ABBREVIATIONS		ARCHITECTURAL LEGEND	PLAN GRAPHICS LEGEND		
ABBREVIATIO	N DESCRIPTION	MATERIAL INDICATIONS	EXISTING CONSTRUCTION TO REMAIN		
ADD ADMIN	ADDENDUM ADMINISTRATIVE				
AFF ALT	ABOVE FINISHED FLOOR ALTERNATE	GRANULAR FILL	NEW CONCRETE MASONRY WALL		
APPROX ARCH AV	APPROXIMATE ARCHITECT / ARCHITECTURAL AUDIO VISUAL	BRICK	NEW METAL STUD WALL Image: Metal Stud Wall Image: Metal Stud Wall		
BLDG	BUILDING	CONCRETE MASONRY UNIT	EXISTING DOOR TO REMAIN		
BOT OR B/ BSMT	BASEMENT	CONCRETE			
CJ CL	CONTROL / CONSTRUCTION JOINT CENTERLINE	GROUT			
CLG / CLNG CLR CMU	CEILING CLEAR CONCRETE MASONRY UNIT	ROUGH WOOD BLOCKING	NEW DOOR		
COL CONC	COLUMN CONCRETE	SHIM	FINISHED DOOR OPENINGS SHALL BE LOCATED AS INDICATED		
CONF CONT COORD	CONFERENCE CONTINUOUS COORDINATE	FINISH WOOD	INSIDE OF FRAME TO WALL FINISH.		
CORR	CORRIDOR	PLYWOOD			
DET DIA	DEMOLITION DETAIL DIAMETER	SHEATHING			
DN DWG	DOWN DRAWING	RIGID INSULATION			
ED EIFS	EDUCATION EXTERIOR INSULATION FINISH SYSTEM	BATT INSULATION	<u> </u>		
ELECT EPDM EO	ELECTRIC / ELECTRICAL ETHYLENE PROPYLENE DIENE MONOMER	SPRAY FOAM INSULATION			
EQUIP EXST	EQUIPMENT EXISTING	EPS INSULATION	GENERAL NOTES		
EJ EXT	EXPANSION JOINT EXTERIOR	STEEL			
FE FIN	FIRE EXTINGUISHER FINISH		1. DIMENSIONS ARE GIVEN THUS (UNLESS OTHERWISE NOTED) A. TO FACE OF MASONRY WALL B. TO FACE OF OXDSUM WALL BOARD		
FIN FL FIXT FI R	FINISH FLOOR FIXTURE FLOOR	DIMENSIONING CONVENTIONS	 D. TO FACE OF GYPSOM WALL BOARD C. TO COLUMN CENTERLINES D. TO FINISH FACE OF SOFFIT OR CEILING 		
FRT FTG	FIRE-RETARDENT-TREATED MATERIAL FOOTING	FACE OF STUD OR CMU	E. FACE OF EXISTING CONSTRUCTION		
GA GAL	GAUGE GALLON		VERIFICATION BEFORE PROCEEDING WITH THE ASSOCIATED WORK		
GALV GC	GALVANIZE(D) GENERAL CONTRACT(OR)		3. WALLS ON COLUMN LINES ARE CENTERED, U.O.N.		
GWB GWBS	GROUND GYPSUM WALL BOARD GYPSUM WALL BOARD SOFFIT		ANY DISCREPANCIES PRIOR TO BEGINNING WORK IN THAT AREA.		
HC	HANDICAPPED ACCESSIBLE	<u>SYMBOLS</u>	 IN CASE OF CONFLICT BETWEEN NOTES, DETAILS AND SPECIFICIATIONS, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN. BRING ANY DISCREPENCIES TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH WORK. 		
HORIZ HR	HORIZONTAL HOUR	CLASSROOM ROOM NAME	6. LAYOUT OF TOILET FIXTURES AND ACCESSIBILITY CLEARANCES ARE SHOWN AS CLEAR DIMENSION. CONTRACTORS ARE REQUIRED TO COORDINATE LAYOUTS OF PARTITIONS, UTILITY CONNECTIONS, AND THICKNESS OF FINISHES TO ALLOW THESE		
HT HTG HVAC	HEIGHT HEATING HEATINGA/ENTILATING/AIR CONDITIONING	000 S.F. AREA OF ROOM	CLEAR DIMENSIONS. 7. ALL ELEVATIONS (X'-X") ARE REFERENCE FROM FIRST FLOOR ELEVATION.		
ID	INSIDE DIMENSION	A100 DOOR NUMBER, REFER TO A900 DRAWINGS	8. ALL WOOD BLOCKING WITHIN ROOFING SYSTEM AND WITHIN 2'-0" OF GRADE SHALL BE PRESSURE TREATED		
IN INT	INCH / INCHES INTERIOR	1 WINDOW TAG, REFER TO A900 DRAWINGS	9. ALL FLOOR PENETRATIONS SHALL BE SMOKE-SEALED AND / OR FIRE STOPPED. COORDINATE WITH 'H' DWGS FOR SMOKE / FIRE DAMPER REQUIREMENTS.		
JAN JC	JANITOR JANITOR'S CLOSET	BL11 BORROWED LIGHT NUMBER, REFER TO A900 DRAWINGS DRAWINGS	10. ALL EXPOSED SURFACES OF NEW PARTITIONS AND SOFFITS ARE TO BE FINISHED.		
JST JT	JOIST JOINT	S1 STOREFRONT / CURTAINWALL NUMBER, REFER TO A900 DRAWINGS	11. PROVIDE PATCH TO MATCH EXISTING FINISHES AT ALL WALL REMOVAL AREAS, COORDINATE WITH DEMOLITION DRAWINGS AND SPECIFICATIONS.		
LAB LB	LABORATORY POUND	COLUMN GRID DESIGNATION	12. FOR ALL MATERIAL TESTING, REFER TO SPECIFICATION DIVISION 000220.		
LIN LVL	LINEAR LEVEL	PARTITION TAG, REFER TO A700 DRAWINGS	13. ALL CONSTRUCTION SHOWN IS NEW UNLESS NOTED OTHERWISE.		
MAN MAS MAX	MANUAL MASONRY MAXIMUM		2020 EXISTING BUILDING CODE OF NEW YORK STATE		
MDF MECH	MEDIUM DENSITY FIBERBOARD MECHANICAL		ANALYSIS - CLASSIFICATION OF WORK		
MEZZ MFR MID	MEZZANINE MANUFACTURE(R) MIDDLE		EBC 603 ALTERATION - LEVEL 2 EBC 603 1 SCOPE LEVEL 2 ALTERATIONS INCLUDE THE RECONFIGURATION OF SPACE AND THE ADDITION OR		
MIN MISC MO	MINIMUM MISCELLANEOUS MASONRY OPENING	$-\frac{1}{2}$ REYNOTE, DEMOLITION WORK	ELIMINATION OF ANY DOOR OR WINDOW, THE RECONFIGURATION OR EXTENSION OF ANY SYSTEM. OR THE INSTALLATION OF ANY ADDITIONAL EQUIPMENT.		
MTL	MASONRY OPENING METAL		2020 BUILDING CODE OF NEW YORK STATE - ANALYSIS		
NA NIC NOM	NOT APPLICABLE NOT IN CONTRACT NOMINAL		CHAPTER 3 - OCCUPANCY CLASSIFICATION AND USE		
NTS	NOT TO SCALE		CHAPTER 6 - TYPES OF CONSTRUCTION		
OC OD	ON CENTER OUTSIDE DIAMETER	BASE FINISH FLOOR FINISH CEILING FINISH TO AF100 DRAWINGS	BC 302.1 OCCUPANCY CLASSIFICATION 3. EDUCATIONAL (SECTION 305): GROUP E		
O/HD OPT OZ	OVERHEAD OPTIONAL OUNCE		BC 305.1 EDUCATIONAL GROUP E EDUCATIONAL GROUP E OCCUPANCY INCLUDES, AMONG OTHERS, THE USE OF A BUILDING OR STRUCTURE, OR A PORTION THEREOF, BY SIX OR MORE PERSONS AT ANY ONE TIME FOR		
PERIM	PERIMETER		EDUCATIONAL PURPOSES THROUGH THE 12TH GRADE.		
PLAM PLBG PLAS	PLASTIC LAMINATE PLUMBING PLASTER		FOR BUILDING ELEMENTSAND PARTITIONS, FLOOR CONSTRUCTION, AND ROOF CONSTRUCTION.EXISTING BUILDINGTYPE I-B AND II-BFIRE-RESISTANCE (HOURS):0		
PLYWD PNL PNT	PLYWOOD PANEL PAINT(ED)	DETAIL INDICATOR LEGEND			
PNT POLYISO PPT	PAINT(ED) POLYISOCYANURATE PRESSURE PRESERVATIVE TREATED	SECTION INDICATOR SECTION NUMBER	2020 BUILDING CODE OF NEW YORK STATE ANALYSIS -		
PR PREP PTN	PAIR PREPARATORY PARTITION	1 A100	CHAPTER 5 GENERAL BUILDING HEIGHTS AND AREAS		
PVC	POLYVINYL CHLORIDE	DRAWING SHEET NUMBER SECTION IS DRAWN ON DIRECTION OF VIEW	TABLE 506.2ALLOWABLE AREAOCCUPANCY E (EDUCATIONAL) WITHOUT SPRINKLERS14,500FACTOR IN SFTYPE II B CONSTRUCTION		
RAD RB REQD	RADIUS RUBBER / RUBBER WALL BASE REQUIRED		BC 506.2.3 SINGLE-OCCUPANCY THE ALLOWABLE AREA OF A SINGLE-OCCUPANCY BUILDING WITH MORE THAN ONE STORY ABOVE GRADE PLANE SHALL BE DETERMINED IN ACCORDANCE		
RM RND	ROOM ROUND ROUGH OPENING	DETAIL INDICATOR (SECTION) SECTION NUMBER	WITH EQUATION 5-2:		
RU SCH	SCHEDULED		EQ. 5-2 $Aa = [At + (NS \times Lf)]Sa$ $Aa = [14,500 sf + (14,500 sf \times 0.75)] \times 2$ Aa = 50,750 SF (PER BUILDING) : 25.375 SF (MAX, AREA PER FLOOR)		
SECT SF SIM	SECTION SQUARE FEET SIMILAR	DRAWING SHEET NUMBER SECTION IS DRAWN ON	BC 506.3 FRONTAGE INCREASE EVERY BUILDING SHALL ADJOIN OR HAVE ACCESS TO A PUBLIC WAY TO		
SPEC SQ	SPECIFICATION SQUARE		BC 506.3.2 MINIMUM PERCENTAGE TO QUALIFY FOR AN AREA FACTOR INCREASE BASED ON FRONTAGE. A		
SS STC STD	STAINLESS STEEL SOUND TRANSMISSION CLASS STANDARD	ENLARGED DETAIL INDICATOR	BUILDING SHALL HAVE OF PERIMETER NOT LESS THAN 25 PERCENT OF ITS PERIMETER ON A PUBLIC WAY OR OPEN SPACE.		
STL STOR	STEEL STORAGE		BC 506.3.2 MINIMUM FRONTAGE TO QUALIFY FOR AN AREA INCREASE BASED ON FRONTAGE, THE PUBLIC WAY OR OPEN SPACE DISTANCE [] SHALL HAVE A MINIMUM DISTANCE OF 20 FEET		
STRUCT SUSP SAC	STRUCTURAL / STRUCTURE SUSPENDED SUSPENDED ACOUSTICAL CEILING	DRAWING AREA	MEASURED AT RIGHT ANGLES FROM THE BUILDING FACE TO ANY OF THE FOLLOWING: 1. THE CLOSEST INTERIOR LOT LINE		
T&B			3. THE EXTERIOR FACE OF AN ADJACENT BUILDING ON THE SAME PROPERTY. [] WHERE THE VALUE OF W (WIDTH WEIGHTED AVERAGE) VARIES ALONG		
TECH	TECHNOLOGY TEMPORARY	DETAIL IS DRAWN ON	THE PERIMETER OF THE BUILDING, THE CALCULATION PREFORMED IN ACCORDANCE WITH EQUATION 5-5 SHALL BE BASED ON THE WEIGHTED AVERAGE CALCULATED IN ACCORDANCE TO EQUATION 5-4:		
TMPD TOM TOS	TEMPERED TOP OF MASONRY TOP OF STEEL		EQ. 5-4 $W = (L1 \times w1 + L2 \times w2 + LN \times wn) / F$		
TYP	TYPICAL	DETAIL TITLE DETAIL TYPE / NAME DETAIL TYPE / NAME	W = 30BC 506.3.3AMOUNT OF INCREASETHE AREA FACTOR INCREASE BASED ON FRONTAGE SHALL BE DETERMINED		
UL U.O.N	UNDERWRITERS LABORATORY UNLESS OTHERWISE NOTED	FLOOR PLAN	IN ACCORDANCE WITH EQUATION 5-5:		
VERT VEST	VERTICAL VESTIBULE	1/8" = 1'-0"	If = [1,442 / 1,442 - 0.25] 30 / 30 If = 0.75		
VIF W/		SCALE	EXIST. GROUND FLOOR BUILDING 'A' 28,063 SF BUILDING 'B' 1 942 SF		
W/O WD WPT	WITHOUT WOOD WOOD PRESERVED TREATED MATERIAL		EXIST. FIRST FLOOR 36,634 SF		
WT	WEIGHT	EXTERIOR ELEVATION INDICATOR	MAXIMUM ALLOWABLE AREA IN ACCORDANCE TO BC 506.2.3 Aa = 25,375 SF PER FLOOR		
YD	YARD	DIRECTION OF VIEW	BC 1704.2 SPECIAL INSPECTIONS EXCEPTION NO. 1		
		DRAWING SHEET NUMBER	AND TESTS SPECIAL INSPECTIONS AND TEST ARE NOT REQUIRED FOR CONSTRUCTION OF MINOR NATURE [] EXCEPTION NO 3		
		DETAIL IS DRAWN ON	SPECIAL INSPECTIONS AND TESTS ARE NOT REQUIRED FOR PRORTIONS OF STRUCTURES DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE		
		INTERIOR ELEVATION INDICATOR	COLD FORMED STEEL LIGHT FRAME CONSTRUCTION []		
		BLANK ARROW INDICATES			
		A600			
		DRAWING SHEET NUMBER DIRECTION OF VIEWS			



ANNE HUTCHINSON ELEMENTARY SCHOOL 60 MILL ROAD, EASTCHESTER, NY 10709

66-03-01-03-0-001-022 SED NO. 102-2202 MEMASI PROJECT NO.

BID SET:

DRAWING LIST

	AWINCS
AH GUUT	
AH LS001	LIFE SAFETY PLAN - GROUND AND FIRST FLOOR
ASBESTOS A	BATEMENT DRAWINGS
AH H-001.00	ASBESTOS ABATEMENT GENERAL NOTES
AH H-002.00	ASBESTOS ABATEMENT GROUND FLOOR PLAN
AH H-003.00	ASBESTOS ABATEMENT FIRST FLOOR PLAN
ARCHITECTU	RAL DEMOLITION DRAWINGS
AN ADIUZ	DEMOLITION PLAN - FIRST FLOOR
ARCHITECTU	
AH A101	OVERALL PLAN - GROUND FLOOR
AH A102	OVERALL PLAN - FIRST FLOOR
AH A401	MAIN ENTRY
AH A402	MAIN ENTRANCE- INTERIOR ELEVATIONS
AH A701	PARTITION TYPES AND DETAILS
AH A901	DOOR SCHEDULE AND ELEVATIONS
AH A902	DOOR AND WINDOW DETAILS
MECHANICAL	DRAWINGS
AH M001	COVER SHEET
AH M101	EIRST ELOOR VESTIBULE PARTIAL PLANS
ΔH M201	SCHEDULES
AH M301	
ALL WISCI	DETAILS
	DRAWINCS
AH EUUT	
AH E002	ELECTRICAL GENERAL NOTES
AH E101	FIRST FLOOR VESTIBULE ELECTRICAL PARTIAL PLANS
AH E201	SITE LIGHTING PLAN
AH E301	FIRST FLOOR SECURITY EQUIPMENT POWER PLAN
AH E302	FIRST FLOOR SECURITY DEVICE POWER PLAN
AH E601	ELECTRICAL PANEL SCHEDULES
SECURITY DF	RAWINGS
AH TY001	LEGEND AND ABBREVIATIONS
AH TY101	GROUND FLOOR PLAN
AH TY102	FIRST FLOOR PLAN
AH TY201	ENLARGED PLAN
AH TY301	RISER DIAGRAMS
AH TV401	DETAILS

2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE

TABLE C301.1	NEW YORK ST	ATE CLIMATE ZONE	S BY COUNTY
	CLIMATE ZONE	E 4A	WESTCHESTER COL
TABLE C402.4	BUILDING ENV	ELOPE FENESTRAT	ION MAXIMUM U-FAC
FIXED FENESTRAT OPERABLE FENES ENTRANCE DOORS	TON TRATION S	U-FACTOR U-FACTOR U-FACTOR	0.38 0.45 0.77
SHGC		PF < 0.36 0.2 < PF < 0.5 PF > 0.5	0.36 0.43 0.58

SEE SPECIFICATIONS FOR FENESTRATION VALUES COMPLYING WITH 2020 ENERGY CONSERVATION CODE.

01/03/2023

OUNTY, NY

CTOR AND SHGC REQUIREMENTS

PF = PROJECTION FACTOR

EASTCHESTER **UNION FREE** SCHOOL DISTRICT

2022 CAPITAL BOND PROJECT PHASE 2

ANNE HUTCHINSON ELEMENTARY SCHOOL

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PELHAM, NY 10803 914.693.0221

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MEMASI PROJECT NO.	102-2202
GENERAL	
INFORMA	TION
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LIFE SAFETY LEGEND

RW RESCUE WINDOW

EGRESS PATH END / START

ONE-HOUR RATED PARTITION

2020 BUILDING CODE OF NEW YORK STATE ANALYSIS -CHAPTER 10 MEANS OF EGRESS

BC 1004.1	DESIGN OCCUPANT LOAD	IN DETERMINING MEANS OF EGRESS, THE NUMBER OF OCCU WHOM MEANS OF EGRESS FACILITIES ARE PROVIDED SHALL IN ACCORDANCE WITH THIS SECTION.	JPANTS FOR BE DETERMINED
TABLE1004.5	MAX. FLOOR AREA PER OCC.	ACCESSORY STORAGE AREAS, MECHANICAL EQUIP. RM	300 SF. GROSS/
OCC		ASSEMBLY WITHOUT FIXED SEATS UNCONCENTRATED WITH FIXED SEATS (1004.4) (THE TOTAL NUMBER OF INSTALLED SEATS AT ANNE HUTCH	15 SF. NET / OCC. INSTALLED SEATS INSON ES IS 400)
		BUSINESS AREAS	150 SE GROSS/
OCC.			> 50 SE/OCC
			20 SE NET / OCC
000		EDUCATIONAL SHOPS AND OTHER VOCATIONAL EXERCISE ROOMS	50 SF. NET / OCC. 50 SF. GROSS /
000		LIBRARY READING ROOMS STACK AREA	50 SF. NET / OCC. 100 SF. GROSS/
000.		STAGES AND PLATFORMS	15 SF. NET / OCC.
BC 1004.7	OUTDOOR AREAS	YARD, PATIOS, OCCUPIED ROOFS, COURTS AND SIMILAR OU ACCESSIBLE TO AND USABLE BY THE BUILDING OCCUPANTS PROVIDED ,MEANS OF EGRESS AS REQUIRED BY THIS CHAP THE OCCUPANT LOAD SHALL BE ASSIGNED BY THE BUILDING	TDOOR AREAS 5 SHALL BE TER. 6 OFFICIAL.
BC 1005.3.1	STAIRWAYS	THE CAPACITY, IN INCHES, OF MEANS OF EGRESS STAIRWAY CALCULATED BY MULTIPLYING THE OCCUPANT LOAD SERVE STAIRWAY BY A MEANS OF EGRESS CAPACITY FACTOR OF 0 OCCUPANT.	YS SHALL BE D BY SUCH .3 INCH PER
BC 1005.3.2	OTHER EGRESS COMPONENTS	THE CAPACITY, IN INCHES, OF MEANS OF EGRESS COMPONE STAIRWAYS SHALL BE CALCULATED BY MULTIPLYING THE OC SERVED BY SUCH COMPONENT BY A MEANS OF EGRESS CA OF 0.2 INCH PER OCCUPANT.	ENTS OTHER THAN CCUPANT LOAD PACITY FACTOR
TABLE 1006.2.1	MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE	OCCUPANCY E (EDUCATIONAL) WITHOUT SPRINKLER SYS	TEM 75 FEET
TABLE 1006.3.1	MIN.NUMBER OF EXITS OR ACCESS TO EXITS PER STORY	OCCUPANT LOAD PER STORY MIN. NUMBER OF EXITS OF 1-500 501-1,000 > 1,000	ACCESS TO EXITS 2 3 4
BC 1007.1.1	TWO EXITS OR EXIT	WHERE TWO EXITS, EXIT ACCESS DOORWAYS, EXIT ACCESS RAMPS [] THE ACCESS DOORWAYS SHALL BE PLACED A DIS EQUAL TO NOT LESS THAN ONE-HALF OF THE LENGTH OF TH OVERALL DIAGONAL DIMENSION OF THE BUILDING OR AREA A STRAIGHT LINE BETWEEN THEM.	S STAIRWAYS OR STANCE APART IE MAXIMUM TO BE SERVED IN
BC 1007.1.2	THREE OR MORE EXITS OR	WHERE ACCESS TO THREE OR MORE EXITS IS REQUIRED [REQUIRED EXIT OR EXIT ACCESS DOORWAYS ACCESS DOOP ARRANGED A REASONABLE DISTANCE A SHALL BE ARRANGE DISTANCE APART SO THAT ONE BECOMES BLOCKED THE OT AVAILABLE.] ADDITIONAL RWAYS SHALL BE ED A REASONABLE HERS WILL BE
BC 1008.1	MEANS OF EGRESS	ILLUMINATION SHALL BE PROVIDED IN THE MEANS OF EGRES ACCORDANCE TO SECTION ILLUMINATION 1008.2 UNDER EMI MEANS OF EGRESS ILLUMINATION SHALL COMPLY WITH SEC	SS IN ERGENCY POWER, TION 1008.3.
BC 1009.1 BY	ACCESSIBLE MEANS OF EGRESS REQUIRED	[] WHERE MORE THAN ONE MEANS OF EGRESS ARE REQUI ACCESSIBLE EGRESS REQUIRED PORTION OF THE SPACE SI NOT LESS THAN TWO ACCESSIBLE MEANS OF EGRESS. EXCEPTION: 1. ACCESSIBLE MEANS OF EGRESS ARE NOT RE PROVIDED IN EXISTING BUILDINGS.	RED [] EACH HALL BE SERVED EQUIRED TO
TABLE 1017.2	EXIT ACCESS TRAVEL DISTANCE	OCCUPANCY E (EDUCATIONAL) WITHOUT SPRINKLER SYSTE	M 200 FEET
TABLE 1020.1	CORRIDOR FIRE-RESISTANCE RATING	OCCUPANCY E (EDUCATIONAL) WITHOUT SPRINKLER SYSTE	M 1 (HOUR)
BC 1020.4	DEAD ENDS	WHERE MORE THAN ONE EXIT OR EXIT ACCESS DOORWAY IS EXIT ACCESS SHALL BE ARRANGED SUCH THAT THERE ARE CORRIDORS WITH MORE THAN 20 FEET IN LENGTH.	S REQUIRED, THE NO DEAD ENDS IN
BC 1028.1	EXIT DISCHARGE	EXITS SHALL DISCHARGE DIRECTLY TO THE EXTERIOR OF THE EXIT DISCHARGE SHALL BE AT GRADE OR SHALL PROVIDE A EGRESS TRAVEL TO GRADE. THE EXIT DISCHARGE SHALL NO BUILDING.	HE BUILDING. THE DIRECT PATH OF DT REENTER THE



FIRE AREA PLAN - FIRST FLOOR 1" = 50'-0"



FIRE AREA PLAN - GROUND FLOOR 1" = 50'-0"





OFFICE 128

ACCESS

DOOR EXIT CAPACITY= 360 P.

CAFETERIA 126 3829.10 SF 256 OCCS

L	IFE SAFETY OCCUPANT LOA	D SCHEDULE	- FIRST FLOOR	
NAME	TABLE 1004.1.2	AREA	SF. PER PERSON	MAX OCCUPANCY
LASSROOM	Educational, Classroom Area	869.52 SF	20	44
LASSROOM	Educational, Classroom Area	774.19 SF	20	39
LASSROOM	Educational, Classroom Area	859.36 SF	20	43
LASSROOM	Educational, Classroom Area	768.03 SF	20	39
LASSROOM	Educational, Classroom Area	859.32 SF	20	43
LASSROOM	Educational, Classroom Area	765.08 SF	20	39
LASSROOM	Educational, Classroom Area	859.32 SF	20	43
LASSROOM	Educational, Classroom Area	764.90 SF	20	39
LASSROOM	Educational, Classroom Area	980.04 SF	20	49
LASSROOM	Educational, Classroom Area	830.46 SF	20	42
FFICE	Business Areas	241.01 SF	100	3
SSISTANT RINCIPAL	Business Areas	224.50 SF	100	100
ESTIBULE	(none)	86.97 SF		
FFICE	Business Areas	526.40 SF	100	6
IURSE	Business Areas	133.38 SF	100	2
LASSROOM	Educational, Classroom Area	433.93 SF	20	22

	L	IFE SAFETY OCCUPANT LOA	D SCHEDULE	- FIRST FLOOR	
NO.	NAME	TABLE 1004.1.2	AREA	SF. PER PERSON	MAX OCCUPANCY
220A	CLASSROOM	Educational, Classroom Area	217.17 SF	20	11
221	CLASSROOM	Educational, Classroom Area	1009.09 SF	20	51
222	CLASSROOM	Educational, Classroom Area	957.83 SF	20	48
223	CLASSROOM	Educational, Classroom Area	690.35 SF	20	35
223A	CLASSROOM	Educational, Classroom Area	418.55 SF	20	21
224	COUNSELOR	Educational, Classroom Area	169.32 SF	20	9
225	CLASSROOM	Educational, Classroom Area	909.73 SF	20	46
226	COUNSELOR	Educational, Classroom Area	164.14 SF	20	9
227	AUDITORIUM	(none)	3132.11 SF		
227A	SEC. OFFICE	Business Areas	50.79 SF	100	1
227B	SEC. VESTIBULE	(none)	131.77 SF		
228	SPECIAL ED.	Educational, Classroom Area	166.00 SF	20	9
229	GYM	Exercise rooms	4186.28 SF	50	84
229A	GYM OFFICE	Business Areas	88.79 SF	100	1
230	STORAGE	Accessory storage areas, mechanical equipment room	164.11 SF	300	1
τοται	OCCUPANCY				879

EASTCHESTER **UNION FREE** SCHOOL DISTRICT

2022 CAPITAL BOND PROJECT PHASE 2

ANNE HUTCHINSON ELEMENTARY SCHOOL

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GENERAL NOTES:

1. ASBESTOS REMOVAL SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS, GUREGULATIONS, ORDERS AND DIRECTIVES, INCLUDING, BUT NOT LIMITED TO THE U.S. ENVIRONMENTAL PROTECTION AGENCY (DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), NATIONAL INSTITUTE FOR OCCUPATIONAL HEALTH (NIOSH), AND NEW YORK STATE DEPARTMENT OF LABOR (NYSDOL).

2. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT, SERVICES, ETC., NECESSARY TO PERFORM THE WC ASBESTOS ABATEMENT IN ACCORDANCE WITH CONTRACT DOCUMENTS AND ALL APPLICABLE FEDERAL, STATE AND LOCAL RE

3. THE CONTRACTOR SHALL DEVELOP AND IMPLEMENT A WRITTEN STANDARD PROCEDURE FOR ABATEMENT WORK TO PROTECTION AND SAFEGUARD FROM ASBESTOS EXPOSURE OF THE WORKERS, VISITORS, EMPLOYEES, GENERAL ENVIRONMENT.

4. THE CONTRACTOR SHALL PROVIDE SIGNS, LABELS, WARNINGS, AND POST INSTRUCTIONS THAT ARE NECESSARY TO PROTE WARN PEOPLE OF THE HAZARD FROM ASBESTOS EXPOSURE. POST IN A PROMINENT AND CONVENIENT PLACE FOR THE WORK THE LATEST APPLICABLE REGULATIONS FROM OSHA, EPA, NIOSH AND NYSDOL.

5. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS.

6. THE CONTRACTOR SHALL RELOCATE ALL FURNITURE, LOCKERS, DESKS AND OTHER MISC. ITEMS IN AND OUT OF THE ACCOMMODATE ASBESTOS REMOVAL ACTIVITIES.

7. THE CONTRACTOR SHALL PROVIDE ALL ELECTRICAL, WATER, AND WASTE CONNECTIONS, TIE-INS, EXTENSIONS, CONSTRUC SUPPLIES, ETC. AS REQUIRED TO FACILITATE ASBESTOS REMOVAL.

8. THE CONTRACTOR SHALL PROVIDE TEMPORARY ELECTRIC AND LIGHT THROUGHOUT THE WORK AREA(S) AS REQUIRED IN ALL APPLICABLE REGULATIONS AND CODES.

9. THE CONTRACTOR SHALL ESTABLISH CRITICAL BARRIERS OVER ALL OPENINGS LOCATED INSIDE THE PARTICULAR WORK INSIDE THE SCHOOL.

10. THE CONTRACTOR SHALL PROPERLY PROTECT ALL CONTROLS, TUBING, ELECTRICAL PANELS, EQUIPMENT, ETC. WITHIN T

11. THE CONTRACTOR SHALL BE REQUIRED TO ISSUE NON-WHITE WORK COVERALLS FOR ALL ABATEMENT WORKERS.

12. THE CONTRACTOR SHALL EXERCISE EXTREME CARE AND CAUTION DURING ANY AND ALL DEMOLITION AND ABATEMEN CONTRACTOR SHALL CONDUCT REMOVAL OF ALL MATERIALS FROM THE SITE WITH MINIMUM DISTURBANCE; PROVIDE PROPE REGULAR MAINTENANCE OF ALL BUILDING PREMISES DIRECTLY OR INDIRECTLY ASSOCIATED WITH ABATEMENT OPERATIONS.

13. THE CONTRACTOR SHALL LOCATE AND SEAL ALL PENETRATIONS THROUGH WALLS BETWEEN THE WORK AREA AND INCLUDING, BUT NOT LIMITED TO PIPE, DUCT, CONDUIT, CHASES, AND OPENINGS IN FIRE WALLS OR DECKS BETWEEN FLOOR THE FIELD CONDITIONS.

14. THE CONTRACTOR SHALL USE A WATER SPRAYER TO WET ASBESTOS-CONTAINING MATERIALS INSIDE THE WORK AREA.

15. THE CONTRACTOR SHALL CONSTRUCT A PERSONAL/WASTE DECONTAMINATION ENCLOSURE SYSTEM (P./W.D.E.S.) AS INDI OF SUFFICIENT SIZE TO ACCOMMODATE STORAGE OF MATERIALS, EQUIPMENT, ETC.

16. SHOWER WATER AND WASTE WATER MUST BE FILTERED AND DISPOSED OF IN THE BUILDING'S SANITARY SYSTEM. RESPECIFICATIONS.

17. IF WATER IS NOT AVAILABLE, THE CONTRACTOR SHALL PROVIDE A 55-GALLON WATER TANK FOR THE DECONTAMINATION

18. THE CONTRACTOR SHALL UTILIZE GFCI PANEL CONNECTIONS AT THE SOURCE OUTLET WHEN ACCESSING TEMPORARY POW 19. THE CONTRACTOR SHALL SUPPLY ALL NECESSARY CONNECTIONS, FASTENERS, FLEXIBLE DUCTS, MANIFOLDS, SUPPORTS INSTALLATIONS SHALL COMPLY WITH CONTRACT DOCUMENTS AND MANUFACTURER'S REQUIREMENTS.

20. THE CONTRACTOR SHALL VERIFY THE LOCATION OF THE TEMPORARY WATER AND POWER SOURCES PRIOR TO ABATEMEN

21. DEBRIS RESULTING FROM ANY DEMOLITION AND/OR ASBESTOS ABATEMENT ACTIVITIES SHALL BE DISPOSED CONTAMINATED WASTE.

22. NO WASTE SHALL BE STORED ON SITE OR INSIDE THE DECONTAMINATION UNIT BETWEEN SHIFTS. WASTE SHALL BE DOUBL PROCEEDING TO THE CONTAINER AND/OR DECON. BAGS WILL BE MOVED FROM WORK AREAS TO THE WASTE DECON AND SUB-THE CONTAINER IN COVERED CARTS. BAGS WILL BE CARRIED BY HAND ONLY WHEN NECESSARY. ALL WASTE SHALL BE CONTA END OF EACH WORK SHIFT BEFORE RELINQUISHING TO WASTE HAULER.

23. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE AND CONFIRM THE EXACT SCOPE OF WORK FOR EACH PHASE OF AB GENERAL CONTRACTOR AND OTHER TRADES.

24. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, TOOLS, TRANSPORTATION AND ANY OTHER EQUIPMENT REQUIRED TO COMPLETE ALL WORK DESCRIBED IN THE CONTRACT DOCUMENTS.

25. THE LOCATION OF THE PERSONAL/WASTE DECONTAMINATION UNITS, AIRLOCKS, ETC. IS SHOWN FOR REFERENCE LOCATIONS SHALL BE DETERMINED IN THE FIELD.

26. ASBESTOS ABATEMENT INDICATED IN THE DRAWING #H-002.00 & #H-003.00 WILL BE DONE IN ACCORDANCE WITH 12 NYCRR AND SHALL BE PERFORMED BY A NYSDOL LICENSED ASBESTOS CONTRACTOR.

27. THE CONTRACTOR SHALL REMOVE ALL LAYERS OF ASBESTOS FLOORING AND MASTIC MATERIALS DOWN TO SUBSTRATE.

ASBESTOS ABATEMENT GENERAL NOTES

UIDELINES, (EPA), AND U.S. IONAL SAFETY AND	DRAWING H-001.00 H-002.00	ASBESTOS ABATEN ASBESTOS ABATEN
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BATEMENT WITH THE		
AND/OR NECESSARY		
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DRAWING NAME	
IENT - GENERAL NOTES	
IENT - GROUND FLOOR PLAN	
IENT - FIRST FLOOR PLAN	

EASTCHESTER UNION FREE SCHOOL DISTRICT		
2022 CAPITAL BOND PROJECT		
PHASE 2 ANNE HUTCHINSON E.S.		
ARCHITECT M E M S S I 2 LYON PLACE WHITE PLAINS, NY 10601 914.915.9519 MEMASIDESIGN.COM		
SITE - CIVIL CONSULTANT THE LA GROUP 179 GRAHAM ROAD ITHACA, NY 14850 607.277.4000		
STRUCTURAL CONSULTANT REILLY TARANTINO ENGINEERING 100 PARK BOULEVARD, #209 MASSAPEQUA PARK, NY 11762 631.738.1200		
MEP CONSULTANT STANTEC 30 OAK STREET, SUITE 400 STAMFORD, CT 06905 203.352.1717		
SECURITY CONSULTANT BUILDING TECHNOLOGY CONSULTING 992 BEDFORD STREET BRIDGEWATER, MA 02324 617.799.4309		
HAZARDOUS MATERIALS CONSULTANT WSP 250 WEST 34TH STREET, 4TH FLOOR NEW YORK, NY 10019 212.612.7900		



H-001.00





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WORK AREA 1

EASTCHESTER **UNION FREE** SCHOOL DISTRICT 2022 CAPITAL BOND PROJECT PHASE 2 ANNE HUTCHINSON E.S. ARCHITECT $M \equiv M \wedge S I$ 2 LYON PLACE WHITE PLAINS, NY 10601 914.915.9519 MEMASIDESIGN.COM -----SITE - CIVIL CONSULTANT THE LA GROUP 179 GRAHAM ROAD ITHACA, NY 14850 607.277.4000 STRUCTURAL CONSULTANT REILLY TARANTINO ENGINEERING 100 PARK BOULEVARD, #209 MASSAPEQUA PARK, NY 11762 631.738.1200 MEP CONSULTANT STANTEC 30 OAK STREET, SUITE 400 STAMFORD, CT 06905 203.352.1717 SECURITY CONSULTANT BUILDING TECHNOLOGY CONSULTING 992 BEDFORD STREET BRIDGEWATER, MA 02324 617.799.4309 HAZARDOUS MATERIALS CONSULTANT WSP

250 WEST 34TH STREET, 4TH FLOOR NEW YORK, NY 10019 212.612.7900



H-002.00



FIRST FLOOR PLAN 1" = 12'-0"

CLASSROOM	CLASSROOM 203	OFFICE 213	CLASSROOM	CLASSROOM 207	CLASSI 20
CLASSROOM	CLASSROOM	BR	CLASSROOM	CLASSROOM	CLASSI
202	204	212	206	208	[21

WORK AREA #	LOCATION	ASBESTOS- CONTAINING MATERIAL	APPROXIMATE QUANTITY (Square Feet – Linear Feet)	R
2	AUDITORIUM	BLACK MASTIC/YELLOW ADHESIVE UNDER CARPET	120 SF	12 PF
	VESTIBULE BY GYM, MAIN LOBBY	ACOUSTICAL CEILING PLASTER	900 SF	12



LEGEND
LOCATION OF ASBESTOS-CONTAINING ACOUSTICAL CEILING PLASTER
LOCATION OF ASBESTOS-CONTAINING BLACK MASTIC/YELLOW ADHESIVE UNDER CARPET (ACM CONTAMINATED)
WORK AREA BOUNDARY
Air Equipment Air Clean Lock Room Lock TYPICAL DECONTAMINATION UNIT









H-003.00

- A. COORDINATE ALL REMOVALS WITH NEW CONSTRUCTION.
- B. PATCH AND REPLACE EXISTING AND NEWLY CREATED HOLES IN WALLS (DUE TO REMOVAL) WITH MATERIALS TO MATCH EXISTING CONSTRUCTION.
- C. ALL KEYED REMOVALS SHALL INCLUDE REMOVAL OF ANY AND ALL ANCHORING SYSTEMS INCLUDING
- OBJECTS EMBEDDED INTO EXISTING WALLS. U.O.N.D. REFER TO ASBESTOS AND MEP DRAWINGS FOR
- ADDITIONAL REMOVAL INFORMATION.
- E. PREPARE ROUGH OPENINGS AFTER FRAME REMOVALS FOR NEW FRAMES.

KEY NOTES

- D1 REMOVE DOOR, HARDWARE, AND FRAME IN ITS ENTIRETY
- D2REMOVE DOOR AND HARDWARE, FRAME TO REMAIND32REMOVE EXISTING THRESHOLD
- D33 REMOVE GLAZING FROM FRAME



DEMOLITION PLAN - GROUND FLOOR

-10

EASTCHESTER UNION FREE SCHOOL DISTRICT

2022 CAPITAL BOND PROJECT PHASE 2

ANNE HUTCHINSON ELEMENTARY SCHOOL

ARCHITECT

2 LYON PLACE WHITE PLAINS, NY 10601 914.915.9519 MEMASIDESIGN.COM

SITE - CIVIL CONSULTANT THE LA GROUP 179 GRAHAM ROAD ITHACA, NY 14850

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MEP CONSULTANT STANTEC 30 OAK STREET, SUITE 400 STAMFORD, CT 06905

SECURITY CONSULTANT BUILDING TECHNOLOGY CONSULTING 992 BEDFORD STREET BRIDGEWATER, MA 02324

HAZARDOUS MATERIALS CONSULTANT WSP ONE PENN PLAZA 250 W 34TH ST., 4TH FLOOR

250 W 34TH ST., 4TH FLOOR NEW YORK, NY 10119

LIGHTING CONSULTANT GOLDSTICK LIGHTING DESIGN 629 FIFTH AVE, #204 PELHAM, NY 10803 914.693.0221

SEAL	
BID SET	01/03/2023
ISSUE	DATE
KEY PLAN	
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SED PROJECT NO.	66-03-01-03-0-001-022
MEMASI PROJECT NO.	102-2202
DEMOLIT PLAN - GI FLOOR	ION ROUND
AH AD1	01

- A. COORDINATE ALL REMOVALS WITH NEW CONSTRUCTION.
- B. PATCH AND REPLACE EXISTING AND NEWLY CREATED HOLES IN WALLS (DUE TO REMOVAL) WITH MATERIALS TO MATCH EXISTING CONSTRUCTION.
- C. ALL KEYED REMOVALS SHALL INCLUDE REMOVAL OF ANY AND ALL ANCHORING SYSTEMS INCLUDING
- OBJECTS EMBEDDED INTO EXISTING WALLS. U.O.N.
- D. REFER TO ASBESTOS AND MEP DRAWINGS FOR ADDITIONAL REMOVAL INFORMATION.
- E. GC TO TEMPORARILY SUPPORT ABOVE CEILING INFRASTRUCTURE AFTER CEILING REMOVAL COORDINATE WITH OTHER TRADES.

KEY NOTES

- D1 REMOVE DOOR, HARDWARE, AND FRAME IN ITS ENTIRETY
- D2 REMOVE DOOR AND HARDWARE, FRAME TO REMAIN D17 REMOVE STOREFRONT SYSTEM, MULLIONS, DOORS, AND THRESHOLDS INCLUDING ALL FASTENERS AND HARDWARE
- D32 REMOVE EXISTING THRESHOLD
- D33 REMOVE GLAZING FROM FRAME



DEMOLITION PLAN - FIRST FLOOR

BR CLASSROOM CLASSRO							
D2 D	BR 215	CLASSROOM [201]	CLASSROOM 203	OFFICE 213	CLASSROOM 205	CLASSROOM	CLASSRO 209
Image: D2 D2 <th></th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
	D2 D2 ASSISTANT PRINCIPAL 214	CLASSROOM 202	CLASSROOM	BR 212	CLASSROOM 206	CLASSROOM 208	CLASSRC 210



ROOF BELOW

-10

EASTCHESTER UNION FREE SCHOOL DISTRICT

2022 CAPITAL BOND PROJECT PHASE 2

ANNE HUTCHINSON ELEMENTARY SCHOOL

ARCHITECT

-

2 LYON PLACE WHITE PLAINS, NY 10601 914.915.9519 MEMASIDESIGN.COM

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HAZARDOUS MATERIALS CONSULTANT WSP ONE PENN PLAZA 250 W 34TH ST., 4TH FLOOR

LIGHTING CONSULTANT

GOLDSTICK LIGHTING DESIGN 629 FIFTH AVE, #204 PELHAM, NY 10803 914.693.0221

BID SET	01/03/2023
ISSUE	DA
KEY PLAN	
SED PROJECT NO.	66-03-01-03-0-001-0
	102-22

- A. DO NOT SCALE THE DRAWINGS, NOTIFY ARCHITECT OF MISSING DIMENSIONS OR DISCREPANCIES AND GET RESOLUTION BEFORE PROCEEDING.
- B. ALL EXPOSED SURFACES OF NEW PARTITIONS ARE TO BE PAINTED. WHEN ANY WORK IS PERFORMED ON PORTION OF AN EXISTING WALL THE ENTIRE WALL SURFACE IS TO BE PAINTED UNLESS OTHERWISE NOTED.
- C. PATCH AND REPLACE EXISTING AND NEWLY CREATED HOLES IN WALLS (DUE TO REMOVAL) WITH MATERIALS TO MATCH EXISTING CONSTRUCTION.
- D. EXISTING METAL HOLLOW FRAMES TO REMAIN SHALL BE SANDED DOWN TO METAL WHILE PROTECTING THE UL MARKING TO REMAIN INTACT AND READABLE. FOR SMALL ROUND HOLES USE STEEL FASTENERS AND GRIND DOWN THE HEAD TO BE SMOOTH WITH THE FRAME. PROVIDE STEEL PLATES MATCHING THE HOLLOW METAL FRAME GAUGE FOR ABANDONED HARDWARE CUTOUTS OR OTHER OPENINGS. PROTECT THE UL MARKING, PRIME AND PAINT THE HOLLOW METAL FRAMES.

KEY NOTES

- ADD NEW THRESHOLD. REFER TO 900 SERIES 4
- PROVIDE REMOVABLE INTERMEDIATE MULLION SHELTER LOCKSET. REFER TO SPECIFICATIONS FOR MORE INFO. ALL SHELTER LOCK COMPONNENTS TO BE INSTALLED BY GC. THE GC WILL INSTALL ALL LOCKSETS. THE GC WILL TURN THE REPEATERS OVER TO THE ELECTRICAL CONTRACTOR WHO WILL INSTALL AND WIRE THE REPEATERS.



OVERALL PLAN - GROUND FLOOR 1/16" = 1'-0"

EASTCHESTER **UNION FREE** SCHOOL DISTRICT

2022 CAPITAL BOND PROJECT PHASE 2

ANNE HUTCHINSON ELEMENTARY SCHOOL

ARCHITECT

 $M \equiv M \land S I$ 2 LYON PLACE WHITE PLAINS, NY 10601 914.915.9519 MEMASIDESIGN.COM

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NEW YORK, NY 10119 LIGHTING CONSULTANT GOLDSTICK LIGHTING DESIGN 629 FIFTH AVE, #204

PELHAM, NY 10803 914.693.0221

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BID SET ISSUE	04/02/2022
ISSUE	01/03/2023
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KEY PLAN	
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SED PROJECT NO.	66-03-01-03-0-001-0
OVERALL I GROUND F	PLAN - FLOOR

- A. DO NOT SCALE THE DRAWINGS, NOTIFY ARCHITECT OF MISSING DIMENSIONS OR DISCREPANCIES AND GET RESOLUTION BEFORE PROCEEDING.
- B. ALL EXPOSED SURFACES OF NEW PARTITIONS ARE TO BE PAINTED. WHEN ANY WORK IS PREFORMED ON PORTION OF AN EXISTING WALL THE ENTIRE WALL SURFACE IS TO BE PAINTED UNLESS OTHERWISE NOTED.
- C. DOOR MULLIONS TO BE RE-PAIRED WHERE NEEDED.
- D. PATCH AND REPLACE EXISTING AND NEWLY CREATED HOLES IN WALLS (DUE TO REMOVAL) WITH MATERIALS TO MATCH EXISTING CONSTRUCTION.
- E. EXISTING METAL HOLLOW FRAMES TO REMAIN SHALL BE SANDED DOWN TO METAL WHILE PROTECTING THE UL MARKING TO REMAIN INTACT AND READABLE. FOR SMALL ROUND HOLES USE STEEL FASTENERS AND GROUND DOWN THE HEAD TO BE SMOOTH WITH THE FRAME. PROVIDE STEEL PLATES MATCHING THE HOLLOW METAL FRAME GAUGE FOR ABANDONED HARDWARE CUTOUTS OR OTHER OPENINGS. PROTECT THE UL MARKING, PRIME AND PAINT THE HOLLOW METAL FRAMES.

KEY NOTES

S

- ADD NEW THRESHOLD. REFER TO 900 SERIES 4
- PROVIDE REMOVABLE INTERMEDIATE MULLION PROVIDE GLAZING IN EXISTING FRAME. REFER TO 900 SERIES
- SHELTER LOCKSET. REFER TO SPECIFICATIONS FOR MORE INFO. ALL SHELTER LOCK COMPONNENTS TO BE INSTALLED BY GC. THE GC WILL INSTALL ALL LOCKSETS. THE GC WILL TURN THE REPEATERS OVER TO THE ELECTRICAL CONTRACTOR WHO WILL INSTALL AND WIRE THE REPEATERS.



OVERALL PLAN - FIRST FLOOR 1/16" = 1'-0"

BR 215	CLASSROOM 201	CLASSROOM	OFFICE [213]	CLASSROOM 205	CLASSROOM 207	CLASSRO 209
OSET 7 2A C	1 7 2B			S CORRIDOR S	S S	S
218B 214 S ASSISTANT PRINCIPAL 214	S CLASSROOM 202	CLASSROOM [204]	BR [212]	CLASSROOM	CLASSROOM [208]	CLASSRO



ROOF BELOW



EASTCHESTER **UNION FREE** SCHOOL DISTRICT

2022 CAPITAL BOND PROJECT PHASE 2

ANNE HUTCHINSON ELEMENTARY SCHOOL

ARCHITECT

 $M \equiv M \land S \mid$ 2 LYON PLACE WHITE PLAINS, NY 10601 914.915.9519 MEMASIDESIGN.COM

SITE - CIVIL CONSULTANT THE LA GROUP 179 GRAHAM ROAD ITHACA, NY 14850

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MEP CONSULTANT STANTEC 30 OAK STREET, SUITE 400 STAMFORD, CT 06905

SECURITY CONSULTANT BUILDING TECHNOLOGY CONSULTING 992 BEDFORD STREET BRIDGEWATER, MA 02324

HAZARDOUS MATERIALS CONSULTANT WSP ONE PENN PLAZA

250 W 34TH ST., 4TH FLOOR NEW YORK, NY 10119 LIGHTING CONSULTANT

GOLDSTICK LIGHTING DESIGN 629 FIFTH AVE, #204 PELHAM, NY 10803 914.693.0221

BID SET	01/03/2023
ISSUE	DA
KEY PLAN	
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SED PROJECT NO.	66-03-01-03-0-001-0

- A. COORDINATE ALL REMOVALS WITH NEW CONSTRUCTION.
- B. PATCH AND REPLACE EXISTING AND NEWLY CREATED HOLES IN WALLS (DUE TO REMOVAL) WITH MATERIALS TO MATCH EXISTING CONSTRUCTION.
- ALL KEYED REMOVALS SHALL INCLUDE REMOVAL OF ANY AND ALL ANCHORING SYSTEMS INCLUDING OBJECTS EMBEDDED INTO EXISTING WALLS. U.O.N.
- D. REFER TO ASBESTOS AND MEP DRAWINGS FOR ADDITIONAL REMOVAL INFORMATION.
- E. GC TO TEMPORARILY SUPPORT ABOVE CEILING INFRASTRUCTURE AFTER CEILING REMOVAL COORDINATE WITH OTHER TRADES.
- F. GC TO PROVIDE NEW STL LINTELS IN ALL NEW OPENINGS IN EXISTING MASONRY WALLS. GC TO TEMPORARILY SUPPORT ALL NEW WALL OPENINGS DURING CONSTRUCTION.
- G. DO NOT SCALE THE DRAWINGS, NOTIFY ARCHITECT OF MISSING DIMENSIONS OR DISCREPANCIES AND GET RESOLUTION BEFORE PROCEEDING.
- H. ALL EXPOSED SURFACES OF NEW PARTITIONS ARE TO BE PAINTED. WHEN ANY WORK IS PREFORMED ON PORTION OF AN EXISTING WALL THE ENTIRE WALL SURFACE IS TO BE PAINTED UNLESS OTHERWISE NOTED.
- PROVIDE BLOCKING IN ALL ADJACENT WALLS AS 1. REQUIRED TO INSTALL ALL CASEWORK.
- PROVIDE WALL BASE AS SCHEDULED ON ALL EXPOSED TOE KICK SPACES AND EXPOSED END PANELS.
- INSTALL CEILING GRIDS CENTERED IN THE ROOM L. U.O.N. IN ROOMS OTHER THAN RECTANGULAR SHAPED, INSTALL GRIDS CENTERED ON WALLS OR OTHER BUILT FEATURES AS INDICATED.
- M. INSTALLATION HEIGHTS OF THE CEILINGS MAY VARY SLIGHTLY FROM PLANS IN ROOMS WITH EXTERIOR WINDOWS, ACTUAL CEILING HEIGHTS TO BE VERIFIED IN THE FIELD.
- N. FINAL INSTALLED CEILINGS SHALL HAVE HEIGHTS COORDINATED WITH OTHER CONTRACTORS WITH ABOVE CEILING WORK AND VERIFIED WITH FIELD CONDITIONS. ALL CHANGES IN CONFIGURATION OR HEIGHTS ARE TO BE APPROVED BY THE ARCHITECT.

GWB OR PLASTER CEILING, REFER TO DETAILS AND

CEILING LEGEND



ROOM FINISH SCHEDULE ALUMINUM SOFFIT SUSPENDED ACOUSTICAL TILE CEILING SYSTEM _____+X'-X"____ CEILING HEIGHT ABOVE FINISHED FLOOR

ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR



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 \boxtimes 2'x2' LIGHT FIXTURE

MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR

ADDITIONAL INFORMATION. HVAC SUPPLY GRILLE

HVAC RETURN GRILLE

FINISH LEGEND

LINEAR DIFFUSER

INTERIOR FINISH TAG, REFER TO DETAILS AND ROOM FINISH SCHEDULE

CHANGE IN FINISH MATERIAL



PNT PAINT RB TERR RUBBER / RUBBER WALL BASE TERRAZZO

KEY NOTES

- REMOVE DOOR, HARDWARE, AND FRAME IN ITS ENTIRETY D1
- SAWCUT AND REMOVE MASONRY WALL FOR EXTENT SHOWN, D5 COORDINATE REMOVAL WITH NEW WORK
- REMOVE EXISTING PLASTER CEILING SYSTEM IN ITS ENTIRETY, D12 INCLUDING ALL FRAMING AND FASTENERS. REFER TO MEP
- DRAWINGS FOR EQUIPMENT REMOVALS REMOVE STOREFRONT SYSTEM, MULLIONS, DOORS, AND D17 THRESHOLDS INCLUDING ALL FASTENERS AND HARDWARE

CASEWORK NOTES



			ROOM F	INISH SCHEI	DULE			
ROOM			FLC	DOR				COMMENTS
NUMBER	ROOM NAME	ROOM STYLE	FINISH	BASE	WALL FINISH	ACCENT WALL	CEILING	CONTRENTS
1	CORRIDOR	(none)	ETR TERR	ETR	ETR MARBLE /		ACT / GYP	
					PNT			
227A	SEC. OFFICE	(none)	LVT	RB	PNT		ACT	
227B	SEC. VESTIBULE	(none)	PT	PORCELAIN	CWT		ACT 7	

SCHEDULE OF FINISH MATERIALS								
TAG	MATERIAL	MANUFACTURER	STYLE / TYPE	COLOR	SIZE	NOTES		
LVT	LUXURY VINYL TILE	CREATIVE MATERIALS	HARMONIOUS	SAND CROSSHATCH	18" x 18"	SECURITY OFFICE FLOOR		
PT-1	PORCELAIN TILE	CREATIVE MATERIALS	OXIDIZE	BROWN	24" x 24"	VESTIBULE FLOOR		
PT-2	PORCELAIN TILE	DALTILE	PORCELAIN TITLE	SY31 OR SY32	12" X 24"	VESTIBULE WALL, ALIGN FLOOR AND WALL JOINTS		
PNT	PAINT	TBD	TBD	TBD		MATCH EXIST WALL PAINT ABOVE MARBLE WAINSCOTT		
PLAM	PLASTIC LAMINATE	WILSONART	MATTE FINISH	NATURAL ALMOND D30-60				
ACT 7	ACT CEILING	CERTAIN TEED	SAND MICRO	WHITE	48" x 48"			
ACT 1	ACT CEILING	CERTAIN TEED	SAND MICRO	WHITE	24" x 24"			
RB	RUBBER BASE	ROPPE	TBD	TBD	4"			



1/4" = 1'-0"



(11)

SECOND FLOOR - MAIN ENTRY 1/8" = 1'-0"

MANUFACTURER'S NAMES AND FINISH INFORMATION ARE INDICATED AS
REFERENCE TO THE ARCHITECT'S BASIS-OF-DESIGN SELECTIONS AND HAVE
BEEN DETERMINED PRIOR TO BID. THE CONTRACTOR AND OWNER ARE HEREBY
NOTIFIED THAT FINISHES INSTALLED IN THE WORK ARE SUBJECT TO CHANGE IN
RESPONSE TO SUBMITTALS, CONFIRMED SELECTIONS, PRODUCT AVAILABILITY
AND THE SUBSEQUENT COORDINATION OF FINISHES BY ARCHITECT AND MAY
DIFFER FROM PRODUCTS LISTED HEREIN.







DEMOLITION PLAN - MAIN ENTRY 1/4" = 1'-0"

EASTCHESTER **UNION FREE** SCHOOL DISTRICT

2022 CAPITAL BOND PROJECT PHASE 2

ANNE HUTCHINSON ELEMENTARY SCHOOL

ARCHITECT

 $M \equiv M \wedge S$ 2 LYON PLACE WHITE PLAINS, NY 10601 914.915.9519 MEMASIDESIGN.COM

SITE - CIVIL CONSULTANT THE LA GROUP 179 GRAHAM ROAD ITHACA, NY 14850

STRUCTURAL CONSULTANT **REILLY TARANTINO ENGINEERING** 1000 PARK BLVD., SUITE 209 MASSAPEQUA PARK, NY 11762

MEP CONSULTANT STANTEC 30 OAK STREET, SUITE 400 STAMFORD, CT 06905

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HAZARDOUS MATERIALS CONSULTANT WSP ONE PENN PLAZA 250 W 34TH ST., 4TH FLOOR

NEW YORK, NY 10119 LIGHTING CONSULTANT GOLDSTICK LIGHTING DESIGN 629 FIFTH AVE, #204 PELHAM, NY 10803 914.693.0221

BID SET	01/03/202
1550E	DF
SED PROJECT NO. MEMASI PROJECT NO.	66-03-01-03-0-001- 102-2
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DEDICATED CIRCUIT _ QUAD OUTLET

1/4" = 1'-0"

/ ------

WKS







227A SEC. OFFICE WEST EL.

227A SEC. OFFICE EAST EL. -34 1/4" = 1'-0"

EP

29"|18" 253



227A SEC. OFFICE NORTH EL. 1/4" = 1'-0"



SEC. VESTIBULE - WEST ELEVATION



(14)

(44)

FIRE ALARM CONTROL -EXSTING DISPLAY CASE TO REMAIN EXISTING MARBLE WINSCOT TO REMAIN -

227B SEC. VESTIBULE SOUTH EL.











(43)

LP





-(32)

NEW WAINSCOT PANELING TO MATCH EXISTING ON NEW WALLS.

1/4" = 1'-0"





PUB

EQ





-(13)



1/4" = 1'-0"



AUDITORIUM INTERIOR ELEVATION



SPECIALTY EQUIPMENT SCHEDULE - SECURITY					
KEY QTY. NAME COMMENTS PROVIE				PROVIDED BY	REQUIREMENTS
С	1	CLOCK	SECURITY DEVICE		
CR	2	CARD READER	SECURITY DEVICE		
DR	2	UNDERCOUNTER DOOR RELEASE BUTTON	SECURITY DEVICE	FOR COORDINATION - ELECTRICAL CONTRACT	
EP	1	EMERGENCY PHONE	SECURITY DEVICE	FOR COORDINATION - SEPERATE CONTRACT	
IC	1	INTERCOM STATION	SECURITY DEVICE		OWNER
ICM	1	INTERCOM MASTER STATION	SECURITY DEVICE		
LD	2	LOCKDOWN BUTTON FSS	SECURITY DEVICE	FOR COORDINATION - ELECTRICAL CONTRACT	
LP	1	PRINTER LABEL BADGE	SECURITY DEVICE	FOR COORDINATION - ELECTRICAL CONTRACT	
PB	1	PANIC BUTTON	SECURITY DEVICE	FOR COORDINATION - ELECTRICAL CONTRACT	
PUB	4	PUSH BUTTON	SECURITY DEVICE		
SC	2	SECURITY CAMERA	SECURITY DEVICE		
WKS	1	WORKSTATION	SECURITY DEVICE	FOR COORDINATION - SEPERATE CONTRACT	

-20

EASTCHESTER **UNION FREE** SCHOOL DISTRICT

2022 CAPITAL BOND PROJECT PHASE 2

ANNE HUTCHINSON ELEMENTARY SCHOOL

ARCHITECT

 $M \equiv M \land S I$ 2 LYON PLACE WHITE PLAINS, NY 10601 914.915.9519 MEMASIDESIGN.COM

SITE - CIVIL CONSULTANT THE LA GROUP 179 GRAHAM ROAD ITHACA, NY 14850

STRUCTURAL CONSULTANT **REILLY TARANTINO ENGINEERING** 1000 PARK BLVD., SUITE 209 MASSAPEQUA PARK, NY 11762

MEP CONSULTANT STANTEC 30 OAK STREET, SUITE 400 STAMFORD, CT 06905

SECURITY CONSULTANT BUILDING TECHNOLOGY CONSULTING 992 BEDFORD STREET BRIDGEWATER, MA 02324

HAZARDOUS MATERIALS CONSULTANT WSP ONE PENN PLAZA 250 W 34TH ST., 4TH FLOOR

NEW YORK, NY 10119 LIGHTING CONSULTANT

GOLDSTICK LIGHTING DESIGN 629 FIFTH AVE, #204 PELHAM, NY 10803 914.693.0221

	SEAL	
BID SET 01/03/2023 ISSUE DAT KEY PLAN SED PROJECT NO. 102-220 MAIN ENTRANCE- INTERIOR EL EL/ATIONIS		
BID SET 01/03/2023 ISSUE DAT KEY PLAN SED PROJECT NO. 20 SED PROJECT NO. 66-03-01-03-0-001-02 MEMASI PROJECT NO. 102-220 MAIN ENTRANCE- INTERIOR		
BID SET 01/03/2023 ISSUE DAT KEY PLAN SED PROJECT NO. SED PROJECT NO. MEMASI PROJECT NO. MAIN ENTRANCE- INTERIOR EL EVIATION IO		
ISUE DAT	BID SET	01/03/2023
KEY PLAN	ISSUE	DAT
SED PROJECT NO. SED PROJECT NO. MEMASI PROJECT NO. MAIN ENTRANCE- INTERIOR EL EL LATIONE	KEY PLAN	
SED PROJECT NO. 66-03-01-03-0-001-02 MEMASI PROJECT NO. 102-220 MAIN ENTRANCE- INTERIOR		
SED PROJECT NO. 66-03-01-03-0-001-03 MEMASI PROJECT NO. 102-220 MAIN ENTRANCE- INTERIOR		z
MAIN ENTRANCE- INTERIOR	SED PROJECT NO.	66-03-01-03-0-001-02
	MAIN ENTRANC INTERIOR	2E-

	PARTITION NOTES			
PARTITION TYPE NUMBER				
\bigcirc	NOM. CMU SIZE	STC RATING	FIRE RATING TEST DESIGN	Side one finish Side two finish
GEN	IERAL P		NOTES	
1. THIS PARTITION TYPE SCHEDULE IS GENERIC IN NATURE. NOT ALL OF THE PARTITION TYPES ILLUSTRATED ON THIS SHEET HAVE BEEN UTILIZED IN THIS PROJECT. SEE FLOOR PLANS FOR LOCATIONS OF PARTITION TYPES USED.				
2.	ALL INTER	IOR PARTITIONS	S INDICATED ON T D IN THE CONTR	THE FLOOR ACTOR'S BID.

THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING OF ANY PARTITION SHOWN ON THE FLOOR PLANS WITHOUT A PARTITION TAG. THE ARCHITECT WILL DETERMINE THE PARTITION TYPE TO BE USED AT SUCH LOCATIONS.

FIRE RATED SYSTEMS

1.	PROVIDE FIRE RATED JOINT SYSTEMS AT ALL INTERSECTIONS OF FIRE RATED PARTITION ASSEMBLIES AND FIRE RATED FLOOR/ROOF ASSEMBLIES. THE FIRE RATED JOINT SYSTEM SHALL HAVE A MINIMUM FIRE RESISTANCE RATING GREATER THAN OR EQUAL TO THE PARTITION IN WHICH IT IS BEING USED. THIS JOINT SYSTEM MUST BE AN APPROVED ASSEMBLY TESTED BY A NATIONALLY RECOGNIZED TESTING AGENCY.
2.	PROVIDE THROUGH-PENETRATION FIRE STOP SYSTEM AT ALL PENETRATIONS THROUGH FIRE RATED PARTITION, FLOOR AND ROOF ASSEMBLIES. THE THROUGH-PENETRATION FIRE STOP SYSTEM SHALL HAVE A MINIMUM FIRE RESISTANCE RATING GREATER THAN OR EQUAL TO THE ASSEMBLY THAT IT IS BEING USED IN. THIS FIRE STOP SYSTEM MUST BE AN APPROVED ASSEMBLY TESTED BY A NATIONALLY RECOGNIZED TESTING AGENCY.
3.	ANY PRODUCT THAT EMITS ODOR MUST MEET THE REQUIREMENTS OF THE NEW YORK STATE EDUCATION DEPARTMENT.
4.	CONCEALED VERTICAL SPACES IN PARTITIONS SHALL BE FILLED WITH NON COMBUSTIBLE MATERIAL, OR FIRE-STOPPED AT EACH FLOOR LEVEL AND AT THE CEILING OF THE UPPERMOST STORY, SO THAT SUCH SPACES WILL NOT BE CONTINUOUS FOR MORE THAN ONE STORY, OR COMMUNICATE WITH

CONCEALED HORIZONTAL SPACES IN THE FLOOR OR ROOF CONSTRUCTION. ALL PARTITION TYPE DIAGRAMS ARE GRAPHICAL IN NATURE. IN THE CASE WHERE A DIAGRAM DOES NOT SHOW ALL MATERIALS REQUIRED BY A FIRE-RATED PARTITION, THE PARTITION TYPE DESCRIPTION GOVERNS.

CMU WALL SYSTEMS

1.	ALL PLAN DIMENSIONS ARE TO FACE OF CMU, UNLESS NOTED OTHERWISE.
2.	PROVIDE HORIZONTAL JOINT REINFORCEMENT EVERY OTHER CMU COURSE.
3.	PROVIDE (2) VERTICAL #4 BARS IN FULLY GROUTED CORES AT THE FOLLOWING LOCATIONS: A) PARTITION INTERSECTIONS (REINFORCE FULL HEIGHT) B) DOOR OPENINGS (REINFORCE FULL HEIGHT OFDOOR) C) WINDOW OPENINGS (REINFORCE FLOOR TO WINDOW HEAD) D) WALL ENDS (REINFORCE FULL HEIGHT)
4.	SEE STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REINFORCING AND ANCHORING REQUIREMENTS.

5. PROVIDE BULLNOSE MASONRY UNITS ON ALL OUTSIDE CORNERS OF WALLS UNLESS NOTED OTHERWISE.

METAL STUD PARTITION AND CEILING SYSTEMS

1.	ALL DIMENSIONS ARE TO THE FACE OF METAL STUDS UNLESS NOTED OTHERWISE.
2.	PROVIDE METAL BRACING AT THIRD POINTS AT THE INTERIOR OF METAL STUD CHASE PARTITIONS. BRACING SHALL NOT EXCEED 48" OC.

3.	PROVIDE METAL L.C. BEAD, BACKER ROD AND SEALANT AT THE INTERSECTION OF GYP BD PARTITIONS AND MASONRY PARTITIONS.
4.	PROVIDE ACOUSTICAL SEALANT IN THE FOLLOWING LOCATIONS: A) PERIMETER OF PARTITIONS B) RUNNERS C) ELECTRICAL OUTLETS D) PARTITION PENETRATIONS AND OPENINGS
5.	PROVIDE BLOCKING WITHIN PARTITIONS TO SUPPORT PARTITION MOUNTED EQUIPMENT, FIXTURES AND ACCESSORIES. COORDINATE WITH CABINETRY DETAILS AND MEP DRAWINGS.
6.	ALL INTERIOR METAL STUDS AND METAL FURRING AT PARTITIONS ARE 20 GAUGE UNLESS OTHERWISE NOTED. ALL INTERIOR METAL STUDS AND FURRING FOR CEILING SOFFITS ARE 25 GAUGE UNLESS NOTED OTHERWISE.
7.	ANCHOR INSULATION TO STUD SYSTEM WITH WIRE SUPPORT SYSTEM IF INSULATION IS NOT SUPPORTED ON BOTH SIDES BY GYPSUM BOARD. WHERE DOUBLE STUD PARTITIONS ARE USED TO FORM CHASE PARTITIONS ONLY PROVIDE SOUND ATTENUATION BLANKETS ON ONE SIDE OF CHASE
8.	GYPSUM BOARD SCHEDULE - 5/8" TYPE "X" GYPSUM BOARD UNLESS NOTED OTHERWISE. - CORRIDOR AND STUDENT OCCUPIED SPACES FROM FLOOR TO 8'-0" ABOVE FINISHED FLOOR: 5/8" TYPE "X" ABUSE RESISTANT GYPSUM BOARD -SUSPENDED GYPSUM BOARD CEILINGS: 5/8" TYPE "X" SAG RESISTANT GYPSUM BOARD -EXTERIOR CEILINGS AND SOFFITS: 5/8" GLASS-MAT GYPSUM SHEATHING -PARTITIONS TO RECEIVE TILE FINISH: 5/8" TYPE "X"GLASS-MAT WATER RESISTANT BACKING BOARD - TOILET ROOMS, KITCHENS & JANITOR CLOSETS: PARTITIONS & CEILINGS THAT DO NOT RECEIVE TILE SHALL RECEIVE 5/8" TYPE "X" MOISTURE & MOLD RESISTANT GYPSUM BOARD

LUCATION	FEET	FEET
CONSTRUCTION AND	MAX SINGLE DIMENSION	MAX SINGLE AREA
MAXIMUM SPACING - GYPSUM BOARD CONTROL JOINTS		

PARTITION - INTERIOR	30	-
CEILING - INTERIOR		
W/ PERIMETER RELIEF	50	2500
W/O PERIMETER RELIEF	30	900





– EXIST. WALL

- CEMENT BOARD

6 X 2 PAINTED FIRE

2

NEW TRANSACTION WINDOW 1 1/2" = 1'-0"

PARTITION TYPES 3/4" = 1'-0"



-(32)

1 1/2" = 1'-0"



FIRE EXTINGUISHER DETAIL

-(31)

FIRE EXTINGUISHER ELEVATION 1 1/2" = 1'-0"

9 1/2"

1' - 1"

-(30)

-(10)

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SEAL	
BID SET	01/03/2023
ISSUE	DATE
KEY PLAN	
	z
SED PROJECT NO.	66-03-01-03-0-001-022
MEMASI PROJECT NO.	102-2202
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PARIIIO	IN
TYPES AN	ND
DETAILS	
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A. DOORS THAT HAVE A FIRE RATING SHALL HAVE CORRESPONDING RATED FRAMES.

- B. AT ALL INTERSECTIONS OF DISSIMILAR FLOORING MATERIALS, PROVIDE APPROPRIATE TRANSITION STRIPS.
- C. AT METAL JAMB STUDS ALONG EACH SIDE OF DOOR OPENINGS, PROVIDE METAL STUD BRACING TO STRUCTURE ABOVE. BRACE'S SHALL BE 3 5/8"X20 GA STUD.
- D. AT ALL DISSIMILAR CARPET TO CARPET INTERSECTIONS, PROVIDE APPROPRIATE TRANSITION STRIP.
- E. ALL DOOR FRAMES TO BE PAINTED COLOR TO MATCH WALL UNLESS OTHERWISE NOTED.
- F. EXISTING METAL HOLLOW FRAMES TO REMAIN SHALL BE SANDED DOWN TO METAL WHILE PROTECTING THE UL MARKING TO REMAIN INTACT AND READABLE. FOR SMALL ROUND HOLES USE STEEL FASTENERS AND GROUND DOWN THE HEAD TO BE SMOOTH WITH THE FRAME. PROVIDE STEEL PLATES MATCHING THE HOLLOW METAL FRAME GAUGE FOR ABANDONED HARDWARE CUTOUTS OR OTHER OPENINGS. PROTECT THE UL MARKING, PRIME AND PAINT THE HOLLOW METAL FRAMES.
- G. ELECTRIC STRIKES AND TRANSFER HINGES, WHERE SPECIFIED ARE TO BE SUPPLIED AND INSTALLED BY THE GC AS PART OF THEIR DOOR/HARDWARE SPECIFICATION
- H. ALL SHELTER LOCK COMPONENTS TO BE INSTALLED BY GC. THE GC WILL INSTALL ALL LOCKSETS. THE GC WILL TURN THE REPEATERS OVER TO THE ELECTRICAL CONTRACTOR WHO WILL INSTALL AND WIRE THE REPEATERS.



(44)

X-1	VISION GLASS
X-2	SPANDREL GLASS
X-3	SECURITY GLASS
I-1	1 HR. FIRE PROTECTED GLASS
I-2	TEMPERED SAFETY GLASS
I-3	SECURITY GLASS (SHOOTER ATTACK CERTIFIED)
-4	1 HR. FIRE RESISTIVE GLASS
I-5	2 HR. FIRE RESISTIVE GLASS
I-6	1 HR. FIRE RESISTIVE SECURITY GLASS (SHOOTER ATTACK CERTIFIED)



DOOR TYPES NTS





KEY NOTES

14A: 10'-1 1/2" OVERALL WIDTH X 8'-11 1/2" OVERALL HEIGHT 14B: 8'-10 1/2" OVERALL WIDTH X 8'-11 1/2" OVERALL HEIGHT 14C: 9'-6" OVERALL WIDTH X 8'-11 1/2" OVERALL HEIGHT 15A: 11'-2 1/4" OVERALL WIDTH X 8'-9" OVERALL HEIGHT



FRAME TYPES NTS



					nor	 OR								NEV		NOR D	OOR SCI	HEDULE							
JMBER	ANTITY							SS									TAIL	AIL		(Z	RE	LD-OPEN	ONTRO		
DOR NI	EAF QU/	FROM	А	ТО		VIDTH		HICKNE	ΥΡΕ	1ATERIA	INISH	ΥΡΕ	ATERIA	INISH			AMB DE ⁻			ABEL (M	IAZING	IAG HOI	CCESS (REMARKS
1M	1	227	AUDITORIUI	V 227A	SEC. OFFICE	2' - 10	> 0" 7'-	⊢ - 0" 1 3/4"	⊢ F	WD	FF	1	≥ HM	PNT	12/A9	02			-		02	2			
1N 229	1 1	- 211	STORAGE BR	227 3	AUDITORIUM CORRIDOR	2' - 10 3' - 0"	0" 7' - " 7' -	- 0" 1 3/4" - 0" 1 3/4"	F F	WD WD	FF FF	1 1	HM HM	PNT PNT	12/A9	02 ⁻	13/A902		- 45	-	02 04.1				
												N	EW IN	ITERIOF	R DOOR	(FRAN	ME TO RE	EMAIN) SC	CHEDI	JLE					
BER						DC	OOR										FRAN	/E						OPEN	ATROL
R NUM	QUANT						 E	보	KNESS			ERIAL	H		ERIAL	H	O DETAI	3 DFTAII		DETAIL	(MIN)	SING	DWARE	HOLD-	
DOO	LEAF	FROM		то			LOIW	HEIG	THIC		ТҮРЕ	MATI	FINIS	ТҮРЕ	MATI	FINIS	HEAD	IAMF		SILL	LABE	GLAZ	HAR	MAG	REMARKS
2A 2B	1	1 3	CORRIDOR CORRIDOR	2 2	STAIR STAIR		3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	G		WD WD	FF FF	14B -	EXIST EXIST	PNT PNT	-	-		-	45 45	I-4 I-4	01 01	YES YES	
2C 4A	1 1	1 3	CORRIDOR CORRIDOR	4	STAIR B STAIR		3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	G G		WD WD	FF FF	-	EXIST EXIST	- PNT	-	-		-	45 45	I-4 I-1	01 01	YES YES	
4B 5	1	1	CORRIDOR STAIR	- 1 101	STAIR C CORRIDOR		3' - 0" 3' - 0"	7' - 0"	1 3/4" 1 3/4"	G		WD WD	FF FF	-	EXIST EXIST	- PNT	-	-		-	45 45	I-4 I-4	01 01	YES YES	
101	1 1 PR	1		101 102 1	CLASSROOM		3' - 0" 3' - 0" 3' - 0"	7' - 0"	1 3/4" 1 3/4"	N N		WD WD	FF	-	EXIST EXIST	PNT PNT PNT	-				45	I-1 I-1	S-01 S-01 07	VES	SHELTER LOCKSET
1020 102D	2	1	CORRIDOR CORRIDOR	1 103	CORRIDOR CLASSROOM		3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	G N		WD WD	FF FF	5	EXIST EXIST	PNT PNT	-	-			45 45	I-2 I-1	08 S-01		SHELTER LOCKSET
103B 104	1	1 104	CORRIDOR CLASSROOM	103B 1	OFFICE CORRIDOR		2' - 8" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	F		WD WD	FF FF	-	EXIST EXIST	PNT PNT	-	-		-	45 45	- I-1	S-01 S-01		SHELTER LOCKSET SHELTER LOCKSET
104B 104D	1	104B 104B	BR BR	1	CORRIDOR CORRIDOR		2' - 8" 3' - 0"	7' - 0"	1 3/4" 1 3/4"	F		WD WD	FF FF	-	EXIST EXIST	PNT PNT	-	-		-	45 45	-	S-01 05.1		
105 106	1	105	CLASSROOM CORRIDOR	1 106 128	CORRIDOR CLASSROOM		3' - 0" 3' - 0" 2' - 5 1/	/' - 0" 7' - 0" /2" 7' - 0"	1 3/4" 1 3/4"	N N		WD WD	FF FF	-	EXIST EXIST	PNT PNT	-			-	45 45 45	I-1 I-1	S-01 S-01 13		SHELTER LOCKSET SHELTER LOCKSET
1060 106P 106Q	1	126 126 126	CAFETERIA	-	STAIR A		3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	N N		WD WD WD	FF FF	-	EXIST EXIST EXIST	PNT PNT	-	-			45	I-1 I-1	01.2 01.2		
107 108	1	107 108	CLASSROOM CLASSROOM	1	CORRIDOR CORRIDOR		3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	N N		WD WD	FF FF	-	EXIST EXIST	PNT PNT	-	-		-	45 45	I-1 I-1	S-01 S-01		SHELTER LOCKSET SHELTER LOCKSET
109 110	1	1	CORRIDOR CORRIDOR	109 110	CLASSROOM CLASSROOM		3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	N N		WD WD	FF FF	-	EXIST EXIST	PNT PNT	-	-		-	45 45	I-1 I-1	S-01 S-01		SHELTER LOCKSET SHELTER LOCKSET
111 112	1	1 112	CORRIDOR CLASSROOM	111	CLASSROOM CORRIDOR		3' - 0" 3' - 0"	7' - 0"	1 3/4" 1 3/4"	N N		WD WD	FF FF	-	EXIST EXIST	PNT PNT	-	-		-	45	I-1 I-1	S-01.1 S-01.1		SHELTER LOCKSET SHELTER LOCKSET
113	1	1		113 114 115	CLASSROOM		3' - 0" 3' - 0" 3' - 0"	7' - 0"	1 3/4" 1 3/4"	N N		WD WD	FF	-	EXIST EXIST	PNT PNT PNT	-				45 45 45	I-1 I-1 I-1	S-01.1 S-01 S-01 1		SHELTER LOCKSET SHELTER LOCKSET
115 116 117	1	1	CORRIDOR	116 117	CLASSROOM CLASSROOM CLASSROOM		3' - 0" 3' - 0"	7' - 0"	1 3/4" 1 3/4"	N N		WD WD WD	FF FF	-	EXIST EXIST EXIST	PNT PNT	-	-		-	45	I-1 I-1	S-01.1 S-01 S-01.1		SHELTER LOCKSET SHELTER LOCKSET
118 119	1	1	CORRIDOR CORRIDOR	118 119	CLASSROOM BR		3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	G F		WD WD	FF FF	-	EXIST EXIST	PNT PNT	-	-		-	45 45	I-1 -	04 05		SHELTER LOCKSET
120 120A	1 2	126 126	CAFETERIA CAFETERIA	120 1	FACULTY CORRIDOR		2' - 8" 2' - 5 3/	7' - 0" /4" 7' - 0"	1 3/4" 1 3/4"	N G		WD WD	FF FF	-	EXIST EXIST	PNT PNT	-	-		-	45 45	I-1 I-1	02.1 S-04	YES	SHELTER LOCKSET SHELTER LOCKSET
121 121A	1	1	CORRIDOR CORRIDOR	121 121	BR BR		3' - 0" 3' - 0"	7' - 0"	1 3/4" 1 3/4"	F		WD WD	FF FF	-	EXIST EXIST	PNT PNT	-			-	45 45	-	04 05.1		
122 125 125A	2	126	CAFETERIA	122	CORRIDOR		3' - 0" 3' - 0 9/ 3' - 0"	/32" 7' - 0"	1 3/4" 1 3/4" 1 3/4"	G		WD WD	FF	-	EXIST EXIST EXIST	PNT PNT PNT	-				45 45 45	- I-1 -	14 S-04 07	YES	SHELTER LOCKSET SHELTER LOCKSET, REMOVABLE INTERMEDIATE MULLION TO BE ADDED
125A 125B 127A	1	1	CORRIDOR	125 126	HEAD CUSTO	DIAN	2' - 8" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	F		WD WD	FF FF	-	EXIST EXIST EXIST	PNT PNT	-	-		-	45	-	S-01.1 03.1		
129 130	1 2	129 130	OFFICE STORAGE	126 126	CAFETERIA CAFETERIA		3' - 0" 2' - 6"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	N N		WD WD	FF FF	-	EXIST EXIST	PNT PNT	-	-		-	45 -	I-1 I-2	02.2 06		
130A 201	1	126 201	CAFETERIA CLASSROOM	130 3	STORAGE CORRIDOR		3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	N N		WD WD	FF FF	-	EXIST EXIST	PNT PNT	-	-		-	- 45	I-2 I-1	03 S-01		SHELTER LOCKSET
202 203	1	202 203	CLASSROOM CLASSROOM	3	CORRIDOR CORRIDOR		3' - 0" 3' - 0"	7' - 0"	1 3/4" 1 3/4"	N		WD WD	FF FF	-	EXIST EXIST	PNT PNT	-	-		-	45 45	I-1 I-1	S-01 S-01		SHELTER LOCKSET SHELTER LOCKSET
204 205 206	1	3	CORRIDOR	204 205 206	CLASSROOM CLASSROOM CLASSROOM		3 - 0 3' - 0" 3' - 0"	7' - 0"	1 3/4 1 3/4" 1 3/4"	N N		WD WD WD	FF FF	-	EXIST	PNT PNT PNT	-	-			45 45 45	I-1 I-1 I-1	S-01 S-01 S-01		SHELTER LOCKSET SHELTER LOCKSET SHELTER LOCKSET
207 208	1	3 208	CORRIDOR CLASSROOM	207 3	CLASSROOM CORRIDOR		3' - 0" 3' - 0"	7' - 0"	1 3/4" 1 3/4"	N		WD WD	FF FF	-	EXIST EXIST	PNT PNT	-	-		-	45	I-1 I-1	S-01 S-01		SHELTER LOCKSET SHELTER LOCKSET
208B 209	1	1 3	CORRIDOR CORRIDOR	1 209	CORRIDOR CLASSROOM		3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	F		WD WD	FF FF	-	EXIST EXIST	PNT PNT	-	-		-	45	I-1	S-01.4 S-01	YES	SHELTER LOCKSET, MAGNETIC HOLD DOOR OPENER SHELTER LOCKSET
210 212	1	3	CORRIDOR CORRIDOR	210 212	CLASSROOM BR		3' - 0" 3' - 1 1/	7' - 0" /2" 6' - 8"	1 3/4" 1 3/4"	N F		WD WD	FF FF	-	EXIST EXIST	PNT PNT	-	-		-	45 45	I-1 -	S-01 04		SHELTER LOCKSET
212A 213 214	1	3		3 213 214			3' - 0" 2' - 8" 3' - 0"	7' - 0"	1 3/4" 1 3/4"	N		WD WD	FF	-	EXIST	PNT PNT PNT	-	-			45 45 45	- -1 -1	05.1 S-01 S-01		SHELTER LOCKSET
215	1	1	CORRIDOR	215	PRINCIPAL BR		2' - 8"	7' - 0"	1 3/4"	F		WD	FF	-	EXIST	PNT	-	-		-	45	-	04		
215A 218	1	215 1	BR CORRIDOR	1 218	CORRIDOR OFFICE		3' - 0" 3' - 0"	6' - 10 1/2 7' - 0"	" 1 3/4" 1 3/4"	F N		WD WD	FF FF	-	EXIST EXIST	PNT PNT	-	-		-	45 45	- I-1	05.1 S-01.1		SHELTER LOCKSET
218B 218C	1	- 1	IT CLOSET	1 214A	CORRIDOR VESTIBULE		3' - 0" 3' - 0"	7' - 0"	1 3/4" 1 3/4"	F		WD WD	FF FF	-	EXIST EXIST	PNT PNT	-	-		-	45	-	03.1 04		SHELTER LOCKSET
219 220 220A	1	1		219 220 220A			3' - 0" 3' - 0" 3' - 0"	7' - 0"	1 3/4" 1 3/4" 1 3/4"	N N		WD WD WD	FF	-	EXIST EXIST EXIST	PNT PNT PNT	-				45 45 45	I-1 I-1 I-1	S-01.1 S-01.1 S-01.1		SHELTER LOCKSET SHELTER LOCKSET
221 221A	1	1	CORRIDOR	221 221	CLASSROOM CLASSROOM		3' - 0" 3' - 0"	7' - 0"	1 3/4" 1 3/4"	N N		WD WD	FF FF	-	EXIST EXIST	PNT PNT	-	-		-	45	I-1 I-1	S-01 S-01 S-01		SHELTER LOCKSET SHELTER LOCKSET
222 223	1 1	1	CORRIDOR CORRIDOR	222 223	CLASSROOM CLASSROOM		3' - 0" 3' - 0"	7' - 0" 7' - 0"	1 3/4" 1 3/4"	N N		WD WD	FF FF	-	EXIST EXIST	PNT PNT	-	-		-	45 45	I-1 I-1	S-01 S-01.1		SHELTER LOCKSET SHELTER LOCKSET
224 225	1	1	CORRIDOR	224 225	COUNSELOR CLASSROOM		2' - 7 1/ 3' - 0"	/2" 7' - 0" 7' - 0"	1 3/4" 1 3/4"	N		WD WD	FF FF	-	EXIST EXIST	PNT PNT	-	-		-	45 45	-1 -1	S-01 S-02		SHELTER LOCKSET SHELTER LOCKSET, REMOVABLE INTERMEDIATE MULLION TO BE ADDED,
226 227	1	1 211	CORRIDOR BR	226 3	COUNSELOR CORRIDOR		2' - 7 1/ 3' - 0"	/2" 7' - 0" 7' - 0"	1 3/4" 1 3/4"	N		WD WD	FF FF	-	EXIST	PNT PNT	-	-		-	45 45	l-1 -	S-01 05.1		SHELTER LOCKSET
227A	2			1	CORRIDOR		3' - 0"	7' - 0"	1 3/4"	N		WD	FF	-	EXIST	PNT	-	-		-	45	I-1	S-04		SHELTER LOCKSET, REMOVABLE INTERMEDIATE MULLION TO BE ADDED, EXIT DEVICE
227B 227C	1 PR	227	AUDITORIUM	1	CORRIDOR CORRIDOR		3' - 8 1/ 2' - 8 1/	/2" 7' - 0" /2" 7' - 3"	1 3/4" 1 3/4"	F		WD WD	FF FF	-	EXIST EXIST	PNT PNT	-	-		-	45 45	- -1	S-03 S-04		SHELTER LOCKSET, EXIT DEVICE SHELTER LOCKSET, REMOVABLE INTERMEDIATE MULLION TO BE ADDED, EXIT
227D	PR	227	AUDITORIUM	1	CORRIDOR		2' - 8 1/	/2" 7' - 3"	1 3/4"	G		WD	FF	-	EXIST	PNT		-			45	I-1	S-04		SHELTER LOCKSET, REMOVABLE INTERMEDIATE MULLION TO BE ADDED, EXIT
229A	1	229	GYM	1	CORRIDOR		3' - 2"	7' - 0"	1 3/4"	F		WD	FF	-	EXIST	PNT	-	-		-	45	-	S-03		NEW DOORS TO HAVE GYM PADDING TO MATCH EXISTING, EXIT DEVICE, SHELTER LOCKSET
229B	1	229	GYM	1			3' - 2" 3' - 0"	7' - 0"	1 3/4"	F		WD WD	IFF	-	EXIST	PNT PNT	-	-		-	45 45	-	S-03 S-03		NEW DOORS TO HAVE GYM PADDING TO MATCH EXISTING, EXIT DEVICE, SHELTER LOCKSET EXIT DEVICE, NEW DOORS TO HAVE GYM PADDING TO MATCH EXISTING
229D	1	229	GYM	1	CORRIDOR		3' - 0"	7' - 0"	1 3/4"	F		WD	FF	-	EXIST	PNT	-	-			45	-	S-03		SHELTER LOCKSET EXIT DEVICE, NEW DOORS TO HAVE GYM PADDING TO MATCH EXISTING,
229E	1	229	GYM	1	CORRIDOR		3' - 0"	7' - 0"	1 3/4"	F		WD	FF	-	EXIST	PNT	-	-		-	45	-	S-03		SHELTER LOCKSET SHELTER LOCKSET, EXIT DEVICE, NEW DOORS TO HAVE GYM PADDING TO MATCH EXISTING
255 256	1	F	BR BR	1	CORRIDOR CORRIDOR		2' - 8" 2' - 8"	7' - 0"	1 3/4" 1 3/4"	F		WD WD	FF FF	-	EXIST EXIST	PNT PNT	-	-		-	45 45	-	04 04		
		•	•	•						1'				NFW		רו אטן	י OOR גרו	HEDLIIF							·
~					DOO	DR									FRAM							ÞEN	SOL		
NUMBE	UANTIT							L IESS		IAL			IIAL		JETAIL		DETAIL	TAIL	(NIM)	<u>9</u>	VARE	JO-DID	S CONTI		
DOOR	LEAF Q	FROM		то				HEIGH	ТҮРЕ	MATER	FINISH	ТҮРЕ	MATER	FINISH	HEAD C		JAMB [SILL DE	LABEL (GLAZIN	HARDV	MAG H	ACCES!		REMARKS
1A	2			227B	SEC. VESTIBULE		8'	' - 0" 1 3/4'	DG	ALUM	FF	- A	LUM F	F					-	X-3	EX05	- (
1B 1C	2 2	27B 9	SEC. VESTIBULE	227B 1	SEC. VESTIBULE		8'	· - 0" 1 3/4' ' - 0" 1 3/4'	DG DG	ALUM	FF FF	- Al	LUM F	-F					-	X-3 X-3	EX05 EX06	- (LR CR		
1F 11	2 2		JEC. VESTIDULE			2' - 7 1 2' - 8"	1/2" 7' ' 7'	- 0" 1 3/4 - 0" 1 3/4 - 0" 1 3/4	' G ' G	FRP FRP	FF FF	3 A 7 A	LUM F	· · · · · · · · · · · · · · · · · · ·					-	X-3 X-3	EX04 EX05	- (CR CR		
1K 1Q	2 11		STAIR B CORRIDOR			2' - 7 1 2' - 10	, 1/2" 7' 0 1/2 <u>"</u> 6'	' - 1" 1 3/4' ' - 8 1/2" 1 3/4'	' G ' N	FRP FRP	FF FF	5 A	LUM F	F						X-3 X-3	EX01 EX02	- (CR		
1S 3	2 1 2 1	(CORRIDOR			3' - 0" 2' - 8"	' 7' ' 7'	' - 0" 1 3/4' ' - 0" 1 3/4'	' F ' G	FRP FRP	FF FF	3 A 6 A	lum f	F					-	X-3	EX05 EX05	-			
9	2			1		2' - 8"	· 7'	' - 0" 1 3/4'	' F	FRP	FF	5 A	LUM F	F					-	-	EX05	-			





(13)

EASTCHESTER **UNION FREE** SCHOOL DISTRICT

2022 CAPITAL BOND PROJECT PHASE 2

ANNE HUTCHINSON ELEMENTARY SCHOOL

ARCHITECT

 $M \equiv M \wedge S$ 2 LYON PLACE WHITE PLAINS, NY 10601 914.915.9519 MEMASIDESIGN.COM

SITE - CIVIL CONSULTANT THE LA GROUP 179 GRAHAM ROAD ITHACA, NY 14850

STRUCTURAL CONSULTANT REILLY TARANTINO ENGINEERING 1000 PARK BLVD., SUITE 209 MASSAPEQUA PARK, NY 11762

MEP CONSULTANT STANTEC 30 OAK STREET, SUITE 400 STAMFORD, CT 06905

SECURITY CONSULTANT BUILDING TECHNOLOGY CONSULTING 992 BEDFORD STREET BRIDGEWATER, MA 02324

HAZARDOUS MATERIALS CONSULTANT WSP ONE PENN PLAZA

250 W 34TH ST., 4TH FLOOR NEW YORK, NY 10119

LIGHTING CONSULTANT GOLDSTICK LIGHTING DESIGN 629 FIFTH AVE, #204 PELHAM, NY 10803 914.693.0221

BID SET	01/03/2023
ISSUE	DATE
KEY PLAN	
	z
SED PROJECT NO.	66-03-01-03-0-001-022
MEMASI PROJECT NO.	102-2202





FRAME TYPE 1 1/2" = 1'-0"



1 1/2" = 1'-0"

-(34)





KEY NOTES

(14)





— (3) ANCHOR CLIPS EACH

– DOUBLE STUDS AT JAMBS, EXTEND TO

STRUCTURE ABOVE, TYP FASTEN GWB TO BOTH STUDS

(13)

SÍDE(MIN) ABOVE OR

BELOW EACH HINGE



-(33)

TRANSACTION WINDOW



TRANSACTION WINDOW 1/2" = 1'-0"

1 9/16"____

HEAD DETAIL

3" = 1'-0"









WINDOW SCHEDULE

TYPE MARK | ROUGH WIDTH | ROUGH HEIGHT | PHASE CREATED | FRAME TYPE

4' - 3"

' - 2 1/4"

Current Project Current Project

JAMB DETAIL

(32)

- EXISTING METAL STUD

PARTITION TO REMAIN

REQUIRED FOR PROPER

FIT ANG FINISH OF NEW

- HM DOOR FRAME

-(22)

_1/2" TYP____GC TO REPAIR GWB AS

DOOR

_____ ٿ

VARIĚS _____1 15/16"

AS REQUIRED

-(31)









EXT. DOOR THRESHOLD DETAIL 3" = 1'-0"

-(30)







EASTCHESTER **UNION FREE** SCHOOL DISTRICT

2022 CAPITAL BOND PROJECT PHASE 2

ANNE HUTCHINSON ELEMENTARY SCHOOL

ARCHITECT

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NEW YORK, NY 10119 LIGHTING CONSULTANT

GOLDSTICK LIGHTING DESIGN 629 FIFTH AVE, #204 PELHAM, NY 10803 914.693.0221

SEAL	
BID SET	01/03/2023
1330E	DATE
KEY PLAN	
	z
SED PROJECT NO.	66-03-01-03-0-001-022
MEMASI PROJECT NO.	102-2202
DOOR AN WINDOW DETAILS	1D
AH A90	2

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(10)

Γ	MECHANICAL SYMBOLS - GENERAL
	NEW PIPING, DUCTWORK, OR EQUIPMENT
	EXISTING PIPING, DUCTWORK, OR EQUIPMENT TO REMAIN
	EXISTING PIPING, DUCTWORK, OR EQUIPMENT TO BE REMOVED
	NEW EQUIPMENT
ER	EXISTING EQUIPMENT TO BE REMOVED
	EXISTING EQUIPMENT TO REMAIN
	EXISTING EQUIPMENT TO BE REMOVED AND RELOCATED
RE	RELOCATED POSITION OF EXISTING EQUIPMENT
—	CONTINUATION FOR DUCTWORK OR PIPING
	-TYPE OF EQUIPMENT (AIR HANDLING UNIT)
	-UNIT NUMBER
•	POINT OF CONNECTION (OF NEW WORK TO EXISTING WORK) OR POINT DISCONNECTION (TO REMOVE AND PATCH EXISTING WORK)
<₩>	DRAWING NOTE TAG
	REVISION SYMBOL
	SECTION DESIGNATION ON DRAWING WHERE SECTION IS CUT
A B	A – SECTION DESIGNATION B – DRAWING NO.
1	THERMOSTAT (HAS DISPLAY, OCCUPANT ADJUSTMENT, OR BOTH) TO BE WALL MOUNTED. REFER TO PLANS FOR LOCATION.
TS	TEMPERATURE SENSOR (HAS NO DISPLAY OR OCCUPANT ADJUSTMENT) BE WALL OR DUCT MOUNTED. REFER TO PLANS FOR LOCATION.
- B	DUCT MOUNTED SMOKE DETECTOR

М	ECHANIC	AL SYMBOLS - DUCTWORK
18X12	+ 18X12 +	DUCT SIZE (FIRST FIGURE INDICATES HORIZONTAL SIZE)
, <u>18ø</u> ,	180	ROUND DUCT DIAMETER
$\boxtimes \vdash$		SUPPLY OR OUTSIDE AIR INTAKE DUCT UP
×,		SUPPLY OUTSIDE AIR INTAKE DUCT DOWN
		RETURN OR EXHAUST DUCT UP
$[\rightarrow] \rightarrow$		RETURN OR EXHAUST DUCT DOWN
<u>└───</u>		ACOUSTICAL LINING IN DUCT
		TRANSITION FROM RECTANGULAR TO ROUND OR OVAL DUC
S AD		ACCESS DOOR IN DUCT
,►R ,		SLOPING RISE IN DUCT IN DIRECTION OF ARROW
€D		SLOPING DROP IN DUCT IN DIRECTION OF ARROW
<u>ب</u>		MITERED ELBOW WITH TURNING VANES
Ĺ	Æ	RADIUS ELBOW (INNER RADIUS = WIDTH)
، ب		DUCT SPLIT
; ب		90° BRANCH TAP (USE 45° BOOT, OR CONICAL TAP FOR BRANCH SERVING A SINGLE DIFFUSER/REGISTER ONLY)
, کر		45° BRANCH TAP
, 		SPLIT (SUPPLY) OR CONVERGENCE (RETURN/EXHAUST) RADIUS ELBOW TYPE
↓		SPLIT (SUPPLY) OR CONVERGENCE (RETURN/EXHAUST) MITERED ELBOW TYPE WITH TURNING VANES
, ↓ ↓		SPLIT (SUPPLY) OR CONVERGENCE (RETURN/EXHAUST) BULLHEAD TYPE
۲ ر		OFFSET (WITH RADIUS ELBOWS)
⊱ →		SUPPLY REGISTER
⊱┤╼≁╌		RETURN OR EXHAUST REGISTER
۶-۲ ۲۵		VOLUME DAMPER
⊱ ¦ FD	FD FD	FIRE DAMPER W/DUCT ACCESS DOOR (FD/AD)
≻⊢⊟₩		MOTORIZED DAMPER W/DUCT ACCESS DOOR
FXC 5	FXC FXC	FLEXIBLE CONNECTION
~~~~~		FLEXIBLE DUCT
run j		MODULAR LINEAR DIFFUSER WITH PLENUM

BRANCH TAKEOFF TO CEILING DIFFUSER/REGISTER

MECH	ANICAL S	YMBOLS - DUCTWORK (CONT.)	ME	CHANICAL SYMBOLS - PIPING (CONT.)
+ →	SUPPLY CEILIN	G DIFFUSER (4-WAY BLOW)	⊱ H∕cws →	DUAL-TEMPERATURE HOT/CHILLED WATER SUPPLY
+ ▼	SUPPLY CEILIN	G DIFFUSER (3–WAY BLOW)		DUAL-TEMPERATURE HOT/CHILLED WATER RETURN
+			S-CHWR-S	CHILLED WATER RETURN
- <b>A</b> -	SUPPLY CEILING	G DIFFUSER (2-WAY BLOW)		HOT WATER SUPPLY
t t	SUPPLY CEILIN	G DIFFUSER (1-WAY BLOW)		HOT WATER RETURN
CD-B(500)	DIFFUSER TYPE SCHEDULE.	AND CFM (CUBIC FEET PER MINUTE). REFER TO		LOW PRESSURE STEAM SUPPLY
	RETURN CEILIN	G GRILLE OR REGISTER		LOW PRESSURE STEAM CONDENSATE RETURN
VAV-B(500)	TERMINAL BOX SIZE, AND CFM	(CV, VAV, FP). DESIGNATION INDICATES TYPE, BOX I. QUANTITY (REFER TO SCHEDULES).		CONDENSATE DRAIN LINE (GRAVITY)
VAV-B(500)	TERMINAL BOX TYPE, BOX SIZ	WITH REHEAT COIL (CV, VAV, FP). DESIGNATION INDICATES E AND CFM. QUANTITY (REFER TO SCHEDULES).	, , ,	
⊱— SA —→	SA A	SUPPLY AIR DUCT		MECHANICAL ABBREVIATIONS
⊱— RA —→		RETURN AIR DUCT	ACU	AIR CONDITIONING UNIT
		OUTSIDE AIR INTAKE DUCT	AD AHU	ACCESS DOOR AIR HANDLING UNIT
⊱EXH\$	<u>↑ EXH</u> ↑	EXHAUST DUCT	ATC	AUTOMATIC TEMPERATURE CONTROL
Ν./Ι			BMS	BUILDING MANAGEMENT SYSTEM
IVI			CFM	CUBIC FEET PER MINUTE
<b>≻</b> →		DIRECTION OF FLOW IN PIPE	CV	CONSTANT VOLUME
·		PITCH PIPE DOWN IN DIRECTION OF ARROW	DX	DIRECT EXPANSION
è—		ELBOW TURNED UP	EAT	ENTERING AIR TEMPERATURE
			ER	EXISTING EQUIPMENT TO REMOVED
<u>ر</u>		ELBOW TURNED DOWN	EKK	EXISTING EQUIPMENT TO REMOVED AND RELOCATED
, ↓ ↓		BOTTOM PIPE CONNECTION	FLA	FULL LOAD AMPS
، ب ب			FPI	FIN PER INCH
ــــــــــــــــــــــــــــــــــــــ			FTR	FIN TUBE RADIATION
<u>}</u>	Electric for the second	FLEXIBLE CONNECTION	GPM HX	GALLONS PER MINUTE HEAT EXCHANGER
;i∎i;		BALL VALVE	HZ	HERTZ
<u>,                                    </u>		GATE VALVE	KW	
→			MBH	THOUSAND BTU PER HOUR
			MCA	MINIMUM CIRCUIT AMPS
		CHECK VALVE (ARROW INDICATES FLOW DIRECTION)	NC	NORMALLY CLOSED
<u>ن گ</u>		AUTOMATIC THREE-WAY CONTROL VALVE	NK	NECK SIZE
۲			NO	NORMALLY OPEN
,——⊗——-,		AUTOMATIC TWO-WAY CONTROL VALVE	NTS OFD	OPEN END DUCT
		PRESSURE REDUCING VALVE	PH	PHASE
			PSI	POUND PER SQUARE INCH
⊱י₩⊢₹		PLUG VALVE	PSIA	POUNDS PER SQUARE INCH ABSOLUTE
 ۲			PSIG	RELOCATED POSITION OF EXISTING EQUIPMENT
			RE:	REFER TO
ĭ → K → ~ i	50	CIRCUIT SETTER/BALANCING VALVE	TYP	TYPICAL
<u>ب                                    </u>		PIPE GUIDE	VN V	VENT
			VFD	VARIABLE FREQUENCY DRIVE
2	E <b>]</b> B	EXPANSION JOINT	WMS	WIRE MESH SCREEN
		CONCENTRIC REDUCER (ARROW INDICATES FLOW DIRECTION)		NEW YORK STATE CODES & STANDARDS
~_ <b>_</b> ~		ECCENTRIC REDUCER (ARROW INDICATES FLOW DIRECTION)	•	2020 BUILDING CODE OF NEW YORK STATE 2020 FIRE CODE OF NEW YORK STATE 2020 PLUMBING CODE OF NEW YORK STATE
<u>، اب ،</u>		UNION		2020 MECHANICAL CODE OF NEW YORK STATE 2020 FUEL GAS CODE OF NEW YORK STATE 2020 NYS UNIFORM CODE SUPPLEMENT
		CAPPED PIPE	•	NYS EDUCATION DEPARTMENT 1998 MANUAL OF PLANNING STANDARDS
<u>، ارا ، ، ، ، ، ، ، ، ، ، ، ، ، ، ، ، ، </u>				
		T TYPE STRAINER WITH BLOW DOWN VALVE	•	2016 ASHRAE 90.1
	<u>گ</u> ــــــــــــــــــــــــــــــــــــ	PIPE SLEEVE		REFERENCED STANDARDS
· · · · · · · · · · · · · · · · · · ·	PIPE FLANGE		APPLICABLE RE BELOW IS FOR	FERENCE STANDARDS SHALL BE AS REFERENCED BY ALL STATE CODES. THE LIST QUICK REFERENCE AND DOES NOT INCLUDE ALL APPLICABLE REFERENCE STANDARDS.
<u>نے ٹی ج</u>	VALVE IN VERT	ICAL PIPE	•	2016 NPFA 13 - STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS
	MANUAL AIR VE	VENT		2016 NFPA 20 - STANDARD FOR THE INSTALLATION OF STANDFIPE AND HOSE SYSTEMS 2016 NFPA 20 - STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION 2017 NFPA 70 - NATIONAL ELECTRICAL CODE 2016 NFPA 72 - NATIONAL FIRE ALARM AND SIGNALING CODE
	THERMOMFTER			
<del>، ۳</del>	PIPE SENSOR	WFLI	Sheet Number S	
· ⊔ <u> </u>			AH M001 C	
	PRESSURE GAU	UGE WITH SHUT OFF VALVE	AH M201 S	SCHEDULES
$\bigcirc$	PUMP			JE I AILO

--

# THESE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND ARE INTENDED TO CONVEY THE SCOPE OF WORK AS WELL AS INDICATE GENERAL ARRANGEMENT OF EQUIPMENT,

AND THE EQUIPMENT. CONSTRUCTION.

FNGINFFR.

FOR ANOTHER TRADE.

SPECIFICATIONS.

DRAWINGS.

NOTED.

IN THE FACILITY.

#### MECHANICAL GENERAL NOTES

#### MECHANICAL GENERAL NOTES (CONT.)

THE OWNER. NOTIFY THE OWNER PRIOR TO STARTING WORK AND VERIFY COMPLIANCE WITH BOND AND WARRANTY OF THE ROOF.

- 32. RUN DUCTS AND PIPING CONCEALED, UNLESS OTHERWISE SPECIFIED, AND CLEAR OF CEILING INSERTS.
- 33. PROVIDE CLEARANCE IN FRONT OF ALL ELECTRIC CONTROL PANELS PER N.E.C. AND EQUIPMENT MANUFACTURERS' REQUIREMENTS.
- 34. PRIOR TO SUBMISSION OF SHOP DRAWINGS, COORDINATE WITH ELECTRICAL CONTRACTOR TO VERIFY VOLTAGES AVAILABLE FOR MECHANICAL EQUIPMENT.
- 35. MOTOR STARTERS AND VARIABLE FREQUENCY DRIVES FOR HVAC EQUIPMENT SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR AND INSTALLED/WIRED BY THE ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED. COORDINATE AND VERIFY WITH ELECTRICAL CONTRACTOR PRIOR TO SHOP DRAWING SUBMISSION.
- 36. ALL DISCONNECT SWITCHES FOR HVAC EQUIPMENT SHALL BE FURNISHED, INSTALLED, AND WIRED BY THE ELECTRICAL CONTRACTOR, UNLESS INTEGRAL TO HVAC EQUIPMENT OR OTHERWISE NOTED. COORDINATE AND VERIFY WITH ELECTRICAL CONTRACTOR PRIOR TO SHOP DRAWING SUBMISSION.
- 37. USE FLAT TRANSVERSE SEAM FOR DUCTWORK WHERE SPACE AVAILABLE DICTATES.
- 38. BRANCH DUCTS TO INDIVIDUAL DIFFUSERS AND REGISTERS SHALL BE THE SAME SIZE AS THE DIFFUSER OR REGISTER NECK, UNLESS OTHERWISE NOTED. 39. ALL DUCTWORK AND PIPING SHALL BE INSTALLED TIGHT TO BOTTOM OF STRUCTURAL MEMBERS UNLESS OTHERWISE NOTED OR ABSOLUTELY REQUIRED BY FIELD
- CONDITIONS. 40. DO NOT INSTALL DUCTWORK OR PIPING DIRECTLY UNDER AND PARALLEL TO THE WEB OF STRUCTURAL MEMBERS. OFFSET IN ORDER TO ALLOW FUTURE DUCTWORK AND PIPING TO CROSS OVER IN BETWEEN STRUCTURAL MEMBERS.
- 41. BRANCH DUCTS TO INDIVIDUAL DIFFUSERS AND REGISTERS SHALL BE PROVIDED WITH VOLUME DAMPERS, WHETHER OR NOT THE VOLUME DAMPERS ARE SHOWN ON PLAN.
- 42. VOLUME DAMPERS LOCATED ABOVE INACCESSIBLE CEILINGS SHALL BE CABLE OPERATED TYPE, WITH CABLE OPERATORS LOCATED IN ACCESSIBLE LOCATIONS AND CLEARLY LABELED FOR DIFFUSER OR REGISTER SERVED.
- 43. UNLESS OTHERWISE NOTED, ALL EXPOSED DUCTWORK IN FINISHED SPACES SHALL BE SPIRAL ROUND OR FLAT OVAL TYPE, WITH SOLID OUTER WALL, PERFORATED INNER WALL, AND 1 INCH THICK INTERSTITIAL ACOUSTICAL LINING.
- 44. CONDENSATE DRAIN (CD) AND CONDENSATE PUMP DISCHARGE (PD) PIPING SHALL BE RIGID COPPER, TYPE L, MINIMUM 3/4" NOMINAL PIPE SIZE, BRAZED OR SOLDERED, WITH 1" INSULATION, UNLESS OTHERWISE NOTED ON DRAWINGS.
- 45. NEW AND EXISTING PERMANENT HVAC AIR EQUIPMENT MAY BE USED BY CONTRACTORS DURING CONSTRUCTION FOR TEMPORARY HEATING, COOLING, AND VENTILATION, ONLY UNDER THE FOLLOWING CONDITIONS: 45.1. CONTRACTOR TO PROVIDE TEMPORARY FILTERS IN EACH UNIT DURING
- CONSTRUCTION, WHICH SHALL BE REPLACED WITH NEW CLEAN FILTERS AFTER GENERAL CONSTRUCTION IS COMPLETED. 45.2. CONTRACTOR TO PROVIDE FILTER FABRIC AT ALL RETURN AND EXHAUST REGISTERS, GRILLES, AND OPENINGS DURING CONSTRUCTION.
- 45.3. THE WARRANTY PERIOD FOR ALL EQUIPMENT SHALL NOT BEGIN UNTIL CONSTRUCTION IS COMPLETED. IF THE EQUIPMENT MANUFACTURER'S WARRANTY PERIOD BEGINS WHILE THE UNIT USED DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH EXTENDING THE WARRANTY TO PROVIDE THE FULL PERIOD OF COVERAGE TO
- THE OWNER. 45.4. IF NEW PERMANENT HVAC AIR EQUIPMENT INSTALLED UNDER THIS PROJECT WILL NOT BE OPERATED BY THE CONTRACTOR DURING CONSTRUCTION, ALL OPEN OR INCOMPLETE DUCTWORK SHALL BE CAPPED AIRTIGHT WITH WITH HEAVY POLYETHYLENE PLASTIC. AFTER THE INSTALLATION OF DUCTWORK, REGISTERS, GRILLES, AND DIFFUSERS. THE CONTRACTOR SHALL BLANK OFF ALL REGISTERS, GRILLES, AND DIFFUSERS WITH HEAVY POLYETHYLENE PLASTIC AND TAPE AIR TIGHT, IN AREAS THAT ARE UNDER CONSTRUCTION, UNTIL WORK IS COMPLETE IN THOSE AREAS.
- 45.5. IF THE ABOVE CONDITIONS ARE NOT MET, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY NECESSARY TEMPORARY HEATING, COOLING, AND VENTILATION EQUIPMENT, DUCTWORK, CONTROLS, PIPING, AND POWER AT HIS OWN EXPENSE.
- 45.6. IF PERMANENT HVAC EQUIPMENT IS USED DURING CONSTRUCTION BUT NOT PROPERLY PROTECTED AS DESCRIBED ABOVE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING OUT DUST AND DEBRIS FROM DUCTWORK AND EQUIPMENT, AS WELL AS ANY NECESSARY REPAIR OR REPLACEMENT OF DAMAGED EQUIPMENT AT HIS OWN EXPENSE. 45.7. WHEN GENERAL CONSTRUCTION IS COMPLETE, VACUUM CLEAN ALL DIFFUSERS,
- REGISTERS, GRILLES, AND HVAC EQUIPMENT IN THE PROJECT AREA OR SERVING THE PROJECT AREA. REMOVE ANY CONSTRUCTION DEBRIS.

#### MECHANICAL DEMOLITION GENERAL NOTES

- DEMOLITION NOTES, SYMBOL LIST, AND DETAILS ARE APPLICABLE TO ALL HVAC/MECHANICAL DRAWINGS.
- 2. ALL PIPING IN WALLS AND FLOORS NOT TO BE REUSED WILL BE PLUGGED OR CAPPED, AND CUTTING AND PATCHING WILL BE PERFORMED TO RESTORE SURFACE TO ORIGINAL CONDITION BY THIS CONTRACTOR.
- AFTER REMOVING PIPE THROUGH THE FLOOR SLABS, PACK OPENING WITH APPROVED FIRE-RATED PACKING.
- THE CONTRACTOR SHALL INCLUDE IN HIS PRICE ALL COSTS ASSOCIATED WITH REMOVALS AND RELOCATIONS OF HVAC WORK AS DESCRIBED ON THE DRAWINGS AND IN THE SPECIFICATIONS WITH ALLOWANCES FOR EXPECTED OR UNFORESEEN DIFFICULTIES WHEN CONCEALED WORK HAS BEEN OPENED. NO CLAIMS FOR ADDITIONAL WORK ASSOCIATED WITH DEMOLITION WILL BE ACCEPTED, EXCEPT IN CERTAIN CASES CONSIDERED JUSTIFIABLE BY THE OWNER/ENGINEER.
- THE CONTRACTOR SHALL PERFORM DEMOLITION AND REMOVAL WORK WITH MINIMUM INTERFERENCE WITH FUNCTIONING HVAC SYSTEMS. ALL AFFECTED SYSTEMS SHALL BE RECONNECTED AND RESTORED.
- DEMOLITION AND REMOVAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER. THE CONTRACTOR SHALL PATCH, REPAIR, OR OTHERWISE RESTORE ANY DAMAGED INTERIOR OR EXTERIOR BUILDING SURFACE TO ITS ORIGINAL CONDITION.
- THE CONTRACTOR SHALL REMOVE ALL DUCT AND PIPING SUPPORTS, ETC. FROM PARTITIONS THAT ARE TO BE REMOVED. WHERE THE REMOVAL OF THESE ITEMS DISRUPTS EXISTING PIPING THAT IS TO REMAIN, THE CONTRACTOR SHALL INSTALL AND PROVIDE BYPASS CONNECTIONS NECESSARY.
- . ALL PIPING WHICH BECOMES EXPOSED DURING THE ALTERATION WORK SHALL BE REAVED AND REROUTED CONCEALED BEHIND FINISHED SURFACES.
- 9. PORTIONS OF PIPING AND DUCTWORK TO BE REMOVED OR ABANDONED AS A RESULT OF DEMOLITION WORK, BUT WHICH ARE REQUIRED TO REMAIN ACTIVE, SHALL BE CUT AT CONVENIENT LOCATIONS, REROUTED, AND RECONNECTED.
- 10. THE CONTRACTOR SHALL NOTIFY THE OWNER AT THE APPROPRIATE TIME OF THE PROJECTED DEMOLITION AND PHASING SCHEDULE, SO THAT REMOVAL OR RELOCATION OF AFFECTED UTILITIES MAY BE CARRIED OUT IN COORDINATION WITH THE PROJECT REQUIREMENTS.
- 11. ALL EXISTING MATERIAL AND EQUIPMENT IN USABLE CONDITION, WHICH IS TO BE REMOVED UNDER THIS CONTRACT, SHALL REMAIN THE PROPERTY OF THE OWNER OR SHALL BE DISPOSED OF BY THE HVAC CONTRACTOR, AS DIRECTED BY THE OWNER.
- 12. ARRANGE TO WORK CONTINUOUSLY, INCLUDING OVER TIME, IF REQUIRED, TO ASSURE THAT SYSTEMS WILL BE SHUT DOWN ONLY DURING THE TIME ACTUALLY REQUIRED TO MAKE THE NECESSARY CONNECTIONS TO THE EXISTING SYSTEMS.
- 13. THE SHUTDOWN OF EXISTING BUILDING HVAC SERVICES SHALL BE COORDINATED WITH WITH THE OWNER. MAKE ARRANGEMENTS AT LEAST FIVE (5) BUSINESS DAYS PRIOR TO A SHUTDOWN.
- 14. CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS.
- 15. WHERE THE DEMOLITION OF EXISTING PNEUMATIC CONTROL EQUIPMENT. THERMOSTATS, OR TUBING IS INDICATED IN THE PLANS, THE CONTRACTOR SHALL CAP THE ENDS OF ALL EXISTING TO REMAIN PNEUMATIC LINES AIRTIGHT UNLESS OTHERWISE NOTED. IF ADDITIONAL PNEUMATIC LINES OR DEVICES ARE DISCOVERED BY THE CONTRACTOR INSIDE WALLS OR ABOVE CEILINGS DURING DEMOLITION, THE CONTRACTOR SHALL INFORM THE DESIGN TEAM PRIOR TO REMOVAL OF THESE LINES OR DEVICES.

- DUCTWORK AND PIPING. THE CONTRACTOR SHALL ADHERE TO THESE DRAWINGS AS CLOSELY AS POSSIBLE. HOWEVER, THE RIGHT IS RESERVED TO VARY THE RUNS OF DUCTWORK AND PIPING AND TO MAKE OFFSETS, WHERE NECESSARY, TO ACCOMMODATE CONDITIONS ARISING AT THE JOB SITE. THE CONTRACTOR SHALL PREPARE SHOP DRAWINGS TO BE SUBMITTED TO THE ENGINEER FOR APPROVAL. NO WORK SHALL BE PERFORMED PRIOR TO RECEIPT OF EQUIPMENT, DUCTWORK, AND PIPING FABRICATION SHOP DRAWING APPROVAL.
- THE DRAWINGS AND SPECIFICATIONS SHALL BE INTERPRETED SO AS TO REQUIRE THE MOST SUBSTANTIAL AND COMPREHENSIVE PERFORMANCE OF THE WORK, CONSISTENT WITH THE INTENT AND REQUIREMENTS OF THE CONTRACT DOCUMENTS, AND SUCH WORK SHALL BE PERFORMED BY THE CONTRACTOR WITHOUT EXTRA COST TO THE OWNER. IN THE CASE OF A DISCREPANCY WITHIN THE CONTRACT DOCUMENTS, THE WORST CASE OR HIGHEST COST SHALL APPLY FOR BIDDING PURPOSES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCY VIA RFI PRIOR TO PERFORMING THE ASSOCIATED WORK.
- ANY MATERIAL, WORK, OR INCIDENTAL ACCESSORIES OR MINOR DETAILS NOT SHOWN BUT NECESSARY TO MAKE THE WORK COMPLETE IN ALL RESPECTS AND READY FOR OPERATION, EVEN IF NOT PARTICULARLY SHOWN ON THE DRAWINGS, SHALL BE PROVIDED BY THE CONTRACTOR WITHOUT ADDITIONAL EXPENSE TO THE OWNER.
- DUCT SIZES SHOWN ON DRAWINGS ARE CLEAR INSIDE DIMENSIONS. WHERE ACOUSTICALLY LINED DUCT IS SPECIFIED, OUTER DUCT DIMENSIONS SHALL BE INCREASED TO ACCOMMODATE LINING.
- WHERE WORK IS INDICATED TO BE BY OTHER CONTRACTORS, FOR EXAMPLE: "BY GENERAL CONSTRUCTION CONTRACTOR", THIS WORK IS NOT IN THE HVAC/MECHANICAL CONTRACT. EACH CONTRACTOR WILL BE RESPONSIBLE FOR CLOSE COORDINATION WITH OTHER CONTRACTORS' WORK.
- REFER TO APPROPRIATE SPECIFICATION SECTION FOR EQUIPMENT SELECTION PARAMETERS WHERE DRAWINGS DO NOT CONTAIN EQUIPMENT SCHEDULES.
- FOR AIR SYSTEMS, THE MECHANICAL CONTRACTOR SHALL INCLUDE IN BID PRICING SUPPLYING AND INSTALLING BRANCH VOLUME DAMPERS FOR ALL SUPPLY, RETURN. AND EXHAUST BRANCH DUCTWORK, REGARDLESS IF VOLUME DAMPERS ARE NOT SHOWN IN CONTRACT DOCUMENTS. ALL VOLUME DAMPERS SHALL BE ADJUSTABLE HANDLE TYPE FOR LAY-IN ACCESSIBLE CEILING OR CABLE OPERATED FOR CONCEALED TYPE OF CEILING. ALL BRANCH DUCT VOLUME DAMPERS SERVING DIFFUSERS IN GYPSUM BOARD CEILINGS (OR OTHERWISE INACCESSIBLE) SHALL BE REMOTELY (CORD OR CABLE) OPERABLE THROUGH THE FACE OF THE DIFFUSER.
- INSTALL THERMOSTATS, FAN SPEED CONTROLLERS, AND OTHER ROOM OCCUPANT ADJUSTABLE CONTROLS WITH TOP OF DEVICE 4'-0" ABOVE FINISHED FLOOR OR AS DIRECTED OTHERWISE BY ARCHITECT. COORDINATE EXACT LOCATIONS WITH THE ARCHITECTURAL PLANS. DEVICE COLORS TO BE SELECTED BY THE ARCHITECT. MANUFACTURER'S LOGO SHALL NOT BE EXPOSED.
- WHERE PIPING CONNECTIONS FOR EQUIPMENT SUCH AS PUMPS, AC UNITS, COILS, ETC. DIFFER FROM THE LINE SIZE PIPING, IT SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO FURNISH AND INSTALL THE NECESSARY REDUCER/EXPANDER FITTINGS TO ENABLE CONNECTION BETWEEN THE PIPING SYSTEM
- 10. PROVIDE UL LISTED AND LABELED FIRE DAMPERS AT ALL DUCT PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS. REGARDLESS IF FIRE DAMPERS ARE NOT SHOWN IN CONTRACT DOCUMENTS. PROVIDE 1-1/2 HOUR RATED FIRE DAMPERS AT WALLS/FLOORS WITH 2 HOUR OR LESS RATING. PROVIDE 3 HOUR RATED FIRE DAMPERS AT WALLS/FLOORS WITH 3 HOUR OR MORE RATING. ALL FIRE DAMPERS SHALL BE TYPE "B" WITH SHUTTER OUT OF AIRSTREAM, AND SHALL BE RATED FOR DYNAMIC AIRFLOW CONDITIONS 2,000 FT/MIN AND 4.0 IN-WC. PROVIDE ACCESS DOORS IN DUCTWORK, 18"x18" UNLESS OTHERWISE NOTED. COORDINATE WITH GENERAL CONTRACTOR FOR LOCATIONS AND SIZES OF ACCESS DOORS IN GENERAL
- . PROVIDE UL LISTED AND LABELED COMBINATION FIRE/SMOKE DAMPERS AT ALL DUCT PENETRATIONS THROUGH FIRE AND SMOKE RATED WALLS AND FLOORS, REGARDLESS IF FIRE DAMPERS ARE NOT SHOWN IN CONTRACT DOCUMENTS. ALL COMBINATION FIRE/SMOKE DAMPERS SHALL BE PROVIDED WITH AN END SWITCH FOR STATUS SIGNAL TO THE BMS AND FIRE SMOKE CONTROL PANEL. ALL COMBINATION FIRE/SMOKE DAMPERS SHALL BE RATED FOR DYNAMIC AIRFLOW CONDITIONS 2,000 FT/MIN AND 4.0 IN-WC. PROVIDE ACCESS DOORS IN DUCTWORK. 18"x18" UNLESS OTHERWISE NOTED. COORDINATE WITH GENERAL CONTRACTOR FOR LOCATIONS AND SIZES OF ACCESS DOORS IN GENERAL CONSTRUCTION. 12. PROVIDE FIRESTOPPING FOR ALL DUCT, PIPE, AND CONDUIT PENETRATIONS THROUGH
- FIRE RATED WALLS AND FLOORS. 13. WHERE DUCTS AND PIPES PENETRATE FIRE AND/OR SMOKE RATED WALLS, LEAVE A
- MINIMUM OF 2 INCHES CLEAR ABOVE THE DUCTS AND PIPES, SUCH THAT THE MECHANICAL CONTRACTOR CAN SEAL THE WALL ABOVE THE DUCTS. DO NOT INSTALL FLEXIBLE DUCTWORK THROUGH FIRE AND/OR SMOKE RATED WALLS.
- 14. PROVIDE ESCUTCHEON PLATES WHERE DUCTS OR PIPES PENETRATE CEILINGS, WALLS, OR FLOORS WHERE EXPOSED TO VIEW IN FINISHED AREAS. ESCUTCHEONS FOR DUCTS SHALL BE CONSTRUCTED OF THE SAME MATERIAL AS DUCT. PIPE ESCUTCHEONS SHALL BE CHROME-PLATED BRASS.
- 15. THE MECHANICAL CONTRACTOR SHALL INCLUDE IN BID PRICING SUPPLYING AND INSTALLING THERMOSTATS FOR ANY EQUIPMENT THAT REQUIRES CONTROL, SUCH AS VAV BOXES, FCU, FANS, HEATERS, FINNED TUBE RADIATION, RTU'S, ETC., REGARDLESS IF THERMOSTATS ARE NOT SHOWN IN CONTRACT DOCUMENTS. ALL THERMOSTATS SHALL BE DIRECT DIGITAL PROGRAMMABLE TYPE, UNLESS OTHERWISE NOTED. PROVIDE ONE THERMOSTAT FOR EACH FAN COIL UNIT, FAN UNIT, VAV, FPB, ENTRANCE HEATER, BASEBOARD RADIATION, ETC. THERMOSTAT LOCATIONS SHALL BE AS SHOWN ON PLANS AND/OR WHERE DIRECTED AND APPROVED BY THE ARCHITECT AND
- 16. ALL DUCTWORK AND PIPING REQUIRING FIRE RATING AND WHERE SHOWN ON PLANS SHALL BE PROVIDED WITH UL LISTED FIRE-RATED DUCT WRAP WITH APPROPRIATE FIRE RATING (1-HOUR, 2-HOUR, ETC.), UNLESS A FIRE-RATED ARCHITECTURAL ENCLOSURE IN THAT LOCATION IS SPECIFIED WITHIN DRAWINGS AND SPECIFICATIONS
- 17. ALL LINEAR DIFFUSERS ARE TO BE COORDINATED WITH ARCHITECTURAL PLANS FOR EXACT LENGTHS AND LOCATIONS. ACTIVE PLENUM SECTIONS SHALL BE OF THE SIZES AS SHOWN ON PLANS. EACH BRANCH TAP SERVING THE LINEAR DIFFUSER SHALL BE PROVIDED WITH A VOLUME DAMPER WHICH SHALL BE OPERABLE THROUGH THE DIFFUSER FACE. ACTIVE SUPPLY SECTION OF LINEAR DIFFUSER SHALL BE PROVIDED WITH PATTERN CONTROL DEVICES AND EQUALIZING GRIDS. ACTIVE OR INACTIVE RETURN SECTIONS SHALL NOT BE FURNISHED WITH PATTERN CONTROL OR EQUALIZING GRIDS.
- 18. BORDER TYPES AND METHOD OF ATTACHMENT FOR ALL DIFFUSERS, GRILLES, AND REGISTERS SHALL BE COORDINATED WITH THE ARCHITECTURAL CEILING DETAILS AND
- 19. REFER TO SPECIFICATIONS FOR ACOUSTIC LINING REQUIREMENTS NOT SHOWN ON THE
- 20. FOR WATER SYSTEMS: THE MECHANICAL CONTRACTOR SHALL INCLUDE IN BID PRICING SUPPLYING AND INSTALLING BALL TYPE SHUT-OFF VALVES AND SEPARATE BALANCING VALVE FOR ALL BRANCH PIPING REGARDLESS IF VALVES ARE NOT SHOWN IN CONTRACT DOCUMENTS. ALL SHUT-OFF VALVES SHALL BE FULL PORT AND PRESSURE RATED FOR SYSTEM PRESSURE. THE BALANCING VALVE SHALL BE SIMILAR TO B&G CIRCUIT SETTER PLUS CALIBRATED BALANCE VALVE, UNLESS OTHERWISE
- 21. THE MECHANICAL CONTRACTOR SHALL INCLUDE IN BID PRICING SUPPLYING AND INSTALLING SECONDARY DRAIN PANS FOR ALL AIR CONDITIONING CEILING HUNG EQUIPMENT REGARDLESS IF DRAIN PANS ARE NOT SHOWN IN CONTRACT DOCUMENTS. REFER TO DETAIL FOR INSTALLATION OF DRAIN PANS. IF NO DETAIL IS SHOWN, CONTRACTOR MUST REQUEST DRAIN PAN DETAIL THRU RFI PROCESS DURING BIDDING.
- 22. THE MECHANICAL CONTRACTOR SHALL INCLUDE IN BID PRICING SUPPLYING AND INSTALLING CONDENSATE PIPING FOR ALL COOLING TYPE EQUIPMENT REGARDLESS IF CONDENSATE PIPING IS NOT SHOWN IN CONTRACT DOCUMENTS. ALL CONDENSATE PIPING SHALL BE INSULATED AND ROUTED TO NEAREST DRAIN OR JANITORS CLOSET. IF NO CONDENSATE PIPING IS SHOWN, CONTRACTOR MUST REQUEST CONDENSATE
- PIPING ROUTING THRU RFI PROCESS DURING BIDDING. 23. GENERAL NOTES. SYMBOLS. ABBREVIATIONS. AND DETAILS ARE APPLICABLE TO ALL
- HVAC/MECHANICAL DRAWINGS. 24. RELOCATE EXISTING WORK THAT INTERFERES WITH WORK OF THIS CONTRACT.
- 25. COORDINATE THIS WORK WITH THAT OF OTHER TRADES.
- 26. DIMENSIONS SHOWN ON PLAN ARE HORIZONTAL. DIMENSIONS SHOWN IN ELEVATION ARE VERTICAL, EXCEPT IN WAY OF STRUCTURAL STEEL, DIMENSIONS ARE MEASURED PERPENDICULAR TO FLANGE.
- 27. PRODUCT INSTALLATION SHALL ADHERE TO MANUFACTURERS' RECOMMENDATIONS. 28. PROVIDE ACCESS PANELS IN DUCTS AND CEILINGS/SOFFITS/WALLS/FLOORS IN
- ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS FOR ALL CONCEALED EQUIPMENT THAT REQUIRES PERIODIC SERVICE, INCLUDING AIR CONDITIONING UNITS, FANS, CONDENSATE PUMPS, FIRE DAMPERS, COMBINATION FIRE/SMOKE DAMPERS, AND DUCT MOUNTED SMOKE DETECTORS. MATCH FIRE RATING OF CEILING/SOFFIT/WALL/FLOOR WHERE APPLICABLE.
- 29. PROVIDE HANGERS, INSERTS, ANCHORS, SUPPLEMENTAL STEEL & SUPPORTS AS REQUIRED TO SUPPORT DUCTWORK, PIPING AND EQUIPMENT FROM STRUCTURE. 30. SCHEDULE WORK OF THIS SECTION TO AVOID INTERFERING WITH EXISTING OPERATIONS
- 31. COORDINATE ALL ROOF PENETRATIONS WITH THE WORK OF OTHER SECTIONS AND WITH FLASHING REQUIREMENTS. COORDINATE ALL ROOF PENETRATION LOCATIONS WITH

## EASTCHESTER **UNION FREE** SCHOOL DISTRICT

2022 CAPITAL BOND PROJECT PHASE 2

#### ANNE HUTCHINSON ELEMENTARY SCHOOL

#### ARCHITECT $M \equiv M \land S'$

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STRUCTURAL CONSULTANT **REILLY TARANTINO ENGINEERING** 1000 PARK BLVD., SUITE 209 MASSAPEQUA PARK, NY 11762

MEP CONSULTANT STANTEC 30 OAK STREET, SUITE 400 STAMFORD, CT 06905

SECURITY CONSULTANT BUILDING TECHNOLOGY CONSULTING 992 BEDFORD STREET BRIDGEWATER, MA 02324

HAZARDOUS MATERIALS CONSULTANT WSP

ONE PENN PLAZA 250 W 34TH ST., 4TH FLOOR NEW YORK, NY 10119

LIGHTING CONSULTANT GOLDSTICK LIGHTING DESIGN 629 FIFTH AVE, #204 PELHAM, NY 10803 914.693.0221



- 1. BRANCH DUCTS TO INDIVIDUAL DIFFUSERS AND REGISTERS SHALL BE THE SAME SIZE AS THE DIFFUSER OR REGISTER NECK, UNLESS OTHERWISE NOTED.
- 2. ALL DUCTWORK SHALL BE INSTALLED TIGHT TO BOTTOM OF STRUCTURAL MEMBERS UNLESS OTHERWISE NOTED OR ABSOLUTELY REQUIRED BY FIELD CONDITIONS.
- 3. DO NOT INSTALL DUCTWORK DIRECTLY UNDER AND PARALLEL TO THE WEB OF STRUCTURAL MEMBERS. OFFSET IN ORDER TO ALLOW FUTURE DUCTWORK AND PIPING TO CROSS OVER IN BETWEEN STRUCTURAL MEMBERS.
- 4. BRANCH DUCTS TO INDIVIDUAL DIFFUSERS AND REGISTERS SHALL BE PROVIDED WITH VOLUME DAMPERS, WHETHER OR NOT THE VOLUME DAMPERS ARE SHOWN ON PLAN.
- 5. VOLUME DAMPERS LOCATED ABOVE INACCESSIBLE CEILINGS SHALL BE CABLE OPERATED TYPE, WITH CABLE OPERATORS LOCATED IN ACCESSIBLE LOCATIONS AND CLEARLY LABELED FOR DIFFUSER OR REGISTER SERVED.
- 6. UNLESS OTHERWISE NOTED, ALL EXPOSED DUCTWORK IN FINISHED SPACES SHALL BE SPIRAL ROUND OR FLAT OVAL TYPE, WITH SOLID OUTER WALL, PERFORATED INNER WALL, AND 1 INCH THICK INTERSTITIAL ACOUSTICAL LINING. NEW CONSTRUCTION NOTES - PIPING:
- 1. ALL PIPING SHALL BE INSTALLED TIGHT TO BOTTOM OF STRUCTURAL MEMBERS UNLESS OTHERWISE NOTED OR ABSOLUTELY REQUIRED BY FIELD CONDITIONS.
- 2. DO NOT INSTALL PIPING DIRECTLY UNDER AND PARALLEL TO THE WEB OF STRUCTURAL MEMBERS. OFFSET IN ORDER TO ALLOW FUTURE DUCTWORK AND PIPING TO CROSS OVER IN BETWEEN STRUCTURAL MEMBERS.
- 3. CONDENSATE DRAIN (CD) AND CONDENSATE PUMP DISCHARGE (PD) PIPING SHALL BE RIGID COPPER, TYPE L, MINIMUM 3/4" NOMINAL PIPE SIZE, BRAZED OR SOLDERED, WITH 1" INSULATION, UNLESS OTHERWISE NOTED ON DRAWINGS.





PART PLAN - MECHANICAL PENTHOUSE







**DEMOLITION PART PLAN - FIRST FLOOR** 1/8" = 1'-0"



OFFICE 218





## EASTCHESTER **UNION FREE** SCHOOL DISTRICT

2022 CAPITAL BOND PROJECT PHASE 2

#### ANNE HUTCHINSON ELEMENTARY SCHOOL

#### ARCHITECT $M \equiv M \land S I$

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NEW CONSTRUCTION NOTES - DUCTWORK:

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NOTES:

1. PROVIDE THE FOLLOWING FACTORY SUPPLIED FEATURES AND OPTIONS FOR ALL UNITS WITH OUTSIDE AIR INTAKE CONNECTIONS: 1.1. 2-POSITION OUTSIDE AIR MOTORIZED DAMPER AND ACTUATOR, "OPEN" POSITION FIELD ADJUSTIBLE FROM 0-50%.

2. PROVIDE THE FOLLOWING FACTORY SUPPLIED FEATURES AND OPTIONS FOR ALL FLOOR-MOUNTED UNITS:

2.2. SUB-BASE, 4" HIGH.

3. PROVIDE THE FOLLOWING FIELD SUPPLIED OPTIONS FOR ALL UNITS: 3.1. AUTOMATIC TEMPERATURE CONTROLS SUB-CONTRACTOR TO FURNISH AND FIELD-INSTALL BMS CONTROLS, CONTROL VALVES, AND CONTROL WIRING.

DESIGNATION

NOTES:

4. RR-A:

5. LD-A, LD-B:

									VENTILA	TION SC	HEDULE						
AIR HAND	DLING SYST	EM DATA			ROOM	DATA				OUTSIDE VEN	<b>FILATION AIRFLO</b>	W REQUIRED PI	ER THE	OUTSIDE VEN	ITILATION AIRFI	OW REQUIRED	PER THE NYSED 1998
AIR	DESIGN	DESIGN	ROOM	ROOM	FLOOR	NUMBER	DESIGN	DESIGN		2020 NEW YORK	STATE MECHANIC	AL CODE - SEC	TION 403	MANUA	L OF PLANNING	STANDARDS - S	SECTION S606-3-A
HANDLING	SUPPLY	OUTSIDE	NUMBER	NAME	AREA	OF	SUPPLY	MINIMUM	OUTSIDE	OUTSIDE	ZONE AIR	ROOM	ROOM DESIGN OUTSIDE	OUTSIDE	OUTSIDE	ROOM	ROOM DESIGN OUTSIDE
SYSTEM	AIRFLOW	VENTILATION				PEOPLE	AIRFLOW	OUTSIDE	VENTILATION	VENTILATION	DISTRIBUTION	OUTSIDE	VENTILATION AIRFLOW	VENTILATION	VENTILATION	OUTSIDE	VENTILATION AIRFLOW
DESIGNATION	(CFM)	AIRFLOW					(CFM)	VENTILATION	AIRFLOW	AIRFLOW PER	EFFECTIVENESS	VENTILATION	MEETS OR EXCEEDS	AIRFLOW	AIRFLOW PER	VENTILATION	MEETS OR EXCEEDS
		(CFM)						AIRFLOW	PER PERSON	SQUARE FOOT		AIRFLOW	CODE REQUIREMENT	PER PERSON	SQUARE FOOT	AIRFLOW	NYSED REQUIREMENT
								(CFM)	(CFM / PERSON)	(CFM / SF)		(CFM)	(YES/NO)	(CFM / PERSON)	(CFM / SF)	(CFM)	(YES/NO)
FCU-AH-1	200	15	221A	SECURITY OFFICE	51	1	200	15	5	0.06	0.8	10	YES	15	0.00	15	YES

						REGISTER GRILLE AND									
SIGNATION	SERVICE	ТҮРЕ	NOMINAL OVERALL DIMENSION (IN)	NECK SIZE (IN)	CFM RANGE	CONFIGURATION	BORDER TYPE	MATERIAL OF EQU CONSTRUCTION GRII	JALIZING D IN NECK	OPPOSED BLADE DAMPER IN NECK	FILTER RACK	FINISH COLOR	MANUFACTURER	MODEL	REMARKS
CD-A	SUPPLY	CEILING DIFFUSER	24x24	6"DIA 8"DIA 10"DIA 12"DIA	0-100 101-175 176-350 351-550	PLAQUE-STYLE, 4-WAY THROW	LAY-IN	STEEL	YES	NO	NO	WHITE	TITUS	OMNI	SEE NOTES BELOW
RR-A	RETURN	CEILING OR SIDEWALL REGISTER	24x12, 24x24, OR AS NOTED ON PLAN	24x12 W/ ADAPTER TO 6"DIA 24x12 W/ ADAPTER TO 8"DIA 24x12 W/ ADAPTER TO 10"DIA 24x12 W/ ADAPTER TO 12"DIA 24x12 24x12 24x24	0-100 101-175 176-350 351-550 551-1000 1001-2000	LOUVERED FACE, 1/2" BLADE SPACING, 35° FIXED DEFLECTION	LAY-IN OR SURFACE MOUNTED	STEEL	NO	ONLY IF REGISTER IS MOUNTED TO EXPOSED SPIRAL DUCT	NO	WHITE	TITUS	355RL	SEE NOTES BELOW
LD-A	SUPPLY	LINEAR DIFFUSER	(1) 2.5" WIDE SLOT, LENGTHS AS NOTED ON PLAN	6"DIA (CONNECTION TO FACTORY PLENUM) 8"DIA (CONNECTION TO FACTORY PLENUM) 10"DIA (CONNECTION TO FACTORY PLENUM) 12"DIA (CONNECTION TO FACTORY PLENUM)	0-100 101-175 176-350 351-600	CONTINUOUS SLOT LINEAR DIFFUSER WITH "JET-THROW" PATTERN CONTROLLER FOR DISCHARGE PERPENDICULAR TO MOUNTING SURFACE	LAY-IN BORDER, TITUS "TYPE 11" BORDER WITH 3/4" FLANGE, "UHC" UPPER HANGER CLIP	ALUMINUM	NO	NO	NO	WHITE FLANGES, BLACK PATTERN CONTROLLER & VISIBLE INTERNAL SURFACES, WHITE PLENUMS	TITUS	FL-JT-25	SEE NOTES BELOW

1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS.

2. ALL FINISH COLORS ARE SUBJECT TO APPROVAL BY THE ARCHITECT. SUBMIT COLOR CHART FOR REVIEW.

3. COORDINATE BORDER TYPES WITH ARCHITECTURAL CEILING SPECIFICATIONS.

4.1. PROVIDE FACTORY FURNISHED SQUARE-TO-ROUND ADAPTER FOR EACH REGISTER, MATTE BLACK FINISH FOR INTERNAL SURFACES.

5.1. ALL ACTIVE SUPPLY, EXHAUST, AND RETURN (DUCTED) SECTIONS SHALL BE PROVIDED WITH FACTORY FURNISHED ACOUSTICALLY LINED 2', 3',

OR 4' LONG "FPBI" PLENUMS WITHSIDE INLET CONNECTIONS.

5.2. ALL ACTIVE RETURN (CEILING PLENUM) SECTIONS SHALL BE PROVIDED WITH RETURN HOOD LIGHT SHIELDS, LENGTHS AS SHOWN ON PLANS.

5.3. INACTIVE PORTIONS WITHOUT PLENUMS OR LIGHT SHIELDS SHALL BE BLANKED OFF, MATTE BLACK FINISH FOR VISIBLE SURFACES. 5.4. PROVIDE "FMBC" MITERED CORNERS, FACTORY BLANKED, 6"x6".

5.5. PROVIDE FACTORY END CAPS.

## EASTCHESTER **UNION FREE** SCHOOL DISTRICT

2022 CAPITAL BOND PROJECT PHASE 2

#### ANNE HUTCHINSON ELEMENTARY SCHOOL

#### ARCHITECT $M \equiv M \land S I$

2 LYON PLACE WHITE PLAINS, NY 10601 914.915.9519 MEMASIDESIGN.COM

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SITE - CIVIL CONSULTANT THE LA GROUP 179 GRAHAM ROAD ITHACA, NY 14850

STRUCTURAL CONSULTANT REILLY TARANTINO ENGINEERING 1000 PARK BLVD., SUITE 209 MASSAPEQUA PARK, NY 11762

MEP CONSULTANT STANTEC 30 OAK STREET, SUITE 400 STAMFORD, CT 06905

SECURITY CONSULTANT BUILDING TECHNOLOGY CONSULTING 992 BEDFORD STREET BRIDGEWATER, MA 02324

HAZARDOUS MATERIALS CONSULTANT WSP

ONE PENN PLAZA 250 W 34TH ST., 4TH FLOOR NEW YORK, NY 10119

LIGHTING CONSULTANT GOLDSTICK LIGHTING DESIGN 629 FIFTH AVE, #204 PELHAM, NY 10803 914.693.0221





#### TYPICAL DUCT HANGING DETAIL N.T.S.



N.T.S.

#### STEAM COIL PIPING DETAIL N.T.S.



<u>NOTES:</u> 1. INCLUDE DRIP PAN AND LEAK DETECTOR FOR ALL CONCEALED HVAC UNITS WITH COOLING COILS (4-PIPE FAN COIL UNIT WITH HOT AND CHILLED WATER COILS, 2-PIPE FAN COIL UNIT WITH A DUAL-TEMPERATURE HOT/CHILLED WATER COIL, ETC.). 2. INCLUDE DRIP PAN AND LEAK DETECTOR FOR ALL CONCEALED HVAC UNITS WHICH ARE INTENDED FOR HEATING ONLY SERVICE, BUT WILL BE CONNECTED TO DUAL-TEMPERATURE HOT/CHILLED WATER PIPING (2-PIPE CABINET UNIT HEATERS WITH HOT WATER COIL, ETC.). THE DRIP PAN AND LEAK DETECTOR WILL BE UTILIZED AS A BACKUP TO BMS CONTROLS PROGRAMMED TO CLOSE THE CONTROL VALVE WHENEVER CHILLED WATER IS BEING CIRCULATED.

HVAC EQUIPMENT HANGING DETAIL

STEAM TRAP PIPING DETAIL N.T.S.





PIPE HANGING DETAIL N.T.S.

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	ELECTRICAL SYMBOL LIST
	(NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED ON THIS PROJECT)
SYMBOL	DESCRIPTION
Φ	20A, 125V DECORA STYLE DUPLEX RECEPTACLE – FLUSH WALL MOUNTED
₩	20A, 125V DECORA STYLE QUADRUPLEX RECEPTACLE – FLUSH WALL MOUNTED
Φ	20A, 125V DECORA STYLE GFCI TYPE DUPLEX RECEPTACLE - FLUSH WALL MOUNTED
WP	20A, 125V GFCI TYPE WEATHER RESISTANT DUPLEX RECEPTACLE IN WEATHER PROOF ENCLOSURE
$\square$	20A, 125V DECORA STYLE DUPLEX RECEPTACLE – CEILING MOUNTED
<b>P</b>	SPECIAL PURPOSE RECEPTACLE - FLUSH WALL MOUNTED
$\blacksquare \bigtriangledown \nabla \blacksquare$	DATA OUTLET WITH 1 1/4"E.C. UP TO CEILING. TURN 90° AND STUB AND BUSH 6" INTO ACCESSIBLE CEILING CEILING MOUNTED JUNCTION BOX WITH FINAL EQUIPMENT CONNECTION
Ŷ	FLUSH WALL MOUNTED JUNCTION BOX WITH FINAL EQUIPMENT CONNECTION
J	FLUSH FLOOR MOUNTED JUNCTION BOX WITH FINAL EQUIPMENT CONNECTION
	UNFUSED DISCONNECT SWITCH
$\square \frac{100A}{60A}$	FUSED DISCONNECT SWITCH – 100 AMP SWITCH, 60 AMP FUSE, UNFUSED (EXCEPT WHERE FUSE SIZE IS INDICATED) 3-POLE (EXCEPT WHERE NOTED)
X	COMBINATION MOTOR CONTROLLER AND DISCONNECT SWITCH FURNISHED BY MECHANICAL CONTRACTOR INSTALLED BY ELECTRICAL CONTRACTOR. COOR. LOCATION W/MECH. CONT.
CB <u>100A</u> 60A	CIRCUIT BREAKER 100A FRAME/60A TRIP, 3 POLE, U.O.N. ST – SHUNT TRIP
VFD	VARIABLE FREQUENCY DRIVE (VFD), FURNISHED BY MECHANICAL CONTRACTOR INSTALLED BY ELECTRICAL CONTRACTOR. COORD. LOCATION WITH MECH. CONTRACTOR
M	MOTOR
***	PULLBOX, SIZED PER NEC
Т	DRY TYPE 480–208V TRANSFORMER DELTA–WYE WITH GROUNDED SECONDARY SIDE, UON.
	FLUSH MOUNTED PANELBOARD
	SURFACE MOUNTED PANELBOARD
GND	GROUND BAR
	2#12+1#12G-3/4"C FOR ONE CKT. HOMERUN, U.O.N.
	4#12+1#12G-3/4"C FOR TWO CKT. HOMERUN, U.O.N.
	6#12+1#12G-3/4"C FOR THREE CKT. HOMERUN, U.O.N.
	3#12+1#12G-3/4"C HOMERUN, U.O.N.
	CONCEALED CONDUIT
•	CONDUIT TURNING UP
	CAPPED CONDUIT
	FLEXIBLE EQUIPMENT CONNECTION
Ţ	GROUND CONNECTION
\$ _T	MANUAL STARTER — TOGGLE TYPE WITH THERMAL ELEMENT — 250V HP RATED, FURNISHED BY ELEC CONTRACTOR
RP	SECURITY DEVICE REPEATER
	1

	ELECTRICAL AE	BREVIATI	<u>ONS</u>
	(NOT ALL SYMBOLS SHOWN ARE NEC	Essarily use	D ON THIS PROJECT)
Α	AMPERE	КСМ	THOUSAND CIRCULAR MILS
AC	ABOVE COUNTER	КV	KILOVOLT
AFF	ABOVE FINISHED FLOOR	KVA	KILOVOLT AMPERE
AHJ	AUTHORITY HAVING JURISDICTION	ĸw	KILOWATT
AIC	AMP INTERRUPTING CAPACITY	кwн	KILOWATT HOUR
ATS	AUTOMATIC TRANSFER SWITCH	LTG	LIGHTING
AUTO	AUTOMATIC	MAX	MAXIMUM
AWG	AMERICAN WIRE GAUGE	MCB	MAIN CIRCUIT BREAKER
BLDG	BUILDING	MCC	MOTOR CONTROL CENTER
С	CONDUIT	MIN	MINIMUM
СВ	CIRCUIT BREAKER	MTD	MOUNTED
CCTV	CLOSED CIRCUIT TELEVISION	N	NEUTRAL
СКТ	CIRCUIT	NIC	NOT IN CONTRACT
со	CARBON MONOXIDE	NTS	NOT TO SCALE
СОММ	COMMUNICATION	OC	ON CENTER
СТ	CURRENT TRANSFORMER	Р	POLE
CU	COPPER	ø or PH	PHASE
DEG	DEGREE	PNL	PANEL
DGP	DATA GATHERING PANEL	PWR	POWER
DISC	DISCONNECT	R	RELOCATED
DN	DOWN	RECEPT	RECEPTACLE
DWG	DRAWING	TEL	TELEPHONE
E/EX	EXISITNG TO REMAIN	TOS	TOP OF SHAFT
EC	ELECTRICAL CONTRACTOR	TV	TELEVISION
EM	EMERGENCY	TYP	TYPICAL
ER	EXISTING TO BE REMOVED	UON	UNLESS OTHERWISE NOTED
ERR	EXISTING TO BE REMOVED AND RELOCATED	V	VOLT OR VOLTAGE
FA	FIRE ALARM	VA	VOLT AMPERE
FACP	FIRE ALARM CONTROL PANEL	VIF	VERIFY IN FIELD
FL	FLOOR	W	WATT
FT	FEET OR FOOT	WP	WEATHERPROOF
GRD	GROUND	WT	WATERTIGHT
GFI	GROUND FAULT INTERRUPTER	XP	EXPLOSION PROOF
HID	HIGH INTENSITY DISCHARGE		
HP	HORSE POWER		
HZ	HERTZ		
JB	JUNCTION BOX		

	NEW YORK STATE CODES & STANDARDS										
<ul> <li>2020 BL</li> <li>2020 FIF</li> <li>2020 PL</li> <li>2020 ME</li> <li>2020 FL</li> <li>2020 FL</li> <li>2020 NY</li> <li>NYS EDL</li> </ul>	JILDING CODE OF NEW YORK STATE RE CODE OF NEW YORK STATE .UMBING CODE OF NEW YORK STATE ECHANICAL CODE OF NEW YORK STATE JEL GAS CODE OF NEW YORK STATE 'S UNIFORM CODE SUPPLEMENT JCATION DEPARTMENT 1998 MANUAL OF PLANNING STANDARDS										
	NEW YORK STATE ENERGY CODES										
• 2020 EN • 2016 AS	IERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE HRAE 90.1										
	REFERENCED STANDARDS										
APPLICABLE RE LIST BELOW IS STANDARDS.	FERENCE STANDARDS SHALL BE AS REFERENCED BY ALL STATE CODES. THE FOR QUICK REFERENCE AND DOES NOT INCLUDE ALL APPLICABLE REFERENCE										
<ul> <li>2016 N</li> <li>2016 N</li> <li>2016 N</li> <li>2017 N</li> <li>2016 N</li> </ul>	IPFA 13 — STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS IFPA 14 — STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS IFPA 20 — STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION IFPA 70 — NATIONAL ELECTRICAL CODE IFPA 72 — NATIONAL FIRE ALARM AND SIGNALING CODE										
	ELECTRICAL DRAWING LIST										
Sheet Number	Sheet Title										
AH E001	COVER SHEET										
AH E002	ELECTRICAL GENERAL NOTES										
AH E101	FIRST FLOOR VESTIBULE ELECTRICAL PARTIAL PLANS										
AH E201	SITE LIGHTING PLAN										
AH E301	GROUND FLOOR SECURITY DEVICE POWER PLAN										
AH E302	FIRST FLOOR SECURITY DEVICE POWER PLAN										
AH E601	ELECTRICAL PANEL SCHEDULES										

\$	SINGLE POLE LINE VOLTAGE SWITCH
\$ ^K	KEY ACTIVATED LINE VOLTAGE SWITCH
व्व	DUAL TECHNOLOGY OCCUPANCY SENSOR, WALL MTD.
(VS)	DUAL TECHNOLOGY VACANCY SENSOR, CEILING MTD.
ws _M	LOW VOLTAGE LIGHTING CONTROL MASTER LIGHTING CONTROL WALL STATION
WS K,OR	LOW VOLTAGE LIGHTING CONTROL LOCAL LIGHTING CONTROL WALL STATION ("OR" DENOTES VACANCY SENSOR OVERRIDE, "K" DENOTES KEY SWITCH)
60	EXTERIOR LIGHTING PHOTOCELL
	FIRE ALARM SYMBOL LIST
	(NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED ON THIS PROJECT)
SYMBOL	DESCRIPTION
$\langle S \rangle$	CEILING MOUNTED ADDRESSABLE SMOKE DETECTOR
$\bigcirc$	
	DUCT SMOKE DETECTOR

MOUNTED (WITH ADJUSTABLE CANDELA RATING)

FIRE ALARM REMOTE ANNUNCIATOR PANEL

FIRE ALARM PULL STATION

FIRE ALARM RELAY

LIGHTING CONTROL SYMBOL LIST

(NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED ON THIS PROJECT)

DESCRIPTION

SYMBOL

F

F

R

RAN

		ELEC
	Sheet Number	Sheet Title
	AH E001	COVER SHE
	AH E002	ELECTRICA
	AH E101	FIRST FLOO
	AH E201	SITE LIGHTI
	AH E301	GROUND FL
	AH E302	FIRST FLOO
	AH E601	ELECTRICA
H WALL		

			LIGHTING FIXTURE SCHEDU	JLE		
TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	WATTAGE / CCT / LUMENS / CRI	VOLTS	NOTES
AH1	2X4 FLAT PANEL	METALUX	24FP4735C	41 / 3500K / 4591 / 80	UNV	EL14W EM PACK WHERE INDICATED
AH2	3' ROUND SURFACE	FOCAL POINT	FSDEP 3 FL 7000DN SG 35K 1C UNV LD1 SM WH	63 / 3500K / 7000 / 80	UNV	INVERTER DSPM CMIC-200-120/120
EM1	EMERGENCY LIGHT	LITHONIA	ELM4L	3W	UNV	MOUNT AT 8' AFF
X1	LED EDGE-LIT EXIT SIGN	LITHONIA	LRP 1/2 RC/RMR 120/277 EL N	2W	UNV	SHIP WITH ALL MOUNTING OPTIONS DIRECTIONAL INDICATORS
						PER PLANS
						SHIP WITH ALL MOUNTING OPTIONS
X2	EXIT SIGN	LITHONIA	LQM S W 3 R 120/277 EL N M6	1W	UNV	DIRECTIONAL INDICATORS
			ELA LQMUS12			PER PLANS

NORMAL PANEL PANEL PANEL PANEL	Z1       ZONE       #1       – EXTERIOR SITE         Z2       ZONE       #2       – EXTERIOR BUILDING         Z3       ZONE       #3       – MAIN ENTRANCE VESTIBULE         Z4       ZONE       #4       – STAIRWELLS         Z5       ZONE       #5       – CORRIDOR         Z6       ZONE       #6       – SECURITY OFFICE
3	(TYP.) ②(TYP.) wsbwsbwsb

#### KEY NOTES:

(1) REFER TO POWER PLAN FOR LIGHTING CONTROL PANELS/LOCATIONS.

- (2) COORDINATE EXACT LOCATION OF ALL SWITCHES WITH OWNER/ARCHITECT IN FIELD. REFER TO ELECTRICAL LIGHTING PLAN DRAWINGS FOR QUANTITY
- $\overline{3}$  LOW VOLTAGE WIRING TYPE AS PER MANUFACTURER.

#### TYPICAL LIGHTING RELAY CONTROL PANEL, U.O.N N.T.S.



#### FIRE ALARM GENERAL NOTES:

- 1. PROVIDE ALL EQUIPMENT, PROGRAMMING & WIRING REQUIRED FOR A COMPLETE CODE COMPLIANT SYSTEM.
- 2. PROVIDE ALL FILING, PERMIT & FIRE DEPARTMENT INSPECTION FEES.
- 3. ALL NOTIFICATION AND SIGNAL LINE CIRCUITS SHALL BE CLASS B WIRING WITHOUT T-TAPPING OF CIRCUITS.
- 4. COORDINATE WITH THE LOCAL AUTHORITY HAVING JURISDICTION FOR THE EXACT SEQUENCE OF OPERATIONS. 5. SMOKE DETECTORS SHALL BE A MINIMUM OF 3 FEET FROM ALL SUPPLY DIFFUSERS.
- 6. ALL FIRE ALARM WIRING SHALL BE INSTALLED IN CONDUIT WHEN RUN EXPOSED IN MECHANICAL ROOMS. PROVIDE CONDUIT CONCEALED IN WALLS UP TO ACCESSIBLE CEILING WITH INSULATING BUSHING FOR ALL WALL MOUNTED FIRE ALARM DEVICES.
- 7. ALL FIRE ALARM EQUIPMENT SHALL BE APPROVED BY LOCAL AHJ PRIOR TO ORDERING. 8. FIRE ALARM RISER IS A DIAGRAMMATIC REPRESENTATION OF THE SYSTEM. REFER TO FLOOR PLANS FOR DEVICE QUANTITY AND LOCATIONS.
- 9. ALL FIRE ALARM CABLING SHALL BE PLENUM RATED AND MEET PATHWAY SURVIVABILITY LEVEL 2.
- 10. ALL FIRE ALARM ANNUNCIATING DEVICES SHALL BE "RED".

11. PROVIDE A CONTROL MODULE AND RELAY FOR ALL FIRE SMOKE DAMPERS. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION AND QUANTITIES. PROVIDE DUCT SMOKE DETECTORS TO ACTIVATE FIRE SMOKE DAMPERS AS REQUIRED. 12. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS THAT INCLUDE MANUFACTURER'S CUT SHEETS WITH EQUIPMENT MODEL NUMBERS, BATTERY CALCULATIONS, CONDUCTOR TYPE AND SIZES, AND VOLTAGE DROP CALCULATIONS.

13. REMOVE EXISTING FIRE ALARM DEVICES IN SCOPE OF WORK AREA WHERE NEW DEVICES ARE INDICATED. 14. ALL NEW FIRE ALARM DEVICES SHALL BE TIED INTO EXISTING ADDRESSABLE FIRE ALARM LOOPS. PROVIDE ADDITIONAL ADDRESSABLE CARDS/AMPLIFIER/POWER SUPPLY/WIRING AND CONDUIT AS REQUIRED.

EXTERIOR	LIGHTING	SCHEDULE
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Symbol	Qty	Label	Arrangement	Description
B	1	P-G2-T4FT	Single	GLEON-SA2C-730-U-T4FT
	→ 3 G1-T3		Single	GWC-SA1C-730-U-T3 Wall
	3	G2-T4FT	Single	GWC-SA2C-730-U-T4FT Wall
	1	P-G2-T3-HSS	Single	GLEON-SA2C-730-U-T3-HSS

S RAN_{ER} F_{ER} SECURE VESTIBULE

LLF Luminaire Luminaire Total BUG Rating Mounting Lumens Watts Watts Height 0.912 13258 B2-U0-G3 15 113 11.3 177 B1-U0-G2 6881 .912 59 0.912 13523 113 339 B2-U0-G3 24 0.912 9603 113 113 B1-U0-G2 15

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SEAL





- C. ALL JUNCTION OR OUTLET BOXES SHALL BE INSTALLED SO AS TO ALLOW ACCESS TO COVER. PROVIDE ARCHITECT APPROVED ACCESS DOORS OR PLATES AS REQUIRED IN AREAS WHERE UNOBSTRUCTED ACCESS TO BOX OR OUTLET IS NOT POSSIBLE.
- D. PRIOR TO ORDERING LIGHTING FIXTURES, COORDINATE WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. IF DISCREPANCIES EXIST BETWEEN ARCHITECTURAL AND ENGINEERING INFORMATION OBTAIN CLARIFICATION PRIOR TO
- E. CIRCUIT NUMBERS ARE INDICATED FOR INTENT ONLY. THE ELECTRICAL CONTRACTOR SHALL ADJUST ACCORDINGLY IN THE FIELD TO BALANCE THE CIRCUITS EVENLY ON ALL PHASES.
- MULTIPLE SWITCHES SHOWN IN SAME LOCATION SHALL BE GANGED TOGETHER WITH A COMMON FACEPLATE.
- G. ALL LIGHTING FIXTURES CONTROLLED BY DIMMER SWITCHES SHALL BE PROVIDED WITH DEDICATED NEUTRAL CONDUCTOR.
- H. ALL LIGHT FIXTURES DESIGNATED WITH "EM" SHALL BE PROVIDED WITH EMERGENCY BATTERY PACK CAPABLE OF FULL LIGHT OUTPUT FOR MINIMUM 90 MINUTES.
- EXTERIOR LIGHTING SHALL BE CONTROLLED BY PHOTOCELLS AND TIMECLOCKS WITH A MANUAL OVERRIDE SWITCHES LOCATED IN ELECTRICAL ROOMS.

PROCFFDING.

#### ELECTRICAL DEMOLITION NOTES

#### 1.1. SEE ARCHITECTURAL DEMOLITION DRAWINGS FOR NUMBER OF LIGHTING FIXTURES AND DEVICES TO BE REMOVED AND OR RFI OCATED. 1.2. SEE HVAC DRAWINGS FOR HVAC EQUIPMENT TO BE REMOVED. REMOVE ALL ASSOCIATED CONDUIT, WIRE, SWITCHES, BOXES ASSOCIATED WITH EQUIPMENT TO BE REMOVED. 1.3. SEE PLUMBING DRAWINGS FOR PLUMBING EQUIPMENT TO BE REMOVED. 1.4. FOR EQUIPMENT TO BE REMOVED DISCONNECT POWER AND REMOVED CONDUIT/WIRING BACK TO PANEL. 1.5. REMOVE ALL DRYWALL MOUNTED DUPLEX RECEPTACLES AND ASSOCIATED CIRCUITING. WHERE OUTLETS ARE REMOVED AND THROUGH CIRCUITING SERVE OTHER OUTLETS BEYOND THE DEMOLITION AREA, RESTORE OR MAINTAIN THROUGH CIRCUITING CONTRACTOR SHALL PROVIDE LABOR AND MATERIALS AS REQUIRED TO BUNDLE, NEATEN, AND CLEAN UP EXISTING LOOSE 1.6. CABLING INCLUDING BUT NOT LIMITED TO LOW VOLTAGE CABLING, FIRE ALARM CABLING, MC CABLING, ETC. WHERE CEILINGS ARE EXPOSED, CONTRACTOR SHALL REINSTALL ALL EXISTING CABLING IN EMT CONDUIT AS CLOSE TO UNDERSIDE OF STRUCTURE AS POSSIBLE. 1.7. REMOVE ALL CLIPS AND HANGERS FROM CEILING SLAB AND REPAIR IF REQUIRED. 2. EXISTING CONDUIT 2.1. THIS CONTRACTOR SHALL REMOVE ALL WALL CONDUITS, BOXES, CEILING CONDUITS LEFT AFTER WALL DEMOLITION. REMOVE ALL WIRING BACK TO EXISTING PANELS. 3. EXISTING ELECTRICAL PANELS 3.1. CONTRACTOR SHALL USE CARE IN DISCONNECTING WIRING FROM PANELS AND CIRCUIT BREAKERS. CAREFULLY STORE ALL PANEL COVERS AS CONTRACTOR WILL BE RESPONSIBLE FOR COMPLETE USABLE PANEL INSTALLATION. 4. EXISTING LIGHTING FIXTURES

- 4.1. REMOVE AND/OR RELOCATE LIGHTING FIXTURES AND DETERMINED IF BALLAST CONTAIN PCB. AS DIRECTED TURN OVER TO OWNER ALL FIXTURES OR DISPOSE OF THEM IN AN APPROVED MANNER. IF FIXTURES CONTAIN BALLASTS WITH PCB REMOVE BALLASTS FROM FIXTURES AND DISPOSE OF IN AN APPROVED MANNER.
- 4.2. CONTRACTOR SHALL PULL OUT ALL WIRING AND REMOVE ALL CONDUIT. FOR OVERHEAD LIGHTING CIRCUITS RUN IN CELLULAR DECK REMOVE WIRING AND PROPERLY BLANK OFF OUTLET BOXES.
- 4.3. REMOVE ALL ASSOCIATED CONDUIT, WIRE, SWITCHES, BOXES ASSOCIATED WITH EQUIPMENT TO BE REMOVED.
- 4.4. DISCONNECT POWER AND REMOVE CONDUIT/WIRING BACK TO PANEL FOR EQUIPMENT TO BE REMOVED.

#### 5. EXISTING FIRE ALARM

1. GENERAL

- 5.1. NO EXISTING SMOKE DETECTOR, PUBLIC ADDRESS SPEAKER, FIRE ALARM BOX OR SIMILAR SERVICES INCLUDING THE ASSOCIATED WIRING SHALL BE DAMAGED DURING DEMOLITION AND SUBSEQUENT CONSTRUCTION.
- 5.2. NO ACTIVE SMOKE DETECTOR SHALL BE COVERED OR OTHERWISE RENDERED INEFFECTIVE FOR ITS INTENDED PURPOSE. 5.3. ALL ACTIVE SMOKE DETECTION, PUBLIC ADDRESS AND FIRE ALARM SYSTEM SHALL BE MAINTAINED BY THE CONTRACTOR DURING CONSTRUCTION. ANY DAMAGES TO THESE SYSTEMS AS A RESULT OF CONSTRUCTION, SHALL BE REPAIRED BY THE CONTRACTOR IMMEDIATELY. REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE OWNER AND CONSTRUCTION MANAGER.
- 5.4. DURING DEMOLITION WORK CONTRACTOR IS TO PROTECT FIRE ALARM DEVICES AGAINST DUST AND OTHER PARTICLES. 6. TEMPORARY LIGHTING AND POWER
- 6.1. FURNISH AND INSTALL WIRING FOR ADEQUATE LIGHT AND SMALL POWER TOOLS FOR THE PROJECT.
- 6.2. MAINTAIN THE SYSTEM IN GOOD AND ADEQUATE WORKING CONDITIONS AT ALL TIMES.
- 6.3. FURNISH AND INSTALL ALL LAMPS, BREAKERS, AND FUSING, AS IS NECESSARY.
- 6.4. REPLACE BURNED OUT LAMPS, DEFECTIVE BREAKERS, OR BLOWN FUSES.

COORDINATE WITH MECHANICAL CONTRACTOR IN FIELD.

- 6.5. TEMPORARY MAINTENANCE FOR THE ABOVE SHALL BE BASED ON OPERATION 1/2 HOUR BEFORE START OF FIRST TRADE THROUGH 1/2 HOUR AFTER END OF LAST TRADE NORMAL WORK DAY.
- 6.6. TEMPORARY LIGHT AND POWER SHALL BE INSTALLED IN ACCORDANCE WITH CODES AND AUTHORITIES HAVING JURISDICTION.

#### ELECTRICAL POWER NOTES

- A. CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL DRAWINGS AND ARCHITECT IN FIELD FOR EXACT LOCATION, QUANTITY AND ELEVATION OF POWER AND TELEPHONE/DATA OUTLETS PRIOR TO INSTALLATION.
- B. RECEPTACLES SHALL BE CIRCUITED IN ACCORDANCE WITH CIRCUIT NUMBER INDICATED ADJACENT TO EACH DEVICE. CIRCUITRY MAY BE SHOWN IN CERTAIN INSTANCES.
- CIRCUIT NUMBERS ARE INDICATED FOR INTENT ONLY. THE ELECTRICAL CONTRACTOR SHALL ADJUST ACCORDINGLY IN THE FIELD, TO BALANCE THE CIRCUITS EVENLY ON ALL PHASES.
- D. EXACT LOCATIONS FOR ALL MECHANICAL EQUIPMENT SHALL BE DETERMINED FROM THE MECHANICAL DRAWINGS.
- WHERE APPLICABLE, RUN 1" EMPTY CONDUIT TO NEAREST ACCESSIBLE HUNG CEILING WITH GROMMET END FITTINGS FOR TELEPHONE/DATA & PROVIDE DRAG LINES FOR PULLING CABLE.
- . COORDINATE THE HARDWARE REQUIREMENTS FOR THE DOORS WITH THE ARCHITECT & SECURITY CONSULTANT PRIOR TO INSTALLATION (I.E. ELECTRIC HINGES, CARD READERS, ELECTRIC STRIKES, MAGNETIC SWITCHES, POWER SUPPLIES, ETC.) PROVIDE A BACKBOX WITH 1" CONDUIT WITH DRAG LINES STUBBED UP ABOVE CEILING FOR ALL LOW VOLTAGE DEVICES SUCH AS CARD READERS, MAGNETIC LOCKS, ELECTRIC LOCKSET, ELECTRIC STRIKE, ETC.
- G. ALL BRANCH CIRCUIT HOME RUNS SHALL BE 2#12 & 1#12 GND IN 3/4" CONDUIT OR MC CABLE IN LOCATIONS PERMITTED PER PROJECT SPECIFICATIONS TO PANEL & CIRCUIT INDICATED. MAXIMUM OF THREE HOME RUNS PER CONDUIT
- . MULTIWIRE BRANCH CIRCUITS SUPPLYING POWER TO FURNITURE PARTITIONS SHALL BE PROVIDED WITH MEANS TO DISCONNECT POWER SIMULTANEOUSLY.
- ELECTRICAL CONTRACTOR SHALL PROVIDE A BACKBOX AND 1" EMPTY CONDUIT WITH DRAG LINE FOR ALL IN-WALL WIRED KEYPADS AND TOUCHSCREENS.
- . ELECTRICAL CONTRACTOR SHALL REFER TO MECHANICAL DRAWINGS, PLUMBING DRAWINGS, AND COORDINATE WITH MECHANICAL CONTRACTOR AND PLUMBING CONTRACTOR FOR EXACT LOCATION OF MECHANICAL AND PLUMBING EQUIPMENT. PROVIDE DISCONNECT SWITCHES AND CIRCUITING SIZED PER THEIR EQUIPMENT SCHEDULES. HEAT TRACE CIRCUITS SHALL BE PROTECTED BY 30mA GROUND FAULT TYPE CIRCUIT BREAKERS, PROVIDE (3) FIRE ALARM MONITOR MODULES FOR EACH HEAT TRACE CONTROLLER SERVING SPRINKLER PIPES. PROVIDE (4) MONITOR MODULES FOR EACH DRY PIPE COMPRESSOR.
- K. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH AUDIO/VISUAL, TELECOM, AND SECURITY DRAWINGS AND CONTRACTORS FOR ANY ADDITIONAL BACKBOX, CONDUIT, AND POWER REQUIREMENTS.
- ELECTRICAL CONTRACTOR SHALL FIELD COORDINATE THE VOLTAGE, PHASE, AND HORSEPOWER OF ALL ELECTRICAL EQUIPMENT PURCHASED AND SUPPLIED TO THE SITE. ELECTRICAL CONTRACTOR SHALL SUPPLY FUSES OR CIRCUIT BREAKERS PER MANUFACTURER'S RECOMMENDATIONS WHERE NECESSARY.
- M. ELECTRICAL CONTRACTOR SHALL PROVIDE A COMPLETE TYPEWRITTEN PANEL SCHEDULE DIRECTORY IN ANY PANEL UNDERGOING WORK AT PROJECT COMPLETION OF ALL CIRCUITS UTILIZED, IDENTIFYING THE LOADS THAT THEY ARE SERVING.
- N. ALL JUNCTION BOXES AND DISCONNECT SWITCH LOCATIONS SHALL BE COORDINATED IN THE FIELD. JUNCTION BOXES AND DISCONNECT SWITCHES FOR MECHANICAL EQUIPMENT ABOVE CEILINGS SHALL BE INSTALLED SO THAT THEY ARE ACCESSIBLE FROM ACCESS PANELS. COORDINATE WITH MECHANICAL CONTRACTOR.
- . ELECTRICAL CONTRACTOR SHALL INSTALL ALL STARTERS, AND VARIABLE FREQUENCY DRIVES (FURNISHED BY MECHANICAL CONTRACTOR) AND PROVIDE CONDUIT AND WIRING TO AND FROM STARTERS AND VFDs TO MECHANICAL EQUIPMENT AND/OR ITS ASSOCIATED DISCONNECT SWITCHES. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATIONS AND REQUIREMENTS.



ELECTRICAL - IT/AV/SECURITY COORDINATION NOTES

ELECTRICAL CONTRACTOR SHALL REFER TO IT/AV/SECURITY DRAWINGS AND COORDINATE WITH IT/AV/SECURITY CONSULTANT/VENDOR AND ARCHITECT/INTERIOR DESIGNER TO PRVIDE THE FOLLOWING: 1.1. SERVICE ENTRANCE CONDUITS AND CONDUIT BETWEEN MDF AND IDF ROOMS - TYPE, SIZE, QUANTITY, SPACING AND

#### 1.4. ELECTRICAL DEVICES - PUG TYPE, SIZE, HEIGHT, LOCATION AND FACEPLATE

2. PROVIDE ALL CIRCUITS REQUIRED FOR HEAD END EQUIPMENT. COORDINATE EXACT RECEPTACLE TYPES WITH EQUIPMENT TO BE

## EASTCHESTER **UNION FREE** SCHOOL DISTRICT

2022 CAPITAL BOND PROJECT PHASE 2

#### ANNE HUTCHINSON ELEMENTARY SCHOOL

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STRUCTURAL CONSULTANT **REILLY TARANTINO ENGINEERING** 1000 PARK BLVD., SUITE 209 MASSAPEQUA PARK, NY 11762

MEP CONSULTANT STANTEC 30 OAK STREET, SUITE 400 STAMFORD, CT 06905

SECURITY CONSULTANT BUILDING TECHNOLOGY CONSULTING 992 BEDFORD STREET BRIDGEWATER, MA 02324

HAZARDOUS MATERIALS CONSULTANT

ONE PENN PLAZA 250 W 34TH ST., 4TH FLOOR NEW YORK, NY 10119

WSP

LIGHTING CONSULTANT GOLDSTICK LIGHTING DESIGN 629 FIFTH AVE, #204 PELHAM, NY 10803 914.693.0221

SEAL







EQUIPMENT BACK TO SOURCE. WHERE WIRING SERVES EXISTING ELECTRICAL EQUIPMENT TO REMAIN CUT BACK AND REMOVE EXISTING WIRING TO



3. PROVIDE A 1 1/4"E.C. FROM I.T. DATA OUTLETS UP TO CEILING. TURN 90" AND STUB AND BUSH 6" INTO ACCESSIBLE.

- 4. CIRCUIT EMERGENCY LIGHTS AND EXIT SIGNS TO NEAREST LIGHTING CIRCUIT
- AHEAD OF SWITCHING. 5. LOCATE REMOTE EMERGENCY DRIVERS AND LIGHTING INVERTERS AT
- MECHANICAL ROOM ABOVE. 6. PROVIDE AN UN-SWITCHED HOT LEG FOR EMERGENCY LIGHTING FIXTURES WITH INTEGRAL EMERGENCY BATTERY PACKS.

LE.	
STING AREA	
SHOWN WITH	"
ONLY AND SH	ΗA

- OFFICE. NEW LIGHTING CONTROL PANEL AND MASTER LIGHTING CONTROL STATION SHALL CONTROL THE EXISTING ZONES CONTROLLED BY THE EXISTING REMOVED KEY SWITCHES IN THE ENTRY VESTIBULE.
- 4. TOILET ROOMS AUTO ON/OFF VIA OCCUPANCY SENSOR.
- 5. EXTERIOR BUILDING-MOUNTED FIXTURES: DUSK TO DAWN CONTROL. MOTION SENSORS WHERE SPECIFIED.
- 6. POST-TOP PARKING LOT FIXTURES: DUSK TO DAWN CONTROL.

- 3 LIGHTING FIXTURE CIRCUIT WIRING SHALL WIRE THROUGH LIGHTING CONTROL PANEL LOCATED AT MECHANICAL ROOM ABOVE.

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SEAL	
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BID SET ISSUE	01/03/2023 DATE
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SED PROJECT NO.	66-03-01-03-0-001-02
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ELECTRICAL POWER PLAN NOTES:

 REFER TO SECURITY DRAWINGS FOR SCOPE PERTAINING TO SECURITY DEVICES, EQUIPMENT, ASSOCIATED WIRING AND RACEWAYS, AND NECESSARY POWER REQUIREMENTS. ALLOW FOR SURFACE MOUNTED RACEWAYS FOR ALL SECURITY AND POWER WIRING.

2. FURNISH AND INSTALL A 20A CEILING MOUNTED DUPLEX RECEPTACLE ADJACENT TO EACH SECURITY REPEATER WHERE LOCATED OUTSIDE OF I.T. CLOSET.

3. FURNISH AND INSTALL A 20A WALL MOUNTED DUPLEX RECEPTACLE FOR EACH SECURITY REPEATER LOCATED WITHIN THE I.T. CLOSET.

4. FURNISH AND INSTALL A 20A WALL MOUNTED DUPLEX RECEPTACLE FOR EACH ACCESS CONTROL PANEL WITHIN THE I.T. CLOSET.

5. ALL POWER AND SECURITY WIRING SHALL BE RAN IN SURFACE MOUNTED RACEWAYS

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## FIRST FLOOR SECURITY DEVICE POWER PLAN

 REFER TO SECURITY DRAWINGS FOR SCOPE PERTAINING TO SECURITY DEVICES, EQUIPMENT, ASSOCIATED WIRING AND RACEWAYS, AND NECESSARY POWER REQUIREMENTS. ALLOW FOR SURFACE MOUNTED RACEWAYS FOR ALL SECURITY AND POWER WIRING.

- 2. FURNISH AND INSTALL A 20A CEILING MOUNTED DUPLEX RECEPTACLE ADJACENT TO EACH SECURITY REPEATER WHERE LOCATED OUTSIDE OF I.T. CLOSET.
- 3. FURNISH AND INSTALL A 20A WALL MOUNTED DUPLEX RECEPTACLE FOR EACH SECURITY REPEATER LOCATED WITHIN THE I.T. CLOSET.
- 4. FURNISH AND INSTALL A 20A WALL MOUNTED DUPLEX RECEPTACLE FOR EACH ACCESS CONTROL PANEL WITHIN THE I.T. CLOSET.
- 5. ALL POWER AND SECURITY WIRING SHALL BE RAN IN SURFACE MOUNTED RACEWAYS

DM	CLASSROOM 203	OFFICE 213	CLASSROOM [205]	CLASSROOM 207	CLASSROOM 209	BR [211]
				ER (TYP)		
М	CLASSROOM 204	BR 212	CLASSROOM 206	CLASSROOM 208	CLASSROOM 210	

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![](_page_23_Figure_24.jpeg)

ELECTRICAL POWER PLAN NOTES:

PANE	PANEL DESIGNATION : PRL-1A									
	VOLTA	LTAGE 208Y/120 V NEUT				100	%	QUANTITY OF POLES	54	7
	PHA	IASE 3Ø SCC RATING (S				22 K.A	.I.C.	MAIN CIRCUIT BREAKER	100 A	
	W	WIRE <b>4 W + G</b>						MAIN BUS	225 A	
								1		
				NEM	1A 1 EI	NCLOSU	RE X	GROUND BU	3 X	_
	FEED									
	RE	EMARKS :								
										_
CKT	TRIP		CRIPTION	ØA	ØB	ØC		LOAD DESCRIPTION	TRIF	CKT
#	TTNI			(VA)	(VA)	(VA)				#
1	20A	EXISTING		0						2
3	20A	EXISTING			0			EXISTING	20A	4
5	20A	EXISTING				0				6
7	20A	EXISTING		0						8
9	20A	EXISTING			0			EXISTING	20A	10
11	20A	EXISTING				0				12
13	20A	EXISTING		0						14
15					0			EXISTING	20A	16
17	20A	EXIS	TING			0				18
19				0						20
21	20A	EXIS	TING		0			EXISTING	20A	22
23						0				24
25				0						26
27	20A	EXIS	TING		0			EXISTING	20A	28
29						0				30
31	20A	FCU-AH-1		0				SPAR	E 20A	32
33	20A	FCU-AH-2			0			SPAR	E 20A	34
35	20A	MOTORIZED FIRE SHUT	TER (SECURITY OFFICE)			0		SPAR	E 20A	36
37	20A	AUDITORIUM RECEPTA	CLES	0				SPAR	E 20A	38
39	20A	SECURITY OFFICE REC	EPTACLES		0			SPAR	E 20A	40
41	20A	SECURITY OFFICE REC	EPTACLES			0		SPAR	E 20A	42
43	20A	SECURITY OFFICE REC	EPTACLES	0				SPAR	E 20A	44
45	20A	SPARE			0			SPAR	E 20A	46
47	20A	SPARE				0		SPAR	E 20A	48
49	20A	SPARE		0				SPAR	E 20A	50
51	20A	SPARE			0			SPAR	E 20A	52
53	20A	SPARE				0		SPAR	E 20A	54

PAN	EL DESI	IGNATIC	ON : AH B6						
	VOLTA	GE	208Y/120 V	NEUTRAL	10	)0%	QUANTITY OF POLES	12	7
	PHA	PHASE 3Ø SCC RATING (S			22 K	.A.I.C.	.C. MAIN CIRCUIT BREAKER		
	W	/IRE	4 W + G				MAIN BUS	100 A	
EXISTING PANEL       X       NEMA 1 ENCLOSURE       X       GROUND BUS       X         FEED THROUGH LUGS       Image: Comparison of the state									
CKT #	TRIP		LOAD DES	CRIPTION ØA (VA)	ØB ØC (VA) (VA)		LOAD DESCRIPTION	TRIP	CKT #
CKT #	TRIP	EXIST	LOAD DES	CRIPTION ØA (VA)	ØB ØC (VA) (VA)		LOAD DESCRIPTION EXISTING LO	TRIP	CKT #
CKT # 1 3	TRIP           20A           20A	EXIST	LOAD DES ING LOAD ING LOAD	CRIPTION ØA (VA) 0	ØB ØC (VA) (VA)		LOAD DESCRIPTION EXISTING LO	DAD 20A DAD 20A	CKT # 2 4
CKT # 1 3 5	TRIP 20A 20A 20A	EXIST EXIST SECU	LOAD DES ING LOAD ING LOAD IRITY REPEATER	CRIPTION ØA (VA) 0	ØB ØC (VA) (VA) 0 0		LOAD DESCRIPTION EXISTING LO EXISTING LO EXISTING LO	DAD 20A DAD 20A DAD 20A DAD 20A	CKT # 2 4 6
CKT # 1 3 5 7	TRIP 20A 20A 20A 20A	EXIST EXIST SECU EXIST	LOAD DES ING LOAD ING LOAD IRITY REPEATER ING LOAD	CRIPTION ØA (VA) 0 0 0	ØB ØC (VA) (VA) 0 0		LOAD DESCRIPTION EXISTING LO EXISTING LO EXISTING LO EXISTING LO	DAD 20A DAD 20A DAD 20A DAD 20A DAD 20A	CKT # 2 4 6 8
CKT # 1 3 5 7 9	TRIP       20A       20A       20A       20A       20A       20A       20A       20A	EXIST EXIST SECU EXIST EXIST	LOAD DES ING LOAD ING LOAD IRITY REPEATER ING LOAD	CRIPTION ØA (VA) 0 0 0	ØB         ØC           (VA)         (VA)           0         0           0         0           0         0           0         0		LOAD DESCRIPTION EXISTING LO EXISTING LO EXISTING LO EXISTING LO	DAD 20A DAD 20A DAD 20A DAD 20A DAD 20A DAD 20A	CKT # 2 4 6 8 10

										-			
PAI	NEL DES	SIGNATION : CP-3							]		PANE	EL DE	SIGN
	VOLT	OLTAGE 208Y/120 V NEUT			TRAL 100% QUANTITY OF POLES 42		42				VOLT	AGE	
	PH	HASE 30 SCC RATING (S			22 K.	A.I.C.	MAIN CIRCUIT BREAKER	225 A				PH	ASE
	V	VIRE 4W+G	-	L			MAIN BUS	225 A				V	VIRE
			]						1				
			NEN	1A 1 E	NCLOS		GROUND BU	s x	-				EXIS
	FEEL								]			FEEL	л пі
	R	EMARKS :										R	EMA
СКТ #	TRIP	LOAD DES	SCRIPTION ØA (VA)	ØB (VA)	ØC (VA)		LOAD DESCRIPTION	TRIP	CKT #		CKT #	TRIP	
				1	1								
1	20A	EXISTING LOAD	0		-			-	2	-	1	20A	
3	20A			0			EXISTING LOA	D 20A	4	-	3	20A	
5	20A			<u> </u>	0				6	-	5	20A	E
/	20A		0				EXISTING LOA	D 20A	8	-	/	20A	
9	20A			0			EXISTING LOA	D 20A	10	-	9	20A	
11	20A	EXISTING LOAD		<u> </u>	0		EXISTING LOA	D 20A	12	-	11	20A	
13	20A	EXISTING LOAD	0		<u> </u>		EXISTING LOA	D 20A	14	-	13	20A	
15	20A			0			EXISTING LOA	D 20A	16	-	15	20A	
1/	20A				0		EXISTING LOA	D 20A	18	-	17	20A	
19	20A		0				EXISTING LOA	D 20A	20	-	19	20A	
21	20A			0			EXISTING LOA	D 20A	22	-	21	20A	
23	20A			<u> </u>	0		EXISTING LOA	D 20A	24	-	23	20A	
25	204		0				EXISTING LOA	D 20A	26	-	25	20A	
27	20A			0			EXISTING LOA	D 20A	28	-	27	20A	
29	20A				0		EXISTING LOA	D 20A	30	-	29	20A	
31	20A		0						32	-	22	20A	5
33	20A			0			EXISTING LOA	D 20A	34	-	<u>ა</u> კ	20A	5
35	20A						EXISTING LOA	D 20A	36		30	∠UA	5
37	20A		0					D 20A	38				
39	20A			0	-		SECURITY PANEL AC	20A	40				
41	20A	EXISTING LOAD			0		EXISTING LOA	D 20A	42				

EL DESIGNATION : AH 2									
VOLTA	TAGE 208Y/120 V NEUT		RAL	AL 100%		0%	QUANTITY OF POLES		7
PHA	IASE 30 SCC RATING (S		YM)	M) 22 K.A.I.C.		A.I.C.	MAIN CIRCUIT BREAKER 7		1
W	WIRE 4W+G						MAIN BUS	100 A	-
ſ									
FEED				NEMA 1 ENCLOSURE X			GROUND BUS		-
RE	MARKS : REPLAC	CE INTERIORS AND COVER	R. MA	TCH CI	RCUIT	BREAKER R	ATINGS WITH EXISTING TO REMAIN	CIRCUIT	S
		1							
TRIP	LOAD DES	SCRIPTION	ØA	ØB	ØC		LOAD DESCRIPTION	TRI	
			(VA)	(VA)	(VA)				#
20A	EXISTING LOAD		0				EXISTING LOAD		2
20A	EXISTING LOAD			0			EXISTING LOAD		4
20A	EXISTING LOAD				0	EXISTING LOAD		D 20A	6
20A	REPEATER CORR/AUDITORIUM		0				SPA	<b>RE</b> 20A	8
20A	REPEATER CORR/GYM			0		SPARE		<b>RE</b> 20A	10
20A	REPEATER CLASSROC	OM CORR			0		SPAR	<b>RE</b> 20A	12
20A	EXISTING LOAD		0			EXISTING LOAD		D 20A	14
20A	EXISTING LOAD			0			EXISTING LOA	D 20A	16
20A	EXISTING LOAD				0		EXISTING LOA	D 20A	18
20A	EXISTING LOAD		0				EXISTING LOA	D 20A	20
20A	EXISTING LOAD			0		EXISTING LOAD		D 20A	22
20A	EXISTING LOAD				0	EXISTING LOAD 20		D 20A	24
20A	EXISTING LOAD		0				EXISTING LOA	D 20A	26
20A	EXISTING LOAD			0			EXISTING LOA	D 20A	. 28
20A	SECURITY PANEL ACP				0		SPAR	<b>RE</b> 20A	. 30
20A	SPARE		0				SPAR	<b>RE</b> 20A	. 32
20A	SPARE			0			SPAR	<b>RE</b> 20A	. 34
20A	A SPARE				0		SPAR	<b>RE</b> 20A	36

## EASTCHESTER UNION FREE SCHOOL DISTRICT

2022 CAPITAL BOND PROJECT PHASE 2

#### ANNE HUTCHINSON ELEMENTARY SCHOOL

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SEAL

![](_page_24_Figure_18.jpeg)

ABBREVIATIONS				
ę	CENTER LINE			
ACS	ACCESS CONTROL SYSTEM			
AFF	ABOVE FINISHED FLOOR			
AIC	AMPERES INTERRUPTING CAPACITY			
AF/AS	AMPERE RATING OF FUSE/SWITCH			
AT/AF	AMPERE RATING OF CIRCUIT, BREAKER TRIP/FRAME			
A/V	AUDIO/VISUAL			
BMS	BUILDING MANAGEMENT SYSTEM			
СКТ	CIRCUIT			
CR	CARD READER			
DC	DOOR CONTACT			
DPDT	DOUBLE POLE DOUBLE THROW			
DPST	DOUBLE POLE SINGLE THROW			
EC	ELECTRICAL CONTRACTOR			
ECC	ENGINEER'S CONTROL CENTER			
EL	ELECTRIC LOCK			
ELEV	ELEVATOR			
EMT	ELECTRICAL METALLIC TUBING			
ES	ELECTRIC STRIKE			
FCC	FIRE CONTROL CENTER			
GC	GENERAL CONTRACTOR			
GFI	GROUND FAULT INTERRUPTER			
GND	GROUND			
IG	ISOLATED GROUND			
MCP	MOTOR CIRCUIT PROTECTOR			
MIC	MINERAL INSULATED CABLE			
MS	MAIN SWITCHBOARD			
NC	NORMALLY CLOSED			
NO	NORMALLY OPEN			
NTS	NOT TO SCALE			
OPP	OPPOSITE			
PVC	POLYVINYL CHLORIDE CONDUIT			
RAC	RIGID ALUMINUM CONDUIT			
RSC	RIGID STEEL CONDUIT			
RTE	REQUEST-TO-EXIT DEVICE			
SCC	SECURITY CONTROL CENTER			
SDF	SECURITY DISTRIBUTION FRAME			
SPDT	SINGLE POLE DOUBLE THROW			
SPST	SINGLE POLE SINGLE THROW			
TBD	TO BE DETERMINED			
TC	TELECOMMUNICATIONS CONTRACTOR			
TEL	TELECOM			
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION			
TYP	TYPICAL			
UON	UNLESS OTHERWISE NOTED			
UPS	UNINTERRUPTIBLE POWER SUPPLY			
WP	WEATHERPROOF			
WT	WATERTIGHT			
XP	EXPLOSION PROOF			

## SECURITY LEGEND AND ABBREVIATIONS

EL	ECTRONIC SAFETY & SECURITY DEVICE LEGEND
CR	CARD READER
CRL	CARD READER LOCK
DC	DOOR CONTACT
DR	DOOR RELEASE BUTTON
KP	INTRUSION SYSTEM KEYPAD
	INTERCOM STATION
V IC	VIDEO INTERCOM STATION
MIC	INTERCOM MASTER STATION
Ĥ	SPEAKER HORN
)H(	DUAL SPEAKER HORNS
(MS)	INFRARED MOTION SENSOR
EL	ELECTRIC LOCK
RE	REQUEST-TO-EXIT DEVICE
PAG	PAGING SYSTEM
Ĺ	LOCKDOWN INDICATOR LIGHT/STROBE
S	CEILING SPEAKER
0	CLOCK/SPEAKER
SP	WALL SPEAKER
(SP) EXT	EXTERIOR WALL SPEAKER
PB	PANIC BUTTON
LD	LOCKDOWN BUTTON
CB	CALL BUTTON
GB	AUDIBLE GLASS BREAK DETECTOR
(WKSTN)	SECURITY SYSTEM WORKSTATION
	SECURITY CAMERA
<b>□</b> ¤4K	4K SECURITY CAMERA
₩Þ	WIDE-ANGLE SECURITY CAMERA
□□180	180° SECURITY CAMERA
EXTERIOR SECURITY CAMERA	
GW	SHELTER SYSTEM GATEWAY (BY OTHERS) (1) CATEGORY 6 CABLE ( BY CONTRACTOR)
RP	SHELTER SYSTEM REPEATER (BY OTHERS)
ACS	ACCESS CONTROL SYSTEM PANEL
IDS	INTRUSION DETECTION SYSTEM PANEL
XX-YYY	SECURITY CAMERA NUMBER

	CONDUIT CONCEALED ABOVE CEILING OR WITHIN WALL
	CONDUIT BELOW GRADE OR EMBEDDED WITHIN SLAB
0	CONDUIT UP
•	CONDUIT DOWN
	CONDUIT STUBBED OUT WITH BUSHING NOTE: PROVIDE PULLSTRING IN EACH EMPTY RACEWAY
E	CONDUIT STUBBED OUT AND CAPPED NOTE: PROVIDE PULLSTRING IN EACH EMPTY RACEWAY
CT	CABLE TRAY
S	SECURITY SYSTEM RACEWAY NOTE: PROVIDE PULLSTRING IN EACH EMPTY RACEWAY

EQUIPMENT DESIGNATIONS
ING DEVICE TO REMAIN
ING DEVICE TO BE REMOVED
ING DEVICE TO BE REMOVED AND RELOCATED
LOCATION OF EXISTING RELOCATED DEVICE
ING DEVICE TO BE REPLACED
DEVICE
DEMOLITION NOTES
OLITION WORK SHALL BE DONE BY THE ELECTRICAL CONTRACTOR WISE INDICATED. COORDINATE ALL WORK CONCERNING EXISTING O SERVICES REMAINING IN THE BUILDING.
IG OUTLETS ARE NOT TO BE REUSED, THEY SHALL BE REMOVED AND JLLED BACK TO ITS SOURCE AS REQUIRED BY JOB CONDITIONS. ( COVER PLATES FOR ALL REMOVED OUTLETS.
SED OR ACCESSIBLE CABLING TO EQUIPMENT OR OUTLETS TO BE ELOCATED, UNLESS OTHERWISE INDICATED.
TED TO BE REMOVED SHALL BE REMOVED BACK TO ITS SOURCE. UNDISTURBED CEILINGS SHALL REMAIN AND BE LABELED ABANDONED
E FOR VERIFYING THE INTEGRITY AND CONDITION OF THE EXISTING IS TO BE REUSED. CABLING FOUND TO BE NON-FUNCTIONAL SHALL BE
ORK CONCERNING EXISTING EQUIPMENT AND SERVICES IN THE RDINATE REQUIRED INTERRUPTIONS AND PERFORM AT TIME O OWNER. INCLUDE COSTS FOR REQUIRED PREMIUM TIME.
EQUIRED OUTSIDE OF THE PROJECT AREA OF RENOVATION. HALL NOT ASSUME THAT AREA OF RENOVATION IS CONSIDERED WORK AREA. ALL SECURITY SYSTEMS SHALL STAY LIVE AT ALL NATE THE REMOVAL, TEMPORARY INSTALLATION OF DEVICES AND THE PERMANENT INSTALLATION OF CABLING DEVICES WITH THE RACTOR.
HALL VISIT THE SITE AND IDENTIFY EXISTING CONDITIONS AND HAT MAY AFFECT WORK OF THIS SECTION. RENOVATION WORK EFUL SITE EXAMINATION BEFORE BIDDING. NO COMPENSATION ED FOR ADDITIONAL WORK CAUSED BY UNFAMILIARITY WITH SITE AT ARE VISIBLE OR READILY CONSTRUED BY EXPERIENCED
ENCING WORK OF THIS SECTION, EXAMINE THE SITE AND CONDITIONS VORK WILL BE PERFORMED. DETERMINE EXACT LOCATIONS OF B. REPORT TO ENGINEER ANY CONDITIONS THAT MIGHT ADVERSELY COMMENCEMENT OF WORK WILL BE CONSTRUED AS COMPLETE F EXISTING CONDITIONS AND PREPARATORY WORK.
IDENTIFY ALL WIRING BEFORE DEMOLITION.
DOOR WIRING NOTES
RE TO BE INSTALLED EXPOSED. ALL CABLES ARE TO BE CONCEALED LL CONDUIT ARE TO BE FINISHED AND TERMINATED IN JUNCTION R DEVICE BOXES, U.O.N.
N BOXES ARE TO BE PLACED ON SECURE SIDE OF DOORS.
NTRACTOR TO PROVIDE ALL CABLING AND COORDINATION WITH CONTRACTOR FOR PROPER CONDUIT INSTALLATION.
DETAILS ARE DIAGRAMMATIC ONLY. EXACT LOCATION OF /ICES MAY DIFFER.

(E)	EXISTING DEVICE TO REMAIN
(X)	EXISTING DEVICE TO BE REMOVED
(XL)	EXISTING DEVICE TO BE REMOVED AND RELOCATED
(NL)	NEW LOCATION OF EXISTING RELOCATED DEVICE
(XR)	EXISTING DEVICE TO BE REPLACED
(N)	NEW DEVICE

- SECURITY DEMOL UNLESS OTHERW EQUIPMENT AND
- WHERE EXISTING THE CABLING PUL PROVIDE BLANK
- REMOVE EXPOSE REMOVED OR REL
- 4. CABLING INDICAT CONDUIT OVER ON EACH END.
- 5. BE RESPONSIBLE CABLING WHICH I REPLACED.
- 6. COORDINATE WO BUILDING. COORI CONVENIENT TO
- WORK MAY BE RE CONTRACTOR SH THE SCOPE OF W TIMES. COORDIN/ CABLING ALONG GENERAL CONTI
- 8. CONTRACTOR SH DIFFICULTIES THA REQUIRES CAREF WILL BE GRANTE CONDITIONS THAT OBSERVERS.
- PRIOR TO COMMEI UNDER WHICH W EXISTING ITEMS. AFFECT WORK. ACCEPTANCE OF
- 10. TONE, TAG AND IE

- 1. NO CABLES ARE IN CONDUIT. ALL BOXES AND/OR
- 2. ALL JUNCTION E 3. SECURITY CON
- ELECTRICAL CC 4. DOOR WIRING D
- SECURITY DEVI
- COORDINATE ALL SECURITY DEVICES WITH HARDWARE.

#### LEGEND NOTE

THIS SHEET IS A GENERAL LIST OF SYMBOLS AND ABBREVIATIONS AND SHALL BE USED AS A DICTIONARY TO DEFINE ITEMS INDICATED ON DRAWINGS. NOT ALL SYMBOLS OR ABBREVIATIONS ARE NECESSARILY USED ON THIS PROJECT.

#### GENERAL NOTE

ALL WORK ON THE TY DRAWINGS (SECURITY) IS BY THE PRIME ELECTRICAL CONTRACTOR. ANY REFERENCES TO "SECURITY VENDOR" ARE FOR THE ELECTRICAL CONTRACTOR'S SECURITY SUBCONTRACTOR.

#### SECURITY NOTES

- 1. THE DRAWINGS AND SPECIFICATIONS INDICATE THE INTENT OF THE DESIGN AND SHALL BE CONSIDERED AS DIAGRAMMATIC ONLY. EXACT LOCATIONS FOR SECURITY DEVICES AND EQUIPMENT SHALL BE DETERMINED AT THE SITE BY THE SECURITY VENDOR. AS WORK PROGRESSES, DIMENSIONS AND CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE SITE.
- 2. REFER TO SECURITY SPECIFICATIONS 28 01 00.
- 3. USE ONLY PRODUCTS LISTED FOR THEIR INTENDED USE BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL), EXCEPT THOSE TYPES OF PRODUCTS FOR WHICH NO RELEVANT STANDARDS EXIST.
- 4. PROVIDE FIRE STOPPING FOR ALL SLEEVE, CONDUIT AND CABLE TRAY PENETRATIONS THROUGH RATED PARTITIONS OR FLOORS IN ACCORDANCE WITH THE CODE AND SPECIFICATIONS.
- 5. WALL MOUNTED DEVICES SHALL BE WIRED VIA 1" RIGID METAL CONDUIT WITHIN WALL TO THE NEAREST ACCESSIBLE CEILING UNLESS OTHERWISE SPECIFIED.
- 6. ALL CONDUITS, BACK BOXES AND PLASTER RINGS WILL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. SECURITY CONTRACTOR SHALL COORDINATE AND VERIFY THE DEVICE LOCATIONS BY REFERRING TO THE ARCHITECTURAL DRAWINGS AND DETAILS.
- 7. ELECTRICAL AND MECHANICAL DEVICES SHOWN ON THESE DRAWINGS ARE FOR REFERENCE PURPOSES ONLY UNLESS OTHERWISE SPECIFIED. SEE MEP DRAWINGS FOR DETAILS AND LOCATION OF ALL SUCH EQUIPMENT.
- 8. GROUND ALL EQUIPMENT RACKS, FRAMES, CABLE TRAYS, CABLE LADDERS AND OTHER PERMANENT SUPPORTS WITH #6 AWG (MIN), STRANDED, GREEN, INSULATED, COPPER WIRE AND MECHANICAL COMPRESSION LUGS.
- 9. LABEL ALL CLOSETS, RACKS, CABINETS, CABLES, CABLE SUPPORTS, ETC. IN ACCORDANCE WITH ANSI/TIA/EIA-606-A.
- 10. SECURITY DEVICES SHALL BE U.L. LISTED. CABLES FOR DEVICES SHALL BE WIRED TO THE SAME CLOSET THAT SERVES THE REST OF THE FLOOR.
- 11. MOUNTING HEIGHTS SHALL BE AS INDICATED ON ARCHITECTURAL DRAWINGS. 12. DEVICES THAT ARE INDICATED AS EXISTING AT DOORS SHALL REMAIN. CABLING TO BE REUSED AT THE DEVICES. ALL CABLING TO BE TONED, TAGGED, IDENTIFIED AND LABELED AT BOTH ENDS. EXISTING CABLING SHALL BE WIRED INTO NEW ACS OR IDS
- PANELS. 13. ALL SHELTER LOCK COMPONENTS WILL BE PURCHASED BY GENERAL CONTRACTOR. THE GENERAL CONTRACTOR WILL INSTALL ALL LOCKSETS. THE GENERAL CONTRACTOR WILL TURN THE REPEATERS OVER TO THE ELECTRICAL CONTRACTOR WHO WILL INSTALL THE WIRE AND THE REPEATERS.
- 14. ALL SECURITY (ACCESS CONTROL, VIDEO SURVEILLANCE AND INTRUSION DETECTION) AND SHELTER SYSTEM WIRING WILL BE ROUGHED ABOVE ACOUSTIC CEILING GRID. IN AREAS WHERE THERE IS EXISTING ASBESTOS CEILING PLASTER, THE CONTRACTOR WILL MOUNT NEW SECURITY AND SHELTER SYSTEM WIRING IN NEW WIREMOLD JUST BELOW THE PLASTER CEILING. DEVICES AND CAMERAS IN THESE ASBESTOS LOCATIONS WILL BE WALL MOUNTED WITH 10 LINEAR FEET OF SLACK COILED FOR RELOCATION ABOVE THE CEILING IN A FUTURE PHASE.

#### DRAWING LIST

AH TY001	LEGEND AND ABBREVIATIONS
AH TY101	GROUND FLOOR PLAN
AH TY102	FIRST FLOOR PLAN
AH TY201	ENLARGED PLANS
AH TY301	RISER DIAGRAMS
AH TY401	DETAILS

EASTCHESTER UNION FREE
SCHOOL DISTRICT
2022 CAPITAL BOND PROJECT PHASE 2
ANNE HUTCHINSON ELEMENTARY SCHOOL
ARCHITECT M E M A S I 2 LYON PLACE WHITE PLAINS, NY 10601 914.915.9519 MEMASIDESIGN.COM
SITE - CIVIL CONSULTANT THE LA GROUP 179 GRAHAM ROAD ITHACA, NY 14850
STRUCTURAL CONSULTANT REILLY TARANTINO ENGINEERING 1000 PARK BLVD., SUITE 209 MASSAPEQUA PARK, NY 11762
MEP CONSULTANT STANTEC 30 OAK STREET, SUITE 400 STAMFORD, CT 06905
SECURITY CONSULTANT BUILDING TECHNOLOGY CONSULTING 992 BEDFORD STREET BRIDGEWATER, MA 02324
HAZARDOUS MATERIALS CONSULTANT WSP ONE PENN PLAZA 250 W 34TH ST., 4TH FLOOR NEW YORK, NY 10119
LIGHTING CONSULTANT GOLDSTICK LIGHTING DESIGN 629 FIFTH AVE, #204 PELHAM, NY 10803 914.693.0221
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	LOCATE REPEATER IN CEILING. COORDINATE I ELECTRICAL CONTRACTOR.
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STRUC REILI 1000 PA MASSA	TURAL CONSULTANT <b>_Y TARANTINO ENGINEERING</b> ARK BLVD., SUITE 209 PEQUA PARK, NY 11762
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2022 CAPITAL BOND PROJECT PHASE 2
ANNE HUTCHINSON ELEMENTARY SCHOOL
ARCHITECT M E M A S I 2 LYON PLACE WHITE PLAINS, NY 10601 914.915.9519 MEMASIDESIGN.COM
SITE - CIVIL CONSULTANT THE LA GROUP 179 GRAHAM ROAD ITHACA, NY 14850
STRUCTURAL CONSULTANT REILLY TARANTINO ENGINEERING 1000 PARK BLVD., SUITE 209 MASSAPEQUA PARK, NY 11762
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HAZARDOUS MATERIALS CONSULTANT WSP ONE PENN PLAZA 250 W 34TH ST., 4TH FLOOR NEW YORK, NY 10119
LIGHTING CONSULTANT GOLDSTICK LIGHTING DESIGN 629 FIFTH AVE, #204 PELHAM, NY 10803 914.693.0221

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SECURITY RISER DIAGRAM

![](_page_29_Figure_10.jpeg)

![](_page_29_Picture_11.jpeg)

EASTCHESTER         UNION FREE         SCHOOL DISTRICT         O22 CAPITAL BOND PROJECT         PHASE 2         ANNE HUTCHINSON         LEMENTARY SCHOOL
2 LYON PLACE WHITE PLAINS, NY 10601 914.915.9519 MEMASIDESIGN.COM
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EASTCHESTER UNION FREE SCHOOL DISTRICT
2022 CAPITAL BOND PROJECT PHASE 2
ANNE HUTCHINSON ELEMENTARY SCHOOL
ARCHITECT M E M A S I 2 LYON PLACE WHITE PLAINS, NY 10601 914.915.9519 MEMASIDESIGN.COM
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