

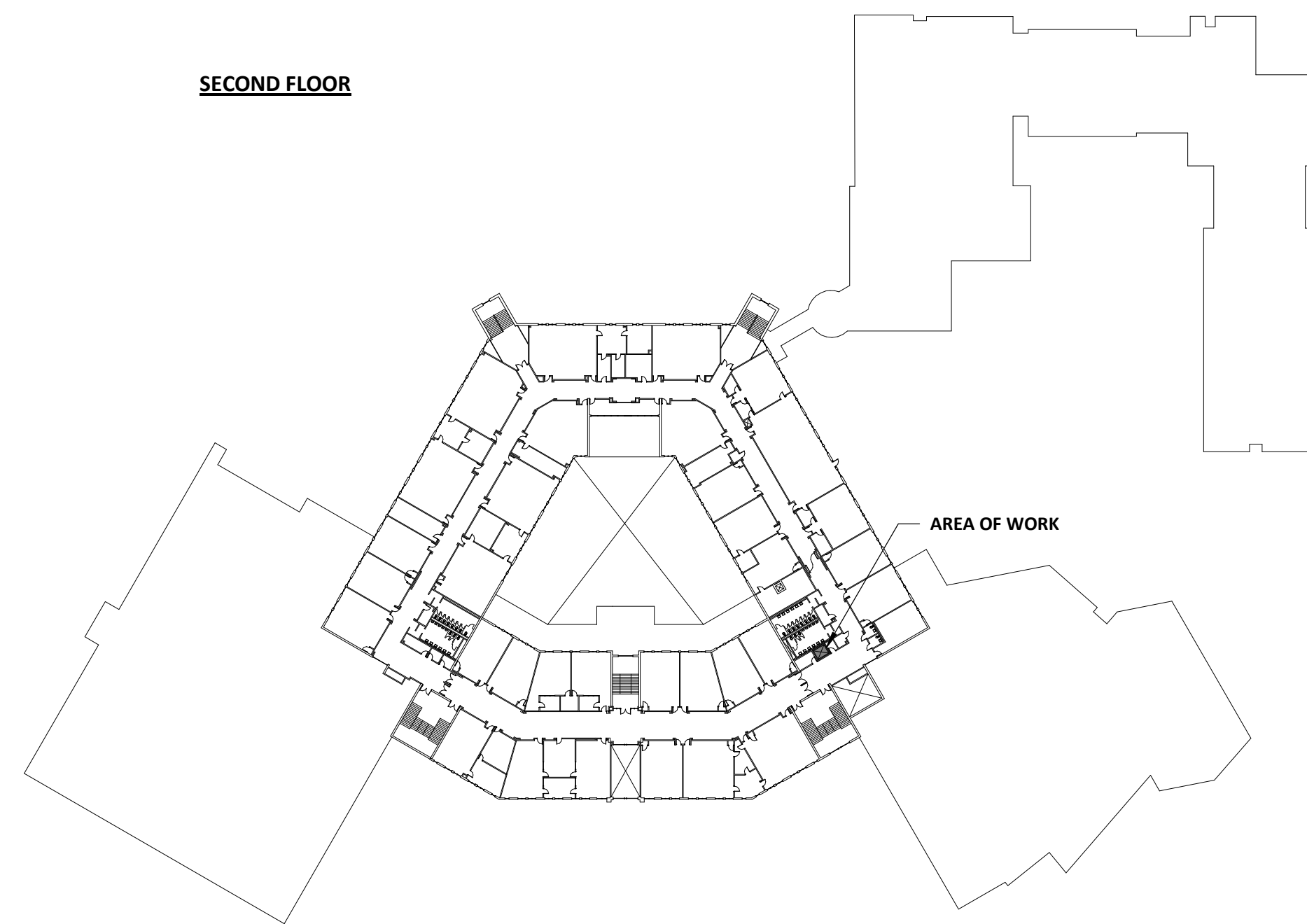
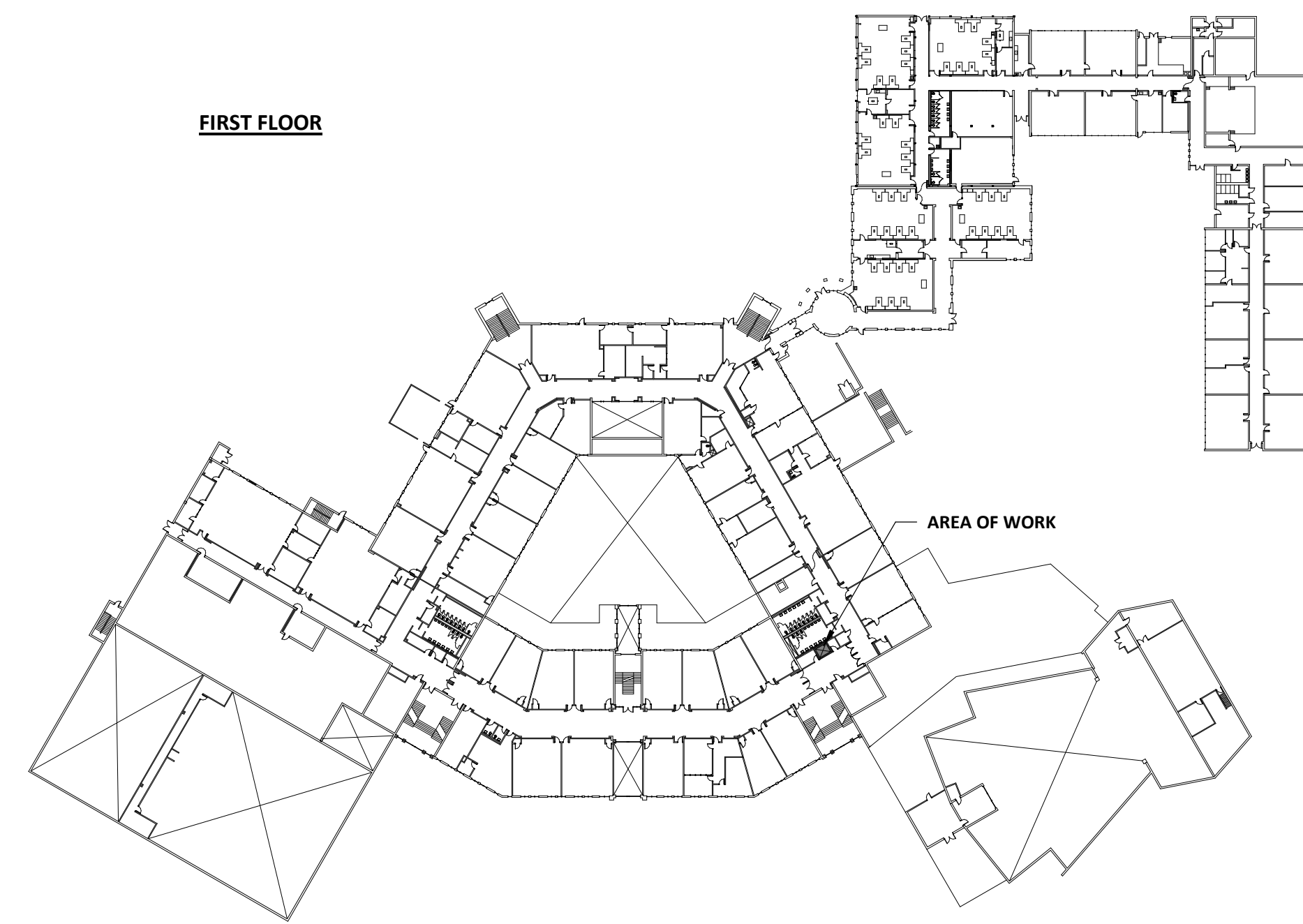
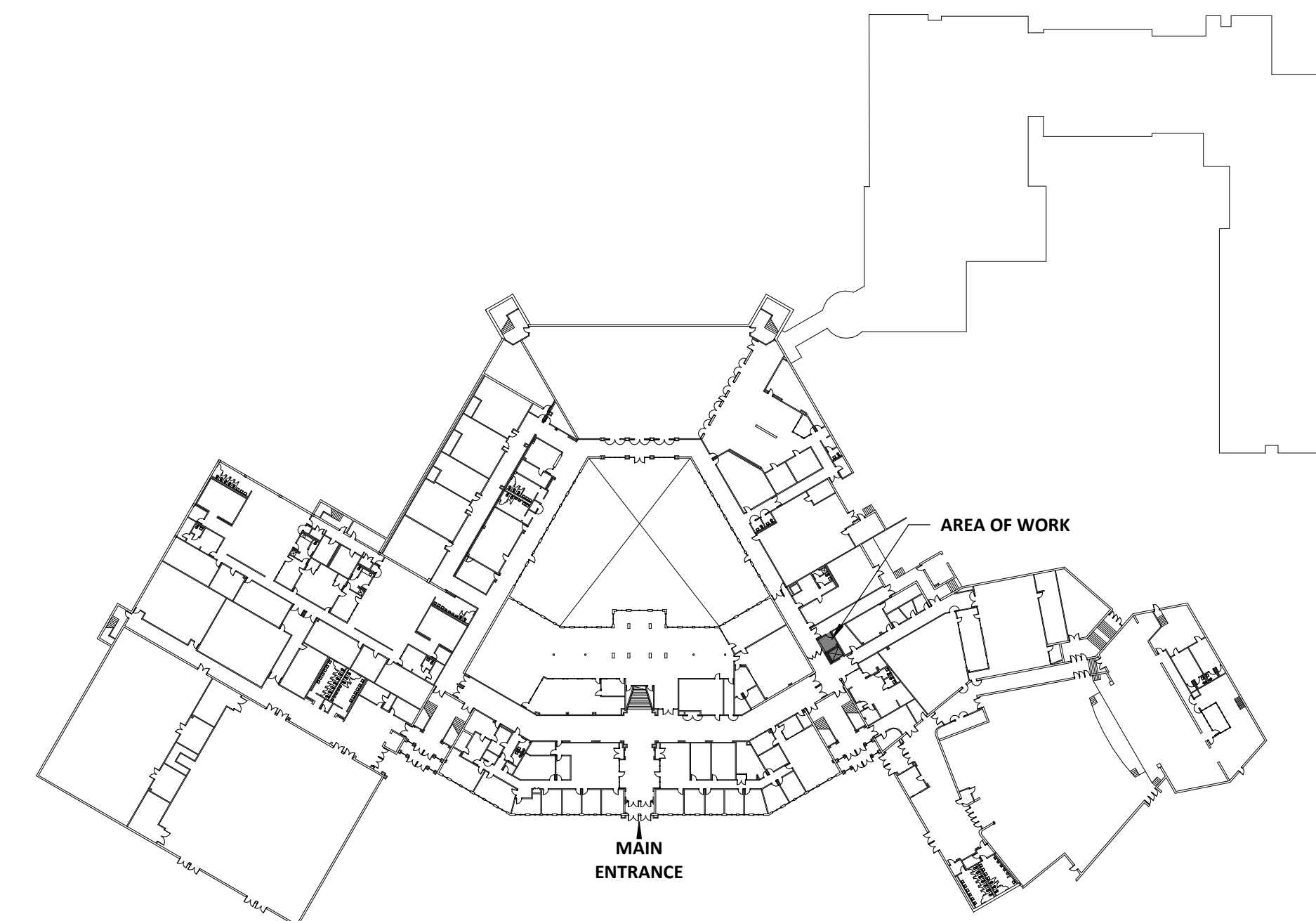
# WALT WHITMAN HIGH SCHOOL

## ELEVATOR MODERNIZATION

7100 WHITTIER BLVD,  
BETHESDA, MD 20817

BID SET  
3.4.2024

### KEY PLANS



DIVISION OF CONSTRUCTION  
45 W. GUDE DRIVE, 4<sup>th</sup> FLOOR  
ROCKVILLE, MD 20850

MECHANICAL / PLUMBING / ELECTRICAL ENGINEER  
ATA CONSULTING ENGINEERS, INC.  
220 NORTH ADAMS ST  
ROCKVILLE, MD 20850  
(P) 301-762-7172

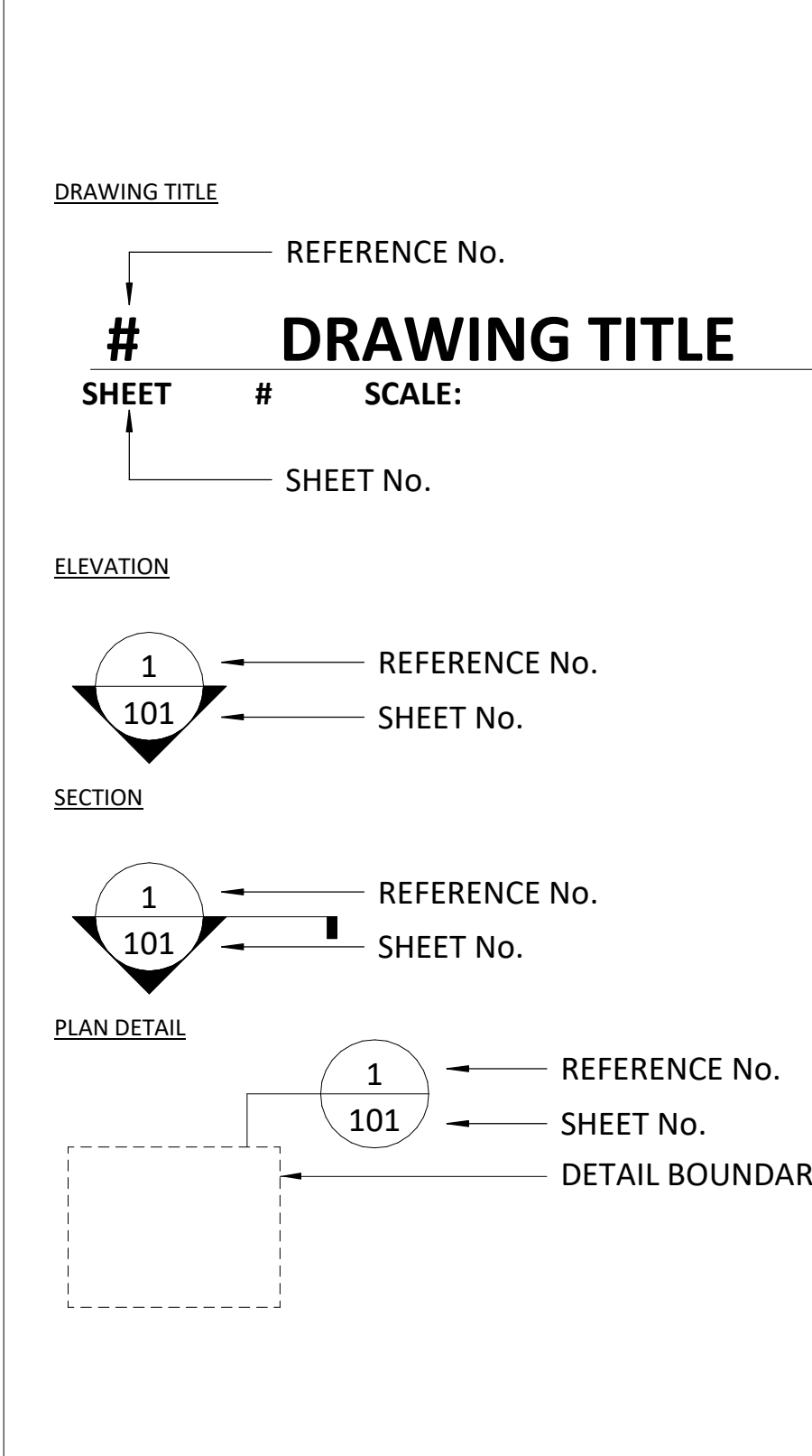
CERTIFICATION BLOCK  
I certify that these documents were prepared and approved by me, and that I am a duly licensed architect under the laws of the State of Maryland  
License Number: 13183  
Expiration Date: July 12, 2024

### ABBREVIATIONS

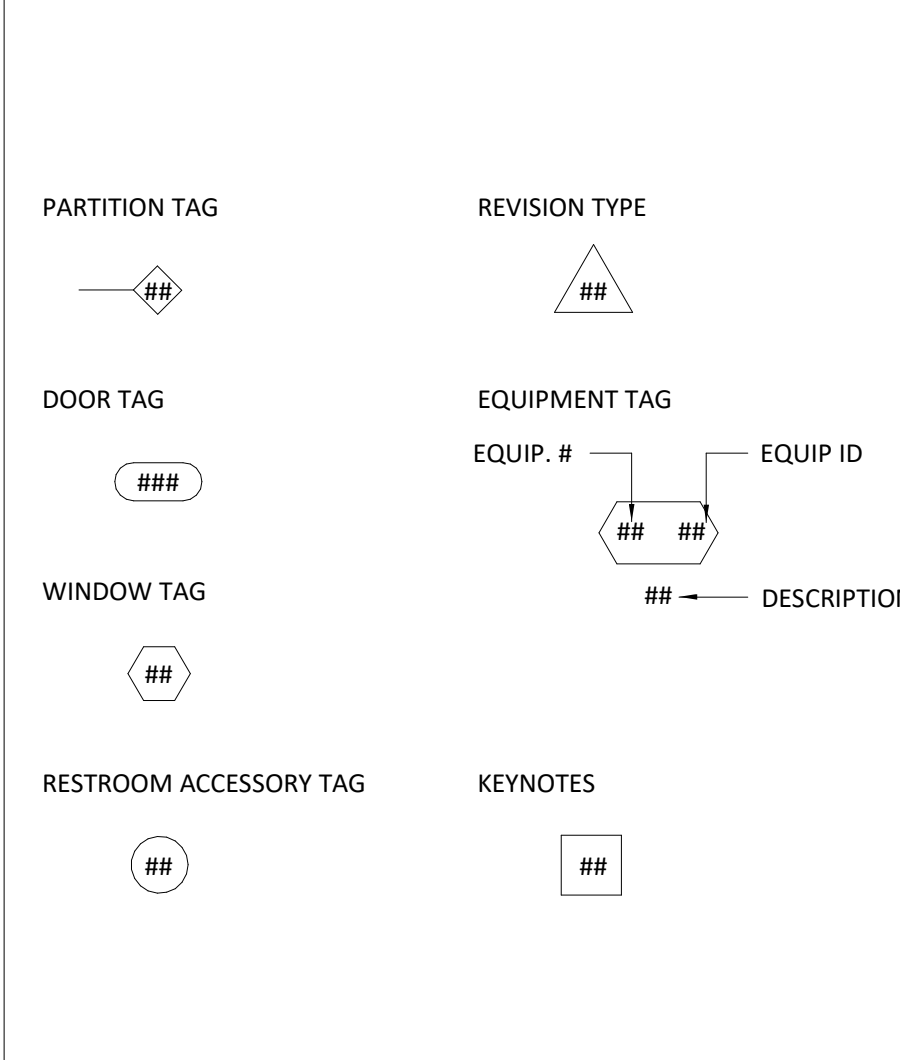
NOTE: ABBREVIATIONS ARE GENERAL AND MAY NOT BE APPLICABLE TO THIS PROJECT.

ABV ABOVE	ADA AMERICANS w/ DISABILITY ACT	ADJ ADJUSTABLE	A.F.F. ABOVE FINISH FLOOR	A.F.G. ABOVE FINISH GRADE	ALT ALTERNATE	ALUM ALUMINUM	AMP AMPERE	APPROX APPROXIMATELY	BD BOARD	BLDG BUILDING	BM BEAM	B.O.F. BOTTOM OF FRAMING	BTM BOTTOM	B.T.U. BRITISH THERMAL UNIT	BTW BETWEEN	BU BUILT-UP	CFM CUBIC FEET PER MINUTE	C.J. CONTROL JOINT	CLG CEILING	CLOS CLOSET	CMU CONCRETE MASONRY UNIT	COL COLUMN	CONC CONCRETE	CONT CONTINUOUS	CT CERAMIC TILE	DBL DOUBLE	DIA DIAMETER	DIM DIMENSION	DN DOWN	DR DOOR	DS DOWNSPOUT	DW DISHWASHER	DWG DRAWING	E EAST	EA EACH	E.J. EXPANSION JOINT	ELEV ELEVATION	ELEC ELECTRIC	EQ EQUAL	EQUIP EQUIPMENT	EWC ELECTRIC WATER COOLER	EXT EXTERIOR	FA FIRE ALARM	FD FLOOR DRAIN	FE FIRE EXTINGUISHER	FEC FIRE EXTINGUISHER CABINET	FHV FIRE HOSE VALVE	FHVC FIRE HOSE VALVE CABINET	F.F. FINISH FLOOR	FLUOR FLUORESCENT	FT FEET (FOOT)	FTG FOOTING	GA GAUGE	GAL GALLON	GALV GALVANIZED	GFI GROUND FAULT INTERRUPTER	GL GLASS	GND GROUND	GWB GYPSUM WALL BOARD	GYP GYPSUM	HB HOSE BIB	HC HANDICAPPED	HDWD HARDWOOD	HM HOLLOW METAL	HR HOUR	HT HEIGHT	IN INCH	INSUL INSULATION	INT INTERIOR	VIF VERIFY IN FIELD	VWC VINYL WALL COVERING	JAN JANITOR	JST JOIST	JT JOINT	LAM LAMINATE	LAV LAVATORY	LB POUND	LF LINEAR FEET	LTG LIGHTING	MAS MASONRY	MAX MAXIMUM	MECH MECHANICAL	MFR MANUFACTURER	MIN MINIMUM	MISC MISCELLANEOUS	M.O. MASONRY OPENING	MTD MOUNTED	MTL METAL	MWK MILLWORK	N NORTH	N.I.C. NOT IN CONTRACT	N.G.M. NOMINAL	N.T.S. NOT TO SCALE	O.C. ON CENTER	O.D. OUTSIDE DIAMETER	O.P.H. OPPOSITE HAND	OPNG OPENING	OPP OPPOSITE	PG PAINT GRADE	P.L. PROPERTY LINE	PLAM PLASTIC LAMINATE	PLUM PLUMBING	PLYWD PLYWOOD	PNL PANEL	PSI POUNDS PER SQUARE INCH	PT WD PRESSURE TREATED WOOD	PTD PAINTED	QTY QUANTITY	R RISER	RAD RADIUS	RE: REFERENCE	REF REFRIGERATOR	REINF REINFORCING	REQD REQUIRED	RM ROOM	R.O. ROUGH OPENING	R.O.W. RIGHT OF WAY	S SOUTH	SCHED SCHEDULE	SECT SECTION	SF SQUARE FEET	SHT SHEET	SIM SIMILAR	SPEC SPECIFICATION	SQ SQUARE	SS SANITARY SINK	SS STAINLESS STEEL	ST STREET	STD STANDARD	STL STEEL	SY SYMBOL	SYM SYMMETRICAL	T TREAD	T&G TONGUE & GROOVE	TEL TELEPHONE	THK THICK	T.O.C TOP OF CONCRETE/ CURB	T.O.D TOP OF DECK	T.O.F TOP OF FOUNDATION	T.O.S TOP OF SLAB	T.O.W TOP OF WALL	T.S TUBE STEEL	TYP TYPICAL	UNO UNLESS NOTED OTHERWISE	V VOLTS	VCT VINYL COMPOSITION TILE	VERT VERTICAL	VIF VERIFY IN FIELD	VWC VINYL WALL COVERING	W WEST	W/ WITH	W/O WITHOUT	WC WATER CLOSET	WD WOOD	WF WATER FOUNTAIN	WS WET STACK	WT WEIGHT	YD YARD
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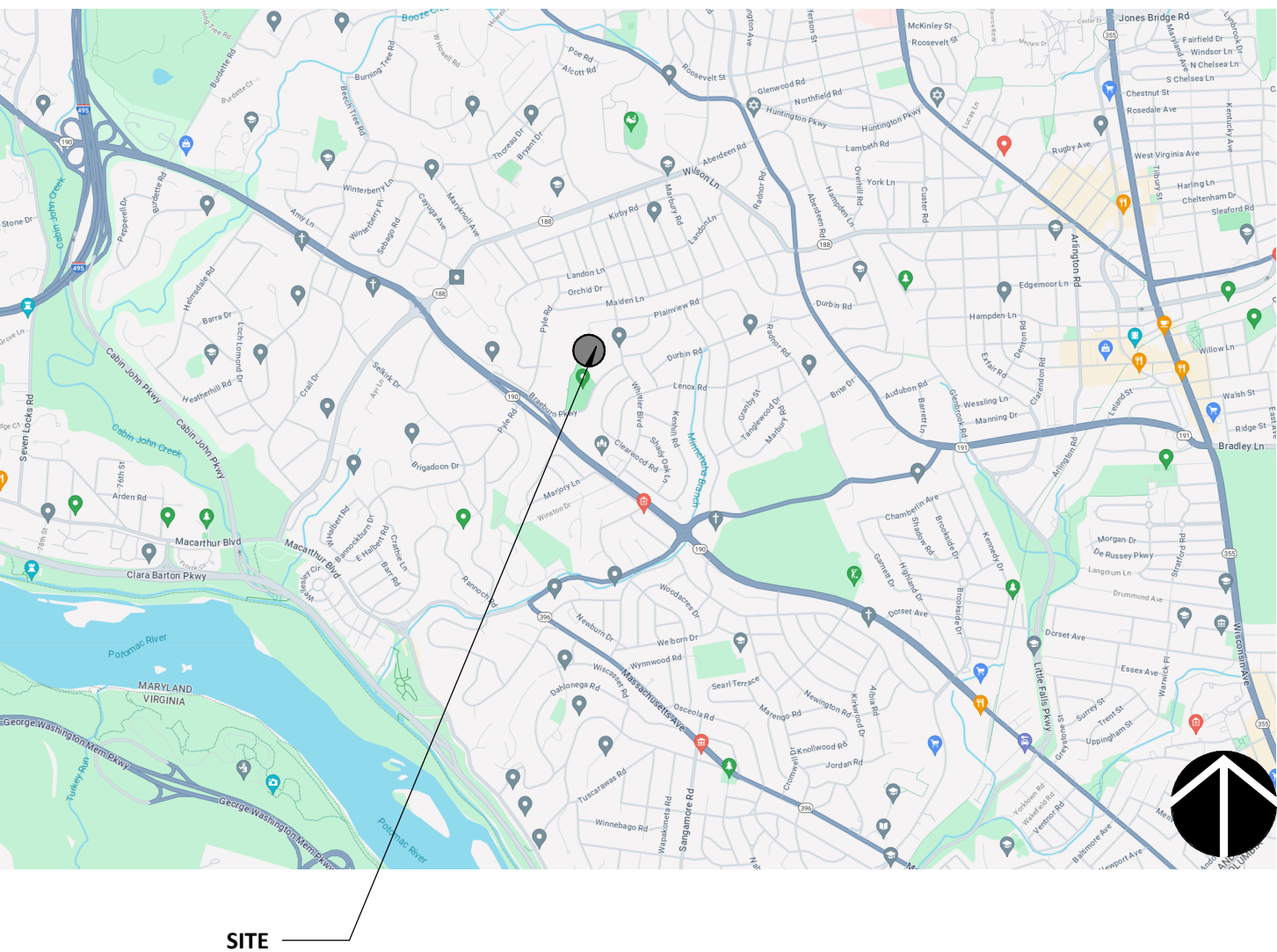
### DRAWING TAGS



### SYMBOLS



### VICINITY MAP



### DRAWING LIST

GENERAL	
G000	COVER SHEET
G001	GENERAL NOTES, CODE ANALYSIS, AND ADA DETAILS
ARCHITECTURAL	
A101	ELEVATOR - DEMO AND PROPOSED FLOOR PLANS
A102	ELEVATOR DETAILS
MECHANICAL	
M001	SPECIFICATIONS, SYMBOLS AND ABBREVIATIONS
M100	ELEVATOR 1 - DEMO AND NEW WORK PLANS
M300	SCHEDULES AND DETAILS
ELECTRICAL	
E001	SPECIFICATIONS, SYMBOLS AND ABBREVIATIONS
E002	ELEVATOR 1 - DEMO AND NEW WORK FLOOR PLANS
E003	PANEL SCHEDULES

**WALT WHITMAN HIGH SCHOOL**  
**ELEVATOR MODERNIZATION**  
 7100 WHITTIER BLVD.  
 BETHESDA, MD 20817  
 COVER SHEET

PROJECT NO.	24-006
DRAWN BY	MAS
REVIEWED BY	EM/AC

PERMIT/BID SET ISSUE 03.04.2024

REV.	ISSUE:	DATE

DRAWING STAMP

SHEET NUMBER  
**G000**

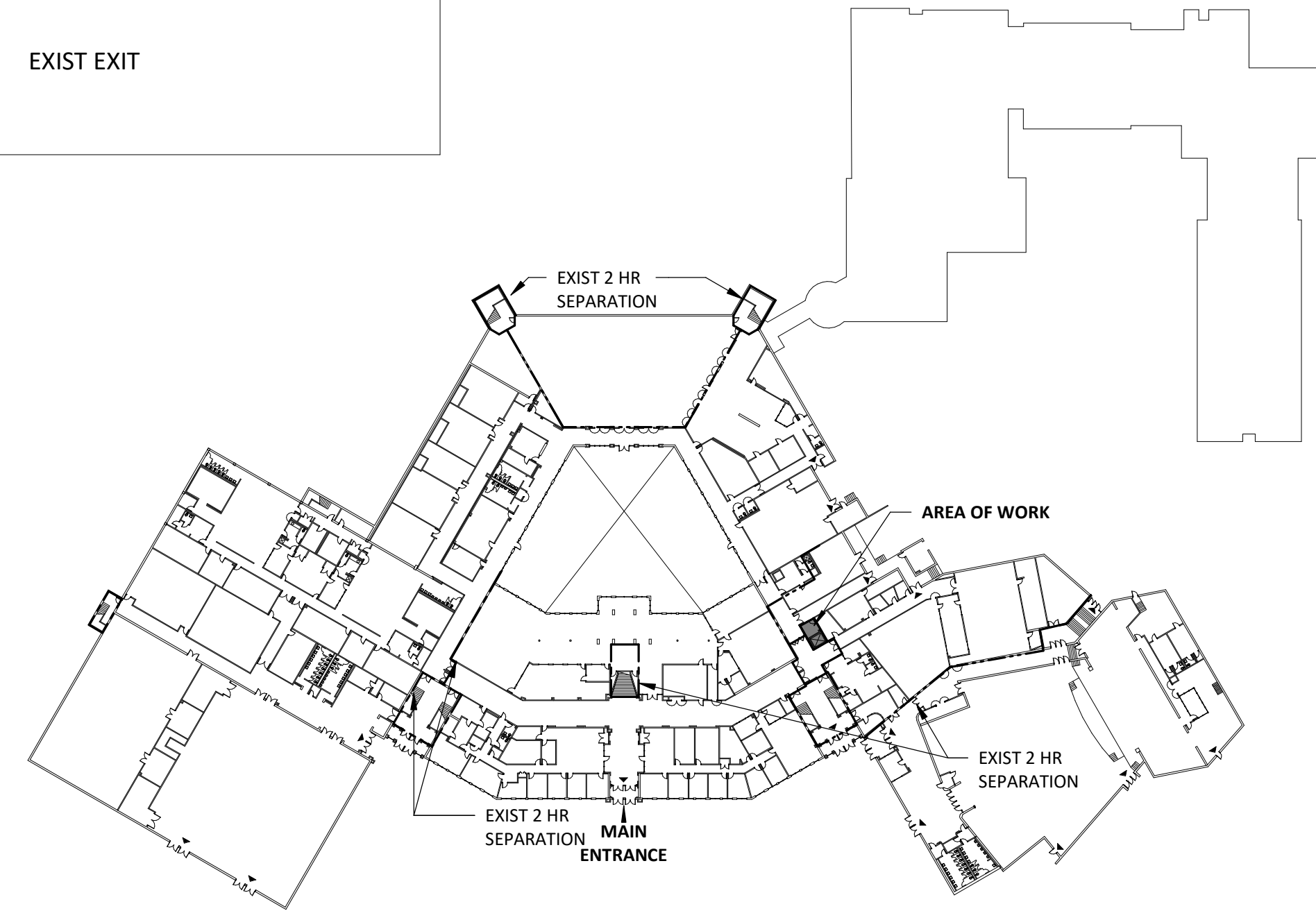
**GENERAL NOTES**

- THE CONTRACT DOCUMENTS INCLUDE THE WORKING DRAWINGS, ADDENDA, MODIFICATIONS, GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT AND SPECIFICATIONS
- THE CONTRACT DOCUMENTS ARE INSTRUMENTS OF SERVICE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT WHETHER THE PROJECT FOR WHICH THEY ARE PREPARED IS EXECUTED OR NOT. THE CONTRACT DOCUMENTS SHALL NOT BE USED BY OWNER OR TENANT FOR OTHER PROJECTS OR EXTENSIONS TO THE PROJECT, NOR ARE THEY TO BE MODIFIED IN ANY MANNER WHATSOEVER EXCEPT BY AGREEMENT IN WRITING WITH THE ARCHITECT.
- PERMITS: GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS, EXCEPT BUILDING PERMIT.
- QUALITY: CONTRACTOR SHALL PERFORM ALL WORK AND INSTALL ALL COMPONENTS IN A PROFESSIONAL MANNER. ALL FINISH WORK TO BE TRUE, LEVEL & PLUMB. ALL JOINTS TO BE TIGHT & CLEAN.
- CODE COMPLIANCE: WORK SHALL CONFORM TO ALL APPLICABLE LOCAL, STATE & FEDERAL CODES INCLUDING NFPA; USE TESTED AND CERTIFIED ASSEMBLIES, AS REQUIRED BY CODE.
- HANDICAP ACCESSIBILITY: CONTRACTOR SHALL COMPLY WITH ACCESSIBILITY GUIDELINES 36 CFR PART 1191 OF THE FEDERAL REGISTER, ITS PREVIOUS TO ANSI STANDARD A117.1, AND TITLE III OF THE AMERICAN WITH DISABILITY ACT (ADA), AND LOCAL ORDINANCES
- WARRANTY: ALL CONSTRUCTION, MATERIALS, PRODUCTS AND WORK TO BE WARRANTED FOR A PERIOD OF TWO YEARS FROM DATE OF FINAL ACCEPTANCE BY THE OWNER, UNLESS LONGER PERIODS ARE SPECIFIED FOR SPECIFIC MANUFACTURER'S SYSTEMS, IN WHICH CASE THOSE LONGER PERIODS SHALL APPLY.
- CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS. NO MEASUREMENT SHALL BE SCALED FROM THE CONTRACT DRAWINGS. CONTRACTOR SHALL OBTAIN CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING WITH CONSTRUCTION IF A DIMENSION(S) IS IN QUESTION.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS FOR ACCURACY AND CONFIRMING THAT WORK IS BUILDABLE AS SHOWN BEFORE PROCEEDING WITH CONSTRUCTION. CLARIFICATIONS REGARDING ANY CONFLICTS SHALL BE ACHIEVED PRIOR TO RELATED WORK BEING STARTED.
- DIMENSIONS AND NOTES ON ENLARGED PLANS AND DETAILS ARE TO OVERRIDE SMALLER SCALE DRAWINGS. ALL DIMENSIONS ARE TO FACE OF DRYWALL UNLESS NOTED OTHERWISE.
- REMOVE ALL DEBRIS, PACKING MATERIAL, DEMOLISHED MATERIAL AND EXTRANEOUS TRASH GENERATED BY CONSTRUCTION FROM BUILDING & SITE UNLESS NOTED, TO BE TURNED OVER TO OWNER. ALL DEMOLISHED MATERIAL NOT TO BE TURNED OVER OWNER SHALL BECOME THE PROPERTY OF GENERAL CONTRACTOR.
- ALL MATERIAL, HARDWARE, FIXTURES AND FINISHED TO BE BUILDING STANDARD UNLESS NOTED OTHERWISE. BUILDING STANDARD INFORMATION IS AVAILABLE THROUGH THE OWNER'S REPRESENTATIVES AND TYPICALLY MATCHES EXISTING INTERIOR CONSTRUCTION.
- ALL GENERAL CONTRACTORS & SUBCONTRACTORS ARE TO VISIT THE SITE PRIOR TO COMPLETING BID TO VERIFY EXISTING CONDITIONS. GENERAL CONTRACTOR & SUBCONTRACTORS TO PROVIDE WRITTEN DOCUMENTATION OF ANY DISCREPANCY BETWEEN SITE CONDITIONS & DOCUMENTS. SUBMISSION OF BID IS CONFIRMATION THAT EXISTING CONDITIONS HAVE BEEN FULLY TAKEN INTO CONSIDERATIONS & ARE REFLECTED IN THE COSTS PROVIDED.

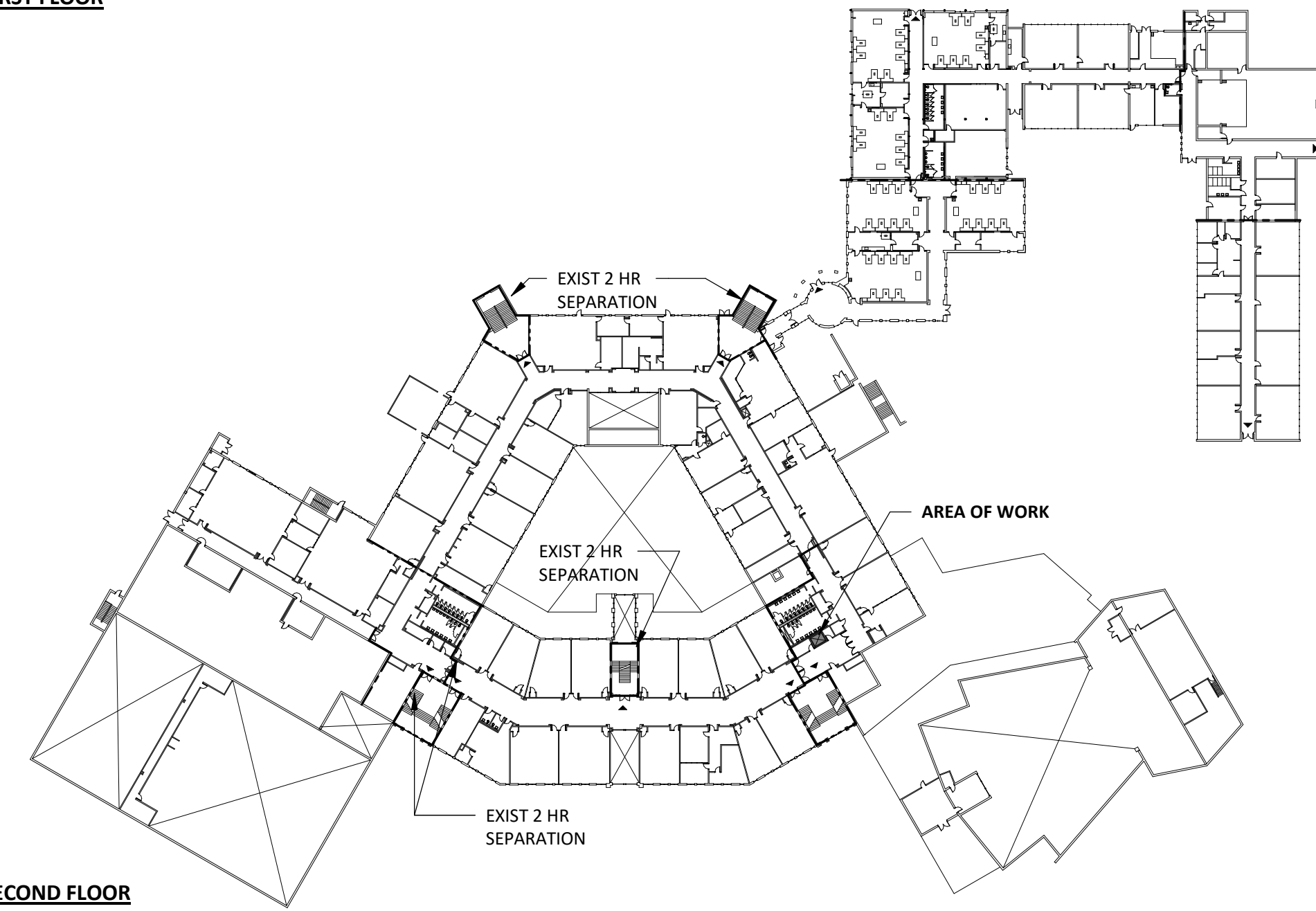
- SUBMIT SHOP DRAWINGS AND SAMPLES FOR ALL TRADES AS SOON AS POSSIBLE TO THE ARCHITECT, ALLOWING TEN (10) WORKING DAYS FOR REVIEW. SHOP DRAWINGS SHALL BE REVIEWED & APPROVED BY CONTRACTOR PRIOR SUBMITTING THEM TO ARCHITECT. NO CONSTRUCTION SHALL PROCEED UNTIL THE APPROVAL OF THESE DRAWINGS. ALL TRADES SHALL BE REVIEWED BY THE ARCHITECT AT THE SAME TIME. CONTRACTOR SHALL PROVIDE MANUFACTURER'S SPECIFICATION, INSTALLATION, INSTRUCTION, SHOP DRAWINGS AND SAMPLES FOR REVIEW AND APPROVAL OF ALL MATERIALS AND METHODS TO BE USED PRIOR TO ORDERING OR PROCEEDING WITH THE WORK. CONTRACTOR SHALL FOLLOW PROCEDURES. IF THESE ARE CONTRARY TO THE CONTRACT DOCUMENTS, CONTRACTOR SHALL NOTIFY ARCHITECT, IN WRITING, IMMEDIATELY TO RESOLVE DISCREPANCIES PRIOR TO PROCEEDING.
- CONTRACTOR TO PROVIDE 2X FIRE RESISTANT BLOCKING AS NECESSARY BEHIND ALL WALL MOUNTED INSTALLATIONS.
- CONTRACTOR TO PROVIDE BUILDING CONSTRUCTION REPRESENTATIVE WITH COPIES OF DELIVERY, AND CONSTRUCTION SCHEDULES. CONTRACTOR TO COORDINATE ALL SCHEDULES WITH BUILDINGS CONSTRUCTION REPRESENTATIVE.
- CUTTING & PATCHING: CONTRACTOR TO PATCH, REPAIR & REFINISH WORK DAMAGED AS A RESULT OF DEMOLITION OR REMOVAL OF CONSTRUCTION TO MATCH ADJACENT FINISH. PATCH THRU-WALL/ THRU-FLOOR PENETRATIONS TO MAINTAIN EXISTING BUILDING INTEGRITY.
- IF NEEDED, CORING, DRILLING OR OTHER SUCH WORK IN ADJACENT TO OCCUPIED AREAS SHALL BE PERFORMED AT HOURS MINDFUL OF THE AFFECTED OCCUPANCY UNLESS OTHERWISE INDICATED. GENERAL CONTRACTOR SHALL DIRECTLY COORDINATE WITH BUILDING OWNER'S REPRESENTATIVE AND AFFECTED TENANT(S).
- IF NEEDED, NO CORE DRILLING SHALL BE PERFORMED BEFORE 8:30 AM MONDAY - FRIDAY OR BEFORE 9:00 AM SATURDAY - SUNDAY. WITH REGARD TO CORE DRILLED SLAB OPENINGS, A DRAWING SHOWING THE LOCATION AND SIZE OF ALL OPENINGS SHALL BE SUBMITTED TO THE BUILDING OWNER'S REPRESENTATIVE FOR REVIEW BY THE BUILDING STRUCTURAL ENGINEER.
- IF REQUIRED, UTILITY OUTAGES SHALL BE SCHEDULED OUTSIDE NORMAL WORKING HOURS FOR THE AFFECTED OCCUPANCY UNLESS OTHERWISE INDICATED.
- IF REQUIRED, ALL ROOF WORK TO BE COMPLETED BY MCPS APPROVED ROOFING CONTRACTOR. PROVIDE A SMOOTH, NEAT, CONTINUOUS APPEARANCE WHERE DEMOLITION WORK MEETS ADJACENT EXISTING WORK. REMOVE EXISTING FINISHES AS REQUIRED TO PROVIDE NEAT, STRAIGHT SEAMS AND TRANSITIONS BETWEEN EXISTING AND MATCHING NEW FINISHES.
- CONTRACTOR WILL COORDINATE AND OBTAIN ALL PERMITS AND APPROVALS TO HAVE AN OPEN TOP DUMPSTER AT CURBSIDE OF THE BUILDING.
- CONTRACTOR TO PROTECT EXISTING FLOORING TO REMAIN WITH MINIMUM 1/2" PLYWOOD SHEETS.

**LIFE SAFETY PLANS (NO CHANGE TO EGRESS COMPONENTS)**

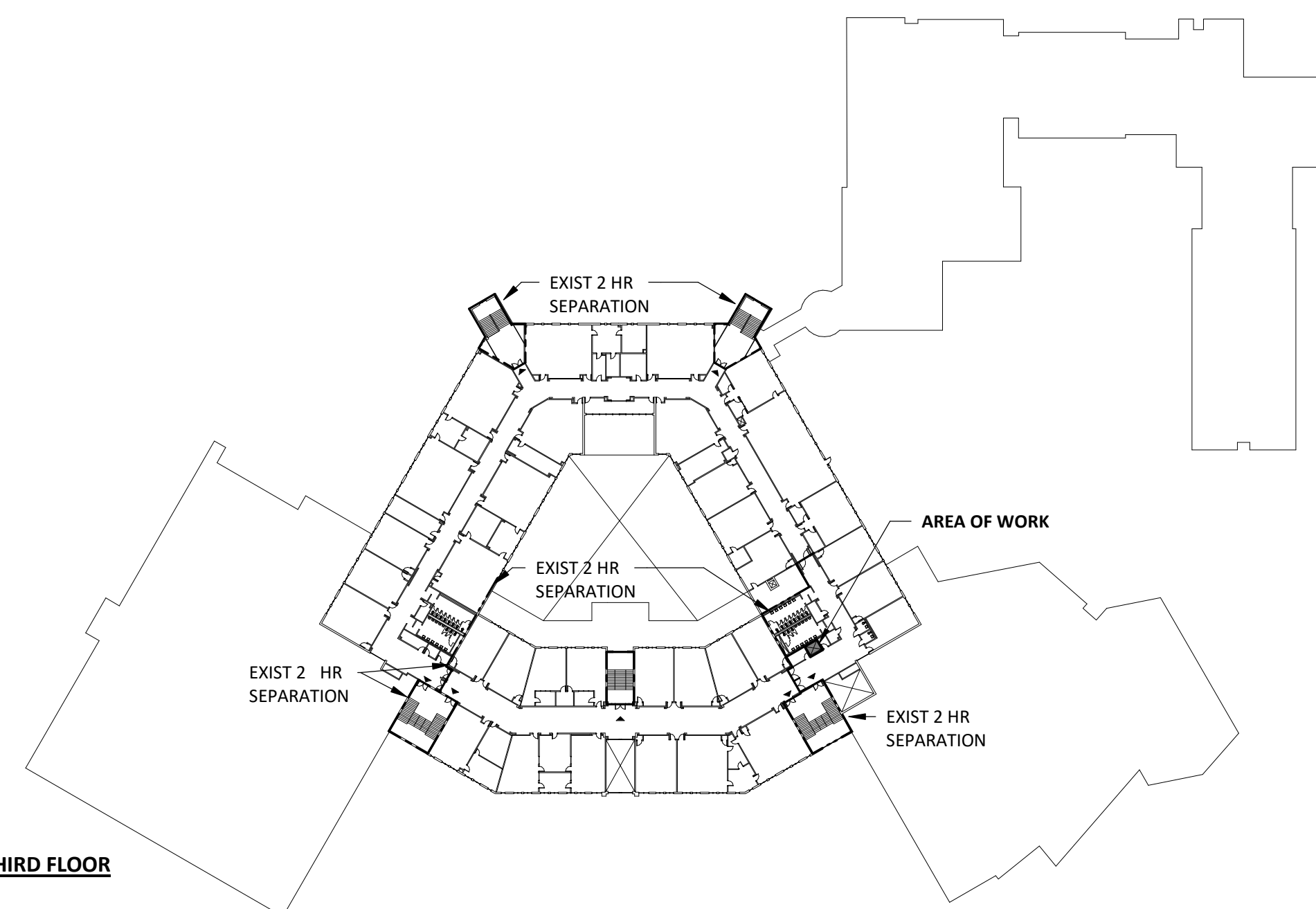
- EXIST 1 HR FIRE RATED PARTITION
- - - EXIST 2 HR FIRE RATED PARTITION
- ▼ EXIST EXIT



**FIRST FLOOR**

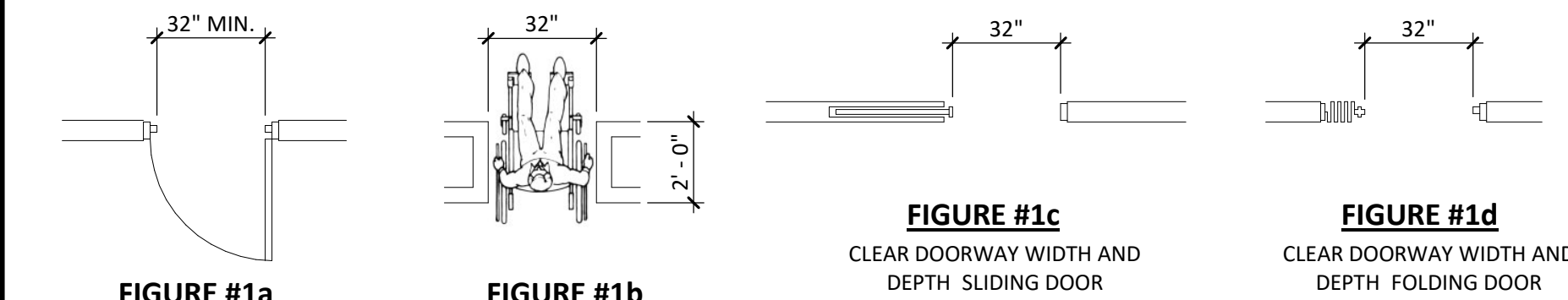


**SECOND FLOOR**

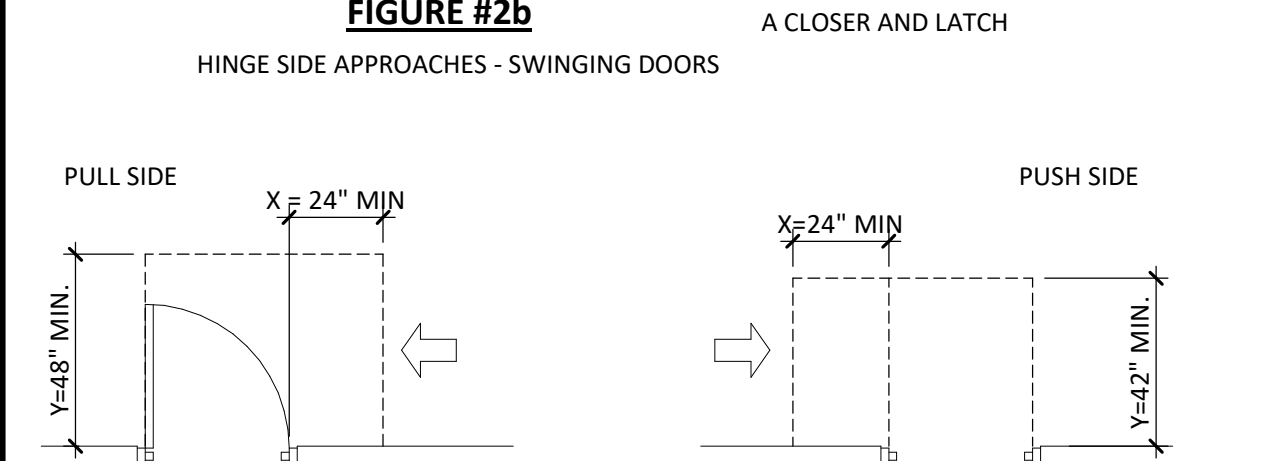
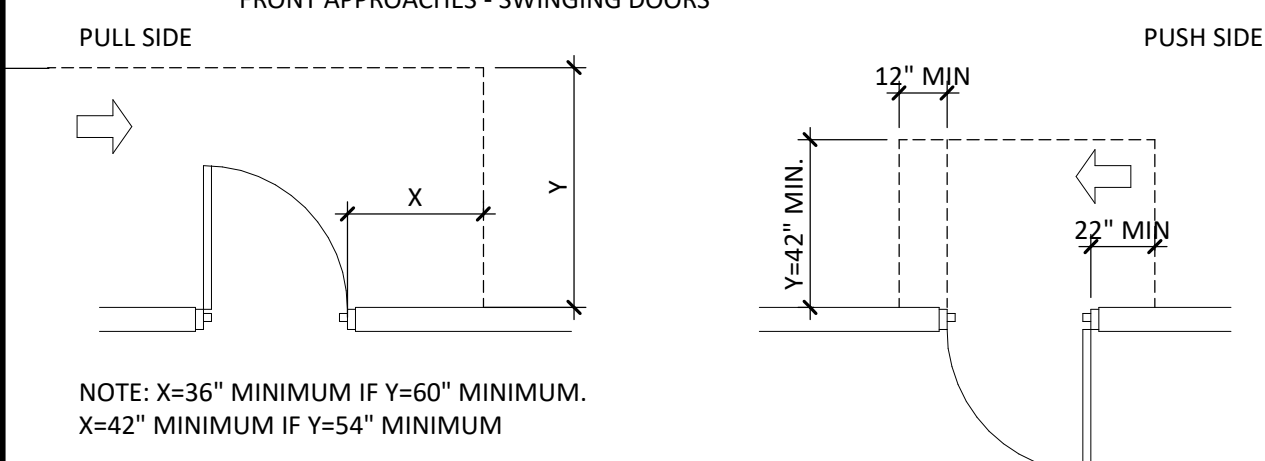
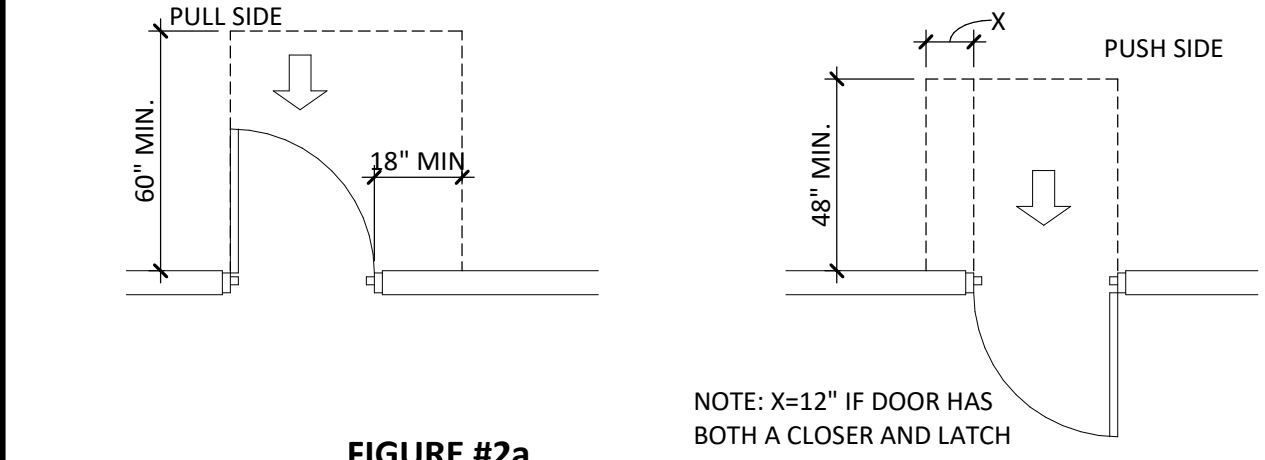


**THIRD FLOOR**

**TYPICAL ADA DETAILS**



**1. CLEAR WIDTH** EXCEPTION: DOORS NOT REQUIRING FULL USER PASSAGE, SUCH AS SHALLOW CLOSETS, MAY HAVE THE CLEAR OPENING REDUCED TO 20 INCHES MINIMUM



**APPLICABLE CODES**

<b>JURISDICTION:</b>	<b>MONTGOMERY COUNTY, MD</b>
<b>BUILDING CODE:</b>	2018 INTERNATIONAL BUILDING CODE (IBC) AS MODIFIED BY MONTGOMERY COUNTY AMENDMENTS 2018 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
<b>ELECTRICAL CODE:</b>	MONTGOMERY COUNTY CODE, CHAPTER 17 ELECTRICITY NFPA 70 (NATIONAL ELECTRICAL CODE)
<b>ACCESSIBILITY CODE:</b>	COMAR 09.12.53 MARYLAND ACCESSIBILITY CODE
<b>MECHANICAL CODE:</b>	2018 INTERNATIONAL MECHANICAL CODE (IMC)
<b>ENERGY CODE:</b>	2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
<b>PLUMBING CODE:</b>	WASHINGTON SUBURBAN SANITARY COMMISSION (WSSC)
<b>FUEL GAS CODE:</b>	2018 INTERNATIONAL FUEL GAS CODE (ICC)
<b>FIRE &amp; LIFE-SAFETY CODE:</b>	MONTGOMERY COUNTY CODE CHAPTER 22 FIRE SAFETY CODE 2015 NFPA 1 FIRE CODE 2015 NFPA 101 LIFE SAFETY CODE
<b>ELEVATOR CODE:</b>	ASME 17.1 SAFETY CODE FOR ELEVATORS AND ESCALATORS

**CODE ANALYSIS**

<b>BUILDING DESCRIPTION:</b>		
PROJECT DESCRIPTION: ELEVATOR MODERNIZATION FOR ONE EXISTING HYDRAULIC ELEVATORS. EXIST CABS TO BE REFURBISHED; NEW MACHINE RM EQUIPM, DOORS AND CONTROLS.		
IBC OCCUPANCY CLASSIFICATION	<b>EXISTING</b> E AND A3	<b>PROPOSED</b> E AND A3 (NO CHANGE)
NFPA 101 - OCCUPANCY CLASSIFICATION	EDUCATION AND ASSEMBLY	EDUCATION AND ASSEMBLY (NO CHANGE)
TYPE OF CONSTRUCTION	II-B IBC	II-B IBC
NUMBER OF STORIES ABOVE GRADE (BLDG)	3	3
HEIGHT ABOVE GRADE (BLDG)	APPROX. 46' - 6"	APPROX. 46' - 6" (NO CHANGE)
HIGH RISE (Y/N)	N	N
STANDPIPES (Y/N)	N/A	N/A
FULLY SPRINKLERED (Y/N)	Y	Y
FIRE ALARM (Y/N)	Y	Y
FLOOR AREA OF RENOVATION (GROSS)	305 SF	305 SF (NO CHANGE)
BUILDING AREA	APPROX. TBD SF	NO CHANGE
CODES USED FOR DESIGN	IBC	IBC 2018

**OCCUPANT LOAD: (NO CHANGE)**

**FINISH CLASS RATINGS:**  
ALL FLOOR, WALL AND CEILING FINISHES WILL MEET OR EXCEED SMOKE DEVELOPMENT AND FLAME SPREAD RATING REQUIREMENTS OF IBC 2018 CHAPTER 8. (USE: E)  
MINIMUM FLOOR FINISH RATING REQUIRED: CLASS 'II'  
MINIMUM WALL/CEILING FINISH RATING REQUIRED: CLASS 'C'

**dci ARCHITECTS**  
107A W EDMONSTON DRIVE  
ROCKVILLE, MD 20852  
(P) 301-605-7005  
(C) 301-404-0449

OWNER  
**MONTGOMERY COUNTY PUBLIC SCHOOLS**

DIVISION OF CONSTRUCTION  
45 W. GLIDE DRIVE, 4<sup>TH</sup> FLOOR  
ROCKVILLE, MD 20850

MECHANICAL / PLUMBING / ELECTRICAL ENGINEER  
**ETA CONSULTING ENGINEERS, INC**  
220 NORTH ADAMS ST  
ROCKVILLE, MD 20850  
(P) 301-762-7172

CERTIFICATION BLOCK  
I certify that these documents were prepared and approved by me, and that I am a duly licensed architect under the laws of the State of Maryland  
License Number: 13183  
Expiration Date: July 12, 2024

**WALT WHITMAN HIGH SCHOOL  
ELEVATOR MODERNIZATION**  
7100 WHITTIER BLVD.  
BETHESDA, MD 20817

GENERAL NOTES, CODE ANALYSIS, AND ADA DETAILS

PROJECT NO.	24-006
DRAWN BY	MAS
REVIEWED BY	EM/AC

PERMIT/BID SET ISSUE 03.04.2024

REV.	ISSUE:	DATE

DRAWING STAMP

SHEET NUMBER  
**G001**





A

B

C

D



**DIVISION OF CONSTRUCTION**  
45 W. GUDE DRIVE, 4<sup>th</sup> FLOOR  
ROCKVILLE, MD 20850

**CERTIFICATION BLOCK**  
I certify that these documents were prepared and approved by me, and that I am a duly licensed engineer under the laws of the State of Maryland.  
**License Number: 12404**  
**Expiration Date: April 12, 2025**

**HVAC SYMBOLS LIST**

- EXISTING WORK
- EXISTING DUCTWORK TO BE REMOVED SINGLE LINE REPRESENTATION
- NEW DUCTWORK
- DOOR UNDERCUT
- POINT OF CONNECTION NEW TO EXISTING
- RETURN OR EXHAUST REGISTER
- EXISTING DIFFUSER. REBALANCE FOR CFM SHOWN.

**SUBSCRIPTS ADJACENT TO SYMBOLS**

- (E) EXISTING DEVICE
- (EXR) EXISTING RELOCATED DEVICE
- (XR) EXISTING DEVICE TO BE REMOVED AND RELOCATED
- (X) EXISTING DEVICE TO BE REMOVED

**ABBREVIATIONS**

- AFF ABOVE FINISHED FLOOR
- CFM CUBIC FEET PER MINUTE
- CLG CEILING
- CD CEILING DIFFUSER
- DIA DIAMETER
- DN DOWN
- ER EXHAUST REGISTER
- EXIST. EXISTING
- F FAN
- FLR FLOOR
- IE INVERT ELEVATION
- MIN MINIMUM
- RR RETURN REGISTER
- RA RETURN AIR
- TYP TYPICAL
- UNO UNLESS OTHERWISE NOTED
- UTR UP THRU ROOF
- VD VOLUME DAMPER

**GENERAL NOTES**

1. THE WORK SHALL INCLUDE ALL DEMOLITION, FURNISHING AND INSTALLING ALL HEATING, AIR CONDITIONING, VENTILATION, PLUMBING, AS SHOWN ON THE DRAWINGS AND AS SPECIFIED HEREIN.
2. THE CONTRACTOR SHALL EXAMINE THE DRAWINGS, SPECIFICATIONS, AND JOB SITE AND FULLY INFORM HIMSELF OF ALL EXISTING CONDITIONS AND WORK REQUIRED BY THE DRAWINGS AND SPECIFICATIONS BEFORE SUBMITTING A BID. WAIVER OF RESPONSIBILITY OR REQUEST FOR ADDITIONAL PAYMENT BASED ON LACK OF KNOWLEDGE OF CONDITIONS AT THE SITE WILL NOT BE ACCEPTED OR CONSIDERED.
3. PRIOR TO FABRICATION OF DUCTWORK, THIS CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND DIMENSIONS. IF DUCTS CANNOT BE INSTALLED AS SHOWN ON THE DRAWINGS, THIS CONTRACTOR SHALL NOTIFY THE OWNER'S ARCHITECT IMMEDIATELY. ANY EXTRA OR DEDUCT NECESSITATED BY THE ABOVE CONDITION SHALL BE SUBMITTED TO THE OWNER'S ARCHITECT IN WRITING PRIOR TO THE CONTINUATION OF THE WORK.
4. ALL THE WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE EDITIONS OF THE INTERNATIONAL MECHANICAL CODE, AND ALL LOCAL CODES AND REGULATIONS. WHERE ANY PORTIONS OF THE SYSTEMS SHOWN ON THE DRAWINGS IS NOT IN ACCORDANCE WITH ALL APPLICABLE LAWS, ORDINANCES, REGULATIONS OR CODES, THIS CONTRACTOR SHALL MAKE ALL CHANGES REQUIRED BY THE ENFORCING AUTHORITIES IN A MANNER APPROVED BY THE ENGINEER AND AT NO ADDITIONAL COST TO THE OWNER.
5. THE CONTRACTOR SHALL ORDER AND OBTAIN ALL NECESSARY TESTS, PERMITS AND CERTIFICATES OF APPROVAL AND PAY ANY REQUIRED FEES FOR SAME.
6. WORK SHALL BE PROTECTED AT ALL TIMES FROM DAMAGE BY PERSONS OR WEATHER AND ALL DAMAGED WORK RESTORED TO A NEW CONDITION BEFORE FINAL ACCEPTANCE.
7. IF DURING CONSTRUCTION, ANY HAZARDOUS MATERIALS ARE ENCOUNTERED SUCH AS LEAD, ASBESTOS, ETC., THE CONTRACTOR SHALL STOP WORK AND NOTIFY THE OWNER IMMEDIATELY. THE CONTRACTOR SHALL NOT PROCEED WITH THE WORK UNTIL AUTHORIZED TO DO SO, IN WRITING, BY THE OWNER.
8. THIS CONTRACTOR SHALL COORDINATE ALL HIS WORK WITH THE GENERAL CONTRACTOR FOR THE EXACT LOCATION OF CHASES, FURRING SPACES, DROPPED CEILINGS, STRUCTURE PENETRATIONS, PAINTING, ETC.
9. EXAMINE ALL SERVICES, EQUIPMENT, SURFACES ETC., WHICH THIS WORK IS IN ANY WAY DEPENDENT UPON. SHOULD THE CONTRACTOR DISCOVER ANY CONDITIONS WHICH WILL PREVENT FOLLOWING GOOD PRACTICE OR RESULT IN LESS THAN A FIRST-CLASS INSTALLATION, THE CONTRACTOR SHALL NOTIFY THE OWNER'S ARCHITECT IMMEDIATELY AND SHALL NOT PROCEED WITH HIS WORK UNTIL HE HAS RECEIVED INSTRUCTIONS FROM THE OWNER'S AGENT.
10. THE CONTRACTOR SHALL GUARANTEE THE ENTIRE INSTALLATION TO BE FREE FROM DEFECTS FOR ONE YEAR FROM THE DATE OF ACCEPTANCE BY THE OWNER. ANY DEFECTS OCCURRING DURING THE GUARANTEE PERIOD SHALL BE CORRECTED AT NO ADDITIONAL COST TO THE OWNER.
11. ALL EQUIPMENT REQUIRING ELECTRIC POWER SHALL BE SUITED FOR USE WITH THE POWER TO BE SUPPLIED. ALL ELECTRICAL REQUIREMENTS SHALL BE COORDINATED WITH THE ELECTRICAL CONTRACTOR.
12. ALL EQUIPMENT SHALL BE TESTED FOR PROPER OPERATION AND CORRECTED AS NECESSARY. TEST, ADJUST AND BALANCE ALL AIR SYSTEMS TO PROVIDE AIR QUANTITIES SHOWN ON THE FLOOR PLANS AND PREPARE BALANCING REPORTS. TESTING, BALANCING AND BALANCING REPORTS SHALL BE IN ACCORDANCE WITH PROCEDURES OUTLINED BY THE AABC OR THE NEBB. TESTING & BALANCING SHALL BE PERFORMED BY A CERTIFIED BALANCING CONTRACTOR EITHER WITH AABC OR NEBB.
13. CONTRACTOR SHALL INSTRUCT THE OWNER IN THE OPERATION AND MAINTENANCE OF ALL COMPONENTS OF THE INSTALLATION.

**WALT WHITMAN HIGH SCHOOL ELEVATOR MODERNIZATION**  
7100 WHITTIER BLVD.  
BETHESDA, MD 20817  
**SPECIFICATIONS, SYMBOLS & ABBREVIATIONS**

PROJECT NO.	24-006
DRAWN BY	A.R.S.
REVIEWED BY	C.A.

PROJECT ISSUE DATE	
REV.	DATE
△	02/27/2024
	03/04/2024

DRAWING STAMP

SHEET NUMBER  
**M000**

**GENERAL NOTES: DEMOLITION**

1. ALL WORK SHOWN ON THIS PLAN IS EXISTING AND TO REMAIN UNLESS OTHERWISE INDICATED.
2. LOCATION OF EXISTING DUCTWORK, AIR DEVICES, PIPING AND AIR HVAC EQUIPMENT WERE TAKEN FROM EXISTING DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF LOCATION, ELEVATIONS, AND SIZES DURING CONSTRUCTION.

**REFERENCE NOTES: DEMOLITION**

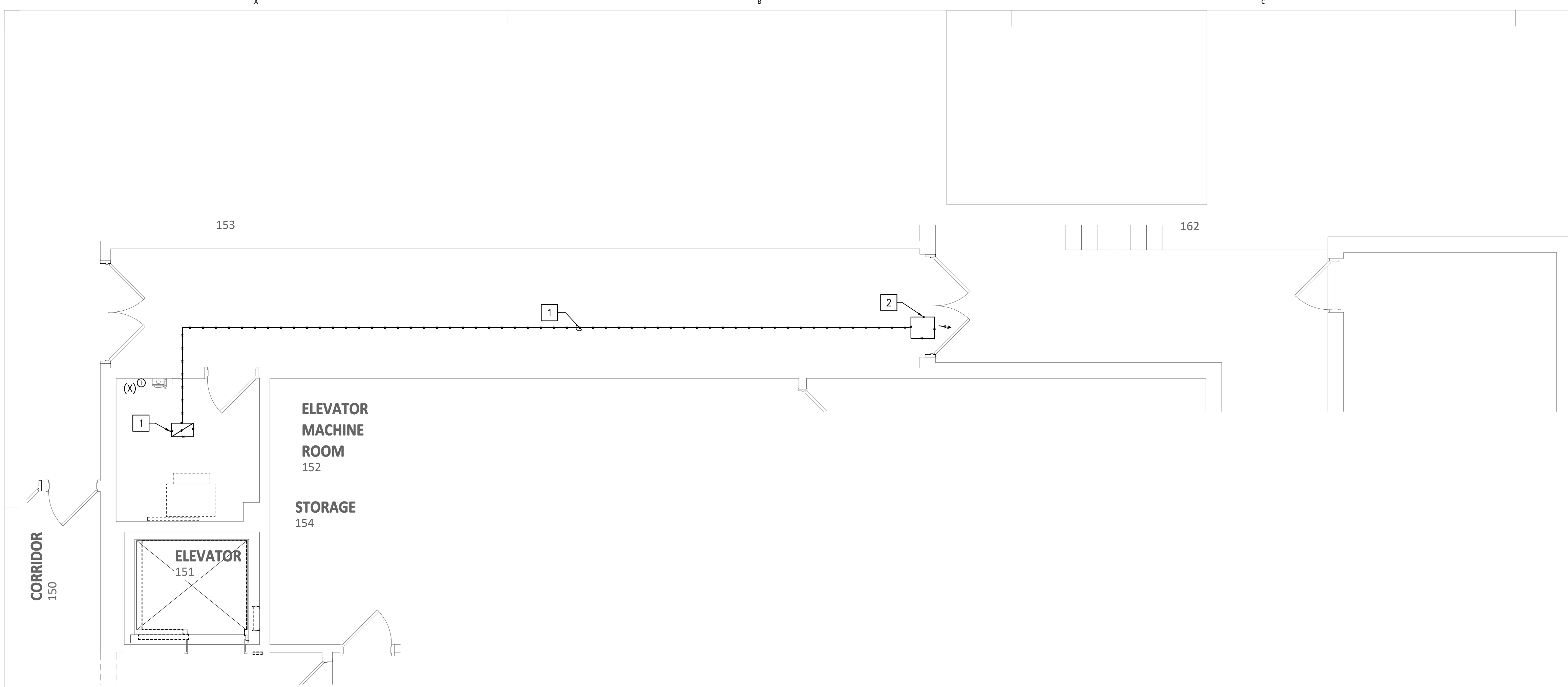
- 1 REMOVE EXHAUST FAN AND ALL ASSOCIATED DUCTWORK, WIRING, CONTROLS, THERMOSTAT, SUPPORT, ETC.
- 2 REMOVE EXISTING EXHAUST LOUVER ABOVE DOOR. PATCH WALL OPENING TO MATCH EXISTING.

**GENERAL NOTES: NEW WORK**

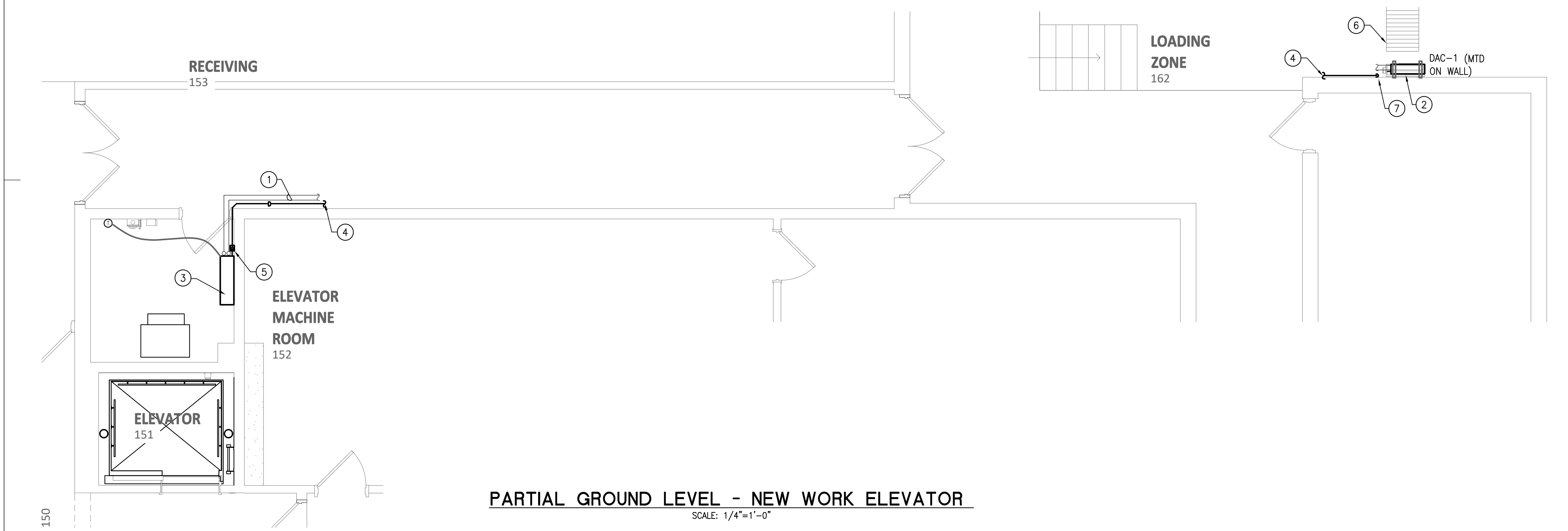
1. ALL WORK SHOWN ON THIS PLAN IS NEW UNLESS OTHERWISE INDICATED AS EXISTING.

**REFERENCE NOTES: NEW WORK**

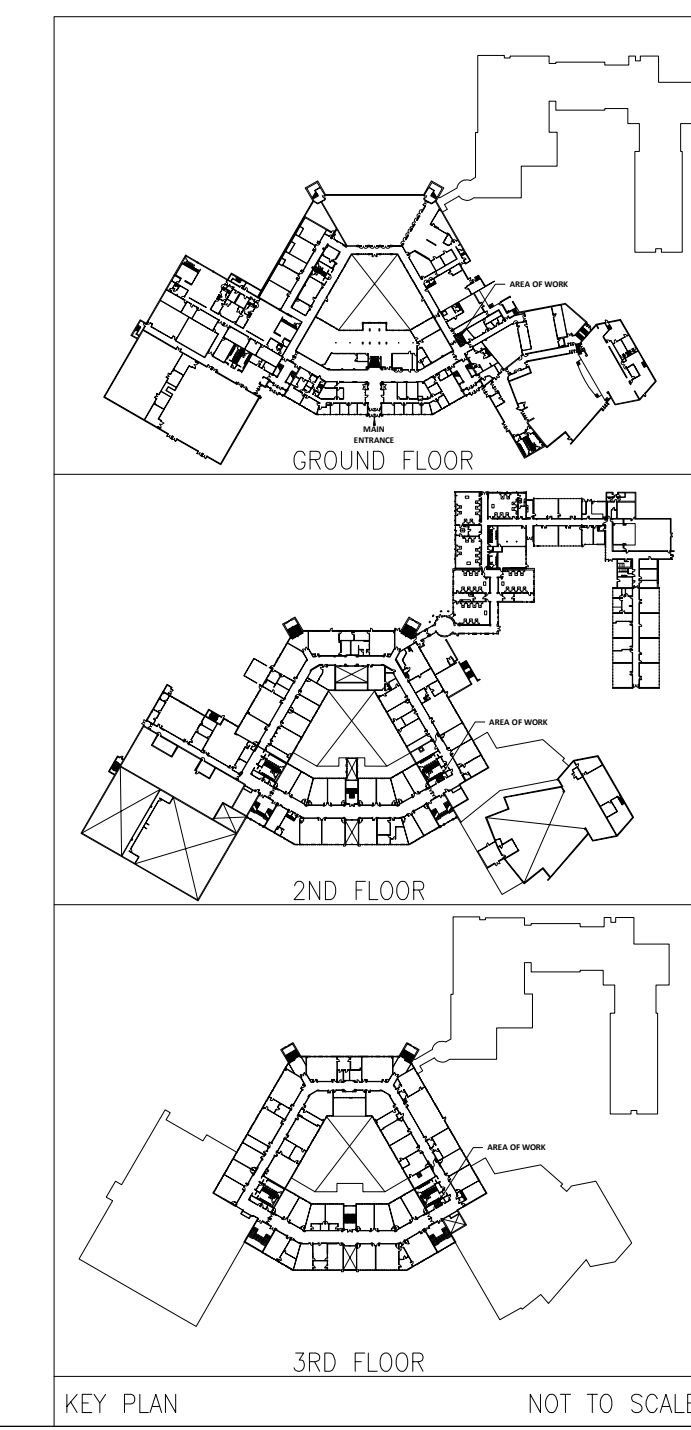
- 1 INSTALL REFRIGERANT PIPES ABOVE CEILING AS REQUIRED TO CONNECT TO OUTDOOR UNIT. FIELD COORDINATE EXACT ROUTING.
- 2 OUTDOOR UNIT MOUNTED ON WALL. PROVIDE MANUFACTURER BRACKETS AND INSTALL PER MANUFACTURER RECOMMENDATIONS. FIELD COORDINATE EXACT LOCATION.
- 3 FIELD COORDINATE EXACT UNIT LOCATION WITH ELEVATOR INSTALLER.
- 4 EXTEND 3/4" CONDENSATE DRAIN PIPE TO EXISTING TRENCH. FIELD COORDINATE EXACT ROUTING.
- 5 CONDENSATE PUMP BY LITTLE GIANT MODEL VCMA-15ULST. 60 WATTS MOTOR AT 115VOLTS/1PH/60HZ.
- 6 EXISTING TRENCH. FIELD VERIFY EXACT LOCATION.
- 7 3/4" CONDENSATE PIPE TO FLOOR TO DISCHARGE OVER TRENCH



**PARTIAL GROUND LEVEL - DEMOLITION ELEVATOR**  
SCALE: 1/4"=1'-0"



**PARTIAL GROUND LEVEL - NEW WORK ELEVATOR**  
SCALE: 1/4"=1'-0"



**WALT WHITMAN HIGH SCHOOL MODERNIZATION**  
ELEVATOR - DEMO AND NEW WORK FLOOR PLANS

7100 WHITTIER BLVD.  
BETHESDA, MD 20817

PROJECT NO.	24-006
DRAWN BY	A.R.S.
REVIEWED BY	C.A.

REV.	ISSUE:	DATE
	PERMIT SET	02/27/2024
	BID SET	03/04/2024

DRAWING STAMP

SHEET NUMBER  
**M100**

**DUCTLESS SPLIT SYSTEM HEAT PUMP SCHEDULE**

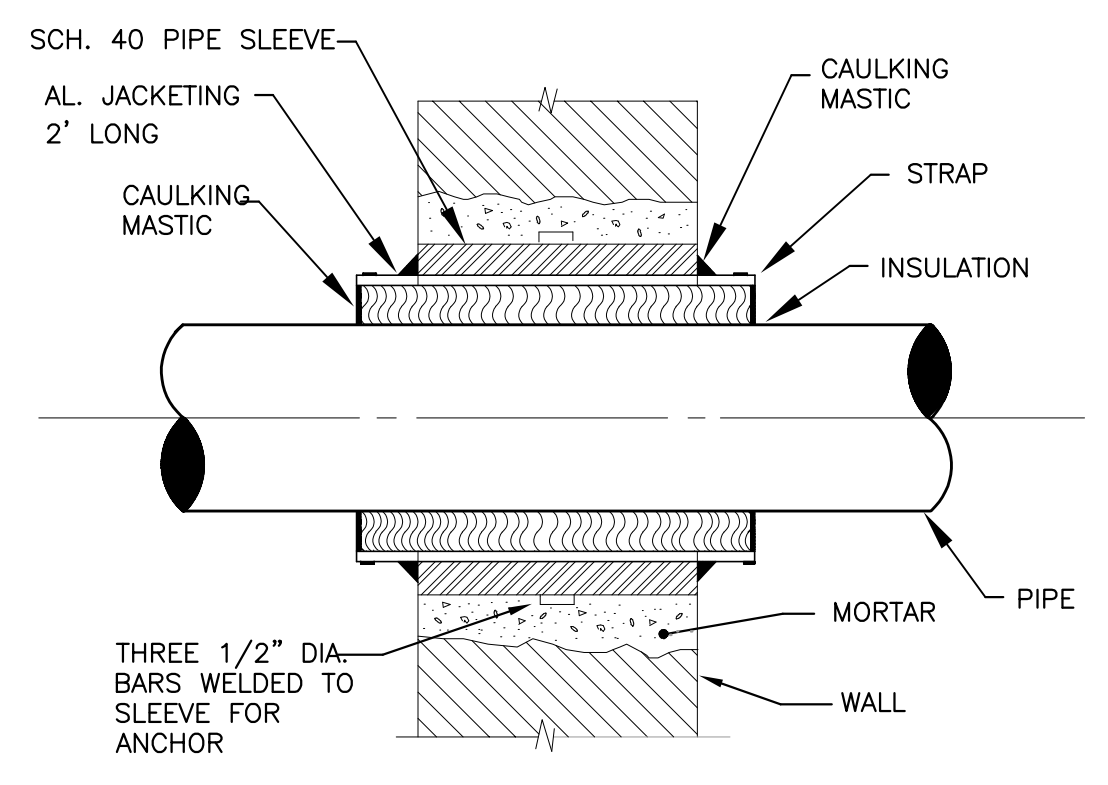
INDOOR AIR HANDLING UNIT														OUTDOOR HEAT PUMP												
SYSTEM TYPE	TOTAL C.F.M.	ESP. (IN. WG.)	COOLING CAPACITY		HEATING CAPACITY AT 17' OUTDOORS (MBH)	ELECTRICAL CHARACTERISTICS					MFR.	MODEL NO	UNIT WEIGHT (LBS)	REMARKS	UNIT TYPE	NOM. TON.	ELECTRICAL CHARACTERISTICS							MODEL NO	MIN. SEER	UNIT WEIGHT (LBS)
			TOTAL (MBH)	SENSIBLE (MBH)		MIN. AMPS	MOTOR FLA	VOLT	PH	HZ							COMP.	FAN FLA	MCA	MAX FUSE	VOLT	PH	HZ			
DU-1	425	N.A.	18.0	16.0	13,600	1.0	0.76	120	NA	NA	mitsubishi	PKA-A18	30	WALL MOUNTED	DAC-1	1.5	DC INVERTER	0.5	15	20	208	1	60	PVZ-A18	21.0	100

- NOTES:
- 1) LOW AMBIENT CONTROLLER KIT TO 0°F
  - 2) WALL MOUNTED THERMOSTAT
  - 3) WALL MOUNTED SUPPORT BRACKETS.
  - 4) REFRIGERANT: R410A
  - 5) PROVIDE WITH CONDENSATE DRAIN REMOVAL PUMPS.
  - 6) SINGLE POINT ELECTRICAL CONNECTION
  - 7) INDOOR UNITS RECEIVE ELECTRICAL POWER FROM OUTDOOR UNITS THROUGH FIELD-SUPPLIED INTERCONNECTED WIRING.

**PIPING INSULATION SCHEDULE**

PIPE	THICKNESS	TYPE
REFRIGERANT PIPING	3/4"	FLEXIBLE CLOSED CELL ELASTOMERIC THERMAL INSULATION WITH A MAXIMUM WATER VAPOR PERMEABILITY OF 0.05 PERM-IN WITH A "K" FACTOR OF 0.245 OR LESS AT 75 F MEAN TEMPERATURE. K-FLEX NBR/PVC INSULATION LOCATED OUTDOORS SHALL BE CLADDED WITH WEATHER RESISTANCE COVERING, K-FLEX TITAN.

- NOTES:
1. INSULATION SHALL HAVE A FLAME SPREAD RATING NOT EXCEEDING 25 AND A SMOKE DEVELOPED RATING NOT EXCEEDING 50.
  2. INSTALL INSULATION IN STRICT CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
  3. FOR PIPING OUTDOORS INSULATION SHALL BE PROTECTED WITH A WEATHER PROTECTION JACKET AS SPECIFIED.



**TYPICAL PIPE THRU EXTERIOR WALL DETAIL**  
NOT TO SCALE

CERTIFICATION BLOCK  
I certify that these documents were prepared and approved by me, and that I am a duly licensed engineer under the laws of the State of Maryland.  
License Number: 12404  
Expiration Date: April 12, 2025

**WALT WHITMAN HIGH SCHOOL ELEVATOR MODERNIZATION**  
7100 WHITTIER BLVD.  
BETHESDA, MD 20817  
SCHEDULES AND DETAILS

PROJECT NO.	24-006
DRAWN BY	A.R.S.
REVIEWED BY	C.A.

REV.	ISSUE:	DATE
	PERMIT SET	02/27/2024
	BID SET	03/04/2024

DRAWING STAMP

SHEET NUMBER  
**M300**





**GENERAL NOTES: DEMOLITION**

A. ALL WORK ON THIS PLAN IS EXISTING TO REMAIN UNLESS OTHERWISE INDICATED TO BE REMOVED.

**REFERENCE NOTES: DEMOLITION #**

- EXISTING FIRE ALARM DEVICES SERVING ELEVATOR MACHINE ROOM, PIT/SHAFT ARE TO REMAIN.
- EXISTING ELEVATOR PIT LIGHT FIXTURE TO BE REMOVED. REMOVE WIRE/CONDUIT BACK TO SOURCE.
- EXISTING ELEVATOR MOTOR 30HP-480V 3Ø DISCONNECT AND REMOVE ALL ASSOCIATED DISCONNECT SWITCH, CONDUIT AND WIRING, ETC. BACK TO SOURCE. TO BE REPLACE WITH NEW SEE NEW WORK.
- EXISTING ELEVATOR DISCONNECT SWITCH SERVING CAR FAN & LIGHTS TO BE REMOVE WITH ALL ASSOCIATED CONDUIT/WIRING. REFER TO NEW WORK.
- EXISTING LIGHT FIXTURE TO REMAIN

**ELEVATOR NOTE:**

MONTGOMERY COUNTY PUBLIC SCHOOLS, DOES NOT REQUIRE THE ELEVATORS TO BE CONNECTED TO THE GENERATOR EMERGENCY OR STANDBY CIRCUITS WHEN THE ELEVATOR UNIT IS EQUIPPED WITH BATTERY POWERING LOWERING DEVICES. THE EXISTING ELEVATOR AS WELL AS THE NEW ELEVATOR ARE EQUIPPED WITH BATTERY POWERING LOWERING DEVICES, THEREFORE IT DOES NOT REQUIRE TO BE CONNECTED TO THE GENERATOR.

**GENERAL NOTES: NEW WORK**

- ALL WORK ON THIS PLAN IS NEW UNLESS OTHERWISE INDICATED AS EXISTING.
- ELEVATOR: EMERGENCY BATTERY OPERATION LOWERING, A MECHANICAL AUXILIARY CONTACT SHALL BE INSTALLED ON THE DISCONNECT SWITCH FOR ELEV. CAP. THE AUXILIARY SHALL BE CONFIGURED AS SPST AT 1AMP 115V (MIN). THE AUXILIARY CONTACT SHALL BE OPEN WHEN THE DISCONNECT SWITCH IS IN THE OPEN POSITION. OF A SHUNT TRIP CIRCUIT BREAKER IS PROVIDED AN AUXILIARY CONTACT SHALL BE INSTALLED ON THE CIRCUIT BREAKER.
- ELEVATOR REQUIREMENTS MAY VARY FROM ONE MANUFACTURER TO ANOTHER. CONTRACTOR SHALL VERIFY ELECTRICAL REQUIREMENT OF ELEVATOR TO BE INSTALLED PRIOR TO ROUGH-IN TO ENSURE PROPER OPERATION AND OVERCURRENT PROTECTION.
- PROVIDE NEW SHUNT-TRIP TYPE MAIN LINE DISCONNECT SWITCHES AND FUSES CAR LIGHTING DISCONNECT SWITCHES. PROVIDE REQUIRED GROUNDING CONDUCTOR IN EACH DISCONNECT SWITCH. PROVIDE POWER SUPPLY AND BRANCH CIRCUIT FOR MACHINE ROOM PUMPING UNIT OIL COOLER OR OIL HEATER.

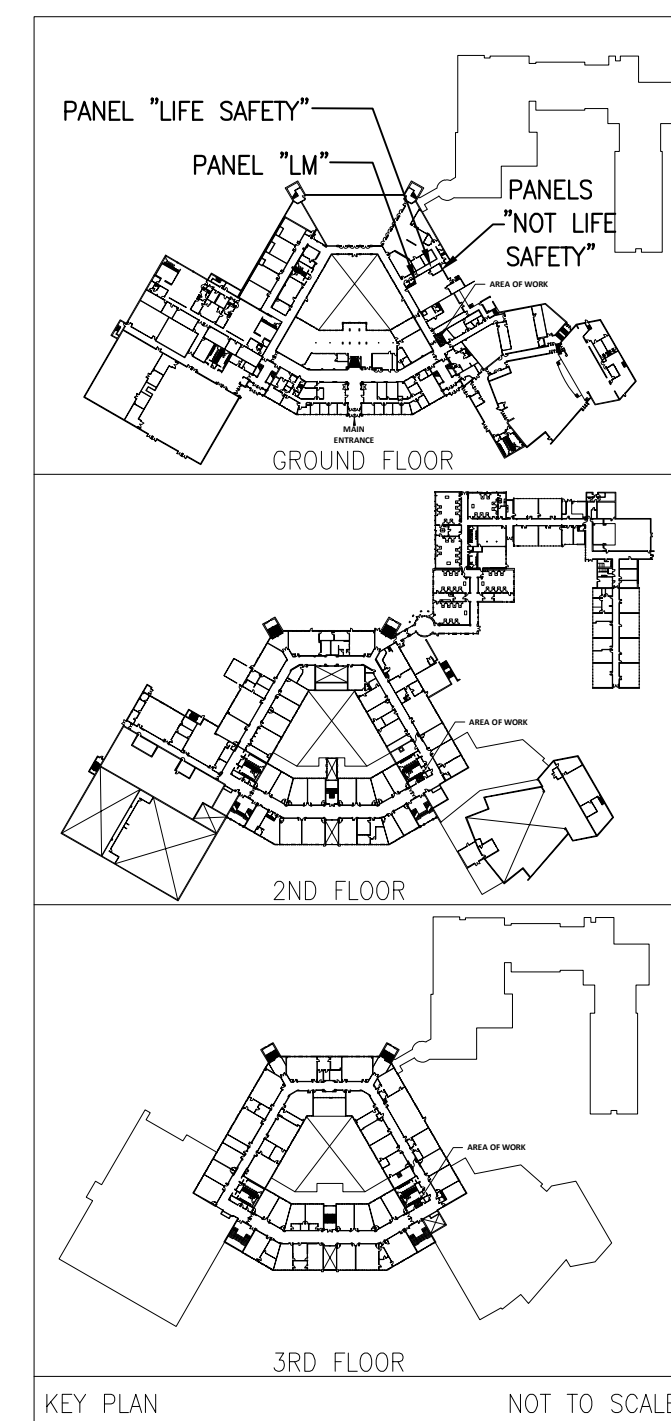
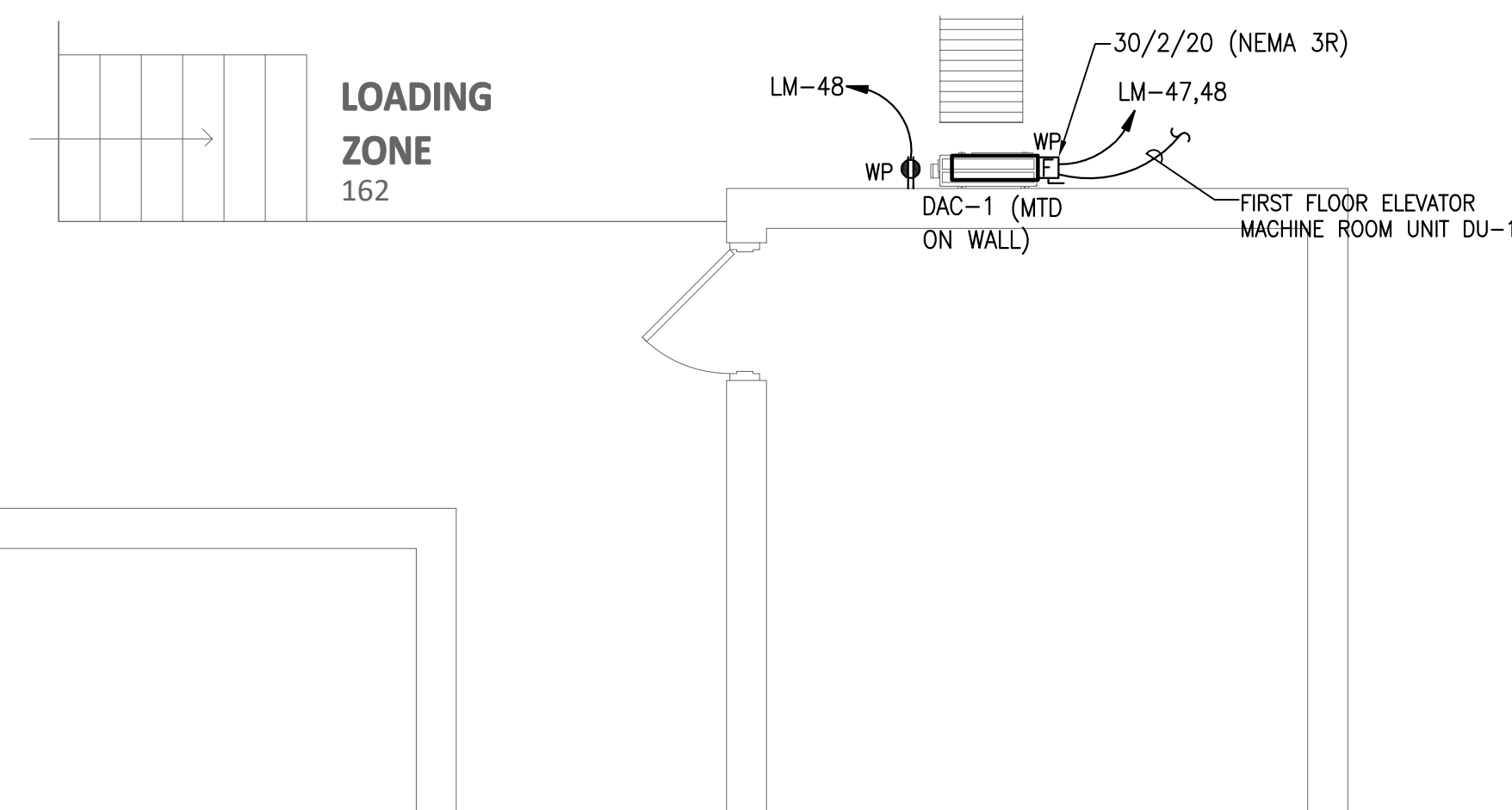
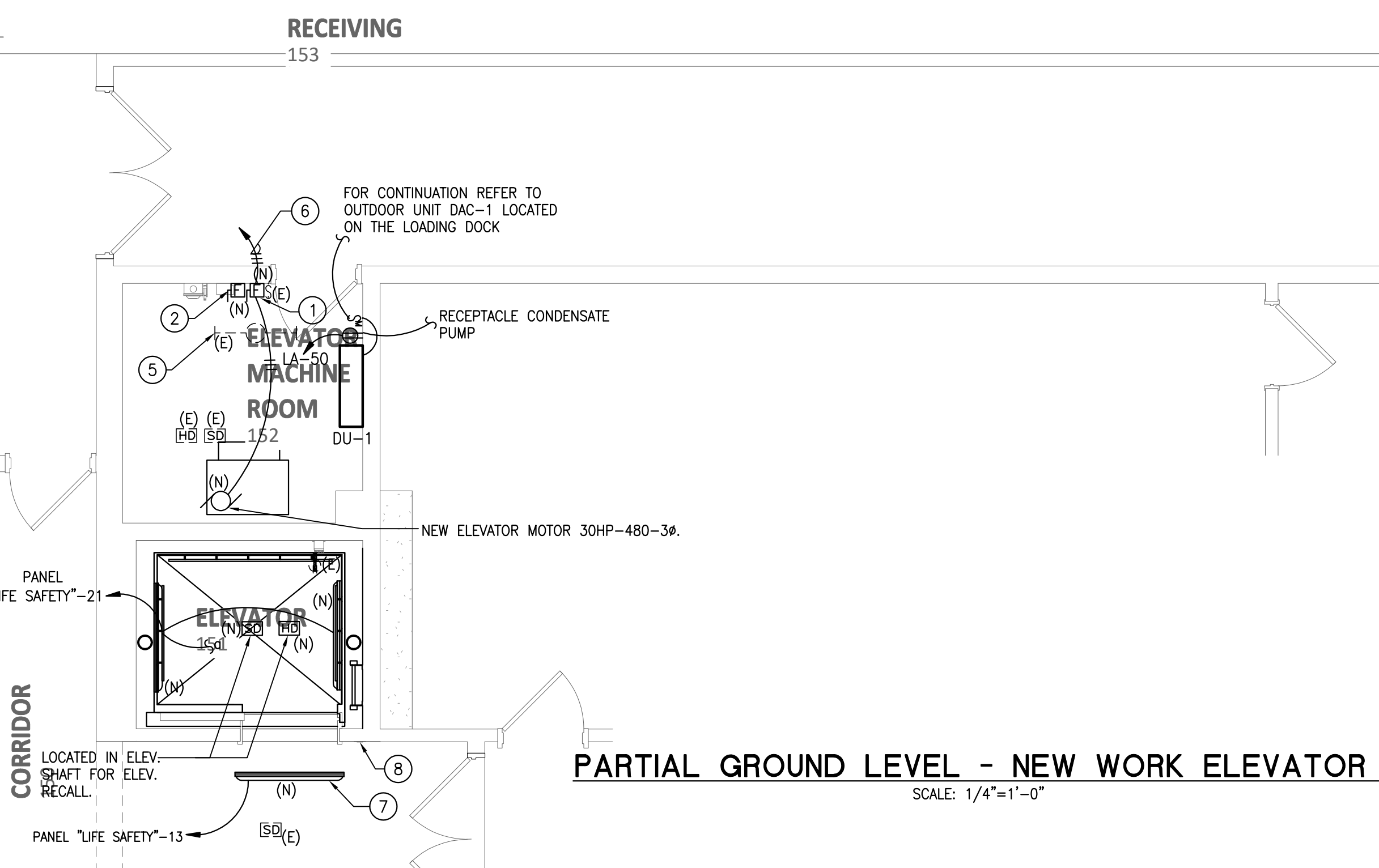
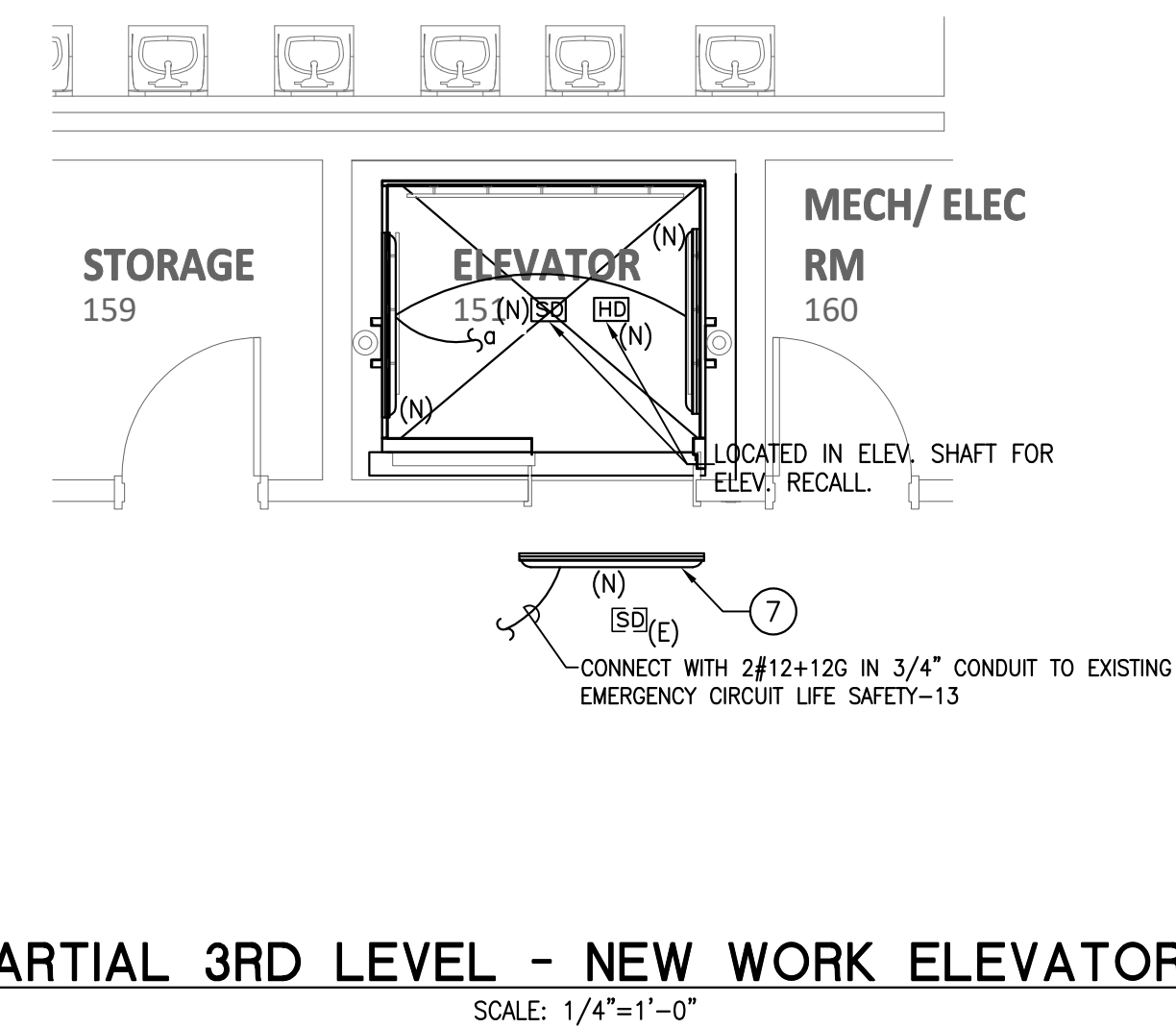
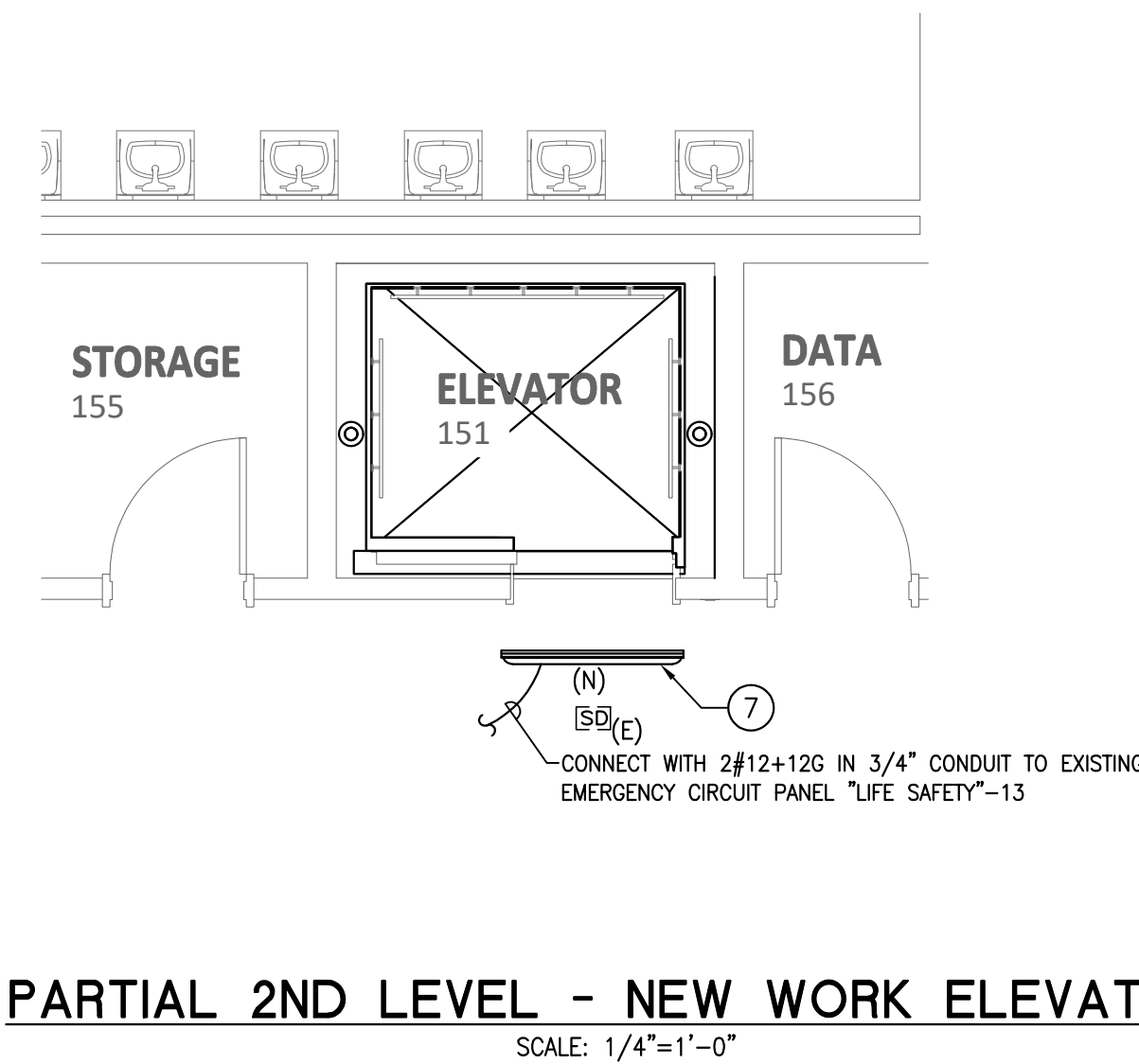
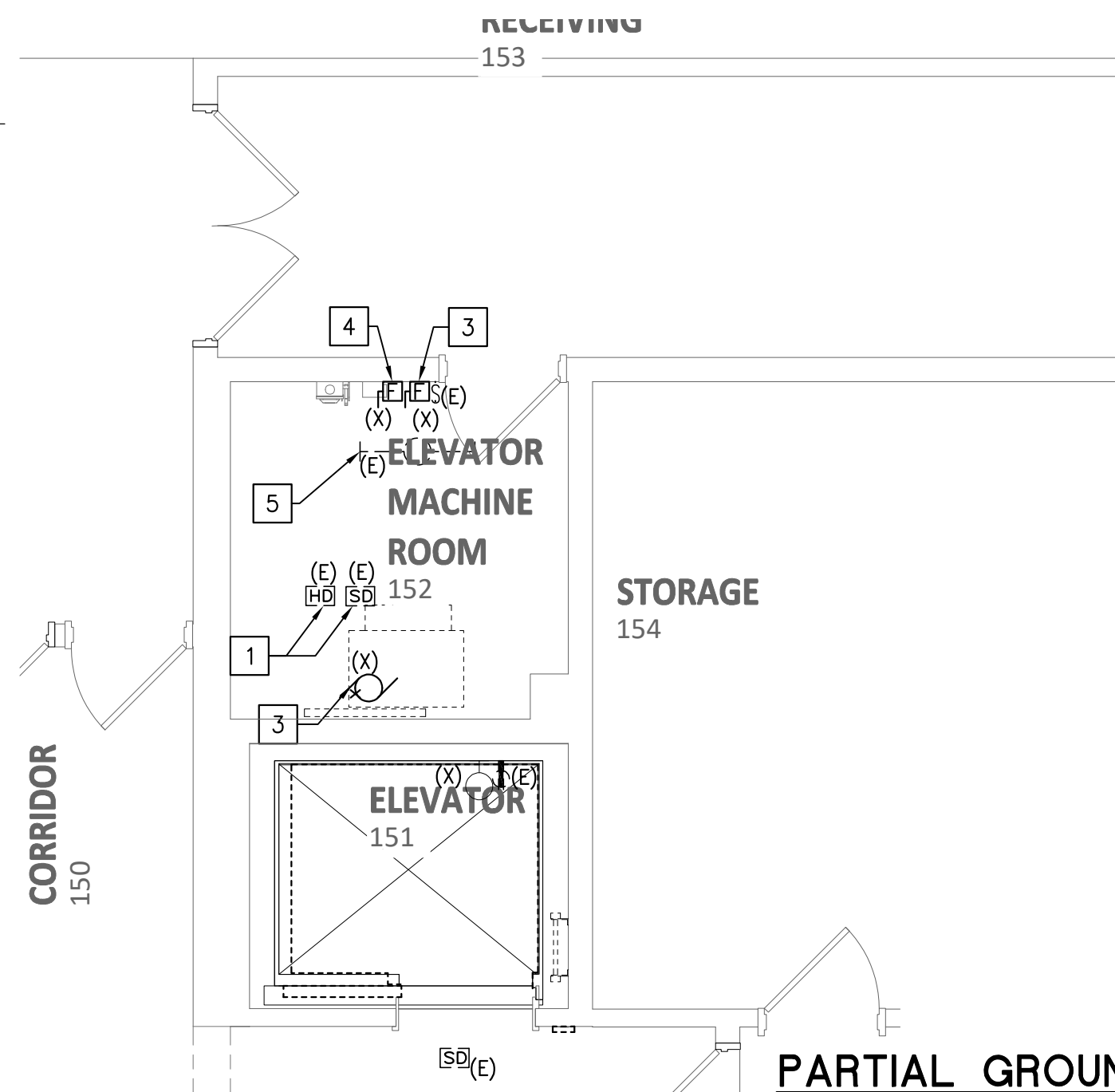
**REFERENCE NOTES: NEW WORK #**

- PROVIDE 3P-100 AMP FUSED DISCONNECT SWITCH WITH 90 AMP DUAL ELEMENT TIME DELAY. FUSES SWITCH SHALL BE PROVIDED WITH PROVISION TO SEAL IN THE "OFF" POSITION, PROVIDE AUX DRY CONTACT.
- PROVIDE 1P+S/N 30 AMP FUSED DISCONNECT SWITCH WITH 20 AMP FUSE FOR ELEVATOR CAR FAN & LIGHT.
- NOT USE
- PROVIDE MODIFICATIONS AND PROGRAMING OF THE BUILDING FIRE ALARM AND SMOKE DETECTOR SYSTEM AND ASSOCIATED DEVICES FOR ELEVATOR RECALL AND SHUNT TRIP OPERATION. AT THE PRESENT ALL EXISTING ELEVATOR RECALL SYSTEM SMOKE, HEAT DETECTOR IN THE ELEVATOR MACHINE ROOM, ELEVATOR PIT/SHAFT AND LOBBY ARE EXISTING TO REMAIN UON. THIS CONTRACTOR SHALL MODIFY IF SO REQUIRED BY NEW ELEVATOR REQUIREMENTS.
- PROVIDE NEW LED LIGHT FIXTURE FULLY ENCLOSED & GASKETED AT ELEVATOR PIT AND MACHINE ROOM LIGHT FIXTURE MANUFACTURER BY WILLIAMS CATALOG #96-4-L40-840-HIAFR-WET/1-UNIV FOR ELEVATOR PIT PROVIDE PART #WMB OR PROVIDE SIMILAR LIGHT FIXTURE.
- RECONNECT BACK TO EXISTING PANEL "NOT LIFE SAFETY" #1 200 AMP 277/480V 3Ø 4W EXIST. POSITIONS #4,6 & 8 TO EXIST. 3P-90 AMP CIRCUIT BREAKER W/BUILT-IN SHUNT-TRIP MECHANISM SERVING SAME AND CONNECT WITH 3#3+8G IN 1 1/4" CONDUIT. REFER TO ELEVATOR NOTE ON THIS SHEET. EMERGENCY PANEL ARE UNDER WARRANTY BY AMBER ENTERPRISE. BIDDER SHOULD SEEK APPROVAL FROM AMBER, SO WARRANT IS NOT VOIDED.
- PROVIDE NEW RECESSED LED LIGHT FIXTURE MODEL MX4RG-2'00-L12-8-30-F-DRV-UNV MANUFACTURED BY WILLIAMS LIGHTING OR SIMILAR.
- CARD READER CONNECTION, RE-CONNECT TO EXISTING 120V RECEPTACLE CIRCUIT SERVING AREA WITH 2#12+12G IN 3/4" CONDUIT.



**DIVISION OF CONSTRUCTION**  
45 W. GUDE DRIVE, 4<sup>th</sup> FLOOR  
ROCKVILLE, MD 20850

**CERTIFICATION BLOCK**  
I certify that these documents were prepared and approved by me, and that I am a duly licensed engineer under the laws of the State of Maryland.  
**License Number: 12404**  
**Expiration Date: April 12, 2025**



**WALT WHITMAN HIGH SCHOOL MODERNIZATION**  
ELEVATOR -1 - DEMO AND NEW WORK FLOOR PLANS  
7100 WHITTIER BLVD.  
BETHESDA, MD 20817

PROJECT NO.	24-006
DRAWN BY	E.J.C.
REVIEWED BY	R.C.

REV.	ISSUE:	DATE
	PERMIT SET	02/27/2024
	BID SET	03/04/2024

**DRAWING STAMP**

**SHEET NUMBER**  
**E002**

EXISTING PANELBOARD SCHEDULE														NOT LIFE SAFETY #1			
VOLTAGE	PHASE	WIRE	MCB (A)		MLO (A)		AIC	MOUNTING			REMARKS						
277/480	3	4	200		200		10000	RECESSED									
TYPE LEGEND														MAIN ELECTRICAL ROOM			
L	LIGHTING		K		KITCHN EQPMNT.		E	EXISTING									
R	RECEPTACLES		Z		LARGEST MOTOR		-										
M	MECH EQUIP		O		OTHER		-										
CKT. #	ITEM SERVED	TYPE	WIRE	COND.	TRIP	P	LOAD (VA)	LOAD (VA)	CKT. BRK	COND.	WIRE	TYPE	ITEM	CKT. #			
1	EXISTING EM PANEL "L"	E	E		40	3	A	20	1	20	E	E	SPARE	2			
3	HEM 2						B	10236	3	90	E	E	EXISTING ELEVATOR	4			
5							C	10236						6			
7	EXISTING HEM 1	E	E		50	3	A	10236					EXISTING SHUNT-TRIP	8			
9							B						EXISTING PUMP #2	10			
11							C	1000	3	20	E	E	EXISTING PUMP #1	12			
13	SPACE						A	1000						14			
15	SPACE						B	1000						16			
17	SPACE						C	1000	3	20	E	E	EXISTING PUMP #1	18			
19	SPACE						A	1000						20			
21	SPACE						B	1000						22			
23	SPACE						C	1000						24			
25	SPACE						A		3	100	E	E	EXISTING EMERGENCY PANEL	26			
27	SPACE						B							28			
29	SPACE						C							30			

NOTES:  
1. ALL WRING SHALL BE 2#12#12G UNO  
2.

TYPE	LOAD (VA)	PNL	SUBLOADS (VA)	PNL	PNL	CONN LD (VA)	DEMAND FACTOR	DEMAND LOAD (VA)
LIGHTING	0	-	-	-	-	0	125%	0
RECEPTACLES	6,000	-	-	-	-	6,000	*	6,000
MECH EQUIP	0	-	-	-	-	0	100%	0
KITCHN EQPMNT.	0	-	-	-	-	0	100%	0
LARGEST MOTOR	0	-	-	-	-	0	125%	0
OTHER	30,708	-	-	-	-	30,708	100%	30,708
EXISTING	0	-	-	-	-	0	125%	0

CONNECTED TOTAL (VA) 36,708  
CONNECTED AMPACITY (A) 44.15

DEMAND LOAD 36,708  
DEMAND AMPACITY (A) 44.15

EXISTING PANELBOARD SCHEDULE														NOT LIFE SAFETY #2			
VOLTAGE	PHASE	WIRE	MCB (A)		MLO (A)		AIC	MOUNTING			REMARKS						
120/208	3	4	200		200		10000	RECESSED									
TYPE LEGEND														MAIN ELECTRICAL ROOM			
L	LIGHTING		K		KITCHN EQPMNT.		E	EXISTING									
R	RECEPTACLES		Z		LARGEST MOTOR		-										
M	MECH EQUIP		O		OTHER		-										
CKT. #	ITEM SERVED	TYPE	WIRE	COND.	TRIP	P	LOAD (VA)	LOAD (VA)	CKT. BRK	COND.	WIRE	TYPE	ITEM	CKT. #			
1	EXISTING BOILER #1	O	E	E	20	1	1500	A	1500	2	20	E	E	EXISTING BLOCK HEATER	2		
3	EXISTING BOILER #2	O	E	E	20	1	1500	B	1500					4			
5	EXISTING ELEVATOR SHUNT-TRIP	E	E	E	20	1	C	1000	1	20	E	R	EXISTING CHARGE GEN	6			
7	EXISTING WALK-IN FREEZER	K	E	E	20	3	1500	A	1200	3	15	E	E	EXISTING WALK-IN COOLER UNIT	8		
9							B	1200						10			
11							C	1200						12			
13	SPACE						A							14			
15	SPACE						B							16			
17	SPACE						C							18			
19	SPACE						A							20			
21	SPACE						B							22			
23	SPACE						C							24			
25	SPACE						A							26			
27	SPACE						B							28			
29	SPACE						C							30			

NOTES:  
1. ALL WRING SHALL BE 2#12#12G UNO  
2.

TYPE	LOAD (VA)	PNL	SUBLOADS (VA)	PNL	PNL	CONN LD (VA)	DEMAND FACTOR	DEMAND LOAD (VA)
LIGHTING	0	-	-	-	-	0	125%	0
RECEPTACLES	1,000	-	-	-	-	1,000	*	1,000
MECH EQUIP	0	-	-	-	-	0	100%	0
KITCHN EQPMNT.	8,100	-	-	-	-	8,100	100%	8,100
LARGEST MOTOR	0	-	-	-	-	0	125%	0
OTHER	6,000	-	-	-	-	6,000	100%	6,000
EXISTING	0	-	-	-	-	0	125%	0

CONNECTED TOTAL (VA) 15,100  
CONNECTED AMPACITY (A) 41.91

DEMAND LOAD 15,100  
DEMAND AMPACITY (A) 41.91

EXISTING PANELBOARD SCHEDULE														LIFE SAFETY			
VOLTAGE	PHASE	WIRE	MCB (A)		MLO (A)		AIC	MOUNTING			REMARKS						
120/208	3	4	200		200		10000	RECESSED									
TYPE LEGEND														MAIN ELECTRICAL ROOM			
L	LIGHTING		K		KITCHN EQPMNT.		E	EXISTING									
R	RECEPTACLES		Z		LARGEST MOTOR		-										
M	MECH EQUIP		O		OTHER		-										
CKT. #	ITEM SERVED	TYPE	WIRE	COND.	TRIP	P	LOAD (VA)	LOAD (VA)	CKT. BRK	COND.	WIRE	TYPE	ITEM	CKT. #			
1	EXISTING COMPUTER TRACK	R	E	E	20	2	900	A	500	2	20	E	E	EXISTING FACP (FIRE ALARM)	2		
3							B	500						4			
5	EXISTING EXITS AUDITORIUM	L	E	E	20	1	500	C	720	1	20	E	E	EXISTING SECURITY PLUG 2ND & 3RD FLOOR	6		
7	EXISTING REFRIGERATOR HEALTH ROOM	R	E	E	20	1	1200	A	360	3	20	E	E	EXISTING PLUG TEL ROOM 1ST FLOOR	8		
9	EXISTING PLUG T.V. ROOM 1ST.	R	E	E	20	1	250	B	360	1	20	E	E	EXISTING VOICE (FIRE ALARM)	10		
11	EXISTING REFRIGERATOR MONITOR	R	E	E	20	1	1000	C	1500	1	20	E	E	EXISTING LIFT AUD (CHAIR)	12		
13	FRONT ELEVATOR LIGHTS	L	E	E	20	1	500	A		2	30			SPARE	14		
15	EXISTING S/N	L	E	E	20	1	720	B						SPARE	16		
17	EXISTING PLUG MAIN OFFICE	R	E	E	20	1	900	C	350					EXISTING KITCHEN HOOD & RELAYS	18		
19	EXISTING PLUG GYM	R	E	E	20	1	1080	A	1300	3	40	E	E	EXISTING AIR COMPRESSOR	20		
21	EXISTING ELEVATOR PIT LIGHTS	L	E	E	20	1	500	B	1300						22		
23	EXISTING STADIUM GATE	O	E	E	30	1	1000	C	1300						24		
25	EXISTING STADIUM GATE	O	E	E	30	1	1000	A	500	1	20	E	E	EXISTING EXITS AUDITORIUMS	26		
27	EXISTING STADIUM EM LIGHTS	L	E	E	30	1	1200	B	500	1	20	E	E	EXISTING EXITS AUDITORIUMS	28		
29	SPARE				30	1	C	1200	1	20	E	E	EXISTING AUDITORIUMS EM LIGHTS	30			

NOTES:  
1. ALL WRING SHALL BE 2#12#12G UNO  
2.

TYPE	LOAD (VA)	PNL	SUBLOADS (VA)	PNL	PNL	CONN LD (VA)	DEMAND FACTOR	DEMAND LOAD (VA)
LIGHTING	4,620	-	-	-	-	4,620	125%	5,775
RECEPTACLES	10,170	-	-	-	-	10,170	*	10,085
MECH EQUIP	0	-	-	-	-	0	100%	0
KITCHN EQPMNT.	0	-	-	-	-	0	100%	0
LARGEST MOTOR	0	-	-	-	-	0	125%	0
OTHER	6,760	-	-	-	-	6,760	100%	6,760
EXISTING	0	-	-	-	-	0	125%	0

CONNECTED TOTAL (VA) 21,550  
CONNECTED AMPACITY (A) 59.82

DEMAND LOAD 22,620  
DEMAND AMPACITY (A) 62.79

EXISTING PANELBOARD SCHEDULE														LM			
VOLTAGE	PHASE	WIRE	MCB (A)		MLO (A)		AIC	MOUNTING			REMARKS						
120/208	3	4	225		225		10000	SURFACED			BOILER ROOM (DOUBLE SECTION PANEL)						
TYPE LEGEND														BOILER ROOM (DOUBLE SECTION PANEL)			
L	LIGHTING		K		KITCHN EQPMNT.		E	EXISTING									
R	RECEPTACLES		Z		LARGEST MOTOR		-										
M	MECH EQUIP		O		OTHER		-										
CKT. #	ITEM SERVED	TYPE	WIRE	COND.	TRIP	P	LOAD (VA)	LOAD (VA)	CKT. BRK	COND.	WIRE	TYPE	ITEM	CKT. #			
1	EXISTING WATER HEATER CONTROL CIRCUIT	O	E	E	20	1	1000	A	1500	1	15	E	E	EXISTING HOT WATER CIRC. #1 & #2	2		
3	EXISTING WATER HEATER CONTROL CIRCUIT	O	E	E	20	1	1000	B	1500	1	15	E	E	EXISTING HOT WATER CIRC. #1 & #2	4		
5	EXISTING WATER HEATER CONTROL CIRCUIT	O	E	E	20	1	1000	C	900	1	20	E	E	EXISTING BOILER CONTROL CIRCUITS	6		
7	EXISTING MECH. RM. UTILITY RECEPTACLES	R	E	E	20	1	1080	A	900	1	20	E	E	EXISTING BOILER CONTROL CIRCUITS	8		
9	EXISTING TEMPERATURE CONTROL PANEL	R	E	E	20	1	1080	B	1500	1	20	E	E	EXISTING AFTER COOLER UNIT	10		
11	EXISTING COMPUTER RECEPTACLES	R	E	E	20	1	1080	C	1080	1	20	E	E	EXISTING COMPUTER RECEPTACLES	12		
13	EXISTING COMPUTER RECEPTACLES	R	E	E	20	1	1080	A	1080	1	20	E	E	EXISTING COMPUTER RECEPTACLES	14		
15	EXISTING GENERAL RECEPTS/PLUGSTRIP	R	E	E	20	1	1080	B	1080	1	20	E	E	EXISTING GENERAL RECEPTS/PLUGSTRIP	16		
17	EXISTING GENERAL RECEPTS/PLUGSTRIP	R	E	E	20	1	900	C	900	1	20	E	E	EXISTING GENERAL RECEPTS/PLUGSTRIP	18		
19	EXISTING GENERAL RECEPTS/PLUGSTRIP	R	E	E	20	1	900	A	1080	1	20	E	E	EXISTING GENERAL RECEPTS/PLUGSTRIP	20		
21	EXISTING GENERAL RECEPTS/PLUGSTRIP	R	E	E	20	1	1080	B	1080	1	20	E	E	EXISTING GENERAL RECEPTS/PLUGSTRIP	22		
23	EXISTING GENERAL RECEPTS/PLUGSTRIP	R	E	E	20	1	1080	C	900	1	20	E	E	EXISTING GENERAL RECEPTS/PLUGSTRIP	24		
25	EXISTING GENERAL RECEPTS/PLUGSTRIP	R	E	E	20	1	1080	A	900	1	20	E	E	EXISTING GENERAL RECEPTS/PLUGSTRIP	26		
27	EXISTING GENERAL RECEPTS/PLUGSTRIP	R	E	E	20	1	1080	B	900	1	20	E	E	EXISTING GENERAL RECEPTS/PLUGSTRIP	28		
29	EXISTING GENERAL RECEPTS/PLUGSTRIP	R	E	E	20	1	1080	C	1500	1	20	E	E	EXISTING WALL HEATERS	30		
31	EXISTING CABINETS HEATERS	O	E	E	15	1	1500	A	1500	1	15	E	E	EXISTING CABINET HEATERS	32		
33	EXISTING UNITS HEATERS	O	E	E	15	1	1500	B	250	1	15	E	E	EXISTING CABIN FAN #2	34		
35	EXISTING CEILING FAN#1	L	E	E	15	1	300	C	1500	1	15	E	E	EXISTING PRV #33, #34 & #53	36		
37	EXISTING PRVS #33, #34, & #53	R	E	E	20	1	1500	A	1500</								