

SHERWOOD HIGH SCHOOL

ELEVATOR MODERNIZATION

300 OLNEY SANDY SPRING,
SANDY SPRING, MD 20860

PERMIT/BID SET ISSUE

03.09.2026

ABBREVIATIONS

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

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

DRAWING LIST

GENERAL	G000 COVER SHEET
G001	GENERAL NOTES, CODE ANALYSIS, AND ADA DETAILS
ARCHITECTURAL	A101 DEMOLITION AND PROPOSED FLOOR PLANS
A102	ELEVATOR DETAILS
MECHANICAL	M000 MECHANICAL GENERAL NOTES, SYMBOLS, & ABBREVIATIONS
M100	MECHANICAL DEMOLITION & NEW WORK
M200	MECHANICAL SCHEDULES & DETAIL
ELECTRICAL	E000 ELECTRICAL GENERAL NOTES, SYMBOLS, & ABBREVIATIONS
E101	ELECTRICAL DEMOLITION & NEW WORK
E200	ELECTRICAL PANEL SCHEDULES & RISER DIAGRAM

SYMBOLS

PARTITION TAG	REVISION TYPE
DOOR TAG	EQUIPMENT TAG
WINDOW TAG	RESTROOM ACCESSORY TAG
	KEYNOTES

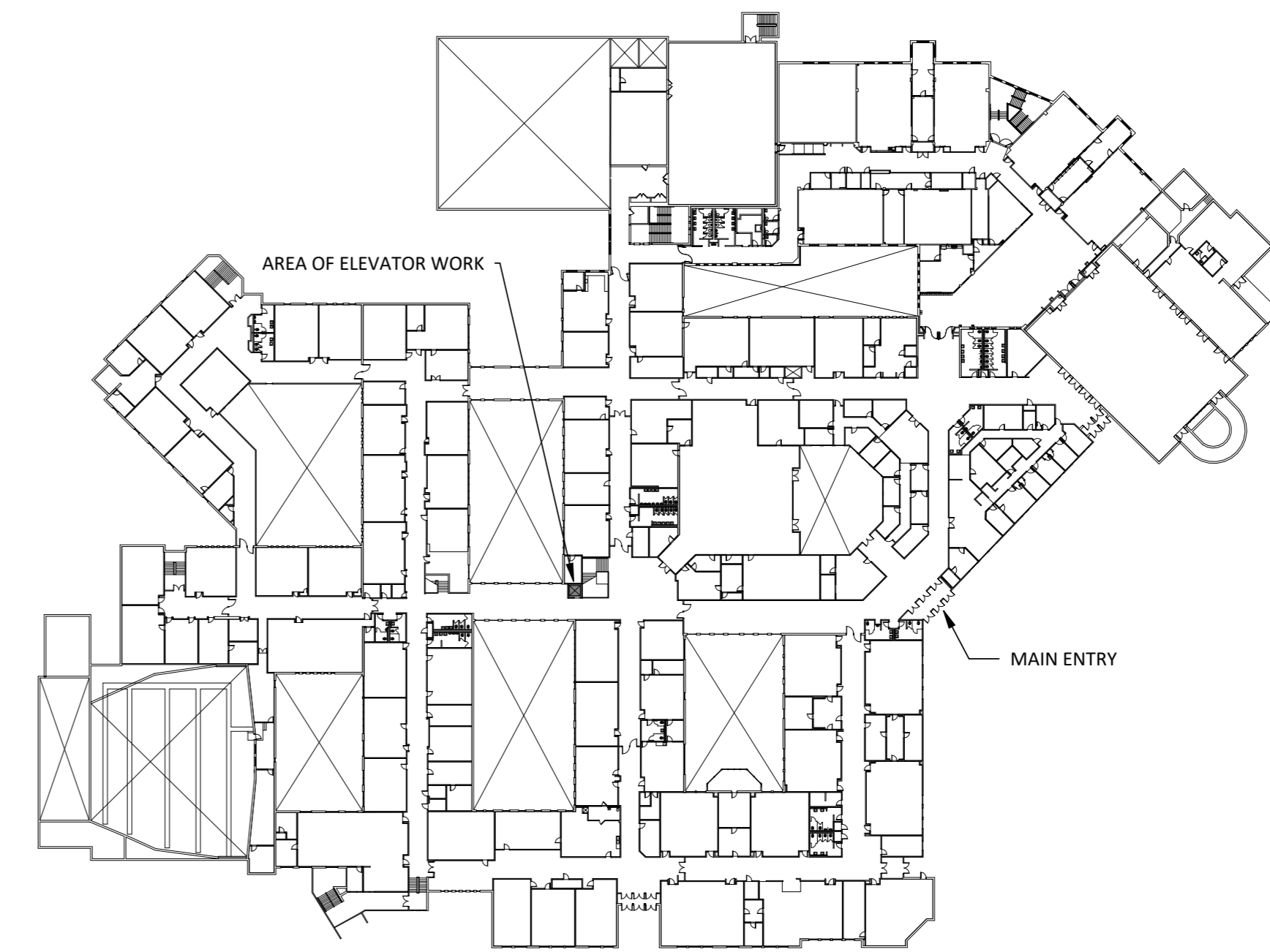
DRAWING TAGS

DRAWING TITLE	PLAN DETAIL
ELEVATION	SECTION

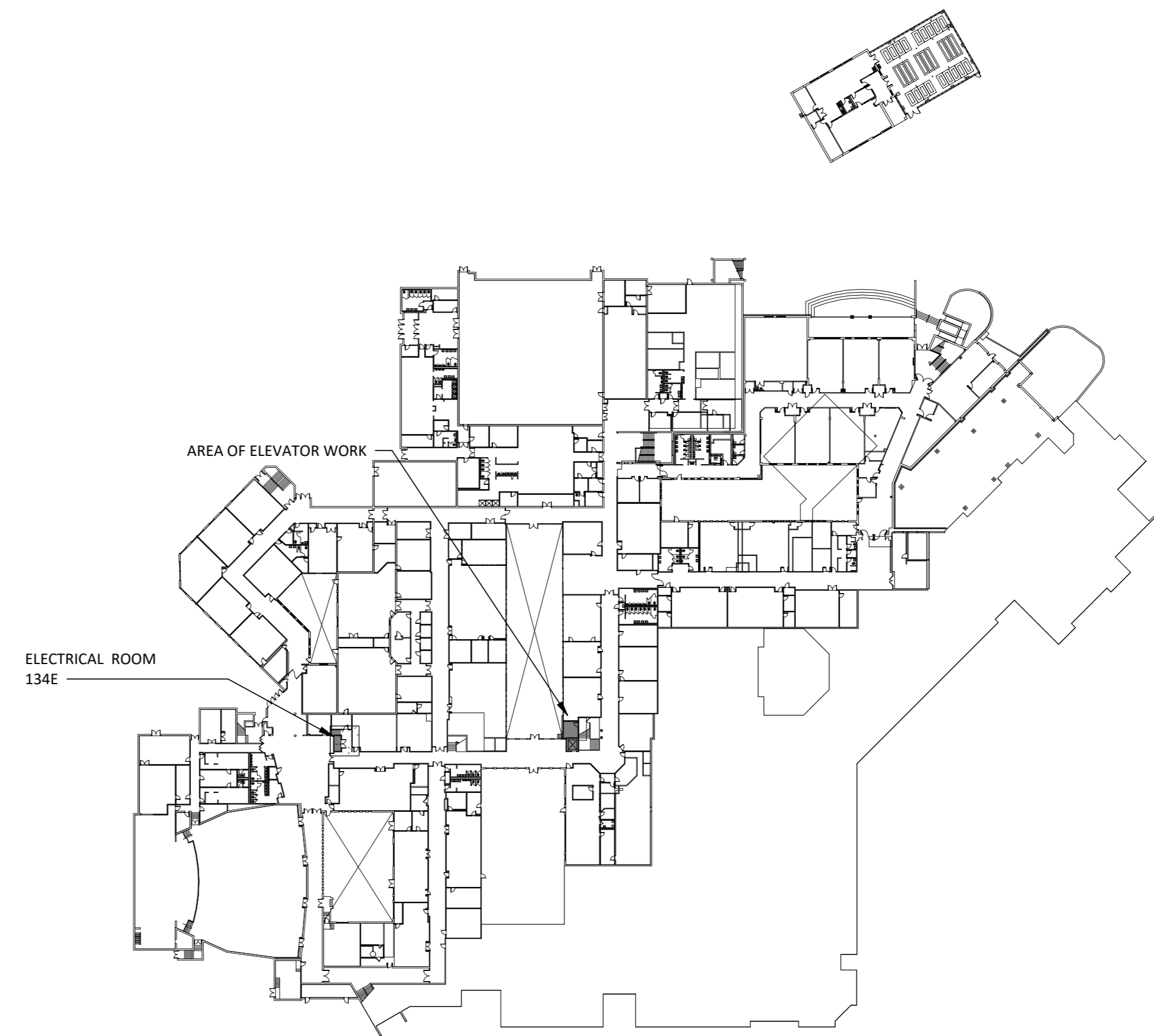
VICINITY MAP



EXISTING PLANS



MAIN FLOOR PLAN



LOWER FLOOR PLAN



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



DIVISION OF CONSTRUCTION
45 W. GUDE DRIVE, 4TH FLOOR
ROCKVILLE, MD 20850

MECHANICAL / PLUMBING / ELECTRICAL ENGINEER
CTA 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, 2026

SHERWOOD HIGH SCHOOL ELEVATOR MODERNIZATION

300 OLNEY SANDY SPRING
SANDY SPRING, MD 20860
COVER SHEET

PROJECT NO: 25-082
DRAWN BY: ZT
REVIEWED BY: EM/MAS

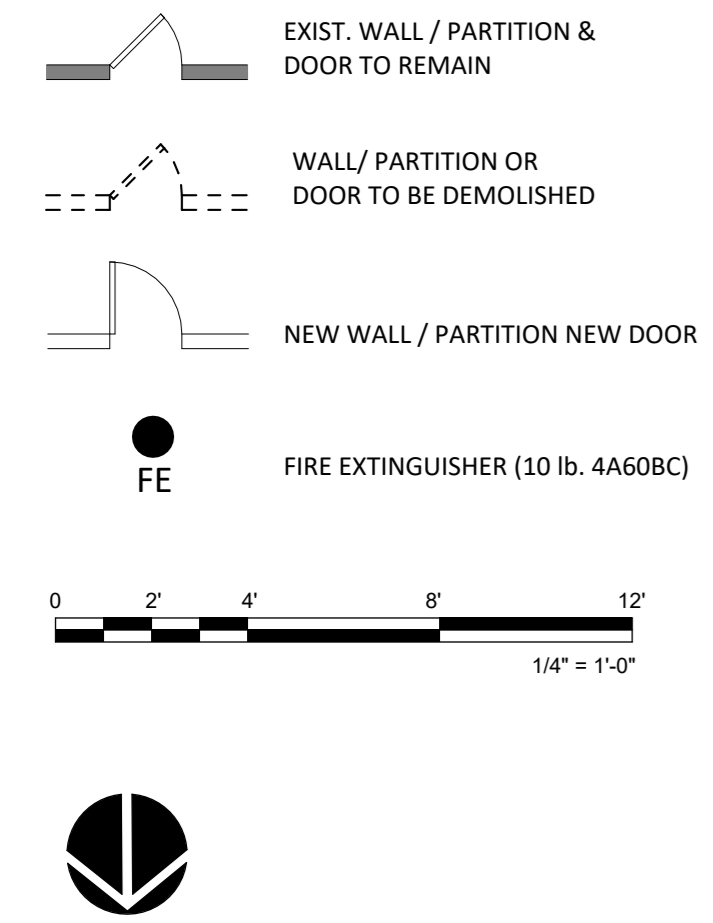
PERMIT/BID SET ISSUE 03.09.2026

REV.	ISSUE:	DATE

DRAWING STAMP

SHEET NUMBER
G000

PLAN LEGEND

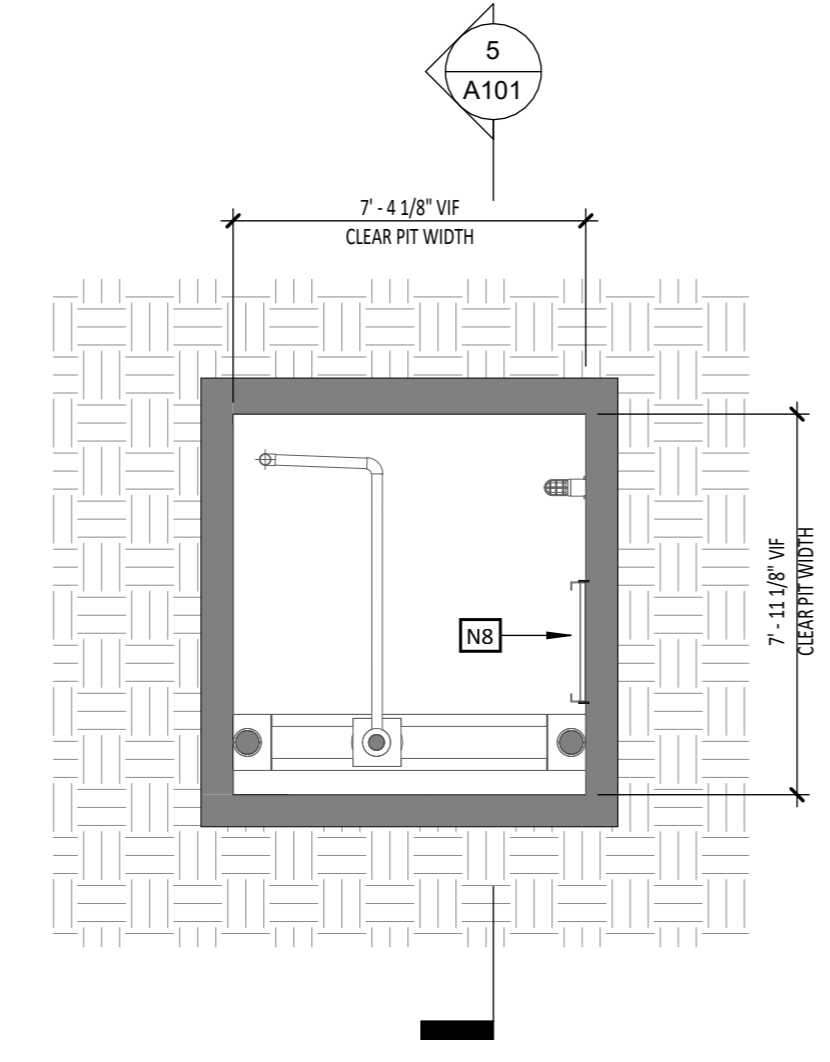
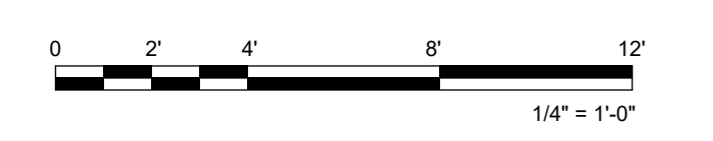


GENERAL NOTES:

1. PATCH AND REPAIR ANY DAMAGE TO ADJACENT SURFACES AND FINISHES TO PROVIDE A SEAMLESS APPEARANCE. PAINT WALLS TO MATCH EXISTING; REPLACE ANY DAMAGED FLOORING AND WALL BASE IN KIND TO MATCH EXIST.
2. REF TO MEP DRAWINGS FOR NEW ELEV MACHINE ROOM AND HVAC EQUIP LOCATIONS.
3. SEAL AROUND ALL OPENINGS IN FIRE RATED ASSEMBLIES WITH FIRE RATED SEALANT.
4. PATCH AND REPAIR ANY ABANDONED OPENINGS IN ELEVATOR HOISTWAYS AND MACHINE ROOMS WITH LIKE ASSEMBLIES TO MAINTAIN ALL EXIST FIRE RATINGS.

EXIST ELEVATOR DATA:

1. Capacity: 2000
2. Clear Platform: See 6/A101 (V.I.F)
3. Elevator motor : 25HP



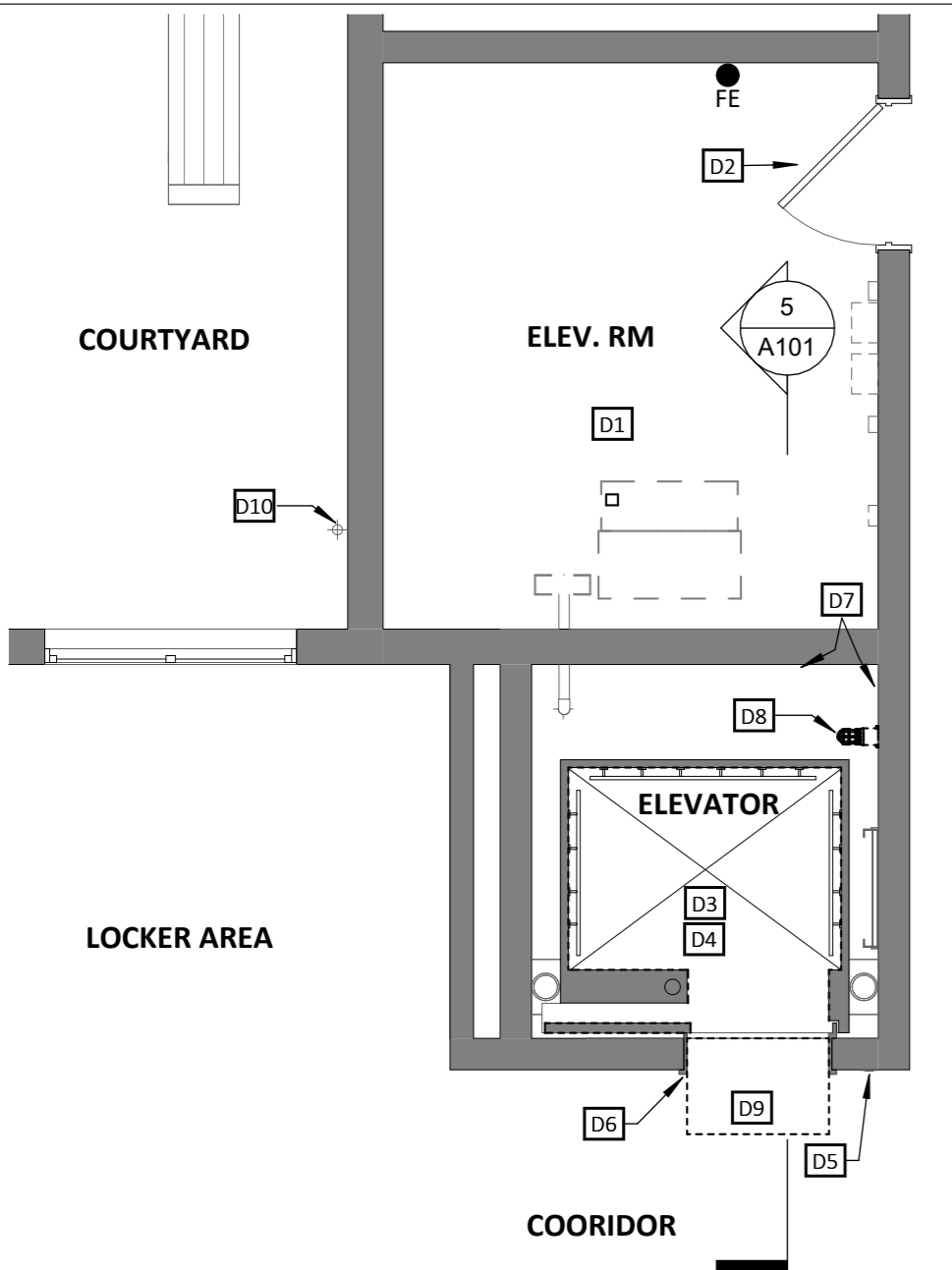
6 PROP PIT PLAN
A101 SCALE 1/4" = 1'-0"

DEMOLITION KEYED NOTES

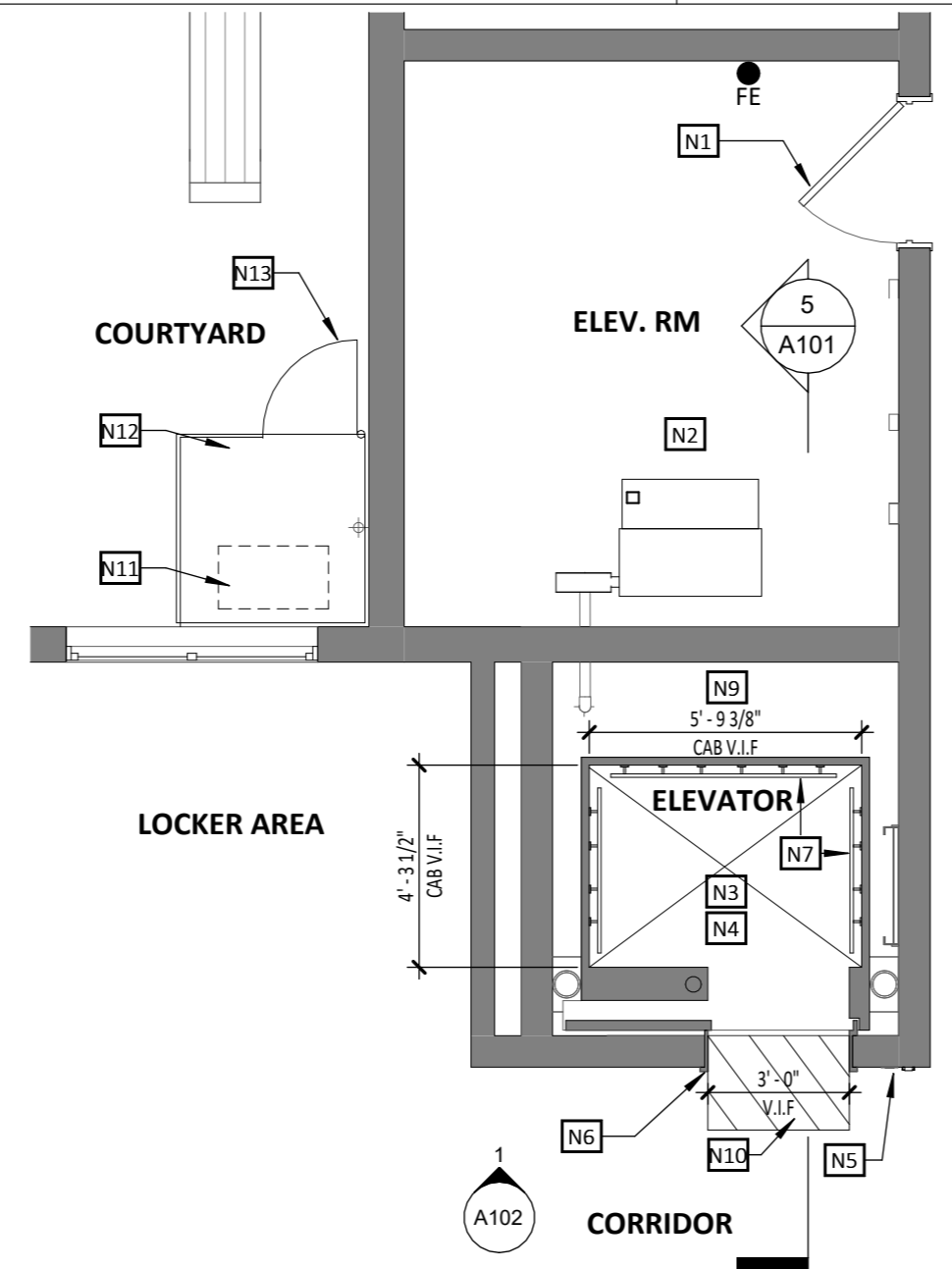
KEY #:	NOTE
D1	EXIST PUMP, CONTROLLERS AND PIPING, LIGHT FIXTURE; REF MEP DWGS.
D2	EXIST RATED DOOR TO REMAIN. CLEAN AND REPAIR ANY DAMAGE FOR A SEAMLESS FINISH.
D3	EXIST ELEVATOR EQUIPMENT TO REMAIN INCLUDES - JACKS, BUFFERS AND PIT CHANNELS, SLING AND PLATFORM, AND CAR SHELL.
D4	DEMO EXIST SLIDE GUIDES, CAB INTERIOR FINISHES, CAR AND HOISTWAY DOOR PANELS, CAR AND HOISTWAY DOOR EQUIPMENT, WIRING AND CONDUIT, AND CAR TOP FAN.
D5	DEMO ALL CALL BUTTONS, HALL LANTERNS, AND SIGNAGE. PATCH AND REPAIR WALL AND PREPARE FOR NEW FIXTURE INSTALLATIONS.
D6	EXIST DOOR FRAME TO REMAIN; PREPARE TO BE RECLAD WITH SS.
D7	ALL EXIST WALLS TO REMAIN.
D8	EXISTING ELEVATOR PIT LIGHT FIXTURE TO BE REMOVED AND REPLACED PER MEP DRAWINGS
D9	DEMO EXIST FLOOR FINISH TO 2 FT FROM ELEVATOR DOOR SILL, CLEAN FLOOR SLAB AND READY FOR NEW TILE FLOOR FINISH. TILE TO MATCH EXIST. GC TO PROVIDE SAMPLES FOR OWNER'S APPROVAL.
D10	EXIST ROOF DRAIN TO REMAIN
D11	REMOVE EXHAUST GRILLE/LOUVER AND ALL ASSOCIATED DUCTWORK BACK TO SOURCE.

PROPOSED KEYED NOTES

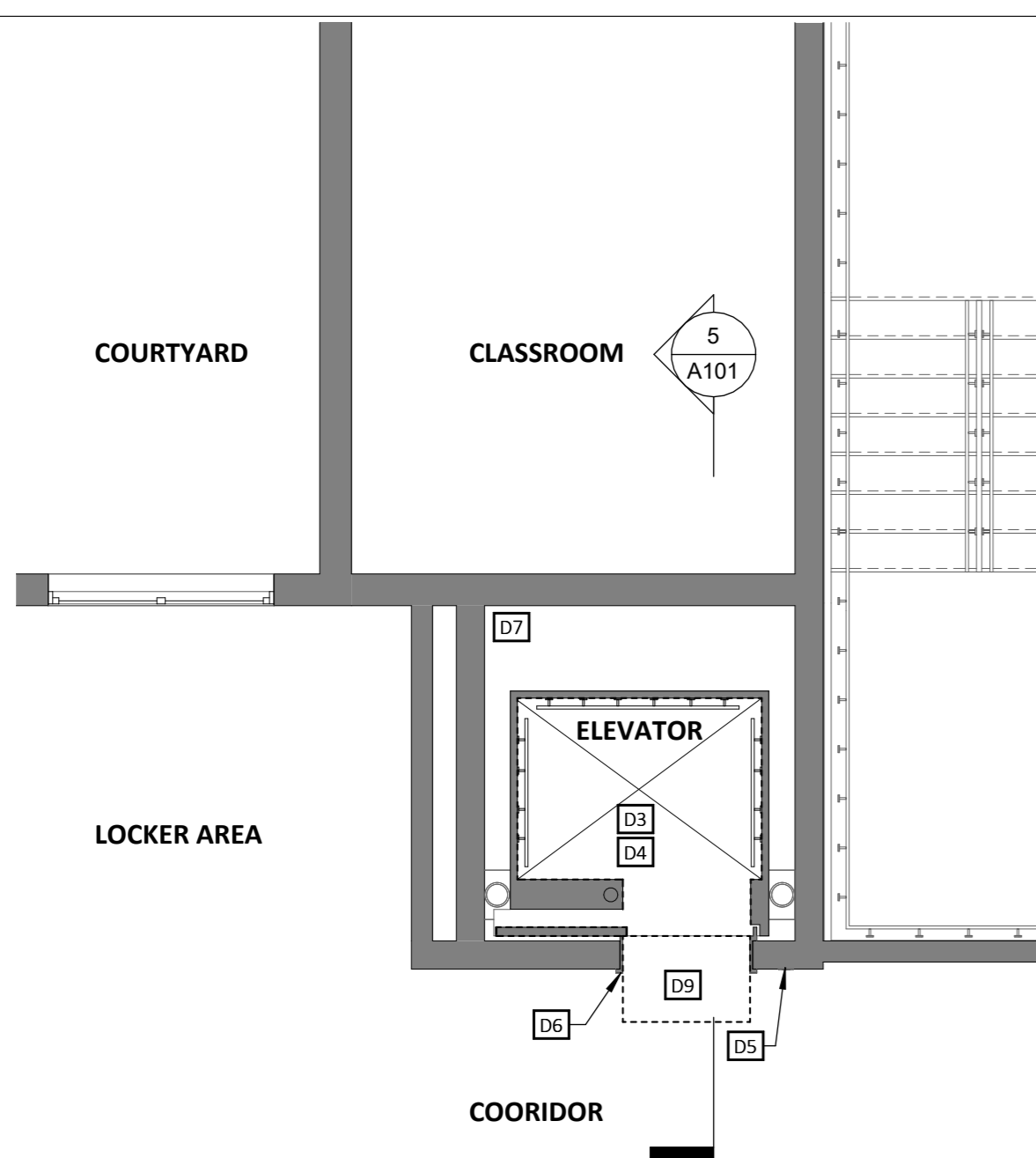
KEY #:	NOTE
N1	EXIST DOOR AND FRAME TO REMAIN. PROTECT DURING CONSTRUCTION.
N2	NEW ELEV EQUIPMENT(REFER TO ELEVATOR DRAWINGS), LIGHT FIXTURE; REF MEP DWGS.
N3	NEW ELEVATOR EQUIP TO INCLUDE: SLIDE GUIDES, CAB INTERIOR SS #4 WALL FINISH, RUBBER TILE FLOORING, CEILING, CAB RETURNS AND TRANSOM CLADDING, CAR AND HOISTWAY DOOR PANELS AND EQUIP, AND WIRING AND CONDUIT.
N4	CLEAN AND PAINT PLATFORM AND SLING.
N5	NEW CALL BUTTONS, CARD READER, HALL LANTERNS AND SIGNAGE TYPICAL AT ALL LANDINGS.
N6	NEW NEW SS #4 DOOR FRAME CLADDING AT ALL LANDINGS. CAULK AND SEAL JOINTS AT MATERIAL TRANSITIONS AT DOOR FRAMES.
N7	NEW SS #4 FLAT HANDRAILS, 3" H; TYP ALL SIDES W/O DOORS
N8	NEW PIT LADDER, BASIS OF DESIGN 6/A102
N9	CAULK AND SEAL THE EXISTING DRYWALL JOINTS, PAINT TO MATCH THE EXISTING COLOR.
N10	NEW FLOOR FINISH TO MATCH EXIST. GC TO PROVIDE SAMPLES FOR OWNER'S APPROVAL.
N11	NEW CONDENSING UNIT; REF MEP DWGS.
N12	NEW 4" THICK 48"x48" CONCRETE PAD
N13	NEW 4' HIGH PROTECTIVE FENCE WITH GATE PAINTED.
N14	REPAIR DAMAGED JOISTS PER STRUCT DWG.



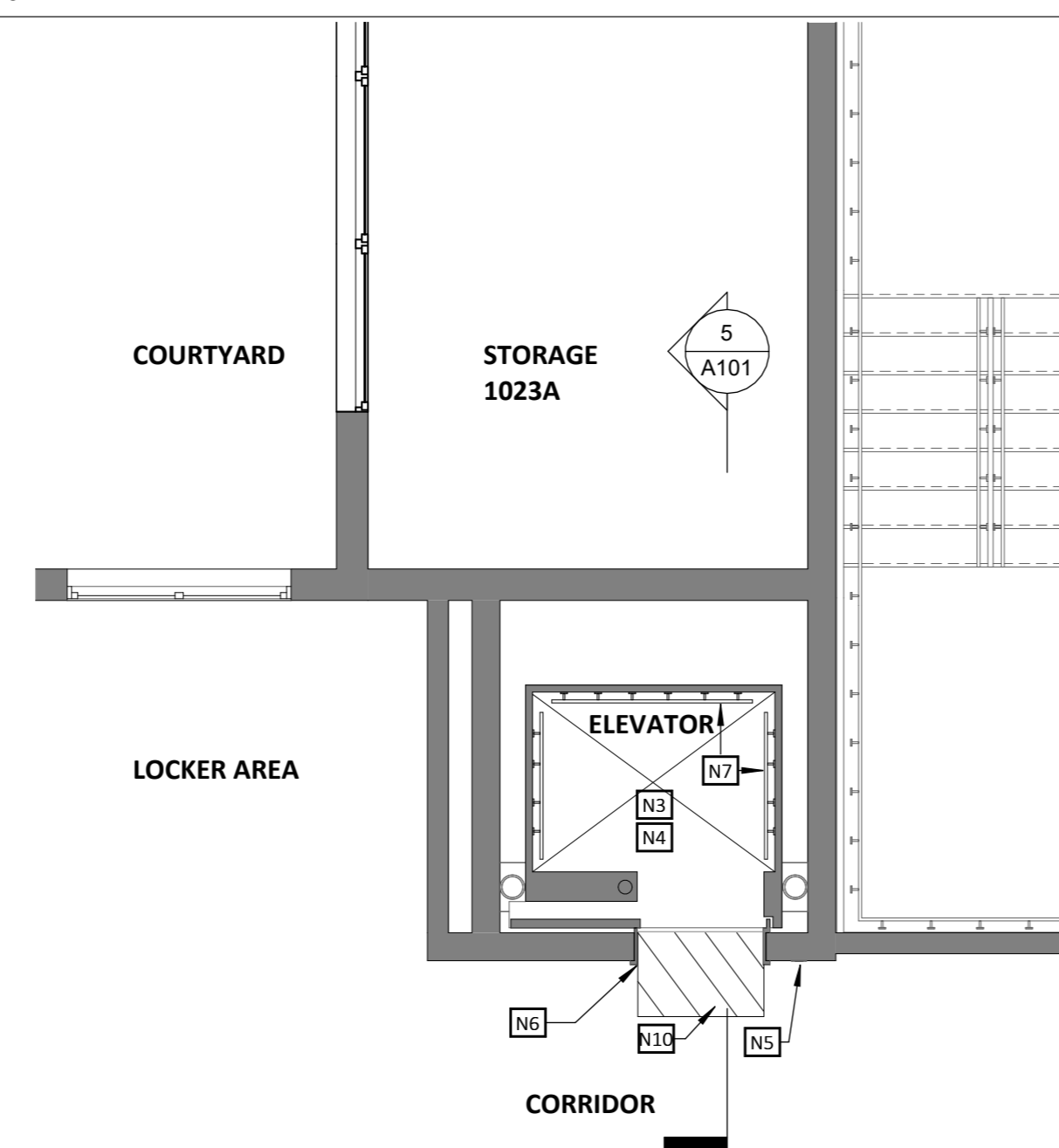
1 DEMO LOWER FLOOR PLAN
A101 SCALE 1/4" = 1'-0"



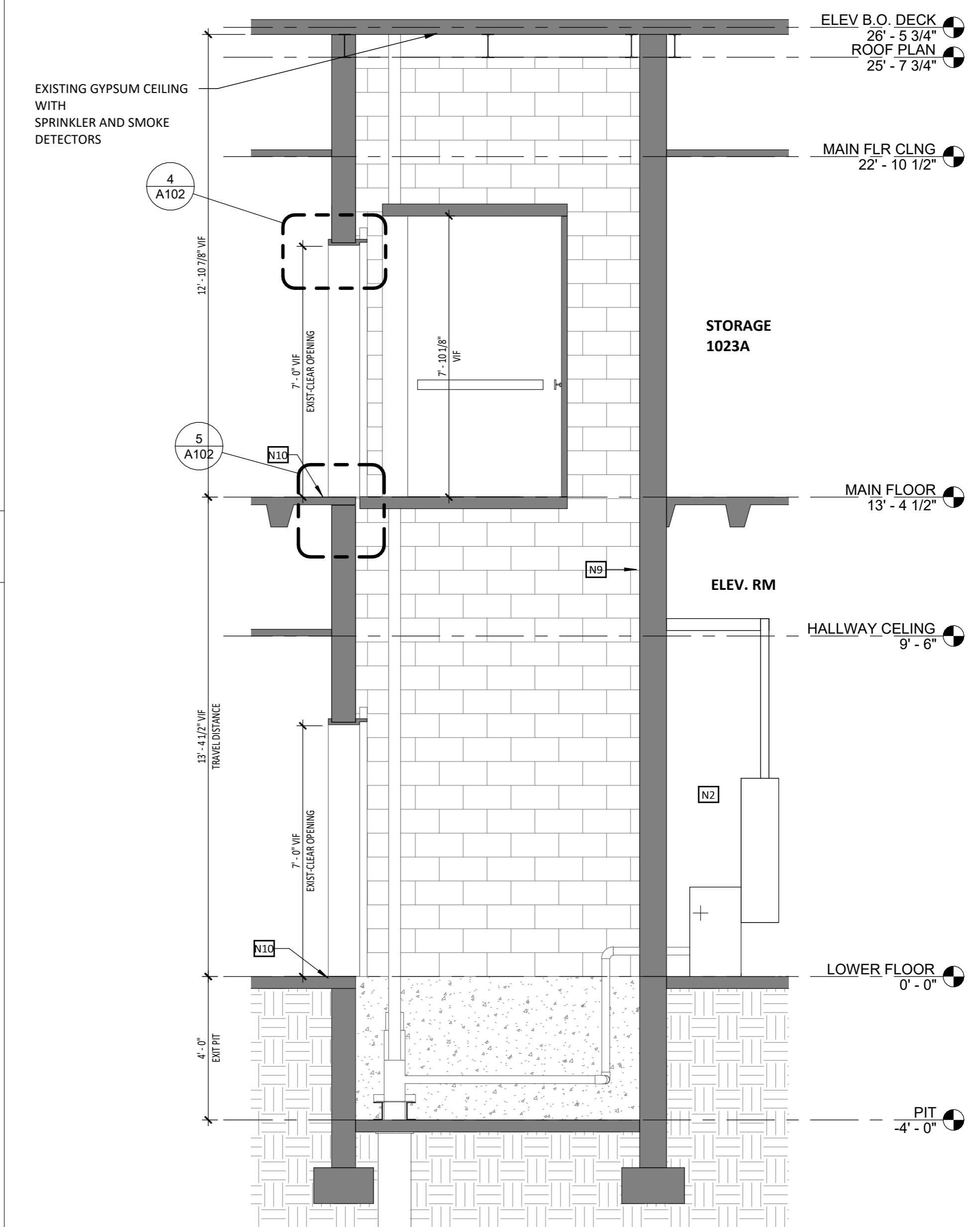
3 PROP LOWER FLOOR PLAN
A101 SCALE 1/4" = 1'-0"



2 DEMO MAIN FLOOR PLAN
A101 SCALE 1/4" = 1'-0"



4 PROP MAIN FLOOR PLAN
A101 SCALE 1/4" = 1'-0"



5 SECTION
A101 SCALE 3/8" = 1'-0"

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. GUDE DRIVE, 4TH FLOOR
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(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, 2026**

SHERWOOD HIGH SCHOOL ELEVATOR MODERNIZATION
300 ONLEY SANDY SPRING SANDY SPRING, MD 20860
DEMOLITION AND PROPOSED FLOOR PLANS

PROJECT NO:	25-082
DRAWN BY:	ZT
REVIEWED BY:	EMMAS

PROJECT ISSUE DATE: **03.09.2026**

REV.	ISSUE:	DATE

DRAWING STAMP

SHEET NUMBER
A101

T:\Shared drives\DCI\Projects\25000\25-082 Sherwood HS Elevator Replacement\DWG\25-0227 Sherwood HS Elevator.rvt

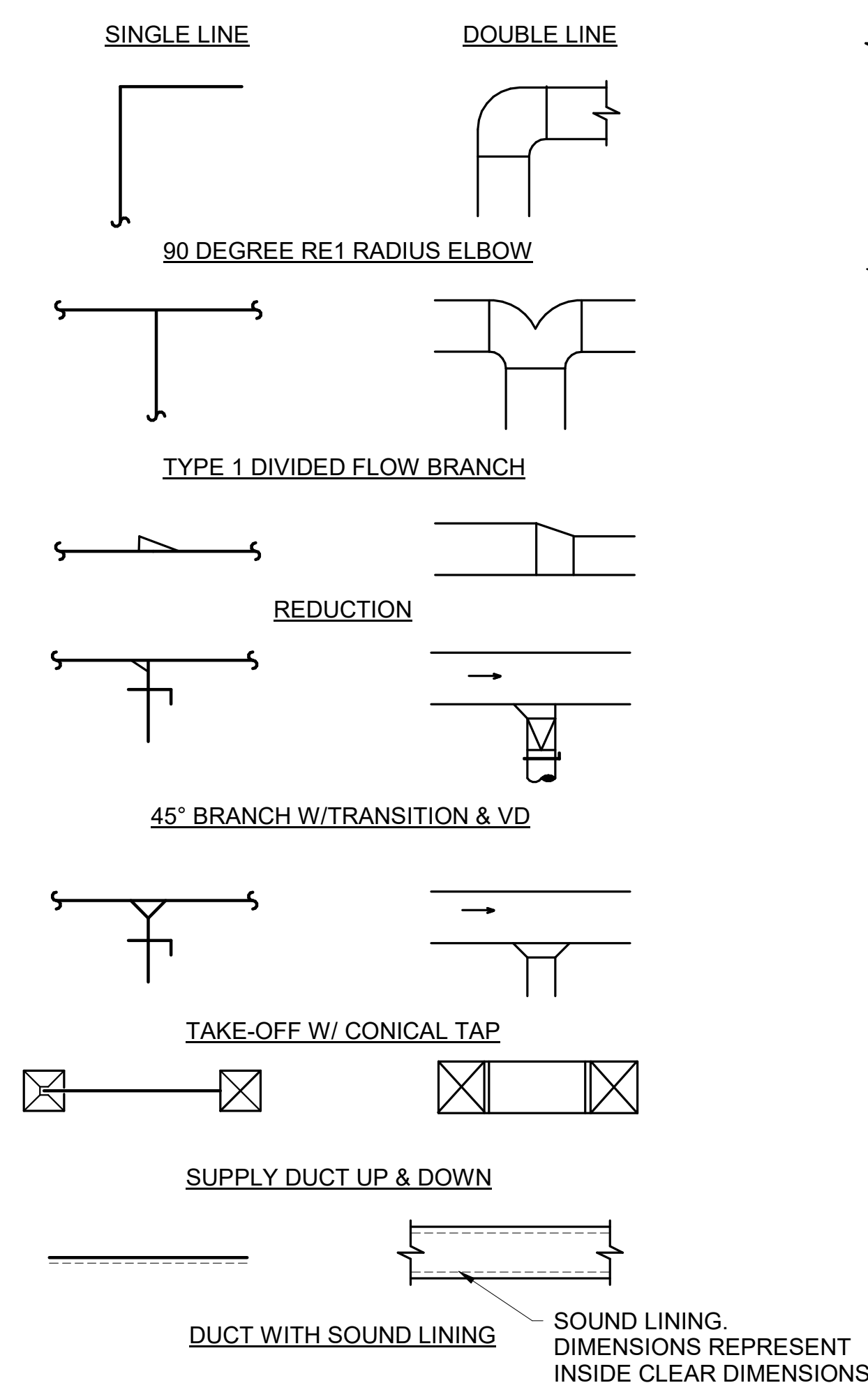
PROJECT NO.	25105
DRAWN BY	AG
REVIEWED BY	CA

PROJECT ISSUE DATE	MARCH 09, 2026
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REV.	ISSUE:	DATE

DRAWING STAMP

DUCT FITTING REPRESENTATION



HVAC SYMBOLS LIST

- NEW DUCTWORK
- NEW DUCTWORK SINGLE LINE REPRESENTATION
- CONDENSATE PIPE
- EXISTING WORK
- EXISTING WORK TO BE REMOVED
- EXISTING DUCTWORK TO BE REMOVED SINGLE LINE REPRESENTATION
- FLEXIBLE DUCTWORK
- SUPPLY DUCT GOING UP
- RETURN DUCT GOING UP
- SUPPLY DUCT GOING DOWN
- RETURN DUCT GOING DOWN
- CEILING DIFFUSER
- RETURN REGISTER
- EXHAUST REGISTER/GRILLE
- EXISTING DIFFUSER, REBALANCE FOR CFM SHOWN.
- EXISTING AIR DEVICE TO BE REMOVED.
- MANUAL VOLUME DAMPER
- POINT OF CONNECTION NEW TO EXISTING
- POINT OF DISCONNECTION FROM EXISTING

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
BS	BRANCH SELECTOR
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
CD	CEILING DIFFUSER
CR	CEILING REGISTER
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

SUBSCRIPTS ADJACENT TO SYMBOLS

- (E) EXISTING WORK
- (EXR) RELOCATED DEVICE
- EXR-150 RELOCATED DIFFUSER, REBALANCE FOR CFM'S SHOWN.
- (XR) EXISTING DEVICE TO BE REMOVED AND RELOCATED
- (X) REMOVE EXISTING DEVICE

MECHANICAL 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 TWO YEARS 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.
14. PROTECTION OF EXISTING WORK: EXISTING WORK TO REMAIN AND EXISTING WORK TO BE RELOCATED SHALL BE PROTECTED FROM DAMAGE. WORK DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER. COVER EQUIPMENT AS NECESSARY TO PROTECT IS FROM DUST AND DEBRIS. FLOORS TO REMAIN SHALL BE COVERED TO PROTECT THEM FROM DAMAGE. AT THE END OF EACH WORKING DAY AND DURING INCLEMENT WEATHER, CLOSE EXTERIOR OPENINGS WITH WEATHER PROOF COVERS.
 - A. CLEAN UP: REMOVE DEBRIS AND RUBBISH FROM THE SITE AT THE END OF EACH WORKING DAY.
 - B. 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.
15. PROVIDE PIPING IDENTIFICATION FOR PLUMBING PIPING AS MANUFACTURED BY BRADY B-500 PERMA CODE TAPE OR SETON SNAP AROUND. ALL PIPING LABELING (TEXT AND ARROWS) SHALL BE LEGIBLE FROM THE FLOOR LEVEL.
16. FIRE SUPPRESSION:
 - 16.1. DRAIN EXISTING FIRE SUPPRESSION SYSTEM AND RE-ARRANGE THE EXISTING PIPING AND HEADS AS REQUIRED INSTALL NEW PUMP. ALL WORK SHALL BE IN ACCORDANCE WITH NFPA-13, AND THE FIRE MARSHALL'S REQUIREMENTS. ALL EQUIPMENT SHALL BE UL AND FM APPROVED.
17. QUALITY ASSURANCE:
 - 17.1. MANUFACTURER'S QUALIFICATIONS: FIRMS REGULARLY ENGAGED IN THE MANUFACTURE OF MECHANICAL EQUIPMENT, OF TYPES AND CAPACITIES REQUIRED, WHOSE PRODUCTS HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR NOT LESS THAN 5 YEARS.
 - 17.2. INSTALLER'S QUALIFICATIONS: FIRMS WITH AT LEAST 5 YEARS OF SUCCESSFUL INSTALLATION EXPERIENCE WITH PROJECTS UTILIZING MECHANICAL SYSTEMS SIMILAR TO THOSE REQUIRED FOR THIS PROJECT.
 - 17.3. ANY EQUIPMENT WHICH CONTAINS MECHANICAL/ELECTRICAL/ELECTRONIC COMPONENTS SHALL BE INSTALLED AND ADJUSTED BY FACTORY CERTIFIED PERSONNEL.
 - 17.4. ANY ADJUSTMENTS TO EQUIPMENT SHALL BE PERFORMED BY FACTORY AUTHORIZED, FACTORY CERTIFIED TECHNICIANS.
 - 17.4.1. THE CONTRACTOR SHALL REPLACE AT NO COST TO THE OWNER, ANY WARRANTY WHICH IS VOIDED BY THE MANUFACTURER DUE TO THE USE OF UNQUALIFIED PERSONNEL.
 - 17.5. AFTER INSTALLATION, EQUIPMENT SHALL BE TESTED AND ADJUSTED IN STRICT CONFORMANCE WITH THE MANUFACTURER'S WRITTEN RECOMMENDATIONS/INSTRUCTIONS.

GENERAL NOTES: DEMOLITION

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

REFERENCE NOTES: DEMOLITION #

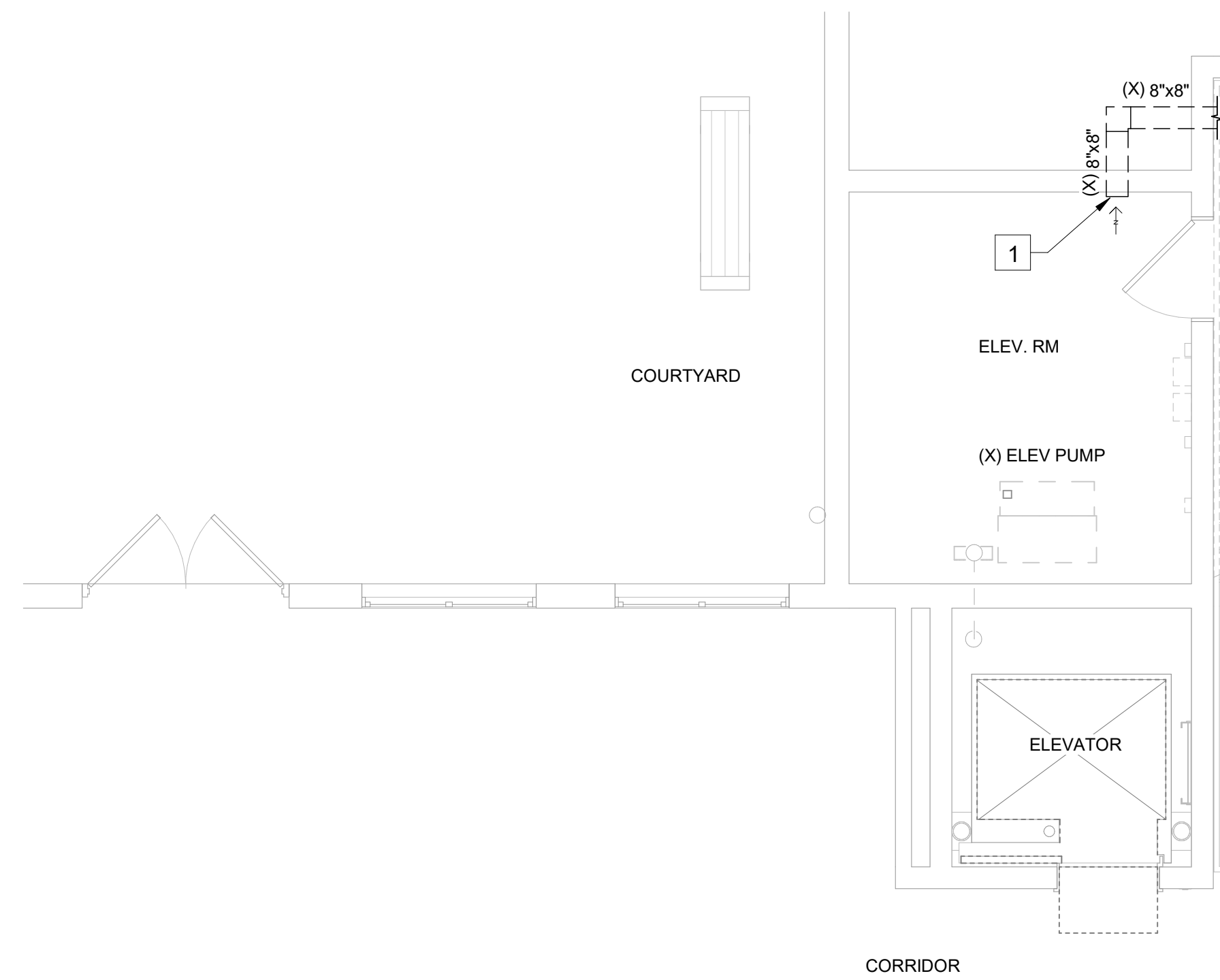
1. REMOVE EXHAUST GRILLE/LOUVER AND ALL ASSOCIATED DUCTWORK BACK TO SOURCE AND CAP.

GENERAL NOTES: NEW WORK

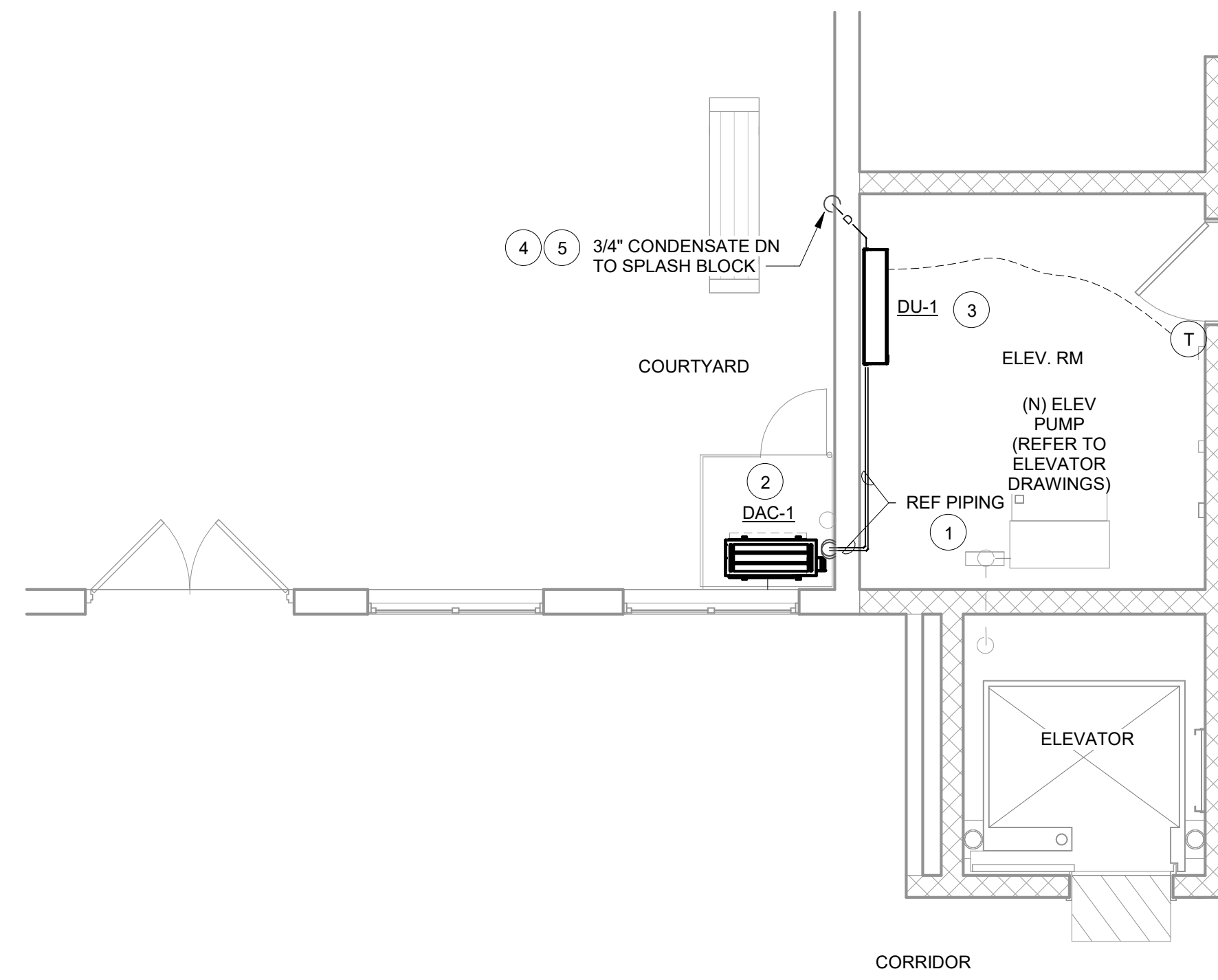
1. ALL WORK SHOWN ON THIS PLAN IS NEW UNLESS OTHERWISE INDICATED AS EXISTING.

REFERENCE NOTES: NEW WORK #

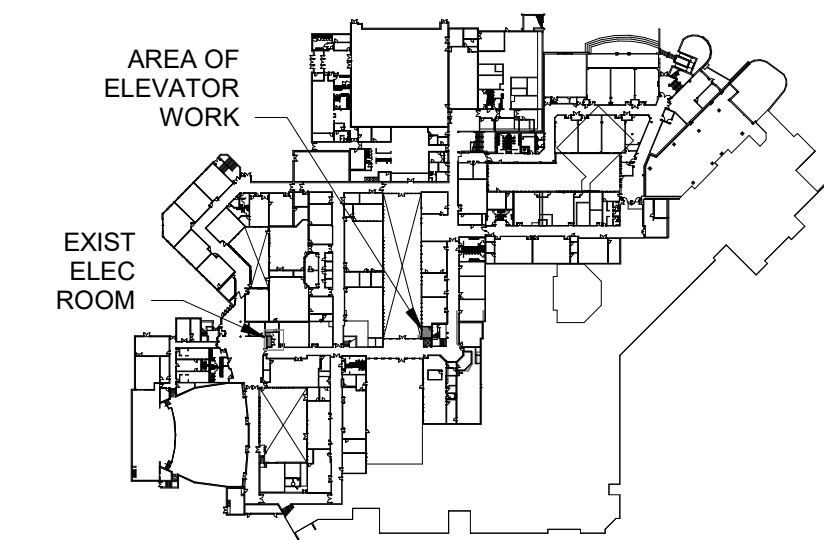
1. INSTALL NEW REFRIGERANT PIPES AS REQUIRED TO CONNECT OUTDOOR UNIT. FIELD COORDINATE EXACT ROUTING.
2. OUTDOOR UNIT ON COURTYARD MOUNTED ON EXTERIOR WALL BELOW EXISTING WINDOW. REFER TO MOUNTING DETAIL ON SHEET M200.
3. MOUNT INDOOR UNIT 8' AFF.
4. EXTEND 3/4" CONDENSATE DRAIN PIPE @ 2%. FIELD COORDINATE EXACT ROUTING.
5. 3/4" PIPE DOWN TO CONCRETE SPLASH BLOCK.



1 LOWER FLOOR PLAN - MECHANICAL DEMO
1/4" = 1'-0"



2 LOWER FLOOR PLAN - MECHANICAL NEW WORK
1/4" = 1'-0"



LOWER LEVEL KEY PLAN

SHERWOOD HIGH SCHOOL ELEVATOR MODERNIZATION
MECHANICAL DEMOLITION & NEW WORK

300 OLNEY SANDY SPRING
SANDY SPRING, MD 20860

PROJECT NO.	25105
DRAWN BY	AG
REVIEWED BY	CA

PROJECT ISSUE DATE	MARCH 09, 2026
PERMIT/BID SET	

REV.	ISSUE:	DATE

DRAWING STAMP

SHEET NUMBER

M100

SPECIFICATIONS

GENERAL

- THE SCOPE OF WORK CONSISTS OF THE DEMOLITION, FURNISHING AND INSTALLATION OF ELECTRICAL AS INDICATED ON THE DRAWINGS AND SPECIFIED HEREIN. THIS CONTRACTOR SHALL PROVIDE ALL SUPERVISION, LABOR, MATERIALS, EQUIPMENT, MACHINERY, AND ALL OTHER ITEMS NECESSARY TO COMPLETE THE SYSTEM. THIS CONTRACTOR SHALL PROVIDE AND INSTALL ALL EQUIPMENT AS INDICATED ON THE DRAWINGS AND/OR AS REQUIRED FOR A FUNCTIONING ELECTRICAL SYSTEM.
- ANY DISCREPANCIES ON THE PLANS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION, IN WRITING, BEFORE SUBMITTING THE BID.
- ELECTRICAL PLANS ARE DIAGRAMMATIC. ALL WIRING AND RACEWAYS SHALL BE INSTALLED CONCEALED ABOVE CEILINGS AND INSIDE WALLS.
- THE FOLLOWING TERMINOLOGY AND MEANINGS WILL BE USED IN THESE SPECIFICATIONS:
 - PANELBOARDS "EQUIPPED SPACE" OR "SPACE": INCLUDE ALL NECESSARY BUS, DEVICE SUPPORTS AND CONNECTIONS FOR INSERTION OF A FUTURE DEVICE.
 - "PROVIDE": FURNISH AND INSTALL.
 - "THIS CONTRACTOR": THE ELECTRICAL CONTRACTOR.
- THIS CONTRACTOR SHALL EXAMINE THE DRAWINGS, SPECIFICATIONS AND VISIT THE JOB SITE AND FULLY INFORM HIMSELF OF ALL EXISTING CONDITIONS AND WORK REQUIRED BY THE DRAWINGS AND SPECIFICATIONS BEFORE SUBMITTING HIS BID. WAIVER OF RESPONSIBILITY OR REQUEST FOR ADDITIONAL PAYMENT BASED ON LACK OF KNOWLEDGE OF CONDITIONS AT THE JOB SITE WILL NOT BE CONSIDERED. ANY DIFFICULTIES IN COMPLYING WITH THE DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER, IN WRITING, BEFORE SUBMITTING THE BID.
- THE ENTIRE ELECTRICAL INSTALLATION SHALL CONFORM TO THE APPLICABLE EDITIONS OF THE NATIONAL ELECTRICAL CODE, NFPA 70, LOCAL JURISDICTION REQUIREMENTS AND LOCAL STATE CODE REQUIREMENTS.
- THIS CONTRACTOR SHALL ORDER AND OBTAIN ALL NECESSARY ELECTRICAL TESTS, PERMITS AND CERTIFICATES OF APPROVAL AND PAY ANY REQUIRED FEES FOR SAME.
- THIS CONTRACTOR SHALL VERIFY AVAILABLE VOLTAGE PRIOR TO ORDERING ANY EQUIPMENT OR FIXTURES. ANY EQUIPMENT OR FIXTURES SHALL BE COMPATIBLE WITH AVAILABLE VOLTAGE.
- SHOP DRAWINGS FOR ALL ELECTRICAL EQUIPMENT, FIXTURES, DEVICES AND MATERIALS SHALL BE SUBMITTED TO THE PROJECT MANAGER FOR APPROVAL BEFORE DELIVERY TO THE JOB SITE. EQUIPMENT, FIXTURES, AND MATERIAL DELIVERED TO THE JOB SITE OR INSTALLED PRIOR TO APPROVAL OF THE SHOP DRAWINGS AND FOR WHICH THE SHOP DRAWINGS ARE SUBSEQUENTLY REJECTED, SHALL BE REPLACED WITH AN APPROVED ITEM AT NO ADDITIONAL COST TO THE OWNER. PROVIDE 6 COPIES FOR THE FOLLOWING ITEMS:
 - LIGHTING FIXTURES AND SWITCHES
 - RECEPTACLES
 - FIRE ALARM DEVICES AND SHOP DRAWINGS
- UNLESS OTHERWISE NOTED, ALL EQUIPMENT, CIRCUITRY, DEVICES, MATERIALS ETC. SHALL BE NEW AND SHALL BE INSTALLED IN STRICT CONFORMANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
- ALL ELECTRICAL EQUIPMENT AND MATERIALS SHALL BEAR THE UNDERWRITER'S LABORATORIES LABEL.
- ALL EQUIPMENT SUCH AS PANELBOARDS, TRANSFORMERS, STARTERS AND DISCONNECT SWITCHES SHALL BE AS MANUFACTURED BY EATON/CUTLER-HAMMER, GENERAL ELECTRIC, SQUARE-D, OR SIEMENS.
- 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.
- ALL PENETRATIONS OF FLOOR AND WALLS SHALL BE SEALED WITH UL LISTED PUTTY TYPE SEALING COMPOUND IN ACCORDANCE WITH BOCA, NEC AND NFPA.
- ALL WORK SHALL BE PERFORMED DURING NORMAL WORKING HOURS, MONDAY THROUGH FRIDAY (7 AM TO 5 PM). IF WORK CANNOT BE PERFORMED DURING NORMAL WORKING HOURS THE OWNER SHALL BE NOTIFIED PRIOR TO THE SIGNING OF THE CONTRACT.
- THIS CONTRACTOR SHALL COORDINATE ALL HIS WORK WITH THE GENERAL CONTRACTOR OR THE OWNER'S REPRESENTATIVE PRIOR TO PERFORMING THE WORK AND FOR DISCONNECTION AND RECONNECTION OF ANY UTILITIES THAT MAY HAVE TO BE DISCONNECTED FOR THE COMPLETION OF THE PROJECT. ADVANCE NOTICE SHALL BE GIVEN TO THE OWNER BEFORE COMMENCEMENT OF WORK, WHETHER OR NOT AN OUTAGE IS REQUIRED.
- 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.
 - CONSULT ARCHITECTURAL PLANS AND DETAILS FOR CONSTRUCTION TYPE, HEADROOM, ROOM FINISHES, TYPE OF CEILING, FLOORS ETC.
- ALL HVAC/PLUMBING EQUIPMENT INDICATED ON THE DRAWINGS SHALL BE CONNECTED UNDER THIS CONTRACT. ELECTRICAL EQUIPMENT REQUIREMENTS INDICATED ON DRAWINGS MAY DIFFER FROM ACTUAL EQUIPMENT FURNISHED. THIS CONTRACTOR SHALL COORDINATE ALL SUCH EQUIPMENT POWER REQUIREMENTS AND LOCATIONS WITH THE HVAC/PLUMBING CONTRACTORS PRIOR TO ROUGHING IN ANY DISCONNECT SWITCHES, WIRING, FEEDERS, BREAKERS, ETC. NECESSARY FOR EQUIPMENT INSTALLATION.
- THIS CONTRACTOR SHALL COORDINATE ALL MOUNTING HEIGHTS FOR SWITCHES, RECEPTACLES, CEILING MOUNTED LIGHTING FIXTURES AND TELEPHONE OUTLETS BY THE USE OF THE ARCHITECTURAL REFLECTED CEILING PLANS AND ELEVATIONS. SHOULD ANY CONFLICTS BECOME APPARENT, THIS CONTRACTOR SHALL REQUEST CLARIFICATION PRIOR TO INSTALLATION. IF THE WORK IS NOT COORDINATED ANY REMEDIAL WORK SHALL BE REDONE AT NO ADDITIONAL COST TO THE OWNER.
- FINAL TESTING: AT THE TIME OF FINAL INSPECTION AND TEST, ALL CONNECTIONS AT PANELBOARDS, DEVICES AND EQUIPMENT, AND ALL SPLICES MUST BE COMPLETED. EACH BRANCH CIRCUIT AND ITS RESPECTIVE CONNECTED EQUIPMENT MUST TEST FREE OF SHORT CIRCUITS. UPON COMPLETION OF THE WORK, CLEAN AND POLISH ALL EXPOSED SURFACES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- THIS CONTRACTOR SHALL GUARANTEE THE ENTIRE INSTALLATION TO BE FREE FROM DEFECTS FOR TWO YEARS 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.
- THIS CONTRACTOR SHALL MAINTAIN ACCURATE RECORD DRAWINGS OF ALL WORK AS ACTUALLY INSTALLED. ON COMPLETION OF THE PROJECT THE FOLLOWING MATERIAL SHALL BE DELIVERED TO THE OWNER:
 - TWO (2) COMPLETE SETS OF REPRODUCIBLE DRAWINGS SHALL BE DELIVERED TO THE OWNER AND ONE (1) SET OF DRAWING TO THE A/E FIRM.
 - ALL NEW INSTALLED EQUIPMENT MANUFACTURER'S DATA AND WARRANTY LITERATURE.

DEMOLITION

- GENERAL: DIVISION 1 OF THE ARCHITECTURAL SPECIFICATIONS SHALL GOVERN THE SEQUENCE OF CONSTRUCTION.
- PROCEDURES: THE PROCEDURES PROPOSED FOR THE ACCOMPLISHMENT OF SALVAGE AND DEMOLITION WORK SHALL BE SUBMITTED FOR APPROVAL. THE PROCEDURES SHALL PROVIDE FOR SAFE CONDUCT OF THE WORK, CAREFUL REMOVAL AND DISPOSITION OF MATERIALS SPECIFIED TO BE SALVAGED, PROTECTION OF PROPERTY WHICH IS TO REMAIN UNDISTURBED, COORDINATION WITH OTHER WORK IN PROGRESS, AND TIMELY DISCONNECTION OF UTILITY SERVICES, FIRE ALARM SYSTEMS, ELEVATORS, ETC. THE PROCEDURES SHALL INCLUDE A DETAILED DESCRIPTION OF THE METHODS AND EQUIPMENT TO BE USED FOR EACH OPERATION AND THE SEQUENCE OF OPERATION.
- PROTECTION OF EXISTING WORK: EXISTING WORK TO REMAIN AND EXISTING WORK TO BE RELOCATED SHALL BE PROTECTED FROM DAMAGE. WORK DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER. COVER EQUIPMENT AS NECESSARY TO PROTECT IT FROM DUST AND DEBRIS. FLOORS TO REMAIN SHALL BE COVERED TO PROTECT THEM FROM DAMAGE. AT THE END OF EACH WORKING DAY AND DURING INCLEMENT WEATHER, CLOSE EXTERIOR OPENINGS WITH WEATHER-PROOF COVERS.

- TITLE TO EQUIPMENT TO BE RELOCATED IS VESTED IN THE OWNER UPON RECEIPT OF NOTICE TO PROCEED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONDITION, LOSS OR DAMAGE TO SUCH PROPERTY AFTER NOTICE TO PROCEED. EQUIPMENT REMOVED SHALL BE TURNED OVER TO THE OWNER AT A DESIGNATED POINT WITHIN THE PREMISES.
- AFTER REMOVAL OF ALL DEVICES THIS CONTRACTOR SHALL TURN ALL DEVICES OVER TO OWNER'S REPRESENTATIVE FOR HIM TO INSPECT. AFTER INSPECTED BY THE OWNER'S REPRESENTATIVE THIS CONTRACTOR SHALL REMOVE ALL UNNECESSARY DEVICES OR MATERIALS FROM THE SITE.
- DISPOSITIONS OF MATERIALS: DISPOSE OF EQUIPMENT AND MATERIALS TO BE DEMOLISHED IN A SAFE MANNER AND IN ACCORDANCE WITH ALL LOCAL CODES AND REGULATIONS.
- THIS CONTRACTOR SHALL CLEAN THE PROJECT SITE AND REMOVE DEBRIS AND RUBBISH AT THE END OF EACH WORKING DAY.
- 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.
- PROVIDE BLANK COVER PLATES ON ALL EXISTING OUTLETS NOT REUSED. COVER PLATES TO MATCH PROJECT SPECIFICATIONS.
- PRIOR TO STARTING THE WORK, THIS CONTRACTOR SHALL PERFORM A CIRCUIT TRACING TO TEST THE EXISTING WORK TO REMAIN (OUTLETS, LIGHTING, LIGHT SWITCHES WIRING ETC.) FOR PROPER VOLTAGE, OPERATION AND BRANCH CIRCUIT ORIGIN. A WRITTEN REPORT SHALL BE PREPARED INDICATING ANY DEFICIENCIES AND RECOMMENDED REPAIRS. SUBMIT FOUR (4) COPIES OF THIS REPORT TO THE ARCHITECT/OWNER FOR REVIEW. NO ADDITIONAL CHARGES WILL BE CONSIDERED AFTER COMPLETION OF THE WORK, TO REPAIR/CONNECT EXISTING OUTLETS UNLESS THESE WERE DESCRIBED IN THE REPORT ABOVE. ANY EXISTING DEVICES DISCONNECTED DURING CONSTRUCTION SHALL BE RE-CONNECTED AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTINUITY OF ALL EXISTING CIRCUITS WHICH ARE TO REMAIN OPERATIONAL SHALL BE MAINTAINED THROUGHOUT THE FACILITY. THIS CONTRACTOR SHALL IDENTIFY ALL CIRCUITS THAT SUPPLY POWER TO AREAS TO REMAIN. LABEL THESE CIRCUITS AND MAKE SURE THEIR POWER IS NOT INTERRUPTED DURING DEMOLITION AND CONSTRUCTION. ALL EXISTING CIRCUITS TO REMAIN SHALL BE RECONNECTED TO NEW OR EXISTING PANELS.
- EXISTING FIRE ALARM AND FIRE PROTECTION SYSTEMS SHALL BE MAINTAINED IN SERVICE DURING DEMOLITION AND NEW CONSTRUCTION.
- THIS CONTRACTOR SHALL RESTORE ALL AREAS, SYSTEMS AND ASSOCIATED DEVICES, COMPONENTS, ETC., DISTURBED BY HIS WORK TO THE SATISFACTION OF THE OWNER, ARCHITECTS, AND ENGINEER.

LABELING

- PROVIDE LABELING FOR ALL FEEDER RACEWAYS, ELECTRICAL PANELS, AND ALL MAJOR PIECES OF EQUIPMENT AS FOLLOWS:
 - ALL RECEPTACLE PLATE COVERS SHALL BE LABELED WITH PANEL DESIGNATION AND CIRCUIT NUMBER.
 - ALL FEEDER RACEWAYS SHALL BE LABELED AS TO ITEM SERVED WITH MINIMUM 1/4" HIGH LETTERS.
 - ALL JUNCTION BOXES FOR BRANCH CIRCUITRY SHALL BE LABELED WITH PANEL DESIGNATION AND CIRCUIT NUMBERS WITH MINIMUM 1/4" HIGH LETTERS.
 - ALL STARTERS AND DISCONNECTS SHALL BE LABELED WITH 1/4" ENGRAVED WHITE LETTERS BLACK LAMACOID BACKGROUND NAME PLATES. NAME PLATE SHALL BE LABELED "F - NO." OR "AHU - NO." ETC.

SWITCHES, RECEPTACLES & OUTLETS

- PRIOR TO INSTALLATION OF ANY TELEPHONE, DATA AND RECEPTACLE OUTLETS, THIS CONTRACTOR SHALL VERIFY ITS FINAL LOCATION WITH THE ARCHITECTURAL PLANS.
- WHERE TWO OR MORE DEVICES OF THE SAME VOLTAGE ARE SHOWN TOGETHER ON THE PLANS, A GANGED PLATE SHALL BE USED. DEVICES OF DIFFERENT VOLTAGES SHALL BE SEPARATED HORIZONTALLY BY 6" AND SHALL BE HORIZONTALLY OR VERTICALLY ALIGNED.
- ALL RECEPTACLES, TELEPHONE, AND DATA OUTLETS SHOWN ON A WALL BACK TO BACK SHALL BE OFFSET A MINIMUM OF 6" HORIZONTALLY.
- WALL PLATES SHALL BE STAINLESS STEEL. FINISH AS SELECTED BY THE ARCHITECT.
- COORDINATE LIGHT SWITCHES SHOWN ON DRAWINGS WITH DOOR SWINGS. LOCATE LIGHT SWITCH ON LOCK SIDE OF DOOR.

LIGHTING FIXTURES

- THIS CONTRACTOR SHALL VERIFY THAT ALL DOOR SWINGS, FURNITURE AND EQUIPMENT ARE CORRECT BEFORE INSTALLING LIGHT SWITCHES AND OUTLETS.
- THIS CONTRACTOR SHALL VERIFY AVAILABLE VOLTAGE PRIOR TO ORDERING ANY FIXTURES. ALL FIXTURES SHALL BE COMPATIBLE WITH AVAILABLE VOLTAGE.
- COORDINATE RECESSED LIGHTING FIXTURES WITH SPRINKLERS, MECHANICAL EQUIPMENT AND ARCHITECTURAL CEILING PLAN. GRID LAYOUT ON PLANS IS APPROXIMATE. ADJUST AND COORDINATE LIGHTING FIXTURES IN FIELD PER ARCHITECT'S REFLECTED CEILING PLAN.
- THIS CONTRACTOR SHALL VERIFY THE TYPE OF CEILING TO INSURE THAT ALL LIGHTING FIXTURES ARE SUITABLE WITH CEILING FINISH.
- BALLAST FOR LIGHTING FIXTURES SHALL OPERATE THE SPECIFIED LAMPS. ELECTRONIC BALLAST SHALL HAVE A POWER FACTOR GREATER THAN 0.95, LESS THAN 10% HARMONIC DISTORTION, AND 32 WATTS PER LAMP OR LESS INPUT POWER.
- PROVIDE FINISHED FRAMES FOR ALL RECESSED LIGHTING FIXTURES. TYPE TO BE COMPATIBLE WITH CEILING. COORDINATE ALL FIXTURE TYPES WITH CEILING SYSTEM BEFORE ORDERING FIXTURES. PROVIDE ALL MOUNTING ATTACHMENTS FOR A COMPLETE INSTALLATION. LIGHTING FIXTURES SHALL BE SUPPORTED FROM BUILDING STRUCTURE. LIGHTING FIXTURES SUPPORTED FROM CEILING SYSTEM OR MECHANICAL EQUIPMENT WILL NOT BE ACCEPTED.
- ALL NEW LIGHTING FIXTURES SHALL BE INSTALLED COMPLETE WITH LAMPS. SEE PLANS FOR SPECIFIC REQUIREMENTS.
- COLORS AND FINISHES OF LIGHTING FIXTURES SHALL BE AS SELECTED BY THE ARCHITECT.
- DIMMING BALLAST FURNISHED WITH LIGHTING FIXTURES SHALL FULLY COMPATIBLE WITH THE DIMMING SYSTEM. IT IS THIS CONTRACTOR'S RESPONSIBILITY TO OBTAIN WIRING DIAGRAMS FOR THE DIMMING SYSTEM PRIOR TO LIGHTING FIXTURE INSTALLATION

STARTERS AND DISCONNECT SWITCHES

- THIS CONTRACTOR SHALL NOTE U.L. LABELS ON PACKAGED TYPE MECHANICAL EQUIPMENT. IF U.L. LABEL ON MECHANICAL EQUIPMENT TO BE INSTALLED CALLS FOR THE OVERCURRENT PROTECTIVE DEVICE TO BE FUSED, THIS CONTRACTOR SHALL PROVIDE A FUSED DISCONNECT SWITCH WITH PROPER SIZE FUSES AT THE SWITCH LOCATION INDICATED ON DRAWINGS.
- DISCONNECT SWITCHES INDICATED SHALL BE HEAVY-DUTY TYPE, HORSEPOWER RATED, QUICK-MAKE, QUICK-BREAK TYPE SWITCHES WITH SPRING REINFORCED WIRE GRIPS AND SELF-ALIGNING SWITCH CONTACTS AND SHALL BE ENCLOSED IN NEMA-1 UNLESS OTHERWISE NOTED. ENCLOSURE SHALL BE HEAVY METAL WITH HINGED INTERLOCKING COVER WHICH PREVENTS BEING OPEN IN "ON" POSITION.

BRANCH CIRCUITRY

- ALUMINUM WIRING WILL NOT BE PERMITTED.
- ALL WIRING SHALL BE #212-#12G IN 3/4" CONDUIT UNLESS NOTED OTHERWISE.
- ALL CIRCUITRY ROUTING SHOWN IS DIAGRAMMATIC. THIS CONTRACTOR SHALL DETERMINE IN FIELD THE MOST SUITABLE ROUTES.
- MINIMUM SIZE EMT OR CONDUIT SHALL BE 3/4".
- NO NONMETALLIC CONDUIT SHALL BE USED FOR BRANCH CIRCUIT WORK ABOVE GRADE.
- CIRCUITRY SHALL BE INSTALLED CONCEALED IN FINISHED AREAS, EXPOSED IN UNFINISHED AREA.

- CIRCUITRY SHALL BE INSTALLED TIGHT TO THE UNDERSIDE OF THE FLOOR SLAB ABOVE IN A NEAT WORKMANLIKE MANNER. ALL INSTALLATION SHALL BE PARALLEL OR PERPENDICULAR TO BUILDING WALLS.
- ALL EMPTY RACEWAYS SHALL CONTAIN A DRAG WIRE. EMPTY RACEWAYS 2" OR LARGER IN SIZE SHALL HAVE A MAXIMUM OF 3-90 DEGREE BENDS.
- MAKE FINAL CONNECTION TO ALL MOTORS AND VIBRATING EQUIPMENT WITH FLEXIBLE CONDUIT.
- ALL CONDUIT/CABLE PENETRATIONS OF EXTERIOR WALLS, FIRE RATED WALLS AND FIRE RATED FLOORS, SHALL BE CAULKED AND SEALED WATERTIGHT. SEALS FOR FIRE RATED PENETRATIONS SHALL BE SEALED WITH UL LISTED PUTTY TYPE SEALING COMPOUND.
- CONTRACTOR SHALL X-RAY THE CONCRETE FLOOR SLAB PRIOR TO CORE DRILLING OR CHISELING TO INSTALL NEW SLEEVES OR CONDUITS.
- WIRING SHALL BE ARMORED CABLE OR METAL CLAD WIRING. ALL HOME RUNS SHALL BE INSTALLED IN GALVANIZED EMT.
- FEEDER CONDUITS SHALL BE GALVANIZED EMT OR HEAVY WALL GALVANIZED RIGID STEEL.

WIRE AND CABLE

- THE CORRECT NUMBER OF WIRES MAY NOT BE INDICATED FOR ALL CIRCUITS. ONLY THOSE WHERE CLARIFICATION IS NECESSARY. THIS CONTRACTOR SHALL PROVIDE ALL WIRES NECESSARY FOR THE PROPER OPERATION OF THE SYSTEM WHETHER INDICATED ON DRAWINGS OR NOT.
- ALL CONDUCTORS, RACEWAYS AND CABLES SHALL BE CONCEALED IN WALL OR INSTALLED ALONG BEAMS UNLESS INDICATED OTHERWISE.
- CONDUCTORS SHALL BE INSTALLED CONTINUOUS BETWEEN DEVICES, WITH SPlice LOCATED ONLY IN JUNCTION BOXES OR IN CABINETS. CONDUCTORS SHALL BE OF SUFFICIENT LENGTH TO REACH THE FARTHEST TERMINAL IN PANELS. A MINIMUM OF 6" LOOPS SHALL REMAIN WHERE CONNECTIONS OR TAPS ARE TO BE MADE IN BRANCH CIRCUIT WIRING.
- FEEDERS SHALL BE COPPER (ALL CONDUCTOR SIZES INDICATED ON THE DRAWINGS ARE FOR COPPER CONDUCTORS). INSULATION SHALL BE RATED FOR 75 DEG. C. ALUMINUM FEEDERS WILL BE ALLOWED IF APPROVED BY LOCAL JURISDICTION; SIZES SHOWN ON THE DRAWINGS SHALL MODIFIED FOR ALUMINUM CONDUCTORS.
- ALL WIRING SHALL BE COLOR CODED THROUGHOUT.
- ALL BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER, MINIMUM NO. 12-EXCEPT CONTROL CONDUCTORS AND LIGHTING TAPS AS PERMITTED BY N.E.C. CONDUCTORS FOR SWITCHING LIGHTS SHALL NOT BE CONSIDERED CONTROL CONDUCTORS. ALL SIZES #8 OR LARGER SHALL HAVE THW INSULATION OR EQUIVALENT. THW OR EQUIVALENT SHALL BE REQUIRED FOR HEATERS OR OTHER UL LISTED DEVICES RATED AT 75 DEG. F. SUPPLY FEED.
- ALL RECEPTACLES, LIGHTING FIXTURES, MOTORS, ETC., SHALL BE GROUNDED. ALL RECEPTACLE CIRCUITS SHALL CONTAIN A #12 INSULATED GROUND CONDUCTOR.
- BALANCE THE PANEL LOADS. INSTALL MULTIPLE HOMERUNS TO ALTERNATELY NUMBERED PANELBOARD CIRCUITS (i.e. 1, 3, 5).
- ALL 120 VOLT CIRCUIT HOMERUNS WHICH ARE OVER 100 LINEAR FEET SHALL BE A MINIMUM OF #10 CONDUCTORS UNLESS OTHERWISE INDICATED ON THE PLANS.

PANELBOARDS

- CIRCUIT NUMBERS ARE FOR IDENTIFICATION PURPOSES ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTLY SPACING THE CIRCUITS IN THE PANEL AND BALANCE THE LOAD ON THE PHASES UNDER NORMAL OPERATING CONDITIONS.
- PANELBOARDS: PROVIDE BOLT ON TYPE BRANCH CIRCUIT BREAKERS. THE BRANCH CIRCUIT BREAKERS SHALL BE CONSTRUCTED WITH OVER CURRENT TRIP FREE, AND POSITIVE HANDLE TRIP WITH COMMON TRIP ON ALL MULTIPLE POLE BREAKERS.
- PROVIDE AN UPDATED TYPEWRITTEN PANEL DIRECTORY IN EACH PANEL AFTER COMPLETION OF WORK.
- EXISTING PANELBOARDS: CONTRACTOR SHALL MAKE A CAREFUL INSPECTION OF ALL EXISTING CIRCUITRY SERVING THE EXISTING SPACE PRIOR TO ITS MODIFICATION. PHYSICALLY VERIFY AND LABEL ALL EXISTING BRANCH CIRCUITS AND OVERCURRENT PROTECTION DEVICES. PREPARE A NEW TYPED DIRECTORY OF ALL PANELS SERVING THE AREA OF WORK.

COORDINATION

- EQUIPMENT OR DEVICES SHOWN ON PLANS, OR LOCATION OF SUCH EQUIPMENT/DEVICES MAY BE DIFFERENT AT TIME OF INSTALLATION. PRIOR TO ROUGH-IN OR INSTALLATION OF ANY ELECTRICAL DEVICES, WIRING, CONDUITS, SWITCHES ETC., NECESSARY FOR THE INSTALLATION OF SUCH EQUIPMENT, COORDINATE ALL ELECTRICAL WORK WITH THE GENERAL CONTRACTOR AND THE LATEST ARCHITECTURAL PLANS. IF THE WORK IS NOT COORDINATED, ANY REMEDIAL WORK SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER, AS A MINIMUM, COORDINATE THE FOLLOWING WORK:
 - COORDINATE FOR THE EXACT LOCATION OF CHASES, FURRING SPACES, DROPPED CEILINGS, STRUCTURE PENETRATIONS, PAINTING, ETC.
 - CONSULT ARCHITECTURAL PLANS AND DETAILS FOR CONSTRUCTION TYPE, HEADROOM, ROOM FINISHES, TYPE OF CEILING, FLOORS ETC.
 - COORDINATE COLOR AND FINISHES OF RECEPTACLES AND SWITCHES WITH THE ARCHITECTURAL PLANS.
 - COORDINATE ALL HVAC/PLUMBING AND OTHER EQUIPMENT'S LOCATIONS AND POWER REQUIREMENTS NECESSARY FOR EQUIPMENT INSTALLATION, WITH THE RESPECTIVE SUB CONTRACTOR.
 - COORDINATE ALL MOUNTING HEIGHTS FOR SWITCHES, RECEPTACLES, LIGHTING FIXTURES AND TELEPHONE OUTLETS BY THE USE OF THE ARCHITECTURAL REFLECTED CEILING PLANS AND ELEVATIONS. SHOULD ANY CONFLICTS BECOME APPARENT, CONTRACTOR SHALL REQUEST CLARIFICATION PRIOR TO INSTALLATION.

ELECTRICAL SYMBOLS

ELECTRICAL ABBREVIATIONS

	WALL MOUNTED LIGHT FIXTURE
	2X4' FLUORESCENT LIGHTING FIXTURES
	2X4' LED LIGHTING FIXTURE ON NIGHT LIGHT CIRCUIT
	1X4' FLUORESCENT LIGHTING FIXTURE
	STRIP OR INDUSTRIAL TYPE FLUORESCENT LIGHT FIXTURE
	DOWNLIGHT
	LIGHTING FIXTURE TYPE. SEE LIGHTING FIXTURE SCHEDULE
	SELF-CONTAINED EMERGENCY BATTERY PACK
	WALL/CEILING MOUNTED EXIT SIGN. SHADED AREA INDICATES LIGHTED FACES. ARROWS AS INDICATED ON DRAWINGS
	20A, 120V, 3W TAMPER-RESISTANT DUPLEX RECEPTACLE, +18" AFF. UON
	20A, 120V, 3W TAMPER-RESISTANT DUPLEX RECEPTACLE, +44" AFF. UON
	20A, 125V, 3W TAMPER-RESISTANT DUPLEX RECEPTACLE WITH BUILT-IN GROUND-FAULT CIRCUIT INTERRUPTER MOUNTED +18" ABOVE FINISH FLOOR UON
	20A, 125V, 3W TAMPER-RESISTANT DUPLEX RECEPTACLE WITH BUILT-IN GROUND-FAULT CIRCUIT INTERRUPTER MOUNTED +44" ABOVE FINISH FLOOR UON
	20A, 125V, 3W TAMPER-RESISTANT DUPLEX RECEPTACLE WITH BUILT-IN GROUND-FAULT CIRCUIT INTERRUPTER MOUNTED +18" ABOVE FINISH FLOOR UON
	20A, 125V, 3W TAMPER-RESISTANT DUPLEX RECEPTACLE WITH BUILT-IN GROUND-FAULT CIRCUIT INTERRUPTER MOUNTED +44" ABOVE FINISH FLOOR UON
	30A, 125/250V, 4W SINGLE RECEPTACLE NEMA 14-30R-36" AFF. UON.
	60A, 125/250V, 4W SINGLE RECEPTACLE NEMA 14-60R-12" AFF. UON.
	JUNCTION BOX
	SINGLE POLE TOGGLE SWITCH 125V, 20A, +48" AFF. UON.
	THREE WAY TOGGLE SWITCH 125V, 20A, +48" AFF. UON.
	MOTOR RATED SWITCH WITH OVERLOAD THERMAL PROTECTION
	EXISTING PANELBOARD
	NEW PANEL BOARD
	BRANCH CIRCUIT HOMERUN. NUMBER OF ARROWS INDICATE NUMBER OR CIRCUITS. NUMBER OF HASH MARKS INDICATE NUMBER OR WIRES IN CONDUIT WHEN MORE THAN TWO. GROUND WIRE NOT SHOWN, BUT REQUIRED. ALL CIRCUITS SHALL HAVE A SEPARATE INSULATED GROUND WIRE
	WIRING AND CONDUIT CONCEALED IN CEILING OR WALL
	WIRING AND CONDUIT CONCEALED IN FLOOR
	DATA/TELEPHONE OUTLET, MOUNTED +18" AFF. UON. CONTRACTOR SHALL PROVIDE EMPTY 3/4" CONDUIT WITH PULL WIRE FROM JUNCTION BOX TO ABOVE ACCESSIBLE CEILING
	DATA OUTLET, MOUNTED +18" AFF. UON. CONTRACTOR SHALL PROVIDE EMPTY 3/4" CONDUIT WITH PULL WIRE FROM JUNCTION BOX TO ABOVE ACCESSIBLE CEILING
	TELEPHONE OUTLET, MOUNTED +48" AFF. UON. CONTRACTOR SHALL PROVIDE EMPTY 3/4" CONDUIT WITH PULL WIRE FROM JUNCTION BOX TO ABOVE ACCESSIBLE CEILING
	FUSIBLE DISCONNECT SWITCH 30/220" AMPERE/POLES/FUSE SIZE
	NON-FUSIBLE DISCONNECT SWITCH
	TV OUTLET, MOUNTING HEIGHT REFER TO ARCHITECTURAL DRAWINGS

FIRE ALARM SYMBOLS LEGEND

	FIRE ALARM SPEAKER/STROBE DEVICE CEILING OR WALL MOUNTED. 80" AFF OR 6" BELOW CEILING WHICHEVER IS LOWER NUMBER INDICATE CANDELA RATING. "CM" INDICATES CEILING MOUNTED.
	FIRE ALARM STROBE DEVICE CEILING OR WALL MOUNTED. 80" AFF OR 6" BELOW CEILING WHICHEVER IS LOWER NUMBER INDICATE CANDELA RATING. "CM" INDICATES CEILING MOUNTED.
	CALL BUTTON
	SPEAKER
	TAMPER SWITCH
	PULL STATION

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
(N)	NEW DEVICE
(XN)	REPLACE WITH NEW

A	AMPERES OR AMP
AC	ALTERNATING CURRENT
ADA	AMERICANS WITH DISABILITIES ACT
AIC	AMPERE INTERRUPTING CURRENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AWG	AMERICAN WIRE GAUGE
BLDG	BUILDING
C	CONDUIT
CAT	CATALOG
CKT	CIRCUIT
CLG/CM	CEILING OR CEILING MOUNTED
CU	COPPER
C/B	CIRCUIT BREAKER
C/T	CURRENT TRANSFORMER
CW	COOL WHITE
D	DEPTH
DWG	DRAWING
EC	EMPTY CONDUIT WITH PULL WIRE
ERF	ELECTRICAL RADIANT FLOOR
FIXT	FIXTURE
FLA	FULL LOAD AMP
FLUO	FLUORESCENT
FLR	FLOOR
FT	FEET
G/GRND	GROUND OR GROUNDING
GFI	GROUND FAULT INTERRUPTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTOR
H	HEIGHT
HP	HORSEPOWER
FBO	FURNISHED BY OTHERS
INC	INCANDESCENT
KCML	THOUSAND CIRCULAR MILS
KV	KILOVOLT
KVA	KILOVOLTAMPS
KW	KILOWATTS
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MOP	MAXIMUM OVERCURRENT PROTECTION
MIN	MINIMUM
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MTG	MOUNTING
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURES ASSOCIATIONS
NIC	NOT IN CONTRACT
NO / #	NUMBER
PVC	POLYVINYL CHLORIDE
RM	ROOM
TYP	TYPICAL
U/G	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
V	VOLTAGE OR VOLT
VA	VOLT AMP
W	WATTS
W/	WITH
WP	WEATHERPROOF

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

OWNER:

DIVISION OF CONSTRUCTION
45 W. GUDE DRIVE, 4TH FLOOR
ROCKVILLE, MD 20850

MECHANICAL / PLUMBING / ELECTRICAL ENGINEER:

CERTIFICATION BLOCK
I certify that these documents were prepared or 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, 2027**

SHERWOOD HIGH SCHOOL ELEVATOR MODERNIZATION

300 QUINCY SANDY SPRING SANDY SPRING, MD 20860

ELECTRICAL GENERAL NOTES, SYMBOLS, & ABBREVIATIONS

PROJECT NO.	25105
DRAWN BY	E.J.C.
REVIEWED BY	A.R.

PERMIT/BID SET	MARCH 09, 2026	
REV.	ISSUE:	DATE

DRAWING STAMP

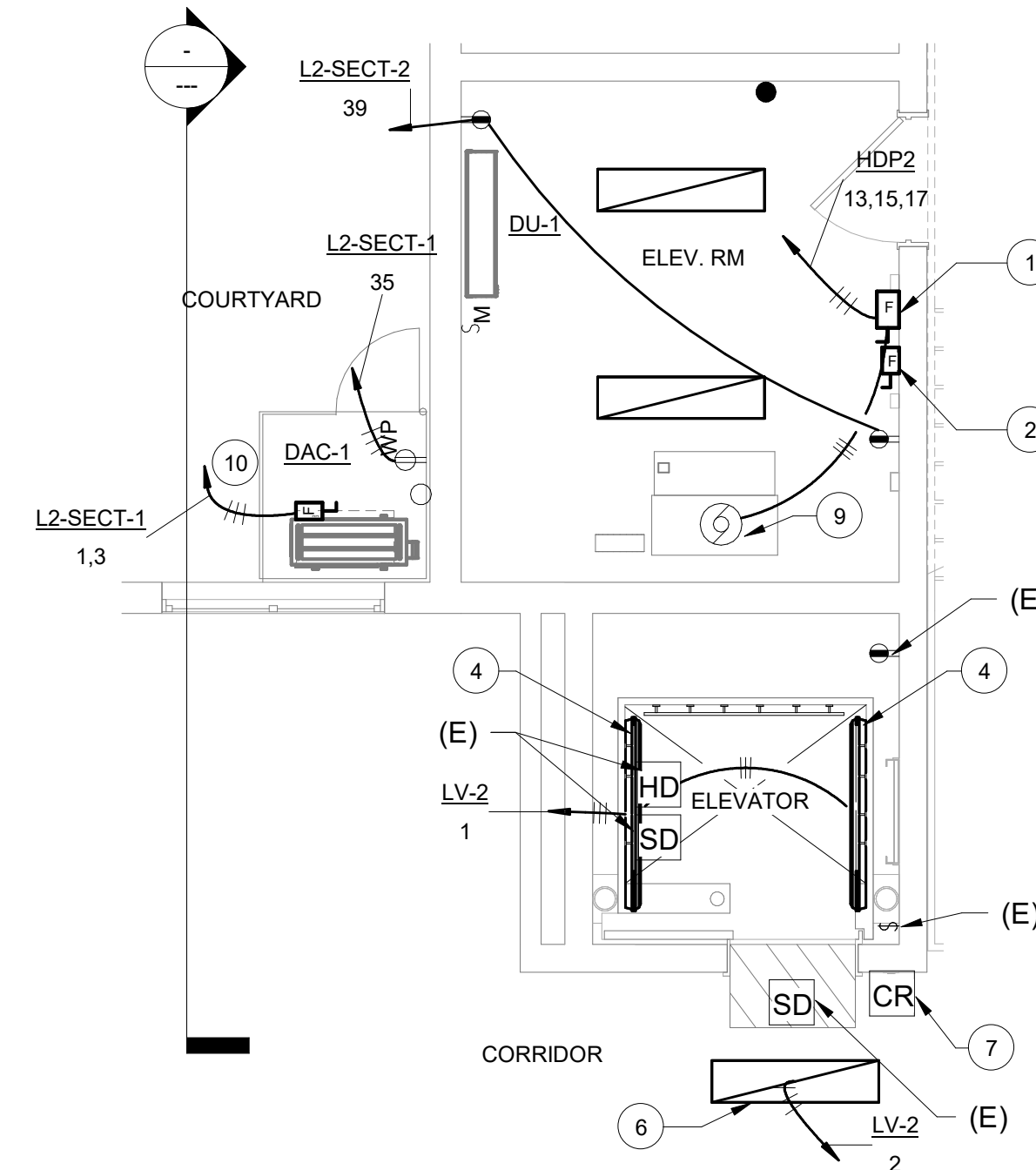
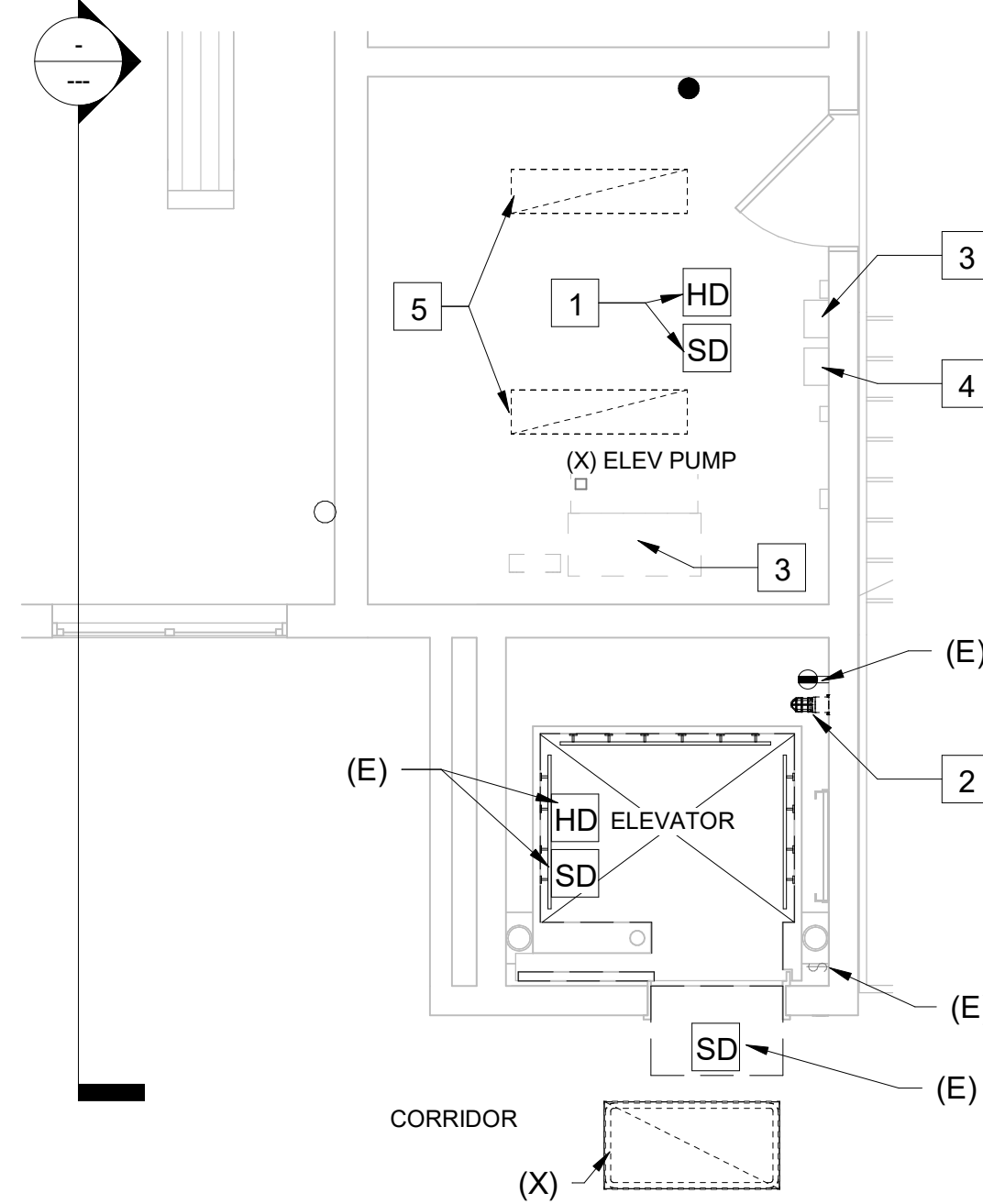
SHEET NUMBER
E000

GENERAL NOTES: DEMOLITION

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

REFERENCE NOTES: DEMOLITION

- EXISTING FIRE ALARM DEVICES SERVING ELEVATOR MACHINE ROOM TO REMAIN U.O.N.
- REMOVE EXISTING ELEVATOR PIT LIGHT FIXTURE AND REPLACE WITH NEW. REMOVE ASSOCIATED CONDUIT/WIRE BACK TO PANEL REFER TO NEW WORK.
- REMOVE EXISTING ELEVATOR MOTOR 15HP 480V 3Ø. MOTOR AND REPLACE. REMOVE ALL ASSOCIATED DISCONNECT SWITCH, CONDUIT AND WIRING, ETC. BACK TO SOURCE. NEW SEE NEW WORK.
- REMOVE EXISTING ELEVATOR DISCONNECT SWITCH SERVING CAR FAN & LIGHT AND REPLACE WITH NEW. REMOVE ASSOCIATED CONDUIT, AND WIRING BACK TO SOURCE REFER TO NEW WORK.
- EXISTING LIGHT FIXTURE IN ELEVATOR MACHINE ROOM TO REMAIN U.O.N.



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.

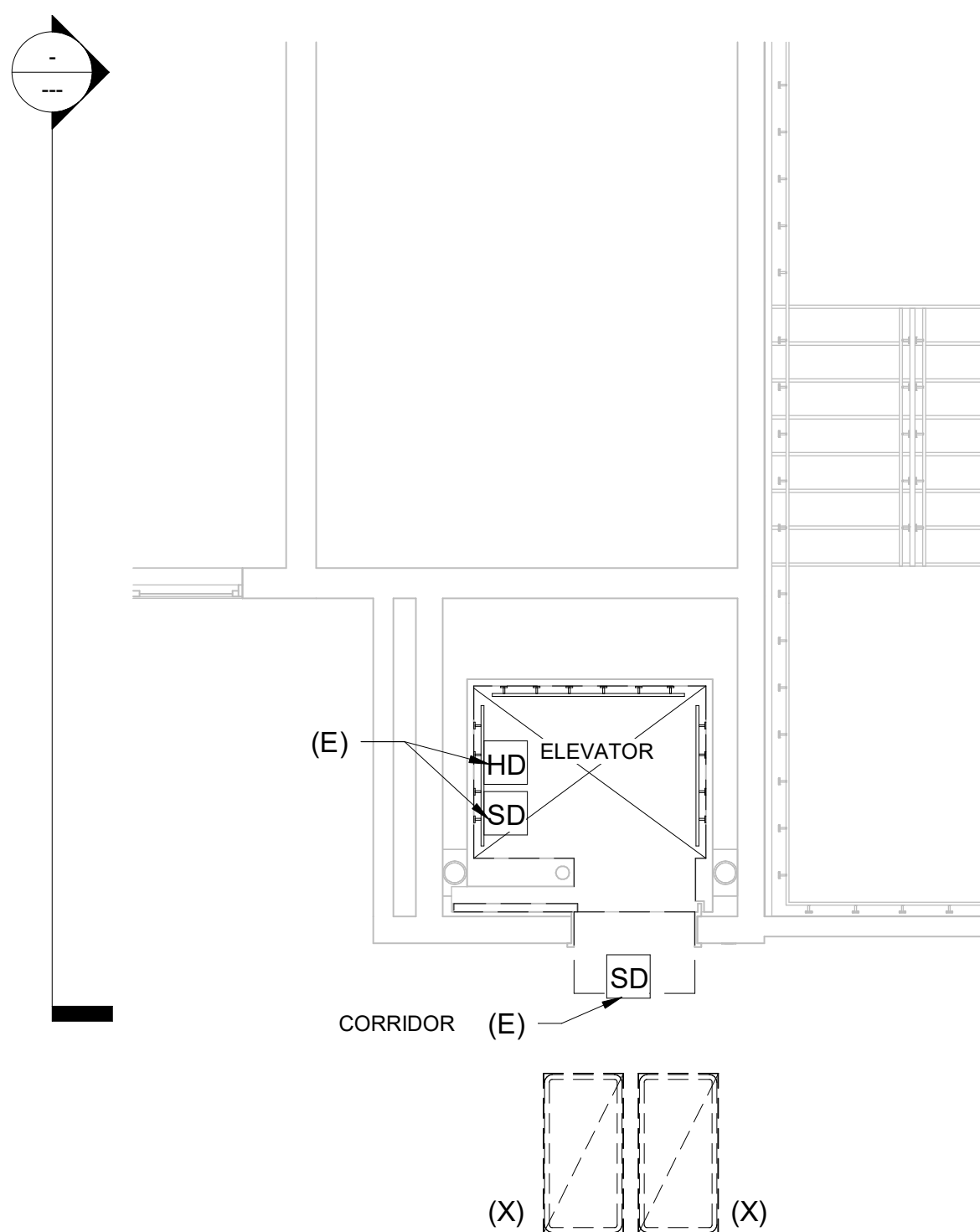
REFERENCE NOTES: NEW WORK

- PROVIDE 3P-100 AMP FUSED DISCONNECT SWITCH WITH 100 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.
- 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 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 BR 600 AMP 277/480V 3Ø 3W EXIST. POSITION #2 THIS CONTRACTOR SHALL REMOVE THE EXISTING 3P-70 AMP CIRCUIT BREAKER SERVING THE EXISTING ELEVATOR THAT WAS REMOVED, AND PROVIDE A NEW 3P-100 AMP CIRCUIT BREAKER W/BUILT-IN SHUNT-TRIP MECHANISM TO SERVE NEW ELEVATOR REFER TO PANEL SCHEDULE REFER TO ELEVATOR NOTE ON THIS SHEET.
- 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. CONTRACTOR SHALL INSTALL CARD READER USING MCPS AUTHORIZED CONTRACTOR.
- RELOCATED SWITCH. CONNECT TO PANEL "LIFE SAFETY" CIRCUIT BREAKER #9.
- NEW ELEVATOR MOTOR 30HP-480V-3PHASE.
- TO LOWER LEVEL ELEVATOR ROOM UNIT DU-1.

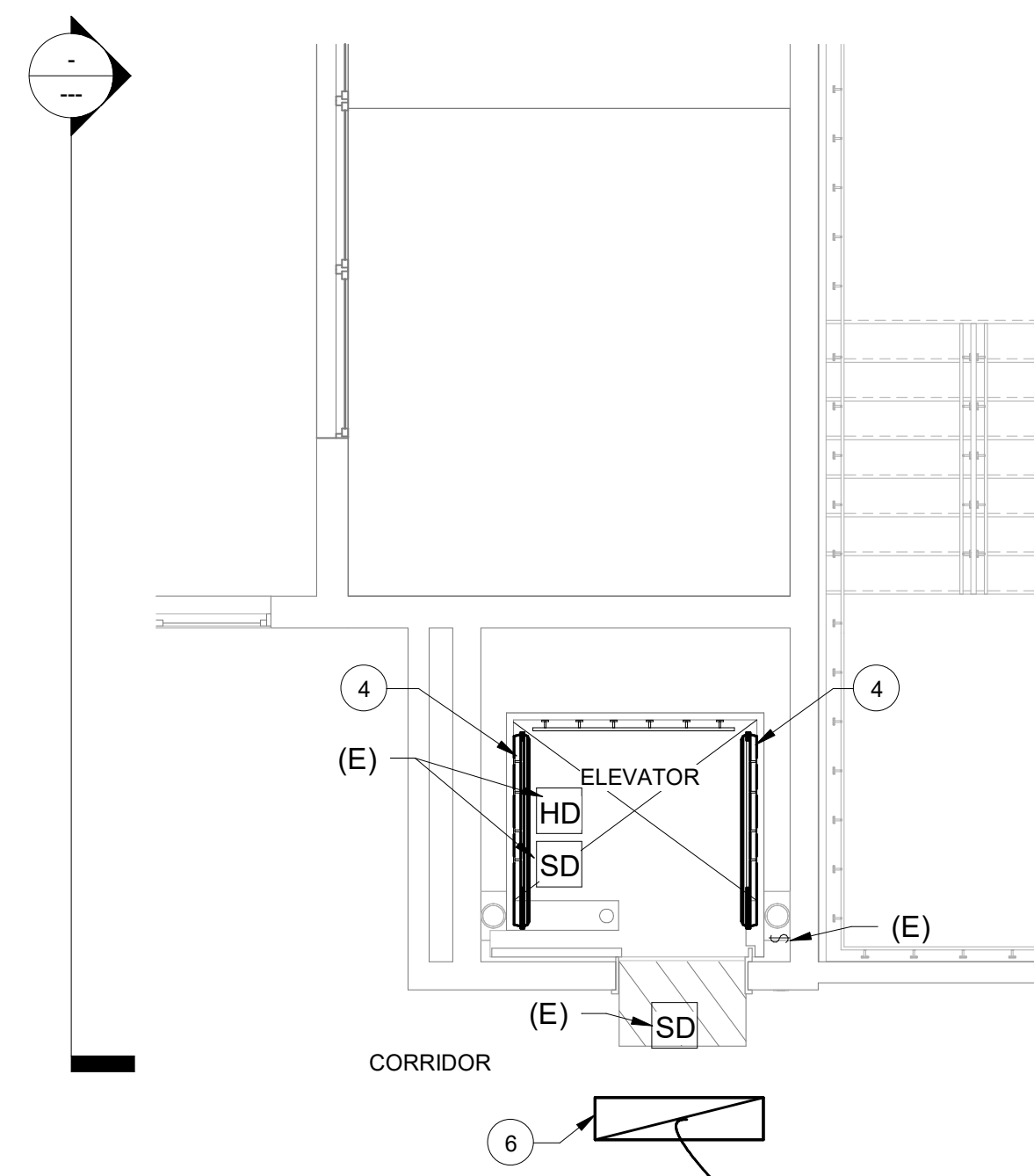
ELEVATOR NOTE:

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.

1 LOWER FLOOR PLAN - ELECTRICAL DEMO 1/4" = 1'-0"



2 LOWER FLOOR PLAN - ELECTRICAL NEW WORK 1/4" = 1'-0"

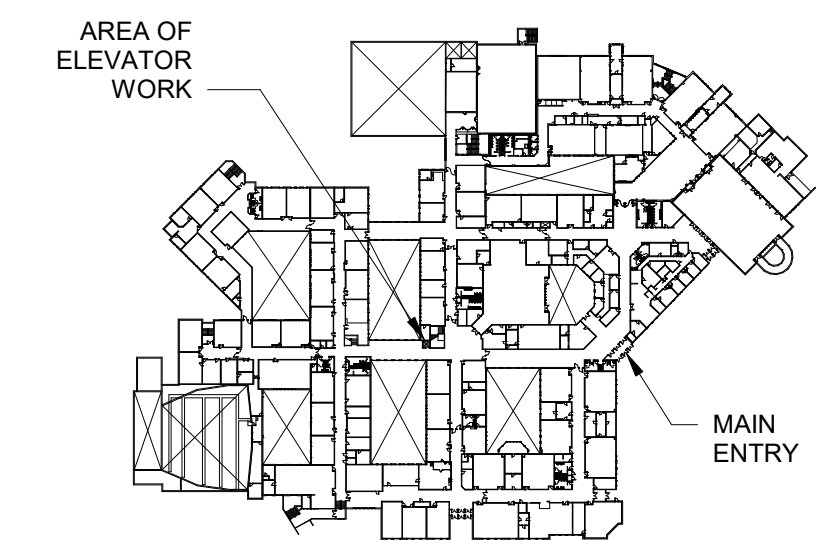


NOTE:

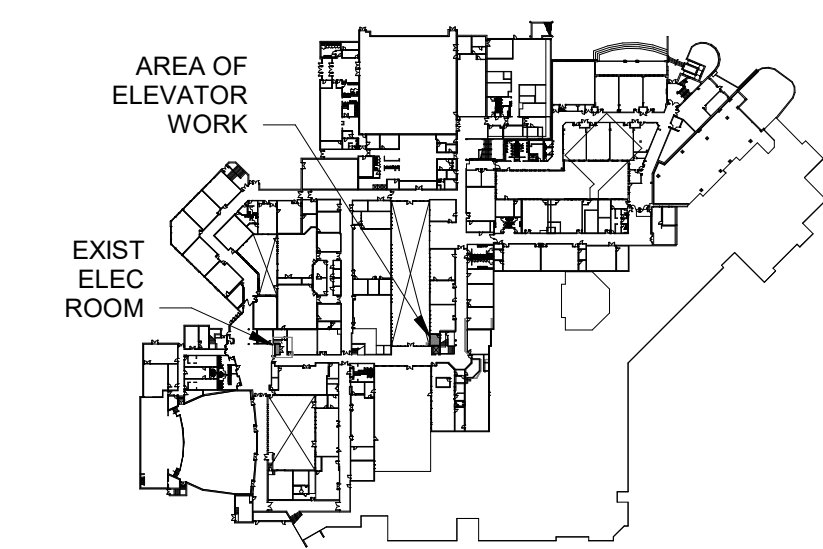
CONTRACTOR IS TO PROVIDE ALL NECESSARY CABLES AND WIRING. NETCOM, MCPS APPROVED CONTRACTOR WILL HOOK EVERYTHING UP.
MODEL FOR CARD READER: HID PART #40NKS-00-000000

3 MAIN FLOOR PLAN - ELECTRICAL DEMO 1/4" = 1'-0"

4 MAIN FLOOR PLAN - ELECTRICAL NEW 1/4" = 1'-0"



MAIN LEVEL KEY PLAN



LOWER LEVEL KEY PLAN

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. GUEDE DRIVE, 4TH FLOOR
ROCKVILLE, MD 20850

MECHANICAL / PLUMBING / ELECTRICAL ENGINEER

CTA CONSULTING ENGINEERS, INC
220 NORTH ADAMS ST
ROCKVILLE, MD 20850
(P) 301-762-7172

CERTIFICATION BLOCK

I certify that these documents were prepared or 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, 2027

SHERWOOD HIGH SCHOOL ELEVATOR MODERNIZATION

ELECTRICAL DEMOLITION & NEW WORK

300 OLNEY SANDY SPRING
SANDY SPRING, MD 20880

PROJECT NO. 25105
DRAWN BY E.J.C
REVIEWED BY A.R.

PROJECT ISSUE DATE
PERMIT/BID SET MARCH 09, 2026

REV. ISSUE: DATE

DRAWING STAMP



SHEET NUMBER

E101

Branch Panel: L2-SECT-1

Location: L2-SECT-2
 Supply From: L2-SECT-2
 Mounting: Surfaced
 Enclosure: Type 1

Volts: 120/208 Wye
 Phases: 3
 Wires: 4

A.I.C. Rating:
 Mains Type:
 Mains Rating: 400 A
 MCB Rating: 400 A

Notes:
 EXISTING PANEL, BOLD CIRCUITS ARE NEW WITH 2#12+12 GROUND

CKT	Circuit Description	Wire Size	Conduit s	Trip	Pole s	A	B	C	Pole s	Trip	Conduit s	Wire Size	Circuit Description	CKT
1	NEW INDOOR/OUTDOOR...	2#12+12G	3/4"	20 A	3	1665 VA	1440...		20 A	1			PLUGS, PRAC. RM. D&C	2
3	--	--	--	--	--		1665... 1440...		20 A	1			PLUGS, CHORAL OFFICE	4
5	U.V. STAIR 6, F-125 & 103			20 A	1			1200...	20 A	1			PLUGS, PRACTICE RM. B...	6
7	PLUGS, G-100 TICKET			20 A	1	1080 VA	1800...		20 A	1			PLUGS, E-101, OFFICE &...	8
9	PLUGS, CHORAL MUSIC			20 A	1		1440... 1440...		20 A	1			PLUGS, E-101 & HALL E...	10
11	PLUGS, INST. MUSIC			20 A	1		1080... 1440 VA		20 A	1			PLUGS, MIDI RM. CHORAL...	12
13	PLUGS, E-1B,E-1A,E-102			20 A	1	1440 VA	0 VA		20 A	1			TO C-103 NOT USED	14
15	PLUGS, E-150 OFFICE			20 A	1		1440... 450 VA		20 A	1			U.V. WING E HALL	16
17	PLUGS, E-100 STORAGE...			20 A	1		1440... 0 VA		20 A	1			Spare	18
19	PLUGS, E-100			20 A	1	1080 VA	200 VA		20 A	1			BC CONTROL	20
21	U.V. E-100			20 A	1		750 VA 350 VA		20 A	1			U.V. F-101 AND STORAGE	22
23	SINGLE PLUG INSTRU....			20 A	1			360 VA 0 VA	20 A	1			TO C-103 NOT USED	24
25	SINGLE PLUG CHORAL...			20 A	1	360 VA	750 VA		20 A	1			HANDRYER RM. 126 MENS	26
27	HANDRYERS RM. 133 MENS			20 A	1		750 VA 750 VA		20 A	1			HANDRYER RM. 126...	28
29	HANDRYERS RM. 133...			20 A	1			750 VA 750 VA	20 A	1			U.V. E-102 INSTRU. RM. 151	30
31	WATER COOLER LOBBY			20 A	1	500 VA	750 VA		20 A	1			U.V. C-101	32
33	WATER COOLER LOBBY			20 A	1		500 VA 1500...		20 A	1			U.V. C-105 & C-103	34
35	CONDENSATE PUMP	2#12+12G	3/4"	20 A	1		180 VA 1500 VA		20 A	1			U.V. C-105, STAFF LOUNGE	36
37	CONTROL AHU ROOMS			20 A	1	250 VA	750 VA		20 A	1			U.V. G-101	38
39	PLUGS, MAKE-UP RM. ME...			20 A	1		1440... 300 VA		20 A	1			CONTACTOR C-103,101...	40
41	PLUGS, LOBBY VENDING...			20 A	1		1440... 750 VA		20 A	1			U.V. RM. 241	42
THIS SECTION TOTAL:						Total... 12065 VA	14215 VA	11970 VA						
TOTAL LOAD CONNECTED TO FEED THROUGH LUGS:						Total... 101 A	119 A	100 A						
PANEL GRAND TOTALS:						Total... 12065 VA	14215 VA	11970 VA						
Legend:														

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	3330 VA	100.00%	3330 VA	Total Conn. Load: 38250 VA Total Est. Demand: 38250 VA Total Conn.: 106 A Total Est. Demand: 106 A
Receptacle	180 VA	100.00%	180 VA	
Spare	34740 VA	100.00%	34740 VA	

Notes:

Branch Panel: HDP2

Location: H2
 Supply From: H2
 Mounting: Recessed
 Enclosure: Type 1

Volts: 480/277 Wye
 Phases: 3
 Wires: 4

A.I.C. Rating:
 Mains Type:
 Mains Rating: 225 A
 MCB Rating: 1 A

Notes: EXISTING PANEL
 BOLD CIRCUITS ARE NEW

CKT	Circuit Description	Wire Size	Conduit s	Trip	Pole s	A	B	C	Pole s	Trip	Conduit s	Wire Size	Circuit Description	CKT
1	Spare			20 A	3	0 VA	1800...		20 A	3			AHU 4	2
3	--	--	--	--	--		0 VA 1800...		--	--	--	--	--	4
5	--	--	--	--	--		0 VA 1800 VA		--	--	--	--	--	6
7	AHU 3			20 A	3	1800 VA	2770...		30 A	3			DUST COLLECTOR	8
9	--	--	--	--	--		1800... 2770...		--	--	--	--	--	10
11	--	--	--	--	--		1800... 2770 VA		--	--	--	--	--	12
13	ELEVATOR SHUNT	3#3+8G	1 1/4"	100...	3	10560 VA	0 VA		3	100...			PANEL H2	14
15	--	--	--	--	--		1056... 0 VA		--	--	--	--	--	16
17	--	--	--	--	--		1056... 0 VA		--	--	--	--	--	18
19	Space			--	1		1108...		2	80 A			LT POLE A1 FAR BASEBALL	20
21	Space			--	1		-- 1108...		--	--	--	--	--	22
23	Space			--	1		-- 1108...		2	80 A			LT POLE A2 BLEECHES...	24
25	Space			--	1		-- 1108...		--	--	--	--	--	26
27	Space			--	1		-- 1108...		2	80 A			LT POLE B2 BLEECHES 108	28
29	Space			--	1		-- 11080 VA		--	--	--	--	--	30
31	Space			--	1		-- 1108...		2	80 A			LT POLE B1 FAR-108	32
33	Space			--	1		-- 1108...		--	--	--	--	--	34
35	Space			--	1		-- --		1	--			Space	36
37	Space			--	1		-- --		1	--			Space	38
39	Space			--	1		-- --		1	--			Space	40
41	Space			--	1		-- --		1	--			Space	42
THIS SECTION TOTAL:						Total... 50170 VA	50170 VA	39090 VA						
TOTAL LOAD CONNECTED TO FEED THROUGH LUGS:						Total... 187 A	187 A	141 A						
PANEL GRAND TOTALS:						Total... 50170 VA	50170 VA	39090 VA						
Legend:														

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Elevator	31680 VA	95.00%	30096 VA	Total Conn. Load: 139430 VA Total Est. Demand: 137846 VA Total Conn.: 168 A Total Est. Demand: 166 A
Spare	107750 VA	100.00%	107750 VA	
Transformer	0 VA	0.00%	0 VA	

Notes:

Branch Panel: L2-SECT-2

Location: L2-SECT-2
 Supply From: L2-SECT-2
 Mounting: Surfaced
 Enclosure: Type 1

Volts: 120/208 Wye
 Phases: 3
 Wires: 4

A.I.C. Rating:
 Mains Type:
 Mains Rating: 400 A
 MCB Rating: 1 A

Notes:
 EXISTING PANEL

CKT	Circuit Description	Wire Size	Conduit s	Trip	Pole s	A	B	C	Pole s	Trip	Conduit s	Wire Size	Circuit Description	CKT
1	PLUGS, KEYBOARD LAB...			20 A	1	0 VA	0 VA		1	20 A			TO C-101 NOT USED	2
3	PLUGS, STORAGE E1C...			20 A	1		0 VA 0 VA		1	20 A			TO C-101 NOT USED	4
5	PLUGS, MECH. RM...			20 A	1			0 VA 0 VA	1	20 A			TO C-101 NOT USED	6
7	GV-5 MECH. E1B			20 A	1	0 VA	0 VA		1	20 A			TO C-101 NOT USED	8
9	SPARE			20 A	1			0 VA 0 VA	1	20 A			PLUGS, C 101	10
11	LTS. CHORAL MUSIC OVE...			20 A	1			0 VA 0 VA	1	20 A			DISPLAY CASE WING C	12
13	PLUGS, CORR. F. & CLOSET			20 A	1	0 VA	0 VA		1	20 A			U.V. WING C	14
15	PLUGS, F-101 & OFFICE			20 A	1		0 VA 0 VA		1	20 A			TO C-103 NOT USED	16
17	LTS. ERTZMAN LOBBY			20 A	1			0 VA 0 VA	1	20 A			PLUGS, MECH. RM. C1A	18
19	LTS. ERTZMAN LOBBY			20 A	1	0 VA	0 VA		1	20 A			TO C-103 NOT USED	20
21	Space			--	1			0 VA	1	20 A			WATER COOLER WING C	22
23	EWV CORR. E SECTION			20 A	1			0 VA 0 VA	1	20 A			PLUGS, C-105	24
25	WATER HEATER CUS...			40 A	2	0 VA	0 VA		1	20 A			PLUGS, C-105	26
27	--	--	--	--	--		0 VA 0 VA		3	20 A			ELEVATOR LIGHTS	28
29	PANEL LC2			50 A	3			0 VA 0 VA	--	--	--	--	--	30
31	--	--	--	--	--	0 VA	0 VA		--	--	--	--	--	32
33	--	--	--	--	--		0 VA 0 VA		3	60 A			BUS LOT TRAILER	34
35	GAS PUMP			60 A	2			0 VA 0 VA	--	--	--	--	--	36
37	--	--	--	--	--	0 VA	0 VA		--	--	--	--	--	38
39	Receptacle	2#12+12G	3/4"	20 A	1		360 VA 0 VA		2	20 A			EDHC ERTZMAN LOBBY	40
41	Space			--	1			-- 0 VA	--	--	--	--	--	42
THIS SECTION TOTAL:						Total... 0 VA	360 VA	0 VA						
TOTAL LOAD CONNECTED TO FEED THROUGH LUGS:						Total... 0 A	3 A	0 A						
PANEL GRAND TOTALS:						Total... 12065 VA	14215 VA	11970 VA						
Legend:														

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	3330 VA	100.00%	3330 VA	Total Conn. Load: 38610 VA Total Est. Demand: 38610 VA Total Conn.: 107 A Total Est. Demand: 107 A
Receptacle	540 VA	100.00%	540 VA	
Spare	34740 VA	100.00%	34740 VA	

Notes:

Branch Panel: LV-2

Location: LV-2
 Supply From: LV-2
 Mounting: Surfaced
 Enclosure: Type 1

Volts: 120/208 Wye
 Phases: 3
 Wires: 4

A.I.C. Rating:
 Mains Type:
 Mains Rating: 100 A
 MCB Rating: 80 A

Notes:
 ALL WIRING TO BE 2#12+12GROUND

CKT	Circuit Description	Wire Size	Conduit s	Trip	Pole s	A	B	C	Pole s	Trip	Conduit s	Wire Size	Circuit Description	CKT
1	ELEVATOR PIT/SHAFT		3/4"	20 A	1	120 VA	200 VA		1	20 A	3/4"		FRONT ELEVATOR LIGHT...	2
3	Space			--	1		-- --		1	--			Space	4
5	Space			--	1		-- --		1	--			Space	6
7	Space			--	1		-- --		1	--			Space	8
9	Space			--	1		-- --		1	--			Space	10
11	Space			--	1		-- --		1	--			Space	12
13	Space			--	1		-- --		1	--			Space	14
15	Space			--	1		-- --		1	--			Space	16
17	Space			--	1		-- --		1	--			Space	18
19	Space			--	1		-- --		1	--			Space	20
21	Space			--	1		-- --		1	--			Space	22
23	Space			--	1		-- --		1	--			Space	24
25	Space			--	1		-- --		1	--			Space	26