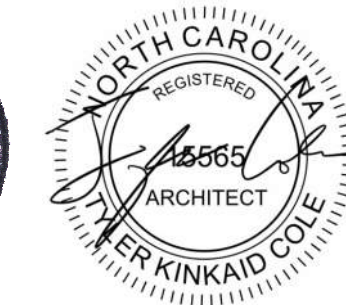
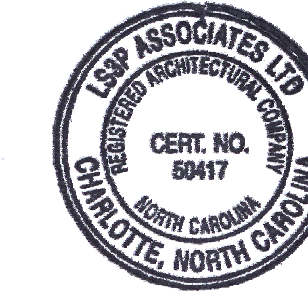


# DUKE ENERGY DUNN OPERATIONS CENTER

1269 Jonesboro Rd  
Harnett County, NC 28334

ISSUED FOR CONSTRUCTION  
05.24.2023  
9101-223870



2023.05.24



## CIVIL LANDSCAPE

McADAMS  
2905 Meridian Parkway,  
Durham, NC 27713  
tel: 919.287.0892  
email: finch@mcadamsco.com

## STRUCTURAL

MMSA INC  
30 Patewood Dr. Suite 100  
Greenville, SC 29615  
tel: 864.331.1201  
fax: 864.331.1201  
email: msimpson@mmsainc.com

## ARCHITECTURAL

LS3P ASSOCIATES LTD.  
227 W Trade St. Ste 700  
Charlotte, NC 28202  
tel: 704.333.6686  
fax: 704.333.2926  
email: johnkincheloe@ls3p.com

## FIRE PROTECTION PLUMBING MECHANICAL ELECTRICAL

BARRETT WOODYARD ASSOCIATES  
420 Minuet Ln  
Charlotte, NC 28208  
tel: 704.357.9333  
email: slowery@barrettwoodyard.com

## SECURITY

PAYNTER  
3434 Edwards Mill Rd  
suite 112-345  
Raleigh, NC 27612  
tel: 919.995.0462  
email:  
bpaynter@paynterconsulting.com



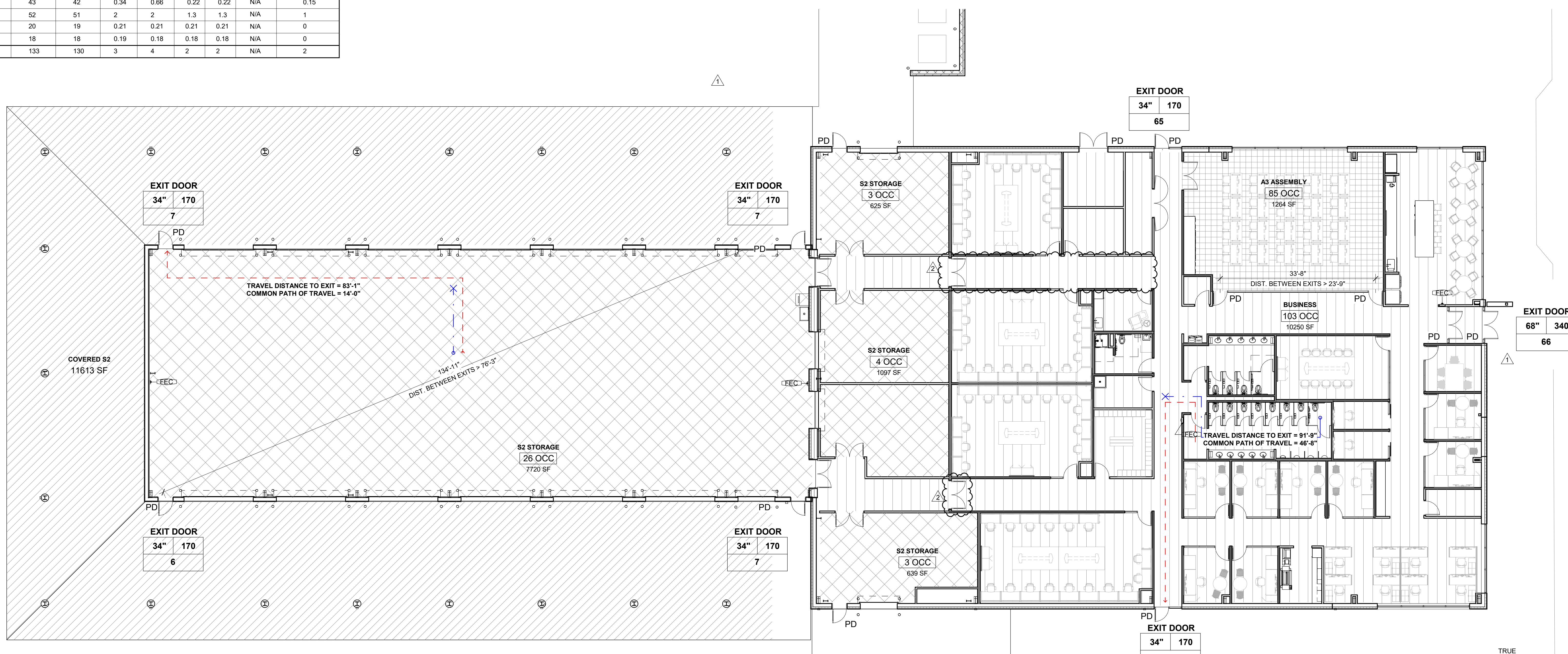
LIFE SAFETY AREA OCCUPANCY SCHEDULE

WT	AREA	AREA PER OCCUPANT	OCCUPANCY LOAD
A3 ASSEMBLY	1264 SF	15 SF	85
BUSINESS	10250 SF	100 SF	103
COVERED S2	11613 SF	300 SF	39
S2 STORAGE	10080 SF	300 SF	36
	33207 SF		263

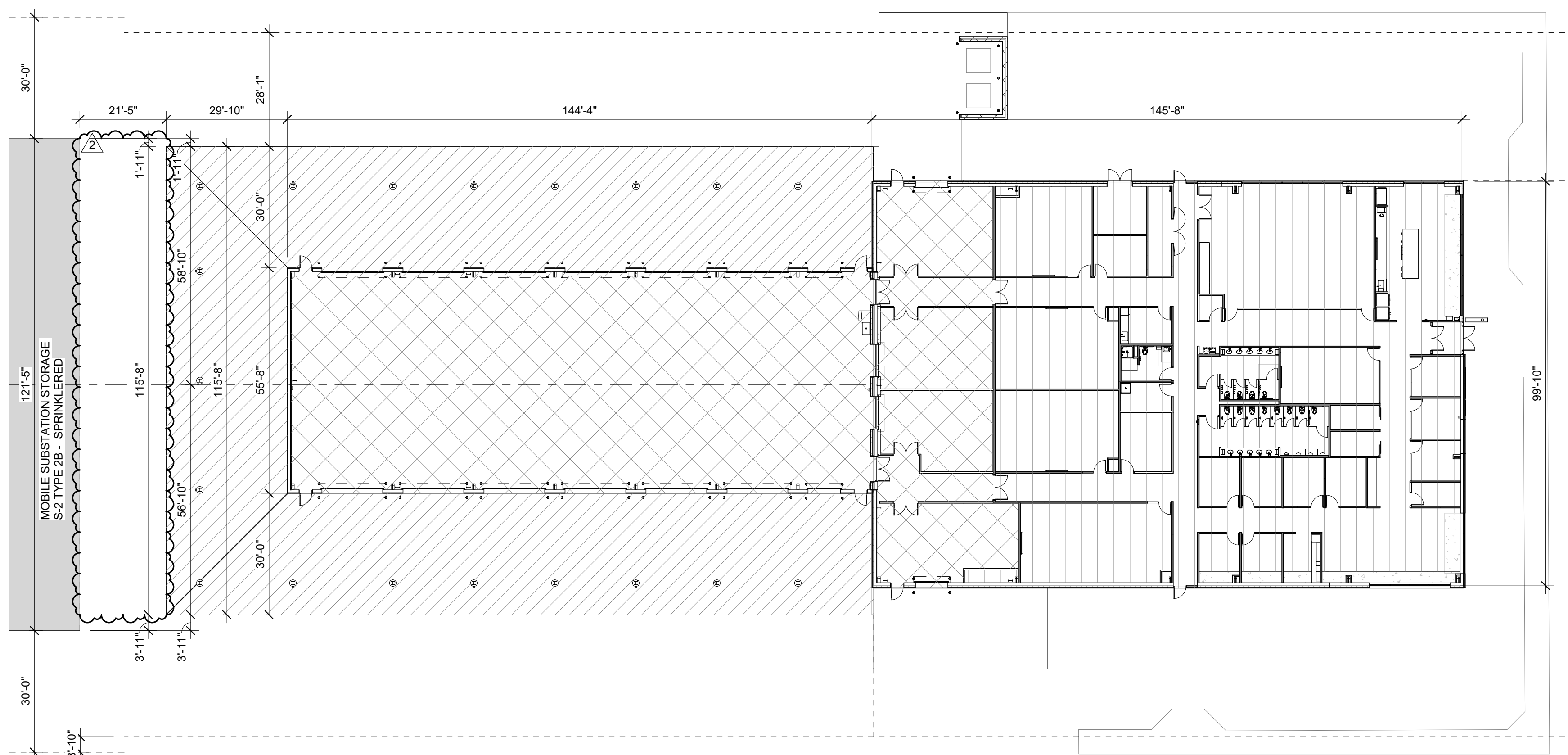
PLUMBING FIXTURES REQUIRED BY OCCUPANCY TYPE

PLUMBING OCCUPANCY KEY	OCCUPANTS	MALE OCCUPANTS		FEMALE OCCUPANTS		WATER CLOSETS		LAVATORIES		BATHING	DRINKING FOUNTAINS
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE		
A3 ASSEMBLY	85	43	42	0.34	0.66	0.22	0.22	N/A	0.15		
BUSINESS	103	52	51	2	2	1.3	1.3	N/A	1		
COVERED S2	39	20	19	0.21	0.21	0.21	0.21	N/A	0		
S2 STORAGE	36	18	18	0.19	0.18	0.18	0.18	N/A	0		
TOTALS	263	133	130	3	4	2	2	N/A	2		

- A3 ASSEMBLY
- BUSINESS
- COVERED S2
- S2 STORAGE



D1 1ST FLOOR LIFE SAFETY PLAN  
3/32" = 1'-0"



A1 GROSS BUILDING AREA PLAN  
3/64" = 1'-0"

CODE COMPLIANCE LEGEND

- DISTANCE - EGRESS PATH
- DISTANCE - COMMON PATH OF TRAVEL
- DISTANCE - BETWEEN FIRE EXTINGUISHERS
- 19'-7" PATH DISTANCE
- PATH NUMBER
- PATH
- ROOM NAME**
- 1 OCC → OCCUPANCY LOAD
- 150 SF → ROOM AREA
- OCC Type / SF per OCC → OCCUPANCY LOAD FACTOR AND METHOD
- OCC Type → OCCUPANCY GROUP
- EXIT DOOR**
- 35" 175 → EXIT CAPACITY (DOOR EGRESS WIDTH / 2)
- 100 → ANTICIPATED LOAD
- 100 → EGRESS WIDTH
- EXIT STAIR**
- 48" 160 → EXIT CAPACITY (STAIR EGRESS WIDTH / 30)
- 100 → ANTICIPATED LOAD
- 100 → EGRESS WIDTH
- HO → HOLD OPEN
- PD → PANIC DEVICE
- FEC → FIRE EXTINGUISHER CABINET WITH FIRE EXTINGUISHER
- E → EXIT SIGN

PARTITION LEGEND

- 1. ALL INTERIOR METAL STUD PARTITIONS TO BE TYPE A3SX U.N.O.
  - NON-RATED PARTITION W/O SOUND BATT INSULATION. SEE PARTITION SCHEDULE
  - NON-RATED PARTITION WITH SOUND BATT INSULATION. SEE PARTITION SCHEDULE
- NOTE: SEE SHEET A-003 FOR CONSTRUCTION OF PARTITION TYPES

LIFE SAFETY ROOM OCCUPANCY KEY

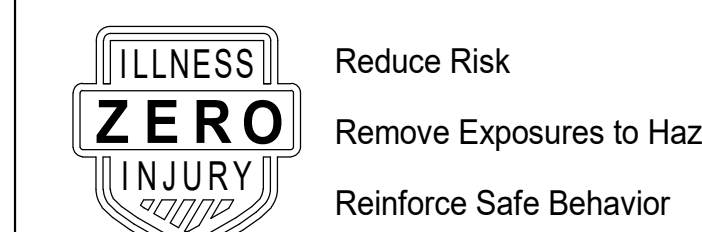
Occupancy Type	Area per Occupant
Assembly - Concentrated	7 SF
Assembly - Standing Space	5 SF
assembly - Unconcentrated	15 SF
Business	100 SF
Courtrrooms	40 SF
Dormitories	50 SF
Educational - Classroom	20 SF
Educational - Vocational	50 SF
Exercise Rooms	50 SF
Institutional - Inpatient	240 SF
Institutional - Outpatient	100 SF
Institutional - Sleeping	120 SF
Kitchens - Commercial	200 SF
Library - Reading	50 SF
Library - Stack	100 SF
Locker Rooms	50 SF
Mechanical Rooms	300 SF
Parking Garages	200 SF
Residential	200 SF
Stages and Platforms	15 SF
Storage Areas	300 SF

DRAWING NO. CFD-####-G-0100-41CC2B



MAILING ADDRESS:  
P.O. BOX 1007  
CHARLOTTE, NC 28201

Safety Expectations:



SEAL 05.24.2023

DUNN OPERATIONS CENTER

1269 Jonesboro Rd.  
Harnett County, NC 28334

OPERATIONS BUILDING

MARK	DATE	DRN BY	REVISION	PERMIT COMMENTS	CLIENT CHANGES	ISSUED FOR CONSTRUCTION
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PROJECT NO: 9101-223870

DRAWING NUMBER

CFD-####-G-0100-41CC2B

ELECTRONIC FILE NAME:

DRAWN BY: Author

CHK'D BY: Checker DATE: 05.24.2023

E-MAIL: JOHNKINCHELOE@LS3P.COM

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SHEET TITLE:  
**LIFE SAFETY PLAN**

SHEET NO.

**G-002**

ISSUED FOR CONSTRUCTION