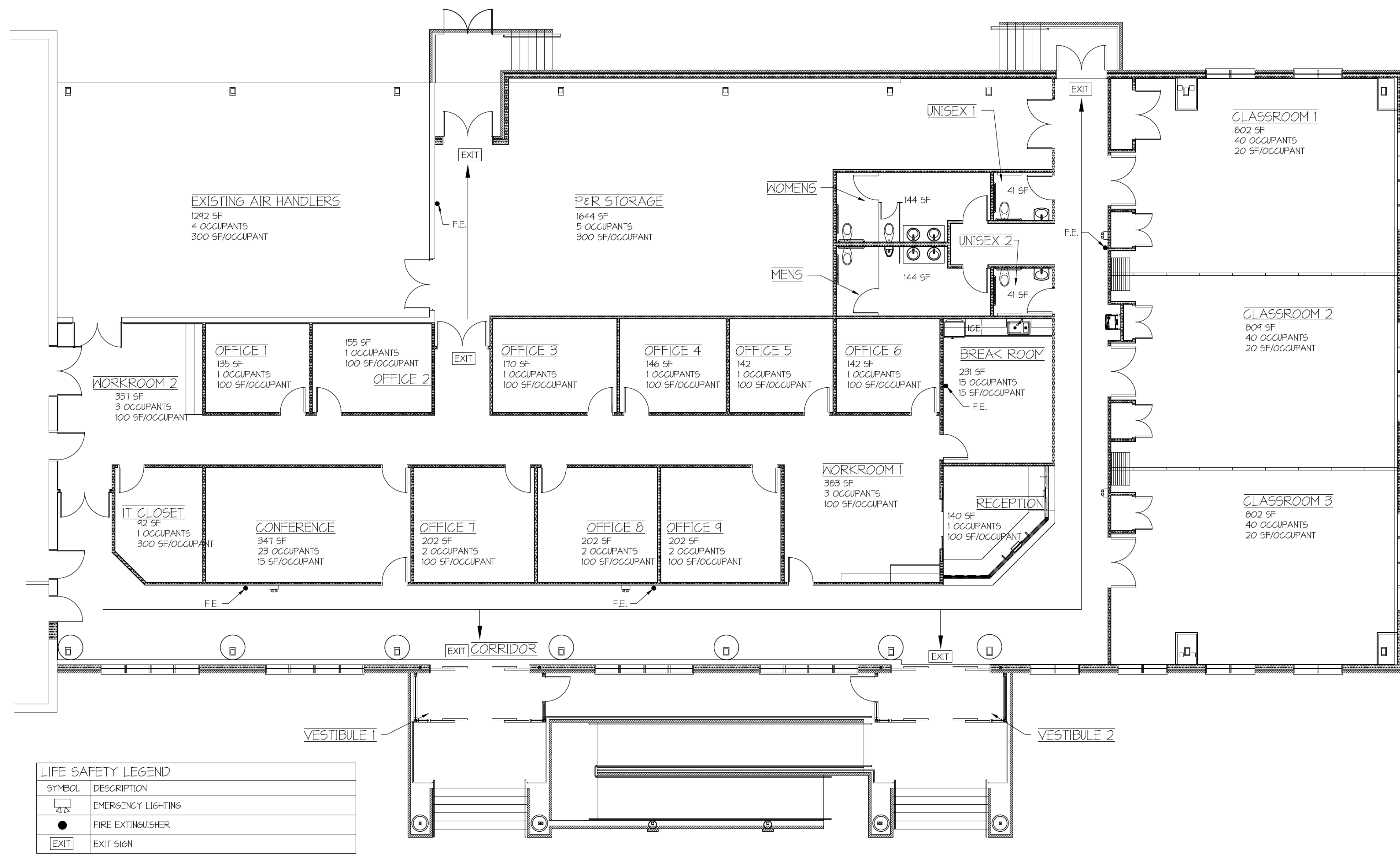


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LIFE SAFETY PLAN - PARKS AND RECREATION

SCALE: 1/8" = 1'-0"

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ENGINEER NAME/SEAL:



ARCHITECT NAME/SEAL:



PROJECT TITLE:
AUGUSTA COUNTY
GOVERNMENT CENTER
RENOVATIONS

CLIENTS INFO:
COUNTY OF AUGUSTA
GOVERNMENT CENTER
18 GOVERNMENT CENTER LANE
VERONA, VIRGINIA 24482

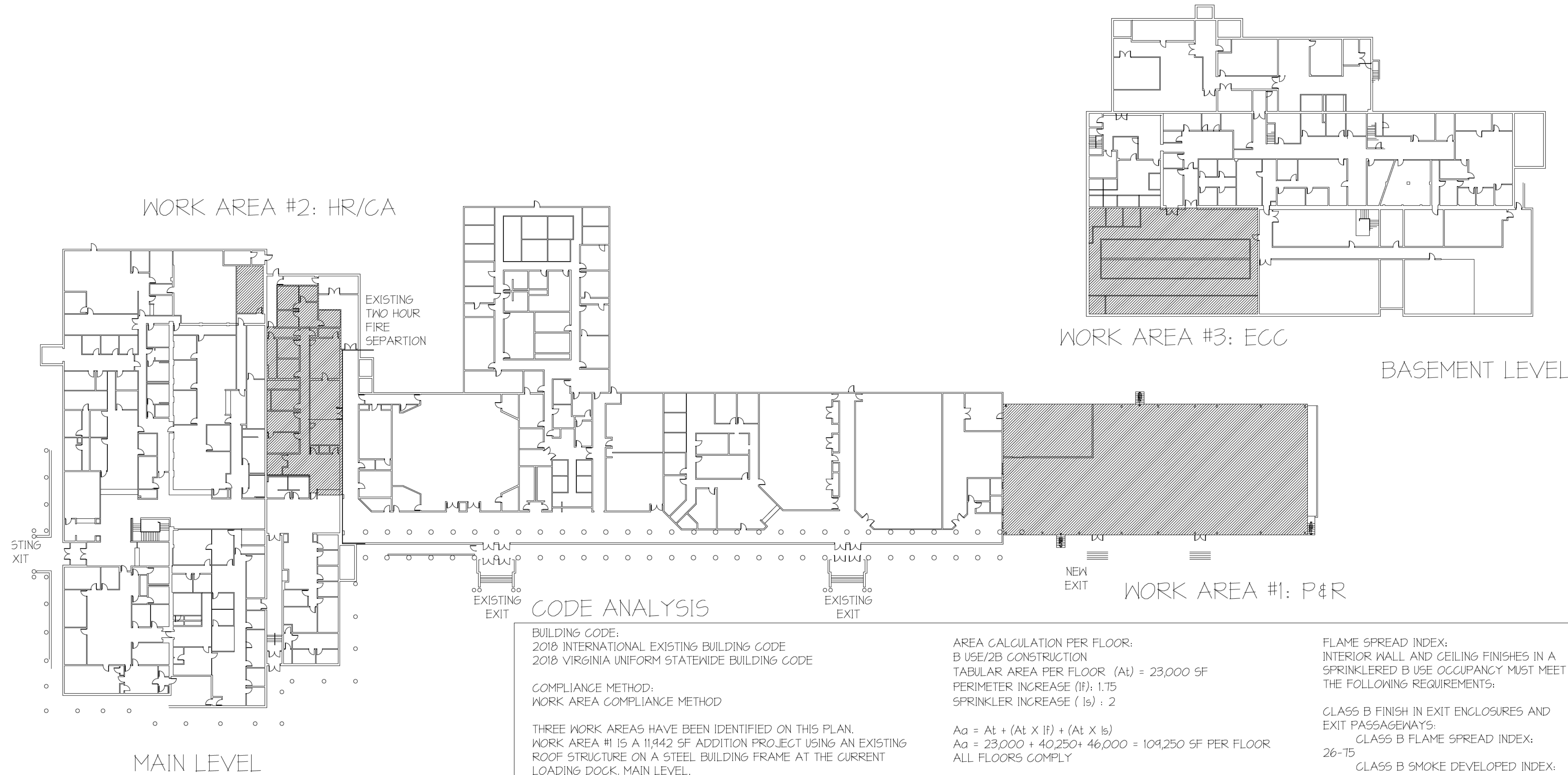
NO.	REVISION/ISSUE	DATE

JOB NUMBER:	21051
DATE:	27 SEPTEMBER 2022
DRAWN BY:	AMJ/PZG
APPROVED BY:	PZG

DRAWING DESCRIPTION:
LIFE SAFETY PLAN
PARKS AND RECREATION

DRAWING NUMBER:
T1.3

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CODE ANALYSIS

BUILDING CODE:
 2018 INTERNATIONAL EXISTING BUILDING CODE
 2018 VIRGINIA UNIFORM STATEWIDE BUILDING CODE

COMPLIANCE METHOD:
 WORK AREA COMPLIANCE METHOD

THREE WORK AREAS HAVE BEEN IDENTIFIED ON THIS PLAN.
 WORK AREA #1 IS A 11,942 SF ADDITION PROJECT USING AN EXISTING ROOF STRUCTURE ON A STEEL BUILDING FRAME AT THE CURRENT LOADING DOCK, MAIN LEVEL.
 WORK AREA #2 IS A 4,226 S.F. ALTERATION LEVEL 2 IN EXISTING AREA ON THE MAIN LEVEL.
 WORK AREA #3 IS A 5,171 S.F. ALTERATION LEVEL 2 IN EXISTING AREA ON THE BASEMENT LEVEL.

USE GROUP:
 EXISTING USE GROUP: B
 PROPOSED USE GROUP: B

CONSTRUCTION TYPE:
 EXISTING: 2B
 PROPOSED: 2B

EXISTING AREA
 BASEMENT LEVEL: 32,750 SF
 FIRST FLOOR, FIRE AREA 1: 36,159 SF
 FIRST FLOOR, FIRE AREA 2: 38,747 SF
 SECOND FLOOR: 3,208 SF
 TOTAL SF: 110,864 SF

PROPOSED AREA
 BASEMENT LEVEL 32,750 SF
 FIRST FLOOR: 86,848 SF
 SECOND FLOOR: 3,208 SF
 TOTAL SF: 122,806 SF

AREA CALCULATION PER FLOOR:
 B USE/2B CONSTRUCTION
 TABULAR AREA PER FLOOR (At) = 23,000 SF
 PERIMETER INCREASE (If): 1.75
 SPRINKLER INCREASE (Is) : 2

$A_a = A_t + (A_t \times If) + (A_t \times Is)$
 $A_a = 23,000 + 40,250 + 46,000 = 109,250$ SF PER FLOOR
 ALL FLOORS COMPLY

ALLOWABLE BUILDING HEIGHT: 55 FEET (UNMODIFIED)
 ACTUAL BUILDING HEIGHT (BUILDING COMPLIES)

ALLOWABLE STORIES: 3 (UNMODIFIED)
 ACTUAL STORIES 2 + BASEMENT (BUILDING COMPLIES)

FIRE RATINGS FOR 2B CONSTRUCTION
 PRIMARY STRUCTURAL FRAME: 0
 BEARING WALLS, EXTERIOR: 0
 BEARING WALLS, INTERIOR: 0
 NON BEARING WALLS AND PARTITIONS: 0
 FLOOR CONSTRUCTION: 0
 ROOF CONSTRUCTION: 0

FIRE PROTECTION SYSTEMS:
 SPRINKLER THROUGHOUT BUILDING

OCCUPANCY:
 B USE, 100 GROSS SF PER OCCUPANT
 TOTAL SF: 122,806
 TOTAL OCCUPANT LOAD: 1,228

FLAME SPREAD INDEX:
 INTERIOR WALL AND CEILING FINISHES IN A SPRINKLERED B USE OCCUPANCY MUST MEET THE FOLLOWING REQUIREMENTS:

GLASS B FINISH IN EXIT ENCLOSURES AND EXIT PASSAGEWAYS:
 CLASS B FLAME SPREAD INDEX: 26-75
 CLASS B SMOKE DEVELOPED INDEX: 0-450

CLASS C IN CORRIDORS, ROOMS AND ENCLOSED SPACES:
 CLASS C FLAME SPREAD INDEX: 76-200
 CLASS C SMOKE DEVELOPED INDEX: 0-450

CORRIDOR FIRE RESISTANCE:
 THE CORRIDOR FIRE RESISTANCE RATING REQUIRED FOR A B USE GROUP BUILDING WITH GREATER THAN 30 OCCUPANTS IS 0 HR FOR SPRINKLERED BUILDINGS. THIS BUILDING IS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM.

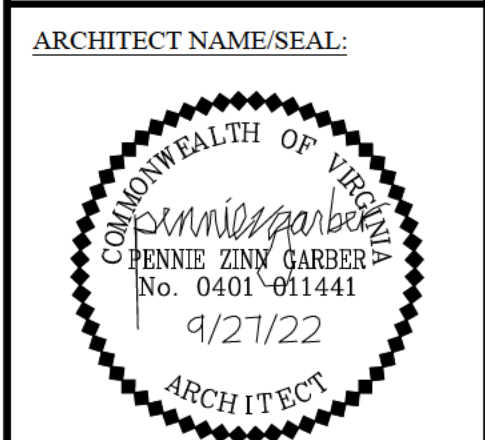
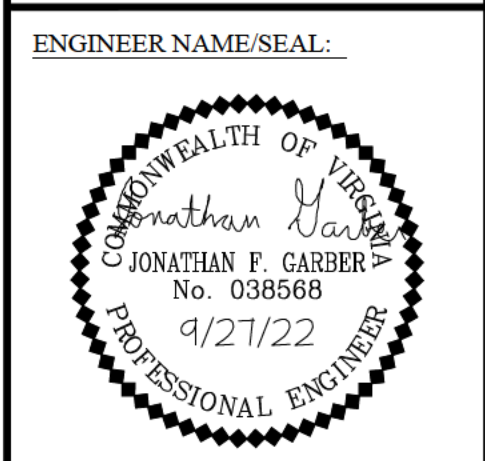
EXIT ACCESS TRAVEL DISTANCE:
 THE MAXIMUM EXIT ACCESS TRAVEL DISTANCE ALLOWABLE IN A B USE GROUP BUILDING IS 300 FEET WHEN THE BUILDING IS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM. BUILDING COMPLIES.

BUILDING ANALYSIS WITH WORK AREAS

SCALE: 1/32" = 1'-0"



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PROJECT TITLE:
 AUGUSTA COUNTY GOVERNMENT CENTER RENOVATIONS
CLIENTS INFO:
 COUNTY OF AUGUSTA GOVERNMENT CENTER LANE, VERONA, VIRGINIA 24482

NO.	REVISION/ISSUE	DATE

JOB NUMBER: 21051

DATE: 27 SEPTEMBER 2022

DRAWN BY: AMJ/PZG

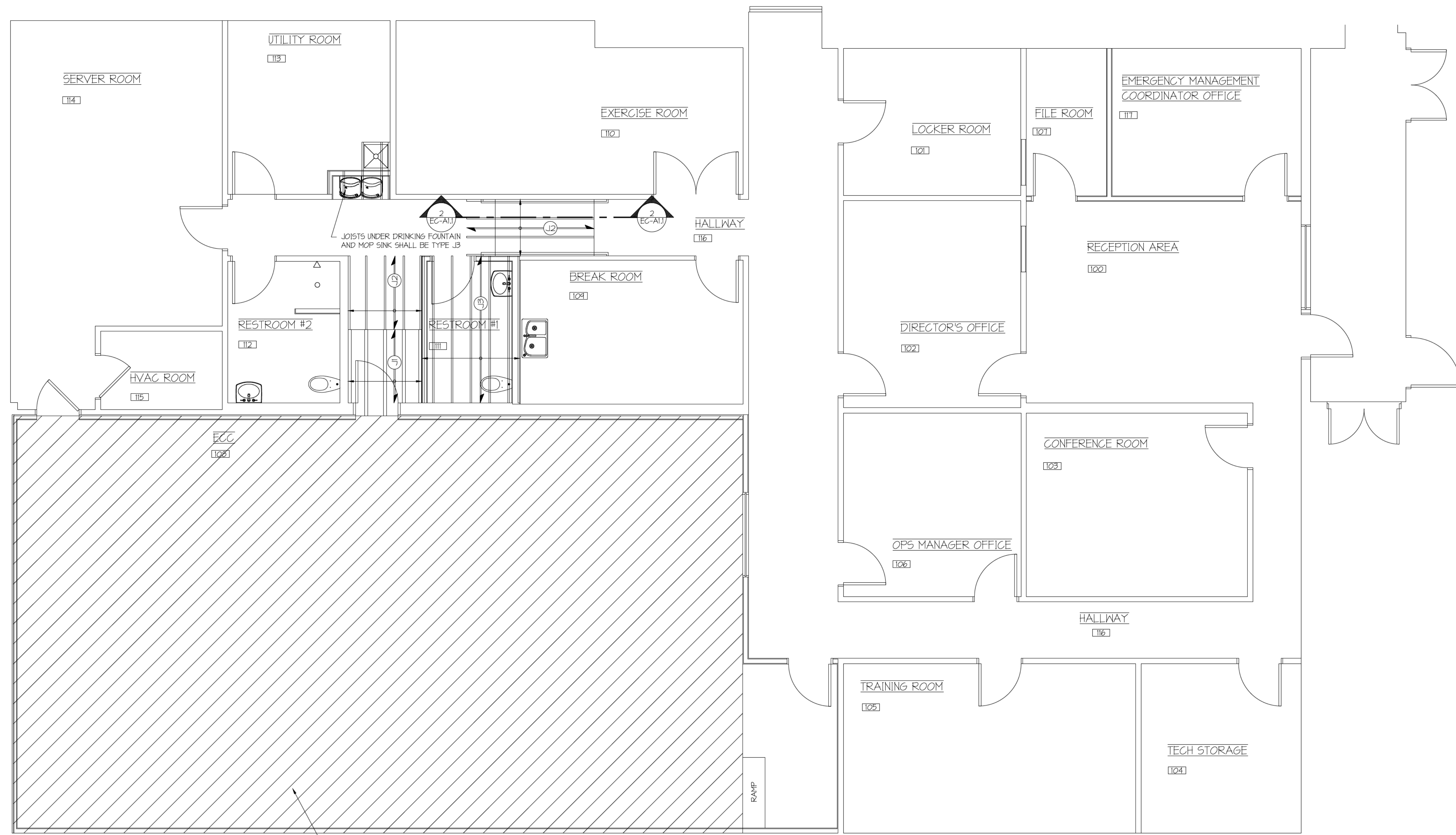
APPROVED BY: PZG

DRAWING DESCRIPTION:
 BUILDING ANALYSIS WITH WORK AREAS

DRAWING NUMBER:

T1.2

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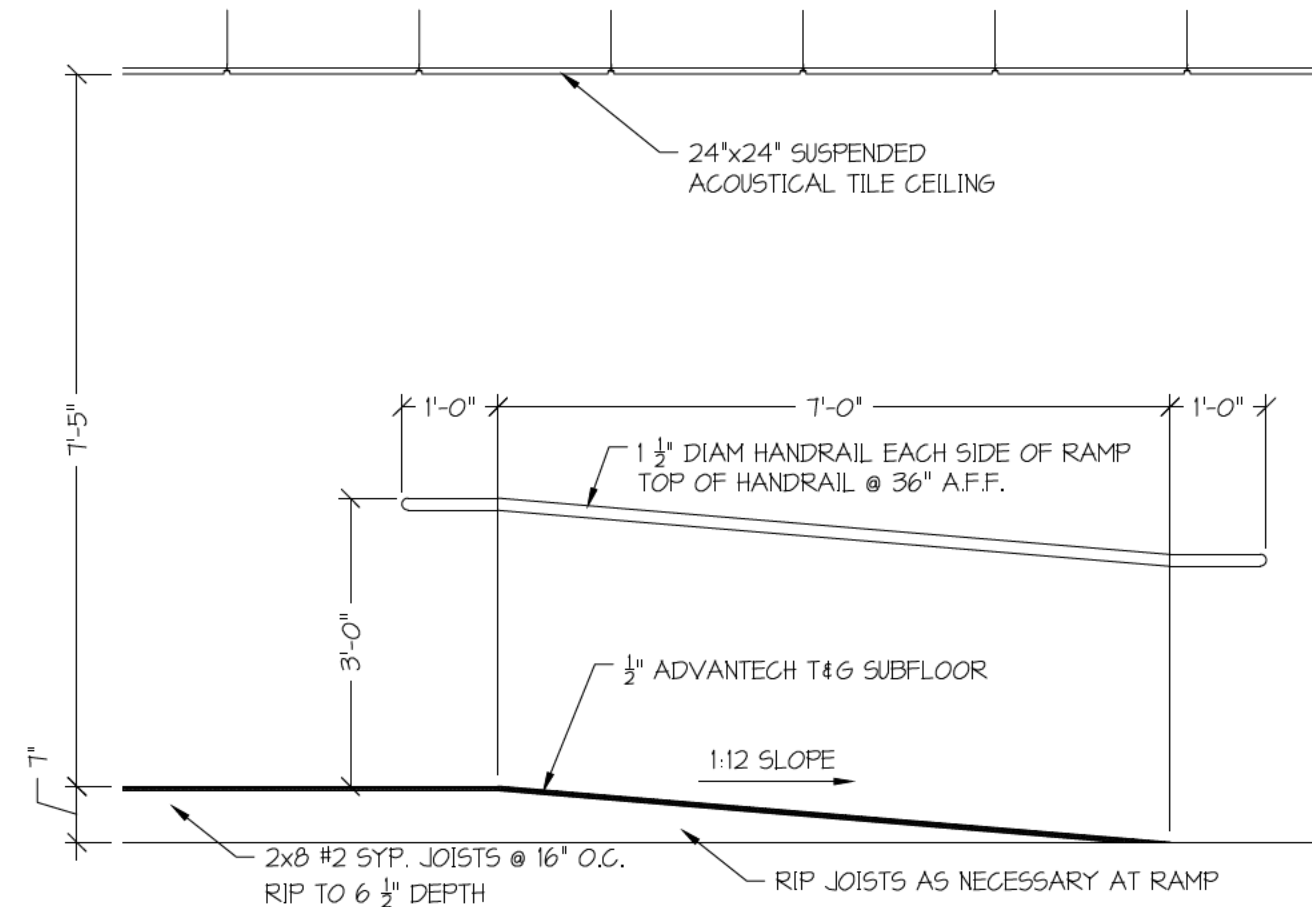
SHADED AREA SHALL BE 40MM EGO SERIES NETFLOR RAISED FLOORING SYSTEM (MODEL# CA400R) INSTALLED BY XYBIX W/ RAMP ACCESSORY IN SIZE AND LOCATION SHOWN

FLOOR FRAMING PLAN

SCALE: 1/4" = 1'-0"

1
EC-A11

JOIST SCHEDULE			
NO.	SIZE	MATERIAL	NOTES
J1	1x3 #2 SYP. SLEEPERS @ 16" O.C.	CONVENTIONAL	3/8" SUBFLOOR ABOVE SLEEPERS, LAY SLEEPERS ON SIDE
J2	2x8 #2 SYP. JOISTS @ 16" O.C.	CONVENTIONAL	RIP TO 6 1/2" DEPTH, 1/2" SUBFLOOR ABOVE NEW JOISTS, RIP AS NECESSARY AT RAMP PORTION OF JOIST
J3	P.T. 2x8 #2 SYP. JOISTS @ 16" O.C.	P.T. CONVENTIONAL	RIP TO 6 1/2" DEPTH, 1/2" SUBFLOOR ABOVE NEW JOISTS



SECTION AT RAMP

SCALE: 1/2" = 1'-0"

2
EC-A11

LINEAGE
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DRAWN BY: AMJ

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DRAWING DESCRIPTION:

FLOOR FRAMING PLAN

DRAWING NUMBER:

EC-A1.1

