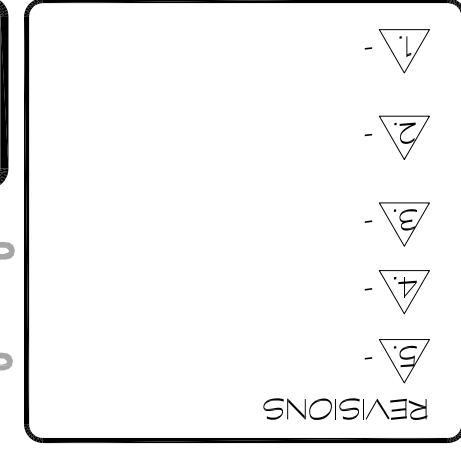
Floor, Room or Space Designation	Minimum ² Number of Exits		Travel Distance Allowable travel Distance (Table 1016.1)		Arrangement means of Egress ³ (Sec. 1019.4)	
	Shown	Required	Shown	Actual	Rec'd Dist. Between Exit Doors	Actual Dist. Shown On Plans
Assembly (A-3)	3	3	250	> 100	100 +/-	

¹ Corridor dead ends (Sec. 1016.3)
² Single Exits (Table 1016.1)
³ Common Path of Travel (Sec. 1013.3)

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	Smoke Detection System	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes
Exit Sign's	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	Partic Hardware	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes
Fire Alarm	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	Sprinkler System	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes

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new facility for:
 washington
 seventh day
 baptist church
 CRITTENDEN @ 16TH WASHINGTON, D.C.

project no. 2K70609
 drawn by: RICK
 checked by: RICK
 date: AUG. 18, 2008
 scale: AS SHOWN
 sheet no. CS1