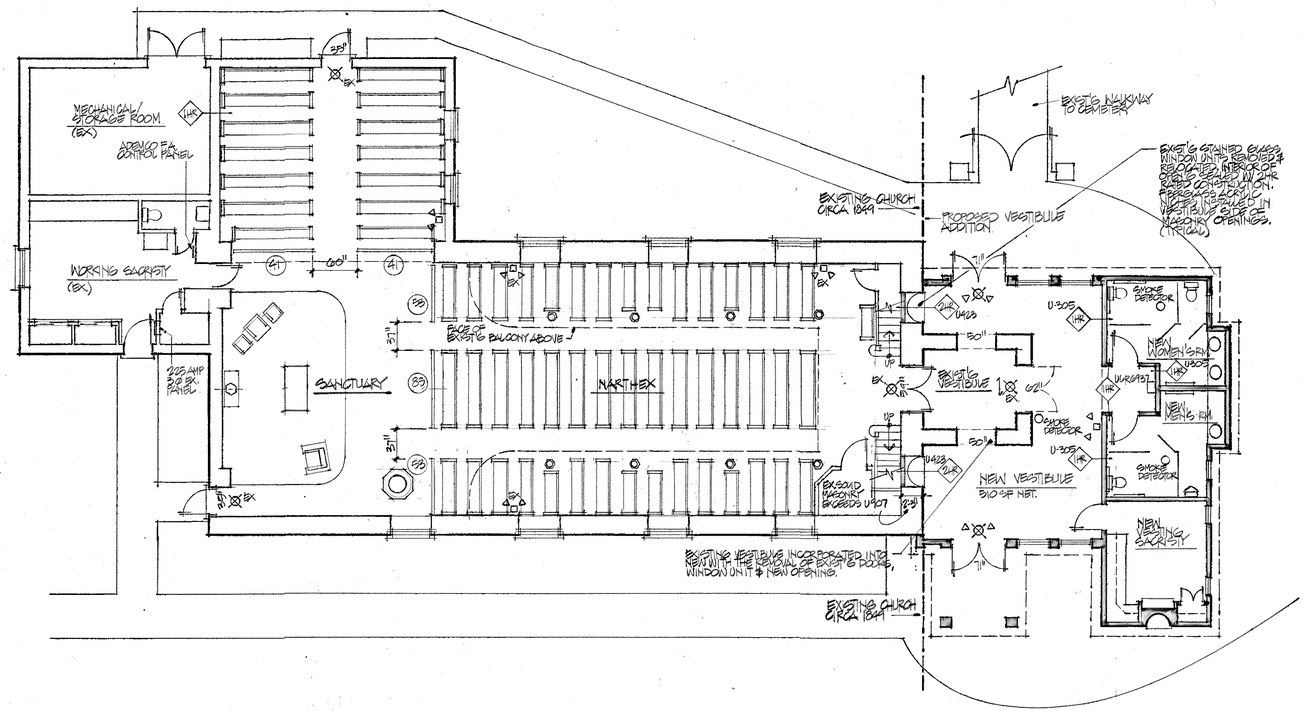
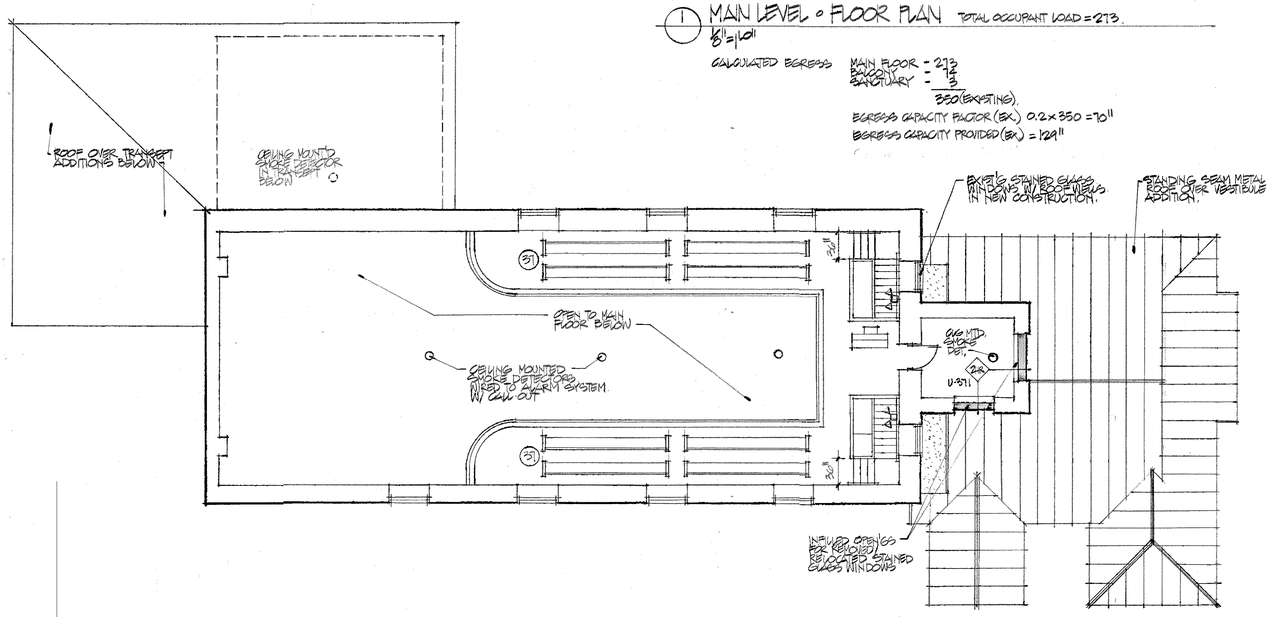


1 MAIN LEVEL - FLOOR PLAN TOTAL OCCUPANT LOAD = 273
1/8" = 1'0"

CALCULATED EGRESS MAIN FLOOR - 273
BALCONY - 77
SANCTUARY - 350
350 (EXISTING).
EGRESS CAPACITY FACTOR (EX.) 0.2 x 350 = 70"
EGRESS CAPACITY PROVIDED (EX.) = 129"



2 BALCONY LEVEL - FLOOR PLAN TOTAL OCCUPANT LOAD = 74
1/8" = 1'0"

STAIRWAY CAPACITY REQ. 0.2 (CAPACITY FACTOR) x 74 = 22.2"
STAIRWAY CAPACITY PROVIDED _____ = 72"

BUILDING DATA

PER THE IBC (2012) CHAPTER 34 (EXISTING STRUCTURES), SECTION 3409 (HISTORIC BUILDINGS), THE EXISTING STRUCTURE OF ST. JOSEPH'S CATHOLIC CHURCH (W/ A BALCONY ADDED IN 1884 AND SLATED IN THE MARYLAND INVENTORY OF HISTORIC PROPERTIES) IS CLASSIFIED AS A HISTORIC BUILDING AND THEREFORE COMPLIES WITH SECTION 3409.1 HISTORIC BUILDINGS THE PROVISIONS OF THIS CODE (IBC) RELATING TO THE CONSTRUCTION, REPAIR, ALTERATION, ADDITION, RESTORATION AND MOVEMENT OF STRUCTURES, AND CHANGE OF OCCUPANCY SHALL NOT BE MANDATORY FOR HISTORIC BUILDINGS WHERE SUCH BUILDINGS ARE JUDGED BY THE BUILDING OFFICIAL TO NOT CONSTITUTE A DISTINCT LIFE SAFETY HAZARD."

THEREFORE, THOUGH A 2HR SEPERATION EXISTS BETWEEN THE EXIST'G AND THE PROPOSED ADDITION, THE OPENING IS NOT A PROTECTED ASSEMBLY. REMOVAL AND REPLACEMENT WOULD HAVE A DETRIMENTAL EFFECT ON THE HISTORICAL NATURE OF THE PROPERTY.

USE GROUP - A-3, ASSEMBLY USES INTENDED FOR WORSHIP, RECREATION OR AMUSEMENT AND OTHER ASSEMBLY USES NOT CLASSIFIED ELSEWHERE IN GROUP A

CONSTRUCTION TYPE - II-A, COMBUSTIBLE PROTECTED, NON-SPRINKLERED
A CONSTRUCTION TYPE IN WHICH THE STRUCTURAL MEMBERS, EXTERIOR WALLS AND INTERIOR WALLS ARE OF ANY MATERIALS PERMITTED BY THE IBC.

HEIGHT & AREA LIMITATIONS - PER TABLE 503 (IBC), AN A-3 USE GROUP IN TYPE II-A CONSTRUCTION HAS THE FOLLOWING LIMITATIONS - HEIGHT = 2 STORIES, 50'
AREA = 11,500 SF

THE DESIGNED HEIGHT AND AREA ARE AS FOLLOWS - HEIGHT = 1 STORY, 9'
AREA = 1,070 SF

OCCUPANT LOAD - PER TABLE 1004.1.2 (IBC) AND TABLE 7.3.1.2 (NFPA-101), ASSEMBLY STANDING SPACE = 1/5 SF NET.
EXISTING BALCONY SEATING AREA (NO STANDING SPACE) USED BY 5, THE PROPOSED LOAD IS 74
EXISTING SEATING AREA (NO STANDING SPACE) USED IN THE NET.
20% OF EXISTING OCCUPANT LOAD = 15 + 74 (NEW) RULE) = 249 OCCUPANTS FOR EGRESS COMPUTATION.
142" OF EGRESS WIDTH IS PROVIDED.

APPLICABLE CODES - INTERNATIONAL BUILDING CODE (IBC-2018)
NFPA 101 LIFE SAFETY CODE (NFPA-101, 2012)
NATIONAL ELECTRIC CODE (NEC-2017)
INTERNATIONAL ENERGY CONSERVATION CODE (IECC-2018)
MARYLAND ACCESSIBILITY CODE (2012)
AMERICANS WITH DISABILITIES ACT (ADA-2010)
INTERNATIONAL PLUMBING CODE (IPC-2018)
ALL ADOPTED LOCAL AMENDMENTS;

GA FILE NO. WP 3344	PROPRIETARY*	1 HOUR FIRE	45 to 49 STC SOUND

GYPSUM PANEL PRODUCT, WOOD STUDS

One layer ⅝" proprietary paper faced or glass mat faced gypsum panel product (sound board) applied parallel to ONE SIDE of 2 x 4 wood studs 16" o.c. with 1¼" Type W drywall screws 8" o.c.

OPPOSITE SIDE: One layer ⅝" proprietary paper faced or glass mat faced gypsum panel product applied parallel to studs with 1¼" Type W drywall screws 8" o.c.

Joints staggered 16" on opposite sides. Sound tested with screws spaced 12" o.c. and with 3½" glass fiber insulation friction fit in stud space. **(LOAD-BEARING)**

PROPRIETARY GYPSUM PANEL PRODUCTS

Temple-Inland
- ⅝" Type X ComfortGuard Sound Deadening Gypsum Board
- ⅝" Type X

Thickness: 47/8"
Approx. Weight: 7 psf
Fire Test: UL R6937, 06NK17962, 2-17-07; 09NK05706, 4-13-09; UL Design U305
Sound Test: OL 08-0907, 9-3-08

GA FILE NO. WP 3380	GENERIC	1 HOUR FIRE	40 to 44 STC SOUND

GYPSUM WALLBOARD, WOOD STUDS

One layer ⅝" type X gypsum wallboard or gypsum veneer base applied parallel or at right angles to each side of 2 x 4 wood studs 16" o.c. staggered 8" o.c. on 2 x 6 wood plates with 6d coated nails, 1⅞" long, 0.0915" shank, ¼" heads, 7" o.c.

Joints staggered 24" on opposite sides. Horizontal bracing required at mid-height. **(LOAD-BEARING)**

Thickness: 7⅛"
Approx. Weight: 8 psf
Fire Test: See WP 3605 (UL R1319-4, -6, 6-17-52; UL R2717-39, 1-20-66; UL R3501-52, 3-15-66, UL Design U305; ULC Design W301); UL R4024, 10-31-68
Sound Test: NRCC TL-93-254, IRC-IR-761, 3/98

GA FILE NO. WP 8206	PROPRIETARY*	2 HOUR FIRE

GYPSUM WALLBOARD, GLASS MAT GYPSUM SUBSTRATE, STEEL STUDS

EXTERIOR SIDE: **Base** layer ⅝" proprietary type X gypsum sheathing or glass mat gypsum substrate (sheathing) applied parallel or at right angles to 3½", 20 ga steel studs 24" o.c. with 1" Type S-12 drywall screws 16" o.c. **Face** layer ⅝" proprietary type X gypsum sheathing or glass mat gypsum substrate (sheathing) applied parallel or at right angles to studs with 1⅝" Type S-12 drywall screws 16" o.c.

INTERIOR SIDE: **Base** layer ⅝" proprietary type X gypsum wallboard or gypsum veneer base applied parallel or at right angles to studs with 1" Type S-12 drywall screws 16" o.c. **Face** layer ⅝" proprietary type X gypsum Wallboard or gypsum veneer base applied parallel or at right angles to studs with 1⅝" Type S-12 drywall screws 16" o.c.

Face layer horizontal joints need not be staggered or backed from base layer or on opposite sides. **(LOAD-BEARING)**

PROPRIETARY GYPSUM PANEL PRODUCT

United States Gypsum Company
- ⅝" SECUROCK® Glass-Mat Sheathing Panels
- ⅝" SHEETROCK® Brand UltraLight Panels FIRECODE® X

Thickness: 6⅛"
Approx. Weight: 7 psf
Fire Test: UL R1319, 08CA62192, 5-15-09, UL Design U423

GA FILE NO. WP 8417	PROPRIETARY*	2 HOUR FIRE

GYPSUM WALLBOARD, WOOD STUDS, GYPSUM SHEATHING, STUCCO NETTING, CEMENT STUCCO

EXTERIOR SIDE: **Base** layer ⅝" proprietary type X gypsum sheathing applied parallel or at right angles to 2 x 4 wood studs 16" o.c. with 1¾", 0.125" shank, 7/16" head galvanized roofing nails 8" o.c. or 2" Type S drywall screws 8" o.c. Pre-furred wire stucco netting applied over gypsum sheathing with 1¼" x 1" steel staples 7" o.c. Portland cement stucco, ¾", applied over stucco netting.

INTERIOR SIDE: **Base** layer ⅝" proprietary type X gypsum wallboard or gypsum veneer base applied parallel or at right angles to studs with 1¼" Type S drywall screws 12" o.c. **Face** layer ⅝" proprietary type X gypsum wallboard or gypsum veneer base applied parallel or at right angles to studs with 2" Type S drywall screws 12" o.c.

Joints staggered 16" each layer and side. **(LOAD-BEARING)**

PROPRIETARY GYPSUM BOARD

National Gypsum Company
- ⅝" Gold Bond® Brand FIRE-SHIELD® Gypsum Board
- ⅝" Gold Bond® Brand FIRE-SHIELD® Gypsum Sheathing

Thickness: 6⅛"
Approx. Weight: 17 psf
Fire Test: UL R3501, 03NK2475, 5-21-03, UL Design U371

I HEREBY CERTIFY THAT THESES PLANS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE 6184. EXPIRES _____

PROJECT TITLE

ST. JOSEPH'S CHURCH ENTRY VESTIBULE ADDITION AND MODIFICATIONS
4590 St. Joseph's Way
Pomfret MD 20675

Thomas K. Reinecker AIA Architect

12002 Palisades Dr. 301-855-9020
Dunkirk, MD 20754 Fax 410-257-0777

REVISIONS

SHEET TITLE

BUILDING DATA
FLOOR PLANS, ASSEMBLY SCHEDULES & TYPES.

DATE 12-2015

SHEET NUMBER **A2**