NO.	ISSUANCE	DATE	REVISION
1	S.E.D. SUBMISSION	1/26/2022	
2	ISSUED FOR BID	04/05/2022	

LIST OF DRAWINGS

ARCHITECTURAL

CHA 01

CATION MAP. ABBREVIATIONS, LEGENDS, GENERAL, NOTES, GENERAL WINDOW

NOTES & CENERAL REMOVAL NOTES

CHA A7-10

IECHANICAL/PLUMBING
CHA MO01 ABBREVIATIONS AND SYMBOLS
CHA PO01 ABBREVIATIONS AND SYMBOLS
CHA PO01 ABBREVIATIONS AND SYMBOLS
CHA MPD-109 PARTIAL GROUND FLOOR PLANS - DEMOLITION
CHA MP-101 PARTIAL GROUND FLOOR PLANS - NEW WORK
CHA MP-300 DETAILS AND SCHEDULES
CHA MP-300 CONTROL SCHEMATICS

LECTRICAL

CHA E-501

CHA E-010

ABBREVIATIONS AND SYMBOLS

CHA E-100

PARTIAL GROWN CHOOP FLANS- DEMOLITION

CHA E-100

PARTIAL GROWN CHOOP FLANS- NEW WORK - LIGHTING, PARTIAL BASEMENT PLAN
NEW WORK

CHA E-101

CHA E-101

CHA E-500

CHA E-



One Larkin Center, Yonkers, New York 10701

FIRE RESTORATIONS CROSS HILL ACADEMY



PROJECT LOCATION MAP

CROSS HILL ACADEMY



YONKERS PUBLIC SCHOOLS

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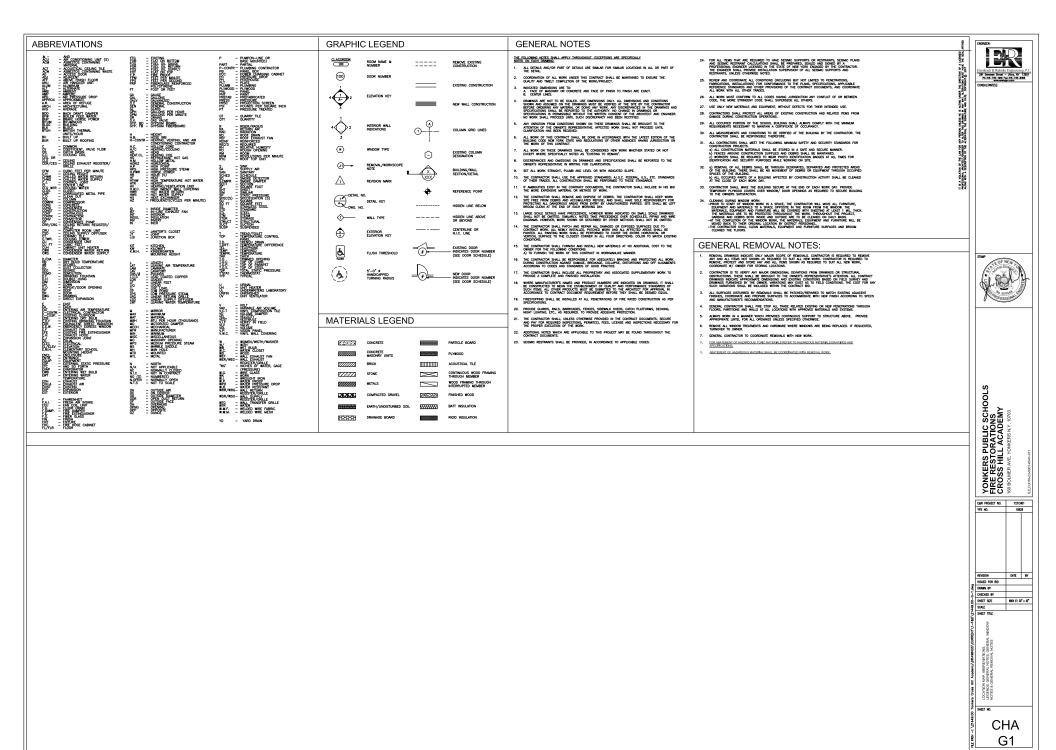
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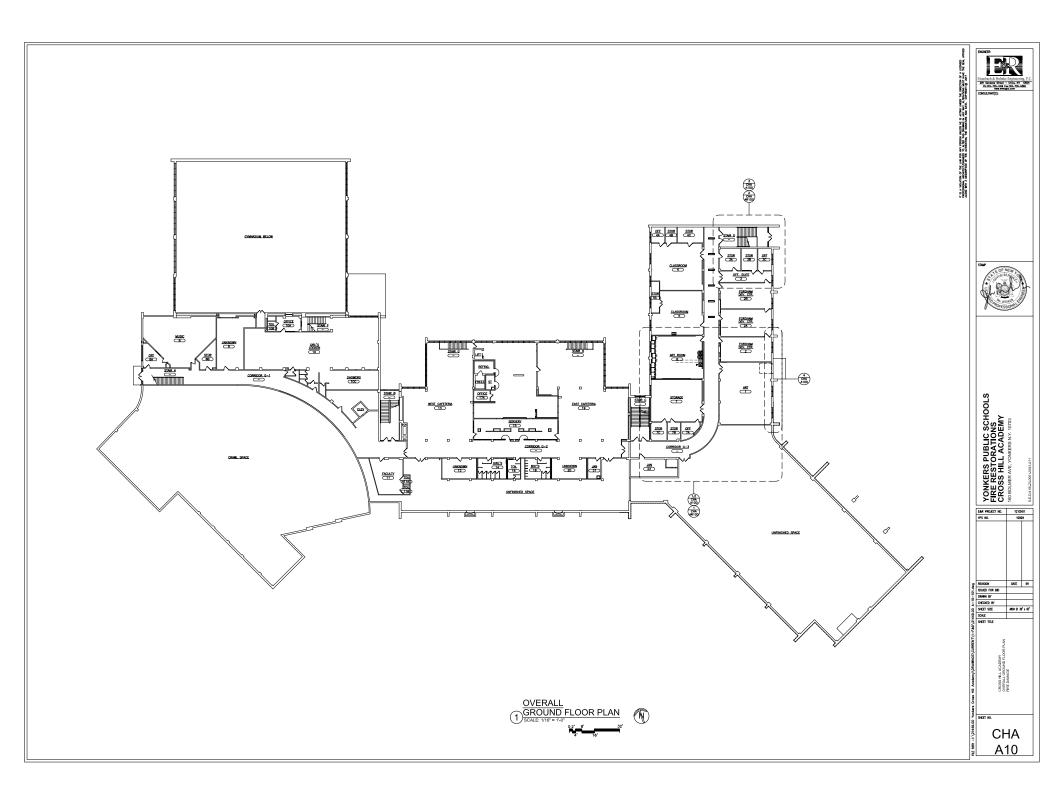
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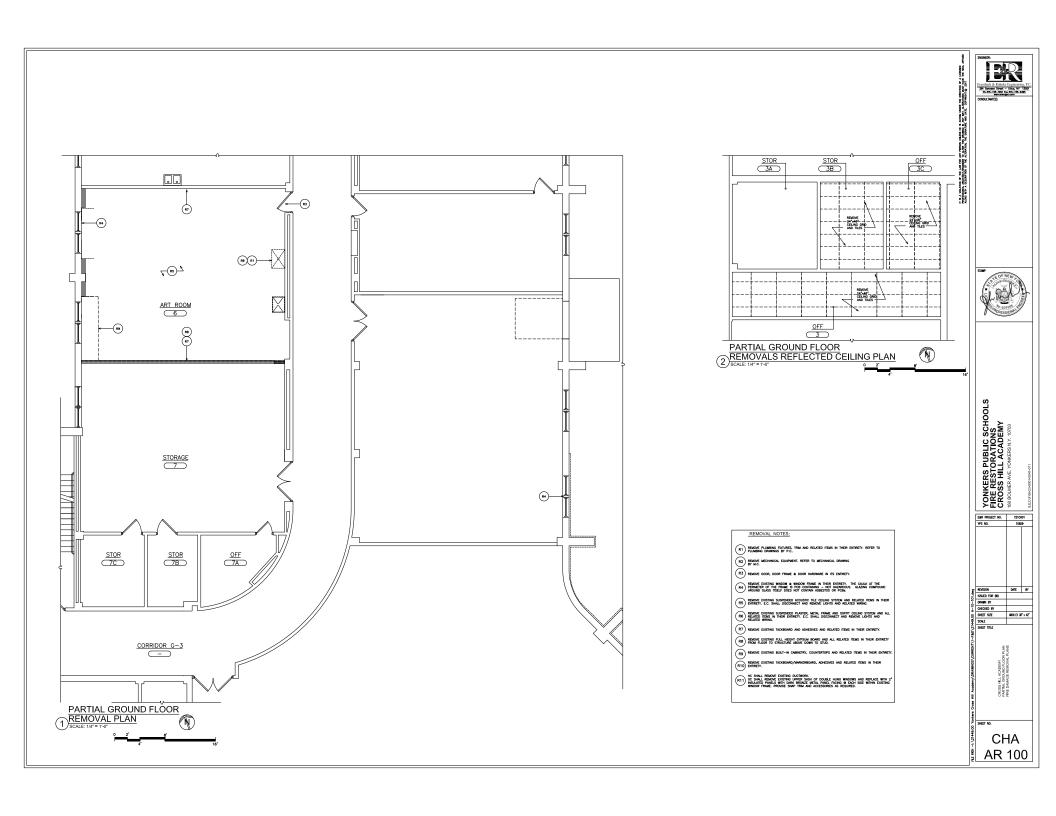
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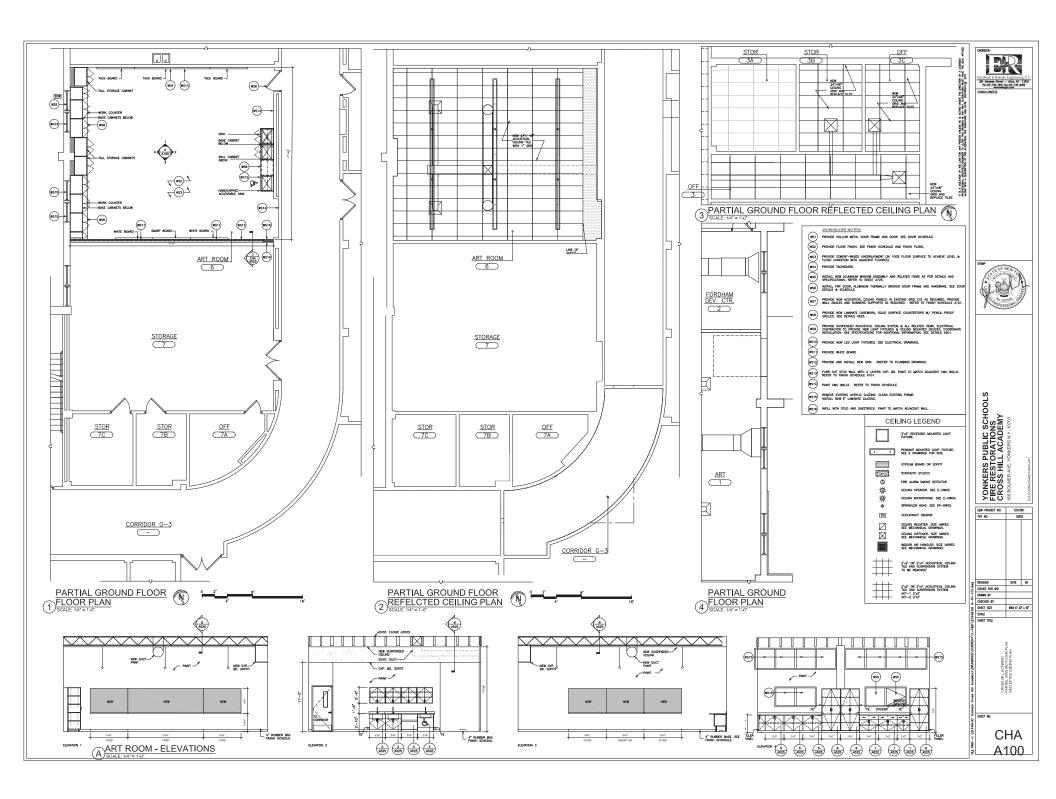
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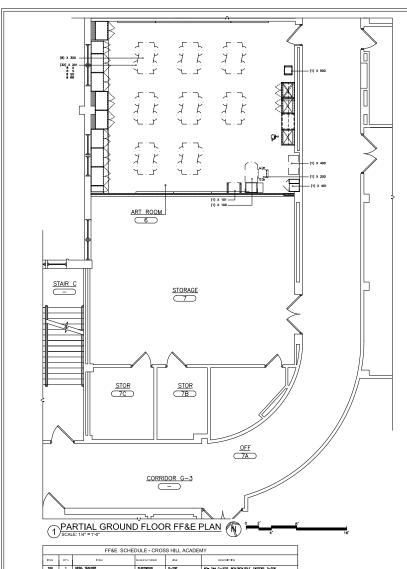
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RICO, LEVEL UNE DESIGNATION RN.No. FLOOR BASE WALL! WALL2 WALL3 WALL4 CLO. 1000 F000 CONT. CONT. TITM CASEMONY. OI ART ROOM 6 1000 CT - P-7	
BLUCK LEVEL LINE DESERVATION MAKE, FLUCK (MAKE) WALLS WALLS WALLS WALLS WALLS COMPANY CAMPAINS TO THE DESERVATION OF THE PROPERTY OF THE PROPE	
01 ARI ROUM 6 VCI-2 CI-1 P-2 P-2 P-2 P-2 P-7 - P-7	
02 STORAGE 7 - P-7	

	l '	LESC IDEALS	TLEE: MOCO	0-10-	LAMINATEA EDGE: FUSION MAPLE / FRAME: SILVER PAINT
101	1	DESK, MOBILE PCOLUM		C-LEG	27w 20d ADJ. HT LEGS 29-42, LOCKABLE SOFT CASTERS LAMINATE & EDGE: FUSION MAPLE / FRAME: SLYER PAINT
200	1	CHAIR, TEACHER	EUROTECH	APOLLO	FABRIC: BLACK / MESH: BLACK / SOFT CASTERS / BASE: BLACK
201	32	STOOL, STUDENT	ARTCOBELL	ALPHRET	14h, FELT GLIDES FRAME: THROUGH FRANTICE: 8 AFFLE GREEN 8 SUMSH SUMSH 8 SUMSH SHANDE 8 RUPP RED
300	•	TABLE, STUDENT	FLEETWOOD	WAYE	60w 30d ADJ. HT I-LEDS, LOCKABLE SOFT CASTERS LAMINATE & EDGE: PUSION MAPLE / FRAME: SLVER PAINT
400	1	STORAGE CABINET, TEACHER WARDROBE	FLEETWOOD	DESIGNER COLLECTION WARDROBE	24w 20d 68h, DOORS, SOFT CASTERS LAMINATE & EDGE FUSION MAPLE / FRAME SLIVER PAINT
401	1	STORAGE, PRINTER CART	FLEETWOOD	COMMON STORAGE - 3-0 PRINTER CART	36w 204 36h DOORS, SOFT CASTERS LAMINATE & EDGE: FUSION MAPLE / FRAME: SLVER PAINT

CODE COMPLIANCE NOTES:

1. IN ORDER TO MEET THE NEEDS OF PERSONS WITH DISABILITIES, WHEN APPLICABLE ALL ITEMS SHALL COMPLY WITH THE CURRENT ICC-ALITY-09

17 Fe 14 Fd 38h, 25 SHELVES, CASTERS

ACCESSIBLE KNEE CLEARANCE SHALL BE A HINDRUM OF: 30° VIDE, 27° HIGH (24° CHILD), AND 19° DEEP.

 THE STITES' SHALL INCLUDE, BUT ARE NOT LIMITED TO FIXTURES, FURNISHINGS, EQUIPMENT, VORKSTATIONS CINCLUDING BUILT-INS), SHOP COMPMENT, ETC.

4. BELIVERY, INSTALLATION, PACKAGE REMOVAL AND PROTECTION OF THE FFME IS THE RESPONSIBILITY OF THE PROVIDER OF THAT ITEM.

			FINISH & COLOR SCH	EDULE LEGEND	
LEGEND	see	MANUFACTURER	SERIES / MODEL NO. / COLOR	DESCRIPTION	LOCATION / REMARKS
P-1	-	BENJANIN NOORE	L-01 / WHITE	L-01 / WHITE FLAT FINISH	
P-2	-	BENJAMIN MOORE	I-74 / CHINA WHITE	SEMI-GLOSS FINISH	WALL PAINT/LOCKER ROOM
ACT-1	2'x2"	ARMSTRONG	CIRRUS HIGH NRC 565	ACOUSTICAL CEILING TILE	OFFICES/TOLLETS
PL-1	-	WILSONART	D456-60 / CAFE CREME / MATT FINISH	PLASTIC LAMINATE	SHELVES - SEE SPEC. WOOD TAPE / 7243 S-2-86 / JULE
PL-2	-	WILSONART	4841-60 / DESERT ZEPHER / MATT FINISH	PLASTIC LAMINATE	CABINET DOORS & CABINET BOOY WOOD TAPE / 7243 S-2-86 / JULE
EG-1	-	WILSONART	7243 S-2-86 / JULE	WOOD TAPE	CABINET EDGES
COT-1	-	CORIAN	SANDAL WOOD	SOLID SURFACING	COUNTERTOPS AND WINDOW SILLS
VCT-1	18x18	TOU	KOLURPATH / MERCURY / 3002	VCT - FLOOR TILE	ALL CLASSROOMS
VCT-2	18x18	TOU	KOLURPATH / JASPER / 3001	VCT - FLOOR TILE	ALL CLASSROOMS
RB-1	4"	JOHNSONITE	BLACK	RUBBER WALL BASE	BASE FOR ALL VCT FLOORS

DIGNED:

Elsenbach & Ruhnke Emproceing, P.

281 Geness Stern — Ulea, NY 1386

Di 131-232-190 Fea 12-224-330.

CONSTITUTE OF THE CONSTITUTE

serbach & Rubhish E 201 General Street — Ph. 312–232–199 For STREET STREET STREET (MSLLTANT)(S):

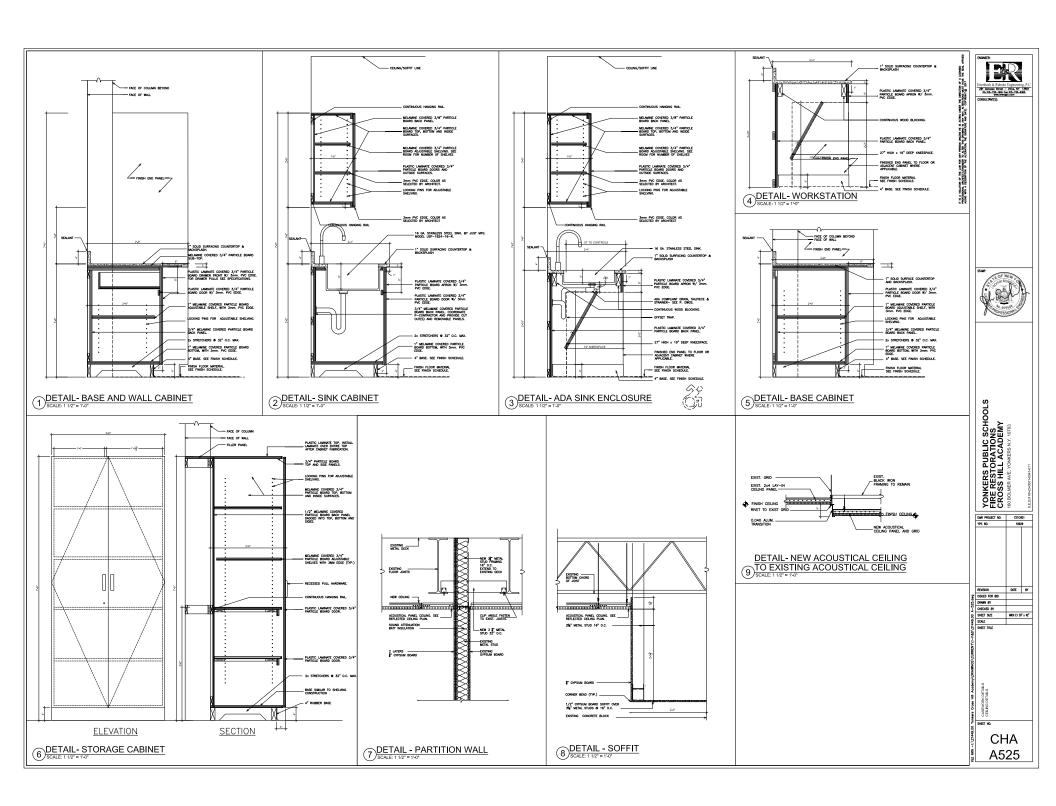


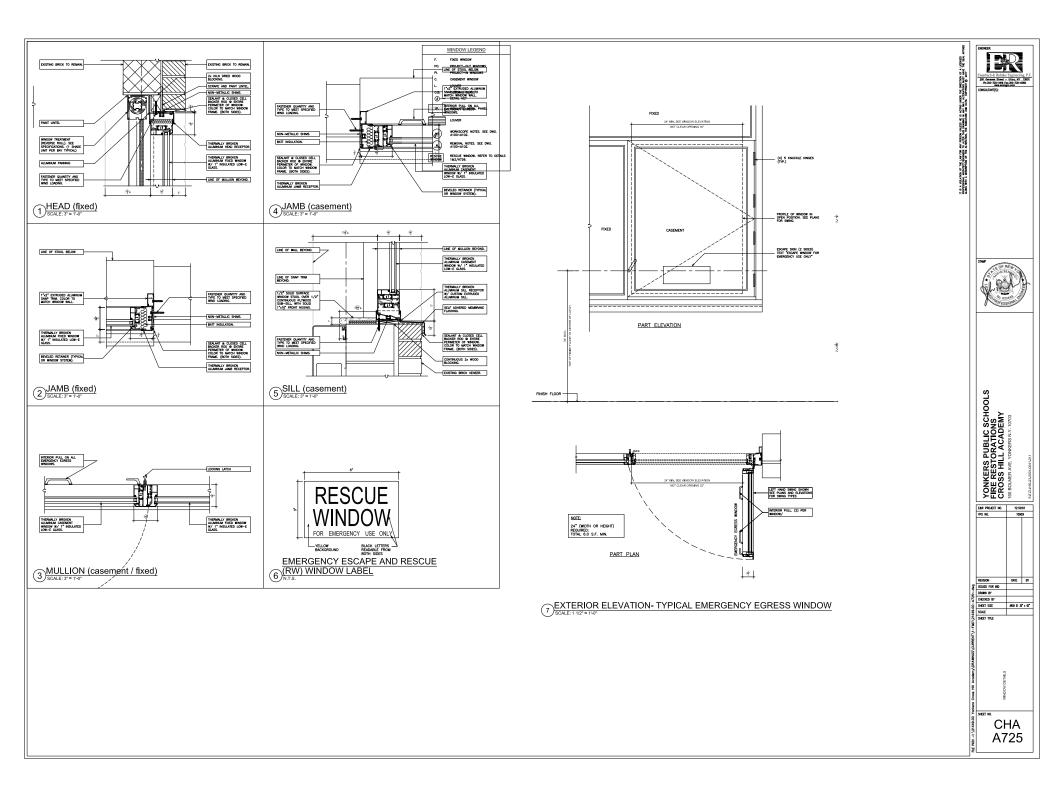
FIRE RESTORATIONS
CROSS HILL ACADEMY
160 BOLMIER AVE, YONKERS N.Y. 10703

REVISION	DATE	BY
ISSUED FOR BID		
DRAWN BY		
CHECKED BY		
SHEET SIZE	MOI ET 30	1.4
SCALE		

OCOSS HI ACUERY PARTIL GROWN FLOOR PLAN FREE MO THISIP LANS WINCOW SCHEDLLE, DOOR SCHEDLE

CHA A101





MECHANICAI GENERAI NOTES:

- DRAWNOS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTROL. IT IS NOT INTEGED TO SYSTOMY OF SYSTEM SERVING EVERY DECEMBER OF SYSTEMS AND MATERIALS WHETHER OR NOT INDICATED OR SPECIFICALLY SECRETED TO MAKE OF SYSTEMS GENERO INSTALLED COMPLETE, CODE COMPLIANT, TESTED AND OFFERITATION.
- CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, DIMENSIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.
- ALL MATERIALS, EQUIPMENT, METHODS OF INSTALLATION, REMOVALS AND DISPOSAL SHALL BE IN ACCORDANCE WITH THE STANDARDS, REGULATIONS, CODES, ORDINANCES, AND LAWS OF LOCAL, STATE, AND FEDERAL GOVERNMENTS, AND OTHER AUTHORITIES THAT HAVE LAWNUL JURISDICTION.
- PERFORM WORK, PROVIDE MATERIALS AND COUPMENT FOR SYSTEMS SHOWN, SPECIFIED AND DESCRIBED ON DRAWINGS. COMPLETE AND OFFICE AND FROME COMPRIGHTS COMPRIGHT OF THE STATE OF THE STATE OF THE WORK IN THIS SET TO BE COMPLETED UNDER THIS CONTRACT, UNLESS OTHERWISE INDICATED.
- PROTECT ALL EXISTING AND NEW BUILDING ELEMENTS (INSTALLED BY OTHER CONTRACTS) FROM DAMAGE, CONTRACTOR SHALL RESTORE ALL DAMAGED ELEMENTS TO ORIGINAL OR BETTER CONDITION.
- WORK SHALL BE EXECUTED IN A WORKMANLIKE MANNER AND SHALL PRESENT NAT, RECTILINEAR APPEARANCE WHEN COMPLETED, MAINTAIN MAXIMUM HEAD ROOM AT ALL TIMES. DO NOT RUN PIPES, DUCTS, AND CONDUIT EXPOSED UNLESS SHOWN AND NOTED TO BE EXPOSED ON DRAWING.
- MATERIALS AND EQUIPMENT SHALL BE NEW AND INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. MAINTAIN MANUFACTURER'S EQUIPMENT CLEARANCES.
- CONTRACTOR S RESPONSIBLE FOR ALL WORK RELATED TO SOLUTING, SHITTING DOWN, FRANKE, FLLING AND TESTING SOLUTING, SHITTING DOWN, FRANKE, AND TESTING SOLUTING, SHITTING DOWN THE SHITTING AND THE SHITTING S
- SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS, PARTITIONS AND FLOORS WITH UL RATED MATERIALS/METHODS EQUIVALENT TO FIRE RATING OF ASSEMBLY.
- COORDINATE ALL WALL/FOUNDATION PENETRATIONS WITH GENERAL CONTRACT AND SEAL WEATHERTICHT. PROVIDE STANLESS STEEL ESCUTCHEON PUTET/TIME RING FOR EACH ABOVE GRADE PENETRATION (BOTH SIDES).
- PROVIDE PROPER ACCESS TO EQUIPMENT THAT REQUIRES INSPECTION, REPLACEMENT OR REPAIR. ACCESS PANELS/DOORS SHALL BE A MINIMUM OF 12"x12", UNLESS OTHERWISE NOTED.
- 13. DO NOT SUPPORT EQUIPMENT FROM SUSPENDED CEILINGS. ALL SUPPORTS SHALL BE FROM BUILDING STRUCTURE OR FROM CEILING SUSPENSION SYSTEM WHICH HAS BEEN REINFORCED. SUPPORTS SHALL BE SELECTED AND INSTALLED TO PROVIDE A VIBRATION FREE INSTALLATION.
- VENOMENT FILE ROUGHANDLY WORK CLEAN THE MECHANICAL ROY AND ROOMS WORK WILL BE COME TO MINIMEZ DESTINATION. THE MECHANICAL ROY AND ROOMS WORK WILL BE COME TO MINIMEZ DESTINATION. THE MECHANICAL PROPERTY OF THE MULTIPLE OF THE MECHANICAL PROPERTY OF THE MULTIPLE WORK.

HVAC REMOVAL NOTES:

- THE SCOPE OF REMOVAL SHOWN ON "REMOVALS" MANNING IS DIAGONARIATE ONLY MOI BIOLOTES THE INTERT OF THE WINDS DIAGONARIATE ONLY MOI BIOLOTES THE INTERT OF THE WINDS DIAGONARIA ON THE DIAGONARIA ON THE THE REPORT OF REMOVAL DIAGONARIA OF THE CONTRACTION TO REMOVE ON RELOCATE ANY PERLYTE DEVENINGLE DEVENING SEVENING THE OFFICE OF THE OFFICE OF THE OFFICE OF THE OFFICE OFFICE
- TO BE REMOVED. ANY DENCES/ITEMS REMOVED SHALL INCLUD (BUT SHALL NOT BE LIMITED 10) THE REMOVAL OF ALL ASSOCIATED PIPHOR, CONTROLS, ETC. THAT ARE NOT INCORPORATED IN THE NEW LAYOUT. THE CONTRACTOR SHALL PERFORM ALL WORK REQUIRED TO INSURE CONTINUITY OF SERVICE TO EXISTING REMAINING EQUIPMENT. NO EXTRAS RELATING TO THE SCOPE OF WORK DESCRIBED WILL BE ALLOWED.
- ALL ITEMS TO BE REMOVED SHALL BE REVIEWED WITH THE OWNER PRICE TO REMOVAL OWNER SHALL HAVE FIRST SALVAGE WITH CARE AND STORED AS DIRECTED BY OWNER, ITEMS THE OWNER DOES NOT WISH TO KEEP SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERTY.

MECHANICAL SYMBOLS THERMOSTAT - ARROW INDICATES DEVICE/ZONE CONTROL NEW PIPING, DUCTWORK, AND EQUIPMENT → O − PIPE ELBOW UP Ð EXISTING TO REMAIN PIPING, DUCTWORK, AND EQUIPMENT - GAUGE WITH BALL VALVE P - STATIC PRESSURE SENSOR PIPING, DUCTWORK, AND EQUIPMENT FOR REMOVAL ____a^V - TEMPERATURE SENSOR W/CONTROL WIRING AND 1/2" CONDUIT WITH CLEAR PLASTIC GUARD(LOCKABLE) (T) , -puv , **⊢**•• - BALL VALVE - MANUAL AIR VENT (H) \leftarrow N \rightarrow - PIPE CAP - HUMIDITY SENSOR - CHECK VALVE (F) - FLOW SENSOR - CONTROL VALVE - 2 WAY - PIPE BREAK DSD - DUCT SMOKE DETECTOR **⊢** - DRAIN VALVE WITH HOSE RIR - PIPE FLOW ARROW VFD - VARIABLE FREQUENCY DRIVE • - |4------R - REDUCER OR INCREASER • - 4- WAY CEILING SUPPLY DIFFUSER • - CEILING EXHAUST/RETURN REGISTER - BRANCH FROM BOTTOM OF PIPE - LIMIT OF REMOVAL - BRANCH FROM TOP OF PIPE ** - FLOW ARROW - DIFFUSER/GRILLE LABEL \odot - NEW VALVE OR ENCLOSURE → PIPE ELBOW DN Ř - REMOVE VALVE OR ENCLOSURE - CAP FD - FIRE DAMPER തി - SMOKE DAMPER FSD - FIRE AND SMOKE DAMPER DOUBLE LINE SINGLE LINE SINGLE LINE DOUBLE LINE - MANUAL VOLUME DAMPER -- RETURN/EXHAUST AIR RECTANGULAR ELBOW DN \Box ADD - AUTOMATIC AIR DAMPER INTERLOCKED WITH EQUIPMENT **─** - ROUND ELBOW UP DSD + DSD → DUCT SMOKE DETECTOR \bigcirc - ROUND ELBOW DN → CENTERED TRANSITION → FLEXIBLE CONNECTION - SUPPLY/OUTSIDE AIR RECTANGULAR ELBOW UP - OFFSET TRANSITION - SUPPLY/OUTSIDE AIR RECTANGULAR ELBOW DN $\vdash \square \boxtimes$ - SQUARE TO ROUND TRANSITION - RETURN/EXHAUST AIR RECTANGULAR ELBOW UP - RADIUS ELBOW ∇ - 1 - 45' DEGREE LEADING EDGE - MITERED ELBOW WITH TURNING

COORDINATION NOTE:

INCOMPANION MOTION OF THE PREPARENT OF THE ELECTRICAL AND MICHAEL CONTRIBUTION OF THE ELECTRICAL AND MICHAEL CONTRIBUTION OF THE ELECTRICAL AND MICHAEL CONTRIBUTION OF THE CONTRIBUTION OF THE PROPERTY OF THE PRODUCT OF THE PROPERTY OF THE

AUTOMATIC AIR DAMPER AIR COOLED CONDENSING UNIT ACCESS DOOR

AMP AMPERAGE BACKDRAFT DAMPER BRAKE HORSEROWER

BUILDING MANAGEMENT SYSTEM BTU BRITISH THERMAL UNIT CUBIC FEET PER MINUTE CONDENSATE

DRYBULB TEMPERATURE nnc DIRECT DIGITAL CONTROL (SYSTEM) DEGREE

DIAMETER DEWPOINT TEMPERATURE DIRECT EXPANSION

ENTERING AIR TEMPERATURE FAT EFFICIENCY

EXHAUST GRILLE rep DATES OF STATE OF STATES EXHAUST FAHRENHEIT

FD FIRE DAMPER FINAL FILTER FLOOR FEET PER MINUTE FSTAT FREEZESTAT

FT HD FEET OF HEAD FEET OF WATER GAUGE FACE VELOCITY

CHION GPM GALLONS PER MINUTE HORSEPOWER

MIXED AIR TEMPERATURE MAKE-UP AIR UNIT 1,000 BTU/HR MINIMUM BRANCH CIRCUIT AMPACITY OUTSIDE AIR

OUTSIDE AIR INTAKE PRESSURE DROP RETURN AIR

REVOLUTIONS PER MINUTE REFRIGERANT SUCTION SATISFACTORY SUPPLY AIR TEMPERATURE SENSIBLE HEAT

SPECIFIC GRAVITY STATIC PRESSURE TESTING, ACJUSTING, BALANCE

TYP TYPICAL

WETBULB HEAT PUMP TEMPERATURE DIFFERENCE

29 Grann Street - USon NY 1950 Built-19-196 Feetils-19-498

IS A VICLATOR OF THE LUM FOR MY POSEGOLULISS HE IS ACTIVE UNCOP THE EMECTION OF A LUCKED PROFESSORY, MONITOCHANGED TO THE THIS EMECATURE IN MAY THEN, ACTIVATED, MAY THEN THE SHARING, MO THIS, CONTRIBUTED AND THE STALLING, MO THIS, CONTRIBUTED, 2017.



YONKERS PUBLIC SCHOOLS FIRE RESTORATIONS CROSS HILL ACADEMY 160 BOLMER AVE. YONKERS N.Y. 10703

EAR PROJECT NO. Y21CH01

REVISION DATE BY
ISSUED FOR BID
CRAWN BY JAM CHECKED BY JE SHEET SIZE MOD ET 30" x 42" SCALE SHEET TITLE AS NOTED

CHA M-001

GENERAL PLUMBING NOTES:

- CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, DIMENSIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.
- ALL MATERIALS, EQUIPMENT, METHODS OF INSTALLATION, REMOVALS AND DISPOSAL SHALL BE IN ACCORDANCE WITH THE STRANDARDS, REGULATIONS, CODES, ORDINANCES, AND LAWS OF LOCAL, STATE, AND FEDERAL GOVERNMENTS, AND OTHER AUTHORITIES THAT HAVE LAWFUL JURISDICTION.
- 4. PERFORM WORK, PROVIDE MATERIALS AND EQUIPMENT FOR SYSTEMS SHOWN, SPECIFED AND DESCRIBED ON DRAWINGS. COMPLETELY COORDINATE, ALL TRADES OF THIS CONTRACT AND PROVIDE COMPLETE AND FULLY FUNCTIONAL INSTALLATION. ALL WORK IN THIS SET TO BE COMPLETE UNDER THIS CONTRACT, UNLESS OTHERWISE INDICATED.
- 6. WORK SMALL BE EXECUTED IN A WORKHANJAKE MANNER AND SMALL PRESENT NAT. RECTILINEAR APPEARANCE WHICH COMPLETED IN MINTAIN MAXIMUM HEAD ROOM AT ALL THES. DO NOT RUN PPES, DUCTS, AND CONDUIT EXPOSED DIALESS SHOWN AND NOTED TO BE EXPOSED ON DRAWNOS.
- MATERIALS AND EQUIPMENT SHALL BE NEW AND INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. MAINTAIN MANUFACTURER'S EQUIPMENT CLEARANCES.
- CLEARACES.

 CONTRACTOR IS RESPONSELE FOR ALL WORK RELATED TO DESTAINS, STITTING DOWN, DOWN, OFFICE AND THE MORE MADE DIAMATION APPROVED BY THE OWNER AND UTILITY AS APPLICABLE. ROLLED ALL PREVIOUM THE ASSOCIATION APPLICABLE, ROLLED ALL PREVIOUM THE ASSOCIATION AND THE MORE MADE AND THE MADE AND THE MORE MADE AND THE MADE AND THE
- SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS, PARTITIONS AND FLOORS WITH UL RATED MATERIALS/METHODS EQUIVALENT TO FIRE RATING OF ASSEMBLY.
- 11. PROVIDE PROPER ACCESS TO EQUIPMENT THAT REQUIRES INSPECTION, REPLACEMENT OR REPAIR, ACCESS PANELS, POORES SHALL BE A MINIMUM OF 12"X12", UNLESS OTHERWISE NOTED.
- 12. DO NOT SUPPORT EQUIPMENT FROM SUSPENDED CEILINGS, ALL SUPPORT SHALL BE FROM BUILDING STRUCTURE OR FROM CEILING SUSPENDION SYSTEM WHICH HAS BEEN REINFORCED, SUPPORTS SHALL BE SELECTED AND INSTALLED TO PROVIDE A VIBRATION FREE INSTALLATION.
- 13. PLUMBING CONTRACTOR IS RESPONSIBLE FOR JETTING/SHAKING ALL SANITARY WASTE LINES (ALL FLOOR DRANS) SHOWL ON THE DRAWNSS TO BE FULLY OPERATIONS.
- OPERATIONAL.

 (A. CEANING DUBING PLUMBING WORK: THE MECHANICAL PLUMBING WORK: THE MECHANICAL PLUMBING WORK: THE MECHANICAL PLUMBING WORKERS ARE TO USE PRIVATE AND PLUMBING WORKERS ARE THE BULDING WHEN SHOP THE BULDING WHEN CONTINUE WEDNING OF STORAGE IS ALLOWED STORE FENCED A LAT TIMES. THE PROPERTY OF THE PROPERTY O
- 15. CONTRACTOR TO PROVIDE NECESSARY MODIFICATIONS TO EXISTING PLUMBING TO ACCOMPLISH NEW WORK AND TO PROVIDE A PROPERLY FUNCTIONING SYSTEM, VERIFY IN FIELD.



YONKERS PUBLIC SCHOOLS FIRE RESTORATIONS CROSS HILL ACADEMY (60 BOLMER AVE. YONKERS N.Y. 10703

EAR PROJECT NO. Y21CH01

SCALE SHEET TITLE

CHA P-001

ABOVE FINISH FLOOR ABOVE FINISHED GRADE MECHANICAL CONTRACTOR 1000 BTUH AUTHORITY HAVING JURISDICTION AMERICAN NATIONAL STANDARDS INSTITUTE ACCESS PANEL MANHOLE NORMALLY CLOSED NATURAL GAS ASHRAE AMERICAN SOCIETY OF HEATING, REFRIGERATION NOT IN CONTRACT NOMINAL NON POTABLE WATER ASPE AMERICAN SOCIETY OF PLUMBING NTS 02 00 05HA ENGINEERS NOT TO SCALE NOT TO SCALE

OXYGEN

OUTSIDE DIAMETER

OCCUPATIONAL SAFETY AND HEALTH

ADMINISTRATION BELOW FINISHED GRADE BREAK HORSEPOWER BASE OF RISER BRITISH THERMAL UNIT PUMP PLUMBING CONTRACTOR BRITISH THERMAL UNIT PER HOUR CELSIUS COMBUSTION AIR PUMP DISCHARGE PLUMBING AND DRAINAGE INSTITUTE PLUMBING FOXTURE COMPRESSED AIR COMPRESSED GAS ASSOCIATION PRESSURE CAGE PARTS PER MILLION
PRESSURE REDUCING STATION CLEANOUT COND CP CARBON DIOXIDE CONDENSATE PRESSURE REDUCING VALVE POUNDS PER SQUARE INCH POUNDS PER SQUARE INCH ATMOSPHERE CIRCULATING PUMP CHLORINATED POLYVINYL CHLORIDE POUNDS PER SQUARE INCH GAUGE POLYMNYL CHLORIDE ROOF DRAIN RAIN LEADER COLD WATER (DOMESTIC) DRAIN DIAMETER RO RPZ PREVENTER REVERSE OSMOSIS WATER DRAINAGE FIXTURE UNIT DOWN DECK PLATE CLEANOUT SAN Swacna SANITARY SEWER SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION DOMESTIC WATER HEATER
DRAIN WASTE VENT
ELECTRICAL CONTRACTOR SCEM STANDARD CURIC FOOT/MINUTE SOFTENED COLD WATER ELEVATION EXPANSION TANK Sump Pump SOFT SS ST T&P TD TDH SQUARE FEET STAINLESS STEEL STORM SEWER ELECTRIC WATER COOLER EXISTING FAHRENHEIT FLOOR DRAIN exist F TEMPERATURE & PRESSURE (RELIEF VALVE) TRENCH DRAIN FIXTURE UNITS TOTAL DYNAMIC HEAD TEMPERATURE/TEMPORARY NATURAL GAS TMV TP TSTAT THERMOSTATIC MIXING WILVE GALLON
GALVANIZED
GENERAL CONTRACTOR TRAP PRIMER THERMOSTAT TEMPERED WATER TYPICAL UNDERCUT GALLONS PER HOUR GALLONS PER MINUTE HOT AND COLD WATER UNIT HEATER UNDERWRITERS LABORATORY
UNIFORM PLUMBING CODE HOSE BIBB HEATING & HWAC CONTRACTOR
HUB DRAIN
HORSEPOWER urinal Vent VACUUM BREAKER VENT THROUGH ROOF HAND SINK HOT WATER (DOMESTIC) MATER CLOSET WALL CLEANOUT
WALL HYDRANT
WATER HAMMER ARRESTER WATER SUPPLY FIXTURE UNIT EXHAUST AIR WSFU XA

PLUMBING ABBREVIATIONS

INDIRECT WASTE

METER

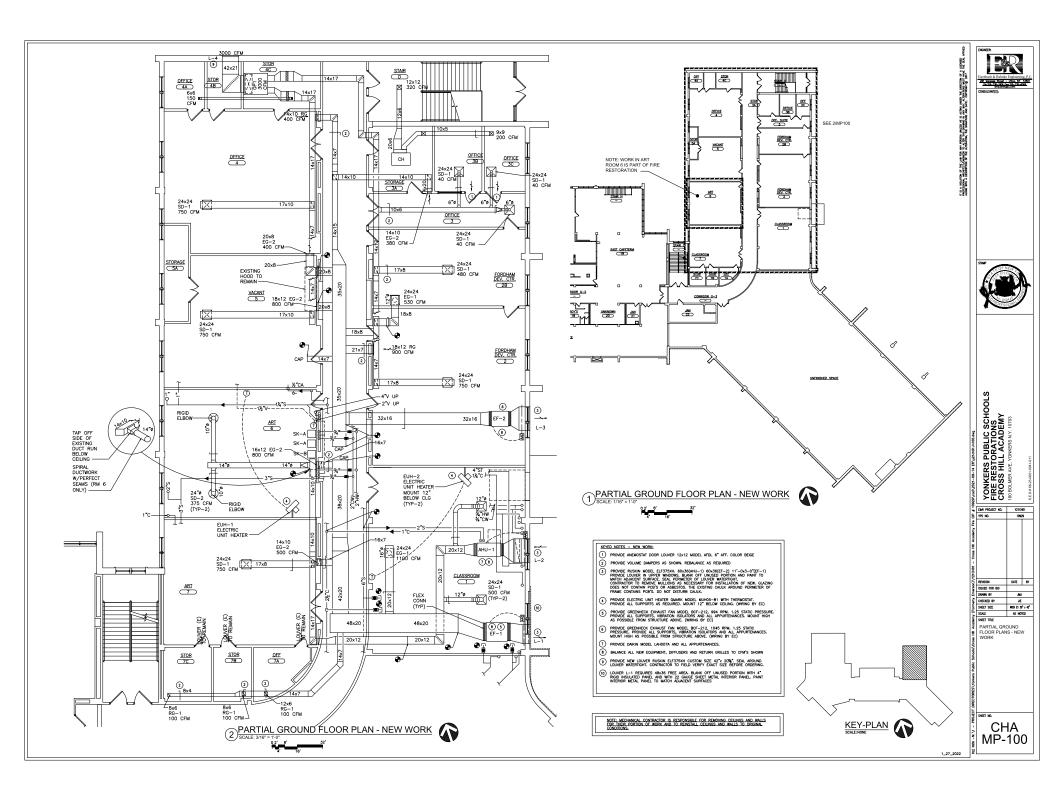
INSTANTANEOUS WATER HEATER KILOWATT LAVATORY

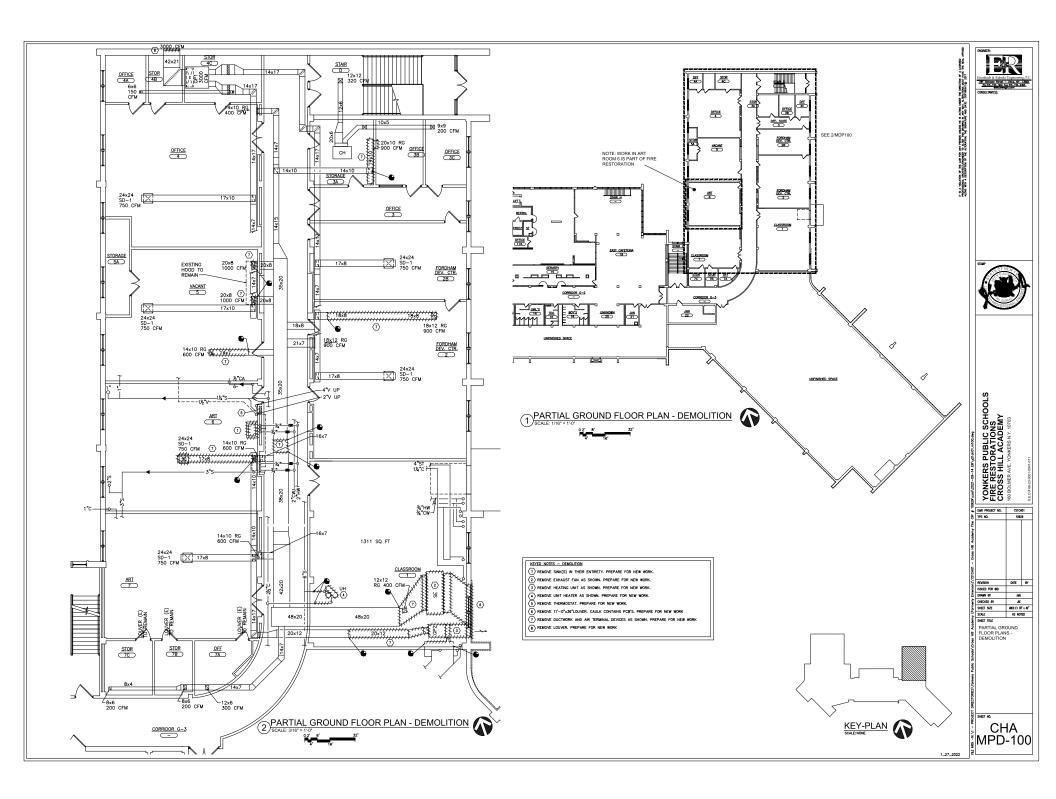
ARCHITECT / ENGINEER

AMERICANS WITH DISABILITIES ACT

AREA DRAIN ACCESS DOOR

	PLUMBING :	SYMBOLS	
		SYMBULS P	
\longrightarrow	- NEW PIPING AND EQUIPMENT		- GAUGE WITH BALL VALVE
\leftarrow	 EXISTING TO REMAIN PIPING AND EQUIPMENT 	- Bv ∧	- AUTOMATIC AIR VENT
4///A	- PIPING AND EQUIPMENT FOR REMOVAL	, garv	- MANUAL AIR VENT
⊢∞	- BALL VALVE	,,	- THERMOMETER
⊢-	- BALL VALVE (HOSE END & CAP)	ı—ıjı—≀	- BUTTERFLY VALVE
⊢ 0	- BALANCING VALVE	€——	- PIPE CAP
\longrightarrow	- CHECK WALVE	+	- END OF LINE CLEAN OUT
⊢-R	- CONTROL VALVE - 2 WAY	+	- HOSE BIBB
⊷⊠⊶	- DRAIN VALVE WITH HOSE BIBB		- FLOOR DRAIN
~ 1 	- FLANGED CONNECTION	D:	- FLOOR DRAIN WITH P-TRAP
₩	- FUSIBLE LINK OIL SHUTOFF VALVE	0	- DECK PLATE CLEAN OUT
⊢	- FLOW CONTROL VALVE	<	- GAS OUTLET
⊢⋈ ⊸	- GATE WALVE	P	- WATER HANNER ARRESTOR
⊢⊠	- GLOBE WALVE	→ WH	- WALL HYDRANT
⊢ •	- GAS COCK	VB ■	- WACUUM BREAKER
x	- LUBRICATED PLUG WALVE	⊢ Ø ⊢	- INUNE PUMP
₩	- PRESSURE REDUCING WALVE	$\leftarrow \rightarrow$	- WATER WETER
4	- RELIEF WALVE	≟	- SUCTION DIFFUSER
⊢	- STRAINER WITH BLOWDOWN		- FLEXIBLE CONNECTOR
	- STRAINER WITH BLOWDOWN	\vdash	- PIPE BREAK
⊢ ₩	- SOLENOID VALVE	\longrightarrow	- PIPE FLOW ARROW
⊢&⊢	- THREE-WAY CONTROL VALVE	A	- revisión/keyed note
→× →	- TRIPLE DUTY GLOBE WALVE		- KEYED NOTE
	- UNION	•	- KEYED NOTE
⊢ ⊶	- REDUCER OR INCREASER	•	- KEYED NOTE
, I	- BRANCH FROM BOTTOM OF PIPE	•	- POINT OF NEW CONNECTION
↓ ↓	- BRANCH FROM TOP OF PIPE	•	- UNIT OF REMOVAL
	- PIPE ELBOW DN	257	- SAW CUT FLOOR
	- PIPE ELBOW UP	233	- SAW COT FLOOR
	PIPE FLOW ARROW		
	BELOW SLAB PIPING		
— c# —	COLD WATER PIPING		
— HW —	HOT WATER PIPING		
HWC	HOT WATER RECIRC PIPING		
— IW—	INDIRECT WASTE PIPING		
SAN	SANITARY PIPING		
— D—	DRAIN PIPING		
V	VENT PIPING		
	NATURAL GAS PIPING		
SAN	SANITARY PIPING (BELOW GRADE)		
341	STREET THE (BELOW GROEF)		







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C. C	PUBLIC SCHOOLS DRATIONS L ACADEMY DINKERS N.Y. 10703	

YONKERS PU FIRE RESTOI CROSS HILL 160 BOLMER AVE, YOP EBR PROJECT NO. 1210H01 195 NO. 10929

PENSION DATE BY

SSKED FOR BD

GROWN BY

GROWN BY

SHEET SIZE

SHEET TITLE

DETAILS AND SCHEDULES

CHA MP-500

INSULATION SCHEDULE INSULATION CLASS (a) NOMINAL PIPE SIZE (IN) EQUIPMENT OR SYSTEM SERVED EXTERIOR <1" | 1"-<1½" | 1½"- <4" | 4 "- <8" | 28" & UP (c) 0.5 0.5 1.0 1.0 1.0 0.5 0.5 1.0 1.0 1.0 DCW, COOLING COI HWS, HWR FG (d) FG (e) 2 (f)(g)(J) 2 (i)(J) С DUCTWORK UR(e) 1.5 1.5 3 1.5 1.5 3 FG LPS,LPC - NONE
- ALL SERVICE
- ALUMINUM FOIL
- ALUMINUM FOIL
- CANVAS
- POLYVINYL CHLORIDE
- STAINLESS STEEL
- ALUMINUM
- EPDM (a) FG -FE -UR -CS -FR -- FIBROUS GLASS
- FLEXIBLE ELASTOMI
- URETHANE
- CALCIUM SILICATE
- FIRE RATED (f) EXCEPT SUPPLY AIR WITHIN CONDITIONED SPACE (g) INSULATE EXHAUST AIR 15'-0" FROM EXTERIOR PENETRATION (d) BLANKET (I) TWO LAYERS, 3 IN TOTAL

(j) INSULATION BELOW 8"-0" TO HAVE PVC WRAI (e) 1" RIGID BOARD

ALL INSULATION TO COMPLY WITH 2015 NYS ENERGY CONSERVATION CONSTRUCTION CODE

	AIR HANDLING UNIT SCHEDULE										
QTY	MARK	SERVICE	MODEL	NOMINAL CAPACITY	TYPE	VOLTS/HERTZ/PHASE/HP	FLA	ASSOCIATED EQUIPMENT	NOTES		
1	AHU-1	BASEMENT ROOMS	DAIKIN	1500 CFM	STEAM	208V/60/3/2.0	7.8	LAH007A	1,2,3,4,5		
NOTE S	HOTE : SCURENT HAND FROM STRICTURE ABOVE USING STEEL THEREOER ROUS AND SUPPORT FRAMING MY LORGEROUS AGAINETS, MUST INSTALL UNIT TO ALLOW FOR MANTEHNACE CLEARNICS AND FLIER CHANGES. HOTE 2: RROUGE SUPPLY ARE DUT SUMME DETECTOR AND THE NTO UNIT POWER FEED AND ARE NITAME DAMPERS. CORNECT TO EXISTING BMS HOTE 2: RROUGE SUPPLY ARE DUT SUMME DETECTOR AND THE NTO UNIT POWER FEED AND ARE NITAME DAMPERS. CORNECT TO EXISTING BMS HOTE 4: RROUGE LIBERY 14 FLIER HOTE 4: RROUGE LIBERY 14 FLIER HOTE 4: RROUGE LIBERY 14 FLIER HOTE 5: RROUGE LIBERY 15 FLIER HOTE 5: RROUGE LIBERY 14 FLIER HOTE 5: RROUGE LIBERY 15 FLIER HOTE 5: RRO										

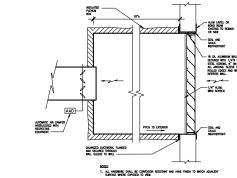
FIXTURE AND EQUIPMENT CONNECTION SCHEDULE									
DESIGNATION	DESCRIPTION	COLD WATER	HOT WATER	WASTE OR SANITARY	VENT	CARRIERS & ACCESSORIES	NOTES		
SK-A	SINK	1/2*	1/2"	1 1/2"	2"	YES	NOTE 1		
SK-B	SINK(HANDICAPPED)	1/2*	1/2	1 1/2"	2"	YES	NOTE 1		

	LOUVER SCHEDULE										
UNIT NO.	LOCATION	SERVICE	CFM	LOUVER	AF	APPROXIMATE SIZE		MAX PD IN	BIRD SCREEN	DESIGN EQUIPMENT	
ONII NO.	LOGATION	JERVICE	Crae	LOUVEN	LENGTH	DEPTH	HEIGHT	W.G.	BIND SCREEN	DESIGN EQUIPMENT	
L-1	ROOM 1	EXHAUST	SEE PLAN	ALUMINUM LOUVER	132	4	36	.05	YES	RUSKIN ELF375XH	
L-2	ROOM 1	AIR INTAKE	SEE PLAN	ALUMINUM LOUVER	36	4	36	.05	YES	RUSKIN ELF375XH	
L-3	ROOM 2	EXHAUST	SEE PLAN	ALUMINUM LOUVER	60	4	36	.05	YES	RUSKIN ELF375XH	
L-4	STOR, 4B	AIR INTAKE	SEE PLAN	ALUMINUM LOUVER	42	4	20,625	.05	YES	RUSKIN ELF375XH	

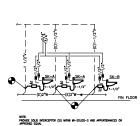
NOTE: PROVIDE FACTORY PAINTED FINISH (COLOR BY OWNER)
ALL LOUVERS TO HAVE ALUMINUM BIRD SCREENS

REGISTER, GRILLE AND DIFFUSER SCHEDULE										
TYPE	APPLICATION	MATERIAL	FINSH	DESIGN EQUIPMENT	NOTES					
SD-1	SUPPLY	STEEL	WHITE	TITUS MODEL TMS	1,2,3					
SD-2	SUPPLY	STEEL	WHITE	TITUS MODEL R-OMNI	1,3					
EG-1	EXHAUST	STEEL.	WHITE	TITUS MODEL 350 RL	1,2,3					
EG-2	EXHAUST	STEEL	WHITE	TITUS MODEL 350-ZRL	3					

NOTE 1: PROVIDE APPROPRIATE SIZED NECK TO CONNECT TO NEW OR EXISTING DUCT. SEAL AND MAKE CONNECTIONS AIR TIGHT NOTE 2: PROVIDE GRILLE OR DIFFUSER TO FIT IN A FULL 2X2 CELLING TILE IN ALL DROP CELLING. NOTE 3: PROVIDE VOLUME COMMERS FOR AIR BUANCING.



4 LOUVER DETAIL



PLUMBING RISER DIAGRAM

SCALE: NONE

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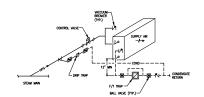
NOTE:

1. PROVIDE ELKAY SINK LRAD 2022 WITH FAUCET ELKAY LK4101, WATER SUPPLIES MCGUIRE 2167-LK-F AND TRAP MCGUIRE 8912-F
ADA COMPLIANT. PROVIDE SOLID INTERCEPTOR MIFAB MI-SOLIDS-S WITH ALL APPURTEMENCES. 2. ALL PLUMBING FIXTURES TO BE PROVIDED WITH 14 TURN SHUT-OFF VALVES AS SPECIFIED

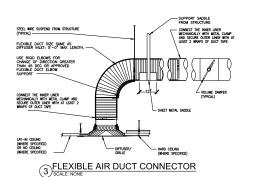
SIDE VIEW TRAPEZE HANGER FOR UP TO 1000 LB. UNIFORM LOAD

PIPE SUPPORT DETAIL
SCALE: NONE

PROMDE INSULATION



2 STEAM HEATING COIL PIPING DETAIL



THE HEATING SHALL BE ENABLED WHENEVER:

OUTSIDE ARE TIMERATURE IS USES THAN 65 DECUT (ADUL).

AND THE ZORE TEMPERATURE IS BLOW HEATING SETFORM.

AND THE SUPPLY FAM STATUS IS OU.

THE HARAING COLL SHALL OPIN WHENEVER THE PREZESTAT (IF PRESENT) IS OU.

MINIMUM CUTSIDE AIR VENTILATION — FIXED PERCENTAGE: THE OUTSIDE AIR DAMPERS SHALL MANTAIN A MINIMUM POSITION (ADJ.) DURING BUILDING OCCUPED HOURS AND BE CLOSED DURING UNOCCUPIED HOURS. FINAL FILTER DIFFERENTIAL PRESSURE MONITOR: THE CONTROLLER SHALL MONITOR THE DIFFERENTIAL PRESSURE ACROSS THE FINAL FILTER.

ALARUS SHALL BE PROVIDED AS FOLLOWS: FINAL FILTER CHANGE REQUIRED: FINAL FILTER DIFFERENTIAL PRESSURE EXCEEDS A USER DEFINARY FUNET (ADL).

MORD ART TEMPERATURE:
THE CONTROLLER SHALL MONTOR THE MIXED ARR TEMPERATURE AND USE AS REQUIRED FOR ECONOMIZER CONTROL (IF PRESENT) OR PREHEATING CONTROL (IF PRESENT).

ALARMS SHALL BE PROVIDED AS FOLLOWS:
HIGH MIXED ARE TEMP. IF THE MIXED ARE TEMPERATURE IS GREATER THAN 90 DEG. F. (AD.).
LOWINDED ARE TEMP. IF THE MIXED ARE TEMPERATURE IS LESS THAN 45 DEG. F. (AD.).

FREEZE PROTECTION: THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING A FREEZESTAT STATUS.

RUN CONDITIONS — SCHEDULED:
THE STANLE RUN ACCORDING TO A USER DEPHABLE TIME SCHEDULE IN THE FOLLOWING SCHEDULE OF THE FOR THE SCHEDULE IN THE FOLLOWING SCHEDULE OF THE UNIT SHALL MAINTAIN TO DEC. F. (ACAL.) OCCURING SETPORT.
TO DEC. F. (ACAL.) HEATING SETPORT.

ALANSE SHALL BE PROVIDED AS FOLLOWS.
HIGH TONE THAN IF THE ZONE TRAMPERATURE IS GREATER THAN THE COOLING SETPONT BY A
USER DEFINALE AMOUNT (ALA).
LOW ZONE THAN IF A ZONE TRAMPERATURE IS LESS THAN THE HEATING SETPONT BY A

ZONE OPTIMAL START:
THE UNIT SHALL USE AN OPTIMAL START ALGORITHM FOR MORNING START-UP. THIS
ALGORITHM SHALL MININZE THE UNCCOUNTED MANUEL PLO OR COCE-ORDS PERIOD WHILE STILL
ACHEVING COMPORT CONDITIONS BY THE START OF S

SUPPLY FAIR.
THE SUPPLY FAN SHALL RUN ANYTIME THE UNIT IS COMMANDED TO RUN, UNLESS SHUTDOWN ON SAFTRES. TO REVEN'T SHORT CYCLING, THE SUPPLY FAN SHALL HAVE A USER DEFINABLE (ADL) MINIMUM RINTIME. ALARMS SHALL BE PROVIDED AS FOLLOWS:
SUPPLY FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
SUPPLY FAN IN HARD: COMMANDED OFF, BUT THE STATUS IS ON.
SUPPLY FAN IN HARD: COMMANDED OFF, BUT THE STATUS IS ON.
SUPPLY FAN INTIME EXCEEDE: STATUS BUTTING EXCEEDS A USER DEFINABLE LIMIT (ADJ.).

HEATING COLL.
THE CONTROLLER SHALL MEASURE THE ZONE TEMPERATURE AND MODULATE THE ELECTRIC HEATING COLL TO MAINTAIN ITS HEATING SET POINT.

AIR HANDLING UNIT CONTROL SCHEMATIC
SCALE: NONE

BI - ZONE OVERRIDE

AI - ZONE TEMP

AI - FINAL FILTER DIFFERENTIAL PRESS

AI - MDED AIR TEMP

BI - SUPPLY FAN STATUS 80 - SUPPLY FAN START/STOP

BI - FREEZESTAT

STARTER

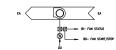
SEQUENCE OF OPERATION

RUN CONDITIONS INTERLOCKED: THE FAN(S) EF-1, EF-2 SHALL BE INTERLOCKED TO RUN WHENEVER AHU-1 RUNS UNLESS SHUTDOWN ON SAFETIES.

FAN: THE FAN SHALL HAVE A USER DEFINABLE (ADJ.) MINIMUM RUNTIME FAN STATUS:

THE CONTROLLER SHALL MONITOR THE FAN STATUS.

ALARAIS SHALL BE PROVIDED AS FOLLOWS:
FAN FALLINER: COMMANDED OR BUT THE STATUS IS OFF.
FAN IN HAND: COMMAND OFF, BUT THE STATUS IS ON.
FAN ENITHING EXCEDED. FAN STATUS RATHING EXCEDED A USER



2 EXHAUST FAN(S) CONTROL SCHEMATIC
SCALE: NONE

- AI = ANALOG INPUT, A PHYSICAL INPUT TO THE CONTROL MODULE.
- AO = ANALOG OUTPUT. A PHYSICAL OUTPUT FROM THE CONTROL MODULE.
- AV = AMALOG VALUE, AN INTERMEDIATE (SOFTWARE) POINT THAT MAY BE EDITABLE OR READ-ONLY, EDITABLE AVS ARE TYPICALLY USED TO ALLOW THE USER TO SET A FIXED CONTROL PARAMETER, SUCH AS A SETPONT, READ ONLY AVS ARE TYPICALLY USED TO DISPLAY THE STATUS OF A CONTROL OPERATION.
- BI = BINARY INPUT, A PHYSICAL INPUT TO THE CONTROL MODULE.
- BO = BINARY OUTPUT, A PHYSICAL OUTPUT FROM THE CONTROL MODULE.
- BY = BINNEY VALUE, AN INTERMEDIATE (SOFTMARE) POINT THAT MAY BE EXTURBE EEQD-ONLY. EDITABLE BIS ARE THYCALLY USED TO ALLOW THE USER SET A FREE CONTROL PARMETER, SICH AS A SEPONAL, READ OF A THYCALLY USED TO DISPLAY THE STATUS OF A CONTROL OPERATION.

CHA MP-600

1_27_2022

YONKERS PUBLIC SCHOOLS FIRE RESTORATIONS CROSS HILL ACADEMY 160 BOLMER AVE, YONKERS N.Y. 10703 EAR PROJECT NO. 1210H01

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SHOUTH CONTROL

SCHEMATICS

GENERAL DEMOLITION NOTES:

- DEMOLITION DRAWINGS ARE BASED ON FIELD OBSERVATION, REPORT ANY CONFLICTS TO THE ENGINEER BEFORE DISTURBING EXISTING EQUIPMENT.
- 2. BEGINNING OF DEMOLITION MEANS THE CONTRACTOR ACCEPTS ALL EXISTING CONDITIONS.
- VERIEY SCOPE OF WORK: CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO SUBMITTING A BID TO DETERMINE THE SCOPE OF THE WORK, AND TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS THAT WILL AFFECT THEIR WORK AND, THEREFORE, THEIR BID.
- . UNLESS NOTED OTHERWISE, EXISTING ELECTRICAL EQUIPMENT SHOWN ON THESE PLANS ARE A PART OF CONTRACT. TO MAINTAIN DRAWING CLARITY NOT ALL EXISTING ELECTRICAL EQUIPMENT HAS BEEN SHOWN. FIELD VERIFY EXISTING CONDITIONS. AND NOTIFY ARCHITECTY, ENGINEER OF ANY CONFIDENCE.
- UNLESS NOTED OTHERWISE, REMOVE ALL ELECTRICAL ITEMS SHOWN ON THESE PLANS AS INDICATED BY CROSS HATCHED LINES AND/OR KEYED NOTES.
- . UNLESS NOTED OTHERWISE, DEMOLITION OF ELECTRICAL EQUIPMENT/DEVICES INCLUDES REMOVAL OF CIRCUITRY BACK TO ASSOCIATED SOURCE/PANEL THIS INCLUDES REMOVAL OF THE DEVICE, WIRING, CONDUIT, BOXES, CONTROL DEVICES, ETC.
- WHERE POSSIBLE, EXISTING CONDUITS/RACEWAYS (ASSOCIATED WITH REMOVED EQUIPMENT AND WIRING) MAY BE RE-USED FOR NEW CIRCUITING. EXISTING CONDUITS/RACEWAYS MUST BE IN GOOD CONDITION, AND IN COMPLIANCE WITH NEC/SPECIPICATION REQUIREMENTS. NOTIFY ENGINEER PRIOR TO REUSING.
- . EXISTING CIRCUIT BREAKERS ASSOCIATED WITH ELECTRICAL EQUIPMENT SCHEDULED FOR DEMOLITION SHALL REMAIN FOR SPARES UNLESS REMOVAL IS REQUIRED TO MAKE ADDITIONAL SPACE (IN EXISTING PANELBOARDS) FOR NEW CIRCUIT BREAKERS.
- MAINTAIN THE ELECTRICAL INTEGRITY OF ALL EXISTING BRANCH CIRCUITS INTERRUPTED BY REMOVAL WORK, PROVIDE ALL WIRING, CONDUIT, AND HARDWARE REQUIRED TO MAINTAIN CONTINUITY OF ELECTRICAL EQUIPMENT REMAINING ON EXISTING BRANCH CIRCUITS NOT BEING COMPLETELY REMOVED OR OUTSIDE WORK THE WORK AREA.
- 10. UNLESS NOTED OTHERWISE, REMOVE EXISTING ELECTRICAL DEVICES, AND ASSOCIATED CIRCUITRY, LOCATED ON OR IN WALLS SCHEDULED FOR REMOVAL, REFER TO ARCHITECTURAL DRAWINGS FOR DEMOLITION COORDINATION.
- . UNLESS NOTED OTHERWISE, REMOVE EXISTING ELECTRICAL DEVICES, AND ASSOCIATED CIRCUITRY, LOCATED ON OR IN CELLINGS SCHEDULED FOR REMOVIAL TO MAINTAIN DRAWING CLARITY, EXISTING CELLINGS SCHEDULED FOR DEMOLITION HAVE NOT BEEN IDENTRIED ON THIS DRAWING. REFER TO ARCHITECTURAL, DRAWINGS FOR DEMOLITION COORDINATION.
- 12. WHERE REMOVALS OCCUR ON SERVICES THAT ARE TO REMAIN IN OPERATION, CAP OR OTHERWISE TERMINATE THE REMAINING SERVICES BENEATH FINISHED SURFACES.
- 13. ALL CONDUITS STUBBED THRU FLOOR SERVING ITEMS TO BE REMOVED, AND NOT SHOWN OR REQUIRED TO BE REUSED, SHALL BE CUT OFF FLUSH, SLAB LEVEL WITH CONCRETE.
- 14. PORTIONS OF FEEDERS RISERS WHICH REQUIRE REMOVAL DUE TO DEMOLITION WORK, BUT WHICH ARE REQUIRED REMAIN ENERGIZED, SHALL BE CULT AT ACCESSIBLE LOCATIONS, REROUTED AND RECONNECTED. EXTEND EXISTING FEEDERS AS REQUIRED. MATCH EXISTING FEEDERS IN CONDUCTOR SIZE (AMPACTLY RATING), RACEWAY SIZE, ETC.
- CAREFULLY REMOVE, PROTECT AND STORE ALL EQUIPMENT TO BE REUSED IN A SAFE PLACE UNTIL READY FOR REINSTALLATION, CLEAN MATERIALS, REFORE REINSTALLATION, AND ENGINE FOLIPMENT IS STILL FULLY OPERATIONAL
- 16. THE CONTINUETOR & RESPONSIBLE FOR REMOVAL OR RELOCATION OF ITEMS, NOT SHOWN ON THESE DAWNINGS TO CONCITIONS WHEN CONCEALED WORK IS EMPOSED. CLAMIS FOR ADDITIONAL EDUCATION WORK WILL NOT BE ACCEPTED EXCEPT FOR CERTAN CASES CONSIDERED JUSTIFIABLE BY THE ARCHITECT/SHOWLER.

GENERAL NEW WORK NOTES:

- UNLESS NOTED AS EXISTING OR PROVIDED BY OTHERS, CONTRACTOR SHALL PROVIDE ALL MATERIALS SHOWN ON DRAWINGS. ALL MATERIALS PROVIDED SHALL BE NEW, UNUSED CONDITION.
- ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE PROVIDED WITH MINIMUM DISRUPTION TO THE BUILDING SYSTEMS AND STAFF, CONTINUOUS OPERATION OF THE BUILDING SYSTEMS, OUTSIDE OF WORK AREA, SHALL BY MANTANED THROUGHOUT THE EDITE PROJECT, TEMPORARY SHUTDOWN OF SYSTEMS SHALL ONLY BE ALLOWED WITH WRITTEN CONSENT OF OWNER, EXISTING ALARM AND EMERCENCY SYSTEMS SHALL NOT BE DISRUPTED AT ANY TIME DURING THE PROJECT.
- REMORÉ & RENSTALL ENSTANC CONSTRUCTION (CELINGS, LIGHTING, ELECTRICA, EQUIPMENT, RER AJARM DENCES, PLIMISSINNS, ETC.) AS INCESSANT TO COMPLETE THE REMOVALS & REDWONTON WORK REQUIRED BY THE PRANMING & SPECIFICATIONS. REPLACE ANY ITEMS DAMAGED BY OR DUE TO THIS REMOVAL & REASTALLATION WITH NEW ITEMS TO MATCH DUSTRICA, (APPLIES TO AREAS WITHIN & QUITSIGE OF THE PROJECT AREA).
- IN AREAS WHERE CEILING IS BEING REMOVED, EXISTING CONDUITS AND CABLING WHICH ARE NOT INDEPENDENTLY SUPPORTED ABOVE THE CEILING SMALL BE INDEPENDENTLY SUPPORTED FROM THE STRUCTURE ABOVE USING SPECIFIC METHODS.
- SURFACE MOUNT ALL WIRING DEVICES, LIGHTING CONTROLS, TELECOMMUNICATION DEVICES, FIRE ALARM DEVICES, ETC. LOCATED ON EXISTING MASONRY WALLS. PROVIDE SURFACE MOUNTED BOXES, RACEWAYS, WIREMOLD, ETC. PER SPECIFICATIONS.
- 6 COVERS ASSOCIATED WITH JUNCTION AND PULL ROYES SHALL BE READLY ACCESSIBLE
- PROVIDE PULL BOXES WHERE REQUIRED BY CODE AND WHERE NECESSARY FOR CONDUCTOR INSTALLATION. PROVIDE PULL BOXES EVERY 100 FOR ALL EMPTY RACEWAY RUNS. PRIOR TO INSTALLATION OF PULL BOXES, COORDINATE WITH OTHER TRADES.
- PROVIDE SEPARATE RACEWAYS AND BOXES FOR CONDUCTORS OF NORMAL AND EMERGENCY CIRCUITS
- DO NOT COMBINE MORE THAN THREE PHASE CONDUCTORS, THREE NEUTRAL CONDUCTORS PLUS THREE GROUND CONDUCTORS. IN ANY ONE BRANCH CIRCUIT CONDUIT, UNLESS OTHERWISE INDICATED ON DRAWNOS.
- THE USE OF NON-METTALLIC SURFACE RACEWAY OR EXPOSED NON-METTALLIC RACEWAY IN ASSEMBLY SPACES AND MEANS OF EGRESS AREAS IS PROHIBITED.
- THE USE OF SHARED NEUTRALS IN LIGHTING AND RECEPTACLE BRANCH CIRCUITS IS PROHIBITED. PROVIDE SEPARATE NEUTRAL AND GROUND FOR EVERY CIRCUIT.
- 13. WALK-THRU WITH OWNER REPRESENTATIVE AND VERIFY ALL ELECTRICAL DEVICE LOCATIONS PRIOR TO INSTALLATION.
- 14. INSTALL ALL CIRCUITRY PARALLEL OR PERPENDICULAR TO WALLS, FLOOR, AND CEILING.
- REFER TO ELECTRICAL EQUIPMENT AND CONTROL SCHEDULE FOR HVAC/PLUMBING EQUIPMENT CIRCUITRY, CONTROLS & ADDITIONAL INFORMATION.
- 16. TO MAINTAIN DRAWING CLARITY, MOTOR CONTROL DEVICES, FOR HVAC/PLUMBING EQUIPMENT, HAVE NOT BEEN SHOWN. REFER TO ELECTRICAL EQUIPMENT & CONTROL SCHEDULE FOR TYPES OF MOTOR CONTROL DEVICES REQUIRED, LOCATIONS WHERE CONTROL DEVICES ARE SCHEDULED FOR INSTALLATION, AND ADDITIONAL INFORMATION.
- 17. COORDINATE LOCATIONS AND MOUNTING HEIGHTS OF ELECTRICAL EQUIPMENT/DEVICES WITH ARCHITECTURAL PLANS, ELEVATIONS, FURNITURE LAYOUTS, AND WITH OTHER DIVISIONS PRIOR TO INSTALLATION. CORRECT ANY INACCURACY RESULTING FROM FAILURE TO DO SO WITHOUT COST TO OWNER.
- 16. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL SUPPORT HARDWARE FOR SECURELY FASTENING THE ELECTRICAL CONTROL GOVERS AND DIACOSURES TO THE BULDING STRUCTURE. THE REQUIRED HARDWARE MICROSES AND BUT IS NOT HARDED TO, NETWORKING STEEL ANGLE, MICROSTOCK, SCHESTICAL, COSTS, CAMPS, CIT. CAMPS, TO, MONTATOR AS NOCATED IN ELECTRIC EQUIPMENT & CONTROL SCHEDULE(S), ALLOW MAINTENANCE ACCESS AND SERVICE SPACE AT EACH LOCATION.
- . WHERE NEW CIRCUIT BREAKERS ARE REQUIRED FOR INSTALLATION IN EXISTING ELECTRICAL PANELS, CONTRACTOR SHALL PROVIDE CIRCUIT BREAKERS WHICH ARE COMPATIBLE WITH EXISTING ELECTRICAL PANELS. MATCH FRAME SIZES, KAC RATINOS, ETC.
- 20. UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL PROVIDE COMPLETE, TYPE-WRITTEN, AND UP-TO-DATE PANELBOARD DIRECTORIES FOR ALL PANELBOARDS (NEW AND EXISTING) AFFECTED BY THIS PROJECT. PROVIDE OWNER WITH TWO COPIES OF UPDATED PANELBOARD CIRCUIT BEAKER DIRECTORIES.
- 21. EASH PROSEPTIALS, SMITCH HIS AMERICAN BOX, PROVIDED, OR ALTERD, MADER THIS CONTINCT, SHALL BE URBELD WITH THE CORRESPONDING POWER PONEL MAKE AN ORDER PROVIDED THE STREET THE LIGHT OF SHALL BE THE PROPERTIEN USING A LABEL MADER AND SHALL BE FERMADERILY AFFRED TO EACH FACEFULATE, HANDWRITTEN TO BE CHILDRED. PROVIDE LIGHT OF MEET OWNER PROVIDED WITH ON MEET OWNER PROVIDED LIGHT ON MEET OWNER PROVIDED LIGHT ON MEET OWNER PROVIDED WITH ON MEET OWNER PROVIDED LIGHT ON MEET.
- 22. ALL TIDUS THAT REQUER ACCESSES BY PERSONS STANDARD, SERVICINO, SEMPLINO, MAINTENANCE, AND CAUBBRITON.
 SHALL BE DESLY AND SEFELY ACCESSES BY PERSONS STANDARD AT FLOOR LIVEL, OR STANDARD ON PERMANENT
 PAUTOMAS, WHITCH THE OF POPMAGE LADDRESS. DAMPLES OF THESE TIMES INCLUDE THAT BY HAVE TO LIVET OF THE PAUTOMAS WHITCH THE OF THE PAUTOMAS WHITCH THE PAUTOMAS WHITCH THE PAUTOMAS OF THE PAUTOMAS OF
- 22. CLEANNO DURING ELECTRICAL WORK: CLEAN THE ROOMS AND AREAS OF WORK THAT WILL BE DONE TO MINURAZE DISTURBANCE IN THE BULLDINGS, WORKERS ARE TO USE PATHWAYS AND FACULTES AGREED UPON WITH THE DISTRICT DESONEE IN WRITHS. THE AREA OUTSECHE BULLDING WERE CUTTING WELDOW OR STORAGE IS ALLORED IS TO BE FRUED AT ALL TMES. THE CONTRACTOR WILL ON A DAILY BASIS CLEAN THE GROUNDS AND THE BULLDING OF ANY DEBRIS OR CARBORIC GENERALDED YTHER WORK.

COORDINATION_NOTE

LOCOPENDOM. OF THE SEPTIMENT OF THE SEPT

ABBREVIATIONS

FLUORAWGPNLGCAUPRIGFIBKRSCGNDSWCBHPTELCKTHVAC-

TYPICAL
DEMOLISH/DEMOLITION
KLOVOLT AMPS
UNDERGROUND ELECTRIC
DETAIL
KILOWALS
KILOWALS
UNLESS NOTED OTHERWISE
DRAWING
LIGHTING
EACH
MECHANICAL CONTRACTOR

LISHING
MECHANICAL CONTRACTOR
ELECTRICAL CONTRACTOR
ELECTRICAL CONTRACTOR
WINE GUARD
EXHAUST FANT BREAKER
MAN REGENEY
MAN DISTRIBUTION PANEL
TRANSFORMER
ELECTRICAL CONTRACTOR
MECHANICAL CONTRACTOR
VERIFY IN FIELD
BREVATIONS MAY OR MAY NO

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YONKERS PUBLIC SCHO FIRE RESTORATIONS CROSS HILL ACADEMY

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ISSUED FOR BID
CRAWN BY JAM CHECKED BY JE JEDH ET 30° x 42° AS NOTED SHEET TITLE

EAR PROJECT NO. Y21CH01

CHA E-001

C1. CLOCK (NO DESIGNATION DENOTES CLASSROOM CLOCK).
C1 - DENOTES SINGLE FACE HALLWAY CLOCK.
C2 - DENOTES DIAL FACE HALLWAY CLOCK. OCCUPANCY SENSOR

C# — INDICATES CEILING SENSOR TYPE
(REFER TO OCCUPANCY SENSOR
SCHEDULE)

W# — INDICATES WALL SENSOR TYPE
(REFER TO OCCUPANCY SENSOR
SCHEDULE). WALL-MOUNTED EXIT LIGHT. HATCH MARKS INDICATES ILLUMINATED FACE, ARROW INDICATES DIRECTION OF TRAVEL. 2'x4' CEILING MOUNTED LIGHT FIXTURE, F# INDICATES TYPE. F# 2'x2' CEILING MOUNTED LIGHT FIXTURE, F# INDICATES TYPE.

FIRE ALARM NOTES:

- CONTRACTOR SHALL VERIFY AND COORDIANTE WITH THE BUILDING FIRE ALARM MAINTENANCE VENDOR FOR TYPE OF FIRE ALARM DEVICES TO BE USED.
- CONTRACTOR SHALL BE RESPONSIBLE TO RETAIN AND COORDINATE THE BUILDING FIRE ALARM MAINTENANCE VENDOR FOR PROGRAMMING AND FINAL CONNECTIONS. CONTRACTOR SHALL INCLUDE PROGRAMMING AND FINAL CONNECTION COSTS IN THEIR BID.
- FIRE ALARM WIRING DIAGRAMS SHOWN ARE GENERAL ARRANGEMENTS ONLY. OBTAINED PRIOR TO THE COMMENCEMENT OF THE WORK. ALL PERMIT COSTS AND INSPECTION FEES SHALL BE INCLUDED AS PART OF THIS CONTRACT.
- CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN AND PROTECT FIRE ALARM NOTIFICATION DEVICES, SMOKE DETECTORS AND OTHER FIRE ALARM SAFETY DEVICES IN OPERATION AT ALL TIMES. IF ANY PORTION OF FIRE ALARM SYSTEM IS DISABLED, NOTIFY BUILDING CUSTODIAN IMMEDIATELY.
- IN AREAS WERE DUST AND DIRT WILL BE ARROUNDE DURING DEALLING AND CONSTRUCTION THE CONTINUED SHALL REVORTE DEALLING AND CONSTRUCTION THE CONTINUED SHALL REVORTED AND CONTINUED AND CONTINUED AND AND CONTINUED AND C
- UNLESS DIRECTED OTHERWISE BY FIRE ALARM SYSTEM MANUFACTURER FIRE ALARM DEVICE WIRING SHALL BE AS FOLLOWS (FOR BIDDING

- FIRE ALAM EDVICE WINNS SHALL BE AS FOLLOWS FOR BOOMD PROPOSES ONLY.

 PROPOSES ONLY.

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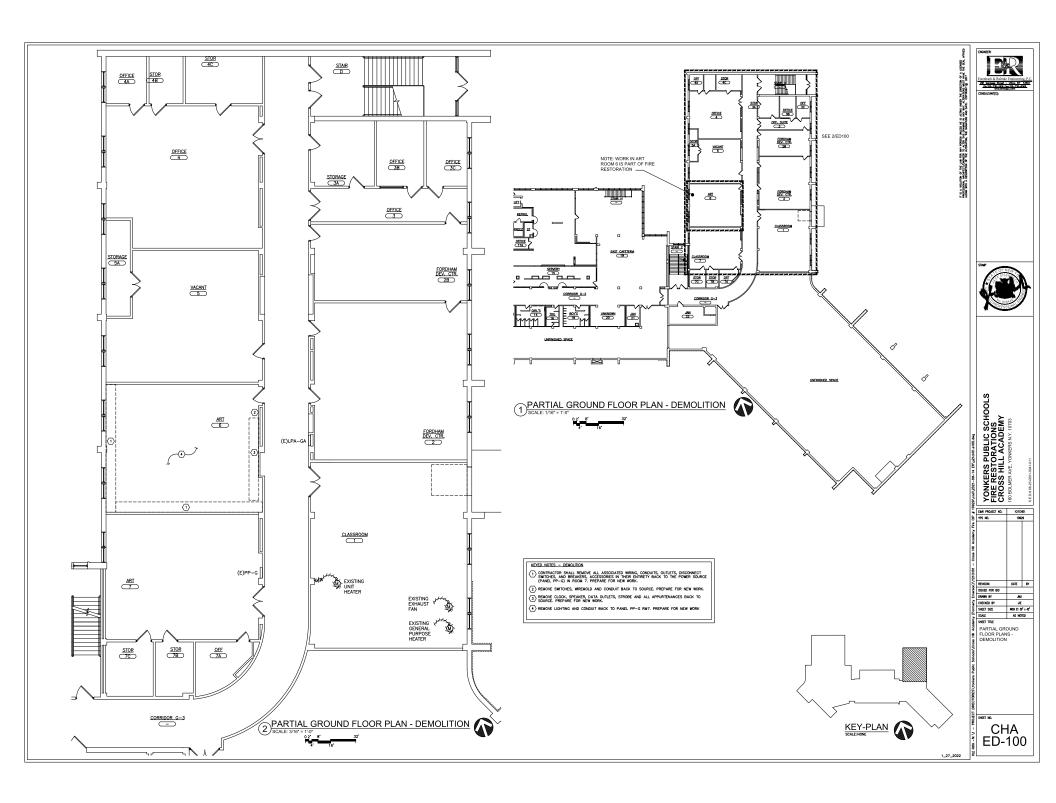
 THE CABLE SHALL BE A TYPE ETP (CEDIMIN TYPE) WHEN CONDUIT

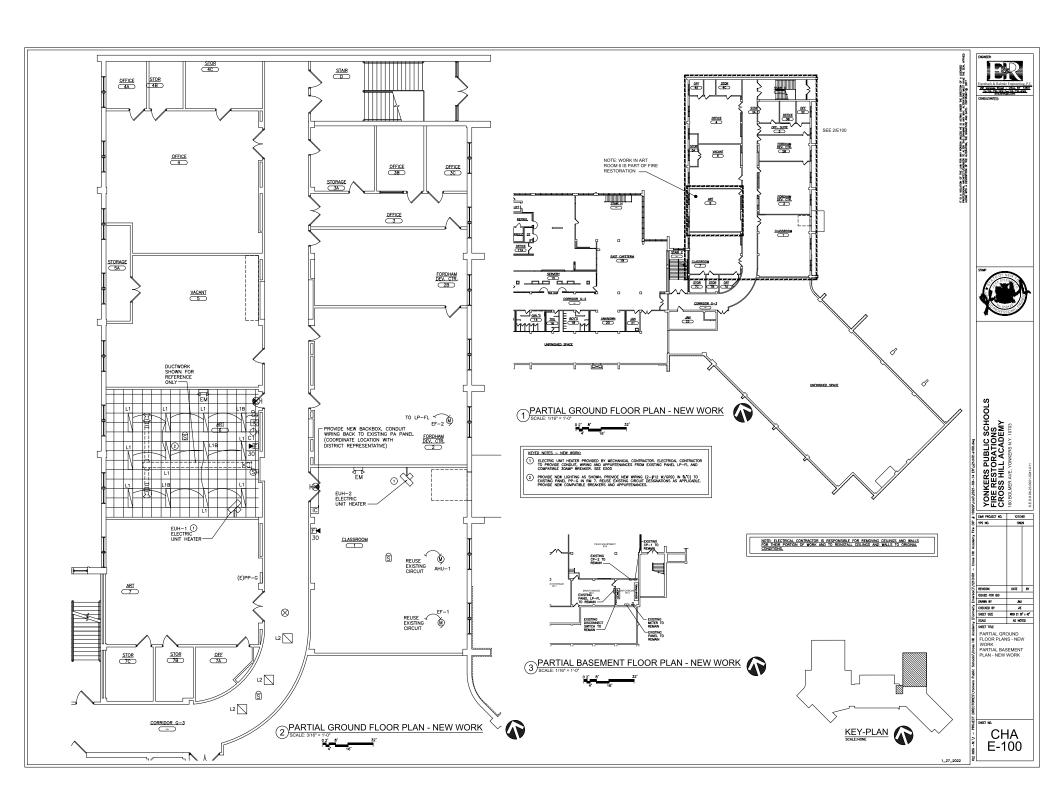
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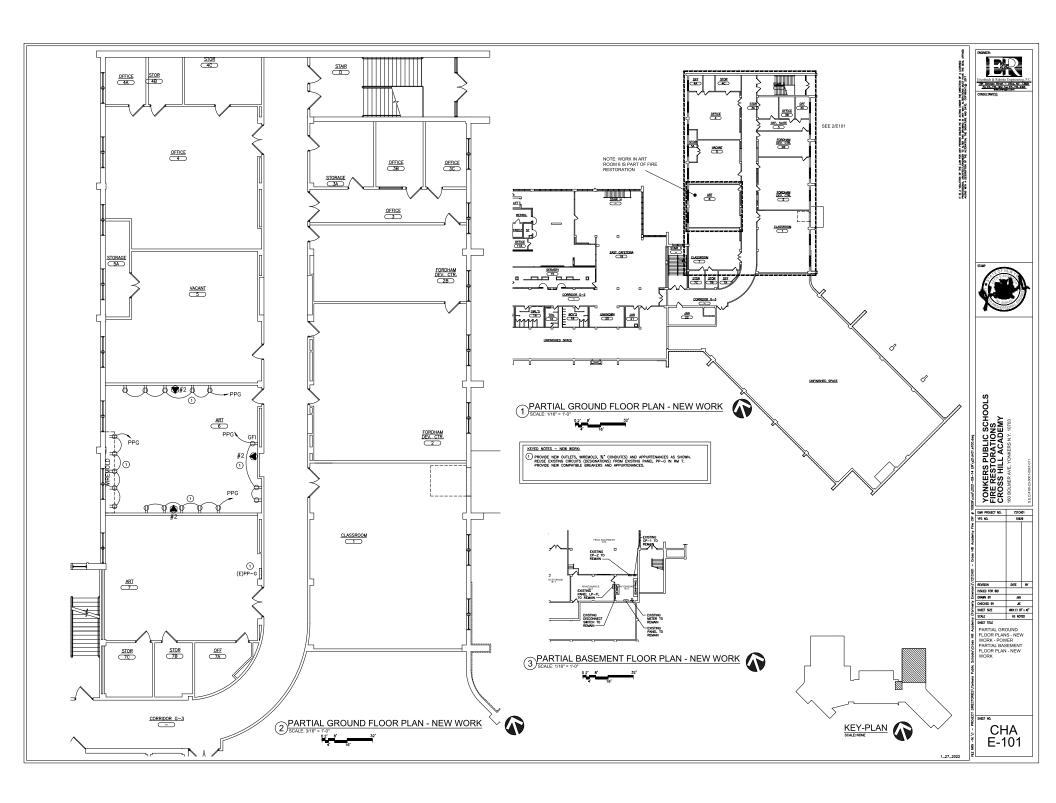
 SO THE STATE OF THE CABLE SHALL BE AND STATE OF THE ALAMS SYSTEM

 MANAFACTURER THEORY SHALL BE AND SUSTEM SHAMMARKETURER THEORY

 MANAMAZICURER THEORY SHALL BE AND SUSTEM SHAMMAZICURER THEORY.
- PROVIDE MC FIRE ALARM CABLE WITH RED STRIPE AS MANUFACTURED BY ARS SERVES 1800 WHEN CABLE IS COMCEALED OR AROVE HUNG CONCEALED AND ARROWS HUNG CONCEALED AND ARROWS CABLE SHALL RUN IN WERE MER ALARM CABLE IS RUN EXPOSED IN UNFINISHED AREAS, PROVIDE PLENUM RATED CABLE IN MIN. \$7 CONDUCT.
- STROBES SHALL HAVE A MINIMUM LIGHT OUTPUT OF 75 CANDELA AND A FLASH RATE OF 1-3 HZ.
- 10. SOUTDWIN OF HAVE SYSTEM EQUIPMENT ANT LIMITER TO, BOOF FOP, DEMONSTRANCE TO, OF GOOD CAN OF ROBATER, SHALL BY PERFORMED VIA A RELAY INTERFACE SYSTEM. SEND SHOWL TO BULINDEN, AUTOMATED TEMPERATURE CONTINUE, CICY, SYSTEM MENCATING ANTO SYSTEM MENCATING AND SYSTEM MENCATING AND SYSTEM MENCATING AND SYSTEM MENCATING AND SYSTEM OF COMPANIES SHALL BE SCOLUMENTS.
- AFTER THE SYSTEM MODIFICATIONS ARE COMPLETE TEST ALL COMPONETS IN ACCORDANCE WITH SEQUENCE OF OPERATION PRIOR TO FIRE DEPARTMENT INSPECTION.
- A CARBON MONOXIDE DETECTORS SHALL BE PROVIDED IN ALL BOILER ROOMS, ACTIVATION INITIATE A SUPERVISORY SIGNAL AT THE FIRE ALARM CONTROL. PARIL, AND ANNULCATOR PARIL, WHEN 70 PPM ARE REACHED WITHIN 60-240 MINUTES OR 150 PPM ARE REACHED WITHIN 10-50 PER IOL 2004.







ER
Eisenhach & Ruhnke Engineering, P.O.
Pt-111-170-1704 Fee-111-170-4704
COMSULTANT(S):

IT IS A VICLATOR OF THE LAW FOR MAY PORSON UNITES HE IS ACTHOLUNGER THE DISCUSION PROTECTION. ACHITECTION STORES TO ALTER THE SOMERAL WAY NAVEL TO STORE THE SOMERAL OF SECULIAR WHY A DESCRIPTION OF THE ALTERATION, THE SOMERAL MO DAYS. OPERATION OF	00
IT IS A VICLATOR PROTESSIONAL AS ALOND WITH A DE	

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YONKERS PUBLIC SCHOOLS SIRE RESTORATIONS CROSS HILL ACADEMY	60 BOLMER AVE, YONKERS N.Y. 10703
SHS SHS	60 BOL

REVISION	DATE	BY				
ISSUED FOR BID		_				
DRAWN BY	JMU					
CHECKED BY	Æ					
SHEET SIZE	#RDH E1 30" x 42"					
cou c	40.00	DCO.				

ECKED RL	Æ
EET SIZE	WELL TO AN
WE	AS NOTE
EET TITLE	
SCHEDULE AND DETAIL	

CHA E-500

	ELECTRIC EQUIPMENT AND CONTROL SCHEDULE																			
EQUIPMENT							SUPPLY	SUPPLY							CONTROLLER DEVICE TYPE & ACCESSORIES (UNO, PROVIDED BY ELECTRICAL CONTRACTO			BY ELECTRICAL CONTRACTOR)		
DESIGNATION	DESCRIPTION	ROOM LOCATION	ROOM SIZE LOCATION	SIZE VOLTAGE/ PHASE		VOLTAGE/ PHASE	PANEL/CONTROL CENTER	CIRCUIT NUMBER	BREAKER SIZE	PANEL TO CONTROL C		POWER WIF CONTROL U EQUIPMENT	CONTROL UNIT TO (SIZED PER EQUIPMENT NEC)		(SIZED PER DEVICE NEC) INSTALL	FIRE ALARM FAN SHUTDOWN	DISCONNEC	CT SWITCH	SWITCH REF. NOTES	
			HP	WATTS	S FLA	1				WIRE	COND.	WIRE	COND.	1 '	LOCATION	(DSD)	FRAME	FUSE	LOCATION	1
EF-1	EXHAUST FAN	CLASSROOM 1		434	14	115-60-1	REUSE EXISTING	RE	20	#12	¾"	BUILT-IN		YES	AU	YES	30	N/A	BUILT-IN	1
EF-2	EXHAUST FAN	FORDHAM RM 2		908	14	115-60-1	LP-FL		20	#12	¾"	BUILT-IN		YES	AU	YES	30	N/A	BUILT-IN	1
EUH-1	ELECTRIC UNIT HEATER	ART RM 1		5KW	24	208/3/60	LP-FL		50	#10	%"	BUILT-IN		YES	AU		60	N/A	BUILT-IN	1
EUH-2	ELECTRIC UNIT HEATER	CLASSROOM 1		5KW	24	208/3/60	LP-FL		50	#10	**	BUILT-IN		YES	AU		60	N/A	BUILT-IN	1
AHU-1	AIR HANDLING UNIT	CLASSROOM 1	2.0		7.8	208/3/60	REUSE EXISTING	RE	20	#12	¾⁻	BUILT-IN		YES	AU	YES	30	N/A	BUILT-IN	1
i																				

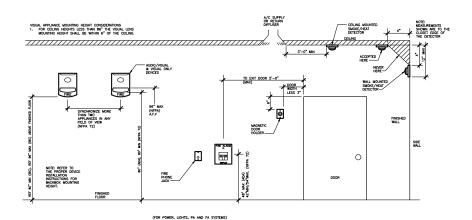
AU - AT UNIT
N/A - NOT APPLICABLE
FRAC. - FRACTIONAL

1. FOLLOW NEC REQUIREMENTS.

	DEVICE/FIXTURE SCHEDULE										
TYPE DESCRIPTION MOUNTING DESIGN BASIS ACCEPT, MFR'S.											
₩30	AUDIO/VISUAL SIGNALING DEVICE. NUMBER DENOTES CANDELA RATING.	SEE DEVICE LOCATION DETAIL THIS DWG	P2RL (RED) (HONEYWELL)	OR APPROVED EQUAL							
A	HEAT DETECTOR	SEE DEVICE LOCATION DETAIL THIS DWG	FST-851(A) W/B210LP(A) (HONEYWELL)	OR APPROVED EQUAL							
ß	SMOKE DETECTOR	SEE DEVICE LOCATION DETAIL THIS DWG	FSP-851(A) W/B200S(CQA) (HONEYWELL)	OR APPROVED EQUAL							
₽	VISUAL SIGNALING DEVICE, NUMBER DENOTES CANDELA RATING.	SEE DEVICE LOCATION DETAIL THIS DWG	SRL (RED) (HONEYWELL)	OR APPROVED EQUAL							
ă	EMERGENCY WALL LIGHT		SURE-LITES SELSOR7WHSD SELF DIAGNOSTIC, ROUND LENSE (WHITE) (COOPER)	OR APPROVED EQUAL							

_												
Г	LIGHT FIXTURE SCHEDULE											
Г	TYPE DESCRIPTION LAMPS VOLTAGE/DRIVER MOUNTING DESIGN BASIS ACCEPT. MFR'S. RD											
	ıı	GRAD LINEAR 8"x4"-0"	4000K	120	PENDENT LINEAR	UTHONIA LIGHTING GRD-LSL-4FT-MSL4-80CRS-40K -D1000LMF 20/80-MIN1-ZT-120V -E10RL0P-F1A/-24A-C202-0U	OR APPROVED EQUAL	NOTE 1				
	12	LED FLAT PANEL 2'X2'	4000K	120-277	LAY-IN	RAB LIGHTING EZPANFA-2x2-D10-E2 40W W/ ALL APPURTENANCES	OR APPROVED EQUAL					

EID- BETTER BOOKP NOTES. 1. CORRECTOR TO FILE DERBY EACH STEM LENGTH IN FILE (AV. 'N BASIS OF DESIGN) THE LIGHT FIXTURE SHOULD BE MOUNTED AT SAME HEIGHT OF FRINAND FLOOR TO MIXED THE BOTTOM OF LOWEST DUCTHORS: RETILLATION NOT TO CREATE SHOUGH



PROVIDE NEW CONTROL WIRING AND §* CONDUIT TO EXISTING FA PANEL CONNECT PER NFPA 72 —

(NOT ALL DEVICES ARE SHOWN SEE ACTUAL FLOOR PLANS FOR GUNIFIES)
PARTIAL FIRE ALARM
RISER DIAGRAM
SCALE: NONE

DUCTWORK SMOKE
DETECTOR INSTALLATION
SCALE: NONE