CITY SCHOOL DISTRICT OF NEW ROCHELLE COLUMBUS ELEMENTARY SCHOOL 2023 CAPITAL PROJECTS - PHASE 2A 275 WASHINGTON AVE. NEW ROCHELLE, NY 10801

ISSUED FOR BID: 03/14/2025



CSARCH - ARCHITECTS GREENMAN - PEDERSEN, INC. - MEP & STRUCTURAL ENGINEER PASSERO ASSOCIATES - CIVIL ENGINEER

STATE EDUCATION DEPARTMENT PROJECT CONTROL NUMBER: 2023 CAPITAL PROJECTS - PHASE 2A 66-11-00-01-0-005-014 THE DESIGN OF THIS PROJECT CONFORMS TO APPLICABLE PROVISIONS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, AND THE MANUAL OF PLANNING STANDARDS OF THE NEW YORK STATE EDUCATION DEPARTMENT.

CSArch PROJECT NO. 188-2301.02



DRAWING LIST - VOLUME 4

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GENER	AL DRAWINGS
G001	SYMBOLS, ABBREVIATIONS, AND MISC
G100	OVERALL GROUND FLOOR PLAN
G110	OVERALL FIRST FLOOR PLAN
	•
LIFE SA	
LS100	GROUND FLOOR LIFE SAFETY DRAWINGS
LS101	FIRST FLOOR LIFE SAFETY DRAWINGS
LS102	LIFE SAFETY DIAGRAM
	RAWINGS
C120	EXISTING CONDITIONS & DEMOLITION
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ARCHIT	
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месна	NICAL GENERAL
M001	MECHANICAL LEGENDS. DETAILS AND SCHEDULES
МЕСНА	NICAL DEMOLITION
MD101	MECHANICAL REMOVALS PLAN
	•
MECHA	NICAL DRAWINGS
M101	MECHANICAL NEW WORK PLAN
ELECT	
E001	ELECTRICAL LEGEND AND ABBREVIATIONS
E002	
ELECIE	
ED101	FIRST FLOOR ELECTRICAL REMOVALS PLAN
	RICAL DRAWINGS
E101	FIRST FLOOR LIGHTING AND SYSTEMS PLAN
E102	FIRST FLOOR POWER AND TELECOM PLAN

- COLUMBUS ELEMENTARY SCHOOL 275 WASHINGTON AVENUE NEW ROCHELLE, NY 10801





<u>ABBREV</u>	IATIONS	ARCHIT	<u>ECTURAL LEGEND</u>	PLAN GRAPHICS LEG
	N DESCRIPTION	MATERIAL I	NDICATIONS	
ADA	AMERICANS WITH DISABILITIES ACT		EARTH	
ADD ADMIN	ADDENDUM ADMINISTRATIVE		GRANULAR FILL	
AFF ALT	ABOVE FINISHED FLOOR ALTERNATE		GRANDLAR FILL	NEW METAL 5
APPROX ARCH	APPROXIMATE ARCHITECT / ARCHITECTURAL		BRICK	
AV			CONCRETE MASONRY UNIT	
BLDG BOT OR B/	BUILDING BOTTOM OF		CONCRETE	
BSMT	BASEMENT		GROUT	
CJ CL	CONTROL / CONSTRUCTION JOINT CENTERLINE		ROUGH WOOD BLOCKING	
CLG CLR	CEILING CLEAR		SHIM	FINISHED DOOR OPENINGS SHAL INDICATED BELOW UNO. DIMENSI
CMU COL	CONCRETE MASONRY UNIT COLUMN			DIMENSIONS FROM INSIDE OF FR
CONC CONF	CONCRETE CONFERENCE	<u> </u>		.6"
CONTR	CONTRACTOR		PLYWOOD	
COORD CORR	COORDINATE CORRIDOR		SHEATHING	
DEMO			RIGID INSULATION	
	DETAIL DIAMETER DOMN		BATT INSULATION	GENERAL NOTES
DNG	DRAWING		SPRAY FOAM INSULATION	1. DIMENSIONS ARE GIVEN THUS OTHERWISE)
ED	EDUCATION		EPS INSULATION	A. TO FACE OF MASONRY B. TO FACE OF METAL ST
	ELECTRIC / ELECTRICAL		STEEL	D. TO FINISH FACE OF SOF
EPDM FR				
EQUIP EXST	EQUIPMENT	DIMENSIONIN	<u>IG CONVENTIONS</u>	2. DO NOT SCALE DRAWINGS. IF SHOWN, BRING IT TO THE ATT
EJ	EXPANSION JOINT	+	FACE OF STUD OR CMU	WITH THE ASSOCIATED WORK
FIN	FINISH			3. WALLS ON COLUMN LINES ARI
FIN FL FIXT	FINISH FLOOR FIXTURE	• •	COLUMN CENTER LINE	4. ALL DIMENSIONS RELATED TO
FLR FRT	FLOOR FIRE-RETARDENT-TREATED MATERIAL	1 1		ARCHITECT OF ANY DISCREF
FTG	FOOTING	<u>SYMBOLS</u>		
G GA	GROUND GAUGE	CLASSROOM -	- ROOM NAME	CLEARANCES ARE SHOWN AS
GAL GALV	GALLON(S) GALVANIZE(D)	100		LAYOUTS OF PARTITIONS, UTIL
GC GNB	GENERAL CONTRACTOR GYPSUM WALL BOARD			DIMENSIONS.
GNBS	GYPSUM WALL BOARD SOFFIT	(<u>A100</u>)	DOOR NUMBER, REFER TO A400 DRAMINGS	6. ALL ELEVATIONS (X'-X") ARE 1 FLOOR ELEVATION
HM HORIZ	HOLLOW METAL HORIZONTAL	$\langle 1 \rangle$	WINDOW TAG, REFER TO A900 DRAWINGS	
HR HT	HOUR HEIGHT	< <u>BL11</u> >	BORROWED LIGHT NUMBER, REFER TO A900 DRAWINGS	PRESSURE TREATED
HTG HVAC	HEATING HEATING/VENTILATING/AIR CONDITIONING	51	STOREFRONT / CURTAINWALL	8. ALL FLOOR PENETRATIONS S
D	INSIDE DIMENSION	$\left(\begin{array}{c}1\end{array}\right)$	NUMBER, REFER TO A900 DRAWINGS COLUMN GRID DESIGNATION	FOR SMOKE / FIRE DAMPER
IN INT	INCH INTERIOR	$\langle 1 \rangle$	PARTITION TAG, REFER TO A 700 DRAWINGS	9. FOR INTERIOR PARTITION TYP
JAN	JANITOR	M 1	- HOUR RATING OF PARTITION	10. FOR DOOR SCHEDULE, REFE
JC JST	JANITOR'S CLOSET JOIST	\wedge	- ADDITIONAL NOTES FOR PARTITION	1 1. FOR FINISH SCHEDULE, REFER
TL	JOINT	1	REVISION NUMBER	12. ALL EXPOSED SURFACES OF
LAB LB	LABORATORY POUND		KEY NOTE, NEW WORK	SOFFITS ARE TO BE FINISHED
LIN LVL	LINEAR LEVEL	(1)	KEY NOTE, DEMOLITION WORK	13. PROVIDE PATCH TO MATCH I WALL REMOVAL AREAS, COC
MAN	MANUAL	+0'-0"	ELEVATION TAG	DEMOLITION DRAWINGS AND
MAS MAX	MASONRY MAXIMUM	\sim		14. ALL CONSTRUCTION SHOWN I OTHERWISE
MDF MECH	MEDIUM DENSITY FIBERBOARD MECHANICAL		HANDICAPPED ACCESSIBLE ELEMENT OR FIXTURE	
MEZZ MFR	MEZZANINE MANUFACTURER	GNU		
MID MIN	MIDDLE MINIMUM		INTERIOR FINISH TAG.	
MISC MO	MISCELLANEOUS MASONRY OPENING	MALL FINISH BASE FINISH	REFER TO AF 100 DRAWINGS	
MTL	METAL	FLOOR FINISH		
NA NIC	NOT APPLICABLE NOT IN CONTRACT	<u>DETAIL I</u>	NDICATOR LEGEND	
NTS	NOMINAL NOT TO SCALE			
00	ON CENTER			
OH OPT	OVERHEAD	<u>SECTION IND</u>	ICATOR SECTION NUMBER	٢
OVR OZ	OVERALL			
PERIM	PERIMETER	DRAWING SHEE SECTION IS DR	ET NUMBER	
PLAM PLBG	PLASTIC LAMINATE		DIRECTION OF VI	
PLAS PLYND	PLASTER PLASTER			
PNL	PANEL	<u>DETAIL INDIC</u>	ATOR (SECTION) SECTION NUMBER	۲
POLYISO PPT	POLYISOCYANURATE PRESSURE PRESERVATIVE TREATED		A100	
PR	PAIR PREPARATORY	DRAWING SHEE SECTION IS DR	AWN ON	FΜ
PTN PVC	PARTITION POLYVINYL CHLORIDE			
RAD	RADIUS	ENI ARGED DI		
REQD	REQUIRED ROOM			
RND RO	ROUND ROUGH OPENING	DRAWING ARE		
SCH	SCHEDULED	REQUIRING DETAIL	A100	
SECT	SECTION SQUARE FEET			NUMBER
SIM SPEC	SIMILAR SPECIFICATION		DETAIL IS DRAW	NON
5Q 55	SQUARE STAINLESS STEEL			
STC STD	SOUND TRANSMISSION CLASS STANDARD	DETAIL TITLE		
STL STOR	STEEL STORAGE	DET AIL NUMBE	DETAIL TYPE / N	AME
STRUCT SUSP	STRUCTURAL / STRUCTURE SUSPENDED		FLOOR PLAN	_
SAC	SUSPENDED ACOUSTICAL CEILING		A100 ^{1/8" = 1'-0"}	
T≰B T≰G	TOP AND BOTTOM TONGUE AND GROOVE	DRAWING SHEE	T NUMBER SCALE	
TECH TEMP	TECHNOLOGY TEMPORARY			
TMPD TOM	TEMPERED TOP OF MASONRY	EXTERIOR ELE	VATION INDICATOR	
TOS TYP	TOP OF STEEL TYPICAL	DIRECTION OF		BER
UL	UNDERWRITERS LABORATORY			
UNO	UNLESS NOTED OTHERWISE	DRAWING SHEE	A100	
VERT VEST	VERTICAL VESTIBULE	NUMBER DETA DRAWN ON	LIS	
VIF	VERIFY IN FIELD			
		INTERIOR ELE	VATION INDICATOR	
W/ W/O		-		I
M/ M/O MD MPT	WOOD WOOD PRESERVED-TREATED MATERIAL	BLANK ARRON ELEVATIONS N		JMBER
W/ W/O MD WPT WGT	WOOD WOOD PRESERVED-TREATED MATERIAL WEIGHT	BLANK ARR <i>OP</i> ELEVATIONS N	OT DETAILED A600 A ELEVATION NU	JMBER
W/ M/O MD WPT MGT YD	WOOD WOOD PRESERVED-TREATED MATERIAL WEIGHT YARD	BLANK ARRON ELEVATIONS N DRAWING SHEE DETAIL IS DRA	A600 A ELEVATION NU	JMBER





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NOTES DNAL GENERAL NOTES. FOR LIFE SAFETY PLANS AND FOR DIMENSIONS, DETAILS, AND N. FOR DIMENTIONS, DETAILS, AND ON. FOR DIMENTIONS, DETAILS, AND ON. FOR DIMENTIONS, DETAILS, AND ON. FOR DIMENTIONS, DETAILS, AND ON TYPES AND ADDITIONAL WINGS ADDITIONAL DIMENTIONS CEILING SCOPE. FOR DOOR, STOREFRONT, NO NOTES. FOR FINISH SCHEDULES, PLANS,	19 Front St. · Newburgh · New York 12550-7601 845 · 561 · 3179 www.csarchpc.com
	Consultant
	CITY SCHOOL DISTRICT OF NEW ROCHELLE COLUMBUS ELEMENTARY SCHOOL 2023 CAPITAL PROJECTS - PHASE 2A
	Project Title
	Expiration Date: 02/28/2025
PLAN	Drawn By: RC Checked By: MZ Proj. #: 66-11-00-01-0-005-014 CSArch Proj. #: 188-2301.02 Issued for Bid: 03/14/2025
A	OVERALL FIRST FLOOR PLAN
HT © ALL RIGHTS RESERVED	Sheet No. CES G110 CONSTRUCTION DOCUMENTS



						Image: Constraint of the second area of	Y PLA EXIT DW (SECON EXIT STANCE ST, CCUPANTS 3ER OF OC IT WIDTH FC IT * 0.2) IT WIDTH FC IT * 0.3) TRAVEL (S L MOUNTEL SHADING, A ARROW RE LING MOUNT SHADING, A ARROW RE
						DE DRINKING FOUNT, ESE EMERGENCY EYE FE FIRE EXTINGUISHE ES FIRE EXTINGUISHE SMOKE SEP SMOKE SEP CORRIDO PARTITIO MECHANI ADJACEN FIRE SEPAF 1 HOUR 1 HOUR 2 HOUR	AIN EWASH STA ER, WALL M ER CABINE ARARIER CARARIER OR, ENCLOS ONS - NO CO ICAL AIR BE NT SPACES RATED FIR RATED FIR RATED FIR
						CODE NARRATIVE: ORIGINAL CONSTRUCTION CONSTRUCTION TYPE: GROUND FLOOR AREA: FIRST FLOOR AREA: ADDITION CONSTRUCTIO CONSTRUCTION TYPE: GROUND FLOOR AREA: FIRST FLOOR AREA: FIRST FLOOR AREA: CLASSIFICATION OF MOR LEVEL XXX SI OCCUU ACCESSORY STORAGE / ASSEMBLY W/ FIXED SE/ ASSEMBLY W/OUT FIXED CONCENTRATED	N: 1968 IIB 31,11 48,43 N: 1999 IIB 9,650 10,37 <u>K:</u> L 2 ALTER/ F PANT AREA, MECH ATS SEATS
SCIENCE LAB 25A 949 SF 19 OCCS						UNCONCENTRATED BUISNESS AREAS CLASSROOM AREAS VOCATIONAL ROOM ARE LOCKER ROOMS EXERCISE ROOMS KITCHENS, COMMERCIAL READING ROOMS STAGES AND PLATFORM STAGES AND PLATFORM STAGES AND PLATFORM RISK CATAGORY: III DEAD LOADS: CONCRETE SLAB LIVE LOADS: SLAB	EAS TURAL
						INCLOADS: 15-MINUTE RAINFALL INT 60-MINUTE RAINFALL INT SNOM LOADS: GROUND SNOW LOAD FLAT ROOF SNOW LOAD SLOPED ROOF SNOW LOAD WIND LOADS: ULTIMATE WIND SPEED EXPOSURE CATEGORY SEISMIC DESIGN DATA: SITE CLASS SEISMIC DESIGN CATEGO FIRE AREA MODIF	ENSITY ENSITY AD DRY
						A aALLOWABLE AREA PA tTABULAR ALLOWABLE AREA PIn ACCORDANCE WITHI fAREA FACTOR INCREASI ACCORDANCE WITH SECNSTABULAR ALLOWABI WITH TABLE 506.2 FCS aACTUAL NUMBER OF PLANE, NOT TO EXCWCALCULATED WIDTH (FEET) IN ACCORDATIONW nWIDTH (≥ 20 FEET) OF A WITH THAT PORTION OF FFBUILDING PERIMETE OR OPEN SPACE HAPPERIMETER OF ENTITIIf = [F/P - 0.25]W/30	ER FLOOR (S AREA FACTOR TABLE 506.2 (S E DUE TO FRO CTION 506.3 (F LE AREA FAC OR NONSPR F BUILDING EED THREE H OF PUBLIC NCE WITH S I OF THE EXTERIC A PUBLIC WAY OF THE EXTERIC VING A WID RE BUILDIN(A _a = A _t
	GROUNE 1/16" = 1'-0"	D FLOOR I	_IFE SAFI	ΞΤΥ ΡΙΑΝ		If = [F/P - 0.25]W/30 If = [100/XX - 0.25] XX/30 If = [0.XX] 1.00 If = XX%	$\begin{array}{c} A_a = A_t \\ A_a = XX \\ A_a = XX \\ A_a = XX \end{array}$

ETY PLAN LE	EGEND	50-7601
EXIT RY EXIT NDOW (SECONDARY LE EXIT SSISTANCE STATION/ F OCCUPANTS PER T UMBER OF OCCUPAN EXIT WIDTH FOR DOG PANT * 0.2)	EXIT) AREA OF REFUGE ABLE 1004.1.2 TS) OR BASED	19 Front St. · Newburgh · New York 1255 845 · 561 · 3179 www.csarchpc
EXIT WIDTH FOR STA 2ANT * 0.3) OF TRAVEL (START NALL MOUNTED, ILLUM BY SHADING, ARROM AL ARROW REQUIRED BY SHADING, ARROM AL ARROW REQUIRED	IRS BASED - END) IINATED FACE I INDICATES D. JMINATED FACE I INDICATES D.	sultant
EXTERNAL DEFIBRILI UNTAIN EYEWASH STATION ISHER, WALL MOUNT ISHER CABINET	LATOR	Ō
EPARATION	NOTES	
E BARRIER RIDOR, ENCLOSED WI ITIONS - NO COMMUN ANICAL AIR BETWEEI CENT SPACES.	TH SMOKE ICATING N CORRIDOR AND	
UR RATED FIRE BAR UR RATED FIRE BAR UR RATED FIRE WAL	RIER RIER L	ROCH ASE 2
TION: 1968 :: IIB A: 31,115 SF G 48,430 SF G	R055 R055	- PH
IIDN: 1999 IIB A: 9,6505FGR0 10,375 5FG	055 R <i>0</i> 55	OF N UTAR CTS
X SF		
GE AREA, MECH. ROO	AD M 300 GROSS	$ \bigcup_{i} \sum_{j} \sum_{i} \sum_{j} \sum_{j} \sum_{i} \sum_{j} \sum_{j} \sum_{i} \sum_{j} \sum_{j} \sum_{j} \sum_{j} \sum_{j} \sum_{$
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	50 GR055 50 GR055	$ O \equiv \overline{A} $
IAL	200 GROSS 50 GROSS	
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	X.XX IN /H	
INTENSITY	x.xx IN./H	
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2	XXX MPH	ect Title
Y <u>4:</u>	×	
GORY	x x	GTERED ARCL
DIFICATIONS (NYS SEC	TION 506)	S S S M HIZE WITE
BLE AREA FACTOR (NS,S1,S1)	I3R OR S13D VALUE) FEET)	on the second
REASE DUE TO FRONTAGE A H SECTION 506.3 (PERCENT VABLE AREA EACTOR IN	AS CALCULATED IN)	PIE OF NEW YOS
2 FOR NONSPRINKLER R OF BUILDING STORIE	ED BUILDING S ABOVE GRADE	Expiration Date: 02/28/2025
EXCEED THREE DTH OF PUBLIC WAY C	DR OPEN SPACE	
TON OF THE EXTERIOR PER	IMETER WALL	
IN OF THE EXTERIOR PERIM	IETER WALL	Drawn Bv:
$\begin{array}{c c} \hline \textbf{A} & \textbf{A} & \textbf{WDIHOF} \\ \hline \textbf{NTIRE BUILDING (FEET)} \\ \hline \textbf{A}_{a} &= \textbf{A}_{t} + (\textbf{NS x I} \\ \textbf{A}_{a} &= \textbf{XXX} + (\textbf{XXX} \\ \textbf{A}_{a} &= \textbf{XXX} + (\textbf{XXX} \\ \textbf{A}_{a} &= \textbf{XXX} + (\textbf{XXX} \\ \textbf{XXX} &= \textbf{XXX} + (\textbf{XXX} \\ \textbf{XX} &= \textbf{XXX} + (X$	f) (x 0.XX)	Checked By: MZ Proj. #: 66-11-00-01-0-005-014 CSArch Proj. #: 188-2301.02 Issued for Bid: 03/14/2025
A _a = XXX sq ft		Sheet Title GROUND
		FLOOR LIFE
		SAFETY DRAWINGS
		Sheet No.
COPYRIGHT © ALL	RIGHTS RESERVED	CONSTRUCTION DOCUMENTS



		LIFE SAFETY PLA
		S SECONDARY EXIT
		R RESCUE WINDOW (SECON
		RESCUE ASSISTANCE ST
		## OCCS NUMBER OF OCCUPANTS (## OCCS) (ACTUAL NUMBER OF OC
		OCCCS - REQUIRED EXIT WIDTH FO EWR - ON (OCCUPANT * 0.2)
		STAR CAPACITY OCCS - EWR - EWP - ON (OCCUPANT * 0.3)
		EXIT PATH OF TRAVEL (S EXIT SIGN, WALL MOUNTED INDICATED BY SHADING, A
		EXIT SIGN, CEILING MOUNT INDICATED BY SHADING, A DIRECTIONAL ARROW RE
		ABBREVIATIONS AED AUTOMATED EXTERNAL DE OF DRINKING FOUNTAIN ESD EMERGENCY EYEWASH STA (FE) FIRE EXTINGUISHER, WALL M EEO FIRE EXTINGUISHER CABINE
		SMOKE SEPARAT
		CORRIDOR, ENCLOS PARTITIONS - NO CO MECHANICAL AIR BE ADJACENT SPACES
		FIRE SEPARATIO
		2 HOUR RATED FIR
		CODE NARRATIVE:ORIGINAL CONSTRUCTION:1968CONSTRUCTION TYPE:IIBGROUND FLOOR AREA:31,11FIRST FLOOR AREA:48,43
		ADDITION CONSTRUCTION: 1999 CONSTRUCTION TYPE: IIB GROUND FLOOR AREA: 9,650 FIRST FLOOR AREA: 10,37
		CLASSIFICATION OF WORK: LEVEL 2 ALTERA XXX SF
		OCCUPANT
		ACCESSORY STORAGE AREA, MEC ASSEMBLY W/ FIXED SEATS
		ASSEMBLY W/OUT FIXED SEATS CONCENTRATED
		UNCONCENTRATED BUISNESS AREAS
APACITY 116		CLASSROOM AREAS
24" 68" 3 F.U.		VOCATIONAL ROOM AREAS LOCKER ROOMS
	DOOR CAPACITY	READING ROOMS
01A 109 SF 5 SF 1 OCCS	$\stackrel{\bullet}{\rightarrow}$	
OFFICE 33A		SIRUCIURAL <u>RISK CATAGORY:</u>
101 SF 1 OCCS		DEAD LOADS:
DOOR CAPACITY 115A 32 SF EWR		CONCRETE SLAB
ALDOR [D1] SF SF		SLAB RAIN LOADS:
GYMNASIUM 33 Exoda se	OCCS 37 EWR 8" FWP 40"	15-MINUTE RAINFALL INTENSITY
		SNOW LOADS:
		GROUND SNOW LOAD
		SLOPED ROOF SNOW LOAD
DOOR CAPACITY	STAFF DINING	<u>WIND LOADS:</u> ULTIMATE WIND SPEED
OCCS 29 EWR 6" CLOSET TOILET EWP 68"	37 OCCS DOOR CAPACITY OCCS 29	
A.E.U.=3 E.U. 80 SF 1 OCCS	EWR 6" EWP 68" A.E.U.=3 E.U.	SITE CLASS
STORAGE	VESTIBULE DOOR CAPACITY	SEISMIC DESIGN CATEGORY FIRE AREA MODIFICATIONS (N
B3C 123 SF 1 OCCS	5 144 SF 144 SF EWP 68"	A a ALLOWABLE AREA PER FLOOR (S A t TABULAR ALLOWABLE AREA FACTOR
	STORAGE 102A 24 SF 101 ET 18 SF 101 ET 18 SF	AREA FACTOR INCREASE DUE TO FRO ACCORDANCE WITH SECTION 506.3 (I
DOOR CAPACITY OCCS 86 EWR 18"	TOCCS 1 OCCS 57 SE 76 SF	WITH TABLE 506.2 FOR NONSPR
► EWP 68"		PLANE, NOT TO EXCEED THREE W CALCULATED WIDTH OF PUBLIC
		L n LENGTH OF A PORTION OF THE EXTER
3880 SF 259 OCCS		W n WIDTH (≥ 20 FEET) OF A PUBLIC WAY WITH THAT PORTION OF THE EXTERIO
	KITCHEN	OR OPEN SPACE HAVING A WID P PERIMETER OF ENTIRE BUILDING
CAPACITY	6 OCCS	$I_{f} = [F/P - 0.25]W/30 \qquad A_{a} = A_{t}$ $I_{f} = [100/XX - 0.25]XY/30 \qquad A_{a} = -XY$
		$I_{f} = [0.XX] 1.00 \qquad A_{a} = XX$ $I_{f} = XX\% \qquad A_{a} = XX$
DOOR CAPACITY OCCS 86 EWR 18"		
EWP 34" A.E.U.=1 E.U.		
	R LIFE SAFETY PLAN	

ETY PLAN	LEGEND)	50-7601 . c o m	I
EXIT ARY EXIT			ork 1255 r c h p c	U
NINDOM (SECONDA) BLE EXIT	KT EXIT)		ч. Сsа w. csa	Ř
ASSISTANCE STATIC	DN/AREA OF R	EFUGE	wburgh w w v	4
OF OCCUPANTS PER NUMBER OF OCCUP	R TABLE 1004 ANTS)	.1.2	: St. · Ne I · 3179	\mathcal{O}
D EXIT WIDTH FOR I JPANT * 0.2)	OOR BASED		9 Front 345 - 561	()
D EXIT WIDTH FOR S JPANT * 0.3)	TAIRS BASED		÷ ∞	
H OF TRAVEL (STAP	RT - END)			
, WALL MOUNTED, ILI D BY SHADING, ARR	-UMINATED FAC OW INDICATES	Æ		
, CEILING MOUNTED,	KED. ILLUMINATED F/	ACE		
D BY SHADING, ARR DNAL ARROW REQUIN	OW INDICATES RED.		nsultant	
D EXTERNAL DEFIBI	RILLATOR		<u>ප</u>	
OUNTAIN Y EYEWASH STATIO	N			
GUISHER, WALL MOUN GUISHER CABINET	ΙT			
SEPARATIO	n note	S		
DKE BARRIER				
RIDOR, ENCLOSED	WITH SMOKE			
HANICAL AIR BETM IACENT SPACES.	EEN CORRIDOI	RAND	μų	
PARATION	LEGEND)		
OUR RATED FIRE P.	ARTITION		뿌_	ן אַ ר
OUR RATED FIRE B	ARRIER ARRIER) , , , , , , , , , , , , , , , , , , ,
OUR RATED FIRE W	ALL		O	2 2
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PE: IIB EA: 31,1155i : 48,4305i	= GR055 = GR055		$ \geq 0$	ъ Ч
ICTION: 1999			<u> Щ</u> >	
PE: IIB IEA: 9,6505F (: 10375 ()	5R055 F GR055			ہ ہے ا
				× ┣ - ()
EVEL 2 ALTERATIC	N			ZШ
CUPANT LO	DAD			101
AGE AREA, MECH. R D SEATS	00M 300 GR	055 004.6		ן אַ ן
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6	150 GR 20 NET	055		
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	50 GRO	55	エ =	
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1				50
	XXX PSF			
	XXX PSF			
L INTENSITY	x.xx IN./H			
LINTENSITY	x.xx IN./H			
	XX PSF			
M LOAD	XXX			
ED	XXX MPH		ct Title	
PRY TA:	x		Proje	
TEGORY	x		TERED	ARCL
	SECTION 506)		A CHINE M RU	
ABLE AREA FACTOR (NS,S WITH TABLE 506.2 (SQU)	TRE FEET) ARE FEET)	ALUE)	Planue Contraction	ture
CREASE DUE TO FRONTA ITH SECTION 506.3 (PERC	GE AS CALCULATED		ATE OF N	IEW YORK
DE AKEA FACTO D <u>6.2 FOR NONSPRINK</u> BER OF BUILDING STO	NIN ACCORDAN LERED BUILDING RIES ABOVE GRA		Expiration Dat	e: 02/28/2025
D EXCEED THREE WIDTH OF PUBLIC WA	Y OR OPEN SPA	CE		
RTION OF THE EXTERIOR T) OF A PUBLIC WAY OR (PERIMETER WALL	CIATED	1 12/05/2024 SEC) ADDENDUM #3
NOT THE EXTERIOR PERMIT	RIMETER WALL	VAY	Drawn Rv [•]	
	<u>JF ZU FEEL OR M</u> EET)		Checked By: Proj. #: 66	MZ -11-00-01-0-005-014
$\begin{array}{c} A_a = A_t + (NS) \\ A_a = XXX + (X) \\ A_a = XXX + (X) \end{array}$	(XX x 0.XX) (XX)		CSArch Proj. #: Issued for Bid:	188-2301.02 03/14/2025
A _a = XXX sq	ft		Sheet Title	
			FIRST F	LOOR
			LIFE SA	AFETY
			DRAW	INGS
			Sheet No.	
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			$\mid LS1$	UI
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14 C230 FULL REVEAL CONCRETE CURB (TYP.)

CHAIN LINK FENCE TO BE SURFACE MOUNTED TO CURB ALONG EAST

2 STORY BRICK BUILDING

PROPERTY LINE • CHIMNEY

N/F FRISOLONE SECTION 4, BLOCK 1293, LOT 24 CONTROL #63303362

1 STORY BRICK BUILDING

GUTTER ALONG ROOF

2 STORY BLOCK BUILDING

N/F THEVER LL LLC SECTION 4, BLOCK 1293, LOT 26 CONTROL #521313310

26 CONTROL #521313310

2 STORY WOOD FRAME BUILDING

— OHW ———

CONCRETE

CURB

CONCRETE CURB

SITE PLAN NOTES:

- 1. <u>LAYOUT</u> THE DIMENSIONS SHOWN ARE TO THE FACE OF THE CURB AND INCLUDES THE OVERALL SIDEWALK WIDTH, WHERE APPLICABLE.
- 2. <u>ASPHALT</u> ASPHALT SHALL BE CALCULATED BY WEIGHT (TONNAGE) USING THE SPECIFIED COMPACTED THICKNESS. PAVEMENTS WILL BE BASED ON THE TONNAGE PLACED AS ACCOUNTED FOR BY EACH DELIVERY TRUCK. FULL TIME ON-SITE OBSERVATION WILL BE PRESENT DURING ALL RELATED PAVING OPERATIONS.
- 3. <u>VEHICULAR TRAFFIC</u> SHALL NOT BE PERMITTED ON THE SURFACE OF SUBBASE COURSE MATERIAL ONCE IT HAS BEEN FINE GRADED, COMPACTED, AND IS READY FOR PAVING. SUBBASE MATERIAL PREPARED FOR PAVING SHALL BE PAVED WITHIN THREE DAYS OF PREPARATION.
- 4. <u>SUBBASE MATERIAL</u> AND THE VARIOUS ASPHALT CONCRETE MATERIALS CALLED FOR IN THESE DRAWINGS SHALL CONFORM WITH THE REFERENCED SECTION OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED "LATEST EDITION". CONSTRUCTION SHALL BE AS FURTHER SET FORTH IN THOSE SPECIFICATIONS AND AS OTHERWISE PROVIDED FOR IN THESE DRAWINGS.
- 5. <u>PLACE ASPHALT</u> CONCRETE MIXTURE ON PREPARED SURFACE, SPREAD AND STRIKE-OFF USING A SELF-PROPELLED PAVING MACHINE, WITH VIBRATING SCREED. PLACEMENT IN INACCESSIBLE AND SMALL AREAS MAY BE BY HAND.
- 6. JOINTS PROVIDE JOINTS BETWEEN OLD AND NEW PAVEMENT OR BETWEEN SUCCESSIVE DAYS WORK.
- 7. <u>TACK COAT</u> SHALL BE APPLIED TO BINDER COURSE. TACK COAT SHALL CONFORM WITH THE FOLLOWING:
- A. TACK COAT SHALL MEET THE MATERIAL REQUIREMENTS OF 702-90 ASPHALT EMULSION FOR TACK COAT OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED "LATEST EDITION" AND SHALL BE APPLIED IN ACCORDANCE WITH SECTION 407. TACK COAT SHALL BE IN ACCORDANCE WITH THOSE SPECIFICATIONS AND AS OTHERWISE PROVIDED FOR IN THESE DRAWINGS.
- B. REMOVE LOOSE AND FOREIGN MATERIAL FROM ASPHALT SURFACE BEFORE PAVING NEXT COURSE. USE POWER BROOMS, BLOWERS OR HAND BROOM.
- C. APPLY TACK COAT TO THE ASPHALT PAVEMENT SURFACES AND SURFACES OF CURBS, GUTTERS, MANHOLES, AND OTHER STRUCTURES PROJECTING INTO OR ABUTTING PAVEMENT. DRY TO A "TACKY" CONSISTENCY BEFORE PAVING.
- D. TACK COAT ENTIRE VERTICAL SURFACE OF ABUTTING EXISTING PAVEMENT.
- 6. <u>CLEAN SURFACE</u> AFTER COMPLETION OF PAVING AND SURFACING OPERATIONS, CLEAN SURFACES OF EXCESS OR SPILLED ASPHALT, GRAVEL OR STONE MATERIALS TO THE SATISFACTION OF THE ENGINEER.

	N	NUTCD	SIGN	SCHE	DUL
SIGN		MUTCD	MIN	COL	ORS
NO.	SIGNTACE	NUMBER	SIZE	BCKGRND	LEGEN
$\langle \mathbf{l} \rangle$	STOP	R1-1	24"X24"	RED	WHITE
(2)	DO NOT ENTER	R5-1	30"X30"	RED	WHITE
(3)	NO PARKING	R8-3A	18"X24"	WHITE	RED
$\langle 4 \rangle$		R6-2	24"X30"	WHITE	BLACK
(5)	ONE WAY	R6-2	24"X30"	WHITE	BLACK
(6)	RESTID PARING SOLUTION	R7-8	12"X18"	WHITE	GREEN
$\langle 7 \rangle$	VAN ACCESSIBLE	R7-8P	18"X9"	WHITE	GREEN
 8>		R3-2	24"X24"	WHITE	BLACK RED
(9)	ONLY	R3-5	30"X36"	WHITE	BLACK

COPYR







-1 FC LIGHTING 1 FOOTCANDLE CONTOUR -0.5 FC LIGHTING 0.5 FOOTCANDLE CONTOUR FOOTCANDLE POINT PLOTS





			LUMINAIRE SCHEDU	LE			
SYMBOL	QUANITITY	CATALOG NUMBER	DESCRIPTION	MOUNT HEIGHT	LUMENS	INPUT WATTAGE	BUG RATING
••	2	A17-4T70N	SINGLE POLE MOUNTED AREA LIGHT	12 FT	± 9938	70.8	B2-U0-G2
••	2	A17-4T70N	SINGLE POLE MOUNTED AREA LIGHT	12 FT	± 9938	70.8	B2-U0-G





LIGHT FIXTURE SHALL BE MODEL A17-4T70N MANUFACTURED BY RAB.
 APPROVED EQUIVALENTS ARE ACCEPTABLE







BE DAWAGED, COT OR REMOVED WIT				VAL.		
					DRAWN BY:	RMH
NEW ROCHELLE		CONCRE	TE SIDEWALK DETAIL		REVIEWED BY:	AAL
					SCALE: NOT	TO SCALE
MENT OF PUBLIC WORKS					DATE ISSUED:	11/10/2022
515 NORTH AVENUE					DRAWING NO.	
EW ROCHELLE, NY 10801	1	08/14/23	EDITED DETAIL	AAL		020
54-2130 • FAX: (914) 654-2195	REV. NO.	DATE	DESCRIPTION	APPD.		-030

		DRAWN BY: RMH
(TYPE A)		REVIEWED BY: AAL
		SCALE: NOT TO SCALE
		DATE ISSUED: 11/10/2022
NOTATIONS	AAL	DRAWING NO
NOTATIONS	AAL	CNR-01-010
FION	APPD.	CINIX-01-010





R	"E" UNG
	LEAR
5	7/8
1	7/8

-1/2" GRADE 60 \REINFORCEMENT

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NOTES DNAL GENERAL NOTES. FOR LIFE SAFETY PLANS AND FOR DIMENSIONS, DETAILS, AND N. FOR DIMENTIONS, DETAILS, AND ON. FOR DIMENTIONS, DETAILS, AND FOR DIMENTIONS,	19 Front St. · Newburgh · New York 12550-7601 845 · 561 · 3179 www.csarchpc.com
	Consultant
	CITY SCHOOL DISTRICT OF NEW ROCHELLE COLUMBUS ELEMENTARY SCHOOL 2023 CAPITAL PROJECTS - PHASE 2A
	Bojet Tite Repiration Date: 02/28/2025
'LAN	1 12/05/2024 SED ADDENDUM #3 ▲ DATE DESCRIPTION Drawn By: RC Checked By: MZ Proj. #: 66-11-00-01-0-005-014 CSArch Proj. #: 188-2301.02 Issued for Bid: 03/14/2025
A	AREA 'A' PARTIAL FIRST FLOOR PLAN Sheet No. CES A110
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- REFER TO DETAIL 2/A651 FOR MORE INFORMATION

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\times PLASTIC LAMINATE ON 3/4" PARTICLE BOARD WITH PLASTIC LAMINATE SELF EDGE. 3" — TOE KICK: 3/4" PARTICLE BOARD. RUBBER BASE BY FLOORING CONTRACTOR.

- DRAWER FRONT:

DRAWER BOX:

- WOOD OR PANEL PRODUCT STRETCHERS ON CENTER IN CABINETS GREATER THAN 30 INCHES WIDE.

— SOLID SURFACE. ADHERE TO WALL AND CAULK AS REQUIRED. RETURN TO FRONT OF CABINET AT ADJACENT SIDEWALLS, TYP.

PLASTIC LAMINATE ON 3/4" PARTICLE BOARD WITH

1/2" SOLID HARDWOOD SIDES WITH 1/4" PLYWOOD BOTTOM SET IN DADO AT ALL SIDES.

SELF EDGE (ALL DOOR AND DRAWERS ONLY.

- SOLID SURFACE COUNTERTOP.

— 3/4" X 2-1/2" WEB FRAME. PLASTIC LAMINATE AT VISIBLE EDGE.

 CASEWORK DETAIL

 A651
 1 1/2" = 1'-0"

/-----

FINISHED BACK PANEL

2' - 0" (UNO)

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NOTE: PROVIDE WOOD BLOCKING IN WALL AT ALL ATTACHMENT LOCATIONS

- SUPPORT BRACKET. REFER TO ELEVATIONS FOR

ollura\Documents\188-2301_COLUMBUS_ES_rcolluraXYARE.rvt

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CONSTRUCTION DOCUMENTS

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CEILING 1. INSTALL CEILING GRIDS CENTERE ROOMS OTHER THAN RECTANGL CENTERED ON WALLS OR OTHER INDICATED. 2. INSTALLATION HEIGHTS OF THE OSLIGHTLY FROM PLANS IN ROOM WINDOWS. ACTUAL CEILING HEIG FIELD. 3. FINAL INSTALLED CEILINGS SHAL COORDINATED WITH OTHER COI CEILING WORK AND VERIFIED WI CHANGES IN CONFIGURATION O APPROVED BY THE ARCHITECT. 4. LIGHT FIXTURES AND MECHANIC FOR POSITIONING IN FINISH CEIL WITH MECHANICAL AND ELECTR FIXTURET, AND INSTALLATION OI WITHOUT CEILINGS. (LIGHTING A SHOWN FOR COORDINATION AND ELECTRICAL DRAWINGS FOT S. CENTER LIGHTS, DIFFUSERS, EXIT SPEAKERS, GENERAL ALARM SPEJ DEVICES IN CEILING TILES WHERE MULTIPLE ITEM CENTER OR EDGE 6. PROTECT EXISTING SECURITY CAI AREAS OF CEILING REPLACEMENT OTHERWISE. 7. ALL NEW GRID CEILINGS ARE TO DIFFUSER LOCATIONS AND CEILIN OTHERWISE. 8. ALL NEW GRID CEILINGS ARE TO DIFFUSER LOCATIONS AND CEILIN OTHERWISE. 9. ALL NEW GRID CEILING THEIGHT ABOV • +* CEILING HEIGHT ABOV • ALL NEW GRID CEILING THEIGHT ABOV • +* CEILING HEIGHT FIXTURE • 1'x LIGHT FIXTURE 1'x LIGHT FIXTURE • *X ⁺ CEILING MOUNTED EX ©S • CEILING MOUNTED FIX • CEILING MOUNTED FIX
KEY PI

	RO	om finish so	CHEDULE		
			FLC	DOR	
NUMBER	NAME	Wall Finish	FINISH	BASE	CEILING
37	MAIN OFFICE	ETR/ PNT-1	ETR/LVT-1	ETR/RB-1	
108	CAFETERIA	ETR/PNT-3	ETR/VCT-1	ETR/RB-2	
SO1	SECURITY OFFICE	PNT-2	LVT-1	RB-1	PNT-4
SV01	SECURED VESTIBULE	ETR/ PNT-2	ETR	ETR/RB-1	PNT-4

						MANUFACTURER'S NAMES AND FINIS INDICATED AS REFERENCED TO THE A DESIGN SELECTIONS AND HAVE BEEN BID. THE CONTRACTOR AND OWNER THAT FINISHES INSTALLED IN THE WO
			MATERIALS LEGEND			CHANGE IN RESPONSE TO SUBMITTA SELECTIONS, PRODUCT AVAILABILITY COORDINATION OF FINISHES BY ARC
MATERIAL	MANUFACTURER	MODEL	COLOR #/NAME SIZ	E NOTE		FROM PRODUCTS LISTED HEREIN.
LUXURY VINYL T LVT-1	ILE MANNINGTON	C0135 MATUTO PLUS STONE	915A FROSTBITE STONE 12" X 24"	TYP. FLOOR		ACMU ARCHITECTURAL CONCR ACT ACOUSTICAL CEILING TIL APC ACOUSTICAL PANEL CEIL
PAINT PNT-1	SHERWIN WILLIAMS	EGGSHELL	AS SELECTED FROM FULL RANGE OF COLOR / MATCH	MAIN OFFICE		BBTBIO-BASED TILEBRKBRICKCFTCERAMIC FLOOR TILE
PNT-2	SHERWIN WILLIAMS	EGGSHELL	AS SELECTED FROM FULL RANGE OF COLOR / MATCH EXISTING	SECURED VESTIBULE/ SECURITY - MATCH TO CORRIDOR C104		CMU CONCRETE MASONRY UN CONC CONCRETE CPT CARPET
PNT-3 PNT-4	SHERWIN WILLIAMS SHERWIN WILLIAMS	SEMI-GLOSS FLAT	AS SELECTED FROM FULL RANGE OF COLOR / MATCH EXISTING SW 7005 PURE WHITE	CAFETERIA GYPSUM CEILINGS		CTBCERAMIC TILE BASECWTCERAMIC WALL TILEETREXISTING TO REMAIN
PNT-5	SHERWIN WILLIAMS	SEMI-GLOSS	AS SELECTED FROM FULL RANGE OF COLOR / MATCH EXISTING	HM DOOR & FRAME		EXP EXPOSED EXST EXISTING FAC/FF FACTORY FINISH
PLASTIC LAMINA PLAM-1	NTE WILSONART	PLASTIC LAMINATE	FAWN CYPRESS	MAIN OFFICE		GWBGYPSUM WALL BOARDLMCLINEAR METAL CEILINGLVTLUXURY VINYL TILE
RUBBER BASE	TARKETT	BASEWORKS	AS SELECTED FROM FULL RANGE OF COLOR / MATCH MATCH EXISTING	TYP. BASE		MSS MUSIC STORAGE SYSTEM MWP METAL WALL PANEL PCON POLISHED CONCRETE
RB-2	TARKETT	BASEWORKS	EXISTING AS SELECTED FROM FULL RANGE OF COLOR / MATCH MATCH EXISTING	PATCH @ CAFETERIA		PLAM PLASTIC LAMINATE PLAS PLASTER PNT PAINT
SOLID SURFACE						RAF RESILIENT ATHLETIC FLO RB RUBBER BASE RF RESINOUS FLOORING
SS-1		CORIAN	DOVE	MAIN OFFICE AND SECURITY		RST RUBBER STAIR TREAD / L RT RUBBER TILE FLOORING SCONC SEALED CONCRETE
VCT-1	ARMSTRONG	STANDARD EXCELON IMPERIAL TEXTURE	AS SELECTED FROM FULL RANGE OF COLOR / MATCH 12" X 12" EXISTING	PATCH @ CAFETERIA		SS SOLID SURFACE STF SYNTHETIC TURF FLOORI STL STEEL
						WD WOOD WOM WALK-OFF MAT GENERAL FINIS 1. ALL EXPOSED SURFACES OF NEW IPAINTED. 2. WHEN ANY WORK IS PERFORMED THE ENTIRE WALL SURFACE IS TO CORNER, UNLESS NOTED OTHERW 3. ALL ELECTRIC, MECHANICAL COM TELEPHONE PANELS EXPOSED IN A WALL COLOR. 3. ALL ELECTRIC, MECHANICAL COM TELEPHONE PANELS EXPOSED IN A WALL COLOR. 4. ALL NEW GWB CEILINGS, FASCIAS, PAINTED PNT-4, UNO. 5. NEW HM DOORS, DOOR FRAMES JAND ETR CORRIDOR DOOR & WIN SCHEDULED ON A900 SERIES DRAY 6. IF WALL DAMAGE OCCURS DURIN DOORS, FRAMES, OR EQUIPMENT, THE SURFACE. FINISH K Room Name IOI Wall Finish = Finish Tag PNT-# ACCENT PAINT LCC IMAGE FINISH = LVT-1 ELVT-1 ELVT-1
	LET G SF KITCHEN 125 62 SF PASSAGE 123 152 SF PRINCIPAL 39 206 SF	CLOSET 124 79 SF EXTENT OF FLOORING REPLACEMENT RB-1 TO F	MAIN OFFICE	CORRIDOR C104	CAFETERIA TOR TRIRBEZ ETRANCI-1 SECURITY OFFICE SOTI 2 RB-1 UT-1	
				1 AREA 'A' FIRST FLO AF001 ^{1/4" = 1'-0"}	OR FINISH PLAN	

DISCLAIMER NOTE TURER'S NAMES AND FINISH INFORMATION ARE AS REFERENCED TO THE ARCHITECT'S BASIS-OF- LECTIONS AND HAVE BEEN DETERMINED PRIOR TO CONTRACTOR AND OWNER ARE HEREBY NOTIFIED SHES INSTALLED IN THE WORK ARE SUBJECT TO A RESPONSE TO SUBMITTALS, CONFIRMED S, PRODUCT AVAILABILITY AND THE SUBSEQUENT ATION OF FINISHES BY ARCHITECT AND MAY DIFFER DUCTS LISTED HEREIN. ARCHITECTURAL CONCRETE MASONRY UNIT ACOUSTICAL CEILING TILE ACOUSTICAL PANEL CEILING BIO-BASED TILE BRICK CERAMIC FLOOR TILE CONCRETE MASONRY UNIT CONCRETE	19 Front St. · Newburgh · New York 12550-7601 845 · 561 · 3179 w w w . c s a r c h p c . c o m
CARPET CERAMIC TILE BASE CERAMIC WALL TILE EXISTING TO REMAIN EXISTING FACTORY FINISH GYPSUM WALL BOARD LINEAR METAL CELINIG LUXURY VINY TILE MUSIC STORAGE SYSTEM METAL WALL PANEL POLISHED CONCRETE PLASTIC LAMINATE PLASTER PAINT RESUMUS FLOORING RUBBER STAR TREAD / LANDING RUBBER STAR SCONCOTORY STELL TERRAZZO TOILET PARTITIONS TYPICAL VINYL COMPOSITION TILE ANTI-STATIC VINYL COMPOSITION TILE SCED SURFACES OF NEW PARTITIONS ARE TO BE D. ANY WORK IS PERFORMED ON ANY EXISTING WALL RE WALL SURFACES OF NEW PARTITIONS ARE TO BE D. ANY WORK IS PERFORMED ON ANY EXISTING WALL RUMELSS MOTED OTHERWISE. CTRIC, MECHANICAL COMPONENTS AND ONE PANELS EXPOSED IN A ROOM TO MATCH OLOR. WORD CELLINGS, FASCIAS, AND SOFFITS TO BE D PNT-4, UNO. M DOORS, DOOR FRAMES AND WINDOW FRAMES A CORRIDOR DOOR & WINDOW FRAMES AS JLED ON A900 SERIES DRAWINGS, PNT-5. DAMAGE OCCURS DURING THE REMOVAL OF FRAMES, OR EQUIPMENT, REPAIR AND REPAINT RACE: FINISH KEYS M M M COCENT PAINT LOCATION M DOORS, DOOR FRAMES AND WINDOW FRAMES A COCENT PAINT LOCATION M DOORS, DOOR FRAMES AND WINDOW FRAMES A COCENT PAINT LOCATION M DOORS, DOOR FRAMES AND WINDOW FRAMES M M ON A900 SERIES DRAWINGS, PNT-5. DAMAGE OCCURS DURING THE REMOVAL OF FRAMES, OR EQUIPMENT, REPAIR AND REPAINT PAINTS M ON A900 SERIES DRAWINGS, PNT-5. DAMAGE OCCURS DURING THE REMOVAL OF M ON A900 SERIES DRAWINGS, PNT-5. DAMAGE OCCURS DURING T	CITY SCHOOL DISTRICT OF NEW ROCHELLE COLUMBUS ELEMENTARY SCHOOL 2023 CAPITAL PROJECTS - PHASE 2A
KEY PLAN	Image: Street No. Image: Street No. Image: Street No.
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(7)

6

- 1 BALL VALVE 2 CALIBRATED BALANCING VALVE $\langle 3 \rangle$ UNION $\langle 4 \rangle$ MANUAL AIR VENT
- $\left< \frac{5}{5} \right>$ HINGED FRONT PANEL $\langle 6 \rangle$ SPRING VIBRATION ISOLATION (TYP FOR 4)
- $\langle 7 \rangle$ Threaded Rod (TYP For 4)

- $\langle 1 \rangle$ AIR COOLED CONDENSING UNIT
- $\langle 2 \rangle$ COUNTER FLASHING OVER TREATED WOOD NAILER (3) WELDED GALVANIZED STEEL EQUIPMENT RAIL (MIN. 24" HIGH), MIN. 18 GAGE AS MANUFACTURED BY
- GREENHECK OR APPROVED EQUAL. 4 FASTEN CONDENSING UNIT TO EQUIPMENT RAIL. COORDINATE SPACING PRIOR TO INSTALLATION.

NOTE: EQUIPMENT RAIL FURNISHED BY MC AND TURNED OVER TO GC FOR INSTALLATION. COORDINATE SIZE AND LAYOUT WITH GC.

SHEETMETAL LEGEND

				—— ни
SUPF DN)	PLY DUCT (UP &		AUTOMATIC TEMPERATURE CONTROL DAMPER (OPPOSED BLADE TYPE)	– — –HV
RETU DN)	URN DUCT (UP &	+++++xxxy	FLEXIBLE DUCTWORK (MAXIMUM LENGTH NOT TO EXCEED 36 INCHES)	——CV
EXHA DN)	AUST DUCT (UP &		TRANSITION WITH FLAT SIDE	HP\
12"x10" RECT	TANGULAR DUCTWORK (WIDTH X DEPTH)			— —HP\ —— R
10"Ø ROUI	ND DUCTWORK (SIZE, DIAMETER)		TRANSITION ON CENTER	——— R
	ED ELBOW		RECTANGULAR TO ROUND TRANSITION	- — - R⊦ ——DT\
	OVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH ES)		BRANCH TAKE-OFF WITH VOLUME DAMPER	— —DT\
RADI (I.D. I	IUS ELBOW RADIUS IS DUCT WIDTH)			—— G
	UME DAMPER (SINGLE OR OPPOSED		& VOLUME DAMPER	——ML
	JE) AS CIFIED		RECTANGULAR TO ROUND TAP (HETO) & VOLUME DAMPER	C
	ESS DOOR (BOTTOM SHOWN)		SMOKE DAMPER, FIRE DAMPER, OR COMBINATION	— — — C
ACCE	ESS DOOR (SIDE SHOWN)	<u>, , , , , , , , , , , , , , , , , , , </u>		

					ELECT	RICAL		H	EATING		PACITY			DESIGN BASIS	
TAG	LOCATION	ARRANGE	EMENT	CFM	HP RPM	VOLTS PH	EAT (F)	LAT (F)	MBH	GPM	EWT (F)	LWT (F)	WPD	STERLING	REMARK
ES-CH-1	SECURED VESTIBULE	RECESSED	CEILING	230 '	/15 1050	120 V 1	60	116.3	14.1	1.41	180	160	0.15	RC-1200-02	1, 2, 3
S-CH-2	SECURED VESTIBULE	RECESSED	CEILING	230 '	/15 1050	120 V 1	60	116.3	14.1	1.41	180	160	0.15	RC-1200-02	1, 2, 3
	NON	-POWE	ERE	D RC	OF V	ENTIL	ATO	RS S	SCH	ED	ULE				
	NON	-POWE		D RC	OF V	ENTIL	ATO	RS S	SCH		ULE	RERS			
TAG	NON	-POWE	HOOD /ELOCITY (FPM)		OF V	ENTIL	.ATO	RS S ноор	SCH		ULE ufactui cook	RERS	REMA	RKS	
TAG CES-GIV REMARK	NON service /-1 INTAKE <s:< th=""><th>-POWE MAX. CFM 690</th><th>HOOD /ELOCITY (FPM) 500</th><th>DRC THROA SIZE (' 8 DIA</th><th>DOF V T CURB C SIZE (* 18x18</th><th>AP DUCTED S.P. (") 0.375</th><th>АТО н (") 8</th><th>HOOD L (") 18 DIA</th><th>SCH w (") 18 DIA</th><th></th><th>ULE UFACTUI COOK PR</th><th>RERS</th><th>REMA</th><th>RKS</th><th></th></s:<>	-POWE MAX. CFM 690	HOOD /ELOCITY (FPM) 500	DRC THROA SIZE (' 8 DIA	DOF V T CURB C SIZE (* 18x18	AP DUCTED S.P. (") 0.375	АТО н (") 8	HOOD L (") 18 DIA	SCH w (") 18 DIA		ULE UFACTUI COOK PR	RERS	REMA	RKS	
TAG CES-GIV REMARK 1) PRO	NON SERVICE /-1 INTAKE <s: VIDE 24" INSULATED RC</s: 	-POWE	EREI HOOD /ELOCITY (FPM) 500	D RC THROA SIZE (' 8 DIA	OF V T CURB C SIZE (* 18x18	ENTIL DUCTEL S.P. (") 0.375	АТО н (") 8 ON S	RS S HOOD L (") 18 DIA	SCH w(") 18 DIA		ULE UFACTUI COOK PR	RERS	REMA 1	RKS	
TAG CES-GIV REMARK 1) PRO'	NON SERVICE /-1 INTAKE KS: VIDE 24" INSULATED RC STYLE	-POWE	EREI HOOD /ELOCITY (FPM) 500 ECTR HEATIN (OLTS E	DRC THROA SIZE (' 8 DIA RIC F	OOF V T CURB C SIZE (' 18x18	ENTIL AP DUCTEE S.P. (") 0.375 DIATI	ATO H (") 8 ON S ENCLO		SCH w(") 18 DIA EDU			FACTUR	REMA 1	RKS	

		AIR	COOL	ED C	OND	ENS	ING	UN	IT SO	CHE	DULE	
		NOMINAL	SUCTION	COOLING	HEATING			ELEC	TRICAL		MANUFACTURERS	
TAG	SERVICE	TONS	TEMP (F)	OAT (F)	OAT (F)	SEER	VOLTS	PH	MCA	MOCP	TRANE / MITSUBISHI	REMARKS
CES-CU-1	CES-AC-1	0.75	45	95	5	20.2	208 V	1	9 A	15 A	NTXSKH09A112AA	1, 2
REMAR	(S: VIDE WITH UNIT	MOUNTED D	ISCONNECT									

2) PROVIDE ALL ACCESSORIES FOR OPERATION DOWN TO -13°F.

ACOUSTIC LINED DUCTWORK (SIZE INDICATES INSIDE DUCT DIMENSIONS)

_ _ _ _

						F	IEA ⁻	ΤΡΙ	JMP	SCH	EDL	JLE								
	ASSOCIATED								CO	oling				HEATING	i	ELI	ECTRIC	AL	DESIGN BASIS	
	CONDENSING				OA	EXT	EAT	EAT	TOTAL	. (MBH)	SENSI	BLE (MBH)	EAT	TOTAL	(MBH)					
TAG	UNIT	UNIT STYLE	SERVICE	CFM (HIGH)	CFM	S.P.	DB	WB	RATED	ACTUAL	RATED	ACTUAL	DB	RATED	ACTUAL	VOLTS	PH	AMPS	TRANE / MISTUBISHI	REMARKS
CES-AC-1	CES-CU-1	CEILING CASSETTE	SECURITY OFFICE	335	15	0	80	67	9.0	8.8		7.7	70	11.0	5.8	208 V	1	1 A	NTXCKS09A112AA	1, 2, 3, 4
REMARK																				

PROVIDE WITH UNIT MOUNTED DISCONNECT, WALL MOUNTED WIRED CONTROLLER AND OUTSIDE AIR KIT.
 PROVIDE BACnet INTERFACE FOR CONNECTION TO BMS.
 PROVIDE INDOOR UNIT WITH AUXILIARY HEAT RELAY KIT TO ENABLE ZONE FINNED RADIATION AS SECOND STAGE OF HEATING.
 OUTDOOR UNIT SHALL SUPPLY POWER TO INDOOR UNIT.

VENTILATION SCHEDULE

				PEOPLE	AREA	DEFAU	LT VALUES		OU.	ISIDE AIRFLO	WS (CFM)		
ROOM	ROOM NUMBER	OCCUPANCY CATEGORY	AREA (SF)	OUTDOOR AIR RATE (CFM/PERSON)	OUTDOOR AIR RATE (CFM/SF)	DEFAULT DENSITY (#/1000 SF)	NUMBER OF OCCUPANTS	CODE MIN. PEOPLE	CODE MIN. AREA	CODE MIN. COMBINED	DIST. EFF.	ZONE OA MIN.	DESIGN
SECURITY	199D	OFFICE SPACE	80	5	0.06	5	1	5	5	10	0.8	13	15
		•		•								•	

PIP	PING LEGEND	VAL	VE LEGEND
/s	HOT WATER SUPPLY (BELOW 250°	၊ဝ၊	BALL VALVE
′R- — –	HOT WATER RETURN (BELOW 250° F)	нді	DRAIN VALVE WITH CAP
/s	CHILLED WATER SUPPLY	וה	BUTTERFLY VALVE
′R- — -	CHILLED WATER RETURN	N	CHECK VALVE
vs	HEAT PUMP WATER SUPPLY	И	TRIPLE DUTY VALVE
VR— —	HEAT PUMP WATER RETURN	X ₄	PRESSURE REDUCING VALVE
	REFRIGERANT LIQUID	ì	CALIBRATED BALANCING VALVE
6 ———	REFRIGERANT SUCTION		
G – — –	REFRIGERANT HOT GAS		
vs	DUAL TEMP WATER SUPPLY		
VR— —	DUAL TEMP WATER RETURN		
s <u> </u>	GLYCOL SUPPLY		
२ – — –	GLYCOL RETURN		
w	MAKE UP WATER		
) – – –	CONDENSATE DRAIN		
6 ———	CONDENSER WATER SUPPLY TO TOWER		
२ — — —	CONDENSER WATER RETURN FROM TOWER		

SPECIALTY LEGEND

Y-LINE STRAINER THERMOMETER

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(T)

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- PRESSURE GAUGE W/ NEEDLE VALVE
- THERMOSTAT (48" AFF)
- CARBON DIOXIDE SENSOR (48" AFF)
- DUCT MOUNTED SMOKE DETECTOR
- POINT OF DISCONNECTION CONNECT TO EXISTING

DRAWING NUMBER WHERE SECTION IS DRAWN DIRECTION OF VIEW SECTION INDICATION

DETAIL INDICATION

ENERGY CONSERVATION CODE COMPLIANCE STATEMENT:

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT THE PLANS AND SPECIFICATIONS COMPLY WITH THE LATEST EDITION OF THE ENERGY CONSERVATION CODE OF NEW YORK STATE.

DRAWING NUMBER WHERE

THE HVAC SYSTEM WAS DESIGNED IN ACCORDANCE WITH THE 2020 NEW YORK STATE ENERGY CONSERVATION CODE CHAPTER 4 (COMMERCIAL ENERGY EFFICIENCY), ACCEPTABLE PRACTICE FOR COMMERCIAL BUILDINGS METHOD. THE HEAT AND COOLING LOAD CALCULATIONS WERE PERFORMED IN ACCORDANCE WITH ASHRAE HANDBOOK OF FUNDAMENTALS CHAPTER 17 AND 18, AND APPROPRIATE EXTERIOR DESIGN ZONE CONDITIONS.

1 PROVIDE STRAIGHT SIDED INSULATED CURB (MIN. 24" HIGH), COVER, CAP AND CLAMPS AS MANUFACTURED BY PORTALS PLUS OR APPROVED EQUAL.

 $\langle 2 \rangle$ REFRIGERANT PIPE; QTY PER PLANS

 $\langle 4 \rangle$ ROOF FLASHING AND ROOF DECK

NOTE:

 $\langle 3 \rangle$ ELECTRICAL CONDUIT; QTY PER PLANS

IFresh Air Intakes And Air Relief VentsM0011/8" = 1'-0"

ABBREVIATION LEGEN

ABBREVIATION

DESCRIPTION

4	
ACC ACCU	AIR-COOLED CONDENSER AIR-COOLED CONDENSING UNT
AD AF	ACCESS DOOR AIR FILTER
AFF AFM	ABOVE FINISHED FLOOR
AHU AP	
3 3	
	BRITISH THERMAL UNITS PER HOUR
CC CCCT	COOLING COIL CLOSED CIRCUIT COOLER
CD CEF	CEILING DIFFUSER CEILING EXHAUST FAN
CFM CO	CUBIC FEET PER MINUTE CLEAN OUT
CONT	CONTINUED CEILING RETURN
	COOLING TOWER CABINET LINIT HEATER
D B	DECIRELS
DBT	DRY BULB TEMPERATURE
EA EAT	ENTERING AIR TEMPERATURE
EC EF	ELECTRICAL CONTRACTOR EXHAUST FAN
EFT EG	ENTERING FLUID TEMPERATURE EXHAUST GRILLE
EHC ER	ELECTRIC HEATING COIL EXHAUST REGISTER
ERC ERP	ENERGY RECOVERY COIL ELECTRIC RADIANT PANEL
ET EWT	EXPANSION TANK ENTERING WATER TEMPERATURE
EX	EXISTING
FCU	FAN COIL UNIT
=D/SD =E	
=L	
- MNI - T	FEET
GAL	GALLONS
GPM GR	GALLONS PER MINUTE GLYCOL SUPPLY
GRV GS	GRAVITY ROOF VENTILATION GLYCOL SUPPLY
H H	HUMIDIFIER
HC HGT	HEATING COIL HEIGHT
HP HP	
HX HX	HEAT EXCHANGER
N KW	INCH KILOWATT
- _AT	LEAVING AIR TEMPERATURE
_BS/HR _D	POUNDS PER HOUR LINEAR DIFFUSER
_FT _PC	LEAVING FLUID TEMPERATURE LOW PRESSURE CONDENSATE RETURN
_PS _SD	LOW PRESSURE STEAM (15 PSIG AND BELO LINEAR SLOT DIFFUSER
_WT M	LEAVING WATER TEMPERATURE
MAX MBH	MAXIMUM ONT THOUSAND BRITISH THERMAL UNITS P
MC	
MPC MPS	MEDIUM PRESSURE STEAM (16-59 PSIG)
N NIC	NOT IN CONTRACT
	NOMINAL
DA P	OUTSIDE AIR
PC	PUMP PUMPED CONDENSATE
PD PRV	PRESSURE DROP PRESSURE REDUCING VALVE OR POWER R
୨SIG ୧	POUND PER SQUARE INCH - GAUGE
RA RF	RETURN AIR RETURN FAN
२G २H	RETURN GRILLE REHEAT COIL
RM ROTV	ROOM ROTARY VENTILATOR
RPM	REVOLUTIONS PER MINUTE
RTU	ROOF-TOP UNIT
SA SA	
SF	SUPPLY FAN
SR T	SUPPLY REGISTER
ТО	TRANSFER OPENING
JNO	UNLESS NOTED OTHERWISE
VU V	
VA VAV	VENTILATION AIR VARIABLE AIR VOLUME
VD VFD	VOLUME DAMPER VARIABLE FREQUENCY DRIVE
VP VR	VACUUM PUMP VACUUM STEAM CONDENSATE RETURN
W WBT	WET BULB TEMPERATURE
WG WMS	WATER GAUGE WIRE MESH SCREEN
WPD	WATER PRESSURE DROP
$\langle \underline{1} \rangle$	
2	CAP FLASHING ROOF CURB MIN. 18" HIGH. ROOF CURB TO BE PROVIDED FOR INSTALLATION
2	CAP FLASHING ROOF CURB MIN. 18" HIGH. ROOF CURB TO BE PROVIDED FOR INSTALLATION ON SLOPED ROOF. COORDINATE WITH ARCHITECTURAL DRAWINGS.
$\langle 2 \rangle$	CAP FLASHING ROOF CURB MIN. 18" HIGH. ROOF CURB TO BE PROVIDED FOR INSTALLATION ON SLOPED ROOF. COORDINATE WITH ARCHITECTURAL DRAWINGS. INSULATED/THERMALLY BROKEN
(2) (3)	CAP FLASHING ROOF CURB MIN. 18" HIGH. ROOF CURB TO BE PROVIDED FOR INSTALLATION ON SLOPED ROOF. COORDINATE WITH ARCHITECTURAL DRAWINGS. INSULATED/THERMALLY BROKEN MOTORIZED DAMPER. TAMCO OR EQUAL.
$\langle 2 \rangle$ $\langle 3 \rangle$ $\langle 4 \rangle$	CAP FLASHING ROOF CURB MIN. 18" HIGH. ROOF CURB TO BE PROVIDED FOR INSTALLATION ON SLOPED ROOF. COORDINATE WITH ARCHITECTURAL DRAWINGS. INSULATED/THERMALLY BROKEN MOTORIZED DAMPER. TAMCO OR EQUAL. LAG TO CURB
$\begin{pmatrix} 2 \\ \\ 3 \\ \\ \\ 4 \\ \\ \\ 5 \\ \end{pmatrix}$	CAP FLASHING ROOF CURB MIN. 18" HIGH. ROOF CURB TO BE PROVIDED FOR INSTALLATION ON SLOPED ROOF. COORDINATE WITH ARCHITECTURAL DRAWINGS. INSULATED/THERMALLY BROKEN MOTORIZED DAMPER. TAMCO OR EQUAL. LAG TO CURB ROOF FLASHING
$\begin{pmatrix} 2 \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $	CAP FLASHING ROOF CURB MIN. 18" HIGH. ROOF CURB TO BE PROVIDED FOR INSTALLATION ON SLOPED ROOF. COORDINATE WITH ARCHITECTURAL DRAWINGS. INSULATED/THERMALLY BROKEN MOTORIZED DAMPER. TAMCO OR EQUAL. LAG TO CURB ROOF FLASHING ROOF
$\begin{array}{c} 2 \\ \hline 3 \\ \hline 4 \\ \hline 5 \\ \hline 6 \\ \hline 7 \\ \end{array}$	CAP FLASHING ROOF CURB MIN. 18" HIGH. ROOF CURB TO BE PROVIDED FOR INSTALLATION ON SLOPED ROOF. COORDINATE WITH ARCHITECTURAL DRAWINGS. INSULATED/THERMALLY BROKEN MOTORIZED DAMPER. TAMCO OR EQUAL. LAG TO CURB ROOF FLASHING ROOF
$\begin{pmatrix} 2 \\ \\ 3 \\ \\ \\ 4 \\ \\ 5 \\ \\ 6 \\ \\ 7 \\ \\ \hline \\ 7 \\ \\ \hline \\ \hline \\ 7 \\ \\ \hline \\ \hline$	CAP FLASHING ROOF CURB MIN. 18" HIGH. ROOF CURB TO BE PROVIDED FOR INSTALLATION ON SLOPED ROOF. COORDINATE WITH ARCHITECTURAL DRAWINGS. INSULATED/THERMALLY BROKEN MOTORIZED DAMPER. TAMCO OR EQUAL. LAG TO CURB ROOF FLASHING ROOF DUCT TO BE FULL SIZE OF CURB OPENING
$\begin{pmatrix} 2 \\ \\ 3 \\ \\ \\ 4 \\ \\ 5 \\ \\ 6 \\ \\ 7 \\ \\ \\ 8 \\ \\ \\ \\ 5 \\ \\ \hline \\ 6 \\ \\ 7 \\ \\ \\ 8 \\ \\ \\ \hline \\ \\ \end{array}$	CAP FLASHING ROOF CURB MIN. 18" HIGH. ROOF CURB TO BE PROVIDED FOR INSTALLATION ON SLOPED ROOF. COORDINATE WITH ARCHITECTURAL DRAWINGS. INSULATED/THERMALLY BROKEN MOTORIZED DAMPER. TAMCO OR EQUAL. LAG TO CURB ROOF FLASHING ROOF DUCT TO BE FULL SIZE OF CURB OPENING BIRD SCREEN

6	ROOF
$\langle 7 \rangle$	DUCT TO BE FULL SIZE OF CURB OPENING
8	BIRD SCREEN
(9)	HOOD
(10)	12" BASE ON INTAKES
(11)	FLANGED CONNECTION
(12)	DUCT INSULATION
(13)	SEE PLAN FOR DUCT SIZE AND CONTINUATION

ND	40 Beaver St. · Albany · New York 12207-1511 518 · 463 · 8068 www.csarchpc.com
	Consultant Greenman-Pedersen, Inc. 80 Wolf Road, Suite 600 Albany, NY 12205 518.453.9431 J GPINET.COM
OW) PER HOUR N ROOF VENTILATOR	Pointine CITY SCHOOL DISTRICT OF NEW ROCHELLE COLUMBUS ELEMENTARY SCHOOL 2023 CAPITAL PROJECTS - PHASE 2
	EXP:11/30/2025
	Image: PM Image: PM
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ABBREVIAT AMPERE(S) ALTERNATING CURRENT JUNCTION JUNCTION BOX А A AMPERE(S) AC ALTERNATING CURRENT ACC AIR COOLED CONDENSING UNIT AFF ABOVE FINISHED FLOOR AFG ABOVE FINISHED GRADE AIC AMPERE INTERRUPTING CAPACITY ASD ADJUSTABLE SPEED DRIVE ATS AUTOMATIC TRANSFER SWITCH AUTO AUTOMATIC AUX AUXILIARY AWG AMERICAN WIRE GAUGE JB KCMIL THOUSAND CIRC KVA KILOVOLT-AMPE KW KILOWATT(S) LTG LIGHTING LT(S) LIGHT(S) MAX MAXIMUM MC METAL CLAD MCB MAIN CIRCUIT BF MCM THOUSAND CIRC MECH MECHANICAL MFR MANUFACTUREF MIN MINIMUM MLO MAIN LUGS ONL' MT MOUNT MTD MOUNTED B BOILER BKR BREAKER BLDG BUILDING CONDUIT С C CONDUIT CB CIRCUIT BREAKER CCT CIRCUIT CKT CIRCUIT CLG CEILING COL COLUMN COMB COMBINATION CU CONDENSING UNIT NORTH, NEUTRA NOTIFICATION A N NAC NC NEC NF NORMALLY CLO NATIONAL ELEC DELTA CONNECTION DEEP DIAMETER DOWN DISTRIBUTION PANEL NON-FUSED NOT IN CONTRA Δ NIC NOT IN CONTRA NO NORMALLY OPE NTS NOT TO SCALE DIA DIAMETER DN DOWN DP DISTRIBUTIO DWG DRAWING OH OVERHEAD OHD OVERHEAD DOC OL OVERLOAD OO ON-OFF EAST EACH ELECTRICAL CONTRACTOR Е E EAST EA EACH EC ELECTRICAL CONTRACTOR EF EXHAUST FAN ELEC ELECTRIC(AL) ELU EMERGENCY LIGHTING UNIT PANEL, POLE(S) PULL BOX, PUSH POWER FACTOR Р PB PH, Ø PHASE PL PILOT LIGHT POWER POLE PAIR POLY EM, EMER. EMERGENCY EMI, EMIER. EMERGENCY EMT ELECTRICAL METALLIC TUBING EQUIP EQUIPMENT EWC ELECTRIC WATER COOLER EWH ELECTRIC WALL HEATER EXIST EXISTING PL PILOT LIGHT PP POWER POLE PR PAIR PVC POLYVINYL CHL REC RECEPTACLE F FUSE(D) RECEPT RECEPTACLE RP REFRIGERATION F FUSE(D) FA FIRE ALARM FACP FIRE ALARM CONTROL PANEL FC FAN COIL UNIT FIXT FIXTURE FLEX FLEXIBLE FLR FLOOR FLUOR FLUORESCENT FS FOOD SERVICE FURN FURNISH(ED) FUT FUTURE RGS RIGID GALVANIZ RM ROOM RTH RADIANT TUBE F RTU ROOF TOP UNIT S SOUTH SCHED SCHEDULE SCP SECURITY CONT SEC SECONDARY SFL SUB-FEED LUGS SPC SPACE SPKR SPEAKER SPR SPARE SS START-STOP SW SWITCH GROUND GENERAL CONTRACTOR GC GENERAL CONTRACTOR GEC GROUNDING ELECTRODE CONDUCTOR GFI GROUND FAULT INTERRUPTER GND GROUND TCP TEMPERATURE HIGH Н HIGH INTENSITY DISCHARGE TELEPHONE TIME SWITCH HID HID HIGH INTENSITY DISCHARGE HO HIGH OUTPUT HOA HAND-AUTO-OFF HP HORSEPOWER HPS HIGH PRESSURE SODIUM HTR HEATER TS T-STAT THERMOSTAT TTB TELECOMM. TE ΤV TELEVISION TVSS TRANSIENT VOL TYP TYPICAL IG ISOLATED GROUND I/L INTERLOCK

LIGHTING FIXTURES FIXTURE IDENTIFICATION $\underbrace{A1}_{a} \longleftarrow \begin{array}{c} \mathsf{FIXTURE TYPE INDICATED} \\ \mathsf{ADJACENT TO OR NEAR FIXTURE} \end{array}$ aĸ SYMBOL SWITCH/ CONTROL DESIGNATION LIGHTING FIXTURES □ WALL MOUNTED LIGHTING FIXTURE RECESSED SQUARE LIGHT FIXTURE 2'X2' SURFACE/RECESSED FIXTURE 2'X4' SURFACE/RECESSED FIXTURE L_____ 1'X4' SURFACE/RECESSED FIXTURE 4' STRIP LIGHT --------RECESSED DOWNLIGHT EMERGENCY LIGHTING UNIT BATTERY EMERGENCY LIGHTING UNIT (SURFACE WALL MOUNT) BATTERY EMERGENCY LIGHTING UNIT (RECESSED CEILING MOUNT) <u>EXIT SIGNS</u> COMBO EXIT SIGN & EMERGENCY LIGHTING UNIT $\overline{\otimes}$ EXIT SIGN (SINGLE-FACE, ARROW(S) AS INDICATED) EXIT SIGN (DUAL-FACE, ARROW(S) AS INDICATED)

ABBREV	/IATIONS	RACEWAY SYSTEMS	DEVICES AND OUTLETS	POWER DISTRIBUTION EQUIPMENT	ELECTRICAL DRAWING LIST
J JUNCTION JB JUNCTION KCMIL THOUSAN KVA KILOVOL KW KILOWAT VE SWITCH LTG LIGHTING LT(S) LIGHT(S) MAX MAXIMUN MC METAL CI MCB MAIN CIR MCM THOUSAN MECH MECHANI MFR MANUFAC MIN MINIMUM MLO MAIN LUC MT MOUNTEN MTD MOUNTEN NAC NOTIFICA NC NORMALI NEC NATIONA NF NON-FUS NIC NOT IN C NO NORMALI NEC NATIONA NF NON-FUS NIC NOT IN C NO NORMALI NTS NOT TO S OH OVERHEA OL OVERLOA OO ON-OFF DR P PANEL, P PB PULL BO2 DR P PANEL, P PB PULL BO2 PH, Ø PHASE PL PILOT LIC PP POWER F PR PAIR PC POLYVIN	NN U/C UNDER CABINET ND CIRCULAR MILS UG UNDERGROUND T-AMPERE UV UNIT VENTILATOR TT(S) V VOLT(S) G VA VOLT-AMPERE(S) N W WATT, WEST, WIRE M W/W WITH LAD WCR WITHSTAND CURRENT RATING ROLIZULAR MILS WP WEATHERPROOF IICAL XP EXPLOSION PROOF CTURER XFMR TRANSFORMER M XP EXPLOSION PROOF IICAL XP EXPLOSION PROOF GS ONLY Y WYE CONNECTION ED Y WYE CONNECTION NEUTRAL ATION APPLIANCE CIRCUIT Y ATION APPLIANCE CIRCUIT Y WYE CONNECTION ED Y WYE CONNECTION SCALE AD AD POLE(S) XX, PUSHBUTTON FACTOR GHT POLE IYL CHLORIDE ACLE ACLE ACLE	CONDUIT OR CABLE AS SPECIFIED CONDUIT OR CABLE TURNING UP CONDUIT OR CABLE TURNING DOWN CONDUIT STUB (REAMED AND BUSHED) CONNECTION TO EQUIPMENT CONDUIT CUT P/1.2.3 HOMERUN TO PANELBOARD (PANEL AND CIRCUITS INDICATED) UGC UNDERGROUND CABLE TV LINE UGFO UNDERGROUND FIBER OPTIC LINE UGP UNDERGROUND FIBER OPTIC LINE UGP UNDERGROUND PRIMARY LINE UGS UNDERGROUND SECONDARY LINE UGT UNDERGROUND TELECOMMUNICATIONS LINE JUNCTION BOX BLANK OUTLET	G ↓ NOTE: • "G" = INDICATES GROUND FAULT CIRCUIT INTERRUPTER TYPE • "U" = INDICATES USB TYPE RECEPTACLE • "U" = INDICATES 0" ABOVE BACKSPLASH OF COUNTER/OR SINK (VERTICALLY) (OR 6" ABOVE COUNTER/OR SINK (VERTICALLY) (OR 6" ABOVE SIMPLEX RECEPTACLE - (18" AFF) O DUBLEX RECEPTACLE - (18" AFF) QUADRUPLEX RECEPTACLE (FLOOR) O UADRUPLEX RECEPTACLE (FLOOR) O UPLEX RECEPTACLE (CEILING) ABOVE SYMBOLS MAY BE COMBINED FOR VARIOUS APPLICATIONS	□ISTRIBUTION PANEL 277/480V,3Ø,4W □ISTRIBUTION PANEL 120/208V,3Ø,4W □ISTRIBUTION PANEL □ISTRIBUTION PANEL 120/208V,3Ø,4W □ISTRIBUTION PANEL □ISURGE SUPPRESSOR □ISTRIBUTION PANEL ■ISTRIBUTION PANEL ■ISTRIBUTION PANEL ■ISTRIBUTION PANEL	E001ELECTRICAL LEGEND AND ABBREVIATIONSE002SITE ELECTRICAL PLANE0101FIRST FLOOR ELECTRICAL REMOVALS PLANE101FIRST FLOOR LIGHTING AND SYSTEMS PLANE102FIRST FLOOR POWER AND TELECOM PLAN
ANEL RGS RIGID GA RMEL RGS RIGID GA RM ROOM RTH RADIANT RTU ROOF TO	ACLE ERATION POWER ALVANIZED STEEL CONDUIT I TUBE HEATER DP UNIT	NOTE - LINES MAY BE SHOWN CURVED OR STRAIGHT.	T THERMOSTAT - (60" AFF) R RELAY	MOTORS, EQUIPMENT& CONTROLS	MISCELLANEOUS EQUIPMENT
S SOUTH SCHED SCHEDUL SCP SECURIT SEC SECOND/ SFL SUB-FEEI SPC SPACE SPKR SPEAKEF SPK SPEAKEF SS START-S' SW SWITCH TCP TEMPER/ TEL TELEPHC TS TIME SWI T-STAT THERMOS TTB TELECOM TV TELEVISI TVS TRANSIEI TYP TYPICAL	LE TY CONTROL PANEL DARY ED LUGS R STOP ATURE CONTROL PANEL ONE ATURE CONTROL PANEL ONE MM. TERMINAL BOARD ION ENT VOLTAGE SURGE SUPPRESSER	 CONNECT EACH LIGHTING FIXTURE, SWITCH, RECEPTACLE, MOTOR, AND OTHER ITEM REQUIRING ELECTRICAL CONNECTIONS TO PANELBOARD AND CIRCUIT(S) INDICATED. HOMERUNS AND CONNECTIONS BETWEEN ITEMS MAY OR MAY NOT BE SHOWN. P-XXX INDICATES ALL ELECTRICAL ITEMS IN RESPECTIVE ROOM TO BE CONNECTED TO THE DESIGNATED PANELBOARD, UNLESS INDICATED OTHERWISE. NUMBER(S) SHOWN ADJACENT TO ELECTRICAL SYMBOLS GENERALLY INDICATE RESPECTIVE CIRCUIT NUMBER(S). CONFIRM CORRECT CIRCUITING BY CORRELATING THE FLOOR PLANS WITH THE PANELBOARD SCHEDULES. 	Image: Imag	Image: Motor starterImage: Motor sta	DOOR OPERATOR DOOR OPERATOR PUSH PLATE - (48" AFF)
FIXTURES	LIGHTING CONTROLS	TELECOMMUNICATIONS	SECURITY SYSTEMS	FIRE ALARM SYSTEM	NOTES TO ELECTRICAL SYMBOLS
ICATION E INDICATED D OR NEAR FIXTURE ITROL DESIGNATION CES TED LIGHTING FIXTURE QUARE LIGHT FIXTURE CUARE LIGHT FIXTURE E/RECESSED FIXTURE E/RECESSED FIXTURE IT OWNLIGHT IT NOWNLIGHT ACCESSED FIXTURE IT REENCY LIGHTING UNIT L MOUNT) RGENCY LIGHTING UNIT LING MOUNT)	LINE VOLTAGE \$ SWITCH, 1-POLE - (48" AFF) \$2 SWITCH, 2-POLE - (48" AFF) \$3 SWITCH, 3-WAY - (48" AFF) \$4 SWITCH, 4-WAY - (48" AFF) SUDER CASE LETTERS INDICATE CONTROL D = DIMMER K = KEY OPERATED SWITCH LV = LOW VOLTAGE M = MANUAL MOTOR STARTER \$ PILOT LIGHT WALL SWITCH \$ OCCUPANCY SENSOR WALL SWITCH \$ D OCCUPANCY SENSOR WALL SWITCH \$ D OCCUPANCY SENSOR WALL SWITCH WITH \$ D OCCUPANCY SENSOR CELL \$ W COLTAGE \$ LIGHTING CONTROL PANEL \$ D OCCUPANCY SENSOR - CEILING MOUNTED \$ OCCUPANCY SENSOR - CEILING MOUNTED \$ ON-OFF SWITCH (X = QUANTITY, IF MORE THAN ONE; D = 0-10V DIMMING) \$ D AYLIGHTING CONTROL PHOTOCELL \$ X0 ON-OFF SWITCH (X = QUANTITY OF SWITCHES, IF MORE THAN ONE) \$ X0 ON-OFF-RAISE-LOWER DIMMING SWITCH (X = QUANTITY OF CIRCUITS, IF MORE THAN ONE;	NOTE: • "W" INDICATES WALL MOUNTED AT 48"AFF • DOT INDICATES & ABOVE BACKSPLASH OF • OUNTER/OR SINK (VERTICALLY) (OR 6" ABOVE COUNTER/OR SINK WHEN NO BACKSPLASH EXISTS) WR TELECOMM. WIRING RACK Image: Telecomm. WIRING RACK Image: Telecomm. OUTLET- WALL (VOICE, DATA, AND OR CABLE) - (18" AFF) Image: Telecomm. OUTLET- FLOOR BOX (VOICE, DATA, AND OR CABLE) Image: Telecomm. OUTLET- Celling (VOICE, DATA, AND OR CABLE) Image: Telecomm. OUTLET - Celling (VOICE, DATA, AND OR CABLE) Image: Telecomm. OUTLET - Celling (VOICE, DATA, AND OR CABLE) Image: Telecomm. OUTLET - Celling (VOICE, DATA, AND OR CABLE) Image: WWW WALL TELEPHONE OUTLET - (48" AFF) Image: WWP WIRELESS ACCESS POINT Image: PUBLIC ADDRESS SYSTEM EQUIPMENT RACK Image: Sepaker Image: Sepaker	DAY AUTOMATION SECURITY SYSTEM CABINET SKP SECURITY KEYPAD CC VIDEO SURVEILLANCE CAMERA IL ELECTRIC DOOR LOCK CR CREDENTIAL READER REX REQUEST TO EXIT DEVICE ID LOCKDOWN PUSH BUTTON STATION - (48°AFF) ILD LOCKDOWN PUSH BUTTON STATION - (48°AFF) ID INTERCOM/VIDEO MONITOR MASTER STATION INTERCOM/VIDEO CAMERA ENTRY STATION INTERCOM/VIDEO CAMERA ENTRY STATION EMERGENCY TELEPHONE SYSTEM ETM EMERGENCY TELEPHONE MASTER STATION ETM EMERGENCY TELEPHONE HEADSET CABINET	FAAFIRE ALARM ANNUNCIATORFACPFIRE ALARM CONTROL PANELFAPSFIRE ALARM POWER SUPPLYFFIRE ALARM MANUAL STATION - (48" AFF) $\stackrel{\vee}{F}$ $\stackrel{\vee}{F}$ $\stackrel{\vee}{F}$ FIRE ALARM MANUAL STATION - (48" AFF) $\stackrel{\vee}{F}$ $\stackrel{\vee}{F}$ $\stackrel{\vee}{F}$ FIRE ALARM MORN/STROBE (WALL/CEILING MOUNT) $\stackrel{\vee}{F}$ $\stackrel{\vee}{F}$ $\stackrel{\vee}{F}$ FIRE ALARM HORN/STROBE (WALL/CEILING MOUNT) $\stackrel{\vee}{H}$ HEAT DETECTOR (ADDRESSABLE TYPE) $\stackrel{\otimes}{S}$ AREA TYPE SMOKE DETECTOR $\stackrel{\vee}{S}$ AREA TYPE SMOKE DETECTOR $\stackrel{\vee}{G}$ DUCT TYPE SMOKE DETECTOR $\stackrel{\vee}{G}$ LINEAR BEAM SMOKE DETECTOR $\stackrel{\vee}{T,R}$ LINEAR BEAM SMOKE DETECTOR $\stackrel{\vee}{T,R}$ LINEAR BEAM SMOKE DETECTOR $\stackrel{\vee}{T,R}$ FIRE ALARM RELAY MODULE $\stackrel{\vee}{R}$ FIRE ALARM RELAY MODULE $\stackrel{\vee}{R}$ FIRE ALARM RELAY MODULE $\stackrel{\vee}{R}$ SMOKE DAMPER $\stackrel{\boxtimes}{SMOKE DAMPER$ SMOKE HATCH $\stackrel{\otimes}{O}$ CARBON MONOXIDE DETECTOR W/ $\stackrel{\vee}{NTEGRAL HEAT DETECTORW/$	 ALL ABBREVIATIONS AND SYMBOLS MAY OR MAY NOT BE USED. <u>MOUNTING HEIGHTS:</u> FOR ALL WALL MOUNTED DEVICES, ETC., LOCATE CENTERLINE OF DEVICE VERTICALLY AT INDICATED MOUNTING HEIGHT (E.G. 18" AFF) AND IN ACCORDANCE WITH THE NOTES BELOW, UNLESS INDICATED OTHERWISE. MOUNTING HEIGHTS (E.G. 42") INDICATED ADJACENT TO SYMBOLS ON PLANS, AND MOUNTING HEIGHTS SHOWN ON ELEVATIONS OR DETAILS OR BY NOTES TAKE PRECEDENCE OVER STANDARD MOUNTING HEIGHTS. <u>ELECTRICAL DEVICE PLACEMENT</u>: WHERE MULTIPLE ELECTRICAL DEVICE PLACEMENT: WHERE MULTIPLE ELECTRICAL DEVICES (E.G. SWITCHES, RECEPTACLES, CLOCKS, FIR ALARM DEVICES, EXIT SIGNS, TELECOMMUNICATION OUTLETS, ETC.) ARE SHOWN NEAR EACH OTHER, ORGANIZE EXACT LOCATIONS IN GROUPS WHICH ALIGN ON COMMON HORIZONTAL AND VERTICAL CENTER LINES. <u>WIRING DEVICE GANGING</u>: WHERE ADJACENT WIRING DEVICES ARE INDICATED, GROUP ALL SUCH DEVICES WITH A COMMON MULTI-GANG COVERPLATE UNLESS INDICATED OTHERWISE. <u>INDIVIDUAL CIRCUIT BREAKERS, SAFETY SWITCHES, STARTERS, AND THE LIKE</u>: WHEREVER PRACTICABLE, MOUNT WITH CENTER LINE OF ENCLOSURE AT 60" AFF, BUT ADJUST AS NECESSARY SO THAT TOP OF ENCLOSURE IS AT MAXIMUM 72" AFF. <u>EMERGENCY LIGHTING UNITS</u>: MOUNT AT 96" AFF TO CENTER LINE OF UNIT, OR WITH TOP OF UNIT AT 6" BELOW CEILING LINE, WHICHEVER IS LESS. <u>EXIT SIGNS</u>: WHERE LOCATED ABOVE DOOR, CENTER FIX SIGN VERTICALLY BETWEEN TOP OF DOOR FRAME AND CEILING LINE, BUT AT MAXIMUM 96" AFF TO CENTER LINE. USE SAME MOUNTING HEIGHT FOR EXIT SIGNS IN VICINITY BUT NOT LOCATED ABOVE DOOR. <u>FIRE ALARM NOTIFICATION APPLIANCES</u>; (E.G. HORNISTROBES, STROBES, ETC.), MOUNT AT 80" AFF TO CENTER LINE. USE SAME MOUNTING HEIGHT FOR EXIT SIGNS IN VICINITY BUT NOT LOCATED ABOVE DOOR. <u>FIRE ALARM NOTIFICATION APPLIANCES</u>; (E.G. HORNISTROBES, STROBES, ETC.), MOUNT AT 80" AFF TO CENTER LINE OF UNIT, OR WITH TOP OF DEVICE AT 6" BELOW CEILING LINE, WHICHEVER IS LESS.
GN & EMERGENCY LIGHTING UNIT ARROW(S) AS INDICATED) ROW(S) AS INDICATED)	DE 0-10V DIMINING) <u>ITEMS CONTROLLED</u> LOWER CASE LETTERS ARE USED TO CORROLATE CONTROL DEVICES TO RESPECTIVE FIXTURES CONTROLLED.	VOLUME CONTROL CLOCK SYSTEM MC MASTER CLOCK ©B BATTERY CLOCK ©C CLOCK (SECONDARY OR 120V) SC COMBINATION CLOCK & SPEAKER		SOUNDER BASE CARBON MONOXIDE STROBE (CEILING/WALL MOUNT) FS FLOW SWITCH TS TAMPER SWITCH PS PRESSURE SWITCH RS ROLLING COUNTER SMOKE SHUTTER Image: OCS ROLLING SHUTTER OPEN-CLOSE-STOP CONTROL STATION	OTHERWISE. 10. <u>DASHED DARK/BLACK LINES</u> : INDICATE EXISTING ELECTRICAL ITEMS TO BE REMOVED, UNLESS INDICATED OTHERWISE. 11. <u>SOLID DARK/BLACK LINES</u> : INDICATE NEW ELECTRICAL WORK, UNLESS INDICATED OTHERWISE.

r. so E F F F C	SOFE: LELETION BENERAL SCOPE OF ELECTRIG SUT DOES NOT SHOW ALL ELE PROVIDE ALL ELECTRICAL DIS REMOVALS WORK INDICATED REQUIRED BY THE SPECIFICA REASONABLY REQUIRED FOR COMPLETION.
B. <u>L</u> I	<u>IGHT/GRAY LINES</u> : INDICATE I TEMS TO REMAIN, UNLESS INI
C. <u>E</u> I U L C L	BLACK/DASHED LINES: REMOV TEMS SHOWN WITH BLACK D/ NDICATED OTHERWISE. REM VIRING AND ALL WIRING WHIC ONGER BE IN USE. REMOVE CONDUITS, BOXES, STRAPS, E ONGER BE IN USE.
D. <u>"</u> I L	<u>RX"</u> : INDICATES RELOCATE E TEM. SEE DRAWING E101 FOR OCATION.
E. EC C F S S	EXISTING BRANCH CIRCUITS E GENERALLY RETAIN EXISTING CIRCUITS BEING DISCONNECT REQUIRED ELECTRICAL REMO SAME PER DWGS. E101, E102 / NY SUCH DISCONNECTED EX BEING REUSED, REMOVE COM BOURCE.
KEY	ED NOTES
$\langle 1 \rangle$	EXISTING 120/208V, 3Ø, 4W P
$\langle 2 \rangle$	RETAIN EXISTING EXISTING 1 CIRCUIT FOR REUSE PER DW
3	EXISTING COLD CATHODE CO REMAIN.
$\langle 4 \rangle$	RETAIN EXISTING 120V CANC FOR REUSE PER DWG. E101.
$\left< 5 \right>$	RETAIN EXISTING VESTIBULE REUSE PER DWG. E101.

GENERAL NOTES

A. SCOPE: ELECTRICAL REMOVALS PLAN INDICATES ICAL REMOVALS WORK, ELEMENTS OF SAME. ED ON DRAWINGS, CATIONS, AND THAT ARE R SUCCESSFUL PROJECT

> E EXISTING ELECTRICAL NDICATED OTHERWISE. MOVE ALL ELECTRICAL K DASHED LINES UNLESS REMOVE ALL ASSOCIATED HICH IS OR WILL NO /E ALL EXISTING , ETC. WHICH WILL NO

t di

40 I 518

E EXISTING ELECTRICAL FOR CORRESPONDING NEW

TS DISCONNECTED: ING 120V AND 208V BRANCH ECTED AS PART OF MOVALS WORK. REUSE 102 AND AS REQUIRED. FOR DEXISTING CIRCUITS NOT COMPLETE BACK TO

PANELBOARD TO REMAIN. G 120V VESTIBULE CABINET DWG. E102. COVE LIGHTING TO

NOPY LIGHTING CIRCUIT LE LIGHTING CIRCUIT FOR 6 RETAIN EXISTING 120V MAIN OFFICE RECEPTACLE CIRCUITS FOR REUSE PER DWG. E102.

7 RETAIN EXISTING 120V SECURITY DESK RECEPTACLE CIRCUITS FOR REUSE PER DWG. E102. 8 RETAIN EXISTING 120V CAFETERIA RECEPTACLE CIRCUITS FOR REUSE PER DWG. E102.

ED101 CONSTRUCTION DOCUMENTS

