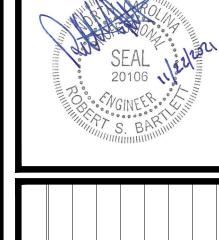
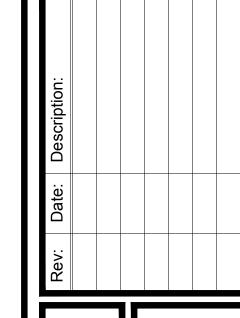
Office Addition to:

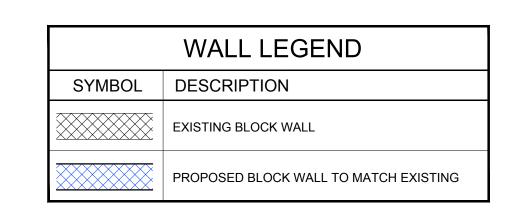
Building 500

1800 Herring Ave. Wilson, NC 27896

2018	B APPENDIX B BUILDING CODE	SHEET INDEX			
Name of Project: Office Addition to Building 500	ALLOWABLE HEIGHT	SPECIAL APPROVALS	STRUCTURAL DESIGN EXISTING DESIGN LOADS:	<u>COVER</u>	
Address: 1800 Herring Ave. Zip Code: 27896 Owner or Authorized Agent: City of Wilson Phone # (252) 399-2220 E-Mail:	ALLOWABLE SHOWN ON PLANS CODE REFERENCE Building Height in Feet (Table 504.3) ² 40' <28'	Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc., describe below)	Importance Factors: Wind (I _W) Snow (I _S)		
Owner or Authorized Agent : City of Wilson Phone # (252) 399-2220 E-Mail: Owned By: City / County Private State	Building Height in Stories (Table 504.4) ³ 1 1]	Sinow (I_s) Seismic (I_E) Live Loads: Roof (live & snow)	CS-1 CODE SUMMARY	
Code Enforcement Jurisdiction: City Wilson County State	¹ Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4. ² The maximum height of air traffic control towers must comply with Table 412.3.1.		Collateral Mezzanine	<u>BUILDING</u>	
CONTACT: Robert Bartlett	³ The maximum height of open parking garages must comply with Table 406.5.4.	ENERGY SUMMARY EXISTING	Floor Ground Snow Load:	B-1 EXISTING CONDITIONS / LIFE SAFETY /	
DESIGNER FIRM NAME LICENSE# TELEPHONE# E-MAIL	FIRE RESISTANCE RATINGS EXISTING BUILDING	ENERGY REQUIREMENTS: The following data shall be considered minimum and any special attribute required to meet	Wind Loads: Ultimate Wind Speed (ASCE-7) Exposure Category	PROPOSED FLOOR PLAN	
Building Bartlett Engineering & Surveying, PC Robert S. Bartlett 20106 252.399.0704 robert@bartletteng.com Civil		- la la la la campana de la ca	SEISMIC CATEGORY	B-2 SECTION & NOTES	mer:
Electrical Bartlett Engineering & Surveying, PC Robert S. Bartlett 20106 252.399.0704 robert@bartletteng.com Fire Alarm	BUILDING ELEMENT FIRE SEPARATION DISTANCE FEET) SHEET # FOR RATED SHEET # SHEET # FOR RATED SHEET # SHEET # FOR RATED SHEET # SHE	energy cost for the standard reference design vs annual energy cost for the proposed design. (The remainder of this	Provide the following Seismic Design Parameters: Risk Category (Table 1604.5)	MECHANICAL MECHANICAL	Š
Plumbing Mechanical Bartlett Engineering & Surveying, PC Robert S. Bartlett 20106 252.399.0704 robert@bartletteng.com	girders, trusses	Existing building envelope complies with code: NO YES section is not applicable) Exempt Building: NO YES (Provide code or statutory reference):	Spectral Response Acceleration S _s %g S ₁ %g Site Classification (ASCE-7)	WECHANICAL	
Sprinkler-Standpipe	Bearing walls Exterior North	Climate Zone : 3A 4A 5A Method of Compliance : Energy Code Prescriptive Performance	Data source: Field Test Presumptive Historical Data Basic Structural System: (check one)	M-1 MECHANICAL PLAN	
Struct Metal Bldg. Struct Framing	East West	ASHRAE 90.1 Prescriptive Performance THERMAL ENVELOPE: (Prescriptive method only	□ Bearing Wall □ Dual W/ Special Moment Frame □ Building Frame □ Dual W/ Intermediate R/C or Special Steel	<u>ELECTRICAL</u>	
Structural - Fnd.	South Interior	Roof/Ceiling Assembly (each assembly)	Moment Frame ☐ Inverted Pendulum Analysis Procedure: ☐ Simplified ☐ Equivalent Lateral Force ☐ Dynamic	E-1 ELECTRICAL - LIGHTING PLAN	ІІШ ́
2018 NC BUILDING CODE: New Building Addition Renovation	Nonbearing walls and partitions Exterior North		Architectural, Mechanical, Components Anchored?		▋▋▗┛╏
☐ 1st Time Interior Completion ☐ Shell/Core completion only - (Contact the local inspection jurisdiction for possible additional procedures and requirements.)	East West	- - -	LATERAL DESIGN CONTROL: Earthquake Wind SOIL BEARING CAPACITIES:	E-2 ELECTRICAL - POWER PLAN & FIRE ALARM PLAN	
Phased Construction - (Contact the local inspection jurisdiction for possible additional procedures and requirements.) 2018 NC EXISTING BUILDING CODE:	South Interior walls and partitions	Description of Assembly	Field Test (provide copy of test report) psf Presumptive Bearing Capacity psf		
Prescriptive Compliance : Repairs Additions Additions Change of occupancy Historic	Floor Construction including supporting beams and joists	R-value of Insulation	Pile Size, Type, and Capacity		
Work Area Compliance : Alteration Level I Alteration Level II Alteration Level II Additions Repairs Historic Change of Use Performance Compliance : Repairs Additions Change of occupancy Historic	Floor Ceiling assembly Columns Supporting Floor Roof Construction	Skylights in each assembly	MECHANICAL SUMMARY SEE MECHANICAL SHEETS		
CONSTRUCTED: (date) CURRENT USE(s) (Ch. 3) STORAGE / BUSINESS	including supporting beams and joists Roof Ceiling assembly	U-Value of skylight Total square footage of skylights in each assembly	MECHANICAL SYSTEMS SERVICE SYSTEMS AND EQUIPMENT:		
RENOVATED: (date) PROPOSED USE(s) (Ch. 3)STORAGE / BUSINESS RISK CATEGORY: (Table 1604.5) Current:	Columns Supporting Roof Shafts Enclosures - Exit	Exterior Walls (each assembly)	Thermal Zone Winter dry bulb		
Proposed: I III III IV	Shafts Enclosures - Other Corridor Separation Occupancy/Fire Barrier Separation	1	Summer dry bulb Interior Design Conditions		
	Party/Fire Wall Separation Smoke Barrier Separation	Description of Assembly	Winter dry bulb Summer dry bulb		
BASIC BUILDING DATA Construction Type:	Smoke Partition Tenant/Dwelling Unit/Sleeping Unit Separation	U-value of Total Assembly	Relative humidity		111
Construction Type:	Incidental Use Separation *Indicates section number permitting reduction.	R-value of Insulation Openings (windows or doors with glazing)	Building Heating Load		
Standpipes: NO YES Class: I III Wet Dry	PERCENTAGE OF WALL OPENING CALCULATIONS EXISTING BUILDING	U-Value of assembly Solar heat gain coefficient:	Mechanical Spacing Conditioning System Unitary		
Fire District: NO YES Flood Hazard Area: No YES Special Inspections Required: NO YES (Contact the local inspection jurisdiction for possible additional procedures and requirements.)	FIRE SEPARATION DISTANCE DEGREE OF OPENINGS ALLOWABLE AREA (FEET) FROM PROPERTY LINES PROTECTION (TABLE 705.8) (%) (%)	Pojection factor: Door R-Values:	Description of unit Heating efficiency		
GROSS BUILDING AREA: 3,762	(I EET) TROWTROTERTT EINES TROTECTION (TABLE 703.0)	- Walls below grade: (each assembly)	Cooling efficiency Size category of unit		
FLOOR EXISTING (SQ. FT.) NEW (SQ. FT.) SUB-TOTAL 6th Floor	-		Boiler Size category. If oversized, state reason.		
5th Floor 4th Floor		Description of Assembly	Chiller Size category. If oversized, state reason. List Equipment Efficiencies		
3th Floor	LIFE SAFETY SYSTEM REQUIREMENTS	U-value of Total Assembly	Equipment Schedules with Motors (mechanical systems) Motor horsepower		
2nd Floor Mezzanine	Emergency Lighting: No Yes	Floors over unconditioned space: (each assembly)	Number of phases Minimum efficiency		
1stFloor 7,285 7,285	Exit Signs:		Motor type# of poles		# # # # # # # # # # # # # # # # # # #
TOTAL: 7,285 7,285	Smoke Detection Systems:	Description of Assembly			
ALLOWABLE AREA		U-value of Total Assembly	ELECTRICAL SUMMARY SEE ELECTRICAL SHEETS ELECTRICAL SYSTEM AND EQUIPMENT:		
Primary Occupancy Classification(s): (check all that apply) Assembly (303)	LIFE SAFETY PLAN REQUIREMENTS	Floors slab on grade Description of Assembly	Method of Compliance : Energy Code Prescriptive Performance ASHRAE 90.1 Prescriptive Performance		
Business (304) Educational (305)	Life Safety Plan Sheet #:LS-1 Fire and/or smoke rated wall locations (Chapter 7)	U-value of Total Assembly	Lighting Schedule (each fixture type) Lamp type required in fixture		
Factory (306)	Assumed and real property line locations (if not on the site plan) Exterior wall opening area with respect to distance to assumed property lines (705.8)	R-value of Insulation Horizontal/vertical requirement	Number of lamps in fixture		
Institutional (308)	Existing structures within 30' of the proposed building Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)	Slab heated	Ballast type used in fixture Number of ballasts in fixture		ption
Mercantile (309)	 ✓ Occupant loads for each area ✓ Exit access travel distances (1017) 		Total wattage per fixture Total interior wattage specified -vs- allowed		SCri
Residential (310)	Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))		Total exterior wattage specified -vs- allowed Additional Prescriptive Compliance		De
☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage Utility and Misc. (312) ☐	☐ Dead end lengths (1020.4) ☐ Clear exit widths for each exit door		C406.2 More Efficient HVAC Equipment Performance		<u></u>
Accessory Occupancy Classification(s):	 ✓ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3) ✓ Actual occupant load for each exit door 		C406.4 Enhanced Digital Lighting Controls		Dat
Special Uses: (Chapter 4 - List Code Sections) Special Provisions: (Chapter 5 - List Code Sections)	A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation Location of doors with panic hardware (1010.1.10)		C406.5 On-Site Renewable Energy C406.6 Dedicated Outdoor Air System		
Mixed Occupancy: NO YES Separation: Hour Exception:	Location of doors with delayed egress locks and the amount of delay (1010.1.9.7) Location of doors with electromagnetic egress locks (1010.1.9.9)	I	C406.7 Reduced Energy Use in Service Water Heating		Rev
Non-Separated Mixed Occupancy (508.3) - 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	Location of doors equipped with hold-open devices Location of emergency escape windows (1030)	VICINI	TY MAP		
restrictive type of construction, so determined, shall apply to the entire building. Separated Use (508.4) - See below for area calculations for each story, the area of the	The square footage of each fire area (202) The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)	VICIIN	1 1 1 V I/~\1		11
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.	The square footage of each smoke compartment for Occupancy Classification 1-2 (407.5) Note any code exceptions or table notes that may have been utilized regarding the items above		W. D. Cont.		
$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} = \le 1.0$	ACCESSIBLE DWELLING UNITS (SECTION 1107)	BMG Metals Codolf EB Jordan Community	Degesch America, Inc		
+ =	(SECTION 1107) TOTAL ACCESSIBLE ACCESSIBLE TYPE A TYPE B TYPE B TOTAL LINES LINES LINES LINES ACCESSIBLE LINES	Conton Dr NE	Madam Bogart Carolina Motorsports Car dealer		
	UNITS PROVIDED PROVIDED N/A	Wilson Housing Tri City Insulation&	Build Prod		
STORY DESCRIPTION and USE BLDG AREA PER TABLE 506.24 AREA FOR FRONTAGE ALLOWABLE AREA PER	ACCESSIDI E DADVINO	Wilson Housing Water Gua	Los Tres Huastecos Takeout Cut'em Down Waterfowl Sporting goods store		
NO. DESCRIPTION and USE STORY (ACTUAL) AREA INCREASE ^{1,5} STORY OR UNLIMITED ^{2,5}	(SECTION 1106)	Authority Herring Ave E	Noland Rd E Noland Rd E		
1 S-1 Primary Occupancy (Existing) 7,284 9,000	LOT OR PARKING AREA DESIGNATION REQUIRED PROVIDED REGULAR WITH 132" ACCESS 8" ACCESS BLE SPACES PROVIDED ACCESSIBLE SPACES PROVIDED STACCESS AISLE AISLE AISLE SPACES PROVIDED SPACES PROVIDED	Handy Mart 🖫 🐯	Nois-		
	5' ACCESS AISLE AISLE AISLE SPACES PROVIDED	Wilson Operations Center	(2) Whitley Rd		
¹ Frontage space area increases from Section 506.3 are computed thus:	TOTAL				▮
a. Perimeter which fronts a public way or open space having 20 feet minimum width = (F) b. Total Building Perimeter = (P) c. Ratio (F/P) = (F/P)	PLUMBING FIXTURE REQUIREMENTS EXISTING BUILDING	Total Control of the	Recycling a light		
c. Ratio (F/P) =	(TABLE 2902.1) WATER CLOSETS USE USE WATER CLOSETS URINALS URINALS WATER CLOSETS WATE	Wilson Hillities			
² Unlimited area applicable under conditions of Sections (507) ³ Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).	MALE FEMALE UNISEX ONIVALS MALE FEMALE UNISEX SINK REGULAR ACCESSIBLE EXISTING	Wilson Utilities Department Electric	PROJECT SITE		
⁴ The maximum area of open parking garages must comply with Table 406.5.4.	NEW REQUIRED	1927	Ryder Truck Rental		11
⁵ Frontage increase is based on the unsprinklered area value in Table 506.2.					<u></u>
BUILDING & LEAD DESIGN PROFESSIONAL SITE CIVIL	STRUCTU	RAL	MECH ELEC PLUMB	PLANNING	heet
					<u>ө</u>
BARTLETT				BARTLETT	
ENGINEERING & SURVEYING, PC				NGINEERING & SURVEYING, PC	Draw
1906 Nash Street North V (252) 399-0704 Wilcon NC 37893 1726 F (252) 399-0804				906 Nash Street North V (252) 399-0704 Vilson, NC 27893-1726 F (252) 399-0804	Drawr Issue Projec
Wilson, NC 27893-1726 F (252) 399-0804 License # C-1551 www.bartletteng.com			V	Vilson, NC 27893-1726 F (252) 399-0804 cense # C-1551 www.bartletteng.com	Proje







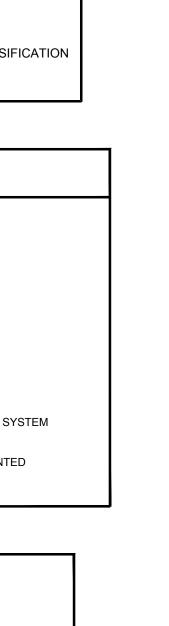
	ROOM FINISH SCHEDULE							
FLOOR BASE W					WALLS	ALLS		
1 EXISTING		Α	4" RUBBER COVE 1 PAINTED BLOCK		А	2x2 LAY-IN CEILING		
NOTES: 1. ALL FINISHES TO BE AS SPECIFIED, UNLESS OTHERWISE NOTED. 2. ALL COLORS OF PAINT, FINISHES, TILES, AND TILE DESIGNS TO BE SELECTED BY OWNER.								

LEGEND					
SYMBOL DESCRIPTION					
FE	EXISTING ABC TYPE FIRE EXTINGUISHER				
0	ROUTE OF EXIT ACCESS TRAVEL DISTANCE				
*	EXISTING COMBINATION EXIT AND EMERGENCY LIGHT				
\otimes	EXISTING EMERGENCY EXIT LIGHT				
EM1	EXISTING REMOTE EMERGENCY EGRESS LIGHT POWERED BY INTERIOR EMERGENCY LIGHT BATTERY PACK, SUITABLE FOR WET/DAMP LOCATION				

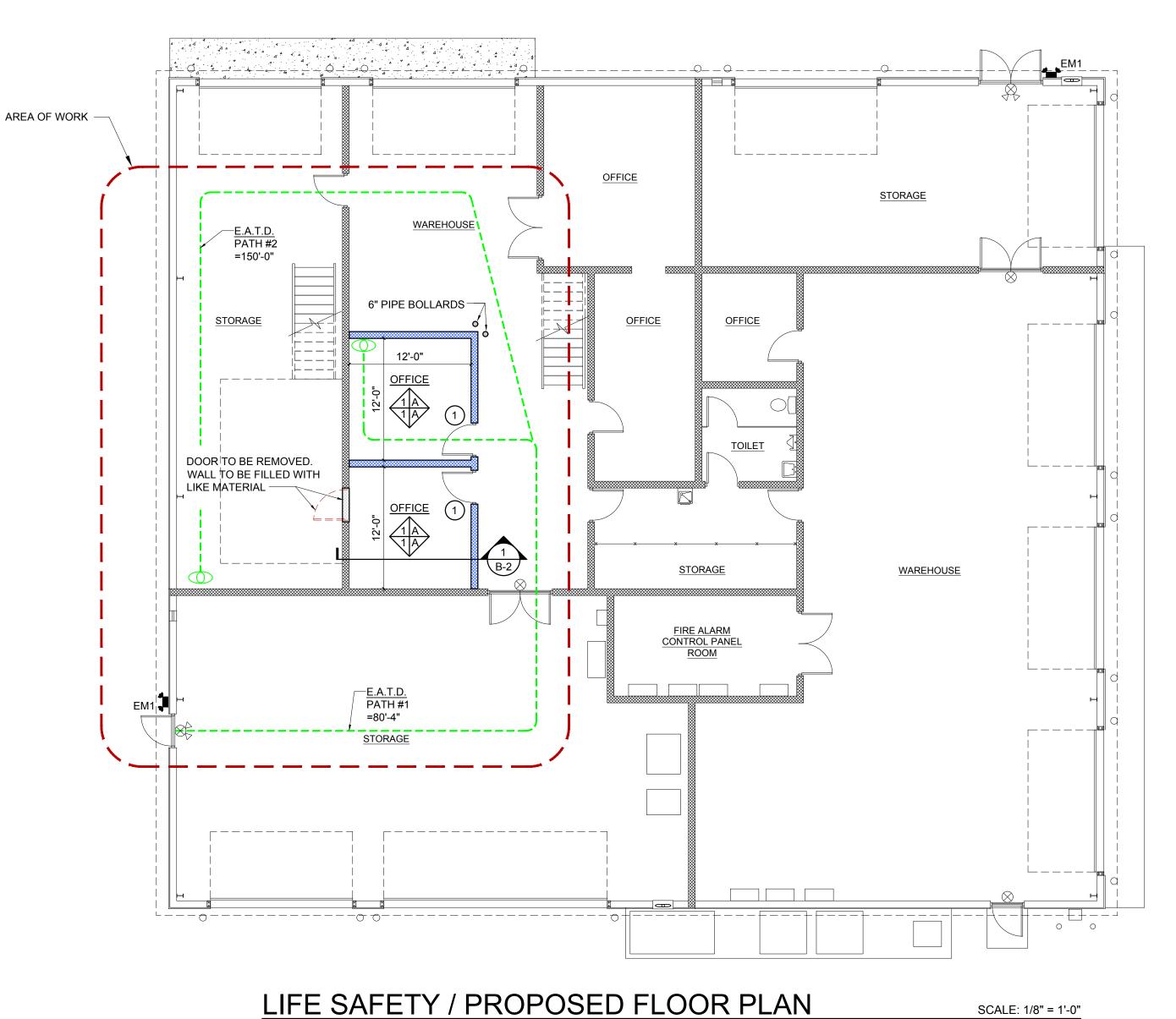
LIFE SAFETY NOTES: PRIMARY OCCUPANCY FOR BLDG. 500 IS S-1 TWO PROPOSED OFFICES = B OCCUPANCY @ 320 SQ. FT. OCCUPANT LOAD IS EXISTING MAXIMUM EXIT ACCESS TRAVEL DISTANCE FOR S-1 CLASSIFICATION IS 200FT (WITHOUT SPRINKLER SYSTEM) PER 2018 NCBC TABLE 1017.2

GENERAL NOTES INTERIOR FINISHES: COLOR:EXISTING BASE: ROPPE 700 SERIES OR EQUAL COLOR: SELECTION BY OWNER WALLS: CMU BLOCK WALLS TO MATCH EXISTING MORTAR TO MATCH BLOCK COLOR 1 COAT SEALER w/ BLOCK FILLER 2 COATS LATEX, EGGSHELL FINISH PAINT - BENJAMIN MOORE OR EQUAL COLOR: SELECTION BY OWNER CEILING: ARMSTRONG ACOUSTICAL LAY-IN TILE WITH 15/16" GRID SYSTEM OFFICE DOORS: HOLLOW METAL DOORS & FRAMES, PRIMED & PAINTED "BENJAMIN MOORE" SEMI-GLOSS COLOR: SELECTION BY OWNER

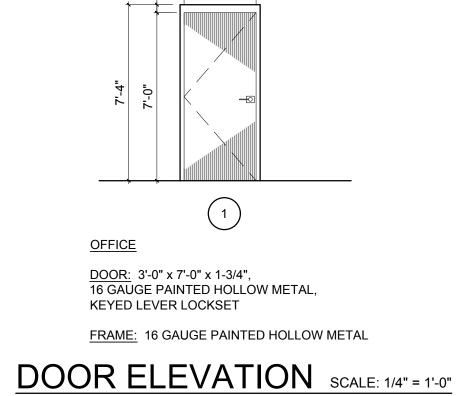
DOOR HARDWARE AND NOTES						
ALL HARDWARE TO HAVE "BRUSHED NICKLE"FINISH						
LOCKSET:	"YALE" 4600LN, GRADE 2 LOCKSET OR EQUAL					
DOOR HINGE:	BALL BEARING HINGES WITH 32D FINISH OR EQUAL					
NOTE: MANUFACTURER SHALL SUPPLY MASTER KEY TO FIT ALL DOORS						



VERIFY KEYING SCHEMES WITH OWNER

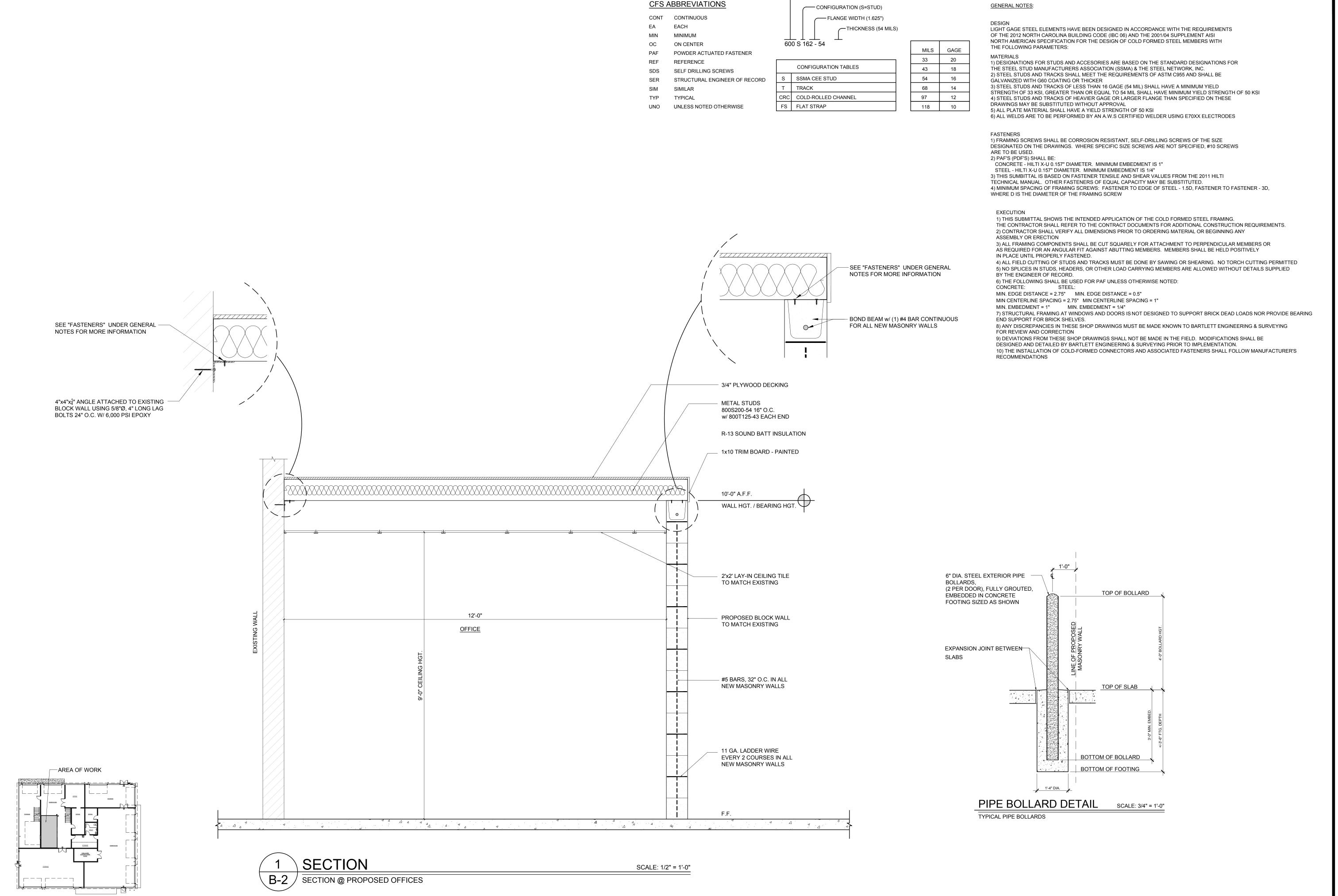






TOTAL = 7,284 SQ. FT. / AREA OF WORK = 320 SQ. FT.

11-09-21 Issue Date: Project Number: 21-179 Sheet: B-1



KEY PLAN

——DEPTH (6")

of Wilson Operations Cente Bldg. 500 1800 Herring Ave. Wilson, NC 27894

ENGINEERING & SURVEYING, PC

1906 Nash Street North
Wilson, NC 27893-1726
F (252) 399-0704

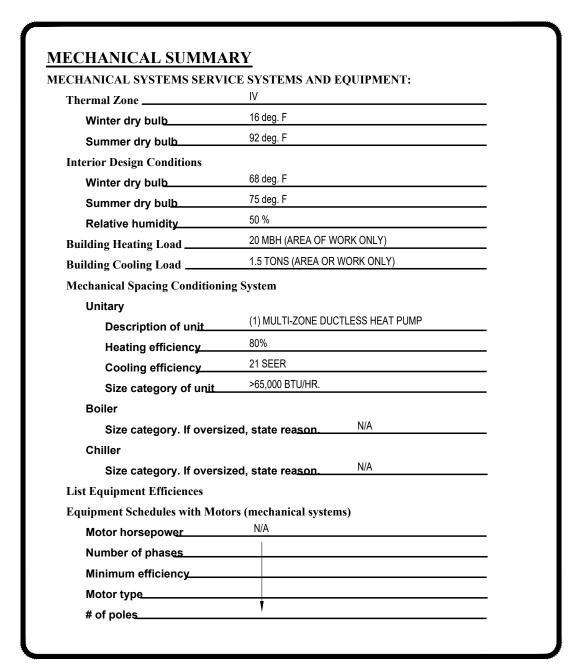
SEAL 20106 NGINEER S. BARMINING

Rev: Date: Description:

Vilson Operations Center Bldg. 500

wn by: M. Winsteadue Date: 11-09-21

Project Number: 21-179
Sheet: B-2



OUTSIDE AIR SUMMARY Per Table 402 Natural Ventilation NC Mechanical Code

OUTSIDE AIR REQUIRED:

NATURAL VENTILATION

1150 SQ. FT. (TOTAL AREA VENTILATED) X 4% OF FLOOR AREA

46 SQ. FT.

46 SQ. FT.

98 SQ. FT.

TOTAL OPEN AREA REQUIRED= TOTAL OUTSIDE AIR PROVIDED=

EQUIPMENT SCHEDULE

DUCTLESS HEAT PUMP SCHEDULE

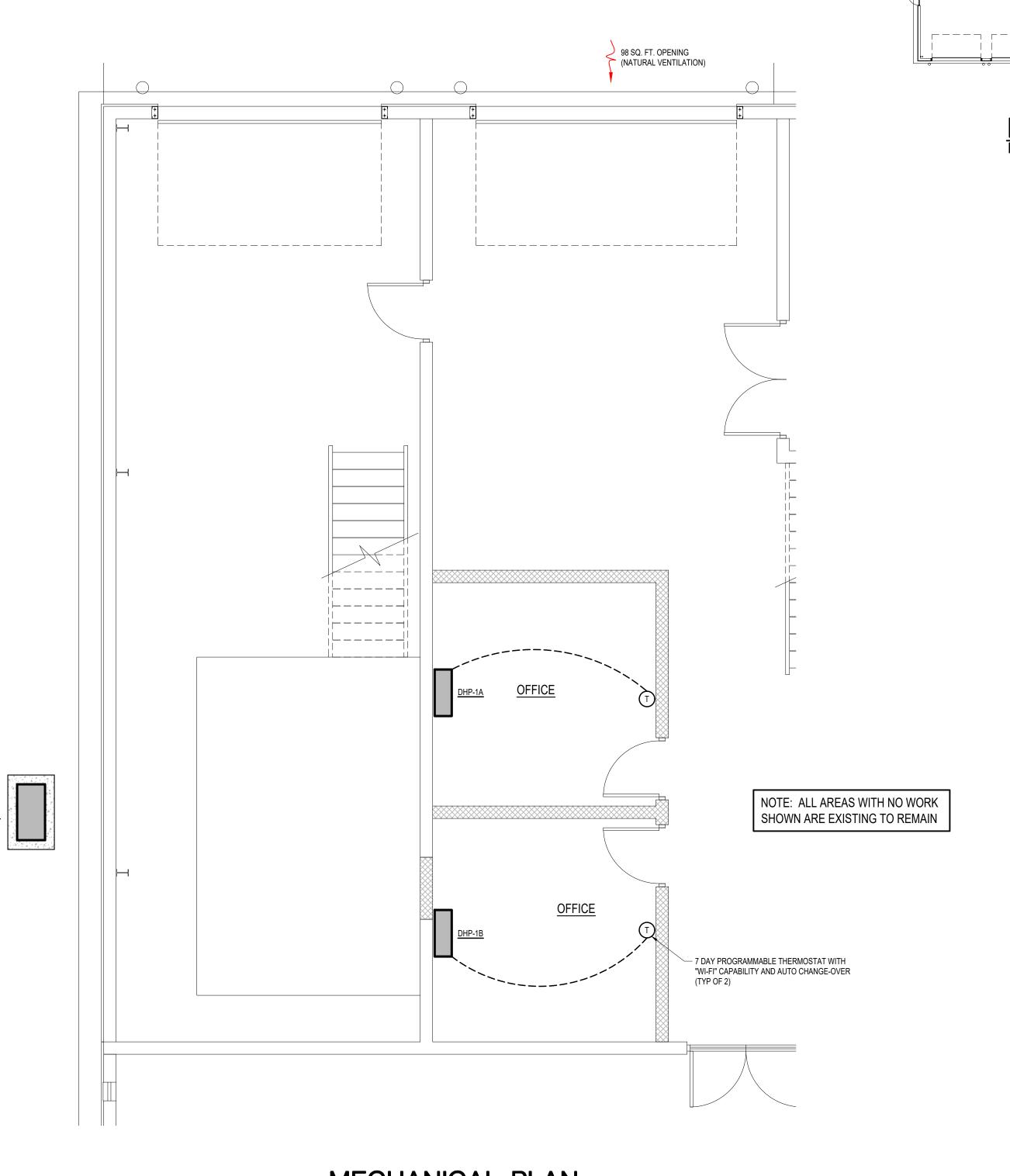
TRANE (OR EQUAL) - MULTI-ZONE INDOOR UNIT 1A - NTXWPH09 (NOM 3/4 TONS) INDOOR UNIT 1B - NTXWPH09 (NOM 3/4 TONS) OUTDOOR UNIT - NTXSPB18 (NOM 1.5 TONS) COOL CAP. - 17,200 BTU/HR. MAX HEAT CAP. - 20,300 BTU/HR. MAX

MCA 16 MOCP 25 21 SEER

1. PROVIDE & INSTALL 1" CONDENSATE LINE FROM INDOOR UNIT TO 2" CONDENSATE MAIN AND TERMINATE ONTO EXTERIOR CONCRETE SPLASH BLOCK 2. VERIFY & MAINTAIN MIN. CLEARANCES ,MAXIMUM LENGTH AND HEIGHT DISTANCES WITH MANUFACTURER PRIOR TO CONSTRUCTION. INSTALL

PER MANUFACTURER'S INSTRUCTIONS. 3. PROVIDE AND INSTALL ROUGH-IN BOX FOR WALL MOUNTED DUCTLESS HEAT PUMP. ROUGH-IN BOX SHALL BE FIRE RATED AS REQUIRED. VERIFY EXISTING WALL CONDITIONS AT SITE PRIOR TO CONSTRUCTION 4. BOTTOM OF WALL MOUNTED INDOOR UNIT TO BE 8 FT. ± 5. PROVIDE & INSTALL WIRED THERMOSTATS FOR DUCTLESS HEAT PUMP.

6. VERIFY ALL MODEL NUMBERS WITH TRANE FOR MULTI-ZONE COMPATIBILITY



MECHANICAL PLAN
SCALE: 1/4" = 1-0"

GENERAL MECHANICAL NOTE:

1. ALL WORK SHALL BE IN COMPLIANCE WITH LOCAL, STATE, AND NATIONAL CODES.

AREA OF WORK-

Drawn by:

Issue Date: 11-09-21 Project Number: 21-179

ELECTRICAL LEGEND								
MARK	DESCRIPTION	MARK	DESCRIPTION					
	"LED" LIGHT FIXTURE	- U	FUSED DISCONNECT SWITCH					
\$0	PASSIVE DUAL TECHNOLOGY OCCUPANCY WALL SENSOR SWITCH	₹ ⁷	SWITCHED BRANCH CIRCUIT					
Ф			UNSWITCHED BRANCH CIRCUIT					
∯ GFCI	GFCI "GFCI" DUPLEX RECEPTACLE		HOMERUN					
ф wр	"GFCI" DUPLEX RECEPTACLE IN WEATHER-PROOF COVER	4	VOICE/DATA 1" CONDUIT TO ABV. CEILING					

LIGHT FIXTURE SCHEDULE							
SYMBOL	MANUFACTURER	DESCRIPTION		LAMP	MOUNTING		
			NO.	WATTS	TYPE		
0	EELP OR EQUAL	VersaLED 2X4 LED LIGHTING PANEL WITH ACRYLIC LENS. 120V 4,652 LUMENS, 4,000K COLOR TEMP.	-	50	LED'S	LAY-IN	
<u> </u>	OR EQUAL	4,652 LUMENS, 4,000K COLOR TEMP.		30			

NOTES:

NOTE (1) - FIXTURES SHALL HAVE DISCONNECTING MEANS MEETING THE REQUIREMENTS OF NEC ARTICLE 410.130(G).

NOTE (2) - COORDINATE ALL FIXTURE REQUIREMENTS, COLOR TEMP, CRI (COLOR RENDERING INDEX) ETC. WITH OWNER PRIOR TO INSTALLATION.

NOTE (3) - SHIFT LOCATIONS OF FIXTURES IN MECHANICAL AREAS IF/AS REQUIRED TO BEST LIGHT SPACES & AVOID CONFLICTS WITH DUCTS, PIPING, ETC.

NOTE (4) - PROVIDE CHANNEL SUPPORTS WITH HANGER RODS, ETC. WHERE NECESSARY TO SUSPEND FIXTURES BENEATH DUCTWORK, PIPING, ETC.

LIGHTING DATA FOR N.C. ENERGY CODE (AREA OF WORK ONLY)						
AREA USE SQ. FT.		WATTS PER SQ.FT. ALLOWED	TOTAL WATTS ALLOWED	TOTAL WATTS USED	TOTAL WATTS LEFT OVER	
OFFICE	288	0.89	256.3	200	56.3	

TABLE "A"

WORKING CLEARANCES

WHERE THE "CONDITIONS" ARE AS FOLLOWS:

1. EXPOSED LIVE PARTS ON ONE SIDE AND NO LIVE OR GROUNDED PARTS ON THE

OTHER SIDE OF THE WORKING SPACE, OR EXPOSED LIVE PARTS ON BOTH SIDES

EFFECTIVELY GUARDED BY SUITABLE WOOD OR OTHER INSULATING MATERIALS.

INSULATED WIRE OR INSULATED BUSBARS OPERATING AT NOT OVER 300 VOLTS

2. EXPOSED LIVE PARTS ON ONE SIDE AND GROUNDED PARTS ON THE OTHER SIDE.

3. EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORK SPACE (NOT GUARDED AS

1. THIS FIGURE ILLUSTRATES THE WORKING SPACE IN

FRONT OF ELECTRICAL EQUIPMENT REQUIRED BY

2. THIS INCLUDES BUT IS NOT LIMITED TO PANELBOARDS,

AND OTHER ELECTRICAL EQUIPMENT.

SAFETY SWITCHES, MOTOR STARTERS, JUNCTION BOXES

PROVIDED IN CONDITION 1) WITH THE OPERATOR BETWEEN.

NEC SECTION 110-26.

(MINIMUM CLEAR DISTANCE)

3 1/2'

6 1/2' MINIMUM OR HEIGHT OF EQUIPMENT

ALL ELECTRIC EQUIPMENT

VOLTAGE TO GROUND | CONDITION: 1

(NOMINAL) 0-150

151-600

SHALL NOT BE CONSIDERED LIVE PARTS.

GENERAL ELECTRICAL NOTES:

- WORK SHALL COMPLY WITH NATIONAL ELECTRICAL CODE (NEC) STATE BUILDING CODE, AND ALL REQUIREMENTS OF THE LOCAL INSPECTOR. ALL WORK SHALL BE BY LICENSED ELECTRICAL CONTRACTOR.
- 2. ALL BRANCH CIRCUITS SHALL BE E.M.T., RIGID CONDUIT OR MC CABLE AS PERMITTED OR REQUIRED. RIGID CONDUIT SHALL BE USED FOR CIRCUITS UNDER SLAB ON GRADE, OR WHERE APPROVED SCHEDULE 80 PVC MAY BE USED. EXPOSED CONDUIT SHALL BE PAINTED PER OWNER'S DIRECTION.
- 3. ALL NEW CONDUCTORS SHALL BE COPPER.
- 4. ALL EQUIPMENT LOADS SHALL BE VERIFIED BEFORE EQUIPMENT AND/OR CIRCUIT INSTALLATION. VERIFY LOCATION OF NEW RECEPTACLES WITH OWNER PRIOR TO INSTALLATION
- 5. PROVIDE GREEN GROUNDING CONDUCTOR CONTINUOUS FROM DEVICE TO PANEL GROUND BAR.
- 6. EMT FITTINGS SHALL BE HEXAGONAL ALL STEEL, COMPRESSION TYPE.
- 7. NEW RECEPTACLES AND SWITCHES SHALL BE COMMERCIAL GRADE BRYANT, SIERRA, LEVITON BRAND EXCEPT AS SPECIFIED.
- 8. NEW WALL OUTLET BOXES SHALL BE STEEL CITY OR RACO WITH PLATES.

- STRUCTURAL

- SUSPENDED

CEILING

LIGHT FIXTURE

EQUIPMENT

- EXCLUSIVELY
DEDICATED SPACE

30" OR WIDTH OF EQUIPMENT IF EQUIPMENT IS WIDER THAN 30"

DOES NOT HAVE TO BE CENTERED ON THE EQUIPMENT BUT AT

LEAST EVEN WITH ONE EDGE. EQUIPMENT DOOR SHALL BE

PLANE OF FRONT

EDGE OF ELECTRIC EQUIPMENT

- 9. ALL CIRCUITS SHALL BE TESTED WITH 500 VOLT TESTER PRIOR TO ENERGIZING.
- 10. ELECTRICAL CONTRACTOR SHALL CONNECT TO TERMINALS OF MECHANICAL EQUIPMENT AND EQUIPMENT SUPPLIED BY OWNER
- 11. MOUNTING HEIGHTS FOR NEW SWITCHES & RECEPTACLES TO BE ADA COMPLIANT PER ANSI A117.1
- 12. FIRE STOP ALL PENETRATIONS THRU RATED WALLS. VERIFY EXISTING CONDITIONS AT SITE PRIOR TO CONSTRUCTION.

DEDICATED SPACE CONTINUES

THROUGH SUSPENDED CEILING TO 6'
ABOVE ELECTRICAL EQUIPMENT OR

IS LOWER.

➤ EXCLUSIVELY

DEDICATED SPACE

DEDICATED SPACE

ELECTRICAL EQUIPMENT OR ARCHITECTURAL APPURTENANCES

THIS FIGURE ILLUSTRATES THE ADDITIONAL EXCLUSIVELY DEDICATED SPACE REQUIRED OVER AND UNDER PANELBOARDS FOR CABLES, RACEWAYS, ETC. TO

2. NO PIPING, DUCTWORK OR EQUIPMENT FOREIGN TO THE

SHALL BE PERMITTED TO BE INSTALLED IN, ENTER OR

PASS THROUGH THE DEDICATED SPACES SHOWN. FOR

AND FROM PANELBOARDS REQUIRED BY NEC

EXCEPTIONS SEE NEC SECTION 110-26f.

SECTION 110-26.

PANELBOARD

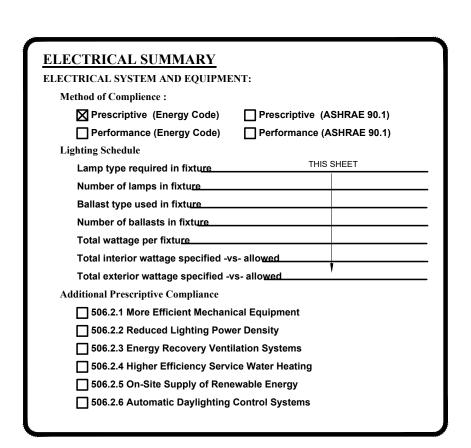
STRUCTURAL CEILING, WHICHEVER

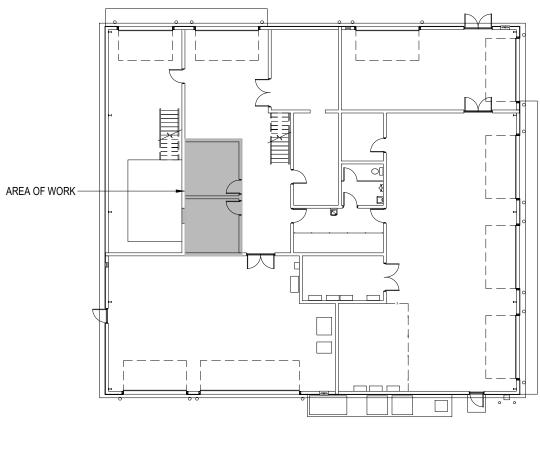
- STRUCTURAL

CEILING

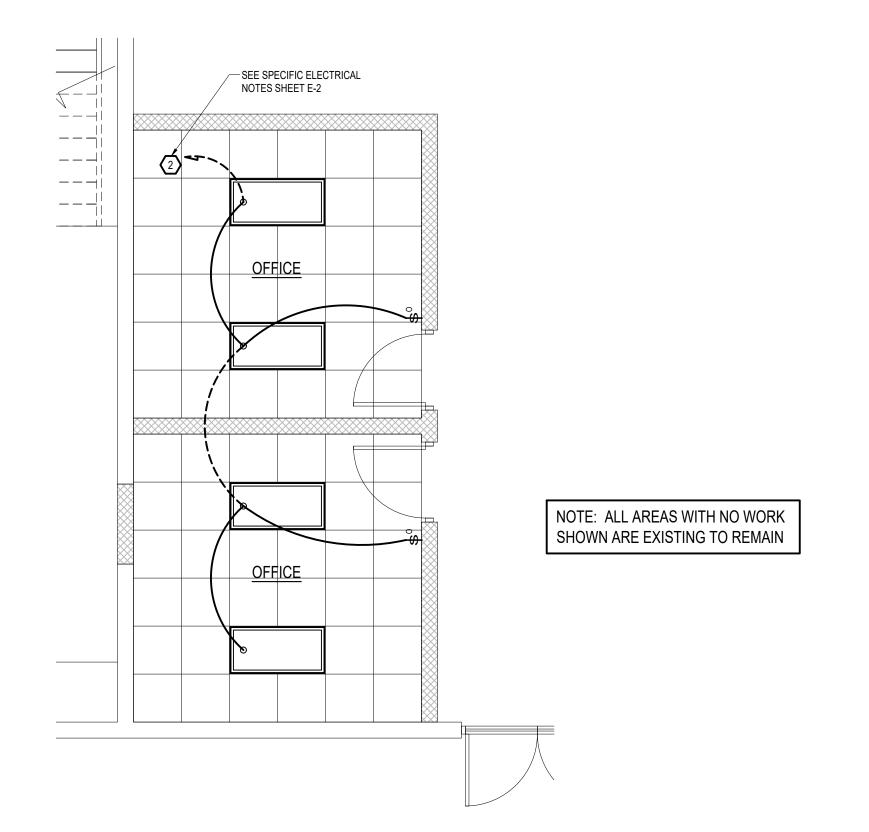
- SUSPENDED

CEILING





KEY PLA



ELECTRICAL - LIGHTING PLAN
SCALE: 1/4" = 1-0"

DEDICATED WORKING SPACE REQUIREMENTS NO SCALE

ABLE TO OPEN AT LEAST 90°.

GENERAL DEMO NOTE:

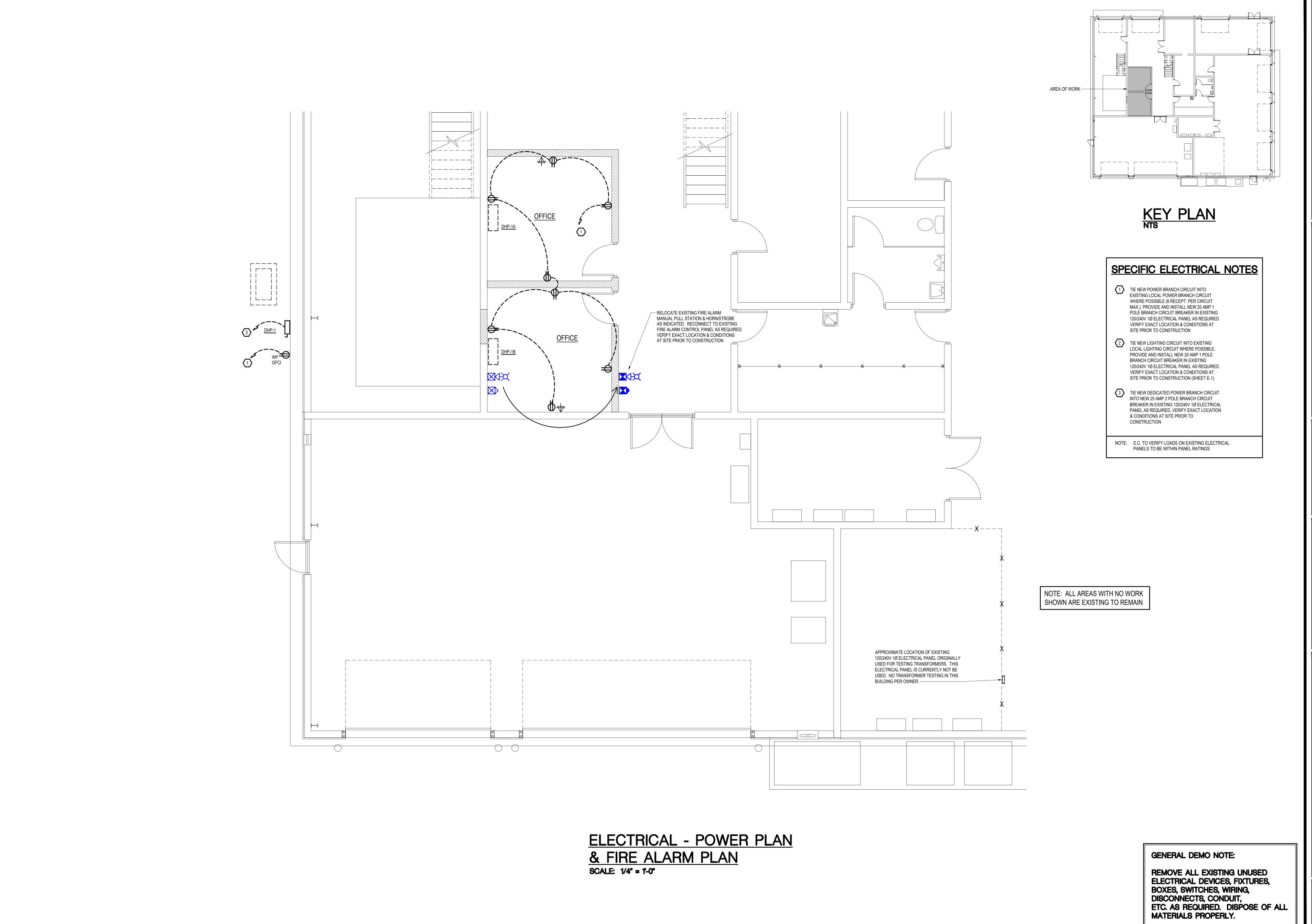
REMOVE ALL EXISTING UNUSED ELECTRICAL DEVICES, FIXTURES, BOXES, SWITCHES, WIRING, DISCONNECTS, CONDUIT, ETC. AS REQUIRED. DISPOSE OF ALL MATERIALS PROPERLY.

Title Sheet:

Project:

City of Wils
1800 Herrir

Drawn by: JLT
Issue Date: 11-09-21
Project Number: 21-179
Sheet:



Drawn by: 11-09-21 Issue Date: Project Number: 21-179 **E-2**