Office Alteration for:

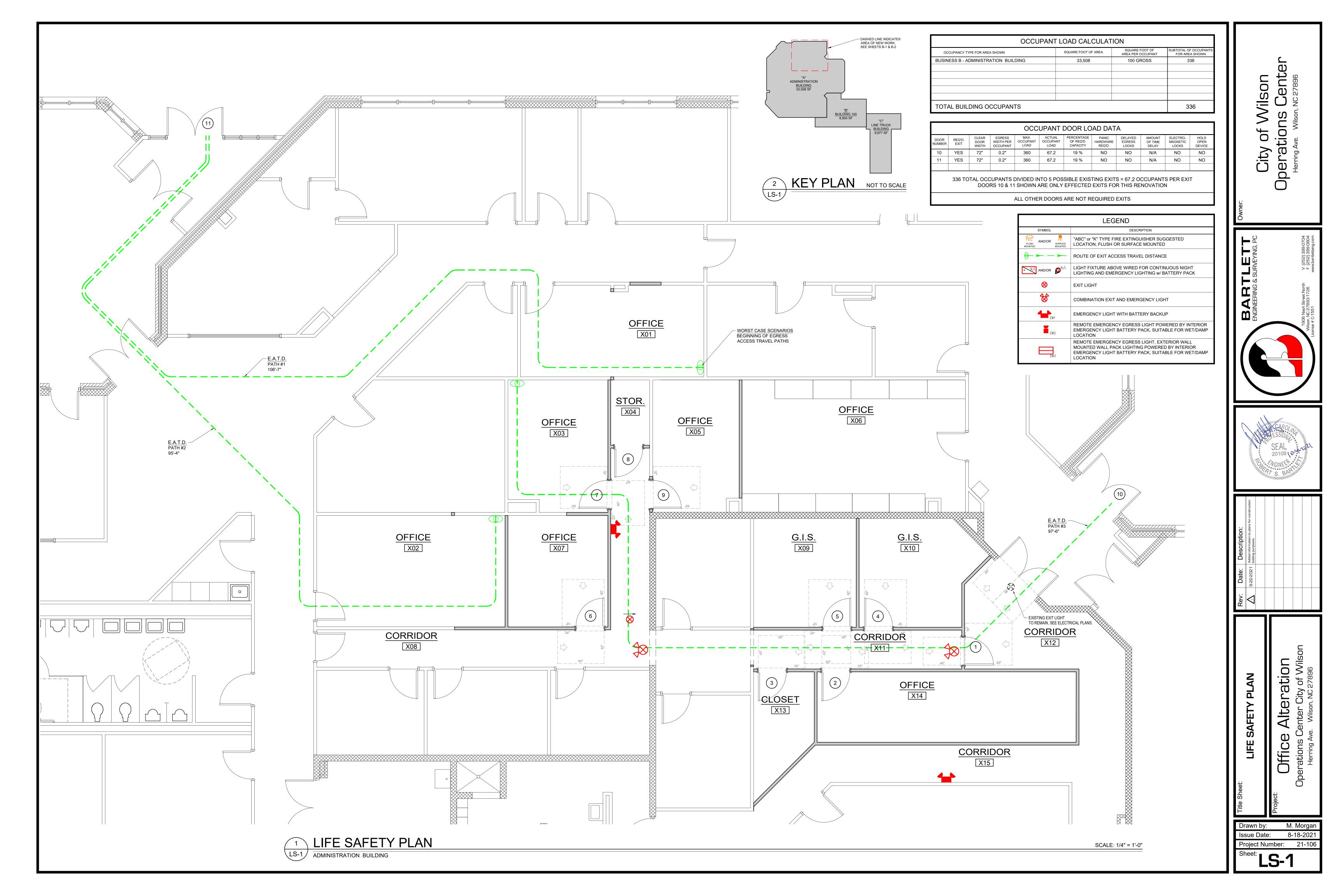
City of Wilson Operations Center

Herring Avenue Wilson, NC 27896

2018	APPENDIX B BUILDING CODE	SHEET INDEX				
Name of Project: Office Alteration for City of Wilson Operations Center Address: Herring Avenue Wilson, NC Robert Bartlett, PE Owner or Authorized Agent: Bartlett Engineering & Surveying Owned By: City / County Private Zip Code: 27896 E-Mail: robert@bartletteng.com	ALLOWABLE HEIGHT ALLOWABLE SHOWN ON PLANS CODE REFERENCE Building Height in Feet (Table 504.3) ² 55' <16' Building Height in Stories (Table 504.4) ³ 3 1	SPECIAL APPROVALS Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc., describe below)		COVER CS-1 CODE SUMMARY INDEX SHEET	MECHANICAL M-1 MECHANICAL PLAN	
Owned By: City / County	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. ³ The maximum height of open parking garages must comply with Table 406.5.4. FIRE RESISTANCE RATINGS	N/A EXISTING BUILDING ENERGY SUMMARY ENERGY REQUIREMENTS: 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. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design. Existing building envelope complies with code: NO YES (Provide code or statutory reference): Climate Zone: ASH □ 5A Method of Compliance: Energy Code □ Prescriptive □ Performance ASHRAE 90.1 □ Prescriptive □ Performance THERMAL ENVELOPE: (Prescriptive method only Roof/Ceiling Assembly (each assembly) Description of Assembly □ U-value of Total Assembly □ R-value of Insulation □ Skylights in each assembly □	Live Loads: Roof (live & snow) Collateral Attic (Mechanical platform) Floor Ground Snow Load: Wind Loads: Ultimate Wind Speed Exposure Category SEISMIC CATEGORY	INDEX SHEET KEY PLAN LIFE SAFETY PLAN LS-1 LIFE SAFETY PLAN BUILDING B-1 FLOOR PLAN - EXISTING CONDITIONS	M-2 MECHANICAL SCHEDULES & DETAILS ELECTRICAL E-1 ELECTRICAL LIGHTING PLAN E-2 ELECTRICAL POWER PLAN E-3 ELECTRICAL SCHEDULES & NOTES	Owner:
RENOVATED: (date)	Roof Construction including supporting beams and joists Roof Ceiling assembly Columns Supporting Roof Shafts Enclosures - Exit Shafts Enclosures - Other Corridor Separation Occupancy/Fire Barrier Separation Party/Fire Wall Separation Smoke Barrier Separation Smoke Partition Tenant/Dwelling Unit/Sleeping Unit Separation Incidental Use Separation *Indicates section number permitting reduction. PERCENTAGE OF WALL OPENING CALCULATIONS FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES PROTECTION (TABLE 705.8) **Join Unprotected, Non-sprinklered Unlimited N/A	U-Value of skylight Total square footage of skylights in each assembly Exterior Walls (each assembly) Description of Assembly U-value of Total Assembly R-value of Insulation Openings (windows or doors with glazing) U-Value of assembly Solar heat gain coefficient: Pojection factor: Door R-Values: Exterior Walls (each assembly)	MECHANICAL SUMMARY MECHANICAL SUMMARY INFORMATION MECHANICAL SYSTEMS SERVICE SYSTEMS AND EQUIPMENT: Thermal Zone Winter dry bulb Summer dry bulb Interior Design Conditions Winter dry bulb Relative humidity Building Heating Load Building Cooling Load Mechanical Spacing Conditioning System Unitary Description of unit Heating efficiency Cooling efficiency Size category of unit Boiler Size category. If oversized, state reason. Chiller Size category. If oversized, state reason. List Equipment Efficiencies			
Mezzanine 1stFloor 42,358 B + 9,977 F-2 0 52.335 Basement 0 52.335 TOTAL: 42,358 B + 9,977 F-2 0 52.335 ALLOWABLE AREA Primary Occupancy Classification(s): (check all that apply) Assembly (303) □ A-1 □ A-2 □ A-3 □ A-4 □ A-5 Business (304) □ Educational (305) Factory (306) □ F-1 Moderate □ F-2 Low	LIFE SAFETY SYSTEM REQUIREMENTS Emergency Lighting: No Yes Exit Signs: No Yes Fire Alarm: No Yes Automatic Sprinkler System Smoke Detection Systems: No Yes Partial, HVAC UNITS ≥5.0 TONS Carbon Monoxide Detection: No Yes LIFE SAFETY PLAN REQUIREMENTS	Description of Assembly	Equipment Schedules with Motors (mechanical systems) Motor horsepower			
Hazardous (307)	Life Safety Plan Sheet #: LS-1 Fire and/or smoke rated wall locations (Chapter 7) 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) Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2) Occupant loads for each area	Description of Assembly U-value of Total Assembly R-value of Insulation Floors slab on grade Description of Assembly U-value of Total Assembly R-value of Insulation Horizontal/vertical requirement Slab heated	ASHRAE 90.1 Prescriptive Performance Lighting Schedule (each fixture type) Lamp type required in fixture Number of lamps in fixture Ballast type used in fixture Total wattage per fixture Total interior wattage specified -vs- allowed Total exterior wattage specified -vs- allowed Additional Prescriptive Compliance C406.2 More Efficient HVAC Equipment Performance C406.3 Reduced Lighting Power Density C406.4 Enhanced Digital Lighting Controls C406.5 On-Site Renewable Energy C406.6 Dedicated Outdoor Air System C406.7 Reduced Energy Use in Service Water Heating			Rev: Date: Description:
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. Actual Area of Occupancy A	□ Location of emergency escape windows (1030) □ The square footage of each fire area (202) □ The square footage of each smoke compartment for Occupancy Classification I-2 (407.5) □ Note any code exceptions or table notes that may have been utilized regarding the items above ACCESSIBLE DWELLING UNITS	KEY	DASHED LINE INDICATES AREA OF NEW WORK, SEE SHEETS B-1 & B-2			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	UNITS REQUIRED PROVIDED REQUIRED PROVIDED REQUIRED PROVIDED SEXISTING BUILDING Comparking are defined provided are defined provided are defined provided	ADMINISTRATION BUILDING 33,508 SF				heet:
				BUILDING & L	BARTLETT ENGINEERING & SURVEYING, PC	DI Title Sr



Dov.	Date:	Description:
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\triangleleft	9-22-2021	9-22-2021 Added information to plans for construction bidding purposes.





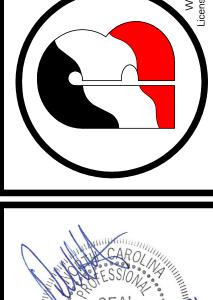
City of Wilson Operations Center

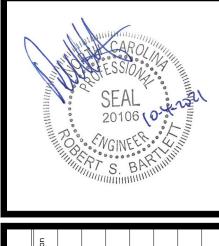
ENGINEERING & SURVEYING, PC

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Rev: Date: Description:

Added information to plans for construction bidding purposes.

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Rev: Date: Diddingle Didding

N - EXISTING CONDITION

ject:

Office Alter

Drawn by: M. Morgan
Issue Date: 8-18-2021
Project Number: 21-106
Sheet:

	ROOM FINISH SCHEDULE FLOOR WALLS CEILING							
lack	FLOOR	\bigoplus	BASE	\bigoplus	WALLS	\bigoplus	CEILING	
1	CARPET MOWHAWK GROUP OR EQUAL, 24"x24" TILES, QUALITY, COLOR & PATTERN TO MATCH EXISTING IN ADJACENT AREAS	Α	4" HIGH RUBBER COVE BASE ROPPE 700 SERIES COLOR TO MATCH EXISTING IN ADJACENT AREAS	1	NEW 5/8" TYPE "X" DRYWALL PAINTED 3 COATS (1 COAT PRIMER & 2 COATS FINISH) LATEX PAINT, EGGSHELL SHEEN COLOR BY OWNER	Α	2' x 2' ACOUSTICAL TILE STYLE & HEIGHT TO MATCH EXISTING, CEILING HGT. @ +/-9'-0" SEE SHEET "E-1" FOR PROJECTED AREAS FOR NEW REQUIRED CEILING FINISH.	
2	12"x12" VINYL COMPOSITE TILE (VCT) EXISTING TO REMAIN WHERE POSSIBLE.	В	4" HIGH RUBBER COVE BASE EXISTING TO REMAIN WHERE POSSIBLE.	2	EXISTING DRYWALL PAINTED 2 COATS (2 COATS FINISH) LATEX PAINT, EGGSHELL SHEEN COLOR BY OWNER			
				3	EXISTING CMU PAINTED 2 COATS (2 COATS FINISH) LATEX PAINT, EGGSHELL SHEEN COLOR BY OWNER			

ALL FINISHES TO BE AS SPECIFIED, UNLESS OTHERWISE NOTED.

FOR CLARITY, THE LETTERS "I, O, S, & Z" ARE NOT USED. SAMPLES OF ALL COLORS & PATTERNS FOR FINISHES TO BE SUBMITTED BY G.C. TO OWNER FOR FINAL SELECTION.

WALL LEGEND DESCRIPTION SYMBOL EXISTING FRAMED WALLS - TO REMAIN SEE FLOOR PLAN FOR LOCATIONS. EXISTING CMU WALLS - TO REMAIN. SEE FLOOR PLAN FOR LOCATIONS. EXISTING METAL STUD FRAMED WALLS, OTHER STRUCTURES & FIXTURES TO BE DEMOLISHED. INTERIOR LOW HEIGHT WALL: LIGHT GAUGE METAL STUD FRAMED WALLS 10'-0" HIGH, w/ R-11 BATTS BETWEEN STUDS. 362S162-33 [33] STUDS SPACED @ 16" O.C. 362T125-33 TOP & BOTTOM TRACKS BRACING @ MID-POINT ALONG SPAN TYPICAL HEADER: (2) 362S162-43 [33] BOX HEADER 362T125-33 TOP & BOTTOM TRACK (1) 362S162-33 JACK STUD EACH END (1) 362S162-33 KING STUD EACH END MAX. CLEAR SPAN 3'-6" SEE FLOOR PLAN FOR LOCATIONS.

ALL NEW INTERIOR METAL FRAMED WALLS TO HAVE SOUND BATT INSULATION. ALL NEW INTERIOR METAL FRAMED WALLS TO BE BRACED SECURLY ALONG TOP OF

WALL TO EXISTING BUILDING STRUCTURE FRAME ABOVE AS REQUIRED. EXISTING WALL LOCATION & ASSEMBLY TYPE INFORMATION SHOWN OBTAINED FROM A COMBINATION OF BUILDING SURVEY AND ORIGINAL CONSTRUCTION DRAWINGS

DEMOLITION NOTES

 \langle 1 angle REMOVE EXISTING ACOUSTICAL CEILING CEILING TILE AND GRID SYSTEM AS REQUIRED. A.C.T. MATERIALS THAT ARE SUITABLE FOR RE-USE ARE TO BE STORED ON SITE.

 $\left\langle 2 \right
angle$ REMOVE EXISTING DOOR, FRAME AND ALL RELATED HARDWARE. PREPARE REMAINING WALL TO RECIEVE INFILL FRAMING.

 $\langle 3 \rangle$ REMOVE PORTION EXISTING METAL STUD FRAMED WALL AS SHOWN.

 $\langle 4 \rangle$ REMOVE ENTIRE OF EXISTING METAL STUD FRAMED WALL AS SHOWN. $\langle 5 \rangle$ CUT NEW OPENING IN EXISTING METAL STUD FRAMED WALL AS SHOWN.

TO DETERMINE PORTIONS OF WALL REQUIRED TO BE REMOVED.

 \langle 6 \rangle REMOVE EXISTING FLOOR FINISH IN ROOM SHOWN ONLY UP TO DOOR OPENING. PREPARE REMAINING CONCRETE SLAB TO RECEIVE NEW FLOOR FINISH PER FINISH SCHEDULE.

TYPICAL DEMOLITION NOTES:

PROVIDED BY CLIENT.

1. ALL MATERIALS RESULTING FROM DEMOLITION WORK TO BE DISPOSED OF PROPERLY. BEFORE DEMOLISHING WALLS SEE PROPOSED FLOOR PLAN DRAWINGS FOR DIMENSIONS

REPAIR OR REPLACE ALL STRUCTURAL MEMBERS THAT ARE DISCOVERED TO BE DAMAGED FROM WATER EXPOSURE, INSECT INFESTATION, ETC.

4. ALL STRUCTURAL FRAMING OF ROOFS AND FLOORS THAT ARE POSSIBLY SUPPORTED BY LOAD BEARING WALLS BENEATH THEM ARE TO BE SHORED UP WITH "TEMPORARY BRACING WALL" BEFORE REMOVING ANY FRAMING MEMBERS OF WALLS.

"TEMPORARY BRACING WALL" TO BE OF SIMILAR CONSTRUCTION OF LOAD BEARING WALL THAT IS BEING DEMOLISHED, AND IS TO BE LOCATED IN A MANNER TO PROVIDE AN ADEQUATE LOAD PATH DOWN TO FOUNDATION BELOW.

. ALL EXISTING PIPING OF PLUMBING SYSTEMS BELOW CONCRETE SLAB AFFECTED BY DEMOLITION WORK TO BE PROPERLY CAPPED OFF BELOW FINISH FLOOR LEVEL.

ALL ELECTRICAL AND MECHANICAL SYSTEMS AFFECTED BY DEMOLITION WORK TO BE PROPERLY REMOVED. ABANDONMENT OF EXISTING ROUGH-IN WORK IS NOT ALLOWED.

8. REPORT ALL DISCREPANCIES TO DESIGNER IMMEDIATELY.

INTERIOR FINISH NOTES

QUALITY AND STYLES OF ALL NEW MATERIALS TO MATCH EXISTING IN ADJACENT AREAS, G.C. VERIFY ON SITE. SAMPLES OF ALL COLORS & PATTERNS FOR FINISHES TO BE SUBMITTED BY G.C. TO OWNER FOR FINAL SELECTION.

EXISTING CONCRETE, CLEAN, PATCH AND REPAIR AS REQUIRED FOR SMOOTH FINISH TO RECIEVE NEW CARPET.

<u>CARPET:</u> MOWHAWK GROUP OR EQUAL 24"x24" TILES

BASE: ROPPE 700 SERIES 4" HIGH RUBBER COVE BASE

PAINT - SHERWIN WILLIAMS OR EQUAL, SEMI-PERMEABLE EGGSHELL SHEEN ALL NEW AND EXISTING WALL SURFACES TO BE PREPARED AND PRIMED PER PAINT MANUF. SPECIFICATIONS.

ARMSTRONG OR EQUAL, ACOUSTICAL LAY-IN SYSTEM TILES: 2' x 2' x 3/4", SQUARE EDGE, MINERAL FIBER

GRID: 15/16" GRID SYSTEM, INTERIOR WOOD DOORS & FRAMES:

DOORS: VT INDUSTRIES, ARCHITECTURAL WOOD DOORS OR EQUAL, FACTORY STAINED & FRAMES: PRIMED AND PAINTED SEMI-GLOSS FINISH SHEEN

3'-0" 5 8 INTERIOR - CORRIDOR - PASSAGE INTERIOR - STORAGE - PASSAGE DOOR: 3'-0" x 7'-0" x 1-3/4", SOLID CORE DOOR: 3'-0" x 7'-0" x 1-3/4", SOLID DOOR: 3'-0" x 7'-0" x 1-3/4", SOLID BIRCH w/ FACTORY FINISH TO MATCH CORE BIRCH w/ FACTORY FINISH TO CORE BIRCH w/ FACTORY FINISH TO EXISTING, PASSAGE LEVER LOCKSET, MATCH EXISTING, KEYED LEVER MATCH EXISTING, PASSAGE LEVER CLOSER, KICK-DOWN DOOR STOP FRAME: 16 GAUGE PAINTED HOLLOW METAL, PAINTED TO MATCH EXISTING FRAME: 16 GAUGE PAINTED HOLLOW FRAME: 16 GAUGE PAINTED HOLLOW METAL, PAINTED TO MATCH EXISTING

DOOR & FRAME SCHEDULE SCALE: 1/4" = 1'-0" B-2 / VERIFY ALL DOOR SWING DIRECTIONS ON FLOOR PLAN

MAGNETIC DOOR CATCH: NONE. NOTE: EACH DOOR TO HAVE DOOR METAL, PAINTED TO MATCH EXISTING

STOPS, SEE HARDWARE SCHEDULE

NOTE: G.C. TO FURNISH AND INSTALL ALL ADA RESTROOM SIGNAGE, ALL OTHER INTERIOR SIGNAGE TO BE FURNISHED BY THE OWNER AND INSTALLED BY THE GENERAL CONTRACTOR AS PER ADA REQUIREMENTS

STEEL FINISH OR EQUAL.

PANIC EXIT DEVICE: NONE.

KICK-DOWN DOOR STOP: "ROCKWOOD", #460

SUPPLY MASTER KEY TO FIT ALL DOORS - VERIFY KEYING SCHEMES w/ OWNER

NOTE: MANUFACTURER SHALL

T = TEMPERED GLASS TN = TINTED WG = WIRE GLASS SWG = SAFETY WIRE GLASS

DOOR HARDWARE SCHEDULE

EXTERIOR & INTERIOR DOOR HINGES: BALL BEARING HINGES WITH 32D FINISH

DOOR STOPS: "McKINNEY" WROUGHT WALL STOPS No. WS02 WITH STAINLESS

ALL HARDWARE TO HAVE "BRUSHED NICKLE" FINSH, U.N.O.

LOCKSET: "YALE" 4600LN, GRADE 2 LOCKSET OR EQUAL

CLOSERS: GRADE 1 w/ FULL COVER, 2500 OR EQUAL.



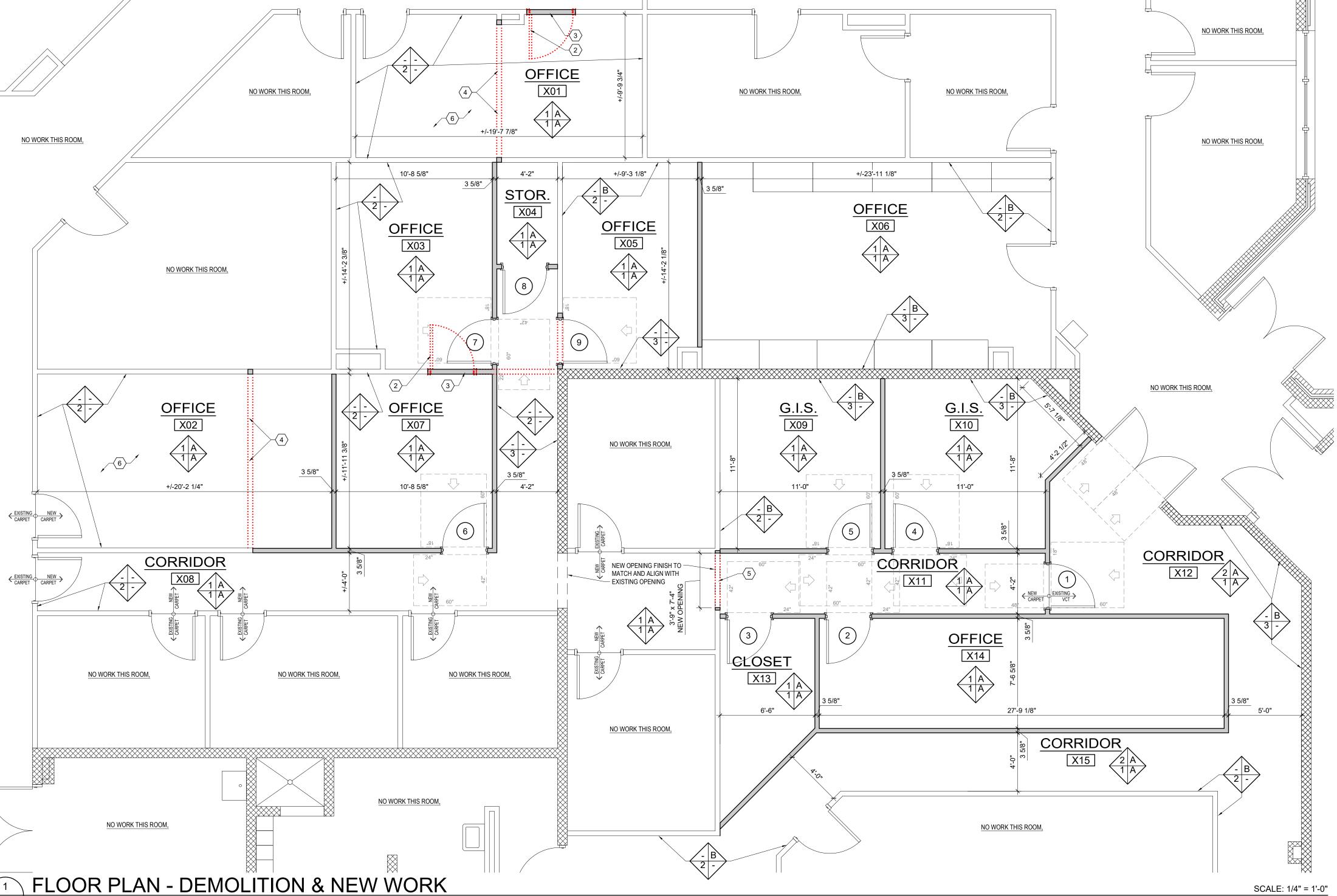
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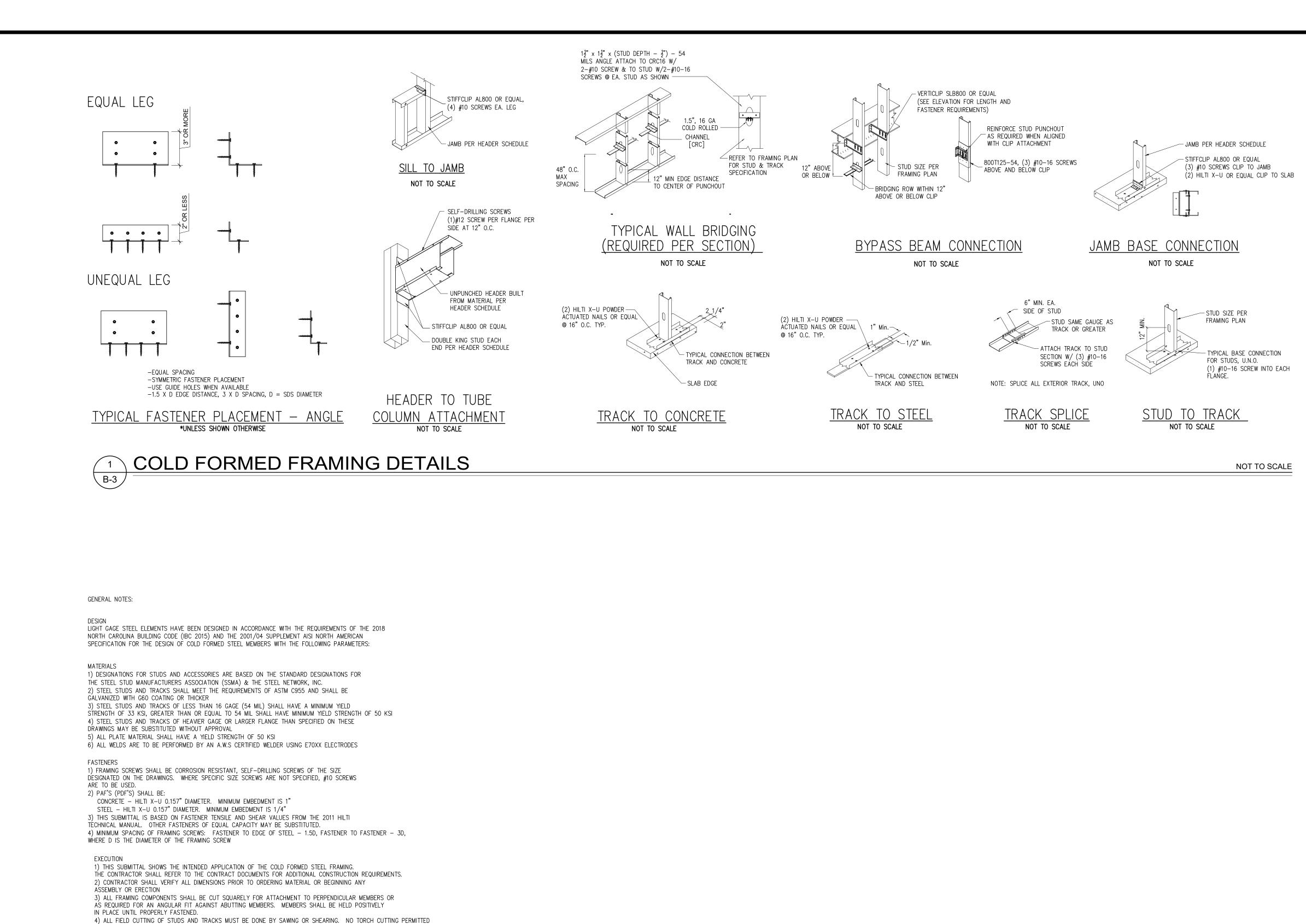
Issue Date:

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

Project Number: 21-106

B-2





5) NO SPLICES IN STUDS, HEADERS, OR OTHER LOAD CARRYING MEMBERS ARE ALLOWED WITHOUT DETAILS SUPPLIED

7) STRUCTURAL FRAMING AT WINDOWS AND DOORS IS NOT DESIGNED TO SUPPORT BRICK DEAD LOADS NOR PROVIDE BEARING

10) THE INSTALLATION OF COLD-FORMED CONNECTORS AND ASSOCIATED FASTENERS SHALL FOLLOW MANUFACTURER'S RECOMMENDATIONS.

CONFIGURATION (S=STUD)

FLANGE WIDTH (1.625")

THICKNESS (54 MILS)

GAGE

MILS

54

43 18

68 | 14

97 12

DEPTH (6")

600 S 162 - 54

SSMA CEE STUD

CRC | COLD-ROLLED CHANNEL

TRACK

FS | FLAT STRAP

CONFIGURATION TABLES

8) ANY DISCREPANCIES IN THESE SHOP DRAWINGS MUST BE MADE KNOWN TO ENGINEERS FOR REVIEW AND CORRECTION.

9) DEVIATIONS FROM THESE SHOP DRAWINGS SHALL NOT BE MADE IN THE FIELD. MODIFICATIONS SHALL BE

BY THE ENGINEER OF RECORD.

MIN. EMBEDMENT = 1"

CFS ABBREVIATIONS

CONT CONTINUOUS

EACH

MINIMUM

ON CENTER

REFERENCE

SIMILAR

TYPICAL

POWDER ACTUATED FASTENER

STRUCTURAL ENGINEER OF RECORD

SELF DRILLING SCREWS

UNLESS NOTED OTHERWISE

EA

PAF

REF

SDS

SER

TYP

END SUPPORT FOR BRICK SHELVES.

6) THE FOLLOWING SHALL BE USED FOR PAF UNLESS OTHERWISE NOTED:

MIN. EMBEDMENT = 1/4"

MIN. EDGE DISTANCE = 2.75" MIN. EDGE DISTANCE = 0.5"
MIN CENTERLINE SPACING = 2.75" MIN CENTERLINE SPACING = 1"

DESIGNED AND DETAILED BY ENGINEERS PRIOR TO IMPLEMENTATION.

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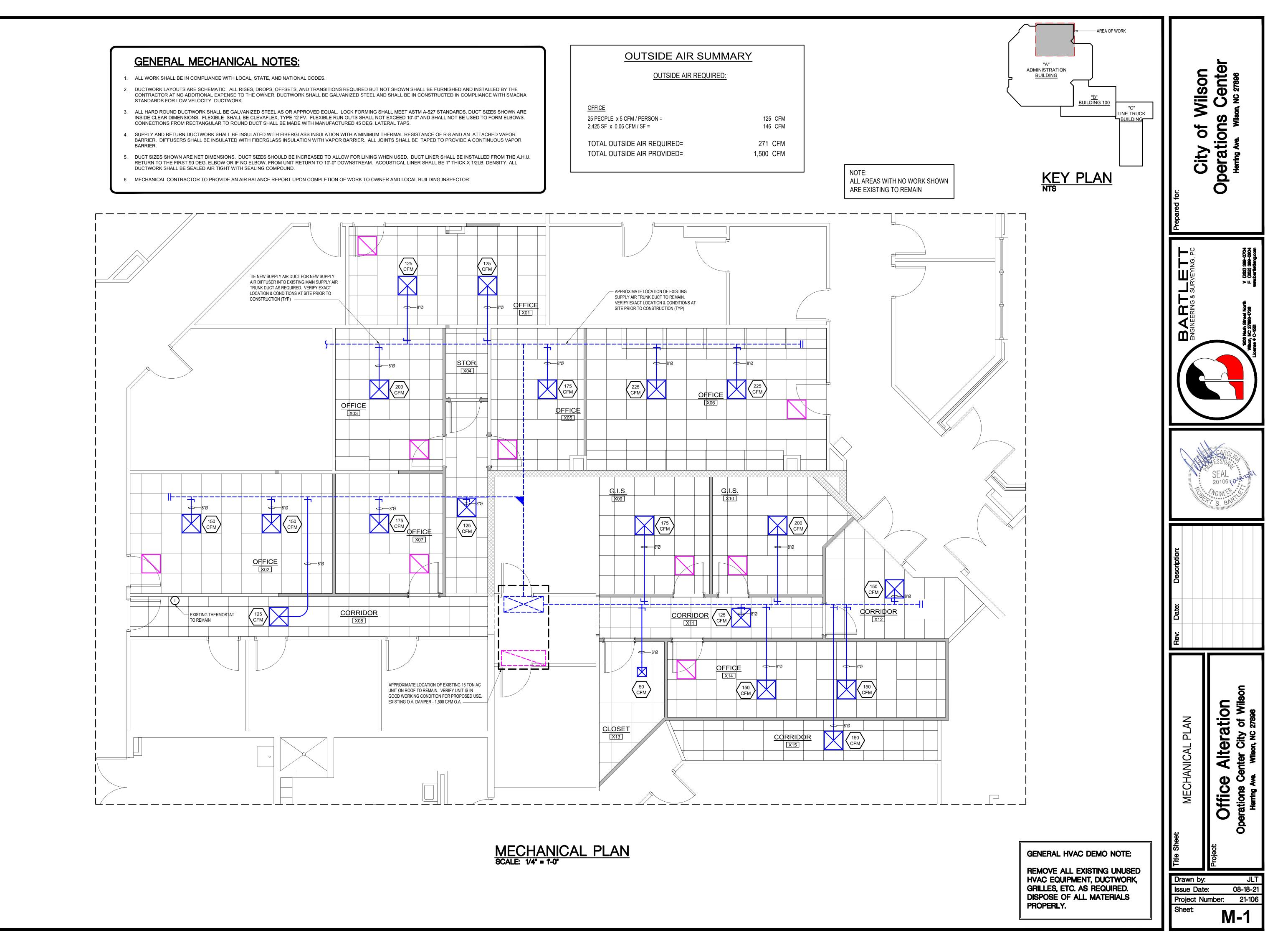
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Drawn by: M. Morgan Issue Date: 8-18-2021

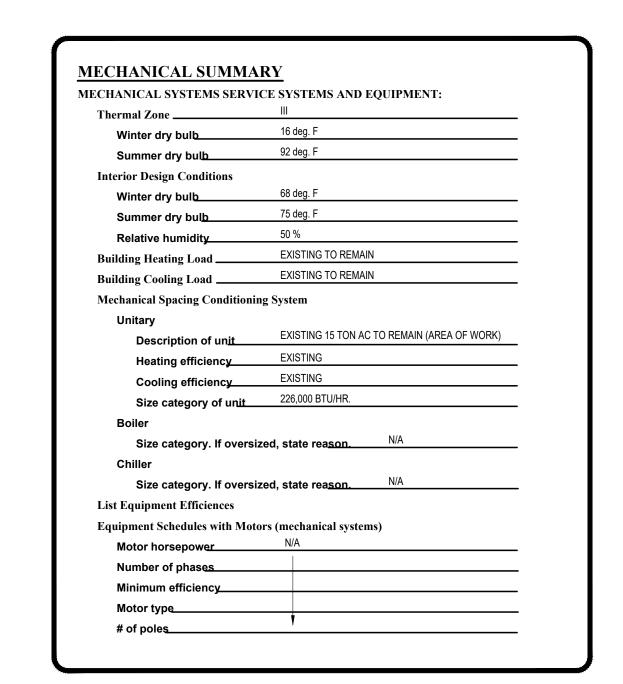
Project Number: 21-106
Sheet: **B-3**

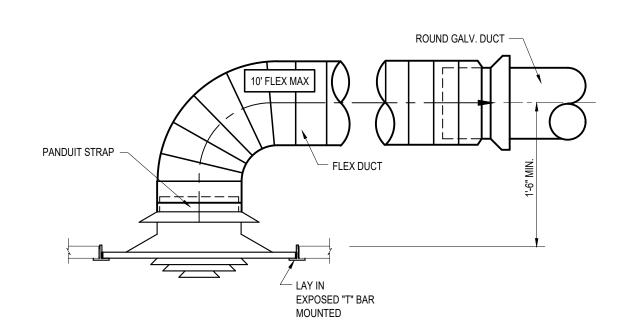


	DIFFUSER / GRILLE SCHEDULE							
CFM	NECK SIZE	MAKE *	MODEL	MATERIAL	TYPE	DUCT SIZE		
50-100	6x6	METAL-AIRE	SERIES 5000	EXTRUDED ALUMINUM	SUPPLY	6" RND		
125-225	9x9	METAL-AIRE	SERIES 5000	EXTRUDED ALUMINUM	SUPPLY	8" RND		
100-1000	24X24 FACE	METAL-AIRE	SERIES RH	ALUMINUM	RETURN			

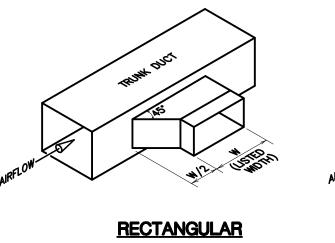
ALL BRANCH DUCTS AND RUN OUTS SHALL HAVE MANUAL LOCKING QUADRANT BALANCING DAMPERS.
 ALL DIFFUSERS SHALL BE FACTORY INSULATED.
 PANEL / FACE SHALL BE SUITABLE FOR CEILING TYPE.
 NC LEVEL MAX. - 20
 EQUAL BY ANEMOSTAT OR TITUS

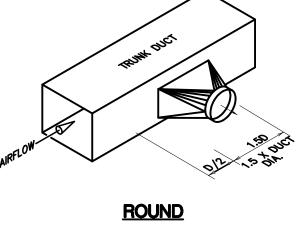
	MECHANICAL SYMBOL LEGEND							
SINGLE LINE	DOUBLE LINE	DESCRIPTION						
-		TAKE OFF TO SUPPLY AIR REGISTER						
<u></u>		BRANCH TAKEOFF FROM MAIN TRUNK DUCT						
<u>_</u> =	Ů	END CAP						
_		DUCT INSULATED WITH 2" EXTERNAL INSULATION. SEE GENERAL MECHANICAL NOTES						
	=	ONTROL DAMPER (TYP) ———————————————————————————————————						
-		RETURN AIR GRILLE (OPEN PLENUM RETURN)						
=		SUPPLY AIR DIFFUSER. THROW TO MATCH CEILING HEIGHT						
CUSHION E	=	(1)CUSHION HEAD @ BRANCH (2)CUSHION HEAD IS EQUAL TO 1/2 OR DIFFUSER RUNOUT WIDTH OF THE BRANCH DUCT OR DIFFUSER RUNOUT						
=	Ĥ	MANUAL VOLUME CONTROL DAMPER W/ QUADRANT LOCKING DEVICE						

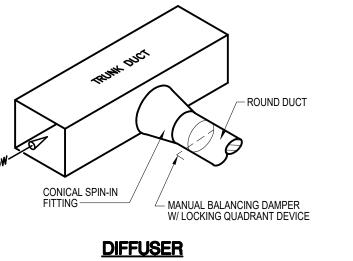




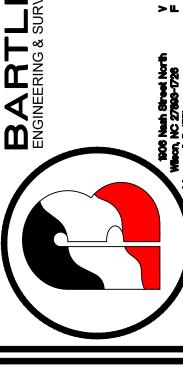








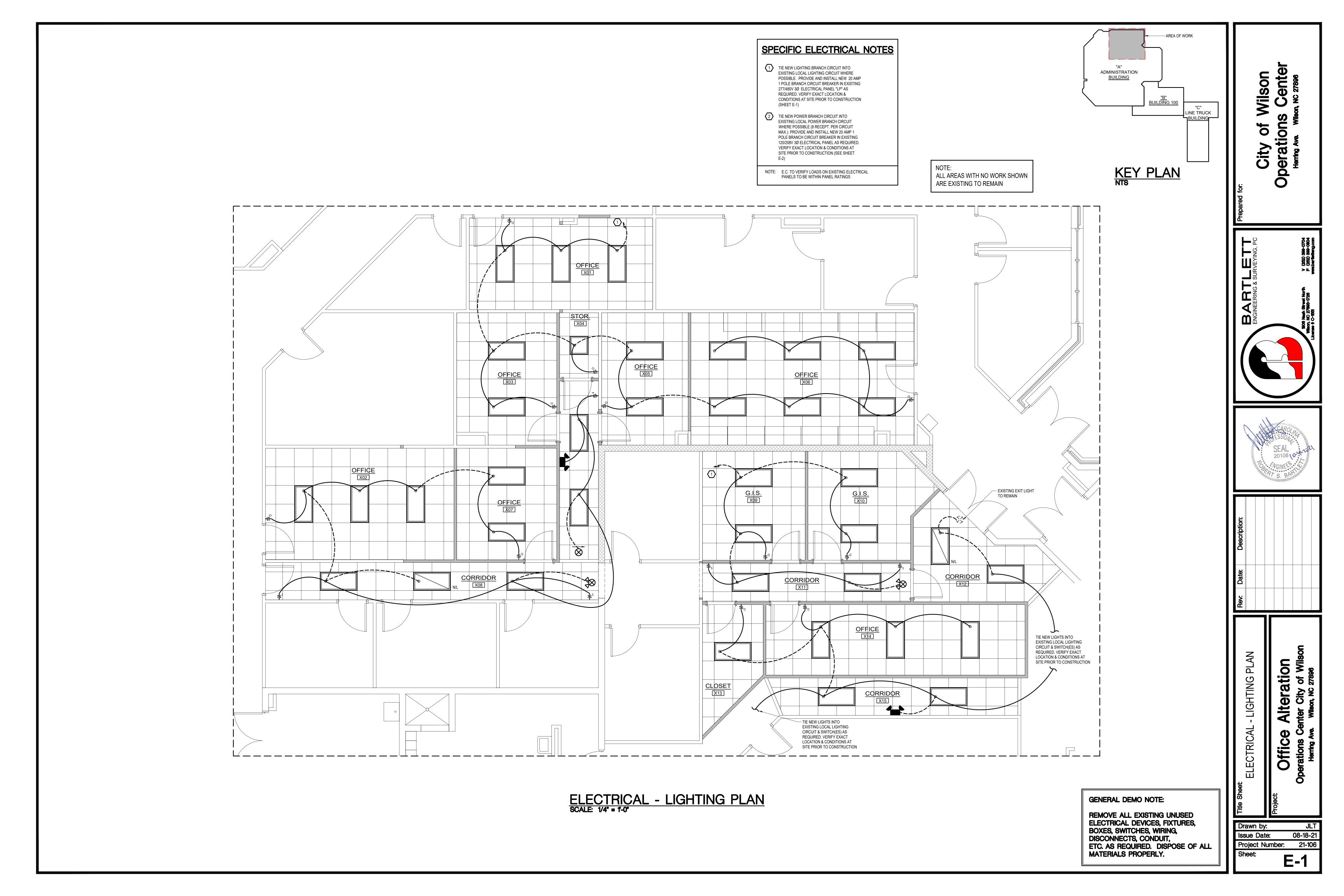
DETAIL-LATERAL TO REGISTER OR BRANCH DUCT NOT TO SCALE

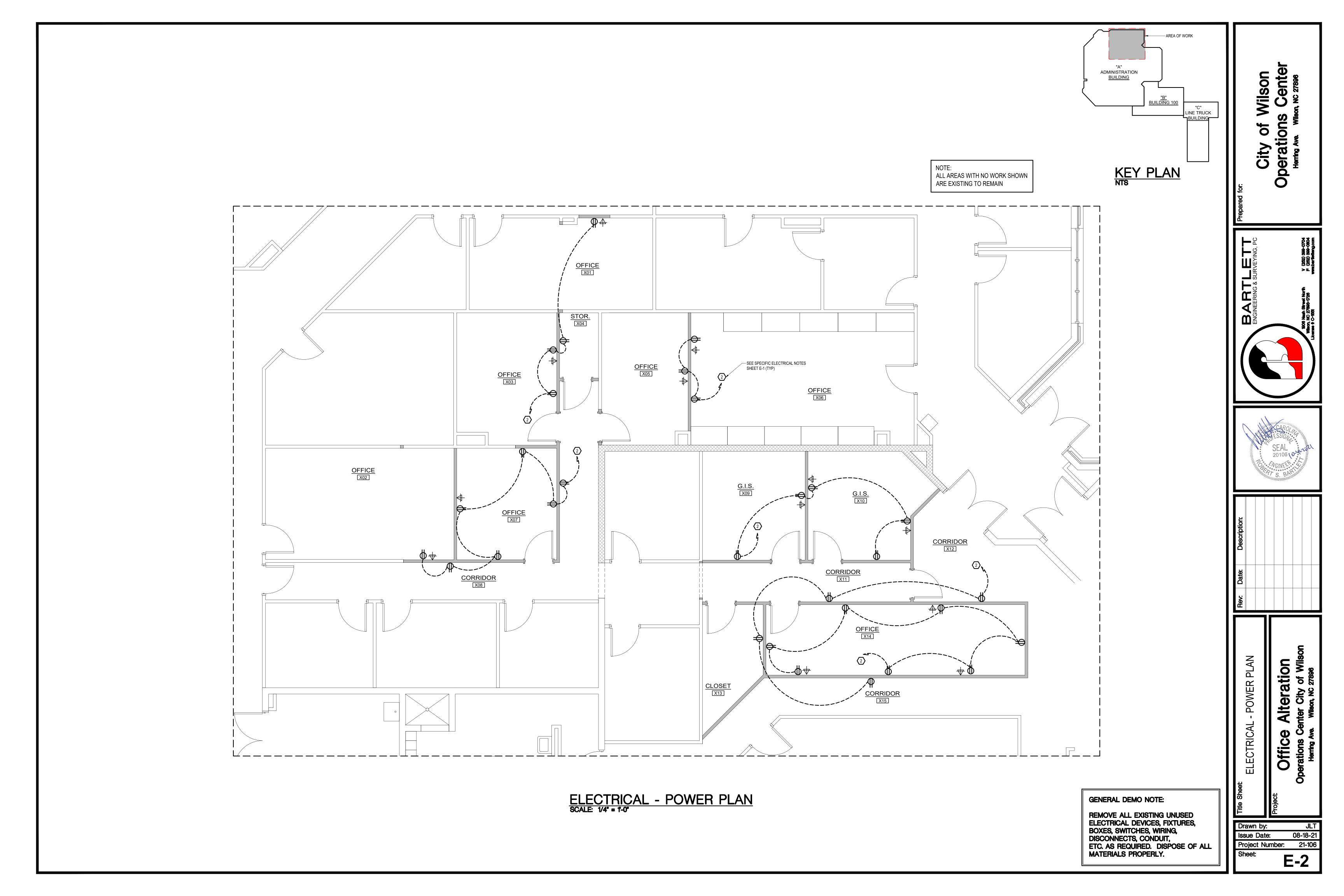


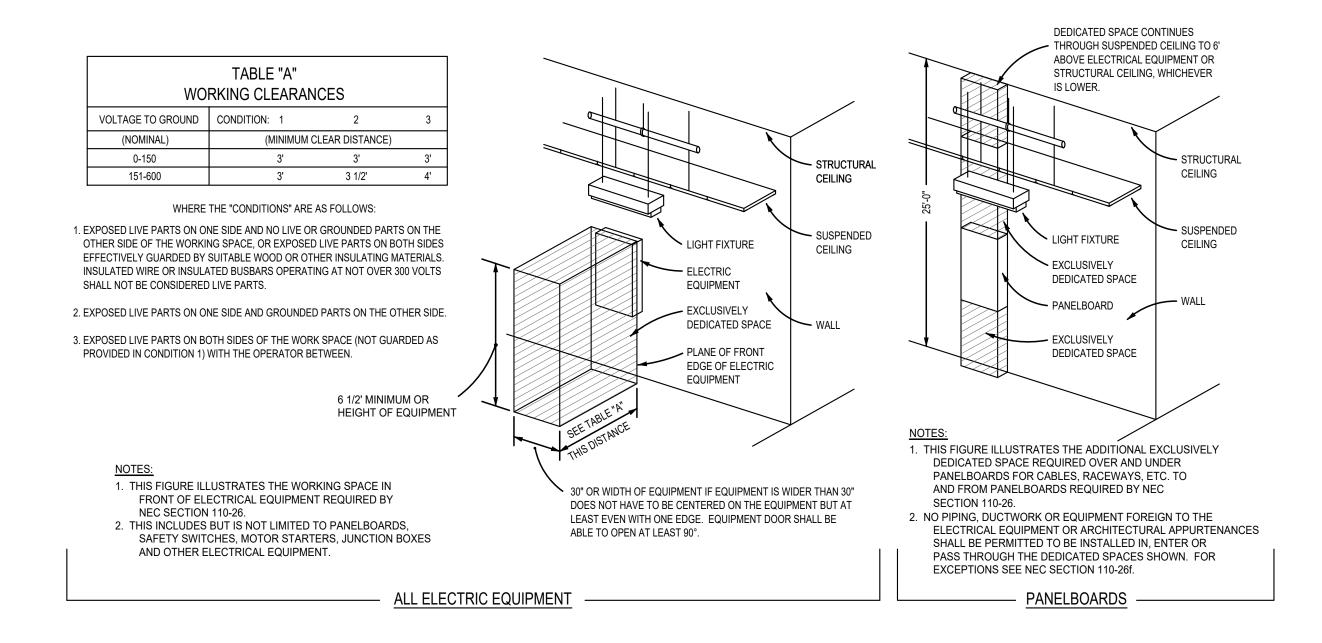


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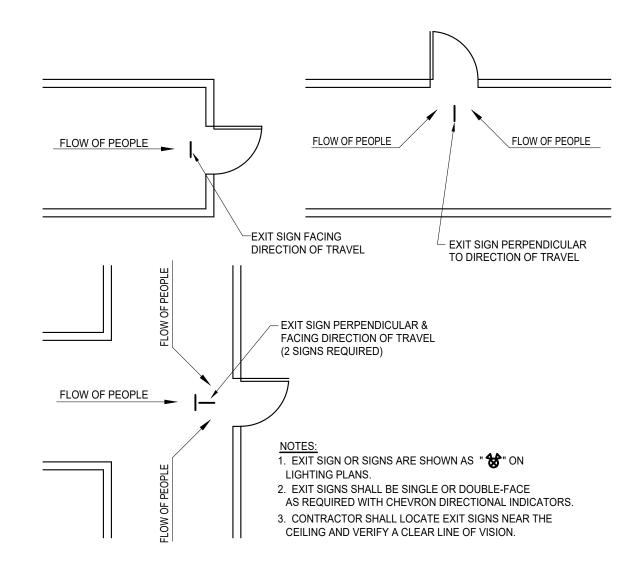
M-2







DEDICATED WORKING SPACE REQUIREMENTS NO SCALE



LOCATIONS OF EXIT SIGNS NO SCALE

1	ELECTRICAL SUMMARY						
ı	ELECTRICAL SYSTEM AND EQUIPMEN	IT:					
	Method of Complience:						
	Prescriptive (Energy Code)	Prescriptive (A	SHRAE 90.1)				
ı	Performance (Energy Code)	Performance (A	SHRAE 90.1)				
	Lighting Schedule						
	Lamp type required in fixture	THIS	SHEET				
ı	Number of lamps in fixture						
ı	Ballast type used in fixture						
ı	Number of ballasts in fixture						
ı	Total wattage per fixtu <u>re</u>						
ı	Total interior wattage specified -vs-	- allowed	•				
ı	Total exterior wattage specified -vs	- allowed	1				
ı	Additional Prescriptive Compliance						
ı	506.2.1 More Efficient Mechanic	al Equipment					
ı	506.2.2 Reduced Lighting Power	r Density					
ı	506.2.3 Energy Recovery Ventilation Systems						
ı	☐ 506.2.4 Higher Efficiency Service Water Heating						
1	506.2.5 On-Site Supply of Renew	vable Energy					
	506.2.6 Automatic Daylighting C	ontrol Systems					

SYMBOL	MANUFACTURER	DESCRIPTION		LAMPS		
STMBUL	MANUFACTUREN	DESCRIPTION	NO.	WATTS	TYPE	MOUNTING
0	EELP OR EQUAL	VersaLED 2X4 LED LIGHTING PANEL WITH ACRYLIC LENS. 277V 4,652 LUMENS, 4,000K COLOR TEMP.	-	50	LED'S	LAY-IN
•	EELP OR EQUAL	VersaLED 2X2 LED LIGHTING PANEL WITH ACRYLIC LENS. 277V 4,134 LUMENS, 4,000K COLOR TEMP.	-	40	LED'S	LAY-IN
*	LITHONIA OR EQUAL	LED EXIT/EMERGENCY COMBO LIGHT WITH BATTERY BACKUP. 277V DUAL REMOTE READY	-	-	LED'S	WALL
4	LITHONIA OR EQUAL	EMERGENCY LIGHT WITH BATTERY BACKUP. 277V	-	-	LED'S	WALL

NOTES:

NOTE (1) - FIXTURES SHALL HAVE DISCONNECTING MEANS MEETING THE REQUIREMENTS OF

NEC ARTICLE 410.130(G).

NEC ARTICLE 410.130(G).

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.

LIGHTIN	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	2,425	0.89	2,158.25	1,890	268.25			

GENERAL ELECTRICAL NOTES:

- 1. 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 CONDUCTORS SHALL BE COPPER.
- 4. ALL EQUIPMENT LOADS SHALL BE VERIFIED BEFORE EQUIPMENT AND/OR CIRCUIT INSTALLATION. VERIFY
- LOCATION OF ALL RECEPTACLES & DATA / TELE. BOXES WITH OWNER PRIOR TO INSTALLATION

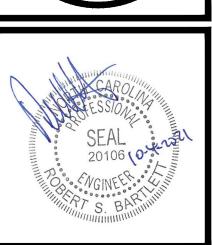
 5. PROVIDE GREEN GROUNDING CONDUCTOR CONTINUOUS FROM DEVICE TO PANEL GROUND BAR.
- 6. EMT FITTINGS SHALL BE HEXAGONAL ALL STEEL, COMPRESSION TYPE.
- 7. NEW RECEPTACLES AND SWITCHES SHALL BE COMMERCIAL GRADE BRYANT, SIERRA, LEVITON BRAND EXCEPT AS SPECIFIED.
- 8. NEW WALL OUTLET BOXES SHALL BE STEEL CITY OR RACO WITH PLATES.
- 9. ALL NEW CIRCUITS SHALL BE TESTED WITH 500 VOLT TESTER PRIOR TO ENERGIZING.
- 10. MOUNTING HEIGHTS FOR ALL NEW SWITCHES & RECEPTACLES TO BE ADA COMPLIANT PER ANSI A117.1

	ELECTRICAL LEGEND							
MARK	DESCRIPTION	MARK	DESCRIPTION					
	"LED" LIGHT FIXTURE	\$0	PASSIVE DUAL TECHNOLOGY OCCUPANCY WALL SENSOR SWITCH					
N/L	"LED" UNSWITCHED LIGHT FIXT. WITH BATTERY STANDBY (SECURITY/ EMERGENCY LT.)	ф	DUPLEX RECEPTACLE					
₩	COMBO EXIT/EM. LIGHT	~~	SWITCHED BRANCH CIRCUIT					
8	EXIT LIGHT WITH DIRECTIONAL ARROW	۲ ^٦	UNSWITCHED BRANCH CIRCUIT					
4	BATTERY OPERATED EMERG. LT. (2-HEAD, WALL MTD.)	~_/	HOMERUN					
\$3(4)	3-WAY SWITCH (4-WAY)	4	VOICE/DATA 1" CONDUIT TO ABV. CEILING					

City of Wilson perations Center

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ENGINEERING & SURVEYING



Rev: Date: Description:

ce Alteration

Drawn by: JLT Issue Date: 08-18-21 Project Number: 21-106

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