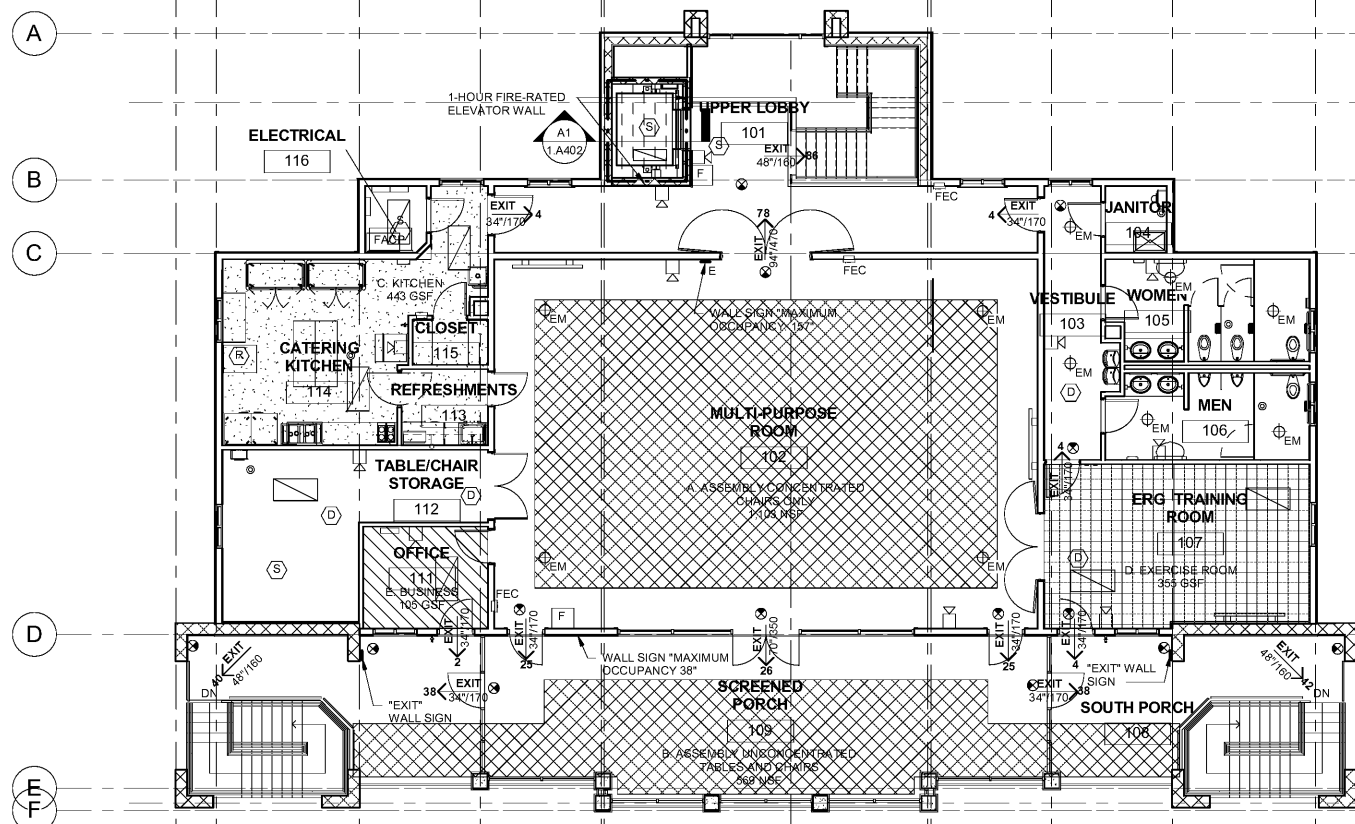
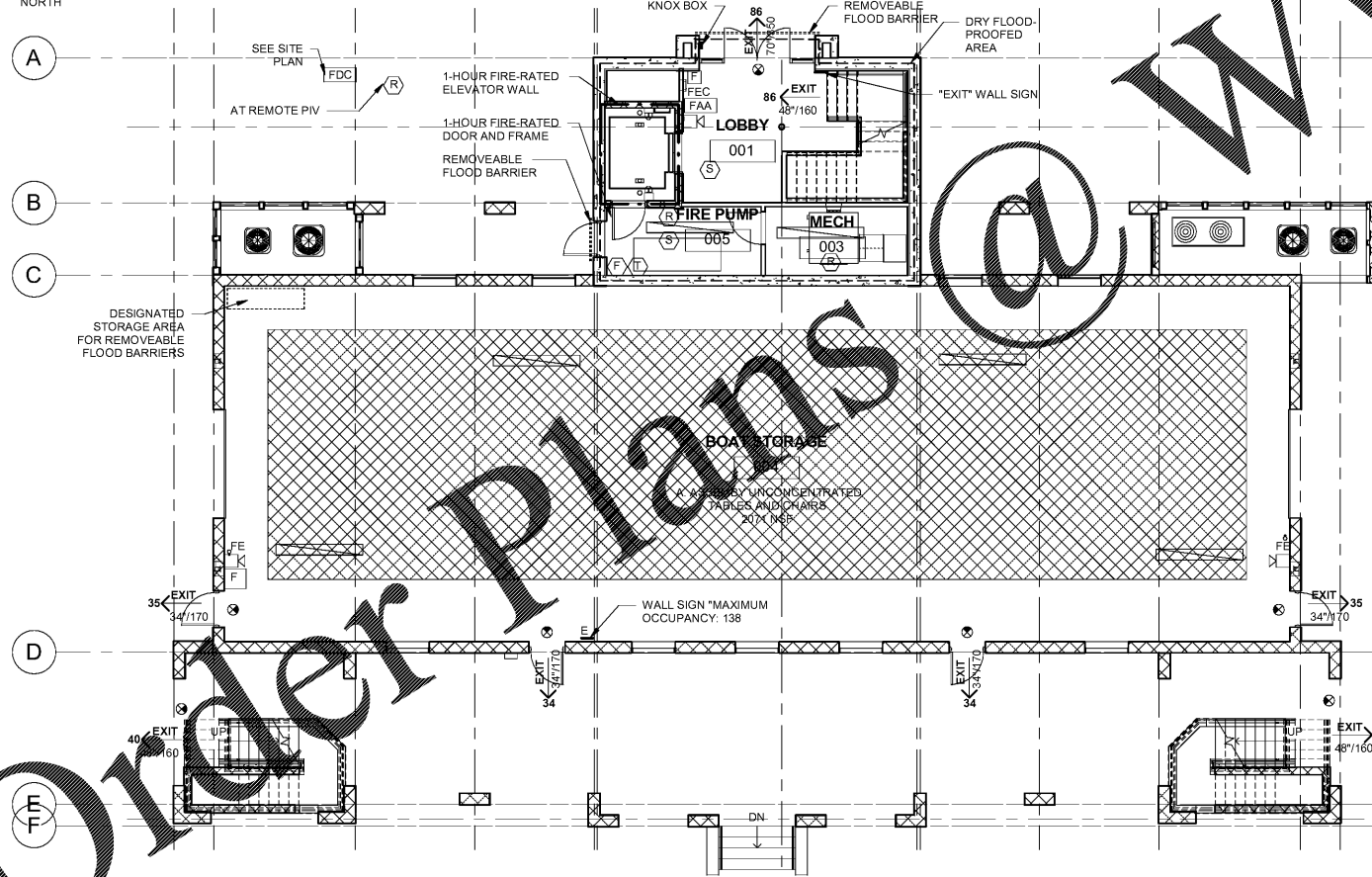


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LIFE SAFETY PLAN-BOAT HOUSE FIRST FLOOR
SCALE: 1/8" = 1'-0"



LIFE SAFETY PLAN-BOAT HOUSE GROUND FLOOR
SCALE: 1/8" = 1'-0"

LIFE SAFETY LEGEND

- EXIT DISCHARGE
- INDICATES OCCUPANT LOAD
- INDICATES EXIT CAPACITY
- INDICATES OPENING WIDTH
- DOOR FIRE RATING (IF REQUIRED)
- 1 HOUR RATED FIRE PARTITION (UL DESIGN U305 OR U344 - SEE WALL TYPES)
- 1-HOUR RATED ROOF/CEILING ASSEMBLY (UL DESIGN P522)
- EMERGENCY EXIT SIGNS
- EMERGENCY LIGHTS, REFER TO ELECTRICAL DRAWINGS
- FIRE EXTINGUISHER (F.E.C. = FIRE EXTINGUISHER CABINET)
- FIRE ALARM HORN/STROBE
- FIRE ALARM PULL STATION
- SMOKE DETECTOR
- TAMPER SWITCH DETECTOR
- FLOW SWITCH DETECTOR
- SUPERVISED RELAY SWITCH
- DUCT SMOKE DETECTOR
- FIRE ALARM CONTROL PANEL
- FIRE ALARM ANNUNCIATOR
- FIRE DEPARTMENT CONNECTION

OCCUPANCY FLOOR AREAS

- ASSEMBLY OCCUPANCY
- EXERCISE ROOMS
- BUSINESS OCCUPANCY
- KITCHENS

FLOOD PROOFING SUMMARY

BUILDING INFORMATION
 BUILDING OCCUPANCY: NON-RESIDENTIAL
 IS BUILDING A BUSINESS PROPERTY? YES
 BASEMENT, ENCLOSURE, CRAWLSPACE? NONE
 NUMBER OF FLOORS IN BUILDING: 2
 IS BUILDING OVER WATER? NO
 IS BUILDING ELEVATED? YES
 WILL BUILDING BE FLOODPROOFED? YES
 CONSTRUCTION DATE: CONSTRUCTION START DATE: 08-13-2018

DRY FLOODPROOFING SYSTEMS:
 THIS PROJECT UTILIZES THE FOLLOWING ELEMENTS TO PREVENT THE INTRUSION OF FLOOD WATERS:

- GENERAL: THE PORTIONS OF THE PROJECT DESIGNATED AS "DRY FLOODPROOFED" SHALL COMPLY WITH CHAPTER 3 FEMA PUBLICATION P-36 "FLOOD PROOFING NON-RESIDENTIAL BUILDINGS."
- CONCRETE SLAB FOUNDATIONS: FLOOR FLOOD-PROOFING SHALL BE ACCOMPLISHED BY PLACING A MEMBRANE OF NOT LESS THAN 10-MIL POLYETHYLENE WITH JOINTS NOT LAPPED LESS THAN 6 INCHES OR OTHER APPROVED MATERIALS UNDER THE SLAB. JOINTS SHALL BE LAPPED AND SEALED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS (REF IBC 1805.3.1). SEAL ALL PENETRATIONS THROUGH SLAB, AND INSTALL WATERSTOPS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PREVENT INTRUSION OF FLOOD WATERS.
- WALLS: CONCRETE WALL FLOOD-PROOFING SHALL CONSIST OF LIQUID APPLIED POLYMER MODIFIED PORTLAND CEMENT COATING(S) DESIGNED TO WITHSTAND POSITIVE HYDROSTATIC PRESSURE ON CONCRETE WALLS TO A HEIGHT EQUAL TO OR ABOVE THE DESIGN FLOOD ELEVATION (DFE). SEE SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL INFORMATION. HOLES AND RECESSES RESULTING FROM REMOVAL OF TIES SHALL BE SEALED WITH A BITUMINOUS MATERIAL OR OTHER APPROVED METHODS OR MATERIALS. WALL WATERPROOFING SHALL BE APPLIED FROM THE BOTTOM OF THE WALL TO NOT LESS THAN 12 INCHES ABOVE THE DESIGN FLOOD ELEVATION. THE REMAINDER OF THE WALL SHALL BE DAMP-PROOFED IN ACCORDANCE WITH SECTION 1805.2.2 OF THE 2015 IBC. SEAL ALL PENETRATIONS THAT PASS THROUGH WALLS BELOW THE DFE AS SHOWN ON DRAWINGS AND AS REQUIRED TO PREVENT INTRUSION OF FLOOD WATERS.
- FLOOD BARRIERS: SHALL BE DESIGNED TO MEET THE REQUIREMENTS OF ASCE-24 BASED ON THE DESIGN CRITERIA PROVIDED IN THESE DRAWINGS. SHOP DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY THE SPECIALTY ENGINEER, REGISTERED IN SC, SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL. FLOOD BARRIERS SHALL BE STORED ON-SITE IN A DESIGNATED AREA READY FOR INSTALLATION.

WET FLOODPROOFING SYSTEMS:
 THIS PROJECT UTILIZES THE FOLLOWING ELEMENTS TO SAFELY ALLOW THE POSITIVE AND NEGATIVE FLOW FLOOD WATERS INTO AND OUT OF THE BUILDING:

- GENERAL: PORTIONS OF THE BUILDING NOT DESIGNED TO BE DRY FLOOD-PROOFED SHALL BE "WET FLOOD-PROOFED" IN ACCORDANCE WITH SECTION 4.2 OF FEMA PUBLICATION P-36 "FLOOD PROOFING NON-RESIDENTIAL BUILDINGS" AND NFIP TECHNICAL BULLETIN 7-93. THIS PROJECT UTILIZES THE FOLLOWING ELEMENTS TO MEET THESE REQUIREMENTS.
- FLOOD DAMAGE-RESISTANT MATERIALS: ALL CONSTRUCTION PRODUCTS AND MATERIALS PLACED BELOW DFE SHOULD BE RESISTANT TO DAMAGE WHEN EXPOSED TO FLOOD WATER AND MUST MEET THE REQUIREMENTS OF CLASS 4 OR 5 MATERIALS AS OUTLINED IN FEMA TECHNICAL BULLETIN NO. 2 "FLOOD DAMAGE-RESISTANT MATERIALS REQUIREMENTS."
- FLOOD OPENINGS FOR EQUALIZATION: LOUVERS AND FLOOD VENTS ARE DESIGNED TO ALLOW BOTH POSITIVE AND NEGATIVE FLOW OF FLOOD WATERS AND SHOULD MEET THE FABRICATION AND INSTALLATION REQUIREMENTS OF NFIP 7-93 AND FEMA P-36.

CONSTRUCTION INSPECTION REQUIREMENTS:

- RESPONSIBILITY: THE GENERAL CONTRACTOR SHALL REVIEW AND BE FAMILIAR WITH ALL FLOOD PROOFING REQUIREMENTS AND SYSTEMS INDICATED IN THESE DRAWINGS, AND COORDINATE THE INSTALLATION OF FLOOD PROOFING SYSTEMS IN ACCORDANCE WITH FEMA, NFIP, IBC, AND ASCE-24 REQUIREMENTS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR CONDITIONS THAT MIGHT PREVENT THE PROPER INSTALLATION OF FLOOD PROOFING SYSTEMS AS SHOWN IN THESE DRAWINGS PRIOR TO THE INSTALLATION OF SUCH SYSTEMS.
- FLOODPLAIN MANAGER: OFFICE OF THE STATE ENGINEER (OSE) IS THE DESIGNATED FLOODPLAIN MANAGER.
- FINAL INSPECTION: SUBSTANTIAL COMPLETION. THE GENERAL CONTRACTOR SHALL HAVE A REGISTERED LAND SURVEYOR PROVIDE AN ELEVATION CERTIFICATE (FEMA FORM 086-0-33) AND SUBMIT COPIES TO THE ARCHITECT AND THE FLOODPLAIN MANAGER.
 - COMPLETION OF FLOOR SLAB
 - FINAL INSPECTION SUBSTANTIAL COMPLETION
- INSPECTIONS AND TESTING: IN ADDITION TO ANY FLOOD PROOFING RELATED INSPECTIONS REQUIRED BY THE AUTHORITY HAVING JURISDICTION, THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT AT LEAST 48 HOURS IN ADVANCE FOR INSPECTIONS OF THE FOLLOWING ITEMS. DO NOT PROCEED WITHOUT INSPECTION AND APPROVAL FROM THE ARCHITECT OR ENGINEER.
 - UNDERSLAB MEMBRANE (PRIOR TO CONCRETE POUR)
 - AFTER APPLICATION OF WALL FLOOD PROOFING MEMBRANE
 - AFTER INSTALLATION OF LOUVERS AND FLOOD VENTS
 - COMPLETION OF FLOOD BARRIER INSTALLATION. GENERAL CONTRACTOR SHALL FULLY INSTALL FLOOD BARRIER AND TEST INSTALLATION TO DEMONSTRATE ACCEPTABLE PERFORMANCE OF INSTALLED FLOOD BARRIERS.
- CERTIFICATION: THE ARCHITECT, UPON COMPLETION OF ALL INSPECTIONS AND ACCEPTANCE OF THE WORK, WILL ISSUE A FLOOD PROOFING CERTIFICATE (FEMA FORM 086-0-24) TO THE OWNER AND THE FLOODPLAIN MANAGER.

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Revisions	
Rev. No.	Rev. Date

DRAWN BY: FAM
 CHECKED BY: FAM
 DATE: 06.01.2018
 COAST PROJECT NO: 1722.00
BOAT HOUSE LIFE SAFETY PLANS
0.G003

BID DOCUMENTS