HUDSON VALLEY HEALTH CARE SYSTEM



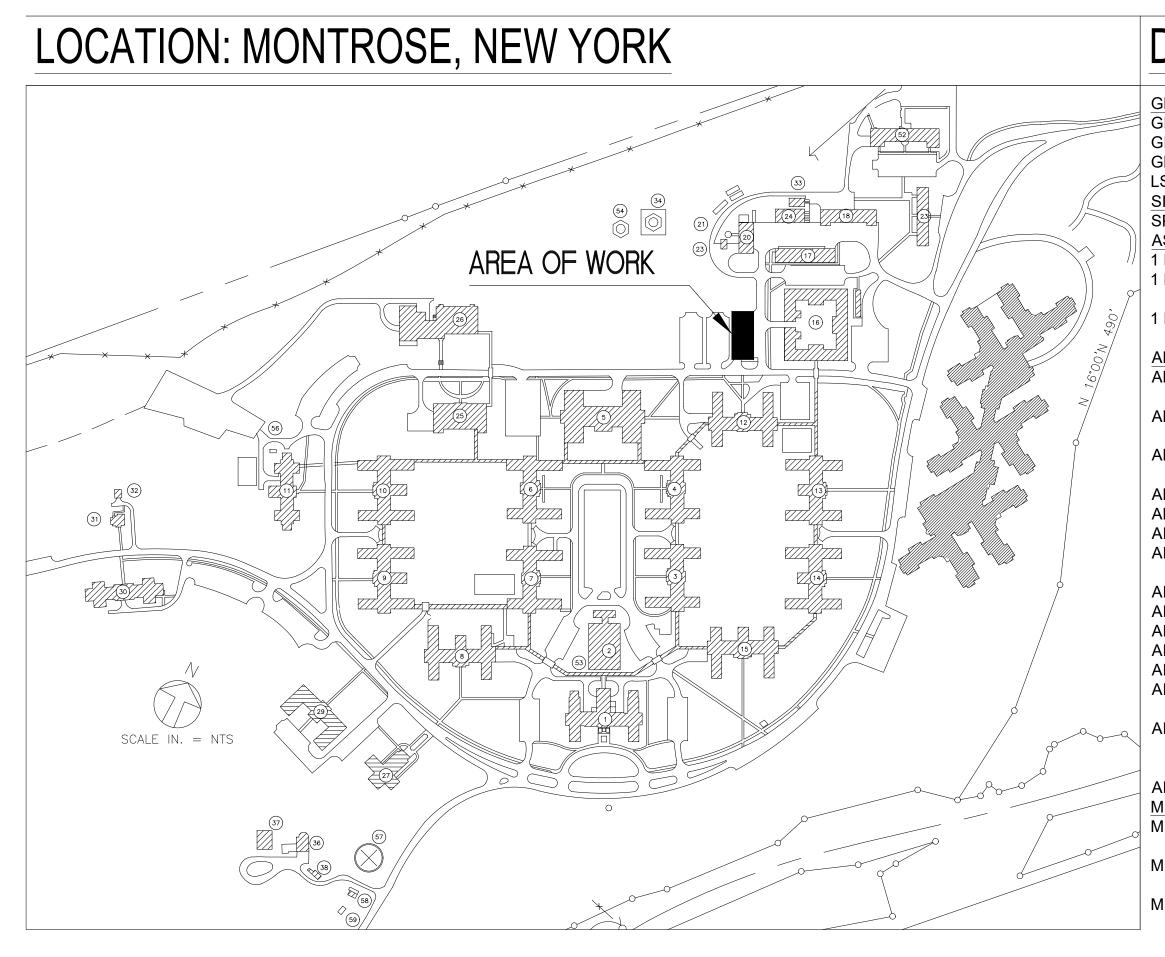


DEPARTMENT OF VETERAN AFFAIRS
MONTROSE & WAPPINGERS FALLS,
NEW YORK

EXISTING STEAM DISTRIBUTION

620-20-206
FIREHOUSE ENHANCEMENT

FRANKLIN DELANO ROOSEVELT
HOSPITAL
2094 ALBANY POST ROAD
MONTROSE, NY 10548



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KEY PLAN

1		CONSULTANTS:	ARCHITECT/ENGINEERS:	NORTH:	APPROVED:	APPROVED:	Drawing Title	Project Title	Project Number
1		CONSOLIAMIS.	AROTHLO I/LINGHALLING.	NOIXIII.				Firehouse Enhancement at	620-20-206
					APPROVED:	APPROVED:	Cover Sheet		Building(s) Number
Bid Documents	08-17-2021			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				FDR	019
100% Working Drawing Submission	08-16-2021								
95% Working Drawing Submission	05-21-2021				APPROVED:	APPROVED:	Approved: Facility Director , VAHVHCS:	Location	Drawing Number
65% Working Drawing Submission	02-26-2021							Montrose, New York	
35% Working Drawing Submission	02-26-2021				APPROVED:	APPROVED:	Approved: John Cliffe, Facility Chief of Engineering	Date Checked Drawn	GI 000
100% Preliminary Design Submission	10-30-2020				ALLINOVED.	ALTROVED.	Approved. John Chile, Facility Chief of Engineering		
Revisions:	Date:	1						08-17-2021 LS AMI	Dwg. 01 of 61

VA FORM 08-6231, OCT 1978

Engineering Service

Department of Veterans Affairs

GENERAL REQUIREMENTS

- 1. ALL WORK SHALL CONFORM TO ALL FEDERAL, STATE LOCAL RULES, LAWS, REGULATIONS, VETERANS AFFAIRS (VA) SPECIFICATION. ALL PLUMBING WORK SHALL CONFORM TO NATIONAL PLUMBING CODE, ALL ELECTRICAL WORK SHALL CONFORM TO NATIONAL ELECTRICAL CODE, AND ALL HEATING AND VENTILATING WORK SHALL COMPLY WITH AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS (ASHRAE) STANDARDS.
- 2. BEFORE BEGINNING ANY CUTTING OR DEMOLITION WORK, THE CONTRACTOR SHALL CAREFULLY SURVEY THE EXISTING CONDITIONS AND DETERMINE THE EXTENT OF THE WORK TO BE DONE. THE CONTRACTOR SHALL INSURE THAT STRUCTURAL ITEMS ARE NOT WEAKENED AND SHALL BE RESPONSIBLE FOR INCREASING OR ADDING STRUCTURAL SUPPORTS AS MAY BE REQUIRED AS A RESULT OF ANY CUTTING, REMOVAL OR DEMOLITION WORK.
- 3. CONTRACTOR SHALL REMOVE COMPLETELY AND/OR TERMINATE ALL EXPOSED MECHANICAL, ELECTRICAL OR PLUMBING ITEMS NOT INDICATED OR NECESSARY FOR THE FUNCTION ABILITY OF THE NEW DESIGNS.
- CONTRACTOR SHALL PROVIDE AND COORDINATE THE LOCATION OF ALL NEW OPENINGS IN ANY EXISTING WALLS OR FLOORS AS INDICATED ON THESE DRAWINGS OR AS NECESSARY FOR THE COMPLETION OF NEW WORK SHOWN OR IMPLIED.
- SHUT-DOWN AND TIE-INS: 48 HOUR MINIMUM NOTICE SHALL BE GIVEN THE CONTRACTING OFFICER IN WRITING FOR ALL SHUT-DOWNS OR TIE-INS. SHUT-DOWNS AND TIE-INS SHALL BE DONE AT SUCH TIMES AND HOURS SO AS NOT TO INTERFERE WITH THE VETERANS AFFAIRS OPERATION. ALL OVERTIME EXPENSES REQUIRED FOR SHUT-DOWNS AND TIE-INS SHALL BE BORNE BY THE CONTRACTOR.
- 6. CONTRACTOR SHALL CAREFULLY COORDINATE THE LOCATION OF ALL NEW OPENINGS TO BE CUT IN EXISTING WALLS OR FLOORS.
- REMOVALS SHALL BE PERFORMED WITHOUT DAMAGE TO ADJACENT RETAINED WORK, HOWEVER WHERE SUCH WORK IS DAMAGED, THE CONTRACTOR SHALL PATCH, REPAIR OR OTHERWISE RESTORE DAMAGED ITEMS TO THE SATISFACTION OF THE CONTRACTING OFFICER.
- 8. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD. DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND DRAWINGS AND/OR SPECIFICATIONS SHALL BE REPORTED TO THE CONTRACTING OFFICER IN WRITING FOR CLARIFICATION. WORK SHALL NOT PROCEED UNTIL SUCH CLARIFICATION HAS BEEN RECEIVED.
- 9. SHOULD UNFORESEEN CONDITIONS OR OTHER CAUSES NECESSITATE CONSTRUCTION DETAILS NOT IN ACCORDANCE WITH THESE PLANS, THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER AND SUBMIT HIS DETAILS SHOWING THE PROPOSED METHODS TO ACCOMPLISH THE REQUIRED RESULTS.
- 0. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PATCHING, REPAIRING AND FINISHING OF ALL DISTURBED AREAS. PATCHING OF SURROUNDING AREAS SHALL BE WITH MATERIALS TO MATCH EXISTING.
- 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, DISTORTIONS AND MISALIGNMENT ACCORDING TO APPLICABLE CODES, STANDARDS AND PRACTICE.
- 12. THE CONTRACTOR SHALL CARRY NEW WALL FINISHING WORK (PAINTING, WAINSCOAT, MOLDING, COVEBASE, ETC.) TO AN APPROPRIATE STOPPING POINT (CHANGE IN WALL DIRECTION).
- 13. PROTECTION OF PERSONNEL: WHERE THE SAFETY OF PEDESTRIANS AND DRIVERS ARE ENDANGERED IN THE AREA OF REMOVAL WORK, BARRICADES FOR TRAFFIC SHALL BE USED AND ADVANCED NOTICE SHALL BE GIVEN TO THE CONTRACTING OFFICER PRIOR TO BEGINNING ANY SUCH WORK.
- 14. THE CONTRACTOR SHALL CLEAN UP AND REMOVE DEBRIS FROM THE WORK SITE
- 15. THE CONTRACTOR SHALL MAINTAIN ACCESS TO EXISTING EXITS OR CREATE NEW EXITS AS REQUIRED BY THE CONTRACTING OFFICER FOR THE SAFETY OF BUILDING OCCUPANTS.
- 16. CONTRACTOR RESTRICTIONS: THE CONTRACTOR SHALL CHECK WITH AND RECEIVE APPROVAL FROM THE CONTRACTING OFFICER FOR ROUTES OF ACCESS AND SUPPLY STORAGE REGARDING THE GENERAL WORK AREA WITHIN THIS CONTRACT. V.A. DOES NOT PROVIDE STORAGE OUSIDE OF COTRACT AND CONTRACT AREA.
- 17. SUBSTITUTION OF MATERIALS: WHERE EXISTING MATERIALS OF ANY KIND MUST BE REPLACED FOR ANY REASON AS A RESULT OF THE WORK HERE UNDER AND EXACT DUPLICATES ARE NOT AVAILABLE, THEIR FUNCTIONAL EQUIVALENTS MAY BE SUBSTITUTED UPON RECEIPT OF PRIOR WRITTEN APPROVAL FROM THE CONTRACTING OFFICER.
- 18. DRAWING DIMENSIONS ARE TO AND ARE ACTUAL METAL STUD SIZE.
- 19. ENSURE THAT ALL WALLS, CEILING AND ROOF STRUCTURE ARE PROPERLY BRACED AND SUPPORTED PRIOR TO REMOVAL OF ANY STRUCTURAL ELEMENTS. ALL WALLS TO BE REMOVED TO FULL HEIGHT UNLESS OTHERWISE INDICATED.
- 20. THE GENERAL CONTRACTOR SHALL MODIFY THE EXISTING ELECTRICAL AND EXISTING MECHANICAL SYSTEMS TO CONFORM TO NEW DESIGN CONDITIONS.
- 21. ALL BIDDERS AND CONTRACTORS ARE RECOMMENDED TO VISIT THE SITE BEFORE SUBMITTING BIDS, TO INSPECT THE PREMISES AND VIEW THE EXISTING CONDITIONS TO VERIFY ALL CONDITIONS, SIZES AND QUANTITIES. PLANS ARE FURNISHED TO INDICATE THE SCOPE OF THE INTENDED CONTRACT WORK. EXISTING CONDITIONS WHICH MIGHT PRECLUDE OR INTERFERE WITH THE PROPOSED WORK AS DRAWN OR SPECIFIED SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER FOR RESOLVING. RELOCATIONS MUST BE CHECKED TO VERIFY THEIR FEASIBILITY IN ACCORDANCE WITH THE NEW REQUIREMENTS.
- 22. ALL NEW PENETRATIONS THRU EXISTING CONSTRUCTION SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER. CARE SHALL BE TAKEN TO PROVIDE STRAIGHT AND CLEAN CUTS. PATCH TO MATCH EXISTING ADJACENT CONSTRUCTION. PROVIDE NEW WATERPROOFING TO MATCH EXISTING AS REQUIRED.
- 23. THE ARCHITECTURAL DRAWINGS SHOW PRINCIPAL AREAS WHERE WORK MUST BE ACCOMPLISHED UNDER THIS CONTRACT. INCIDENTAL WORK MAY ALSO BE NECESSARY IN AREAS NOT SHOWN ON THE ARCHITECTURAL DRAWINGS DUE TO CHANGES AFFECTING EXISTING MECHANICAL, ELECTRICAL, PLUMBING, OR OTHER

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- SYSTEMS. SUCH INCIDENTAL WORK IS ALSO A PART OF THIS CONTRACT. INSPECT THOSE AREAS, AND ASCERTAIN WORK NEEDED, AND DO THAT WORK IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS, AT NO ADDITIONAL COST.
- 24. TRADE, PRODUCT, OR MANUFACTURER'S NAMES OR CATALOG NUMBERS SHOWN ON THE DRAWINGS FOR NEW PRODUCTS ARE TO ESTABLISH QUALITY REQUIRED. IN EACH CASE ADD, BY INFERENCE, AFTER TRADE, PRODUCT, OR MANUFACTURER'S NAME, THE PHRASE "OR APPROVED EQUAL".
- 25. EXCEPT IN SPACES WHERE NO WORK UNDER THIS CONTRACT IS REQUIRED, ENCLOSE EXISTING AND NEW CONDUITS, DUCTS, PIPES, AND SIMILAR ITEMS IN FURRING WHERE SUCH ITEMS PASS THROUGH FINISHED SPACES WHETHER OR NOT FURRING IS INDICATED. REFER TO DETAILS ON PARTITION SHEET AI500.
- 26. WHERE CONDUITS, DUCTS, PIPES AND SIMILAR ITEMS ARE SHOWN TO BE INSTALLED IN EXISTING WALLS OR PARTITIONS, NEATLY CHASE THE WALLS OR PARTITIONS, INSTALL THE ITEMS, AND PATCH THE WALLS OR PARTITIONS TO MAKE THE INSTALLATION NOT DISCERNIBLE IN THE FINISHED WORK.
- 27. SEAL TIGHT AND PROTECT WITH FIRE SAFING EXISTING AND NEW SLEEVES AND OPENINGS THROUGH FLOORS. FIRE SAFING SHALL BE A MINIMUM 2 HOUR RATED FOR ALL APPLICATIONS AND LOCATIONS.
- 28. WHERE A NEW CEILING IS NOT SCHEDULED, INSTALL NEW CONDUITS AND PIPES IN EVERY CASE, AND NEW DUCTS WHERE POSSIBLE, ABOVE THE EXISTING CEILING. REMOVE EXISTING CEILING AS NECESSARY. AFTER INSTALLATION OF CONCEALED WORK, REINSTALL REMOVED CEILING AND PATCH AND REFINISH TO MATCH ADJACENT UNREMOVED CEILINGS.
- 29. FURR TO CONCEAL HORIZONTAL DUCTS PASSING THROUGH EXISTING OR NEW SPACES WHERE IT IS NOT POSSIBLE TO INSTALL THE DUCTS ABOVE THE CEILING. USE GYPSUM BOARD FOR SUCH FURRING.
- 30. PROTECT EXISTING AND COMPLETED WORK FROM DAMAGE
- REPAIR, PATCH AND FINISH, OR REFINISH AS APPLICABLE, TO MATCH ADJACENT EXISTING FINISHES, THOSE EXISTING SURFACES DAMAGED OR NEWLY EXPOSED DURING PERFORMANCE OF THE WORK UNDER THIS CONTRACT.
- 32. WHERE PERMANENT REMOVAL OF EXISTING MILLWORK, CASEWORK, CABINETWORK, ACCESSORIES, EQUIPMENT OR FURNISHINGS IS REQUIRED, AND PREVIOUSLY CONCEALED SURFACES ARE TO REMAIN EXPOSED, PATCH PREVIOUSLY CONCEALED SURFACES TO MATCH ADJACENT EXPOSED SURFACES. WHERE SUCH SURFACES ARE SCHEDULED TO RECEIVE NEW FINISHES, PREPARE THE SURFACES TO RECEIVE THE NEW FINISHES.
- 33. WHERE CUTTING OF EXISTING SURFACES OR REMOVAL OF EXISTING FINISHES IS REQUIRED TO PERFORM THE WORK UNDER THIS CONTRACT, AND A NEW FINISH IS NOT INDICATED, FILL RESULTING OPENINGS AND PATCH THE SURFACE AFTER DOING THE WORK, AND FINISH TO MATCH ADJACENT EXISTING SURFACES.
- 34. ALL WORK SHALL BE PERFORMED, MONDAY THRU FRIDAY, DURING NORMAL BUSINESS HOURS OF 8:00AM 4:30PM, EXCEPT SATURDAY, SUNDAY AND HOLIDAYS, EXCEPT AS APPROVED BY THE CONTRACTING OFFICER AND AS REQUIRED. THE CONTRACTOR SHALL BE REQUIRED TO WORK PRIME TIME AND OVERTIME TO COMPLETE OR CONSTRUCT PORTIONS OF THIS WORK. THIS SHALL BE AS DIRECTED BY THE CONTRACTING OFFICER AT NO ADDITIONAL COST TO THE GOVERNMENT. ALL WORK ON BUILDING 19 WILL BE PERFORMED DURING NIGHT AND WEEKEND HOURS.
- 35. CONTRACTOR SHALL ABIDE BY THEIR OWN EXPENSE TO THE LATEST EDITIONS OF ALL OSHA REGULATIONS AND REQUIREMENTS.
- 36. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY AND ASCERTAIN IN THE FIELD, ALL EXISTING UTILITIES, EXISTING CONDITIONS, FIELD MEASUREMENTS, DIMENSIONS, QUANTITIES. RELATED TO THE PROJECT.
- 37. IT IS RECOMMENDED THAT THE CONTRACTOR PERFORM A DOCUMENTED SITE VISIT
- 38. CONTRACTOR SHALL SUBMIT FOR APPROVAL ALL MATERIALS USED FOR CONSTRUCTION AND ALL EQUIPMENT INTENDED FOR INSTALLATION IN THIS PROJECT.
- 39. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY AND ASCERTAIN THE LOCATION, DIRECTION, SIZE, OF ANY AND ALL UTILITIES EXISTING IN THE GENERAL VICINITY OF THE WORK AREA.
- 40. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY UTILITY DISRUPTED, BROKEN, OR OTHERWISE RENDERED NON-FUNCTIONABLE DUE TO THE WORK PERFORMED AT NO ADDITIONAL COST TO THE GOVERNMENT DURING THIS COURSE OF WORK.
- 41. THE CONTRACTOR SHALL IDENTIFY ANY NON-FUNCTIONING UTILITY/SYSTEM, PRIOR TO THE START OF WORK TO THE CONTRACTING OFFICER. IDENTIFICATION OF SUCH AFTER THE START OF WORK SHALL BE DEEMED AS DISTURBED/DAMAGED BY THE

CONTRACTOR AND SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.

- 42. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROPERLY SUPPORT ANY UTILITY ENCOUNTERED IN THE COURSE OF THIS WORK.
- 43. THE CONTRACTOR SHALL LEAVE THE WORK SITE CLEAN AND SECURED AT THE END OF EACH WORKING DAY. THE WORK SITE SHALL NOT BE LEFT UNATTENDED AT ANY TIME BY THE CONTRACTOR, UNLESS THE WORK AREA IS PROPERLY SECURED BY THE CONTRACTOR.
- 44. THE CONTRACTOR IS ADVISED THAT THEY ARE SOLELY RESPONSIBLE FOR THE SAFETY OF THE WORK SITE AND TAKE ALL ACTIONS TO ELIMINATE ANY SAFETY HAZARDS THAT SHALL EXIST AND POSE A THREAT OF HARM TO PATIENTS, EMPLOYEES OF THE GOVERNMENT, EMPLOYEES OF THE CONTRACTOR OR OTHER(S). IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO TAKE IMMEDIATE ACTION TO ALLEVIATE ANY SAFETY HAZARD THAT MAY EXIST WITHOUT DIRECTION FROM THE CONTRACTING OFFICER OR HIS DESIGNEE. THE CONTRACTOR SHALL TAKE IMMEDIATE CORRECTIVE ACTION TO ALLEVIATE ANY SAFETY HAZARD, CONDITION, ETC., AS INDICATED BY THE CONTRACTING OFFICER.
- 45. THERE SHALL BE NO CLAIMS AGAINST THE DEPARTMENT OF VETERANS AFFAIRS FOR WORK STOPPAGES DUE TO ACTS OF GOD, WEATHER CONDITIONS, STOP WORK ORDERS (VERBAL AND/OR WRITTEN), UNDERESTIMATION OF WORK, ESTIMATED QUANTITIES, MATERIALS, SUPPLIES, TOOLS, CORRECTION OF SAFETY PROBLEMS, OR ANY OTHER REASON.
- 46. AT THE COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL PROVIDE TO THE VETERANS AFFAIRS A "AS CONSTRUCTED DRAWING" FOR THE WORK. THIS DRAWING

- SHALL BE SUBMITTED ON 30" BY 42", COMPLETE WITH 2 COPIES. THIS DRAWING SHALL BE TECHNICALLY CORRECT AND DRAWN ACCORDING TO SOUND ENGINEERING PRINCIPLES. THIS SHALL SHOW ALL ELEVATIONS, DISTANCES, DIAMETERS, SCHEDULES, MATERIALS INSTALLED, SEQUENCE OF OPERATIONS OF ANY AND ALL ITEMS TO THE DEPARTMENT OF VETERANS AFFAIRS. CONTRACTOR IS ADVISED THAT THEY ARE RESPONSIBLE TO MAINTAIN ALL MEASUREMENTS DURING THE COURSE OF THIS PROJECT AND DIMENSIONS MISSING ON THE AS-BUILT DRAWINGS SHALL NOT BE ACCEPTABLE. FINAL PAYMENT SHALL NOT BE PROVIDED UNTIL THIS DRAWING IS SUBMITTED AND APPROVED. A COMPLETE, ACCEPTABLE, SEPARATE, ENGINEERING "AS CONSTRUCTED DRAWING" IS REQUIRED FOR EACH UTILITY.
- 47. CONTRACTOR SHALL SAW CUT WITH PROPER BLADE ANY CONCRETE ENCOUNTERED IN THE COURSE OF THIS WORK. ALL HOLES SHALL BE CORED DRILLED WITH DIAMOND CORE BITS. THE USE OF JACK HAMMERS IS PROHIBITED.
- 48. CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE ANY AND ALL DEBRIS FROM THE MEDICAL CENTER DAILY AND DISPOSE OF SAME OFF THE BASE IN ACCORDANCE WITH ALL LOCAL AND STATE REGULATIONS.
- 49. CONTRACTOR SHALL PROVIDE FOR OWN STORAGE SPACE AND SECURITY FOR SAME. CONTRACTOR SHALL BE PROHIBITED FROM USING VA SPACE FOR STORAGE.LOCATION TO BE COORDINATED WITH COTR AFTER NOTICE TO PROCEED HAS BEEN ISSUED.
- 50. ALL WORK SHALL BE PERFORMED BY THOSE WHO ARE SKILLED IN THEIR TRADE, JOURNEYMEN MECHANICS, TO PRODUCE A FIRST CLASS JOB. THE CONTRACTOR IS ADVISED THAT WORK DEEMED UNSUITABLE, UNACCEPTABLE, SECOND CLASS IN NATURE, BY THE VETERANS AFFAIRS SHALL BE DEEMED NON-ACCEPTABLE AND THE CONTRACTOR SHALL REMOVE, REPLACE, RE-DO, TO THE SATISFACTION OF THE DEPARTMENT OF VETERANS AFFAIRS, THE UNACCEPTABLE WORK AT NO ADDITIONAL COST TO THE GOVERNMENT. THERE SHALL BE NO ADDITIONAL CLAIMS AGAINST THE DEPARTMENT OF VETERANS AFFAIRS FOR THE ABOVE.
- 51. THE CONTRACTOR SHALL BE RESPONSIBLE TO REROUTE ANY UTILITY ENCOUNTERED IN THE COURSE OF THIS PROJECT. THE CONTRACTOR IS ADVISED THAT THE VETERANS AFFAIRS HAS MADE THE ATTEMPT TO IDENTIFY MAJOR UTILITIES TO BE REROUTED.
- 52. ALL QUANTITIES SHOWN ON THE DRAWING ARE ESTIMATED QUANTITIES ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY AND ASCERTAIN ALL EXISTING CONDITIONS, DIMENSIONS AND QUANTITIES.
- 53. THE GOVERNMENT SHALL NOT BE LIABLE FOR EXTRA PAYMENT SHOULD THE CONTRACTOR UNDERESTIMATE QUANTITIES OF MATERIALS.
- 54. CONTRACTOR SHALL INSTALL AND MAINTAIN DUST BARRIERS OR TEMPORARY CONSTRUCTION WALLS AS DIRECTED BY THE CONTRACTING OFFICER. REFER TO DEMOLITION PLAN ON SHEET AS-1 AND ABATEMENT DRAWINGS FOR DUST BARRIER OR TEMPORARY CONSTRUCTION WALL DETAILS AND LOCATIONS.
- 55. THE GOVERNMENT SHALL NOT BE LIABLE TO THE CONTRACTOR FOR DELAYS DUE TO NON-DELIVERY OF MATERIALS, WEATHER DELAYS, MANPOWER SHORTAGE, SUBMITTAL DELAYS, SUBMITTAL RETURNS, WORK STOPPAGES BY REPRESENTATIVES OF THE GOVERNMENT, FOR ANY REASON, SAFETY DELAYS, REMOVAL AND REPLACEMENT OF WORK DEEMED NON-ACCEPTABLE BY THE GOVERNMENT.
- 56. PRIOR TO ANY WELDING, CUTTING, BRAZING, SOLDERING, THE CONTRACTOR SHALL OBTAIN A "HOT WORK PERMIT" FROM THE DEPARTMENT OF VETERANS AFFAIRS FIRE DEPARTMENT. WITHOUT THIS PERMIT, HOT WORK SHALL NOT BE PERMITTED BY THE GOVERNMENT.
- 77. THE CONTRACTOR SHALL MAINTAIN SECURITY FOR THE WORK AREA AND PROVIDE KEYS TO THE CONTRACTING OFFICER FOR ACCESS.
- 3. THE CONTRACTOR SHALL MAINTAIN THE WORK SITE IN A NEAT AND CLEAN CONDITION. THE WORK SITE SHALL BE BROOM CLEANED AT THE END OF EACH WORKING DAY.
- 59. THE CONTRACTOR SHALL NOT LEAVE THE WORK AREA UNATTENDED FOR ANY REASON, UNLESS SAFETY PARTITIONS, SAFETY FENCING ARE INSTALLED AND SECURED.
- 60. THE CONTRACTOR SHALL PARK IN APPROVED PARKING SPACES ONLY.
- 61. THE CONTRACTOR SHALL BE ADVISED THAT THERE MAY BE ASBESTOS ENCOUNTERED AT ANY TIME ON THE SITE. THE CONTRACTOR SHALL BE ADVISED THAT IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE ANY ASBESTOS ENCOUNTERED AND DISPOSE OF IT PROPERLY OFF THE SITE AND IN ACCORDANCE WITH ALL LOCAL, CITY, STATE, FEDERAL, VA RULES REGULATIONS, LAWS, STATUTES AND OTHERS.
- 62. THE CONTRACTOR SHALL TURN OVER, TO THE GOVERNMENT, AND END USER WASTE DISPOSAL MANIFEST.

CARPENTRY

- 1. REFER TO DEMOLITION PLANS AND/OR ASBESTOS ABATEMENT PLANS FOR DUST BARRIER AND/OR TEMPORARY CONSTRUCTION WALL DETAILS AND LOCATIONS. DUST BARRIERS AND/OR TEMPORARY CONSTRUCTION WALLS SHALL BE SMOKE TIGHT AND SHALL EXTEND FROM FLOOR TO CEILING DECK.
- 2. PLASTIC BARRIERS, MINIMUM OF 3 MILS THICK, SHALL BE USED AS TEMPORARY DUST BARRIERS AND FURNITURE COVERINGS, AS/OR DIRECTED BY THE VA CONTRACTING OFFICER. UNLESS OTHERWISE NOTED ON PLANS.
- CONTRACTOR SHALL USE ONLY MATERIALS, WHICH ARE CLASS A FIRE RATED, IN ALL NEW FINISH WORK.
- 4. CONTRACTOR SHALL PROTECT ALL SURFACES, NEW AND/OR EXISTING, FROM DAMAGE DUE TO OR CAUSED BY CONSTRUCTION.
- 5. ALL DOOR HARDWARE AS MANUFACTURED BY "CORBIN RUSSWIN".
- 6. CONTRACTOR SHALL FURNISH AND INSTALL WELDED STEEL DOOR FRAMES,
 THICKNESS AS INDICATED IN THE CONTRACT SPECIFICATIONS .CONTRACTOR SHALL
 BE PROHIBITED FROM USING AND INSTALLING KNOCK DOWN FRAMES.
- 7. CONTRACTOR SHALL SUBMIT FOR APPROVAL TO THE VA, COMPLETE DOOR, FRAME, HARDWARE SUBMITTAL, AND COMPLETE SHOP DRAWINGS FOR DOORS INSTALLED AS PART OF THIS CONTRACT.
- 8. CONTRACTOR SHALL PERFORM ALL WORK BY THOSE WHO ARE SKILLED IN THEIR

TRADE PRODUCING A FIRST CLASS JOB. -NOTE: THIS IS APPLICABLE TO ALL TRADES.

PLUMBING

- 1. CONTRACTOR SHALL PERFORM ALL PLUMBING IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL PLUMBING CODE, ALL FEDERAL, STATE LOCAL RULES, LAWS, REGULATIONS, VETERANS AFFAIRS (VA) SPECIFICATION.
- 2. CONTRACTOR SHALL INSTALL "K" COPPER, DRAWN, FOR ALL DOMESTIC WATER LINES INSTALLED AS PART OF THIS PROJECT, UNLESS SPECIFICALLY DESIGNATED ELSEWHERE IN THE PLANS, SPECIFICATIONS, OR BY THE CONTRACTING OFFICER.
- 3. CONTRACTOR SHALL SOLDER USING LEAD FREE SOLDER ONLY.
- 4. CONTRACTOR SHALL CORE DRILL ANY OPENING THRU CONCRETE WITH DIAMOND CORE DRILL. CONTRACTOR SHALL SUPPLY, PROVIDE AND USE APPROPRIATE WET VACS, DROP CLOTHS, OR ANY OTHER DEVICE TO PROTECT GOVERNMENT PROPERTY DURING THIS OPERATION. THE CONTRACTOR SHALL BE FURTHER ADVISED THAT THIS PROTECTION IS EXTENDED TO THE FLOOR BELOW.
- CONTRACTOR SHALL INSTALL SLEEVES (BLACK IRON) IN ALL CONCRETE OPENINGS.
 THIS SLEEVE SHALL BE WIDE ENOUGH SUCH THAT INSULATION WILL BE CONTINUOUS
 THRU THE SLEEVE.
- 6. CONTRACTOR SHALL INSULATE ALL HOT WATER, COLD WATER, STEAM, CONDENSATE RETURN, HOT WATER RETURN PIPING, INCLUDING ALL FITTINGS WITH SPECIFIED INSULATION. ELBOWS, TEE'S, SHALL BE INSULATED WITH PLASTIC COVERS FILLED WITH FIBERGLASS INSULATION. JACKET SHALL BE ASJ, BANDED AND STAPLED, EXCEPT AS OTHERWISE NOTED ON THE PLANS AND SPECIFICATIONS.
- 7. CONTRACTOR SHALL LABEL ALL PIPING TO INDICATE FLOW DIRECTION AND CONTENT.
- 8. CONTRACTOR SHALL INSTALL 3 PIECE FULL PORT BALL VALVES FOR SHUTOFFS.
- 9. CONTRACTOR SHALL NUMBER AND LABEL ALL VALVES INSTALLED AS PART OF THIS CONTRACT WITH BRASS TAGS. NUMBERS SHALL BE AS DESIGNATED BY THE CONTRACTING OFFICER. CONTRACTOR SHALL SUBMIT TO THE CONTRACTING OFFICER A TYPED LIST (4 COPIES) OF ALL VALVES INSTALLED AS PART OF THIS PROJECT. THIS LIST SHALL BE INCLUSIVE AND INCLUDE, AS A MINIMUM, THE FOLLOWING INFORMATION IN TABULAR FORM: VALVE MARK-LOCATION-SIZE-TYPE-MANUFACTURER-FUNCTION.
- 10. CONTRACTOR SHALL INSTALL ALL PIPING IN A NEAT, PROFESSIONAL MANNER, INDEPENDENTLY SUPPORTED FROM OTHER UTILITIES.
- 11. CONTRACTOR SHALL USE EXPANSION BOLTS (DRILLED) ONLY WHEN ANCHORING INTO CONCRETE. USE OF EXPLOSIVE SHOTS ARE PROHIBITED WHEN ANCHORING INTO CONCRETE
- 12. CONTRACTOR SHALL SAW CUT ANY INTERIOR OR EXTERIOR CONCRETE OR ASPHALT BEFORE REMOVING SAME.
- 13. CONTRACTOR SHALL INSTALL KEYLESS SHUTOFF VALVES ON ALL NEW FIXTURES AND TURN OVER TO THE CONTRACTING OFFICER 2 SETS OF KEYS FOR EACH FIXTURE.
- 14. CONTRACTOR SHALL, PRIOR TO THE INSTALLATION OF ANY FIXTURE, TRIM, CARRIER, SUBMIT FOR APPROVAL, MANUFACTURERS LITERATURE FOR ALL ITEMS.
- 15. CONTRACTOR SHALL TEST, IN THE PRESENCE OF THE VA CONTRACTING OFFICER, ALL PIPING AND SUBMIT TO THE CONTRACTING OFFICER 4 COPIES OF THE TESTING REPORT. TESTING SHALL BE AS INDICATED IN THE CONTRACT SPECIFICATIONS.
- 16. CONTRACTOR SHALL SUPPLY AND INSTALL UNIONS ON ALL VALVES, GAUGES, THERMOMETERS, ETC., FOR EASY REMOVAL.
- 17. CONTRACTOR SHALL INSTALL DIELECTRIC FITTINGS ON ALL DISSIMILAR METALS AND ON ALL FERROUS. NON-FERROUS PIPING.
- 18. CONTRACTOR SHALL ADVISE THE CONTRACTING OFFICER, IN WRITING A MINIMUM OF 48 HOURS PRIOR TO THE SHUTOFF OF ANY PLUMBING SYSTEM. THE CONTRACTOR SHALL BE ADVISED THAT THE VETERANS AFFAIRS IS RESPONSIBLE FOR OPERATING ANY EXISTING UTILITY VALVE. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE ANY FAILED VALVE AT NO ADDITIONAL COST TO THE GOVERNMENT, SHOULD THE CONTRACTOR EXERCISE VALVES WITHOUT THE PROPER AUTHORIZATION.

Dwg. 02 of 61

08-17-2021

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KEY PLAN Project Number APPROVED: APPROVED: Drawing Title Project Title CONSULTANTS: ARCHITECT/ENGINEERS: NORTH: 620-20-206 General Notes and Firehouse Enhancement APPROVED: APPROVED: Building(s) Number Requirements 08-17-2021 Bid Documents 019 100% Working Drawing Submission 08-16-2021 APPROVED: APPROVED: Approved: Facility Director, VAHVHCS: Location Drawing Number 95% Working Drawing Submission 05-21-2021 65% Working Drawing Submission Montrose, New York 02-26-2021 GI 00 35% Working Drawing Submission 06-25-2018 APPROVED: APPROVED: Approved: John Cliffe, Facility Chief of Engineering Date Checked Drawn

Service

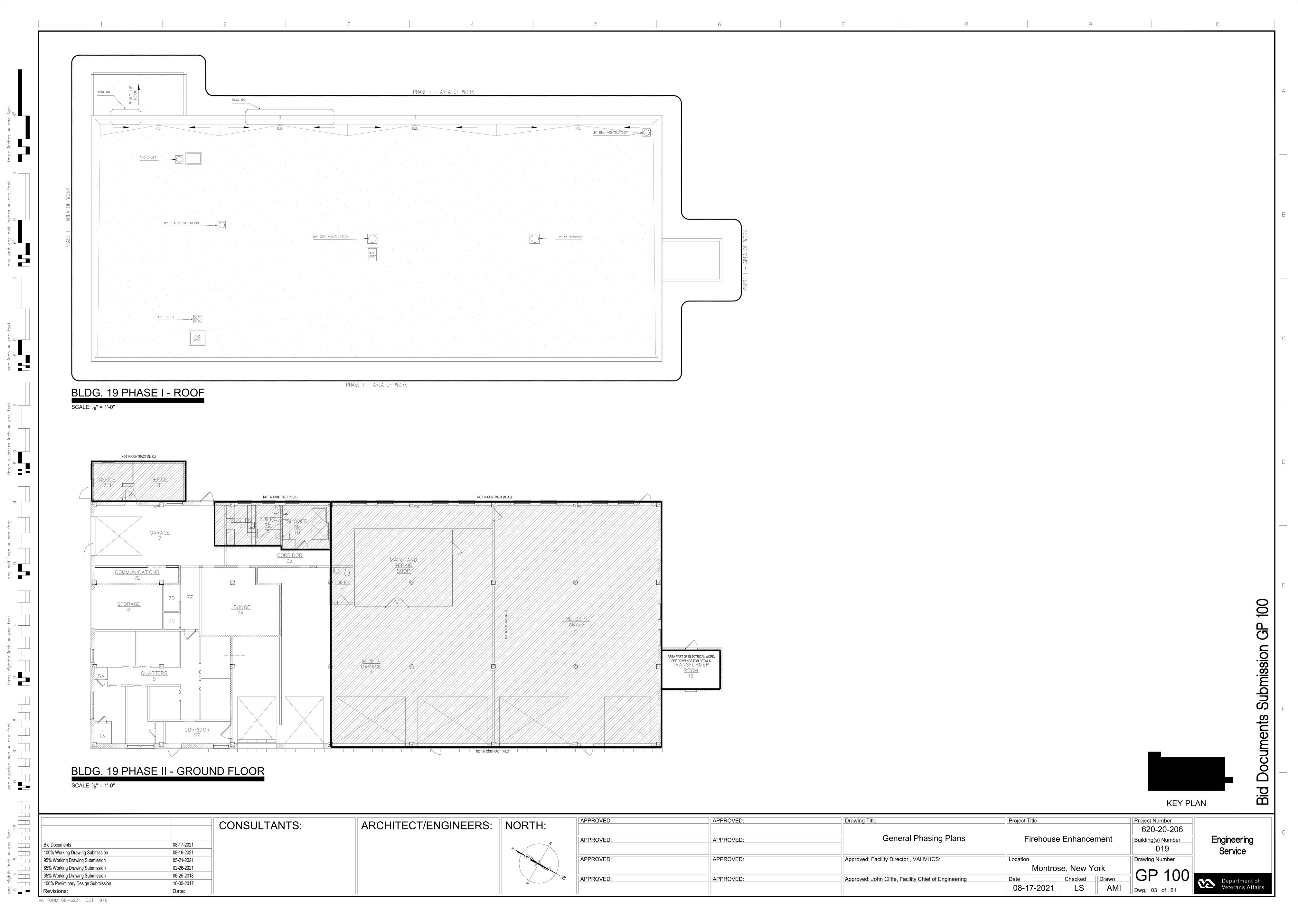
Department or Veterans Affairs

90

Submission

Revisions

100% Preliminary Design Submission



DEMOLITION PLAN

SCALE: $\frac{1}{8}$ " = 1'-0"

NOT IN CONTRACT (N.I.C.) STORAGE NOT IN CONTRACT (N.I.C.) NOT IN CONTRACT (N.I.C.) COMMUNITY ROOM _ . . CORRIDOR A . . DEADEND TRAVEL #1: 25'-2" . BUNK 01 COMM. RM. BUNK 07 FIRE DEPT. GARAGE 08 M & R GARAGE DEADEND #2 TRAVEL: 24'-8" AREA PART OF ELECTRICAL WORK. SEE DRAWINGS FOR DETAILS BUNK 06 BUNK 03 B19-MDP CORRIDOR D CO4 BUNK 04 CHIEF BUNK EXISTING ATS #1 BUNK 05 STEAM CLOSET -

NOT IN CONTRACT (N.I.C.)

LIFE SAFETY CODE REQUIREMENTS:

MIXED BUILDING OCCUPANCY TYPE: **PRIMARY** - LODGING (EXISTING) OCCUPANCY PER CHAPTER 26; **SECONDARY** - STORAGE (EXISTING), OCCUPANCY PER CHAPTER 42.

6.1.14.1.3 Where incidental to another occupanct, areas used as follows shall be permitted to be considered part of the predominant occupancy and shall be subject to the provisions of the Code that apply to the predominant occupancy:

6.1.14.3 Mixed Occupancies

6.1.14.3.2 The building shall comply with the most restrictive requirements of the occupancies involved, unless separate safeguards are approved.

Hazard of Contents.

6.2

6.2.1.3 For the purpose of this Code, where difference degrees of hazard of contents exist in different parts of a building or structure, the most hazardous shall govern the classification, unless hazardous areas are separated or protected as specified in Section 8.7 and the applicable sections of Chapters 11 through 43.

EXIT ACCESS TRAVEL DISTANCE:

The travel distance between any point in a room and an exit shall not exceed 150 ft.

The maximum travel distance.shall be permitted to be increased by 50 ft in buildings protected throughout by an approved automatic sprinkler system in accordance with Section 9.7.

LODGING OCCUPANCY; PROTECTED = 200'-0"

OCCUPANT LOAD:

Occupant Load. The requirements of this chapter shall apply to buildings that provide sleeping accommodations for 16 or fewer persons on either a transient or permanent basis, with or without meals, but with separate cooking facilities for individual occupants, except as provided for Chapter 24.

CALCULATED OCCUPANT LOADS PROJECT AREA = 15 TOTAL OCCUPANTS

MEANS OF EGRESS:

Capacity of Means of Egress. 26.2

Every sleeping room and living area shall have access to a primary means of escape complying with Chapter 24 and located to provide safe path of travel to the outside.

In dwellings or dwelling units of two rooms or more, every sleeping room and every living area shall have not less than one primary means of escape and one secondary means of escape.

A secondary means of escape shall not be required where one of the following conditions is

> (1) The bedroom or living area has a door leading directly to the outside of the building at or to the finished ground level (2) The dwelling unit is protected throughout by an approved automatic sprinkler

> > system in accordance with 24.3.5..

PROTECTION FROM HAZARDS:

26.3.2 Protection from Hazards. Alcohol based hand-rub dispensers in accordance with 8.7.33 shall be permitted.

DETECTION, ALARM, AND COMMUNICATIONS SYSTEMS 26.3.4.1.2 A fire alarm system in accordance with Section 9.6 shall not be required in existing lodging and rooming houses that have an existing smoke detection system meeting or exceeding the requirements of 26.3.4.5.1 where that detection system includes not less one manual fire alarm

PARTITION RATING GRAPHICS:

PARTITIONS REQUIRED TO BE SMOKE RESISTANT, FIRE RESISTANT, OR BOTH FIRE AND SMOKE RESISTANT ARE SHOWN GRAPHICALLY ON PLANS WITH HATCH PATTERNS. PARTITION RATING GRAPHIC DESIGNATION: PRIORITY // /// // 4 HR FIRE BARRIER — 1 HIGHEST $2 \text{ HR FIRE BARRIER } \longrightarrow 3$ 1 HR FIRE BARRIER — 4 1 HR FIRE BARRIER/SHAFT Z SMOKE PARTITION (NON RATED) NON RATED — 5 LOWEST

box per floor arranged to initiate the smoke detection alarm.

26.3.4.2. Initiation of the required fire alarm system shall be by manual means in accordance with 9.6.2 or by alarm initiation in accordance with 9.6.2.1 (3) in buildings protected throughout by an approved automatic sprinkler system.

26.3.4.3. Notification Occupant notification shall be provided automatically in accordance with 9.6.3, as modified by 26.3.4.3.1 and 26.3.4.3.2.

26.3.4.5 SMOKE ALARMS

26.23.4.5.1 Approved smoke alrms, other than existing smoke alarms meeting the requirements of 26.3.4.5.3 shall be installed in acordance with 9.6.2.10 in every sleeping

26.3.4.6 CARBON MONOXIDE ALARMS AND CARBON MONOXIDE DETECTION SYSTEM

26.3.4.6.1 Carbon monoxide alarms or carbon monoxide detectors in accordance with Section 9.12 and 26.3.4.6 shall be provided in new lodging or rooming houses where either of the following conditions exist:

> (1) Lodging or rooming houses with communicating attached garage, unless otherwise exempted by 26.3.4.6.3.

(1) Outside of each separate sleeping area in

26.3.4.6.2 Where required by 26.3.4.6.1, carbon monoxide detectors alarms or carbon monoxide detectors shall be installed in the following locations:

the immediate vicinity of the sleeping 26.3.4.6.3 Carbon monoxide alarms and carbon monoxide

detectors as specified in 26.3.4.6.1.(1) shall not be required in the following locations:

> (1) In garages (2) Within lodging and rooming houses with communicating attached garages that are open parking structures as defined by the

building code (3) Within lodging or rooming houses with communicating attached garages that are mechanically ventilated in accordance with the mechanical code.

26.3.5 SEPARATION OF SLEEPING ROOMS

All sleeping rooms shall be separated from escape route corrdiors by smoke partitions in accordance with Section 8.4.

26.3.5.5 Doors shall be provided with latches or other mechanisms suitable for keeping doors closed.

26.3.5.6 Doors shall not be arranged to prevent the occupant from closing the door.

26.7 OPERATING FEATURES

26.7.2 Integrated Fire protection and Life Safety Systems -Integrated fire protection and life safety systems shall be tested in accordance with 9.11.4.1.

APPLICABLE BUILDING CODES

a. 2018 NFPA 101 LIFE SAFETY CODE & 2016 NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE & 2016 NFPA 13 STANDARD FOR INSTALLATION OF SPRINKLER SYSTEMS. EXCEPTION OF NFPA 5000 AND NFPA 900

2021 INTERNATIONAL MECHANICAL CODE (IPC) OCCUPATIONAL, SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS.

VA SEISMIC DESIGN REQUIREMENTS, H-18-8 2020 NATIONAL ELECTRICAL CODE (NEC) 2021 INTERNATIONAL PLUMBING CODE (IPC)

ASME BOILER AND PRESSURE VESSEL CODE ASME CODE FOR PRESSURE PIPING ARCHITECTURAL BARRIERS ACT ACCESSIBILITY STANDARDS (ABAAS) INCLUDING VA SUPPLEMENT,

BARRIER FREE DESIGN GUIDE (PG-18-13) BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, AMERICAN CONCRETE INSTITUTE AND COMMENTARY (ACI 318)

MANUAL OF STEEL CONSTRUCTION, LOAD AND RESISTANCE.

DISTANCE TABLE DEAD-END PATH #1 25'-2" DEAD-END PATH #2 24'-8" **COMMON PATH** 19'-9" CRITICAL PATH 53'-5"

08-17-2021

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- I. STANCE FACTOR DESIGN SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
- m. ENERGY POLICY ACT OF 2005 (EPACT)
- n. DOE INTERIM FINAL RULE: ENERGY CONSERVATION STANDARDS FOR NEW FEDERAL, COMMERCIAL AND MULTI-FAMILY HIGH-RISE RESIDENTIAL BUILDINGS AND NEW LOW-RISE RESIDENTIAL BUILDINGS, 10 CFR PARTS 433, 434 AND 435.
- o. FEDERAL LEADERSHIP IN HIGH PERFORMANCE AND SUSTAINABLE BUILDINGS: MEMORANDUM OF UNDERSTANDING (MOU)
- p. EXECUTIVE ORDER 13834: STRENGTHENING FEDERAL ENVIRONMENTAL, ENERGY, AND
- TRANSPORTATION MANAGEMENT q. THE PROVISIONS FOR CONSTRUCTION AND SAFETY
- SECTION 01 00 00 AND 01 35 26 OF THE VA MASTER CONSTRUCTION SPECIFICATION. r. VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY - ASHRAE STANDARD 62.1-2019; MEDICAL SPACES - ASHRAE 170-2017, NON-MEDICAL SPACES

SIGNS. STATED IN THE GENERAL REQUIREMENTS

189.1-2017. s. SAFETY STANDARD FOR REFRIGERATION SYSTEMS

- ASHRAE 62.1-2019; ASHRAE 90.1-2019; ASHRAE

- ASHRAE STANDARD 15-2019 t. 2018 INTERNATIONAL BUILDING CODE (IBC) WHERE
- **DIRECTED BY VA STANDARDS** u. UNLESS NOTED OTHERWISE. CURRENT EDITION OF APPLICABLE STANDARD OR CODE SHALL BE USED.

APPLICABLE BUILDING GUIDES

a. VA FIRE PROTECTION DESIGN GUIDE, 7TH EDITION (2015)

CONSTRUCTION TYPE:

TYPE II (111) PER NFPA 220, Chapter 4

FIRE RESISTIVE CONSTRUCTION (NFPA 220 Table 4.1.1) FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING **ELEMENTS:**

STRUCTURAL FRAME NON-BEARING WALLS BEARING WALLS FLOORS ROOFS/ CEILINGS	0 HOURS 0 HOURS 0 HOURS 0 HOURS
---	--

FIRE RESISTIVE CONSTRUCTION FOR OCCUPANCY (VA & NFPA 101) FIRE RESISTANCE RATING REQUIREMENTS FOR SPACES BY FUNCTION:

ELECTRICAL CLOSETS	
(DEPENDENT ON EQUIPMENT SIZE)	1 HOUR
SMOKE COMPARTMENTS	1 HOUR
SOILED UTILITY ROOMS	1 HOUR
VERTICAL SHAFTS / STAIRS	2 HOUR
MEDICAL GAS / HAZARDOUS	
STORAGE	2 HOUR

CLASSIFICATION OF OCCUPANCY:

EXISTING: LODGING Occupancy per Chapter 25. **EXISTING: STORAGE - LOW HAZARD** Occupancy per Chapter 42.

LOCKING OF EGRESS DOORS:

LOCKING OF EGRESS DOORS ARE NOT FOR CLINICAL NEED. DELAYED EGRESS PROVIDED PER 18.2.2.2.4 & 7.2.1.6.1

PROTECTION OF VERTICAL OPENINGS:

Protection of Vertical Openings.

Any vertical opening shall be enclosed or protected in accordance with Section 8.6, unless otherwise permitted.

LIFE SAFETY SYMBOLS DEAD-END PATH OF TRAVEL COMMON PATH OF TRAVEL CRITICAL PATH OF TRAVEL _ · _ · _ _ ₩ 🛇 🖼 EXIT LIGHTING FIRE EXTINGUISHER FEC-# FIRE EXTINGUÍSHERS (FE) RECESSED: SURFACE MNT:SEE: (F8/A-722) TYPE DETECTOR SEE: (C2/A-722) SMOKE DETECTOR AGGRAGATE DISTANCE **DIRECTION OF EGRESS** P:XX → WIDTH PROVIDED R:XX" → WIDTH REQUIRED



KEY PLAN

Dwg. 04 of 61

APPROVED: APPROVED: Drawing Title Project Title Project Number CONSULTANTS: ARCHITECT/ENGINEERS: NORTH: 620-20-206 Critical Path and Life Safety Firehouse Enhancement Building(s) Number APPROVED: APPROVED: Notes 08-17-2021 Bid Documents 019 100% Working Drawing Submission 08-16-2021 APPROVED: APPROVED: Approved: Facility Director, VAHVHCS: Drawing Number Location 95% Working Drawing Submission 05-21-2021 Montrose, New York 65% Working Drawing Submission 02-26-2021 LS 100 35% Working Drawing Submission 06-25-2018 APPROVED: APPROVED: Approved: John Cliffe, Facility Chief of Engineering Date Checked Drawn 10-05-2017 100% Preliminary Design Submission

Department or Veterans Affairs

Engineering

Service

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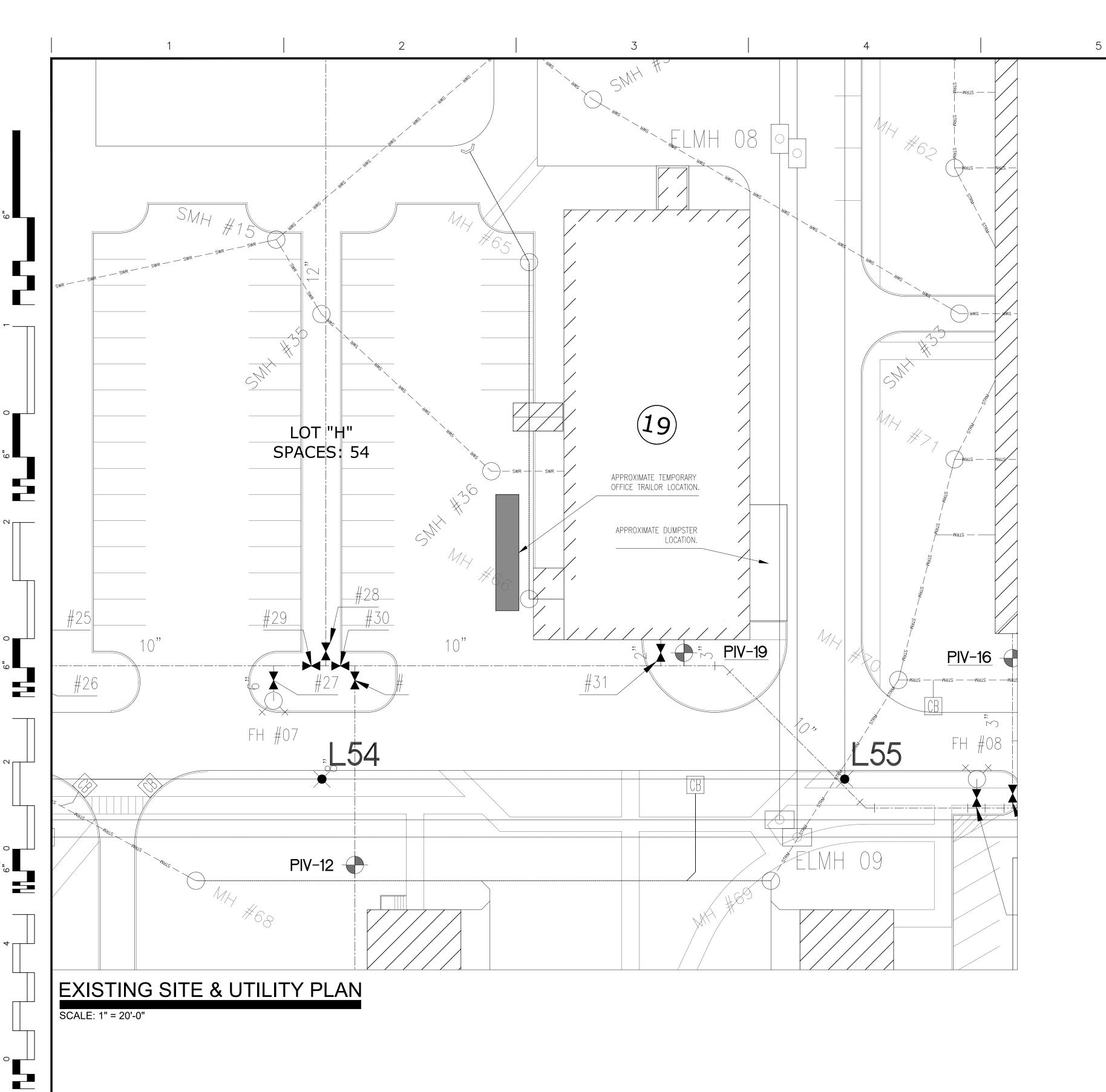
Submission

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SCALE: $\frac{1}{8}$ " = 1'-0"

NEW CONSTRUCTION PLAN



SITE GENERAL NOTES:

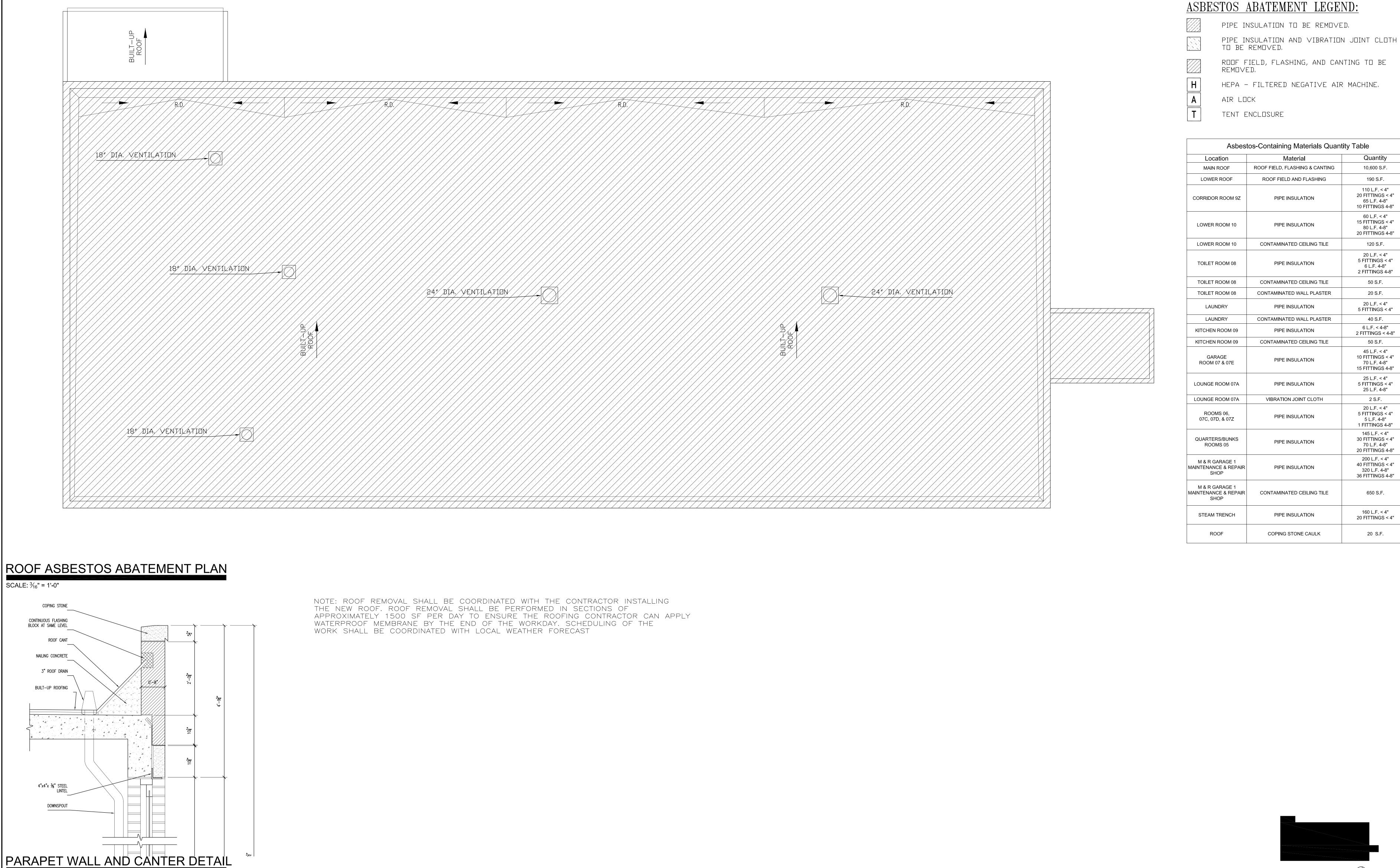
- CONTRACTOR SHALL INSTALL FENCING AROUND PERIMETER
 OF STAGING AND WASTE AREAS.
- 2. PRIOR TO START OF WORK, THE CONTRACTOR SHALL PROVIDE A TEMPORARY OFFICE CONTAINER EQUIVALENT TO THE 8'-0" x 40'-0" OFFICE CONTAINER AVAILABLE FROM "MOBILE MODULAR PORTABLE STORAGE, 499 HOLLYWOOD AVENUE, S. PLAINFIELD, N.J. 07080.
- 3. CONTRACTOR SHALL BE RESPONSABLE FOR THE COSTS FOR DELIVERY AND RENTAL OF THE CONTAINER FOR THE DURATION OF THE PROJECT.
- 4. APPROXIMATE LOCATION OF THE TRAILOR IS SHOWN ON SHEET "SP 100". THE FINAL LOCATION OF THE TEMPORARTY OFFICE CONTAINER SHALL BE COORDINATED WITH THE V.A. COR.
- 5. CONTRACTOR SHALL BE RESPONSABLE FOR ALL LABOR, MATERIAL, EQUIPMENT, AND SUPERVISION REQUIRED TO CONNECT THE TEMPORARY OFFICE CONTAINER TO AN EXISTING V.A. PANEL (SEE ELECTRICAL PLANS) PER THE INSTRUCTIONS FROM THE CONTAINER MANUFACTURER.
- 6. CONTRACTOR SHALL REMOVE EXISTING CIRCUIT BREAKERS IN THE EXISTING PANEL SERVING CIRCUITS NO LONGER NEEDED IN SPACE TO BE RENOVATED TO ACCOMMODATE THE NEW CIRCUIT BREAKER TO BE FURNISHED AND INSTALLED BY THE CONTRACTORFOR THE NEW ELECTRICAL FEEDER THE THE TEMPORARY TRAILOR.
- 7. CONTRACTOR SHALL FURNISH AND INSTALL A "NEMA 4X" DESCONNECT SWITCH ON THE EXTERIOR WALL IN THE VACINITY OF THE TEMPORARY OFFICE CONTAINER.
- 8. CIRCUIT BREAKER AND DISCONNECT SWITCH SHALL BE SIZED ACCORDING TO THE CONTAINER MANUFACTURER'S SPECIFICATIONS.
- 9. TEMPORARY ACCESS CABLE FROM THE EXISTING ELECTRICAL PANEL TO THE OUTSIDE "NEMA 4X" DISCONNECT SWITCH AND FROM THE OUTSIDE DISCONNECT SWITCH TO THE CONNECTION ON THE TEMPORARY OFFICE CONTAINER SHALL HAVE COPPER, NOT ALUMINUM, CONDUCTORS, AND SHALL BE INSTALLED NEATLY AND SAFELY WITHOUT ANY POSSIBLE TRIPPING HAZARDS.
- 10. CONTRACTOR SHALL CORE DRILL AND FIRESTOP/WATER SEAL OPENING IN EXTERIOR WALL WHERE ACCESS CABLE PENETRATES EXTERIOR WALL.
- 11. AT THE END OF THE PROJECT, THE CONTRACTOR SHALL REMOVE THE TEMPORARY DISCONNECT SWITCH, CIRCUIT BREAKER, AND ALL CABLING BACK TO THE SOURCE PANEL.

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		CONCLUTANTO.	ADCUITECT/ENCINEEDO.	NODTH	APPROVED:	APPROVED:	Drawing Title	Project Title	Project Number
		CONSULTANTS:	ARCHITECT/ENGINEERS:	NORTH.			Existing Utilities and Site Plan		620-17-000
					APPROVED:	APPROVED:	Ground Floor	Firehouse Enhancement at FDR	Building(s) Number
Bid Documents	08-17-2021			S v			Scale: As Noted		019
100% Working Drawing Submission	08-16-2021								019
95% Working Drawing Submission	05-21-2021				APPROVED:	APPROVED:	Approved: Facility Director , VAHVHCS:	Location	Drawing Number
65% Working Drawing Submission	02-26-2021							Montrose, New York	00 400
35% Working Drawing Submission	06-25-2018				APPROVED:	APPROVED:	Approved: John Cliffe, Facility Chief of Engineering	Date Checked Drawn	SP 100
100% Preliminary Design	10-05-2017				ALLINOVED.	ATTROVED.	Approved. John Chile, Facility Chile of Engineering		
Revisions:	Date:							08-30-2021 LS	Dwg 05 of 61

one eighth inch = one foot

0 4 8 16



APPROVED:

APPROVED:

APPROVED:

APPROVED:

Drawing Title

Asbestos Abatement Plan Roof

Drawing Scale: $\frac{1}{8}$ " - 1'-0"

Approved: Facility Director , VAHVHCS:

Approved: John Cliffe, Facility Chief of Engineering

APPROVED:

APPROVED:

APPROVED:

APPROVED:

NORTH:

ARCHITECT/ENGINEERS:

CONSULTANTS:

05/04/2021

Date:

ASBESTOS ABATEMENT CONSULTANT:

Egan Environmental Consulting, Inc.

812 OCEAN ROAD SPRING LAKE HEIGHTS, NEW JERSEY 07762

Tel: (914) 320-7924 Email: tom_egan2@yahoo.com

Bid [KEY PLAN \bigoplus_{N} Engineering Service

Department of Veterans Affairs

Project Number

Drawing Number

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620-20-206

Building(s) Number

Project Title

Location

08-16-2021

Firehouse Enhancement at FDR

Montrose, NY 10548

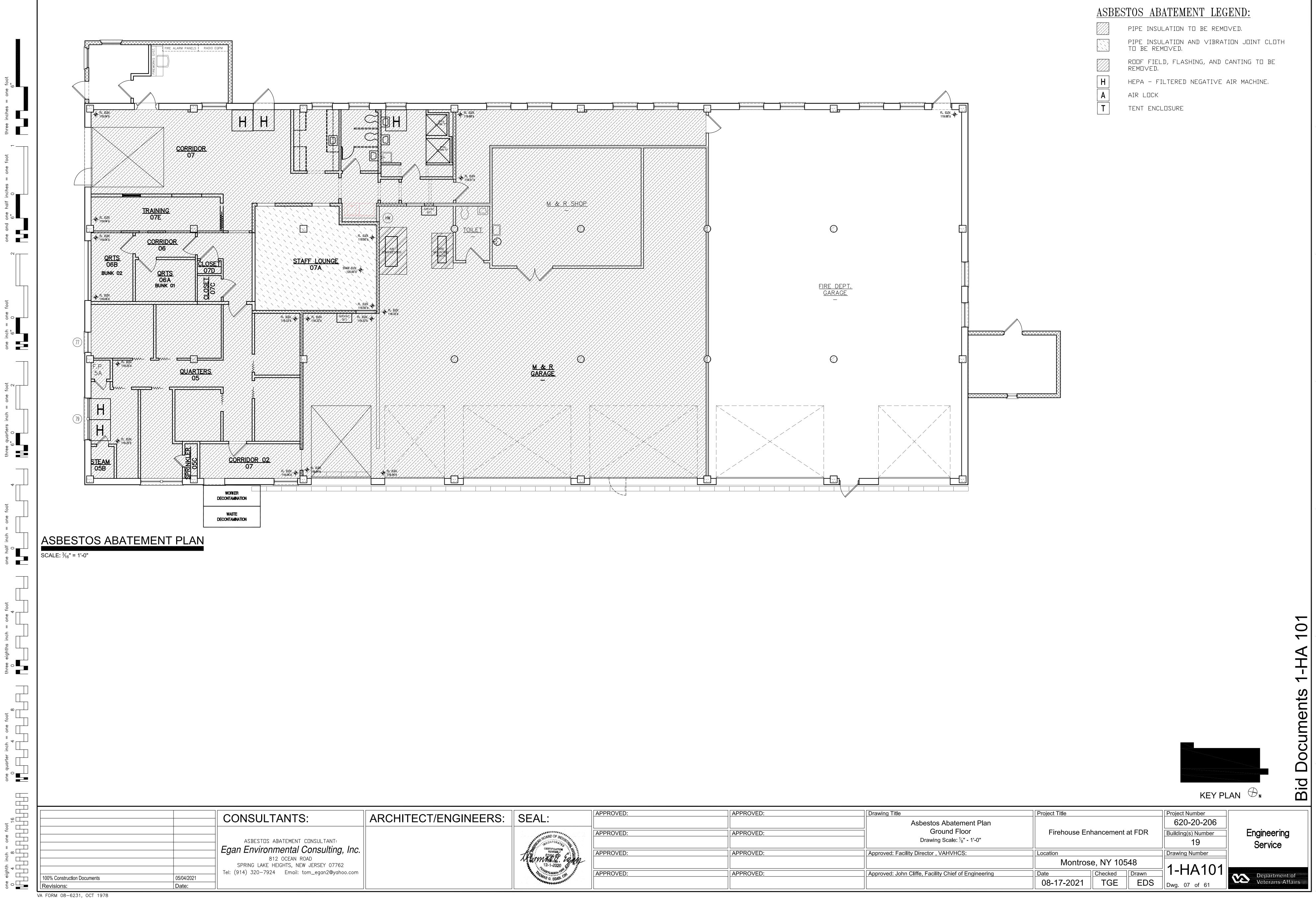
VA FORM 08-6231, OCT 1978

100% Construction Documents

SCALE: 3/16" = 1'-0"

one eighth inch = one foot

0 4 8 16



ASBESTOS ABATEMENT NOTES:

- 1. ALL ASBESTOS REMOVAL AREAS INDICATED ON THE PLANS AND SPECIFICATIONS IS FOR INFORMATIONAL ASSISTANCE TO THE CONTRACTOR. ALL WORK AREAS HAVING ASBESTOS-CONTAINING MATERIALS MUST BE FIELD MEASURED AND VERIFIED FOR ACTUAL LOCATIONS, SIZE AND QUANTITIES. ADDITIONAL PIPING OR EQUIPMENT WHICH MAY HAVE ASBESTOS CONTAINING INSULATION MAY BE PRESENT. THE CONTRACTOR MUST REMOVE ALL ASBESTOS-CONTAINING MATERIALS FROM ALL SPECIFIED AREAS WHETHER OR NOT SHOWN OR ACCURATELY INDICATED. THESE SPECIFICATIONS SHALL BE USED AS A GUIDE, AND DO NOT LIMIT THE CONTACTOR'S RESPONSIBILITY TO SEEK AND REMOVE ALL ASBESTOS CONTAINING MATERIAL AS SPECIFIED.
- CONTRACTOR SHALL USE EXTREME CARE AND CAUTION DURING ALL ABATEMENT PROCEDURES. CONTRACTOR SHALL CONDUCT REMOVAL OF ALL MATERIALS FROM THE SITE WITH A MINIMUM DISTURBANCE AND PROVIDE REGULAR MAINTENANCE AND PROTECTION OF THE BUILDING PREMISES, STAGING AREA, TRANSPORTATION ROUTES, ETC. THROUGHOUT THE BUILDINGS.
- ALL BUILDING FINISHES, CONSTRUCTION EQUIPMENT OR OTHER COMPONENTS OF THIS BUILDING WHICH ARE DAMAGED OR IN ANY WAY DISRUPTED AS A RESULT OF THE EXECUTION OF THIS CONTRACT SHALL BE REPLACED OR RESTORED TO ORIGINAL CONDITION.
- 4. CONTRACTOR SHALL PROVIDE AS MANY SHIFTS OF LABORERS AS NECESSARY TO COMPLETE THE PROJECT IN THE AMOUNT OF TIME SPECIFIED IN THE CONTRACT DOCUMENTS AT NO EXTRA COST.
- ALL ASBESTOS REMOVAL SHALL BE PREFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS, GUIDELINES, REGULATIONS, ORDERS AND DIRECTIVES, INCLUDING WITHOUT LIMITATIONS THOSE OF THE RESPONSIBLE NEW YORK STATE AGENCIES; U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA), THE U.S. DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH (NIOSH), THE NEW YORK STATE DEPARTMENT OF LABOR (NYS DOL).
- CONTRACTOR SHALL DEVELOP AND IMPLEMENT WRITTEN STANDARD PROCEDURES FOR ABATEMENT WORK TO ENSURE MAXIMUM PROTECTION AND SAFEGUARDS FOR ASBESTOS EXPOSURE TO THE WORKERS, EMPLOYEES, GENERAL PUBLIC AND THE ENVIRONMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ANY LIGHT FIXURES, SUSPENDED CEILINGS, WALLS, DUCTWORK, OR ANY OBSTRUCTIONS NECESSARY FOR THE SUCCESSFUL COMPLETION OF THE PROJECT. CONTRACTOR SHALL CAREFULLY REMOVE, DECONTAMINATE AND REINSTALL ALL REMOVED FIXTURES SUPPORTING GRIDS OR ANY OTHER BUILDING STRUCTURE REMOVED BY THE CONTRACTOR TO ACCESS ASBESTOS CONTAINING MATERIAL
- AIR FILTRATION DEVICE (AFD) UNITS SHALL BE EQUIPPED WITH SMOKE/HEAT SENSOR SYSTEMS THAT WILL SHUT DOWN THE UNIT WITHIN 30 SECONDS AFTER FIRE OR SMOKE DETECTION. AFD SENSOR UNITS MUST COMPLY WITH AMERICAN NATIONAL STANDARDS NFPA LIFE SAFTEY CODE 101.
- ASBESTOS REMOVAL DRAWINGS WERE PREPARED FROM EXISTING DRAWINGS SUPPLIED BY THE OWNER AND ARE PROVIDED FOR INFORMATION ONLY. THE CONSULTANT MAKES NO CLAIMS AS TO THEIR ACCURACY OR FOR QUANTITIES DERIVED THROUGH THEIR USE.
- 10. CONTRACTOR SHALL PROVIDE ALL SCAFFOLDING, LADDERS, PLYWOOD, ETC., AS REQUIRED AND/OR AS NECESSARY TO COMPLETE ALL WORK REQUIRED BY THE CONTRACT DOCUMENTS.
- 11. CONTRACTOR SHALL PROVIDE ALL SIGNS, LABELS, WARNINGS AND POSTED INSTRUCTIONS THAT ARE NECESSARY TO PROTECT, INFORM AND WARN PEOPLE OF THE HAZARD FROM ASBESTOS EXPOSURE.
- 12. CONTRACTOR SHALL POST IN A PROMINENT AND CONVENIENT PLACE FOR THE WORKERS, A COPY OF THE LATEST APPLICABLE REGULATIONS FORM OSHA, EPA,
- 13. CONTRACTOR SHALL COMPLETELY PROTECT ALL CONTROLS, CONDUIT, TUBING, ELECTRICAL PANELS, EQUIPMENT, ETC. WITHIN THE WORK AREAS.

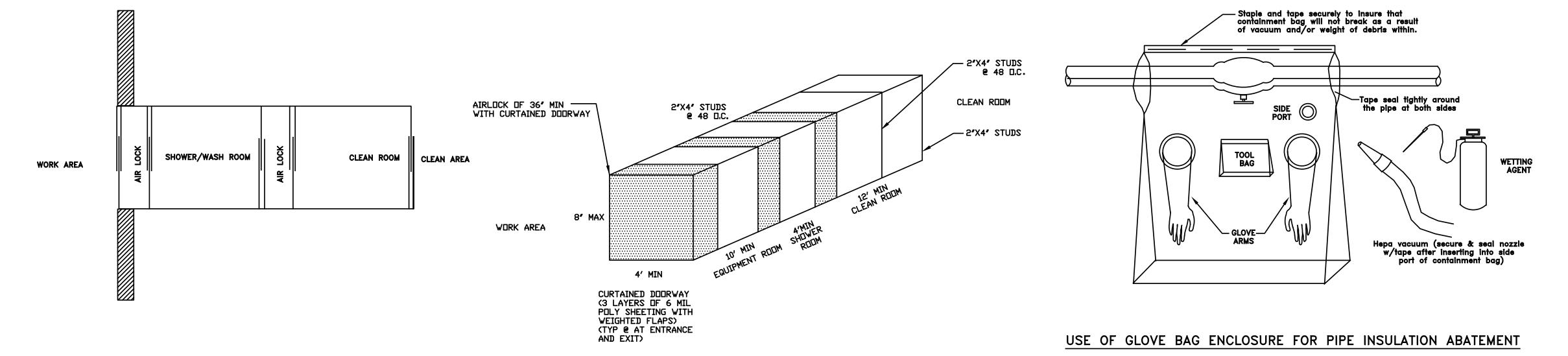
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- 14. SUBMIT ASBESTOS ABATEMENT PLAN IN ACCORDANCE WITH NYS REGULATIONS AND PROJECT SPECIFICATIONS SHOWING LOCATION AND NUMBER OF HEPA FILTERED NEGATIVE AIR MACHINES, AIRLOCKS AND DECONTAMINATION CHAMBERS. SUBMIT CALCULATIONS SHOWING NUMBER OF AIR CHANGES FOR EACH CONTAINMENT AREA.
- 15. AS REQUIRED BY NYS CODES AND REGULATIONS, ALL ASBESTOS REMOVALS, WITH THE EXCEPTION OF THE ROOF ABATEMENT, SHALL BE PERFORMED WITHIN A HEPA-FILTERED FULL CONTAINMENT NEGATIVE AIR PRESSURE ENCLOSURE.
- 16. ACM'S HAVE BEEN IDENTIFIED INSIDE AND OUTSIDE BUILDING 19. THESE ACM'S MUST BE REMOVED SO THAT THE BUILDING CAN BE RENOVATED. ACM'S INCLUDE PIPE INSULATION, PIPE FITTING INSULATION, VIBRATION JOINT CLOTH, ROOF FIELD, AND ROOF FLASHING.
- 17. THE ASBESTOS ABATEMENT CONTRACTOR SHALL PERFORM GROSS REMOVAL WITHIN A HEPA-FILTERED FULL-CONTAINMENT NEGATIVE AIR PRESSURE ENCLOSURE IN BUILDING 19. THE HEPA-FILTERED NEGATIVE AIR MACHINES SHALI BE VENTED TO THE OUTSIDE OF THE BUILDING. THE FULL CONTAINMENT SHALL BE VENTED TO THE OUTDOOR AIR VIA HEPA-FILTERED NEGATIVE AIR MACHINES.
- 18. THE BUILDING 19 ROOF FIELD AND ROOF FLASHING SHALL BE REMOVED IN ACCORDANCE WITH 12 NYCRR PART 56 SECTION 56-11.6 9EXTERIOR PROJECT REMOVAL OF NON-FRIABLE ACM ROOFING).

- 19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES RESULTING FROM ASBESTOS ABATEMENT ACTIVITIES.
- 20. ALL UTILITIES, MECHANICAL SYSTEMS AND PIPING SHALL BE LOCKED OUT AND TAGGED BEFORE THE CONTRACTOR IS TO BEGIN ABATEMENT ACTIVITIES. MECHANICAL AND ELECTRICAL SYSTEMS WHICH CAN NOT BE LOCKED OUT AND TAGGED, SHALL BE PROTECTED AND SUPPORTED THROUGHOUT ASBESTOS ABATEMENT ACTIVITIES.
- 21. THE CONTRACTOR SHALL ERECT ISOLATION BARRIERS THAT SEPARATE THE WORK AREAS FROM THE REMAINDER OF THE BUILDING. THE BARRIERS SHALL BE CONSTRUCTED OF A FIRE RETARDANT SHEATHING MATERIAL OF AT LEAST 5/8" THICKNESS ON THE WORK SIDE OF THE STUDS. THE ISOLAITON BARRIER SHALL BE PLASTICIZED WITH TWO (2) LAYERS OF 6-MIL FIRE RETARDANT PLASTIC SHEETING. THE ISOLATION BARRIERS SHALL BE CAULKED AT THE SHEATHING SEAMS AND WHERE THE SHEATHING MEETS THE FLOOR, WALLS AND CEILING. THE ISOLATION BARRIER SHALL BE CONSTRUCTED USING FIRE RETARDANT 2"X4" FRAMING, 16 INCHES CENTER-TO-CENTER, CAULKED AT ALL SEAMS...

22. ALL ASBESTOS-CONTAINING MATERIALS WITHIN THE CONTRACT LIMITS MUST BE

- REMOVED AND DISPOSED OS AS ASBESTOS-CONTAMINATED WASTE UNLESS SPECIFICALLY EXCLUDED IN THESE SPECIFICATIONS OR ON THE DRAWINGS.
- 23. THE BLACK IRON SUPPORTING THE DROP CEILING IS TO REMAIN INTACT THROUGHOUT ASBESTOS ABATEMENT ACTIVITIES.
- 24. ALL WORK AREA DECONTAMINATION UNITS (PERSONAL AND WASTE) SHALL BE FULLY FRAMED AND WATERPROOF WITH FIRE RETARDANT WOOD BECAUSE THEY WILL BE LOCATED IN AREAS OF PUBLIC ACCESS.
- 25. REMOVE COPING STONE CAULK ONLY AT THE LOCATIONS SHOWN ON THE DRAWING AND AS INDICATED IN THE SPECIFICATION. COORDINATE LOCATIONS WITH THE MASONRY CONTRACTOR PERFORMING THE COPING STONE REPAIRS.
- 26. THE CONTRACTOR SHALL REMOVE THE CONCRETE TRENCH TOPS COVERING THE STEAM TRENCH TO EXPOSE THE PIPE INSULATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLISHING ANY WALLS, FLOOR TILES OR ANY OTHER ENCUMBRANCES TO EXPOSE THE STEAM TRENCH. THE TRENCH TOPS SHALL BE CLEANED OF THE RESIDUAL DEBRIS THEN REUSED BY THE CONTRACTOR TO COVER THE TRENCH FOLLOWING REINSULATION OF THE PIPES. THE TRENCH COVERS SHALL BE REMOVED AFTER THE CONTAINMENT IS ESTABLISHED. THE STEAM TRENCH WILL BE WET WIPED AND HEPA-VACUUMED DURING ABATEMENT. ALL RESIDUAL DEBRIS WITHIN THE TRENCHES AS WELL AS ON THE TRENCH TOPS IS TO BE REMOVED AND DISPOSED OF AS ASBESTOS-CONTAMINATED WASTE



WASTE DECONTAMINATION ENCLOSURE SYSTEM

CONSTRUCTION OF PERSONNEL DECONTAMINATION SYSTEM

_EXISTING WALL Puts on nylon swim suit Puts on clean overalls DUCT TAPE If separate disposable foo APPLY TWO LAYERS-OF SIX MIL PLASTIC

— BLASTGATE MANIFOLD AND ATTACH
USING ADJUSTABLE CLAMP AND
DUCT TAPE. SEAL AIRTIGHT.

TO ADDITIONAL

DUCT TAPE-

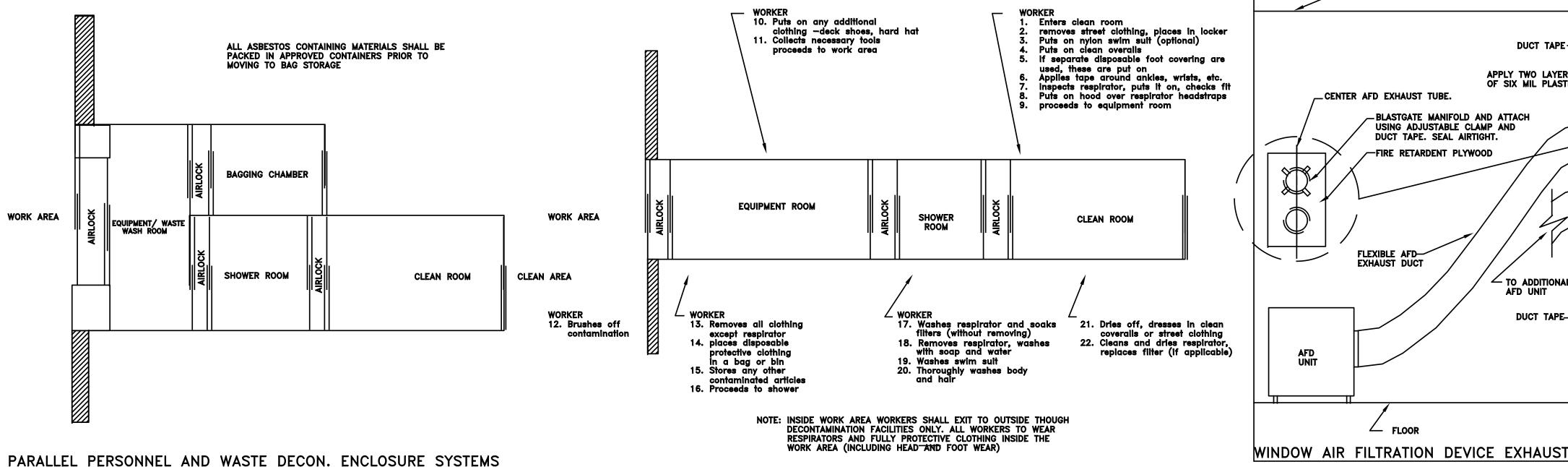
- EXISTING WALL

0

Bid

AFD UNIT

FIRE RETARDENT PLYWOOD



PERSONNEL DECONTAMINATION SYSTEM CAUTION SIGN SHALL BE PLACED ON THE CLEAN SIDE OF THE DOOR CAUTION LABELING SHALL IN ACCORDANCE WITH EPA FEDERAL CLEAN AREA REGULATIONS **APPLY TWO SHEETS** OF SIX MILL POLY
AS REQUIRED APPLY AND SECURE SHEETS OF POLY WITH DUCT TAPE AS REQUIRED **EXISTING DOOR** /EXHSTHNG/DOOM /BUICK /£XX18711016//2006/L EXISTING DOOR TO BE CLOSED AND SEALED **APPLY TWO SHEETS** APPLY AND SECURE SHEETS OF POLY WITH DUCT TAPE THE PERIMETER OF THE DOOR IS TO BE SEALED WITH DUCT TAPE ON THE AN EMERGENCY EXIT SIGN IS TO BE PLACED ON THE CONTAMINATED CONTAMINATED SIDE PRIOR TO APPLYING SIDE AT ALL SPECIFIED LOCATIONS THE TWO LAYERS OF POLY

__ 2"x4" ● 16" O.C(TYP.) —CEILING/DECKING CEILING DECKING -CAULKING -2 LAYERS OF 6 MIL— POLY SHEETING ON WALLS AND FLOOR CLEAN SIDE EXISTING WALL WORK AREA -3/8" PLYWOOD SHEET **ELEVATION** SECTION A-A

CONTAMINATED SIDE

EMERGENCY CRITICAL BARRIER AT DOOR

HOSE BEAD GALVANIZED METAL GALVANIZED METAL 1'-0" 12" O.D.

BLASTGATE MANIFOLD AND AJUSTABLE CLAMP FOR WINDOW

CONSTRUCTION OF A TEMPORARY SOLID BARRIER



ADJUSTABLE CLAMP WITH INTERNAL GASKET

KEY PLAN 💛 N

Project Number APPROVED APPROVED: Project Title Drawing Title ARCHITECT/ENGINEERS: NORTH: **CONSULTANTS:** 620-20-206 Asbestos Abatement Diagrams and Notes Firehouse Enhancement at FDR **Engineering** APPROVED: APPROVED: Building(s) Number ASBESTOS ABATEMENT CONSULTANT: Drawing Scale: ½" - 1'-0" 19 Service CERTIFICATION NUMBER 6360 EP STATE 12-1-2020 Egan Environmental Consulting, Inc. APPROVED: APPROVED: Approved: Facility Director, VAHVHCS: Drawing Number Location 812 OCEAN ROAD SPRING LAKE HEIGHTS, NEW JERSEY 07762 Montrose, NY 10548 1-HA102

Department of Veterans Affairs Tel: (914) 320—7924 Email: tom_egan2@yahoo.com Checked Drawn APPROVED: APPROVED: Approved: John Cliffe, Facility Chief of Engineering 100% Construction Documents 05/04/2021 TGE EDS 08-16-2021 Date:

COORDINATION OF ALL WORK UNDER THIS CONTRACT SHALL BE MAINTAINED TO

ENSURE THE QUALITY AND TIMELY COMPLETION OF THE WORK/PROJECT.

THE CONTRACTOR SHALL PERFORM ALL CUTTING AND PATCHING REQUIRED TO COMPLETE THE WORK OR TO MAKE ITS PARTS FIT TOGETHER PROPERLY WITHOUT COMPROMISING THE QUALITY OF THE WORK.

ALL EXISTING FIRE RATED CONDITIONS DISTURBED BY THE WORK SHALL BE RESTORED TO MATCH THE ORIGINAL FIRE RATED CONDITIONS.

DURING CONSTRUCTION, TEMPORARY SMOKE TIGHT CONSTRUCTION BARRIERS SHALL BE PROVIDED AROUND ALL CONSTRUCTION AND PROVIDED WITH A 1-3/4 INCH SELF CLOSING DOOR. EXISTING WALLS MAY BE USED AS CONSTRUCTION BARRIERS AS LONG AS THEY EXTEND TO THE UNDERSIDE OF SLAB ABOVE. FIREPROOF SEALANTS (RED) & EXISTING WALLS MAY BE USED AS CONSTRUCTION BARRIERS AS LONG AS THEY EXTEND TO THE UNDERSIDE OF THE SLAB ABOVE. FIRESTOP SEALANTS(RED) & TEMPORARY BAFFLES TO SEAL OPENINGS TO PREVENT DUST AND DIRT FROM FILTERING INTO OCCUPIED AREAS ARE TO BE PROVIDED BY THE CONTRACTOR.

THE CONTRACTOR SHALL KEEP THE WORK SITE FREE FROM DEBRIS AND ACCUMULATED REFUSE AND SHALL HAVE SOLE RESPONSIBILITY FOR ALL CONSTRUCTION AREAS FROM ENTRY BY UNAUTHORIZED PARTIES. THE SITE PROTECTING WILL BE LEFT BROOM CLEAN AT THE END OF EACH WORKING DAY.

ROUGH PLUMBING FOR FIXTURES PRIOR TO THE CONSTRUCTION OF PARTITIONS BEHIND SUCH FIXTURES.

THE CONTRACTOR SHALL FIELD VERIFY AND COORDINATE THE INSTALLATION OF

ALL VERTICAL AND HORIZONTAL SHAFTS SHALL HAVE A MINIMUM FIRE RATING OF 2-HOURS UNLESS REQUIRED OTHERWISE SPECIFIED BY CODE.

ALL LINTELS GREATER THAN 4'-0" SHALL BE STRUCTURALLY SUPPORTED.

10. ALL ELECTRICAL & MECHANICAL INDICATIONS ON ARCHITECTURAL DRAWINGS ARE FOR LOCATION PURPOSES ONLY.

11. THE CONTRACTOR SHALL EXTEND ALL WALL FINISHES A MINIMUM OF 12" ABOVE THE SUSPENDED OR FURRED CEILING.

12. ALL WORK PERFORMED SHALL PROVIDE AND MAINTAIN ACCESS TO AREAS, EQUIPMENT AND PARTS REQUIRING INSPECTION. MAINTENANCE AND REPAIR.

13. THE CONTRACTOR SHALL MAINTAIN FREE AND UNOBSTRUCTED ACCESS FROM OUTSIDE OF THE BUILDING AT ALL TIMES DURING THE COURSE OF THE JOB.

14. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION BARRIERS AROUND WORK AREAS AS REQUIRED TO PREVENT UNAUTHORIZED PERSONS FROM ENTERING THEREIN.

15. WHERE MANUFACTURERS' NAMES AND PRODUCT NUMBERS ARE INDICATED ON THE DRAWINGS IT SHALL BE CONSTRUED TO MEAN THE ESTABLISHMENT OF QUALITY AND PERFORMANCE STANDARDS OF SUCH ITEMS. ANY SUBSTITUTE PRODUCTS SHALL BE SUBMITTED TO THE C.O.R. FOR APPROVAL BEFORE THEY ARE DEEMED EQUAL.

16. DIMENSIONS ON PLANS ARE INDICATED FROM CENTER TO CENTER. CENTER TO SURFACE, SURFACE TO SURFACE BETWEEN WALLS, PARTITIONS AND OTHER ITEMS EXCLUSIVE OF FINISHES.

17. THE CONTRACTOR SHALL PATCH AND REPAIR ALL FLOORS, WALLS, CEILINGS, ETC. IN SPACES. WHETHER IN SCOPE OR NOT. THAT HAVE BEEN DAMAGED OR EXPOSED DUE TO WORK, REMOVALS OR TEMPORARY STORAGE AND FINISH THEM TO MATCH ADJACENT SURFACES.

18. IF ANY UTILITIES OR SERVICES ARE INTERRUPTED DURING THE EXECUTION OF THE CONTRACT, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REROUTE AND/OR PROVIDE TEMPORARY SERVICE SO AS NOT TO DISRUPT ANY SERVICE TO THE BUILDING.

19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL METHODS AND MEANS OF CONSTRUCTION AND PROVIDE ALL SAFEGUARDS TO INSURE SAFETY TO THE PUBLIC FOR THE DURATION OF THIS RENOVATION PROJECT.

20. COORDINATE RADIATOR REMOVALS AND REINSTALLATION AND UNIT VENT REPLACEMENT WITH WITH FLOORING REMOVALS AND REINSTALLATION.

21. ALL EXISTING FURNITURE, HARDWARE AND EQUIPMENTS INCLUDING BUT NOT LIMITED TO CHAIRS, TABLES, BULLETIN BOARDS, TELEPHONES, KITCHEN AND COOKWARE, A/C UNITS (WALL AND WINDOW MTD) SHALL BE DEMOUNTED, STORED AND PROTECTED AS DIRECTED BY THE C.O.T.R.

22. THE CONTRACTOR SHALL MAINTAIN NOISE CONTROL AT THE JOB SITE. CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH THE V.A. FACILITY.

Date:

GENERAL NOTES (CON'T):

23. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EXISTING WINDOW A/C UNITS IN CLEANLINESS, FUNCTION AND STATE OF REPAIR THROUGHOUT THE COURSE OF WORK.

24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE DISABLING, REMOVAL OR RELOCATION OF ANY FIRE ALARM, FIRE STROBE OR OTHER COMPONENT OF THE FIRE ALARM SYSTEM WITH THE V.A. FIRE DEPARTMENT.

25. CONTRACTOR TO COORDINATE WITH C.O.T.R. REQUIREMENTS WHEN NEED ARISES TO DISCONNECT AND OR RELOCATE FIRE ALARM STROBES. CONTRACTOR TO FABRICATE SUPPORTS TO MOUNT HANGING DEVICES.

26. ALL HOT WORK (WELDING, BRAZING) WILL REQUIRE BURN PERMITS TO BE SIGNED OFF AND COORDINATION WITH VA FIRE DEPT. TO DE-ACTIVATE SMOKE DETECTORS IN THE AREA WHILE WORKING AND NOTIFICATION WHEN COMPLETED ON A DAILY BASIS.

27. ALL ITEMS ARE TO BE NEW, EXCEPT AS OTHERWISE NOTED AS EXISTING.

28. SPECIAL NOTE FOR CORRIDOR WALLS USED AS BARRIERS, CONTRACTOR SHALL FIRESTOP PENETRATIONS & OPENINGS ABOVE SUSPENDED CEILING AS PART OF THE BARRIER REQUIREMENTS.

29. CONSTRUCTION BARRIER SHALL BE A MIN. TWO (2) HOUR FIRE SEPARATION FROM EXISTING OFFICE AREAS AND CONSTRUCTION AREA. SEE SHEET "AD 100".

ALL DEMOLITION AND CONSTRUCTION WORK WILL BE STRICTLY REGULATED BY V.A. SPECIFICATIONS AND OSHA REQUIREMENTS; SAFETY AND HEALTH REGULATIONS.

31. FIRE SPRINKLERS TO REMAIN IN PLACE, PROTECTED AND ACTIVE UNTIL REMOVAL OR REPLACEMENT OF THE OLD HEADS.

PROVIDE ACTIVE MEANS TO PREVENT AIRBORNE DUST FROM DISPERSING INTO THE EXISTING CORRIDOR AND ATMOSPHERE.

33. WATER MIST WORK SURFACES TO CONTROL DUST WHILE CUTTING WHEN NEEDED.

SEAL UNUSED DOORS WITH DUCT TAPE AND OR PLASTIC FOR DUST CONTROL IN **ACTIVE AREAS.**

35. BLOCK OFF AND SEAL EXISTING AIR VENTS.

36. PLACE DUST MATS AT ENTRANCES AND EXITS OF WORK AREA.

37. NOT SHOWN WALL RADIATORS AND EXPOSED PIPING SHALL BE PROTECTED. ALL EXISTING LIGHT FIXTURES TO BE REMOVED PRIOR TO DEMOLITION WORK.

38. TEMPORARY LIGHTING SHALL BE PROVIDED AND INSTALLED BY CONTRACTOR.

39. THE FOLLOWING IS EXPECTED UPON COMPLETIONS OF EVERY WORK DAY:

A. WIPE ALL WORK SURFACES WITH DISINFECTANT.

B. CONTAIN CONSTRUCTION WASTE BEFORE TRANSPORT IN TIGHTLY COVERED CONTAINERS.

C. WET MOP AND/OR VACUUM WITH HEPA FILTERED VACUUM BEFORE LEAVING WORK AREA.

GENERAL ABBREVIATIONS:

 ABOVE AIR CONDITIONING A.C.T ACOUSTICAL CEILING TILE ABOVE FINISHED FLOOR A.H.U. AIR HANDLING UNIT AL./ALUM. - ALUMINUM

APPROX. -APPROXIMATE AVERAGE AVG. C.M.U.

 CONCRETE MASONRY UNIT DWG. DRAWING

DWTR DUMB WAITER - ELECTRIC ELEC. ELEV. - ELEVATOR EQPM EQUIPMENT

 EXTERIOR EXT. FLOOR DRAIN F.D. FURN. FURNITURE

FT. FEET GYP. GYPSUM

 GYPSUM WALL BOARD G.W.B.

HEIGHT **HOLLOW METAL** INCH INTERIOR

MINIMUM MASONRY OPENING NORTH

NOT APPLICABLE NOT IN CONTRACT NUMBER N.T.S. NOT TO SCALE OPPOSITE

ROOF DRAIN ROOM SQ.FT./SF -SQUARE FEET TH./THK. - THICKNESS

TYPICAL TYP. V.C.T. VINYIL COMPOSITE TILE VESTIBULE VEST. VERIFY IN FIELD V.I.F.

WIRE MESH

GENERAL ARCHITECTURAL SYMBOLS

CENTER LINE IDICATOR HIDDEN FEATURES LINE **SMOKE BARRIER LINE** CONSTRUCTION/FIRE BARRIER LINE

BREAK, STRAIGHT (SEE SECTION INDICATORS, BUILDING, WITH BREAK STANDARDS)

DETAIL INDICATOR

DETAIL INDICATOR

CENTER LINE

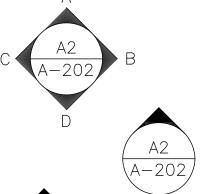
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DETAIL INDICATOR FOR SMALL CONDITIONS

DIMENSION LINE

DRAWING BLOCK TITLE, TYPICAL

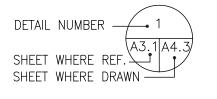
ELEVATION INDICATOR, EXTERIOR



ELEVATION INDICATOR, INTERIOR, SINGLE VIEW

ELEVATION INDICATOR, INTERIOR, MULTIPLE VIEW

BUILDING SECTION INDICATOR



DETAIL INDICATOR

COLUMN GRID

234

A4

FURNITURE, FIXTURE, & EQUIPMENT INDICATOR ROOM NAME AND NUMBER

(55) A _____

RR, RCR

INTERIOR WINDOW INDICATOR WALL OR PARTITION TYPE

RADIATOR

CORNER GUARD

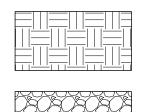
RECCESSED RADIATOR OR RECESSED CONVECTION

V V ITEM - VA SUPPLIED & INSTALLED VC ITEM - VA SUPPLIED & CONTRACTOR INSTALLED

CC ITEM - CONTRACTOR SUPPLIED & INSTALLED

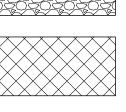
CC

CONCRETE

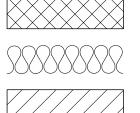


BASE COURSE

EARTH



RIGID INSULATION



BATT. INSULATION

EXISTING MASONRY WALL TO REMAIN

MISC. SYMBOLS LEGEND:

PARTITION DESIGNATION AND TYPE:

TILE

MASONRY CONCRETE

GYPSUM TILE BLOCK

BRICK

CEILING HEIGHT AND TYPE:

PL•8'-0" PLASTER

PLASTER

(LAT•9'-0") LAY-IN ACOUSTICAL TILE FIRE PROTECTED METAL CONCEALED SPLINE CONCRETE GYPSUM WOOD

KEY PLAN

Project Number

620-20-206

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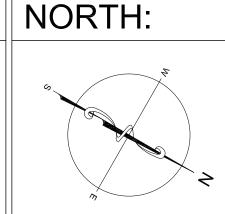
Building(s) Number

Drawing Number

Dwg. 09 of 61

Bid Documents	08-17-2021
100% Working Drawing Submission	08-16-2021
95% Working Drawing Submission	05-21-2021
65% Working Drawing Submission	02-26-2021
35% Working Drawing Submission	06-25-2018
100% Preliminary Design Submission	10-05-2017

ARCHITECT/ENGINEERS: **CONSULTANTS:**



APPROVED: APPROVED: APPROVED: APPROVED: APPROVED: APPROVED: APPROVED: APPROVED:

Drawing Title Project Title General Notes and Firehouse Enhancement Requirements Approved: Facility Director, VAHVHCS: Montrose, New York Approved: John Cliffe, Facility Chief of Engineering Checked Drawn 08-17-2021 LS

Service

Submission

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VA FORM 08-6231, OCT 1978

Bid

Engineering

Department of Veterans Affairs Department of

IBLDG. 19 ROOF DEMOLITION PLAN

SCALE: ½" = 1'-0"

₹ ~ CT+

ROOF DEMOLITION NOTES:

REMOVE EXISTING CONDENSER UNIT. DISCONNECT AND ALL ASSOCIATED WIRING, CONDUIT, AND CONDUIT SUPPORTS TO BE REMOVED BACK TO SOURCE CIRCUIT BREAKER PANEL. ALSO REMOVE EXISTING REFRIDGERANT PIPING IN IT'S ENTIRETY.

EXISTING CONDENSER UNIT TO REMAIN IN PLACE AND CONTINUE TO REMAIN OPERATIONAL. CONTRACTOR SHALL TEMPORARILY RAISE EQUIPMENT TO WHILE ROOF REPLACEMENT CONTINUES. REINSTALL EQUIPMENT ON NEW CURB (IF NESSARY), AS PER ROOF MANUFACTURER'S INSTRUCTIONS. CONTRACTOR SHALL BE RESPONSABLE FOR MODIFICATIONS AND MAINTAINING EXISTING ELECTRICAL AND REFRIDGERANT CONNECTIONS TO EQUIPMENT.

REMOVE EXISTING SECTIONS OF DAMAGED COPING STONE AND REPLACE WITH NEW TO MATCH EXISTING NATURAL COLOR.

REOVE, UNDER ASBESTOS ABATEMENT, EXISTING ROOF SYSTEM IN IT'S ENTIRETY INCLUDING MASTIC ATOP THE EXISTING CONCRETE SLAB AND NAILING CONCRETE. NAILING CONCRETE TO REMAIN FOR FASTENING OF NEW ROOF SYSTEM. ONLY REMOVE AND REPLACE EXISTING MATERIALS WITH NEW THAT CAN BE COMPLETED IN ONE (1) DAYS

REMOVE EXISTING ROOF SYSTEM TO EXISTING CANT, NAILING CONCRETE TO BE SCRAPED AND CLEANED AND SHALL REMAIN. CONTINUOUS FLASHING AND FLASHING BLOCK TO BE REPLACED WITH NEW IF NECESSARY.

RELINE EXISTING THROUGH WALL SCUPPERS AND/OR REPLACE DAMAGED SCUPPERS WITH NEW MATERIALS IF NECESSARY.

EXISTING EPDM ROOFING TO REMAIN. ASSOCIATED FLASHING REPAIRS ARE REQUIRED. FIELD VARIFY.

 $oxed{8}.$ Existing built—up roofing system down to the metal DECK INCLUDING FASCIA BOARD, FLASHING AND CAP FLASHING TO BE REPLACED WITH NEW.

[9.] REMOVE EXISTING ANY LOOSE MASONRY AND REPLACE WITH NEW. PREPARE SURFACE FOR TUCKPOINTING.

[10.] EXISTING CURB, CONCRETE BLOCK, MASONRY BRICK, TUCKPOINTING AND/OR STONE PAD BASE TO BE REMOVED.

) EXISTING CURB TO REMAIN. ANY DAMAGE REVEALED, CONTRACTOR SHALL MAKE REPAIRS IF NECESARY.

[12.] REMOVE EXISTING 18" DIA. VENTILATION FAN, CURBING, ALL ASSOCIATED WIRING, CONDUIT, AND CONDUIT SUPPORTS BACK TO CIRCUIT BREAKER IN PANEL. SEAL ROOF OPEINING WITH $\frac{3}{4}$ " FIRE RATED PLYWOOD. COMPLETION OF WORK SHALL BE INSPECTED AND APPROVED BY VA COR AND VA FIRE CHIEF.

EXISTING 18" DIA. VENTILATION FAN TO REMAIN IN PLACE AND CONTINUE TO REMAIN OPERATIONAL. CONTRACTOR SHALL TEMPORARILY RAISE EQUIPMENT TO WHILE ROOF REPLACEMENT CONTINUES. REINSTALL EQUIPMENT ON NEW CURB (IF NESSARY), AS PER ROOF MANUFACTURER'S INSTRUCTIONS. CONTRACTOR SHALL BE RESPONSABLE FOR MODIFICATIONS AND MAINTAINING EXISTING ELECTRICAL AND REFRIDGERANT CONNECTIONS TO EQUIPMENT.

[14.] EXISTING 24" DIA. VENTILATION FAN TO REMAIN IN PLACE AND CONTINUE TO REMAIN OPERATIONAL. CONTRACTOR SHALL TEMPORARILY RAISE EQUIPMENT TO WHILE ROOF REPLACEMENT CONTINUES. REINSTALL EQUIPMENT ON NEW CURB (IF NESSARY), AS PER ROOF MANUFACTURER'S INSTRUCTIONS. CONTRACTOR SHALL BE RESPONSABLE FOR MODIFICATIONS AND MAINTAINING EXISTING ELECTRICAL AND REFRIDGERANT CONNECTIONS TO EQUIPMENT.

EXISTING ROOF DRAINS TO REMAIN. CONTRACTOR SHALL PROTECT FROM DAMAGE. IF ANY DAMAGE SHOULD OCCUR, CONTACTOR MUST REPLACE DRAIN AT NO COST TO THE

16. CORE DRILL 8" HOLE INTO EXISTING CONCRETE ROOF SLAB ABOVE EXISTING STEAM CLOSET.

GENERAL DEMOLITION NOTES:

1. ROOF DEMOLITION MUST BE COORDINATED WITH ROOF ASBESTOS ABATEMENT. SEE SHEET 1-HA-100 ROOF ASBESTOS ABATEMENT PLAN.

2. THESE DEMOLITION NOTES APPLY TO ALL ITEMS WITHIN THE ALTERATION SPACE UNLESS OTHERWISE NOTED. SHOULD ANY ONE ITEM NOT BE IDENTIFIED WITH A SYMBOL THE INTENT IS ALL SAME ITEMS TO BE REMOVED. ALL DEMOLITION AND DISPOSAL SHALL BE IN CONFORMANCE WITH SPECIFICATION SECTIONS 01 74 19 CONSTRUCTION WASTE MANAGEMENT, 02 41 00 DEMOLITION, 02 82 13.21 ASBESTOS ROOFING ABATEMENT, 02 83 3313 LEAD-BASED PAINT REMOVAL AND ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS.

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3. AT THE END OF EACH WORK DAY THE ROOF MUST BE WEATHER TIGHT.

4. AT ALL PARAPET WALLS, REMOVE ALL LOOSE MATERIAL ON INSIDE FACE. COPING STONES TO REMAIN. REBUILD PARAPETS PER DETAILS.

PROVIDE SHOP DRAWINGS, MATERIAL PRODUCT DATA, SUBMITTAL LOG AND MSDS SHEETS WITHIN TWO WEEKS OF CONTRACT SIGNING, FOR APPROVAL BY COR.

ANY SUBSTITUTIONS OF PRODUCT MUST BE APPROVED BY CO/COR PRIOR TO INSTALLATION OR RUN THE RISK OF REPLACEMENT AT CONTRACTORS EXPENSE AND PENALTIES FOR TIME DELAYS. SUBSTITUTIONS MUST BE SUBMITTED WITHIN TWO WEEKS OF CONTRACT SIGNING.

7. FULLY ADHERE THE ROOFING INSULATION TO THE DECK TO COMPLY WITH 120 MILE PER HOUR WIND CODE.

COORDINATE LOCATION OF STORAGE AREA WITH CONTRACTING OFFICER. ALL CONSTRUCTION AND OTHER MATERIALS SHALL BE STORED AT THE DESIGNATED STORAGE AREA AS SHOWN ON THE DRAWINGS AND ON COMPLETION OF WORK OR AS DEEMED NECESSARY ALL SURPLUS/REFUSE/DEBRIS MATERIAL SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF SITE AT NO ADDITIONAL COST TO THE V.A.

CONTRACTOR SHALL QUANTIFY ALL ITEMS ON EXISTING ROOF INCLUDING BUT NOT LIMITED TO MECHANICAL EQUIPMENT, ROOF DRAINS, CURBING, SUPPORT 4" X 4" BLOCKS, PITCH POCKETS, PARAPET WALLS, ELECTRICAL PIPING, ACCESS STAIRS, CABLE SUPPORT ATTACHMENTS TO ROOF, ETC. ANY DISCREPANCIES IN COUNTS FROM WHAT HAS BEEN SHOWN ON CONSTRUCTION DOCUMENTS SHALL BE INCLUDED IN THE BID. CONTRACTORS TO VERIFY QUANTITIES DURING PROJECT WALK THROUGH.

PHASING NOTES:

1. ALL WORK UNDER THIS CONTRACT SHALL BE DIVIDED INTO PHASED AREAS. THE CONTRACTOR SHALL PERFORM ALL WORK IN EACH PHASE IN THE SEQUENCE SHOWN IN THE "PHASING SEQUENCE AND TIME LINE SCHEDULE" THIS SHEET. ALL WORK IN EACH PHASE MUST BE COMPLETE, TESTED AND SIGNED OFF BY THE COR BEFORE STARTING THE NEXT PHASE OF WORK.

ALL DEMOLITION AND CONSTRUCTION WORK SHALL BE PERFORMED DURING REGULAR BUSINESS HOURS EXCEPT WORK WHICH IS IN DIRECT LOCATION OF VA PERSONNEL. THIS WORK TO BE PREFORMED DURING AFTER HOURS (BETWEEN 5PM AND 6AM, MONDAY THROUGH FRIDAY, NO HOLIDAYS). COORDINATE WORK SCHEDULE W/ COR PRIOR TO COMMENCING WORK.

AFTER HOURS WORK DISRUPTING THE MEANS OF EGRESS TO BE KEPT CLEAR AND OPEN.

4. THE ORDER OF THE PHASES TO BE VERIFIED WITH THE COR. NOTIFY THE COR TO ARRANGE THE ACCESSIBILITY OF EACH AREA BEFORE COMMENCING WORK. MAKE THE PROPER ARRANGEMENTS WITH THE COR AS TO THE ACCESSIBILITY OF EACH PHASE IN ADVANCE.

AT EACH PHASE PROVIDE TEMPORARY SIGNAGE FOR EGRESS DIRECTION AS REQUIRED.

6. ALL ROOF WORK TO BE EXECUTED FROM THE EXTERIOR OF THE BUILDING. NO ACCESS TO INTERIOR BY ROOFING CONTRACTORS. SCAFFOLDING, LIFTS, LADDERS BY CONTRACTOR.

7. PLUMBING. ELECTRICAL AND GENERAL CONTRACTOR CAN ACCESS THE INTERIOR TO PREFORM THE REQUIRED WORK AT EACH PHASE.



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Engineering

Service

Department of Veterans Affairs

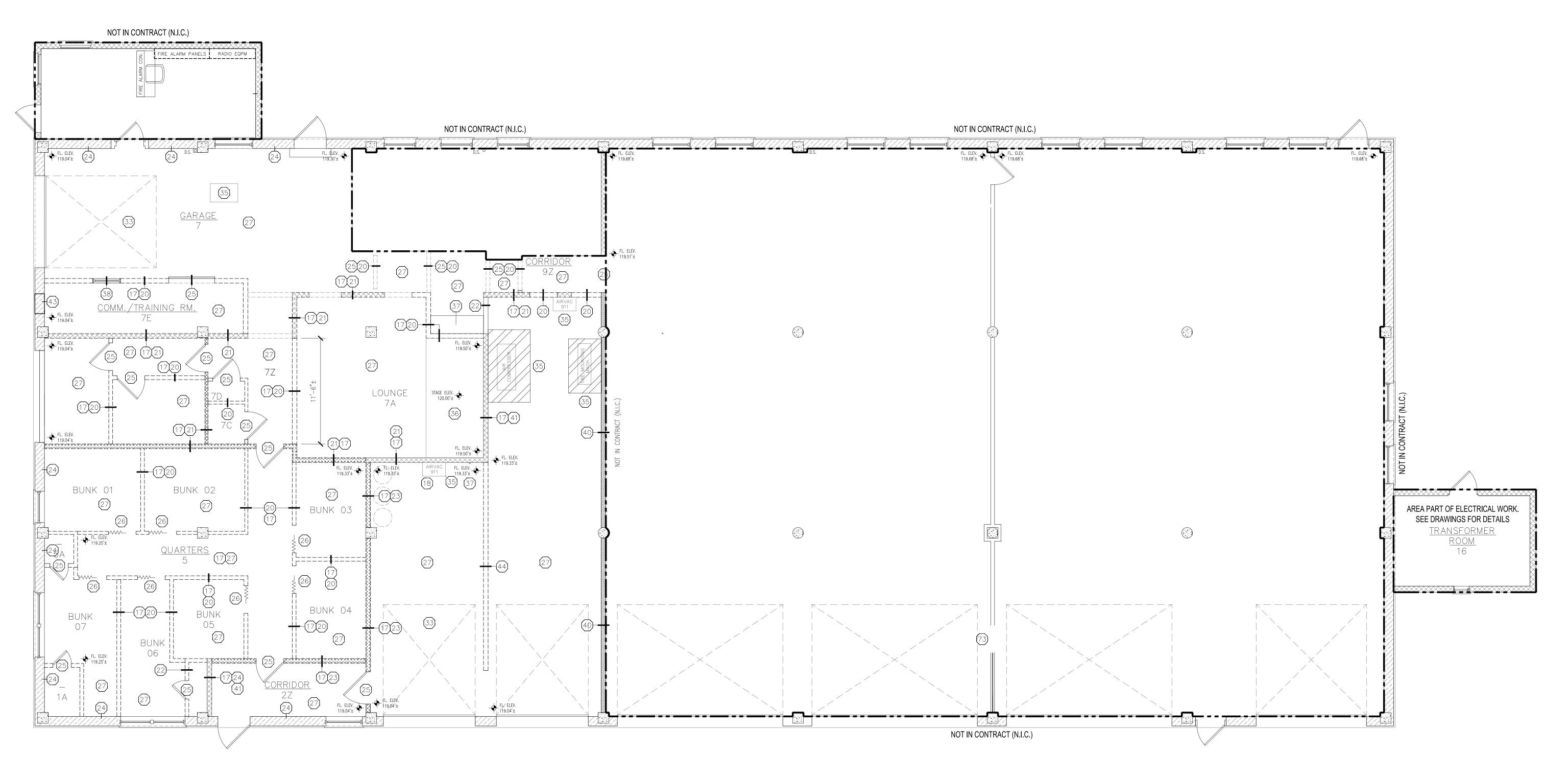
KEY PLAN

620-20-206

ot 16			CONSULTANTS:
one foot	Bid Documents	08-17-2021	
	100% Working Drawing Submission	08-16-2021	
inch B	95% Working Drawing Submission	05-21-2021	
	65% Working Drawing Submission	02-26-2021	
eighth 4	35% Working Drawing Submission	06-25-2018	
	100% Preliminary Design	10-05-2017	_
one 0	Revisions:	Date:	

ARCHITECT/ENGINEERS:	NORTH:

APPROVED:	APPROVED:	Drawing Title	Project Title			Project Number
		Roof Demolition Plan				620-20-206
APPROVED:	APPROVED:	Ground Floor	Firehouse	Enhancem	nent	Building(s) Number
		Scale: As Noted				019
APPROVED:	APPROVED:	Approved: Facility Director , VAHVHCS:	Location			Drawing Number
			Montros	e, New Y	ork	AD 40
APPROVED:	APPROVED:	Approved: John Cliffe, Facility Chief of Engineering	Date	Checked	Drawn	AD 10
			08-30-2021	LS	AMI	Dwg 10 of 61



ARCHITECTURAL DEMOLITION PLAN

10-05-2017

SCALE: ³/₁₆" = 1'-0"

KEY PLAN

08-30-2021

DEMOLITION NOTES:

- REMOVE ALL WALL MTD. ITEMS SUCH AS DOOR STOPPERS, TACK BOARDS, PHONE MOUNTS, PHONE BOXES, VISUAL MIRRORS, HOOKS, ECT. FIELD VERIFY.
- 18. EXISTING UTILITY SINK AND ALL ASSOCIATED PIPING TO BE DEMOLISHED. CAP PIPING WHERE NECESSARY. FIELD VERIFY THESE LOCATIONS.
- 19. REMOVE EXISTING SANITARY FIXTURES AND ASSOCIATE PIPING. CAP PIPING WHERE NECESSARY. VERIFY THESE LOCATIONS.
- 20. EXISTING TYP. GYP. WALL, FURRING WALL, CHASE, AND/OR SOFFIT CONSTRUCTION, IN ADDITION TO ANY WALL MTD. ELEC., TELE. COMM., AND MECH. RECEPT., TO BE DEMOLISHED ALONG WITH ALL ASSOCIATED WIRING, PIPING, CONDUIT, AND JUNCTION BOXES, ECT. TO SOURCE. FIELD
- (21) EXISTING MASONRY WALL, FURRING WALL, CHASE, AND/OR SOFFIT CONSTRUCTION, IN ADDITION TO ANY WALL MTD. ELEC., TELE. COMM., AND MECH. RECEPT., TO BE DEMOLISHED ALONG WITH ALL ASSOCIATED WIRING, PIPING, CONDUIT, AND JUNCTION BOXES, ECT. TO SOURCE. FIELD VERIFY.
- 22. EXISTING FIRE RATED GYP. WALL CONSTRUCTION, IN ADDITION TO ANY WALL MTD. ELEC., TELE. COMM., AND MECH. RECEPT., TO BE DEMOLISHED ALONG WITH ALL ASSOCIATED WIRING, PIPING, CONDUIT, AND JUNCTION BOXES, ECT. TO SOURCE. THICKNESS VARIES FROM 4"-6". FIELD VERIFY.
- 23. EXISTING FIRE RATED MASONRY WALL CONSTRUCTION, IN ADDITION TO ANY WALL MTD. ELEC., TELE. COMM., AND MECH. RECEPT., TO BE DEMOLISHED ALONG WITH ALL ASSOCIATED WIRING, PIPING, CONDUIT, AND JUNCTION BOXES, ECT. TO SOURCE. FIELD VERIFY.
- 24. PREPARE ALL SURFACES REMAINED FOR PATCHING AND PAINTING.
- 25. REMOVE ALL DESIGNATED DOORS AND FRAMES. SIZES WILL
- (26) DEMOLISH EXISTING SLIDING ACCORDIAN DOOR AND TRACK.
- 27. REMOVE ALL FLOORING TO EXISTING CONCRETE SLAB.
 CLEAN AND SCARIFY, IF NECESSARY, ALL FLOORS TO
 REMOVE DIRT, GREASE, GLUE, ADHESIVE, OR RESIDUE THAT
 MAY PREVENT PROPER ADHESION OF NEW FLOORING.
- (28) EXISTING LAVATORY AND ASSOCIATED PIPING AND SANITARY PIPING TO BE REMOVED.
- 29. DEMOLISH EXISTING LAY—IN ACCOUSTIC CEILING TILE AND CEILING GRID.
- 30. REMOVE ALL ASSOCIATED MECHANICAL SUPPLY AND RETURN GRILLES. SEE REFLECTED CEILING PLAN. IN ALSO REFER TO SHEET "MD101" FOR ADDITIONAL DEMOLITION DETAILS.
- 31. REMOVE ALL 2'x2' LIGHT FIXTURES AND/OR RECESSED LIGHTING, ASSOCIATED WIRING, CONDUIT, CONDUIT SUPPORTS, JUNCTION BOXES, ECT. TO SOURCE. SEE SHEET "ED" FOR LIGHTING DEMOLITION PLAN.
- 32. EXISTING CEILING MTD. SPEAKERS SHALL BE REMOVED AND STORED SAFELY FOR REINSTALLATION.
- EXISTING GARAGE DOOR AND TRACK TO DEMOLISHED.
 PRIOR TO REMOVAL, DISCONNECT EXISTING POWER AND REMOVE MOTOR.
- (34) FIRE SPRINKLERS TO REMAIN IN PLACE AND ACTIVE.
 ALTERATIONS WILL BE DONE ONCE NEW CIELING IS IN PLACE. SEE "FD 101" FOR SPRINKLER HEAD REMOVAL.
- EQUIPMENT TO BE REMOVED AND TURNED INTO V.A.
 SHOPS. ALL ASSOCIATED WIRING, CONDUIT, CONDUIT
 SUPPORTS REMOVED TO THE SOURCE. SEE SHEET
 "MD101".
- 36. EXISTING RAISED FLOOR AND FRAMING TO BE DEMOLISHED TO EXISTING CONCRETE SLAB.
- REMOVE AND TURN OVER EXISTING EMERGANCY EYE WASH FOR SHOPS TO RELOCATE AND INSTALL. ALL ASSOCIATED PIPING TO BE REMOVED. CUT AND CAP AS SOURCE.
- (38) EXISTING HALF CHASE WALL TO BE DEMOLISHED. DISCONNECT EXISTING PIPING.
- (39) REMOVE EXISTING VIEW WINDOW AND FRAME.
- (40) CONTRACT SHALL ERECT A 6", 2—HR RATED CONSTRUCTION BARRIER. UPON COMPLETION OF WORK, THIS PARTION SHALL BECOME PERMINANT.
- (41) EXISTING 6" MASONRY PARTITION TO REMAIN.
- 42. SAW CUT EXISTING 6" CONCRETE BLOCK PARTITION FOR NEW DOOR INSTALLATION. SEE SHEET "AI 503" FOR DOOR SIZE.
- (43) REMOVE EXISTING AIR CONDITIONING UNIT AND RETURN TO A/C SHOP.
- 44. EXISTING CARPORT CURBING TO DEMOLISHED.
- REMOVE ALL 1'x4' LIGHT FIXTURES, ASSOCIATED WIRING, CONDUIT, CONDUIT SUPPORTS, JUNCTION BOXES, ECT. TO SOURCE. SEE SHEET "ED" FOR LIGHTING DEMOLITION PLAN.

Dwg 11 of 61

		OONIOLII TANITO	A DOLUTEOT/ENIONIEEDO	NODTH	APPROVED:	APPROVED:	Drawing Title	Project Title	Project Number
		CONSULTANTS:	ARCHITECT/ENGINEERS:	NORTH:			Interior Demolition Plan		620-20-206
					APPROVED:	APPROVED:	Ground Floor	Firehouse Enhancement	Building(s) Number
Bid Documents	08-17-2021			s v			Scale: As Noted		019
100% Working Drawing Submission	08-16-2021								019
95% Working Drawing Submission	05-21-2021				APPROVED:	APPROVED:	Approved: Facility Director , VAHVHCS:	Location	Drawing Number
65% Working Drawing Submission	02-26-2021							Montrose, New York	A D 4 O 4
100% Working Drawing Submission	06-25-2018				APPROVED:	ADDDOVED	Approved, John Cliffe, Facility Chief of Engineering	Dete Checked Drawn	AD 101
100% Proliminary Design	10-05-2017				APPROVED:	APPROVED:	Approved: John Cliffe, Facility Chief of Engineering	Date Checked Drawn	

100% Preliminary Design

one eighth inch = one foot

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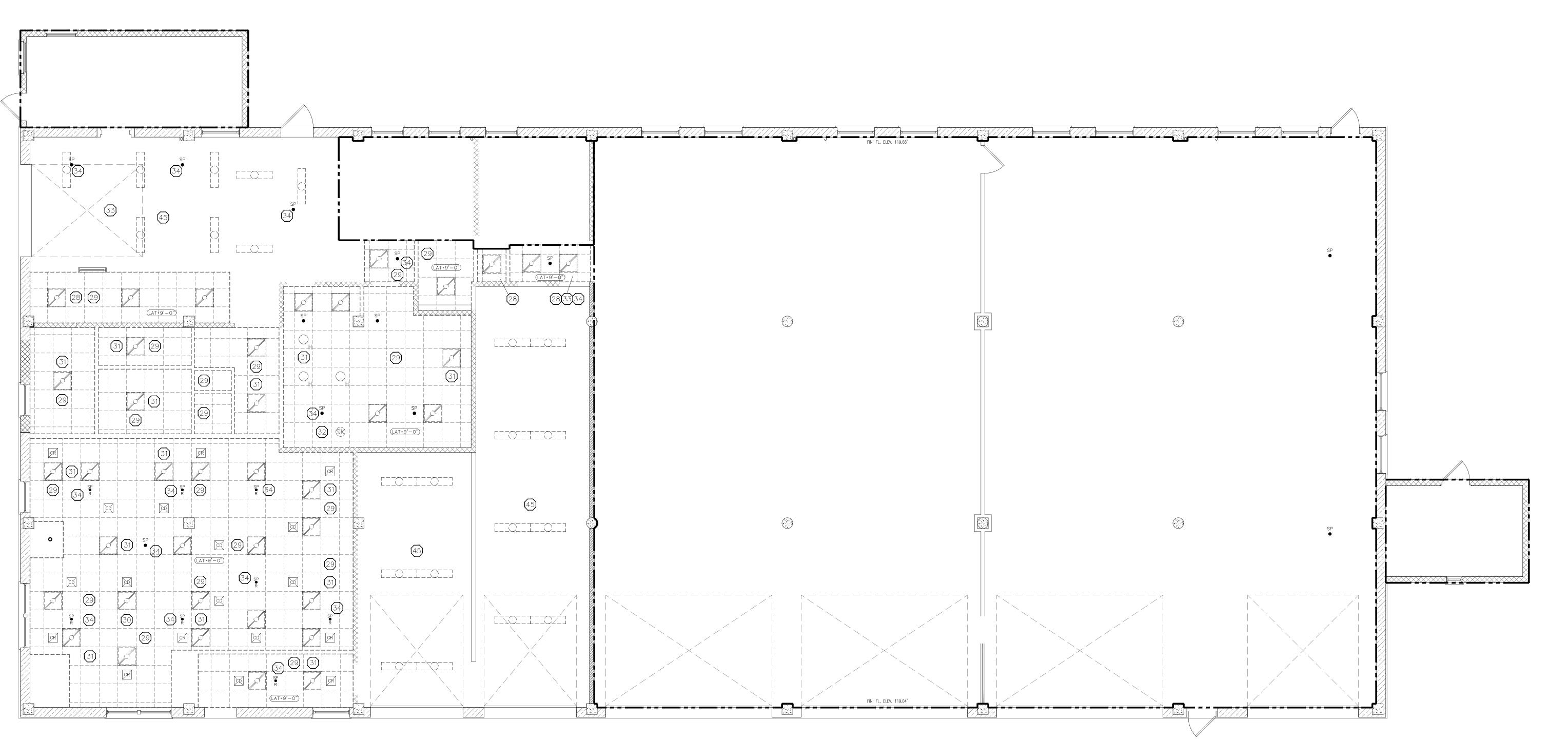
RETURN TO

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ED WIRING,
ES, ECT. TO
OLITION PLAN.

Engineering

Department of Veterans Affairs



DEMOLITION NOTES:

- (28) EXISTING LAVATORY AND ASSOCIATED PIPING AND SANITARY PIPING TO BE REMOVED.
- (29) DEMOLISH EXISTING LAY—IN ACCOUSTIC CEILING TILE AND
- 30. REMOVE ALL ASSOCIATED MECHANICAL SUPPLY AND RETURN GRILLES. SEE REFLECTED CEILING PLAN. IN ALSO REFER TO SHEET "MD101" FOR ADDITIONAL DEMOLITION DETAILS.
- (31) REMOVE ALL 2'x2' LIGHT FIXTURES AND/OR RECESSED LIGHTING, ASSOCIATED WIRING, CONDUIT, CONDUIT SUPPORTS, JUNCTION BOXES, ECT. TO SOURCE. SEE SHEET "ED" FOR LIGHTING DEMOLITION PLAN.
- 32. EXISTING CEILING MTD. SPEAKERS SHALL BE REMOVED AND STORED SAFELY FOR REINSTALLATION.
- (33) EXISTING GARAGE DOOR AND TRACK TO DEMOLISHED. PRIOR TO REMOVAL, DISCONNECT EXISTING POWER AND REMOVE MOTOR.
- 34. FIRE SPRINKLERS TO REMAIN IN PLACE AND ACTIVE.
 ALTERATIONS WILL BE DONE ONCE NEW CIELING IS IN PLACE. SEE "FD 101" FOR SPRINKLER HEAD REMOVAL.
- (45) REMOVE ALL 1'x4' LIGHT FIXTURES, ASSOCIATED WIRING, CONDUIT, CONDUIT SUPPORTS, JUNCTION BOXES, ECT. TO SOURCE. SEE SHEET "ED" FOR LIGHTING DEMOLÍTION PLAN.

REFECTED CEILING DEMOLITION PLAN

KEY PLAN

		CONCLUTANTO:	ADCHITECT/ENCINEEDO:	NODTU:	APPROVED:	APPROVED:	Drawing Title
		CONSULTANTS:	ARCHITECT/ENGINEERS:	NORTH.			Interior Demolition Plan
					APPROVED:	APPROVED:	Ground Floor
Bid Documents	08-17-2021			S Y			Scale: As Noted
100% Working Drawing Submission	08-16-2021						
95% Working Drawing Submission	05-21-2021				APPROVED:	APPROVED:	Approved: Facility Director , VAHVHCS:
65% Working Drawing Submission	08-21-2018						
35% Working Drawing Submission	06-25-2018				APPROVED:	APPROVED:	Approved: John Cliffe, Facility Chief of Engineering
100% Preliminary Design	10-05-2017			77	AFFROVED.	AFFROVED.	Approved. John Chile, Facility Chief of Engineering
Revisions:	Date:						

Engineering Drawing Number Department of Veterans Affairs

Project Number

620-20-206

Building(s) Number

Project Title

08-30-2021

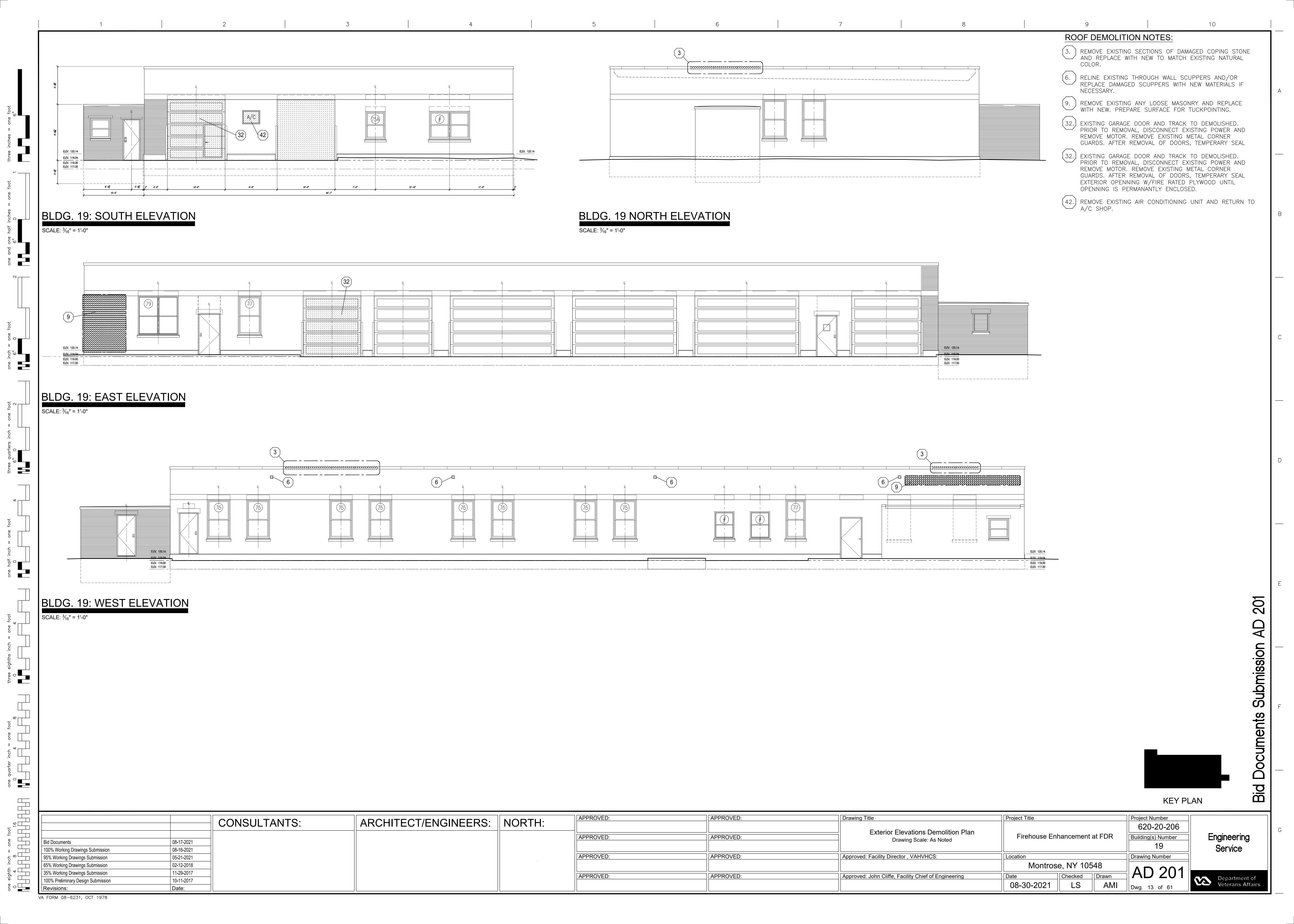
Firehouse Enhancement at FDR

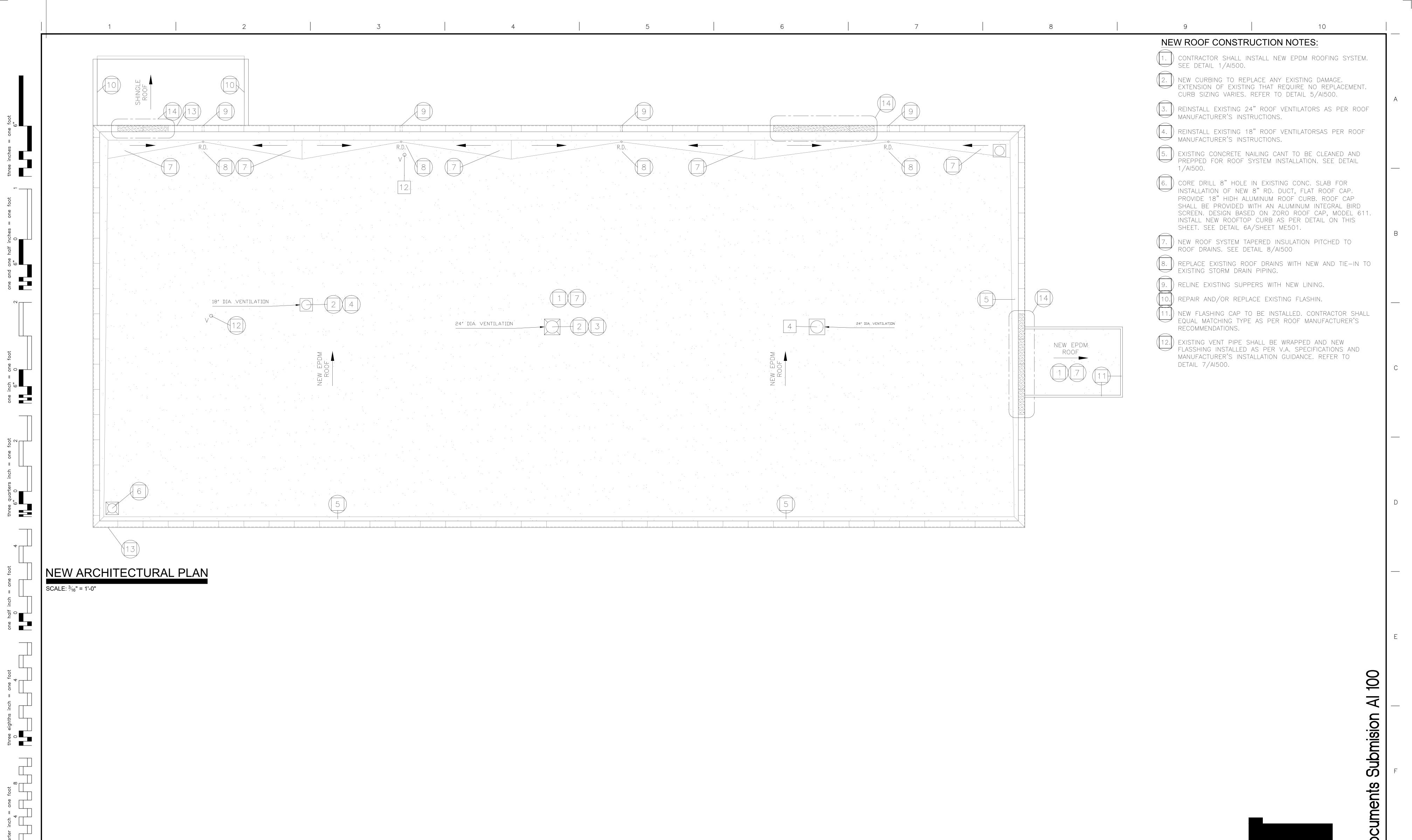
Montrose, New York

Checked Drawn

VA FORM 08-6231, OCT 1978

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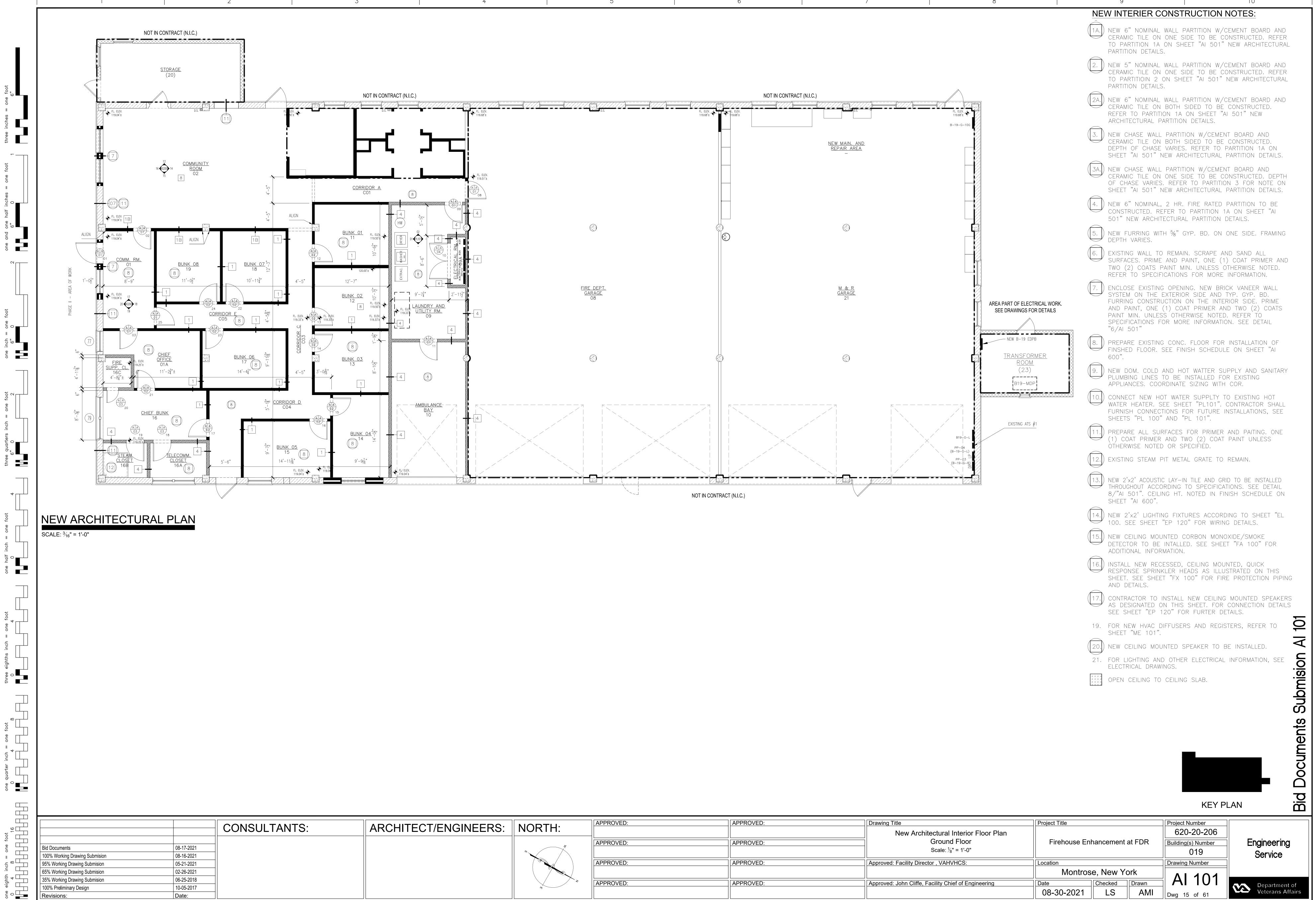


		CONCLUTANTO:	A DOLUTEOT/ENIONIEEDO.	NODTU	APPROVED:	APPROVED:	Drawing Title	Project Title	Project Number	
		CONSULTANTS:	ARCHITECT/ENGINEERS:	NORTH:			New Architectural Roof Plan		620-20-206	
					APPROVED:	APPROVED:	Roof	Firehouse Enhancement at FDR	Building(s) Number	Engineering
Bid Documents	08-17-2021			, v			Scale: As Noted		019	
100% Working Drawing Submission	08-16-2021									Service
95% Working Drawing Submission	05-21-2021				APPROVED:	APPROVED:	Approved: Facility Director , VAHVHCS:	Location	Drawing Number	
65% Working Drawing Submission	02-26-2021							Montrose, New York	A I 4 O O	
35% Working Drawing Submission	06-25-2018			*	APPROVED:	APPROVED:	Approved: John Cliffe, Facility Chief of Engineering	Date Checked Drawn	■ AI 100	
100% Preliminary Design	10-05-2017			77	, and the second	, in the vertical section of t	7, pproved. come, 1 domey officer of Engineering	08-30-2021 LS AMI		Veterans Affairs
Revisions:	Date:							UO-3U-ZUZ I LO AIVII	Dwg 14 of 61	- Veteralis Alialis

one eighth inch = one foot

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KEY PLAN



Project Number

620-20-206

Building(s) Number

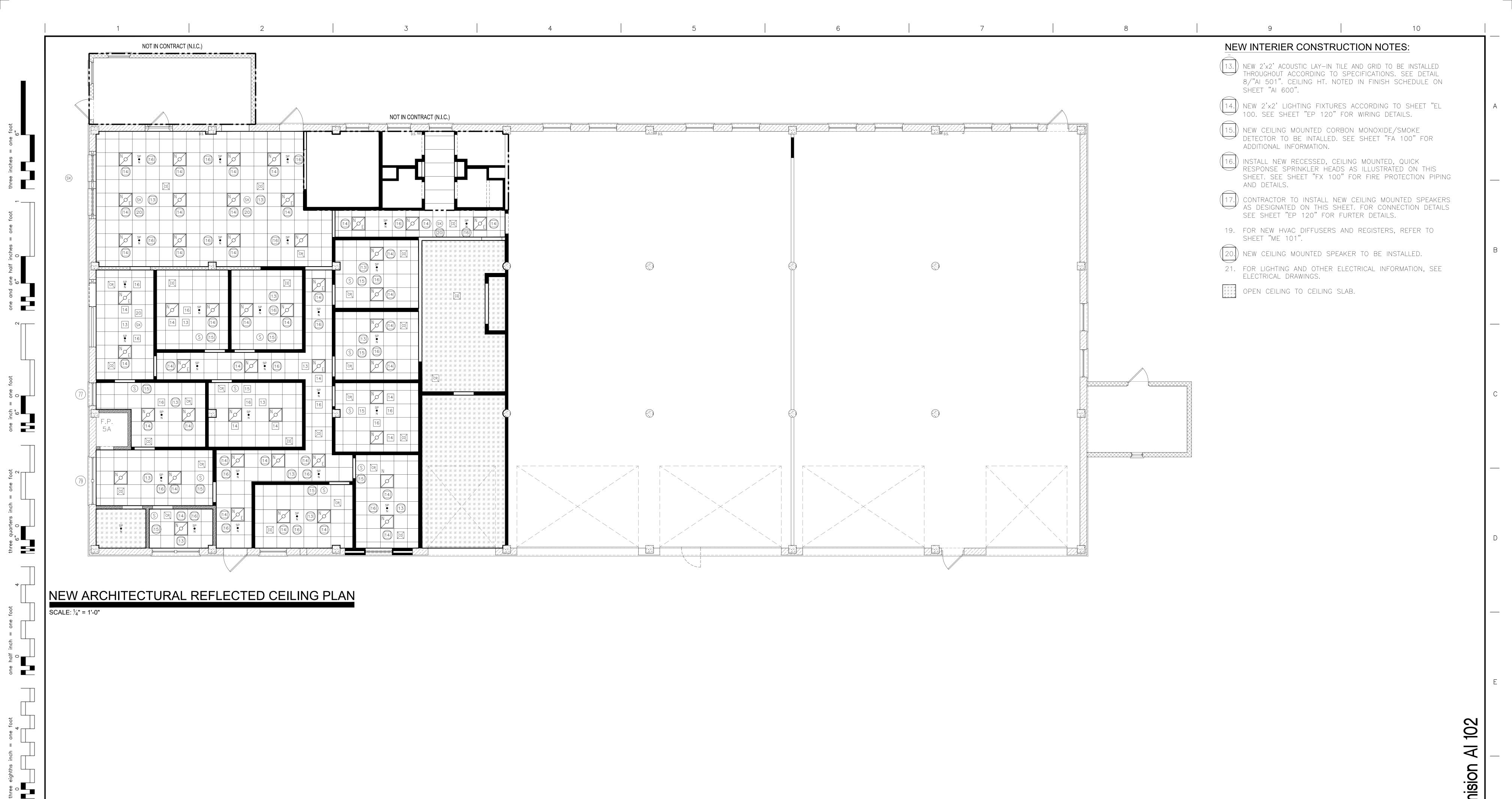
Drawing Number

Engineering

Service

Department of Veterans Affairs

		CONCLUTANTO.	ADCHITECT/ENCINEEDS.	NODTH.	APPROVED:	APPROVED:	Drawing Title	Project Title		
		CONSULTANTS:	ARCHITECT/ENGINEERS:	NORTH:			New Architectural Interior Floor Plan			
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95% Working Drawing Submision	05-21-2021				APPROVED:	APPROVED:	Approved: Facility Director , VAHVHCS:	Location		
65% Working Drawing Submision	02-26-2021							Montros	se, New Y	York
35% Working Drawing Submision	06-25-2018			*	APPROVED:	APPROVED:	Approved: John Cliffe, Facility Chief of Engineering		Checked	
100% Preliminary Design	10-05-2017				ATTROVED.	74TROVED.	7 Approved. Berni Chile, I donity Chief of Engineering	11		
Revisions:	Date:							08-30-2021	LS	∥ AM



KEY PLAN

				NODTU	APPROVED:	APPROVED:	Drawing Title	Project Title	Project Number	
		CONSULTANTS:	ARCHITECT/ENGINEERS:	NORTH:			New Architectural Reflected Ceiling Plan		620-20-206	
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95% Working Drawing Submision	05-21-2021				APPROVED:	APPROVED:	Approved: Facility Director , VAHVHCS:	Location	Drawing Number]
65% Working Drawing Submision	02-26-2021							Montrose, New York	A L 4 O O	
35% Working Drawing Submision	06-25-2018			*	APPROVED:	APPROVED:	Approved: John Cliffe, Facility Chief of Engineering	Date Checked Drawn	AI 102	Depai
100% Preliminary Design Revisions:	10-05-2017 Date:			η · · · · · · · · · · · · · · · · · · ·				08-30-2021 LS	Dwg 16 of 61	Depar Vetera

one eighth inch = one foot

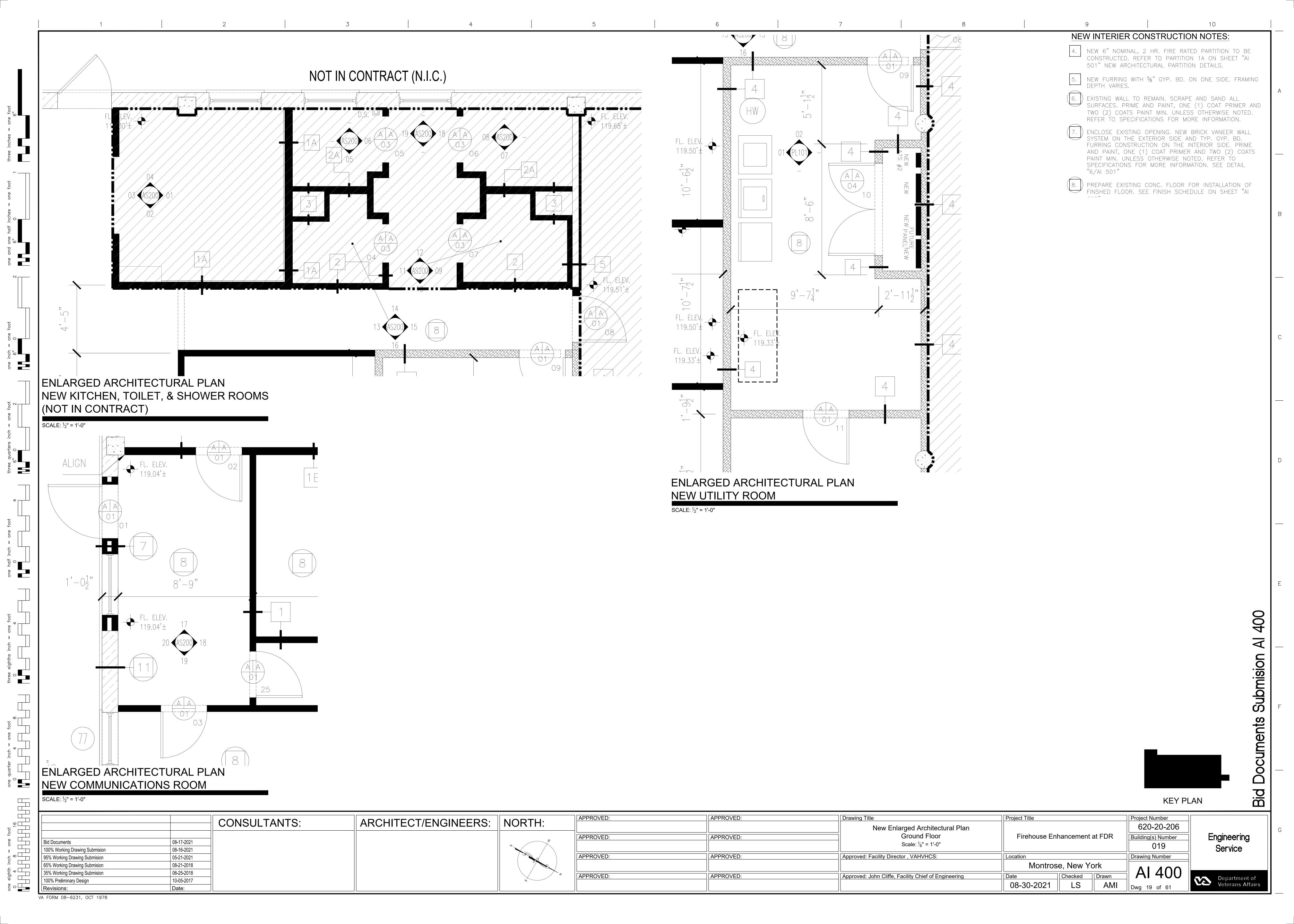
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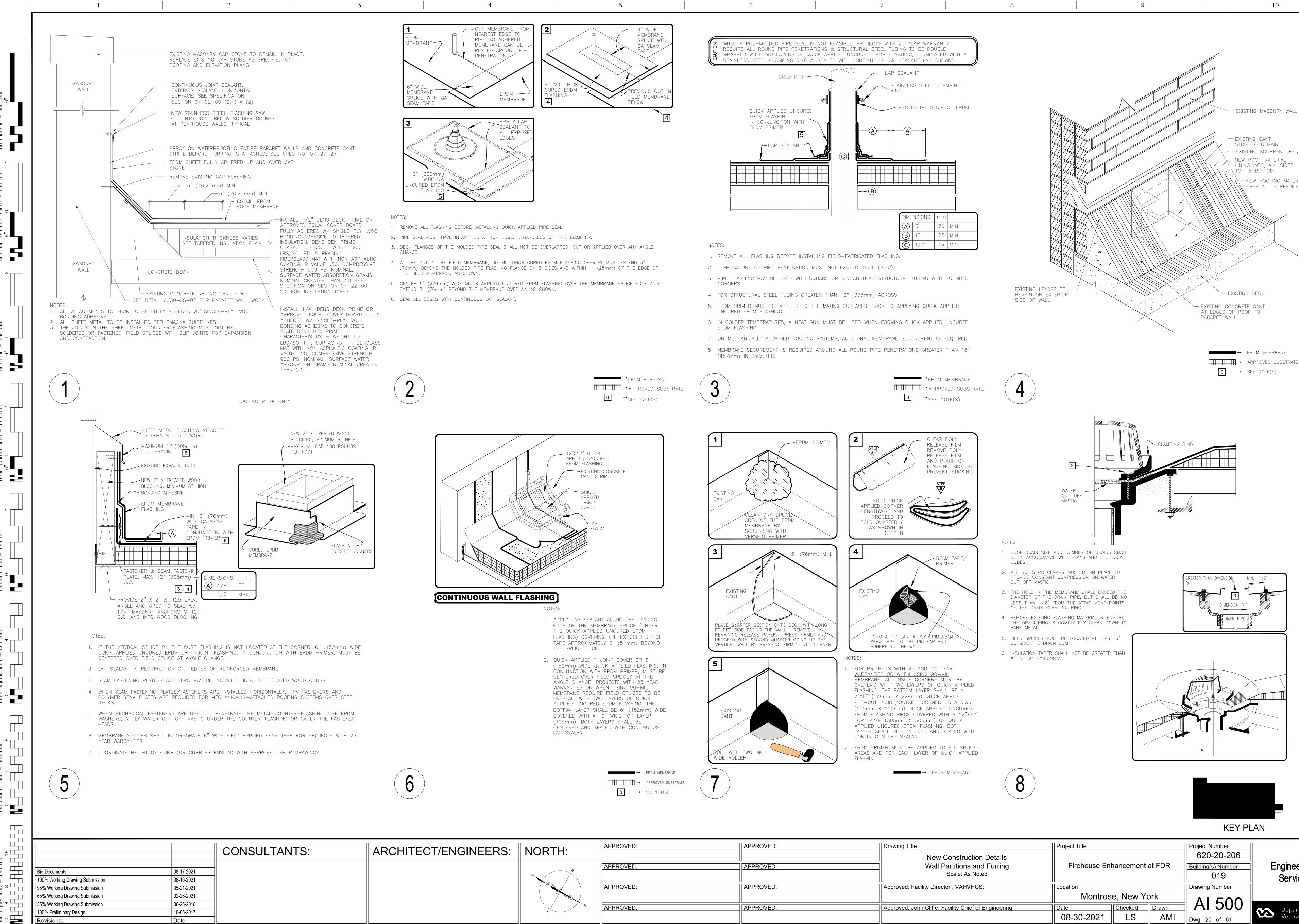


VA FORM 08-6231, OCT 1978



VA FORM 08-6231, OCT 1978





STRIP TO REMAIN

∖TOP & BOTTOM.

- EXISTING SCUPPER OPENING

NEW ROOFING MATERIALS

OVER ALL SURFACES

LINING INTO, ALL SIDES

EPDM MEMBRANE

→ SEE NOTE(S)

APPROVED SUBSTRATE

500

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Submission

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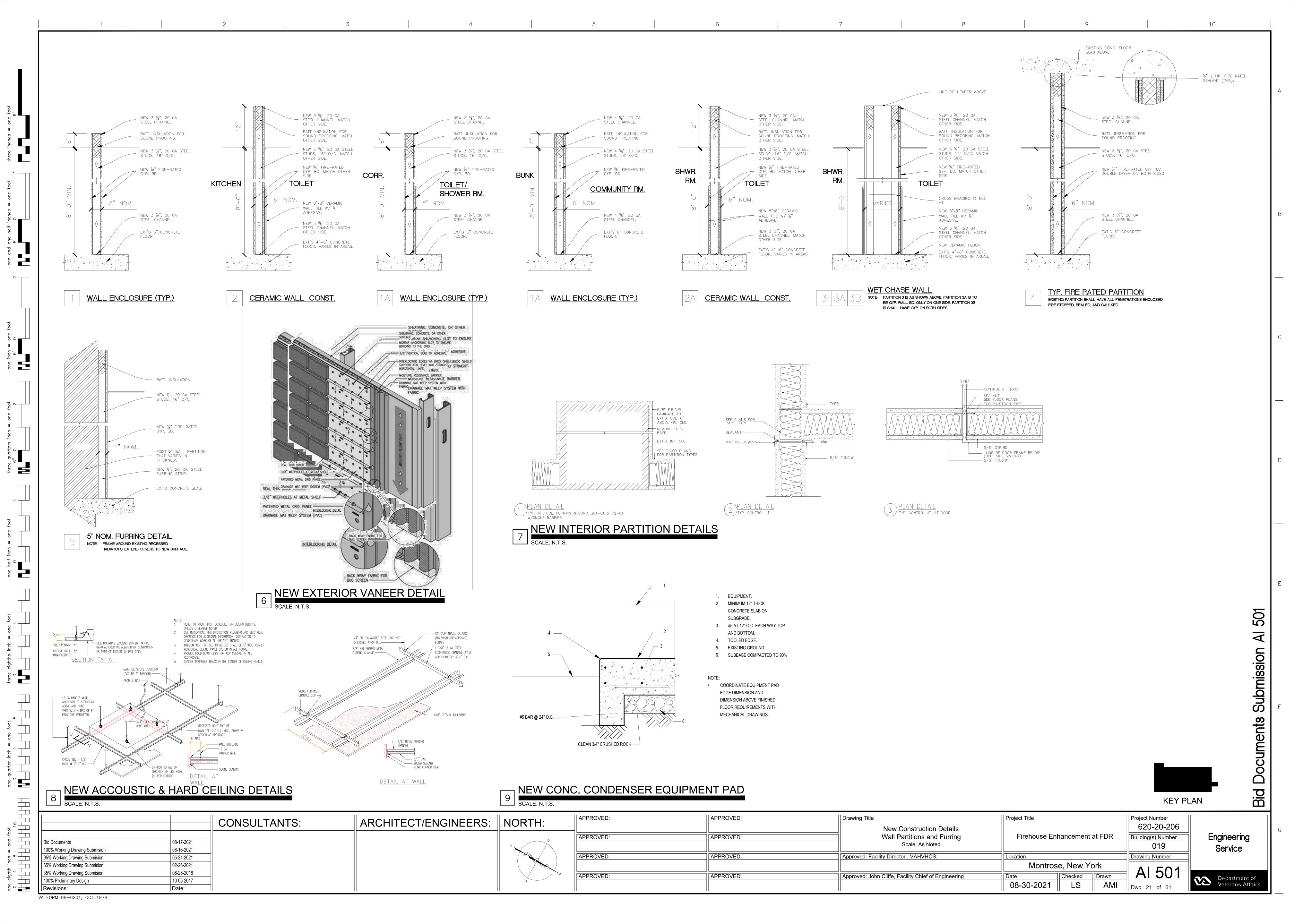
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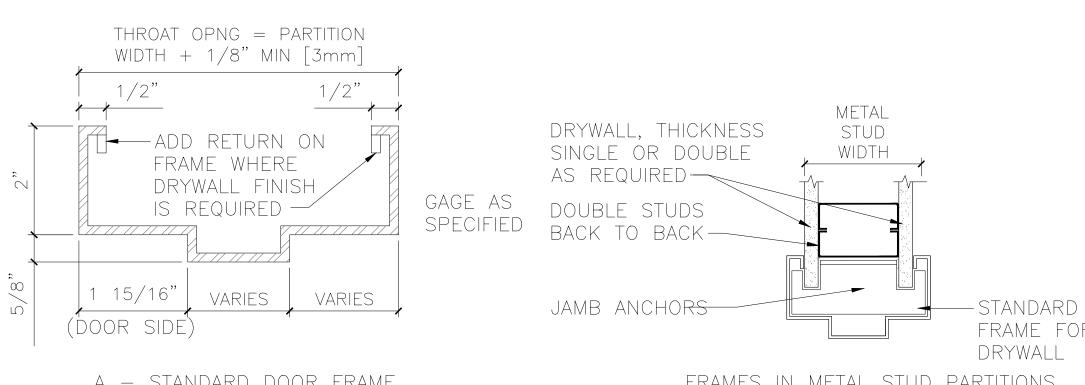
Department of Veterans Affairs



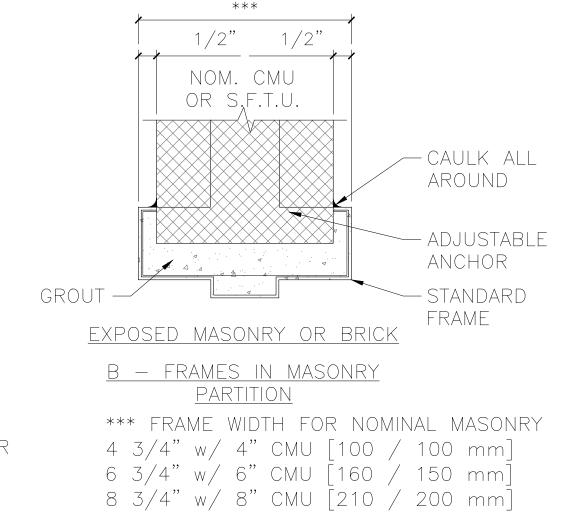
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						DOOR, JAN	MB, AND	HARD	WARE	SCH	EDUL	\mathbb{E}				
			DOOR SP	ECIFICATIO	NS			HEA	DER	JA	AMB	0.141.10	SADDLE	FIRE		
DOOR	WIDTH	HEIGHT	THICKNESS	GLASS	FINISH	MATERIAL	ELEVATION	TYPE	FINISH	TYPE	FINISH	SWING	TYPE	RATING	HARDWARE	NOTES
01	3'-6"	7'-0"	1 3/4"	G10	FACTORY	METAL	01	Α	PAINT	Α	PAINT	_	-	-	07	-
02	3'-0"	7'-0"	1 3/4"	G10	FACTORY	SOLID WOOD	01	Α	PAINT	Α	PAINT	-	-	-	04	-
03	3'-0"	7'-0"	1 3/4"	G10	FACTORY	SOLID WOOD	01	Α	PAINT	Α	PAINT	-	-	-	04A	-
04	2'-6"	7'-0"	1 3/4"	-	FACTORY	SOLID WOOD	03	Α	PAINT	Α	PAINT	-	-	-	-	N.I.C. DONE BY V.A.
05	3'-0"	7'-0"	1 3/4"	-	FACTORY	SOLID WOOD	03	А	PAINT	А	PAINT	-	-	-	-	N.I.C. DONE BY V.A.
06	3'-0"	7'-0"	1 3/4"	-	FACTORY	SOLID WOOD	03	А	PAINT	А	PAINT	-	-	-	-	N.I.C. DONE BY V.A.
07	2'-6"	7'-0"	1 3/4"	-	FACTORY	SOLID WOOD	03	А	PAINT	А	PAINT	-	-	-	-	N.I.C. DONE BY V.A.
08	3'-0"	7'-0"	1 3/4"	G10	FACTORY	METAL	01	В	PAINT	В	PAINT	-	-	-	03	DELAYED EGRESS EXIT, 90 MIN. RTG.
09	3'-0"	7'-0"	1 3/4"	G10	FACTORY	SOLID WOOD	01	В	PAINT	В	PAINT	-	-	-	06	-
10	6'-0"	7'-0"	1 3/4"	-	FACTORY	SOLID WOOD	04	А	PAINT	Α	PAINT	-	-	-	05	-
11	3'-0"	7'-0"	1 3/4"	-	FACTORY	SOLID WOOD	01	Α	PAINT	Α	PAINT	-	-	-	06	-
12	3'-0"	7'-0"	1 3/4"	-	FACTORY	SOLID WOOD	02	Α	PAINT	Α	PAINT	-	-	-	02	-
13	3'-0"	7'-0"	1 3/4"	-	FACTORY	SOLID WOOD	02	Α	PAINT	Α	PAINT	_	-	-	02	-
14	3'-0"	7'-0"	1 3/4"	-	FACTORY	SOLID WOOD	02	Α	PAINT	Α	PAINT	_	-	-	02	-
15	3'-0"	7'-0"	1 3/4"	-	FACTORY	SOLID WOOD	02	Α	PAINT	Α	PAINT	-	-	-	02	-
16	3'-0"	7'-0"	1 3/4"	-	FACTORY	SOLID WOOD	02	Α	PAINT	Α	PAINT	-	-	-	02	-
17	3'-0"	7'-0"	1 3/4"	-	FACTORY	SOLID WOOD	02	Α	PAINT	Α	PAINT	-	-	-	02	-
18	3'-0"	7'-0"	1 3/4"	-	FACTORY	SOLID WOOD	03	А	PAINT	А	PAINT	-	-	-	06	-
19	3'-0"	7'-0"	1 3/4"	-	FACTORY	SOLID WOOD	03	Α	PAINT	Α	PAINT	-	-	-	06	-
20	3'-0"	7'-0"	1 3/4"	-	FACTORY	SOLID WOOD	03	Α	PAINT	Α	PAINT	-	-	-	06	-
21	3'-0"	7'-0"	1 3/4"	-	FACTORY	SOLID WOOD	02	Α	PAINT	Α	PAINT	-	-	-	02	-
22	3'-0"	7'-0"	1 3/4"	-	FACTORY	SOLID WOOD	02	Α	PAINT	Α	PAINT	-	-	-	02	-
23	3'-0"	7'-0"	1 3/4"	-	FACTORY	SOLID WOOD	02	Α	PAINT	Α	PAINT	-	-	-	02	-
24	3'-0"	7'-0"	1 3/4"	-	FACTORY	SOLID WOOD	02	Α	PAINT	Α	PAINT	-	-	-	02	-
25	3'-0"	7'-0"	1 3/4"	-	FACTORY	SOLID WOOD	03	Α	PAINT	Α	PAINT	-	-	-	02	-
OTES: FOR LOCATIONS SEE PARTIAL PLAN ON THIS SHEET. FOR DOOR FRAMING, JAMB, AND HEADER DETAILS ON THIS SHEET. FOR ELEVATIONS SEE THIS SHEET. FOR DOOR SIZE AND HEIGHT COORDINATE WITH "DOOR SIZES" TABLE BELOW. FOR LITE AND LOCKSET SCHEDULE, SEE BELOW. INSTALL CARD READER WITH DOOR CONTACT, AND ELECTRIC STRIKE. TIE TO EXISTING SYSTEM. REFER TO SHEET "EP 100" FOR POWER LOCATIONS. ALL DOOR LOCK SETS TO BE CORBIN RUSSWIN TYPE. ALL DOORS SHALL BE FLUSH - 1 3/4" [44mm] THICK UNLESS NOTED OTHERWISE. TOP & SIDE RAILS SHALL BE 9" [229mm] MIN. BOTTOM RAILS SHALL BE 12" MIN. [305mm].				DOOR MODI FG FROS GLAZI G10)		FRAME (JAMB) ELEVA DOUE EQUA LEAF	SYMBOL TYPE DETAIL)— TION—— BLE LETTEF L SIZE OF FOR PAIR OORS		R BER	CONC. BACKER BO	BD. 1'-4" [406 DOUBLE STUDS DARD. ————————————————————————————————————	MMM] W/GYPSUM S FOR SUPPORTING WHEN STUDS RE FINISHED BOTH E — EMENT.— ON IS LESS . WALLBD. PARTITION. STUD DO CHOR TO STUD GYPSUM	SEC. B 1/2" SEE NOTE 1 1/2" [13mm] CONST. JOINT RUNNER BET. STUDS A VARIES SEE DOOR SCHEDULE MET. DOOR FRAME			
[305mm]. LASS:							***								WALLBD. PANELS CONTROL	SHIM AS REQ'D.

FG G09 1/4", 5" x 24" (120 SQ. IN.), FROSTED TEMPERED GLASS. CG G10 1/4", 5" x 24" (120 SQ. IN.), CLEAR TEMPERED GLASS.

1/4", 32" x 30" (960 SQ. IN.), DOUBLE GLAZED TEMPERED GLASS. CG G11



<u>a – standard door frame</u> FRAMES IN METAL STUD PARTITIONS



ELEVATION AT DOOR FRAME LEVATION AT DOOR FRAME PROVIDE SOUND DEADENING WHERE <u>SECTION</u> B ISOMETRIC OF CONSTR. JT. FRAME SANITARY STOP — ANCHOR CLIP DOUBLE STUDS— JAMB ANCHORS (FURNISHED WITH FRAME) <u>DETAIL D</u> <u>SECTION A</u> <u>DETAIL</u> C

HARDWARE SETS: * HW SET 1 HINGES QUANTITY & TYPE AS REQUIRED 1 KEYED LOCK (CORBIN RUSSWIN ML 2059-LWN-626-(RH/LH TO SUITE LOCATION) - M19V-OCCUPANCY INDICATOR + CLS6 SMALL IC 6P LESS CORE) CLOSER C02011/C02021 (SARGENT 1431 SERIES) KICK PLATE MOP PLATE (@ INSWING DOORS) J103 FLOOR STOP L02121 x 3 FASTENERS SET SELF-ADHESIVE SEALS ROY154 *HW SET 2 HINGES QUANTITY & TYPE AS REQUIRED 1 PRIVATE LOCK (CORBIN RUSSWIN ML 2020-LWN-626-(RH/LH TO SUITE LOCATION) - M19V-OCCUPANCY INDICATOR + CLS6 SMALL IC 6P LESS CORE) SS KICK PLATE J102 SS MOP PLATE (@ INSWING DOORS) J103 FLOOR STOP L02121 x 3 FASTENERS SILENCERS AUTO BOTTOM SEAL ROY346 - HEAVY DUTY * HW SET 3 HINGES QUANTITY & TYPE AS REQUIRED 1 ENTRANCE LOCK (CORBIN RUSSWIN ML 2051-LWN-626-(RH/LH TO SUITE LOCATION) - M19V-OCCUPANCY INDICATOR + CLS6 SMALL IC 6P LESS CORE) C02011/C02021 (SARGENT 1431 SERIES) CLOSER SS KICK PLATE J102 SS MOP PLATE (@ INSWING DOORS) J103 ASSA ABLOY OH100 SERIES OVERHEAD STOP 3 SILENCERS *HW SET 4 HINGES QUANTITY & TYPE AS REQUIRED 1 OFFICE LOCK (CORBIN RUSSWIN ML 2053-LWN-626-(RH/LH TO SUITE LOCATION) - M19V-OCCUPANCY INDICATOR + CLS6 SMALL IC 6P LESS CORE) FLOOR STOP L02121 x 3 FASTENERS SS MOP PLATE (@ INSWING DOORS) J103

COAT HOOK THRESHOLD J32300 x 57 MM WIDTH (2-1/4 INCHES) SETS SELF-ADHESIVE SEALS ROY154

*HW SET 4A HINGES QUANTITY & TYPE AS REQUIRED 1 OFFICE LOCK (CORBIN RUSSWIN ML 2053-LWN-626-(RH/LH TO SUITE LOCATION) - M19V-OCCUPANCY INDICATOR + CLS6 SMALL IC 6P LESS CORE) ASSA ABLOY OH100 SERIES

OVERHEAD STOP SS KICK PLATE SS MOP PLATE (@ INSWING DOORS) J103 COAT HOOK SETS SELF-ADHESIVE SEALS ROY154

*HW SET 4B QUANTITY & TYPE AS REQUIRED HINGES 1 OFFICE LOCK

(CORBIN RUSSWIN ML 2053-LWN-626-(RH/LH TO SUITE LOCATION) - M19V-OCCUPANCY INDICATOR + CLS6 SMALL IC 6P LESS CORE) FLOOR STOP L02121 x 3 FASTENERS

SS KICK PLATE SS MOP PLATE (@ INSWING DOORS) J103 COAT HOOK SETS SELF-ADHESIVE SEALS ROY154

*HW SET 5 HINGES QUANTITY & TYPE AS REQUIRED 1 STOREROOM (CORBIN RUSSWIN ML 2059-LWN-626-(RH/LH TO SUITE LOCATION) - M19V-OCCUPANCY INDICATOR + CLS6 SMALL IC 6P LESS CORE)

SS KICK PLATE TYPE 25 LESS BOTTOM BOLT SET AUTO FLUSH BOLTS SS OVERLAPPING ASTAGRAL R3A734 x THRU-BOLTS OVERHEAD STOPS C01541 ADJUSTABLEHW-5

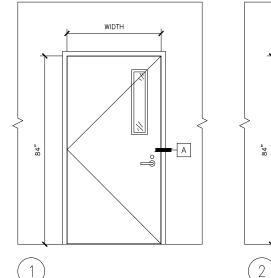
*HW SET 6 QUANTITY & TYPE AS REQUIRED HINGES KEYED LOCK (CORBIN RUSSWIN ML 2059-LWN-626-(RH/LH TO SUITE LOCATION) - M19V-

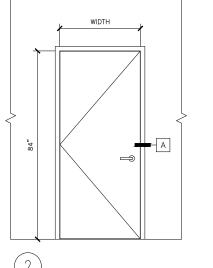
OCCUPANCY INDICATOR + CLS6 SMALL IC 6P LESS CORE) CLOSER C02011/C02021 (SARGENT 1431 SERIES) SS KICK PLATE J102 L02121 x 3 FASTENERS FLOOR STOP THRESHOLD J32300 x 57 MM WIDTH (2-1/4 INCHES)

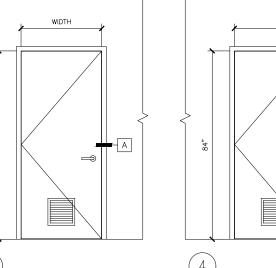
AUTO DOOR BOTTOM ROY346 - HEAVY DUTY SETS SELF-ADHESIVE SEALS *HW SET 7 QUANTITY & TYPE AS REQUIRED HINGES

1 KEYED LOCK (CORBIN RUSSWIN ML 2059-LWN-626-(RH/LH TO SUITE LOCATION) - M19V-OCCUPANCY INDICATOR + CLS6 SMALL IC 6P LESS CORE) CLOSER C02011/C02021 (SARGENT 1431 SERIES) SS KICK PLATE

MOP PLATE (@ INSWING DOORS) J103 SETS SELF-ADHESIVE SEALS STONE THRESHOLD BY OTHER TRADES.







+	WIDTH
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Submission

Engineering

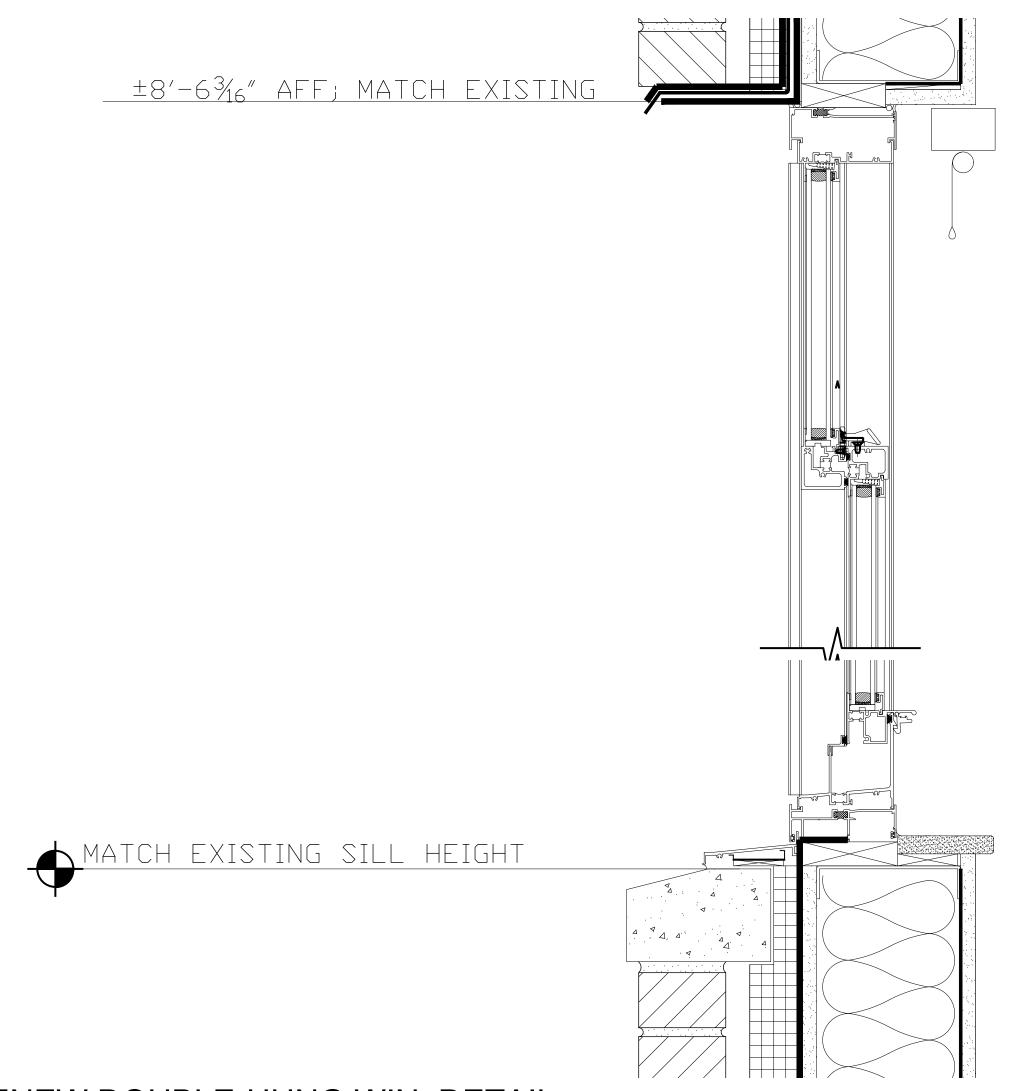
Service

Department of Veterans Affairs

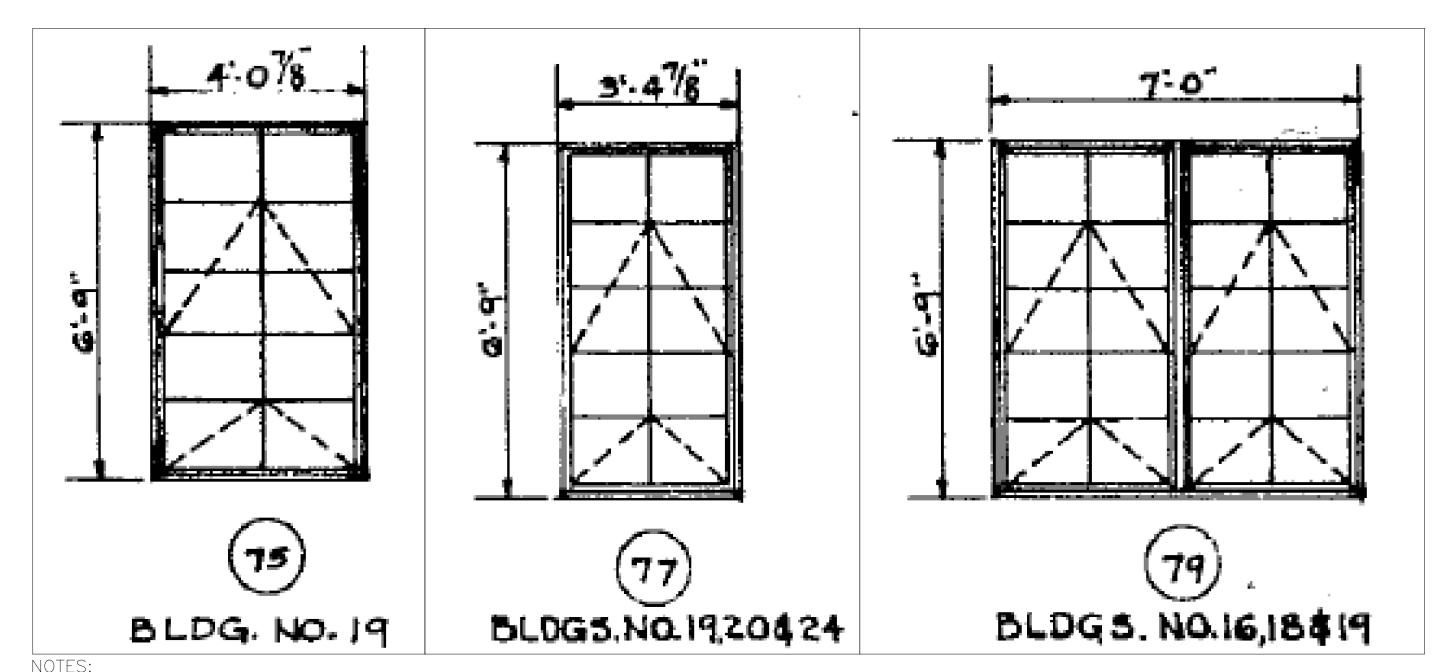
 [CONCLUTANTO.		NODTIL	APPROVED:	APPROVED:	Drawing Title	Project Title	Project Number
		CONSULTANTS:	ARCHITECT/ENGINEERS:	NORTH:			New Door Framing, Schedule & Details		620-20-206
					APPROVED:	APPROVED:		Firehouse Enhancement at FDR	Building(s) Number
Bid Documents	08-17-2021			ll s			Scale: N.T.S.		019
100% Working Drawing Submission	08-16-2021	1							
95% Working Drawing Submission	05-21-2021	7			APPROVED:	APPROVED:	Approved: Facility Director , VAHVHCS:	Location	Drawing Number
65% Working Drawing Submission	08-21-2018	7						Montrose, New York	A 1 E 0 0
35% Working Drawing Submission	06-25-2018	1			APPROVED:	APPROVED:	Approved: John Cliffe, Facility Chief of Engineering	Date Checked Drawn	─ AI 502
100% Preliminary Design	10-05-2017	1		m	APPROVED.	AFFINOVED.	Approved. John Chile, I admity Chilet of Engineering		
Revisions:	Date:			1				08-30-2021 LS AMI	Dwa 22 of 61

WINDOW	SCHEDULE
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					OW SCH	EDULE		
			DOOR S	PECIFICATIO	NS			
WINDOW	WIDTH (M.O.)	HEIGHT (M.O.)	HEIGHT (WD. DIM.)	GLASS FINISH MATERIAL		ELEVATION	NOTES	
01	3'-6"	7'-0"	7'-0"	-	FACTORY	METAL	-	NOT IN CONTRACT
75	4'-0 ⁷ / ₈ "	6'-10 ½"	6'-9"	-	FACTORY	METAL	-	NOT IN CONTRACT
75A	4'-0 ⁷ / ₈ "	4'-10 ½"	4'-9"	-	FACTORY	METAL	-	NOT IN CONTRACT
77	3'-4 ⁷ / ₈ "	6'-10 ½"	6'-9"	-	FACTORY	METAL	-	NOT IN CONTRACT
79	7'-0"	6'-10 ½"	6'-9"	-	FACTORY	METAL	-	NOT IN CONTRACT
N	3'-0"	MATCH EXT'G	V.I.F.	FACTORY	FACTORY	METAL FRAME	-	TOTAL OF 4 NEW UNITS.



ENEW DOUBLE-HUNG WIN. DETAIL.



1. EXISTING WINDOWS ARE DOUBLE—HUNG AND NEW SHALL MATCH. THE ELEVATIONS ABOVE SHOW THE ROUGH OPENING DIMENSIONS.
2. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS FOR NEW WINDOWS.

EXISTING WINDOWS DIMENSIONS

SCALE: ³/₁₆" = 1'-0"

			NODTU	APPROVED:	APPROVED:	Drawing Title	Project Title	Project Number	
CO	NSULTANTS:	ARCHITECT/ENGINEERS:	NORTH:					620-20-206	
				APPROVED:	APPROVED:	-		Building(s) Number	Engineer
			8			Scale: N.T.S.		11	Service
				APPROVED:	APPROVED:	Approved: Facility Director , VAHVHCS:	Location		
08-21-2018									
06-25-2018			*	APPROVED:		Approved: John Cliffe, Facility Chief of Engineering	J L	= AI 503	
10-05-2017			m m	ALLINOVED.	ALLINOVED.	Approved. John Chile, I achity Chief of Engineering			Departm
	08-17-2021 08-16-2021 05-21-2021 08-21-2018 06-25-2018	08-17-2021 08-16-2021 05-21-2021 08-21-2018 06-25-2018	08-17-2021 08-16-2021 05-21-2021 08-21-2018 06-25-2018	08-17-2021 08-16-2021 05-21-2021 08-21-2018 06-25-2018	08-17-2021 08-16-2021 05-21-2021 08-21-2018 06-25-2018 APPROVED: APPROVED: APPROVED: APPROVED:	APPROVED: APPR	New Schedule, Door Framing, Elevations & Details	APPROVED: APPR	APPROVED: APPR

	FINISH
	GROUN
	ROOM 01*
	01A*
	02*
	03*
	04*
	05*
	06*
	07*
	08*
	09*
	09A ²
	10*
	11*
	12*
	14*
	15*
	16*
	16A*
	16B*
	16C [*]
	17*
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	20*
	21* C01 ²
	C01 ²
	C03 ³
	C04 ²
	C05 ³
' 	Bid Document

ROUND F	ROOM NAME	SIGNAGE	FLOOR	ROOM	FLOOR		COVE BASE		WALL	TYPE		WALL AREA	CEILING	CLG. HT.	CEILING	REMARKS
01*	COMMINICATIONS	_	AREA 164	1,312	TYPE F2	L.F. 53	TYPE VINYL	NORTH GYP.	EAST GYP.	SOUTH BR./B.V.	WEST C.B.	SQ FT 424	TYPE CG	8'-0"	AREA 164	NEW SIGNAGE & DATA,
01A*	ROOM CHIEF OFFICE		SQ. FT.	CU. FT.	F2	55	VINYL	GYP.	GYP.	C.B./BR.	GYP.	440	CG	8'-0"	SQ. FT.	COORDINATED WITH PROJECT C.C NEW SIGNAGE & DATA,
		_	SQ. FT.	CU. FT.						,					SQ. FT.	COORDINATED WITH PROJECT C.C
02*	COMMUNITY ROOM	_	720 SQ. FT.	6,480 CU. FT.	F1	115	VINYL	GYP.	C.B./GYP.	BR./B.V.	BR.	1,035	CG	9'-0"	720 SQ. FT.	NEW SIGNAGE & DATA, COORDINATED WITH PROJECT C.C
03*	STAFF KITCHEN	_	140 SQ. FT.	1,089 CU. FT.	F1	45	VINYE	GYP.	GYP./C.B.	BR./B.V.	BR.	405	CG	9'-0"	121 SQ. FT.	NOT IN CONTRACT (N.I.C.) TO BE DONE BY V.A.
04*	W. SHOWER ROOM	_	33 SQ. FT.	224 CU. FT.	_	19	VINYL	GYP./C.T.	GYP./C.T.	GYP./C.T.	GYP./C.T.	95	CG	8'-0"	18 SQ. FT.	NOT IN CONTRACT (N.I.C.) TO BE DONE BY V.A.
05*	W. TOILET	_	39 SQ. FT.	224 CU. FT.	_	22	VINYL	GYP./C.T.	GYP./C.T.	GYP./C.T.	GYP./C.T.	110	CG	8'-0"	28 SQ. FT.	NOT IN CONTRACT (N.I.C.) TO BE DONE BY V.A.
06*	M. TOILET	_	46 SQ. FT.	280 CU. FT.	_	25	VINYL	GYP./C.T.	GYP./C.T.	GYP./C.T.	GYP./C.T.	125	CG	8'-0"	35 SQ. FT.	NOT IN CONTRACT (N.I.C.) TO BE DONE BY V.A.
07*	M. SHOWER ROOM	_	39 SQ. FT.	256 CU. FT.	_	21	VINYL	GYP./C.T.	GYP./C.T.	GYP./C.T.	GYP./C.T.	105	CG	8'-0"	23 SQ. FT.	NOT IN CONTRACT (N.I.C.) TO BE DONE BY V.A.
08*	FIRE DEPT. GARAGE	_	2,702 SQ. FT.	35,126 CU. FT.	CONC.	213	VINYL	C.B.	BR.	GYP./C.B.	BR.	2,769	_	13'-0" APPROX.	_	NOT IN CONTRACT (N.I.C.) TO BE DONE BY V.A.
09*	LAUNDRY/EQIUIP ROOM	_	268 SQ. FT.	3,484 CU. FT.	E	78	VINYL	GYP.	GYP.	GYP.	C.B.	1,014	_	13'-0" APPROX.	_	NEW SIGNAGE & DATA, COORDINATED WITH PROJECT C.
09A*	ELEC. PANEL CLOSET	_	25 SQ. FT.	250 CU. FT.	E	23	VINYL	GYP.	GYP.	GYP.	GYP.	230	_	10'-0"	_	NEW SIGNAGE & DATA, COORDINATED WITH PROJECT C.
10*	AMBULANCE BAY	_	307	3,991	_	74	VINYL	GYP.	BR.	GYP.	GYP.	962	_	13'-0"	_	NEW SIGNAGE & DATA,
11*	BUNK 01	_	SQ. FT.	CU. FT.	F2	47	VINYL	C.B.	GYP.	GYP.	GYP.	376	CG	APPROX. 8'-0"	135	COORDINATED WITH PROJECT C. NEW SIGNAGE & DATA,
12*	BUNK 02	_	SQ. FT.	CU. FT. 1,088	F2	47	VINYL	C.B.	GYP.	GYP.	GYP.	376	CG	8'-0"	SQ. FT.	COORDINATED WITH PROJECT C. NEW SIGNAGE & DATA,
13*	BUNK 03	_	SQ. FT.	CU. FT. 1'088	F2	47	VINYL	C.B.	GYP.	GYP.	GYP.	376	CG	8'-0"	SQ. FT.	COORDINATED WITH PROJECT C. NEW SIGNAGE & DATA,
14*	BUNK 04	_	SQ. FT.	CU. FT. 1,184	F2	50	VINYL	C.B.	BR./B.V.	GYP.	GYP.	400	CG	8'-0"	SQ. FT.	COORDINATED WITH PROJECT C. NEW SIGNAGE & DATA,
15*	BUNK 05	_	SQ. FT.	CU. FT.	F2	52	VINYL	GYP.	BR./B.V.	GYP.	GYP.	416	CG	8'-0"	SQ. FT.	COORDINATED WITH PROJECT C. NEW SIGNAGE & DATA,
16*	CHIEF BUNK	_	SQ. FT.	CU. FT. 1,304	F2	55	VINYL	GYP.	GYP.	BR.	C.B./GYP.	440	CG	8'-0"	SQ. FT.	COORDINATED WITH PROJECT C. NEW SIGNAGE & DATA,
16A*	TELECOMMINUCATION	_	SQ. FT.	CÚ. FT. 910	F2	34	VINYL	C.B.	BR.	C.B.	C.B.	340	GYP.	10'-0"	SQ. FT.	COORDINATED WITH PROJECT C. NEW SIGNAGE & DATA,
	CLOSET STEAM PIT CLOSET		SQ. FT.	CU. FT.			VINYL	C.B.	BR.	BR.		270	011.	APPROX. 10'-0"	SQ. FT.	COORDINATED WITH PROJECT C. NEW SIGNAGE & DATA,
		_	SQ. FT.	CU. FT.	_						C.B.		_	APPROX.		COORDINATED WITH PROJECT C.
16C*	FIRE SPRINKLER CLOSET	_	33 SQ. FT.	429 CU. FT.	_	20	VINYL	C.B.	C.B.	BR.	C.B.	200	_	10'-0" APPROX.	_	NEW SIGNAGE & DATA, COORDINATED WITH PROJECT C.
17*	BUNK 06	_	143 SQ. FT.	1,144 CU. FT.	F2	50	VINYL	C.B.	C.B.	BR.	C.B.	400	CG	8'-0"	143 SQ. FT.	NEW SIGNAGE & DATA, COORDINATED WITH PROJECT C.
18*	BUNK 07	_	134 SQ. FT.	1,072 CU. FT.	F2	45	VINYL	GYP.	GYP.	GYP.	GYP.	360	CG	8'-0"	134 SQ. FT.	NEW SIGNAGE & DATA, COORDINATED WITH PROJECT C.
19	BUNK 08	_	135 SQ. FT.	1,080 CU. FT.	F2	45	VINYL	GYP.	GYP.	GYP.	C.B./GYP.	360	CG	8'-0"	135 SQ. FT.	NEW SIGNAGE & DATA, COORDINATED WITH PROJECT C.
20*	NEW STORAGE / FIRE ALARM	_	259 SQ. FT.	2,300 CU. FT.	_	71	VINYL	BR.	BR.	BR.	BR.	923	_	13'-0" APPROX.	259 SQ. FT.	NOT IN CONTRACT (N.I.C.) TO BE DONE BY V.A.
21*	NEW M & R GARAGE	_	2,785 SQ. FT.	33,982	_	215	VINYL	BR.	BR.	GYP.	BR.	2,756	_	13'-0" APPROX.	2,795 SQ. FT.	NOT IN CONTRACT (N.I.C.) TO BE DONE BY V.A.
 C01*	CORRIDOR A	_	114 SQ. FT.	912 CU. FT.	F1	60	VINYL	GYP.	GYP.	GYP.	C.B./GYP.	480	CG	8'-0"	114 SQ. FT.	NEW SIGNAGE & DATA, COORDINATED WITH PROJECT C.
 C02*	CORRIDOR B	_	67	536	F1	38	VINYL	GYP.	_	GYP.	BR.	304	CG	8'-0"	67	NEW SIGNAGE & DATA,
203*	CORRIDOR C	_	SQ. FT.	CU. FT. 944	F1	62	VINYL	GYP.	_	GYP.	GYP.	496	CG	8'-0"	SQ. FT.	COORDINATED WITH PROJECT C. NEW SIGNAGE & DATA,
 CO4*	CORRIDOR D	_	SQ. FT.	CU. FT.	F1	70	VINYL	GYP.	GYP.	C.B./GYP.	GYP.	560	CG	8'-0"	SQ. FT.	COORDINATED WITH PROJECT C. NEW SIGNAGE & DATA,
C05*	CORRIDOR E	_	SQ. FT.	CU. FT. 784	F1	53	VINYL	_	GYP.	GYP.	GYP.	424	CG	8'-0"		COORDINATED WITH PROJECT C. NEW SIGNAGE & DATA,
	TOTALS		SQ. FT. 9,684	CU. FT. 96,074		1,831						17,971			SQ. FT. 6,226	COORDINATED WITH PROJECT C. GROSS SQUARE & CUBIC FOOT.
	CONTRACTUAL		SQ. FT. 3,641	CU. FT.		1,200						10,683			SQ. FT. 2,948	
	TOTALS		SQ. FT.	I '		L.F.						SQ. FT.			2,940 SQ. FT.	

FINISHINGS LEGEND

FLOORS

E	EXISTING CONDITION, SCARIFIED
F1	MANNINGTON AMTICO, LIME WASHED WOOD: 6"x 36", AROW7660, (LVT)
F2	MANNINGTON VIA SENTIERO: 18"×18" 12342, (LVT)
_	
_	_

WALLS

W 1	PAINT: SHERWIN-WILLIAMS, 7541 GRECIAN IVORY - TBD
W2	PAINT, SHERWIN-WILLIAMS, 7526 MAISON BLANCHE - TBD
W3	PAINT, SHERWIN-WILLIAMS, 7059 UNUSUAL GRAY — TBD
GYP.	GYPSUM BOARD
PL.	PLASTER
BR.	BRICK
C.B.	CONCRETE BLOCK
C.T.	CERAMIC TILE
B.V.	BRICK VANEER W/ INTERIOR FRAME, GYPSUM BD., PRIMER/PAINT FINISH

BASES

DAOLS	
E	MATCH EXISTING
CB1	JOHNSONITE — 80 FAWN, 6"

CEILINGS

J	EXISTING EXPOSED JOIST FRAMING.
PL	EXISTING PLASTER CEILING. NEW PRIME AND PAINT.
CG	2'x2' GRID, ARMSTRONG ACCOUSTIC TILE W/ GRID
_	

1. CERAMIC TILE TYPE AND SIZE MAY CHANGE PENDING AVAILABILIY.

- 2. SOME ROOM FUNCTION AND SQUARE FOOTAGE WILL NEED TO BE CHANGE TO
- 3. DENOTE "*" EXISTING SPACE FILE TO BE EDITED TO MATCH PROPOSED ALTERATIONS.
- 4. DENOTE "**" NEW SPACE TO BE ADDED TO THE DATA FILE.
- 5. SEE INTERIOR ELEVATIONS ON SHEET "AI 200" FOR ADDUTUIBAK INFORMATION.
- 6. ABBREVIATION "FV" MEANS TO FIELD VERIFY. MATCH EXISTING.

DEMOLITION NOTES:

- 1. DISCONNECT AND CAP EXISTING SANITARY AND PLUMBING CONNECTIONS FROM PLUMBING FIXTURES.
- 2. REMOVE EXISTING BASE, WALL CABINETRY AND COUNTERTOPS.
- 3. EXISTING FLOORING TO BE DEMOLISHED. 4. EXISTING DOOR AND FRAMES TO BE REMOVED.
- 5. ANY AND ALL ELECTRICAL FIXTURES AND ASSOCIATED WIRING DICONNECTED AND
- REMOVED PRIOR TO WALL DEMOLITION. 6. REMOVE EXISTING WALL PARTITION AS SHOWN IN DRAWINGS.

NEW CONSTRUCTION NOTES:

- 1. CONSTRUCT NEW WAL PARTITION, TYP. 4" STUD FRAMING, 5%" SINGLE LAYER GYP. BD. ON BOTH SIDES WITH NEW 32" x 80" DOOR FRAME.
- 2. INSTALL NEW BASE AND WALL CABINETRY AS SHOWN ON PLAN AND ELEVATION DRAWINGS.
- 3. INSTALL NEW SINK IN COUNTERTOP.
- 4. INSTALL NEW BASE CABINET WITH LAVATORY AND COUNTERTOP. 2. SCRAPE, PATCH, AND PAINT ALL WALL AND CEILING SURFACES.
- 3. SCRAPE, PATCH, AND PAINT EXTERIOR SURFACES AS SHOWN ON DRAWINGS.

									KEY P	PLAN B
		CONCLUTANTO.	ADCHITECT/ENGINEEDO.	NODTH.	APPROVED:	APPROVED:	Drawing Title	Project Title	Project Number	
		CONSULTANTS:	ARCHITECT/ENGINEERS:	NORTH.			New Interior Finish Schedule		620-20-206	
DI D	00.47.0004				APPROVED:	APPROVED:		Firehouse Enhancement at FDR	Building(s) Number	Engineering
Bid Documents 100% Working Drawing Submission	08-17-2021 08-16-2021	_					Scale: N.T.S.		019	Service
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65% Working Drawing Submission	02-26-2021							Montrose, New York	A I . O O O	
35% Working Drawing Submission	06-25-2018			*	APPROVED:	APPROVED:	Approved: John Cliffe, Facility Chief of Engineering	Date Checked Drawn	AI 600	Donartment of
100% Preliminary Design	10-05-2017			7			i presentation de la company d		Dwg 24 of 61	Department of Veterans Affairs
Revisions:	Date:								Dwg 24 of 61	

H.V.A.C. GENERAL NOTES GENERAL NOTES **GENERAL MECH** FEET PER MINUTE PSI POUNDS PER GENERAL MECH. SYMBOLS EXHAUST/RETURN DUCT FEET SQUARE INCH **ABBREVIATIONS:** FLAME SAFEGUARD POUNDS PER SUPPLY DIFFUSER PSIG M.P. STEAM HEAT PIPING (LABELED) CONTROL SWITCH SQUARE INCH GUAGE 1. PROCURE AND PAY ALL NECESSARY PERMITS AND LICENSES REQUIRED TO CARRY OUT THE WORK . ALL WORK SHALL CONFORM TO THE LATEST EDITIONS OF THE NEW YORK STATE ENERGY SHOWN. OBTAIN AND PAY FOR ALL FEES. CODE, INTERNATIONAL MECHANICAL CODE, ASHRAE GUIDELINES, SMACNA, WESTCHESTER FUSED SAFETY POWER TYPE ROOF RETURN GRILLE/REGISTER PTRV COUNTY GUIDELINES, NEC, NATIONAL STANDARD PLUMBING CODE, AND ALL OTHER ACCESS DOOR H.P. STEAM SUPPLY PIPING (LABELED) VENTILATION 2. COMPLY WITH ALL FEDERAL, STATE AND MUNICIPAL LAWS AND CODES, ORDINANCES, RULES AND APPLICABLE CODES, ORDINANCES, ETC. FOR NEW YORK STATE AND THE LOCAL AUTHORITY ACOUSTIC DUCT 3-WAY DIFFUSER REGULATIONS OF HEALTH, PUBLIC OR OTHER AUTHORITIES CONTROLLING OR LIMITING THE METHODS, GALLON POWER PWR LINING M.P. STEAM SUPPLY PIPING (LABELED) MATERIALS TO BE USED OR ACTIONS OF THOSE EMPLOYED. GEN **GENERATOR** 2. CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE AND FAMILIARIZING HIMSELF AIR PRESSURE DROP RA R/A 3" THICK TWO-HOUR FIRE-RATED GROUND FAULT RETURN AIR WITH THE EXISTING CONDITIONS AND SCOPE OF THE WORK PRIOR TO SUBMITTING BIDS GUARANTEE H.V.A.C. SYSTEMS FOR A PERIOD OF ONE YEAR FROM OWNER'S ACCEPTANCE TO BE FREE AUTOMATIC VACUUM OR GRAVITY RETURN PIPING RADO INSULATED DUCTWORK (SHOWN IN SINGLE AND COMMENCING WORK, AND INCLUDE ALL SUCH NECESSARY WORK BASED ON THIS SITE INTERUPTER RETURN AIR DUCT FROM DEFECTS AND REPAIR OR REPLACE, AT NO COST TO OWNER, FAILURES OR DEFECTS. ELECTRICAL FAMILIARIZATION IN THIS BID. LINE DUCT REPRESENTATION) GROUND **OPENING** 4. H.V.A.C. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL HIS DEBRIS. OPERATED DAMPER DRIP RETURN M.P. OR H.P. STEAM PIPING GPH GALLON PER HOUR RATO RETURN AIR 5. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL SAFE WORKING CONDITIONS AND ABOVE FINISHED -GPM FLEXIBLE CONNECTION SHALL OBSERVE ALL SAFETY REQUIREMENTS ESTABLISHED BY JURISDICTIONAL AGENCIES GALLON PER MINUTE TRANSFER OPENING 5. BALANCE AIR AND UNITS TO QUANTITIES INDICATED. CONTRACTOR TO SUBMIT SIX (6) SETS OF AIR FLOOR AND THE OWNER. WHERE CONFLICTS EXIST, THE MORE STRINGENT REQUIREMENT SHALL PUMPED RETURN PIPING AND UNIT BALANCING REPORT TO ARCH./ENGR./OWNER PRIOR TO FINAL ACCEPTANCE OF THE SYSTEM. GTB GROUND TERMINAL ABOVE CEILING APPLY. CARE SHALL BE EXERCISED TO AVOID ENDANGERING PERSONNEL OR STRUCTURES. WINDOW AIR VOLUME DAMPER IN DUCT RECEPTACLE 6. BIDDERS FOR THIS WORK SHALL VISIT THE PREMISES AND CAREFULLY EXAMINE ALL EXISTING **CONDITIONING UNIT** VENT PIPING 4. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION METHODS. PROCEDURES AND GYP \leftarrow GYPSUM REF RETURN/EXHAUST CONDITIONS BEFORE SUBMITTING BIDS. NOT ALL EXISTING CONDITIONS HAVE BEEN IDENTIFIED ON AIR HANDLING UNIT JOB SITE CONDITIONS INCLUDING SAFETY. CONSTRUCTION SHALL BE PERFORMED IN SUCH DRAWINGS. CONTRACTOR SHALL NOTIFY ARCH. & ENGR. OF ALL DISCREPANCIES PRIOR TO SUBMITTING G.W.B. **GYPSUM WALL** A MANNER TO PROTECT WORKMEN, OCCUPANTS AND THE PUBLIC FROM INJURY AND AL./ALUM. ALUMINUM CONDENSATE DRAIN PIPE \leftarrow D \longrightarrow INDICATES SUPPLY AIR BOARD RETURN FAN ADJOINING PROPERTY SHALL BE PROTECTED FROM DAMAGE BY USE OF SCAFFOLDING, AIR MEASURING UNDERPINNING OR OTHER APPROVED METHOD. THE CONTRACTOR SHALL REPAIR ANY AND REG REGISTER ALL BIDDERS SHALL ALSO FAMILIARIZE THEMSELVES WITH THE MEANS OF ENTRANCE AND EXIT AT THE STATION ALL DAMAGE CAUSED DURING OR RESULTING FROM HIS OPERATIONS IN KIND TO THE REFRIGERANT PIPING PROPERTY AND ALL OTHER INFORMATION NECESSARY TO PROPERLY CARRY OUT THE WORK. ROGP \longleftarrow R \longrightarrow HEATING AIR REFRIGERANT HOT SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE OWNER. **APPROXIMATE** CONDITION GAS PIPE 8. THE CONTRACTOR SHALL, WITH THE APPROVAL OF THE ENGINEER AND WITHOUT ADDITIONAL COST TO AMPERE TRIF RETURN RISER ← (R) 5. CONTRACTOR SHALL MAINTAIN THE JOB SITE IN A CLEAN, DEBRIS FREE CONDITION, THE INDICATES EXHAUST OR RETURN AIR REFRIGERATION **RGIP** REMOTE GROUND THE OWNER, MAKE ALL NECESSARY CHANGES OR MODIFICATIONS TO LOCATIONS AS MAY BE ATS AUTOMATIC DUST RESULTING FROM REMOVALS SHALL BE CONTROLLED SO AS TO PREVENT ITS SPREAD NECESSARY TO SUIT REQUIREMENTS AND CONDITIONS FOR THE PROPER AND CONVENIENTLY HANDHOLE INDICATOR PANEL TO OCCUPIED PORTIONS OF THE BUILDING AND TO AVOID CREATION OF A NUISANCE IN TRANSFER SWITCH ACCESSIBLE LOCATIONS OF ALL PARTS OF EACH SYSTEM. STEAM RISER HOLLOW METAL R.D. ROOF DRAIN AVERAGE RM DOOR UNDERCUT HAND OFF ROOM 9. SMALL DETAILS ARE NOT USUALLY SHOWN OR SPECIFIED BUT ALL MATERIALS & COMPONENTS 6. CONTRACTOR SHALL SECURE AND PAY FOR ALL REQUIRED PERMITS. FEES. APPROVALS. STEAM SUPPLY AND RETURN RISER NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OR WORK SHALL BE FURNISHED AND AUTOMATIC RETURN AIR ETC. PRIOR TO COMMENCING WORK AND SHALL SECURE CERTIFICATE OF OCCUPANCY UPON INSTALLED AT NO ADDITIONAL COST. BUILDING DOOR LOUVER HOURSEPOWER REGISTER AUTOMATION SIDE CONNECTION HIGH PRESSURE 10. THE CONTRACTOR SHALL NOTE THAT ALL SERVICE CONNECTIONS MAY NOT BE SHOWN IN TRUE . CONTRACTOR SHALL BE RESPONSIBLE TO DISPOSE OF ALL DEMOLISHED MATERIAL OFF SITE CONTROL SYSTEM ACCESS DOOR IN DUCT POSITIONS. EACH BIDDER IS CAUTIONED, THEREFORE, TO VERIFY SAME WITH FIELD CONDITIONS. SYSTEM IN AN APPROVED MANNER. THE OWNER SHALL BE CONSULTED PRIOR TO DISPOSAL OF BARE COPPER TOP CONNECTION - 90° OR 45° HEIGHT S/S STATUS SENSOR ANY SALVAGED OR EXCESS MATERIALS AT THE COMPLETION OF THE PROJECT. 11. CONTRACTOR SHALL CHECK FOR INTERFERENCE AND VERIFY ALL DIMENSIONS PRIOR TO FABRICATION BRAKE HIGH VOLTAGE SUPPLY AIR OR INSTALLATION OF PIPING AND DUCTWORK. 8. UPON COMPLETION OF WORK, ALL EXCESS MATERIAL, DEBRIS, ETC, SHALL BE REMOVED **HORSEPOWER** BOTTOM CONNECTION - 90° OR 45° DUCT MOUNTED SOUND ATTENUATOR SAR SUPPLY AIR HEATING & AND THE WORK AREA SHALL BE LEFT CLEAN TO THE OWNER'S SATISFACTION. 12. IF AN ITEM OF EQUIPMENT OTHER THAN THE ITEM(S) SPECIFIED IS APPROVED, THE CONTRACTOR **BOTTOM REGISTER VENTILATIONG UNIT** REGISTER SHALL BE RESPONSIBLE FOR ALL ADDITIONAL COST ARISING OUT OF ADDITIONAL OR CHANGED **BOTTOM** UNION CONNECTION 9. ALL WORK SHALL BE SCHEDULED IN COMPLIANCE WITH THE OWNER'S REQUIREMENTS FOR HOT WATER SUPPLY SUPPLY AIR DUCT GENERAL CONSTRUCTION AND MECHANICAL WORK REQUIRED TO ACCOMMODATE THE SUBSTITUTED CONNECTION THE USE OF THE EXISTING FACILITY. EQUIPMENT. HWR HOT WATER RETURN **OPENING BOILER PLANT** CAPPED OUTLET FIRE DAMPER IN A DUCT WITH ACCESS SPLIT-SYSTEM 10. CONTRACTOR SHALL FURNISH ALL EQUIPMENT THAT MAY BE REQUIRED TO PERFORM THE 13. ALL EQUIPMENT INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS DIRECTIONS AND INSTRUMENTATION WORK INDICATED IN A SAFE AND ORDERLY MANNER, AND AS NECESSARY FOR A PROPER INTERNAL DIAMETER **COMPRESSURE** RECOMMENDATIONS. ECCENTRIC REDUCER IN STEAM PIPING PANEL INCH **CONDENSOR UNIY** 14. PROVIDE ONE SET OF SPARE FILTERS FOR ALL INSTALLED HV/HVAC UNITS. **BRITISH THERMAL INCAND** INCANDESCENT SMOKE DAMPER 11. CONTRACTOR SHALL BE RESPONSIBLE FOR THE RELOCATION AND TEMPORARY SUPPORT OF UNIT **EXPANSION JOINT** ANY UTILITIES ENCOUNTERED DURING THE COURSE OF HIS WORK AND TO ENSURE THE INTR INTERIOR SUPPLY FAN 15. PROVIDE TWO YEAR MAINTENANCE SERVICE FOR ALL INSTALLED HV/HVAC/MECHANICAL SYSTEMS. THIS **BRITISH THERMAL** OWNER'S FACILITY TO BE OPERATIONAL. FIRE/SMOKE DAMPER IN A DUCT WITH INCLUDES A MINIMUM OF THREE PERIODIC SERVICE VISITS TO INSPECT, TEST & CHECK ALL SIGNAL UNIT PER HOUR ANCHOR COMPONENTS OF HVAC/HV UNITS AND ANY ADDITIONAL VISITS REQUIRED IF ANY HVAC/HV UNIT FAILS. \leftarrow ACCESS DOOR JUNCTION BOX SP STATIC PRESSURE 12. CONTRACTOR SHALL REVIEW DRAWINGS AND FIELD VERIFY ALL DIMENSIONS, CONDITIONS ALL NECESSARY BELT ALIGNMENTS, PROPER OPERATIONS OF ALL DAMPERS, ETC IS INCLUDED IN THIS AND ELEVATIONS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL REPORT ANY STATIC PRESSURE CONSTANT AIR RISE OR DROP IN STEAM PIPING DISCREPANCIES AND ADDRESS ALL QUESTIONS TO ARCHITECT PRIOR TO COMMENCING KITCHEN HOOD TRANSMITTER, DUCT **VOLUME THERMAL** 16. PROVIDE FIRE DAMPERS/ACCESS DOORS AT ALL DUCT PENETRATIONS THROUGH CORRIDORS, SLABS **EXHAUST FAN** MOUNTED AND OTHER RATED PARTITIONS, IRRESPECTIVE OF WHETHER IT IS INDICATED ON THE DRAWINGS OR UNIT STRAINER, STRAINER WITH BLOW-OFF DIRECTIONAL VANES 13. CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING, PATCHING, FILLING AND CLEANING KILOWATT SS STAINLESS STEEL \leftarrow COOLING COIL UPON COMPLETION OF WORK. SPLIT-SYSTEM AIR **CEILING DIFFUSER** 17. PROVIDE FIRE STOPPING AROUND ALL OPENINGS FOR DUCT, PIPING, CONDUIT, ETC. PENETRATIONS LINEAR DIFFUSER OR **CONDITIONING UNIT** 14. CONTRACTOR SHALL NOT SCALE DRAWINGS FOR DIMENSIONS. ALL WRITTEN OR THROUGH CORRIDORS, SLABS AND OTHER RATED PARTITIONS. CFM **CUBIC FEET PER** \leftarrow GATE VALVE UNIT HEATER DIMENSIONED INFORMATION TAKES PRECEDENCE OVER THE DRAWING. SLOT-DIFFUSER WITH SSW SAFETY SWITCH MINUTE PLENUM STEAM RETURN LINE 18. CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION AND RESTORATION OF AREAS OF MECHANICAL 15. CONTRACTOR SHALL SUBMIT. WHERE REQUIRED BY THE ARCH/ENGR, SHOP DRAWINGS AND **CEILING GRILLE** \leftarrow ELECTRIC CABINET HEATER (ECH), CEILING REMOVALS. LOW LIMIT SOUND ATTENUATOR SUBMITTALS FOR APPROVAL PRIOR TO THE START OF FABRICATION OF THOSE ITEMS. THIS CR **CEILING REGISTER** MOUNTED INCLUDES ALL EQUIPMENT, SCHEMATIC DUCTWORK AND PIPING LAYOUT, ETC. CONTRACTOR LOW LIMIT (SOUND TRAP) 19. CONTRACTOR IS RESPONSIBLE FOR ALL CONTAINER SERVICES AND LABOR TO KEEP THE BUILDING FREE CONDENSATE PUMP $\longrightarrow + \emptyset + \longrightarrow$ STATION **CLEAN OUT** CLEARANCES) AT ALL LOCATIONS. REVIEW OF SHOP DRAWINGS/SUBMITTALS BY THE ELECTRIC CABINET HEATER (ECH) SENSOR SQUARE FEET 20. CONTRACTOR TO PROVIDE NEW WALL MOUNTED THERMOSTATS IN TAMPER PROOF ENCLOSURES FOR ALI ARCH/ENGR DOES NOT RELIEVE THE CONTRACTOR FROM PROVIDING THE CURRENT MODEL CHWS CHILLED WATER RECESSED IN WALL LTCP LOCAL AHU'S. RADIATORS ETC. IRRESPECTIVE OF WHETHER THEY ARE INDICATED ON ALL DRAWINGS OR NOT. NUMBERS, TYPE, & FEATURES OF ALL EQUIPMENT'S & MATERIALS. SUPPLY PRESSURE REDUCING VALVE AND BYPASS TEMPERATURE **TEMPERATURE** CONTRACTOR TO INDICATE THERMOSTAT LOCATIONS ON ALL SHOP DRAWINGS. CHILLED WATER 16. CONTRACTOR SHALL PROVIDE THE OWNER AND ARCHITECT WITH CERTIFICATES OF SQUARE DIFFUSER WITH CYLINDRICAL **CONTROL PANEL** TCC **TEMPERATURE** INSURANCE PRIOR TO STARTING THE WORK. 21. CONTRACTOR IS TO PROVIDE TAGS FOR ALL NEW EQUIPMENT, STEAM & CONDENSATE PIPES, VALVES, RETURN LTG LIGHTING CONTROL ETC. PER SPEC SECTION 15075. AUTOMATIC ZONE CONTROL VALVE AND CABINET UNIT LTS 17. CONTRACTOR SHALL SHALL BE RESPONSIBLE FOR SHORING AND BRACING OF EXISTING LIGHTS CONNECTION HEATER STRUCTURES AS NEEDED TO COMPLETE THE NEW WORK. LOW VOLTAGE TCP REMOTE CONDENSATE **TEMPERATURE** 18. ALL MANUFACTURER'S MATERIALS, COMPONENTS, FASTENERS, ASSEMBLIES, ETC. SHALL BE ---- CD ----WATER RETURN THERMOSTATIC STEAM TRAP **EXISTING SQUARE CEILING DIFFUSER** GENERAL CONSTRUCTION NOTES MASTER ANTENNA **CONTROL PANEL** HANDLED AND INSTALLED IN ACCORDANCE TO WITH MANUFACTURERS INSTRUCTIONS AND CONDENSATE RECOMMENDATIONS. WHERE BRAND NAMES AND MANUFACTURED PRODUCTS ARE CALLED TELEVISION TOP GRILLE/ \longrightarrow FLOAT AND THERMOSTATIC STEAM TRAP FOR, APPROVED EQUALS WHICH MEET APPLICABLE STANDARDS AND SPECIFICATIONS MAY WATER SUPPLY MAXIMUM TRANSFER GRILLE BE SUBSTITUTED WITH WRITTEN PERMISSION OF THE ARCHITECT AND THE OWNER. THOUSAND BTU PER THICKNESS WHENEVER BRAND NAMES OR SPECIFIC PRODUCT SYSTEMS ARE INDICATED IT SHALL BE 1. CONTRACTOR IS RESPONSIBLE FOR THE CUTTING OF ALL WALLS, FLOORS, CEILING ETC. FOR ALL PIPE DRAIN TWO-WAY TEMPERATURE CONTROL **EXISTING SQUARE CEILING REGISTER** CLEARLY UNDERSTOOD THAT SUCH IDENTIFICATION IS FOR THE PURPOSE OF ILLUSTRATING & DUCT PENETRATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING HOLES IN ROOF FOR HOUR **TERMINATION** \leftarrow THE TYPE OF PRODUCT AND DEGREE OF QUALITY DESIRED, SUCH IDENTIFICATION IN NO (MODULATING) VALVE DIRECT ACTING EQUIPMENT AND DUCTWORK AND PROVIDING ROOF/FLOOR/WALL STRUCTURAL SUPPORT. GENERAL MAIN CIRCUIT **MODULE** WAY PRECLUDES THE CONTRACTOR FROM USING PRODUCTS OF OTHER MANUFACTURERS DAC CONTRACTOR SHALL PROVIDE BLOCKING, ROOFING, DUNNAGE. DOOR AIR CURTAIN BREAKER TREG TOP REGISTER WHICH CAN BE SHOWN IN ADVANCE TO BE OF LIKE AND OF EQUAL OR BETTER QUALITY. **THERMOMETER** ROUND DIFFUSER WITH CYLINDRICAL MOTOR CONTROL TSTAT **THERMOSTAT** 2. CONTRACTOR IS REQUIRED TO PATCH (TO MATCH EXISTING), IMMEDIATELY AFTER REMOVAL, ALL WALL 19. ALL CHANGES SHALL BE REQUESTED IN WRITING AND MAY ONLY BE APPROVED IN WRITING DDC DIRECT DIGITAL FLOOR & CLG. OPENINGS WHERE EXISTING PIPE, PNEUMATIC LINES, DUCT, RADIATORS, BASEBOARDS, CENTER **TEMPERATURE** BY THE ARCHITECT AND THE OWNER PRIOR TO ANY CHANGES BEING MADE. ETC. ARE BEING REMOVED. SEAL OPENING WITH 3 HOUR FIRE BARRIER CAULK. SEE GENERAL PRESSURE GAUGE WITH NEEDLE VALVE CONTROL MAIN DISTRIBUTION SENSOR (TEMP. LOCATIONS ON MECHANICAL DEMOLITION PLAN. DIAMETER 20. THE ARCHITECT/ENGINEER HAS THE RIGHT TO REJECT ANY PORTION OF WORK THAT IS TRANSMITTER) DN POORLY INSTALLED, DOES NOT MEET INDUSTRY STANDARD, UNAUTHORIZED, OR WORK DONE DOWN RETURN OR EXHAUST GRILLE OR 3. CONTRACTOR TO REFER TO MECHANICAL DRAWINGS FOR PAINTING OF DUCTWORK, FURNISHING AND MECHANICAL TYP TYPICAL \bigcirc CONTRARY TO THE THE INTENT OF THE CONTRACT DOCUMENTS. SUCH WORK SHALL BE INSTALLING ACCESS PANELS, CUTOUT LOCATIONS, ETC. DOMESTIC HOT CARBON MONOXIDE GAS SENSOR MECHANICAL REPLACED. REPAIRED OR REMOVED AT THE CONTRACTOR'S EXPENSE. WATER HEATER **EQUIPMENT ROOM** 4. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING & RELOCATING EXISTING ELECTRICAL **UNIT HEATER** DIFFERENTIAL CARBON DIOXIDE GAS SENSOR 21. CONTRACTOR SHALL GUARANTEE ALL HIS WORK AND THE WORK OF HIS SUBCONTRACTORS CALIBRATED BALANCE AND SHUTOFF FIRE ALARM & COMMUNICATION DEVICES TO ACCOMMODATE THE INSTALLATION OF NEW UNITS, PIPING & MINIMUM UON UNLESS OTHERWISE FOR A PERIOD TWO (2) YEARS AFTER RECEIVING FINAL ACCEPTANCE AND DO ALL REPAIR DUCTWORK. CHECK IN FIELD. PRESSURE GAUGE VALVE WITH MEMORY STOP AND MAIN LUGS ONLY $\langle S \rangle$ WORK AND REPLACEMENT AS NECESSARY DURING THAT PERIOD AT THE CONTRACTOR'S SMOKE DETECTOR DIFFERENTIAL PRESSURE PORTS 5. GENERAL CONTRACTOR SHALL REMOVE EXISTING CEILING TILES AND CEILING GRID TO ACCOMMODATE MANHOLE **PRESSURE** THE INSTALLATION OF NEW UNITS, PIPING & DUCTWORK. RE-INSTALL ALL CEILING TILES BACK TO MINIMUM VOLTAGE MATCH EXISTING WHERE NEW CEILINGS ARE NOT CALLED FOR. REMOVE & REPLACE ALL DAMAGED 22. IN NO EVENT SHALL STRUCTURAL MEMBERS BE CUT OR DRILLED WITHOUT THE WRITTEN **TRANSMITTER** AUTOMATIC ELECTRICAL OPERATING THERMOMETER WITH WELL MASONRY OPENING FAN-POWERED ——— ALD TILES & CEILING GRID. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES AND LOCATIONS OF APPROVAL OF A LICENSED STRUCTURAL ENGINEER. DAMPER DRAWING MOTORIZED OUTSIDE VARIABLE AIR DWTR DUMB WAITER PRESSURE GAUGE 23. CONTRACTOR SHALL PROVIDE SAFE AND SANITARY CONDITIONS WHERE DEMOLITION AND AIR DAMPER **VOLUME** 6. GENERAL CONTRACTOR SHALL PROVIDE ROOFING PATCH WORK AND TIE-IN FOR ALL NEW PLUMBING. (7)PRESSURE GAUGE WRECKING OPERATIONS ARE BEING CARRIED ON. WORK SHALL BE EXECUTED IN SUCH A MOUNTED VINYIL COMPOSITE MECHANICAL AND ELECTRICAL EQUIPMENT AND CONDUIT THAT PENETRATES THE EXISTING ROOF. MANNER THAT HAZARD FROM FIRE, POSSIBILITY OF INJURY, DANGER TO HEALTH AND EXHAUST AIR TEST PLUG FOR PRESSURE/TEMPERATURE MTG HT MOUNTING HEIGHT CONDITIONS WHICH MAY CONSTITUTE A PUBLIC NUISANCE SHALL BE MINIMIZED. **VOLUME DAMPER** EXHAUST ARE DUCT 7. GENERAL CONTRACTOR TO PATCH FLOORS & WALLS WHERE EXISTING THERMOSTAT & PNEUMATIC **VOLUME DAMPER** TUBING IS BEING REMOVED W/ NON-SHRINK GROUT. PAINT TO MATCH EXISTING. 24. ENGINEER/OWNER MAY ASK THE CONTRACTOR TO PROVIDE DETAILED SHOP DRAWINGS 8 **OPENING** NORTH VENT VENTILATION SUBMITTALS OF ANY/ALL PARTS OF THIS PROJECT WHICH THE ENGINEER/OWNER DEEMS ENTERING AIR THERMOSTAT - ELECTRIC (24V) -PRESSURE SENSOR INPUT SIGNAL TO DDC NOT APPLICABLE 8. GENERAL CONTRACTOR IS RESPONSIBLE TO DEMOLISH EXISTING HOUSEKEEPING CONCRETE PADS FOR **VEST** VESTIBULE NON-PROGRAMMABLE **TEMPERATURE** TEMPERATURE CONTROL EXISTING MECHANICAL/PLUMBING EQUIPMENT WHICH ARE TO BE DEMOLISHED AND NOT TO BE USED. NORMALLY CLOSED VFD **VARIABLE EXISTING BUILDING** NON-FUSED SAFETY FREQUENCY DRIVE H.V.A.C. MATERIALS **EMPTY CONDUIT** THERMOSTAT - 7 DAY PROGRAMMABLE SWITCH V.I.F. **VERIFY IN FIELD** EXHAUST FAN **NEW CONNECTION POINT** NOT IN CONTRACT VTF VENT THROUGH INSULATION: TEMPERATURE SENSOR EQUIPMENT GROUND NON-CONTROLLED **EXHAUST** 24 HR LIGHT **VAPOR PROOF** • REFER TO SCHEDULES FOR UNIT MANUFACTURER, SIZE, AND EXTERNAL DUCT INSULATION: 1" THICK, MIN. 2LB. DENSITY FLEXIBLE FIBERGLASS SPACE HUMIDISTAT EXPANSION JOIN DISCONNECTION POINT CAPACITY DATA. DUCT INSULATION WITH REINFORCED FOIL FACED FLAME RESISTANT KRAFT VAPOR NORMALLY OPEN ELEVATION BARRIER, ADHERED TO DUCT W/ SEALED LAPS AND TAPED JOINTS. **NUMB** SPACE HUMIDITY SENSOR **ELECTRIC** N.T.S. NOT TO SCALE FRESH AIR INTAKE AND EXPOSED DUCT: 1" THICK, MIN. 2 LB. DENSITY RIGID ELEV. **ELEVATOR** • INDOOR SUPPLY, RETURN AND EXHAUST DUCTWORK, EXCEPT AS WATER GAUGE FIBERGLASS DUCT INSULATION WITH FOIL FACING VAPOR BARRIER FASTENED WITH UNIT CONTROL SYSTEM PILOT INDICATED BELOW. SHALL BE GALVANIZED STEEL CONSTRUCTION. **EMERG EMERGENCY** WELDED CLIPS, CEMENTED JOINTS WITH ALUMINUM TAPE. OUTSIDE AIR INTAKE WM WIRE MESH WEIGHTS AND CONSTRUCTION DETAIL SHALL BE IN **EQPM EQUIPMENT** ON CENTER **WMS** WIRE MESH SCREEN ACCORDANCE WITH THE LATEST ASHRAE GUIDE AND/OR SMACNA STEAM/CD PIPES SHOULD BE INSULATED WITH FIBERGLASS PIPE INSULATION WITH LOW/HIGH LIMIT DUCT THERMOSTAT EXP, XP EXPANSION PROOF STANDARDS. **WPR WORKING PRESSURE** FACTORY APPLIED ASJ JACKET. INSTALL WITH APPROVED ADHESIVE AND STAPLES. **EXTERIOR** REFER TO SPECIFICATIONS FOR INSULATION THICKNESS. WATER TIGHT PSH OUTDOOR AIR INTAKE DUCTWORK SHALL BE ALUMINUM PRESSURE SENSOR SWITCH HIGH **EXTG EXISTING** POLE CONSTRUCTION, CLASS "A" SEALED. AIR DEVICES: **ELECTRIC WATER** PULL BOX TRANSFORMER PRESSURE SENSOR SWITCH LOW **COOLER** • FLEXIBLE DUCTWORK: SHALL NOT EXCEED FOUR (4) FEET IN SAD — TITUS MAKE, MODEL TMS PREFABRICATED RAR - TITUS MAKE, MODEL 355-RL (PROVIDE 24x24 TYPE 3 BORDER FOR CEILING BEDSIDE PATIENT FIRE ALARM **├** DROP IN DUCT • FIRE DAMPER: PHILLIPS SERIES 2 U.L. LABELED DAMPER OR POWER UNIT • GRG - TITUS MAKE, MODEL 355-RL (PROVIDE 24x24 TYPE 3 BORDER FOR CEILING FIRE ALARM APPROVED EQUAL. PUMPED LAY IN APPLICATIONS) RISE IN DUCT **CONTROL PANEL** NOTES: CONDENSATE FAN COIL UNIT PRIMARY CHILLED ALL SAD, RAR, EAR SHALL BE PROVIDED WITH INTEGRAL OPPOSED BLADE **FLEXIBLE** LOW PRESSURE STEAM PIPING: SHALL BE SCHEDULE 80 BLACK WATER SUPPLY DAMPERS FOR BALANCING. PITCH DUCT UP STEEL WITH STANDARD WELDED FITTINGS. CONNECTION ALL CEILING DIFFUSERS LOCATED IN GYPSUM BOARD AND/OR CONCEALED PRIMARY CHILLED FLOOR DRAIN SPLINE CEILINGS SHALL BE PROVIDED WITH FRAME TYPE FOR SURFACE LOW PRESSURE CONDENSATE RETURN PIPING: SHALL BE HARD WATER RETURN FIRE DAMPER PRESSURE DROP 3. PROVIDE FACTORY INSTALLED 90° BLANK-OFF PLATE(S) IN ALL 2 AND 3 WAY SET DN. PITCH DUCT DN ACCESS DOOR PNL PANEL • AIR CONDITIONING CONDENSATE DRAIN PIPING: SHALL BE HARD FILM ILLUSTRATOR 4. COLOR OF AIR OUTLETS/INLETS SHALL MATCH THE CEILING COLOR. REFER TO POD POWER OPERATED COPPER TYPE "L" WITH WROUGHT COPPER FITTINGS. OR MH101 FOR COLORS OF THE LSD IN GYPSUM BOARD CEILINGS. 5. FOR ALL SAD, LSD, RAR THE NC RATING SHALL NOT BE GREATER THAN 22. FIXT FIXTURE SCHEDULE 40 PVC WITH PVC FITTINGS (PRIMED & CEMENTED) PRESSURE SUPPLY DUCT SECTION **FLUOR** FLUORESCENT REDUCING VALVE • REFRIGERANT PIPING: SHALL BE COPPER TYPE ACR APPROVED: APPROVED: **Drawing Title** Project Title ARCHITECT/ENGINEERS: **CONSULTANTS**: Mechanical Notes, Abbreviations, & Symbols Steam Distribution & HVAC Systems APPROVED: APPROVED: Firehouse Enhancement at FDR Drawing Scale: N.T.S. 08-16-2021

Project Number 620-20-206 Engineering Building(s) Number Bid Documents Service 100% Working Drawings Submission Approved: Facility Director, VAHVHCS: APPROVED: APPROVED: Location **Drawing Number** 05-21-2021 95% Working Drawings Submission 02-26-2021 Montrose, NY 10548 65% Working Drawings Submission 08-25-2018 35% Working Drawings Submission APPROVED: APPROVED: Checked Drawn Approved: John Cliffe, Facility Chief of Engineering Department of Veterans Affairs 10-05-2017 100% Preliminary Design Submission 08-30-2021 LS Dwg. 25 of 61 Revisions

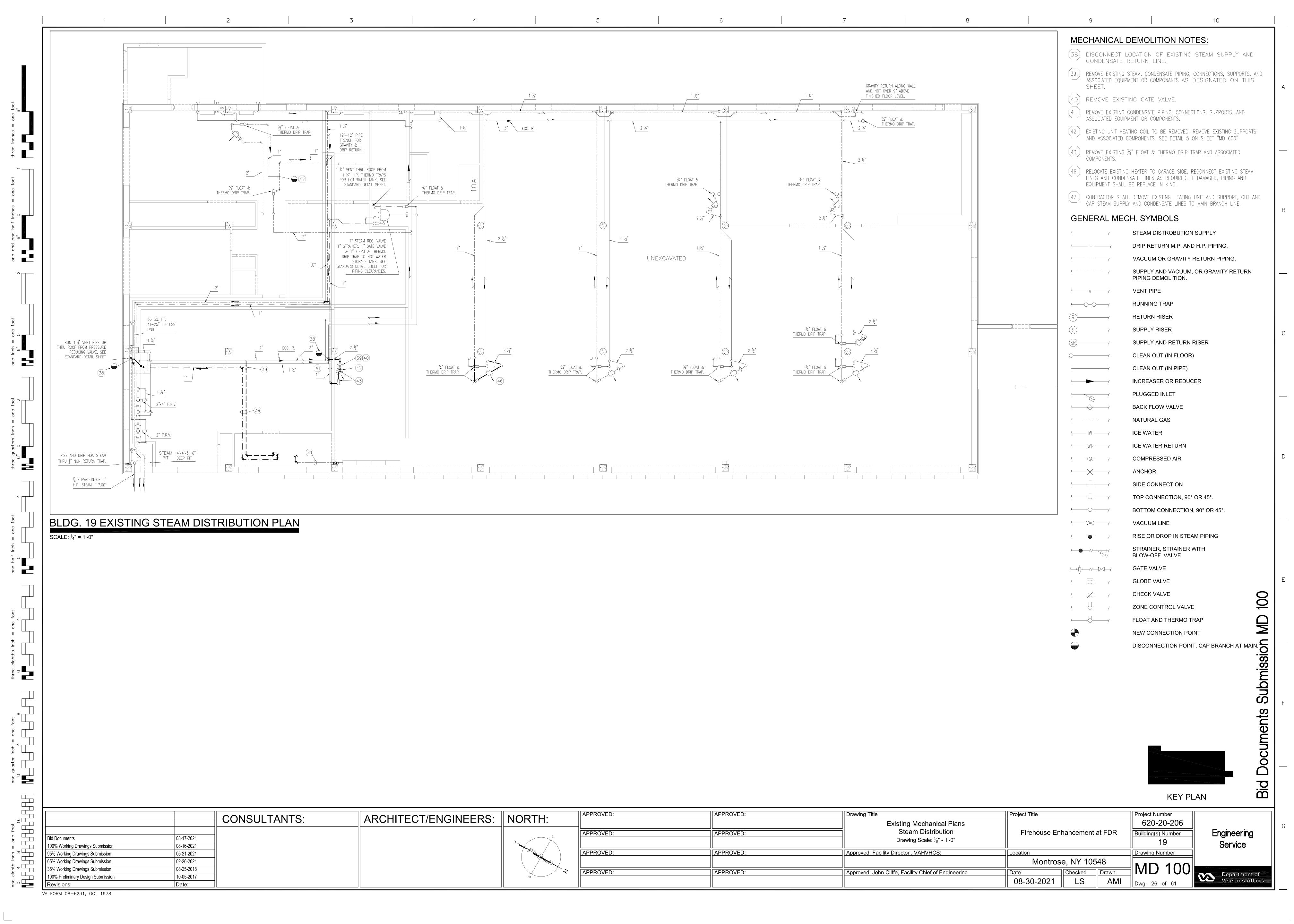
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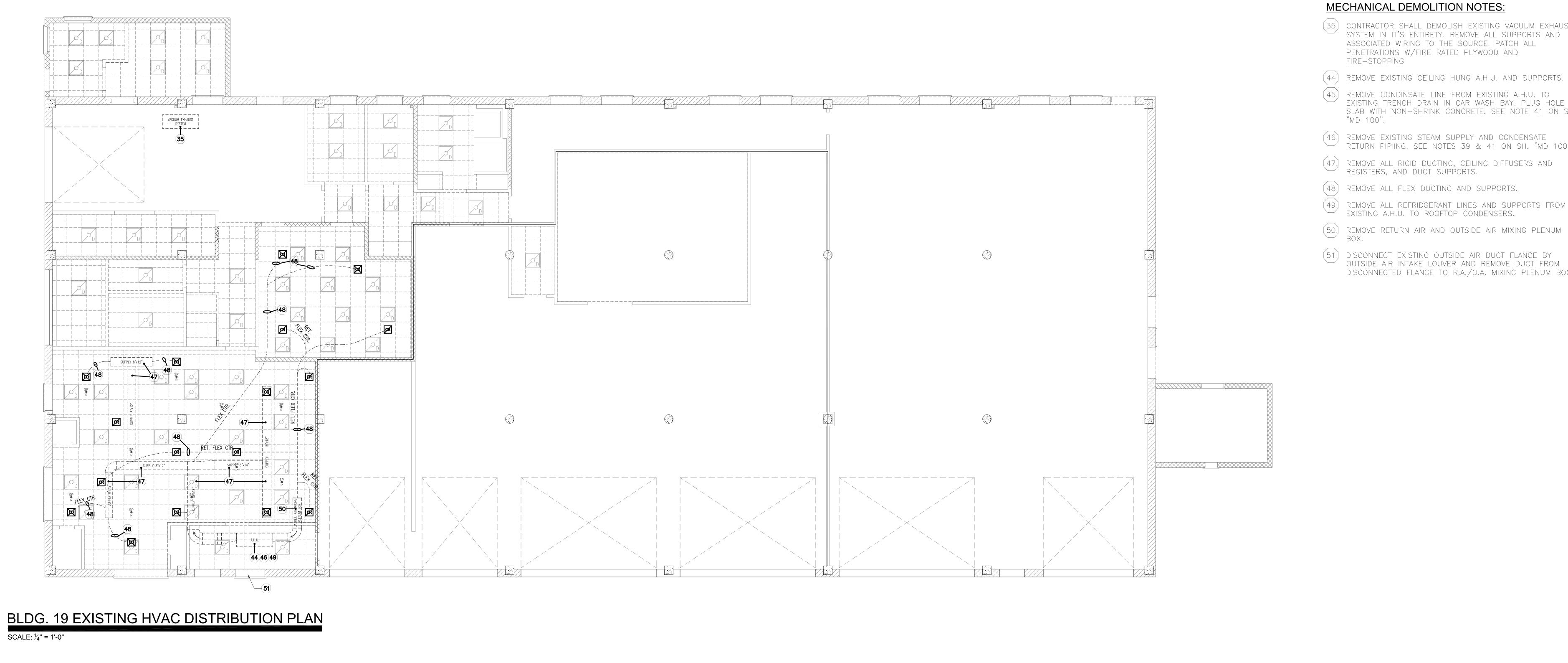
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Submission

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KEY PLAN





(35) CONTRACTOR SHALL DEMOLISH EXISTING VACUUM EXHAUST SYSTEM IN IT'S ENTIRETY. REMOVE ALL SUPPORTS AND ASSOCIATED WIRING TO THE SOURCE. PATCH ALL PENETRATIONS W/FIRE RATED PLYWOOD AND

10

(44) REMOVE EXISTING CEILING HUNG A.H.U. AND SUPPORTS.

(45) REMOVE CONDINSATE LINE FROM EXISTING A.H.U. TO EXISTING TRENCH DRAIN IN CAR WASH BAY. PLUG HOLE IN SLAB WITH NON-SHRINK CONCRETE. SEE NOTE 41 ON SH. "MD 100".

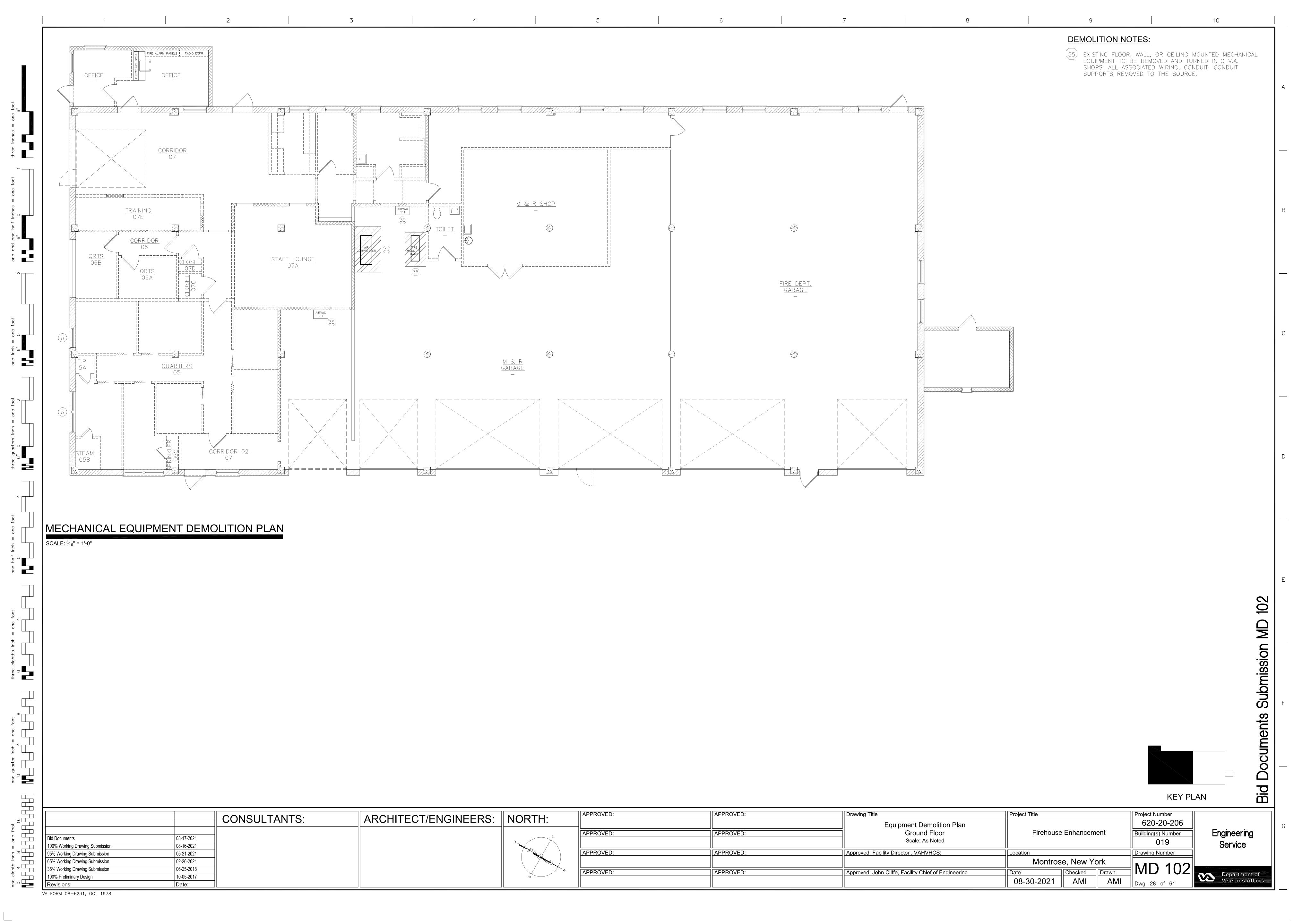
(46) REMOVE EXISTING STEAM SUPPLY AND CONDENSATE RETURN PIPIING. SEE NOTES 39 & 41 ON SH. "MD 100".

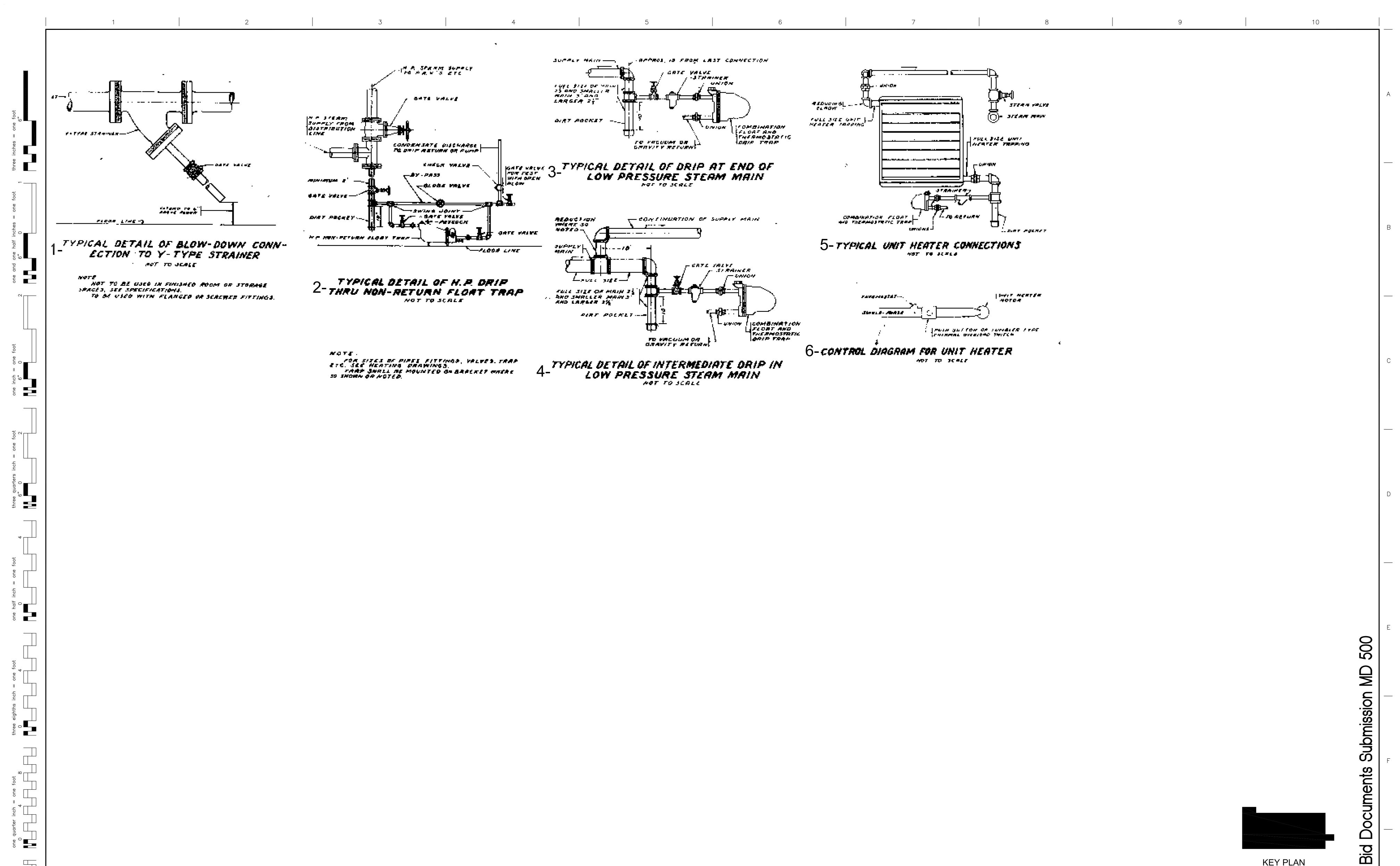
(48) REMOVE ALL FLEX DUCTING AND SUPPORTS.

(49) REMOVE ALL REFRIDGERANT LINES AND SUPPORTS FROM EXISTING A.H.U. TO ROOFTOP CONDENSERS.

(51) DISCONNECT EXISTING OUTSIDE AIR DUCT FLANGE BY OUTSIDE AIR INTAKE LOUVER AND REMOVE DUCT FROM DISCONNECTED FLANGE TO R.A./O.A. MIXING PLENUM BOX.

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		CONSULTANTS:	ARCHITECT/ENGINEERS:	NORTH:			Existing Mechanical HVAC Plan		620-20-206	
					APPROVED:	APPROVED:	Ground Floor	Firehouse Enhancement	Building(s) Number	Engineering
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% Working Drawings Submission	05-21-2021				APPROVED:	APPROVED:	Approved: Facility Director , VAHVHCS:	Location	Drawing Number	
% Working Drawings Submission	02-26-2021							Montrose, NY 10548		
% Working Drawings Submission	08-25-2018				APPROVED:	APPROVED:	Approved: John Cliffe, Facility Chief of Engineering	Date Checked Drawn	MD 101	
0% Preliminary Design Submission	10-05-2017				AFFILOVED.	AFFROVED.	Approved. John Cline, Facility Chief of Engineering			Departmen Veterans A
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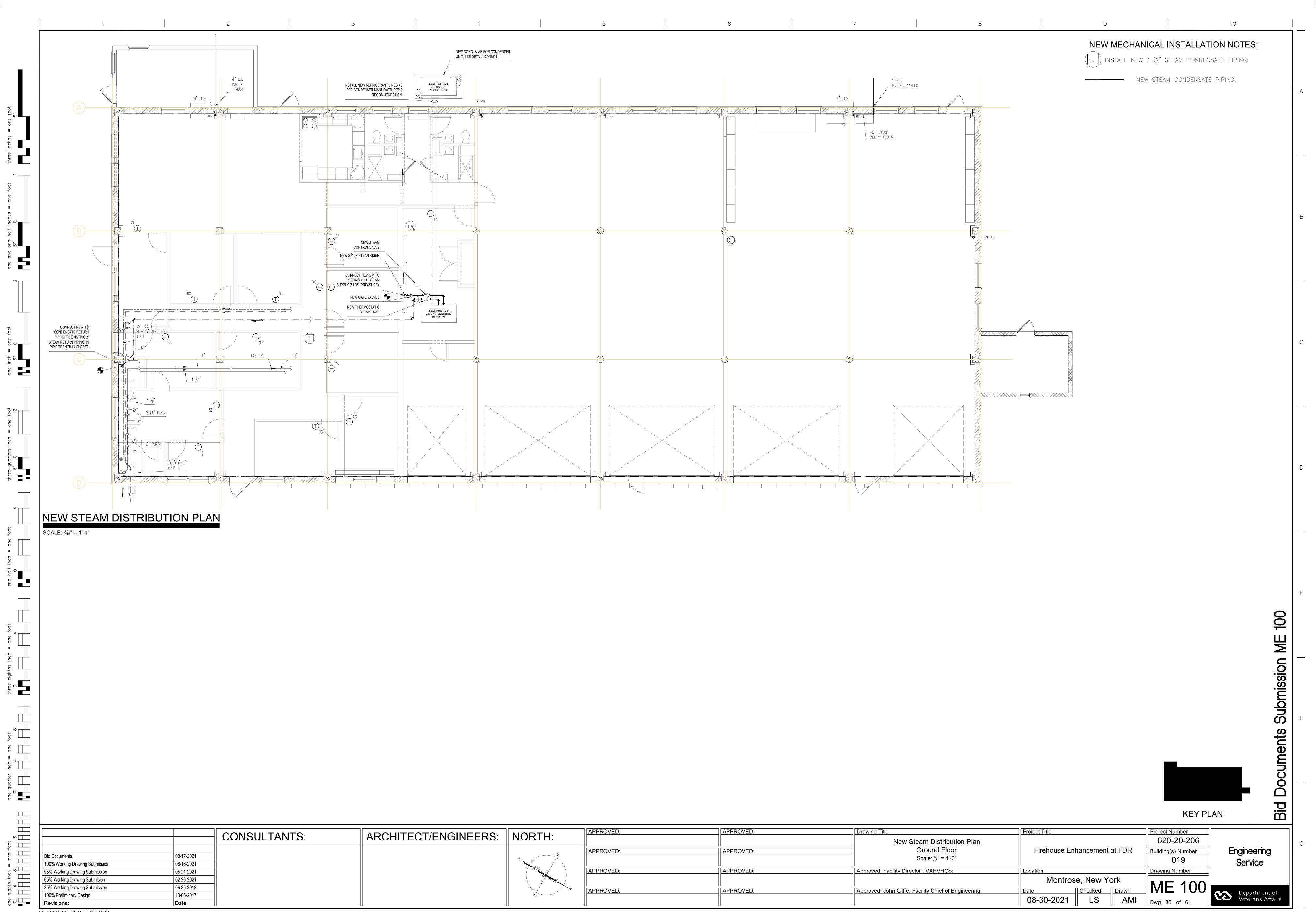
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		CONSULTANTS:	ARCHITECT/ENGINEERS:	NORTH:			Existing Standard Mechanical Details		620-20-206	
D'I D	00.47.0004			7	APPROVED:	APPROVED:	Steam Distribution	Firehouse Enhancement at FDR	Building(s) Number	Engineering
Bid Documents 100% Working Drawings Submission	08-17-2021 08-16-2021			6			Drawing Scale: N.T.S.		19	Service
95% Working Drawings Submission	05-21-2021				APPROVED:	APPROVED:	Approved: Facility Director , VAHVHCS:	Location	Drawing Number	331 1133
55% Working Drawings Submission	02-26-2021							Montrose, NY 10548	NAD FOO	
5% Working Drawings Submission	06-25-2018			*	APPROVED:	APPROVED:	Approved: John Cliffe, Facility Chief of Engineering	Date Checked Drawn	MD 500	Donartment of
00% Preliminary Design Submission	10-05-2017	_		m	7	7.1.7.1.3.7.2.	Tipper vois comments, commy come or angles may	08-30-2021 LS AMI		Veterans Affairs
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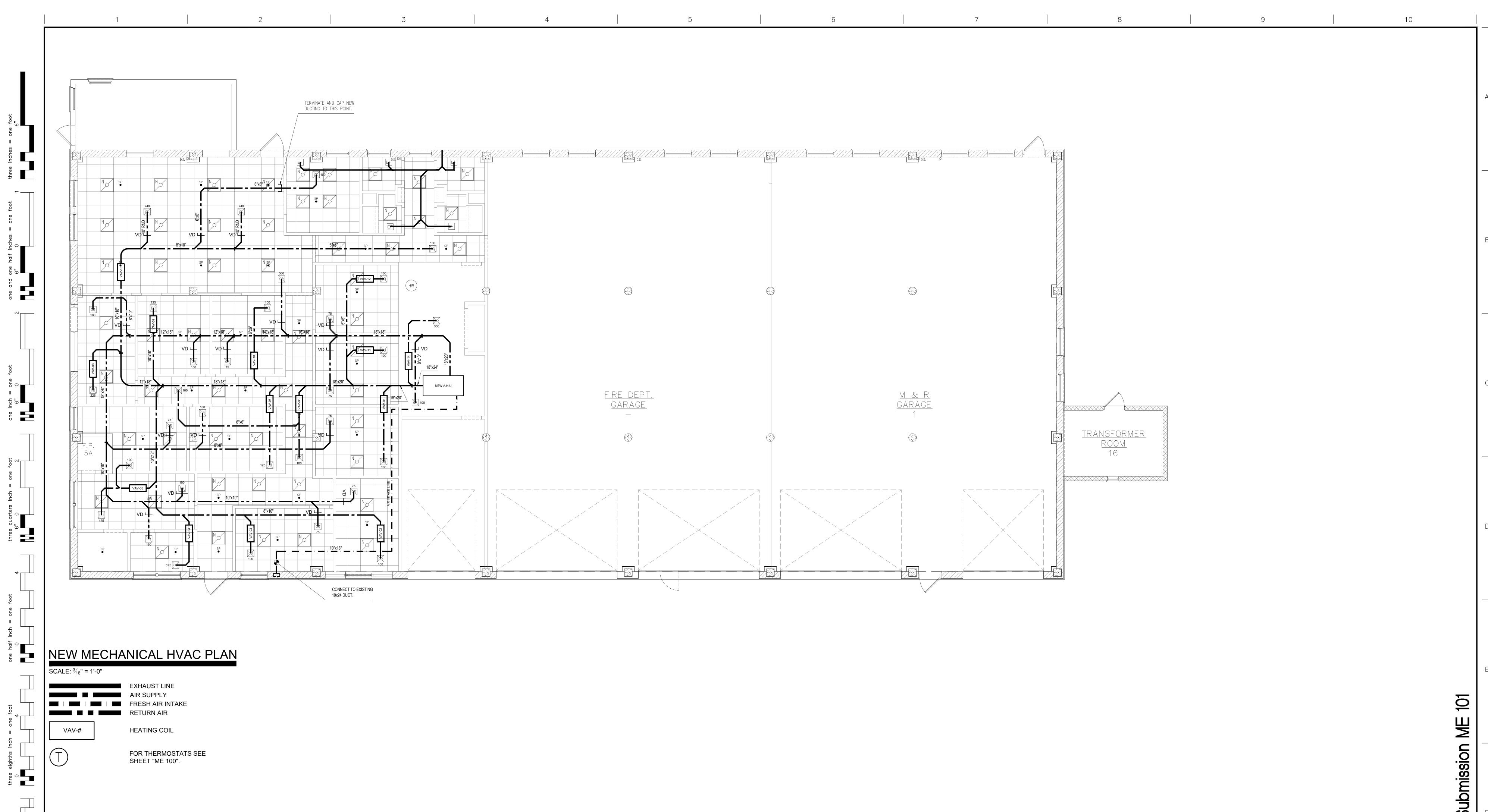
one eighth inch = one foot

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VA FORM 08-6231, OCT 1978



VA FORM 08-6231, OCT 1978



KEY PLAN

Project Number
620-20-206

Engineering

Department of Veterans Affairs

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		CONSULTANTS:	ARCHITECT/ENGINEERS:	NORTH:			New Mechanical HVAC Plan			620-20-206	
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65% Working Drawing Submission	02-26-2021							Montrose,	New York		,
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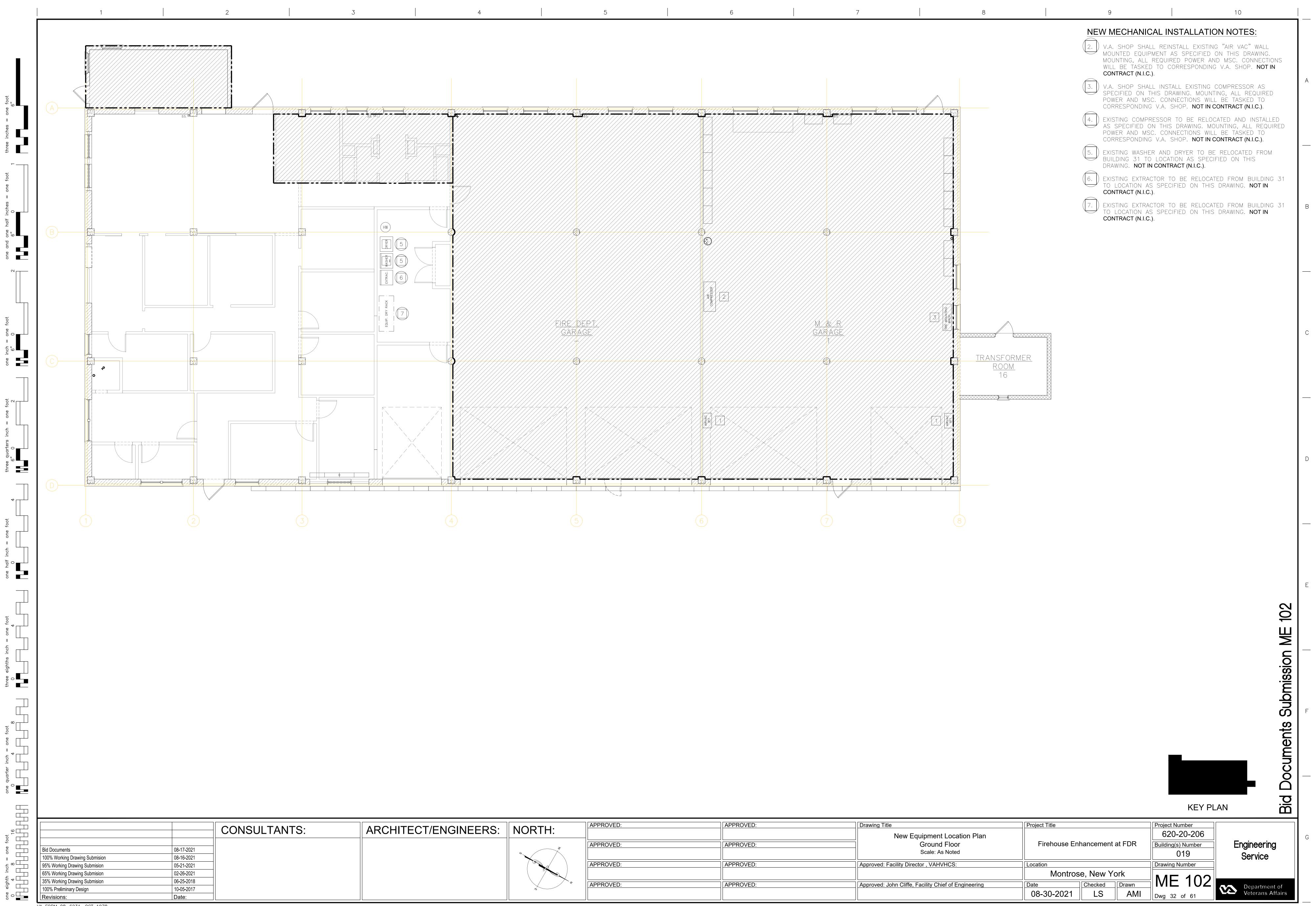
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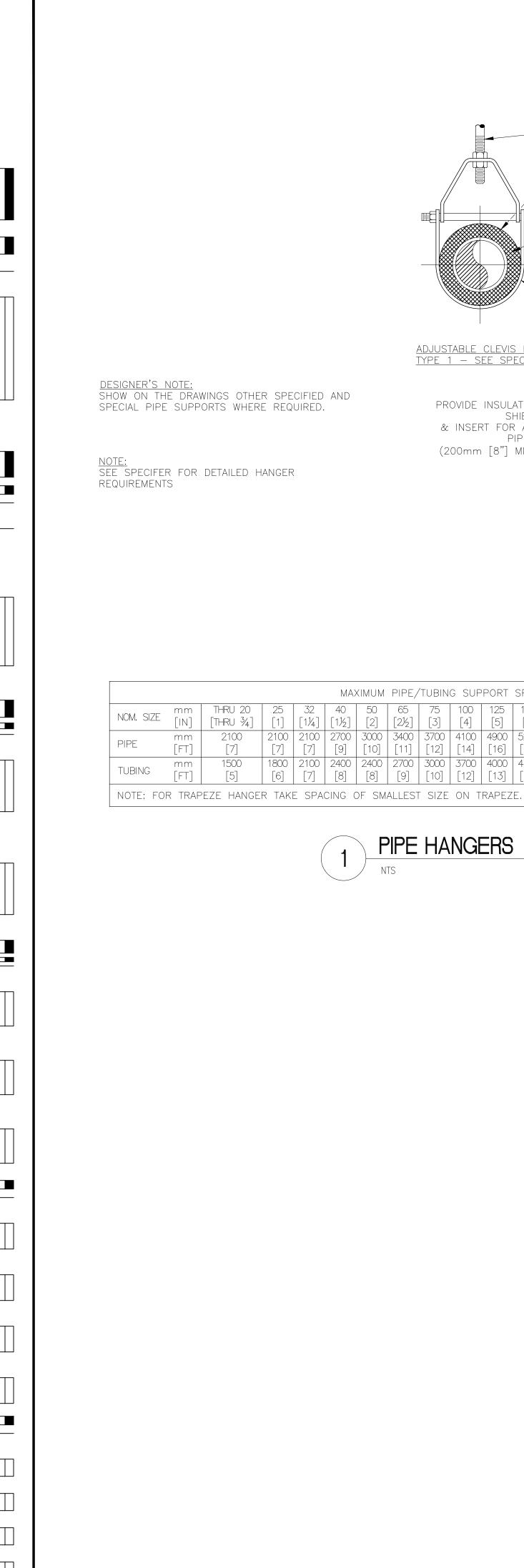
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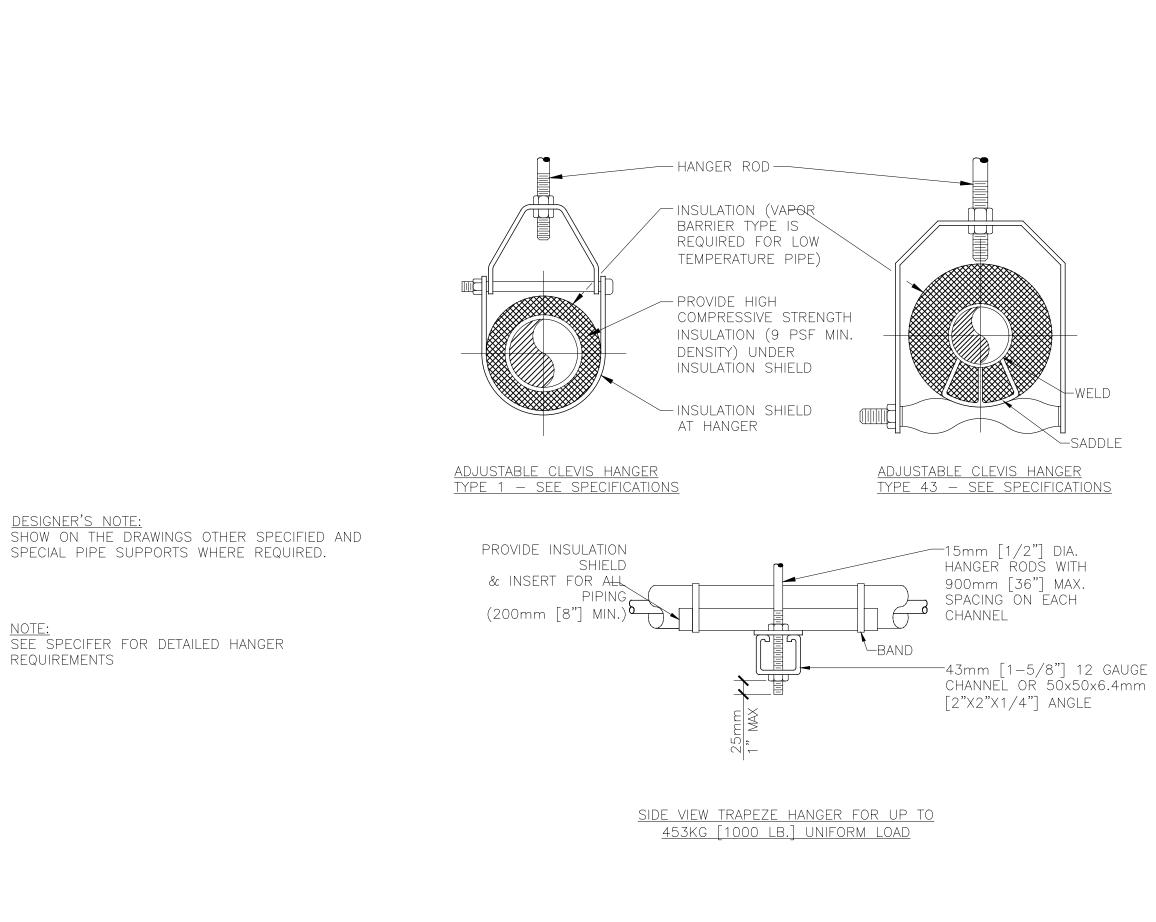
Revisions:

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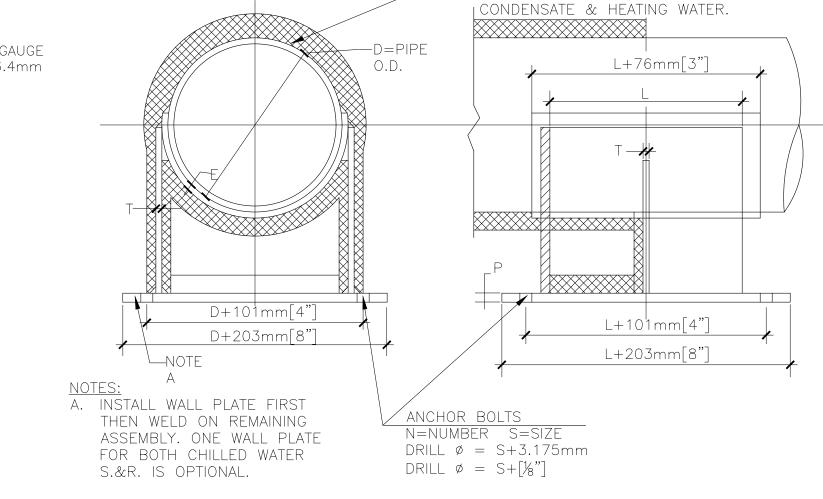


MAXIMUM PIPE/TUBING SUPPORT SPACING

PIPE HANGERS

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[FT] [5] [6] [7] [8] [8] [9] [10] [12] [13] [14] [16] — — — — — — — — — —



152 6 216 8½ 19 ¾ 10 ¾ 6 ¼ 102 4 22 78

203 8 254 10 19 34 13 1/2 6 1/4 102 4 22 1/8

254 10 305 12 19 34 13 ½ 6 14 102 4 22 3

305 12 356 14 19 34 13 2 6 4 102 4 22 3

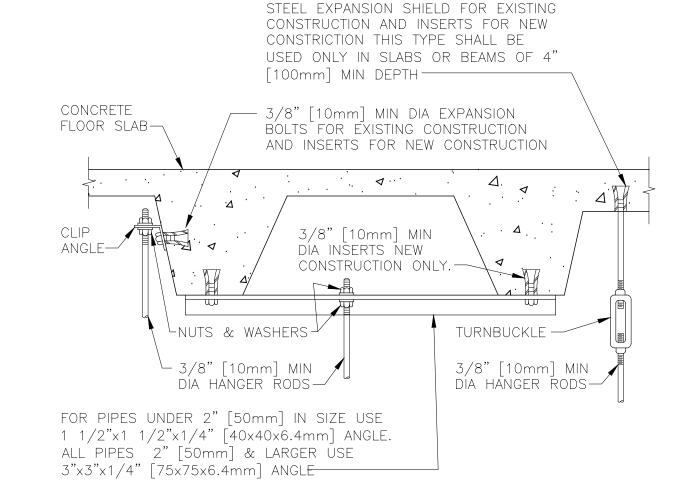
356 14 406 16 19 34 13 1/2 13 1/2 102 4 22 7/8

406 | 16 | 457 | 18 | 19 | 34 | 13 | 12 | 13 | 12 | 102 | 4 | 22 | 78

457 18 508 20 25 1 13 % 13 ½ 152 6 25 1

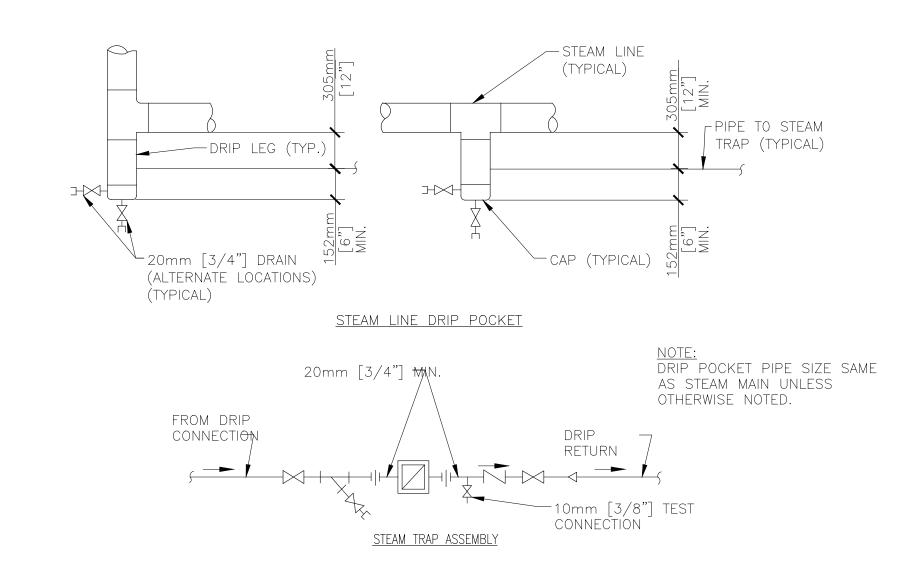
PIPE ANCHOR SCHEDULE



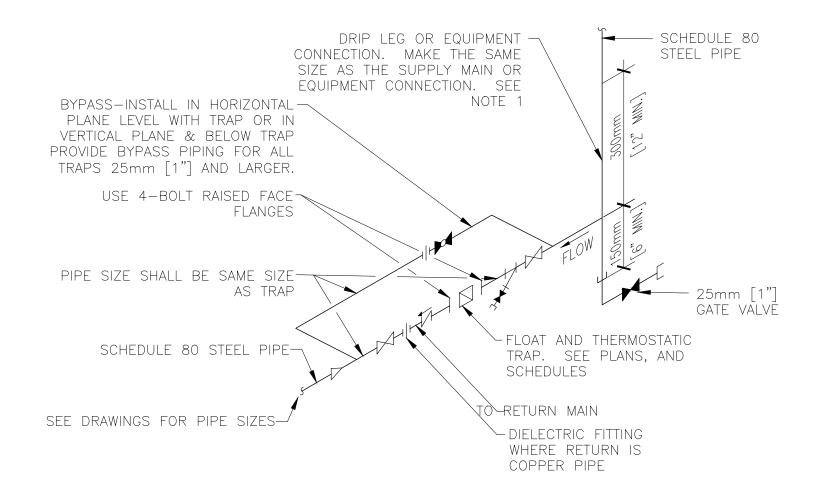


- INSULATE AS INDICATED FOR ALL CHILLED WATER. INSULATE PIPE ONLY FOR STEAM,









ALL DRIP POINTS ON STEAM MAINS SHALL BE PROVIDED WITH A 300mm [12"] MINIMUM HIGH DRIP LEG FROM BOTTOM OF STEAM MAIN TO TRAP INLET. DRIP LEG SHALL HAVE 150mm [6"] SCALE POCKET BELOW TRAP INLET.

FLOAT AND THERMOSTATIC STEAM TRAP ASSEMBLY

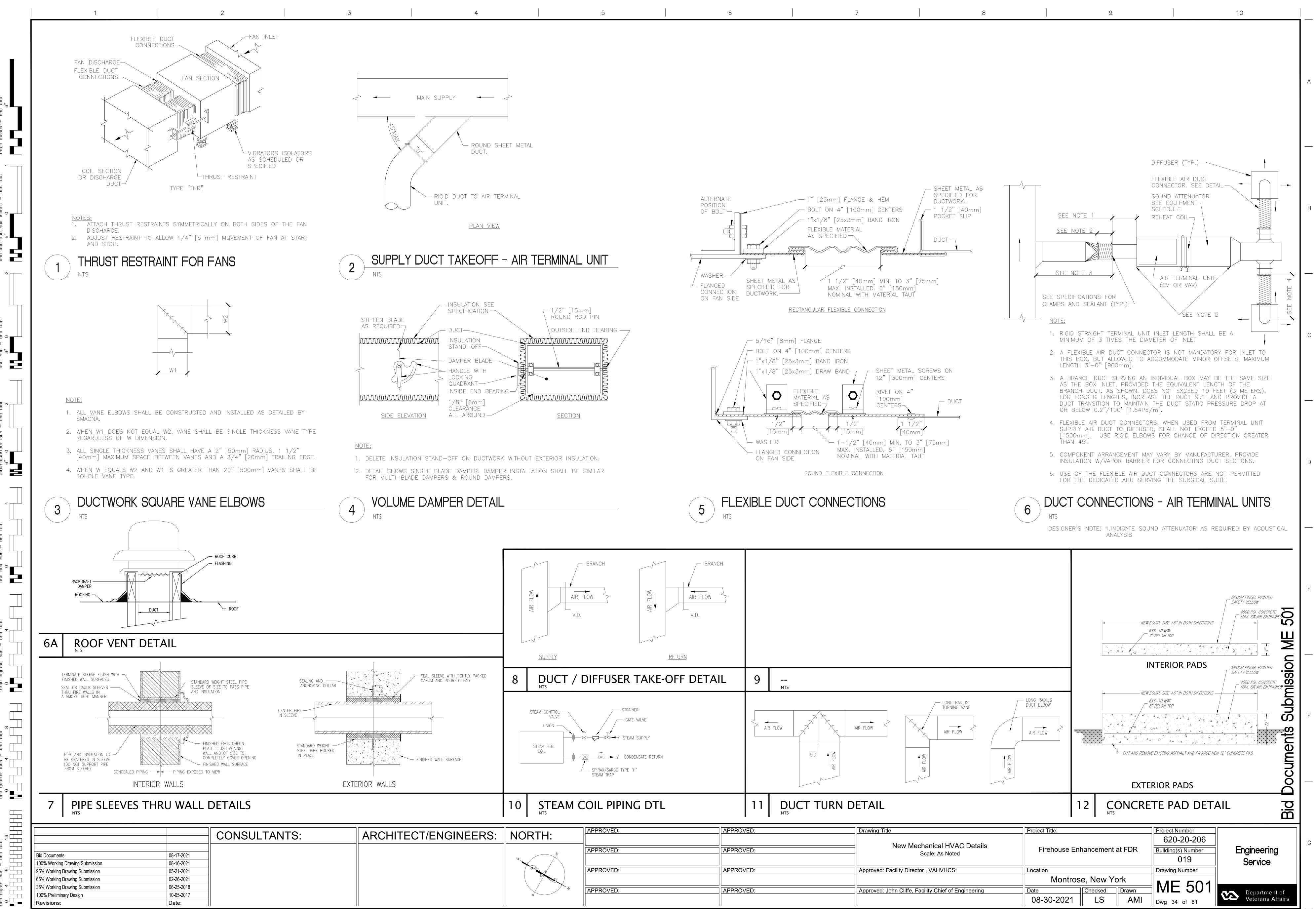
LOAD RATED FASTENERS —		HANGER STRAPS (OR RODS	
BAND OF SAME SIZE AS HANGER	MAX. DUCT Ø IN. [mm]	QUANTITY/SIZE IN. [mm]	MAX. LOAD LBS. [kg]	MAX. SPACING IN. [mm]
STRAP —	26 [650]	ONE 1 [25] x 22 GA STRAP	260 [119]	144 [3600]
50"	36 [900]	ONE 1 [25] x 18 GA STRAP	420 [190]	144 [3600]
[1250mm]ø	50 [1250]	ONE 1 [25] x 16 GA STRAP	700 [317]	144 [3600]
& UNDER	60 [1500]	TWO 3/8 [10]ø. RODS	1320 [598]	144 [3600]
	84 [2100]	TWO 1/2 [13]ø RODS	2500 [1133]	144 [3600]
BAND OVER 50" [1250mm]ø		NOTE: TABULATED DATA FROM S ALLOWS FOR DUCT REIN INSULATION, BUT NO EXT	FORCING AND	

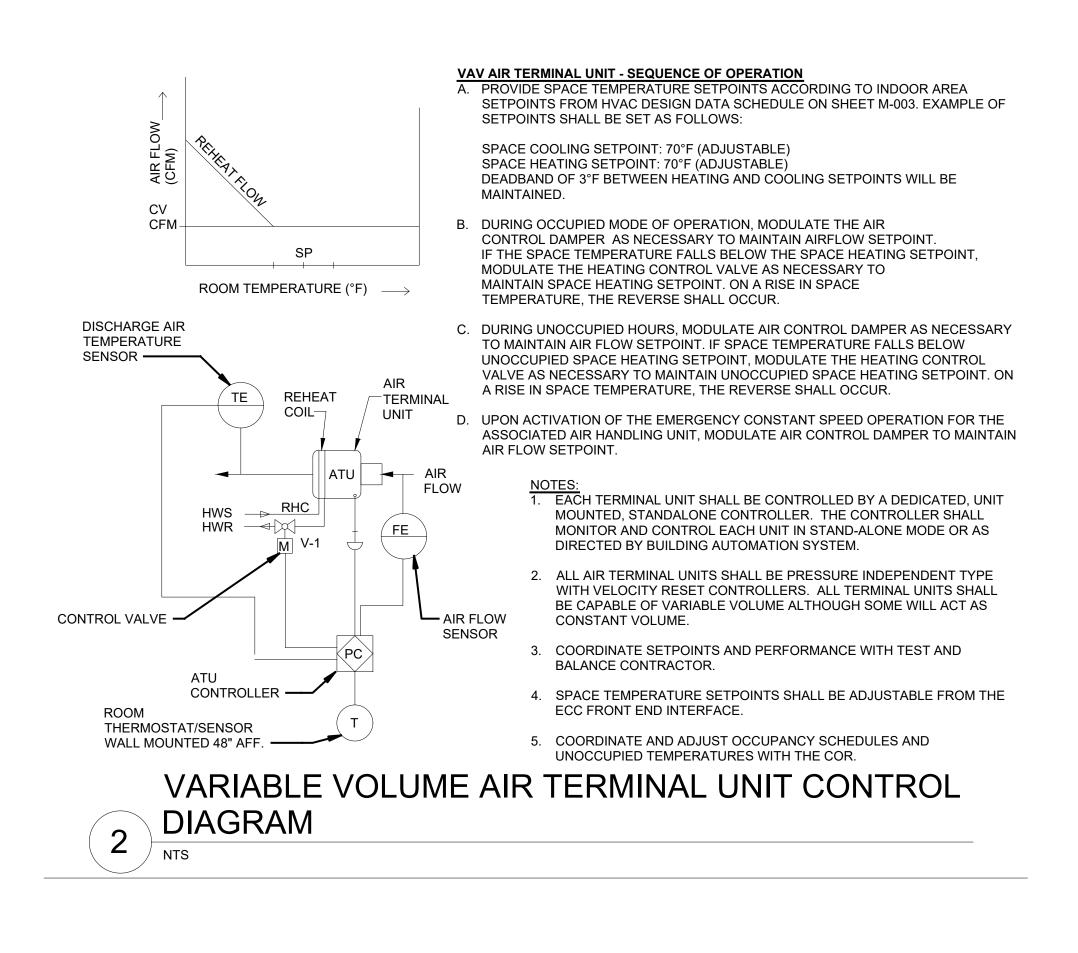
ROUND DUCT HANGERS

									Ċ
	CONCILITANTS:	ADCHITECT/ENGINEEDS:	NODTH:	APPROVED:	APPROVED:	Drawing Title	Project Title	Project Number	1
	CONSULTANTS.	ARCHITECT/ENGINEERS.	NONTH.			Nov. Madagaria d. Ctarra Distribution Dataila		620-20-206	
08-17-2021			*	APPROVED:	APPROVED:		Firehouse Enhancement at FDR	Building(s) Number	Engineering
								019	Service
05-21-2021				APPROVED:	APPROVED:	Approved: Facility Director , VAHVHCS:	Location	Drawing Number	
02-26-2021							Montrose, New York		
06-25-2018			>	APPROVED:	APPROVED:	Approved: John Cliffe, Facility Chief of Engineering	Date Checked Drawn		AA Bonartmont of
10-05-2017 Date:			<i>m</i>				08-30-2021 LS AMI	Dwg 33 of 61	Veterans Affai
	02-26-2021 06-25-2018 10-05-2017	08-16-2021 05-21-2021 02-26-2021 06-25-2018 10-05-2017	08-17-2021 08-16-2021 05-21-2021 02-26-2021 06-25-2018 10-05-2017	08-17-2021 08-16-2021 05-21-2021 02-26-2021 06-25-2018 10-05-2017	CONSULTANTS: ARCHITECT/ENGINEERS: NORTH:	CONSULTANTS: ARCHITECT/ENGINEERS: NORTH:	CONSULTANTS: ARCHITECT/ENGINEERS: NORTH: 08-17-2021 08-16-2021 08-16-2021 08-25-2018 10-05-2017	ARCHITECT/ENGINEERS: NORTH: APPROVED: APPROVED: APPROVED: Approved: Facility Director, VAHVHCS: Location Montrose, New York	CONSULTANTS: ARCHITECT/ENGINEERS: NORTH: OB-17-2021 OB-16-2021 OB-16-2021 OB-20-2021 OB-20-2026 OB-20-2021 OB-20-2021 OB-20-2021 OB-20-2026 O

one eighth inch = one foot

0 4 8 16





					POIN	NT TYPE			S	ETPOINT	S		
POINT TAG	POINT DESCRIPTION	UNITS	BIN	IARY	ANA	ALOG	VIRTUAL	ADJ.	INITIAL	HIGH	LOW	ALARM CONDITION	NOTES
.,			IN	OUT	IN	OUT	VIKTOAL	ADJ.	INITIAL	111011	LOVV		
	OCCUPIED MODE STATUS	ON/OFF											
	UNOCCUPIED MODE STATUS	ON/OFF											
	HUMIDIFICATION MODE STATUS	ON/OFF											
	DEHUMIDIFICATION MODE STATUS	ON/OFF											
	SUPPLY FAN START/STOP	ON/OFF		Х									
C-1	SUPPLY FAN STATUS	ON/OFF	Х									SUPPLY FAN PROOF FAILED	
	SUPPLY FAN SPEED COMMAND	%				Х							
	SUPPLY FAN MINIMUM SPEED SETPOINT	%					X	Χ	50				
	SUPPLY FAN VFD ALARM	ON/OFF	Х										
PSH-1	SUPPLY DUCT PRESSURE SWITCH HIGH LIMIT SAFETY	NORMAL/ALARM	Х					Х	5.0			ALARM	
DD-1	SUPPLY AIR DUCT SMOKE DETECTOR	NORMAL/ALARM	Х									ALARM	
-T-1	SUPPLY AIR FLOW	CFM			X								
	SUPPLY AIR FLOW SETPOINT	CFM					X						
SPS-1	SUPPLY AIR STATIC PRESSURE	IN. W.G.			X							MORE THAN 20% ABOVE OR BELOW SETPOINT	
	SUPPLY AIR STATIC PRESSURE SETPOINT	IN. W.G.					Х	Х	2.0	2.5	1.0		
TT-1	SUPPLY AIR TEMPERATURE	DEG. F			х							MORE THAN 10 DEG F ABOVE OR BELOW SETPOINT	AVERAGING
	SUPPLY AIR TEMPERATURE SETPOINT	DEG. F					Х	Х	55	60	49	3211 31111	
DD-2	SUPPLY AIR DUCT SMOKE DETECTOR	NORMAL/ALARM	Х									ALARM	
-T-3	RETURN AIR FLOW	CFM			Х								
	RETURN AIR FLOW SETPOINT	CFM					х						
TT-4	RETURN AIR TEMPERATURE	DEG. F			Х								
_													
D-2	RETURN AIR DAMPER COMMAND	% OPEN				X							N.O.
ZC-2	RETURN AIR DAMPER POSITION	% OPEN	X										
T-2	OUTSIDE AIR FLOW	CFM			Х							OA FLOW LESS THAN 80% OF SETPOINT	
	OUTSIDE AIR FLOW SETPOINT	CFM					X	Χ	X				PER SCHEDUL
ГТ-2	OUTSIDE AIR TEMPERATURE	DEG. F			Х								
PDS-1	PRE-FILTER 1 DIFFERENTIAL PRESSURE	IN. W.G.			X								
PDS-2	PRE-FILTER 2 DIFFERENTIAL PRESSURE	IN. W.G.			Х								
TT-5	MIXED AIR TEMPERATURE	DEG. F			X							14005 =	AVERAGING
ГТ-6	COOLING COIL LEAVING AIR TEMPERATURE	DEG. F			x							MORE THAN 10 DEG F ABOVE OR BELOW SETPOINT	AVERAGING
HCV-1	PREHEAT STEAM CONTROL VALVE COMMAND	% OPEN				Х						321. 3111	N.O.

19-AHU-01 - SEQUENCE OF OPERATION

1. GENERAL

a. 19-AHU-01 SHALL BE STANDALONE AND SHALL OPERATE WITH STANDALONE BACNET CONTROLS. UNIT SHALL BE STARTED AND STOPPED BY THE DIRECT DIGITAL CONTROL PANEL (DCP). DCP SHALL BE CAPABLE OF BEING CONNECTED TO FUTURE ENGINEERING CONTROL CENTER (ECC) AND ME MONITORED AND CONTROLLED VIA BACNET CONTROLS.

b. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF COMPLETE HVAC CONTROLS SYSTEM TO VA COR FOR APPROVAL.

c. INTERLOCK THE AIR HANDLING UNIT SYSTEM WITH THE EXISTING FIRE ALARM SYSTEM.

d. ALL DIRECT DIGITAL CONTROL PANELS (DCP) SHALL BE FED FROM AN EMERGENCY POWER

2. RUN CONDITION

a. <u>COOLING MODE:</u> IF SPACE TEMPERATURE IS ABOVE THE COOLING SETPOINT, ENTER COOLING MODE UNTIL TEMPERATURE FALLS BELOW SETPOINT MINUS A 2°F DEADBAND.

b. <u>HEATING MODE:</u> IF SPACE TEMPERATURE IS BELOW THE HEATING SETPOINT, ENTER HEATING MODE UNTIL TEMPERATURE RISES ABOVE SETPOINT PLUS A 2°F DEADBAND.

3. AIR FLOW CONTROL

a. THE SUPPLY AIR FLOW SHALL BE CONTROLLED BY THE DCP AND MODULATE THE SUPPLY FAN VARIABLE FREQUENCY DRIVE (VFD) SPEED TO MAINTAIN A SPACE TEMPERATURE SETPOINT, AS MEASURED BY FREQUENCY DRIVE (VFD) SPEED TO MAINTAIN A SPACE TEMPERATURE SETPOINT, AS MEASURED BY FREQUENCY DRIVE (VFD) SPEED TO MAINTAIN A SPACE TEMPERATURE SETPOINT, AS MEASURED BY TEMPERATURE SENSORS LOCATED IN THE SPACE. WHEN MULTIPLE SENSORS ARE INDICATED, POLL ALL SENSORS AND CONTROL TO THE MOST DEMANDING READING.

4. TEMPERATURE CONTROL

a. SUPPLY AIR TEMPERATURE, SENSED BY TT-1, SHALL BE MAINTAINED AT SETPOINT (55 DEG

b. A FIXED VOLUME OF OUTSIDE AIR FLOW SHALL BE MAINTAINED AT 20% (600 CFM) AT ALL

F.) VIA DIGITAL CONTROL PANEL WHILE MINIMIZING THE FAN SPEED.

7. SMOKE CONTROL AUTOMATIC SHUTDOWN/RESTART

a. WHEN SMOKE IS DETECTED BY ANY ASSOCIATED DUCT MOUNTED SMOKE DETECTOR, THE SUPPLY FAN AND INTERLOCKED RETURN/EXHAUST FAN(S) SHALL SHUT "OFF", AN ALARM SIGNAL SHALL BE TRANSMITTED TO THE FIRE ALARM SYSTEM.

b. SUPPLY FAN(S) SHALL AUTOMATICALLY RESTART WHEN FIRE ALARM CIRCUIT IS RESET.

8. <u>EMERGENCY CONSTANT SPEED OPERATION</u>

a. UPON FAILURE OF SUPPLY FAN VFD(S), THE SUPPLY FAN(S) SHALL BE STARTED/STOPPED MANUALLY AT THE DCP AND ECC THROUGH A BY-PASS STARTER. ACTIVATION OF CONSTANT SPEED OPERATION SHALL CAUSE THE SUPPLY FAN(S) TO OPERATE AT CONSTANT SPEED.

a. HIGH PRESSURE LIMIT: THE DCP, USING HIGH PRESSURE LIMIT SWITCH PSH-1 LOCATED AT THE SUPPLY FAN DISCHARGE, SHALL PREVENT THE SUPPLY FAN(S) FROM DEVELOPING OVER 4 IN. W.G. OF POSITIVE STATIC PRESSURE (FIELD ADJUSTABLE). IF STATIC PRESSURE AT PSH-1 DOES EXCEED 4 IN. W.G., THE SWITCH WILL OVERRIDE ALL CONTROLS AND SHUT DOWN THE SUPPLY FAN(S), AND A "HIGH PRESSURE" ALARM SIGNAL SHALL BE INDICATED AT THE DCP AND ECC. PSH-1 SHALL BE HARDWIRED TO THE SUPPLY FAN VFD(S) AND UNIT SHALL BE SHUTDOWN IN HAND, AUTO, OR BYPASS MODE. PSH-1 WILL REQUIRE MANUAL RESET AT THE DEVICE.

b. FILTER STATUS: THE DCP SHALL MONITOR AND INDICATE THE DIFFERENTIAL PRESSURE ACROSS EACH AIR HANDLING UNIT FILTER SECTION. PROGRAM A HIGH LIMIT SETPOINT FOR EACH FILTER SECTION IN ACCORDANCE WITH FILTER MANUFACTURER'S RECOMMENDATION. IF THE DIFFERENTIAL PRESSURE ACROSS A FILTER SECTION IS GREATER THAN THE HIGH LIMIT SETPOINT, THE DCP AND ECC SHALL REPORT A FILTER MAINTENANCE ALARM WITH MESSAGE INDICATING THAT THE FILTER NEEDS TO BE

Project Number

620-20-206

ME 502

Building(s) Number

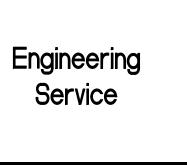
Drawing Number

Bid Do

CONSULTANTS: 08-17-2021 Bid Documents 100% Working Drawing Submission 08-16-2021 95% Working Drawing Submission 05-21-2021 02-26-2021 65% Working Drawing Submission 35% Working Drawing Submission 06-25-2018 100% Preliminary Design 10-05-2017

ARCHITECT/ENGINEERS: NORTH:

PPROVED:	APPROVED:	Drawing Title	Project Title		
PPROVED:	APPROVED:	New Mechanical HVAC Controls Information Scale: As Noted	Firehouse Ent	nancement a	at FDR
PPROVED:	APPROVED:	Approved: Facility Director , VAHVHCS:	Location		
			Montros	e, New Yo	ork
PPROVED:	APPROVED:	Approved: John Cliffe, Facility Chief of Engineering	Date	Checked	Drawn
			08-30-2021	LS	AMI



Department of Veterans Affairs

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ROUNI	O FLOOR										
DOM #	ROOM NAME	FLOOR AREA	ROOM VOLUME	REQ'D AC/HR		DESIGN AIR VELOCITY	REQ'D AREA of DUCT	REQ'D AREA of DUCT	R^2	R	REMARKS
		SQ. FT.	CU. FT.	7.07.11.		FT./MIN.	SQ. FT.	SQ. IN.			
01	COMMINICATIONS ROOM	140	1,104 CU. FT.	12	224	600	.38	54	17	4	_
01A	CHIEF OFFICE	125 SQ. FT.	1.016 CU. FT.	6	100	600	.17	24	37	6	_
02	COMMUNITY ROOM	600 SQ. FT.	5,913 CU. FT.	6	480	600	.80	115.20	8	3	_
03	STAFF KITCHEN	120 SQ. FT.	1,089 CU. FT.	6	96	600	.16	23.04			N.I.C.
04	W. SHOWER ROOM	28 SQ. FT.	224 CU. FT.								N.I.C.
05	W. TOILET	28 SQ. FT.	224 CU. FT.								N.I.C.
06	M. TOILET	35	280								N.I.C.
07	M. SHOWER ROOM	SQ. FT.	CU. FT.								N.I.C.
08	FIRE DEPT. GARAGE	SQ. FT.	CU. FT. 33,592								N.I.C.
09	LAUNDRY/EQIUIP	SQ. FT.	CU. FT. 3,289		352	600	.59	84.48	27	5	_
09A	ROOM ELEC. PANEL	SQ. FT.	CU. FT.	_	_	_	_	_			-
10	CLOSET AMBULANCE BAY	SQ. FT. 280	CU. FT. 3,640	_	_	_	_	_			_
11	BUNK 01	SQ. FT.	CU. FT.	6	100	600	.17	24	8	3	
12	BUNK 02	SQ. FT.	CU. FT.	6	100	600	.17	24	8	3	
13	BUNK 03	SQ. FT.	CU. FT.	6	100	600	.17	24	8	3	_
14	BUNK 04	SQ. FT.	CU. FT. 1,032	6	104	600	.17	24.96	8	3	_
15	BUNK 05	SQ. FT.	CÚ. FT. 1,096		104	600	.17	24.96	8	3	_
16	CHIEF BUNK	SQ. FT.	CÚ. FT.		104	600	.17	24.96	15	4	-
16A	TELECOMMINUCATION	SQ. FT.	CU. FT.	-			. , ,	21.00	10	3	
16B	CLOSET STEAM PIT CLOSET	SQ. FT.	CU. FT.						10		
		SQ. FT.	CU. FT.								
16C	FIRE SPRINKLER CLOSET	24 SQ. FT.	240 CU. FT.		100	200	47	24.22	4.0	7	
17	BUNK 06	133 SQ. FT.	1,064 CU. FT.		100	600	.17	24.96	10	3	_
18	BUNK 07	124 SQ. FT.	992 CU. FT.		100	600	.17	24	8	3	_
19	BUNK 08	125 SQ. FT.	1,000 CU. FT.	6	100	600	.17	24	8	3	
20	NEW STORAGE	230 SQ. FT.	2,300 CU. FT.								N.I.C.
21	NEW M & R GARAGE	SQ. FT.	CU. FT.								N.I.C.
22	EXISTING TRANSFORMER RM.	184 SQ. FT.	2,392 CU. FT.								N.I.C.
C01	CORRIDOR A	103 SQ. FT.	824 CU. FT.	6	92	600	.15	22.08	8	3	_
C02	CORRIDOR B	58 SQ. FT.	464 CU. FT.	6	60	600	.10	14.40	6	2	_
C03	CORRIDOR C	108 SQ. FT.	864 CU. FT.	6	80	600	.13	19.20	8	3	_
C04	CORRIDOR D	146 SQ. FT.	536 CU. FT.	6	104	600	.17	24.96	8	3	_
C05	CORRIDOR E	90 SQ. FT.	720 CU. FT.	6	92	600	.15	22.08	8	3	_
	TOTAL	6,327 SQ. FT.	70,111 CU. FT.		2,592						

HVAC EQUIPMENT SCHEDULE - VAV AIR TERMINAL UNIT SCHEDULE

GROUND FLOOR

TAG #	NOMINAL SIZE	AREA SERVED	AIR FLOW MAX.	DESIGN AIR FLOW	MAX. PRESSURE DROP	CONTROL TYPE	CONTROL SEQUENCE	VOLT. FOR ELEC. HEAT COIL	POWER (KW) FOR	AMP. FOR ELEC. HEAT COIL	REMARKS
	(IN.)								ELEC. HEAT COIL		
VAV-01	4"	BUNK 3	229	100	.25 INWG	DDC	VAV	208-1-60	1	4.8	WITH ELECTRIC REHEAT
VAV-02	4"	BUNK 4	229	100	.25 INWG	DDC	VAV	208-1-60	1	4.8	WITH ELECTRIC REHEAT
VAV-03	4"	BUNK 5	229	100	.25 INWG	DDC	VAV	208-1-60	1	4.8	WITH ELECTRIC REHEAT
VAV-04	4"	TELE. CL. RM.16A	229	125	.25 IN.—WG	DDC	VAV	208-1-60	1	4.8	WITH ELECTRIC REHEAT
VAV-05	5"	CHIEF BUNK /OFFICE RM. 16	515	225	.25 IN.—WG	DDC	VAV	208-1-60	2	9.6	WITH ELECTRIC REHEAT
VAV-06	5"	CORR. CDE	515	200	.25 INWG	DDC	VAV	208-1-60	2	9.6	WITH ELECTRIC REHEAT
VAV-07	4"	BUNK 6	229	120	.25 IN.—WG	DDC	VAV	208-1-60	1	4.8	WITH ELECTRIC REHEAT
VAV-08	5"	COMM. RM. 01	515	225	.25 IN.—WG	DDC	VAV	208-1-60	2	9.6	WITH ELECTRIC REHEAT
VAV-09	4"	BUNK 8	229	125	.25 IN.—WG	DDC	VAV	208-1-60	1	4.8	WITH ELECTRIC REHEAT
VAV-10	4"	BUNK 7	229	100	.25 IN.—WG	DDC	VAV	208-1-60	1	4.8	WITH ELECTRIC REHEAT
VAV-11	4"	BUNK 2	229	100	.25 INWG	DDC	VAV	208-1-60	1	4.8	WITH ELECTRIC REHEAT
VAV-12	4"	BUNK 1	229	100	.25 INWG	DDC	VAV	208-1-60	1	4.8	WITH ELECTRIC REHEAT
VAV-13	6"	COMM. RM. 02, KITCHEN RM. 03, & CORR. AB	916	580	.25 IN.—WG	DDC	VAV	208-1-60	4	19.25	WITH ELECTRIC REHEAT
VAV-14	5"	LAUNDRY/UTILITY	916	350	.25 IN.—WG	DDC	VAV	208-1-60	2	9.6	WITH ELECTRIC REHEAT

ALL AIR TERMINAL UNITS SHALL BE PRESSURE INDEPENDENT TYPE WITH VELOCITY RESET CONTROLLER.
PROVIDE WITH ARI 880 RATED MAXIMUM DAMPER LEAKAGE OF 2% NOMINAL AIRFLOW AT 3 IN. W.G. INLETS

STATIC PRESSURE.

- INSTALL UNIT WITH CLEARANCE FOR ELECTRICAL AND MAINTAINANCE ACCESS. PROVIDE CEILING PANEL
- ACCESS WHERE NEEDED FOR ACCESS TO UNIT.
- PROVIDE SPACE PRESSURE CPMTRPLLER AMD DISPLAY, PRESSURE DIFFERENTIAL SENSORS, AND INTERLOCKS TO MAINTAIN REQUIRED SPACE PRESSURE DIFFERENTIAL. SEE CONTROLS SHEET.
 PROVIDE A STANDALONE DDC CONTROLS SYSTEM WITH THE CAPABILITY TO BE CONNECTED TO A BMS
- SYSTEM IN THE FUTURE.
- SUSPEND VAV UNITS ABOVE ACCOUSTICAL CEIINGS FROM THE BUILDINGS STRUCTURE AS PER
- MANUFACTURER'S INSTALLATION IINSTRUCTIONS. BASIS OF DESIGN: CARRIER AXIS 35E SINGLE DUCT TERMINALS.

	AG #	LOCATION	UNIT SERVED	COOLING A	MBIENT TEMP. (°F)	SUCTION TEMP. (°F)	ELECTRIC VOLT./PH/HZ	COMPRESS. NO./RLA (EA)	COND. FAN NO./FLA	MCA MO	MODEL/MANUFACTURER		APPROX. UNIT WT. (LBS.)		REMARKS BASIS OF DESIGN AS LISTED. O DEGREES F° LOW AMBIENT CONTROL. 6" HIGH CONCRETE PAD,
,	CC-01	PAD MTD. Parking side	AHU-01	123.8	95	39.2	208/3/60	2/22.4	2/3	60.80 80	CARRIER 38AUD14A0AS-0A-0-C-0	60"x46"x50"	654	11.5	DICONNECT SWITCH, GFI CONVENIENCE OUTLET, INTERLOCK WITH AHU—

HVAC EQUIPMENT SCHEDULE - AIR HANDLING UNIT SCHEDULE

GROUND FLOOR

	GENERAL							DX COOLING								SU	PPLY FAN	DATA		DIMENSIONS	APPROX. UNIT	ELECTRICAL	REMARKS	
				INFORMATI	ION																$(L \times W \times H)$	(== /	(' / ' ' ' / ' ' - /	
	TAG #	AREA SERVED	LOCATION	MFG'R	MODEL NO.	. SUPPLY CFM	OUTSIDE AIR	MAKE	MODEL	COOLING	COOLING	EADB	EAWB	LADB	LAWB	MAKE	MODEL	OUTPUT	EAT		7'-10" x	787	208/3/60	PROVIDE SUPPORT TO HANG AHU FROM UNDERSIDE OF ROOF DECK. SUPPORT ASSEMBLY SHALL
	,,						CFM			(TMBH)	(SMBH)	(DEG. F)	(DEG. F)	(DEG. F)	(DEG. F)			(MBH)	(DEG. F)		4'-3"x 2'-5"		, ,	HAVE VIBRATION ISOLATORS PER MANUFACTURER'S RECOMMENDATION. DISCONNECT SWITCH,
P	.HU-01	FIREHOUSE	LAUNDRY	CARRIER	39LA06	3,000	600	CARRIER	28NE	131	89	82	68	55	54	CARRIER	28LZ	106	53	86				DOUBLE WALL CONSTRUCTION WITH PERFORATED INNER WALL FOR FAN SECTION, ACCESS DOORS, AND HIGH EFFICIENCY MOTORS, VFD. PROVIDE 2—WAY CONTROL VALVES AND THERMOSTATS.
		QUARTERS	UTILITY ROOM	1		·																		, , , , , , , , , , , , , , , , , , , ,

HVAC EQUIPMENT SCHEDULE - STEAM TRAP SCHEDULE

GROUND FLOOR

TAG #	LOCATION	UNIT SERVED	EQUIP. DEMAND (#/HR)	EQUIP. PRESSURE (PSI)	PIPE CONNECTION SIZE	REMARKS
ST-1	LAUNDRY ROOM UTILITY ROOM	AHU-01	115	5	1 ½" INLET	SPIRAX—SARCO BELL FLOAT—THERMOSTATIC TYPE "H"



										KEY PL	LAN <u> </u>
		CONSULTANTS:	ARCHITECT/ENGINEERS:	NORTH:	APPROVED:	APPROVED:	Drawing Title	Project Title		Project Number	
		CONSOLIANTS.	AICHILOT/LINGINLLING.	INOIXIII.			New HVAC Schedules			620-20-206	
	20.17.000				APPROVED:	APPROVED:	Ground Floor	Firehouse Er	Firehouse Enhancement at FDR		Engineering
Bid Documents	08-17-2021	_		6			Scale: N.T.S.			019	Service
100% Working Drawing Submission	08-16-2021	4			ADDDOVED.		Approved Facility Director VALIVILOS	Lagation			
95% Working Drawing Submission	05-21-2021	4			APPROVED:	APPROVED:	Approved: Facility Director , VAHVHCS:	Location		Drawing Number	
65% Working Drawing Submission	02-26-2021	4						Montro	se, New York		
35% Working Drawing Submission	06-25-2018	4			APPROVED:	APPROVED:	Approved: John Cliffe, Facility Chief of Engineering	Date	Checked Drawn	ME 600	Department of
100% Preliminary Design	10-05-2017	_		7				08-30-2021	AMI AMI] During 20 of 04	Veterans Affairs
Revisions:	∣Date:							00 00 2021	/ \(\vert \) / \(\vert \) \(\vert \)	Dwg 36 of 61	

GENERAL NOTES: ELECTRICAL CONTRACTING OFFICER A CERTIFICATE OF COMPLIANCE FROM THE NY BOARD **GENERAL ABBREVIATIONS: ELECTRICAL SYMBOLS** ALL EQUIPMENT INDICATED TO BE DEMOLISHED, REMOVED, OR REPLACED SHALL OF FIRE UNDERWRITERS FOR ALL ELECTRICAL WORK PERFORMED AS PART OF BE DISPOSED OF BY THE VENDOR OR RETAINED BY THE GOVERNMENT AS LEGEND: THIS CONTRACT. DIRECTED BY THE CONTRACTING OFFICER UNLESS OTHERWISE INDICATED IN DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT ABOVE THE DRAWINGS OR SPECIFICATIONS. AUTOMATIC DOOR OPENER OF SYSTEMS AND WORK. FOLLOW DRAWING IN LAYING OUT WORK AND ADO THE CONTRACTOR SHALL LABEL ALL CIRCUITS IN J BOXES AND ON THE COVERS EXISTING SINGLE POLE TOGGLE SWITCH. CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS. AIR CONDITIONING OF "J" BOXES. THIS SHALL BE COMPLETED AND LABELED WITH VOLTAGE. CONTRACTOR SHALL DETERMINE AND INCLUDE IN THE WORK, ALL FIELD MAINTAIN HEADROOM AND SPACE CONDITIONS. IN ADDITION THE A.C.T ACOUSTICAL CEILING TILE AMPERAGE. CIRCUIT NUMBER. PANEL AND BREAKER NUMBER AND WHETHER CONDITIONS TO INCLUDE AND NOT LIMITED TO: PHYSICAL INTERFERENCE EXISTING DOUBLE POLE TOGGLE SWITCH. SYMBOLS LEGEND MAY NOT UTILIZE ALL SYMBOLS AS SHOWN. AMPERE FRAME THE CIRCUIT IS A NORMAL, EMERGENCY, CRITICAL, OR OTHER CIRCUIT. EQUIPMENT TO BE MOVED, EQUIPMENT TO BE ELECTRICALLY DISCONNECTED A.F.F. ABOVE FINISHED FLOOR RELOCATED AND ELECTRICALLY RECONNECTED; CONDUIT, BOXES AND CABLES EXISTING THREE-POLE TOGGLE SWITCH EXACT LOCATIONS OF ALL LIGHTING FIXTURES, DEVICES, SECURITY A.H.U. AIR HANDLING UNIT 29. THE CONTRACTOR SHALL LABEL ALL CIRCUITS IN THE PANEL, BOX AND EDIT THE TO BE CUT, REMOVAL AND RELOCATION OF LIGHTS, RECEPTACLES, SWITCHES, DEVICES, CAMERA, MONITORS, RECEPTACLES, OUTLETS, AND THE LIKE AL./ALUM. -ALUMINUM PANEL LABEL ACCORDINGLY. THE CONTRACTOR SHALL PROVIDE A NEW TYPED ABANDONED DEVICES, ALL AT NO ADDITIONAL COST TO THE GOVERNMENT EXISTING SINGLE POLE TOGGLE SWITCH W/ SHALL BE AS INDICATED ON ARCHITECTS DRAWINGS. REFER TO **APPROXIMATE** APPROX. PANEL DIRECTORY (4 COPIES) AS APPROVED BY THE CONTRACTING OFFICER. UNLESS OTHERWISE NOTED, ABANDONED CONDUIT SCHEDULED TO BE DUPLEX RECEPTACLE. ARCHITECTS DWGS. FOR DIMENSIONED LOCATIONS. AMPERE TRIP THE CONTRACTOR SHALL SUPPLY TO THE VA CONTRACTING OFFICER, PRIOR TO REMOVED SHALL BE REMOVED BACK TO THE PANEL. ATS **AUTOMATIC TRANSFER SWITCH** FINAL PAYMENT, A COMPLETE "AS BUILT" DRAWING, 30" BY 42", INDICATING ALL EXISTING SINGLE POLE RECEPTACLE 12" A.F.F. INSTALL AND/OR RELOCATE PASS RACEWAYS OVER WATER, STEAM OR **AVERAGE** NEW WORK; TO INCLUDE ALL NEW CIRCUITS (POWER AND CONTROL), BOXES, THE CONTRACTOR IS RESPONSIBLE FOR ALL FINAL CONNECTIONS FROM ANY OTHER PIPING WHEN PULL BOXES ARE NOT REQUIRED. NO RACEWAY BARE COPPER DEVICES, PANEL DIRECTORY, LIGHTS, HOME RUNS, SWITCHING NEW FIRE ALARM DEVICE CALLED FOR ON DRAWING. THIS RESPONSIBILITY EXISTING SINGLE POLE RECEPTACLE 8'-0" WITHIN 3 INCH OF STEAM OR HOT WATER PIPES, OR APPLIANCES, BOILER PLANT INSTRUMENTATION PANEL CONNECTIONS TO EXISTING BOXES, AND ETC. SHALL INCLUDE CONNECTION TO F.A.C.P. TO ACCOMMODATE ALL F.A. DEVICES. EXCEPT CROSSINGS WHERE RACEWAY SHALL BE AT LEAST 1 INCH CONDUIT FOR ALL WORK INVOLVING FIRE ALARM SYSTEM, COORDINATE WITH COTR. ALL BLANK PIPE COVER. CLOSED CIRCUIT T.V. 31. THE CONTRACTOR SHALL TURN OVER TO THE CONTRACTING OFFICER AND WORK ON THE FIRE SYSTEM MUST BE BY AN O.E.M. APPROVED INSTALLER EXISTING DUPLEX RECEPTACLE 12-18" A.F.F. CB, C/B CIRCUIT BREAKER PROVIDE ALL CATALOGS, OPERATING INSTRUCTIONS, MAINTENANCE MANUALS RETAINED BY THE GENERAL CONTRACTOR. CUT CONDUIT ENDS SQUARE, REAM SMOOTH. PAINT MALE THREADS OF CKT BKR FOR ANY SYSTEM. EXISTING DUPLEX RECEPTACLE 48"-96" A.F. CIRCUIT FIELD THREADED RACEWAYS WITH GRAPHITE BASE PIPE COMPOUND. CKT THE CONTRACTOR SHALL MAINTAIN THE EXISTING FIRE ALARM SYSTEM IN DRAW UP TIGHT WITH RACEWAY COUPLING. CEILING OPERATION AT ALL TIMES. DURING ALL PHASES OF THE PROJECT. SHOULD THE 32. ALL RECEPTACLES SHALL BE HOSPITAL GRADE "GREEN DOT", 20 AMP OR AS EXISTING DEDICATED DUPLEX RECEPTACLE 18" ONCRETE MASONRY UNIT SPECIFIED ELSEWHERE IN THE DRAWINGS AND SPECIFICATIONS. CONTRACTOR, FOR ANY REASON, RENDER ANY DEVICE INOPERABLE OR CAUSE LEAVE WIRES WITH SUFFICIENT SLACK TO PERMIT MAKING FINAL DIRECT BURIAL ANY DAMAGE TO THE SYSTEM WHATSOEVER, THE CONTRACTOR SHALL CONNECTIONS. RACEWAY OVER 10 FT LONG IN WHICH WIRING IS NOT DRAWING 33. ALL SWITCHES SHALL BE MINIMUM OF HEAVY DUTY INDUSTRIAL TYPE, 20 AMP OR IMMEDIATELY NOTIFY THE VA FIRE STATION. THE VA FIRE STATION WILL EXISTING DUPLEX RECEPTACLE WITH FAN INSTALLED: FURNISH FISH WIRE. **DUMB WAITER** AS SPECIFIED ELSEWHERE IN THE DRAWINGS AND SPECIFICATIONS. IMMEDIATELY CONTACT AUTHORIZED FIRE ALARM VENDORS TO MAKE RECEPTACLE 96" A.F.F. EMPTY CONDUIT IMMEDIATE REPAIRS TO THE SYSTEM. THE CONTRACTOR SHALL BE **EQUIPMENT GROUND** SET BOXES SQUARE AND TRUE WITH BUILDING FINISH. ERECT WALL ALL EQUIPMENT INDICATED TO BE DEMOLISHED, REMOVED, OR REPLACED RESPONSIBLE FOR ALL COST FOR THE REPAIRS AT NO ADDITIONAL COST TO THE EXISTING DUPLEX RECEPTACLE WITH FAN AND SWITCH OUTLETS IN ADVANCE OF FURRING AND FIRE PROOFING. **EXPANSION JOINT** SHALL BE DISPOSED OF BY THE VENDOR OR RETAINED BY THE GOVERNMENT AS GOVERNMENT. RECEPTACLE 96" A.F.F. AND SINGLE POLE SECURE TO BUILDING STRUCTURE BY ADJUSTABLE STRAP IRONS. ELECTRIC DIRECTED BY THE CONTRACTING OFFICER UNLESS OTHERWISE INDICATED IN TOGGLE SWITCH. ELEV. **ELEVATOR** THE DRAWINGS OR SPECIFICATIONS. 12. THE CONTRACTOR SHALL BOND ALL EQUIPMENT DEVICES, BACK BOXES VERIFY LOCATIONS OF FIXTURES, DEVICES, IN FINISHED AREAS WITH **EMERG EMERGENCY** JUNCTION BOXES, SPLICE AND PULL BOXES TO THE GROUNDING CONNECTOR EXISTING DUPLEX RECEPTACLE 12" A.F.F. W/ ARCHITECTURAL DRAWINGS OF INTERIOR DETAILS AND FINISH. IN **EQPM EQUIPMENT** 35. CONTRACTOR SHALL DETERMINE AND INCLUDE IN THE WORK ALL FIELD FAN RECEPTACLE 8'-0" A.F.F. AND SINGLE CENTERING OUTLETS AND DEVICES, ALLOW FOR OVERHEAT PIPES, EXP, XP **EXPANSION PROOF** CONDITIONS TO INCLUDE AND NOT LIMITED TO: PHYSICAL INTERFERENCE, CONTRACTOR SHALL PROVIDE SCHEDULE TO CONTRACTING OFFICER FOR POLE TOGGLE SWITCH. DUCTS AND MECHANICAL EQUIPMENTS, VARIATIONS IN FIREPROOFING EXT. **EXTERIOR** EQUIPMENT TO BE MOVED, EQUIPMENT TO BE ELECTRICALLY DISCONNECTED APPROVAL FOR WORK IN CRITICAL AREAS. PRIME AND OVERTIME SHALL BE AT AND PLASTERING, WINDOW AND DOOR TRIM, PANELING, HUNG CEILINGS **EXTG EXISTING** RELOCATED AND ELECTRICALLY RECONNECTED; CONDUIT, BOXES AND CABLES NO ADDITIONAL COST TO VA. EXISTING TV DUPLEX RECEPTACLE 8'-0" A.F.F. AND THE LIKE. CORRECT ANY INACCURACY RESULTING FROM FAILURE **EWC** ELECTRIC WATER COOLER TO BE CUT, REMOVAL AND RELOCATION OF LIGHTS, RECEPTACLES, SWITCHES, TO DO SO WITHOUT EXPENSE TO OWNER. FIRE ALARM MISC. SYMBOLS LEGEND: ABANDONED DEVICES, ALL ABANDONED CONDUIT, UNLESS OTHERWISE NOTED, EXISTING BLANK COVER AT 12"-18" A.F.F. FIRE ALARM CONTROL PANEL SHALL BE REMOVED BACK TO IT'S DESIGNATED PANEL. LOCATIONS INDICATED FOR LOCAL WALL SWITCHES ARE SUBJECT TO PARTITION DESIGNATION AND TYPE: FCU FAN COIL UNIT EXISTING BLACK RECEPTACLE 48"-96" A.F.F. MODIFICATIONS AT OR NEAR DOORS. COORDINATE WITH THE F.D. FLOOR DRAIN 36. THE CONTRACTOR SHALL BOND ALL EQUIPMENT DEVICES, BACK BOXES, ARCHITECT AND INSTALL SWITCH ON SIDE OPPOSITE HINGE. VERIFY TILE FILM ILLUSTRATOR JUNCTION BOXES, SPLICE AND PULL BOXES TO THE GROUNDING CONNECTOR. EXISTING BLANK DOUBLE DUPLEX FINAL HINGE LOCATIONS IN FIELD PRIOR TO SWITCH OUTLET FIXT FIXTURE RECEPTACLE 12-18" A.F.F. MASONRY INSTALLATION. FLUOR FLUORESCENT CONTRACTOR SHALL PROVIDE SCHEDULE TO CONTRACTING OFFICER FOR FLAME SAFEGUARD CONTROL SWITCH APPROVAL FOR WORK IN CRITICAL AREAS. PRIME AND OVERTIME SHALL BE AT **EXISTING DOUBLE DUPLEX RECEPTACLE 12-18"** FOR EMPTY RACEWAY RUNS, PROVIDE PULL BOXES EVERY 100 FT AS CONCRETE NO ADDITIONAL COST TO VA. FSS **FUSED SAFETY SWITCH** INDICATED. COORDINATE LOCATIONS WITH OTHER TRADES. GEN. GENERATOR GYPSUM GROUND FAULT INTERUPTER THE CONTRACTOR SHALL PERFORM ALL ELECTRICAL WORK IN ACCORDANCE EXISTING DATA/TELECOMMUNICATION OUTLET. SUPPORT PANEL, JUNCTION AND PULL BOXES INDEPENDENTLY TO GROUND WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE, VA TILE BLOCK BUILDING STRUCTURE WITH NO WEIGHT BEARING ON RACEWAYS. **GROUND TERMINAL BOX** SPECIFICATIONS, FEDERAL, STATE AND LOCAL LAWS, REGULATIONS NEW SINGLE POLE TOGGLE SWITCH. GYPSUM GUIDELINES AND ORDINANCES. PLASTER ALL ACCESS DOOR LOCATIONS SHALL BE REVIEWED BY ARCHITECT GYPSUM WALL BOARD NEW MULTIPLE POLE TOGGLE SWITCH PRIOR TO INSTALLATION. HEATING AIR CONDITION REFRIGERATION MINIMUM SIZE OF CONDUIT SHALL BE 3/4" COUPLINGS AND CONNECTORS SHALL HANDHOLE BE GLAND/RING COMPRESSION TYPE ONLY. ALL CONNECTORS SHALL CONTAIN NEW SINGLE POLE TOGGLE SWITCH WITH CONNECT CONDUIT TO MOTOR CONDUIT TERMINAL BOXES WITH **HOLLOW METAL** INTEGRAL INSULATED NYLON BUSHINGS. OCCUPANCY SENSOR. FLEXIBLE CONDUIT; MINIMUM 18 IN. IN LENGTH AND 50% SLACK. DO NOT **CEILING HEIGHT AND TYPE:** HAND OFF AUTOMATIC TERMINATE IN OR FASTEN RACEWAYS TO MOTOR FOUNDATION. HOURSE POWER 40. ALL NEW CIRCUITS SHALL HAVE A SEPARATE GREEN GROUND CONDUCTOR. NEW SINGLE POLE RECEPTACLE. (LAT•9'-0") LAY-IN ACOUSTICAL TILE HEIGHT PROPERLY SIZED PER THE NEC, OR AS SPECIFIED. IN EXISTING CIRCUITS, A NEW FIRE PROTECTED METAL NUMBERS NEXT TO RECEPTACLE AND HOMERUN SYMBOLS INDICATED HIGH VOLTAGE GROUND SHALL BE INSTALLED IF GROUND IS NON EXISTING. NEW SINGLE POLE FAN RECEPTACLE 8'-0" S•9'-0") CONCEALED SPLINE CIRCUIT NUMBERS. THESE NUMBERS ARE FOR GROUPING OF OUTLETS INCH -A.F.F. W/ SINGLE POLE TOGGLE SWITCH 4'-0" CONCRETE INTO CIRCUITS ONLY. THEY DO NOT CORRESPOND TO ACTUAL CIRCUIT INCANDESCENT MINIMUM SIZE WIRE SHALL BE #12 AWG. INSULATION SHALL BE DUAL RATED GYP•8'-0") GYPSUM OR POLE NUMBERS IN PANEL. THHN/THWN OR XHHW. CONTRACTOR SHALL SUBMIT FOR APPROVAL A INTERIOR WD•8'-0") WOOD JUNCTION BOX PHYSICAL SAMPLE OF ALL WIRE USED ON THIS PROJECT. NEW DUPLEX RECEPTACLE 18" A.F.F. PL•8'-0" PLASTER 14. ALL WORK IS NEW AND WILL BE INSTALLED TO V.A. SPECIFICATIONS AND LOCAL TEMPERATURE CONTROL PANEL EXISTING TO BE BROUGHT UP TO CODE OR OTHERWISE SPECIFIED IN LIGHTING 42. CIRCUITS SHALL BE DESIGNED FOR MINIMUM OF 20 AMPS. NEW DUPLEX RECEPTACLE 4'-0" A.F.F. LTS LIGHTS LOW VOLTAGE 43. ALL DEVICES SHALL BE UL APPROVED ALONG WITH MANUFACTURER NEW DUPLEX RECEPTACLE W/ GFI 4'-0" A.F.F. ANY ISSUES WITH NEW LOCATIONS TO BE BROUGHT TO ENGINEERING'S MASTER ANTENNA TELEVISION DOCUMENTATION, STAMP, AND/OR LABELS. ATTENTION VERBALLY AND IN WRITING. ALL FINAL DECISIONS MUST BE MAIN CIRCUIT BREAKER NEW DUPLEX RECEPTACLE 18" A.F.F. W/ FAN APPROVED BY ENGINEERING SERVICE PRIOR TO WORK STARTING. MCC MOTOR CONTROL CENTER 44. ANY PENETRATIONS THRU THE BUILDING SHALL BE SLEEVED WITH GALVANIZED RECEPTACLE 8'-0" A.F.F. MDP MAIN DISTRIBUTION PANEL STEEL SLEEVE. THIS SHALL BE SEALED AGAINST WEATHER INFILTRATION ALL JUNCTION BOXES MUST BE COVERED AND BE ACCESSIBLE ABOVE MAIN LUGS ONLY PROPERLY AND TO THE SATISFACTION OF THE CONTRACTING OFFICER. NEW DUPLEX RECEPTACLE 12" A.F.F. W/ FAN CEILING FOR MAINTENANCE AND/OR FUTURE ADDITIONAL SERVICES. MANHOLE RECEPTACLE 8'-0" A.F.F. AND SINGLE POLE 45. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL BUSS TOGGLE SWITCH. THE CONTRACTOR SHALL PERFORM ALL ELECTRICAL WORK IN ACCORDANCE MASONRY OPENING DETAIL IF SAME IS NON-EXISTENT. ANY AND ALL BREAKERS ADDED TO THE WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE, DVA MTD MOUNTED PANEL SHALL BE BOLT ON, PROPERLY SIZED AND COMPATIBLE WITH THE PANEL SPECIFICATIONS, FEDERAL, STATE AND LOCAL LAWS, REGULATIONS MOUNTING HEIGHT AS A MINIMUM, THE CONTRACTOR SHALL INSTALL BREAKERS WITH A MINIMUM NEW DOUBLE DUPLEX RECEPTACLE 18" A.F.F. GUIDELINES AND ORDINANCES. NORTH R.M.S. VALUE OF 22,000 AIC. NOT APPLICABLE **NEW DATA/TELECOMMUNICATION OUTLET 18"** MINIMUM SIZE OF CONDUIT SHALL BE 3/4" COUPLINGS AND CONNECTORS SHALL NON-FUSED SAFETY SWITCH CONTRACTOR SHALL BE PROHIBITED TO USE THE ELECTRICAL DISTRIBUTION BE GLAND/RING COMPRESSION TYPE ONLY. ALL CONNECTORS SHALL CONTAIN NOT IN CONTRACT PANEL AS A SPLICE BOX. THE CONTRACTOR IS PROHIBITED FROM MAKING ANY INTEGRAL INSULATED NYLON BUSHINGS. NON-CONTROLLED 24HR LIGHT ELECTRICAL SPLICE IN THE PANEL BOX. JUNCTION BOX (SQUARE) APPROX. LOCATION NUMBER ABOVE CEILING. ALL NEW CIRCUITS SHALL HAVE A SEPARATE GREEN GROUND CONDUCTOR, NOT TO SCALE THE CONTRACTOR SHALL, PRIOR TO FINAL PAYMENT, PROVIDE TO THE PROPERLY SIZED PER THE NEC, OR AS SPECIFIED. IN EXISTING CIRCUITS, A NEW **OPPOSITE** CONTRACTING OFFICER A CERTIFICATE OF COMPLIANCE FROM THE NY BOARD EXISTING PULL STATION WITH SPEAKER AND GROUND SHALL BE INSTALLED IF GROUND IS NON EXISTING. POLE OF FIRE UNDERWRITERS FOR ALL ELECTRICAL WORK PERFORMED AS PART OF STROBE 96" A.F.F. TO REMAIN. PULL BOX THIS CONTRACT. MINIMUM SIZE WIRE SHALL BE #12 AWG. INSULATION SHALL BE DUAL RATED PREFABRICATED BEDSIDE PATIENT POWER UNIT EXISTING 2'x2' LIGHTING TO BE REMOVED THHN/THWN OR XHHW. CONTRACTOR SHALL SUBMIT FOR APPROVAL A THE CONTRACTOR SHALL LABEL ALL CIRCUITS IN J BOXES AND ON THE COVERS PHYSICAL SAMPLE OF ALL WIRE USED ON THIS PROJECT. POWER OPERATED OF "J" BOXES. THIS SHALL BE COMPLETED AND LABELED WITH VOLTAGE, NEW 2'x2' LIGHT FIXTURE TO BE CONNECT TO POWER TYPE ROOF VENTILATION AMPERAGE, CIRCUIT NUMBER, PANEL AND BREAKER NUMBER AND WHETHER POWER PANEL AS SPECIFIED. SEE "EI 000" FOR 21. CIRCUITS SHALL BE DESIGNED FOR MINIMUM OF 20 AMPS. **PWR** POWER THE CIRCUIT IS A NORMAL, EMERGENCY, CRITICAL, OR OTHER CIRCUIT. GENERAL NOTES & "EP135" FOR NEW RECEPTACLE LOCATIONS, NOTES, AND DETAILS. 22. ANY EXTERIOR CONDUIT SHALL BE MINIMUM OF HOT DIPPED GALVANIZED, RIGID REMOTE GROUND INDICATOR PANEL THE CONTRACTOR SHALL LABEL ALL CIRCUITS IN THE PANEL, BOX AND EDIT THE STEEL ONLY. ROOF DRAIN PANEL LABEL ACCORDINGLY. THE CONTRACTOR SHALL PROVIDE A NEW TYPED NEW 2'x2' LIGHT FIXTURE TO BE CONNECT TO ROOM PANEL DIRECTORY (4 COPIES) AS APPROVED BY THE CONTRACTING OFFICER. EMERGENCY POWER PANEL OR OTHERWISE 23. ALL DEVICES SHALL BE UL APPROVED. SIGNAL SIG SPECIFIED. SEE "EI 000" FOR GENERAL NOTES THE CONTRACTOR SHALL SUPPLY TO THE VA CONTRACTING OFFICER, PRIOR TO SAFETY SWITCH & "EP135" FOR NEW LOCATIONS, NOTES, AND ANY PENETRATIONS THRU THE BUILDING SHALL BE SLEEVED WITH GALVANIZED FINAL PAYMENT. A COMPLETE "AS CONSTRUCTED DRAWING", 30" BY 42", STA STATION DETAILS. STEEL SLEEVE. THIS SHALL BE SEALED AGAINST WEATHER INFILTRATION SQ.FT./SF -SQUARE FEET INDICATING ALL NEW WORK; TO INCLUDE ALL NEW CIRCUITS (POWER AND PROPERLY AND TO THE SATISFACTION OF THE CONTRACTING OFFICER. **TELEPHONE** CONTROL), BOXES, DEVICES, PANEL DIRECTORY, LIGHTS, HOME RUNS, FLUORESCENT LIGHTING TO REMAIN. SWITCHING, CONNECTIONS TO EXISTING BOXES, AND ETC. **TELEVISION** THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL BUSS THICKNESS FLUORESCENT LIGHTING TO BE REMOVED. DETAIL IF SAME IS NON-EXISTENT. ANY AND ALL BREAKERS ADDED TO THE THE CONTRACTOR SHALL TURN OVER TO THE CONTRACTING OFFICER AND TYPICAL PANEL SHALL BE BOLT ON, PROPERLY SIZED AND COMPATIBLE WITH THE PANEL. PROVIDE ALL CATALOGS, OPERATING INSTRUCTIONS, MAINTENANCE MANUALS **UNIT HEATER** NEW INSULATED RECESSED LIGHT. AS A MINIMUM, THE CONTRACTOR SHALL INSTALL BREAKERS WITH A MINIMUM UNLESS OTHERWISE NOTED FOR ANY SYSTEM. R.M.S. VALUE OF 22,000 AIC. VOLTAGE NEW EXHAUST FAN. SEE SHEET "ME 100" FOR VINYIL COMPOSITE TILE ALL RECEPTACLES SHALL BE HOSPITAL GRADE "GREEN DOT", 20 AMP OR AS DETAILS. CONTRACTOR SHALL BE PROHIBITED TO USE THE ELECTRICAL DISTRIBUTION VENTILATION SPECIFIED ELSEWHERE IN THE DRAWINGS AND SPECIFICATIONS. PANEL AS A SPLICE BOX. THE CONTRACTOR IS PROHIBITED FROM MAKING ANY VESTIBULE NEW SPRINKLER HEAD. REFER TO SHEET "FX ELECTRICAL SPLICE IN THE PANEL BOX. VERIFY IN FIELD ALL SWITCHES SHALL BE MINIMUM OF HEAVY DUTY INDUSTRIAL TYPE, 20 AMP OR VAPOR PROOF AS SPECIFIED ELSEWHERE IN THE DRAWINGS AND SPECIFICATIONS. 27. THE CONTRACTOR SHALL, PRIOR TO FINAL PAYMENT, PROVIDE TO THE - WIREW/ - WITH NEW CEILING MOUNTED SPEAKER. WEATHER PROOF NEW CEILING MOUNTED SPEAKER. **WATER TIGHT** WT TRANSFORMER (OS) OCCUPANCY SENSOR - CEILING MOUNTED. APPROVED: APPROVED: **Drawing Title** Project Title **CONSULTANTS:** ARCHITECT/ENGINEERS: **NORTH:** Firehouse Enhancement Electrical Notes, Abbrev., & Symbols Legend APPROVED: APPROVED: Ground Floor 08-17-2021 Bid Documents Drawing Scale: As Noted 08-16-2021 100% Working Drawings Submission Approved: Facility Director, VAHVHCS: **APPROVED** APPROVED: 95% Working Drawings Submission 05-21-2021 Montrose, NY 10548 65% Working Drawings Submission 02-26-2021 35% Working Drawings Submission 06-25-2018 Checked Drawn APPROVED: APPROVED: Approved: John Cliffe, Facility Chief of Engineering 10-05-2017 100% Preliminary Design Submission LS AMI 08-30-2021 Date:

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VA FORM 08-6231, OCT 1978

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NURSING PULL STATION LIGHT WITH AUDIO

120V OUTDOOR RATED OUTLET

CLOTHES DRYER OUTLET 220V

KEY PLAN

Engineering

Service

Department of Veterans Affairs

Project Number

620-20-206

19

EI 000

Building(s) Number

Drawing Number

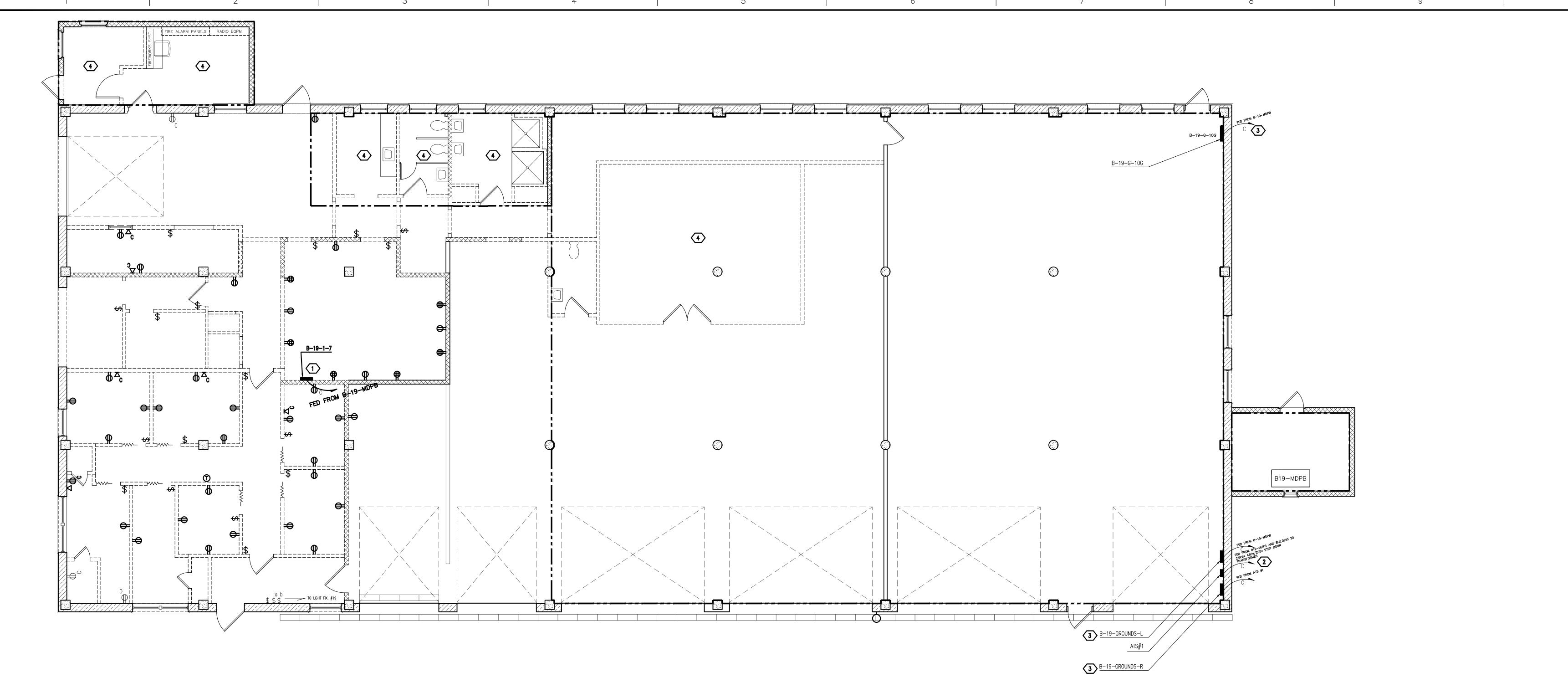
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SPEAKER.

220V OUTLET

FAN WITH SWITCH

NEW PULLBOX



ELECTRICAL DEMOLITION PLAN

SCALE: ³/₁₆" = 1'-0"

DEMOLITION NOTES:

- Panel B-19-1-7 is to be demolished along with the masonry wall. The existing cable and conduit routed back to the panel's source power from B-19-MDPB breaker #1 will be reused and reconnected to new panel B-19-9A-N.
- Conduit and cable for normal power will be demolished entirely from from ATS back to B-19-MDBP breaker #4. Conduit and cable from building 20 step down transformer connected to ATS emergency power will be disconnected and reused to feed new panel B-19-EDPB. WARNING BOTH EMERGENCY AND NORMAL POWER FEEDS ON THE ATS ARE ENERGIZED DURING NORMAL OPERATION.
- 3 Duration of power interruption(s) to panel(s) are to be kept at a practical and safe minimum.
- Bathroom, Kitchen, and Garage area outside the scope of this project. No demolition within these areas.

GENERAL NOTES:

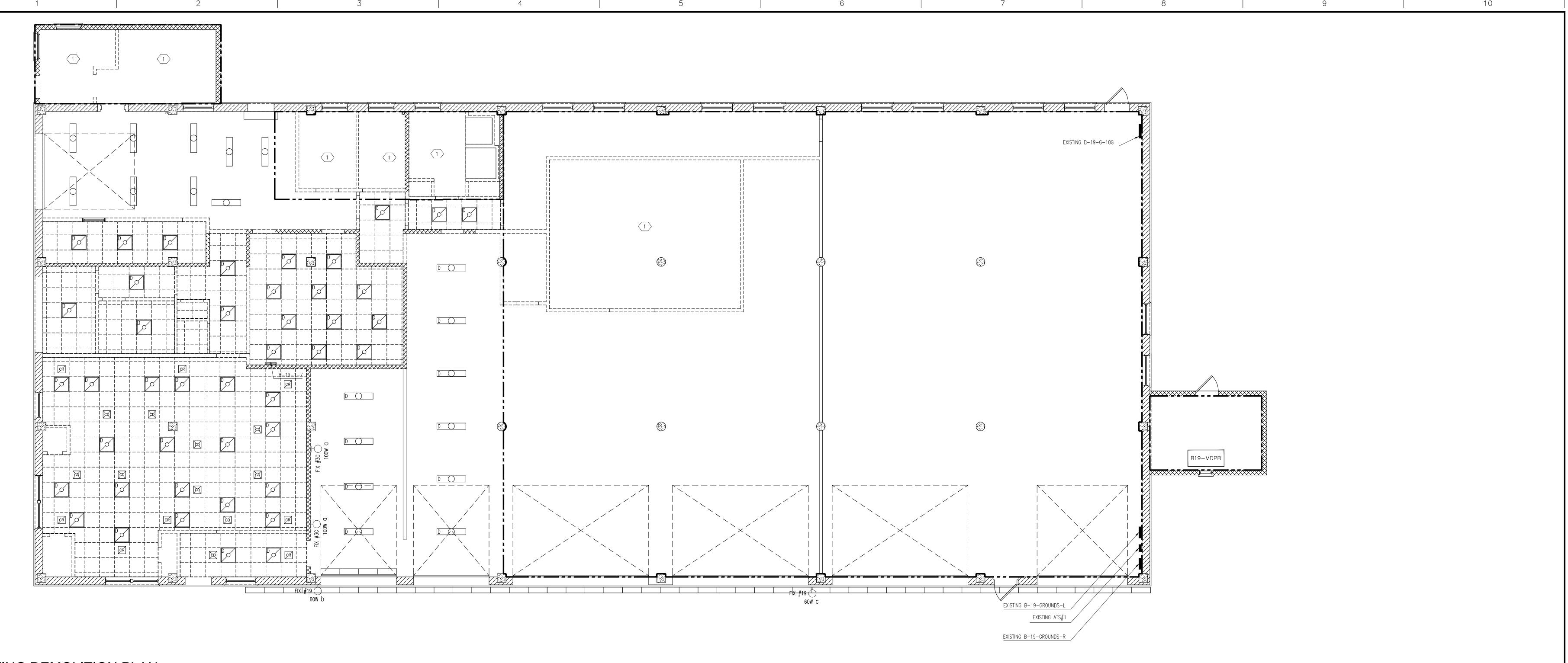
- 1. PLACEMENT AND QUANTITY OF ALL POWER RECEPTICLES, TELECOMMUNICATION JACKS, CABLE TV PORTS, AND SWITCHES ARE REPRESENTATIVE OF TYPICAL CONFIGURATION. ACTUAL PLACEMENT AND CONFIGURATIONS WILL VARY. QUANTITIES CONSIDERED FOR BIDDING PURPOSES SHALL NOT EXCEED 10% DEVIATION. VA ESTIMATED QUANTITIES OF POWER RECEPTICLES CONSIDERED TO BE 32, TELECOMMUNICATION JACKS TO BE 7, CABLE TV PORTS TO BE 4, AND SWITCHES TO BE 10.
- 2. WIRING, CONDUIT, AND JUNCTION BOXES WILL BE REMOVED ENTIRELY FOR ALL POWER RECEPTICLES, TELECOMMUNICATION JACKS, CABLE TV PORTS, AND SWITCHES BACK TO THIER SOURCE.
- 3. FIELD VERIFY POWER SOURCES FOR ALL DEMOLITION AND FOLLOW PROPER LOCK OUT/TAG OUT PROCEDURES.
- 4. POWER RECEPTICLES ON SOLID WALLS NOT TO BE DEMOLISHED CAN REMAIN. REMOVE EXISTING WIRING TO THE SOURCE AND REWIRE TO NEW PANEL B-19-9A-N. ESTIMATED POWER RECEPTICLES ON PERMINANT WALLS TO BE 3.



KEY PLAN

		CONSULTANTS:	ARCHITECT/ENGINEERS:	NORTH:	APPROVED:	APPROVED:	Drawing Title	Project Title	Project Number	
		CONSOLIANTS.	AITOITILOT/LINGINLLING.	INOIXIII.			Electrical Demolition Plan		620-20-206	
					APPROVED:	APPROVED:	Ground Floor	Firehouse Enhancement	Building(s) Number	Engineering
Bid Documents	08-17-2021						Drawing Scale: As Noted		10	
100% Working Drawings Submission	08-16-2021								19	Service
95% Working Drawings Submission	05-21-2021				APPROVED:	APPROVED:	Approved: Facility Director , VAHVHCS:	Location	Drawing Number	
65% Working Drawings Submission	02-26-2021							Montrose, NY 10548		
35% Working Drawings Submission	06-25-2018				APPROVED:	APPROVED:	Approved: John Cliffe, Facility Chief of Engineering	Date Checked Drawn	ED 100	
100% Preliminary Design Submission	10-05-2017			m m	MITIOVED.	THE VED.	Approved: donn't dime, I domity office of Engineering			Department of Votorans Affairs
Revisions:	Date:							08-30-2021 LS AMI	Dwg. 38 of 61	Veteralis Alialis

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LIGHTING DEMOLITION PLAN

SCALE: ³/₁₆" = 1'-0"

LIGHTING DEMOLITION GENERAL NOTES:

- 1. Field verify power source for all electrical lighting identified to be demolished. Demolish all power wiring, junction boxes, and conduits back to the associated breakers located on panels B-19-7-1 (to be demolished) and B-19-GROUNDS-R (to remain).
- 2. Placement and quantities of lights are representative of a typical configuration. Actual placement and quantities will vary. Quantities shown to be used for biding purposes are considered not to deviate by more than 10%. There is an estimated quantities (30) 2'x2' lighting, (9) 8"x3' flourescent light fixtures, and (10) 8"x6' flourescent light fixtures trio to be demolished.

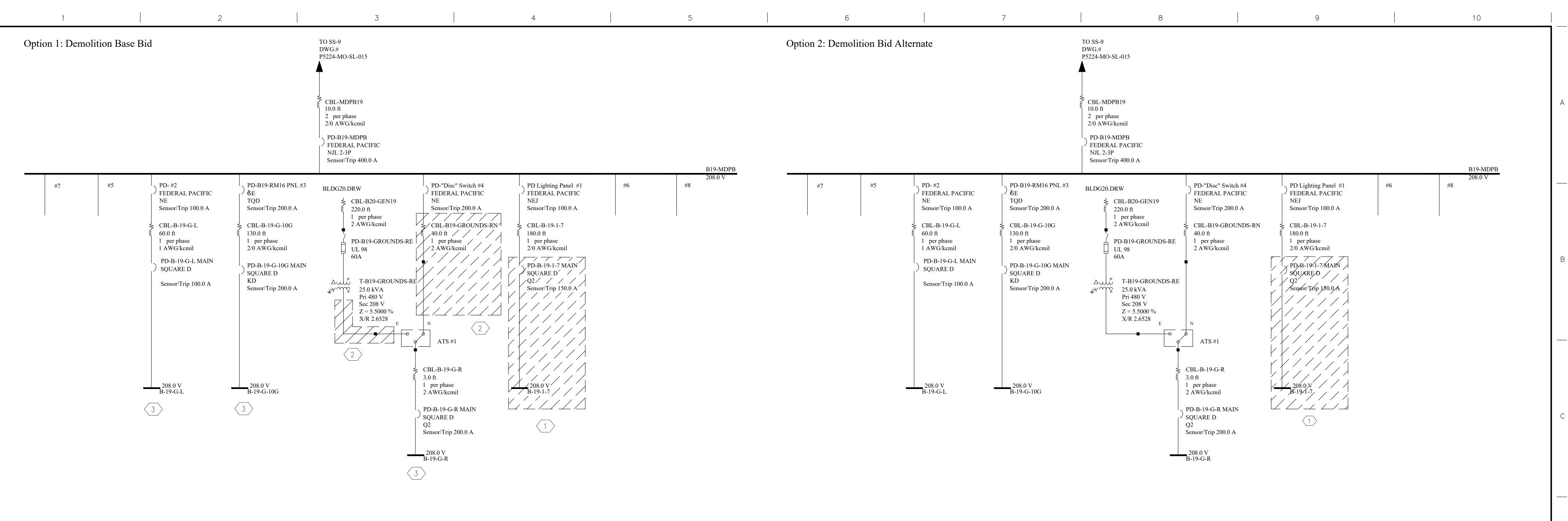
DEMOLITION NOTES:

This area is outside the scope of this project. Demolition to ve done by V.A. shops.



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			CONCLUTANTO.	ADCUITECT/ENGINEEDO.	NODTH	APPROVED:	APPROVED:	Drawing Title	Project Title	Project Number	
			CONSULTANTS:	ARCHITECT/ENGINEERS:	NORTH:			Lighting Demolition Plan		620 20 206	
, []						APPROVED:	APPROVED:	Ground Floor	Firehouse Enhancement at FDR	Building(s) Number	Engineering
] [[Bid Documents	08-17-2021	<u> </u>					Drawing Scale: ½" - 1'-0"		10	
J	100% Working Drawings Submission	08-16-2021									Service
J [95% Working Drawings Submission	05-21-2021				APPROVED:	APPROVED:	Approved: Facility Director , VAHVHCS:	Location	Drawing Number	
J [65% Working Drawings Submission	02-26-2021							Montrose, NY 10548		
」 ┃┃	35% Working Drawings Submission	06-25-2018				APPROVED:	APPROVED:	Approved: John Cliffe, Facility Chief of Engineering	Date Checked Drawn	∃ E D 101	Department of Veterans Affairs
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DEMOLITION NOTES:

- Panel B-19-1-7 is to be demolished along with the masonry wall. The existing cable and conduit routed back to the panel's source power from B-19-MDPB breaker #1 will be reused and reconnected to new panel B-19-9A-N.
- Conduit and cable for normal power will be demolished entirely from from ATS back to B-19-MDBP breaker #4. Conduit and cable from building 20 step down transformer connected to ATS emergency power will be disconnected and reused to feed new panel B-19-EDPB. WARNING BOTH EMERGENCY AND NORMAL POWER FEEDS ON THE ATS ARE ENERGIZED DURING NORMAL OPERATION.
- Duration of power interruption(s) to panel(s) are to be kept at a practical and safe minimum.

┰											
			CONSULTANTS:	ARCHITECT/ENGINEERS:	NORTH:	APPROVED:	APPROVED:	Drawing Title Electrical Demo One Line Diagram	Project Title	Project Number 620 20 206	
	Bid Documents	08-17-2021				APPROVED:	APPROVED:	Ground Floor Drawing Scale: N.T.S.	Firehouse Enhancement at FDR		Engineering Service
	95% Working Drawings Submission	08-16-2021 05-21-2021				APPROVED:	APPROVED:	Approved: Facility Director , VAHVHCS:	Location	Drawing Number	Sel vice
	65% Working Drawings Submission 35% Working Drawings Submission	10-05-2017 06-25-2018	_						Montrose, NY 10548	FD 600	
	100% Preliminary Design Submission	10-05-2020				APPROVED:	APPROVED:	Approved: John Cliffe, Facility Chief of Engineering	Date Checked Drawn 08-30-2021 LS AMI	Dwg. 40 of 61	Department of Veterans Affairs
	Revisions:	Date:							OU-30-2021 LO AIVII	Dwg. 40 of 61	

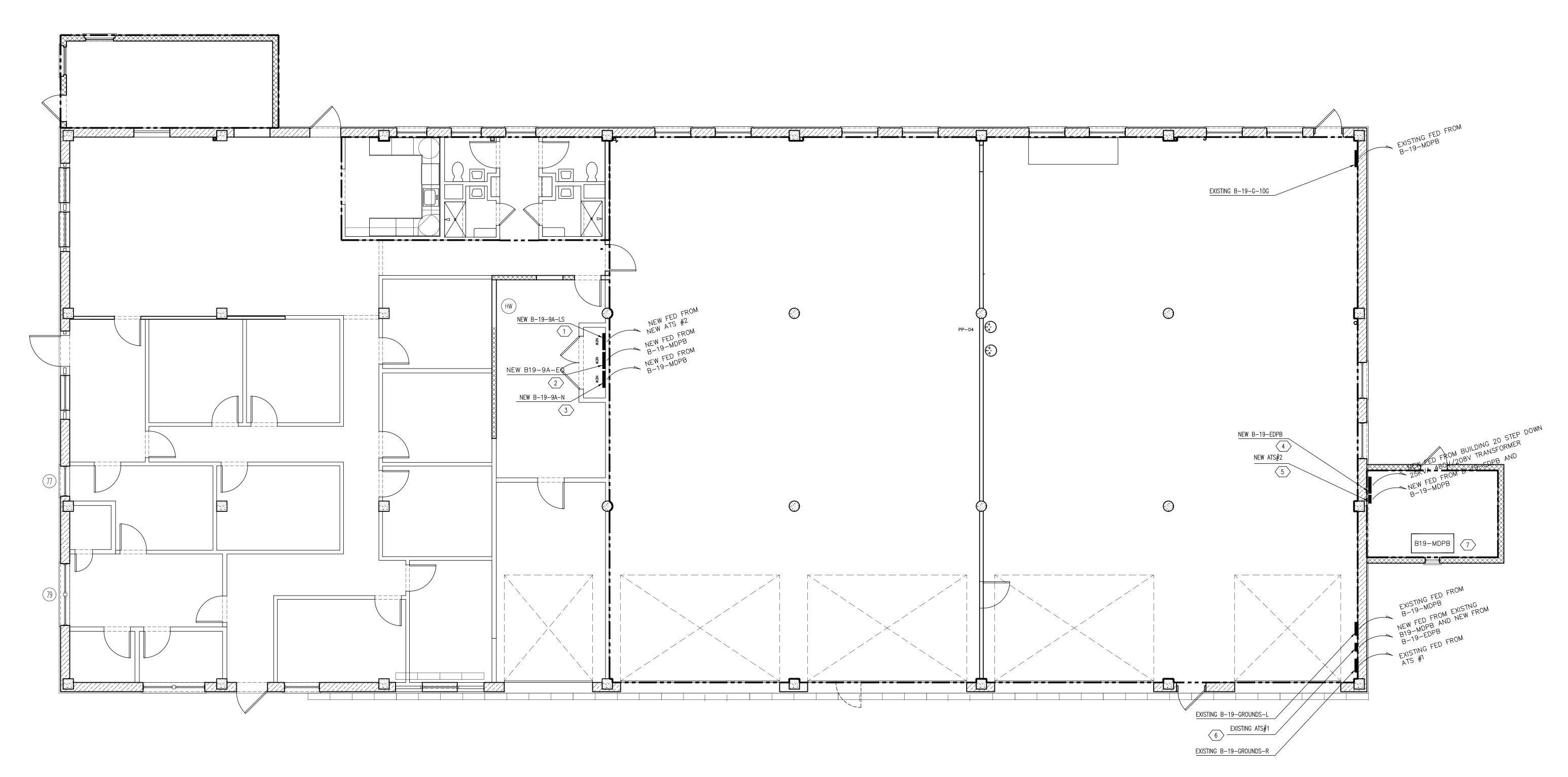
P.	ANEL:	B-19-1-7			LOC.	AT: GROU	JND FL.	MTI). I FLU	SH SURFACE	ו		FED	FR.	
R	ATINGS:	208V A.C3PH3W.							_					ISO. GND. BUS	
F	EEDER:	B-19	9-MD	PB B	REAKE	R #1							-		
M	AIN DEV	VICE: 150 AMP. 3 PHASE	+}			■ C/B	SHUNT	TRIP	C/B		□ FU.	& SW	•	□ DOUBLE LUGS	
C	RCUIT		PH.	LOAD	(VA)	3 WIRE	□ C/E	3	FUSE	WIRE	PH.	LOAD	(VA)	CIRCUIT	
N	D. SERVI	ING	A	В	С	(AWG.)	(AMP)		- (AMP)	(AWG.)	С	В	A	SERVING	NO
<u> </u>	A/C CO	ONDENSER					○ †		-0					GARAGE AIR COMPRESSOR	2
<u>1</u>) 3	A/C CO	ONDENSER					0		-0					GARAGE AIR COMPRESSOR	4
<u>1</u>) 5	A/C CO	ONDENSER					0-		-0					GARAGE AIR COMPRESSOR	6
7	A/C UN	NIT					0-		-0					RECEPTACLES (LEFT)	8
1) 9	A/C UN	NIT					0-		-0					MICROWAVE	10
2 1	1 11 AMF	P AIR COMPRESSOR					0-	-	-0					COFFEE MACHINE	12
4) 1	OCCUF	PIED (ON)					0		-0					REFRIGERATOR CIRCUITS	14
1	OCCUF	PIED (ON)					0-		-0					AIR HANDLER	16
2 1	7 STOVE	=					0-		-0					ROOM 6	18
2 1	STOVE	Ξ					0		-0					BUNK ROOM LIGHTING	20
4 2	1 OCCUF	PIED (ON)					0-		-0					BUNK LIGHTS RECESSED	22
1) 2	A/C CE	ENTRAL GFI												OUTLETS ROOM 6	24
1) 2	A/C CE	NTRAL GFI					0	-	-0					OUTLETS ROOM 6	26
5 2	7 EXHAU	JST FAN FOR TRUCK					0		-0					OCCUPIED (ON)	28
5 2) EXHAU	JST FAN FOR TRUCK					0		-0					OCCUPIED (ON)	30
<u>1</u>) 3	1 RECES	SSED LIGHTING BREAK ROOM					0-	-	-0					WASHER	32
4) 3	OCCUF	PIED (ON)					0-		-0					OCCUPIED (ON)	34
3	A/C RA	ADIO ROOM							-0					RECEPTACLES RIGHT	36
3	OCCUF	PIED (ON)					0	1	-0					DRYER	38
3	LIGHTS	S					0		-0					DRYER	40
4	1 -						0		-0					-	42
	TOT 05					OT 0011110		1 +	-0		/ A				
2	TOT. OD	DD CKT.				OT. CONN. LOA OT. DEM. LOAD				K\ K\				21 TOT. EVEN	CKT.

DEMOLITION GENERAL NOTES:

- All associated conduit and cable to distribution point to be completely demolished.
- All associated conduit and cable to distribution point is to be disconnected and reused if possible (no splicing). Distribution point is to be rewired to new B-19-9A-N.
- All associated conduit and cable to distribution point is to be disconnected and reused if possible (no splicing). Distribution point is to be rewired to new B-19-9A-EQ.
- All associated conduit and cable to be field verified to determine distribution point. If the distribution point is not part of defined demolition scope, it is to be reused if possible (no splicing) and rewired to B-19-9A-N OR B-19-9A-EQ panels as appropriate.
- All associated conduit and cable to distribution point is to be disconnected and reused if possible (no splicing). Distribution point is to be rewired to new B-19-9A-LS panel.



									KEY PI	LAN α
		CONCLUTANTO.	ADCLUTECT/ENGINEEDC.	NODTU	APPROVED:	APPROVED:	Drawing Title	Project Title	Project Number	
		CONSULTANTS:	ARCHITECT/ENGINEERS:	NORTH:			Electrical Demolition - Panel Schedule		620 20 206	
]	00.47.0004				APPROVED:	APPROVED:	Ground Floor	Firehouse Enhancement at FDR	Building(s) Number	Engineering
Bid Documents 100% Working Drawings Submission	08-17-2021 08-16-2021	_					Drawing Scale: N.T.S.		19	Service
95% Working Drawings Submission	05-21-2021				APPROVED:	APPROVED:	Approved: Facility Director , VAHVHCS:	Location	Drawing Number	
65% Working Drawings Submission	02-26-2021							Montrose, NY 10548		
35% Working Drawings Submission	06-25-2018	_		>	APPROVED:	APPROVED:	Approved: John Cliffe, Facility Chief of Engineering	Date Checked Drawn	ED 601	Department of
100% Preliminary Design Submission Revisions:	10-05-2017 Date:			77				08-30-2021 LS AMI	Dwg. 41 of 61	Department of Veterans Affairs



POWER RECONFIGURATION NOTES:

- Install new 12 position 208V Y panel (B-19-9A-LS). Panel to have 60A main breaker. Source power from newly installed ATS #2 located in main distribution room. 1/0 AWG KCMIL cable THHN, copper, 3 wire fully encased in 1 1/4 inch diameter conduit.
- Install new 24 position 208V Y panel (B-19-9A-EQ). Panel to have 200A main breaker. Source power from B-19-MDPB on newly installed 200A main breaker located at position#6. 3/0 cable, THHN, copper, 3 wire fully encased in 2 inch diameter conduit.
- Install new 42 position 208V Y panel (B-19-9A-N). Panel to have 100A main breaker. Source power from B-19-MDPB on existing 100A main breaker located at position #1. 1/0 cable, THHN, copper, 3 wire fully encased in 1 1/4 inch diameter conduit.
- Install new 12 position 208V Y panel (B-19-EDPB). Panel to have 70A main breaker. Source power from from existing 480V/208V 25KVA step down transformer previously disconnected from ATS #1. Fully encase in conduit sized per existing cable diameter.

POWER RECONFIGURATION NOTES CONTINUED:

- Install new 60 Amp ATS #2 to feed newly installed panel B-19-9A-LS. Source emergency power from newly installed adjacent panel B-19-EDPB position #1 in main distribution room using 1/0 AWG KCMIL cable THHN, copper, 3 wire fully encased in 1 1/4 inch diameter conduit. Source normal power from existing B-19-MDPB with newly installed 70 Amp breaker in position #5
- Existing ATS #1 is to have emergency source power reconnected to newly installed panel B-19-EDPB position 2 using 1/0 AWG KCMIL cable THHN, copper, 3 wire fully encased in 1 1/4 inch diameter conduit.
- (7) Install new 60Amp Breaker in position 5 of Federal Pacific panel B-19-MDPB to feed to new ATS #2. Install new 200Amp Breaker in position 6 of Federal Pacific panel B-19-MDPB to feed to new panel B-19-9A-EQ.

GENERAL NOTES:

- 1. All newly installed panels and breakers to be clearly labeled.
- 2. All Newly installed panels to have arc flash hazard calculation completed and proper labeling affixed.



KEY PLAN

16

VA FORM 08-6231, OCT 1978

ARCHITECT/ENGINEERS: NORTH:

APPROVED: APPROVED:	New Electrical Power Distribution Ground Floor Drawing Scale: N.T.S.
APPROVED: APPROVED:	Approved: Facility Director , VAHVHCS:
APPROVED: APPROVED:	Approved: John Cliffe, Facility Chief of Engineering

Project Title

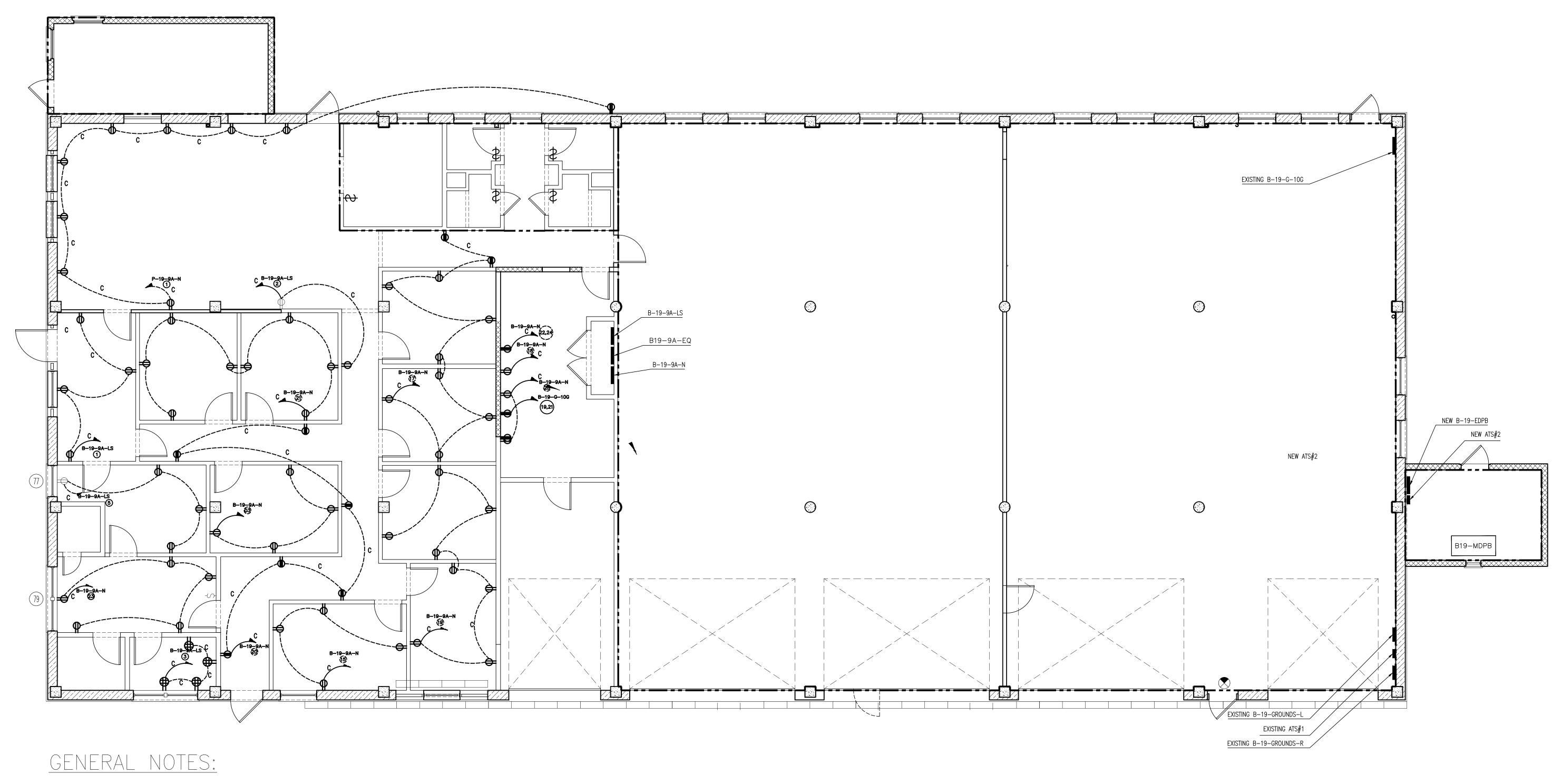
Power Distribution Plan bund Floor ang Scale: N.T.S.

| Coation | Date | Checked | Drawn | Dwg. 42 of 61 | Dwg. 42 of 61 | Dwg. 42 of 61 | Dwg. 42 of 61

Engineering Service

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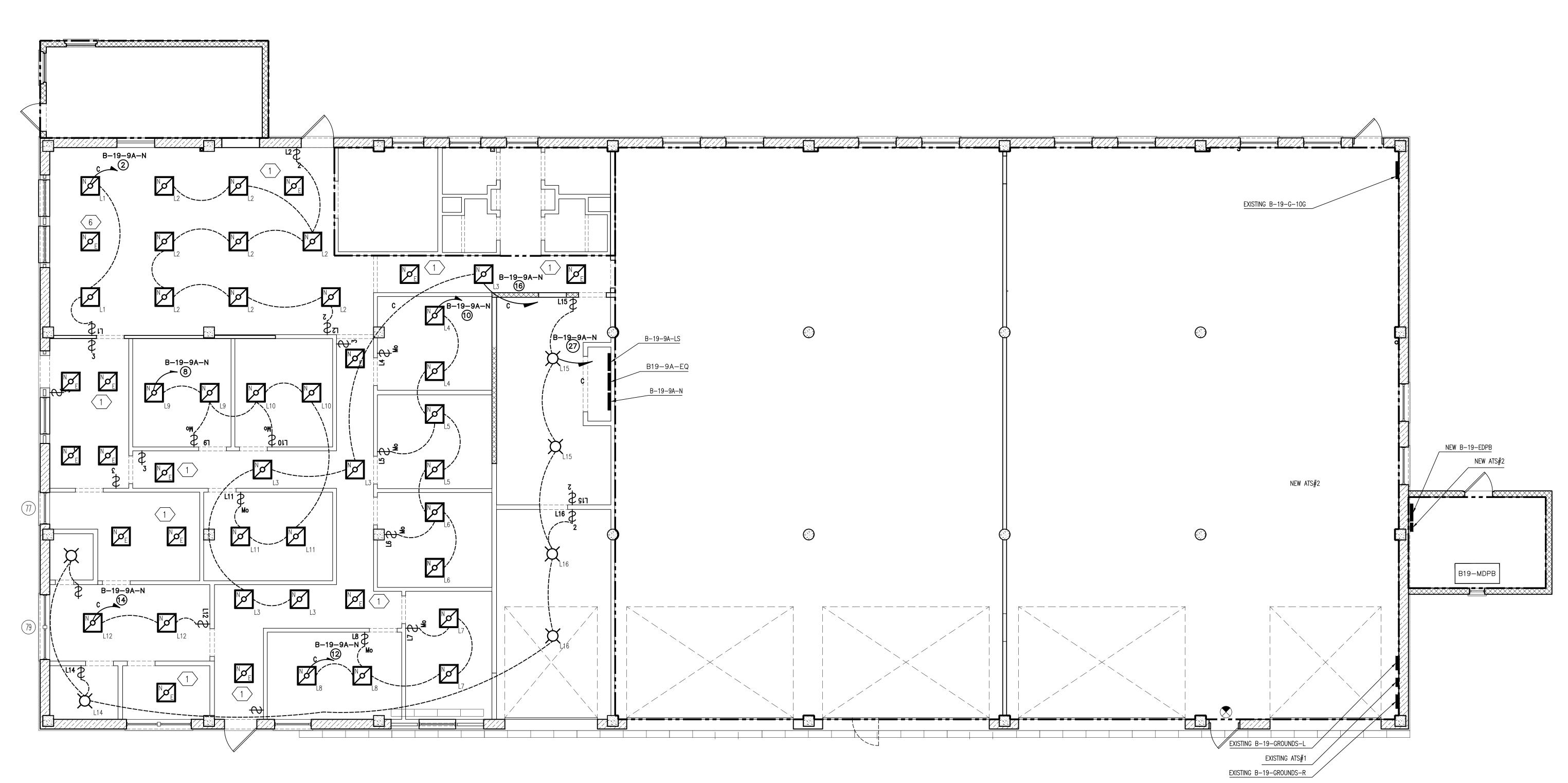
Department of Veterans Affairs



1. NEW DATA COMMUNICATION RECEPTACLES WIRED TO TELECOMMUNICATION CLOSET IN ROOM 18A WITH CAT 6 COMMUNICATION WIRE.TERMINATION TO BE COMPLETED BY THE V.A.

KEY PLAN

CONSULTANTS:	ARCHITECT/ENGINEERS:	NORTH:	APPROVED:	APPROVED:	Electrical Power Receptacle Wiring Plan Ground Floor Drawing Scale: 3/16" = 1'-0"	Firehouse Enhancement at FDR	620 20 206 Building(s) Number 19	Engineering Service
		6	APPROVED:	APPROVED:	Ground Floor	Firehouse Enhancement at FDR	Building(s) Number 19	
		0			Drawing Scale: $\frac{3}{16}$ " = 1'-0"		19	
								Service
			1				L	331 1100
			APPROVED:	APPROVED:	Approved: Facility Director , VAHVHCS:	Location	Drawing Number	
						Montrose, NY 10548	ED 400	
			APPROVED:	ADDDO\/ED:	Approved: John Cliffe, Escility Chief of Engineering	Date Checked Drawn		
			AFFROVED.	AFFROVED.	Approved. John Cline, Facility Chief of Engineering		 	Department of Veterans Affairs
						08-30-2021 LS AMI	Dwg. 43 of 61	Veterans Affairs
			2	APPROVED:			APPROVED: Approved: John Cliffe, Facility Chief of Engineering Date Checked Drawn	APPROVED: Approved: John Cliffe, Facility Chief of Engineering Date Checked Drawn



GENERAL NOTES:

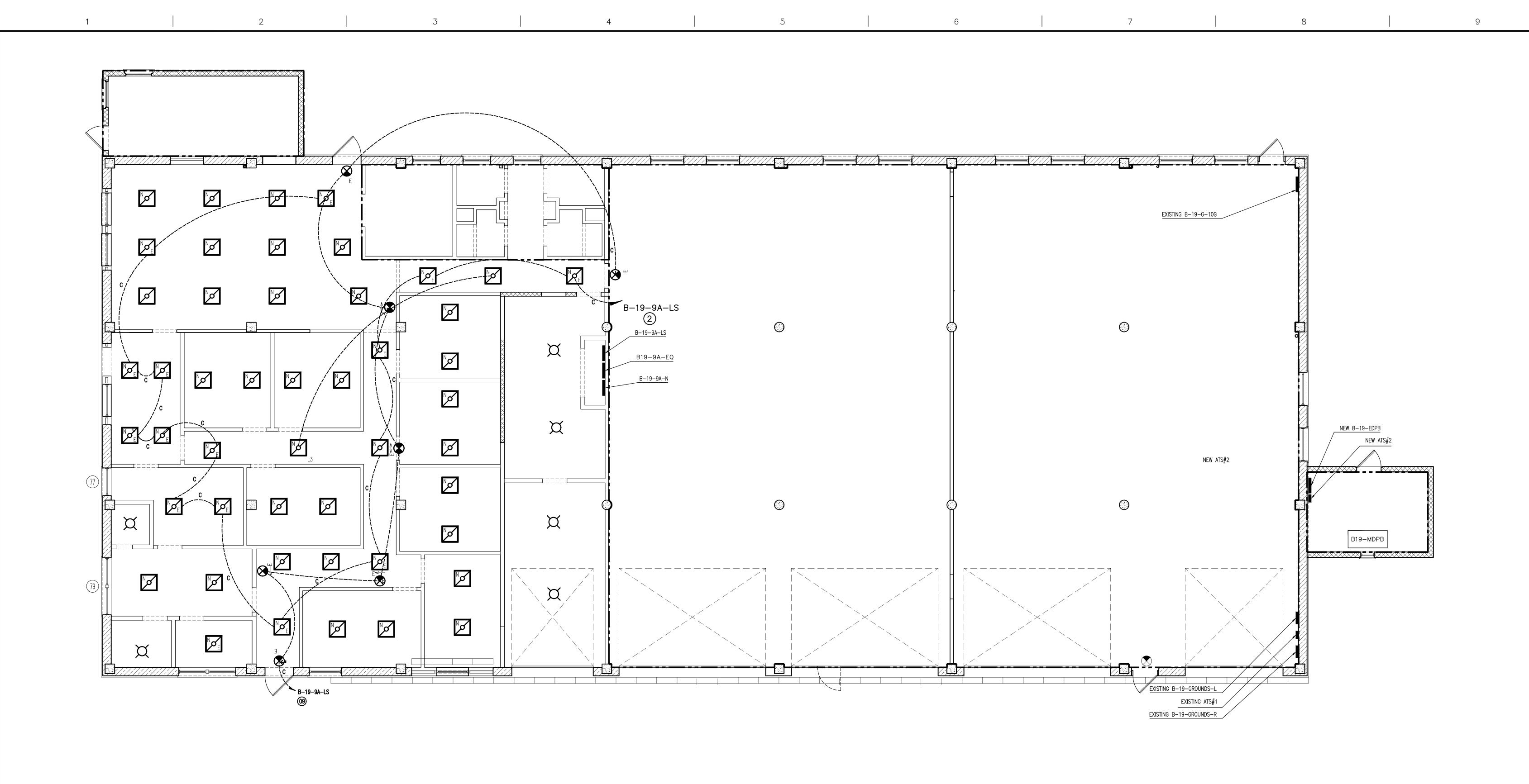
FOR WIRING AND ADDITIONAL INFORMATION SEE SHEET "EP 135". ALSO REFER TO PANEL SCHEDULE ON SHEET "EP600"

ocuments Submission EP

Bid D

KEY PLAN

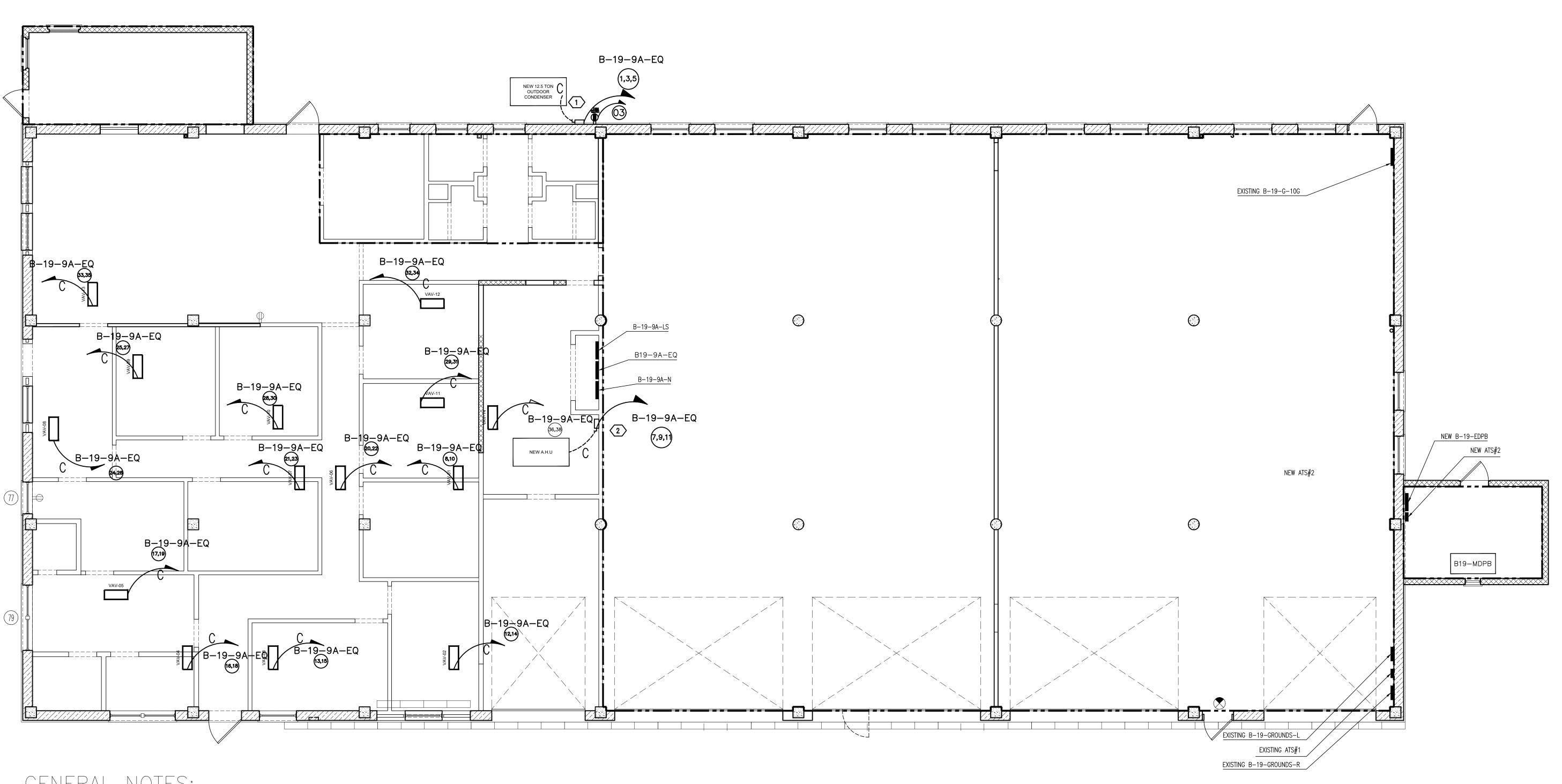
		CONCLUTANTO.	ADOLUTEOT/ENIONIEEDO.	NODTII.	APPROVED:	APPROVED:	Drawing Title	Project Title		Project Number	
		CONSULTANTS:	ARCHITECT/ENGINEERS:	NORTH:			New Lighting & Wiring Plan			620 20 206	
					APPROVED:	APPROVED:	Ground Floor	Firehouse Er	hancement at FDR	Building(s) Number	Engineering
Bid Documents	08-17-2021			S. Tr			Drawing Scale: N.T.S.			10	
100% Working Drawings Submission	08-16-2021									19	Service
95% Working Drawings Submission	05-21-2021				APPROVED:	APPROVED:	Approved: Facility Director , VAHVHCS:	Location		Drawing Number	
65% Working Drawings Submission	02-26-2021							Montros	se, NY 10548	ED 400	
35% Working Drawings Submission	06-25-2018			\	APPROVED:	APPROVED:	Approved: John Cliffe, Facility Chief of Engineering	Date	Checked Drawn	EP 130	Dopartment of
100% Preliminary Design Submission	10-05-2017			m			The state of the s	09 20 2021			Veterans Affairs
Revisions:	Date.							08-30-2021	│ LS │ AMI	Dwa. 44 of 61	Veteralis Alialis



KEY PLAN

Bid D

Project Number 620 20 206 APPROVED: APPROVED: Drawing Title Project Title ARCHITECT/ENGINEERS: NORTH: CONSULTANTS: New Emergency Lighting Wiring Plan Ground Floor Drawing Scale: N.T.S. Firehouse Enhancement at FDR **Engineering** APPROVED: APPROVED: Building(s) Number 08-17-2021 Bid Documents Service 100% Working Drawings Submission 08-16-2021 APPROVED: APPROVED: Approved: Facility Director , VAHVHCS: Drawing Number Location 95% Working Drawings Submission 05-21-2021 Montrose, NY 10548 65% Working Drawings Submission 02-26-2021 EP 135 35% Working Drawings Submission 06-25-2018 Checked Drawn
LS AMI APPROVED: APPROVED: Approved: John Cliffe, Facility Chief of Engineering Date Department of Veterans Affairs 100% Preliminary Design Submission 10-05-2017 08-30-2021 Dwg. 45 of 61 Revisions:

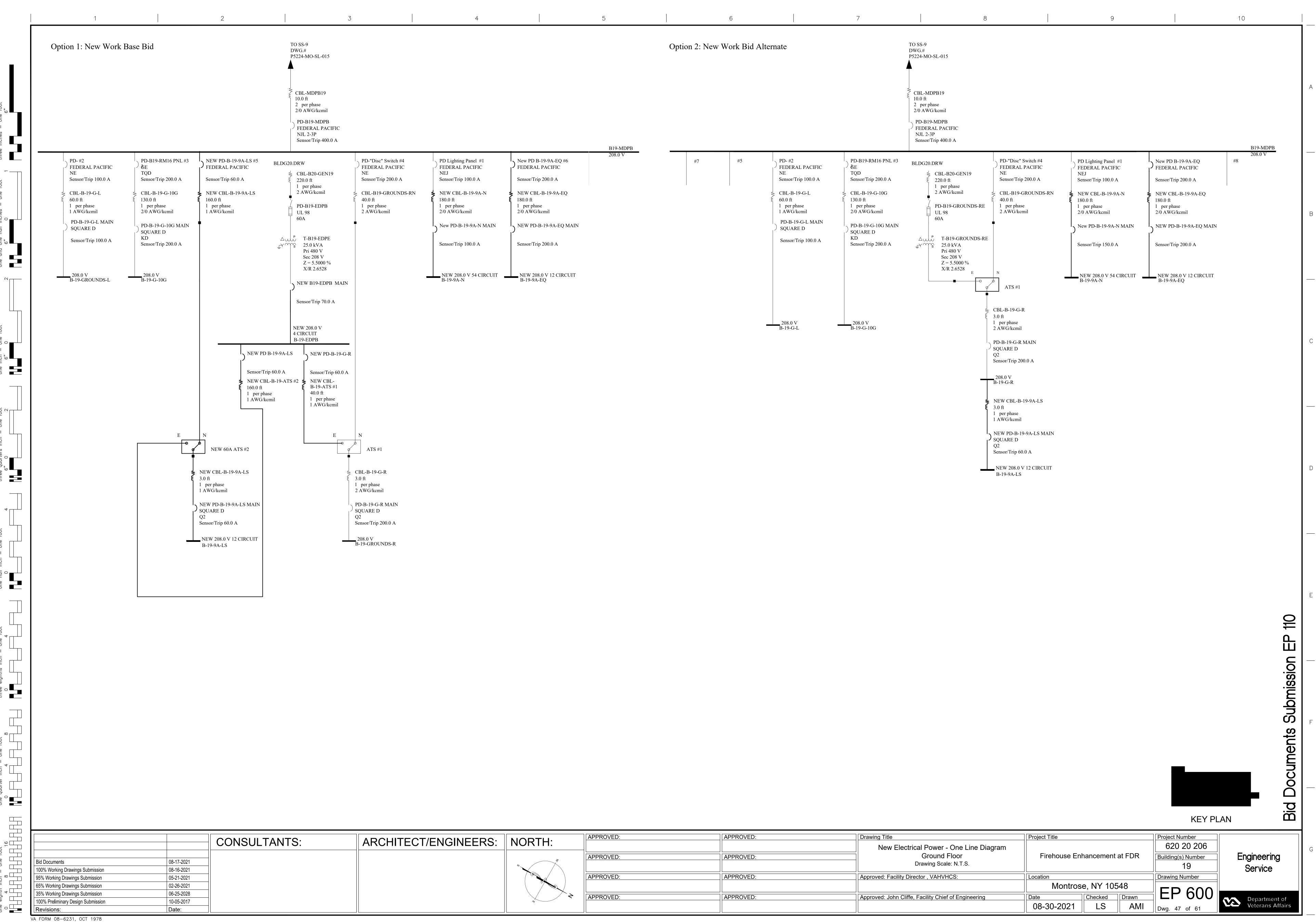


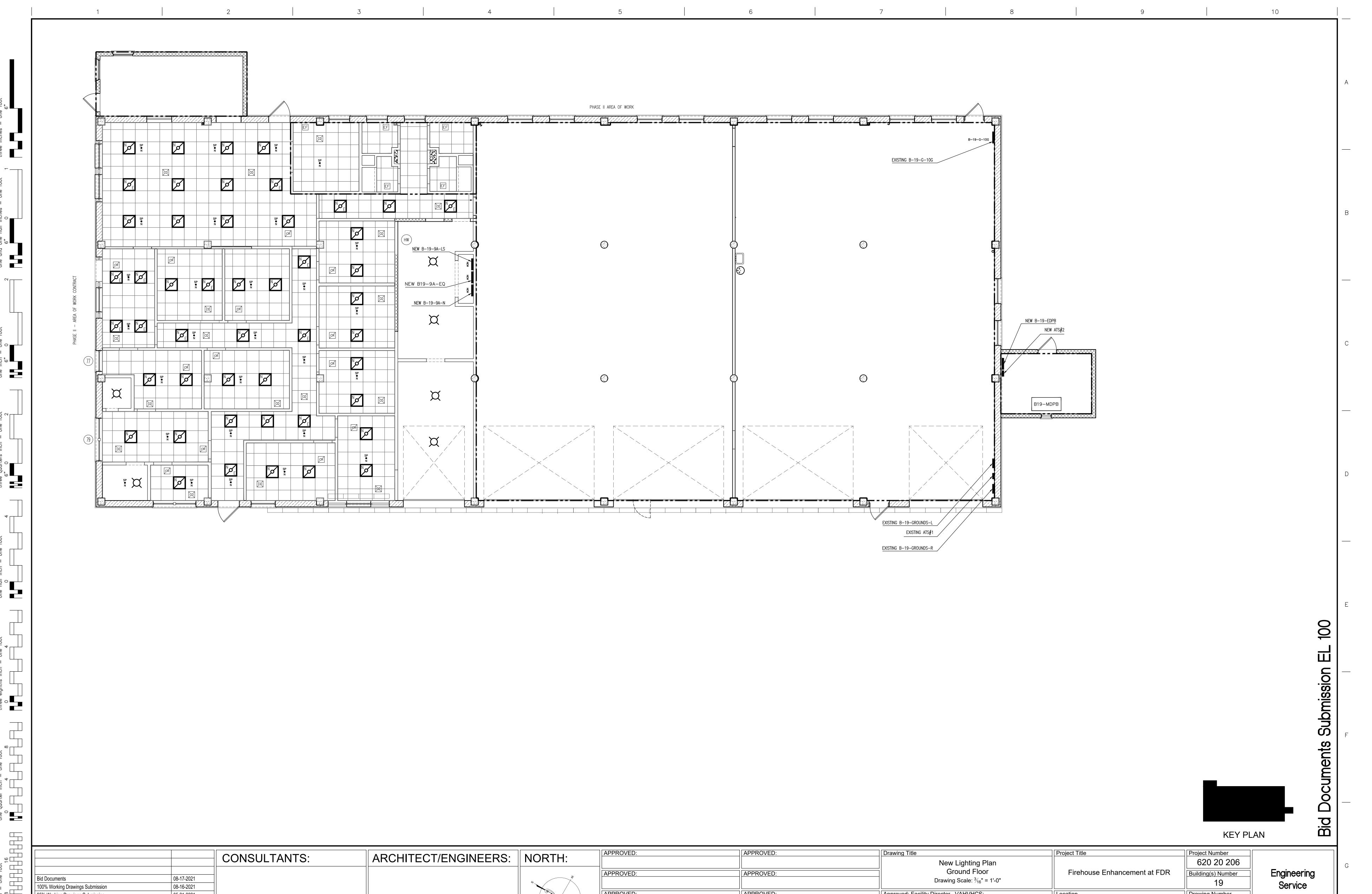
GENERAL NOTES:

- 1 Stainless steel NEMA 4 rated Pull Box feeds power to new exterior condenser.
- 2 Pull Box feeds power to new interior ceiling mounted AHU.

		CONCLUTANTO.	ADCLUTECT/ENGINEEDC.	NODTIL	APPROVED:	APPROVED:	Drawing Title	Project Title		Project Number	
		CONSULTANTS:	ARCHITECT/ENGINEERS:	NORTH:			Electrical Emergency Power Wiring Plan			620 20 206	
] <u> </u>					APPROVED:	APPROVED:	Ground Floor	Firehouse Er	hancement at FDR	Building(s) Number	Engineering
Bid Documents	08-17-202			6			Drawing Scale: N.T.S.			19	
☐ 100% Working Draw	awings Submission 08-16-202										Service
95% Working Drawii	vings Submission 05-21-202				APPROVED:	APPROVED:	Approved: Facility Director , VAHVHCS:	Location		Drawing Number	
☐ 65% Working Drawii								Montros	se, NY 10548	FP 1/0	
35% Working Drawin	vings Submission 06-25-201				APPROVED:	APPROVED:	Approved: John Cliffe, Facility Chief of Engineering	Date	Checked Drawn	∃EP 140	
☐ 100% Preliminary D	Design Submission 10-05-201				ATTOVED.	ATTIOVED.	Approved. Controlling, Facility Office of Engineering	00 00 0004		- -	Department of Veterans Affairs
Revisions:	Date:							08-30-2021	LS AMI	Dwg. 46 of 61	veterans Analis

VA FORM 08-6231, OCT 1978





APPROVED:

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APPROVED:

Approved: Facility Director , VAHVHCS:

Approved: John Cliffe, Facility Chief of Engineering

VA FORM 08-6231, OCT 1978

95% Working Drawings Submission

65% Working Drawings Submission

35% Working Drawings Submission

100% Preliminary Design Submission

05-21-2021

02-26-2021

06-25-2018

10-05-2017

Date:

Department of Veterans Affairs

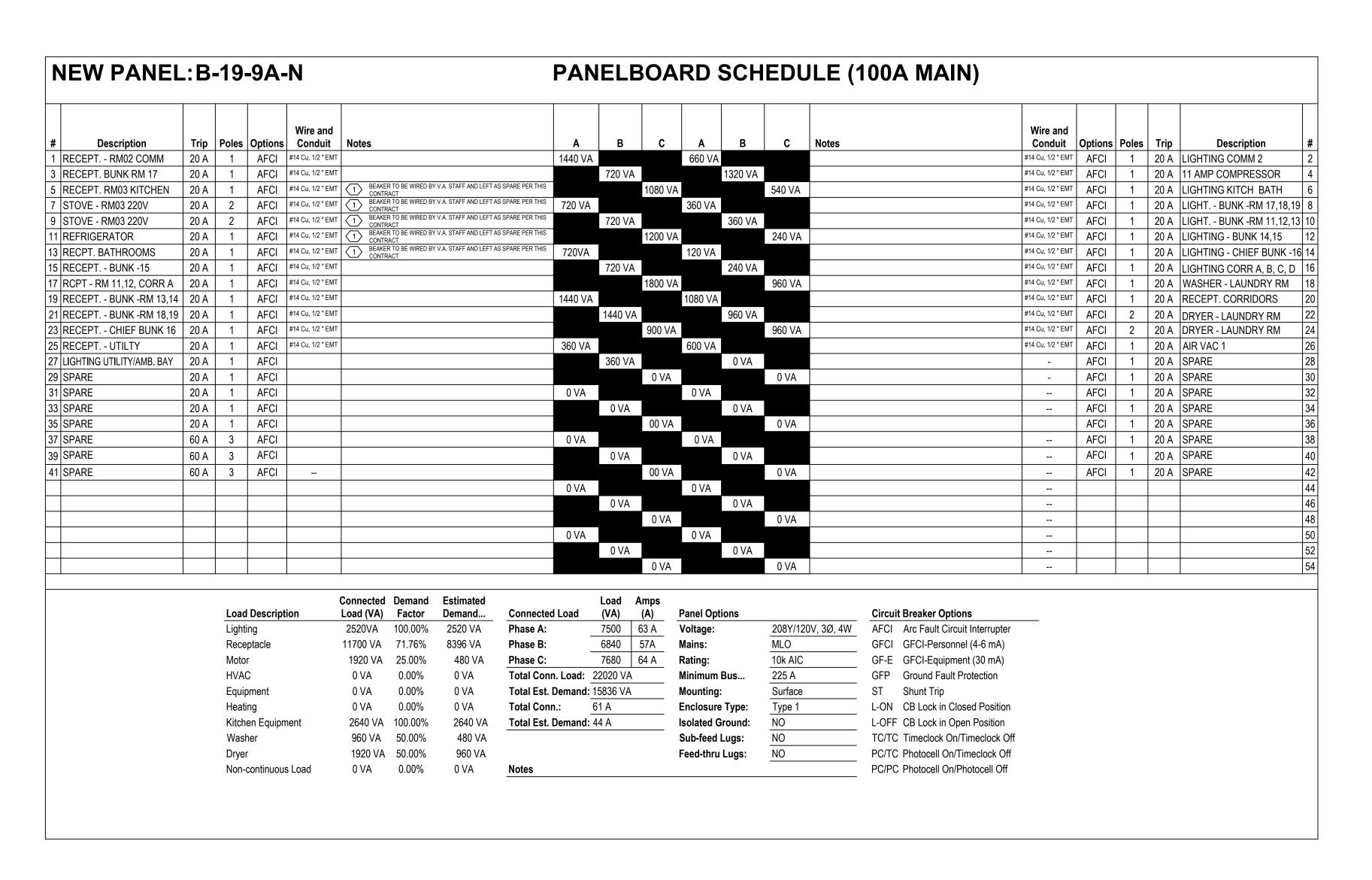
Drawing Number

Checked Drawn
LS AMI Dwg. 48 of 61

EL 100

Montrose, NY 10548

08-30-2021



# Description	Trin	Poles (Wire and Options ConMonites Notes				Δ Β	C	Δ	ВС	Notes			Wire and Conduit	Options Po	oles Tri	Description
1 RECEPT RM0 1 COMM	20 A	1	AFCI #14 Cu, 1/2 "EMT				720VA		840 VA		Notes			#14 Cu, 1/2 " EMT	AFCI		A LIGHTING LIFE SAFETY
B RECEPT TEL CO	20 A	1	AFCI #14 Cu, 1/2 " EMT				720 V	'A	0.0.7	360 VA				#14 Cu, 1/2 " EMT	AFCI	1 20	
5 RECEPT. CHIEF OFFICE	20 A	1	AFCI #14 Cu, 1/2 " EMT					720 VA		600 VA	BEAKER TO BE WIRED BY	/ V.A. STAFF AND	LEFT AS SPARE PER THIS CONTRACT	#14 Cu, 1/2 " EMT	AFCI		A EXHAUST FAN FOR TRU
7 TOILET, SHOWER LIGHTS 1	20 A	4	AFCI #14 Cu, 1/2 " EMT				120 VA		600VA				CONTRACT	#14 Cu, 1/2 " EMT	AFCI		A EXHAUST FAN FOR TRU
EXIT SIGNS 1	20 A	1	AFCI #14 Cu, 1/2 " EMT 1 BE	AKER TO BE WIRED BY N	/.A. STAFF AND LE	FT AS SPARE PER THIS	480 V	'A		0 VA					AFCI		A SPARE
1 SPARE 1	20 A	1	AFCI	MINACI				0 VA		0 VA					AFCI		A SPARE
3 SPARE 1	20 A	1	AFCI				0VA		0 VA						AFCI		A SPARE
5 SPARE	20 A	1	AFCI				0 VA	λ		0 VA					AFCI		A SPARE
7 SPARE	20 A	1	AFCI					0 VA		0 VA					AFCI		A SPARE
9 SPARE	20 A	1	AFCI				0 VA		0 VA						AFCI		A SPARE
1 SPARE	20 A	1	AFCI				0 VA	λ		0 VA					AFCI		A SPARE
3 SPARE	20 A	1	AFCI					0 VA		0 VA					AFCI		A SPARE
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										· · · · · · · · · · · · · · · · · · ·							
			Load Description	Connected Load (VA)		Estimated Demand	Connected Load		Amps (A)	Panel Options		Circuit	Breaker Options				
			Lighting	1320VA	100.00%	1320 VA	Phase A:	2280	19 A	Voltage:	208Y/120V, 3Ø, 4W	AFCI	Arc Fault Circuit Interru	upter			
			Receptacle	2520 VA	71.700%	1807 VA	Phase B:	1560	13 A	Mains:	MLO	GFCI	GFCI-Personnel (4-6 n	nA)			
			Motor	0 VA	25.00%	0 VA	Phase C:	1320	11 A	Rating:	10k AIC	GF-E	GFCI-Equipment (30 n	nA)			
			HVAC	0 VA	0.00%	0 VA	Total Conn. Loa	d : 5160 V	4	Minimum Bus	225 A	GFP	Ground Fault Protection	n			
			Equipment	1200 VA	100.00%	1200 VA	Total Est. Dema	nd: 4447 V	4	Mounting:	Surface	ST	Shunt Trip				
			Heating	0 VA	0.00%	0 VA	Total Conn.:	14 A		Enclosure Type:	Type 1	L-ON	CB Lock in Closed Pos	sition			
			Kitchen Equipment	0 VA	0.00%	0 VA	Total Est. Dema	nd : 12 A		Isolated Ground:	NO	L-OFF	CB Lock in Open Posit	ion			
			Washer	0 VA	0.00%	0 VA				Sub-feed Lugs:	NO	TC/TC	Timeclock On/Timeclo	ck Off			
			Dryer	0 VA	0.00%	0 VA				Feed-thru Lugs:	NO	PC/TC	Photocell On/Timecloc	k Off			
			Non-continuous Load	0 VA	0.00%	0 VA	Notes			_		PC/PC	Photocell On/Photocell	Off			

Description	Trip	Poles	Options	Wire and Conduit	A	В	С	A	В	С	Wire and Conduit	Options	Poles	Trip	Description
AC CONDENSOR UNIT	70A	3	-	#4 Cu, 1 " EMT	6477 VA			1800 VA			#10 Cu, 1/2 " EMT	AFCI	3	30 A	GAR. AIR COMPRESSOR
AC CONDENSOR UNIT	70A	3		#4 Cu, 1 " EMT		6477 VA			1800 VA		#10 Cu, 1/2 " EMT	AFCI	3	30 A	GAR. AIR COMPRESSOR
AC CONDENSOR UNIT	70A	3		#4 Cu, 1 " EMT			6477 VA			1800 VA	#10 Cu, 1/2 " EMT	AFCI	3	30 A	GAR. AIR COMPRESSOR
AHU	30A	3		#10 Cu, 1/2 " EMT	2147 VA			576 VA			#14 Cu, 1/2 " EMT	AFCI	2	20 A	VAV #1
AHU	30A	3		#10 Cu, 1/2 " EMT		2147 VA			576 VA		#14 Cu, 1/2 " EMT	AFCI	2	20 A	VAV #1
AHU	30A	3		#10 Cu, 1/2 " EMT			2147 VA			576 VA	#14 Cu, 1/2 " EMT	AFCI	2	20 A	VAV #2
VAV #3	20A	2		#14 Cu, 1/2 " EMT	576 VA			576 VA			#14 Cu, 1/2 " EMT	AFCI	2	20 A	VAV #2
VAV #3	20A	2		#14 Cu, 1/2 " EMT		576 VA			576 VA		#14 Cu, 1/2 " EMT	AFCI	2	20 A	VAV #4
VAV #5	20A	2		#14 Cu, 1/2 " EMT			1152 VA			576 VA	#14 Cu, 1/2 " EMT	AFCI	2	20 A	VAV #4
VAV #5	20A	2		#14 Cu, 1/2 " EMT	1152 VA			1152 VA			#14 Cu, 1/2 " EMT	AFCI	2	20 A	VAV #6
VAV #7	20A	2		#14 Cu, 1/2 " EMT		576 VA			1152 VA		#14 Cu, 1/2 " EMT	AFCI	2	20 A	VAV #6
VAV #7	20A	2		#14 Cu, 1/2 " EMT			576 VA			1152 VA	#14 Cu, 1/2 " EMT	AFCI	2	20 A	VAV #8
VAV #9	20A	2		#14 Cu, 1/2 " EMT	576 VA			1152 VA			#14 Cu, 1/2 " EMT	AFCI	2	20 A	VAV #8
VAV #9	20A	2		#14 Cu, 1/2 " EMT		576 VA			576 VA		#14 Cu, 1/2 " EMT	AFCI	2	20 A	VAV #10
VAV #11	20A	2		#14 Cu, 1/2 " EMT			576 VA			576 VA	#14 Cu, 1/2 " EMT	AFCI	2	20 A	VAV #10
VAV #11	20A	2		#14 Cu, 1/2 " EMT	576 VA			576 VA			#14 Cu, 1/2 " EMT	AFCI	2	20 A	VAV #12
VAV #13	30A	2		#10 Cu, 1/2 " EMT		2310 VA			576 VA		#14 Cu, 1/2 " EMT	AFCI	2	20 A	VAV #12
VAV #13	30A	2		#10 Cu, 1/2 " EMT			2310 VA			1152 VA	#14 Cu, 1/2 " EMT	AFCI	2	20 A	VAV #14
					0 VA			1152 VA			#14 Cu, 1/2 " EMT	AFCI	2	20 A	VAV #14
						0 VA			0 VA						
							00 VA			0 VA					
					0 VA			0 VA							
						0 VA			0 VA						
							0 VA			0 VA					
					0 VA			0 VA							
						0 VA			0 VA						
							0 VA			0 VA					
Load Description	Connect Load (V			Estimated Demand	Connecte	ad Lood	Load (VA)	Amps (A)	Panel O	ntiono			Cir	ouit Dr	eaker Options
Lighting	OVA		00%	720 VA	Phase A:		18488	154	Voltage	•	208Y/120	V 3Ø 4W			Fault Circuit Interrupter
Receptacle	0 VA		.0%	904 VA	Phase B:		17918	149	Mains:	•	MLO	v, o.o., 111	_		CI-Personnel (4-6 mA)
Motor	0 VA		00%	0 VA	Phase C:		19070	159	Rating:		10k AIC		_ GF		CI-Equipment (30 mA)
HVAC	50076 V			25038VA	-	nn. Load:	55476 V		Minimur	m Bus	225 A		_		ound Fault Protection
Equipment	5400 \		.5%	1350 VA		. Demand			Mountin		Surface		– ST		unt Trip
Heating	0 VA		00%	0 VA	Total Co		. <u>20300 v</u> 154A			ire Type:	Type 1		_		Lock in Closed Position
Kitchen Equipment	0 VA		00%	0 VA		. Demand				Ground:	NO		_		Lock in Open Position
Washer	0 VA		00%	0 VA	- Jui La	. Domana	. 10/1		Sub-fee		NO		_		neclock On/Timeclock Off
Dryer	0 V		00%	0 VA						u Lugs. ru Lugs:	NO		_		otocell On/Timeclock Off
Non-continuous Load	0 VA		00%	0 VA	Notes				ı ccu-ull	iu Luys.	110		_		otocell On/Photocell Off

Description		Poles	Options		Notes				A	В	C A	В	С	Notes			Wire and Conduit	Options	Poles		Description	
ATS #1	70 A	3		#4 Cu, 1 " EMT					1200VA		1200 VA						#4 Cu, 1 " EMT		3		ATS #2	
ATS #1	70 A	3		#4 Cu, 1 " EMT					12	200 VA		1200 VA					#4 Cu, 1" EMT		3		ATS #2	
ATS #1	70 A	3		#4 Cu, 1 " EMT							1200 VA		1200 VA				#4 Cu, 1 " EMT		3		ATS #2	
SPARE	20 A	1	AFCI						0 VA		0 VA							AFCI	1		SPARE	
SPARE	20 A	1	AFCI							0 VA		0 VA						AFCI			SPARE	
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						Connected		Estimated			Load Amps				A.							
					Description	Load (VA)		Demand	Connected L		(VA) (A)	Panel Op	tions	0001/4001/400		Breaker Options						
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				Recept	acle	0 VA	0.00%	0 VA	Phase B:		5,800 VA 140 A	Mains:		MLO	GFCI	GFCI-Personnel (4-6 r						
				Motor		0 VA	0.00%	0 VA	Phase C:		6,800 VA 140 A	Rating:	_	20k AIC	GF-E	GFCI-Equipment (30 n						
				HVAC		0 VA	0.00%	0 VA	Total Conn.	-	50,400 VA	Minimum		225 A	GFP	Ground Fault Protection	n					
				Equipn		0 VA	100.00%	0 VA	Total Est. De	-		Mounting		Surface	ST	Shunt Trip						
				Heating		0 VA	0.00%	0 VA	Total Conn.:	-	140 A	Enclosur		Type 1	L-ON	CB Lock in Closed Pos						
					n Equipment	0 VA	0.00%	0 VA	Total Est. De	emand:	47 A	Isolated (NO	L-OFF	•						
				Washe	r	0 VA	0.00%	0 VA				Sub-feed	_	NO	TC/TC							
				Dryer		0 VA	0.00%	0 VA				Feed-thru	ı Lugs:	NO	PC/TC							
				Non-co	ntinuous Load	0 VA	0.00%	0 VA	Notes						PC/PC	Photocell On/Photocel	l Off					
				ATS#	1	25,200 VA	50.00%	12,600 VA														
				Non-co	ntinuous Load	25,200 VA	17.60%	4,447 VA														

GENERAL NOTES:

1. Breaker to be wired by v.a. Staff and left as spareper this contract.



10

KEY PLAN

		CONCLUTANTO.	ADCLUTECT/ENICINIEEDC.	NODTII.	APPROVED:	APPROVED:	Drawing Title	Project Title	Project Number	
		CONSULTANTS:	ARCHITECT/ENGINEERS:	NORTH:			New Electrical Panel Schedules		620 20 206	
					APPROVED:	APPROVED:	Ground Floor	Firehouse Enhancement at FDR	Building(s) Number	Engineering
Bid Documents	08-17-2021			S N	711110125.	741110125.	Drawing Scale: N.T.S.		10	
100% Working Drawings Submission	08-16-2021								19	Service
95% Working Drawings Submission	05-21-2021				APPROVED:	APPROVED:	Approved: Facility Director , VAHVHCS:	Location	Drawing Number	
65% Working Drawings Submission	02-26-2021							Montrose, NY 10548		
35% Working Drawings Submission	06-25-2018			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	APPROVED:	APPROVED:	Approved: John Cliffe, Facility Chief of Engineering	Date Checked Drawn	\exists ES 600	
100% Preliminary Design Submission	10-05-2017			77	ATTOVED.	ATTIOVED.	Approved. John Onne, I donney Office of Engineering	OO 20 2021 LC AMI	ES 600	Department of Votorous Affairs
Revisions:	Date:							08-30-2021 LS AMI	Dwg. 49 of 61	Veteralis Alfalis
VA FORM 08-6231, OCT 1978										

one eighth inch = one foot

one quarter inch = one foot

10 PLUMBING GENERAL NOTES: 27. FOR FUTURE FIXTURES IN UTILITY ROOMS PROVIDE PLUMBING TEES - 1" C.W. **GENERAL** AUTOMATIC VAPOR PROOF GENERAL PLUMB. SYMBOLS HOURSE POWER VTR VENT THROUGH FOR #16, ³/₄" C.W., ³/₄" H.W. FOR #18 AND #20. **ABBREVIATIONS:** HT HEIGHT ROOF DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF WASTE, SOIL PIPE HIGH VOLTAGE 28. INSTALLATION SHALL BR INSTALLED IN STRICT CONFORMITY WITH ALL SYSTEMS AND WORK. FOLLOW DRAWING IN LAYING OUT WORK AND CHECK HEATING, WIRE REQUIREMENTS OF THE NEW YORK CITY PLUMBING CODE AND ALL PERTINENT -VENT PIPE DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS. MAINTAIN WITH **VENTILATION. & AIR** REFERENCE STANDARDS GOVERNING WATER WORK. **AUTOMATIC DOOR** HEADROOM AND SPACE CONDITIONS. WATER CLOSET CONDITIONING DROP IN WP OR SP WALL CLEAN OUT HOT WATER 29. WATER INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE BUREAU AIR CONDITIONING EXACT LOCATIONS OF ALL PLUMBING FIXTURES, DEVICES, WATER PUMPS, HWR HOT WATER RETURN WALL HYDRANT OF WATER SUPPLY REQUIREMENTS INCLUDING THE RPZ INSTALLATION AND A.C.T ACOUSTICAL CEILING EQUIPMENT, AND ACCESSORIES SHALL BE AS INDICATED ON ARCHITECTURAL \leftarrow RUNNING TRAP FIRE SERVICE ASSEMBLIES. WATER HAMMER HOT WATER RETURN AND/OR PLUMBING DRAWINGS. REFER TO PLUMBING DWGS. SHEET "PL 100" ARRESTER CIRCULATION AMPERE FRAME CLEAN OUT (IN FLOOR) FOR DIMENSIONED LOCATIONS. WIRE MESH 30. ALL WATER SUPPLIES SHALL BE OVER THE RIM SUPPLY OR SHALL BE ABOVE FINISHED INCH WASTE PIPE PROVIDED WITH APPROVED TYPE VACUUM BREAKERS INCLUDING ALL WATER FLOOR VERIFY LOCATIONS OF FIXTURES, DEVICES, IN FINISHED AREAS WITH CLEAN OUT (IN PIPE) WATER TIGHT CLOSET FLUSH VALVES, INCLUDING, HOSE BIBB CONNECTIONS. INVERT ELEVATION AIR HANDLING UNIT ARCHITECTURAL DRAWINGS OF INTERIOR DETAILS AND FINISH. IN CENTERING ICE WATER AL./ALUM. ALUMINUM REFRIGERANT PIPING OUTLETS AND DEVICES, ALLOW FOR OVERHEAT PIPES, DUCTS AND **├** TRANSFORMER 31. ALL WATER PIPING SHALL BE SIZED TO PRODUCE VELOCITIES NOT IN EXCESS ICE WATER RETURN APPROX. APPROXIMATE MECHANICAL EQUIPMENTS, VARIATIONS IN FIREPROOFING AND PLASTERING, OF 8 FEET PER SECOND AND SHALL HAVE A MINIMUM OF 20 P. S. I. AT EVERY ACID RESISTAN INCREASER OR REDUCER WINDOW AND DOOR TRIM, PANELING, HUNG CEILINGS AND THE LIKE. FIXTURE UNLESS OTHERWISE DIRECTED OR NOTED. ASSEMBLY CORRECT ANY INACCURACY RESULTING FROM FAILURE TO DO SO WITHOUT INCAND INCANDESCENT AMPERE TRIP PLUGGED INLET EXPENSE TO OWNER. INTR INTERIOR 32. EXPANSION LOOPS AND ANCHORS SHALL BE PROVIDED FOR EXPANSION IN ATS AUTOMATIC JUNCTION BOX HW AND HOT RECIRCULATING PIPING LINES. TRANSFER SWITCH BACK FLOW VALVE ALL ACCESS DOOR LOCATIONS SHALL BE REVIEWED BY ARCHITECT PRIOR TO \leftarrow **AVERAGE** INSTALLATION. LAVATORY 33. ALL CONNECTIONS TO EQUIPMENT OF DISSIMILAR MATERIAL SHALL BE LAV DOMESTIC COLD WATER LTCP LOCAL PROVIDED WITH DIELECTRIC UNIONS. BARE COPPER ALL WORK IS NEW AND WILL BE INSTALLED TO V.A. SPECIFICATIONS AND **TEMPERATURE BOILER PLANT** DOMESTIC HOT WATER EXISTING TO BROUGHT UP TO CODE OR OTHERWISE SPECIFIED IN WRITING. 34. PROVIDE VALVES ON ALL BRANCH LINES TO EACH FIXTURE AND EQUIPMENT CONTROL PANEL INSTRUMENTATION INCLUDING BRANCH FROM MAINS. AND FROM RISERS. ALL RISERS AND MAINS. LTG LIGHTING PANEL ANY ISSUES WITH NEW LOCATIONS TO BE BROUGHT TO ENGINEERING'S DOMESTIC HOT WATER CIRCULATION SHALL BE PROVIDED WITH VALVES. ALL EXPOSED VALVES & HANDLES SHALL LTS LIGHTS **BACK FLOW** ATTENTION VERBALLY AND IN WRITING. ALL FINAL DECISIONS MUST BE BE CHROME PLATED. LV LOW VOLTAGE PREVENTER NATURAL GAS APPROVED BY ENGINEERING SERVICE PRIOR TO WORK STARTING. _____ BUILDING MASTER ANTENNA 35. WHERE BRANCH SUPPLIES ARE TRAPPED, AT LOW POINTS, AND WHERE BACK WATER VALVE \leftarrow $| \bigvee - \cdots \rangle$ ICE WATER CONTRACTOR SHALL PERFORM ALL PLUMBING IN ACCORDANCE WITH THE TELEVISION BRANCH OR MAINS SUPPLY FIXTURES OR EQUIPMENT ARE LOCATED HIGHER LATEST EDITION OF THE NATIONAL PLUMBING CODE, ALL FEDERAL, STATE THAN SUPPLY MAIN, PROVIDE DRAIN BIBBS ON LINE. MAIN CIRCUIT CONDUIT \leftarrow IWR \rightarrow ICE WATER RETURN LOCAL RULES, LAWS, REGULATIONS, VETERANS AFFAIRS (VA) BREAKER COMPRESSED AIR SPECIFICATION. MOTOR CONTROL 36. PRESSURE REDUCING VALVES SHALL BE PROVIDED ON ALL WATER LINES CLOSED CIRCUIT T.V. \leftarrow CA \longrightarrow COMPRESSED AIR CENTER WHERE THE PRESSURE EXCEEDS 85 P.S.I. TENANT FOR EACH RETAIL SPACES CB, C/B CIRCUIT BREAKER CONTRACTOR SHALL INSTALL "K" COPPER, DRAWN, FOR ALL DOMESTIC SHALL PROVIDE THEIR OWN PRV ASSEMBLY TO SUIT. MAIN DISTRIBUTION CFS CUBIC FEET PER ANCHOR \leftarrow WATER LINES INSTALLED AS PART OF THIS PROJECT, UNLESS SPECIFICALLY PANEL SECOND DESIGNATED ELSEWHERE IN THE PLANS, SPECIFICATIONS, OR BY THE 37. ALL VALVES, SHOCK ABSORBERS, EXPANSION LOOPS AND OTHER ITEMS MAIN LUGS ONLY CAST IRON RISE OR DROP IN STEAM PIPING CONTRACTING OFFICER. \longrightarrow CONCEALED SHALL BE PROVIDED WITH ACCESS DOORS FOR ACCESSIBILITY MANHOLE CKT CIRCUIT FOR SAME. MINIMUM CEILING STRAINER, STRAINER WITH BLOW-OFF CONTRACTOR SHALL SOLDER USING LEAD FREE SOLDER ONLY. \leftarrow MO MASONRY OPENING ONCRETE MASONRY VALVE MTD MOUNTED 38. FOR ALL EQUIPMENT AND FIXTURES FURNISHED BY OTHERS, THIS CONTRACTOR SHALL CORE DRILL ANY OPENING THRU CONCRETE WITH MTG HT MOUNTING HEIGHT CONTRACTOR SHALL VERIFY EXACT LOCATION AND PIPE SIZES PRIOR TO **CLEAN OUT** \leftarrow GATE VALVE DIAMOND CORE DRILL. CONTRACTOR SHALL SUPPLY, PROVIDE AND USE FABRICATION OR INSTALLATION OF SAME. CONNECTION APPROPRIATE WET VACS, DROP CLOTHS, OR ANY OTHER DEVICE TO NORTH CONT CONTINUED \leftarrow GLOBE VALVE PROTECT GOVERNMENT PROPERTY DURING THIS OPERATION. THE N/A NOT APPLICABLE 39. ALL WATER BRANCHES SHALL BE OFFSET SUFFICIENTLY TO CLEAR ALL COLD WATER CONTRACTOR SHALL BE FURTHER ADVISED THAT THIS PROTECTION IS RECESSED CABINETS AND EQUIPMENT LOCATED IN PARTITIONS. NEW CONNECTION CWR COLD WATER CHECK VALVE $\leftarrow + \varnothing + \longrightarrow$ EXTENDED TO THE FLOOR BELOW. NON-FUSED SAFETY RETURN SWITCH 40. BACKFLOW PREVENTION SHALL BE INSTALLED IN STRICT ACCORDANCE WITH CONTRACTOR SHALL INSTALL SLEEVES (BLACK IRON) ON ALL CONCRETE THE NYS CROSS CONNECTION CONTROL. NOT IN CONTRACT DIRECT BURIAL OPENINGS. THIS SLEEVE SHALL BE WIDE ENOUGH SUCH THAT INSULATION NON-CONTROLLED DRINKING FOUNTAIN WILL BE CONTINUOUS THRU THE SLEEVE. 41. IF A PIPE IS NOT SIZED REFER TO FLOOR PLANS OR SIMILAR PIPING FOR PIPE 24HR LIGHT DOWN SPOUT NUMBER NOZZLE AUTOMATIC ZONE CONTROL VALVE AND CONTRACTOR SHALL INSULATE ALL HOT WATER, COLD WATER, STEAM, NTS NOT TO SCALE PIPING BETWEEN CONDENSATE RETURN, HOT WATER RETURN PIPING, INCLUDING ALL FITTINGS **FLOORS** WITH SPECIFIED INSULATION, ELBOWS, TEE'S, SHALL BE INSULATED WITH OPPOSITE DOWN SPOUT \leftarrow + (|)+ \rightarrow THERMOSTATIC STEAM TRAP PLASTIC COVERS FILLED WITH FIBERGLASS INSULATION. JACKET SHALL BE DENTAL UNIT ASJ, BANDED AND STAPLED. EXCEPT AS OTHERWISE NOTED ON THE PLANS POLE \longrightarrow DISH WASHER FLOAT AND THERMOSTATIC STEAM TRAP AND SPECIFICATIONS. PULL BOX DRAWING PREFABRICATED -DUMB WAITER TWO-WAY TEMPERATURE CONTROL \leftarrow 13. CONTRACTOR SHALL LABEL ALL PIPING TO INDICATE FLOW DIRECTION AND BEDSIDE PATIENT (MODULATING) VALVE POWER UNIT **EMPTY CONDUIT** PREVENTATIVE FLOOR DRAIN THERMOMETER CONTRACTOR SHALL INSTALL 3 PIECE FULL PORT BALL VALVES FOR INFLUX VALVE **EMERGANCY EYE** PLBG PLUMBING PRESSURE GAUGE WITH NEEDLE VALVE PNL PANEL **EQUIPMENT GROUND** COCK. CONTRACTOR SHALL NUMBER AND LABEL ALL VALVES INSTALLED AS PART OF POD POWER OPERATED **EXPANSION JOINT** THIS CONTRACT WITH BRASS TAGS. NUMBERS SHALL BE AS DESIGNATED BY PRESSURE \leftarrow ELECTRIC DISCONNECTION POINT THE CONTRACTING OFFICER. CONTRACTOR SHALL SUBMIT TO THE REDUCING VALVE ELEVATOR CONTRACTING OFFICER A TYPED LIST (4 COPIES) OF ALL VALVES INSTALLED PIPE SLEEVE **EMERGENCY** NEW CONNECTION POINT AS PART OF THIS PROJECT. THIS LIST SHALL BE INCLUSIVE AND INCLUDE, AS POWER TYPE ROOF EQPM **EQUIPMENT** A MINIMUM, THE FOLLOWING INFORMATION IN TABULAR FORM: VALVE VENTILATION EXP, XP **EXPANSION PROOF** CARBON MONOXIDE GAS SENSOR MARK-LOCATION-SIZE-TYPE-MANUFACTURER-FUNCTION. POWER PWR EXTERIOR EXISTING CARBON DIOXIDE GAS SENSOR CONTRACTOR SHALL INSTALL ALL PIPING IN A NEAT, PROFESSIONAL MANNER. RECEPT RECEPTACLE **ELECTRIC WATER** INDEPENDENTLY SUPPORTED FROM OTHER UTILITIES. REMOTE GROUND $\langle S \rangle$ COOLER SMOKE DETECTOR INDICATOR PANEL 17. CONTRACTOR SHALL USE EXPANSION BOLTS (DRILLED) ONLY WHEN ROOF DRAIN FIRE ALARM AUTOMATIC ELECTRICAL OPERATING ANCHORING INTO CONCRETE. USE OF EXPLOSIVE SHOTS ARE PROHIBITED ——— ALD PIPE RISE BETWEEN FIRE ALARM WHEN ANCHORING INTO CONCRETE. **FLOORS** CONTROL PANEL ROOM \bigcirc FAN COIL UNIT PRESSURE GAUGE CONTRACTOR SHALL SAW CUT ANY INTERIOR OR EXTERIOR CONCRETE OR REDUCE PRESSURE -FLOOR DRAIN ASPHALT BEFORE REMOVING SAME. ZONE **VOLUME DAMPER** FINISH FLOOR FIRE HOSE & RACK CONTRACTOR SHALL INSTALL KEYLESS SHUTOFF VALVES ON ALL NEW SANITARY THERMOSTAT - ELECTRIC (24V) -FILM ILLUSTRATOR FIXTURES AND TURN OVER TO THE CONTRACTING OFFICER 2 SETS OF KEYS SHOWER CURTAIN NON-PROGRAMMABLE FIXTURE FOR EACH FIXTURE. SHOWER HEAD **FLOOR** - SHOWER THERMOSTAT - 7 DAY PROGRAMMABLE FLUORESCENT 20. CONTRACTOR SHALL, PRIOR TO THE INSTALLATION OF ANY FIXTURE, TRIM, - SIGNAL FIRE RISER CARRIER, SUBMIT FOR APPROVAL, MANUFACTURERS LITERATURE FOR ALL SOIL PIPE TEMPERATURE SENSOR FLAME SAFEGUARD SAFETY SWITCH CONTROL SWITCH STA - STATION SPACE HUMIDISTAT **FUSED SAFETY** 21. CONTRACTOR SHALL TEST, IN THE PRESENCE OF THE VA CONTRACTING SQUARE FEET SWITCH OFFICER, ALL PIPING AND SUBMIT TO THE CONTRACTING OFFICER 4 COPIES SPACE HUMIDITY SENSOR OF THE TESTING REPORT. TESTING SHALL BE AS INDICATED IN THE TERRA COTTA CONTRACT SPECIFICATIONS. THERMOSTATIC CSP GENERATOR UNIT CONTROL SYSTEM PILOT MIXING VALVE **GROUND FAULT** CONTRACTOR SHALL SUPPLY AND INSTALL UNIONS ON ALL VALVES, GAUGES, TH./THK. THICKNESS LOW/HIGH LIMIT DUCT THERMOSTAT INTERUPTER THERMOMETERS, ETC., FOR EASY REMOVAL. TW -TEMPERED WATER GROUND TEMPERED WATER PSH PRESSURE SENSOR SWITCH HIGH **GALLONS PER HOUR** CONTRACTOR SHALL INSTALL DIELECTRIC FITTINGS ON ALL DISSIMILAR RETURN **GALLONS PER** METALS AND ON ALL FERROUS, NON-FERROUS PIPING. CIRCULATION PSL PRESSURE SENSOR SWITCH LOW TYP TYPICAL **GROUND TERMINAL** 24. CONTRACTOR SHALL ADVISE THE CONTRACTING OFFICER, IN WRITING A BOX MINIMUM OF 48 HOURS PRIOR TO THE SHUTOFF OF ANY PLUMBING SYSTEM. UNIT HEATER GYP GYPSUM THE CONTRACTOR SHALL BE ADVISED THAT THE VETERANS AFFAIRS IS UNLESS OTHERWISE G.W.B. **GYPSUM WALL** RESPONSIBLE FOR OPERATING ANY EXISTING UTILITY VALVE. THE NOTED BOARD CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE ANY FAILED VALVE AT NO URINAL ADDITIONAL COST TO THE GOVERNMENT, SHOULD THE CONTRACTOR **HEATING AIR** EXERCISE VALVES WITHOUT THE PROPER AUTHORIZATION. VENT CONDITION VACUUM BREAKER "THERMO VALVE" INDICATES THERMOSTATIC WATER TEMPERATURE CONTROL REFRIGERATION VINYIL COMPOSITE HOSE BIBB HANDHOLE VENTILATION **HOLLOW METAL** Big 26. DRAINS TO CONSIST OF 3/4" GLOBE VALVE WITH HOSE NIPPLE. VESTIBULE **VEST** HOA HAND OFF VERIFY IN FIELD **KEY PLAN** APPROVED: APPROVED: Drawing Title Project Title Project Number **CONSULTANTS:** ARCHITECT/ENGINEERS: NORTH: Plumbing Notes, Abbrev., & Symbols Legend 620-20-206 **Ground Floor** Engineering Building(s) Number APPROVED: Firehouse Enhancement APPROVED: Scale: As Noted **Bid Documents** 019 Service 100% Working Drawing Submission 08-16-2021 APPROVED: APPROVED: Approved: Facility Director, VAHVHCS: **Drawing Number** Location 95% Working Drawing Submission 05-21-2021 Montrose, New York 65% Working Drawing Submission 02-26-2021 PI 000 35% Working Drawing Submission 06-25-2021 APPROVED APPROVED: Approved: John Cliffe, Facility Chief of Engineering

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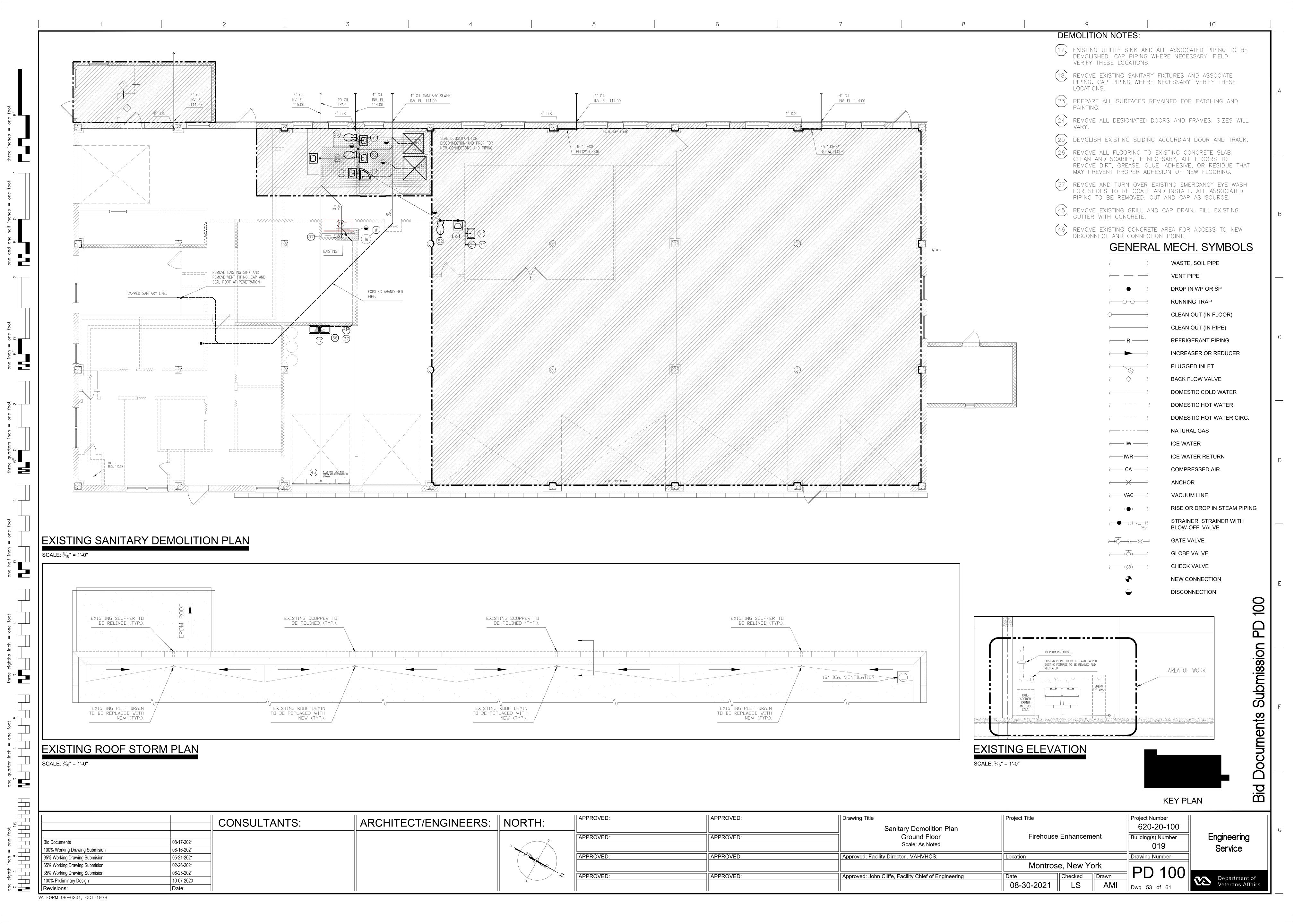
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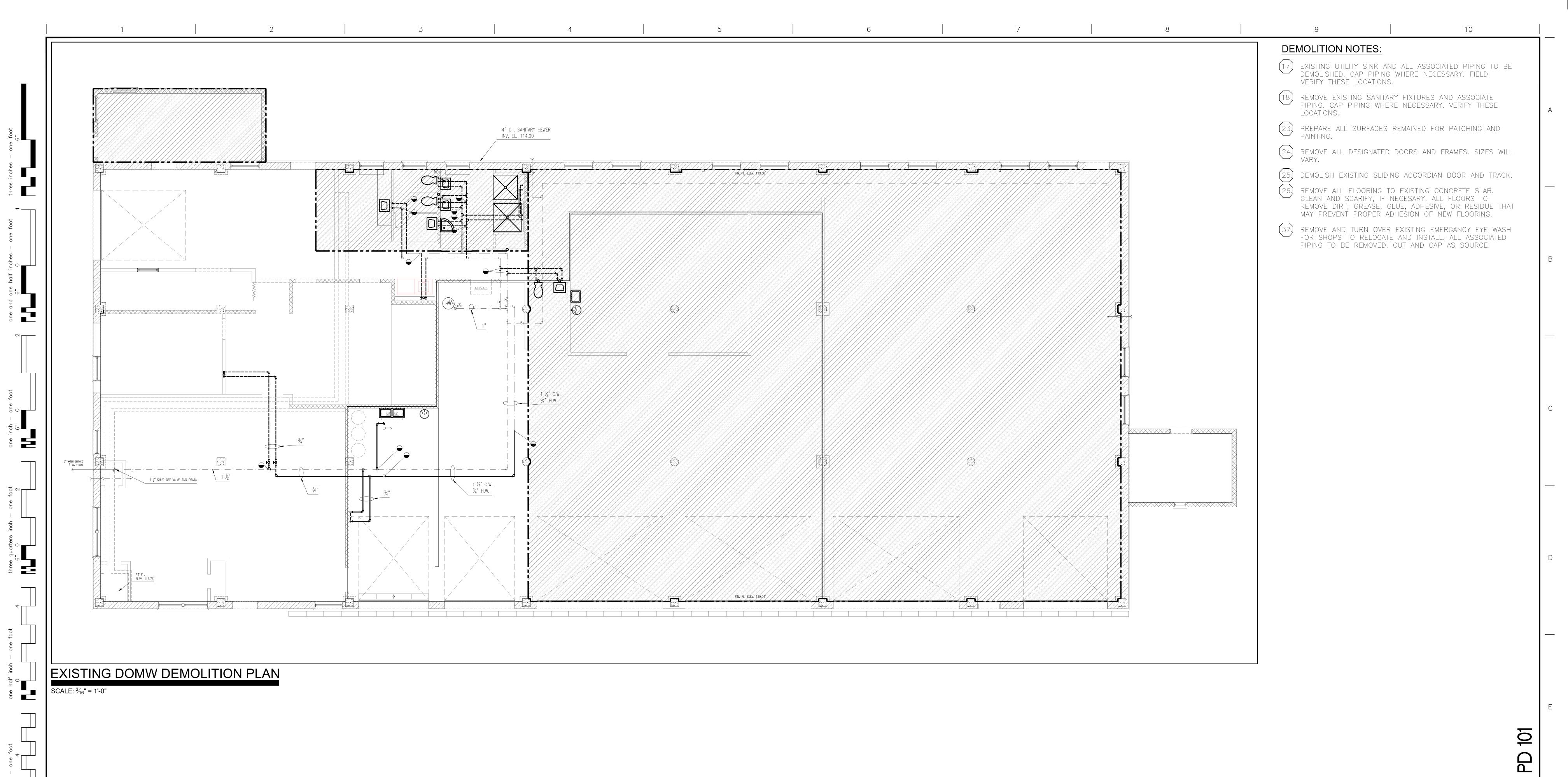
Department of Veterans Affairs

VA FORM 08-6231, OCT 1978

100% Preliminary Design

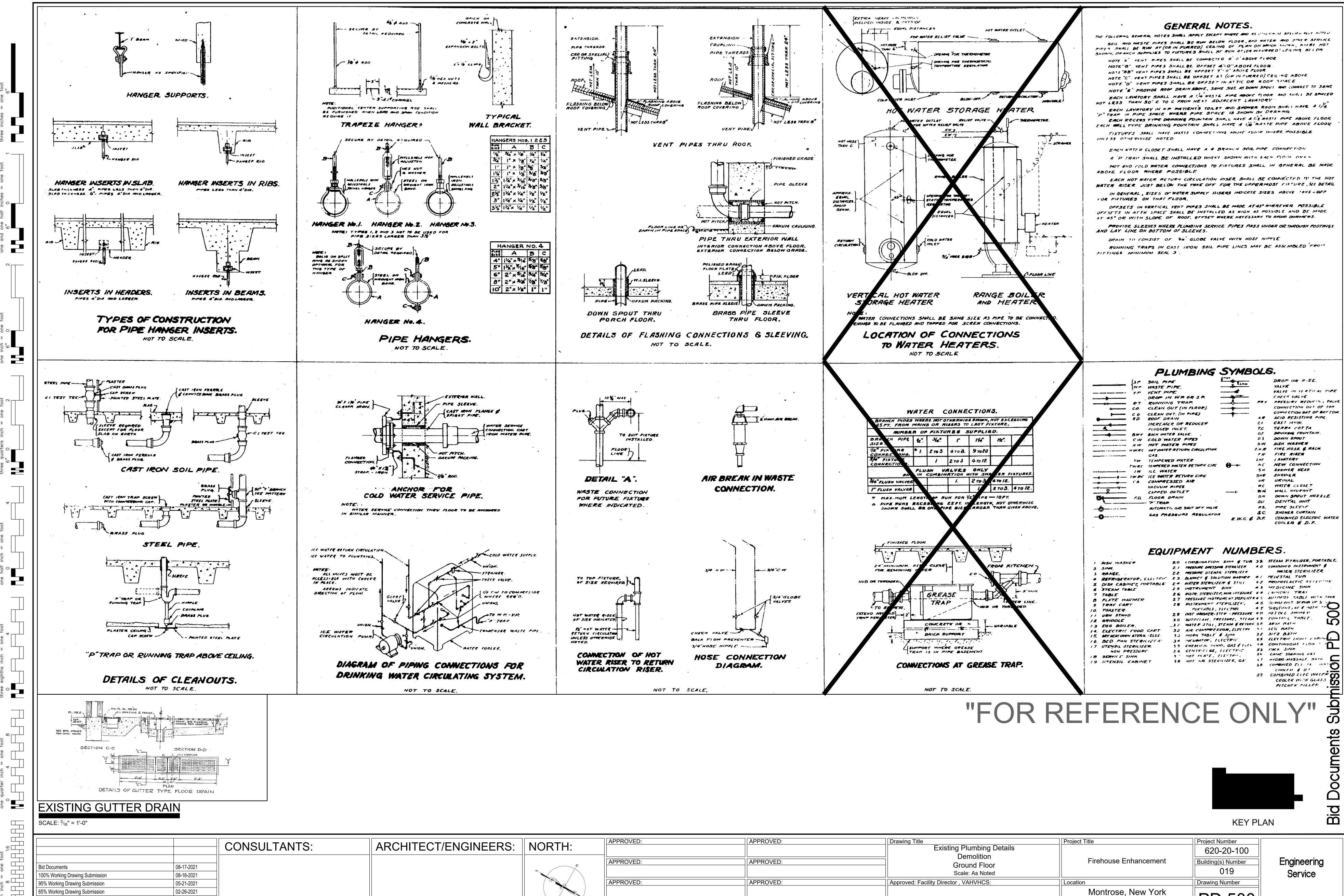
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KEY PLAN

		CONSULTANTS:	ARCHITECT/ENGINEERS:	NORTH:	APPROVED:	APPROVED:	Drawing Title	Project Title	Project Number
		CONSULTANTS.	ARCHIECI/ENGINEERS.				Existing DOMW Demolition Plan		620-20-100
d December	00.47.0004			5	APPROVED:	APPROVED:	Ground Floor	Firehouse Enhancement	Building(s) Number
d Documents 00% Working Drawing Submission	08-17-2021 08-16-2021						Scale: As Noted		019
5% Working Drawing Submission	05-21-2021				APPROVED:	APPROVED:	Approved: Facility Director , VAHVHCS:	Location	Drawing Number
5% Working Drawing Submission	02-26-2021							Montrose, New York	
5% Working Drawing Submission	06-25-2018			 	APPROVED:	APPROVED:	Approved: John Cliffe, Facility Chief of Engineering	Date Checked Drawn	PD 101
00% Preliminary Design	10-07-2017			7	711110125.	7.1.110 125.	7 toprovous commo, r domey officer of Engineering	08-30-2021 LS AMI	



APPROVED:

Approved: John Cliffe, Facility Chief of Engineering

APPROVED:

Department of Veterans Affairs

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Checked Drawn

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100% Preliminary Design

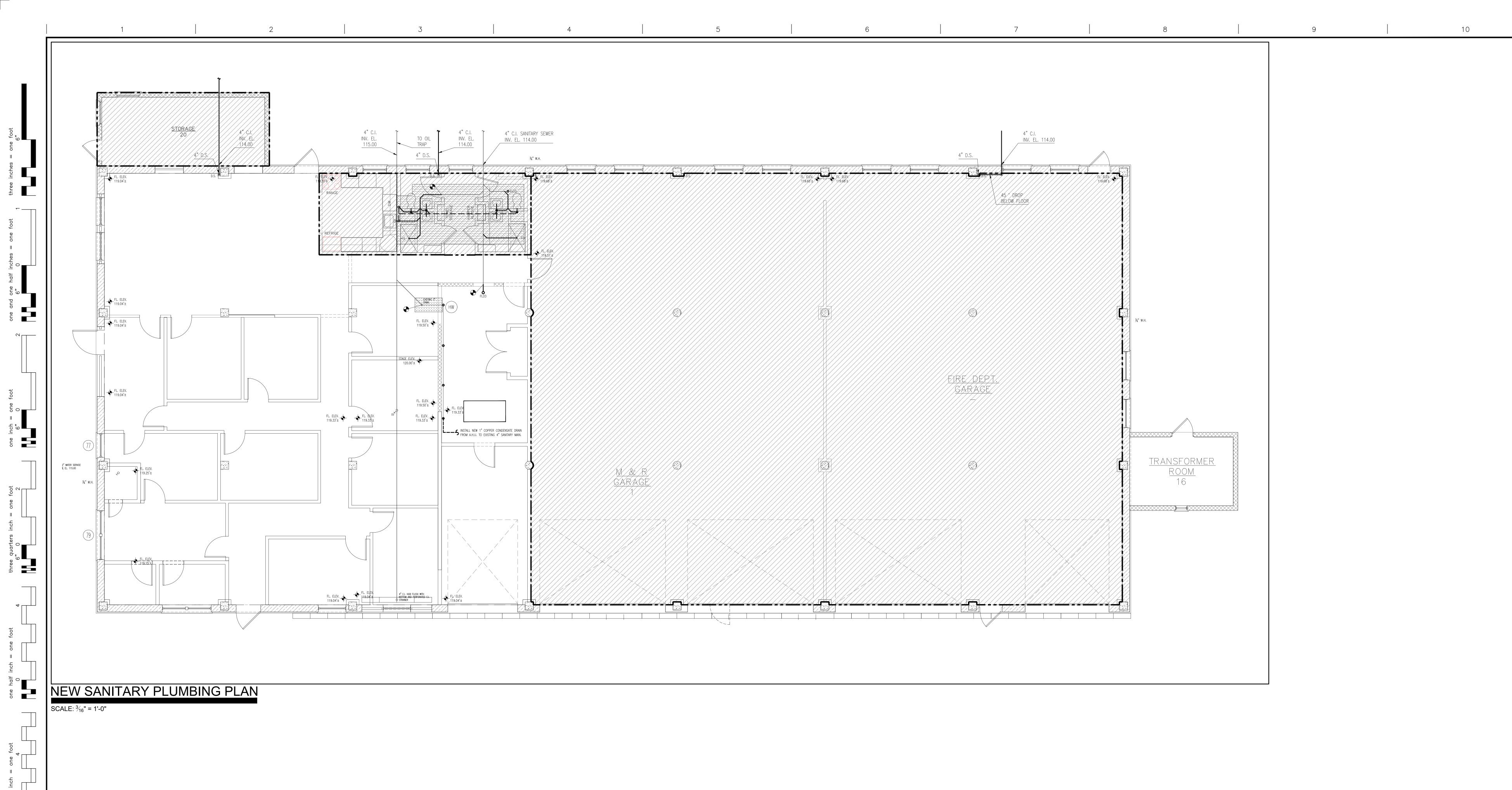
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02-26-2021

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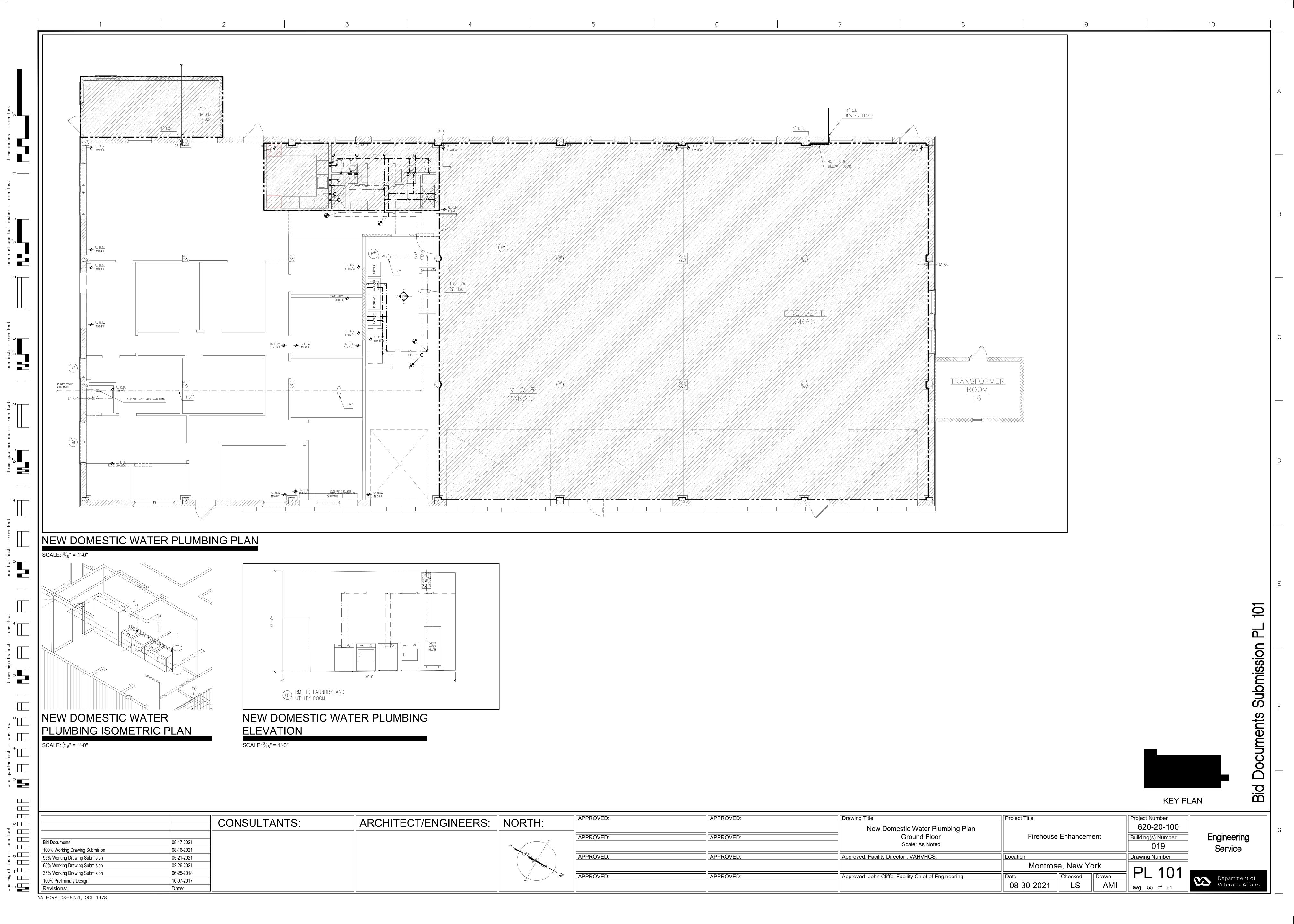
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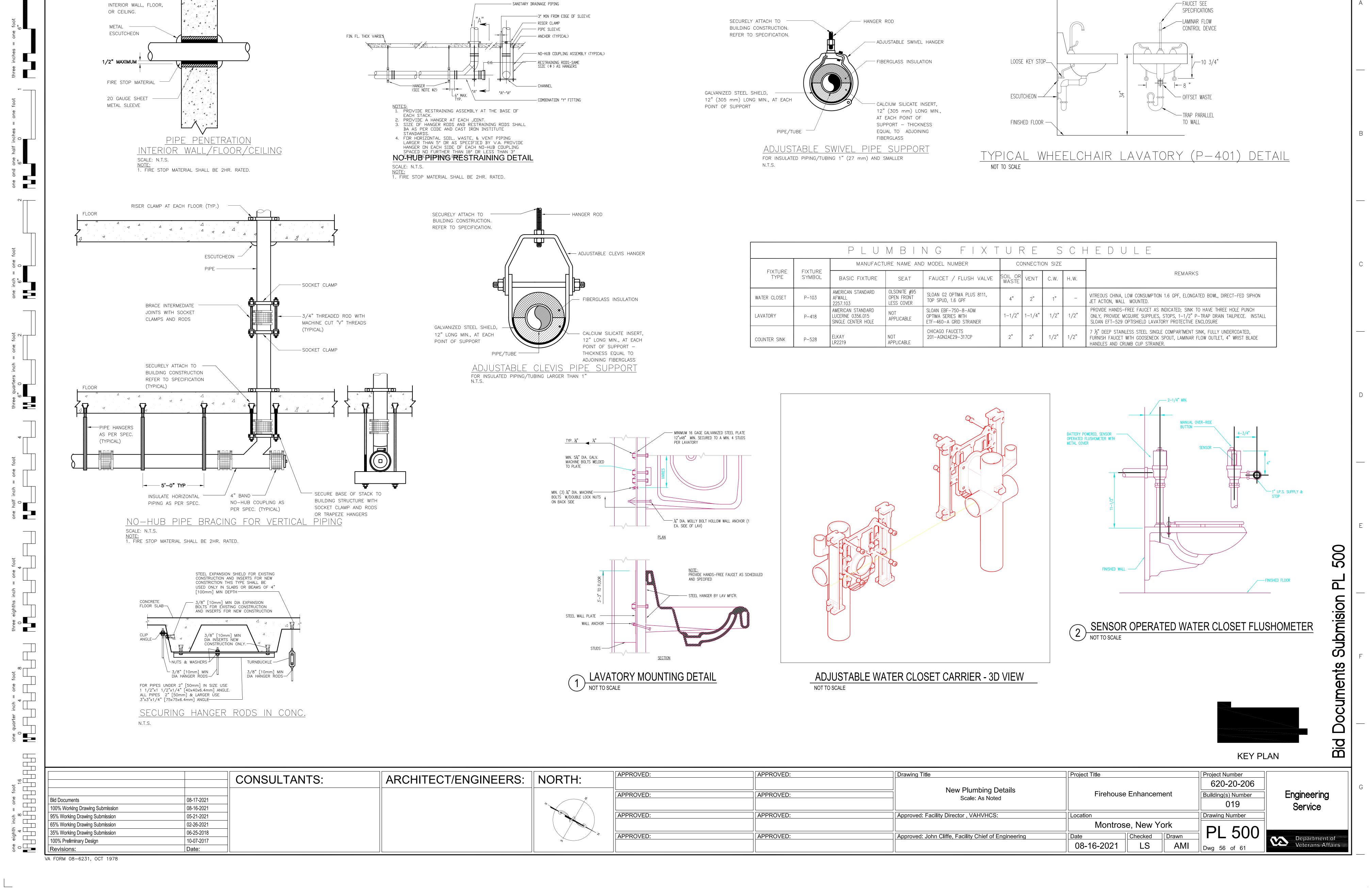


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KEY PLAN

		CONCLUTANTO.	ADCHITECT/ENCINEEDC.	NODTLL	APPROVED:	APPROVED:	Drawing Title	Project Title		Project Number	
		CONSULTANTS:	ARCHITECT/ENGINEERS:	NORTH:			New Sanitary Connections Plan			620-20-100	
DUD.	20.47.0004				APPROVED:	APPROVED:	Ground Floor	Firehouse E	nhancement	Building(s) Number	Engineering
Bid Documents	08-17-2021			9			Scale: As Noted			019	
100% Working Drawing Submission	08-16-2021										Service
95% Working Drawing Submission	05-21-2021				APPROVED:	APPROVED:	Approved: Facility Director , VAHVHCS:	Location		Drawing Number	
65% Working Drawing Submission	02-26-2021							Montrose,	New York	DI 400	
35% Working Drawing Submission	06-25-2018				ADDDOVED:	ADDDOVED.	Approved, John Cliffe, Facility Chief of Engineering			PI 100 □	
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Revisions:	Date:]						08-30-2021	LS AMI	Dwg 54 of 61	veterans Affairs





MASONRY OR CONCRETE

FIRE ALARM GENERAL NOTES ZONE. LIFE SAFETY NOTES: INCAND FIRE ALARM & PROTECTION SYMB. LEGEND: GENERAL INCANDESCENT INTERIOR ALL PIPING, FITTINGS & ASSOCIATED MATERIAL HAS A MAXIMUM INTR **ABBREVIATIONS:** ALL NEW MANUAL PULL STATIONS SHALL BE MOUNTED AT 48" ABOVE THE FIRE SAFETY AND PROTECTION ANALYSIS IS BASED ON THE JUNCTION BOX THE GENERAL NOTES APPLY TO ALL DRAWINGS UNDER THIS WORKING PRESSURE OF 175 P.S.I. - SP - SPRINKLER PIPE VALVE TAMPER SWITCH CONTRACT. REFER TO INDIVIDUAL DRAWINGS FOR ADDITIONAL FINISHED FLOOR. FOLLOWING CODES: NFPA 101 EDITION 2009 **AUTO BALL DRIF** LAT CONTRACTOR SHALL PROVIDE INSPECTOR'S TEST CONNECTION NEW YOR STATE BUILDING CODE ED. 2007 (NYSBC) LAY-IN-TILE ABOVE --- DR --- SPRINKLER DRAIN PIPE WATERFLOW SWITCH (VANE TYPE) LTCP THE BATTERY BACKUP FOR THE FIRE ALARM CONTROL PANEL SHALL LOCAL FOR EACH ZONE, WHICH SHALL BE PIPED TO SPILL OVER FUNNEL OR ALTERNATING THESE DRAWINGS ARE FOR BID PURPOSES. THEY SHOW REQUIRED BESIZED TO PROVIDE 24 HOURS OF STANDBY POWER FOLLOWED BY FLOOR DRAINS. OCCUPANCY CLASSIFICATION. BASED ON CHAPTER 3 OF THE **TEMPERATURE CURRENT ELECTRO-MAGNETIC DOOR HOLDER** — F — FIRE MAIN CONTROL PANEL FEATURES OF THE INSTALLATION. THE CONTRACTOR SHALL SUBMIT 10 MINUTES OF POWER UNDER ALARM CONDITIONS. NYSBC THE BUILDING HAS TO BE CLASSIFIED AS BUSINESS (B) ACCESS DOOR FOR APPROVAL SHOP DRAWINGS DESCRIBING THE INSTALLATION IN ON THE GROUND FLOOR AND AS ASSEMBLY (A2) ON THE FIRST LTG LIGHTING CONTRACTOR SHALL PROVIDE AT THE BASE OF RISER ADO **AUTOMATIC DOOR** ✓ SP ✓ SPRINKLER PIPE TO BE DEMOLISHED 21. IN ALL BUILDINGS THE GROUND FLOOR IS THE "PRIMARY" FLOOR HYDRAULIC FACEPLATES DENOTING THE FOLLOWING INFORMATION: FLOOR, BECAUSE THE AREA OF THE DINING ROOMS 102 AND 103 LIGHTS **OPENER** IS OVER 750 SF. FOR ELEVATOR RECALL AND THE FIRST FLOOR IS THE "ALTERNATE" LOW VOLTAGE AIR CONDITIONING → PIPE UP OR RISE PRESSURE SWITCH THE CONTRACTOR SHALL INSPECT THE WORK AREAS, VERIFY MATV FLOOR. ELEVATOR SMOKE DETECTORS ON ANY FLOOR OTHER THAN LOCATION OF DESIGN AREA MASTER ANTENNA A.C.T **ACOUSTICAL CEILING** BASED ON THE INFORMATION PROVIDED BY VA MONTROSE. THE EXISTING CONDITIONS, DIMENSIONS AND SUBSYSTEMS TO BE THE PRIMARY FLOOR SHALL RECALL ELEVATORS TO THE PRIMARY DISCHARGE DENSITIES TELEVISION LOW AIR PRESSURE SWITCH PIPE DN OR DROP FLOOR. ELEVATOR SMOKE DETECTORS ON THE PRIMARY FLOOR TIED-IN AS PART OF THIS WORK. ALL FIRE ALARM DETECTION REQUIRED FLOWS FIRST FLOOR WILL BE THE BUILDING THEREFOR HAS TO BE MAIN CIRCUIT AMPERE FRAME RESIDUAL PRESSURE DEMAND @ BASE OF RISER BUT NOT COMPONENTS AND SUBSYSTEMS SHALL BE TESTED IN THE SHALL RECALL THE ELEVATORS TO THE ALTERNATE FLOOR. CLASSIFIED AS MULTIPLE OCCUPANCY (NFPA 101 6.1.14.2.3) AND BREAKER A.F.F. ABOVE FINISHED FIRE ALARM BELL PIPE CAPPED MOTOR CONTROL LIMITED TO. AS PER THE REQUIREMENTS OF NFPA-13. SEPARATED OCCUPANCIES (NFPA 101 - 6.1.14.4) PRESENCE OF THE ENGINEER TO DETERMINE THE OPERATIONAL FLOOR STATUS OF THE SYSTEM AND THE COST TO CORRECT ANY 22. INPUT AND CONTROL DEVICE CIRCUITS SHALL BE CLASS A, STYLE 7. CENTER A.H.U. AIR HANDLING UNIT FOPP FIBER OPTIC PATCH PANEL OS & Y GATE VALVE MAIN DISTRIBUTION DEFICIENCIES. NOTIFICATION DEVICE CIRCUITS SHALL BE CLASS B. PROVIDE ADDITIONAL SPRINKLERS UNDERNEATH ALL DUCTWORK EACH PORTION OF THE BUILDING WILL BE INDIVIDUALLY AL./ALUM. ALUMINUM CLUSTER OF PIPING/DUCTWORK & OVERHANGS GREATER THAN 4FT CLASSIFIED AS TO USE AND SHALL BE SEPARATED BY FIRE PANEL APPROX APPROXIMAT UPS UNINTERRUPTIBLE POWER SUPPLY GATE VALVE $\longrightarrow \bigvee \longrightarrow$ MACHANICAL ALL WORK SHALL BE DONE IN COMPLIANCE WITH NFPA CODES AND THE EXISTING ALARM SYSTEM DEVICES TO BE REMOVED ARE TO WIDE IN ACCORDANCE WITH ALL APPLICABLE CODES. BARRIERS IN ACCORDANCE TO TABLE 302.3.2 (NYSBC). ΑT AMPERE TRIP THE DEPARTMENT OF VETERANS AFFAIRS FIRE PROTECTION DESIGN REMAIN THE PROPERTY OF THE VA AND ARE TO BE TURNED OVER MAIN LUGS ONLY ATS AUTOMATIC IM CHECK VALVE ISOLATOR MODULE TO THE VA AT A LOCATION DESIGNATED BY THE VA. ANY ITEM TABLE 32.3.2 REQUIRED SEPARATIONS OF OCCUPANCIES (HOURS MANUAL WHERE CODES AND STANDARDS CONFLICT, THE MOST 10. FIRE EXTINGUISHERS SHALL BE INSTALLED AS PER NFPA-10. MANHOLE TRANSFER SWITC **BUSINESS (B)** STORAGE (S2) MINIMUM STRINGENT SHALL APPLY. DESIGNATED BY THE VA TO BE NON-SALVAGEABLE SHALL BE 2 HOURS RI **AVERAGE** REMOTE INDICATOR AND TEST SWITCH VALVE ON VERTICAL (VOV) MASONRY OPENING ASSEMBLY (A2) STORAGE (S1) 3 HOURS REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR PRIOR TO FABRICATION OF PIPE THAT WILL CONNECT TO **AMERICAN WIRE** AWG AT NO ADDITIONAL COST TO THE VA. EQUIPMENT, PIPE DIMENSIONS SHALL BE VERIFIED AND MODIFIED BUSINESS (B) ASSEMBLY (A2) MOUNTED THE EXISTING FIRE ALARM SYSTEM IN EACH BUILDING IS TO REMAIN 2 HOURS GUAGE EOL SPRINKLER HEAD SEMI-RECESSED PENDENT, QUICK RESPONSE END OF LINE RESISTOR MTG HT MOUNTING HEIGHT FUNCTIONAL AND IN SERVICE DURING THE WORK UNTIL THE NEW AS REQUIRED TO FIT ACTUAL EQUIPMENT INSTALLED ON THE JOB FIRE ALARM SYSTEM FOR THAT BUILDING IS INSTALLED, WHERE NEW KEY-OPERATED PULL STATIONS ARE INDICATED ON ALL OPENINGS AND PAD DIMENSIONS FOR EQUIPMENT SHALL BE IN THE CASE THE BUILDING IS FULLY EQUIPPED WITH AN AUTOMATIC ___ GROUND SPRINKLER HEAD UPRIGHT/ PENDENT, QUICK RESPONSE NORTH OPERATIONAL, AND CONNECTED TO THE FIRE COMMAND STATION THE DRAWINGS ANY KEY-OPERATED PULL STATIONS WHICH WERE VERIFIED AGAINST ACTUAL EQUIPMENT TO BE INSTALLED ON THE SPRINKLER SYSTEM THE FIRE RATINGS CAN BE REDUCED BY 1 HOUR. BARE COPPER NOT APPLICABLE EXCEPTION: A MAXIMUM OF ONE BUILDING AT A TIME MAY BE REMOVED FROM OTHER BUILDINGS MAY BE REUSED AND IN ACCORDANCE TO THE NFPA 101 ED. 2009 "EACH PART OF THE BLDG BUILDING EXISTING SPRINKLER HEAD TO REMAIN TRANSITION BETWEEN UNDERGROUND TEMPORARILY WITHOUT AN OPERATIONAL FIRE ALARM SYSTEM TO REMOUNTED IN THESE NEW LOCATIONS. BUILDING COMPRISING A DISTINCT OCCUPANCY [...] SHALL BE NO AUTOMATIC **BLDGS** BUILDINGS AND ABOVE GROUND CONDUIT. PIPE PENETRATIONS THROUGH FIRE RATED WALLS SHALL HAVE SEPARATED [...] BY FIRE-RESISTIVE ASSEMBLIES. SPRINKLER ALLOW THE REUSE OF EXISTING CONDUIT AND THE CONNECTION OF **BOILER PLANT** EXISTING SPRINKLER HEAD TO BE REMOVED EXISTING TO REMAIN SYSTEMS AND DEVICES. "DOWN TIME" 25. HEAT DETECTORS SHALL BE PROVIDED WITHIN TWO FEET OF FIRE RATED SLEEVES AND SHALL BE CAULKED WITH AN UL NORMALLY CLOSED INSTRUMENTATION MANUAL PULL STATION - FLUSH MOUNTED PERIODS SHALL BE COORDINATED WITH THE V.A. ENGINEERING AUTOMATIC SPRINKLERS IN ELEVATOR SHAFTS AND ELEVATOR APPROVED MATERIALS. TABLE 6.1.14.4.1(b) REQUIRED SEPARATION OF OCCUPANCIES (HOURS) NON-FUSED SAFETY RISER DESIGNATION DEPARTMENT SO A FIRE WATCH CAN BE IMPLEMENTED. MACHINE ROOMS. THE FIXED TEMPERATURE PORTION OF THE HEAT SWITCH MANUAL PULL STATION - SURFACE BUSINESS 2 HOURS DETECTOR SHALL BE LOWER THAN THE ACTUATION TEMPERATURE ALL EXISTING CONDITIONS SHALL BE CHECKED AND VITRIFIED BY ASSEMBLY > 300 TO <1000 NOT IN CONTRACT CONDUIT EXISTING FIRE DEPARTMENT SIAMESE CONNECTION MOUNTED TAMPER SWITCHES, PULL STATIONS, ETC. WHICH CAN ONLY BE OF THE AUTOMATIC SPRINKLER. ACTUATION OF THE HEAT THE CONTRACTOR AT THE SITE. NON-CONTROLLED CCTV CLOSED CIRCUIT T.\ STORAGE-ORDINARY HAZARD CONNECTED TO ONE FIRE ALARM SYSTEM AT A TIME ARE TO REMAIN DETECTOR SHALL AUTOMATICALLY SHUT OFF POWER TO THE ASSEMBLY >300 TO <1000 24HR LIGHT CB, C/B CIRCUIT BREAKER ELECTRO - MAGNETIC DOOR HOLDER NODE POINT SEE HYDRAULIC CALCULATION) CONNECTED TO THE OLD SYSTEM WHILE THE NEW SYSTEM IS ASSOCIATED ELEVATOR. IN BUILDINGS WHERE AUTOMATIC CONTRACTOR SHALL LOCATE SPRINKLER PIPING/ HEADS TO AVOID 2 HOURS NORMALLY OPEN CKT BKR ANY CONFLICTS WITH ANY EXISTING FIXTURES. BUSINESS STORAGE-ORDINARY HAZARD NUMB NUMBER INSTALLED AND WIRED UP TO THE OTHER INPUT DEVICES. ALI SPRINKLERS SHALL BE INSTALLED IN THE FUTURE, HEAT (PIV) CKT CIRCUIT POST INDICATOR VALVE FIRE ALARM BELL 2 HOURS N.T.S. NOT TO SCALE FINAL CONNECTIONS TO THE NEW SYSTEM WIRING SHALL THEN BE DETECTORS SHALL BE PROVIDED WITH FOUR FEET OF FLEXIBLE CEILING MADE AS QUICKLY AS POSSIBLE TO MINIZE THE AMOUNT OF TIME INSTALL CLASS 1 FSP SYSTEM WITH 2-1/2" VALVE WITH CAP & CHAIN METAL CONDUIT TO ALLOW RELOCATION OF THE HEAT DETECTOR FACE COMM COMMUNICATION SPRINKLER RIG (FCVA) FIRE ALARM CONTROL PANEL THAT PORTIONS OF THE BUILDING ARE WITHOUT A WORKING FIRE AT EACH STAIRWELL OCCUPANT LOAD: OPPOSITE UPON INSTALLATION OF THE AUTOMATIC SPRINKLER SYSTEM. CONCRETE OS&Y **OUTSIDE SCREW** THE OCCUPANT LOAD WILL BE DETERMINED BY TABLE 1004.1.2 ALARM SYSTEM, SEE ALSO NOTE 5. Ees ONCRETE MASONRY DOUBLE CHECK DETECTOR ASSEMBLY FIRE COMMAND STATION DRAIN VALVES MUST BE PIPED TO THE EXTERIOR OF THE BUILDING. OF THE NYSBC AND TABLE 7.3.1.2 OF THE NFPA 101 26. ALL MANUAL PULL STATIONS, SPEAKER/STROBE AND STROBES AND YOKE AT ANY TIME DURING THE WORK WHEN A NEW MANUAL PULL SHALL BE SURFACE MOUNTED IN THE ATTIC AREA. ANN FIRE ALARM ANNUNCIATOR PANEL CONNECT TO EXISTING (APPROX. LOCATIONS) REFER TO ARCHITECTURAL DRAWINGS FOR FIRE BARRIER WALLS OCCUPANCY FLOOR AREA IN SQ FT PER OCCUPANT POLE STATION AND AN EXISTING-TO-BE-REMOVED MANUAL PULL STATION DIRECT BURIAL LOCATION. **PULL BOX** ARE MOUNTED SIDE-BY-SIDE. THE INOPERATIVE DEVICE SHALL BE THE EXISTING BASE LOOP SHALL REMAIN IN SERVICE THROUGHOUT F.7. DIRECT CURRENT POINT OF DISCONNECT (APPROX. LOCATIONS) FIRE ALARM TRANSMITTER 100 GROSS PREFABRICATED THE REPLACEMENT OF THE BUILDING'S FIRE ALARM SYSTEMS. THE CLEARLY LABELED SO THAT THE PEOPLE USING THE BUILDING DETECTOR ACCESSORY STORAGE AREAS KNOW THAT THE DEVICE IS NOT IN SERVICE. BASE LOOP JUMPERS SHALL BE REMOVED WHEN THE NEW FIRE FIRE ALARM & PROTECTION DEMOLITION NOTES: **BEDSIDE PATIENT** DIAMETER BATTERY **NEW CONNECTION** ALL EXISTING SYSTEMS SHALL BE LEFT IN PERFECT WORKING POWER UNIT ALARM SYSTEM CONTRACTOR'S TESTS HAVE BEEN COMPLETED. DIAG DIAGRAM ORDER UPOM COMPLETION OF ALL NEW WORK. THE EGRESS CAPACITY IS BASED ON NFPA 101 BECAUSE IS WHERE CONNECTIONS WITH EXISTING EQUIPMENT, SUBSYSTEMS PANEL PIPE DOWN THRU **BACK FLOW SWITCH** SMOKE DETECTOR THE CONTRACTOR SHALL COORDINATE WITH THE VA FIRE **POWER OPERATED** OR EQUIPMENT INSTALLED BY OTHERS ARE REQUIRED, THE MORE STRINGENT THAN NYSBC: EXACT SIZES AND LOCATIONS OF ALL EXISTING PIPING SHALL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION, MAKING DEPARTMENT TO GAIN ACCESS AND ENTRY INTO THE POWER TYPE ROOF TAMPER SWITCH DUCT SMOKE DETECTOR DRAIN BE VERIFIED ON THE JOB SITE PRIOR TO CONSTRUCTIONS AND THE CONNECTIONS AND ANY ADJUSTMENTS NECESSARY TO MAKE COMMUNICATION MANHOLES. THE FIRE DEPARTMENT SHALL TEST TABLE 7.3.3.1 CAPACITY FACTOR VENTILATION PIPE DROP BETWEEN THE FIRE ALARM SYSTEM A COMPLETE AND WORKING SYSTEM THE ATMOSPHERE IN THE MANHOLES AND IMMEDIATELY INDICATE A COPY OF ALL VERIFIED WORK IS TO SUBMITTED TO THE **HEAT DETECTOR FLOORS** CHECK VALVE PROJECT ENGINEER. THE RESULTS TO THE CONTRACTOR, IF AN UNTENABLE CONDITION STAIRWAYS (WIDTH PER PERSON) DRAWING LEVEL COMPONENTS AND RAMPS (WIDTH PER PERSON) ALL FLOOR, WALL AND HORIZONTAL SHAFT PENETRATIONS MADE AS EXIST THE CONTRACTOR SHALL PROVIDE THE NECESSARY 0.2 IN RISER CONTROL DWTR **DUMB WAITER** DISCONNECT SWITCH (FIRE ALARM) FIRE DEPARTMENT CONNECTION ANY EXISTING PIPING REMOVED SHALL NOT BE REUSED UNDER EQUIPMENT AND MONITORING TO MAINTAIN A WORKING VALVE A RESULT OF THE FIRE ALARM WORK SHALL BE SEALED WITH A ANY CIRCUMSTANCES PENETRATION SEAL WHICH IS U.L. LISTED FOR THE SAME FIRE ENVIORMENT. RECEPTACLE STROBE OR FLASHER EMPTY CONDUIT FIRE HOSE CONNECTION (FHR) REMOTE GROUND RATING AS THE ENCLOSURE. **EQUIPMENT GROUND** CONTRACTOR IS REQUIRED TO SUBMIT IN WRITING TO THE **INDICATOR PANEL** 29. ALL HAZARDOUS WASTE (SUCH AS BATTERIES) SHALL BE DESPOSED **EXPANSION JOINT ROOF MANIFOLD** CHIME WHERE EXISTING EQUIPMENT IS REMOVED OR RELOCATED. ANY ARCHITECT OR ENGINEER FOR APPROVAL, PRIOR TO PIPE RISING OF DOCUMENTATION SHALL BE SUBMITTED TO THE VA SHOWING ELEVATION DAMAGED WALLS, FLOORS, CEILINGS, ETC. SHALL BE RESTORED TO INSTALLATION, A COMPLETE DRAWING INDICATING ALL PIPE **BETWEEN FLOORS** THAT THE ITEMS HAVE BEEN DISPOSED OF PROPERLY. AIR HANDLING UNIT ELECTRICAL FIRE EXTINGUISHER SIZES, VAVLES, RISERS, BUILDING SYSTEM EQUIPMENT, ETC. ROOF DRAIN EQUAL FIRE AND SMOKE RESISTANCE AS ADJACENT CONSTRUCTION ELEV. ELEVATOR THE CONTRACTOR SHALL PROVIDE FIBER OPTIC CABLE BETWEEN ROOM AND SURFACES. THE REFINISHED AREA SHALL BE MADE TO MATCH **EMER EMERGENCY** HYDRAULIC NODE POINT PULL STATION-SUPPRESSION SYSTEM EXISTING PIPING NOT SPECIFICALLY INDICATED TO BE RIGID STEEL ADJACENT SURFACES AND FINISHES. THE EXISTING "FOPP" AND THE FIRE ALARM CONTROL PANEL EMT **ELECTRONIC METAL** DEMOLISHED SHALL REMAIN. CONDUIT PROVIDED IN THIS PHASE (II). THE CONTRACTOR SHALL MAINTAIN PULL STATION-KEY OPERATED TUBING ALARM CHECK VALVE (GALVANIZED) ALL CONDUIT, AND SURFACE METAL RACEWAY, SHALL BE INSTALLED THE "CLASS A" RATING OF THE BASE LOOP BY PROVIDING TWO **EQUIPMENT** ALL DEMOLITION OF EXISTING FIRE ALARM AND OR FIRE FIBER OPTIC CABLES IN SEPARATE CONDUIT FROM THE "FOPP" TO ALONG THE HORIZONTAL AND PERPENDICULAR LINES OF THE TERMINAL CABINET EXP. XP **EXPANSION PROOF** DRY VALVE PIPE ASSEMBLY PROTECTION ITEMS CONCEALED, SUCH AS CONDUIT, WIRING SBC SLEEVE BEAM CUT BUILDING AND AT A HEIGHT SO AS NOT TO OBSTRUCT ANY PORTION THE "FACP" CONDUITS SHALL RUN ON OPPOSITE SIDES OF THE EXTR **EXTERIOR** OR PIPING. THAT REQUIRES ACCESS SHALL BE DONE ONCE CORRIDOR. OF A WINDOW, DOORWAY, STAIRWAY, OR PASSAGEWAY AND SHALL SIGNAL **EXTG** WATERFLOW SWITCH EXISTING FIRE ALARM COMMAND STATION SURFACE MOUNTED CONTRACTOR HAS OBTAINED THE ACCESS TO COMPLETE THE NOT INTERFERE WITH THE OPERATION OF OR ACCESS TO ANY **ELECTRIC WATER** DEMOLITION SPECIFIED. ONCE WORK IS COMPLETE THE **RACEWAY** EXISTING MECHANICAL OR ELECTRICAL EQUIPMENT THE CONTRACTOR IS RESPONSIBLE FOR ALL FINAL FIRE ALARM CONTROL PANEL VALVE TAMPER SWITCH COOLER CONTRACTOR SHALL FRAME, PATCH, PLASTER, OR PAINT SAFETY SWITCH CONNECTIONS FROM ANY NEW FIRE ALARM DEVICES ACCESS TO MATCH EXISTING CONDITIONS. FIRE ALARM RISERS SHALL BE ENCLOSED IN RIGID STEEL CONDUIT THIS RESPONSIBILITY SHALL INCLUDE CONNECTION TO STATION PRESSURE SWITCH FIRE ALARM SPRINKLER HEAD WITH THREADED FITTINGS. ALL CONDUIT IN FINISHED AREAS SHALL FACP TO ACCOMMODATE ALL F.A. DEVICES. FOR ALL FACP FIRE ALARM ALLL EQUIPMENT AND INSTALLATIONS SHALL MEET THE SPDR BE CONCEALED WITHIN WALLS OR ABOVE THE CEILING. SHORT WORK INVOLVING FIRE ALARM SYSTEM, COORDINATE SPRINKLER DRAIN **ELECTRICAL PANEL** CONTROL PANE FIRE ALARM COMMAND STATION MINIMUM BUILDING STANDARDS. ANY DEVIATIONS FROM SUCH SPECIFICATION(S) LENGTHS OF FLEXIBLE METAL CONDUIT ("GREENFIELD") SHALL BE WITH COTR. ALL WORK ON THE FIRE SYSTEM MUST BE FAN COIL UNIT STANDARDS WILL BE PERMITTED ONLY IF INDICATED OR PERMITTED WITHIN WALLS TO CONNECT WALL MOUNTED DEVICES DONE BY AN OEM APPROVED INSTALLER AND ALL WORK SQUARE FEET FCU FAN CONTROL UNIT FCVA FLOOR CONTROL **VOLTAGE LINE SURGE SUPPRESSOR** TO THE CONDUIT ABOVE. ADDITIONALLY, FLEXIBLE METAL CONDUIT SPECIFIED IN THE DRAWINGS AND SPECIFICATIONS OR DONE TO BE APPROVED BY THE VA FIRE DEPARTMENT. VALVE ASSEMBL' APPROVED OTHERWISE. TELEPHONE SHALL BE PERMITTED WHERE SPECIFICALLY INDICATED IN THE **ELECTRO-MAGNETIC DOOR HOLDER** MONITOR MODULE (INPUT MODEL) FLOOR DRAIN DRAWINGS. IN UNFINISHED AREAS, RIGID STEEL CONDUIT SHALL BE THE CONTRACTOR SHALL MAINTAIN THE EXISTING FIRE **HEAT-RESISTANT** FHV FIRE HOSE VALVE ALARM SYSTEM IN OPERATION AT ALL TIMES, DURING TO ENSURE CONTINUOUS OPERATION, MAKE ALL NECESSARY THERMOPLASTIC USED AT HEIGHTS BELOW 8 FEET AND EMT WITH COMPRESSION **CONTROL MODULE** LATCHING RELAY FILM ILLUSTRATOR TEMPORARY CONNECTIONS BETWEEN EXISTING AND NEW TYPE FITTINGS SHALL BE USED AT HEIGHTS ABOVE 8 FEET. EMT ALL PHASES OF THE PROJECT. SHOULD THE TWISTED FIXT **FIXTURE** WORK. ALL COSTS RESULTING FROM TEMPORARY SHUTDOWN CONTRACTOR, FOR ANY REASON, RENDER ANY DEVICE UNSHIELDED WITH COMPRESSION TYPE FITTINGS SHALL BE USED ABOVE MANUAL PULL STATION-KEY OPERATED SMOKE DAMPER **FLUOR** FLUORESCENT CEILINGS. SHALL BE THE RESPONSABILITY OF THE CONTRACTOR. CONDUCTOR INOPERABLE OR CAUSE ANY DAMAGE TO THE SYSTEM FOC FIBER OPTIC CABLE TH./THK. **THICKNESS** WHATSOEVER, THE CONTRACTOR SHALL IMMEDIATELY MANUAL PULL STATION FIRE PROTECTION DESIGN DATA NOTES: TYPICAL EXISTING CONDUIT MAY BE REUSED PROVIDED THAT THE FIRE NOTIFY THE VA FIRE DEPARTMENT. THE VA FIRE **FSCP** FLAME SAFEGUARD **HEAT-RESISTANT** ALARM INSTALLATION IS PHASED SO THAT NO MORE THAN ONE DEPARTMENT WILL IMMEDIATELY CONTACT AUTHORIZED **CONTROL SWITCH** THE SPRINKLER SYSTEM SHALL BE HYDRAULICALLY CALCULATED TO THERMOPLASTIC BUILDING FIRE ALARM SYSTEM IS OUT OF SERVICE AT ANY TIME. FIRE ALARM VENDORS TO MAKE IMMEDIATE REPAIRS TO NUMBER INDICATES CANDELA RATING FIRE STANDPIPE MEET THE FOLLOWING CRITERIA IN ACCORDANCE WITH THE NEW YORK TWISTED SHIELDED (SEE ITEM 5). CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THE SYSTEM. THE CONTRACTOR SHALL BE LETTER INDICATES SPEAKER CIRCUIT **FUSED SAFETY** STATE BUILDING DEPARTMENT AND THE LATEST EDITION OF NFPA CONDUCTOR THAT ANY REUSED EXISTING CONDUIT IS IN GOOD CONDITION, RESPONSIBLE FOR ALL COST FOR THE REPAIRS AT NO STANDARD #13: TELEVISION PROPERLY MOUNTED, AND CONDUIT INTERIORS ARE FREE OF ADDITIONAL COST TO THE GOVERNMENT. FEET ROUGH EDGES CAPABLE OF DAMAGING WIRE. OCCUPANCY: **UNIT HEATER GENERATOR** LIGHT HAZARD AREA OF APPLICATION: 2,124 SQ. FT UNLESS OTHERWISE ALL JUNCTION BOXES AND PULL BOXES, AS WELL AS ELECTRIC FIRE PROTECTION GENERAL NOTES: NUMBER INDICATES CANDELA RATING **GROUND FAULT** DENSITY: 0.10 GPM/SQ. FT METAL RACEWAY, SHALL BE SIZED TO ASSURE THE BEND RADIUS LETTER INDICATES SPEAKER CIRCUIT INTERUPTER **COVERAGE PER SPRINKLER HEAD:** 212.4 (225 SQ. FT. MAX) RECOMMENDED BY THE CABLE MANUFACTURER IS MET. PIPE RISE THRU 1. EXISTING POWER FIXTURES TO BE EXISTING SPRINKLER HEADS TO GND GROUND MINIMUM FLOW PER SPRINKLER HEAD: BE RELOCATED TO NEW LOCATIONS AS SPECIFIED IN NEW PLAN. 15 GPM FLOOR **SMOKE DETECTOR** GTB **GROUND TERMINAL** ALL NEW STROBES AND SPEAKER/STROBES SHALL HAVE A 75 BOX OCCUPANCY: VOLTAGE CANDELA RATING UNLESS OTHERWISE NOTED ON THE DRAWINGS. BEFORE RELOCATING VERIFY SIZING SPRINKLER HEADS/PIPING SMOKE DETECTOR - ELEVATOR RECALL GYP GYPSUM 62 SQ. FT. ORDINARY HAZARD AREA OF APPLICATION: VINYIL COMPOSITE WOULD SATISFY MINIMUM FIRE CODE REQUIREMENTS. G.W.B. GYPSUM WALL 0.15 GPM/SQ. FT DENSITY: SPEAKERS SHALL BE TAPPED SO THAT THEY ARE AUDIBLE SMOKE DETECTOR WITH SOUNDER BASE **BOARD** COVERAGE PER SPRINKLER HEAD: 9.3 (130 SQ. FT. MAX) VENT VENTILATION CONSISTENT WITH AMBIENT CONDITIONS. (IE: LOWER WATTAGE IN REFER TO SPRINKLER WATER DENSITY SCHEDULE FOR SPRINKLER HACR HEATING AIR COVERAGE. THE MAXIMUM AREA PER ZONE SHALL NOT EXCEED THE VEST VESTIBULE CONFINED AREAS AND HIGHER WATTAGE IN CORRIDORS AND NOISY SMOKE DETECTOR - DUCT TYPE CONDITION LIGHT HAZARD: FOLLOWING: VERIFY IN FIELD AREAS.) ADEQUACY OF THE INSTALLATION MUST BE REFRIGERATION OFFICE AREA, SEATING AREAS, ETC. DEMONSTRATED IN THE PRESENCE OF THE ENGINEER. HIGH VAPOR PROOF HEAT DETECTOR-FIXED TEMPERATURE/RATE OF RISE HANDHOLE OUTPUT SPEAKERS SHALL BE USED IN HIGH AMBIENT CONDITIONS LIGHT HAZARD = 52,000 Sq. Ft. HOLLOW METAL ORDINARY HAZARD GROUP II: WIRE ORDINARY HAZARD = 52,000 Sg. Ft.HEAT DETECTOR-INTERMEDIATE-NON ADDRESSABLE HAND OFF KITCHEN, STORAGE ROOMS, ETC WITH ALL NEW STROBES AND SPEAKER/STROBES SHALL BE MOUNTED AT EXTRA HAZARD = 40,000 Sq. Ft. **AUTOMATIC** WIRE MESH 80" ABOVE FINISHED FLOOR OR 6" BELOW THE CEILING. WHICHEVER HEAT DETECTOR-HIGH TEMP. RATE COMPENSATING NON HOURSE POWER FLOW TEST INFORMATION: WEATHER PROOF THE SYSTEM SHALL COMPLY WITH THE LATEST EDITION OF NFPA IS LOWER. ADDRESSABLE HEIGHT STATIC PRESSURE - 55.00 PSI MIN. WATER TIGHT 101, NFPA 13, AND NFPA 10. HIGH VOLTAGE RESIDUAL PRESSURE - 48 PSI @ 1160 GPM STROBES ON EACH FLOOR ZONE SHALL BE SYNCHRONIZED BY HEAT DETECTOR-FIXED TEMPERATURE/RATE OF RISE ELEVATOR EXT. - INCH ALL SPRINKLER WORK SHOWN ON DRAWINGS IS DIAGRAMMATIC. SHUTDOWN FUSED DISCONNECT SWITCH (FIRE ALARM) **KEY PLAN** APPROVED: APPROVED: Drawing Title Project Title Project Number **CONSULTANTS**: ARCHITECT/ENGINEERS: Fire Protection Plan 620-20-206 General Notes, Additional Abbrev., & Symbols Firehouse Enhancement at FDR APPROVED: APPROVED: Building(s) Number Legend 08-17-2021 Bid Documents Drawing Scale: N.T.S. 100% Working Drawings Submission 08-16-2021 APPROVED: APPROVED: Approved: Facility Director, VAHVHCS Drawing Number Location 95% Working Drawings Submission 05-21-2021 Montrose, NY 10548 02-26-2021 65% Working Drawings Submission FI 000 35% Working Drawings Submission 11-29-2017 APPROVED: APPROVED: Checked Drawn Approved: John Cliffe, Facility Chief of Engineering

Bid

Engineering

Service

Department or Veterans Affairs

08-30-2021

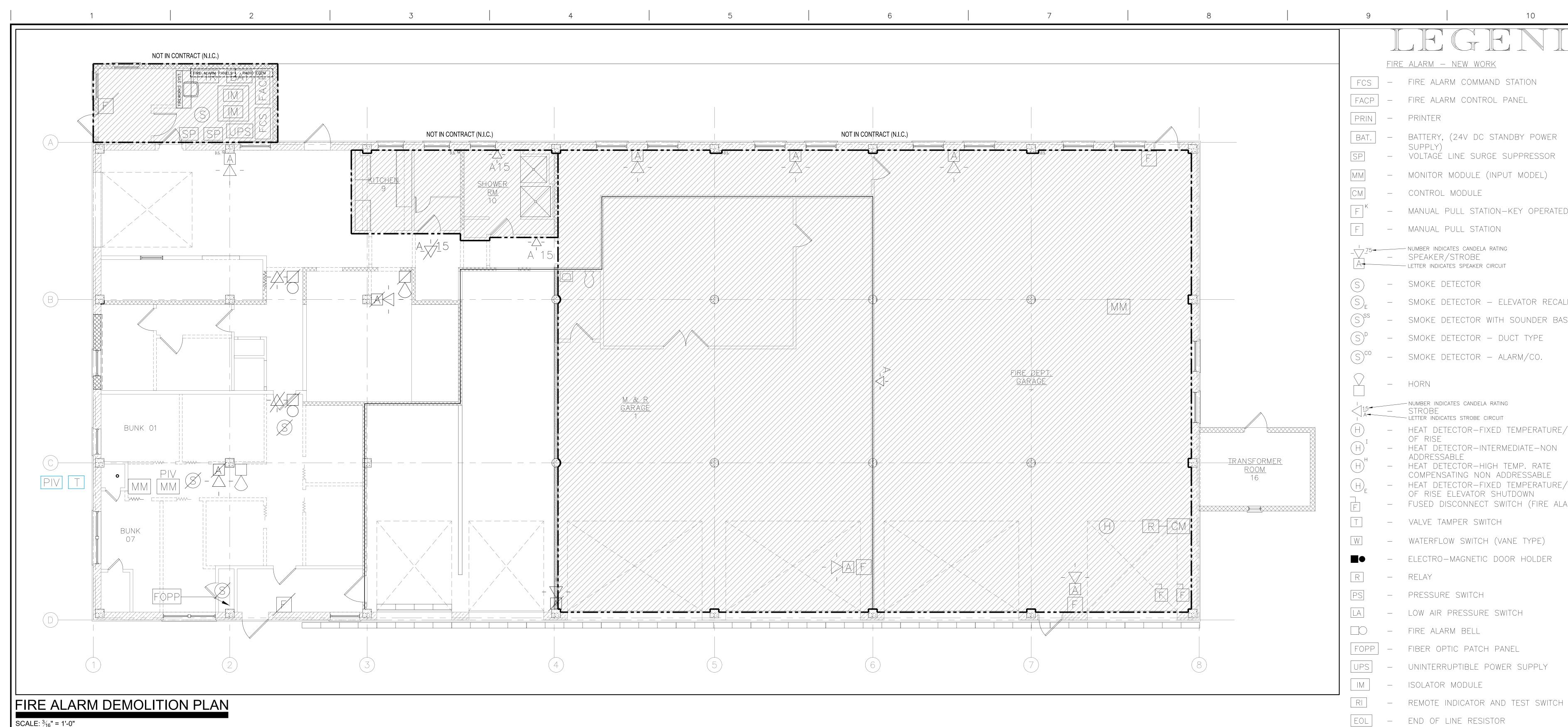
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|| Dwg. 57 of 61

Revisions

100% Preliminary Design Submission

10-11-2017



SCALE: $\frac{3}{16}$ " = 1'-0"

GENERAL NOTES:

1. REMOVE ALL DEVICES AS SHOWN ON THIS SHEET. REMOVE ALL ASSOCIATED WIRING, CONDUIT, AND CONDUIT SUPPORTS.

REMOVAL

- RELAY

- MANUAL PULL STATION - FLUSH MOUNTERS MANUAL PULL STATION — SURFACE

- ELECTRO-MAGNETIC DOOR HOLDER - FIRE ALARM BELL

<u>fire alarm — new work</u>

- CONTROL MODULE

- SMOKE DETECTOR

- HORN

- STROBE

OF RISE

- MANUAL PULL STATION

VOLTAGÉ LINE SURGE SUPPRESSOR

- MANUAL PULL STATION-KEY OPERATED

- SMOKE DETECTOR - ELEVATOR RECALL

- SMOKE DETECTOR WITH SOUNDER BASE

- HEAT DETECTOR-FIXED TEMPERATURE/RATE

- HEAT DETECTOR-INTERMEDIATE-NON

COMPENSATING NON ADDRESSABLE

- FUSED DISCONNECT SWITCH (FIRE ALARM)

HEAT DETECTOR—FIXED TEMPERATURE/RATE OF RISE ELEVATOR SHUTDOWN

- HEAT DETECTOR-HIGH TEMP. RATE

WATERFLOW SWITCH (VANE TYPE)

- ELECTRO-MAGNETIC DOOR HOLDER

VALVE TAMPER SWITCH

PRESSURE SWITCH

LOW AIR PRESSURE SWITCH

- SMOKE DETECTOR - DUCT TYPE

- SMOKE DETECTOR - ALARM/CO.

- MONITOR MODULE (INPUT MODEL)

FACT - FIRE ALARM CONTROL PANEL

FES - FIRE COMMAND STATION

FIRE ALARM ANNUNCIATOR PANEL

- FIRE ALARM TRANSMITTER

- BATTERY

KEY PLAN

Bid

Engineering

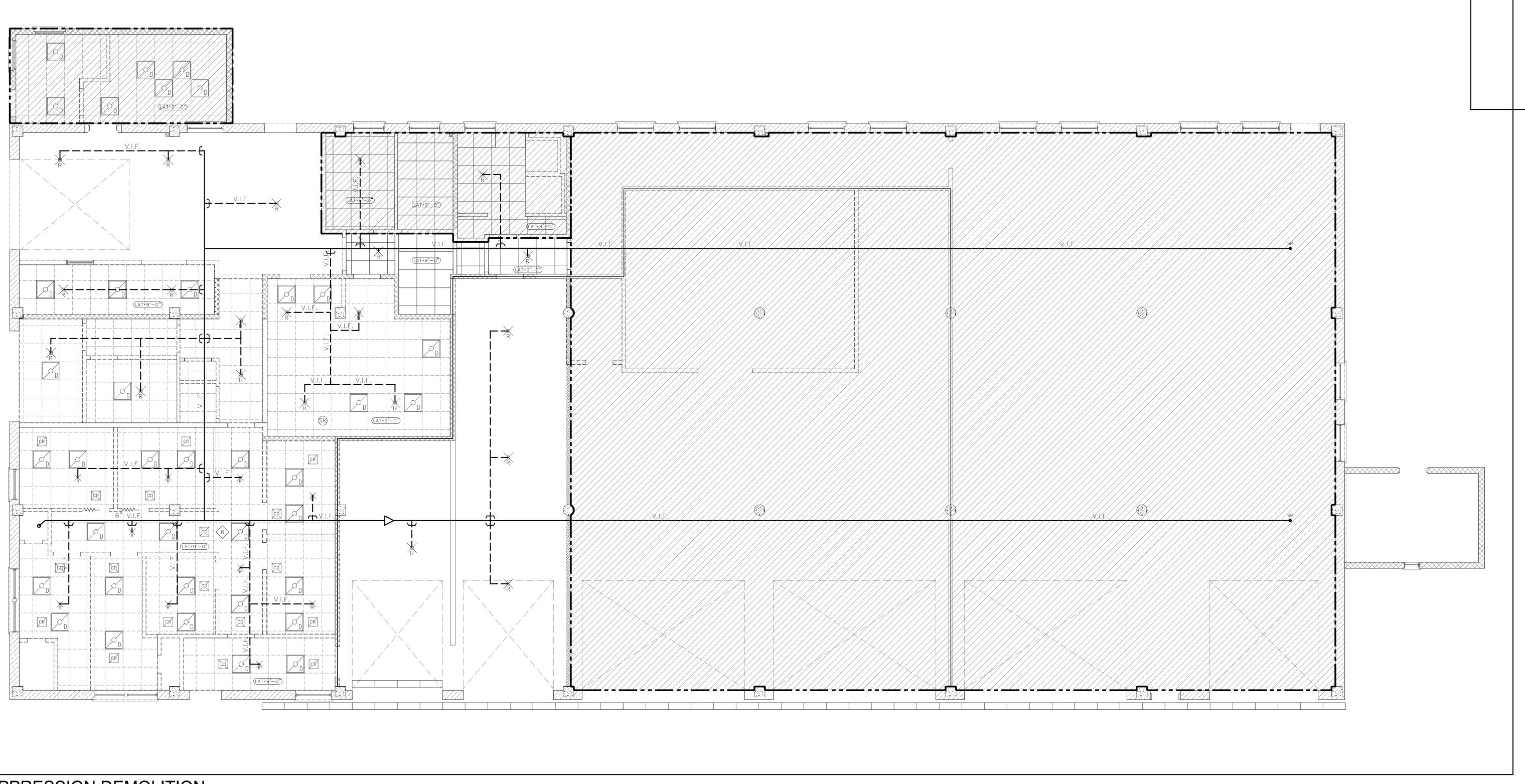
Service

Department of Veterans Affairs

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		CONSULTANTS:	ARCHITECT/ENGINEERS:	NORTH:			Architectural Demolition Plans			620-20-206
					APPROVED:	APPROVED:	Ground Floor	Firehouse Enhand	ວement at FDR	Building(s) Number
Bid Documents	08-17-2021						Drawing Scale: ½" - 1'-0"			10
100% Working Drawings Submission	08-16-2021						<u> </u>			
95% Working Drawings Submission	05-21-2021				APPROVED:	APPROVED:	Approved: Facility Director , VAHVHCS:	Location		Drawing Number
65% Working Drawings Submission	02-26-2021							Montrose, N	NY 10548	ED 400
35% Working Drawings Submission	08-25-2018				APPROVED:	APPROVED:	Approved: John Cliffe, Facility Chief of Engineering		necked Drawn	FD 100
100% Preliminary Design Submission	10-05-2017				AFFROVED.	AFFROVED.	Approved. John Chine, I admity Chief of Engineering			
Revisions:	Date:							08-30-2021	LS AMI	Dwg. 58 of 61

one eighth inch = one foot

0 4 8 16



FIRE SUPPRESSION DEMOLITION

SCALE: ³/₁₆" = 1'-0"

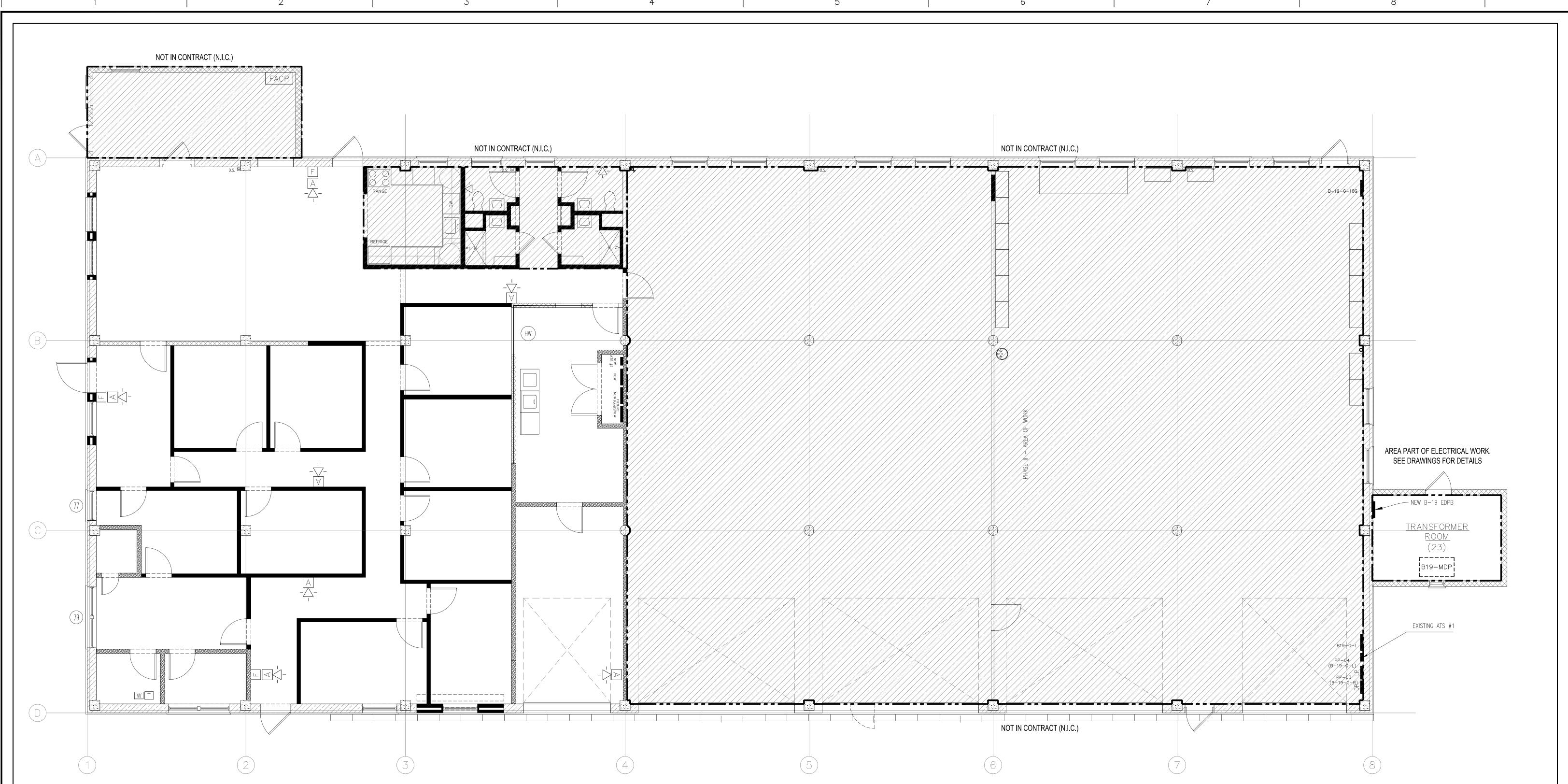
KEY PLAN

LEGEND:

---- PIPE TO BE DEMOLISHED.

QUICK RESPONSE SPRINKLER HEAD TO BE REMOVED.

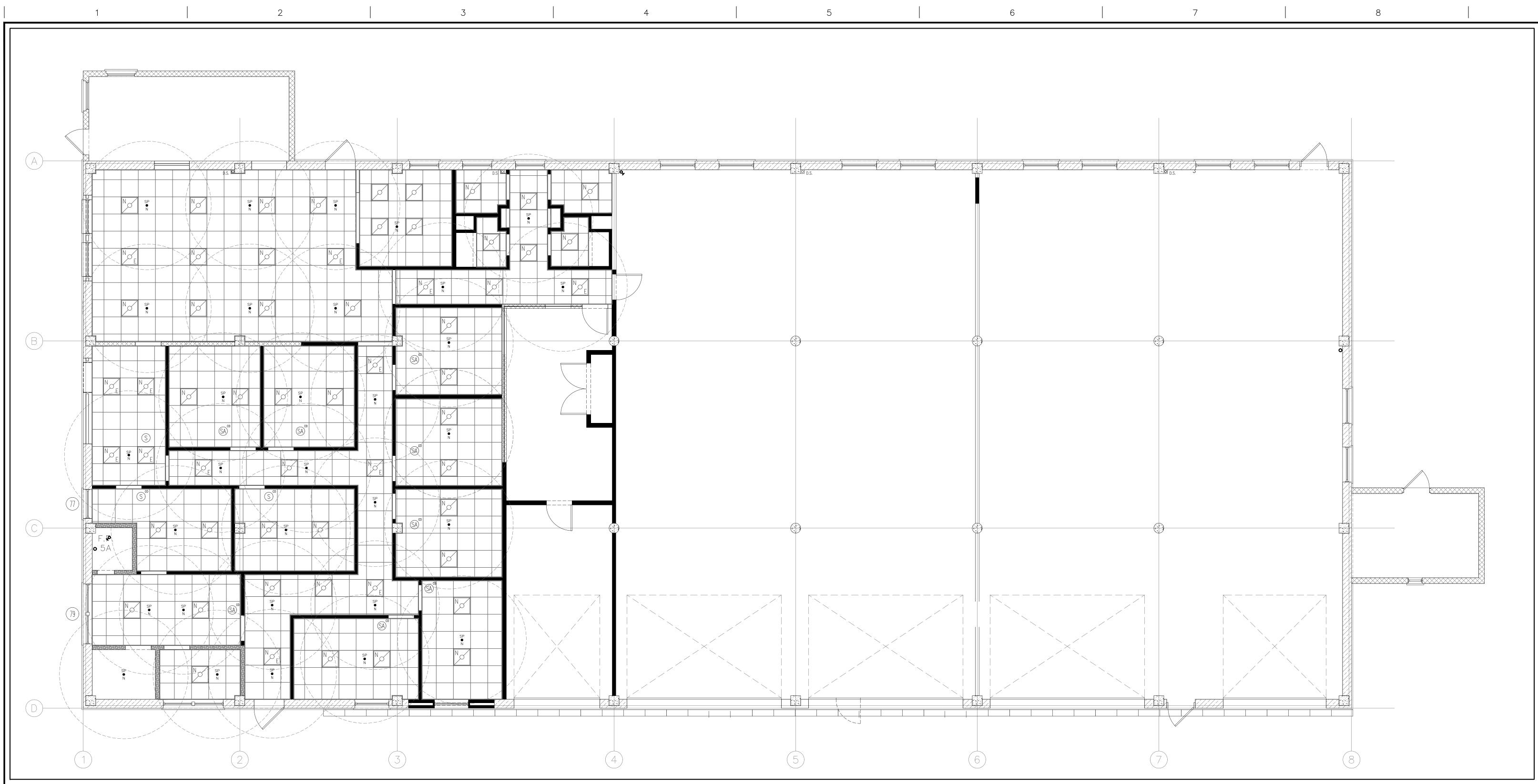
		CONSULTANTS:	ARCHITECT/ENGINEERS:	NORTH:	APPROVED:	APPROVED:	Drawing Title	Project Title		Project Number	4
			ARCHITECT/ENGINEERS.				Fire Suppression Demolition				
					APPROVED:	APPROVED:	Ground Floor	Firehouse Er	hancement at FDR	Building(s) Number	Engineering
Bid Documents	08-17-2021			No.			Drawing Scale: ½" - 1'-0"			10	
100% Working Drawings Submission	08-16-2021										Service
95% Working Drawings Submission	05-21-2021				APPROVED:	APPROVED:	Approved: Facility Director , VAHVHCS:	Location		Drawing Number	4
65% Working Drawings Submission	02-26-2021							Montros	se, NY 10548	ED 101	
35% Working Drawings Submission	11-29-2017				APPROVED:	APPROVED:	Approved: John Cliffe Facility Chief of Engineering	Doto		=	
100% Preliminary Design Submission	10-11-2017			77	APPROVED.	APPROVED.	Approved: John Cliffe, Facility Chief of Engineering	Date			Department of Veterans Affairs
Revisions:	Date:							08-30-2021	LS AMI	Dwg. 59 of 61	Veterans Affairs



NEW FIRE ALARM PLAN

SCALE: ³/₁₆" = 1'-0"

									KEY PI	
		CONSULTANTS:	ARCHITECT/ENGINEERS:	NORTH:	APPROVED:	APPROVED:	Drawing Title	Project Title	Project Number 620-20-206	-
					APPROVED:	APPROVED:	New Fire Alarm Plan Drawing Scale: N.T.S.	Firehouse Enhancement at FDR	Building(s) Number	Engineering
Bid Documents 100% Working Drawings Submission	08-17-2021 08-16-2021			6			Brawing ocale. N. 1.0.		19	Service
95% Working Drawings Submission	05-21-2021				APPROVED:	APPROVED:	Approved: Facility Director , VAHVHCS:	Location	Drawing Number	
65% Working Drawings Submission	02-26-2021							Montrose, NY 10548		
35% Working Drawings Submission	06-25-2018			4	APPROVED:	APPROVED:	Approved: John Cliffe, Facility Chief of Engineering	Date Checked Drawn		Department of
35% Preliminary Design Submission Revisions:	10-05-2017 Date:			77				08-30-2021 LS AMI	Dwg. 60 of 61	Department of Veterans Affairs



NEW FIRE ALARM PLAN

SCALE: $\frac{3}{16}$ " = 1'-0"

KEY PLAN

Project Number 620-20-206 APPROVED: APPROVED: Drawing Title Project Title ARCHITECT/ENGINEERS: NORTH: CONSULTANTS: New Fire Suppression Plan
Drawing Scale: As Noted Firehouse Enhancement at FDR **Engineering** APPROVED: APPROVED: Building(s) Number 08-17-2021 Bid Documents Service 100% Working Drawings Submission 08-16-2021 APPROVED: Approved: Facility Director , VAHVHCS: APPROVED: Location Drawing Number 95% Working Drawings Submission 05-21-2021 Montrose, NY 10548 65% Working Drawings Submission 02-26-2021 100% Working Drawings Submission 02-25-2018 Checked Drawn

LS AMI APPROVED: APPROVED: Approved: John Cliffe, Facility Chief of Engineering Date Department of Veterans Affairs 35% Preliminary Design Submission 10-05-2017 08-30-2021 Dwg. 61 of 61

one eighth inch = one foot

0 4 8 16 Revisions: VA FORM 08-6231, OCT 1978

Bid D