

### BUILDING CODE ANALYSIS

THIS ANALYSIS IS MADE UTILIZING THE INTERNATIONAL BUILDING CODE, 2015 EDITION

EXISTING FIRE STATION RENOVATIONS

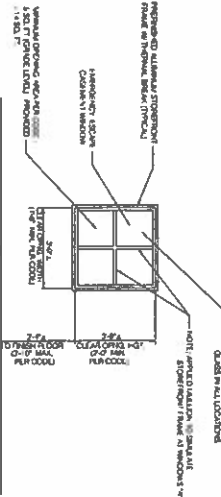
DOVESVILLE STATION

DARLINGTON COUNTY, I.C.

PROJECT	SECTION	REMARKS
1. OCCUPANCY CLASSIFICATION	COMB. 1	
2. PROPOSED USE OF THE BUILDING	COMB. 1	
3. BUILDING HEIGHT	3 STORIES	
4. BUILDING TYPE	RENOVATION	
5. FLOOR AREA	27,000 SQ. FT.	
6. HORIZONTAL SEPARATION DISTANCE	27' 0" TO 111' 0"	
7. PERCENT OF EXTERIOR WALLS	100%	
8. ALLOWABLE MASS/HEIGHT RATIO	1.5	
9. ALLOWABLE MASS/HEIGHT RATIO	1.5	
10. SPECIAL OCCUPANCY REQUIREMENTS	NONE	
11. CONSTRUCTION REQUIREMENTS	TYPE III	
12. EXTERIOR WALLS	TYPE III	
13. EXTERIOR WALLS	TYPE III	
14. EXTERIOR WALLS	TYPE III	
15. EXTERIOR WALLS	TYPE III	
16. EXTERIOR WALLS	TYPE III	
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27. EXTERIOR WALLS	TYPE III	
28. EXTERIOR WALLS	TYPE III	
29. EXTERIOR WALLS	TYPE III	
30. EXTERIOR WALLS	TYPE III	

**NOTE:** REQUIRED EXGRESS WIDTH IS BASED ON A MEANS OF EXGRESS WIDTH OF 20' PER OCCUPANT PER SECTION HEIGHT. TOTAL EXGRESS CAPACITY PROVIDED REFER TO PLANS (1)-(4) AND OCCUPANTS

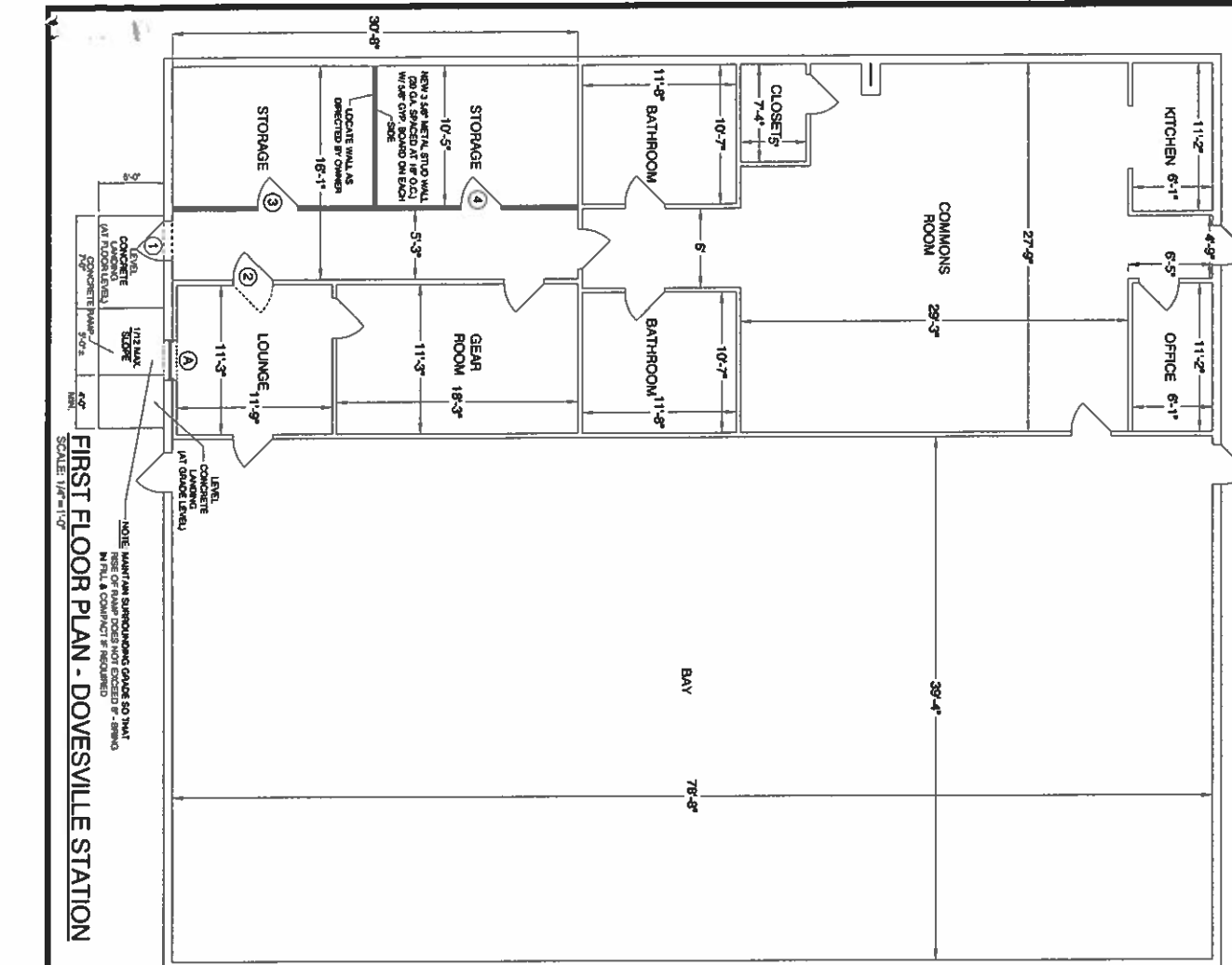
**NOTE:** A SMOKELESS SYSTEM IS PLANNED FOR THIS BUILDING IN THE NEAR FUTURE



**WINDOW SCHEDULE**  
SCALE: 1/4" = 1'-0"



**DOOR SCHEDULE**  
SCALE: 1/4" = 1'-0"



**FIRST FLOOR PLAN - DOVESVILLE STATION**  
SCALE: 1/4" = 1'-0"

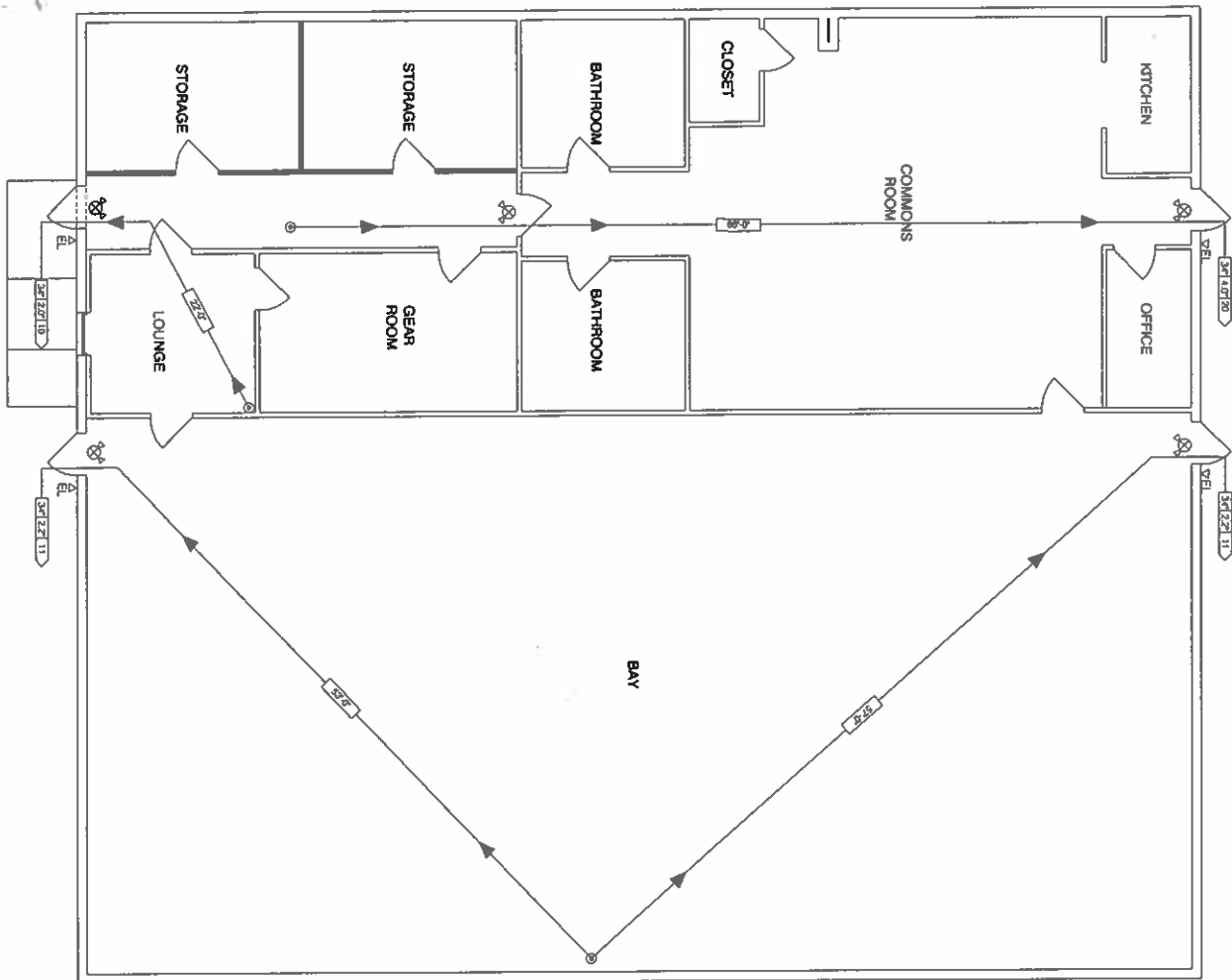
**NOTE:** MAINTAIN SURROUNDING GRADE SO THAT RISE OF RAMP DOES NOT EXCEED 8" - 5/8" MAX

REVISED 8/24/18

EXISTING FIRE STATION RENOVATIONS  
CENTER ROAD, LAMAR & DOVESVILLE  
FOR  
DARLINGTON COUNTY FIRE DISTRICT

**DENNIS E. DAVIS ARCHITECT**  
1181 FLORISS ROAD  
HARTSVILLE, SOUTH CAROLINA 29656 PH. (843) 307-0655

COMM. NO. 1810  
DATE 8/14/18  
SHEET A1  
OF 1



**LIFE SAFETY PLAN - DOVESVILLE STATION**  
 SCALE: 1/4" = 1'-0"

**LIFE SAFETY LEGEND**

- EXIT 10, 11, 12 — NUMBER OF PERSONS EXITING (APPROXIMATE) EXIT CAPACITY (WHEN PROVIDED BY CODES)
- FE — FLOOR ELEVATION (FEET) (AS SHOWN ON PLANS)
- PAVED DRIVEWAY SURFACE AS DIRECTED BY FIRE DEPARTMENT
- EXIT LIGHTING/EMERGENCY LIGHT COMMUNICATION LIGHT
- MANUAU TRAVEL DISTANCE DESIGNED
- EMERGENCY LIGHT SYSTEM WITH BATTERY BACKUP SYSTEM

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 CENTER ROAD, LAMAR & DOVESVILLE  
 FOR  
 DARLINGTON COUNTY FIRE DISTRICT

**DENNIS E. DAVIS ARCHITECT**  
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