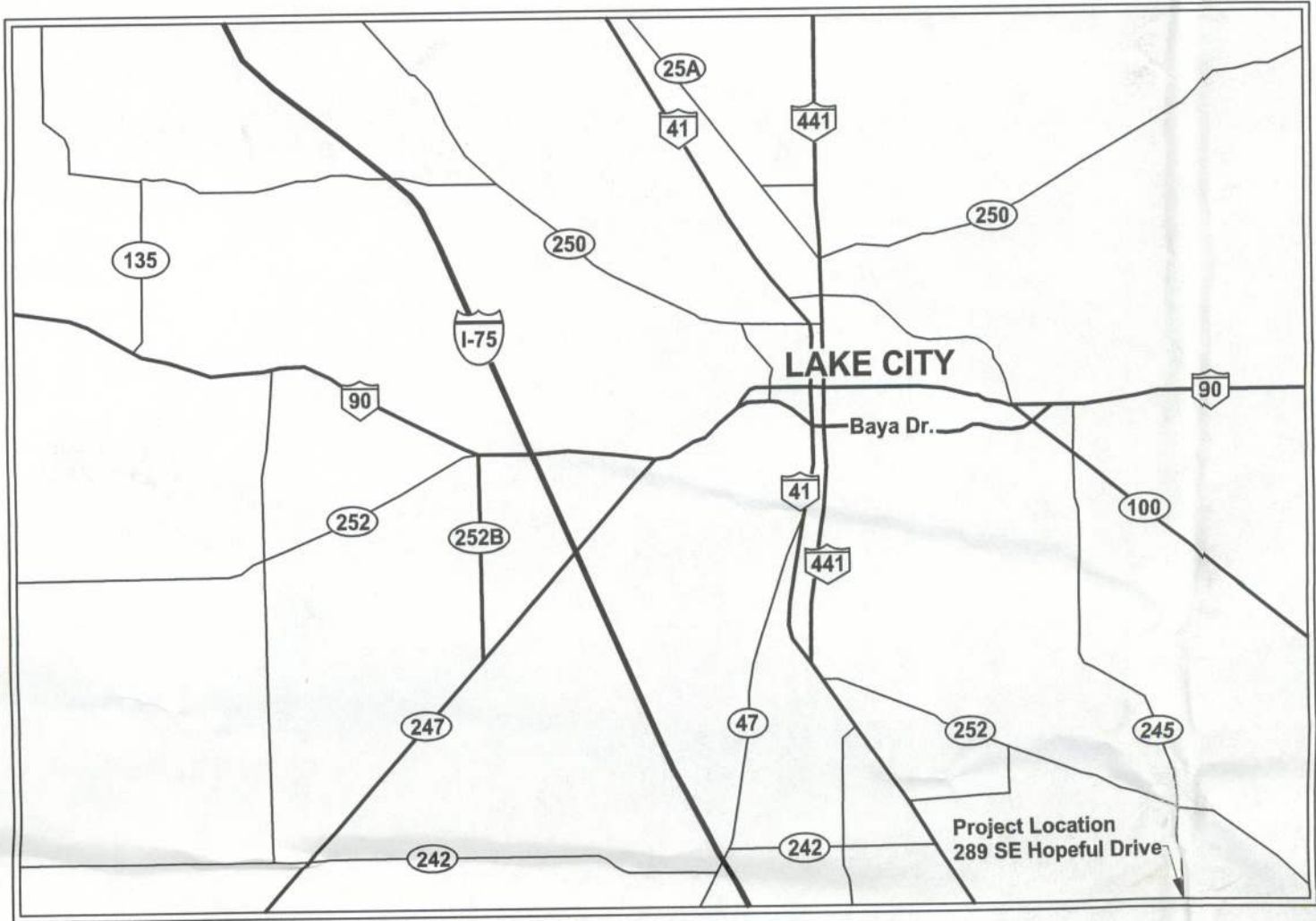


# Hopeful Baptist Youth Building

289 SE Hopeful Drive  
Lake City, FL 32025



PROJECT LOCATION MAP  
SCALE: N.T.S.

## REQUIREMENTS FOR INTERIOR WALL & CEILING FINISHES

INTERIOR WALL AND CEILING FINISHES SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM E 84. SUCH INTERIOR FINISH MATERIALS SHALL BE GROUPED IN THE FOLLOWING CLASSES IN ACCORDANCE WITH THEIR FLAME SPREAD AND SMOKE-DEVELOPED INDEX.

CLASS A:  
FLAME SPREAD INDEX 0-25; SMOKE-DEVELOPED INDEX 0-450.

CLASS B:  
FLAME SPREAD INDEX 26-75; SMOKE-DEVELOPED INDEX 0-450.

CLASS C:  
FLAME SPREAD INDEX 76-200; SMOKE-DEVELOPED INDEX 0-450.

### REQUIREMENTS BY OCCUPANCY (UNSPRINKLERED) PER FBC 2007, TABLE 803.5

GROUP	VERTICAL EXITS AND EXIT PASSAGEWAYS (SEE NOTES 1 & 2)	EXIT ACCESS CORRIDORS AND OTHER EXITWAYS	ROOMS AND ENCLOSED SPACES (SEE NOTE 3)
A-3	CLASS A	CLASS A	CLASS C

#### TABLE NOTES:

1. CLASS C INTERIOR FINISH MATERIALS SHALL BE PERMITTED FOR WAINSCOTTING OR PANELING OF NOT MORE THAN 1,000 SQUARE FEET OF APPLIED SURFACE AREA IN THE GRADE LOBBY WHERE APPLIED DIRECTLY TO A NONCOMBUSTIBLE BASE OR OVER FURNISHING STRIPS APPLIED TO A NONCOMBUSTIBLE BASE AND FIREBLOCKED AS REQUIRED BY FBC04, SECTION 803.1.1.

2. IN VERTICAL EXITS OF BUILDINGS LESS THAN THREE STORIES IN HEIGHT OF OTHER THAN GROUP I-3, CLASS B INTERIOR FINISH FOR UNSPRINKLERED BUILDINGS AND CLASS C INTERIOR FINISH FOR SPRINKLERED BUILDINGS SHALL BE PERMITTED.

3. REQUIREMENTS FOR ROOMS AND ENCLOSED SPACES SHALL BE BASED UPON SPACES ENCLOSED BY PARTITIONS. WHERE A FIRE-RESISTANCE RATING IS REQUIRED FOR STRUCTURAL ELEMENTS, THE ENCLOSING PARTITIONS SHALL EXTEND FROM THE FLOOR TO THE CEILING. PARTITIONS THAT DO NOT COMPLY WITH THIS SHALL BE CONSIDERED ENCLOSING SPACES AND THE ROOMS OR SPACES ON BOTH SIDES SHALL BE CONSIDERED ONE. IN DETERMINING THE APPLICABLE REQUIREMENTS FOR ROOMS AND ENCLOSED SPACES, THE SPECIFIC OCCUPANCY THEREOF SHALL BE THE GOVERNING FACTOR REGARDLESS OF THE GROUP CLASSIFICATION OF THE BUILDING OR STRUCTURE.

4. CLASS B MATERIAL REQUIRED WHERE BUILDING EXCEEDS TWO STORIES.

5. CLASS C INTERIOR FINISH MATERIALS SHALL BE PERMITTED IN ROOMS WITH A CAPACITY OF FOUR PERSONS OR LESS.

6. CLASS B MATERIALS SHALL BE PERMITTED AS WAINSCOTTING EXTENDING NOT MORE THAN 48 INCHES ABOVE THE FINISHED FLOOR IN EXIT ACCESS CORRIDORS.

## REQUIREMENTS FOR INTERIOR FLOOR FINISHES

INTERIOR FLOOR FINISH AND FLOOR COVERING MATERIALS SHALL COMPLY WITH THE FOLLOWING EXCEPT FOR FLOORS AND FLOOR COVERINGS OF A TRADITIONAL TYPE, SUCH AS WOOD, VINYL, LINOLEUM OR TERRAZO, AND RESILIENT FLOOR COVERING MATERIALS WHICH ARE NOT COMPRISED OF FIBERS.

INTERIOR FLOOR FINISH AND FLOOR COVERING MATERIALS REQUIRED BY FBC04, SECTION 804.5.1 TO BE OF CLASS I OR II MATERIALS SHALL BE CLASSIFIED IN ACCORDANCE WITH NFPA 253. THE CLASSIFICATION REFERRED TO HEREIN CORRESPONDS TO THE CLASSIFICATIONS DETERMINED BY NFPA 253 AS FOLLOWS: CLASS I, 0.45 WATTS/CM2 OR GREATER; CLASS II, 0.22 WATTS/CM2 OR GREATER.

IN ALL OCCUPANCIES, INTERIOR FLOOR FINISH IN VERTICAL EXITS, EXIT PASSAGEWAYS, EXIT ACCESS CORRIDORS AND ROOMS OR SPACES NOT SEPARATED FROM EXIT ACCESS CORRIDORS BY FULL-HEIGHT PARTITIONS EXTENDING FROM THE FLOOR TO THE UNDERSIDE OF THE CEILING SHALL WITHSTAND A MINIMUM CRITICAL RADIANT FLUX AS FOLLOWS:

INTERIOR FLOOR FINISH IN VERTICAL EXITS, EXIT PASSAGEWAYS AND EXIT ACCESS CORRIDORS SHALL NOT BE LESS THAN CLASS I IN GROUPS I-2 AND I-3 AND NOT LESS THAN CLASS II IN GROUPS A, B, E, H, I-4, M, R-1, R-2 AND S. IN ALL OTHER AREAS, THE INTERIOR FLOOR FINISH SHALL COMPLY WITH THE DOC FF-1 "PILL TEST" (CPSC 16 CFR, PART 1630).

## INDEX TO SHEETS

SHEET 0	COVERSHEET, LOCATION MAP LIST OF DELEGATIONS, SHEET INDEX BUILDING DESIGN DATA & SPECIFICATIONS
SHEET 1	ELEVATIONS & TYPICAL SECTION
SHEET 2	FLOOR PLAN
SHEET 3	LIFE SAFETY / ACCESSIBILITY PLAN
SHEET 4	ELECTRICAL PLAN
SHEET 5	PLUMBING PLAN
SHEET 6	MECHANICAL PLAN
SHEET S-1	WINDLOAD DETAILS
SHEET S-2	FOUNDATION PLAN
SHEET S-3	STRUCTURAL PLAN

## LIST OF APPLICABLE CODES

2007 FLORIDA EXISTING BUILDING CODE, (INCLUDING 2009 SUPPLEMENTS)  
NFPA 70, NATIONAL ELECTRICAL CODE, EXCEPT ARTICLE 80, 2008 EDITION

2007 FLORIDA BUILDING CODE, BUILDING

2007 FLORIDA BUILDING CODE, FUEL GAS

2007 FLORIDA BUILDING CODE, MECHANICAL

2007 FLORIDA BUILDING CODE, PLUMBING

FLORIDA FIRE PREVENTION CODE, 2007  
NFPA 101 2003 EDITION AND NFPA 1 2003 EDITION

2007 FLORIDA ENERGY EFFICIENCY CODE

2007 FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION

## REVISIONS

2011-11-04 INCLOSED PORTICO & CHANGED CONSTRUCTION TYPE

## LIST OF DELEGATIONS

ELECTRICAL SYSTEM DESIGN:  
TO BE FURNISHED BY THE ELECTRICAL CONTRACTOR

PLUMBING SYSTEM DESIGN:  
TO BE FURNISHED BY THE PLUMBING CONTRACTOR

FIRE SPRINKLER SYSTEM DESIGN:  
NOT APPLICABLE

HVAC SYSTEM DESIGN:  
TO BE FURNISHED BY THE HVAC CONTRACTOR

SPECIALIZED SYSTEMS:  
NOT APPLICABLE

LIFE SAFETY REVIEW:  
IT IS THE CONTRACTOR / OWNER'S RESPONSIBILITY TO REQUEST A LIFE SAFETY REVIEW BY THE FIRE MARSHAL. LIFE SAFETY PLAN IS SUGGESTION ONLY. ACTUAL REQUIREMENTS TO BE DETERMINED BY FIRE MARSHAL BEFORE ORDERING ANY MATERIALS OR STARTING CONSTRUCTION.

ENERGY EFFICIENCY CALCULATION:  
TO BE FURNISHED BY THE BUILDER. SIGNED AND SEALED BY: ARCHITECT, ENGINEER, AIR CONDITIONING OR MECHANICAL CONTRATOR, OR CERTIFIED COMMERCIAL ENGERY RATER.

TRUSS ROOF SYSTEM:  
TRUSSES SHALL BE DESIGNED BY A FLORIDA LICENSED ENGINEER IN ACCORDANCE WITH THE FBC 2007. TRUSS ENGINEERING SHALL INCLUDE TRUSS DESIGN, PLACEMENT PLANS, TEMPORARY AND PERMANENT BRACING DETAILS, TRUSS-TO-TRUSS CONNECTIONS, AND UPLIFT AND REACTION LOADS FOR ALL BEARING LOCATIONS. TRUSS ENGINEERING IS THE RESPONSIBILITY OF THE TRUSS MANUFACTURER AND SHALL BE SIGNED & SEALED BY THE MANUFACTURER'S DESIGN ENGINEER. IT IS THE BUILDER'S RESPONSIBILITY VERIFY THE TRUSS DESIGNER FULLY SATISFIED ALL THE ABOVE REQUIREMENTS AND TO SELECT UPLIFT CONNECTIONS BASED ON TRUSS ENGINEERING UPLIFT AND PROVIDE FOOTINGS FOR INTERIOR BEARING WALLS. BUILDER IS TO FURNISH TRUSS ENGINEERING TO THE ENGINEER OF RECORD FOR REVIEW OF TRUSS REACTIONS ON THE BUILDING STRUCTURE

NOTE: IT IS THE RESPONSIBILITY OF THE BUILDING DEPARTMENT AND BUILDER TO MAKE SURE DELEGATED PLANS ARE COMPLETED AND APPROVED BY THE ENGINEER OF RECORD, THE OWNER, AND THE BUILDING OFFICIAL, PRIOR TO CONSTRUCTION OR ORDERING ANY MATERIALS.  
ENGINEER OF RECORD DOES NOT HAVE CONSTRUCTION MANAGEMENT AUTHORITY.

## BUILDING DESIGN DATA

- SITE REQUIREMENTS:
  - THIS BUILDING PLAN DOES NOT INCLUDE SITE PLAN.
- OCCUPANCY GROUP REQUIREMENTS:
  - BUILDING GROUP: A-3, ASSEMBLY USES INTENDED FOR WORSHIP
- MINIMUM TYPE OF CONSTRUCTION:
  - TYPE OF CONSTRUCTION: TYPE V B (TYPE V CONSTRUCTION IS THAT TYPE OF CONSTRUCTION IN WHICH THE STRUCTURAL ELEMENTS, EXTERIOR WALLS AND INTERIOR WALL ARE OF ANY MATERIAL PERMITTED BY FBC 2007)
  - MAXIMUM HIGHT & AREA PER TABLE 503: 1 STORY / 6,000 (PER FLOOR)
  - BUILDING HEIGHT: 1 STORY
  - BUILDING AREA: 5,576 SF
  - TOTAL UNDER ROOF AREA: 5816 SF < 6,000 SF
- FIRE RESISTANT CONSTRUCTION REQUIREMENTS:
  - RATING REQUIREMENTS FOR BUILDING ELEMENTS (PER TABLE 601 & 602)
  - TYPE V B CONSTRUCTION:

STRUCTURAL FRAME (INCLUDING: COLUMN, GIRDERS, TRUSSES)	0 HR.
BEARING WALLS - EXTERIOR	0 HR.
BEARING WALLS - INTERIOR	0 HR.
NON-BEARING WALLS - EXTERIOR	0 HR.
NON-BEARING WALLS - INTERIOR	0 HR.
FLOOR CONSTRUCTION (INCLUDING: SUPPORTING BEAM & JOISTS)	0 HR.
ROOF CONSTRUCTION (INCLUDING: SUPPORTING BEAM & JOISTS)	0 HR.
  - FIRE SEPARATION DISTANCE = >30'
  - MAXIMUM AREA OF EXTERIOR WALL OPENING (PER TABLE 704.80): PROTECTED OR UNPROTECTED - NO LIMIT

5. FIRE SUPPRESSION SYSTEM:  
- NONE

6. LIFE SAFETY SYSTEMS:  
- SHEET 3

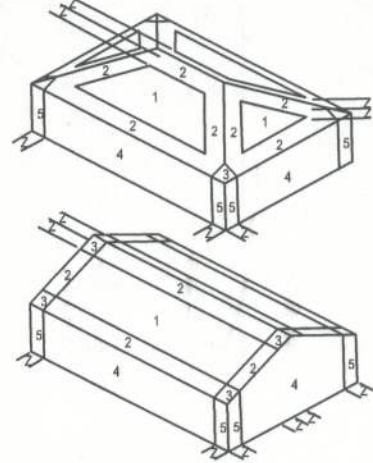
- OCCUPANCY LOAD / EGRESS REQUIREMENTS :
  - OCCUPANCY LOAD = 425 PERSONS (ALL ROOMS) (BASED ON TABLE 1004.1.1, SEE SHEET 3 FOR CALCULATIONS)
  - EXIT CAPACITY (BASED ON TABLE 1005.1)
  - TOTAL EXIT WIDTH 160' / 2" = 800 PERSONS > 425 PERSONS
  - MINIMUM NUMBER OF EXITS (PER 1015.1)
  - REQUIRED = 2 PROVIDED = 4
  - MAXIMUM EXIT ACCESS TRAVEL DISTANCE (PER TABLE 1016.1) ALLOWABLE = 200' ACTUAL = 72'

STRUCTURAL REQUIREMENTS:

- ASSUMED SOIL BEARING CAPACITY = 1000PSF
- IT IS THE BUILDERS RESPONSIBILITY TO PROVIDE SOIL BREAKING TESTS FOR REVIEW BY THE ENGINEER OF RECORD, AND BUILDING OFFICIAL PRIOR TO CONSTRUCTION OR ORDERING ANY MATERIALS.
- DESIGN LOADS:
  - FLOOR:
    - ASSEMBLY AREAS - MOVEABLE SEATING = 100 PSF UNIFORM LOAD
    - STAGES & PLATFORMS = 125 PSF UNIFORM LOAD
  - ROOF: 20 PSF UNIFORM LOAD
  - WIND LOADS PER FLORIDA BUILDING CODE 2007, SECTION 1609:

(ENCLOSED SIMPLE DIAPHRAGM BUILDINGS WITH FLAT, HIPPED, OR GABLE ROOFS; MEAN ROOF HEIGHT NOT EXCEEDING LEAST HORIZONTAL DIMENSION OR 60 FT; NOT ON UPPER HALF OF HILL OR ESCARPMENT 60FT IN EXP. B, 30FT IN EXP. C AND >10% SLOPE AND UNOBSTRUCTED UPWIND FOR 50x HEIGHT OR 1 MILE WHICHEVER IS LESS.)

BUILDING IS NOT IN THE HIGH VELOCITY HURRICANE ZONE			
BUILDING IS NOT IN THE WIND-BORNE DEBRIS REGION			
1)	BASIC WIND SPEED = 110 MPH		
2)	WIND EXPOSURE = C		
3)	WIND IMPORTANCE FACTOR = 1.0		
4)	BUILDING CATEGORY = II		
5)	ROOF ANGLE = 10-45 DEGREES		
6)	MEAN ROOF HEIGHT = <30 FT		
7)	INTERNAL PRESSURE COEFFICIENT = N/A (ENCLOSED BUILDING)		
8)	COMPONENTS AND CLADDING DESIGN WIND PRESSURES		



Zone	Effective Wind Area (ft²)		
	10	100	
1	27.8	-30.5	25.3
2	27.8	-35.7	25.3
2 07g		-56.8	-56.8
3	27.8	-35.7	25.3
3 07g		-95.6	-59.3
4	30.5	-33.0	25.9
5	30.5	-40.7	25.9

- MATERIALS AND FINISHES
  - THIS PLAN DOES NOT INCLUDE DETAILED FINISH SPECS. IT IS THE BUILDERS RESPONSIBILITY TO VERIFY THAT ALL MATERIALS AND FINISHES USED COMPLY WITH THE FBC 2007 AND THE 2007 FFFC.

10. ACCESSIBILITY REQUIREMENTS:  
- SHEET 3

11. INTERIOR FINISH REQUIREMENTS:  
- SHEET 0

12. SPECIAL SYSTEMS:

- BUILDER IS TO PROVIDE SHOP DRAWING AND DETAILED SPECS OF ANY SPECIAL SYSTEMS.

13. SWIMMING POOLS:  
- NONE

## REVISIONS

2011-11-04

SOFTPLAN  
ARCHITECTURAL DESIGN SOFTWARE

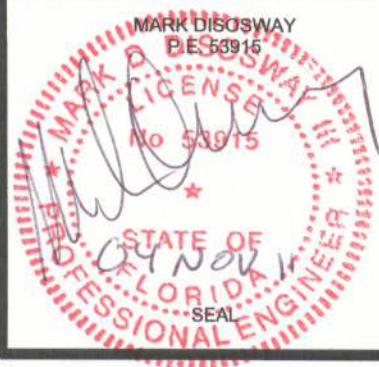
ENGINEER OF RECORD: Mark Disosway,  
PE No. 53915, POB 868, Lake City, FL  
32056; 386-754-0418

DIMENSIONS:  
Stated dimensions supersede scaled dimensions. Refer all questions to Mark Disosway, P.E. for resolution. Do not proceed without clarification.

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CERTIFICATION: These plans and Cover Sheet A-0, attached, comply with applicable portions of the Florida Building Code 2007 & 2009 supplements, to the best of my knowledge

LIMITATION: This design is valid for one building at specified location. In case of conflict, structural requirements, scope of work, and builder responsibilities control.



## Hopeful Baptist Youth Building

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Columbia County, Florida

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PRINTED DATE:  
November 04, 2011

DRAWN BY: Evrin Beamley

CHECKED BY:

FINALES DATE:  
Dec. 2, 2009

JOB NUMBER:  
905205

DRAWING NUMBER

0  
OF 10 SHEETS

Revised  
Sheet 2  
At Back



29815