

CONCEPT PLAN
 SEPTEMBER 12, 2013
 REVISED CONCEPT PLAN
 OCTOBER 15, 2013
 REVISED CONCEPT PLAN
 JANUARY 7, 2014
 RELEASED FOR BIDDING ONLY - JANUARY 07, 2014

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 PROJECT NO: 082713 PROJECT TITLE: ST. BRIGID SCHOOL - RESTROOM PROJECT
 SCALE: 1/8" = 1'-0" SHEET TITLE: FIRST FLOOR - LIFE SAFETY PLAN

LIFE SAFETY DESIGN DATA

- CONSTRUCTION TYPE: IBC III-B, NFPA V (000)
- OCCUPANCY CLASSIFICATION: EDUCATIONAL (E) GRADE/PRACTICE AND (100) A
- HEIGHT AND AREA LIMITATIONS (IBC 510.2):
 - STORY HEIGHT: 10'-0" (MAXIMUM) FOR GRADE AND EQUIPPED BY AUTOMATIC SPRINKLER - 20'-0" (MAXIMUM)
 - STORY HEIGHT: 12'-0" (MAXIMUM) FOR GRADE AND EQUIPPED BY AUTOMATIC SPRINKLER - 20'-0" (MAXIMUM)
- SPECIAL MEANS OF EGRESS REQUIREMENTS:
 - ROCKERS/STAIRS BY FREESTANDING: EXISTING OR FIRST-COURSE STUDENTS SHALL BE LOCATED ON THE LEVEL OF EXIT DISCHARGE.
 - ROCKERS/STAIRS BY FREESTANDING: STUDENTS SHALL NOT BE LOCATED MORE THAN ONE STORY ABOVE THE LEVEL OF EXIT DISCHARGE.
- APPLICABLE GOVERNING CODES & REGULATIONS:
 - 2012 IBC LIFE SAFETY CODE (LSC)
 - IBC INTERNATIONAL BUILDING CODE 2009 EDITION
 - MARINE BUILDING CODE (LATEST EDITION)
- FIRE PROTECTION:
 - EXISTING SPRINKLER SYSTEMS
 - NEW SPRINKLER SYSTEMS
- FIRE BARRIER SEPARATION WALLS (SPRINKLERED):
 - VERTICAL OPENINGS (INCL. EXISTING) - 1 HR.
 - DOOR OPENINGS - 1 HR.
 - STAIR ENCLOSURES - 1 HR. FIRE BARRIER (SPRINKLERED)
 - STAIR WALKWAYS - 1 HR. FIRE BARRIER (SPRINKLERED)
 - STAIR WALKWAYS - 1 HR. FIRE BARRIER (SPRINKLERED)
 - CORRIDOR WALLS - 1 HR. FIRE BARRIER (SPRINKLERED)
 - CORRIDOR WALLS - 1 HR. FIRE BARRIER (SPRINKLERED)

TRAVEL DISTANCE (SPRINKLERED)

- TRAVEL DISTANCE - 72'
- TRAVEL DISTANCE - 100' (SPRINKLERED)
- TRAVEL DISTANCE - 100' (SPRINKLERED)
- TRAVEL DISTANCE - 100' (SPRINKLERED)

EGRESS TRAVEL DISTANCE

- EGRESS TRAVEL DISTANCE
- DIAGONAL BUILDING DIMENSION
- DOOR SEPARATION DIMENSION
- OCCUPANT LOAD AT DESIGNATED LOCATION
- FIRE SEPARATION WALL RATING AS INDICATED
- WALL TYPE DESIGNATION
- SYSTEM INTEGRATED EMERGENCY LIGHT (LAMP)
- ILLUMINATED EXIT SIGN W/ DIRECTIONAL CHEVRON
- MANUAL FIRE PULL STATION
- MAGNETIC DOOR HOLDBACK
- (H) FIRE HORN (HS) FOR STROBECORN
- 10LB ABC TYPE EXTINGUISHER
- COMBINATION RATE OF RISE (ROF) AND PHOTOELECTRIC SMOKE DETECTOR (SYSTEM INTEGRATED)
- PHOTOELECTRIC SMOKE DETECTOR (SYSTEM INTEGRATED)
- PHOTOELECTRIC LASER SMOKE DETECTOR (SYSTEM INTEGRATED)
- FLUORESCENT LIGHT FIXTURE W/ EMERGENCY LIGHT BALLAST (SYSTEM INTEGRATED)
- FIRE RATED CEILING

MAIN SCHOOL BUILDING AND FR. HAYES CENTER FACILITY

LOWER LEVEL: (EDUCATIONAL / ASSEMBLY USES)

USE AREA	SF. METHOD	MAXIMUM ACTUAL OCCUPANCY
CLASSROOMS	448 NET SF @ 120 N.S.F.	373 OCCUPANTS
FACILITY AREA (COPY ROOM)	487 NET SF @ 150 N.S.F.	325 OCCUPANTS
RECREATIONAL AREAS	471 NET SF @ 150 N.S.F.	314 OCCUPANTS
STORAGE AREAS	794 NET SF @ 150 N.S.F.	529 OCCUPANTS
TOTAL (LOWER LEVEL)		1541 OCCUPANTS

FIRST FLOOR: (EDUCATIONAL / BUSINESS / INCIDENTAL ASSEMBLY USES)

USE AREA	SF. METHOD	MAXIMUM ACTUAL OCCUPANCY
FR. HAYES LOBBY	401 NET SF @ 130 N.S.F.	301 OCCUPANTS
BUSINESS OFFICE	645 NET SF @ 150 N.S.F.	430 OCCUPANTS
CLASSROOMS	487 NET SF @ 150 N.S.F.	406 OCCUPANTS
KITCHEN	438 NET SF @ 150 N.S.F.	292 OCCUPANTS
STORAGE AREAS	794 NET SF @ 150 N.S.F.	529 OCCUPANTS
GYMNASIUM / ASSEMBLY	1134 NET SF @ 37.5 N.S.F.	400 OCCUPANTS
STANDING AREA	452 NET SF @ 37.5 N.S.F.	169 OCCUPANTS
STAGE	798 NET SF @ 135 N.S.F.	598 OCCUPANTS
TOTAL (FIRST FLOOR LEVEL)		3073 OCCUPANTS

SECOND FLOOR: (EDUCATIONAL / LIBRARY USES)

USE AREA	SF. METHOD	MAXIMUM ACTUAL OCCUPANCY
LIBRARY	761 NET SF @ 150 N.S.F.	507 OCCUPANTS
CLASSROOMS	2,172 NET SF @ 150 N.S.F.	1448 OCCUPANTS
TOTAL (SECOND FLOOR LEVEL)		1955 OCCUPANTS

TOTAL OCCUPANCY (LOAD ALL BUILDINGS & ALL FLOORS)

1,294 OCCUPANTS ACTUAL • 1,260 OCCUPANTS MAXIMUM

LIFE SAFETY PLAN LEGEND

TRAVEL DISTANCE = 72'

EGRESS TRAVEL DISTANCE

DIAGONAL BUILDING DIMENSION

DOOR SEPARATION DIMENSION

OCCUPANT LOAD AT DESIGNATED LOCATION

FIRE SEPARATION WALL RATING AS INDICATED

WALL TYPE DESIGNATION

SYSTEM INTEGRATED EMERGENCY LIGHT (LAMP)

ILLUMINATED EXIT SIGN W/ DIRECTIONAL CHEVRON

MANUAL FIRE PULL STATION

MAGNETIC DOOR HOLDBACK

(H) FIRE HORN (HS) FOR STROBECORN

10LB ABC TYPE EXTINGUISHER

COMBINATION RATE OF RISE (ROF) AND PHOTOELECTRIC SMOKE DETECTOR (SYSTEM INTEGRATED)

PHOTOELECTRIC SMOKE DETECTOR (SYSTEM INTEGRATED)

PHOTOELECTRIC LASER SMOKE DETECTOR (SYSTEM INTEGRATED)

FLUORESCENT LIGHT FIXTURE W/ EMERGENCY LIGHT BALLAST (SYSTEM INTEGRATED)

FIRE RATED CEILING

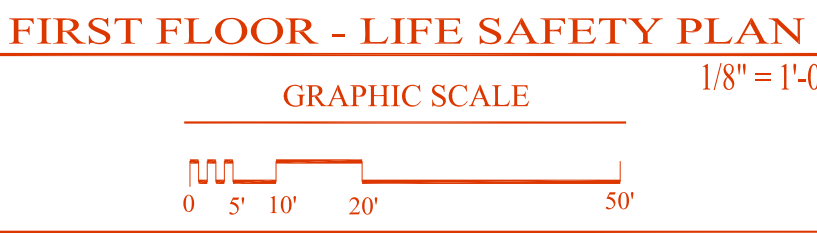
ROOM NAME

ROOM NAME & NUMBER

(E) EXISTING COMPONENT OR DEVICE

(R) REMOVE EXISTING COMPONENT OR DEVICE

(N) NEW COMPONENT OR DEVICE



60% PROGRESS SET - RELEASED FOR BIDDING ONLY
 NOT FOR CONSTRUCTION - JANUARY 07, 2014

ST. BRIGID SCHOOL - RESTROOM PROJECT
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FHR-LS-201

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