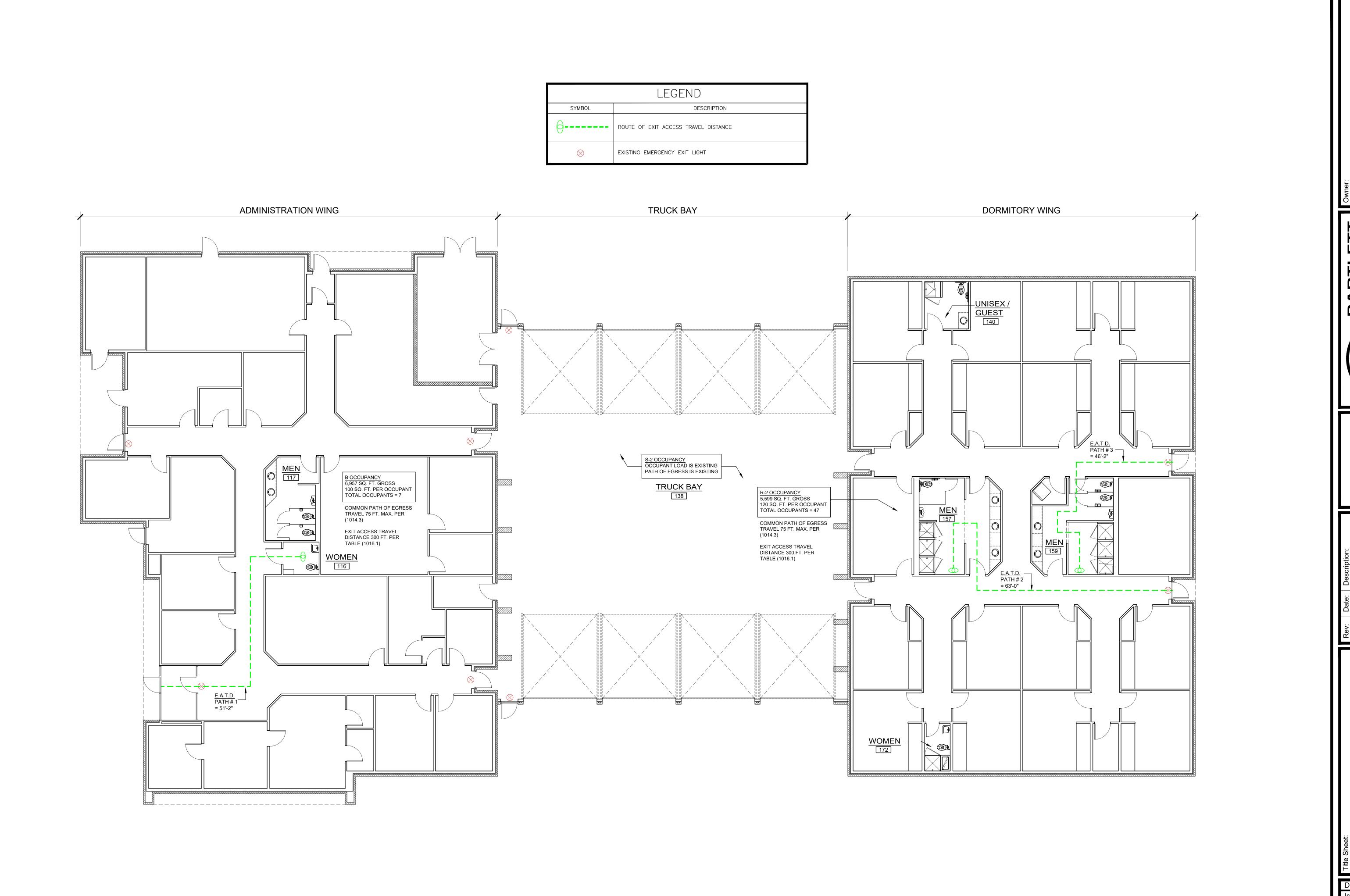
Wilson Fire Station 1

307 Hines St. W, WILSON, NC 27893

	MMARY			SHEET INDEX
ct:_Restroom Renovations for Wilson Fire Station 1	- (A) (B) (C) (D) (E) (F)	SPECIAL APPROVALS	MECHANICAL SUMMARY SEE MECHANICAL PLAN	
7 Hines St. W Zip Code: 27893	STORY DESCRIPTION BLDG AREA TABLE 503 ⁵ AREA FOR AREA FOR ALLOWABLE MAXIMUM NO. AND USE PER STORY AREA FRONTAGE SPRINKLER AREA OR BUILDING	Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc., describe below)	MECHANICAL SYSTEMS SERVICE SYSTEMS AND EQUIPMENT: Thermal Zone	COVER
Fire Station	(ACTUAL) INCREASE INCREASE UNLIMITED AREA		Winter dry bulb	COVER
orized Agent : Jim Campbell Phone # 252-399-2891 E-Mail:			Summer dry bulb Interior Design Conditions	CS-1 CODE SUMMARY & INDEX SHEET
	TOTAL 17,366 ¹ Open space area increases from Section 506.2 are computed thus:		Winter dry bulb	
nt Jurisdiction: City Wilson County State	a. Perimeter which fronts a public way or open space having 20 feet minimum width = (F) b. Total Building Perimeter = (P)	STRUCTURAL DESIGN - EXISTING DESIGN LOADS:	Summer dry bulb Relative humidity	
CN PROFESSIONAL: Robert Bartlett, PE	c. Ratio $(F/P) = \underline{\hspace{1cm}} (F/P)$	Importance Wind (I _W)	Building Heating Load	<u>BUILDING</u>
TIRM NAME <u>LICENSE # TELEPHONE # E-MAIL</u>	d. W = Minimum width of public way =(W) e. Percent of frontage increase $I_f = 100 [F/P - 0.25] \times W/30 =$ (%)	Factors: Snow (I _S)	Building Cooling Load	
lett Engineering & Surveying, PC Robert S. Bartlett 20106 252.399.0704 robert@bartletteng.com	² The sprinkler increase per Section 506.3 is as follows: a. Multi-story building I _s = 200 percent	Seismic (I _E) Live Loads: Roof (live & snow)	Mechanical Spacing Conditioning System Unitary	LS-1 LIFE SAFETY PLAN
	b. Single story building $I_s = 300$ percent - 3 Unlimited area applicable under conditions of Sections (507)	Mezzanine Second Floor	Description of unit	
lett Engineering & Surveying, PC Robert S. Bartlett 20106 252.399.0704 robert@bartletteng.com	4 Maximum Building Area = total number of stories in the building x E (506.4).	Ground Snow Load:	Heating efficiency	B-1 EXISTING CONDITIONS / DEMOLITION PLAN
ett Engineering & Surveying, PC Robert S. Bartlett 20106 252.399.0704 robert@bartletteng.com	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.	Wind Loads: Basic Wind Speed Exposure Category	Cooling efficiency Size category of unit	
ett Engineering & Surveying, PC Robert S. Bartlett 20106 252.399.0704 robert@bartletteng.com	ALLOWABLE HEIGHT	Wind Base Shears (for MWFRS) \vee_{χ} \vee_{γ}	Boiler	B-2 PROPOSED FLOOR PLAN / NEW WORK / DETAILS & NOTES
	ALLOWABLE INCREASE FOR SHOWN ON CODE	SEISMIC CATEGORY	Size category. If oversized, state reason	DETAILS & NOTES
	(TABLE 503) SPRINKLERS PLANS REFERENCE	Provide the following Seismic Design Parameters:	Size category. If oversized, state reason.	PLUMBING
	Type of Construction Type - B	Occupancy Category (Table 1604.5) \square I \square III \square III \square IV Spectral Response Acceleration S_S 2 8 3 4 4 5 5 4 5 4 5 5 6 6 6 6 6 6 6 6 6 6	List Equipment Efficiencies	<u> </u>
OLINA ING CODE New Construction Addition Up Fit Change of Occupancy	Building Height in Feet 55 ' $H+20$ ' = N/A Feet <25 ' 503 Building Height in Stories 4 Stories $+1$ = N/A 1 503	Site Classification (Table 1613.5.2)	Equipment Schedules with Motors (mechanical systems) Motor horsepower	P-1 PLUMBING PLAN
construction Alteration Repair Renovation Shell Building (date) ORIGINAL USE(s) (Ch. 3)	Building Height in Stories 4 Stories 1 - Hy A	Basic Structural System: (check one)	Number of phases	
date) ORIGINAL USE(s) (Ch. 3) date) CURRENT USE(s) (Ch. 3) Fire Station	FIRE RESISTANCE RATINGS EXISTING	☑ Bearing Wall ☐ Dual W/ Special Moment Frame ☐ Building Frame ☐ Dual W/ Intermediate R/C or Special Steel	Minimum efficiency	MECHANICAL
PROPOSED USE(s) (Ch. 3)	_ FIRE RATING DESIGN#	☐ Moment Frame ☐ Dual W/ Intermediate R/C or Special Steel ☐ Inverted Pendulum	Motor type	
ATA _	BUILDING ELEMENT SEPARATION DISTANCE (FEET) REQUIRED PROVIDED (W/ N/A * REDUCTION) PROVIDED AND SHEET # DESIGN # FOR RATED ASSEMBLY PROVIDED ASSEMBLY PROV	Seismic Base Shear \vee_{X} $\qquad \qquad \vee_{Y}$ Analysis Procedure: $\qquad \qquad \qquad$	DESIGNER STATEMENT:	M-1 MECHANICAL PLAN
	Structural frame, including columns,	Analysis Procedure: Simplified Modal Equivalent Lateral Force Architectural, Mechanical, Components Anchored? Yes No	To the best of my knowledge and belief, the design of this building complies with the mechanical systems, and equipment requirements of the North Carolina State	
☐ I-B ☐ III-B ☐ V-B	girders, trusses Bearing walls	LATERAL DESIGN CONTROL:	Building Code, Volume X-Energy.	
NO Partial YES NFPA 13 NFPA 13R NAPA 13D NO YES Class: I I III Wet Dry	Exterior North	SOIL BEARING CAPACITIES:	Signed:	ELECTRICAL
NO YES (Primary) Flood Hazard Area: No YES	East	Field Test (provide copy of test report)psf	Name: Title:	
t) <25'	West South	Presumptive Bearing Capacitypsf Pile Size, Type, and Capacity		E-1 ELECTRICAL PLAN
EXISTING (SQ. FT.) NEW (SQ. FT.) SUB-TOTAL	Interior Nonbearing walls and partitions	SPECIAL INSPECTIONS REQUIRED: Yes No	ELECTRICAL SUMMARY SEE ELECTRICAL PLAN	
	Exterior North		ELECTRICAL SYSTEM AND EQUIPMENT:	
	_ East	ENERGY SUMMARY EXISTING	Method of Compliance : Prescriptive (Energy Code) Prescriptive (ASHRAE 90.1)	
	West South	ENERGY REQUIREMENTS: The following data shall be considered minimum and any special attribute required to most	Performance (Energy Code) Performance (ASHRAE 90.1)	
	Interior walls and partitions Floor Construction	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	Lighting Schedule	
17.366	_ including supporting beams and joists	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.	Lamp type required in fixture Number of lamps in fixture	
17,366 17,366	Roof Construction including supporting beams and joists	Climate Zone: 3 4 5 Method of Compliance:	Ballast type used in fixture	
17,366 17,366	Shafts Enclosures - Exit Shafts Enclosures - Other	Method of Comphance : ☑ Prescriptive (Energy Code) ☐ Prescriptive (ASHRAE 90.1)	Number of ballasts in fixture	
ALLOWABLE AREA	Corridor Separation Occupancy Separation	Performance (Energy Code) Performance (ASHRAE 90.1)	Total wattage per fixture Total interior wattage specified -vs- allowed	
ALLO WINDLE INCH	Party/Fire Wall Separation	THERMAL ENVELOPE: Roof/Ceiling Assembly (each assembly)	Total exterior wattage specified -vs- allowed	
)	Smoke Barrier Separation Tenant Separation	Description of Assembly	Additional Prescriptive Compliance 506.2.1 More Efficient Mechanical Equipment	
□ 05) □	Incidental Use Separation *Indicates section number permitting reduction.	U-value of Total Assembly	506.2.1 More Efficient Mechanical Equipment 506.2.2 Reduced Lighting Power Density	
F-1 Moderate F-2 Low	LIFE SAFETY SYSTEM REQUIREMENTS	R-value of Insulation Skylights in each assembly	506.2.3 Energy Recovery Ventilation Systems	
7)	Emergency Lighting: No Yes	U-Value of skylight	☐ 506.2.4 Higher Efficiency Service Water Heating ☐ 506.2.5 On-Site Supply of Renewable Energy	
08)	Exit Signs: No 🛛 Yes	Total square footage of skylights in each assembly Exterior Walls (each assembly)	506.2.6 Automatic Daylighting Control Systems	
9)	Fire Alarm:	Exterior Walls (each assembly) Description of Assembly	DESIGNER STATEMENT:	
0)	Panic Hardware: No Yes Yes	U-value of Total Assembly	To the best of my knowledge and belief, the design of this building complies with the electrical system requirements of the North Carolina State Building Code,	
☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage	LIFE SAFETY PLAN REQUIREMENTS	R-value of Insulation Openings (windows or doors with glazing)	Volume X-Energy.	
2. (312)	Life Safety Plan Sheet #: LS-1	U-Value of assembly	Signed:	
es:	Fire and/or smoke rated wall locations (Chapter 7)	Solar heat gain coefficient:	Title:	
	Assumed and real property line locations Exterior wall opening area with respect to distance to assumed property lines (705.8)	Projection factor: Door R-Values:		
s:	Existing structures within 30' of the proposed building	Walls below grade (each assembly)		
e 508.2.5)	Occupancy types for each area as it relates to occupant load calculation (Table 1004.1.1)	Description of Assembly U-value of Total Assembly		
som where any piece of equipment is over 400,000 BTU per hour input	 ✓ Occupant loads for each area ✓ Exit access travel distances (1016) 	U-value of Total Assembly R-value of Insulation		
h boilers where the largest piece of equipment is over 15 psi and 10 horsepower machine room	Common path of travel distances (1014.3 & 1028.8)	Floors over unconditioned space (each assembly)		
eutoff rooms, not classified as Group H	 ✓ Dead end lengths (1018.4) ✓ Clear exit widths for each exit door 	Description of Assembly U-value of Total Assembly		
rooms	 ✓ Clear exit widths for each exit door ✓ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.1) 	R-value of Insulation		
, not classified as Group H, located in occupancies other than Group F s and vocational shops, not classified as Group H. located in a Group E or I-2 occupancy	Actual occupant load for each exit door	Floors slab on grade		
oms over 100 square feet	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 (1008.1.10)	Description of Assembly U-value of Total Assembly		
ells equipped with padded surfaces	Location of doors with delayed egress locks and the amount of delay (1008.1.9.7)	R-value of Insulation		
nen collection rooms over 100 square feet	☐ Location of doors with electromagnetic egress locks (1008.1.9.8) ☐ Location of doors equipped with hold-open devices	Horizontal/vertical requirement		
orage battery systems having a liquid electrolyte capacity of more than 50 gallons, or a lithium-ion capacity of 1,000 pounds used for facility standby	Location of doors equipped with hold-open devices Location of emergency escape windows (1029)	Slab heated DESIGNER STATEMENT:		
rgency power or uninterrupted power supplies	The square footage of each fire area (902)	To the best of my knowledge and belief, the design of this building complies with the thermal envelope requirements of the North Carolina State Building Code,		
taining fire pumps torage rooms over 100 square feet	 ☐ The square footage of each smoke compartment (407.4) ☐ Note any code exceptions or table notes that may have been utilized regarding the items above 	Volume X-Energy.		
		Signed:		
	ACCESSIBLE DWELLING UNITS (SECTION 1107)	Name: Title:		
aundries equal to or less than 100 square feet	(SECTION 110/)	*****		
laundries equal to or less than 100 square feet rooms or spaces that contain fuel-fired heating equipment 402	TOTAL ACCESSIBLE ACCESSIBLE TYPE A TYPE B TYPE B TOTAL			PLANNING
aundries equal to or less than 100 square feet rooms or spaces that contain fuel-fired heating equipment 402	A COPECIDAD DE CONTROL TANDO A TANDO DE TRADO DE	ADMINISTRATION	BUILDING & LEAD DESIGN PROFESSIONAL	
laundries equal to or less than 100 square feet rooms or spaces that contain fuel-fired heating equipment 402	TOTAL UNITS			
laundries equal to or less than 100 square feet rooms or spaces that contain fuel-fired heating equipment 402	TOTAL UNITS REQUIRED PROVIDED REQUIRED PROVIDED REQUIRED PROVIDED REQUIRED PROVIDED REQUIRED PROVIDED REQUIRED PROVIDED	BARTLETT	BARTLETT	-
laundries equal to or less than 100 square feet rooms or spaces that contain fuel-fired heating equipment 402	TOTAL UNITS ACCESSIBLE UNITS UNITS UNITS UNITS UNITS UNITS UNITS UNITS PROVIDED REQUIRED PROVIDED REQUIRED PROVIDED PROVIDED N/A ACCESSIBLE UNITS PROVIDED PROVIDED PROVIDED PROVIDED PROVIDED ACCESSIBLE PARKING LOT OR PARKING TOTAL # PARKING SPACES # ACCESSIBLE SPACES PROVIDED TOTAL #	BARTLETT ENGINEERING & SURVEYING, PC	BARTLETT ENGINEERING & SURVEYING, PO	- C
2 laundries equal to or less than 100 square feet 2 rooms or spaces that contain fuel-fired heating equipment 3 402	TOTAL UNITS ACCESSIBLE UNITS UNITS UNITS UNITS UNITS UNITS UNITS UNITS PROVIDED REQUIRED PROVIDED REQUIRED PROVIDED PROVIDED N/A ACCESSIBLE UNITS PROVIDED PROVIDED PROVIDED PROVIDED PROVIDED ACCESSIBLE PARKING LOT OR PARKING TOTAL # PARKING SPACES # ACCESSIBLE SPACES PROVIDED TOTAL #	BARTLETT ENGINEERING & SURVEYING, PC 1906 Nash Street North Wilson, NC 27893-1726 V (252) 399-0704 F (252) 399-0804	BARTLETT ENGINEERING & SURVEYING, PO 1906 Nash Street North Wilson, NC 27893-1726 V (252) 399-080	C 04 04
2 laundries equal to or less than 100 square feet 2 rooms or spaces that contain fuel-fired heating equipment 402	TOTAL UNITS ACCESSIBLE UNITS UNITS UNITS UNITS UNITS UNITS UNITS UNITS UNITS PROVIDED REQUIRED PROVIDED REQUIRED PROVIDED **ACCESSIBLE PARKING** **ACCESSIBLE PARKING** **ACCESSIBLE PARKING** **ACCESSIBLE PARKING** **ACCESSIBLE PARKING** **ACCESSIBLE PARKING** **ACCESSIBLE SPACES PROVIDED** **ACCESSIBLE PARKING** **ACCESSIBLE SPACES PROVIDED** **ACCESSIBLE PARKING** **ACCESSIBLE PARKING** **ACCESSIBLE SPACES PROVIDED** **ACCESSIBLE SPACES PROVIDE	BARTLETT ENGINEERING & SURVEYING, PC 1906 Nash Street North V (252) 399-0704	BARTLETT ENGINEERING & SURVEYING, PO 1906 Nash Street North V (252) 399-070	C 04 04
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2 laundries equal to or less than 100 square feet 2 rooms or spaces that contain fuel-fired heating equipment 402	TOTAL UNITS REQUIRED PROVIDED TOTAL # ACCESSIBLE SPACES PROVIDED AREA DESIGNATION REQUIRED PROVIDED REGULAR WITH STACKESS ALSLE ALSLE SPACES PROVIDED STACKES PROVIDED ALSLE SPACES PROVIDED SPACES PR	BARTLETT ENGINEERING & SURVEYING, PC 1906 Nash Street North Wilson, NC 27893-1726 V (252) 399-0704 F (252) 399-0804	BARTLETT ENGINEERING & SURVEYING, PO 1906 Nash Street North Wilson, NC 27893-1726 V (252) 399-080	C 04 04
2 laundries equal to or less than 100 square feet 2 rooms or spaces that contain fuel-fired heating equipment 402	TOTAL UNITS ACCESSIBLE UNITS UNITS UNITS UNITS UNITS UNITS UNITS UNITS UNITS PROVIDED REQUIRED PROVIDED REQUIRED PROVIDED **ACCESSIBLE PARKING** **ACCESSIBLE PARKING** **ACCESSIBLE PARKING** **ACCESSIBLE PARKING** **ACCESSIBLE PARKING** **ACCESSIBLE PARKING** **ACCESSIBLE SPACES PROVIDED** **ACCESSIBLE PARKING** **ACCESSIBLE SPACES PROVIDED** **ACCESSIBLE PARKING** **ACCESSIBLE PARKING** **ACCESSIBLE SPACES PROVIDED** **ACCESSIBLE SPACES PROVIDE	BARTLETT ENGINEERING & SURVEYING, PC 1906 Nash Street North Wilson, NC 27893-1726 License # C-1551 V (252) 399-0704 F (252) 399-0804 www.bartlett.us.com	BARTLETT ENGINEERING & SURVEYING, PO 1906 Nash Street North Wilson, NC 27893-1726 License # C-1551 V (252) 399-070 F (252) 399-080 www.bartlett.us.com	C 04 04
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Prooms or spaces that contain fuel-fired heating equipment 402	TOTAL UNITS UNITS REQUIRED PROVIDED STATES ACCESSIBLE SPACES PROVIDED ALSE SPACES PROVIDED STATES ACCESSIBLE SPACES PROVIDED STATES ACCESSIBLE SPACES PROVIDED ALSE SPACES PROVIDED STATES ACCESSIBLE SPACES PROVIDED STATES ACCESSIBLE SPACES PROVIDED ALSE SPACES PROVIDED STATES ACCESSIBLE SPACES PROVIDED ALSE SPACES PROVIDED ALSE SPACES PROVIDED STATES ACCESSIBLE SPACES PROVIDED ALSE SPACES PROVI	BARTLETT ENGINEERING & SURVEYING, PC 1906 Nash Street North Wilson, NC 27893-1726 License # C-1551 V (252) 399-0704 F (252) 399-0804 www.bartlett.us.com	BARTLETT ENGINEERING & SURVEYING, PO 1906 Nash Street North Wilson, NC 27893-1726 License # C-1551 V (252) 399-070 F (252) 399-080 www.bartlett.us.com	C 04 04





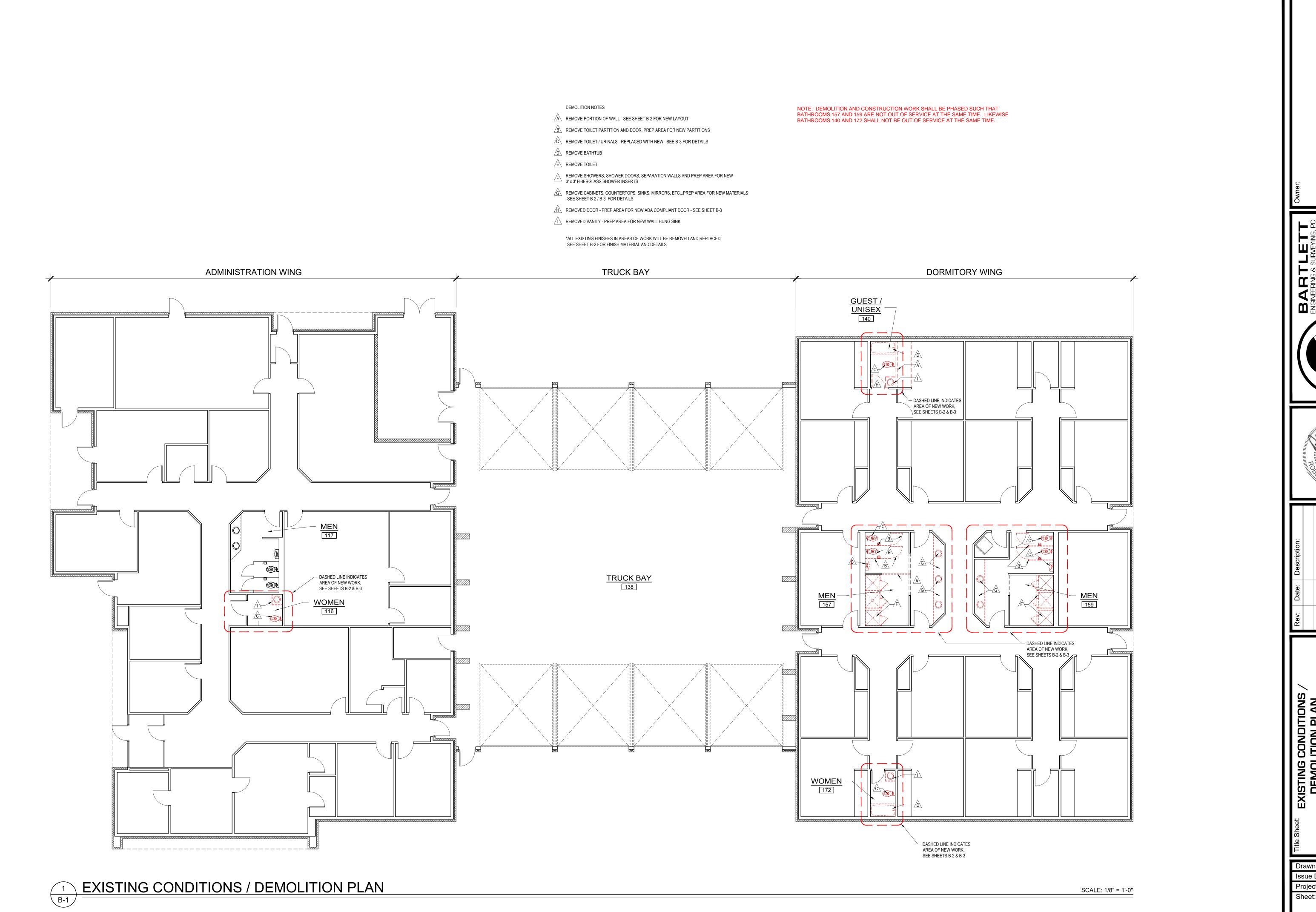
LIFE SAFETY PLAN

Rescue Services Wilson Fire Drawn by: M. WINSTEAD

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

Issue Date: 4-21-20
Project Number: 19-174
Sheet:

LS-1



Wilson Fire & Rescue Service

Rev: Date: Description:

DEMOLITION PLAN

Lestroom Renovations for On Fire Station 1

rawn by: M. WINSTEAD sue Date: 4-21-20

Issue Date: 4-21
Project Number: 19Sheet:

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

WALL LEGEND						
SYMBOL	DESCRIPTION					
	EXISTING EXTERIOR: METAL STUD FRAMED WALLS w/ BRICK VENEER,					
	EXISTING INTERIOR METAL STUD WALLS					
	PROPOSED LIGHT GAUGE METAL STUDS @ 16" O.C. UP TO 9'-6" A.F.F. (362S162-43)					
NOTES: 1. ALL OTHER INTERIOR FRAMED WALLS TO HAVE SOUND BATT INSULATION. 2. ALL INTERIOR FRAMED WALLS TO BE BRACED TO AS REQUIRED.						

DOOR HARDWARE SCHEDULE

ALL HARDWARE TO HAVE "CHROME" FINISH, U.N.O.

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

FLOOR CERAMIC TILE: EURASIA GLAZED PORCELAIN COLOR = GRIGIO - SEE FINISH SCHEDULE EXTERIOR & INTERIOR DOOR HINGES: BALL BEARING HINGES WITH 32D FINISH

BASE: CERAMIC TILE: EURASIA GLAZED PORCELAIN COLOR = GRIGIO - SEE FINISH SCHEDULE

INTERIOR FINISHES:

ACCESSORIES:

CERAMIC TILE TO 4'-9" A.F.F. *EURASIA GLAZED PORCELAIN

PAINT - SATIN LATEX EGGSHELL

COLOR: SELECTION BY OWNER

COLOR:SELECTION BY OWNER

CULTURED MARBLE COUNTER TOPS: CAROLINA MARBLE PRODUCTS INC.

WURTH WOOD GROUP

COLOR: 108 FOLKSTONE

MELAMINE FINISH

RESTROOM ACCESSORIES:

PAPER HOLDER:

SHOWER DOOR:

TOILET PARTITION:

SHOWER:

ADA SHOWER

TOWEL DISPENSER: SOAP DISPENSER:

GRAB BARS AT TOILETS:

COLOR = GRIGIO - SEE FINISH SCHEDULE

(ALL SURFACES TO BE PRIMED PER PAINT MANUF. SPECIFICATIONS)

INTERIOR WOOD DOORS:

MASONITE ARCHITECTURAL, SOLID CORE BIRCH OR EQUAL 1. STAINED TO MATCH EXISTING DOORS

BY OWNER

BY OWNER

OR EQUAL

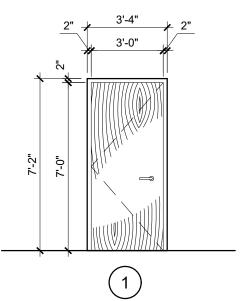
-OR EQUAL

COLOR: COUNTRY GREY ON WHITE

SEE FINISH SCHEDULE

DOOR STOPS: "McKINNEY" WROUGHT WALL STOPS No. WS02 WITH STAINLESS STEEL FINISH OR EQUAL.

NOTE: EACH DOOR TO HAVE DOOR STOPS, SEE HARDWARE SCHEDULE NOTE: G.C. TO FURNISH AND INSTALL ALL ADA TOILET SIGNAGE



INTERIOR - BATHROOM

DOOR: 3'-0" x 7'-0" x 1-3/4", SOLID CORE BIRCH w/ FINISH TO MATCH EXISTING, DOOR STOP, PRIVACY LEVER LOCKSET

FRAME: 16 GAUGE PAINTED HOLLOW

-- MARBLE TOP & BACK SPLASH,

TOP OF COUNTER

MELAMINE FRONT & ALL

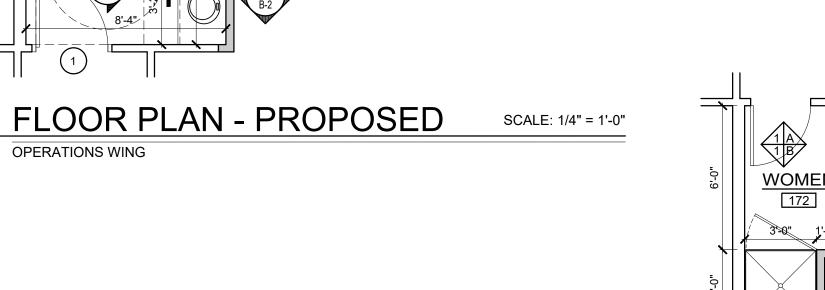
REMOVABLE PANEL FOR

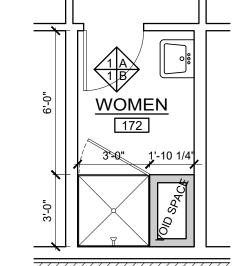
PLUMBING ACCESS

FINISH FLOOR

TYPICAL RESTROOM ACCESSIBLE VANITY SECTION

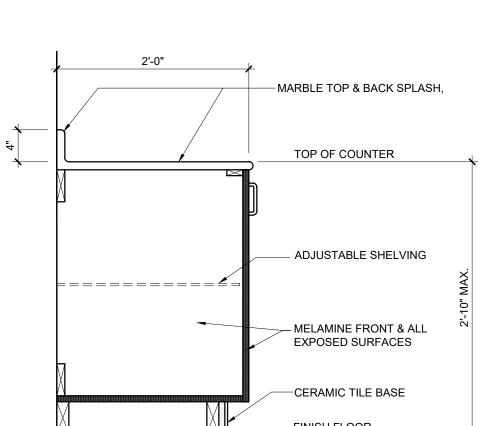
EXPOSED SURFACES







DETAIL



GENERAL NOTES

5/8" MOISTURE-RESISTANT GYPSUM FROM 4'-9" A.F.F. TO CEILING, SEE FINISH SCHEDULE

2'x2' VINYL COATED 1142-CRF-1 OR EQUAL - IN SHOWER AREA

<u>CEILING:</u> CERTAINTEED, 2'x2' SQUARE EDGE HHF-157 OR EQUAL, WHITE TILE / BLACK GRID

AMERICAN SPECIALTIES #7305-2S OR EQUAL

AMERICAN SPECIALTIES - #3801P, 18", 36", 42"

COLOR SELECTION BY OWNER

ACCURATE PARTITIONS CORP, SOLID PLASTIC (HDPE)

& SLIDE BAR & FOLD DOWN ADA SHOWER SEAT. -OR EQUAL

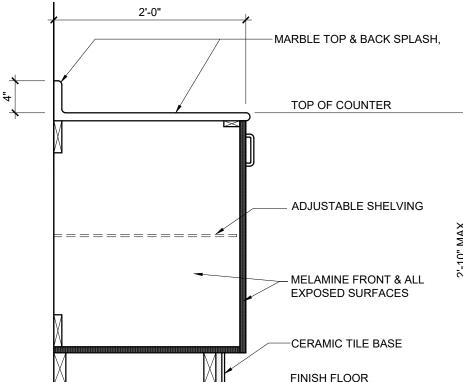
CORAL FRAMED 7,000 SERIES W/ CLEAR VISION - AQUAVIEW GLASS

SYMMONS "ALLURA" FIBERGLASS COMMERCIAL SHOWER SYSTEM WITH

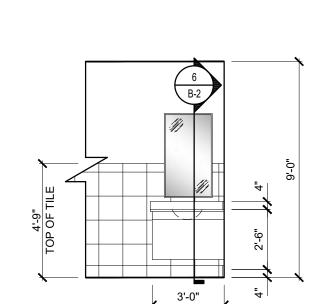
SYMMONS "ALLURA" FIBERGLASS COMMERCIAL SHOWER SYSTEM WITH

WALL/HAND SHOWER LEVER HANDLE & PRESSURE-BALANCING MIXING VALVE

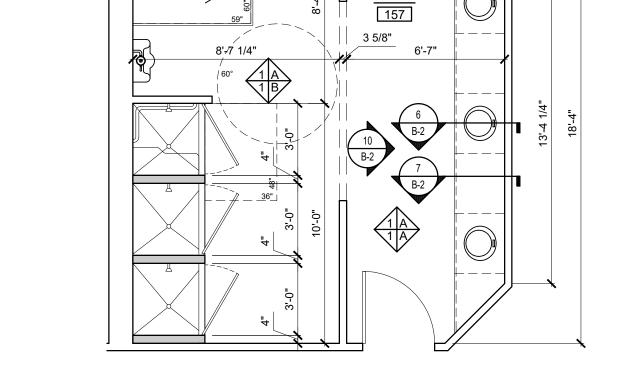
WALL/HAND SHOWER, LEVER HANDLE, PRESSURE-BALANCING MIXING VALVE







CABINET ELEVATION



WOMEN

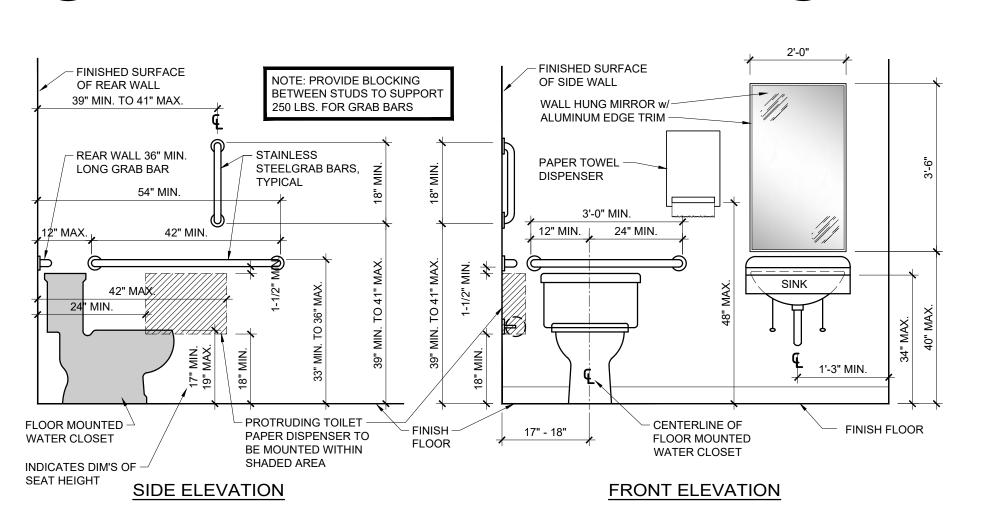
ADMINISTRATION WING

FLOOR PLAN - PROPOSED

FLOOR PLAN - PROPOSED SCALE: 1/4" = 1'-0" B-2 DPERATIONS WING

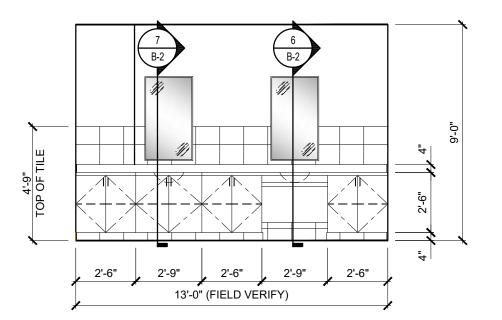
FLOOR PLAN - PROPOSED B-2 OPERATIONS WING

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

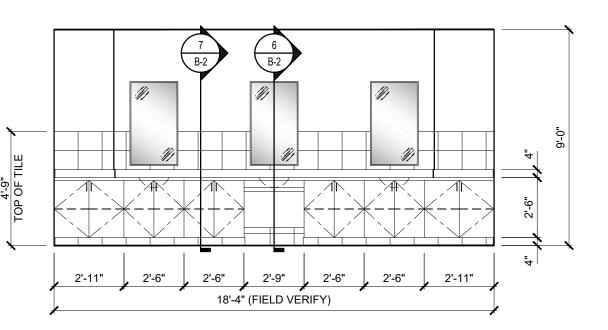


NOTE: THIS DRAWING IS FOR THE PURPOSE OF SHOWING TOILET MOUNTING HEIGHTS REQUIRED BY THE ACCESSIBILITY CODE ONLY.

DETAIL NOT TO SCALE B-2 TYPICAL TOILET ACCESSIBILITY REQUIREMENTS



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



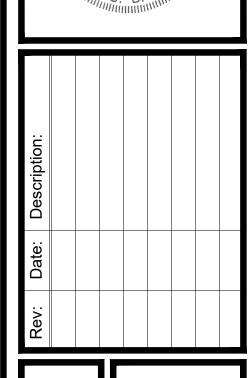
CABINET ELEVATION

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

SCALE: 1" = 1'-0"

escue Wilson, N Ĭ Wilson 307 Hir





Drawn by: M. WINSTEAD 4-21-20 Issue Date: Project Number: 19-174 **B-2**

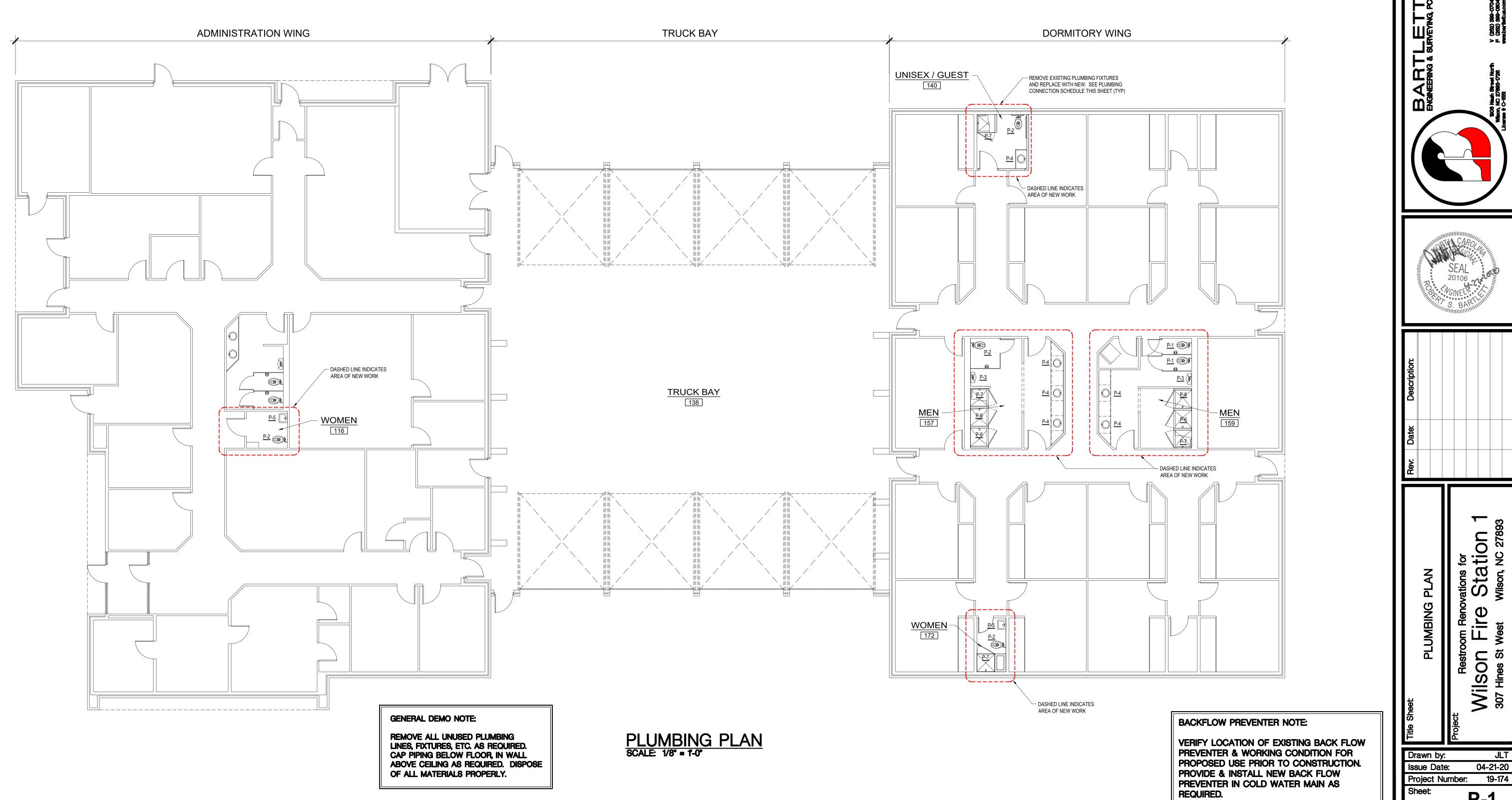
GENERAL PLUMBING NOTES

- 1. ALL WORK SHALL BE IN COMPLIANCE WITH LOCAL, STATE, AND NATIONAL CODES.
- 2. CONTRACTOR SHALL COORDINATE PIPING WITH ALL OTHER TRADES.
- 3. CONTRACTOR SHALL REFER TO "B" SHEETS FOR DIMENSIONS.
- 4. CONTRACTOR SHALL FURNISH AND INSTALL DIELECTRIC UNIONS AT ALL CONNECTIONS BETWEEN DISSIMILAR METALS.
- 5. CONTRACTOR SHALL FURNISH AND INSTALL ESCUTCHEONS AND COVER PLATES AT ALL FINISHED WALLS, CEILINGS AND FLOOR OPENINGS.
- 6. PIPING SHALL BE DISINFECTED IN ACCORDANCE WITH STATE AND LOCAL CODE.
- ALL PIPING SHALL BE TESTED FOR LEAKS. IF ANY LEAKS ARE DETECTED THE PIPING SHALL BE REPAIRED OR REPLACED AND RETESTED.
- 8. INSULATE ALL NEW HOT & COLD WATER PIPING.
- 9. NEW SUPPLY PIPING SHALL BE PEX
- 10. NEW WASTE AND VENT PIPING SHALL BE SCH. 40 PVC.
- 11. SET HOT WATER TEMPERATURE FROM LAVATORY & HAND SINK FAUCETS TO 115 DEGREE F. MAX.
- 12. PROVIDE SHUT-OFF VALVES IN ALL SUPPLY PIPING LINES ABOVE CEILING FOR ALL DROPS AND AT PLUMBING FIXTURES. PROVIDE ACCESS TO ALL VALVES AS REQUIRED IN HARD CEILINGS.

PLUMBING CONNECTION SCHEDULE							
FIXTURE	cw	HW	WASTE	VENT			
FLUSH VALVE WATER CLOSET	1"	-	3"	2"			
LAVATORY	1/2"	1/2"	2"	1 1/2"			
F.V. URINAL	3/4"	-	2"	1 1/2"			
SHOWER	1/2"	1/2"	2"	1 1/2"			

	PLUMBING FIXTURE SCHEDULE						
MARK	MAKE	DESCRIPTION					
<u>P-1</u>	AMERICAN STANDARD OR EQUAL	1.6 GAL. ELONGATED FLUSH VALVE WATER CLOSET WITH OPEN FRONT SEAT & BATTERY FLUSH VALVE SYSTEM					
<u>P-2</u>	AMERICAN STANDARD OR EQUAL	1.6 GAL. ELONGATED 17"H H/C ACCESSIBLE FLUSH VALVE WATER CLOSET WITH OPEN FRONT SEAT & BATTERY FLUSH VALVE SYSTEM. ADA COMPLIANT					
<u>P-3</u>	AMERICAN STANDARD OR EQUAL	H/C ACCESSIBLE 3/4" FLUSH VALVE WALL-HUNG URINAL WITH BATTERY FLUSH VALVE SYSTEM. RIM 17" AFF. ADA COMPLIANT					
<u>P-4</u>	AMERICAN STANDARD OR EQUAL	SELF-RIMMING H/C ACCESSIBLE LAVATORY WITH FAUCET. RIM 34" AFF. ADA COMPLIANT TEMP. @ FAUCET SET @ 115°F MAX.					
<u>P-5</u>	AMERICAN STANDARD OR EQUAL	WALL-HUNG H/C ACCESSIBLE LAVATORY WITH FAUCET. RIM 34" AFF. ADA COMPLIANT TEMP. @ FAUCET SET @ 115°F MAX.					
<u>P-6</u>	SYMMONS OR EQUAL	"ALLURA" FIBERGLASS COMMERCIAL SHOWER SYSTEM WITH WALL/HAND SHOWER, LEVER HANDLE & PRESSURE-BALANCING MIXING VALVE					
<u>P-7</u>	SYMMONS OR EQUAL	"ALLURA" H/C ACCESSIBLE, FIBERGLASS COMMERCIAL SHOWER SYSTEM WITH WALL/HAND SHOWER, LEVER HANDLE, PRESSURE-BALANCING MIXING VALVE & SLIDE BAR & FOLD DOWN ADA SHOWER SEAT. ADA COMPLIANT					

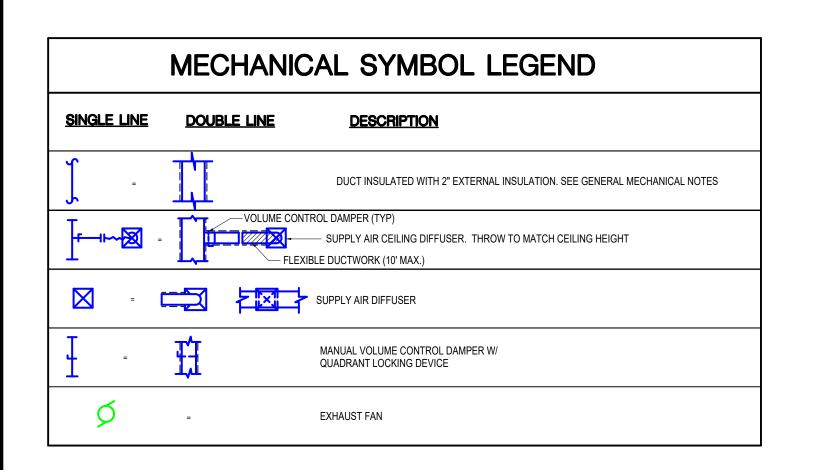
NOTES: 1. FLUSHER'S FOR WATER CLOSETS SHALL BE ON APPROACH SIDE OF FIXTURE. 2. COORDINATE ALL FIXTURES AND FAUCETS WITH OWNER PRIOR TO INSTALLATION.



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	EXHAUST FAN SCHEDULE										
MARK	MAKE	MODEL	TYPE	CFM	EX. S.P.	WATTS	ELI	ECTRI	CAL		
MARK	MARE	MODEL	ITPE	CFM	EA. 5.P.	WAIIS	VOLT	PH.	HZ.		
<u>EF-1 & 5</u>	GREENHECK OR EQUAL	SP-A125	CABINET EXHAUST	125	0.125	52.5	120	1	60		
<u>EF-2</u>	GREENHECK OR EQUAL	SP-A390	CABINET EXHAUST	300	0.25	135	120	1	60		
<u>EF-3 & 4</u>	GREENHECK OR EQUAL	SP-A190	CABINET EXHAUST	150	0.25	113	120	1	60		
<u>EF-6</u>	GREENHECK OR EQUAL	SP-A90	CABINET EXHAUST	75	0.125	29.4	120	1	60		

METAL-AIRE SERIES 5000 EXTRUDED ALUMINUM SUPPLY 6" RND

METAL-AIRE SERIES 5000 EXTRUDED ALUMINUM SUPPLY 10" RND

NOTES:

1 INTERLOCK EXHAUST FANS WITH LIGH

INTERLOCK EXHAUST FANS WITH LIGHTS
 PROVIDE EXHAUST FANS WITH DISC & BDD

REGISTER, GRILLE & DIFFUSER SCHEDULE							
	CFM	NECK SIZE	MAKE *	MODEL	MATERIAL	TYPE	DUCT SIZE

NOTES:

250-400

1. ALL BRANCH DUCTS AND RUN OUTS SHALL HAVE MANUAL LOCKING QUADRANT BALANCING DAMPERS.

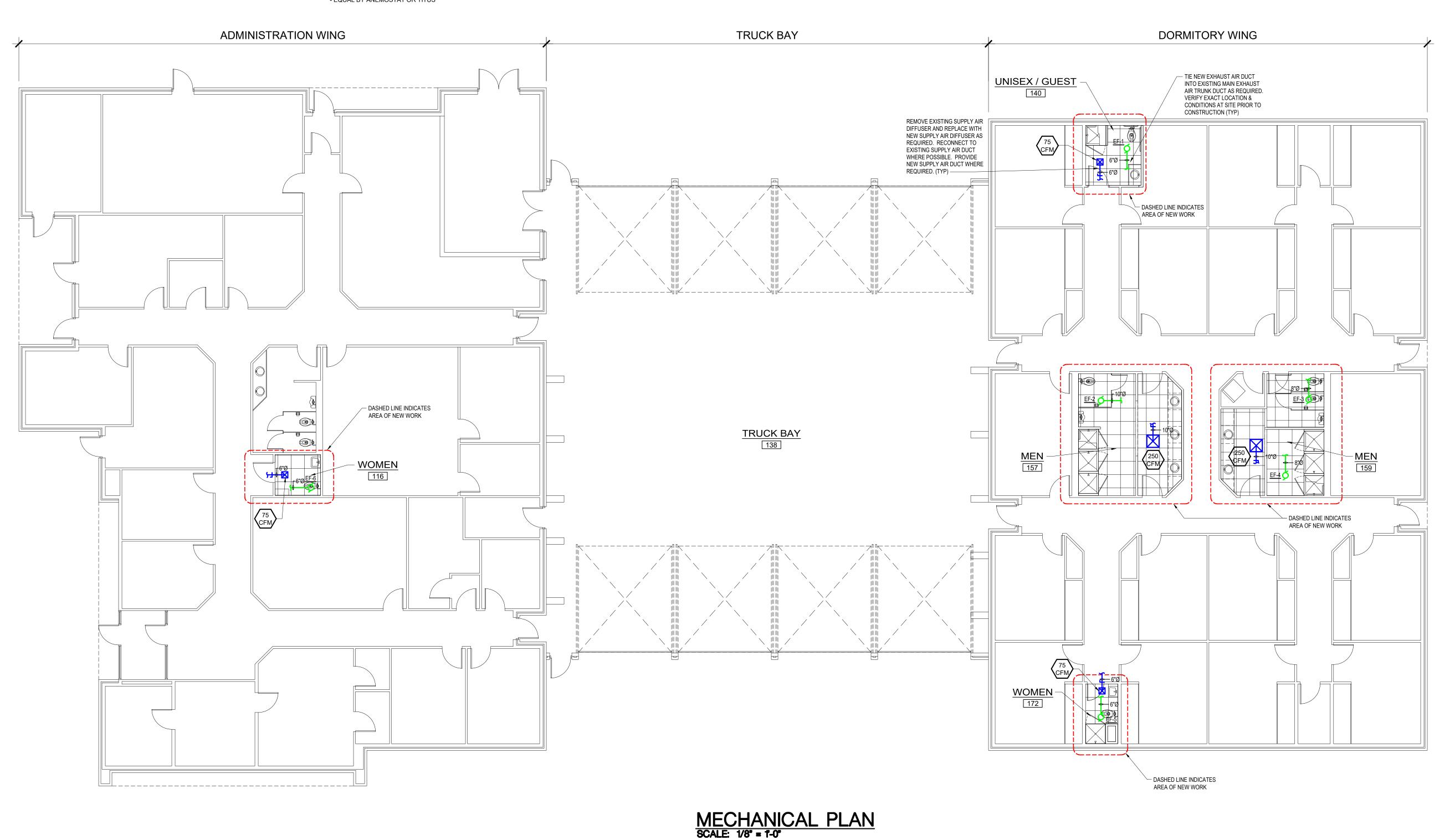
ALL DIFFUSERS SHALL BE FACTORY INSULATED.
 PANEL / FACE SHALL BE SUITABLE FOR CEILING TYPE.

12x12

* - EQUAL BY ANEMOSTAT OR TITUS

GENERAL MECHANICAL NOTES:

- 1. ALL WORK SHALL BE IN COMPLIANCE WITH LOCAL, STATE, AND NATIONAL CODES.
- 2. DUCTWORK LAYOUTS ARE SCHEMATIC. ALL RISES, DROPS, OFFSETS, AND TRANSITIONS REQUIRED BUT NOT SHOWN SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. DUCTWORK SHALL BE GALVANIZED STEEL AND SHALL BE IN CONSTRUCTED IN COMPLIANCE WITH SMACNA STANDARDS FOR LOW VELOCITY DUCTWORK.
- 3. ALL HARD ROUND DUCTWORK SHALL BE GALVANIZED STEEL AS OR APPROVED EQUAL. LOCK FORMING SHALL MEET ASTM A-527 STANDARDS. DUCT SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. FLEXIBLE SHALL BE CLEVAFLEX, TYPE 12 FV. FLEXIBLE RUN OUTS SHALL NOT EXCEED 10'-0" AND SHALL NOT BE USED TO FORM ELBOWS. CONNECTIONS FROM RECTANGULAR TO ROUND DUCT SHALL BE MADE WITH MANUFACTURED 45 DEG. LATERAL TAPS.
- 4. NEW SUPPLY DUCTWORK SHALL BE INSULATED WITH FIBERGLASS INSULATION WITH A MINIMUM THERMAL RESISTANCE OF R-8 AND AN ATTACHED VAPOR BARRIER. DIFFUSERS SHALL BE INSULATED WITH FIBERGLASS INSULATION WITH VAPOR BARRIER. ALL JOINTS SHALL BE TAPED TO PROVIDE A CONTINUOUS VAPOR BARRIER.
- DUCT SIZES SHOWN ARE NET DIMENSIONS. DUCT SIZES SHOULD BE INCREASED TO ALLOW FOR LINING WHEN USED. DUCT LINER SHALL BE INSTALLED FROM THE A.H.U.
 5. RETURN TO THE FIRST 90 DEG. ELBOW OR IF NO ELBOW, FROM UNIT RETURN TO 10'-0" DOWNSTREAM. ACOUSTICAL LINER SHALL BE 1" THICK X 1/2LB. DENSITY. ALL
 DUCTWORK SHALL BE SEALED AIR TIGHT WITH SEALING COMPOUND.
- 6. EXHAUST FANS AND DUCTWORK BY MECHANICAL CONTRACTOR. WIRING FOR EXHAUST FANS BY ELECTRICAL CONTRACTOR.
- 7. MECHANICAL CONTRACTOR TO PROVIDE AN AIR BALANCE REPORT UPON COMPLETION OF WORK TO OWNER AND LOCAL BUILDING INSPECTOR.



Wilson Fire & Rescue Service

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ENGINEERING & SURVEYING

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Rev: Date: Description:

Restroom Renovations for SON Fire Station 1

Drawn by: JLT Issue Date: 04-21-20

ELECTRICAL LEGEND							
MARK DESCRIPTION MARK DESCRIPTION							
0	"LED" RECESSED LIGHT FIXTURE	Ø	EXHAUST FAN				
	"LED" LIGHT FIXTURE	~~	SWITCHED BRANCH CIRCUIT				
\$	SINGLE-POLE SWITCH	۲ ٦	UNSWITCHED BRANCH CIRCUIT				

ELECTRICAL SYSTEM AND EQUIPM	IENT:
Method of Complience :	
Prescriptive (Energy Code)	Prescriptive (ASHRAE 90.1)
Performance (Energy Code)	Performance (ASHRAE 90.1)
Lighting Schedule	
Lamp type required in fixture	THIS SHEET
Number of lamps in fixture	
Ballast type used in fixture	
Number of ballasts in fixture	
Total wattage per fixture	

Total interior wattage specified -vs- allowed ____

Total exterior wattage specified -vs- allowed ____

506.2.1 More Efficient Mechanical Equipment

☐ 506.2.3 Energy Recovery Ventilation Systems

506.2.5 On-Site Supply of Renewable Energy 506.2.6 Automatic Daylighting Control Systems

506.2.4 Higher Efficiency Service Water Heating

506.2.2 Reduced Lighting Power Density

Additional Prescriptive Compliance

GENERAL ELECTRICAL NOTES:

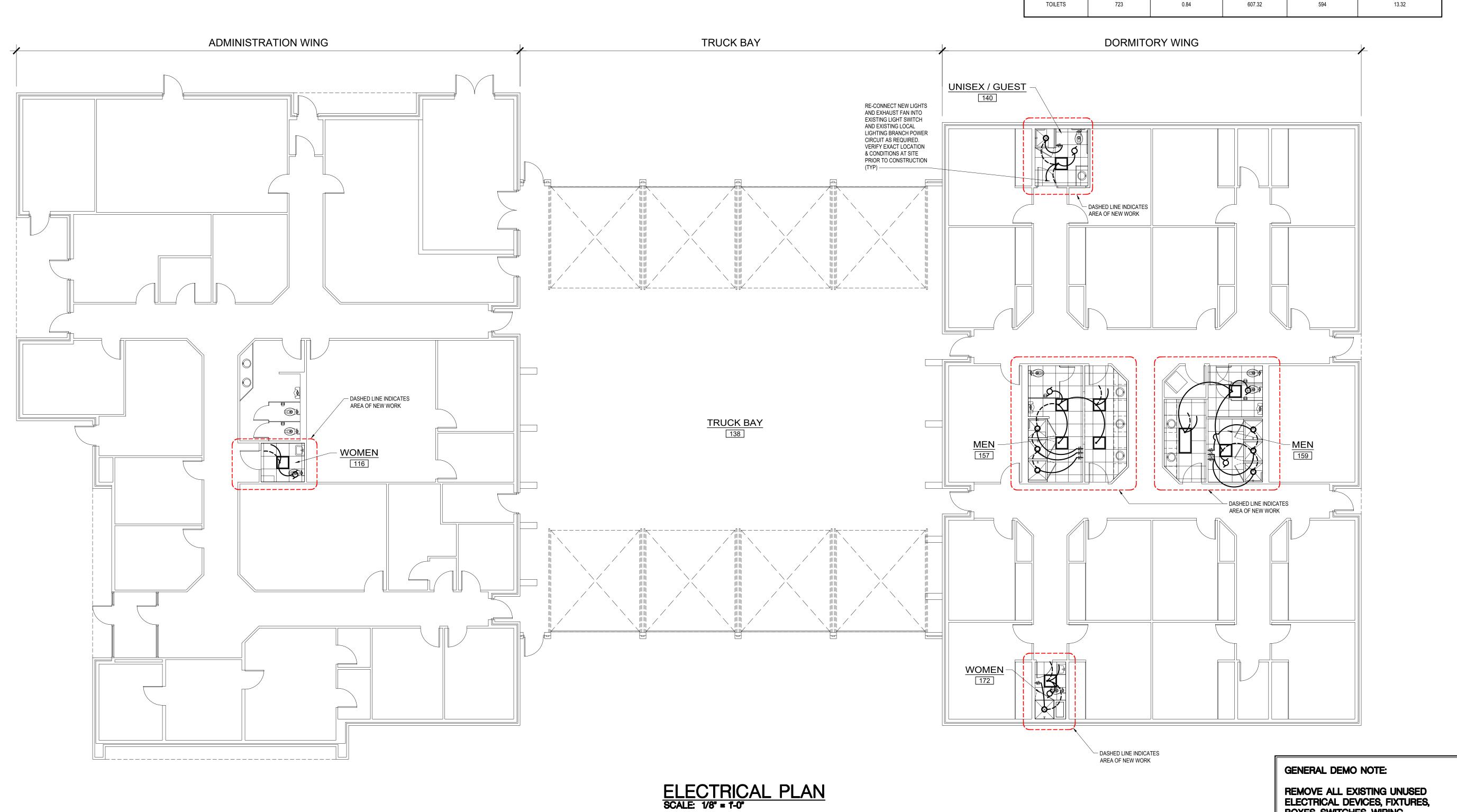
- WORK SHALL COMPLY WITH NATIONAL ELECTRICAL CODE (NEC) STATE BUILDING CODE, AND ALL REQUIREMENTS OF THE LOCAL INSPECTOR. ALL WORK SHALL BE BY LICENSED ELECTRICAL CONTRACTOR.
- 2. ALL BRANCH CIRCUITS SHALL BE E.M.T., RIGID CONDUIT OR MC CABLE AS PERMITTED. RIGID CONDUIT SHALL BE USED FOR CIRCUITS UNDER SLAB ON GRADE, OR WHERE APPROVED SCHEDULE 80 PVC MAY BE USED.
- 3. ALL CONDUCTORS SHALL BE COPPER.
- 4. NEW SWITCHES SHALL BE COMMERCIAL GRADE BRYANT, SIERRA, LEVITON BRAND EXCEPT AS SPECIFIED.
- 5. ALL CIRCUITS SHALL BE TESTED WITH 500 VOLT TESTER PRIOR TO ENERGIZING.
- 6. ELECTRICAL CONTRACTOR SHALL CONNECT TO TERMINALS OF MECHANICAL EQUIPMENT AND EQUIPMENT SUPPLIED BY OWNER.
- 7. EXHAUST FANS & DUCTWORK BY MECHANICAL CONTRACTOR. WIRING FOR EXHAUST FANS BY ELECTRICAL
- 8. MOUNTING HEIGHTS FOR ALL NEW SWITCHES TO BE ADA COMPLIANT PER ANSI A117.1

	LIGHT FIXTURE SCHEDULE									
SYMBOL	MANUFACTURER	DESCRIPTION	LAMPS							
O I MIDOL	MANUIACIONEN	MANUFACTUREN DESCRIPTION		WATTS	TYPE	MOUNTING				
0	EELP OR EQUAL	VersaLED 2X4 LED LIGHTING PANEL WITH CLEAR ACRYLIC LENS. 120V 4,652 LUMENS, 4,000K COLOR TEMP.	-	50	LED'S	LAY-IN				
•	EELP OR EQUAL	VersaLED 2X2 LED LIGHTING PANEL WITH CLEAR ACRYLIC LENS. 120V 4,134 LUMENS, 4,000K COLOR TEMP	-	40	LED'S	LAY-IN				
0	LITHONIA OR EQUAL	"LDN6" SERIES 6" LED DIMMABLE CAN LIGHT SUITABLE FOR WET / DAMP LOCATION. 2,000 LUMENS, 4,000K COLOR TEMP. 120V	-	23	LED'S	RECESSED				

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 USE	SQ. FT.	WATTS PER SQ.FT. ALLOWED	TOTAL WATTS ALLOWED	TOTAL WATTS USED	TOTAL WATTS LEFT OVER				
TOILETS	723	0.84	607.32	594	13.32				



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

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Drawn by: 04-21-20 Issue Date: Project Number: 19-174

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