VARIOUS ROOM MODIFICATIONS **SEAVIEW ELEMENTARY SCHOOL**

SEAVIEW ELEMENTARY -----



TO CONTACT NJ ONE CALL PRIOR TO THE STAF OF CONSTRUCTION, CALL FOR MARKOUTS THRE (3) FULL BUSINESS DAYS IN ADVANCE AND BEGI EXCAVATION WITHIN 10 DAYS. ALL CONTRACTOR ON-SITE MUST HAVE THEIR OWN MARKOU





PROJECT LOCATION MAP N.T.S.

CITY OF LINWOOD ATLANTIC COUNTY, NEW JERSEY

APRIL, 2024

DWG. No. DRAWING TITLES

T-1.1

A-1.1 A-1.2 A-2.0

M-1.0

M-2.1

M-2.2 M - 3.1

M-4.1

P-2.1

P-3.1

E-1.0

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E-2.2

E-2.3

E-3.1

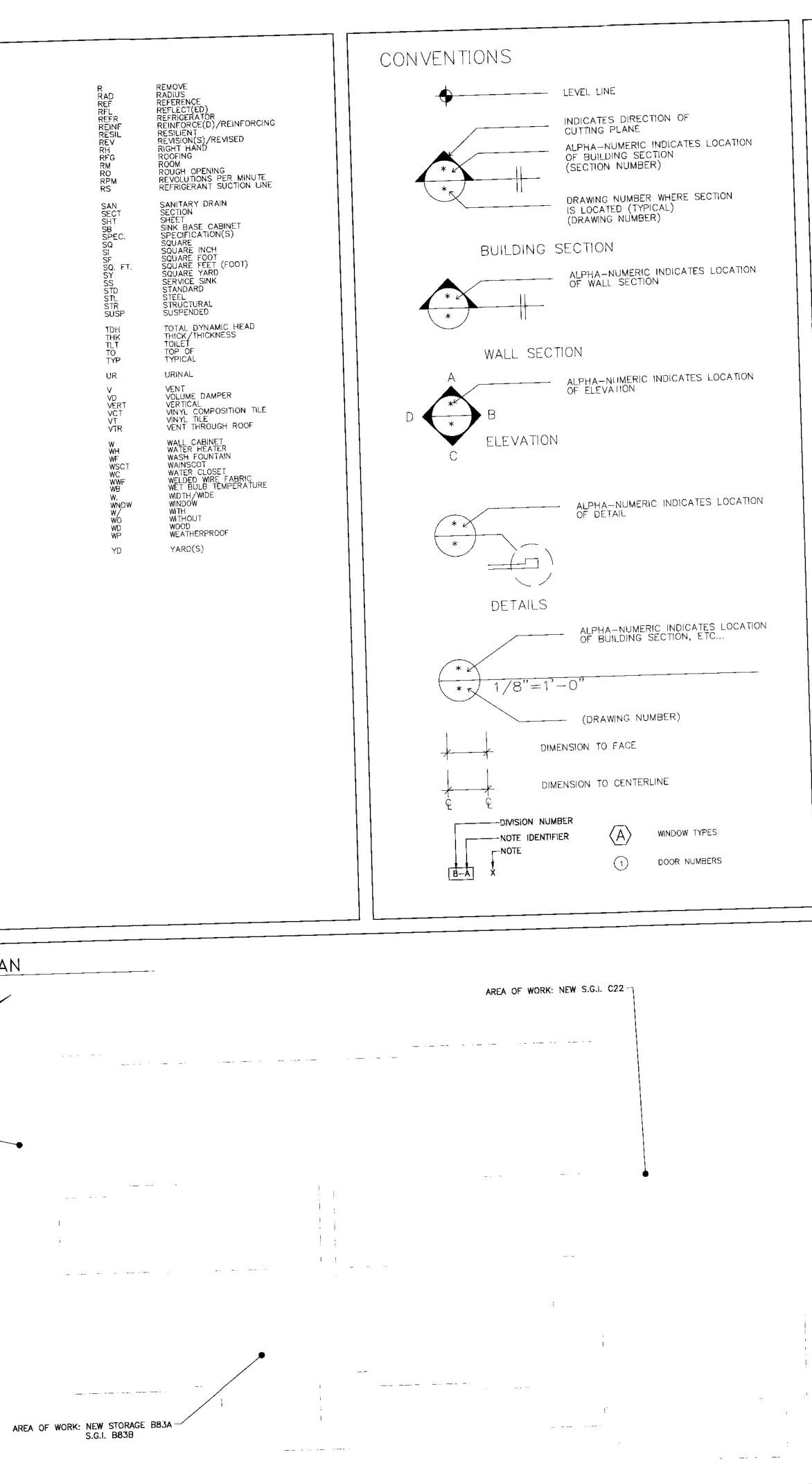
FP-2.1

TITLE SHEET
ARCHITECTURAL LEGEND
DEMOLITION FLOOR & REFLECTED CEILING PLANS
PROPOSED FLOOR & REFLECTED CEILING PLAN
DETAILS
MECHANICAL COVER SHEET
MECHANICAL DEMOLITION FLOOR PLAN
MECHANICAL FLOOR PLAN
MECHANICAL ROOF PLAN
MECHANICAL DETAILS
MECHANICAL SCHEDULES
PLUMBING UTILITY AND SANITARY PIPING FLOOR PLAN
PLUMBING DETAILS AND SCHEDULES
ELECTRICAL COVER SHEET
ELECTRICAL DEMOLITION PLAN
ELECTRICAL OVERALL FLOOR PLAN
ELECTRICAL PROPOSED REFLECTED CEILING PLANS
ELECTRICAL PROPOSED FLOOR PLANS
ELECTRICAL DETAILS AND SCHEDULES
FIRE PROTECTION PLAN

I9 REMIN & VER ENGII 845 NORTH PLEASANTVIL (609) 645-7110, F. WEB SITE ADDRES Certification of Authorit ~ENGINEERING	IGTON NICK NEERS MAIN STREET LE, NJ 08232 AX (609) 645-7076 S : WWW.RVE.COM ration: 24 GA 28003300 EXCELLENCE~
NJ PROFESSIONAL EN www.cornerste CORt DESIG	DENNIS JR. Igineer Lic, No. 47002 Interdestign com NERSTONE NARCHITECTS
CORNERSTONE ZACHARY LICENSE #21	Delett
ENGINEERS AND AFFILI OF SERVICE IN RESPECTOF INTENDED OR REFRESEN REUSE BY OWNER OR OTHE PROJECT OR ON ANY OTH WITHOUT WRITTEN VERIC SY REMINGTON & VERNICK FOR THE SPECIFIC PURI AT OWNERS SOLE RISK A UEGAL EXPOSURE TO REMIN AND AFFLIATES AND OWNER HARMLESS REMINGTON & AFFILIATES FROM ALL CLAI	
	DATE BY CHK
	REVISION
	ION IONS JOL NEW JERSEY
TITLE SHEET	CITY OF LINWOOD BOARD OF EDUCATION VARIOUS ROOM MODIFICATIONS SEAVIEW ELEMENTARY SCHOOL OD ATLANTIC COUNTY N
	CITY OF LINWOOF VARIOUS ROC SEAVIEW ELE CITY OF LINWOOD ATLAN
M.Z MZ <u>OATL</u> JOB No	CHECKED BY SCALE. E.D.J. AS NOTED SHEET NO : T-1.0

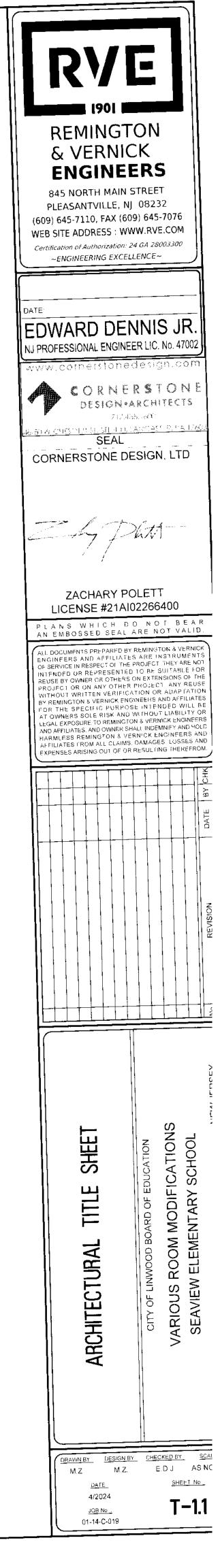
	ABOVE STREET	GA GAL GALV	GAGE/GAUGE GALLON(S) GALVANIZED
AFF ACOUST	ABOVE FINISHED FLOOR ACOUSTICAL ACOUSTICAL TILE	GC	GENERAL CONTRACT/CONTRACTOR
ACT ADH ADJ	ADHESIVE ADJACENT	GL GPM GRD	GLASS/GLAZING GALLONS PER MINUTE GRADE/GRADING
AGGR A/C	AGGREGATE AIR CONDITIONING	НВ	HOSEBIB HARDWARE
ALUM ANCH ANOD	ALUMINUM ANCHOR, ANCHORAGE ANODIZED	HDW HWD HDR	HARDWOOD HEADER
APRX ARCH	APPROXIMATE ARCHITECT (URAL)	HTG HVAC	HEATING VENTILATING AIR COND.
AVG	AVERAGE BASE CABINETS	H⊤ HM HORIZ	HEICHT/HIGH HOLLOW METAL HORIZONTAL
B BSMT BRG	BASEMENT BEARING		HORSE POWER HIGH TEMPERATURE WATER
BLW BTW	BELOW BETWEEN	HW HWH	HOT WATER HOT WATER HEATER HOT WATER RETURN
BVL BHP BIT	BEVELED BRAKE HORSE POWER BITUMINOUS	HWR HWS	HOT WATER SUPPLY
BLK BLKG	BLOCK BLOCKING		INCH/INCHES INCLUDE(D)/INCLUDING INSIDE DIAMETER/DIMENSION
BD BO	BOARD BOTTOM OF BUILDING	ID INSUL INT	INSIDE DIAMETER/DIMENSION INSULATE(D)/INSULATION INTERIOR
BLDG CD	COIL CONDENSATE DRIP PIPING	JL JC	JANITOR'S CLOSET
CSMT CS	CASEMENT CAST STONE	JT JF J	JOINT JOINT FILLER JOIST
CLG CH	CEILING CEILING HEIGHT CEMENT	ĸıt	KITCHEN
CEM CL CER	CEMENT CENTER LINE CERAMIC	KW	KILOWATTS LEAVING AIR TEMPERATURE
CT CIR	CERAMIC TILE CIRCLE CLEAN OUT	LAŤ LBL LAM	LABEL LAMINATE(D)
CO COL CONC		LAV LH	LAVATORY LEFT HAND
CMU CONST	CONCRETE MASONRY UNIT		LENGTH/LONG REFRIGERANT LIQUID LINE LOCKED ROTOR AMPS
CONT	CONTINUOUS OR CONTINUE CONTRACT(OR) CORRUGATED	LRA LT LF	LIGHT LINEAL FOOT
CORR CTR CU	COUNTER CUBIC	MFR	MANUFACTURE(R)
CFM CW	CUBIC FEET/MINUTE COLD WATER	MAS MO MAT	MASONRY MASONRY OPENING MATERIAL(S)
CYD		MAT MAX MECH	MAXIMUM MECHANIC(AL) MECHANICAL CONTRACTOR
D DEMO DEPR	DEEP/DEPTH DEMOLISH/DEMOLITION DEPRESSED	MC MTL	METAL
DTL DIAG		M MIN MISC	METER(S) MINIMUM MISCELLANEOUS
DIAM DIM DIV	DIAMETER DIMENSION DIVISION	MR MT	MOP RECEPTOR MOUNT(ED)/MOUNTING
DN DR		N	NEW NOISE REDUCTION COEFFICIEN
DH DS	DOUBLE HUNG DOWNSPOUT DRAWER BASE CABINET	NRC NOM NIC	NOMINAL Not in contract
DB DWG	DRAWING	NTS	NOT TO SCALE ON CENTER(S)
E	EXISTING TO REMAIN EACH/EXHAUST AIR ENTERING AIR TEMPERATURE.	OC OPG OPP	OPENING
EAT ELEC EC	ELECTRIC (AL)	OD OA	OUTSIDE DIAMETER/DIMENSION OVERALL/OUTSIDE AIR
EP EWC	ELECTRICAL PANELBOARD ELECTRIC WATER COOLER	PD PTD	PRESSURE DROP PAINT/PAINTED
ELEV EQ EQUIP	ELEVATION EQUAL EQUIPMENT	PNL PED	PANEL PEDESTAL
EXH EF	EXHAUST EXHAUST FAN EXHAUST FAN EXTERNAL STATIC PRESSURE		PERFORATE(ED) PE RIME TER PLASTER
ESP FXIST	EXTERNAL STATIC PRESSURE EXISTING EXISTING	PLAS PL PC	PLATE PLUMBING CONTRACTOR
(E) (ER) EXP	EXISTING TO BE RELOCATED EXPOSED	PLYD PT	PLYWOOD POINT POLYVINYL_CHLORIDE
EXT	EXTERIOR	PVC PSI PC	POUNDS PER SQUARE INCO PRECAST
FL. FD FIN	FLOOR DRAIN FINISH/FINISHED FINISHED FLOOR	PREFAB	PREFABRICATE(D)
FF FLSHG	FLASHING		
FLR FLUR FT	FLOOR/FLOORING FLUORESCENT FOOT/FEET		
FTG FOUND	FOOTING FOUNDATION		
FPM FRMG FV	FEET PER MINUTE FRAME/FRAMING FIELD VERIFY		
ΓV			
1			

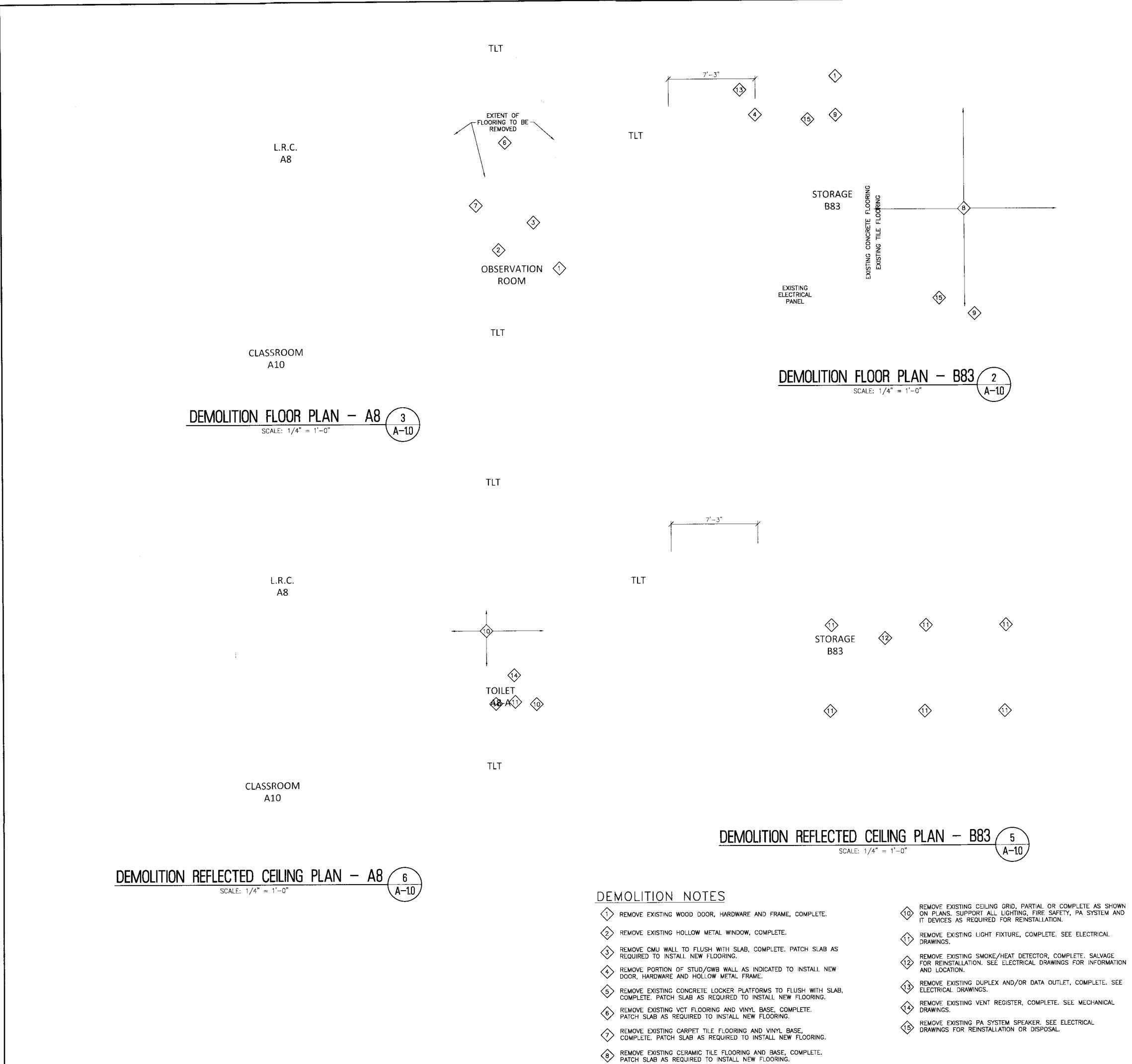
KEY PLAN AREA OF WORK: NEW TOILET AN ----i. i i I.



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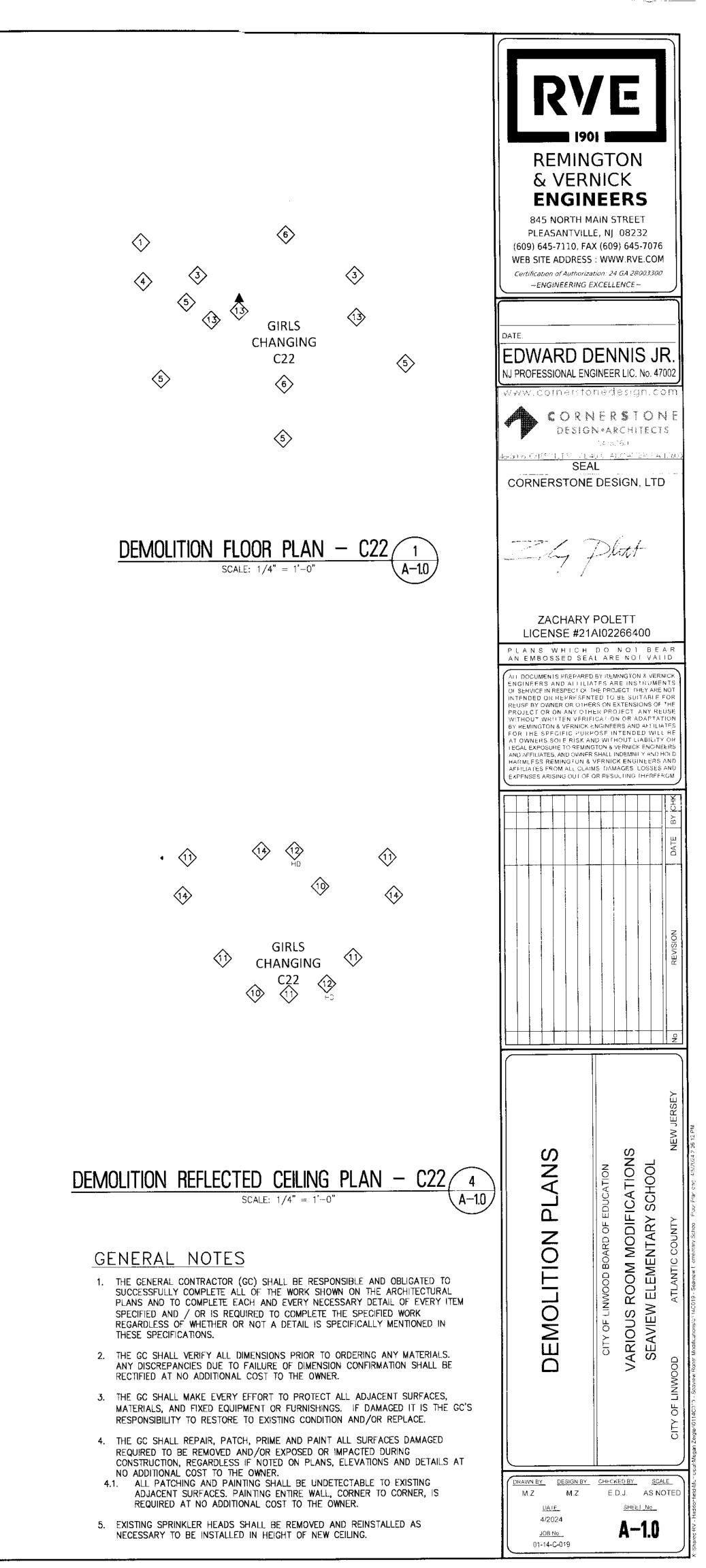
SYMBOL LEGEN	D
NORTH ARROW	
EARTH	
GRAVEL (SECT	ROUGH WOOD
BITUMINOUS	PAVING FINISHED WD.
CONCRETE	PLYWOOD
RIGID INSULA	ATION PANEL SSSSSS ACOUSTICAL TILE
CONCRETE N UNIT	MASONRY GYPSUM WALLBOARD
STEEL	
METAL FRA	AMING
100.00	EVATION NUMBER NOTE IDENTIFIER 8-A X-NOTE
AND NOTES. REFER TO THE KEYN INFORMATION WHICH RELATES TO THE ORGANIZATION OF THE KEYN KEYNOTE REFERENCE NUMBERS, DIVIDING THE WORK AMONG SUB OF WORK TO BE PERFORMED BY B. DO NOT SCALE DRAWINGS.	ON THE DRAWINGS FOR MATERIALS REFERENCES NOTE LEGEND ON THE DRAWING FOR THE DEACH KEYNOTE ON THE RESPECTIVE DRAWING. NOTING SYSTEM ON THE DRAWINGS, WITH THE SHALL NOT CONTROL THE CONTRACTOR IN BCONTRACTOR'S OR IN ESTABLISHING THE EXTENT Y ANY TRADE.
NEW JERSEY UNIFORM CONSTRU REPAIRS & RENOVATIONS. CONT	DOCUMENTS HAS BEEN DESIGNED TO MEET THE JCTION CODE, REHABILITATION SUBCODE CHAPTER 6 RACTOR TO PERFORM ALL WORK IN ACCORDANCE
NEW JERSEY UNIFORM CONSTRU REPAIRS & RENOVATIONS, CONT WITH ABOVE MENTIONED CODES. BUILDING DATA CONSTRUCTION CODE:	2021 INTERNATIONAL BUILDING CODE, NEW JERSEY EDITION NJUCC REHABILITATION SUBCODE, CHAPTER 6 5:23-6.5 RENOVATIONS NATIONAL FLECTRICAL CODE (NFPA 70)2020
NEW JERSEY UNIFORM CONSTRU REPAIRS & RENOVATIONS, CONT WITH ABOVE MENTIONED CODES. BUILDING DATA CONSTRUCTION CODE:	2021 INTERNATIONAL BUILDING CODE, NEW JERSEY EDITION NUCC REHABILITATION SUBCODE, CHAPTER 6 5:23-6.5 RENOVATIONS NATIONAL ELECTRICAL CODE (NFPA 70)2020 INTERNATIONAL MECHANICAL CODE/2021 E - EDUCATIONAL IIB (TYPICAL FOR BOTH SCHOOLS)
NEW JERSEY UNIFORM CONSTRU REPAIRS & RENOVATIONS, CONT WITH ABOVE MENTIONED CODES. BUILDING DATA CONSTRUCTION CODE: USE GROUP: CONSTRUCTION TYPE:	2021 INTERNATIONAL BUILDING CODE, NEW JERSEY EDITION NJUCC REHABILITATION SUBCODE, CHAPTER 6 5:23-6.5 RENOVATIONS NATIONAL ELECTRICAL CODE (NFPA 70)2020 INTERNATIONAL MECHANICAL CODE/2021 E - EDUCATIONAL IIB (TYPICAL FOR BOTH SCHOOLS) SPRINKLERED
NEW JERSEY UNIFORM CONSTRU REPAIRS & RENOVATIONS, CONT WITH ABOVE MENTIONED CODES, BUILDING DATA CONSTRUCTION CODE: USE GROUP:	2021 INTERNATIONAL BUILDING CODE, NEW JERSEY EDITION NJUCC REHABILITATION SUBCODE, CHAPTER 6 5:23-6.5 RENOVATIONS NATIONAL ELECTRICAL CODE (NFPA 70)2020 INTERNATIONAL MECHANICAL CODE/2021 E - EDUCATIONAL IIB (TYPICAL FOR BOTH SCHOOLS) SPRINKLERED
NEW JERSEY UNIFORM CONSTRU REPAIRS & RENOVATIONS. CONT WITH ABOVE MENTIONED CODES. BUILDING DATA CONSTRUCTION CODE: USE GROUP: CONSTRUCTION TYPE: SEAVIEW AVENUE ELEMENTARY SO TOTAL BUILDING AREA: BUILDING HEIGHT:	A 2021 INTERNATIONAL BUILDING CODE, NEW JERSEY EDITION NJUCC REHABILITATION SUBCODE, CHAPTER 6 5:23-6.5 RENOVATIONS NATIONAL ELECTRICAL CODE (NFPA 70)2020 INTERNATIONAL MECHANICAL CODE/2021 E - EDUCATIONAL IIIB (TYPICAL FOR BOTH SCHOOLS) SPRINKLERED CHOOL BUILDING AREA: 85,665 S.F. (EXISTING, NO CHANGES) 15'-0" (EXISTING, NO CHANGES)

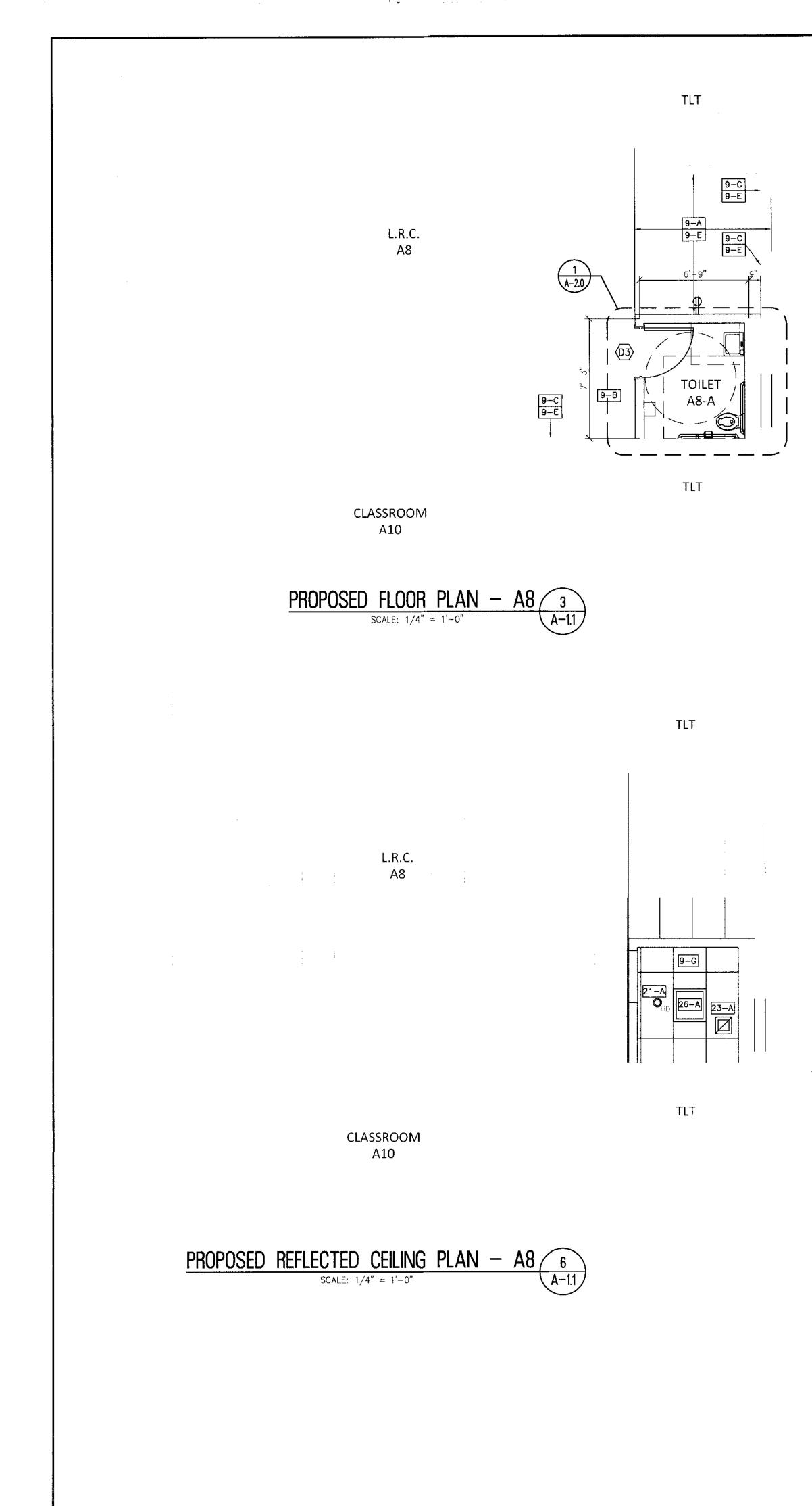


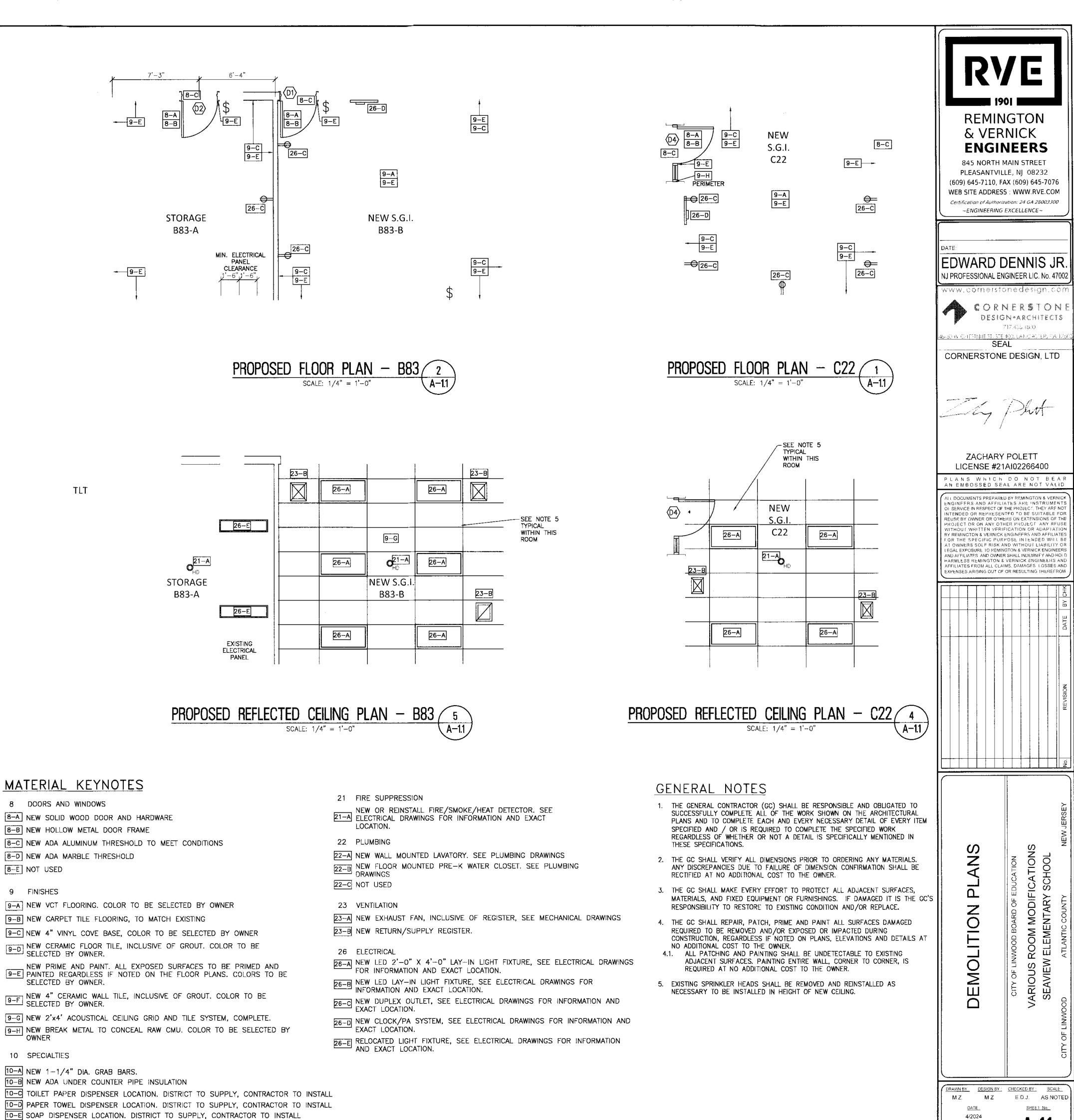


PATCH SLAB AS REQUIRED TO INSTALL NEW FLOORING.

(9) REMOVE EXISTING THRESHOLD, COMPLETE. PATCH SLAB AS REQUIRED TO INSTALL NEW FLOORING.





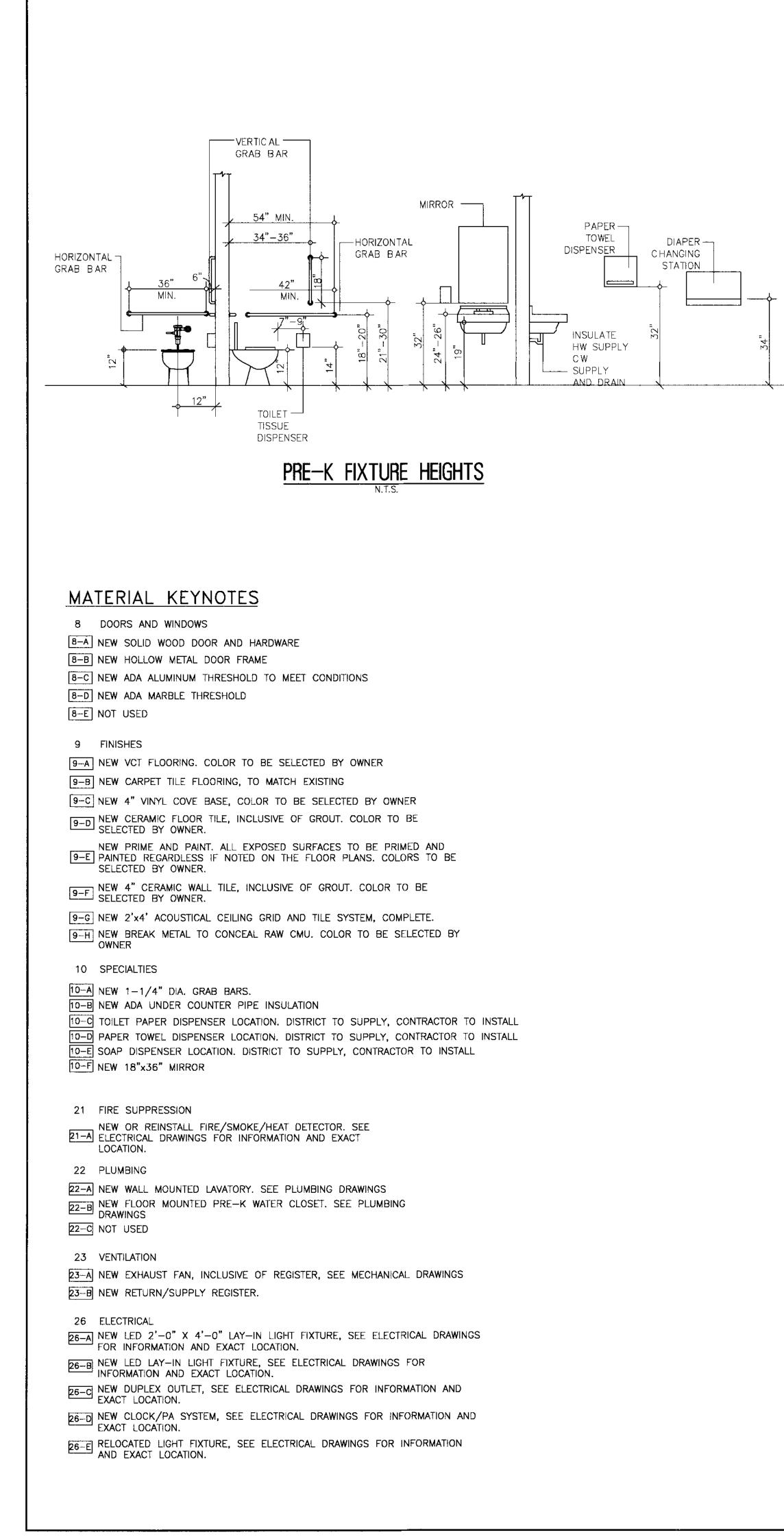


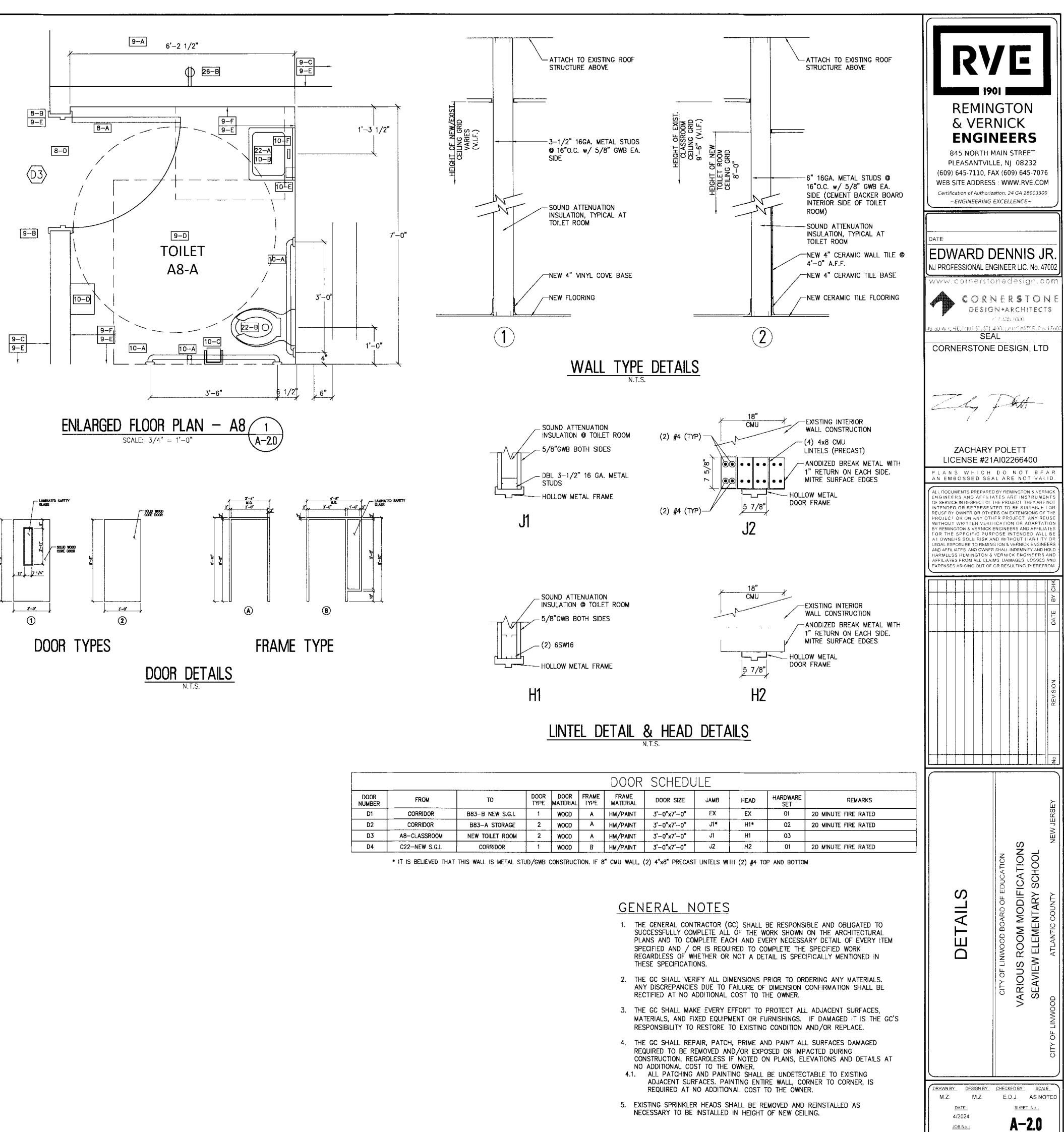
- 9-G NEW 2'x4' ACOUSTICAL CEILING GRID AND TILE SYSTEM, COMPLETE. 9-H NEW BREAK METAL TO CONCEAL RAW CMU. COLOR TO BE SELECTED BY OWNER
- 10 SPECIALTIES

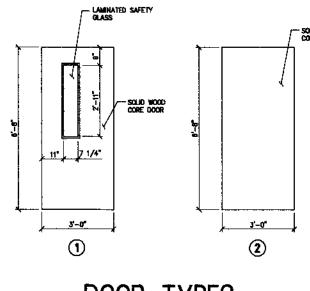
- 10-D PAPER TOWEL DISPENSER LOCATION. DISTRICT TO SUPPLY, CONTRACTOR TO INSTALL
- 10-F NEW 18"x36" MIRROR

A-1.1

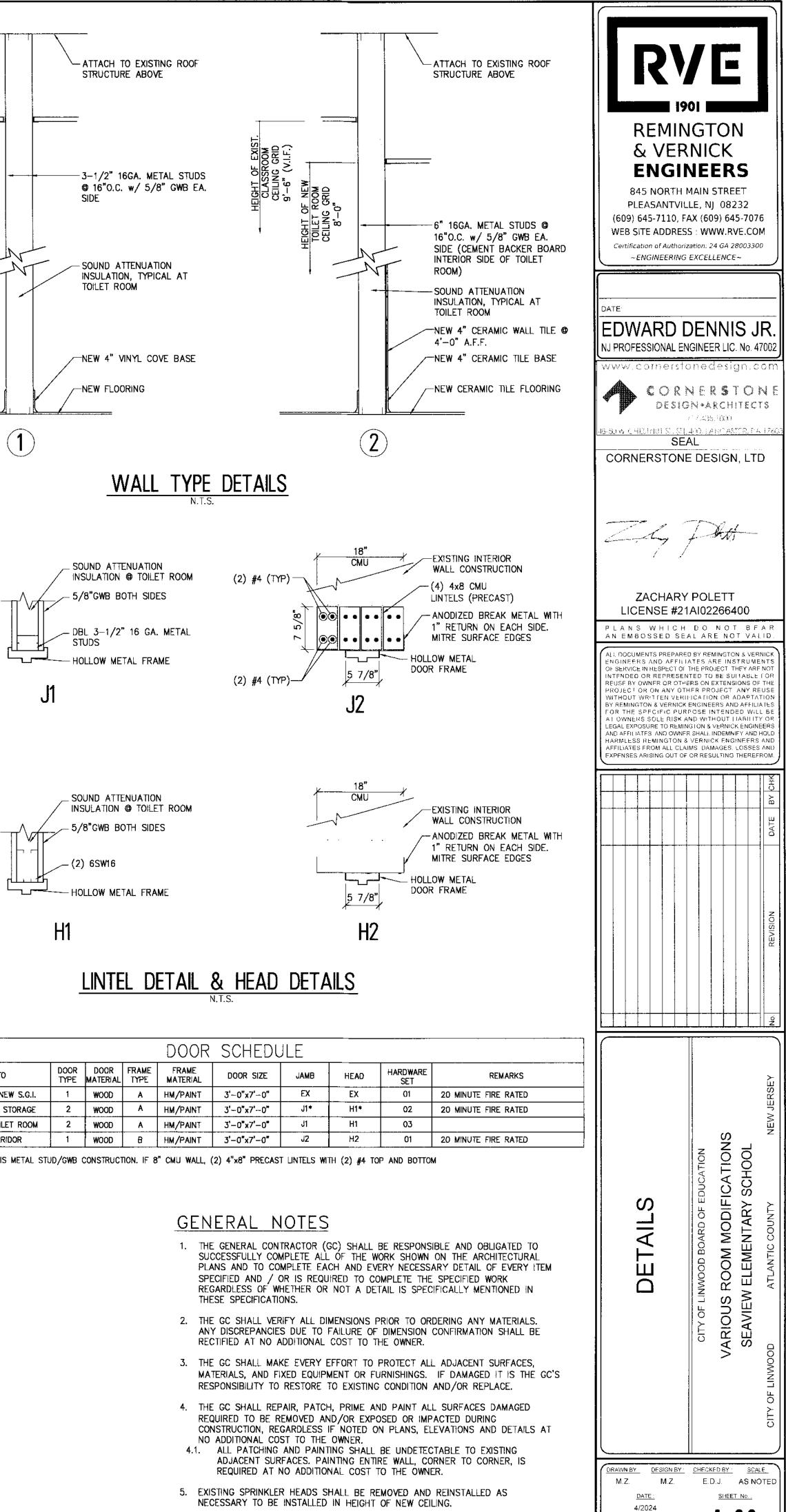
JOB No. 1 01-14-C-019

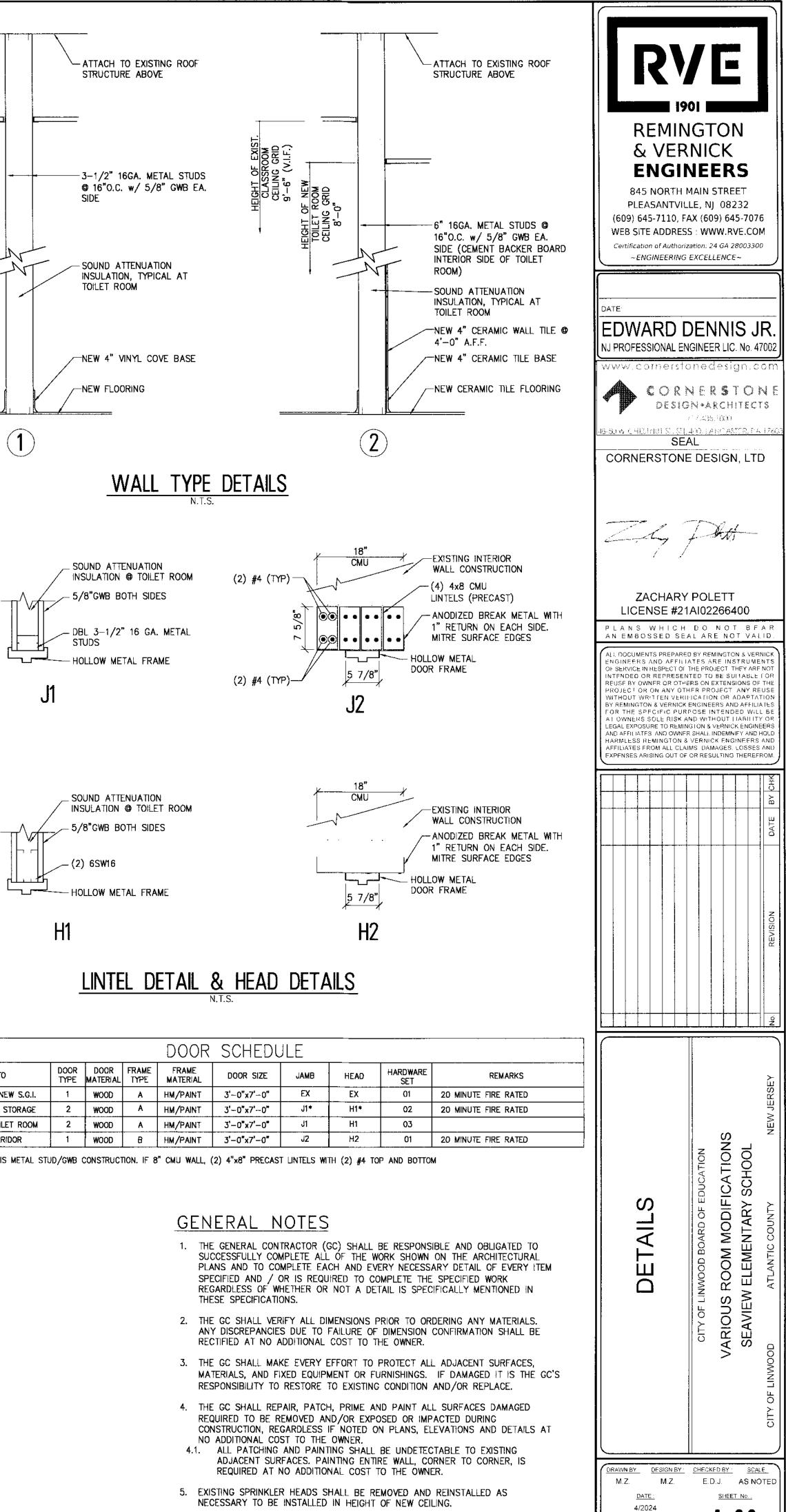












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DOOR NUMBER	FROM	то	DOOR TYPE	м
D1	CORRIDOR	883-B NEW S.G.I.	1	Ι
D2	CORRIDOR	B83-A STORAGE	2	Γ
D3	A8-CLASSROOM	NEW TOILET ROOM	2	Γ
D4	C22-NEW S.G.I.	CORRIDOR	1	Γ

JOB No. : 01-14-C-019

GENERAL N	10	TES
(ALL GENERAL NOTES, SYMBOLS & ABBREVIATIONS MAY NOT BE USED ON THIS PROJECT) 1. EXAMINE JOB SITE AND VERIFY ALL SITE CONDITIONS PRIOR TO SIGNING CONTRACT. BRING ANY DISCREPANCY BETWEEN	16.	AUTOMATIC TEMPERATURE AND SAFETY a. PROVIDE ALL WIRING, RELAYS, CONT. SYSTEM.
THE CONTRACT DOCUMENTS AND THE ACTUAL FIELD CONDITIONS TO THE ATTENTION OF THE ARCHITECT/ENGINEER. 2. THE LOCATION OF EXISTING UTILITIES IS SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PAY FOR AND REPAIR ALL DAMAGES CAUSED BY FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES UNLESS	17.	 b. THERMOSTATS SHALL BE 24 HOUR/ "HEAT/COOL/AUTO/OFF" SWITCHES. FIRE PROTECTION
OTHERWISE INDICATED. 3. THE DRAWINGS ARE DIAGRAMMATIC. COORDINATE IN THE FIELD, WITH THE ARCHITECT AND WITH ALL TRADES, THE EXACT LOCATION OF EQUIPMENT, FIXTURES, VALVES, THERMOSTATS, ETC. AND ROUTING OF PIPING, DUCTWORK, CONDUCT		a. THE QUANTITY AND LOCATION OF SE SCHEMATIC PURPOSES ONLY, THE FI INSTALLING AND COMMISSIONING ALL
ETC. 4. PERFORM WORK IN ACCORDANCE WITH RULES, REGULATIONS, STANDARDS, CODES, ORDINANCES, AND LAWS OF LOCAL, STATE AND FEDERAL GOVERNMENTS AND OTHER AUTHORITIES HAVING JURISDICTION AND BE RESPONSIBLE FOR COMPLIANCE THEREWITH.		IN FULL ACCORDANCE WITH THE NFF JURISDICTION. b. THE FIRE PROTECTION CONTRACTOR
 OBTAIN ALL NECESSARY APPROVALS, PERMITS AND INSPECTIONS. PAY ALL ASSOCIATED FEES. GUARANTEE ALL SYSTEMS AND WORK FOR A PERIOD OF ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE. GUARANTEE REFRIGERATION COMPRESSORS FOR FIVE (5) YEARS. 		FITTINGS, SPRINKLERS, ALARM AND ACCORDANCE WITH ALL APPLICABLE BY ELECTRICAL CONTRACTOR. c. ALL SPRINKLER HEADS SHALL BE LO
7. BEFORE STARTING FABRICATION/ WORK SUBMIT TO ARCHITECT/ENGINEER FOR APPROVAL SIX (6) COMPLETE SETS OF SHOP DRAWINGS AND PRODUCT DATA FROM MANUFACTURERS, SUPPLIERS, ETC.		ALL EXISTING PLUMBING, HVAC AND ELE CONCEALED AND THAT INTERFERE WITH REMOVED, RELOCATED, REROUTED, OR A
 ALL MATERIALS SHALL BE NEW AND OF COMMERCIAL GRADE AND BEAR THE UNDERWRITER'S LABEL WHERE APPLICABLE LOCATE ALL EXISTING UTILITIES AND MAKE SERVICEABLE CONNECTIONS TO SAME. OBTAIN APPROVAL FROM THE BUILDING OWNER'S REPRESENTATIVE PRIOR TO ANY INTERRUPTION OF BUILDING SYSTEMS. 		MATERIALS AND EQUIPMENT THAT ARE / SPECIALTIES AND OTHER MINOR ITEMS; I ALSO BE INCLUDED IN THIS WORK.
 10. OBTAIN APPROVAL FROM THE BOILDING OWNER'S REFRESENTATIVE FROM TO ANT INTERVOLUTION OF DOLDING STOTEME. COORDINATE ACCEPTABLE WORKING HOURS WITH SAME. 11. REMOVE ALL ABANDONED EQUIPMENT, FIXTURES, DUCTWORK, PIPING, CONDUIT, ETC. CAP ALL PIPING ABANDONED IN WALLS. 		EXISTING CONCEALED PLUMBING, HVAC A EXPOSED DUE TO RENOVATION WORK, S PLUMBING DRAWINGS ARE DIAGRAMMATIC
 ALL CUTTING AND PATCHING IS BY RESPECTIVE CONTRACTORS. CORE DRILL OR SAW CUT ALL MASONRY AND RESTORE ALL SURFACES TO ORIGINAL CONDITION. PAINTING AND FINISHING ARE BY THE GENERAL CONTRACTOR. PIPING AND SPECIALTIES 		CLARITY, PROVIDE CLEANOUTS NEAR THE WITH THE LATEST EDITION OF THE NATIO GUARDS SHALL BE PROVIDED WHERE AP
 a. ALL PIPING SHALL CONFORM TO THE REQUIREMENTS OF THE ANSI SAFETY CODE AND BE FREE FROM ALL DEFECTS. b. PROVIDE SLEEVES FOR PIPING THROUGH MASONRY, FIRE RATED WALLS AND SMOKE PARTITIONS. SLEEVES SHALL BE 22 GAUGE OR HEAVIER STEEL, SCHEDULE 40 IN BEARING WALLS. SIZE SLEEVES TO ACCOMMODATE PIPE INSULATION 		AND ROOF HATCH OPENINGS ARE LOCAT AND SUCH EDGE OR OPEN SIDE IS LOC/ GUARD SHALL EXTEND NOT LESS THEN COMPONENTS AND ROOF HATCH OPENIN
WHERE APPLICABLE. PROVIDE UL LISTINGS FOR SLEEVE PACKING. c. PROVIDE PIPE HANGERS TO SUPPORT PIPING FROM BUILDING STRUCTURE TO MAINTAIN REQUIRED SLOPE, PROVIDE FOR EXPANSION AND CONTRACTION, ISOLATE VIBRATION AND RELIEVE EQUIPMENT AND SPECIALITIES FROM STRAIN.		INCHES ABOVE THE ELEVATED SURFACE PREVENT THE PASSAGE OF A 21 INCH- GUARDS SPECIFIED IN THE LATEST EDITI
SPACE HANGERS ACCORDING TO APPLICABLE CODES AND MANUFACTURER'S RECOMMENDATIONS. d. IDENTIFY ALL PIPING WITH SEMIRICID OR ADHESIVE PLASTIC INDICATION MARKERS, EXCEPT WITHIN INACCESSIBLE CHASES. MARKERS SHALL SHOW DIRECTION OF FLOW. MARKERS SHALL BE LOCATED NEXT TO EACH VALVE, AT EACH BRANCH, ON BOTH SIDES OF PIPE PASSAGE THROUGH WALLS AND ON ALL HORIZONTAL PIPING AT 20'	22.	PROVIDE FOR ALL MECHANICAL EQUIPME BALANCE THE NEW AND EXISTING MECH. AIR FLOWS SHOWN ON THE CONTRACT O AND BALANCING CONTRACTOR SHALL BE
 EACH BRANCH, ON BOTH SIDES OF PIPE PASSAGE THROUGH WALLS AND ON ALL HORIZORTAL PIPING AT 20 MAXIMUM INTERVALS. ROUTE ALL PIPING CONCEALED IN WALLS, ABOVE CEILING AND BELOW FLOOR UNLESS OTHERWISE NOTED. RUN PARALLEL WITH BUILDING LINES. 	23.	EVEN IF THEY ARE NOT PROVIDED WITH UNLESS OTHERWISE NOTED CONTRACTOR DUCTS BETWEEN NEW HVAC EQUIPMENT OR EXISTING OUTSIDE AIR LOUVERS. CON
f. PROVIDE DRAIN VALVES & PLUGS AT ALL LOW POINTS SUCH THAT PIPING SYSTEMS CAN BE DRAINED. PROVIDE MANUAL AIR VENT VALVES AT ALL HIGH POINTS IN THE SYSTEM.	24	OPENING THAT IS CREATED OR ENLARGE UNLESS SPECIFICALLY DIRECTED OTHERW
g. PROVIDE BACKFLOW PREVENTION DEVICES AT ALL EQUIPMENT AS REQUIRED BY CODE. UNLESS STATED OTHERWISE PROVIDE CHECK VALVE AND SHUT-OFF VALVE BOTH RATED FOR 250'F DOWN STREAM OF BACKFLOW PREVENTER ON MAKE UP WATER LINE FOR HYDRONIC HEATING HOT WATER SYSTEMS. h. PROVIDE DIELECTRIC UNIONS AT ALL JUNCTIONS OF DISSIMILAR METALS.		VIDEOS AND/ OR PHOTOGRAPHS OF THE FOR REVIEW PRIOR TO START OF DEMOL
I. ALL SHUTOFF VALVES, CONTROL VALVES, ETC. ARE FULL LINE SIZE UNLESS OTHERWISE NOTED. J. INSTALL PIPING ON WARM SIDE OF BUILDING INSULATION. DO NOT INSTALL PIPING WHERE SUBJECT TO FREEZING.		MECH
K. ALL PIPING INSULATION SHALL BE CONTINUOUS THROUGH WALLS AND CEILING OPENINGS, SLEEVES AND PIPE HANGERS.		AD ACCESS DOOR
I. TEST ALL PIPING IN ACCORDANCE WITH APPLICABLE CODES, STANDARDS, AND INSPECTOR'S REQUIREMENTS PRIOR TO INSULATION OR ENCLOSING. m. BALANCE ALL HYDRONIC DEVICES FOR FLOW RATES NOTED ON DRAWINGS. PROVIDE BALANCING REPORT TO		ADJ. ADJACENT AFF ABOVE FINISHED AHU AIR HANDLER UNI
ARCHITECT/ENGINEER. p. UNLESS STATED OTHERWISE IN THE CONTRACT SPECIFICATIONS, PROVIDE A MINIMUM OF ONE (1) ONE AND A HALF (1-1/2")		AP ACCESS PANEL B BOILER BFF BELOW FINISHED (
INCH THICK LAYER OF PREFORMED MINERAL FIBER PIPE INSULATION WITH PREFORMED MINERAL FIBER FITTINGS ON ALL DOMESTIC HOT AND COLD WATER PIPING, HYDRONIC HEATING AND CHILLED WATER SUPPLY AND RETURN PIPING, REFRIGERANT PIPING AND CONDENSATE DRAIN PIPING. INCLUDE A FIELD APPLIED FOIL AND PVC JACKET WITH VAPOR RETARDER AS PART OF THE INSULATION ASSEMBLY.		BFP BACKFLOW PREVE BOD BOTTOM OF DUCT BOL BOTTOM OF LOUV
 UNLESS STATED OTHERWISE ALL UNDERGROUND PIPING SHALL BE INSTALLED WITH POLYETHYLENE ENCASEMENT (PE FOR CORROSION RESISTANCE. 		C CONDENSATE CD CEILING DIFFUSER CEG CEILING EXHAUST
P. UNLESS STATED OTHERWISE ALL FUEL GAS VENT PIPING TO BE SA-53GrB CARBON STEEL ALL VENT PIPING TO BE PRIMED AND FINISH PAINTED IN A COLOR ACCEPTABLE TO THE OWNER. 14. DUCTWORK AND SPECIALTIES		CER CEILING EXHAUST CFH CUBIC FEET PER
a. ALL DUCTWORK TO BE IN ACCORDANCE WITH S.M.A.C.N.A. "H.V.A.C. DUCT CONSTRUCTION STANDARDS", LATEST EDITION. PRESSURE CLASS "B".		CFM CUBIC FEET PER CI CAST IRON CO CLEANOUT
 ALL DUCTWORK TO BE CONSTRUCTED OF GALVANIZED SHEETMETAL. PROVIDE 45 DEGREE COLLARS TO ALL BRANCH CONNECTIONS. PROVIDE TURNING VANES AT ALL ELBOWS 12"×6" OR 		COG CLEANOUT ON GR COND CONDENSATE PIPI CONT CONTINUED
LARGER. PROVIDE STANDARD RADIUS ELBOWS AT ALL ELBOWS SMALLER THAN 12"x6". d. PROVIDE ALL VOLUME DAMPERS REQUIRED TO BALANCE THE SYSTEMS. INSTALL VOLUME DAMPERS AT BRANCH TAKE-OFFS FROM TRUNK.		CRG CEILING RETURN
 PROVIDE CURTAIN TYPE FIRE DAMPERS WHEREVER DUCT PENETRATES FIRE RATED PARTITIONS. UNITS SHALL PROVIDE NOT LESS THAN 90% FREE AREA, PROVIDE ACCESS DOORS AT ALL FIRE DAMPERS. TEST DUCT SYSTEMS FOR AIR TIGHTNESS AND ABSENCE OF AUDIBLE LEAKS BEFORE ENCLOSURE. BALANCE ALL AIR DEVICES FOR AIR QUANTITIES NOTED ON DRAWINGS. PROVIDE BALANCING REPORT TO ARCHITECT / ENGINEER 		CT COOLING TOWER
f. TEST DUCT SYSTEMS FOR AIR TIGHTNESS AND ABSENCE OF AUDIBLE LEAKS BEFORE ENCLOSURE. a. BALANCE ALL AIR DEVICES FOR AIR QUANTITIES NOTED ON DRAWINGS, PROVIDE BALANCING REPORT TO		CTS COOLING TOWER S CU CONDENSING UNIT CUH CABINET UNIT HE
h. FLEXIBLE DUCTS: ALL FLEXIBLE DUCTS SHALL BE IN COMPLIANCE WITH THE LATEST EDITION OF THE INTERNATIONAL		CWS COLD WATER SUP CWS/R CONDENSER WATE DF DRINKING FOUNTA
MECHANICAL CODE. 1. COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL PIPING TRANSITIONS REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION.		DFU DRAINAGE FIXTUR DN DOWN EA EXHAUST AIR
AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION. J. PROVIDE FIRE DAMPERS IN THE DUCTWORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND THE CONTRACT DOCUMENTS.		EWC ELECTRIC WATER
k. UNLESS STATED OTHERWISE IN THE CONTRACT SPECIFICATIONS, PROVIDE A MINIMUM OF ONE (1) TWO AND ONE HALF (2-1/2 INCH THICK LAYER OF MINERAL FIBER BLANKET INSULATION ON ALL NEW INDOOR ROUND AND RECTANGULAR SUPPLY AIR, EXHAUST AIR, RETURN AIR AND OUTDOOR AIR DUCTWORK. INCLUDE A FIELD APPLIED PAPER AND FOIL JACKET WITH VAPOR)	EWH ELECTRIC WATER EX EXISTING FC FLEXIBLE CONNEC FCO FLOOR CLEANOUT
RETARDER AS PART OF THE INSULATION ASSEMBLY. UNLESS STATED OTHERWISE IN THE CONTRACT SPECIFICATIONS, PROVIDE A MINIMUM OF ONE (1) TWO (2") INCH THICK LAYER OF MINERAL FIBER BOARD INSULATION ON ALL NEW OUTDOOR ROUND AND RECTANGULAR SUPPLY AIR, EXHAUST AIR, RETURN AIR AND OUTDOOR AIR DUCTWORK. INCLUDE A WEATHERPROOF FIELD APPLIED 22 GAUGE ALUMINUM JACKET WITH VAPOR		FD FLOOR DRAIN FRG FLOOR RETURN G FRR FLOOR RETURN R G GAS PIPING
RETARDER AS PART OF THE INSULATION ASSEMBLY. COORDINATE FINISH COLOR OF EXTERIOR JACKET WITH THE OWNER. M. UNLESS OTHERWISE NOTED ALL EXPOSED SUPPLY, RETURN AND EXHAUST AIR DUCTWORK SHALL BE PRIMED AND PAINTED. COLOR TO BE DETERMINED BY THE ENGINEER/ OWNER.		GV GRAVITY VENTILA HB HOSE BIBB HO HAND DAMPER
15. EQUIPMENT a. VERIFY ALL ELECTRICAL CHARACTERISTICS WITH ELECTRICAL CONTRACTOR BEFORE ORDERING EQUIPMENT.		HP HEAT PUMP HW HOT WATER HWC HANDICAPPED WA
 b. ALL MECHANICAL EQUIPMENT AND APPLIANCE INSTALLATIONS SHALL BE IN COMPLIANCE WITH THE LATEST EDITION OF THE INTERNATIONAL MECHANICAL CODE, AS WELL AS WITH MANUFACTURER'S RECOMMENDATIONS, c. ALL ELECTRICAL POWER WIRING IS BY ELECTRICAL CONTRACTOR. ALL CONTROL WIRING IS BY RESPECTIVE CONTRACTOR. 		HWG HOT WATER GENE HWH HOT WATER HEAT HWR HOT WATER RETU HWS HOT WATER SUPP
d. PROVIDE OWNER WITH OPERATION AND MAINTENANCE MANUALS FOR INSTALLED EQUIPMENT. INCLUDE CONTRACTOR'S SUPPLIER'S AND MANUFACTURER'S NAMES, ADDRESS AND TELEPHONE NUMBERS.	i,	HX HEAT EXCHANGER L LOUVER LAV LAVATORY
e. SUPPLY STARTERS AND DISCONNECTS WITH EQUIPMENT. f. PROVIDE CONCRETE PADS FOR FLOOR MOUNTED EQUIPMENT, PADS SHALL BE A MINIMUM 4" HIGH AND SHALL ENTERING OF REVENUE FOR MOUNTED EQUIPMENT, PADS SHALL BE A MINIMUM 4" HIGH AND SHALL		LBG LINEAR BAR GRIL LD LINEAR DIFFUSER LF LINEAR FEET
EXTEND 6" BEYOND EQUIPMENT ON ALL SIDES. g. LABELING: ALL MECHANICAL EQUIPMENT AND APPLIANCES SHALL BEAR LABELING IN COMPLIANCE WITH THE LATEST VERSION OF THE INTERNATIONAL MECHANICAL CODE.		
h. UNLESS NOTED OTHERWISE, ALL HYDRONIC SYSTEMS BOILER/ CHILLED WATER SHALL BE PROVIDED WITH A NEW BLADDER TYPE EXPANSION TANK AS REQUIRED. TANK TO BE SIZED FOR EACH SYSTEM BASED UPON TANK		
MANUFACTURER'S RECOMMENDATIONS. I. UNLESS OTHERWISE NOTED CONTRACTOR IS RESPONSIBLE TO FURNISH AND INSTALL PROPYLENE GLYCOL ANTI FREEZE FOR ALL HYDRONIC HEATING AND COOLING SYSTEMS. THE CONTRACTOR SHALL SUPPLY A 35% CONCENTRATION OF PROPYLENE GLYCOL IN SOLUTION FOR CHILLED WATER COOLING SYSTEMS AND A 25% CONCENTRATION OF PROPYLENE GLYCOL IN SOLUTION FOR HOT WATER HEATING SYSTEMS. PROPYLENE GLYCOL ANTI CONCENTRATION OF PROPYLENE GLYCOL IN SOLUTION FOR HOT WATER HEATING SYSTEMS. PROPYLENE GLYCOL ANTI CONCENTRATION OF PROPYLENE GLYCOL IN SOLUTION FOR HOT WATER HEATING SYSTEMS. PROPYLENE GLYCOL ANTI CONCENTRATION OF PROPYLENE GLYCOL IN SOLUTION FOR HOT WATER HEATING SYSTEMS. PROPYLENE GLYCOL ANTI		
FREEZE SHALL BE COMPATIBLE WITH ALL MATERIALS OF THE HYDRONIC SYSTEM (PIPING, VALVES, PUMPS, CHILLER, BOILER, ETC.) AS WELL AS ALL TERMINAL EQUIPMENT.		

ND SAFETY CONTROLS

. . . .

LAYS, CONTACTS, TRANSFORMERS, ETC. REQUIRED TO DELIVER A COMPLETE OPERABLE

24 HOUR/7 DAY PROGRAMMABLE WITH FAN "OFF/ON/AUTO" AND SYSTEM SWITCHES. VERIFY OPERATION OF ALL FUNCTIONS.

ATION OF SPRINKLERS SHOWN ON THE DRAWINGS ARE APPROXIMATE AND INTENDED FOR NLY. THE FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING. SIONING ALL NECESSARY SPRINKLERS, PIPE, EQUIPMENT AND APPURTENANCES NECESSARY, ITH THE NEPA AND APPROVED BY THE ENGINEER AND ALL AUTHORITIES HAVING

ONTRACTOR SHALL PROVIDE DETAILED DESIGN DRAWINGS, HYDRAULIC CALCULATIONS, PIPING, LARM AND MONITORING DEVICES, SIGNAGE AND APPURTENANCES COMPLETE AND IN FULL APPLICABLE BUILDING CODES AND NFPA 13 & 14. ALL WIRING OF DEVICES SHALL BE DONE

SHALL BE LOCATED AT THE CENTER POINT OF ALL ACOUSTICAL CEILING TILES. AC AND ELECTRICAL EQUIPMENT AND MATERIALS THAT ARE EITHER EXPOSED OR FERE WITH ALTERED EXISTING BUILDING ARRANGEMENTS AND NEW SYSTEMS SHALL BE UTED, OR ABANDONED. DRAWINGS GENERALLY INDICATE MAJOR ITEMS OF EXISTING THAT ARE AFFECTED. IT IS NOT POSSIBLE TO INDICATE ALL RELATED ACCESSORIES, IOR ITEMS; HOWEVER, THEIR REMOVAL, RELOCATION, REPOUTING AND ABANDONMENT SHALL WORK.

ING, HVAC AND ELECTRICAL EQUIPMENT AND MATERIALS THAT ARE TO REMAIN BUT BECOME ON WORK, SHALL BE RELOCATED AND RECONNECTED AS PART OF THIS WORK. AGRAMMATIC. ALL DEVICES & FITTINGS MAY NOT BE SHOWN ON THE DRAWINGS FOR S NEAR THE BASE OF ALL VERTICAL WASTE & STORM WATER STACKS IN ACCORDANCE THE NATIONAL STANDARD PLUMBING CODE.

WHERE APPLIANCES, EQUIPMENT, FANS OR OTHER COMPONENTS THAT REQUIRE SERVICE ARE LOCATED WITHIN 12 FEET OF A ROOF EDGE OR OPEN SIDE OF A WALKING SURFACE SIDE IS LOCATED MORE THEN 30 INCHES ABOVE THE FLOOR, ROOF OR GRADE BELOW. THE ESS THEN 30 INCHES BEYOND EACH END OF SUCH APPLIANCES, EQUIPMENT, FANS, TCH OPENINGS AND THE TOP OF THE GUARD SHALL BE LOCATED NOT LESS THEN 42 SURFACE ADJACENT TO THE GUARD. THE GUARD SHALL BE CONSTRUCTED SO AS TO 21 INCH-DIAMETER SPHERE AND SHALL COMPLY WITH THE LOADING REQUIREMENTS FOR ATEST EDITION OF THE INTERNATIONAL BUILDING CODE.

AL EQUIPMENT - FAN AND MOTOR PULLEYS, SHEAVES, BELTS AND LABOR REQUIRED TO STING MECHANICAL EQUIPMENT TO THE SPECIFIED SUPPLY, RETURN, EXHAUST AND OUTSIDE CONTRACT DOCUMENTS AT NO ADDITIONAL COST TO THE OWNER. THE TESTING, ADJUSTING SHALL BE RESPONSIBLE FOR PROVIDING ALL REQUIRED PULLEYS, SHEAVES AND BELTS OVIDED WITH THE EQUIPMENT BY THE MANUFACTURER.

CONTRACTOR IS RESPONSIBLE TO FURNISH AND INSTALL ALL CONNECTION/ TRANSITION EQUIPMENT (UNIT VENTILATORS, BLOWER COILS, FAN COILS, AIR HANDLERS, ETC.) AND NEW DUVERS. CONTRACTOR IS ALSO RESPONSIBLE FOR REINFORCING ANY OUTSIDE AIR LOUVER OR ENLARGED TO ACCOMMODATE THE NEW INSTALLATION.

TED OTHERWISE THE CONTRACTOR SHALL SUBMIT PRE-DEMOLITION / PRE-CONSTRUCTION PHS OF THE EXISTING CONDITIONS IN THE PROPOSED AREA OF WORK TO THE ENGINEER F OF DEMOLITION / CONSTRUCTION WORK.

MECHANICAL ABBREVIATIONS

SS DOOR	LRG	LINEAR RETURN GRILLE
CENT	LSR	LINEAR SUPPLY REGISTER
E FINISHED FLOOR	MD	MOTORIZED DAMPER
ANDLER UNIT	MH	MANHOLE
SS PANEL	MSB	MOP SERVICE BASIN
R	MUA	MAKE-UP AIR UNIT
W FINISHED FLOOR		MIXING VALVE (THERMOSTATIC)
FLOW PREVENTOR		NORMALLY CLOSED
OM OF DUCT		NORMALLY OPEN
OM OF LOUVER	NTS	
ENSATE	OA	OUTSIDE AIR
NG DIFFUSER	P	OUTSIDE AIR PUMP
NG EXHAUST GRILLE	RA	RETURN AIR
NG EXHAUST REGISTER	RD	ROOF DRAIN
C FEET PER HOUR		RADIANT HEATER
C FEET PER MINUTE	PPRP	REDUCED PRESSURE BACKFLOW PREVENTOR
RON	RWC	RAIN WATER CONDUCTOR
NOUT	S	SINK /SANITARY PIPING
NOUT NOUT ON GRADE	5-02'	REDUCED PRESSURE BACKFLOW PREVENTOR RAIN WATER CONDUCTOR SINK/SANITARY PIPING SLOPE SUPPLY AIR SPLITTER DAMPER
NOUT ON GRADE DENSATE PIPING INUED	SA	
	20	
NG RETURN GRILLE	50	SHOWER
NG KETUKIN GRILLE	571	SPRINKLER PIPING
NG RETURN REGISTER	Sr	SPRNYRLER PIPING
		SOIL STACK
ING TOWER	ST	STORM PIPING
ING TOWER RETURN	STM	STEAM PIPING
ING TOWER SUPPLY	SV SW	STACK VENT
ENSING UNIT		SAFEWASTE
NET UNIT HEATER	T	TUB
WATER SUPPLY		TRANSFER AIR GRILLE
ENSER WATER SUPPLY/RETURN		TOP OF DUCT
KING FOUNTAIN		TRAP PRIMER
NAGE FIXTURE UNITS	IR	TRANSITION
1	TWR	TEMPERED WATER RETURN
UST AIR	TWS	TEMPERED WATER SUPPLY
TRIC BASEBOARD HEATER	TYP	TYPICAL
UST FAN	UH	UNIT HEATER
TRIC WATER COOLER	UR	URINAL
TRIC WATER HEATER	V	VENT PIPING
ING	VAV	VARIABLE AIR VOLUME
BLE CONNECTION/FAN COIL	VD	VOLUME DAMPER
R CLEANOUT	VIF	VERIFY IN FIELD
R DRAIN	VS	VENT STACK
R RETURN GRILLE	VTR	VENT THRU ROOF
R RETURN REGISTER	WC	WATER CLOSET
PIPING	WCO	WALL CLEANOUT
TY VENTILATOR	WEG	WALL EXHAUST GRILLE
8 BB	WER	
DAMPER	WHA	
PUMP	WHY	
WATER	WMS	WIREMESH SCREEN
CAPPED WATER CLOSET	WRG	WALL RETURN GRILLE
WATER GENERATOR	WRR	WALL RETURN REGISTER
WATER HEATER	WSEI	WALL SUPPLY FIXTURE UNIT
WATER RETURN		WALL SUPPLY GRILLE
WATER SUPPLY		WALL SUPPLY REGISTER
EXCHANGER	non	TRUE SUFFLI REVISIEN
EAUNANGER		

TORY R BAR GRILLE R DIFFUSER PEET

PROPOSED MECHANICAL SYMBOLS

FC	EQUIPMENT MARK (TYPE FC, NUMBER 1)	SD
	(THE TO, NOWBER TY	
<u>B2</u>	SECTION INDICATOR (SECTION B2 ON	
\bigcirc	DWG)	*· <u></u>
(B2)	DETAIL INDICATOR (DETAIL B2 ON DWG)	-1 1-
	KEY NOTE INDICATOR (REFERS TO	-7 3
2	NOTES ON SAME SHEET)	
\triangle	REVISIONS INDICATOR	-1>+
HWS-1	PIPE RISER	-
\square	(RISER HWS-11 ON DWG)	
(E-T)	DUCT RISER	-1/
(A/150 S)	(RISER E-1 ON DWG) DIFFUSER/REGISTER/GRILLE MARK	-(M)
	(TYPE A, 150 CFM, DIRECTION)	_ <u>_</u>
ŪŪ	DOOR UNDERCUT	P
7	TRANSFER AIR	
Φ	DIAMETER	-0-
•	CONNECTION TO EXISTING	co ⊧ co
•	POINT OF DISCONNECTION	
516×10 -5	FLAT OVAL DUCT DIMENSION	FD C
	INSIDE DUCT DIMENSION (IN INCHES,	Y
<u></u>	FIRST DIMENSION IS AS VIEWED)	
22	SOUND LINED DUCTWORK	+
	SUPPLY DUCT TURNED UP	
$\mathbf{\Sigma}$	SUPPLY DUCT TURNED DOWN	
	RETURN/EXHAUST DUCT TURNED UP	
<u>{</u>	RETURN/EXHAUST DUCT TURNED	······································
R 3m	DOWN SQUARE ELBOW (WITH TURNING	
	VANES)	
	ROUND ELBOW SPIN-IN WITH VOLUME DAMPER FOR	0
	ROUND DUCT	c
5	TAKE OFF WITH VOLUME DAMPER FOR RECTANGULAR DUCT	- \$к
<u></u>	OPEN END DUCT WITH WMS	
	FLEXIBLE DUCTWORK (SINGLE LINE)	
	FLEXIBLE DUCTWORK (DOUBLE LINE)	
		C
斑	SUPPLY DIFFUSER SUPPLY AIR DIFFUSER WITH 3 DIRECT	
E	DISCHARGE (BLACK TRIANGLE INDICAT BLANK OFF)	ED 🔘
	RETURN/EXHAUST REGISTER OR GRILLE	Õ
9 5 33	SLOT DIFFUSER WITH PLENUMS	_
1713	EXHAUST FAN	Δ
		——RS
	ELECTRIC BASEBOARD	RL-
	VOLUME DAMPER (MANUAL)	······································
8	BACKDRAFT DAMPER	1
— \$	FIRE DAMPER	
{M	MOTORIZED DAMPER	- 1 7-
	MOTORIZED SMOKE/FIRE DAMPER	-15
õ	CARBON MONOXIDE SENSOR	-5
(0) (1)		
(T)	THERMOSTAT	
®	HUMIDISTAT	.椟
\$	SENSOR	÷
00	DUCT DETECTOR	-\$ <u>k</u>
- 6 -	BALL VALVE	×
	BUTTERFLY VALVE	*
Ъ.		-0-
Å T	GATE VALVE	
B	EMERGENCY BOILER SHUTOFF	-8
SA		1
	SOUND ATTENUATOR	
~		1
$\mathbf{\nabla}$	PRESSURE/TEMPERATURE TEST PLUG	4
<u> </u>	PRESSURE/TEMPERATURE TEST PLUG	ちは
<u> </u>	PRESSURE GAUGE	キ 内 は
- - - - - - - - - - - - - -	PRESSURE GAUGE GAUGECOCK	をまずは
 ♀ ↓ ↓	PRESSURE GAUGE	可素素了这
	PRESSURE GAUGE GAUGECOCK	対な来なた
	PRESSURE GAUGE GAUGECOCK THERMOMETER	
	PRESSURE GAUGE GAUGECOCK THERMOMETER PRESSURE TEMPERATURE TAP	魏赵赵松朱月江
	PRESSURE GAUGE GAUGECOCK THERMOMETER PRESSURE TEMPERATURE TAP EXISTING HYDRONIC CONTROL VALVE HOSE BIBB DRAIN VALVE	► 弦 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
م≫ بر -	PRESSURE GAUGE GAUGECOCK THERMOMETER PRESSURE TEMPERATURE TAP EXISTING HYDRONIC CONTROL VALVE HOSE BIBB DRAIN VALVE INSULATED PIPE	国家文艺学校
م ج الج الح	PRESSURE GAUGE GAUGECOCK THERMOMETER PRESSURE TEMPERATURE TAP EXISTING HYDRONIC CONTROL VALVE HOSE BIBB DRAIN VALVE INSULATED PIPE VERTICAL VALVE	国家文艺学校
م≫ بر -	PRESSURE GAUGE GAUGECOCK THERMOMETER PRESSURE TEMPERATURE TAP EXISTING HYDRONIC CONTROL VALVE HOSE BIBB DRAIN VALVE INSULATED PIPE	国家文艺学校
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K 8 ↓ ↓	PRESSURE GAUGE GAUGECOCK THERMOMETER PRESSURE TEMPERATURE TAP EXISTING HYDRONIC CONTROL VALVE HOSE BIBB DRAIN VALVE INSULATED PIPE VERTICAL VALVE CIRCUIT SETTER	建
K 8 ↓ ↓	PRESSURE GAUGE GAUGECOCK THERMOMETER PRESSURE TEMPERATURE TAP EXISTING HYDRONIC CONTROL VALVE HOSE BIBB DRAIN VALVE HOSE BIBB DRAIN VALVE INSULATED PIPE VERTICAL VALVE CIRCUIT SETTER FLOW METER (MAGNETIC)	国旗文艺学校

<u>AL 5</u>	VIMBUL2		
]	SUCTION DIFFUSER		DOMESTIC HOT WA
••	PIPE ANCHOR	SAN	SANITARY SEWER
<u></u>	PIPE GUIDE	SAN	SANITARY SEWER E
-	UNION	—sī —	STORM SEWER
÷	VACUUM BREAKER	ST	STORM SEWER BEL
	CAP AND VALVED	V	PLUMBING VENT
-	CONCENTRIC REDUCER	D	DRAIN PIPE
_	ECCENTRIC REDUCER STRAIGHT INVERT	——F——	FIRE PROTECTION F
⊢ ⊢•	ECCENTRIC REDUCER STRAIGHT CROWN		CHEMICAL FEED PI
_	METER (SEE CONNECTED PIPING	—EX	EXPANSION TANK
	FOR TYPE OF SERVICE) CHAIN OPERATOR		HEATING HOT WAT
	MOTOR OPERATOR	HHWR	HEATING HOT WATE
5	FLOAT	CHWS	CHILLED WATER SU
_	PUMP		CHILLED WATER RE
00	CLEANOUT		CONDENSER WATER PIPE
	FLOOR DRAIN WITH P-TRAP		CONDENSER WATER
	FUNNEL DRAIN	COND	CONDENSATE WATE
<i>.</i>	TRAP	—— A ——	COMPRESSED AIR
нв	HOSE BIBB	VAC	VACUUM PIPE
FPH8	FROSTPROOF HOSE BIBB	G	NATURAL GAS PIPE
_	WATER HAMMER ARRESTOR	AW	ACID WASTE PIPING
	PITCH PIPE DOWN IN DIRECTION OF ARROW	FO	FUEL OIL PIPING
	TEE TURN UP		
.	TEE TURNED DOWN		DOUBLE CHECK VAL
	PIPE TURNED UP		REDUCED PRESSURE WITH GATE VALVES
	PIPE TURNED DOWN	Ho Mont	REDUCED PRESSURE WITH BALL VALVES
	KEY SWITCH	· · ·	DOUBLE CHECK VAL
-	BUSHING		WITH BALL VALVES
-	FLEXIBLE PIPE CONNECTION		
2	MANUAL AIR VENT		
	CONCEALED SPRINKLER HEAD		
	PENDANT SPRINKLER HEAD		
	UPRIGHT SPRINKLER HEAD		
	SIDEWALL SPRINKLER HEAD		
	REFRIGERANT SUCTION ROUTE		
	REFRIGERANT LIQUID ROUTE		
	DOMESTIC COLD WATER PIPE		
	BUND FLANGE END CONNECTION		
4	LOOK SUCED ONTE VALVE		
₽	LOCK SHIELD GATE VALVE		
₽ ,	GLOBE VALVE		
⊢	ANGLE GLOBE VALVE		
<u> </u>	PLUG VALVE		
÷	OS & Y GATE VALVE		
\$- }-	2-WAY CONTROL VALVE		
hp	PRESSURE RELIEF VALVE		
مر طر	TEMPERATURE & PRESSURE		
~~~ L	RELIEF VALVE CALIBRATED BALANCE VALVE		
<u>.</u>	AUTOMATIC FLOW CONTROL VALVE		
ŀ	SWING CHECK VALVE		
r F	SPRING LOADED CHECK VALVE		
r F	ALARM CHECK VALVE		
	COMBINATION CHECK/BALANCE/		
⁺ ≯	SHUT OFF VALVE NEEDLE VALVE		
Z	PRESSURE REGULATOR		
<b>-</b>	BACK PRESSURE REGULATOR		
F	DIAPHRAGM VALVE		
	SOLENOID VALVE		

CONNECTION
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FLOW SWITCH

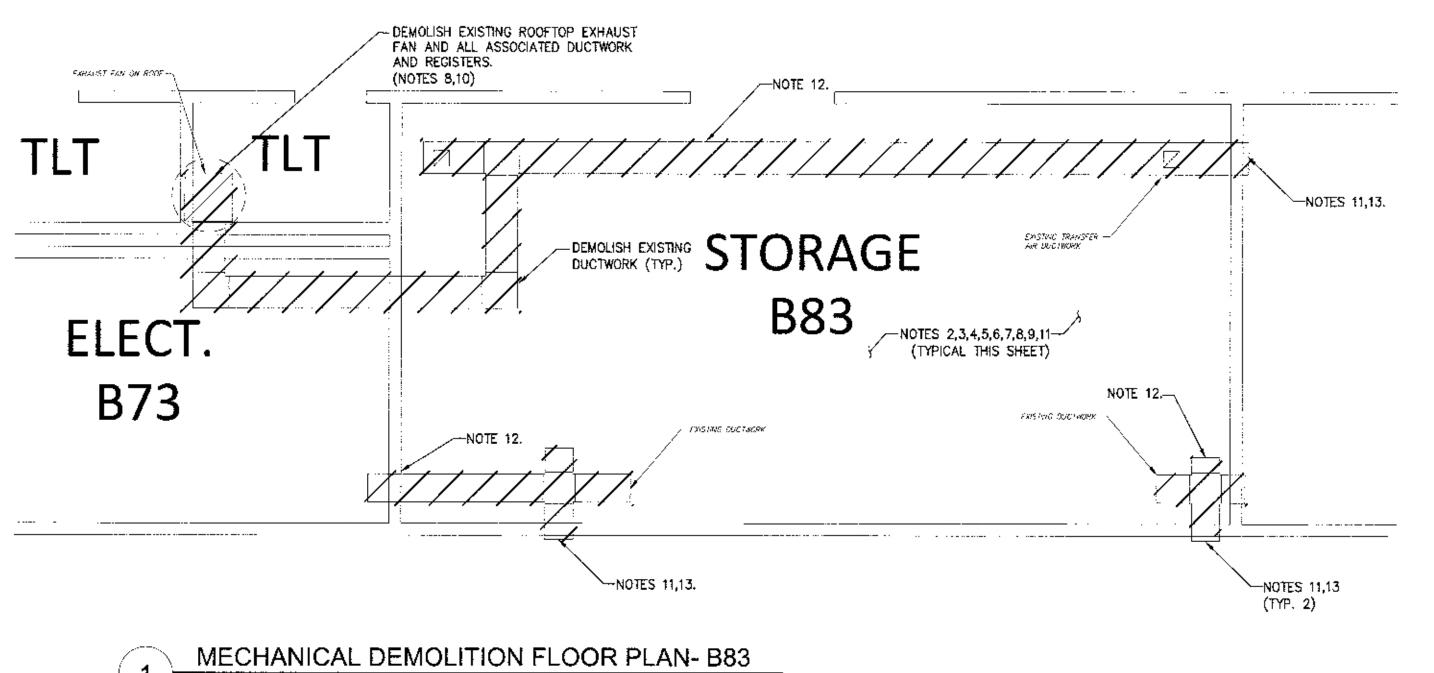
STRAINER

- PRESSURE SWITCH
- VALVE MONITOR SWITCH
- BLOW-OFF STRAINER
- ----- DOMESTIC HOT WATER PIPE

--- DOMESTIC HOT WATER RETURN PIPE --- SANITARY SEWER SANITARY SEWER BELOW GRADE OR SLAB STORM SEWER STORM SEWER BELOW GRADE OR SLAB PLUMBING VENT DRAIN PIPE FIRE PROTECTION PIPE CHEMICAL FEED PIPE EXPANSION TANK PIPE HEATING HOT WATER SUPPLY PIPE HEATING HOT WATER RETURN PIPE CHILLED WATER SUPPLY PIPE CHILLED WATER RETURN PIPE CONDENSER WATER SUPPLY PIPE CONDENSER WATER RETURN PIPE CONDENSATE WATER PIPING COMPRESSED AIR PIPE VACUUM PIPE NATURAL GAS PIPING ACID WASTE PIPING

DOUBLE CHECK VALVE TYPE BACKFLOW PREVENTER WITH GATE VALVES REDUCED PRESSURE ZONE BACKFLOW PREVENTER WITH GATE VALVES REDUCED PRESSURE ZONE BACKFLOW PREVENTER DOUBLE CHECK VALVE TYPE BACKFLOW PREVENTER WITH BALL VALVES

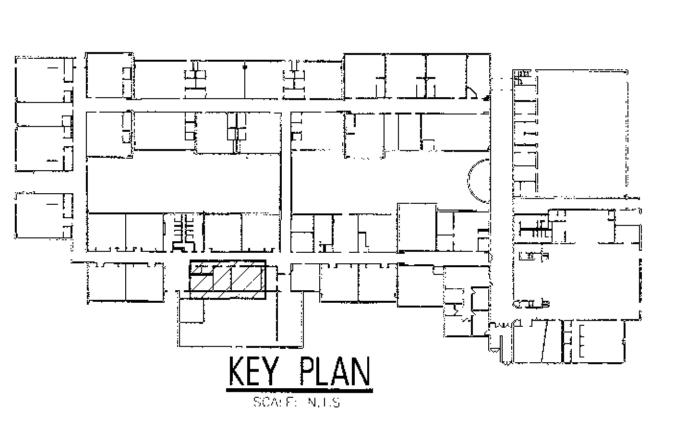
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INTENDED OR REPRESEN REUSE BY DWNER OR OTHE PROJECT OR ON ANY OTHE WITHOUT WRITTEN VERIF BY REMINGTON & VERNICK I FOR THE SPECIFIC PURI AND AFRENTES: AND OWNER HARMLESS REMINGTON & AFFILIATES FROM ALL CLAP EXPENSES ARISING OUT OF	ERSION HEALPR FICATIO ENGINE POSE ND WIT GTON & SHALL VERNI MS. DA	EXTENS OJECT. ON OR A ERS AND NTENOI NOUT L VERNICI «NDEMMI CK FINGI MAGES, 1	CONSIGNATION ANY RE DAPTA DAFFILI ED WIS IABILIS CENGIN FY AND INFERS LOSSES	THE FUSE FION ATES I BE Y OR EERS MOLD AND AND
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MECHANICAL	CITY OF LINWOC	<b>RIOUS RO</b>	EAVIEW ELI	ATU
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B.K. B.K	Control TE	KED RY .	SCA AS NO	
 <u>0AFE :</u> 5/2024 <u>JCB No :</u> 01:44-C-019		steet M-'		



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

## NOTES:

- ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING M-1.0 APPLY TO THIS DRAWING. 1. 2. THIS DEMOLITION PLAN HAS BEEN PROVIDED AS A GUIDE. HOWEVER, ALL DEMOLITION REQUIRED TO SUCCESSFULLY COMPLETE THIS PROJECT SHALL BE INCLUDED IN THE SCOPE OF WORK. IT IS THE INTENT OF THE PLANS AND SPECIFICATIONS TO SECURE A COMPLETELY INTERCONNECTED AND FUNCTIONING SYSTEM AND IF ANY WORKMANSHIP OR MATERIALS BE REQUIRED WHICH ARE OBVIOUSLY NECESSARY TO CARRY OUT THE FULL INTENT AND MEANING OF THE PLANS AND SPECIFICATIONS OR TO BE REASONABLY INFERRED THEREFROM, THE COST
- OF SUCH WORKMANSHIP OR MATERIALS SHALL BE INCLUDED IN THE SCOPE OF WORK. 3. COORDINATE THE DEMOLITION OF THE EXISTING MECHANICAL EQUIPMENT WITH OWNER, OWNER SHALL RESERVE THE RIGHT TO RETAIN SALVAGED EQUIPMENT. ALL EQUIPMENT NOT RETAINED BY THE OWNER SHALL BE DISPOSED OF BY THE CONTRACTOR.
- 4. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING & REPLACING ANY OR ALL FIXTURES AND/OR AREAS OF THE CEILING, FLOOR OR WALL
- SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THEIR ORIGINAL CONDITION.
- DETECTION IS TEMPORARILY REMOVED. 6. COORDINATE THE DEMOLITION OF THE EXISTING MECHANICAL EQUIPMENT WITH THE ELECTRICAL CONTRACTOR. SEE THE ELECTRICAL DRAWINGS
- AND SPECIFICATIONS FOR ADDITIONAL DETAILS. 7. CONTRACTOR SHALL PATCH, SEAL, AND REPAIR ALL WALL OR FLOOR OPENINGS AS A RESULT OF THE DEMOLITION WORK IF THE OPENING IS NOT TO BE REUSED. MAINTAIN A 1-HR FIRE RESISTANCE RATING UNLESS OTHERWISE NOTED, CONTRACTOR SHALL MATCH EXISTING CONSTRUCTION.
- 8. PRIOR TO THE START OF DEMOLITION WORK, MEASURE AND RECORD THE EXISTING AIR FLOW FOR THE EXHAUST REGISTER. A REPORT SHALL BE SUBMITTED TO THE ENGINEER SUMMARIZING THE AIR FLOWS. ALL TESTING AND MEASUREMENT WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- 9. TEMPORARILY SUPPORT EXISTING CATS CABLING AND OTHER EXISTING WIRING/CABLING THAT IS NOT ASSOCIATED WITH EXISTING EQUIPMENT. 10. DEMOLISH EXISTING EXHAUST AIR FAN AND ALL ASSOCIATED DUCTWORK, DUCT INSULATION, GRILLES/ REGISTERS/ DIFFUSERS, DAMPERS, DUCT MOUNTED DEVICES, CONTROLS, CONTROL WIRING, ETC. WHERE ROOF MOUNTED EXHAUST AIR FANS ARE DEMOLISHED, SEAL TOP OF
- ROOF CURB AIR AND WATERTIGHT WITH AN INSULATED METAL PANEL. 11. PATCH AND REPAIR WALL OPENING WHERE EXISTING DUCTWORK HAS BEEN DEMOLISHED. REPAIRED WALLS SHALL MATCH THE FIRE RATING OF THE EXISTING WALLS.
- SPACES, WALL SHALL BE RESTORED TO A CONDITION EQUAL OR BETTER THAN ITS ORIGINAL CONDITION. 13. DEMOLISH EXISTING EXHAUST GRILLE.



12. SEAL ALL WALL OPENINGS FOR DEMOLISHED THERMOSTATS, GRILLES/ REGISTERS/ DIFFUSERS, ETC., PREVIOUSLY EXPOSED IN OCCUPIED

DAMAGED AS A RESULT OF THE NEW/DEMOLITION WORK. REPAIRED & REPLACED FIXTURES AND PORTIONS OF THE CEILING, FLOOR, OR WALL

5. CONTRACTOR SHALL TEMPORARILY REMOVE ALL EXISTING FIRE ALARM DEVICES. REINSTALL IN ORIGINAL LOCATION AFTER NEW CEILINGS HAVE

BEEN INSTALLED THE FIRE ALARM SYSTEM SHALL BE KEPT IN SERVICE DURING CONSTRUCTION. PROVIDE A FIRE WATCH FOR AREAS WHERE

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DEMOLITION PLAN

IANICAL I FLOOR

CH

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DRAWN BY : DESIGN BY

B.K. B.K.

DATE :

5/2024

308 No. . 01-14-C-019

ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID. ENGINEERS AND AFFILIATES ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT, ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REVINGTON & VERNICK ENGINEERS AND AFFILIATES

FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES: AND OWNER SHALL INDEMNIFY AND HOLD HARMI CSS REVINGTON & VERNICK ENGINEERS AND AFFICIATES FROM ALC CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

NJ PROFESSIONAL ENGINEER LIC. No. 40059

REMINGTON & VERNICK ENGINEERS 845 NORTH MAIN STREET PLEASANTVILLE, NJ 08232 (609) 645-7110, FAX (609) 645-7076 WEB SITE ADDRESS : WWW.RVE.COM Certification of Authorization, 24 GA 28003300

~ENGINEERING EXCELLENCE~

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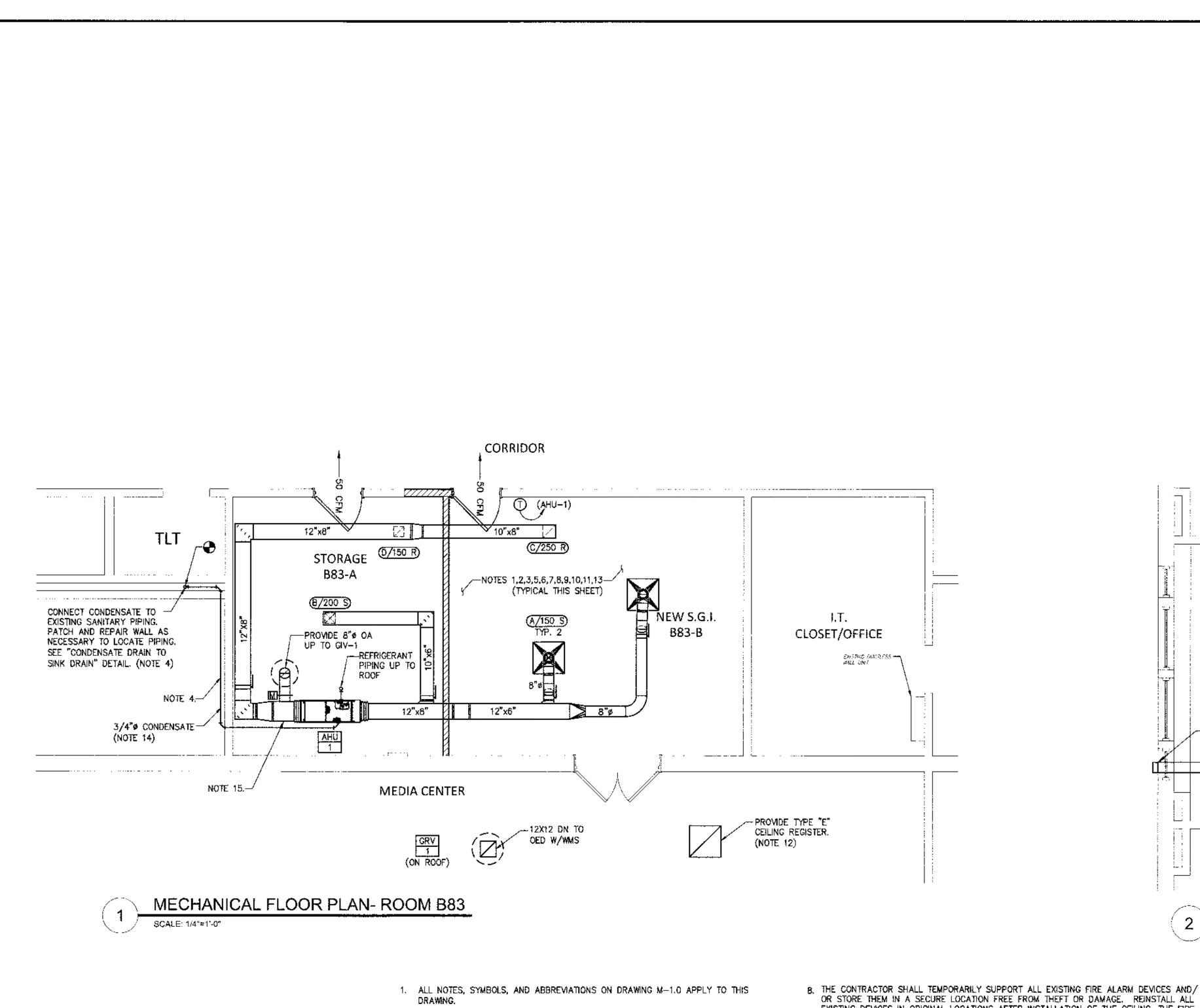
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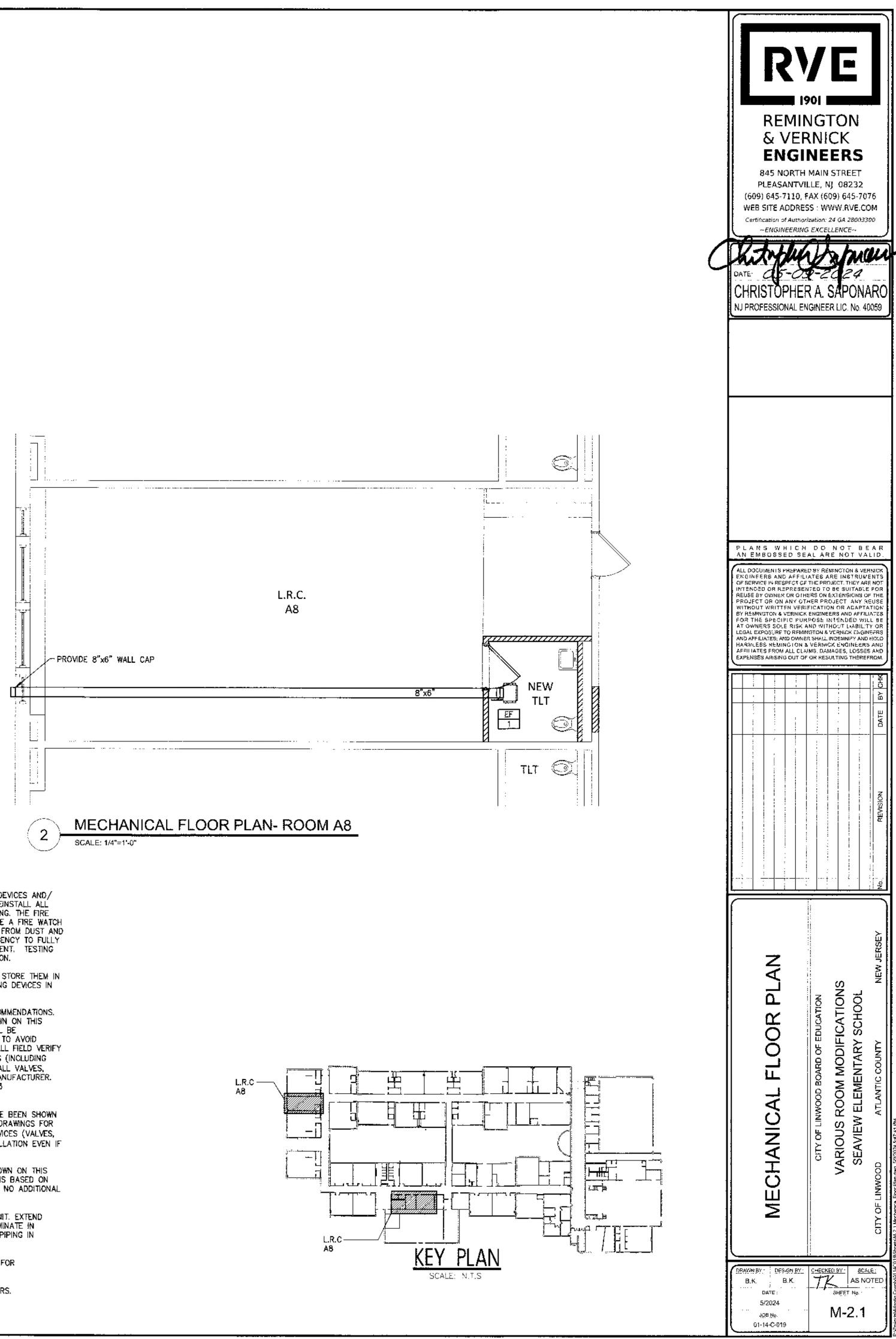
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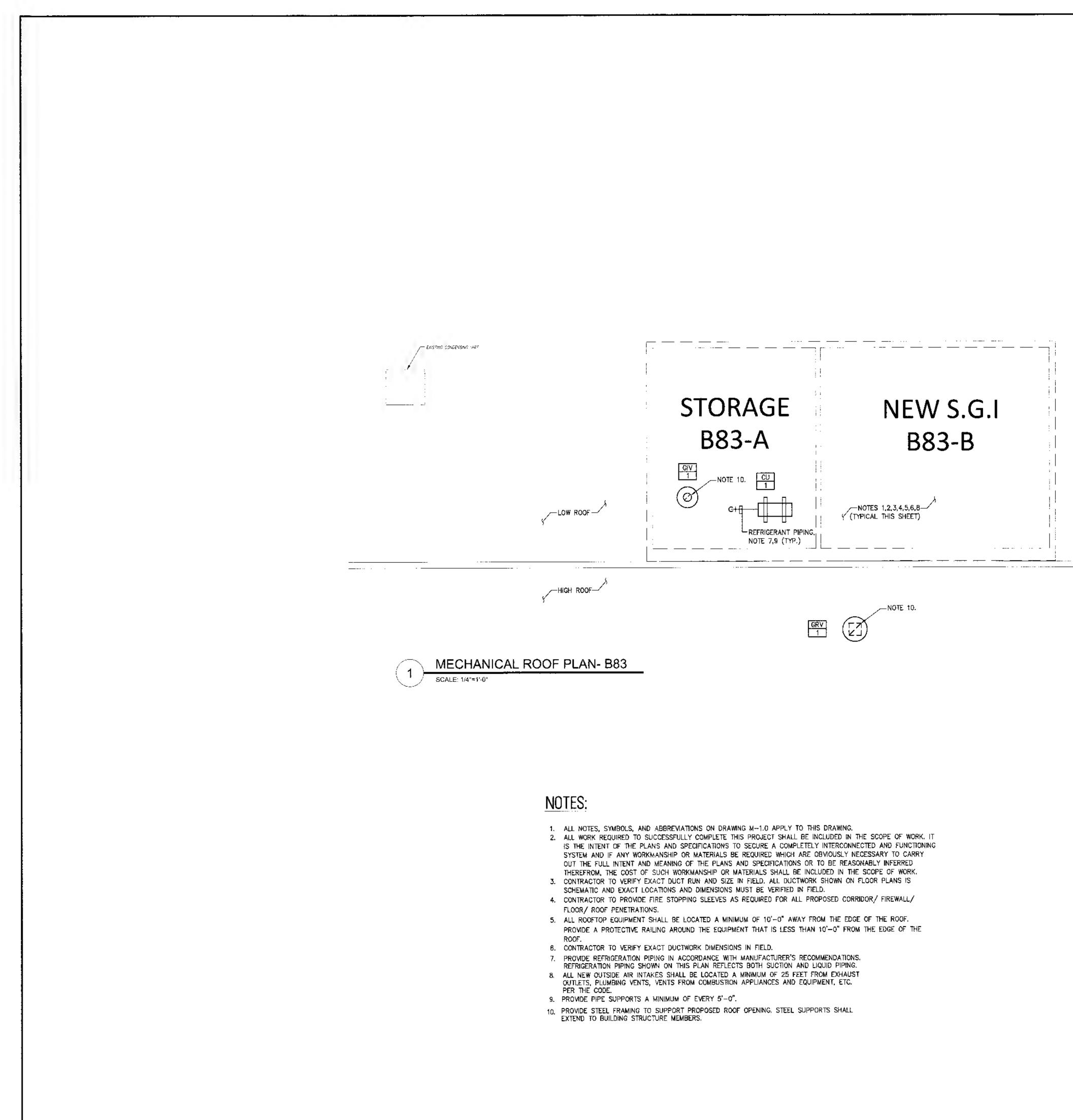
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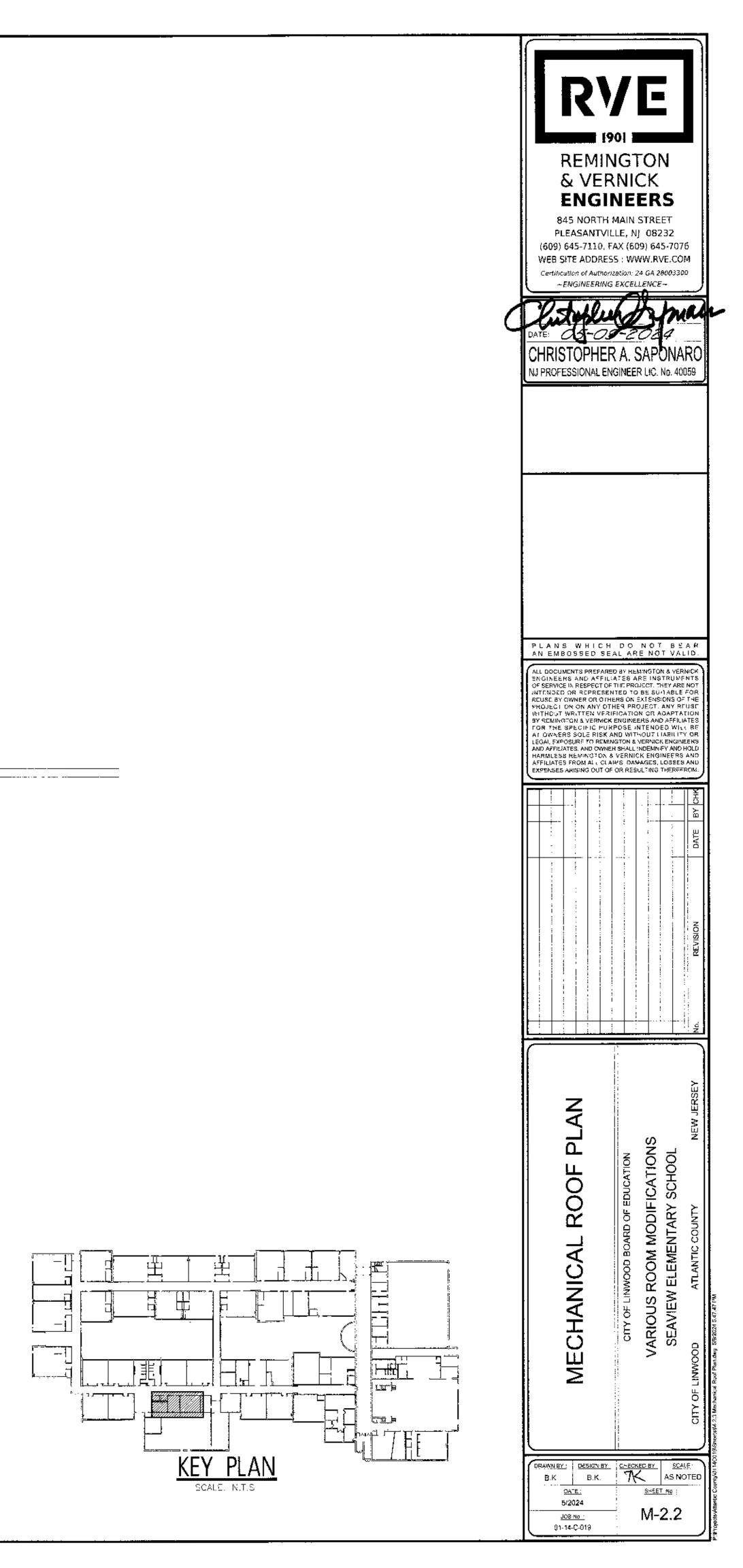


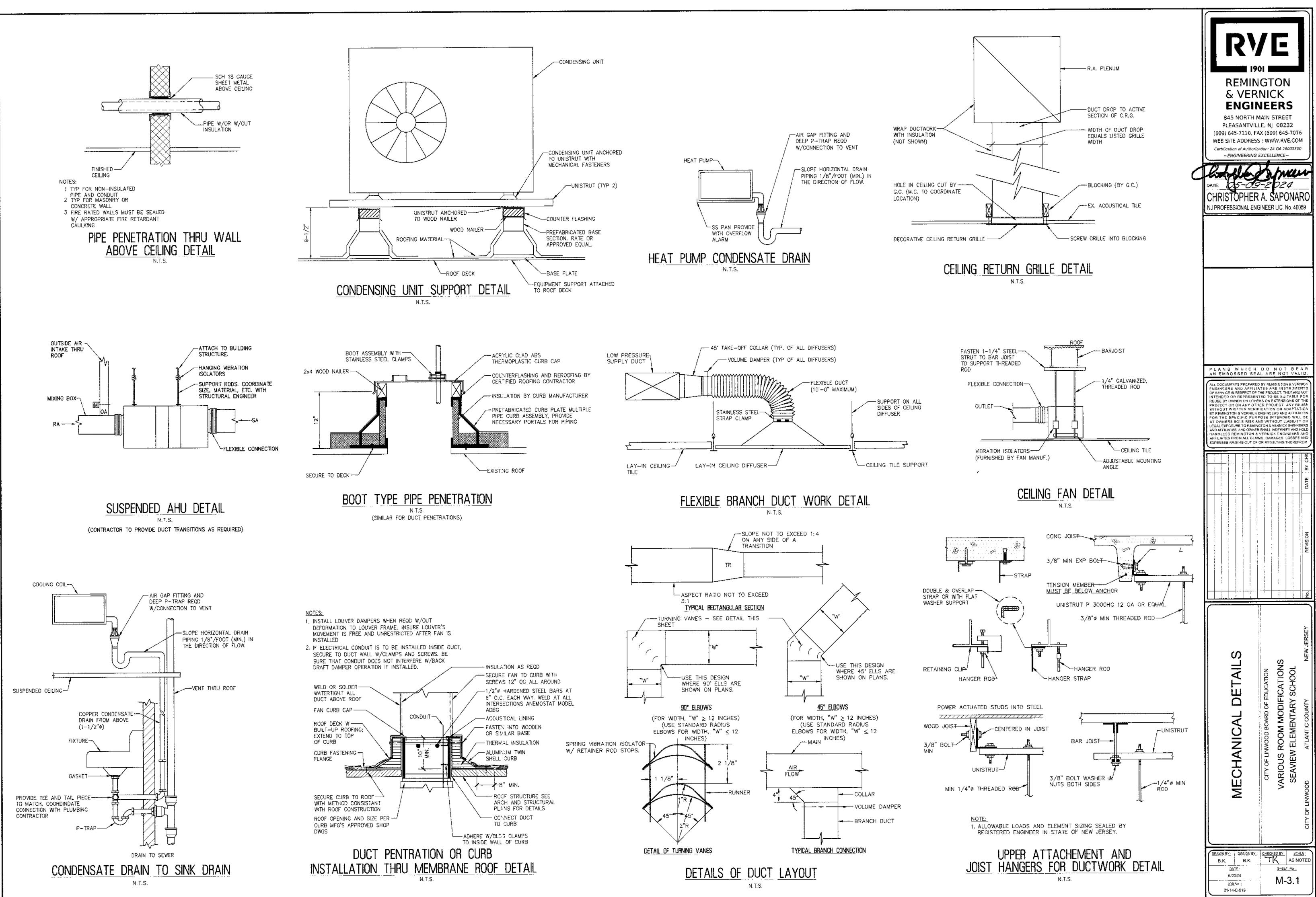
- 2. THIS NEW WORK PLAN HAS BEEN PROVIDED AS A GUIDE TO CONVEY THE DESIGN INTENT. ALL NEW WORK REQUIRED TO SUCCESSFULLY COMPLETE THIS PROJECT SHALL BE INCLUDED IN THE SCOPE OF WORK. IT IS THE INTENT OF THE PLANS AND SPECIFICATIONS TO SECURE A COMPLETELY INTERCONNECTED AND FUNCTIONING SYSTEM AND IF ANY WORKMANSHIP OR MATERIALS BE REQUIRED WHICH ARE OBVIOUSLY NECESSARY TO CARRY OUT THE FULL INTENT AND MEANING OF THE PLANS AND SPECIFICATIONS OR TO BE REASONABLY INFERRED THEREFROM, THE COST OF SUCH WORKMANSHIP OR MATERIALS SHALL BE INCLUDED IN THE SCOPE OF WORK. ALL EXISTING SYSTEMS NOT SPECIFICALLY SHOWN OR NOTED TO BE REMOVED/ MODIFIED ON THE DRAWINGS SHALL REMAIN IN SERVICE AND BE UNDISTURBED.
- 3. DUCTWORK ROUTINGS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL ROUTINGS IN THE FIELD TO AVOID INTERFERENCES. CONTRACTOR TO COORDINATE DUCTWORK/UNIT INSTALLATION WITH ALL STRUCTURAL STEEL, ELECTRICAL CONDUIT, SYSTEMS WIRING/CABLE, CLOCK SYSTEM, FIRE PROTECTION PIPING, PLUMBING PIPING (SANITARY DRAINAGE, ROOF DRAINAGE, DOMESTIC HOT/COLD WATER AND GAS PIPING), ETC. AS REQUIRED. ALL MODIFICATIONS MADE TO THE NEW DUCTWORK OR PIPING TO RESOLVE INTERFERENCES SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. SEE DIVISION 16 DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING/REPLACING AREAS OF THE EXISTING CEILING OR WALLS DAMAGED OR REMOVED AS A RESULT OF THE NEW WORK. REPAIRED/REPLACED PORTIONS OF THE EXISTING CEILING OR WALLS SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THE EXISTING CONDITION.
- 5. CONTRACTOR TO PROVIDE FIRE STOPPING SLEEVES AS REQUIRED FOR ALL PROPOSED CORRIDOR/ FIREWALL/FLOOR/ROOF PENETRATIONS.
- 6. PROVIDE NEW STEEL LINTEL TO SUPPORT WALL STRUCTURE AROUND NEW DUCT
- PENETRATION. SEE DETAILS FOR ADDITIONAL INFORMATION. 7. PROVIDE ALL PROTECTIVE MEASURES AND MATERIALS FOR ROOM CONTENTS, SUCH AS, 13, PROVIDE 3/4' DIAMETER CONDENSATE DRAIN PIPE FROM AIR CONDITIONING UNIT. EXTEND BUT NOT LIMITED TO, BOOKS, CARPET, FURNITURE, COMPUTERS, EQUIPMENT, FINISHES, CONDENSATE DRAIN PIPE TO NEAREST APPROVED DRAIN LOCATION AND TERMINATE IN ETC., IN WORK AREAS TO PREVENT ANY DAMAGE TO SAME. ALL CONSTRUCTION ACCORDANCE WITH CODE REQUIREMENTS, INSULATE ALL CONDENSATE DRAIN PIPING IN DEBRIS, DIRT, DUST, ETC., SHALL BE THOROUGHLY CLEANED AND REMOVED FROM THE ACCORDANCE WITH DIVISION 23 SPECIFICATIONS. WORK AREAS DAILY.



- OR STORE THEM IN A SECURE LOCATION FREE FROM THEFT OR DAMAGE. REINSTALL ALL EXISTING DEVICES IN ORIGINAL LOCATIONS AFTER INSTALLATION OF THE CEILING. THE FIRE ALARM SYSTEM SHALL BE KEPT IN SERVICE DURING CONSTRUCTION. PROVIDE A FIRE WATCH FOR AREAS WHERE DETECTION IS TEMPORARILY REMOVED. PROTECT DEVICES FROM DUST AND DEBRIS DURING CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN TESTING AGENCY TO FULLY TEST AND VERIFY THE OPERATION OF ALL FIRE ALARM DEVICES AND EQUIPMENT. TESTING SHALL BE WITNESSED AND APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- 9, CONTRACTOR SHALL TEMPORARILY REMOVE ALL EXISTING CEILING DEVICES & STORE THEM IN A SECURE LOCATION FREE FROM THEFT OR DAMAGE. REINSTALL ALL EXISTING DEVICES IN ORIGINAL LOCATIONS AFTER INSTALLATION OF THE CEILING.
- 10, PROVIDE REFRIGERATION PIPING IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. ALL PIPE ROUTINGS SHOWN ARE APPROXIMATE. REFRIGERATION PIPING SHOWN ON THIS PLAN REFLECTS BOTH SUCTION AND LIQUID PIPING. THE CONTRACTOR SHALL BE RESPONSIBLE TO FIELD COORDINATE ALL FINAL PIPE ROUTINGS IN THE FIELD TO AVOID INTERFERENCES AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL FIELD VERIFY FINAL LENGTH OF ALL HORIZONTAL AND VERTICAL REFRIGERANT PIPING RUNS (INCLUDING ALL FITTINGS) BETWEEN EQUIPMENT FOR PIPE SIZE CONFIRMATION. PROVIDE ALL VALVES, FILTERS, AND OTHER ACCESSORIES AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER. ALL REFRIGERATION SUCTION PIPING SHALL BE INSULATED - SEE DIVISION 23 SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- 11, NOT ALL INLINE DEVICES (VALVES, DAMPERS, REDUCERS, GAUGES, ETC.) HAVE BEEN SHOWN ON THE PLANS FOR CLARITY. SEE PIPING DETAILS ON MECHANICAL DETAIL DRAWINGS FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL PROVIDE ALL INLINE DEVICES (VALVES, DAMPERS, REDUCERS, GAUGES, ETC.) AS REQUIRED TO COMPLETE THE INSTALLATION EVEN IF NOT SPECIFICALLY SHOWN ON THE PLANS OR DETAILS.
- 12, LOCATION OF ALL CEILING MOUNTED GRILLES, REGISTERS AND DIFFUSERS SHOWN ON THIS SHEET ARE APPROXIMATE. CONTRACTOR SHALL FIELD ADJUST ALL LOCATIONS BASED ON THE CEILING GRID LAYOUT AS REQUIRED TO COMPLETE THE INSTALLATION AT NO ADDITIONAL COST TO THE OWNER
- 14. PROVIDE A MINIMUM HORIZONTAL SLOPE OF NO LESS THAN 1/8" EVERY 12" FOR CONDENSATE LINES.
- 15. CONTRACTOR TO INSTALL FIELD FABRICATED MIXING BOX WITH RA/OA DAMPERS.







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							VENTILAT:	ION AIR REQUIRE!	MENTS (ASHRAE 62, IN)	TERNATIONAL MECH (	(1205 30G)					DUTDOOR AIR	EXHAUST AIR	RETURN AIR	SUPPLY A
DOM NAME	ECUIPMENT	APPROX.	DCCUPANT	NUMBER OF	PEOPLE OUTIDOR	TOTAL PEOPLE	AREA DUIDDOR	TOTAL AREA	BREATHING ZÖNE	ZONE AIR	ZONE AIR	ZONE OUTDOOR	PRIMARY	EXHAUST	TOTAL	CORRECTED	DESIGN	DESIGN	DESIGN
	TAG	AREA	DENSITY	PECPLE & /	AIRFLOW RATE	OUTDOCR	AIRFLOW RATE	OUTDOOR	BUTDOOR AIRFLOW	DISTRIBUTION	DISTRIBUTION	AIRFLOW	OUTDOOR	AIRFLOW RATE	EXHAUST	DESIGN TOTAL	TOTAL	TOTAL	TOTAL
	NUMBER	(SF)	# PEOPLE/	DR FIXTURES	Rp	AIRFLOW	Ra	AIRFLOW	(CFM) Vbz	EFFECTIVENESS	EFFECTIVENESS	(CFM) Voz	AIR FRACTION		AIRFLOW	(CFM) Vot	(CFM)	(CFM)	MAXZMIN
			1000 SF			(CEM)		(CFM)		(COOLING) Ez	(HEATING) Ez		Zp		(CFM)				(CFM)
TOILET	EF-1	44	N/A	1 FIXTURE	N/A	N/A	N/A	N/A	N/A	1.0	0.8	NZA	N/A	70 CFM/FIXTURE	70	C	70	.0	0
	·····			-										···					
-A STORAGE	AHU-1/ CU-1	220	5	N/A	N/A	0	0.12 CFM/SQ FT.	26		1.0	0,8	33	0.2	NZA	N/A	49	0	200	20
93-B S.G.I	AHU-1/ CU-1	308	25	8 PEDPLE	5 CFM/PERSON	40	0.06 CFM/SQ.FT.	18	58	1.0	0.8	73	1 02	N/A	1 N/A	73	2	200	30

7AG	INDOOR	UNIT		HEAT PUMP					ELECTRIC HEAT	Т		OUTBOOR COM	NDENSING UNI	Т							
	Ainflow			ty Capacity @ 47%		Ampacity (Amps)	Max. Bver. Pro. (Amps)	Heating Capacity (KV)	V/PH/Hz	Ampacity (Am <b>ps)</b>	Basis of Design	Compressor Type	Refrigerant Type	t	SEER (btuh/watt)	Fan HP	V/PH/Hz	Min Circuit Amps	Max Circuit Breaker	Compressor RLA	Basis of Design
AHU-1/CU-1 ESr				28,8 NNECT SWITCHES, REFRI					208/1/60 DEVICES REQUIR	18.1 ED TO OPERATE AN	MITSUBISHI NTXAMTISA112AA ND	Scroll	R-410A	5.5	18.7	0.125	298/1/60	17	31	13	MITSUBISHI NTXSKHIBALIZA
	2, PRŒVI 3. PROVID	DE VITH DI E UNIT VIT	GITAL PROGAMMABLE	THERMOSTAT, THERMOST MIXING BOX WITH RAV	AT SHALL BE AN				UPIED MODE.												

TAG	ROOM(S) SERVED	FAN TYPE	CFM	É.S.P. (in. w.c.)	MOTOR HP OR WATTS	DRIVÊ TYPE	ELECTRICAL VZPH/HZ	SONES	CEILING OPENING SIZE	APPROXIMATE WEIGHT (LBS)	BASIS DF DESIGN	NETES
 ₽F−i	L.R.C. AB	CELING MOUNTED	107	0.23	0,03	DIRECT	115/1/60	0.3	15'×13.25'	17	GREENHECK CSP-A125	1
EF-1       LR.C. AB       CELING MOUNTED       107       0.83       0.03       DIRECT       115/1/60       0.3       15'×13.25'       17       GREENI         NOTES:       1. PROVIDE FAN WITH ALUMINUM WHEEL, GALVANIZED STEEL HOUSING, GRAVITY BACKDRAFT DAMPER, FAN SPEED CONTROLLER, UNIT MOUNTED DISCONNECT       SWITCH IN NEMA 1 ENCLOSURE (WITH INTEGRAL STARTER), HANGING VIBRATION ISOLATORS, FLEX BUCT CONNECTIONS, INSULATED HOUSING, MOUNTING ACCESSORIES,       AND ALL BTHER DEVICES AND ACCESSORIES REQUIRED TO INSTALL AND OPERATE FAN.												

GRAV	GRAVITY VENTILATOR SCHEDULE										
TAG	SERVICE	SYSTEM(S)	CFM	ROOF	THRDAT AREA	NUMBER	INTAKE	HODD	BASIS OF DESIGN	NOTES	
		SERVED		OPENING	(SQ. FT.)	DF TIERS	AREA (SQ. FT.)	SIZE		ł -	
GIV-1	INTAKE	AHU-1	105	8.25' x8.25'	0.37	1	1.3	20.51 DIA.	GREENHECK GRSI-9	1	
GRV-1	RELIEF	MEDIA CENTER	660	12 <b>*</b> ×12 <b>*</b>	10	1	1.3	26 <b>*</b> x 27 <b>*</b>	GREENHECK GR#-FGR	1	
NOTES	1. PROVIDE WITH BIRDSCREEN	, ROOF CURB, AN	D AUTE	MATIC BACKERA	FT DAMPER						

DIFFUSER	<b>REGISTER &amp; GRIL</b>	LE SC	HEDIII E
DIFFUSER,			HEDOLE.

				<u> </u>		
TAG	DESCRIPTION	FACE	NECK	DIRECTION		BASIS OF DESIGN
					MANUFACTURER	MODEL NUMBER
Å	DIFFUSER	24"x24"	8*ø	SUPPLY	PRICE	ASCD
В	REGISTER	8"X9"	8,X8,	SUPPLY	PRICE	620DAL
C.	REGISTER	10"×10"	10'x10'	RETURN	PRICE	650
D	REGISTER	B*X8*	8'X8'	RETURN	PRICE	620
£	GRILLE	24'x24'	24 x24	TRANSFER	PRICE	90

NOTES: 1. COORDINATE MOUNTING FRAME WITH CEILING/WALL TYPE.

2. CODRDINATE COLOR & FINISH WITH ARCHITECT.

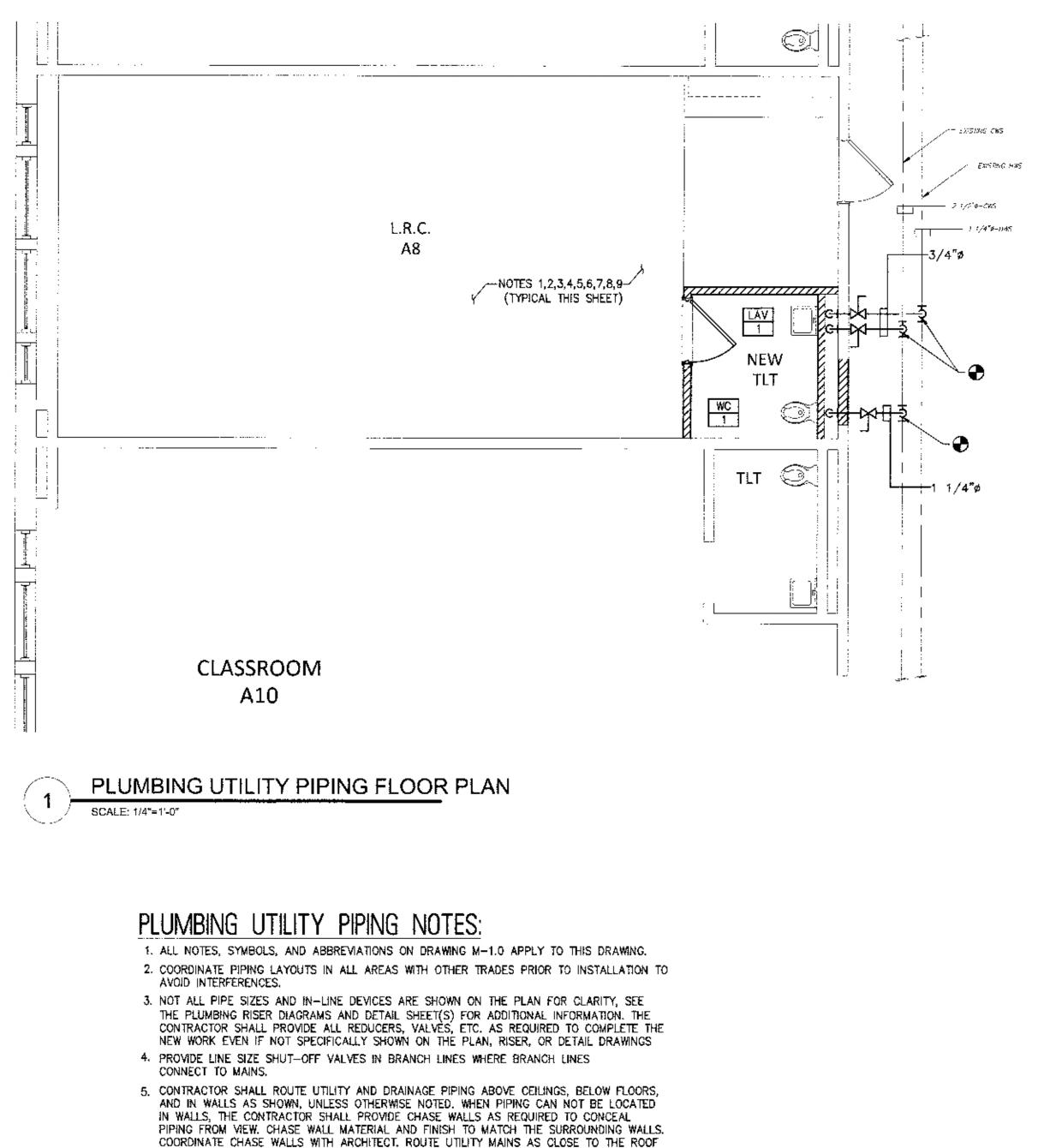
3. PROVIDE GRILLE WITH BORDER FLANGE FOR LAY-IN TYPE CEILINGS, SEE PLANS FOR LOCATIONS.

4. PROVIDE WITH ALUMINUM OPPOSED BLADE DAMPERS.

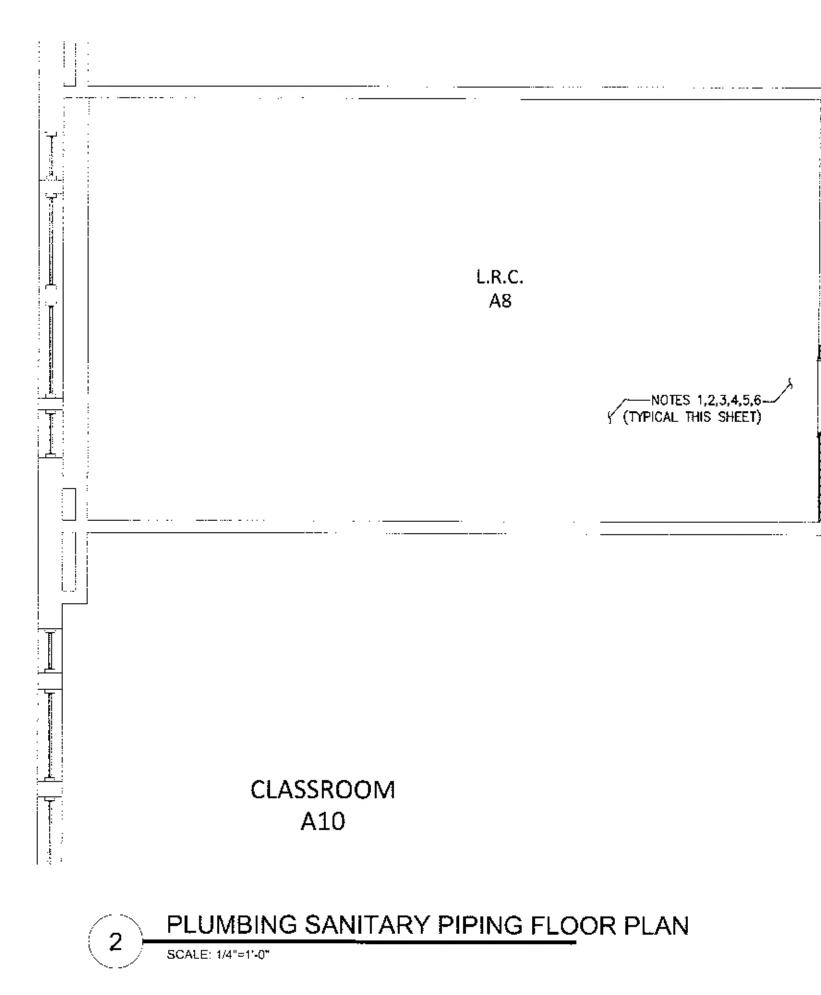
5. NO (NOISE CRITERIA) LEVEL MAY BE NO GREATER THAN 25.

	NOTES
-	1,2,3,4,5
	1,2,3,4,5
	1,2,3,4,5
	1,2,3,4,5
	1,2,3,4,5

REMIN & VER ENGI 845 NORTH PLEASANTVIL (609) 645-7110, F WEB SITE ADDRES Certification of Authori ENGINEERING	A. SAPONARO
ALL DOCUMENTS PREPAREI ENGINEERS AND AFFLU OF SERVICE IN RESPECTOF INTENDED OR REPRESEN REUSE BY OWNER OR OTHE PROJECT OR ON ANY OTH WITHOUT WRITTEN VERI BY REMINGION & VERMICK FOR THE SPECIFIC PURI AT OWNERS SOLE RISK A LEGAL EXPOSURE TO REMIN AND AFFLUATES, AND OWNEL HARMLESS REMINGION & AFFLUATES FROM ALL CLAI	DONOT BEAR ALARENOT VALID. DBY REMINGTON & VERNICK ATES ARE INSTRUMENTS THE PROJECT THEY ARE NOT TED TO BE SUITABLE FOR HS ON EXTENSIONS OF THE HER PROJECT, ANY REUSE INSTRUMERS AND AFFILIATES POSE INTENDED WILL BE ND WITHOUT LIABILITY OR GTON & VERNICK ENGINEERS SHALL INDEMNIFY AND HOLD VERNICK ENGINEERS AND OR RESULTING THEREPROM.
MECHANICAL SCHEDULES	CITY OF LINWOOD BOARD OF EDUCATION CARIOUS ROOM MODIFICATIONS SEAVIEW ELEMENTARY SCHOOL CITY OF LINWOOD ATLANTIC COUNTY NEW JERSEY FIGHT NOT ATLANTIC COUNTY NEW JERSEY
DRAWN BY :         DES/ON BY :           B.K.         B.K.           DATE :         5/2024           gOB No.         01-14-C-019	CHECKED BY: SCALE : TK AS NOTED SHEET NO.: M-4.1



- DECK AS POSSIBLE. ROUTE PIPE THROUGH OPEN WEB JOIST WHERE POSSIBLE. 6. DOMESTIC WATER PIPING SHALL BE COPPER PIPE WITH SOLDERED FITTINGS/JOINTS IN
- ACCORDANCE WITH THE CONTRACT SPECIFICATIONS.
- 7. PIPING IS SHOWN FOR CLARITY AND DIAGRAMMATICAL PURPOSES. CONTRACTOR SHALL COORDINATE FINAL LAYOUT AND INSTALLATION OF PIPING IN FIELD AND COORDINATE WITH OTHER TRADES AS REQUIRED. ALL PIPING INSTALLATIONS SHALL BE IN ACCORDANCE WITH APPLICABLE PLUMBING CODES AND STANDARDS.
- 8. CONTRACTOR SHALL PROVIDE ALL PIPING, FITTINGS, VALVES, AND APPURTENANCES REQUIRED TO PROPERLY INSTALL WATER METER IN ACCORDANCE WITH THE UTILITY COMPANY'S REQUIREMENTS EVEN IF SAID PERTINENCES ARE NOT SPECIFICALLY PROVIDED BY THE UTILITY COMPANY.
- 9. CONTRACTOR SHALL TEMPORARILY REMOVE ALL EXISTING FIRE ALARM DEVICES. REINSTALL IN ORIGINAL LOCATION AFTER NEW CEILINGS HAVE BEEN INSTALLED THE FIRE ALARM SYSTEM SHALL BE KEPT IN SERVICE DURING CONSTRUCTION. PROVIDE A FIRE WATCH FOR AREAS WHERE DETECTION IS TEMPORARILY REMOVED.



#### PLUMBING SANITARY PIPING NOTES:

- ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING M-1.0 APPLY TO THIS DRAWING.
   ALL INVERTS SHOWN ARE APPROXIMATE. INVERT ELEVATION BASED ON FINISHED FLOOR ELEVATION OF 0.00'.
- 3. ALL HORIZONTAL DRAINAGE PIPING 3 INCHES IN DIAMETER AND SMALLER SHALL BE SLOPED A MINIMUM OF 1/4" PER FOOT IN THE DIRECTION OF FLOW. ALL HORIZONTAL DRAINAGE PIPING 4 INCHES IN DIAMETER AND LARGER SHALL BE SLOPED A MINIMUM OF 1/8" PER FOOT IN THE DIRECTION OF FLOW.
- 4. CONTRACTOR SHALL ROUTE DRAINAGE RISERS AND VENT LINES IN THE WALLS WHERE SHOWN. WHERE PIPING CAN NOT BE LOCATED IN WALLS. THE CONTRACTOR SHALL PROVIDE CHASE WALLS AS REQUIRED TO CONCEAL PIPING FROM VIEW. CHASE WALL AND FINISH TO MATCH SURROUNDING WALLS. COORDINATE ALL CHASE WALLS WITH ARCHITECT.
- 5. COORDINATE PIPING LAYOUTS IN ALL AREAS WITH OTHER TRADES PRIOR TO INSTALLATION TO AVOID INTERFERENCES. RELOCATE NEW PIPE TO ACCOMMODATE NEW DUCTWORK, EQUIPMENT, STRUCTURE, CONDULT, ETC.
- 6. NOT ALL PIPE SIZES AND INUNE DEVICES ARE SHOWN ON THE PLAN FOR CLARITY PURPOSES. SEE THE PLUMBING RISER DIAGRAMS AND DETAIL SHEET(S) FOR ADDITIONAL REQUIREMENTS AND DETAILS. THE CONTRACTOR SHALL PROVIDE ALL REDUCERS, FITTINGS, ETC. AS REQUIRED TO COMPLETE THE NEW WORK EVEN IF NOT SPECIFICALLY SHOWN ON THE PLAN OR RISER DIAGRAMS.
- 7. CONTRACTOR SHALL PROVIDE ALL SAWCUTTING AND EXCAVATION NECESSARY TO LOCATE EXISTING UNDERGROUND SANITARY PIPING AND INSTALL NEW PIPING. VERY EXISTING INVERT IN FIELD PRIOR TO CONNECTION OF NEW PIPING. PATCH AND REPAIR FLOOR TO MATCH CONSTRUCTION AND FINISH TYPE.

REMINGTON & VERNICK ENGINEERS 845 NORTH MAIN STREET PLEASANTVILLE, NJ 08232 (609) 645-7110, FAX (609) 645-7076 WEB SITE ADDRESS : WWW.RVE.COM Certification of Authorization: 24 GA 28003300 ~ENGINEERING EXCELLENCE~ NJ PROFESSIONAL ENGINEER LIC. No. 40059 [<u>...</u>] ∉"∂-54// PIANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID. -EXISTING SAMMARY ALL DOCUMENTS PREPARED BY REMINGTON & VERNIC ENGINEERS AND AFFIL ATFS ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT, THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT, ANY REUSI ANOTE 7. WITHOUT WRITTEN VERIFICATION OR ADAPTATIO BY REMARITON & VERNICK ENCINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES; AND OWNER SHALL INDEMNIFY AND HOL: IARMLESS REMINGTON & VERMICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM - 2"ø−∨⊺ UP TO 3°ø VTR Z 1 FLOOR F ð õ š Ш ö PLUMBING UTI NITARY PIPING ROON  $\geq$ S ARIOU: SEAVIE ö CIT Δ  $\triangleleft$ S B.K. B.K. TK AS NOTE AS NOTED DATE . SHEET No ... 5/2024 P-2.1 JOB No 1 Q1-14-C-019

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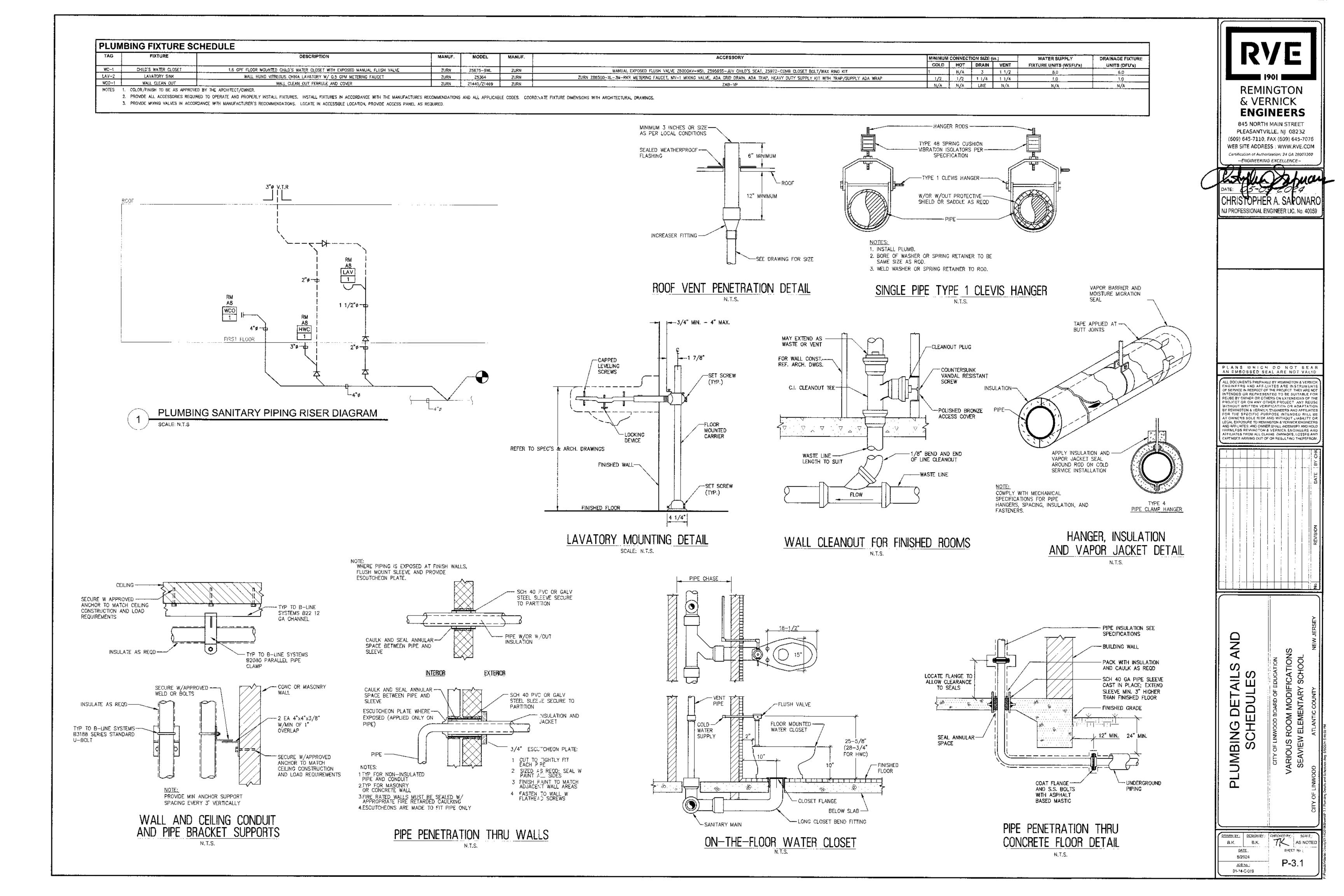
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## ELECTRICAL SYMBOLS

(ALL SYMBC	DLS MAY NOT BE USED ON THIS PROJECT)	
	2'x4' LED LIGHT FIXTURE (A - INDICATES FIXTURE TYPE)	
	2'x4' EMERGENCY LED LIGHT FIXTURE (AE - INDICATES FIXTURE TYPE)	
AE	2'x2' LED LIGHT FIXTURE	Ň
	2'x2' EMERGENCY LED LIGHT FIXTURE	××x <b>/</b> ××x /×>
	5"x4' LED LIGHT FIXTURE	
	5"x4' EMERGENCY LED LIGHT FIXTURE	XXX/XXX/XXX/
0	DOWNLIGHT LIGHT FIXTURE	
	EMERGENCY DOWNLIGHT LIGHT FIXTURE	$\boxtimes$
Ю	WALL MOUNTED LIGHT FIXTURE	
HØ	WALL MOUNTED EMERGENCY LIGHT FIXTURE	_
$\widetilde{\mathbf{A}}$	EXIT SIGN (SHADED AREA INDICATES FACE) (ARROW INDICATES DIRECTION) (XW — WALL MOUNTED) (XC — CEILING MOUNTED)	₂ ⊠ 29 1
98P	COMBINATION EXIT SIGN W/ DUAL REMOTE HEADS	R
4	DUAL HEAD EMERGENCY BATTERY BACKUP	
AP	DUAL REMOTE HEADS	
		Ţ
s S 3	SWITCH, SINGLE POLE TOGGLE	__
3 S 4	SWITCH, 3-WAY TOGGLE SWITCH, 4-WAY TOGGLE	_ <u>~</u>
s _D	SWITCH, DIMMER	┉ᢃᢄᡃ᠁
s _K	SWITCH, KEY OPERATED	
s _P	SWITCH, PILOT LIGHT	∥ ── <u>└</u> ĽĽ
sL	SWITCH, LOW VOLTAGE	۲.
SM	FRACTIONAL HP STARTER	⊪⊷ົ⊶
<u>os</u>	OCCUPANCY SENSOR $-P$ $-$ PASSIVE INFRARED	SPD -
	U – ULTRASONIC D – DUAL TECHNOLOGY	wwwww
■+ _O2	SITE LIGHT UTILITY POLE	$\sim$
(DLS)	DAYLIGHT SENSOR	
$\widecheck{\Phi}$	RECEPTACLE, DUPLEX – (K – KEY LOCKING STEEL COVER)	×-K
11	(S - SURGE PROTECTOR) (L - LOCKING COVER)	$\frown$
	(+ – MOUNT 8" ABOVE COUNTERTOP) (T – TAMPER PROOF)	<u>∕</u> EM ∕
	(U - DUPLEX WITH USB PORT)	
۲ ۳	RECEPTACLE, QUAD	NS
Ψ	RECEPTACLE, SINGLE	
GFI	RECEPTACLE, GFI - (WP-WEATHERPROOF IN-USE COVER)	— ст —
•	RECEPTACLE, EMERGENCY	—W
$\varphi$	RECEPTACLE, SPECIAL (NEMA CONFIGURATION INDICATED)	F
$\overline{\bullet}$	RECEPTACLE, DUPLEX FLOOR MOUNT (POKE-THRU)	$\square$ 300
$\oplus_{C}$	RECEPTACLE, CEILING MOUNTED	F
	FLOOR BOX WITH (2) DUPLEX RECEPTACLES	F
TV	DUPLEX RECEPTACLE AND CATV RECEPTACLE	
J	JUNCTION BOX	F
L	JUNCTION BOX, FLOOR MOUNTED	-0- ^{30c}
J,	JUNCTION BOX, TELEPHONE	$\triangle$ c
	JUNCTION BOX, DATA	-\$-
-		
J _{TD}	JUNCTION BOX, TELEPHONE/DATA	B
(J _P (T)	JUNCTION BOX, POWER ELECTRIC FLUSH VALVE TRANSFORMER JUNCTION BOX – ABOVE CEILING	S
		(H) AC
	PANEL BOARD - SURFACE MOUNTED	⇒ A⊂ (FS)
	PANEL BOARD — FLUSH MOUNTED	(S)
	CIRCUIT BREAKER IN ENCLOSURE	✓ D [FACP]
	CIRCUIT BREAKER	RAP
$\langle  \circ \rightarrow \rangle$	LOW VOLTAGE DRAWOUT BREAKER	FS
₩□≫ ⊳	MEDIUM VOLTAGE DRAWOUT BREAKER DELTA CONFIGURATION	<u> </u>
ب لم	WYE CONFIGURATION	<b>A</b>
´`\≟ _		FAAP
	ELECTRICALLY INTERLOCKED	DACT
	ELECTRIC UTILITY METER	
IDF MDF	INTERMEDIATE DISTRIBUTION FRAME MAIN DISTRIBUTION FRAME	∕D ∽
E	CURRENT TRANSFORMER	(co)
¢		Ċ
$\Psi$	GENERATOR	
	TRANSFORMER	Ŷ
 E	POTENTIAL TRANSFORMER	$\bigcirc$
~~		

7	MV SWITCH GEAR
$\overline{}$	GROUND ROD (10' × 3/4")
$\gamma$	MOTOR
×∕×× א	NON-FUSED DISCONNECT SWITCH - XXX/XXX/XX - INDICATES (RATED FRAME AMPS/VOLTS/# OF POLES)
ך א <b>א</b> א/x <b>x</b> x/xx	FUSED DISCONNECT SWITCH XXX/XXX/XXX/XX — INDICATES (RATED FRAME AMPS/FUSE AMPS/VOLTS/# OF POLES)
] 21	COMBINATION STARTER/DISCONNECT SWITCH MAGNETIC STARTER
) _K	KEY OPERATED CONTROL STATION
1 _c	MAGNETIC CONTACTOR
2	PHOTOCELL
2	TIME CLOCK SWITCH
2	RELAY
$\rightarrow$	HAND DRYER
_	GROUNDING ELECTRODE
	NON FUSED DISCONNECT SWITCH
~ }{=	FUSED DISCONNECT SWITCH FUSED POTENTIAL TRANSFORMER
	AUTOMATIC TRANSFER SWITCH
	L – LOAD N – NORMAL POWER E – EMERGENCY POWER
^A •–	LIGHTNING ARRESTER
/_	SURGE PROTECTIVE DEVICE WITH DISCONNECT
NN	HEAT TRACE CABLING
∽ 	RESISTOR TEMPERATURE DEVICE EXPOSED RACEWAY
-*<	LOW VOLTAGE WIRING
$\overline{}$	CONDUIT CONCEALED IN WALLS OR CEILING
M	EMERGENCY CIRCUIT
· S	CONDUIT CONCEALED IN OR UNDER FLOOR OR UNDERGROUND
	NON-SWITCHED CIRCUIT HOMERUN - CIRCUIT & PANEL AS INDICATED (2#12 + 1#12G, 3/4"C, UNLESS OTHERWISE NOTED)
т —	CABLE TRAY
	SURFACE RACEWAY, WIREMOLD
	FIRE ALARM PULL STATION
<b>)</b> ] 7	FIRE ALARM STROBE LIGHT - (XXcd - CANDELA RATING)
	FIRE ALARM SPEAKER (SUBSCRIPT 'C' INDICATE CEILING MOUNTED)
	FIRE ALARM/BELL
7c 7	COMBINATION FIRE ALARM SPEAKER/STROBE — (XXcd — CANDELA RATING) (CEILING)
) ^{30cd} )- 7 ]	COMBINATION FIRE ALARM SPEAKER/STROBE — (XXcd — CANDELA RATING)
Q	FIRE ALARM CODE BLUE
	PHOTO-ELECTRIC TYPE SMOKE DETECTOR
	HEAT DETECTOR (COMBINATION FT/RR U.O.N., AC-ABOVE CEILING.)
5	COMBINATION HEAT/SMOKE DETECTOR
	PHOTO-ELECTRIC TYPE DUCT SMOKE DETECTOR
CP ∖P	FIRE ALARM CONTROL PANEL
<u>s</u>	SPRINKLER FLOW SWITCH
- 5	SPRINKLER TAMPER SWITCH
	FIRE ALARM GONG
AP CT	FIRE ALARM ANNUNCIATION PANEL DIGITAL ALARM COMMUNICATOR TRANSMITTER
	CARBON MONOXIDE TYPE DUCT DETECTOR (WP - WEATHERPROOF)
0	CARBON MONOXIDE DETECTOR
	PTZ CAMERA (AUDITORIUM)
<u> </u>	LIGHTING SYSTEM (AUDITORIUM)
ץ פ	PEOPLE COUNTER SENSOR
1	, LUILE GUUTTER GENOUR

#### ABBREVIATIONS

(N02)	NITROGEN DIOXIDE DETECTOR	% & ø, PH	PERCENT AND PHASE
(C02)	CARBON DIOXIDE DETECTOR	°C. °F.	CENTIGRADE DEGREES FAHRENHEIT DEGREES
<u>ا</u>	EMERGENCY GAS SHUTOFF	1/C A.I.C. A.T.C.	SINGLE CONDUCTOR AMPERES INTERRUPTING CAPACITY AUTOMATIC TEMPERATURE CONTROL
	EMERGENCY BOILER SHUTOFF	A.T.S. A/C.	AUTOMATIC TRANSFER SWITCH AIR CONDITION
Ð	EMERGENCY ELECTRIC SHUTOFF	AC ADDL. AF	ALTERNATING CURRENT ADDITIONAL AMPERE FRAME
		A-F AFCI	AMPERE FUSE ARC FAULT CIRCUIT INTERRUPTER
K	REMOTE KEY PAD	AFF/A.F.F.	ABOVE FINISHED FLOOR
	ELECTRONIC DOOR LOCK	AFG/A.F.G. AHU	ABOVE FINISHED GRADE AIR HANDLING UNIT
Μ	MAGNETIC DOOR HOLDER	AL. AMP., A.	ALUMINUM AMPERE
KF	KEY FOB	APPROX. ARCH.	APPROXIMATE ARCHITECTURAL
E	PANIC ALARM BUTTON	A⊺ ASY,	AMPERE TRIP ASYMMETRICAL
	SECURITY/VIDEO CAMERA (WP – WEATHERPROOF) (PTZ – PAN, TILT, ZOOM)	AUX. B.F.C. BKR.	AUXILIARY BELOW FINISHED CEILING BREAKER
WOS	WIRELESS OCCUPANCY SENSOR	BLDG.	BUILDING
WRS	WIRELESS RELAY SWITCH	BSMT. C/C.	BASEMENT CONDUIT
WAC	WIRELESS ACCESS CONTROL	C OF U/CFU C.T., CT	COEFFICIENT OF UTILIZATION CURRENT TRANSFORMER
WAP	WIRELESS ACCESS POINT	CB, CIR. BKR., C/B CCTV	CIRCUIT BREAKER CLOSED CIRCUIT TELEVISION
CR	CARD READER	CKT., CIR, CIRC.	CIRCUIT
DC	ELECTRONIC DOOR CONTACT	CL. CLG.	CLOSET CEILING
RX	REQUEST TO EXIT	CO./Co. COAX.	COMPANY COAXIAL CABLE
IR MS	INFRARED SENSOR MOTION SENSOR	COL. COMP.	COLUMN
		CONC.	COMPLETE CONCRETE
A	AIR PHONE INTERCOM SYSTEM	CONDR. CONN	CONDUCTOR CONNECTED, CONNECTOR
	CCTV CAMERA ASSEMBLY W/ DOME COVER	CONST. CONT.	CONSTRUCTION CONTINUATION
	DUAL CCTV CAMERA ASSEMBLY W/ DOME COVER	CONTR.	CONTRACTOR
$(\succ$	SECURITY MOTION SENSOR	COORD. CORR.	COORDINATE CORRIDOR
$\mathbf{V}$	VOIP OUTLET	CPU Cu	CENTRAL PROCESSING UNIT
$\overset{6}{\searrow}$	DATA OUTLET - (6 - # OF DROPS)	CU CU. FT. CW	CONDENSING UNIT CUBIC FEET CLOCKWISE
$\mathbf{V}$	COMBINATION VOIP AND DATA OUTLET	D DEM	DEPTH DEMAND
$\nabla$	SOUND SYSTEM WALL PHONE	DIA. DISC. DIV.	DIAMETER DISCONNECT SWITCH DIVISION
S	MASS NOTIFICATION SPEAKER	DN. DPST	DOWN DOUBLE POLE SINGLE THROW
S	SPEAKER - CEILING MOUNTED	DRAW., DWG. E.C. E.F., EF	DRAWING ELECTRICAL CONTRACTOR EXHAUST FAN
Ş	SPEAKER - WALL MOUNTED	E.H. E.P.R. E.W.	ELECTRIC HEATER ETHYLENE PROPYLENE RUBBER EACH WAY
ŞÇ	CLOCK/SPEAKER - WALL MOUNTED	EA. EHT	EACH ELECTRICAL HEAT TRACING CABLE
M	MICROPHONE	ELEC. CLO. ELEC./ELECT.	ELECTRICAL CLOSET ELECTRIC
SV	SOUND VOLUME CONTROL	ELEV. /EL. EM	ELEVATION/ELEVATOR EMERGENCY POWER PACK COMPLETE
IC	INTERCOM	EMT	ELECTRICAL METALLIC TUBING ENCLOSURE
	CLOCK/SPEAKER BAFFLE	ENCL. ENT.	ENTRANCE
$\overline{\mathbf{k}}$	HORN LOUDSPEAKER (WP - WEATHERPROOF)	emerg. Equip. Est.	EMERGENCY EQUIPMENT ESTIMATE
wp ©	WALL MOUNTED CLOCK	EX. /E EXT. E.O.	EXISTING EXTERNAL/EXTERIOR ELECTRICALLY OPERATED
	BEAM DETECTOR	F.A. FACP F.E.	FIRE ALARM FIRE ALARM CONTROL PANEL FIRE EXTINGUISHER
$\bigcirc$	PRISM REFLECTOR	F.O.	FIBER OPTIC
	MOTOR STARTER WITH THERMAL OVERLOAD RELAY	FDN. FIG. FIN.	FOUNDATION FIGURE FINISH/FINISHED
-√-/- .∰	INDICATES EXISTING TO BE DEMOLISHED	FIXT. FL. FLA	FIXTURE FLOOR FULL LOAD AMPERES
	DENOTES POINT OF CONNECTION OF EXISTING TO NEW	FLEX. F.L.M.C. FLOOR.	FLEXIBLE FLEXIBLE LIQUIDTIGHT METALLIC CONDUIT FLUORESCENT
XX	EQUIPMENT DESIGNATION TAG	FC FT	FOOTCANDLE FAULT TRIP
└́́́́́	SITE LIGHTING (MUSCO LIGHTING SYSTEM)	FT.	FEET
<del></del>	SHE ESTING (MODOO EIOTHING STUTEM)		

FU.	FUSE /FUSED
G.C. GA.	FUSE/FUSED GENERAL CONTRACTOR GAGE/GAUGE
GA. GALV. GEN.	GALVANIZED GENERATOR
GFCI GFI	GROUND FAULT CIRCUIT INTERR GROUND FAULT INTERRUPTER
GRD, GND., G GRS, G.R.S.	
0.70	
H.O.A. H.P.S.	GENERATOR TRANSFER DEVICE HIGH INTENSITY DISCHARGE HAND OFF AUTO HIGH PRESSURE SODIUM HEXAGON HANDHOLE HORIZONTAL
HEX. HH	HEXAGON HANDHOLE
HORIZ. H.P./HP.	HORIZONTAL HORSEPOWER
HPF HT.	HIGH POWER FACTOR HEIGHT HOT WATER HEATER
HWH HZ.	HOT WATER HEATER HERTZ
IMC	INTERMEDIATE CONDUIT
INSUL.	INCANDESCENT INSULATION/INSULATED ISOLATED
ISP IS	INTERNET SERVICE PROVIDER INTRINSICALLY SAFE
IT IAP	INFORMATION TECHNOLOGY INTRUSION ALARM PANEL
IAKP	INTRUSION ALARM KEYPAD JUNCTION BOX
KAIC KVAR	THOUSAND AMPERES INTERRUP
KO kW	KNOCKOUT KILOWATT
KCMIL KWH	THOUSAND CIRCULAR MILS KILOWATT HOUR
KHZ kV	KILOHERTZ KILOVOLT
kVA LG.	KILOVOLT-AMPERE LENGTH
LF. LG.	LINEAR FEET LONG
LRA LT.	LOCKED ROTOR AMPERES LIGHT
LTG. M.L.O.	LIGHTING MAIN LUGS ONLY
M/C MANUF., MFR.	MULTI-CONDUCTOR MANUFACTURER
MAX. M.B./MB	MAXIMUM MAIN BREAKER
M.C.B./MCB MCC	MAIN CIRCUIT BREAKER MOTOR CONTROL CENTER
MCM MDS	THOUSAND CIRCULAR MILLS MAIN DISTRIBUTION SWITCHBOAF
MDP MECH.	MAIN DISTRIBUTION PANEL MECHANICAL
MET. MF	METALLIC MAINTENANCE FACTOR
MG MIN.	MOTOR GENERATOR MINIMUM
MISC. MTD.	MISCELLANEOUS MOUNTED
MTG. N	MOUNTING NEUTRAL
NC NEC/N.E.C.	NORMAL CLOSED NATIONAL ELECTRICAL CODE
NEMA N.I.C. /NIC	NATIONAL ELECTRICAL MANUFACTUR
NO No., #	NORMALLY OPEN NUMBER
N.T.S./NTS NL	NOT TO SCALE NIGHT LIGHT CIRCUIT
N.F. P	NON FUSED POLE
PC P.J.L.C.	PHOTOCELL PAPER INSULATED LEAD COVER
PB, P PNL.	PULL BOX, BREAKER OR SWITCH PANELBOARD
PORC. PRI.	PORCELAIN PRIMARY
POE PTD.	POWER OVER ETHERNET PAINTED
PVC R	POLYVINYLCHLORIDE RADIUS
RAP R.C.SW.	REMOTE ANNUNCIATOR PANEL REMOTE CONTROL SWITCH
REBAR. REC.	REINFORCING BAR RECESSED, RECEPTACLE
RECEPT. REQ'D	RECEPTACLES REQUIRED
REV. RF	REVISE/REVISION RADIO FREQUENCY
RGA RGS	REMOTE GENERATOR ANNUNCIA RIGID GALVANIZED STEEL COND
RM. RT	ROOM ROOFTOP
S.F. S.S.	SQUARE FEET STAINLESS STEEL
SEC. SECT.	SECONDARY SECTION
SEP. SERV.	SEPARATE SERVICE
SHT.	SHEET

#### GENERAL NOTES

1. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED AND GROUNDED IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, THE SPECIFICATIONS FOR GROUNDING, THE CONTRACT DRAWINGS, FEDERAL, STATE AND LOCAL CODES AND TO THE SATISFACTION OF THE ENGINEER. ALL GROUNDING CONNECTIONS TO BE MADE BY THE CADWELD PROCESS OR EQUAL.

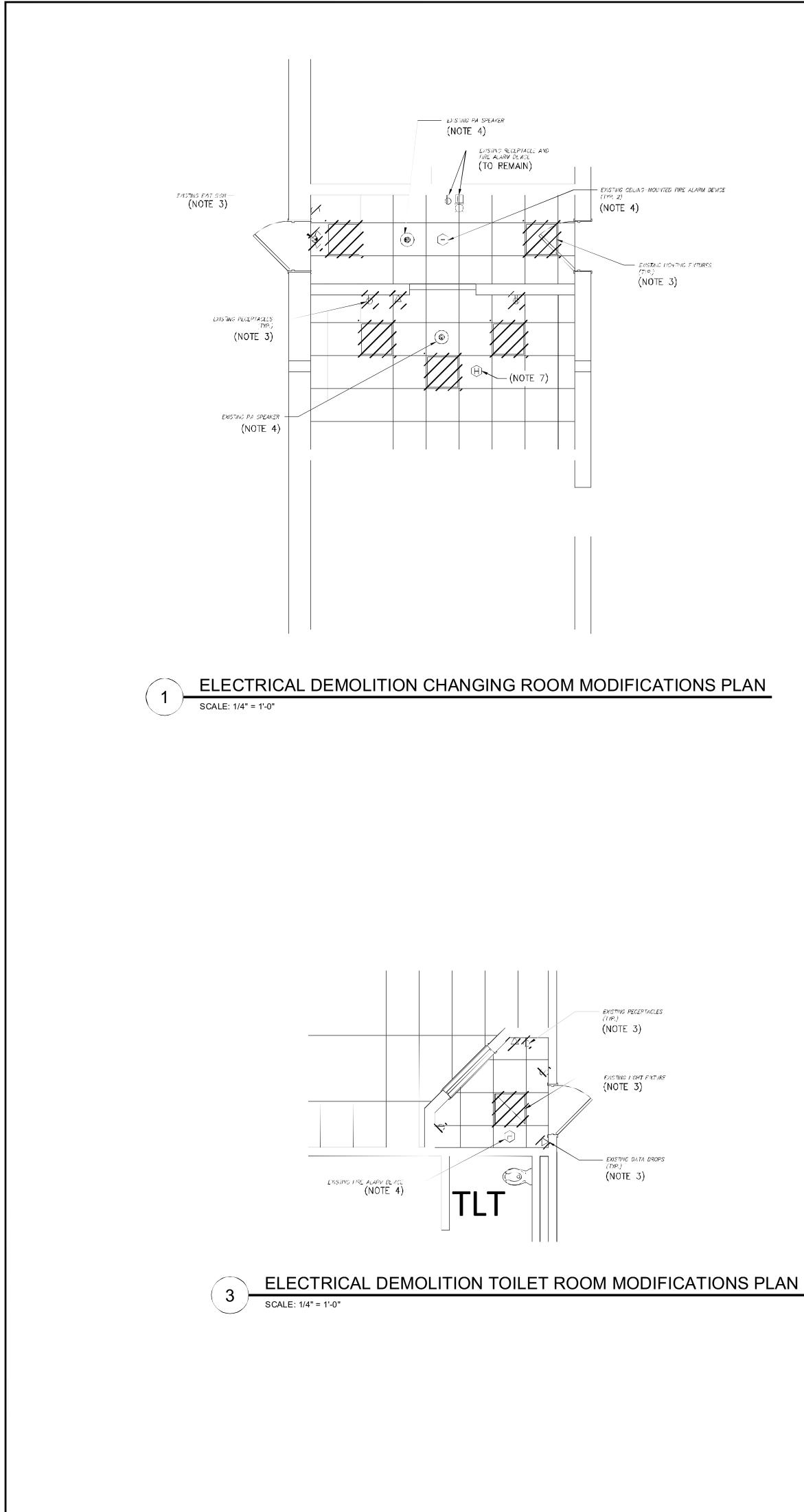
- 2. ALL CONDUITS AND ELECTRICAL EQUIPMENT ARE SHOWN DIAGRAMMATICALLY AND MAY BE ALTERED TO SUIT FIELD
- CONDITIONS PENDING ENGINEER'S APPROVAL. 3. ALL PLANS ELEVATIONS AND CLEARANCES SHALL BE CHECKED IN THE FIELD PRIOR TO INSTALLATION TO AVOID ALL
- OBSTRUCTIONS. 4. ALL JUNCTION BOXES SHALL BE OF SUFFICIENT SIZE TO PROVIDE FREE SPACE FOR ALL CONDUCTORS ENCLOSED IN THE BOX AND SHALL BE SIZED WITH THE LATEST N.E.C. ARTICLE 314.
- 5. ALL DIMENSIONS ARE APPROXIMATE AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
- 6. CONTRACTOR SHALL CHECK FOR OBSTRUCTIONS AND CLEAN OUT ALL CONDUITS PRIOR TO PULLING IN CABLES. 7. PHASING OF ALL ELECTRICAL CONNECTIONS SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR AND SHALL
- BE MADE IN ACCORDANCE WITH THE LOCAL UTILITY COMPANY REQUIREMENTS. 8. ALL HOLES THROUGH STRUCTURE TO ACCOMMODATE ELECTRICAL CONDUITS SHALL BE CORE DRILLED AND SEALED WITH NON-SHRINK GROUTING COMPOUND. WHERE RACEWAYS PASS THROUGH FLOORS AND FIRE RATED WALLS AND/OR PARTITIONS, CONTRACTOR SHALL FURNISH UL RATED FIREPROOFING MATERIAL TO BE INSTALLED IN STRICT COMPLIANCE
- WITH THE MANUFACTURER'S RECOMMENDATIONS AND RESTORE ORIGINAL FIRE RATING. 9. THE CONTRACTOR SHALL FURNISH STRUCTURAL SUPPORT FOR ALL EQUIPMENT. FOR SURFACE MOUNTED EQUIPMENT, SUCH AS PANELBOARDS, STARTERS, SAFETY SWITCHES AND THE LIKE, PROVIDE "UNISTRUT" WITH CORROSION RESISTANT MOUNTING HARDWARE.
- 10. NO CONDUIT SMALLER THAN 3/4" SHALL BE USED UNLESS OTHERWISE SPECIFIED.
- 11. ALL JOINTS BETWEEN DISSIMILAR METALS SHALL BE COATED WITH A LITHIUM BASED THREAD LUBRICANT.
- 12. RACEWAYS SHALL BE PROVIDED WITH AN APPROVED EXPANSION-DEFLECTION FITTINGS WHERE CROSSING BUILDING CONSTRUCTION EXPANSION JOINTS AND WHERE NECESSARY TO COMPENSATE FOR THERMAL EXPANSION AND
- CONTRACTION. 13. FURNISH AND INSTALL CONCRETE PADS FOR ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT.
- 14. PRIOR TO SUBMITTING PROPOSALS, BIDDERS ARE INSTRUCTED TO REVIEW PLANS AND SPECIFICATIONS OF ALL CONCURRENT WORK TO DETERMINE QUANTITIES OF LABOR AND MATERIAL NECESSARY TO INSTALL, CONNECT, AND TEST MATERIAL FURNISHED UNDER THESE SPECIFICATIONS. ANY ADDITIONAL LABOR AND MATERIAL REQUIRED DUE TO FAILURE OF THE CONTRACTOR TO FOLLOW THESE INSTRUCTIONS, SHALL BE FURNISHED AT NO ADDITIONAL COST TO THE OWNER.

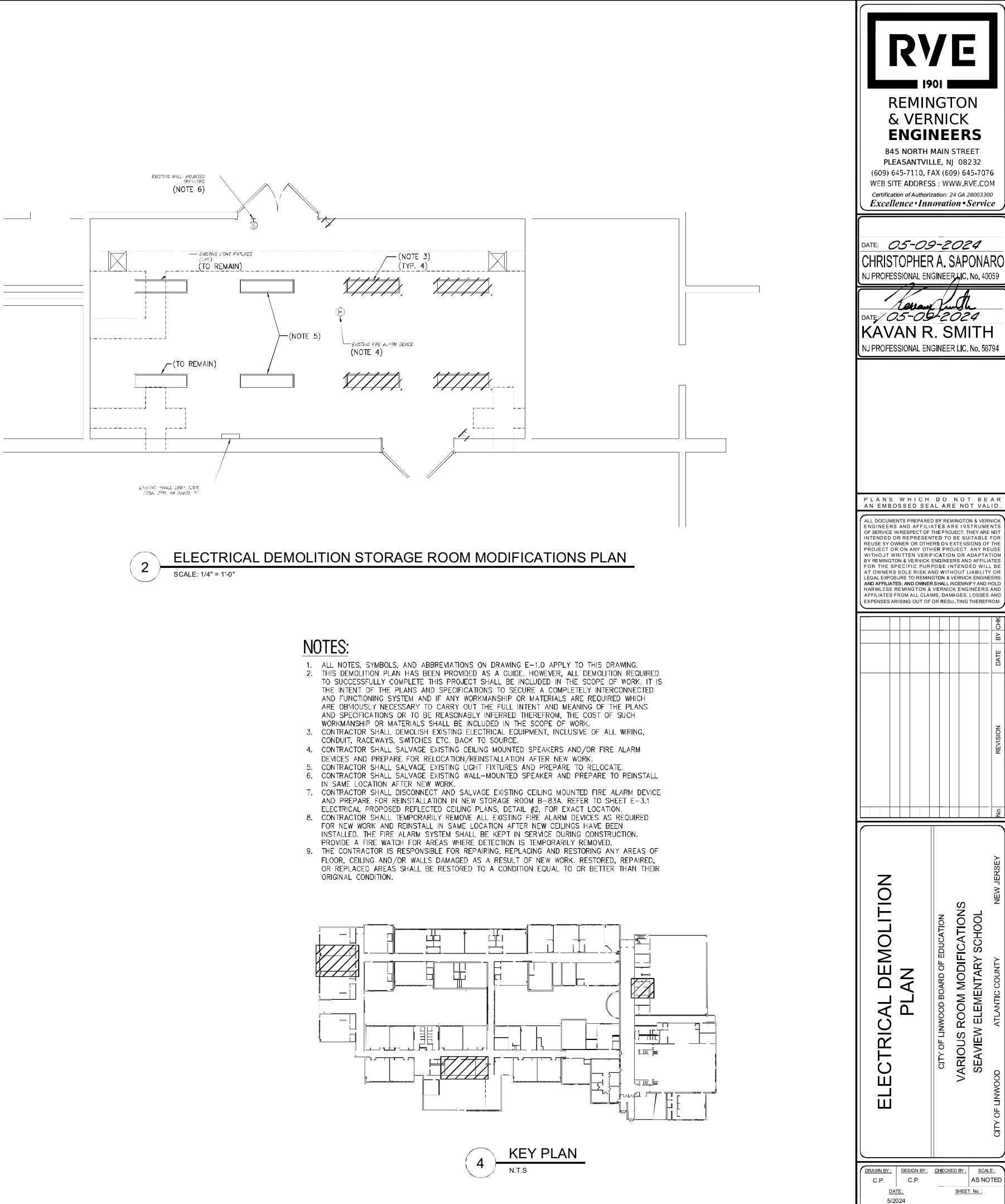
- 15. THE ELECTRICAL CO THIS PROJECT PRIOR
- OTHER TRADES AFF
- 16. THE CONTRACTOR
- THIS CONTRACT, US MANUFACTURER'S
- 17. INSTALL AN 1/8"
- 18. INSULATED COPPER
- 19. CONDUCTORS USED LEAST NO. 12 AWG
- 20. CONTRACTOR SHALL
- WORKING WITH OR I 21. CONTRACTOR SHALL
- 22. INTERRUPTION OF TO MAINTAIN THE
- 23. WHEN CONDUIT OR
- CENTER OF LOAD,
- FULL CIRCUIT CAPA 24. HEAVIER LINE WEIGH
- AND ITALICIZED TEX 25. CONTRACTOR SHALL
- DEMOLISHED EQUIPN
- 26. CONTRACTOR SHALL COMMUNICATIONS,
- 27. THE CONTRACTOR WHERE EXISTING CO
- PROVIDE THE REQUI REPAIRING OF THE INSTALLATION.

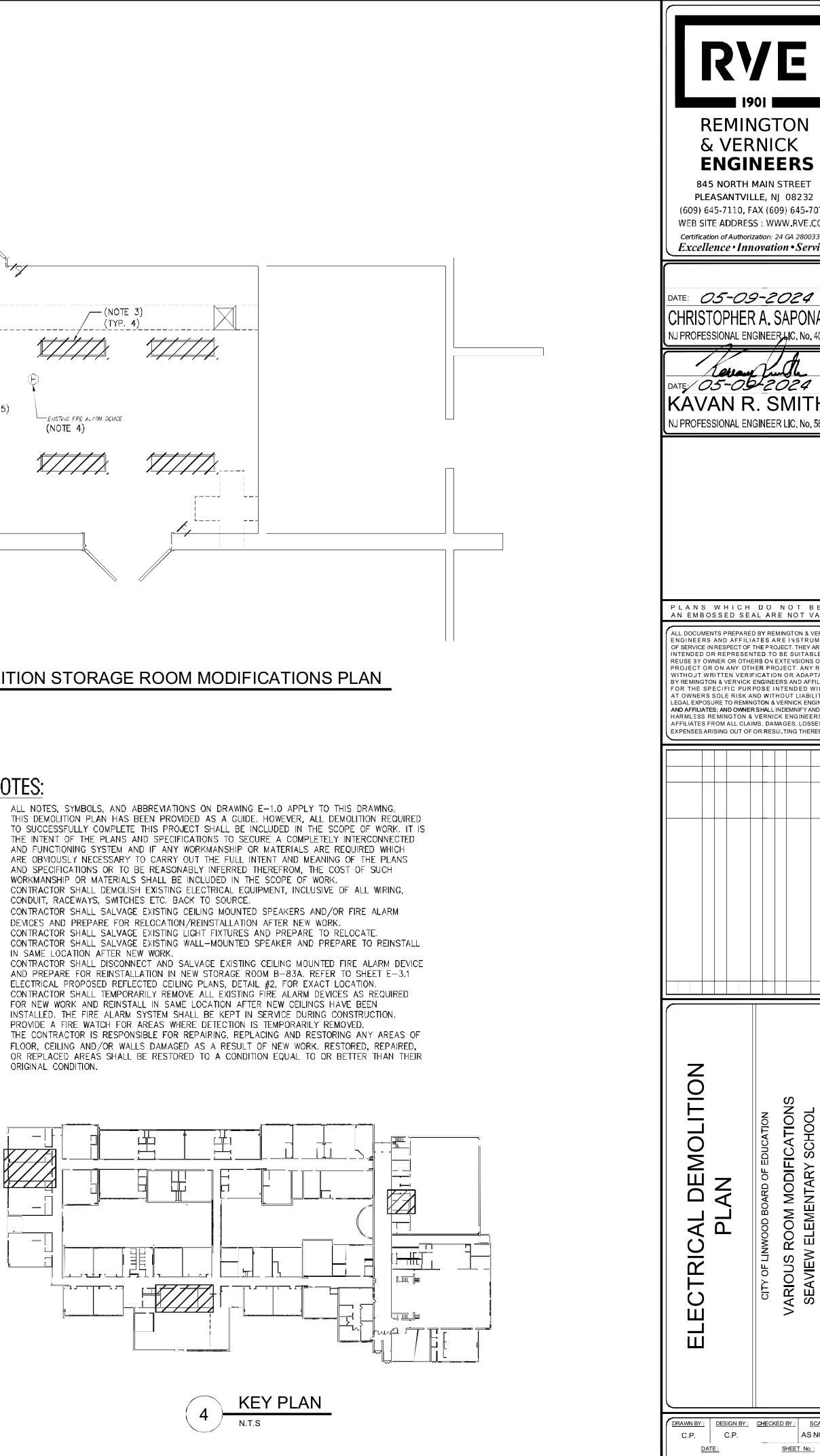
RRUPTER R	SIG. SK. SN SPEC: SPD SQ. SSRV STA. SUSP SW. SWBD SYM. T.C./ TEL. THRU T.O.S. TP	TC	SIGNAL SKETCH SOLID NEUTRAL SPECIFICATIONS SURGE PROTECTI SQUARE SOLID STATE REI VOLTAGE STARTE STATION SURFACE SUSPENDED SWITCH SWITCHBOARD SYMMETRICAL TIME CLOCK TELEPHONE THROUGH TOP OF SLAB (C TWISTED PAIR	DUCED R	TRANS./X TYP. U.O.N. UH UL UPS V VD VERT. V.I.F./VIF VS. W W.I. W/ W/O WD. WP XLPE	UNIT UNDE UNIN VOLT VOLT VERT VERS WIRE WROU WITH WITH WIDE WEAT	CAL SS OTHERWISE HEATER RWRITING LABO TERRUPTIBLE PO AGE, VOLTS AGE DROP ICAL Y IN FIELD US JGHT IRON	RATORIES DWER SOURCE	REMI & VE ENG 845 NORT PLEASANTY (609) 645-7110 WEB SITE ADDR Certification of Auth	A Constant of the service of the ser
JPTING CAPACI	ΤΥ		STAI MOUNTING HEIGHTS DTHERWISE SPECIFI DIMENSIONS ARE T WITCHES ELEPHONE – WALL ELEPHONE – WALL ELEPHONE – DESK ECEPTACLE – GEN ECEPTACLE – MEC IRE ALARM GONG IRE ALARM FULL S IRE ALARM STROB INTE ALARM STROB INTE ALARM STROB	FOR EQUIP CALLY LABE O THE CENT TYPE TYPE IERAL OFFIC CHANICAL RO OR SPEAKEP	MENT SHALL LED. (UNLESS ERLINE OF B 3'-8' 1'-6" E 1'-6" DOMS 3'-0' R 6'-8' 3'-8' 6'-8' 6'-5' 6'-0'	BE         AS         LIST           S         OTHERWIS           OXES.)         '           '         A.F.F.           '         A.F.F.		ESS SPEAKER LL ROBE AKER MAX.	NJ PROFESSIONAL	RA. SAPONARO ENGINEERLIC, No. 40059 2024 R. SMITH ENGINEER LIC, No. 56794
)ARD	AMP5 15	CKT. TYPE	CONDUCTOR & NEUTRAL 14	CONDU (AWG/KCMIL EQUIPMENT GROUND 14	1'-6" 1 3'-8' 4'-6' JIT SIZ ) SUPPLY SIDE BONDING JUMPER 8	NO. OF WIR A 2W+G 3/4	BES & CONDUIT B 3W+G 3/4	SIZE IN INCHES C 4W+G 3/4	AN EMBOSSED S ALL DOCUMENTS PREPA ENGINEERS AND AFF OF SERVICE IN RESPECT	H D O N O T B E A R E A L A R E NO T VALID. RED BY REMINGTON & VERNICK ILIATES ARE INSTRUMENTS OF THE PROJECT. THEY ARE NOT
TURER ASSOC.	20 30 40 50 60 70 80 90 100 125 150 175	2 3 4 5 6 7 8 9 10 11 12 13	$ \begin{array}{r} 12\\ 10\\ 8\\ 6\\ 4\\ 4\\ 3\\ 2\\ 1\\ 1\\ 1/0\\ 2/0\\ 7\\ 7\\ 7\\ 7\\ 7\\ 7\\ 7\\ 7\\ 7\\ 7\\ 7\\ 7\\ 7\\$	12 10 10 10 10 8 8 8 8 8 6 6 6 6 6 6	8 8 8 8 8 8 8 8 8 6 6 6 6 6 4	3/4 $3/4$ $3/4$ $1$ $1$ $1-1/4$ $1-1/4$ $1-1/4$ $1-1/4$ $1-1/2$ $2$	$ \begin{array}{r} 3/4 \\ 3/4 \\ 1 \\ 1-1/4 \\ 1-1/4 \\ 1-1/4 \\ 1-1/4 \\ 1-1/2 \\ 1-1/2 \\ 2 \\ 2 \\ 2 \\ 7 \end{array} $	3/4     3/4     1     1-1/4     1-1/4     1-1/4     1-1/2     2     2     2     2     2     2     2	REUSE BY OWNER OR O PROJECT OR ON ANY O WITHOUT WRITTEN VE BY REMINGTON & VERVI FOR THE SPECIFIC P AT OWNERS SOLE RIS LEGAL EXPOSURE TO RE AND AFFILIATES; AND OW HARMLESS REMINGTOI AFFILIATES FROM ALL O	EENTED TO BE SUITABLE FOR THERS ON EXTENSIONS OF THE OTHER PROJECT. ANY REUSE ERIFICATION OR ADAPTATION CK ENGINEERS AND AFFILIATES UR POSE INTENDED WILL BE K AND WITHOUT LIABILITY OR MINGTON & VERNICK ENGINEERS NERSHALL INDEMNIFY AND HOLD N & VERNICK ENGINEERS AND OF OR RESULTING THEREFROM.
ERED TCH POLE	200 225 250 275 300 325 350 400 500 600 700 800 1000	14 15 16 17 18 19 20 21 20 21 22 23 24 25 26	3/0 4/0 250 KCMIL 300 KCMIL 350 KCMIL 400 KCMIL 500 KCMIL (2) 4/0 (2) 250 KCMIL (2) 350 KCMIL (2) 500 KCMIL (3) 300 KCMIL (3) 400 KCMIL	6 2 2 2 1/0 1/0 (2) 2 (2) 2 (2) 2 (2) 1 (2) 1/0 (3) 1/0 (3) 2/0	4 2 2 2 1/0 1/0 (2) 1/0 (2) 1/0 (2) 2/0 (2) 2/0 (3) 2/0 (3) 2/0	2 2 2 2 2-1/2   	$\begin{array}{c c} 2\\ 2-1/2\\ 2-1/2\\ 2-1/2\\ 2-1/2\\ 2-1/2\\ (2) 2\\ (2) 2\\ (2) 2\\ (2) 2-1/2\\ (2) 3\\ (3) 2-1/2\\ (3) 3\\ \end{array}$	$\begin{array}{c} 2-1/2 \\ \hline 2-1/2 \\ \hline 2-1/2 \\ \hline 2-1/2 \\ \hline 3 \\ \hline 3 \\ \hline 3 \\ \hline 3 \\ \hline (2) 2-1/2 \\ \hline (2) 2-1/2 \\ \hline (2) 2-1/2 \\ \hline (2) 3 \\ \hline (2) 3-1/2 \\ \hline (3) 3 \\ \hline (3) 3 \\ \hline \end{array}$		REVISION
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OR TO ROUGHIN FECTING ALL EI SHALL CHECK SING ACCURATI SPECIFIC RECO NCH POLY PRO CONDUCTORS FOR CONTROL FOR CONTROL SUNLESS OTHE L PROVIDE ALL NEAR ENERGIZ L REMOVE ALL SERVICE SHALL PROPER OPERA CABLE RUNS NO. 10 AWG W ACITY. SHT SYMBOLS A XT INDICATE EX L SALVAGE AL MENT. L COORDINATE AND CONTROL SHALL PROVIDE ONDITIONS WAR	IG IN. TH LECTRICA AND TOR ELY CALII MMENDAT PYLENE FOR EQU FOR EQUIP OBSOLE BE SCHI VIION OF FOR POW IRE OR L ND TEXT KISTING C L DEMOLI THE REM OF THE E A THOF RANT CH	E CO QUE BRATE IONS. (PULI JIPME SHAL PECIFI FACIFI FACIFI TE EC EDULE THE EDULE THE SHED IOVAL FACIL COUGE IANGE	TIGHTEN ALL CONNED TOOLS. TORQUE INT GROUNDING SHIEL BE AT LEAST N ED. SAFETY EQUIPMEN AND COORDINA FACILITY. ND LIGHTING EXCE R SHALL BE USED CATE NEW WORK UN IONS TO REMAIN EQUIPMENT AND LAND INSTALLATION H EVALUATION OF IS TO ACCOMMODA	OBTAIN AND VECTIONS, W VE SETTINGS L SPARE CO IALL BE ROU O. 14 AWG T AND EXER T AND EXER T AND EXER T AND WIRI TED WITH TH ED 60 FT. F AS REQUIR VAS REQUIR VERIFY WITH ON OF ALL F IER. THE EXISTIN VE THE NEW	D REVIEW APF (HETHER FACT SHALL BE IN DIDUITS. JTED WITH AL AND ALL POW CISE PRECAU NG, EXCEPT N HE OWNER AN FOR 120 VOLT RED FOR A MA ERWISE NOTED HERWISE NOTED	PROVED SHO FORY MADE ACCORDAN L POWER C VER CONDUC UTION ARY PI WHERE OTH ND HELD TO FOR 120 F AXIMUM 3% D. LIGHT LIN DR TO DISPO DCIATED WIT SITE AND BU INED, THE C	OP DRAWINGS C OR MADE UNDI NCE WITH THE CONDUCTORS. CTORS SHALL B ROCEDURES WH ERWISE NOTED. MINIMUM IN O T. FOR 277 VO VOLTAGE DROF NE WEIGHT SYM DSING OF THE H SURVEILLANC DILDING CONDITI CONTRACTOR SH	F ALL ER ER ER EN RDER LT TO P AT BOLS EF, IONS. HALL	ELECTRICAL COVER	CITY OF LINWOOD BOARD OF EDUCATION VARIOUS ROOM MODIFICATIONS SEAVIEW ELEMENTARY SCHOOL CITY OF LINWOOD ATLANTIC COUNTY N
JIRED WORK AN	ID MATER	RIALS	TO INCLUDE ANY COMMODATE THE	AND ALL AL	_TERATIONS, [	DEMÓLITION,	PATCHING, AN		C.P. DESIGN B C.P. C.P. DATE: 5/2024	Y: <u>CHECKED BY:</u> <u>SCALE:</u> AS NOTED <u>SHEET No. :</u>

E-1.0

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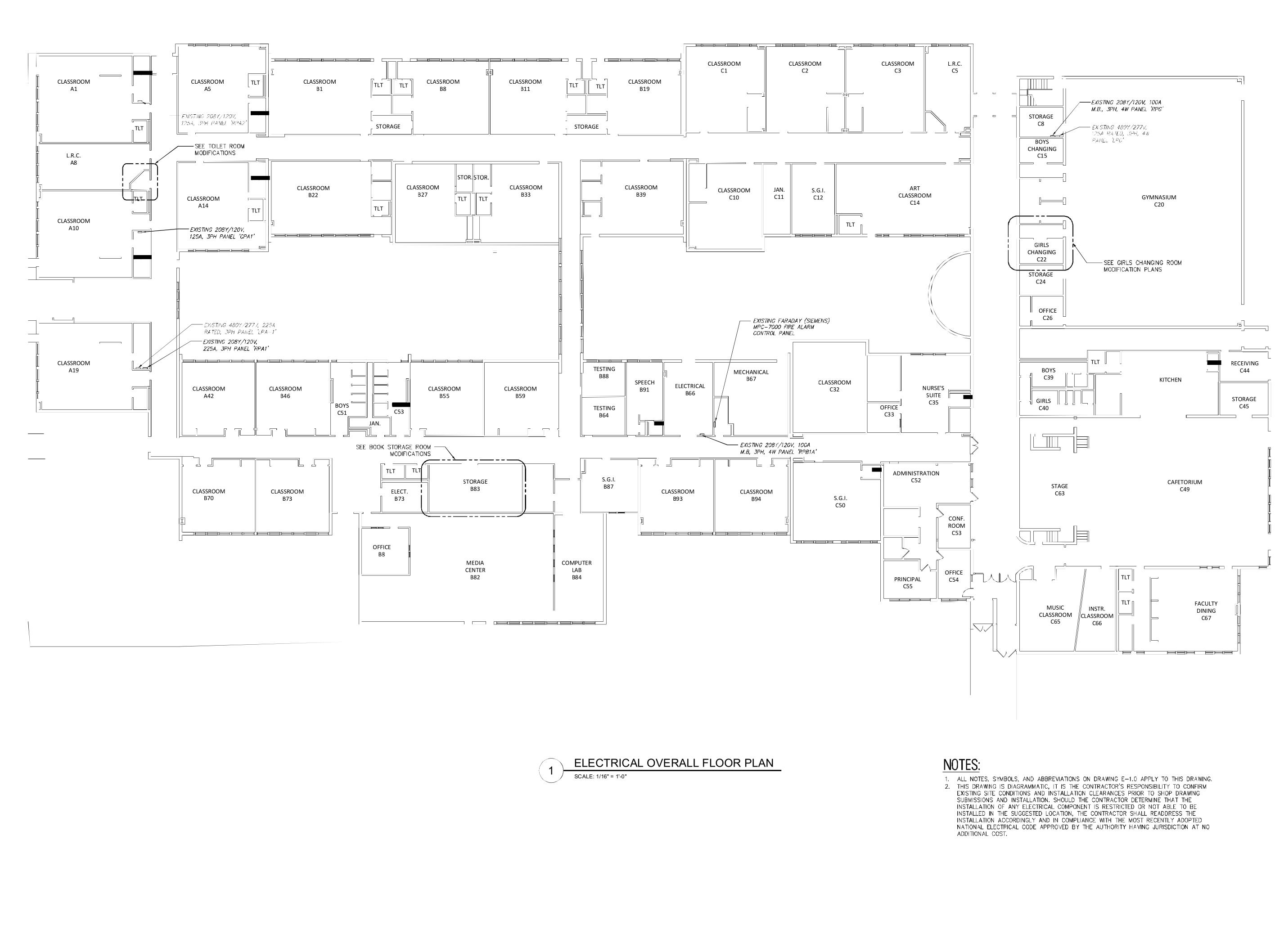




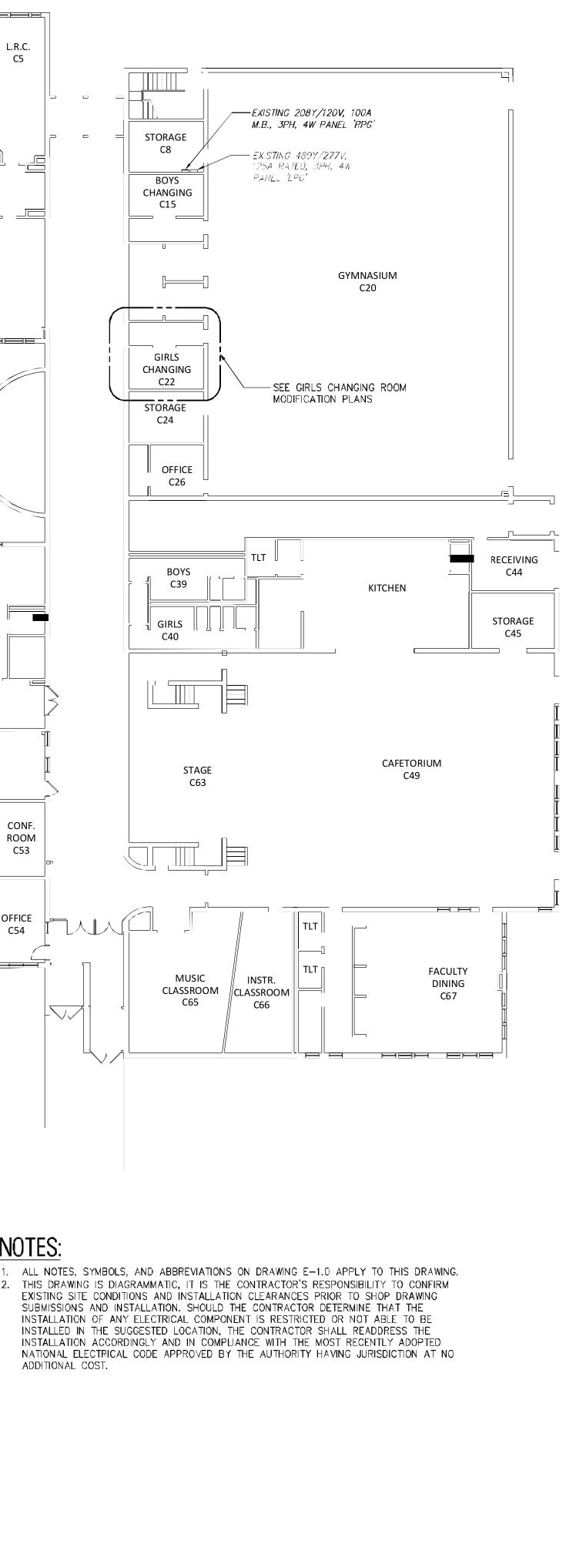


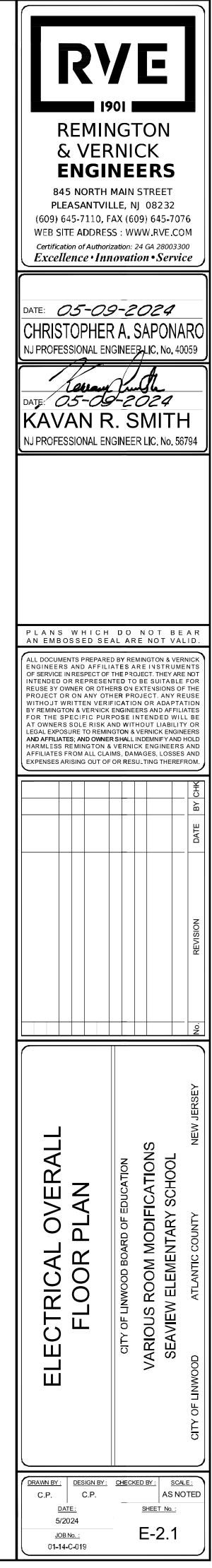
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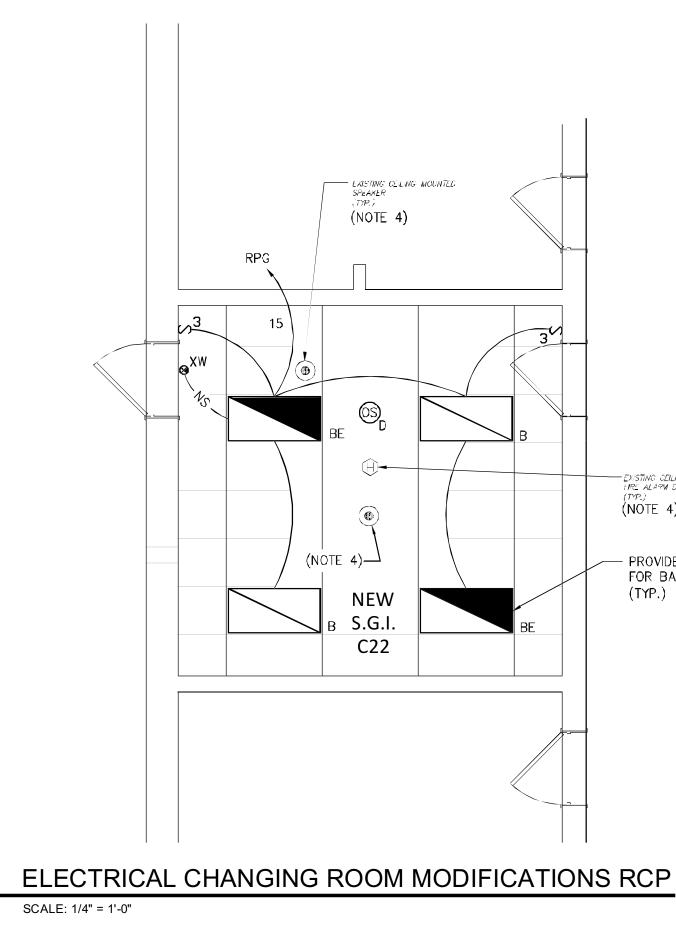
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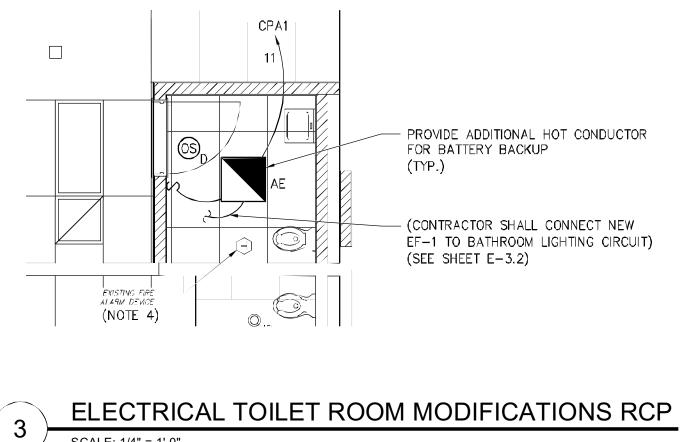




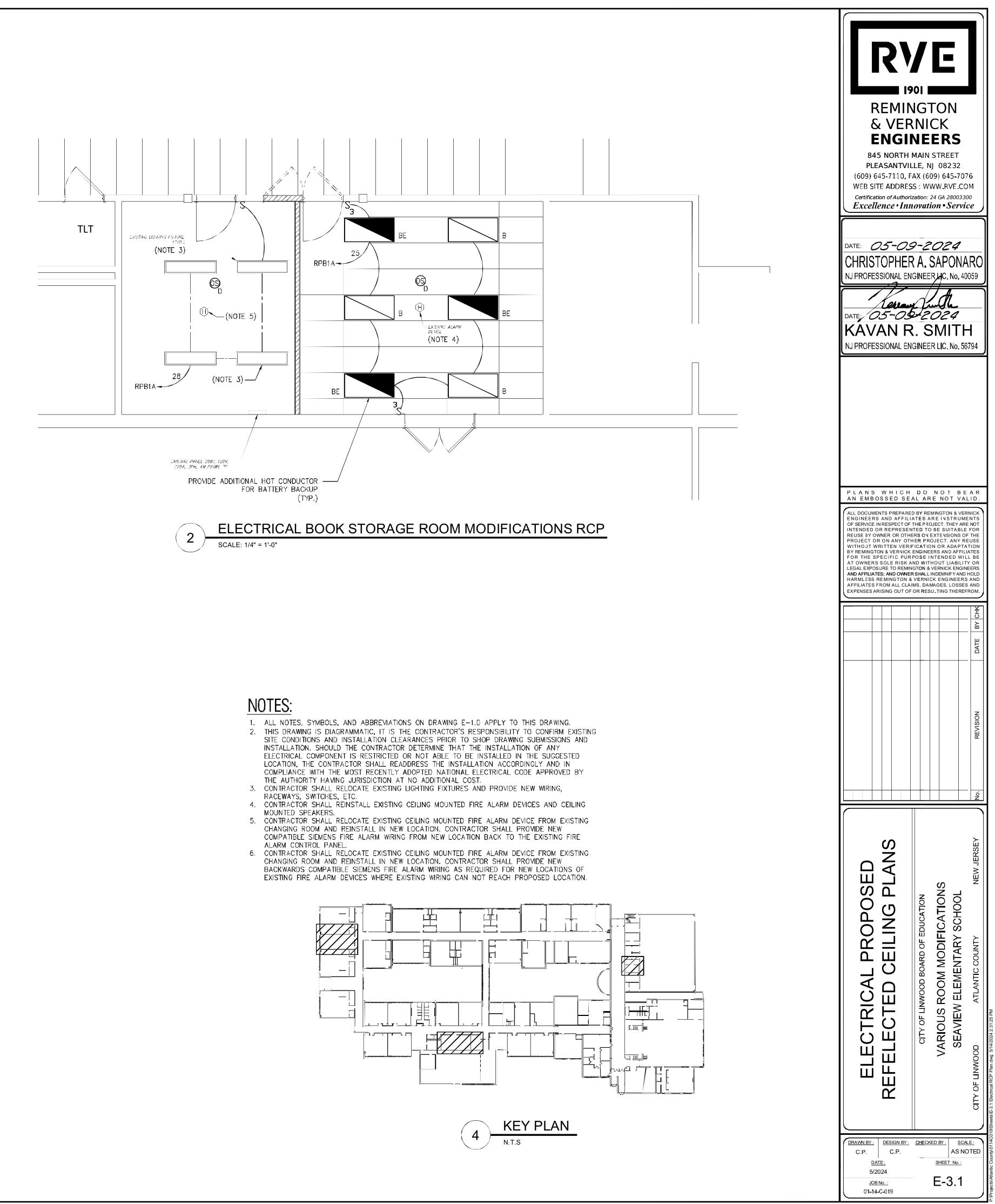






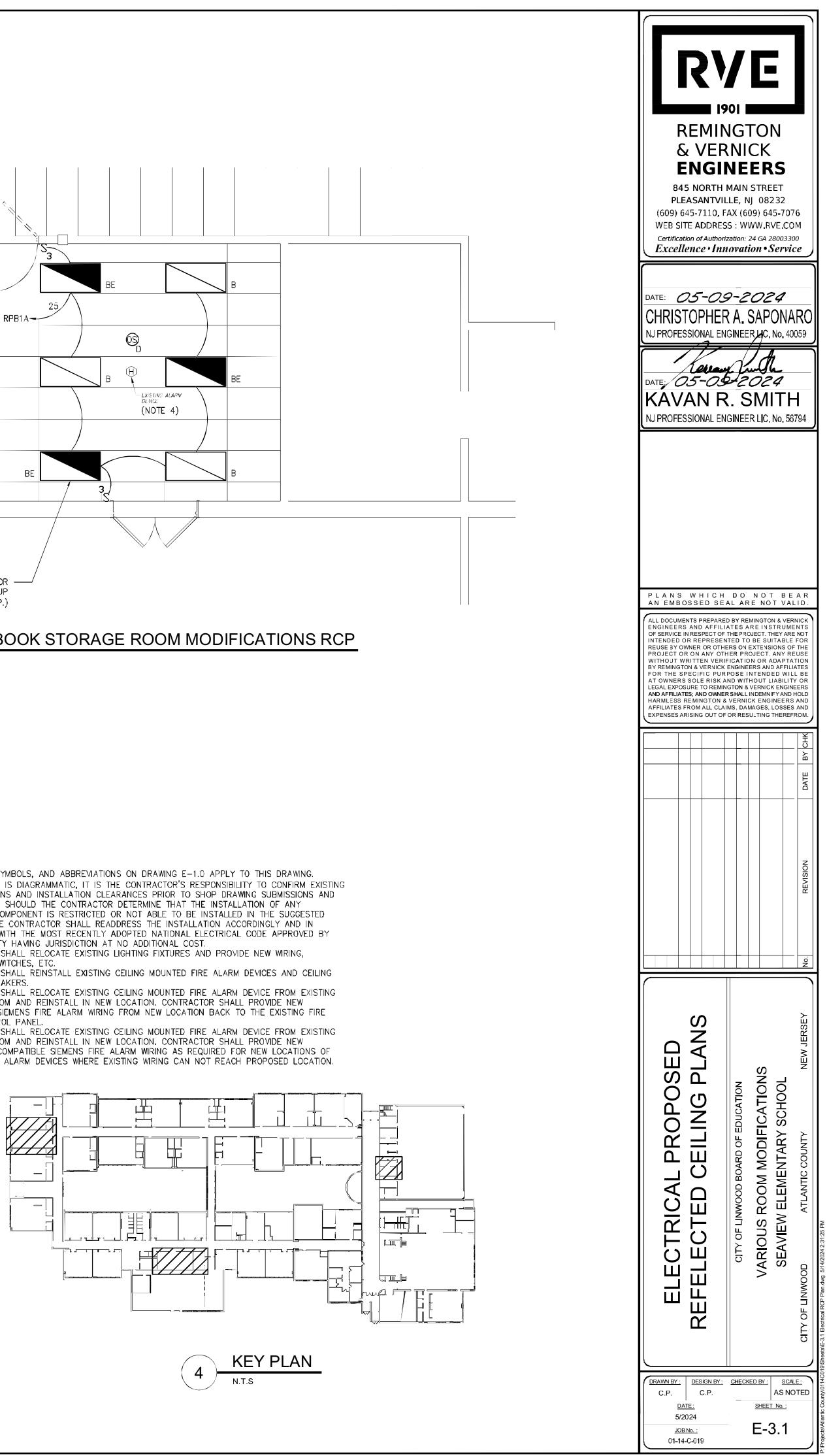


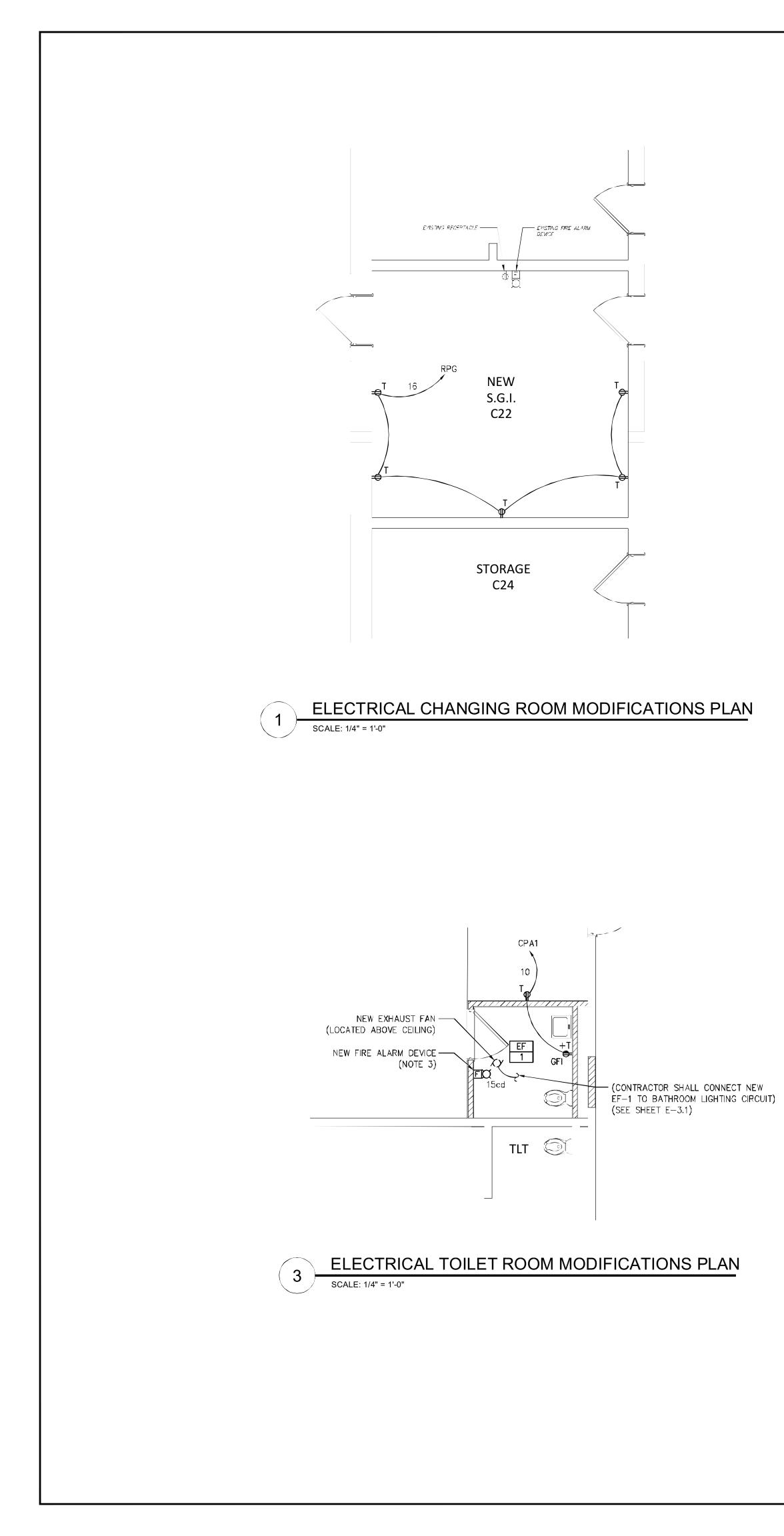
SCALE: 1/4" = 1'-0"

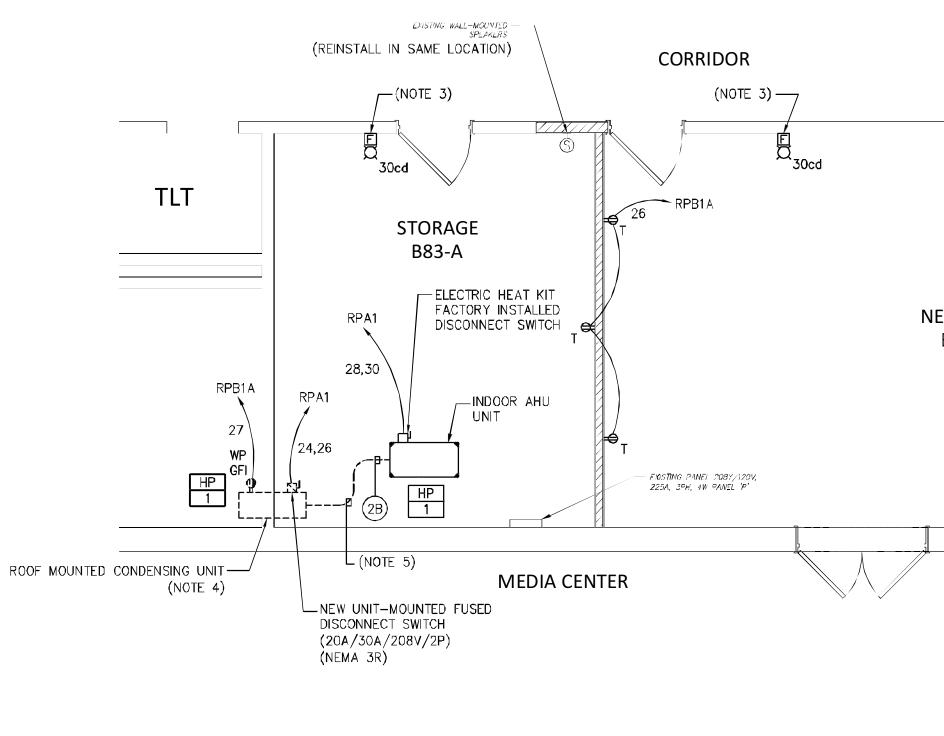


EXISTING CEILING-MOUNTED HRE ALARM DEVICE (NOTE 4)

- PROVIDE ADDITIONAL HOT CONDUCTOR FOR BATTERY BACKUP (TYP.)



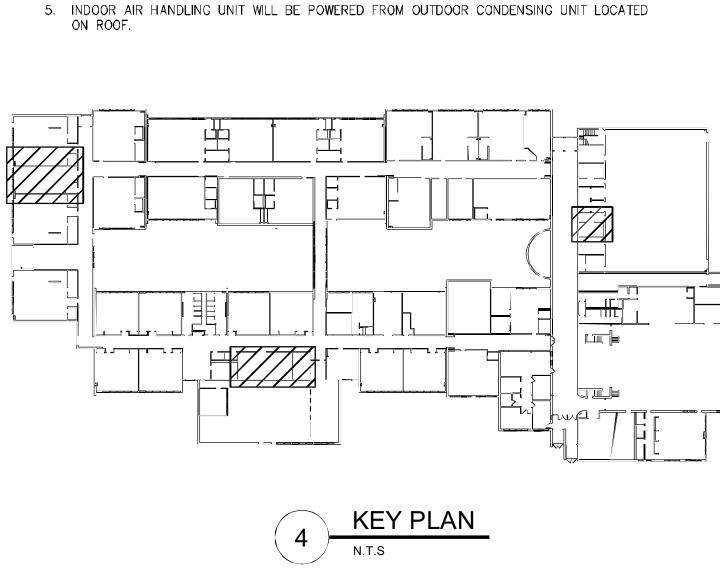




SCALE: 1/4" = 1'-0"

## NOTES:

- 2. THIS DRAWING IS DIAGRAMMATIC, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM ADDITIONAL COST.
- CONTRACTOR'S BID. 4. CONTRACTOR SHALL COORDINATE ALL LOW-VOLTAGE HVAC REQUIREMENTS WITH HVAC CONTRACTOR.



3. PROVIDE ALL WIRING, CONDUIT, PROGRAMMING, TESTING, EXPANSION CARDS, SLAVE FIRE ALARM CONTROL PANELS, ETC. TO CONNECT NEW FIRE ALARM DEVICES INTO THE EXISTING FIRE ALARM SYSTEM IN ACCORDANCE WITH NFPA 72. FIELD VERIFY THE LOCATION, BRAND, CATALOG NUMBER OF ALL EXISTING FIRE ALARM PANELS, CONTROLLERS, DEVICES, ETC. AND INCLUDE ALL COSTS FOR THE CONNECTION OF THE NEW FIRE ALARM DEVICES IN THE

SUBMISSIONS AND INSTALLATION. SHOULD THE CONTRACTOR DETERMINE THAT THE INSTALLATION OF ANY ELECTRICAL COMPONENT IS RESTRICTED OR NOT ABLE TO BE INSTALLED IN THE SUGGESTED LOCATION, THE CONTRACTOR SHALL READDRESS THE INSTALLATION ACCORDINGLY AND IN COMPLIANCE WITH THE MOST RECENTLY ADOPTED NATIONAL ELECTRICAL CODE APPROVED BY THE AUTHORITY HAVING JURISDICTION AT NO

EXISTING SITE CONDITIONS AND INSTALLATION CLEARANCES PRIOR TO SHOP DRAWING

1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING E-1.0 APPLY TO THIS DRAWING.



NEW S.G.I. B83-B

I.T. CLOSET/OFFICE

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

RVE

REMINGTON

& VERNICK ENGINEERS

845 NORTH MAIN STREET

PLEASANTVILLE, NJ 08232

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Excellence • Innovation • Service

CHRISTOPHER A. SAPONARC

NJ PROFESSIONAL ENGINEERLIC, No. 40059

Leven Jundh DATE 05-09-2024 KAVAN R. SMITH

NJ PROFESSIONAL ENGINEER LIC. No. 56794

DATE: 05-09-2024

ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERVICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BI

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AFFILITES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM

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DATE :

5/2024

JOB No. : 01-14-C-019

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 DESIGN BY :
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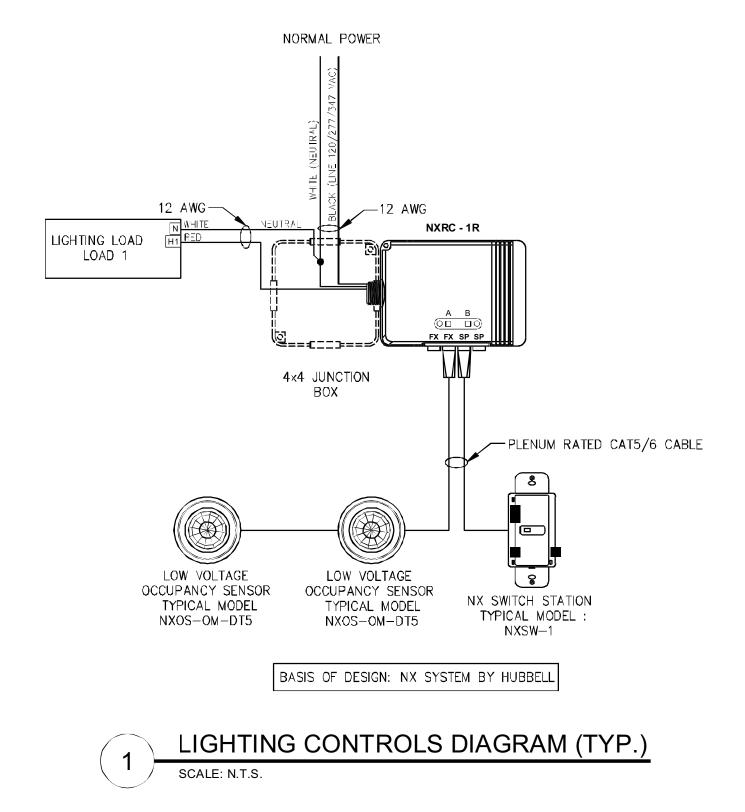
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AS NOTED

ULIA	GE:	208Y/120V,	3ø, 4W+G			MCB				POLES:	42			AIC RATING: EXISTING					
IAIN	BUS:	225A			х	MLO			_	MTG:	SURFA	CE		LOCATION: ELECTRICAL B66					
скт	CIRCUI	BREAKER	BRANCH	DESCRIPTION	kVA	PER P	HASE	REMARKS	REMARKS	kVA	PER PH	IASE	DESCRIPTION	BRANCH	CIRCUIT	BREAKER	Cł		
#	TRIP	POLE	CIRCUIT		A	В	с			A	В	с		CIRCUIT	POLE	TRIP			
1	20	1	EXISTING	RECEPT B-1	EXIST					EXIST			B-1 REF	EXISTING	1	20			
3	20	1	EXISTING	RECEPT B-1 CORRIDOR		EXIST					±χ/s7		B-1 RANGE	EXISTING	2	50			
5	20	1	EXISTING	RECEPT B-2			EXIS7					EX/57							
7	20	1	EXISTING	EX FAN CORRIDOR	EXIST					EXIST			UNIT HEATER CORRDIOR	EXISTING	1	<i>20</i>			
9	20	1	EXISTING	EX FAN CORRIDOR		EXIST					EXIST		F.A. A/Y PANEL	EXISTING	1	20	1		
11	20	1	EXISTING	EX FAN CORRIDOR			EXIST					EXIST	EXISTING	EXISTING	1	20	1		
13	20	1	EXISTING	EX FAN CORRIDOR	EXIST				(RECEPT)	EXIST			EXISTING	EXISTING	1	20	1		
15	20	1	EXISTING	RECEPT B-2,3		EXIST			(PROJECTOR)		<u>EXIST</u>		EXISTING	EXISTING	1	20	1		
17	20	1	EXISTING	UNIT HEATER ENTRY			EX/ST					EXIST	UV-B-1	EXISTING	1	20	1		
19	20	1	EXISTING	Τν ουπΤ	EXIST				OF	EXIST			U <b>V</b> -B- <b>1</b>	EXISTING	1	20			
21						EXIST			OFF		EXIST		UV-B-1	EXISTING	1	<i>20</i>			
23	100	3	EXISTING	PANEL RPA2			EXIST		ROOF			1.41	NEW SPLIT SYSTEM	4B	2	35	2		
25					EXIST					1.41			CU						
27				SPACE					(B83-A)		1.88		NEW AHU ELECTRIC	3B	2	25			
29				SPACE								1.88	HEAT KIT				3		
31				SPACE									SPACE						
33				SPACE									SPACE						
35				SPACE									SPACE				:		
37				SPACE									SPACE						
39				SPACE									SPACE						
41				SPACE									SPACE				4		
					0.00	0.00	0.00			1.41	1.88	3.29							
			18 T	OTAL CONNECTED LOAD (AMPS)	>							TOTAL C	ONNECTED LOAD (kVA)	6.58					



LTA	E:	208Y/120V,	3ø, 4W+G			мсв				POLES:	24			AIC RATING:	EXISTING			
NN E		125A			X MLO					MTG:	SURFAC	Æ		LOCATION: A10 STORAGE RM				
۲۲	CIRCUIT	BREAKER	BRANCH	DESCRIPTION	kVA	PER P	HASE	REMARKS	REMARKS	kVA	PER P	IASE	DESCRIPTION	BRANCH	CIRCUIT	BREAKER		
¥	TRIP	POLE	CIRCUIT		A	В	С			А	В	с		CIRCUIT	POLE	TRIP		
1	20	1	EXISTING	IG = C + IB									SPARE		1	20		
;	20	1	EXISTING	/G – C – 9									SPARE		1	20		
;	20	1	EXISTING	/G – B – 3,4									SPARE		1	20		
7	20	1	EXISTING	G - B - 1,2									SPARE		1	20		
9	20	1		SPARE							0.36		TOILET RM RECEPT.	2A	1	20		
1	20	1	2A	TOILET RM. LTG + EF-1			0.13						SPACE					
3				SPACE									SPACE					
5				SPACE									SPACE					
7				SPACE									SPACE					
3				SPACE									SPACE					
.1				SPACE									SPACE					
3				SPACE									SPACE					
					0.00	0.00	0.13			0.00	0.36	0.00						

OLTAG	E;	208Y/120V,	3ø, 4W+G		X MCB 100A/3P						24			AIC RATING: EXISTING				
AIN B	AIN BUS: 125A					MLO					SURFA	CE		LOCATION: STORAGE RM C8				
жт	CIRCUIT	BREAKER	BRANCH	DESCRIPTION	kVA	PER PH	IASE	REMARKS	REMARKS	kVA	PER P	ASE	DESCRIPTION	BRANCH	CIRCUIT	BREAKER	C	
#	TRIP	POLE	CIRCUIT		A	В	с			A	В	c		CIRCUIT	POLE	TRIP	i	
1	20	1	EXISTING	RECEPTS. WEST									SCOREBOARD S. RPG	EXISTING	1	20		
3	20	1	EXISTING	RECEPTS LOCKER, STORAGE									BLACKBOARD E.	EXISTING	1	25	4	
5	20	1	EXISTING	RECEPTS LOCKER, STORAGE									SCOREBOARD & REC. N.	EXISTING	1	25	ε	
7	20	1	EXISTING	RECEPTS EAST									UNIT HEATERS	EXISTING	1	20	8	
9	20	1	EX/STING	RECEPTS GYM									BLACKBOARD W.	EXISTING	1	20	10	
11	20	1		SPARE									SPARE		1	20	1:	
3	20	1		SPARE									SPARE		1	20	14	
5	20	1	2A	NEW S.G.I LTG		0.22		(C22)	(C22)		0.90		NEW S.G.I RECEPT.	2A	1	20	16	
7				SPACE									SPACE				18	
9				SPACE									SPACE				20	
21				SPACE									SPACE				2	
23				SPACE									SPACE				24	

3 TOTAL CONNECTED LOAD (AMPS)

NOTES: 1. ELECTRICAL CONRACTOR SHALL FIELD VERIFY, UPDATE DIRECTORY, AND PROVIDE COMPATIBLE CIRCUIT BREAKER WITHIN EXISTING PANEL 2

E:	208Y/120V,	3ø, 4W+G		x	100A / 3	3P		POLES:	<b>4</b> 2			AIC RATING: EXISTING				
J2:	1 <b>25A</b>				MLO				MTG:	SURFAC	CE		LOCATION:	ELECTRICAL	ROOM	
CIRCUIT	BREAKER	BRANCH	DESCRIPTION	kVA	PER PI	HASE	REMARKS	REMARKS	kVA	PER PH	ASE	DESCRIPTION	BRANCH	CIRCUIT	BREAKER	Cł
TRIP	POLE	CIRCUIT		Α	В	С			A	В	c		CIRCUIT	POLE	TRIP	
				EXIST								SPACE				
100	3	EX/STING	MAIN		EXIST							SPACE				
						EXIST						SPACE				
20	1	EX/STING	HALLWAY COMP. RECEPT	EXIST				OFF	EXIST			EXISTING	EXISTING	1	20	
20	1	EX/STING	HALLWAY COMP. RECEPT		EX157			OFF		EXIST		EXISTING	EXISTING	1	20	
20	1	EX/STING	ΕΧΙΣΠΝΟ			EXIST	OFF	OFF			EX/57	EXISTING	EXISTING	1	20	1
20	1	EXISTING	ΕΧΙSΤΙΝΟ	EXIST			OFF	OFF	EXIST			EXISTING	EXISTING	1	20	1
20	1	EXISTING	EXISTING		<b>EX</b> /37		OFF	OFF		EXIST		EXISTING	EXISTING	1	20	Ŀ
20	1	EX/STING	EXISTING			EXIST	OFF	OFF			EXIST	EXISTING	EXISTING	1	20	
20	1	EXISTING	EXISTING	EXIST			OFF	OFF	EXIST			EXISTING	EXISTING	1	20	:
20	1	EX/STING	EXISTING		EXIST		OFF			EXIST		WA SHER / DR YER	EXISTING	2	30	
20	1	EX/STING	EXISTING			EXIST	OFF				=X/S7					2
20	1	2A	NEW LIGHTING	0.40			(B83A-B)	(B83)	0.54			NEW RECEPTACLES	2A	1	20	Z
20	1	2A	HVAC CONVENIENCE REC.		0.18		ROOF	(B83)		0.20		NEW WIRING EX. LIGHTING	2A	1	20	Z
			SPACE									SPACE				3
			SPACE									SPACE				
			SPACE									SPACE				3
			SPACE									SPACE				
			SPACE									SPACE				;
			SPACE									SPACE				
			SPACE									SPACE				4
	JS: CIRCUIT TRIP 100 20 20 20 20 20 20 20 20 20 20 20 20 2	I25:         125A           CIRCUIT         BREAKER           TRIP         POLE           100         3           20         1           20         1           20         1           20         1           20         1           20         1           20         1           20         1           20         1           20         1           20         1           20         1           20         1           20         1           20         1           20         1           20         1           20         1	I25:         125A           CIRCUIT         BREAKER         BRANCH           TRIP         POLE         CIRCUIT           100         3         EXISTING           20         1         EXISTING           20	JS:125ACIRCUITBREAKERBRANCHDESCRIPTIONTRIPPOLECIRCUIT $100$ 3 $EXISTIVG$ $VAIN$ $20$ 1 $EXISTIVG$ $HALLWAY COVP. RECLPT$ $20$ 1 $EXISTIVG$ $HALLWAY COVP. RECEPT$ $20$ 1 $EXISTIVG$ $HALLWAY COVP. RECEPT$ $20$ 1 $EXISTIVG$ $EXISTING$ $20$ 1 $2A$ NEW LIGHTING $20$ 1 $2A$ NEW LIGHTING $20$ 1 $2A$ $SPACE$ $20$ 1 $2A$ $SPACE$ $20$ 1 $2A$ $SPACE$	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	IS:125AMLOCIRCUITBREAKERBRANCHDESCRIPTION $kVA$ PERPITRIPPOLECIRCUITAB1003 $EXISTIVG$ $VAIN$ $EXIST$ 201 $EXISTIVG$ $IALLWAY$ $COVP.$ $RECLP1$ $ZXIST$ 201 $EXISTIVG$ $IALLWAY$ $COVP.$ $RECLP1$ $ZXIST$ 201 $EXISTIVG$ $HALLWAY$ $COVP.$ $RECLP1$ $ZXIST$ 201 $EXISTIVG$ $EXISTING$ $EXIST$ $EXIST$ 201 $EXISTIVG$ $EXISTING$ $EXIST$ 20 <td< td=""><td>IS:125AMLOCIRCUITBREAKERBRANCHDESCRIPTIONKVAPERPHASETRIPPOLECIRCUITABC1003EXISTIVISVAIN$EXISTI201EXISTIVISHALLWAY COVP. RECLPTEXISTI201EXISTIVISHALLWAY COVP. RECLPTEXISTI201EXISTIVISHALLWAY COVP. RECLPTEXISTI201EXISTIVISEXISTINGEXISTI201EXISTIVISEXISTINGEXISTI201EXISTIVISEXISTINGEXISTI201EXISTIVISEXISTINGEXISTI201EXISTIVISEXISTINGEXISTI201EXISTIVISEXISTINGEXISTI201EXISTIVISEXISTINGEXISTI201EXISTIVISEXISTINGEXISTI201EXISTIVISEXISTINGEXISTI201EXISTIVISEXISTINGEXISTI201EXISTIVISEXISTINGEXISTI201EXISTIVISEXISTINGEXISTI201EXISTIVISEXISTINGEXISTI201EXISTIVISEXISTINGEXISTI201EXISTIVISEXISTII201EXISTIVISEXISTII&lt;$</td><td>$\begin{array}{c c c c c c c c c c c c c c c c c c c$</td><td>$\begin{array}{c c c c c c c c c c c c c c c c c c c$</td><td>IS     IS       CIRCUIT     BRAKER     BRANCH     DESCRIPTION     IVA     PER PHASE     REMARKS     REMARKS     IVA     A       TRIP     POLE     CIRCUIT     CIRCUIT     IS     B     C     A     A     A     A     A       TRIP     POLE     CIRCUIT     EXIST/IC     VAII     EXIST     IS     A     A     A     A     A       100     3     EXISTIVS     IMALWAY COVP. RECEPT     Z/ST     Z/ST     IS     IS</td><td>ISS     125A     MLO     MLG     SURFAC     MLG     SURFAC       ORCUIT     BRANCH     DESCRIPTION     KVA     PER     PHASE     REMARKS     REMARKS     REMARKS     KVA     PER     PL       TRIP     POLE     GIRCUIT     CIRCUIT     KVA     PER     PHASE     REMARKS     REMARKS     REMARKS     KVA     PER     PH       TRIP     POLE     GIRCUIT     CIRCUIT     KVA     PER     PH     PH     EX     REMARKS     REMARKS     REMARKS     KVA     PER     PH       100     3     EXISTIVE     MALINAT COVP. RECLPI     EXIST     C     CIRCUIT     CIRCUIT</td><td>IS:125.178.INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INT</td><td>IS.     IS.     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RECEPT     Z/ST     Z/ST     IS     IS	ISS     125A     MLO     MLG     SURFAC     MLG     SURFAC       ORCUIT     BRANCH     DESCRIPTION     KVA     PER     PHASE     REMARKS     REMARKS     REMARKS     KVA     PER     PL       TRIP     POLE     GIRCUIT     CIRCUIT     KVA     PER     PHASE     REMARKS     REMARKS     REMARKS     KVA     PER     PH       TRIP     POLE     GIRCUIT     CIRCUIT     KVA     PER     PH     PH     EX     REMARKS     REMARKS     REMARKS     KVA     PER     PH       100     3     EXISTIVE     MALINAT COVP. RECLPI     EXIST     C     CIRCUIT     CIRCUIT	IS:125.178.INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INTE:INT	IS.     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4 TOTAL CONNECTED LOAD (AMPS)

2

NOTES: 1. ELECTRICAL CONRACTOR SHALL FIELD VERIFY, UPDATE DIRECTORY, AND PROVIDE COMPATIBLE CIRCUIT BREAKER WITHIN EXISTING PANEL

LIGHT FIX	TURE SCHEDULE						
TYPE	STYLE	MOUNTING	MANUFACTURER	CATALOG NO.	LAMPS	VOLTS	REMARKS
AE	2X2 SCALER PANEL	RECESSED	COLUMBIA	SRP22-35MW-G-EDU-ELL14	LED	UNV	PROVIDE WITH EMERGENCY BATTERY BACKUP
	EDGE-LIT		LIGHTING		18 WATTS		
В	2X4 SCALER PANEL	RECESSED	COLUMBIA	SRP24-35MW-G-EDU	LED	UNV	
	EDGE-LIT		LIGHTING		33 WATTS		
BE	2X4 SCALER PANEL	RECESSED	COLUMBIA	SRP24-35MW-G-EDU-ELL14	LED	UNV	PROVIDE WITH EMERGENCY BATTERY BACKUP
	EDGE-LIT		LIGHTING		33 WATTS		
XW	EXIT SIGN	WALL	DUAL-LITE	EVE-U-R-W-E	LED	UNV	
					2 WATTS		

TOTAL CONNECTED LOAD (kVA) 1.12

TOTAL CONNECTED LOAD (kVA) 1.32

REM & VI ENC 845 NOR PLEASAN (609) 645-711 WEB SITE ADD Certification of Au Excellence	I I90 IIN ERN ERN SIN TH MA TVILLI 0, FAX DRESS uthorizat	II S NI E AIN E, N ( (6) : W)	<b>FON</b> <b>CK</b> <b>ER</b> STRE J J 082 D9) 64: WW.RV 24 GA 28	S ET 32 5-707 /E.CO 300330	М 0
DATE: 05-0 CHRISTOPH NJ PROFESSIONA DATE: 05-0 KAVAN	IER / L ENGI	A CAL			)59 
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AN EMBOSSED ALL DOCUMENTS PRE ENGINEERS AND AI OF SERVICE IN RESPEC INTENDED OR REPR REUSE 3Y OWNER OR PROJECT OR ON AN WITHOUT WRITTEN BY REMINGTON & VER FOR THE SPECIFIC AT OWNERS SOLE R LEGAL EXPOSURE TO F AND AFFILIATES; AND OF HARMLESS REMINGT AFFILIATES FROM ALL EXPENSES ARISING OF	PARED B FFILIATI CT OF THI ESENTE OTHERS VOTHER VERIFIC RICK EN PUR PO ISK AND REMINGT <b>JOWNER</b> S TON & VE CLAIMS	Y RE E S A E PRO D TO S ON I S ON I ATIO GINE SE I WIT ON & HALL ERNIO , DAI	MINGTON RE INS DJECT. TH BE SUI EXTENSII DJECT. J N OR AL ERS AND NTENDE HOUT LI VERNICK INDEMNIE CK ENGII MAGES, L	I & VERI TR UME TABLE ONS OF ANY RE DAPTA AFFILI ED WILI AFFILI ENGINE YAND H NEERS OSSES	NICK NTS NOT FOR THE USE TION ATES COR EERS HOLD AND AND
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					No. REVISION
ELECTRICAL DETAILS AND SCHEDULES					
DRAWN BY:         DESIGN           C.P.         C.P           DATE:         5/2024           JOB No.:         01-14-C-019		HECK	ED BY : SHEET E-4		

