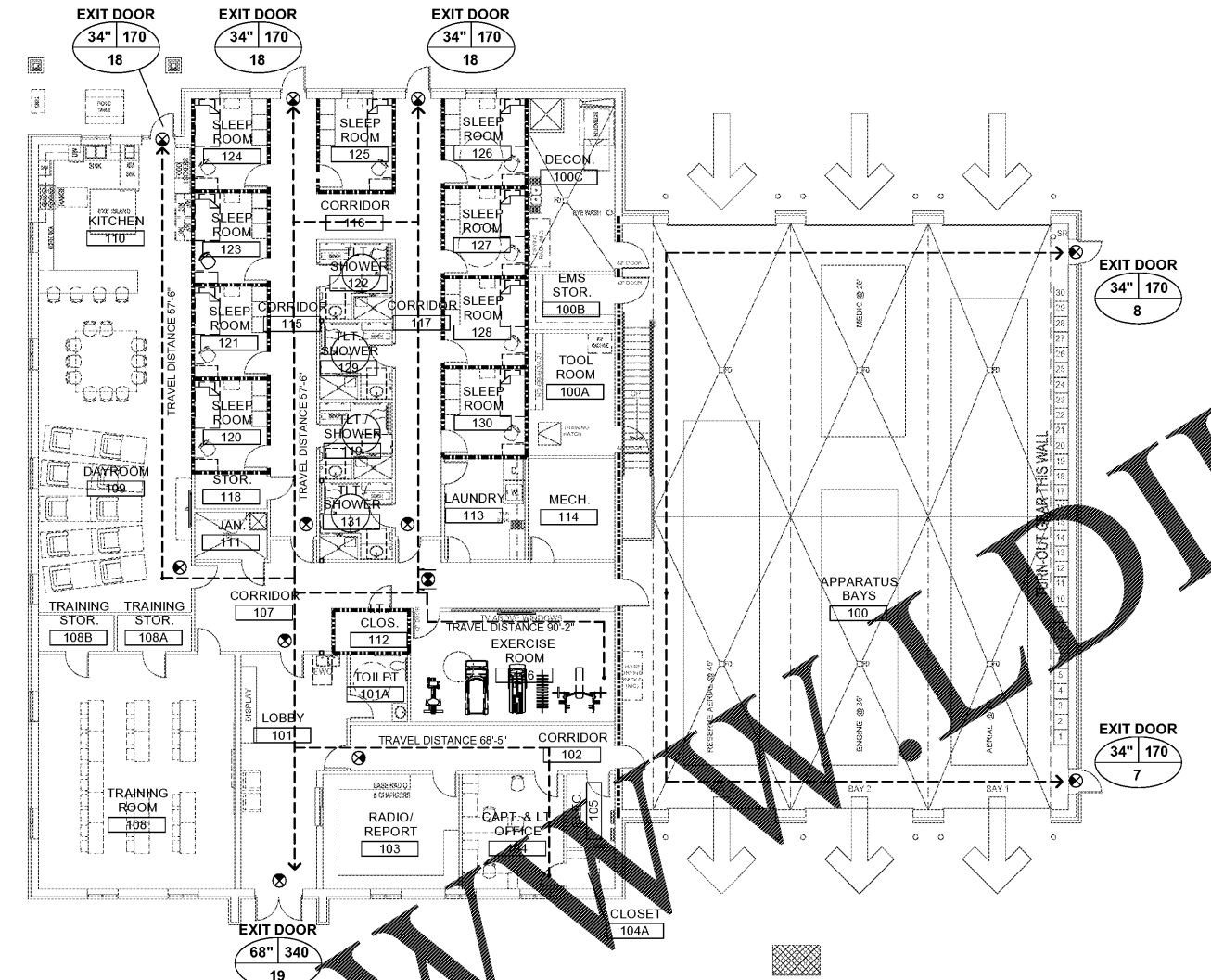


CODE ANALYSIS

MINIMUM STANDARD CODES		
IBC - INTERNATIONAL BUILDING CODE	2012 EDITION W/ GEORGIA AMENDMENTS	
IFGC - INTERNATIONAL FUEL GAS CODE	2012 EDITION W/ GEORGIA AMENDMENTS	
IMC - INTERNATIONAL MECHANICAL CODE	2012 EDITION W/ GEORGIA AMENDMENTS	
IPC - INTERNATIONAL PLUMBING CODE	2012 EDITION W/ GEORGIA AMENDMENTS	
NATIONAL ELECTRICAL CODE	2017 EDITION W/ GEORGIA AMENDMENTS	
INTERNATIONAL FIRE CODE	2012 EDITION W/ GEORGIA AMENDMENTS	
INTERNATIONAL ENERGY CONSERVATION CODE	2009 EDITION W/ GEORGIA AMENDMENTS	
ADA STANDARDS FOR ACCESSIBLE DESIGN	2010 EDITION W/ GEORGIA AMENDMENTS	
NFPA - 101 LIFE SAFETY CODES	2012 EDITION W/ GEORGIA AMENDMENTS	

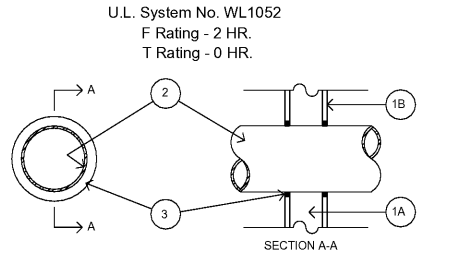
REVIEW PER DESIGN		
NON SEPARATED OCCUPANCY (IBC CHAPTER 3, NFPA 101 CHAPTER 6)		
IBC	<u>B</u>	NFPA <u>BUSINESS</u>
TYPE OF CONSTRUCTION (IBC CHAPTER 6, NFPA 101 CHAPTER 6)		
IBC	<u>IIB</u>	NFPA <u>II (000)</u>
SPRINKLER REQUIRED (IBC CHAPTER 9, NFPA CHAPTER 7)		
YES	<u>NO</u>	X LESS THAN 300 OCCUPANTS YES <u>X</u> NO
BUILDING FLOOR AREA ALLOWED PER FLOOR (IBC TABLE 503)		
1ST FLOOR ALLOWED	<u>23,000 SF</u>	BY DESIGN <u>12,928 SF</u>
TOTAL ALLOWED	<u>23,000 SF</u>	BY DESIGN <u>12,928 SF</u>
BUILDING HEIGHT (IBC TABLE 503)		
HEIGHT ALLOWED	<u>55'-0"</u>	3 STORIES
HEIGHT BY DESIGN	<u>27'-6"</u>	TO RIDGE OF ROOF 1 STORY
OCCUPANT LOAD (IBC SECT. 1004 & TABLE 1004.1.2, NFPA T-7.3.1.2)		
BUSINESS - 6624 SF / 100SF PER PERSON	=	67 OCCUPANTS
STORAGE - 4472 SF / 300SF PER PERSON	=	15 OCCUPANTS
RESIDENTIAL - 1035 SF / 200SF PER PERSON	=	6 OCCUPANTS
TOTAL	=	88 OCCUPANTS
REQUIRED MEANS OF EGRESS		
PER NFPA 101: 88 PEOPLE * 2" PER PERSON = 176"		
EGRESS CAPACITY PROVIDED: 7 * 34" = 238"		
TRAVEL DISTANCES		
COMMON PATH (IBC 1014.3, NFPA T-A7.6)		75 FT
DEAD END (IBC 1018.4, NFPA T-A7.6)		20 FT
TRAVEL DISTANCE (IBC T-1016.2, NFPA A7.6.1)		200 FT
FIRE RESISTANCE RATING REQUIRED (IBC TABLE 601, NFPA TABLE A-8.2.1.2)		
STRUCTURAL FRAME	IBC <u>0</u> HR	NFPA <u>0</u> HR
***Including columns, girders and trusses		
BEARING WALLS		
EXTERIORS	IBC <u>0</u> HR	NFPA <u>0</u> HR
INTERIORS	IBC <u>0</u> HR	NFPA <u>0</u> HR
NONBEARING WALLS & PARTITIONS		
EXTERIORS	IBC <u>0</u> HR	NFPA <u>0</u> HR
INTERIORS	IBC <u>0</u> HR	NFPA <u>0</u> HR
FLOOR CONSTRUCTION		
***Including supporting beams & joists	IBC <u>0</u> HR	NFPA <u>0</u> HR
ROOF CONSTRUCTION		
***Including supporting beams & joists	IBC <u>0</u> HR	NFPA <u>0</u> HR
REQUIRED SEPARATION OF OCCUPANCIES (IBC T-508.4, NFPA T-6.1.14.4.1)		
NON SEPARATED OCCUPANCIES	IBC <u>0</u> HR	NFPA <u>2</u> HR



1 LIFE SAFETY PLAN
G-003 SCALE: 3/32" = 1'-0"

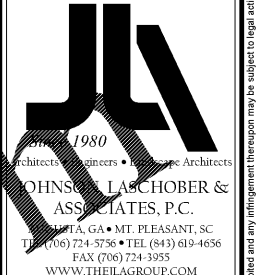
LIFE SAFETY PLAN LEGEND

	EGRESS TRAVEL PATH: DISTANCE NOTED IS ACTUAL.
	ROOM AREA
	OCCUPANCY LOAD FACTOR AND METHOD
	EXIT DOOR
	EXIT CAPACITY (DOOR EGRESS WIDTH * 0.2)
	ANTICIPATED LOAD
	EGRESS WIDTH
	HAZARDOUS MATERIAL
	PD
	FIRE EXTINGUISHER CABINET WITH FIRE EXTINGUISHER
	FIRE EXTINGUISHER WITH BRACKET
	EXIT SIGN
	1-HR RATED WALL
	2-HR RATED WALL



- WALL ASSEMBLY**
The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
A. STUDS
Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom. 2x4 in. lumber spaced 16 in. OC. Steel studs to be min. 2-1/2 in. wide and spaced max. 24 in. OC.
B. WALLBOARD, GYPSUM*
One layer of 5/8 in. thick gypsum wallboard, as specified in the individual Wall and Partition Design. Max. diam. of opening is 12 in.
- THROUGH PENETRANTS**
One metallic pipe, conduit or tubing to be centered within the firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. An annular space of min. 1/4 in. to max. 1-1/4 in. is required within the firestop system. The following types and sizes of metallic pipes, conduit or tubing may be used:
A. STEEL PIPE
Nom. 10 in. diam. (or smaller) Schedule 10 (or heavier) steel pipe
B. CONDUIT
Nom. 4 in. diam. (or smaller) steel electrical metallic tubing or steel conduit
C. COPPER TUBING
Nom. 4 in. diam. (or smaller) Type L (or heavier) copper tubing.
D. COPPER PIPE
Nom. 4 in. diam. (or smaller) Regular (or heavier) copper pipe.
- FILL, VOID OR CAVITY MATERIAL - SEALANT**
Min. 1 1/4 in. thickness of fill material applied within the annulus, flush with both surfaces of the wall.
HiTi Construction Chemicals, Inc. - FS601 Sealant
* Bearing the UL Classification Marking.

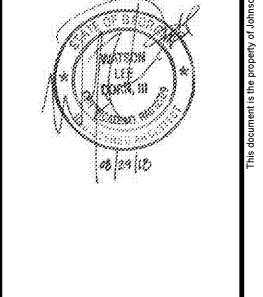
3 1 HR. PIPE PENETRATION
G-003 NO SCALE



CLIENT: AUGUSTA, GA
535 TELFAIR STREET, AUGUSTA, GA 30901

PROJECT NAME: **FIRE STATION #2**

PROJECT LOCATION: 928 TELFAIR ST., AUGUSTA, GA 30901



REV	DATE	BY	DESCRIPTION
0	08/29/18	WLD	ISSUED FOR PERMITTING

PROJECT NO.	3042.1604
DRAWN BY:	CBW
CHECKED BY:	WLD
DATE:	10/18/17
SHEET TITLE:	
LIFE SAFETY PLAN & CODE ANALYSIS	
SCALE:	AS NOTED
DRAWING NO.	REV.
G-002	0

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