

NAME OF PROJECT: ROWAN COUNTY - EMS STATION 05
 ADDRESS: XXX NORTH SHAVER STREET / SALISBURY NORTH CAROLINA 28144
 PROPOSED USE: BUSINESS - EMS STATION
 OWNER/CONTACT PERSON: FRANK THOMASON PHONE # 704.216.8920
 OWNED BY: CITY/COUNTY PRIVATE STATE
 CODE ENFORCEMENT JURISDICTION: CITY SALISBURY COUNTY ROWAN

LEAD DESIGN PROFESSIONAL: KAREN K. ALEXANDER, AIA

DESIGNER	NAME	LICENSE #	PHONE #
ARCHITECTURAL	<u>KAREN K. ALEXANDER, AIA</u>	<u>5700</u>	<u>704.642.0071</u>
CIVIL	<u>MICHAEL D. BOWERS, PE</u>	<u>21594</u>	<u>704.630.0075</u>
ELECTRICAL	<u>RANDALL W. STURGILL, PE</u>	<u>16871</u>	<u>336.230.1241</u>
PLUMBING	<u>MICHAEL D. BOWERS, PE</u>	<u>21594</u>	<u>704.630.0075</u>
MECHANICAL	<u>MICHAEL D. BOWERS, PE</u>	<u>21594</u>	<u>704.630.0075</u>
STRUCTURAL	<u>R. STERLING SMITH, PE</u>	<u>5088</u>	<u>704.344.8811</u>
RETAINING WALLS			
SPRINKLER-STANDPIPE			
FIRE ALARM	<u>RANDALL W. STURGILL, PE</u>	<u>16871</u>	<u>336.230.1241</u>
OTHER			

YEAR EDITION OF CODE: NC SBC 2006
 NEW CONSTRUCTION RENOVATION (EXTS BLDG)
 RECONSTRUCTION ALTERATION

BUILDING DATA:

CONSTRUCTION TYPE: IA IB IIA IIB IIIA
 IIIB IV VA VB
 MIXED CONSTRUCTION: YES NO TYPE _____
 SPRINKLED: YES NO NFPA I3 I3R I3D
 STANDPIPE: YES NO I II III NET DRY
 FIRE DISTRICT: YES NO
 BUILDING HEIGHT: 23 FEET 01 NUMBER OF STORIES UL PER: _____
 MEZZANINE: YES NO
 HIGH RISE: YES NO

GROSS BUILDING AREA:		
FLOOR	NET SQ. FT.	SUBTOTAL
BASEMENT	N/A	
1ST FLOOR	<u>4,989 #</u>	<u>4,989 #</u>
MEZZANINE	N/A	
2ND FLOOR	N/A	
3RD FLOOR	N/A	
4TH FLOOR	N/A	
5TH FLOOR	N/A	
6TH FLOOR	N/A	
TOTAL GROSS SQ. FT.		<u>4,989 #</u>

ALLOWABLE HEIGHT:

CONST. TYPE	ALLOWABLE (TABLE 503)	SPRINKLER INCREASE	SHOWN ON PLANS	CODE REF.
TYPE: IIB	TYPE: IIB		TYPE: IIB	
BLDG HEIGHT (FT)	<u>55</u>	(H+20)= <u>NA</u>	<u>23</u>	
BLDG HEIGHT (ST)	<u>4</u>	(ST+1)= <u>NA</u>	STORIES: <u>01</u>	

ACCESSIBLE PARKING:

LOT AREA	TOTAL # OF SPACES		# OF ACCESSIBLE SPACES		TOTAL # ACCESS. PROVIDED
	REQUIRED	PROVIDED	REGULAR W/ 5' AISLE	VAN W/ 8' AISLE	
SITE	<u>06</u>	<u>08</u>	-	-	-

ALLOWABLE AREA:

PRIMARY OCCUPANCY:
 ASSEMBLY A-1 A-2 A-3 A-4 A-5 BUSINESS EDUCATIONAL
 FACTORY-INDUSTRIAL F-1 F-2
 HIGH-HAZARD H-1 H-2 H-3 H-4 H-5
 INSTITUTIONAL I-1 I-2 I-3 I-4
 I-3 USE CONDITION 1 2 3 4 5
 MERCANTILE RESIDENTIAL R-1 R-2 R-3 R-4
 STORAGE S-1 S-2 HIGH FILED UTILITY / MISCELLANEOUS
 PARKING GARAGE OPEN ENCLOSED REPAIR

SECONDARY OCCUPANCY: RESIDENTIAL R-2 (SLEEPING QUARTERS)
 SPECIAL: 508.2 508.3 508.4 508.5 508.6 508.7 508.8
 MIXED OCCUPANCY: NO YES SEPARATION: 2 HR. EXCEPTION: _____
 NON-SEPARATED MIXED OCCUPANCY (302.3.2)
 SEPARATED MIXED OCCUPANCY (302.3.3)

STORY NO.	USE	(A) ACTUAL BLDG. AREA	(B) TABLE 503 AREA	(C) OPEN SPACE INCRS.	(D) SPRINKLR INCRS. NO.	(E) ALLOW. AREA (UNLIM)	(F) MAX. BLDG. AREA
01	B	1103	23000	12650	NA	35650	106950

OPEN SPACE INCREASE:
 $100((F-25) \times W/30 = 100(289/360-.25) \times 30/30 = 55\%$

PLUMBING FIXTURE REQUIREMENTS:

OCCUPANCY	WATERCLOSETS		URINALS	LAVATORIES		SHOWERS/TUBS	D. FOUNTAINS REG. ADA
	M	F		M	F		
GROUP R-2	01	01	NA	01	01	01	NA

NUMBER & ARRANGEMENT OF EXITS:

FLOOR, ROOM, OR SPACE	MINIMUM # OF EXITS		TRAVEL DISTANCE		ARRANGEMENT MEANS OF EGRESS	
	REQ'D	ACTUAL	ALLOW.	ACTUAL	REQ'D DIST.	ACTUAL DIST.
MAIN LEVEL	02	08	200	76	38	43

EXIT WIDTH

USE GROUP	(A)	(B)	(C)		EXIT WIDTH	
	AREA SQ. FT.	AREA PER OCCUPANT	EGRESS WIDTH PER OCCUPANT	REQ'D WIDTH (A/B)X	ACTUAL WIDTH (MIN.)	
GROUP R-2	2177	200	NA	0.2	NA	2
			STAIR	LEVEL	STR.	LVL.

FIRE PROTECTION REQUIREMENTS:

LIFE SAFETY PLAN SHEET #, IF PROVIDED: LSP1

BUILDING ELEMENT	FIRE SEP. DIST. (FT)	RATING		DETAIL NO. & SHEET NO.	DESIGN NO. FOR RATED ASS.	DESIGN NO. FOR RATED PENET.	DESIGN NO. FOR RATED JOINTS
		REQ'D	PROV.				
STRUCTURAL FRAME (COLS, GIRDERS, TRUSSES)		0	0				
BEARING WALLS							
EXTERIOR							
NORTH	38' STREET	0	0				
EAST	21' STREET	0	0				
WEST	28' PROPERTY LINE	0	0				
SOUTH	29' PROPERTY LINE	0	0				
INTERIOR		0	0				
NONBEARING WALLS & PARTITIONS							
EXTERIOR							
NORTH		0	0				
EAST		0	0				
WEST		0	0				
SOUTH		0	0				
INTERIOR		0	0				
FLOOR CONSTRUCTION (INCL. BEAMS & JOISTS)		0	0				
ROOF CONSTRUCTION (INCL. BEAMS & JOISTS)		0	0				
SHAFTS - EXIT		NA					
SHAFTS - OTHER		NA					
CORRIDOR SEPARATION		0	0				
OCCUPANCY SEPARATION		2	2	2/6/02	U905	PER CODE	PER CODE
PARTY/FIRE WALL		NA					
SMOKE BARRIER		0	0				
TENANT SEPARATION		NA					

LIFE SAFETY SYSTEMS:

EMERGENCY LIGHTING: YES NO
 EXIST SIGNS: YES NO
 FIRE ALARM: YES NO
 SMOKE DETECTION SYSTEMS: YES NO
 PANIC HARDWARE: YES NO

ENERGY SUMMARY:

THE FOLLOWING DATA SHALL BE CONSIDERED MINIMUM AND ANY SPECIAL ATTRIBUTE REQUIRED TO MEET THE ENERGY CODE SHALL ALSO BE PROVIDED. EACH DESIGNER SHALL FURNISH THE REQUIRED PORTIONS OF THE PROJECT INFORMATION FOR THE PLAN DATA SHEET AND SHALL SIGN THE DESIGNER'S STATEMENT FOR THE APPROPRIATE PORTION, AS REQUIRED BY G.S. 143-191.33. IF ENERGY COST BUDGET METHOD, STATE THE ANNUAL ENERGY COST BUDGET VS ALLOWABLE ANNUAL ENERGY COST BUDGET.

THERMAL ENVELOPE

METHOD OF COMPLIANCE:
 PRESCRIPTIVE PERFORMANCE ENERGY COST BUDGET

ROOF/CEILING ASSEMBLY (EACH ASSEMBLY)	U/A502	U/A503
DESCRIPTION OF ASSEMBLY	<u>0.04</u>	<u>0.04</u>
U-VALUE OF TOTAL ASSEMBLY	<u>0.04</u>	<u>0.04</u>
R-VALUE OF INSULATION	<u>NO</u>	<u>NO</u>
SKYLIGHTS IN EACH ASSEMBLY		
U-VALUE OF SKYLIGHT		
TOTAL SQUARE FOOTAGE OF SKYLIGHTS IN EACH ASSEMBLY		

EXTERIOR WALLS (EACH ASSEMBLY)	U/A502 (AS TYPICAL)
DESCRIPTION OF ASSEMBLY	<u>0.04</u>
U-VALUE OF TOTAL ASSEMBLY	<u>R-18</u>
R-VALUE OF INSULATION	<u>YES</u>
OPENINGS (WINDOWS OR DOORS WITH GLAZING)	<u>0.1</u>
U-VALUE OF ASSEMBLY	<u>0.28</u>
SHADING COEFFICIENT	<u>10.5</u>
PROJECTION FACTOR	<u>YES</u>
LOW E REQUIRED, IF APPLICABLE	<u>1.64</u>
DOOR R-VALUES	

WALLS ADJACENT TO UNCONDITIONED SPACE (EACH ASSEMBLY)	U/A506
DESCRIPTION OF ASSEMBLY	<u>0.04</u>
U-VALUE OF TOTAL ASSEMBLY	<u>R-11</u>
R-VALUE OF INSULATION	<u>NO</u>
OPENINGS (WINDOWS OR DOORS WITH GLAZING)	
U-VALUE OF ASSEMBLY	<u>5.56</u>
LOW E REQUIRED, IF APPLICABLE	
DOOR R-VALUES	

WALLS BELOW GRADE (EACH ASSEMBLY)	U/A502
DESCRIPTION OF ASSEMBLY	<u>NA</u>
U-VALUE OF TOTAL ASSEMBLY	
R-VALUE OF INSULATION	

FLOORS OVER UNCONDITIONED SPACE (EACH ASSEMBLY)	U/A502	U/A503
DESCRIPTION OF ASSEMBLY	<u>0.07</u>	<u>0.05</u>
U-VALUE OF TOTAL ASSEMBLY	<u>NONE REQUIRED - R-9 PROVIDED</u>	
R-VALUE OF INSULATION	<u>48H / 24V</u>	<u>48H / 24V</u>
HORIZONTAL/VERTICAL REQUIREMENT	<u>NO</u>	<u>NO</u>
SLAB HEATED		

DESIGNER STATEMENT:
 TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DESIGN OF THIS BUILDING COMPLIES WITH THE THERMAL ENVELOPE REQUIREMENTS OF THE NORTH CAROLINA STATE BUILDING CODE, VOLUME X-ENERGY.

SIGNED: _____
 NAME: KAREN K. ALEXANDER
 TITLE: PRINCIPAL ARCHITECT

SPECIAL APPROVALS:

SPECIAL APPROVAL: (LOCAL JURISDICTION, DOI, SBCC, ICC, ETC.) _____

PROJECT NUMBER
0605



ROWAN COUNTY
 EMS STATION
 NO. 05

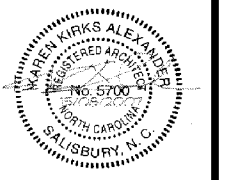
NORTH SHAVER STREET
 SALISBURY, NORTH CAROLINA

APPENDIX B:
 BUILDING
 DATA
 SUMMARY

OWNER APPROVAL _____
 DATE _____

PLAND_18.DWG

PUBLICATION OR REUSE OF THESE DRAWINGS OR ANY DETAILS THEREFROM MUST BE WITH THE WRITTEN CONSENT OF THE ARCHITECT.



DRAWN: JEP DATE: 8 AUG 2007

CHECKED: KKA REVISED:

SHEET NUMBER
101
 OF

STRUCTURAL SYSTEM AND DESIGN LOADS
 DESIGNER STATEMENT:
 SIGNED: SEE STRUCTURAL DRAWINGS
 NAME: R. STERLING SMITH, PE
 TITLE: STRUCTURAL ENGINEER

ELECTRICAL SYSTEM AND EQUIPMENT
 DESIGNER STATEMENT:
 SIGNED: SEE ELECTRICAL DRAWINGS
 NAME: RANDALL W. STURGILL, PE
 TITLE: ELECTRICAL ENGINEER

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
 DESIGNER STATEMENT:
 SIGNED: SEE MECHANICAL DRAWINGS
 NAME: MICHAEL D. BOWERS, PE
 TITLE: MECHANICAL ENGINEER

FOOTNOTES:
 1. DESIGNER STATEMENT MAY BE FURNISHED ON ACTUAL PLANS, WHEN FURNISHED ON PLANS, THIS STATEMENT IS NOT REQUIRED AS PART OF SUMMARY SHEET AND MAY BE REPRODUCED BY THE LEAD DESIGN PROFESSIONAL ON TO THE SUMMARY SHEET.



ROWAN COUNTY
EMS STATION
NO. 85

NORTH SHAVER STREET
SALISBURY, NORTH CAROLINA

APPENDIX B
ACCESSIBILITY
SUMMARY

UL DETAIL
U905

OWNER APPROVAL _____
DATE _____

PUBLICATION OR REUSE OF
THESE DRAWINGS OR ANY
DETAILS THEREFROM MUST
BE WITH THE WRITTEN
CONSENT OF THE ARCHITECT.



DRAWN: JEP DATE: 8 AUG 2001
CHECKED: KKA REVISED:

DESIGN NO. U905
MARCH 17, 2004
BEARING WALL RATING 2 HR.
NONBEARING WALL RATING 2 HR.

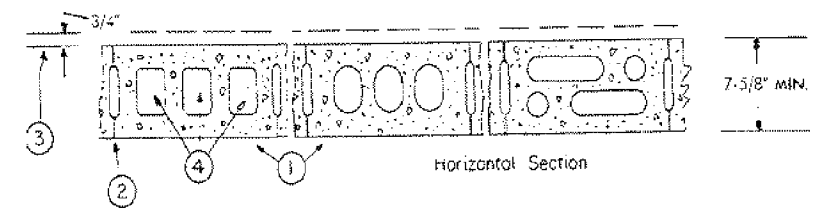
1. CONCRETE BLOCKS* VARIOUS DESIGNS. CLASSIFICATION D-2 (2 HR).
SEE CONCRETE BLOCKS CATEGORY FOR LIST OF ELIGIBLE MANUFACTURERS.

2. MORTAR BLOCKS LAID IN FULL BED OF MORTAR, NOM. 3/8 IN. THICK, OF NOT LESS THAN 2-1/4 AND NOT MORE THAN 3-1/2 PARTS OF CLEAN SHARP SAND TO 1 PART PORTLAND CEMENT (PROPORTIONED BY VOLUME) AND NOT MORE THAN 50 PERCENT HYDRATED LIME (BY CEMENT VOLUME). VERTICAL JOINTS STAGGERED.

3. PORTLAND CEMENT STUCCO OR GYPSUM PLASTER ADD 1/2 HR TO CLASSIFICATION IF USED. WHERE COMBUSTIBLE MEMBERS ARE FRAMED IN WALL, PLASTER OR STUCCO MUST BE APPLIED ON THE FACE OPPOSITE FRAMING TO ACHIEVE A MAX. CLASSIFICATION OF 1-1/2 HR. ATTACHED TO CONCRETE BLOCKS (ITEM 1).

4. LOOSE MASONRY FILL IF ALL CORE SPACES ARE FILLED WITH LOOSE DRY EXPANDED SLAG, EXPANDED CLAY OR SHALE (ROTARY KILN PROCESS), WATER REPELLANT VERMICULITE MASONRY FILL INSULATION, OR SILICONE TREATED PERLITE LOOSE FILL INSULATION ADD 2 HR TO CLASSIFICATION.

5. FOAMED PLASTIC* (OPTIONAL-NOT SHOWN) 1-1/2 IN. THICK MAX. 4 FT WIDE SHEATHING ATTACHED TO CONCRETE BLOCKS (ITEM 1).
THE DON CHEMICAL CO TYPE THERMAX



THIS INFORMATION TAKEN FROM UL ONLINE CERTIFICATIONS DIRECTORY

THIS INFORMATION TAKEN FROM UL ONLINE CERTIFICATIONS DIRECTORY

3
G102
U905 - 2 HOUR RATED WALL ASSEMBLY
UL DETAIL
NO SCALE

-
G102
INFORMATION
UL COPYRIGHT
NO SCALE






BUILDING ACCESSIBILITY SUMMARY:

SECTION	RESPONSIBLE DESIGNER	DESCRIPTION	APPLICABLE/ NON-APPLICABLE (A OR NA)	IN COMPLIANCE (YES OR NO)	NOTES
1.2	ARCHITECT	OCCUPANCY CLASSIFICATION	A	YES	
1.2.11		EXEMPTIONS	NA		
3	CIVIL	SITE ACCESS	A	YES	
4	CIVIL	PARKING LOTS & DECKS	A	YES	
5	CIVIL	RAMPS	A	YES	
6	ARCHITECT	ENTRANCE/MEANS OF EGRESS	A	YES	
6.2	ARCHITECT	NO. OF ENTRANCES	A	YES	
6.3.2.1		AREA OF RESCUE ASSIST.	NA		
6.3.2.3.1		METHOD OF RESCUE ASSIST.	NA		
6.3.2.3.1		NO. OF A.R.A.	NA		
6.3.2.5.4		2-WAY COMMUNICATION	NA		
6.3.3		EXEMPTION TO A.R.A.	NA		
7	ARCHITECT	DOORS, DOORWAY, HRDWR.	A	YES	
8	ARCHITECT	STAIRS & HANDRAIL	A	YES	
9	ARCHITECT	GROUND/FLOOR SURFACES	A	YES	
10	ARCHITECT	PROTRUDING OBJECTS	A	YES	
11	ARCHITECT	TOILETS/PLUMBING FIXT.	A	YES	
12	ARCHITECT	BATH & SHOWER ROOMS	A	YES	
13	ARCHITECT	DRINKING FOUNTAINS	A	YES	
14		TELEPHONES	NA		
15		ELEVATORS	NA		
16		ATMS / OPERATION MECH.	NA		
17	ELECTRICAL	ALARMS	A	YES	
18	ARCHITECT	SIGNAGE	A	YES	
20	ARCHITECT	STORAGE	A	YES	
21		BUILT-IN FACILITIES	NA		
22		ASSEMBLY SEATING	NA		
23		RESTAURANT & CAFETERIAS	NA		
24		TRANSPORTATION FACILITIES	NA		
25		LIBRARIES	NA		
26		BUSINESS / MERCANTILE	NA		
27		DRESSING/FITTING ROOMS	NA		
28		MEDICAL CARE	NA		
29		TRANSIENT LODGING	NA		
30		MULTI-FAMILY HOUSING	NA		
31		COURTHOUSE & PRISONS	NA		
32		CHILDREN'S ENVIRONMENT	NA		

I HEREBY CERTIFY THAT THE ACCESSIBILITY CODE SUMMARY COMPLETED ABOVE IS ACCURATE FOR THE TYPE OF BUILDING AND OCCUPANCY INTENDED FOR THIS PROJECT AND THAT THE PLANS CONTAINED HEREIN AND SEALED BY THE ARCHITECT ARE COMPLETE AND COMPLY WITH APPLICABLE STATE AND LOCAL ACCESSIBILITY REGULATIONS.

SIGNED: [Signature] DATE: 15 AUG 2001
NAME: KAREN K. ALEXANDER, AIA
TITLE: PRINCIPAL ARCHITECT

DRAWING KEY

-  RESIDENTIAL R-2 OCCUPANCY (SLEEPING QUARTERS)
-  PATH OF EGRESS
-  ACCESSORY BUSINESS OCCUPANCY
-  ACCESSORY STORAGE OCCUPANCY (APPARATUS BAY)
-  2-HOUR FIRE RATED ASSEMBLY, DETAIL AT X/XXXX

PROJECT NUMBER
0605



ROWAN COUNTY
EMS STATION
NO. 85

NORTH SHAVER STREET
SALISBURY, NORTH CAROLINA

FLOOR PLAN:
LIFE SAFETY

OWNER APPROVAL _____ DATE _____
PLAND_18.DCS

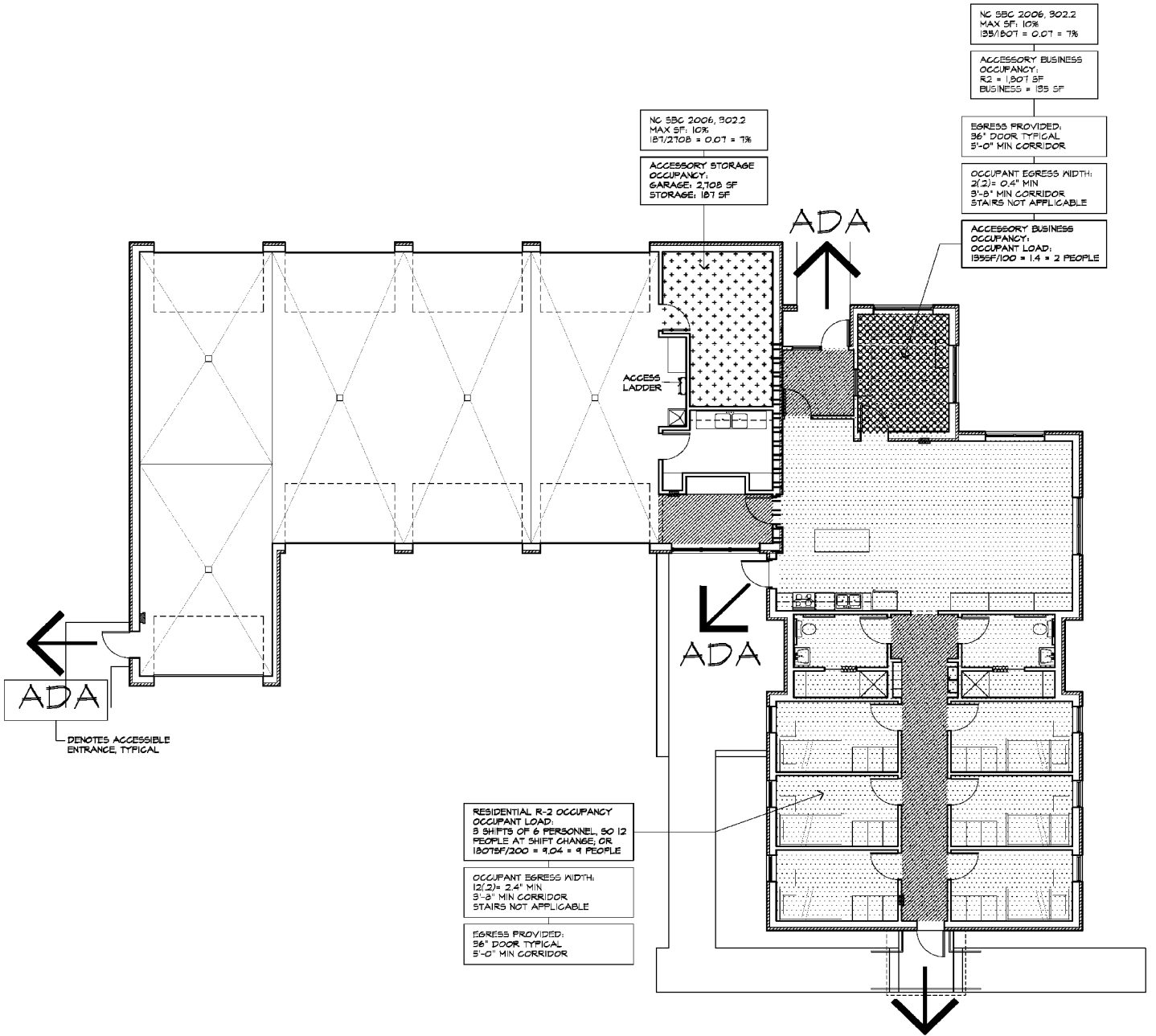
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DRAWN: JEP DATE: 8 AUG 2001

CHECKED: KKA REVISED:

SHEET NUMBER
LSP1
OF



1 LIFE SAFETY FLOOR PLAN
LSP1 SCALE: 1/8"=1'-0"

S:\PROJ\ROWAN\ENG\DWG\CDS\0605\LSP1.AEC