Name of Project: _	USPS Spout Springs Interior Upfit			
Address:	H M Cagle Drive, Cameron, NC (Johns	sonville Township)	Zip Code : 28326	
Proposed Use:	Carrier Annex			
Owner or Authoriz	ed Agent: Beth B, Walker, AIA	Phone # : 252-636-8778	E-Mail: beth@wgarc.com	
Owned By:	City/County	X Private	State	
Code Enforcement	Jurisdiction: City	X County	Harnett County, NC State	

DESIGNER	FIRM	NAME	LICENSE#	TELEPHONE #	E-Mail
Architectural	The Walker Group Architecture, Inc.	Beth B. Walker	#8419	252-636-8778	beth@wgarc.com
Civil	-			<u>-</u>	
Electrical	McKnight, Smith, Ward, Griffin Engineers	Greg Mcdowell	_	704-527-2112	cchampion@mswg.com
Fire Alarm	-	-	-		
Plumbing	McKnight, Smith, Ward, Griffin Engineers	Greg Mcdowell		704-527-2112	cchampion@mswg.com
Mechanical	McKnight, Smith, Ward, Griffin Engineers	Greg Mcdowell		704-527-2112	cchampion@mswg.com
Sprinkler-Stan	dpipe	-	-	-	
Structural	NRW Engineering	KevIn Roomsburg		757-474-0612	kmr@nrwengineering.cor
Retaining Wa	lls > 5' High			_	_
Other	<u>-</u>	=	-	-	

CONSTRUCTE	D	_ ORIGINA	L USE	RENOVATED _	CURR	ENT USE
BUILDING DAT	ГА					
Construction Ty	pe:	☐ I-A	□ II-A	□ III-A	□ıv	□ v-A
		I-B	II-B	∐ III-B		X V-B
	Mixed Cons	struction:	X NO	YES	Types	
Sprinklers:	X No	Partial	Yes	NFPA 13	NFPA 13R	NFPA 13D
Standpipes:	X No	Yes		Class I II	III	Wet Dr
Fire District:	X No	Yes		Flo	ood Hazard Area :	X No Ye
Building Height	: Feet 18'-2"	_ Number of	Stories 1	-		
Mezzanine:	X No [	Yes				
Gross Building A	Area:					
FLOOR		EXISTING(SQ.	FT.)	NEW (SQ.FT.)		SUBTOTAL
6th Floor						
5th Floor						
4th Floor						
3rd Floor						
2nd Floor Mezzanine						

ALLOWABLE AREA
Primary Occupancy:         Assembly         A-1         A-2         A-3         A-4         A-5           X Business         Educational         Factory         F-1 Moderate         F-2 Low           High-Hazard         H-1 Detonate         H-2 Deflagrate         H-3 Combust         H-4 Health         H-5 HPM           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 Moderate         S-2 Low         High-piled           Utility and Miscellaneous         Parking Garage         Open         Enclosed         Repair
Secondary Occupancy:
Special Uses:     402     403     404     405     406     407     408     409     410     411     412       413     414     415     416     417     418     419     420     421
Special Provisions:         508.2         508.3         508.4         508.5         508.6         508.7         508.8           Mixed Occupancy:         X         No         Yes         Separation         Hr.         Exception:

Incidental Use Separation (302.1.1)
This separation is not exempt as a Non-Separated Use (see exceptions) X Non-Separated Use (302.3.1) The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building. Separated Use (302.3.2) - See below for area calculations
For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

	<u>Actual Area of</u> Allowable Area of			Actual Area of Oc lowable Area of O		≤1		
		0.41	+	N/A	=	0.41	≤1.00	
STORY NO.	DESCRIPTION AND USE	(A) BLDG. AREA PER STORY (ACTUAL)	(B) TABLE 503 <sup>5</sup> AREA	(C) AREA FOR FRONTAGE INCREASE <sup>1</sup>	(D) AREA FOR SPRINKLER INCREASE <sup>2</sup>	(E) ALLOWABLE AREA OR UNLIMITED <sup>3</sup>	(F) MAXIMUM BUILDING AREA <sup>4</sup>	
1st Floor	Shell Building	6,545 SF	9,000	6,750	N/A	15,750	31,500	

							L
a. Perime	ter which fronts a		n space having 20	feet minimum wid	th = 320	_(F)	
	Building Perimete: F/P) = 1	$r = \frac{320}{(E/P)}$	(P)				
d. W = M	linimum width of	public way =					
		ease $I_f = 100 [F/P-0]$		<u>75</u> (%)			
2 The sprinkler in	crease as per Sec	tion 506.3 is as foll	ows:				

The springer mereuse as per section 500.5 is as follows:
a. Multi-story building $I_s = 200$ percent
b. Single story building $I_s = 300$ percent
Unlimited area applicable under conditions of Sections Group B ,F, M, S, A-4 ( 507);
Group A motion picture (507.9); Malls (402.6); and H-2 aircraft paint hangers (507.7).
Maximum Building Area = total number of stories in the building $x \in (506.4)$ .
The maximum area of parking garages must comply with 406.3.5. The maximum area of air traffic control towers must comply with 412.1.2.

	ALLOWABLE (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLAN	CODE REFERENCE
Type of Construction	Type_V-B		Type V-B	503
Building Height in Feet	Feet _40'	Feet = H + 20' N/A	_ 18'-2"	504.2
Building Height in Stories	Stories 2	Stories + 1 = N/A	_ Stories1	504.2
	FIRE	PROTECTION REQUIREMENT	s	

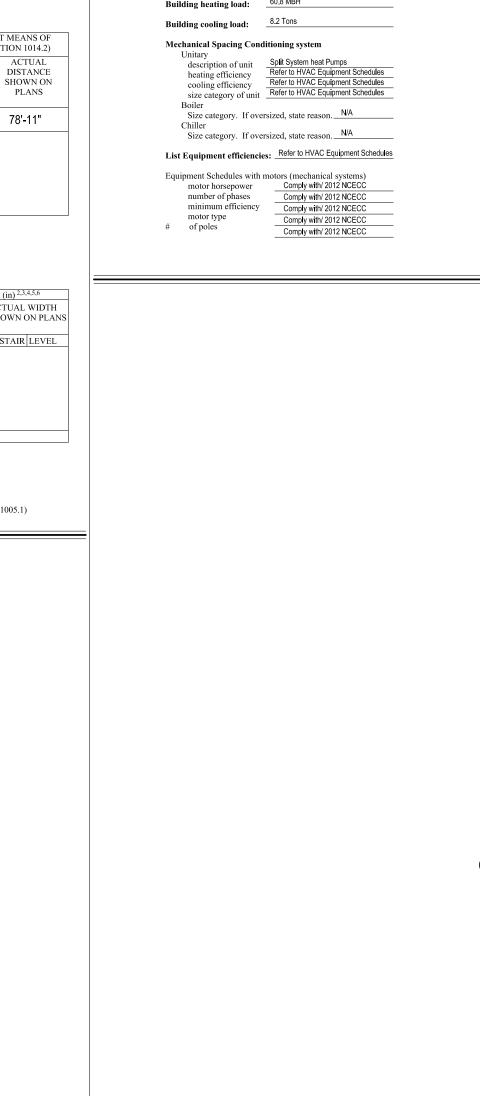
Life Safety Plan Sheet #, if P								The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet.
BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D		DETAIL# AND SHEET#	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS	also be provided. Each Designer shall furnish the required portions of the project information for the pian data sheet.  If energy cost budget method, state the annual energy cost budget vs. allowable annuaul energy cost budget.  THERMAL ENVELOPE
Structural Frame , including columns, girders,	>30 Ft				AV/A	AMA.		Method of Compliance:  X Prescriptive Performance Energy Cost Budget
trusses	>30 Ft	0	0	N/A	N/A	N/A	N/A	Roof/ceiling Assembly (each assembly)
Bearing walls	. 00 51	-	-	h1/0	21/2	h1/A	11/0	Description of assembly STEEL JOISTS, STEEL DECKING, 5" RIGID ISO INSULATION, WITE TPO ROOF SYSTEM.
Exterior	>30 Ft	0	0	N/A	N/A	N/A	N/A	U-Value of total assembly  U-Value of total assembly  U-Value of total assembly 0.03
North	>30 Ft	0	0	N/A	N/A	N/A	N/A	R-Value of insulation R-Value of insulation 28.5.
East	>30 Ft	0	0	N/A	N/A	N/A	N/A	Skylights in each assembly Skylight - NA
West	>30 Ft	0	0	N/A	N/A	N/A	N/A	U-Value of skylight
South	>30 Ft	0	0	N/A	N/A	N/A	N/A	total square footage of skylights in each assembly Wall: 3" CONCRETE MASONRY BLOCK WITH FOAM IN-PLACE INSULATION, EXTERIOR FACE DAMP PROOFED. 1" AIR GA
Interior		0	0	N/A	N/A	N/A	N/A	Exterior Walls (each assembly)  4" BRICK VENEER OR 12" CONCRETE MASONRY BLOCK WITH FOAM IN-PLACE INSULATION EXTERIOR FACE DAMP
Nonbearing walls and partitions								Description of assembly U-Value of total assembly U-Value of total assembly U-Value of total assembly 0.29/0.43 Respectively
Exterior	>30 Ft	0	0	N/A	N/A	N/A	N/A	R-Value of insulation B-Value of insulation 25 0/45 0 Respectively
North	>30 Ft	0	0	N/A	N/A	N/A	N/A	Openings (windows or doors with glazing)
East	>30 Ft	0	0	N/A	N/A	N/A	N/A	U-Value of assembly N/A shading coefficient N/A
West	>30 Ft	0	0	N/A	N/A	N/A	N/A	projection factor N/A
South	>30 Ft	0	0	N/A	N/A	N/A	N/A	low e required, if applicable
Interior		0	0	N/A	N/A	N/A	N/A	Door R-Values N/A
Floor construction Including supporting beams and joists  Roof construction Including supporting beams		0	0	N/A	N/A	N/A	N/A	ELECTRICAL SUMMARY
and joists		0	0	N/A	N/A	N/A	N/A	TARGET AND
Shaft Enclosures - Exit		N/A	N/A	N/A	N/A	N/A	N/A	ELECTRICAL SYSTEM AND EQUIPMENT
Shaft Enclosures - Elevator		N/A	N/A	N/A	N/A	N/A	N/A	Method of Compliance:
Cooridor Separation		N/A	N/A	N/A	N/A	N/A	N/A	X Prescriptive Performance Energy Cost Budget
Occupancy Separation		N/A	N/A	N/A	N/A	N/A	N/A	
Party/Fire Wall Separation		N/A	N/A	N/A	N/A	N/A	N/A	Lighting schedule
Smoke Barrier Separation		N/A	N/A	N/A	N/A	N/A	N/A	lamp type required in fixture number of lamps in fixture  Refer to Lighting fixture schedule  Refer to Lighting fixture schedule
Tenant Separation		N/A	N/A	N/A	N/A	N/A	N/A	number of lamps in fixture  Refer to Lighting fixture schedule  Refer to Lighting fixture schedule
Incidental Use Separation		N/A	N/A	N/A	N/A	N/A	N/A	number of ballasts in fixture Refer to Lighting fixture schedule
* Indicate section number per	mitting reduction	•						total wattage per fixture  total interior wattage specified vs allowed  total exterior wattage specified vs allowed  total exterior wattage specified vs allowed  Additional Prescriptive Compliance: 506.2.2 Reduced Lighting Power
								Daneity

	ergency Light	ing:	X No	Yes	Section 1006	5.1	
Exi	t Signs:		X No	Yes			
	e Alarm: oke Detection	Systems:	X No	_ Yes ☐ Yes			
Pan	ic Hardware:		X No	Yes	Section 1008	3.1.9	
		NAME OF THE OWNER	EXIT REQUI				
			ER AND ARRANG				
FLOOR,ROOM OR SPACE DESIGNATION		IMUM <sup>2</sup> R OF EXITS SHOWN	TRAVEL ALLOWABLE TR		NCE ACTUAL		MENT MEANS OF SECTION 1014.2) ACTUAL
	REQUIRED	ON PLAN	DISTANCE (TABLE 1015		TRAVEL DISTANCE SHOWN ON PLANS	DISTANCE BETWEEN EXIT DOORS	DISTANCE SHOWN ON PLANS
BUSINESS	2	3	200'-0"		88'-3"	56'-11"	78'-11"
Corridor dead ends (Sect     Single exits (Table 1018     Common Path of Travel	.2)	3)	EXIT W	DTH			
USE GROUP	(a)	(b)			(c)		DTH (in) <sup>2,3,4,5,6</sup>
OR SPACE DESCRIPTION	AREA <sup>1</sup> sq.ft.	AREA <sup>1</sup> PER OCCUPAN	OCCUPANT	PEF	R OCCUPANT	REQUIRED WIDTH (SECTION 1005.1) (a/b) x c	ACTUAL WIDTH SHOWN ON PLA
		(TABLE 1004		-	TAIR LEVEL	STAIR LEVEL	STAIR LEVEL
1 See Table 1004.1.2 to de See definition "Area, Gr 2 Minimum stairway widt 3 Minimum width of exit I 4 See Section 1004.5 for c 5 The loss of one means of 6 Assembly occupancies (	oss" and "Area h (Section 100 passsageway ( onverging exit f egress shall r	a, Net" (Section 05.1); min. corri Section 1020.2) ts. not reduce the a	n 1002) idor width (Section )				tion 1005.1)
See definition "Area, Gr 2 Minimum stairway widt 3 Minimum width of exit I 4 See Section 1004.5 for c 5 The loss of one means or	oss" and "Area h (Section 100 passsageway ( onverging exit f egress shall r	a, Net" (Section 05.1); min. corri Section 1020.2) ts. not reduce the a	n 1002) idor width (Section ) available capacity to	ess than	n 50 percent of		tion 1005.1)
See definition "Area, Gr 2 Minimum stairway widt 3 Minimum width of exit t 4 See Section 1004.5 for c 5 The loss of one means o 6 Assembly occupancies (	oss" and "Area h (Section 100 passsageway ( onverging exit f egress shall r	a, Net" (Section 15.1); min. corr Scition 1020.2) Is. not reduce the a	n 1002) idor width (Section ) vailable capacity to  STRUCTURA	ess than	n 50 percent of		tion 1005.1)
See definition "Area, Gr 4 Minimum stairway widt 5 Minimum width of exit t 6 See Section 1004.5 for c 7 The loss of one means o 7 Assembly occupancies (	oss" and "Area h (Section 100 passsageway ( onverging exit f egress shall r	a, Net" (Section 05.1); min. corri Section 1020.2) ts. not reduce the a	structura  1.00  Structura  1.0  1.0  1.0	ess than	n 50 percent of		tion 1005.1)
See definition "Area, Gr 2 Minimum stairway widt 3 Minimum width of exit t 4 See Section 1004.5 for c 5 The loss of one means o 6 Assembly occupancies (  DESIGN LOADS:  Importance Factors:  Live Loads:	oss" and "Arei h (Section 100 passsageway ( onverging exit f egress shall r Section 1024)	wind (I <sub>W</sub> Snow (I S	STRUCTURA  (a) 1.0  (b) 1.0  (c) 1.0  (c) 1.0  (c) 1.0  (c) 1.0  (c) N/A  (d) 1.0	ess than	n 50 percent of		tion 1005.1)
See definition "Area, Gr 2 Minimum stairway widt 3 Minimum width of exit t 4 See Section 1004.5 for c 5 The loss of one means o 6 Assembly occupancies (  DESIGN LOADS:  Importance Factors:  Live Loads:	oss" and "Area h (Section 100 passsageway ( onverging exit f egress shall r	Wind (I <sub>W</sub> Snow (I <sub>S</sub> Seismic (I <sub>E</sub> Roof Mezzanine Floor sf	1002)	L DES	n 50 percent of		tion 1005.1)
See definition "Area, Gr 2 Minimum stairway widt 3 Minimum width of exit t 4 See Section 1004.5 for c 5 The loss of one means o 6 Assembly occupancies (  DESIGN LOADS:  Importance Factors:  Live Loads:  Snow Load:  Wind Load: Bass Exp	oss" and "Area h (Section 100 passsageway (converging exit f egress shall r (Section 1024)	Wind (I <sub>W</sub> Snow (I <sub>S</sub> Seismic (I <sub>E</sub> Roof Mezzanine Floor sf	1002)	L DES	n 50 percent of		tion 1005.1)
See definition "Area, Gr 2 Minimum stairway widt 3 Minimum width of exit t 4 See Section 1004.5 for c 5 The loss of one means o 6 Assembly occupancies (  DESIGN LOADS:  Importance Factors:  Live Loads:  Snow Load:  Wind Load: Bass Exp	oss" and "Arei h (Section 100 passsageway ( onverging exit f egress shall r Section 1024)  15  pic Wind Speed out Speed out Sassage GORY A	Wind (I <sub>w</sub> Specifies (Section 1020.2) ts. not reduce the a [I <sub>w</sub> Snow (I <sub>s</sub> Seismic (I <sub>E</sub> Roof Mezzanine Floor sf	structural of the section of the se	L DES	n 50 percent of		tion 1005.1)
See definition "Area, Gr 2 Minimum stairway widt 3 Minimum width of exit I 4 See Section 1004.5 for c 5 The loss of one means o 6 Assembly occupancies (  DESIGN LOADS:  Importance Factors:  Live Loads:  Snow Load:  Wind Load: Bass Exp Win  SEISMIC DESIGN CATE Compliance with section 16  SEISMIC DESIGN CATE Provide the following Seism	oss" and "Area h (Section 100 passsageway ( converging exit f egress shall r Section 1024)  15 pic Wind Speed osure Categor ad Base Shears GORY A 16.4 only?  GORY ic Design Para	Wind (I <sub>W</sub> Specified (Section 1020.2) ts. not reduce the a wind (I <sub>W</sub> Snow (I <sub>S</sub> Seismic (I <sub>E</sub> Roof Mezzanine Floor sf (For MWFRS)	structural of the section of the se	L DES	n 50 percent of	the total required (Sec	tion 1005.1)
See definition "Area, Gr 2 Minimum stairway widt 3 Minimum width of exit t 4 See Section 1004.5 for c 5 The loss of one means o 6 Assembly occupancies (  DESIGN LOADS:  Importance Factors:  Live Loads:  Snow Load:  Wind Load:  Bass Exp Win  SEISMIC DESIGN CATE  Compliance with section 16	oss" and "Arei h (Section 100 passsageway ( converging exit f egress shall r Section 1024)  15 pic Wind Speed osure Categor dd Base Shears GORY A 16.4 only? GORY ic Design Para	Wind (I <sub>w</sub> Section 1020.2) ts. not reduce the a  Wind (I <sub>w</sub> Snow (I <sub>s</sub> Seismic (I <sub>E</sub> Roof Mezzanine Floor sf (For MWFRS)	structural (Section )  National Matter (Section )  National Matter (Section )  Structural (Section )  Structural (Section )  1.0  1.0  1.0  20  N/A  100  mph (ASCE-7-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	L DES  L DES  No	NGN  V <sub>y</sub> =	the total required (Sec	tion 1005.1)
See definition "Area, Gr 2 Minimum stairway widt 3 Minimum width of exit 1 4 See Section 1004.5 for c 5 The loss of one means of 6 Assembly occupancies (  DESIGN LOADS:  Importance Factors:  Live Loads:  Snow Load:  Wind Load:  Bass Exp Win  SEISMIC DESIGN CATE Compliance with section 16  SEISMIC DESIGN CATE Provide the following Seism Seismic Use Group	oss" and "Arei h (Section 100 passsageway ( onverging exit f egress shall r Section 1024)  15 pic Wind Speed osure Categor hd Base Shears GORY A 16.4 only? GORY ic Design Para A Acceleration	Wind (I <sub>W</sub> Spectron 1020.2) is. not reduce the a wind reduce the a series of the serie	structural (Section )  National Matter (Section )  Structural (Section )  Structural (Section )  1.0  1.0  1.0  1.0  N/A  100  mph (ASCE-7-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	ppsf ppsf ppsf C	on 50 percent of $V_y = $ D $0.092 - \%g$	the total required (Sec	tion 1005.1)
See definition "Area, Gr 2 Minimum stairway widt 3 Minimum width of exit 1 4 See Section 1004.5 for c 5 The loss of one means o 6 Assembly occupancies (  DESIGN LOADS:  Importance Factors:  Live Loads:  Snow Load:  Wind Load: Bass Exp Win  SEISMIC DESIGN CATE Compliance with section 16.  SEISMIC DESIGN CATE Provide the following Seism Seismic Use Group Spectral Response Site Classification Basic structural sy Barn	oss" and "Arei h (Section 100 passsageway ( converging exit f egress shall r Section 1024)  15 pic Wind Speed course Categor and Base Shears GORY Acceleration  stem (check o rier Wall lding Frame	Wind (I <sub>W</sub> Spectron 1020.2) is. not reduce the a wind reduce the a set of reduce the a	1002)	DESS  LL DESS  psf psf psf psf psf psf Presum ussonry s	NGN $V_y = $ D $0.092$ $0.09$	the total required (Sec	tion 1005.1)
See definition "Area, Gr 2 Minimum stairway widt 3 Minimum width of exit 1 4 See Section 1004.5 for c 5 The loss of one means o 6 Assembly occupancies (  DESIGN LOADS:  Importance Factors:  Live Loads:  Snow Load:  Wind Load: Bass Exp Win  SEISMIC DESIGN CATE Compliance with section 16  SEISMIC DESIGN CATE Provide the following Seism Seismic Use Group Spectral Response Site Classification Basic structural sy  Barn Buil Mor Seismic base shear Analysis Procedur	oss" and "Arei h (Section 100 passsageway (Converging exit f egress shall r Section 1024)  15 ptic Wind Speed osure Category dd Base Shears GORY A 16.4 only?  GORY ic Design Para X Acceleration  stem (check orier Wall lding Frame ment Frame Vx = Sin general control of the control of t	Wind   (I <sub>W</sub>   (Section 1020.2)	1002   1002   1007	L DES  L DES  L DES  No  C  Presun	V <sub>y</sub> = D  .092	the total required (Sec	tion 1005.1)
See definition "Area, Gr 2 Minimum stairway widt 3 Minimum width of exit I 4 See Section 1004.5 for c 5 The loss of one means o 6 Assembly occupancies (  DESIGN LOADS:  Importance Factors:  Live Loads:  Snow Load:  Wind Load: Bass Exp Win  SEISMIC DESIGN CATE Compliance with section 16  SEISMIC DESIGN CATE Provide the following Seism Seismic Use Group Spectral Response Site Classification Basic structural sy Barn Buil Mori	oss" and "Area h (Section 100 passsageway (converging exit f egress shall r Section 1024)  15 ptic Wind Speed osure Category dd Base Shears GORY A 16.4 only?  GORY ic Design Para X Acceleration stem (check orier Wall dding Frame ment Frame Vx = Sinchanical, Control of the control of t	Wind (I <sub>W</sub> Spection 1020.2) is section 1020.2) is section 1020.2) is sort reduce the a limit of the following specific section 1020.2) is sort reduce the a limit of the following specific section 1020.2) is section 1020.2)	1002   1002   1007	Presunsonry S	NGN  V <sub>y</sub> = D  .092 %g mptive  H  Shear Walls becial Steel	the total required (Sec	tion 1005.1)
See definition "Area, Gr 2 Minimum stairway widt 3 Minimum width of exit y 4 See Section 1004.5 for c 5 The loss of one means o 6 Assembly occupancies (  DESIGN LOADS:  Importance Factors:  Live Loads:  Snow Load:  Wind Load: Basi Exp Win  SEISMIC DESIGN CATE Compliance with section 16  SEISMIC DESIGN CATE Provide the following Seism Seismic Use Group Spectral Response Site Classification Basic structural sy Bari Buil Mor Seismic base shear Analysis Procedur Architectural, Med	oss" and "Area h (Section 100 passsageway (Converging exit f egress shall r Section 1024)  15 ptic Wind Speed osure Category dd Base Shears GORY A 16.4 only?  GORY ic Design Para X Acceleration  stem (check orier Wall dding Frame ment Frame Vx = Since thanical, Control: TTROL: TTES:	Wind (I <sub>W</sub> Socion 1020.2) is. in the reduce the a wind in the reduce the reduce the reduced with a wind in the reduced with a wind in the reduced with a wind in the reduced wind in the reduced with a wind in the red	1002   idor width (Section   )	Presure School C or Sport C or Sp	NGN  Vy= D  .092 %g mptive  H Shear Walls becial Steel  Re Mo	the total required (Sec	tion 1005.1)

1 1

Wind Loads D	' W' 10 1	100 mph (ASC)	P 7 02)		
Ex	sic Wind Speed posure Category and Base Shears (for MV	<u> </u>			
SEISMIC DESIGN CAT Compliance with section 1		Yes	X No		
SEISMIC DESIGN CATE Provide the following Seisi		В	X C D		
Seismic Use Grou	_				
Spectral Response		.251 ‰	s <sub>1</sub> %g		
Site Classification				- i - 1 D-t-	
Basic structural s		A Field Test	Presumptive Histo	orical Data	
Ba	•	Ordinary Reinforced	Masonry Shear Walls		
Bu		Dual w/ Intermediat			
Mo	oment Frame	Inverted Pendulum			
Seismic base shea	$_{\rm r}$ $_{\rm v_x}$ = 29kp	$v_y = 29kps$			
Analysis Procedu	re Simplified	X Equivalent I	ateral Force Modal	I	
Architectural, M	echanical, Component	s anchored? <u>Yes</u>			
LATERAL DESIGN CO	NTROL: Eartho	uake	Wind X		
SOIL BEARING CAPAC					
Field Test (provide	e copy of test report)		psf		
Presumptive Beari		2,000	•		
Pile size, type and	capacity				
		PLUMBING FIXT	URE REQUIREMENTS		
USE	WATERCLOSE			TUDE	FOUNTAINS
siness- 59 occupants total st Floor SHOWN	MALE FEM		MALE FEMALE 2 2	0 REGULAR	ACCESSIBLE 1
REQUIRED		1	2 2	1	1
		ACCESSIBL	E PARKING		
LOT OR PARKING AREA		RKING SPACES	# OF ACCESSIBLE S		TOTAL#
AKEA	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESS AISLE	VAN SPACE WITH 8' ACCESS AISLE	ACCESSIBLE PROVIDED
25,205SF	6	40	2	2	4

| |



1 1

MECHANICAL REQUIREMENTS	
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT  Method of Compliance:  Energy Code: X Prescriptive Performance  ASHRAE 90.1: Prescriptive Performance	
Thermal Zone: 4A winter dry bulb summer dry bulb  94  22  94	
Interior design conditions:  winter dry bulb summer dry bulb relative humidity  65 78 55%	
Building heating load: 60.8 MBH	
Building cooling load: 8.2 Tons	
Mechanical Spacing Conditioning system  Unitary description of unit heating efficiency cooling efficiency size category of unit Boiler Size category. If oversized, state reason. N/A  Split System heat Pumps Refer to HVAC Equipment Schedules	
List Equipment efficiencies: Refer to HVAC Equipment Schedules	
Equipment Schedules with motors (mechanical systems) motor horsepower number of phases minimum efficiency motor type  # of poles  Equipment Schedules with motors (mechanical systems) Comply with/ 2012 NCECC	

| |

| |

## LIFE SAFETY LEGEND

1 1

EXITS, BUILDING CEILING MOUNTED EXIT SIGN FIRE EXTINGUSHER RECESSED CABINET LOCATION (CLASS A)

FIRE ALARM PULL STATION

FIRE ALARM CONTROL PANEL

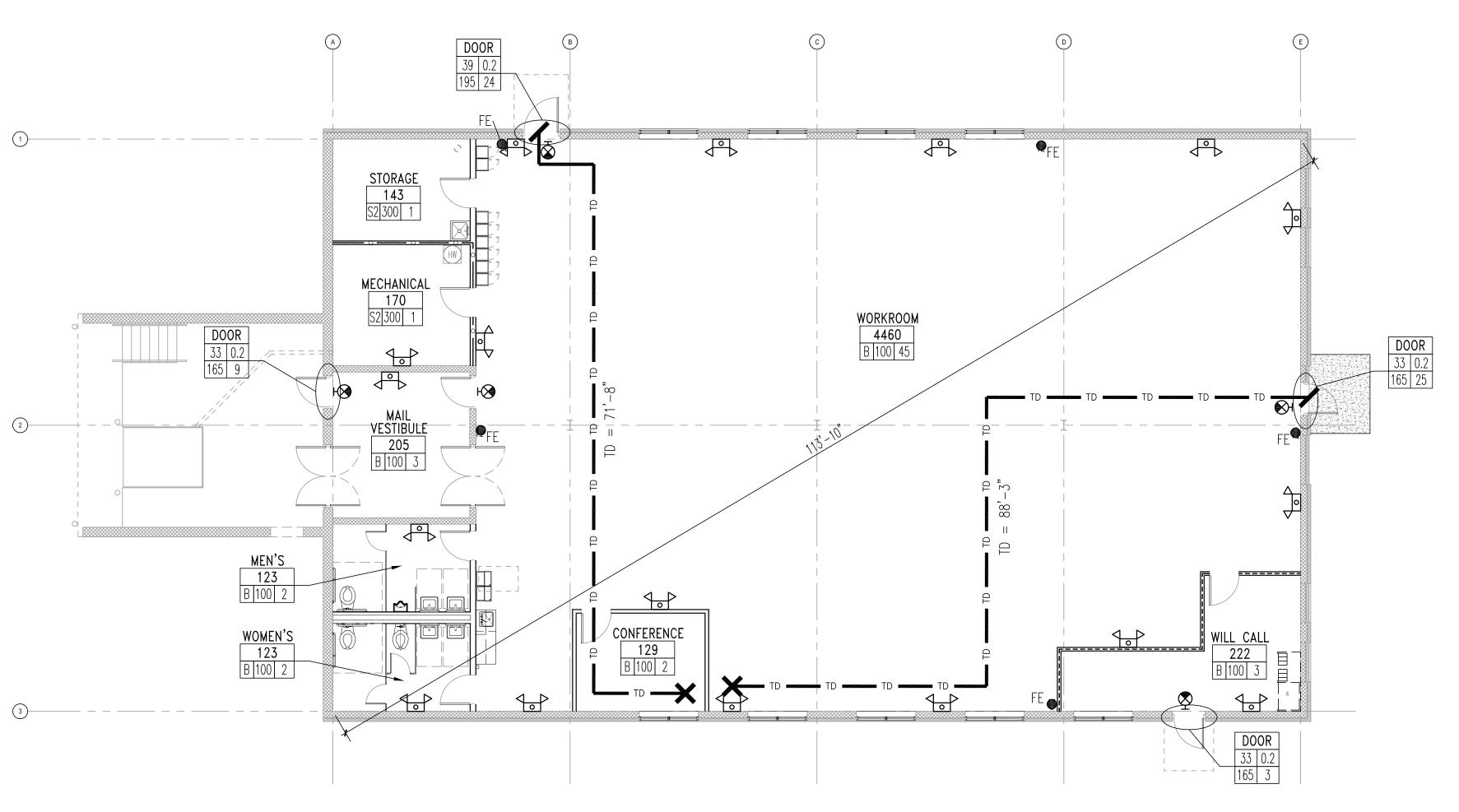
EMERGENCY BATTERY PACK FIXTURE

ROOM LABEL PERSONS PER SPACE OCCUPANCY LOAD FACTOR OCCUPANCY

EGRESS ELEMENT
EXIT WIDTH PER PERSON (IN)
EGRESS WIDTH (CLEAR) ✓ ACTUAL PEOPLE CAPACITY (PEOPLE)

TD=XX'
TRAVEL DISTANCE TO AN EXIT

CP=XX'
CP=XX'
OF EGRESS AVAILABLE



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





| |