



**CODE DATA:**  
 BUILDING CODES: IBC FOR CONSTRUCTION, LIFE SAFETY CODE FOR LIFE SAFETY AND EGRESS.  
 CODE EDITIONS: IBC 2009, NFPA 101 2009  
 CONSTRUCTION TYPE: IIB NON-COMBUSTIBLE  
 OCCUPANCY: MIXED NON-SEPARATED BASED ON I-1 FOR AREA ACTUAL USE IS BUSINESS AND INSTITUTIONAL / RESIDENTIAL.  
 ACTUAL AREA OF BUILDING: APPROXIMATELY 23,300 SQUARE FEET  
 ALLOWABLE AREA FOR I-1: 47,500 SQUARE FEET  
 TABLE ALLOWED: 10,000 SQUARE FEET  
 SPRINKLER CREDIT: 30,000 SQUARE FEET  
 OPEN AREA: 7,500 SQUARE FEET  
 SPRINKLERED: 2010 NFPA 13  
 INSTITUTIONAL HEADS ARE USED IN SLEEPING AREAS ARE REDUCTIONS TAKEN FOR QUICK RESPONSE HEADS KITCHEN SUPPRESSION SYSTEMS IN DAY-ROOM HOODS  
 FIRE ALARM: 2010 NFPA 72  
 EVACUATION UPON GENERAL ALARM OR SMOKE.  
 MANUAL PULL STATIONS ARE KEY OPERATED ONLY BY STAFF.  
 ALL SLEEPING ROOMS ARE PROVIDED WITH ADA STROBES PER VA. ACCESS CONTROL AND DELAYED EGRESS PER NFPA 101  
 TRAVEL DISTANCES ARE INDICATED WITH (ALLOWED) IN BRACKETS

OCCUPANT LOADS: 173 TOTAL  
 RESIDENTIAL WING @ 200 SQFT PER PERSON: 40 OCCUPANTS  
 BUSINESS WING @ 100 SQFT PER PERSON: 133 OCCUPANTS

SR CODE REQUIRED 30 MINUTE RATING, TYPICALLY CONSTRUCTED TO 1-HR  
 1HR ONE HOUR FIRE RATING  
 FEC FIRE EXTINGUISHER CABINET  
 FEW FIRE EXTINGUISHER ON WALL  
 WERE SHOWN ON ARCH. ADDED TO LS SHEET

three inches = one foot  
 one and one half inches = one foot  
 one inch = one foot  
 three quarters inch = one foot  
 one half inch = one foot  
 three eighths inch = one foot  
 one quarter inch = one foot  
 one eighth inch = one foot  
 one sixteenth inch = one foot

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- DESIGN CONCEPTS:**
- DESIGN IS BASED ON A COMPILATION OF CRITERIA FROM THE INTERNATIONAL BUILDING CODE, LIFE SAFETY CODE, VETERANS ADMINISTRATION DESIGN MANUALS, VA SPECIFICATIONS, ETC. CONTRACTORS SHALL PAY CLOSE ATTENTION TO DOCUMENTS FOR UNIQUE CONDITIONS.
  - RESIDENTIAL ROOMS ARE ALL DESIGNED TO ACCOMMODATE HEARING IMPAIRED INDIVIDUALS. AS SUCH, MULTIPLE POWER PANELS ARE REQUIRED.
  - RESIDENTIAL ROOMS SHALL BE DESIGNED WITH CONSIDERATION OF INDIVIDUALS WHO MAY TRY AND TAMPER WITH DEVICES. TAMPER RESISTANT SCREWS/BOLTS SHALL BE USED WITH FIRE PROTECTION DEVICES IN GUEST ROOMS WHEREVER AVAILABLE.
  - UPON ACTIVATION OF A FIRE ALARM IT IS EXPECTED THAT ALL OCCUPANTS SHALL EVACUATE THE BUILDING.
  - ACCESS CONTROL DEVICES ARE PROVIDED WITH DELAYED EGRESS COMPONENTS IN ACCORDANCE WITH LIFE SAFETY CODE. SEE ARCHITECTURAL AND ELECTRICAL DRAWINGS FOR OPERATIONAL SEQUENCE. UNDER NO CONDITION SHALL SUCH DEVICES VIOLATE SPECIFIC PROVISIONS OF THE LIFE SAFETY CODE.

- DELAYED-EGRESS LOCKING SYSTEMS:**
- APPROVED AND LISTED DELAYED-EGRESS SYSTEMS SHALL COMPLY WITH NFPA 101, SECTION 7.2.1.6, AND THE FOLLOWING:
    - DOOR LEAVES SHALL UNLOCK UPON ACTIVATION OF THE FOLLOWING:
      - ACTIVATION OF AUTOMATIC SPRINKLER SYSTEM, OR
      - ANY AREA SMOKE DETECTOR, OR
      - ANY MANUAL PULL STATION
    - UPON LOSS OF POWER TO THE LOCKING SYSTEM.
    - AN IRREVERSIBLE PROCESS SHALL RELEASE THE LOCK WITHIN 15 SECONDS UPON APPLICATION OF A FORCE TO THE RELEASE DEVICE UNDER THE FOLLOWING:
      - THE FORCE SHALL NOT EXCEED 15 LBF.
      - THE FORCE SHALL NOT BE REQUIRED TO BE APPLIED FOR MORE THAN 3 SECONDS TO INITIATE.
      - UPON INITIATION AN AUDIBLE SIGNAL SHALL ACTIVATE IN THE PROXIMITY OF THE DOOR.
      - ONCE ACTIVATED, RELOCKING SHALL BE BY MANUAL MEANS.
    - A READILY VISIBLE AND DURABLE SIGN IN LETTERS NOT LESS THAN 1-INCH HIGH AND NOT LESS THAN 1/8-INCH STROKE WIDTH ON A CONTRASTING BACKGROUND THAT READS "PUSH UNTIL ALARM SOUNDS" DOOR CAN BE OPENED IN 15 SECONDS".
    - DOORS SHALL BE CONFIGURED TO IMMEDIATELY RELEASE UPON FUNCTIONS BY STAFF MEMBERS WHICH MAY INCLUDE SWIPING A CARD, ENTERING A CODE, ETC.

- FIRE DEPARTMENT REQUIREMENTS:**
- DEAD-END ACCESS ROADS FOR FIRE DEPARTMENT TRUCKS SHALL NOT BE MORE THAN 150 FEET WITHOUT PROVISIONS TO TURN AROUND.
  - KNOX BOX SHALL BE PROVIDED AT MAIN ENTRANCE.
  - ROOMS CONTAINING FIRE ALARM PANEL, SPRINKLER RISER, AIR CONDITIONING SYSTEMS SHALL BE IDENTIFIED BY APPROVED SIGNS TO IDENTIFY LOCATION. SIGNS SHALL BE PERMANENTLY INSTALLED AND READILY VISIBLE.
  - FIRE DEPARTMENT CONNECTIONS (FDC'S) SHALL INCLUDE 5-INCH STORZ CONNECTION WITH A LOCKING KNOX CAP. STORZ SHALL BE INSTALLED ON A 30 DEGREE ELBOW TURNED DOWN. OVERALL HEIGHT OF CONNECTION SHALL BE BETWEEN 30 AND 48 INCHES. SEE WWW.KNOXBOX.COM FOR KNOX COMPONENTS.
  - FDC SHALL BE WITHIN 100-FEET OF A FIRE HYDRANT.

A KNOX LOCK SHALL BE PROVIDED ON THE ACCESS GATE WITH CHAIN OR MANNER THAT WILL ALLOW BOTH THE OWNER AND FIRE DEPARTMENT TO UNLOCK THE GATE WITH TWO INDEPENDENT LOCKS.

DRAWING IS NOT TO SCALE SO THAT THE ENTIRE BUILDING WILL FIT ON ONE SHEET.

FULLY SPRINKLERED  
 100% CONSTRUCTION DOCUMENTS

<p><b>CONSULTANTS:</b></p> <p><b>Lacey</b>          Fire Protection Engineering, LLC          17 BUSINESS PARK DR          SUITE #10          GREENBRIER, AR 72058          PH: (501) 679-2373          www.LaceyFPE.com</p>		<p>THIS IS NOT AN ORIGINAL SEALED DOCUMENT. AN ORIGINAL SEALED COPY IS AVAILABLE AT 17 BUSINESS PARK DRIVE #10 GREENBRIER, AR 72058.</p>		<p><b>ARCHITECT / ENGINEERS:</b></p> <p><b>TAGGART FOSTER CURRENCE GRAY ARCHITECTS INC.</b>          4500 Burrow Drive, North Little Rock, Arkansas 72116          T. 501.758.7443 F. 501.753.7309</p>		<p>Drawing Title  <b>LIFE SAFETY PLAN          AREAS "A", "B", "C"</b></p>		<p>Project Title  <b>RENOVATE LEROY POND ARMY          RESERVE CENTER FOR MENTAL          HEALTH RESIDENTIAL REHABILITATION          TREATMENT / POLICE TRAINING</b></p>		<p>Project Number  <b>564-341</b></p>	
<p>REVISION 1 (SHOWING FIRE EXTINGUISHERS) 10/12/2015</p>		<p>DATE</p>		<p>Approved: Project Director</p>		<p>Location  <b>FAYETTEVILLE, ARKANSAS</b></p>		<p>Drawing Number  <b>LS-101</b></p>		<p>Office of Facilities Management</p>	
<p>Checked: SWL</p>		<p>Drawn: SWL</p>		<p>Date  <b>08/31/12</b></p>		<p>Dwg. of</p>		<p>08/31/12</p>		<p>08/31/12</p>	