Addition & Renovation for:

Anglican Church

Milton Builders

Lake City, Florida, Columbia County

INDEX TO SHEETS

COVERSHEET, LOCATION MAP LIST OF DELEGATIONS, SHEET INDEX **BUILDING DESIGN DATA & SPECIFICATIONS** ELEVATIONS AND FLOOR PLAN LIFE SAFETY / ACCESSIBILITY PLAN WINDLOAD DETAILS AND WALL SECTIONS FOUNDATION PLAN, ROOF FRAMING PLAN, AND STRUCTURAL PLAN ELECTRICAL PLAN

PLUMBING PLAN

MECHANCAL PLAN

REVISIONS

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.

FLAME SPREAD INDEX 0-25; SMOKE-DEVELOPED INDEX 0-450.

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

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

GROUP	VERTICAL EXITS AND EXIT PASSAGEWAYS (SEE NOTES a & b)	EXIT ACCESS CORRIDORS AND OTHER EXITWAYS	ROOMS AND ENCLOSED SPACES (SEE NOTE c)
A-3 (f)	CLASS A	CLASS A (d)	CLASS C

TABLE NOTES:

a. 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 furring strips applied to a noncombustible base and fireblocked as required by Section 803.4.1.

b. In exit enclosures of buildings less than three stories in height of other than Group I-3, Class B interior finish for

onsprinklered buildings and Class C interior finish for sprinklered buildings shall be permitted. c. 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. d. Lobby areas in Group A-1, A-2 and A-3 occupancies shall not be less than Class B materials.

e. Class C interior finish materials shall be permitted in places of assembly with an occupant load of 300 persons or less. f. For places of religious worship, wood used for ornamental purposes, trusses, paneling or chancel furnishing shall be

1. Class B material is required where the building exceeds two stories. Class C interior finish materials shall be permitted in administrative spaces.

. Class C interior finish materials shall be permitted in rooms with a capacity of four persons or less. Class B materials shall be permitted as wainscotting extending not more than 48 inches above the finished floor in corridors.

c. Finish materials as provided for in other sections of this code. I. Applies when the exit enclosures, exit passageways, corridors or rooms and enclosed spaces are protected by a sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2.

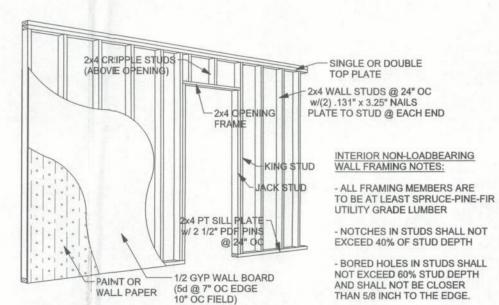
REQUIREMENTS FOR INTERIOR FLOOR FINISHES

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

INTERIOR FLOOR FINISH IN VERTICAL EXITS, EXIT PASSAGEWAYS AND EXIT ACCESS CORRIDORS SHALL NIOT 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).



NOTCHES & HOLES SHALL NOT INTERIOR NON-LOADBEARING OCCUR IN SAME CROSS-SECTION -STUDS SHALL HAVE FULL BEARING ON BOTTOM PLATE

LIST OF APPLICABLE CODES

2007 FLORIDA EXISTING BUILDING CODE, (INCLUDING 2009 SUPPLEMENTS)

NFPA 70, NATIONAL ELECTRICAL CODE, EXCEPT ARTICAL 80, 2008 EDITION

2007 FLORIDA BUILDING CODE, BUILDING

2007 FLORIDA BUILDING CODE, FUEL GAS

2007 FLORIDA BUILDING CODE, MACHANICAL 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

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

CONSTRUCTION.

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

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

TO BE DETERMINED BY FIRE MARSHAL BEFORE ORDERING ANY MATERIALS OR STARTING

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.

1. SITE REQUIREMENTS:

BUILDING DESIGN DATA

- THIS BUILDING PLAN DOES NOT INCLUDE SITE PLAN.

2. OCCUPANCY GROUP REQUIREMENTS: - BUILDING GROUP: A-3, ASSEMBLY USES INTENDED FOR WORSHIP

3. 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 WALLS 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: = 1200 SQ FT, PORCH AREA = 60 SQ FT - TOTAL UNDER ROOF AREA: 1260 SQ FT < 6,000 SQ FT

4. FIRE RESISTANT CONSTRUCTION REQUIREMENTS: - RATING REQUIREMENTS FOR BUILDING ELEMENTS (PER TABLE 601 & 602) TYPE III B CONSTRUCTION:

STRUCTURAL FRAME (INCLUDING: COLUMNS GIRDERS, TRUSSES)	0 H
BEARING WALLS - EXTERIOR BEARING WALLS - INTERIOR	0 H
NON-BEARING WALLS - EXTERIOR NON-BEARING WALLS - INTERIOR	0 H
FLOOR CONSTRUCTION (INCLUDING: SUPPORTING BEAM & JOISTS)	0 H
ROOF CONSTRUCTION (INCLUDING: SUPPORTING BEAM & JOISTS)	0 H

 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 2

7. OCCUPANCY LOAD / EGRESS REQUIREMENTS: - OCCUPANCY LOAD: (BASED ON TABLE 1004.1.1) 676 FT2 (NET SANCTUARY AREA) / 7 FT2 PER PERSON = 96.6 170 FT2 (NET STAGE AREA) / 15 FT2 PER PERSON = 11.4 TOTAL DESIGN OCCUPANCY LOAD = 100 PERSONS (PER BUILDING OFFICAL) EXIT CAPACITY (BASED ON TABLE 1005.1)

*TOTAL EXIT WIDTH 32"/ .2" = 160 PERSONS > 100 PERSONS MINIMUN NUMBER OF EXITS (PER 1015.1)

- MAXIMUM EXIT ACCESS TRAVEL DISTANCE (PER TABLE 1016.1)

ALLOWABLE = 200 ACTUAL = 55' 8. STRUCTURAL REQUIREMENTS:

- ASSUMED SOIL BEARING CAPACITY = 1500PSF IT IS THE BUILDERS RESPONSIBILITY TO PROVIDE SOIL BREARING TESTS FOR REVIEW BY THE ENGINEER OF RECORD, AND BUILDING OFFICIAL PRIOR TO CONSTRUCTION OR ORDERING ANY MATERIALS. - DESIGN LOADS:

ASSEMBLY AREAS: LOBBIES: 100 PSF UNIFORM LOAD MOVABLE SEATS: 100 PSF UNIFORM LOAD STAGES & PLATFORMS: 125 PSF UNIFORM LOAD

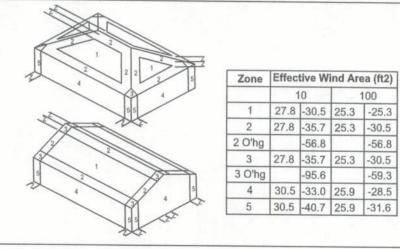
ROOF: 20 PSF UNIFORM LOAD WIND LOADS PER FLORIDA BUILDING CODE 2007, SECTION 1609:

(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

.) BASIC WIND SPEED = 110 MPH) WIND EXPOSURE = C) WIND IMPORTANCE FACTOR = 1.0 .) BUILDING CATEGORY = II

ROOF ANGLE = 10-45 DEGREES .) MEAN ROOF HEIGHT = <30 FT</p>) INTERNAL PRESSURE COEFFICIENT = N/A (ENCLOSED BUILDING)

COMPONENTS AND CLADDING DESIGN WIND PRESSURES



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 FFPC.

10. ACCESSIBILITY REQUIREMENTS: - SHEET 2

11. INTERIOR FINISH REQUIREMENTS: - SHEET 0

12. SPECIAL SYSTEMS: - BUILDER IS TO PROVIDE SHOP DRAWING AND DETAILED SPECS OF ALL SPECIAL SYSTEMS.

13. SWIMMING POOLS:

NGINEER OF RECORD: Mark Disosway PE No.53915, POB 868, Lake City, FL

REVISIONS

dimensions. Refer all questions to k Disosway, P.E. for resolution o not proceed without clarification.

COPYRIGHTS AND PROPERTY RIGHTS: Mark Disosway, P.E. hereby expressly reserved ts common law copyrights and property right in these instruments of service. This document not to be reproduced, altered or copied in any form or manner without first the express written permission and consent of Mark Disosway.

CERTIFICATION: These plans and Cover Sheet A-0, attached, comply with applicable portions of the Florida Building Code 2007 & 09 supplements, to the best of my knowled LIMITATION: This design is valid for one

building at specified location. In case of conflict tructural requirements, scope of work, and uilder responsibilities control.

P.E. 53915

Milton Builders

Anglican Church

Addition & Renovation

ADDRESS: Lake City, Florida Columbia County

Mark Disosway P.E. P.O. Box 868 Lake City, Florida 32025 Phone: (386) 754 - 5419 Fax: (386) 269 - 4871 windloadengineer@bellsouth.net

PRINTED DATE: July 19, 2011 DRAWN BY: CHECKED BY: Evan Beamsley

FINALES DATE:

2011-07-19

JOB NUMBER: 1106111 DRAWING NUMBER

OF 8 SHEETS