

Fire Marshal Division

August 20, 2018

Christopher Dull P.O. Box 27497 Greensboro, NC 27498

Re: USPS Facility

Cameron, NC

Application Number BCOM1808-0006

Mr. Dull,

Thank you for submitting the plans for the building alterations. The plans have been carefully reviewed by a qualified code enforcement official to examine for compliance with the North Carolina Fire Prevention Code and all other fire protection regulatory documents. There are some items that were found during the plan review process that need to be addressed before a final inspection of the facility can be given. These items are outlined and described below.

• 906.1 Fire Extinguishers

- Fire extinguishers shall be placed in approved locations and may be field verified on final inspection.
- The fire extinguishers provided shall have a minimum rating of 2A 10B: C and shall not be installed higher than 5 feet above the finished grade.

1011 Exit Signs

 Exits and exit access doors shall be marked by an approved exit sign readily visible from any direction of egress travel.

• 1006 Means of Egress Illumination

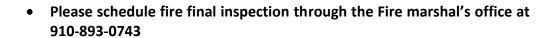
- The means of egress, including the exit discharge, shall be illuminated at all times building space served by the means of egress is occupied.
- The means of egress illumination level shall not be less than 1 foot-candle at the walking surface.

• 505.1 Physical Address

o Install approved address numbers on the building that are visible from the street. Also, approved address numbers are needed on rear tenant doors for multi-tenant buildings. Numbers must be 6" in size and contrast with the building's exterior.







Thank you again for submitting the plans for the building alterations. Please review the plans and adhere to any notes and alterations that were made in addition to the original drawings. If you have any questions, please do not hesitate to call this office.

Again, thank you and we look forward to working with you during the construction period!

Sincerely,

D. Banks Wallace

Chief Deputy Fire Marshal

D. Bands Walleve





Plan Review, Inspection, and Permit Fees

Application Number	:	FMFW1808-0006				
\$200.00		Explosive Material (90 Days)	\$	-		
\$100.00		Explosive Materials (72 Hours)	\$	-		
\$100.00		Fireworks Public Display	\$	-		
\$50.00	V	Final Inspection	\$	50.00		
\$35.00 + \$2.00 per device		Fire Alarm Testing	\$	-		
\$35.00 + \$2.00 per nozzle		Fixed Fire Suppression	\$	-		
\$75.00		Insecticide Fog/Fumigation	\$	-		
\$100.00		Pipe Test/UST/AGST	\$	-		
\$50.00		Plans up to 5000 sq ft	\$	-		
\$100.00		Plans 5001 sq ft to 10,000 sq ft	\$	-		
\$150.00		Plans 10,001 sq ft to 25,000 sq ft	\$	-		
\$250.00		Plans 25,001 sq ft and over	\$	-		
\$35.00 + 2.00 per head		Sprinkler Certification Test	\$	-		
\$50.00		Standpipe Testing	\$	-		
\$50.00		Special Assembly				
·		(ie. amusement buildings, carnivals, fairs)	\$	-		
\$75.00		Tents/Canopies/Air Supported Structure	\$	-		
\$100.00		Tank Installation (charge for each tank)	\$	-		
\$100.00		Tank Removal (charge for each tank)	\$	-		
		Total Devices/Heads	\$	-		
		Total Cost	\$	-		
			Federal	Exempt		
Code Enforcement Official		D. Banks Wallace	8/20/2018			

FIRE EXTINGUSHER RECESSED CABINET

LOCATION (CLASS A)

| |

2012 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMECIAL PROJECTS	LIFE SAFETY SYSTEM REQUIREMENTS									
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)	Emergency Lighting: X No Yes Section 1006.1 Exit Signs: X No Yes Section 1011.1 Fire Alarm: X No Yes Section 907.2 Smoke Detection Systems: X No Yes Section 907.2.10.1									
Name of Project: USPS Spout Springs Interior Upfit H M Cagle Drive, Cameron, NC (Johnsonville Township) 7:- C1-28326	Panic Hardware: X No Yes Section 1907.2.10.1									
Address: Zip Code : Zip	EXIT REQUIREMENTS NUMBER AND ARRANGEMENT OF EXITS									
Code Enforcement Jurisdiction: City X County Harnett County, NC State	FLOOR, ROOM OR MINIMUM ² TRAVEL DISTANCE ARRANGEMENT MEANS OF									
LEAD DESIGN PROFESSIONAL: Beth B. Walker, Project Architect DESIGNER FIRM NAME LICENSE # TELEPHONE # E-Mail	SPACE DESIGNATION NUMBER OF EXITS EGRESS 1.3 (SECTION 1014.2) REQUIRED SHOWN ON PLAN ON PLAN DISTANCE (TABLE 1015.1) DISTANCE DISTANCE DISTANCE DISTANCE SHOWN ON PLANS PLANS REQUIRED CONTRACTOR OF THE PROPERTY OF THE PRO									
Architectural The Walker Group Architecture, Inc. Civil	BUSINESS 2 3 200'-0" 88'-3" 56'-11" 78'-11"									
Electrical McKnight, Smith, Ward, Griffin Engineers Greg Mcdowell 704-527-2112 cchampion@mswg.com	Corridor dead ends (Section 1016.3)									
2012 EDITION OF NC CODE FOR: New Construction Addition X Upfit EXISTING: Reconstruction Alteration Repair CONSTRUCTED ORIGINAL USE RENOVATED CURRENT USE	 Single exits (Table 1018.2) Common Path of Travel (Section 1013.3) EXIT WIDTH									
BUILDING DATA Construction Type:	USE GROUP OR SPACE DESCRIPTION OR SPACE TO SPACE DESCRIPTION OR SPACE TO SPACE DESCRIPTION OR SPACE TO SPACE TO SPACE DESCRIPTION OR SPACE STAIR LEVEL OR SPACE TO SPACE STAIR LEVEL OR SPACE STAIR LEVEL OR SEXIT WIDTH (in) 2.3,4,5,6 SEXIT									

Mezzanine: X No Yes

Gross Building Area: FLOOR

II-B

a. Perimeter which fronts a public way or open space having 20 feet minimum width = _____ (F)

5 The maximum area of parking garages must comply with 406.3.5. The maximum area of air traffic control towers

Frontage area increases from Section 506.2 are computed thus:

a. Multi-story building $I_s = 200$ percent b. Single story building $I_s = 300$ percent

b. Total Building Perimeter = 320 (P)
c. Ratio (F/P) = 1 (F/P)
d. W = Minimum width of public way = 30 (W)
e. Percent of frontage increase $I_f = 100$ [F/P-0.25] x W/30 = 75 (%)

The sprinkler increase as per Section 506.3 is as follows:

3 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). 4 Maximum Building Area = total number of stories in the building x E (506.4).

III-B

■ NFPA 13 ■ NFPA 13R ■ NFPA 13D Class I III III Wet Dry

Flood Hazard Area: X No Yes

 See Table 1004.1.2 to determine whether net or gross area is applicable.
 See definition "Area, Gross" and "Area, Net" (Section 1002)
 Minimum stairway width (Section 1005.1); min. corridor width (Section 1016.2); min. door width (Section 1018.1) See Section 1004.5 for converging exits.
 The loss of one means of egress shall not reduce the available capacity to less than 50 percent of the total required (Section 1005.1)
 Assembly occupancies (Section 1024)

SEE LIFE SAFETY PLAN

TLOOK	LAISTI	10(50.11.)		NEW (5Q.11.)		ЗСБТС	THE	I ———									
6th Floor																	
5th Floor																	
4th Floor																	
3rd Floor																	
2nd Floor												STRUCT	URAL DESI	GN			
Mezzanine				6,000 SF				DESIGN LO	OADS:								
1st Floor								1.0									
Loading				545 SF				Impor	tance Factors:		Wind (I _W)						
TOTAL				6,545 SF				Snow $\binom{1}{S}$ $\frac{1.0}{1.0}$									
								_		S	Seismic (I _E)	1.0					
	=			L													
		Live I	.oads:	F	Roof	20	nsf										
											Mezzanine	N/A	psf				
Primary Occupan	cv:						A-5				Floor	100	•				
	Assembly		A-1	A-2	A-3	A-4			1	1001		psf					
X Busine	X Business Educational Factory F-1 Moderate F-2 Low									Snow Load: 15 nsf							
High-Haza	rd H-1 D	Detonate	H-2 Deflagrate	H-3 Combus	t H-4 Health	H-5 HPM				psi							
Institutiona	=	=	I-2	I-3	☐ I-4	_					400						
mstitutiona		=		=	=	— .		Wind	Load: Basic	c Wind Speed		mph (ASC	CE-7-02)				
	I-3 Use Co		1	2	3	<u> </u>	5		Expo	osure Category	C						
Merca	ntile Resid	ential	R-1	R-2	R-3	R-4			Wind	d Base Shears (f	or MWFRS)	$V_{v} =$		$V_{v} =$			
Storage S-1 Moderate S-2 Low High-piled									, , , , , , , , , , , , , , , , , , ,								
_ ~	and Miscellaneous	=	Parking Garage	Open	Enclosed	Repair		SEISMIC D	DESIGN CATEO	GORY A							
	and wiscenaneous	Ш	raiking Garage	Open	Eliciosed	Керап		Compliance	with section 161	6.4 only?		Yes	X No				
Secondary Occupa	ancv:	-									_	_					
, , , , , , , , , , , , , , , , , , , ,	-						_	SEISMIC D	ESIGN CATEO	CORV		l p	Χc				
Special Uses: 402 403 404 405 406 407 408 409 410 411 412									SEISMIC DESIGN CATEGORY Provide the following Seismic Design Parameters:								
								V									
413 414 415 416 417 418 419 420 421									0.000								
Special Provisions	: 508	.2 508.3	508.4	508.5	508.6	508.7	08.8	Spe									
								Site	Classification		X	Field Test	Presum	notive H	Historical Data		
Mixed Occupancy	: X No	Yes	Separation	Hr. I	Exception:			Bas	ic structural sys	stem (check one)							
Incider	ntal Use Separation (3	302.1.1)							Barri	ier Wall	X Ordi	nary Reinforce	d Maconry Sl	hoar Walle			
			arated Use (see ex	(ceptions)													
This separation is not exempt as a Non-Separated Use (see exceptions)									ding Frame		l w/ Intermedia		eciai Steei				
	eparated Use (302.3.								Mon	nent Frame	Inve	rted Pendulum					
	quired type of constru able occupancies to the							Seis	mic base shear	$V_{v} = 2$	29kps v	_= 29kps					
applicable occupancies to the entire building. The most restrictive type of construction, so determinbed, shall apply to the entire building.							Analysis Procedure SimplifiedX _ Equivalent Lateral Force Modal										
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								Architectural, Mechanical, Components anchored? Yes_									
	ble floor area for each			ie sum of the fatios	of the actual fioo	i area or each use	divided by the	Arc	hitectural, Mec	hanical, Compo	onents ancho	red? <u>Y </u>					
	Actual Area of Occ	aunanau 1	1	Actual Area of Oc	aunanau P			LATERAL	DESIGN CONT	TROL:	Earthquake		Wind	Χ			
,	Actual Area of Occ Allowable Area of Oc			Actual Area of Oc lowable Area of Oc		≤1		SOIL BEAL	RING CAPACIT		. –						
	, ,	0.41	+	N/A	=	0.4	<u>1</u> ≤1.00		d Test (provide c		rt)		psf				
									Presumptive Bearing capacity 2,000 psf								
STORY NO.	DESCRIPTION	(A)	(B)	(C)	(D)	(E)	(F)		size, type and ca			_,500	psi				
		BLDG. AREA	TABLÉ 503°	AREA FOR	AREA FOR	ALLOWABLE	MAXIMUM	Pile	size, type and ca	граспу							
		PER STORY (ACTUAL)	AREA	FRONTAGE INCREASE ¹	SPRINKLER INCREASE ²	AREA OR UNLIMITED ³	BUILDING AREA ⁴										
		(ACTUAL)			INCKLASE	CINCHNITED	AKLA										
1st Floor	Shell Building	6,545 SF	9,000	6,750	N/A	15,750	31,500				PLU	MBING FIX	TURE REQU	JIREMENTS	5		
									USE	WATERC	LOSETS	URINALS	LAVA	TORIES	SHOWERS/	DRINKING	FOUNTAINS
								Business- 59 occupa	ints total	MALE	FEMALE		MALE	FEMALE	TUBS	REGULAR	ACCESSIBLE
								First Floor	SHOWN	2	2	0	2	2	0	1	1
									REQUIRED	1 & (1 URINAL)	2	1	2	2		1	1
								1									

1 1

5 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.								LOT OR PARKING	ARKING SPACES	NG SPACES # OF ACCESSIBLE SPACES PROVIDED				
								AREA	REQUIRED PROVIDED		REGULAR WITH 5' VAN SPACE WI		TOTAL # ACCESSIBL	
		A	LLOWABLE H	EIGHT					,		ACCESS AISLE	ACCESS AISLE	PROVIDED	
	ALLOW	ADLE	DICREAGE	OD CDDDIVI	cne cri	OUDLOVED AN	CODE	25,205SF	6	40	2	2	4	
	ALLOW (TABLE		INCREASE F	OR SPRINKL	ERS SH	OWN ON PLAN	CODE REFERENCE							
Type of Construction	Type_V	-B			Туре	V-B	503			•				
Building Height in Feet	Feet 40'	_	Feet = H + 20			18'-2"	504.2							
Building Height in Stories	Stories 2	_	Stories + 1 =	N/A	Stories	1	504.2							
								=		ENERGY SU	MMARY			
Life Safety Plan Sheet #, if Pro	wided LS-101	RATING	PROTECTION	REQUIREMI	DESIGN#	DESIGN # FOR	DESIGN#		considered minimum ar	nd any special attribute r	equired to meet the energy co			
DOIEDING ELEMENT	SEPARATION		PROVIDED	AND	FOR	RATED	FOR	If energy cost budget metho	od, state the annual ener	gy cost budget vs. allow	able annuaul energy cost bud	get.		
	DISTANCE	KEQD	(W/*	SHEET #	RATED	PENETRATION	RATED							
	(FEET)		REDUCTION)		ASSEMBLY		JOINTS	THERMAL ENVELOPE						
Structural Frame .								Method of Complian	ce:					
including columns, girders,								X Prescript	tivo Dorformono	e Energy Cost Bu	udant			
trusses	>30 Ft	0	0	N/A	N/A	N/A	N/A			Ellergy Cost Bt	iagei			
Bearing walls								Roof/ceiling Assembly (each a		STEEL DECKING 5" DICK	ID ISO INSULATION, WITE TPO	DOOF EVETEM		
Exterior	>30 Ft	0	0	N/A	N/A	N/A	N/A	Description of assemb U-Value of total assem			ID 130 INSULATION, WITE 1PO	ROUF STSTEW.		
North	>30 Ft	0	0	N/A	N/A	N/A	N/A	R-Value of insulation	R-Value of insu					
East	>30 Ft	0	0	N/A N/A	N/A N/A	N/A N/A	N/A N/A	Skylights in each asser						
West	>30 Ft	0	0	N/A N/A	N/A N/A	N/A N/A	N/A N/A	U-Value of si		ach accomplete				
South Interior	>30 Ft	0	0	N/A	N/A	N/A	N/A	_	footage of skylights in e Wall; 8" CONC	RETE MASONRY BLOCK W	ITH FOAM IN-PLACE INSULATION	ON, EXTERIOR FACE DAMP	PROOFED, 1" Alf	
Nonbearing walls and		0	0	IN/A	IN/A	IN/A	IN/A	Exterior Walls (each assembly Description of assemb	- DIVIOUALIN	EER, OR, 12" CONCRETE N	MASONRY BLOCK WITH FOAM I	IN-PLACE INSULATION, EXT	ERIOR FACE DAM	
partitions								U-Value of total assem	FROOFED.	assembly 0.29/0.43 Respec	stivolv.			
Exterior	>30 Ft	0	0	N/A	N/A	N/A	N/A	R-Value of insulation	R-Value of insu	lation 25.0/45.0 Respectively				
North	>30 Ft	0	0	N/A	N/A	N/A	N/A	Openings (windows or		, ,				
East	>30 Ft	0	0	N/A	N/A	N/A	N/A	U-Value of asse shading coeffici						
West	>30 Ft	0	0	N/A	N/A	N/A	N/A	projection facto						
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		0	0	N/A	N/A	N/A	N/A							
Roof construction Including supporting beams and joists		0	0	N/A	AI/A	N/A	N/A			ELECTRICA	L SUMMARY			
3		N/A	N/A	N/A	N/A N/A	N/A N/A	N/A N/A	ELECTRICAL SYSTEM	AND EQUIPMENT					
Shaft Enclosures - Exit Shaft Enclosures - Elevator		N/A N/A	N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	Method of Comp	liance:					
Cooridor Separation		N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	X Preso		Пр С	4 D 14			
Occupancy Separation		N/A	N/A	N/A	N/A	N/A	N/A	Preso	criptive Perform	ance Energy Cos	a Buaget			
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			fer to Lighting fixture schedu		_		
Tenant Separation		N/A	N/A	N/A	N/A	N/A	N/A			fer to Lighting fixture schedu fer to Lighting fixture schedu		_		
Incidental Use Separation		N/A	N/A	N/A	N/A	N/A	N/A			fer to Lighting fixture schedu		_		
* Indicate section number perm	nitting reduction	1						total watta	ge per fixture Re	fer to Lighting fixture schedu 11owed 3285W Specifie	ile	_		

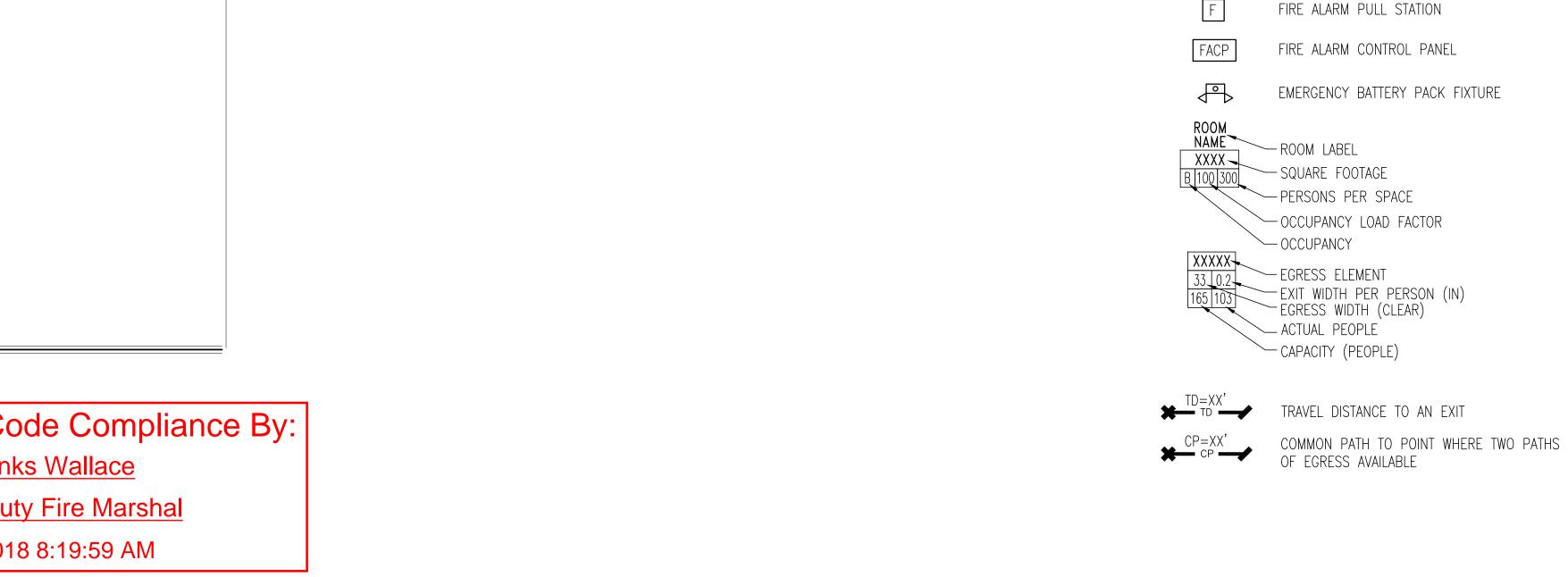
MECHANICAL REQUIREMENTS MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT Method of Compliance: Energy Code: X Prescriptive Performance ASHRAE 90.1: Prescriptive Performance Thermal Zone: 4A winter dry bulb summer dry bulb Interior design conditions: winter dry bulb summer dry bulb Building heating load: 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

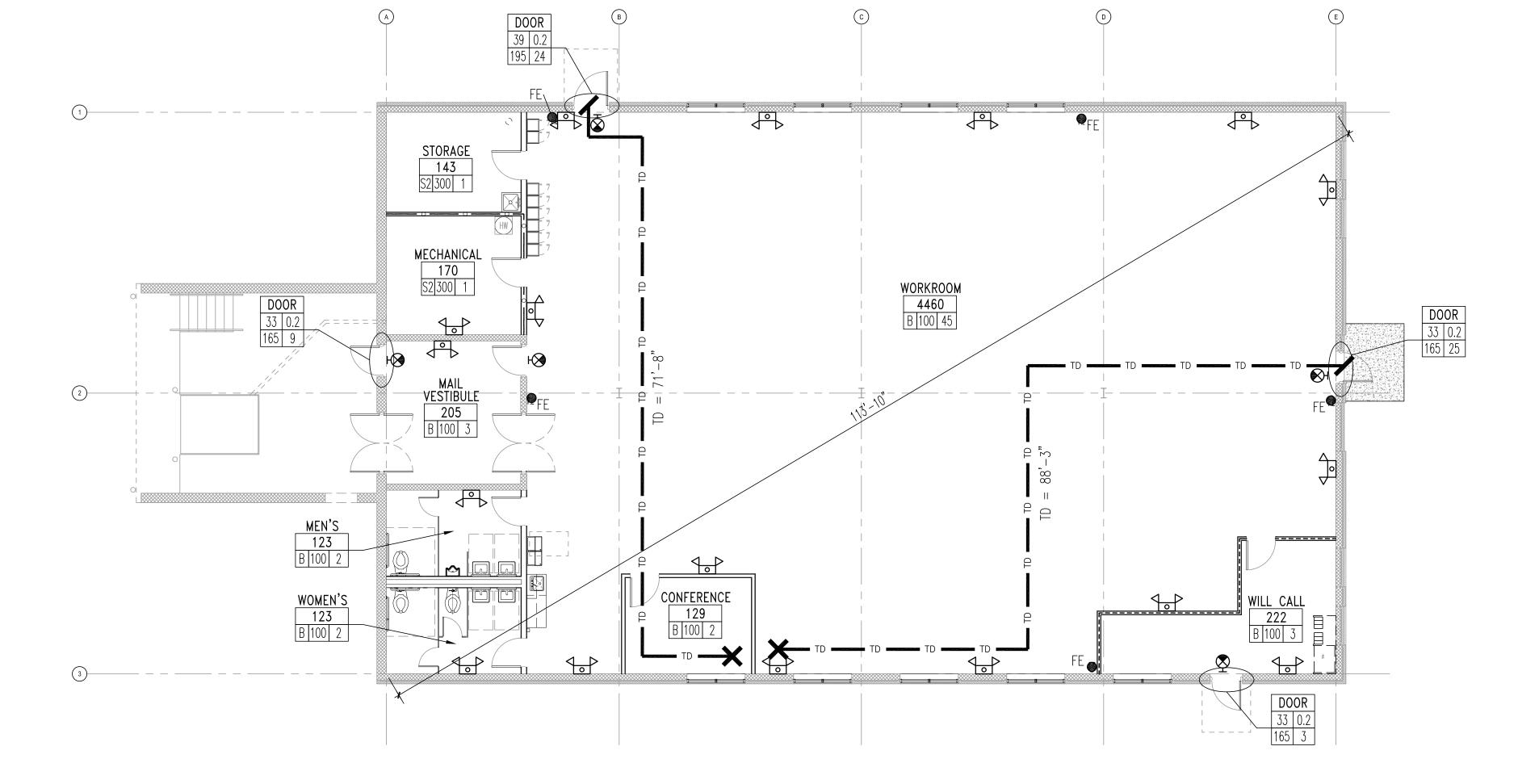
Split System heat Pumps
Refer to HVAC Equipment Schedules
Refer to HVAC Equipment Schedules
Refer to HVAC Equipment Schedules Size category. If oversized, state reason. N/A Size category. If oversized, state reason. N/A List Equipment efficiencies: Refer to HVAC Equipment Schedules Equipment Schedules with motors (mechanical systems) quipment Schedules with motors (mechanical systems)
motor horsepower
number of phases
minimum efficiency
motor type
of poles

math policy (mechanical systems)
Comply with/ 2012 NCECC
Comply with/ 2012 NCECC
Comply with/ 2012 NCECC
Comply with/ 2012 NCECC motor type # of poles

Reviewed For Code Compliance By: D. Banks Wallace **Chief Deputy Fire Marshal** 08/20/2018 8:19:59 AM

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