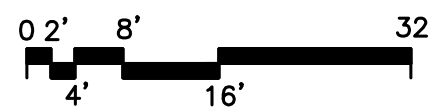


1 OVERALL
GROUND FLOOR PLAN
SCALE: 1/16" = 1'-0"



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ENGINEER:



CONSULTANT(S):

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

S.E.D.# 66-23-0001-0041-011

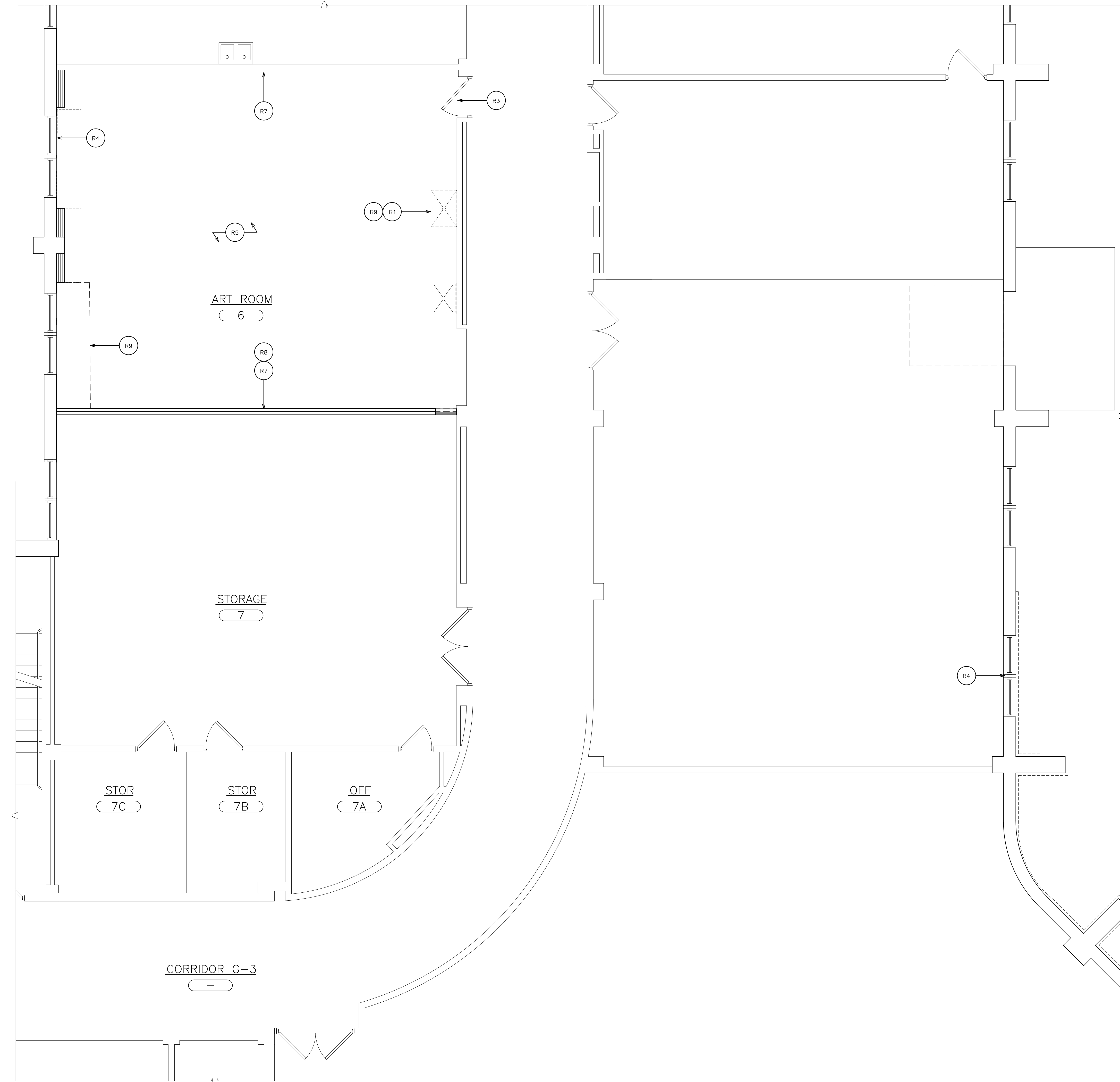
ENR PROJECT NO.	Y210461
YPS NO.	10929

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SCALE		
SHEET TITLE		

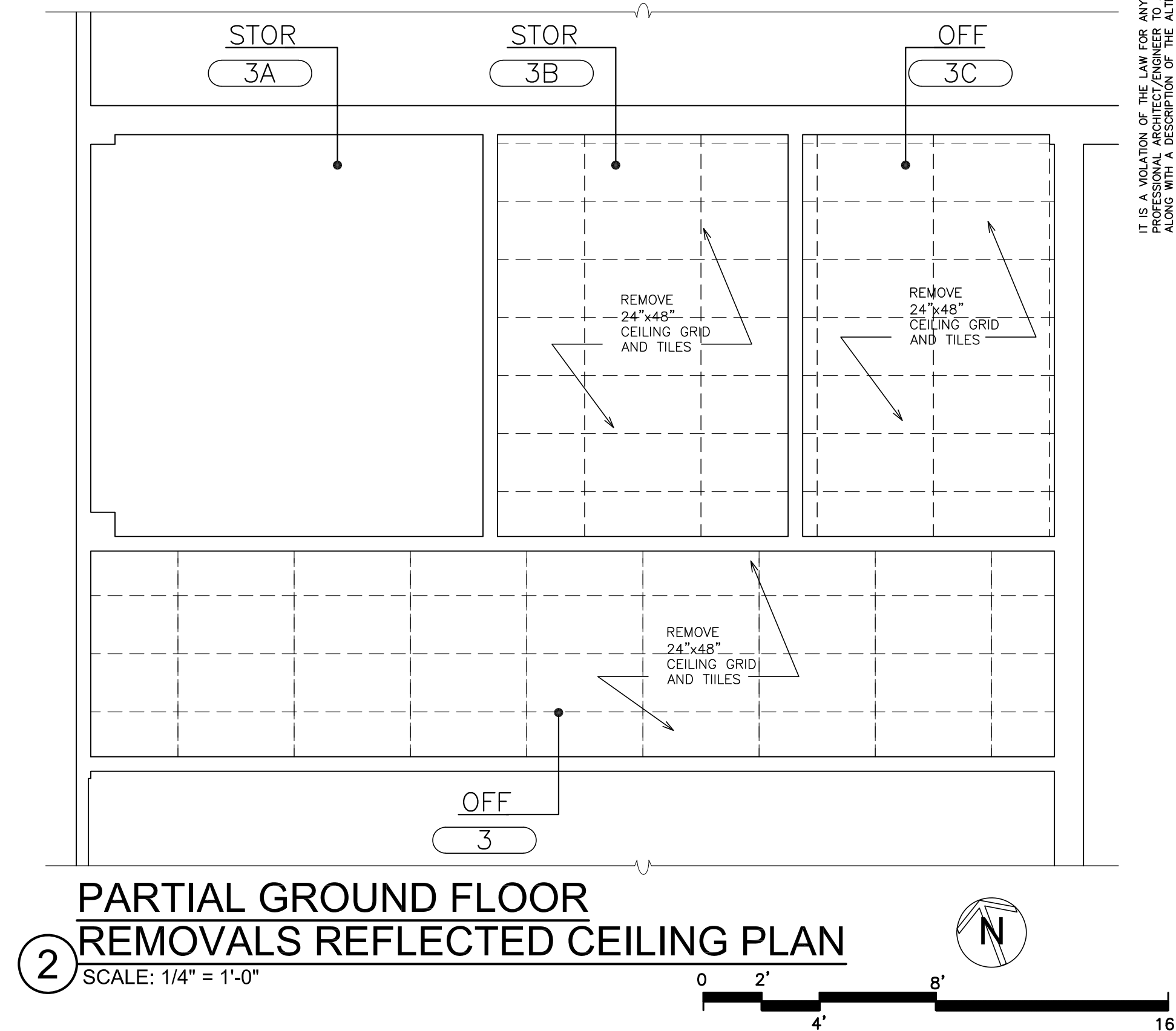
CROSS HILL ACADEMY
OVERALL GROUND FLOOR PLAN
FIRE DAMAGE

SHEET NO.

CHA
A10



**PARTIAL GROUND FLOOR
REMOVAL PLAN**
① SCALE: 1/4" = 1'-0"



**PARTIAL GROUND FLOOR
REMOVALS REFLECTED CEILING PLAN**
② SCALE: 1/4" = 1'-0"

REMOVAL NOTES:			
R1	REMOVE PLUMBING FIXTURES, TRIM AND RELATED ITEMS IN THEIR ENTIRETY. REFER TO PLUMBING DRAWINGS BY P.C..		
R2	REMOVE MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWING BY M.C.		
R3	REMOVE DOOR, DOOR FRAME & DOOR HARDWARE IN ITS ENTIRETY.		
R4	REMOVE EXISTING WINDOW & WINDOW FRAME IN THEIR ENTIRETY. THE CAULK AT THE PERIMETER OF THE FRAME IS PCB CONTAINING - NOT HAZARDOUS. GLAZING COMPOUND AROUND GLASS ITSELF DOES NOT CONTAIN ASBESTOS OR PCBs.		
R5	REMOVE EXISTING SUSPENDED ACOUSTIC TILE CEILING SYSTEM AND RELATED ITEMS IN THEIR ENTIRETY. E.C. SHALL DISCONNECT AND REMOVE LIGHTS AND RELATED WIRING.		
R6	REMOVE EXISTING SUSPENDED PLASTER, METAL FRAME AND SOFFIT CEILING SYSTEM AND ALL RELATED ITEMS IN THEIR ENTIRETY. E.C. SHALL DISCONNECT AND REMOVE LIGHTS AND RELATED WIRING.		
R7	REMOVE EXISTING TACKBOARD AND ADHESIVES AND RELATED ITEMS IN THEIR ENTIRETY.		
R8	REMOVE EXISTING FULL HEIGHT GYPSUM BOARD AND ALL RELATED ITEMS IN THEIR ENTIRETY FROM FLOOR TO STRUCTURE ABOVE DOWN TO STUD.		
R9	REMOVE EXISTING BUILT-IN CABINETRY, COUNTERTOPS AND RELATED ITEMS IN THEIR ENTIRETY.		
R10	REMOVE EXISTING TACKBOARD/MARKERBOARD, ADHESIVES AND RELATED ITEMS IN THEIR ENTIRETY.		
R11	HC SHALL REMOVE EXISTING DUCTWORK. GC SHALL REMOVE EXISTING UPPER SASH OF DOUBLE HUNG WINDOWS AND REPLACE WITH 2" INSULATED PANELS WITH DARK BRONZE METAL PANEL FACING @ EACH SIDE WITHIN EXISTING WINDOW FRAME. PROVIDE SNAP TRIM AND ACCESSORIES AS REQUIRED.		

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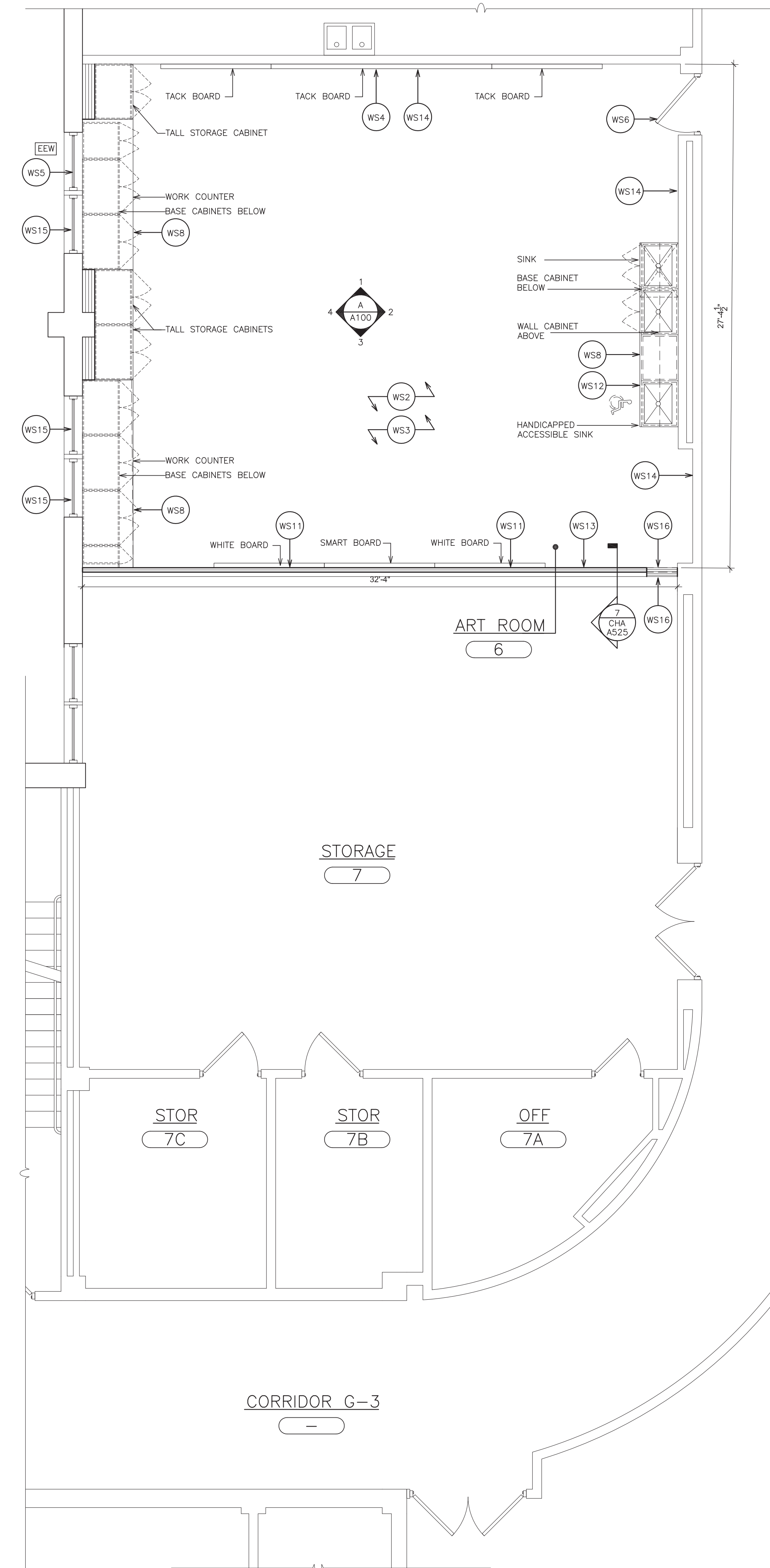
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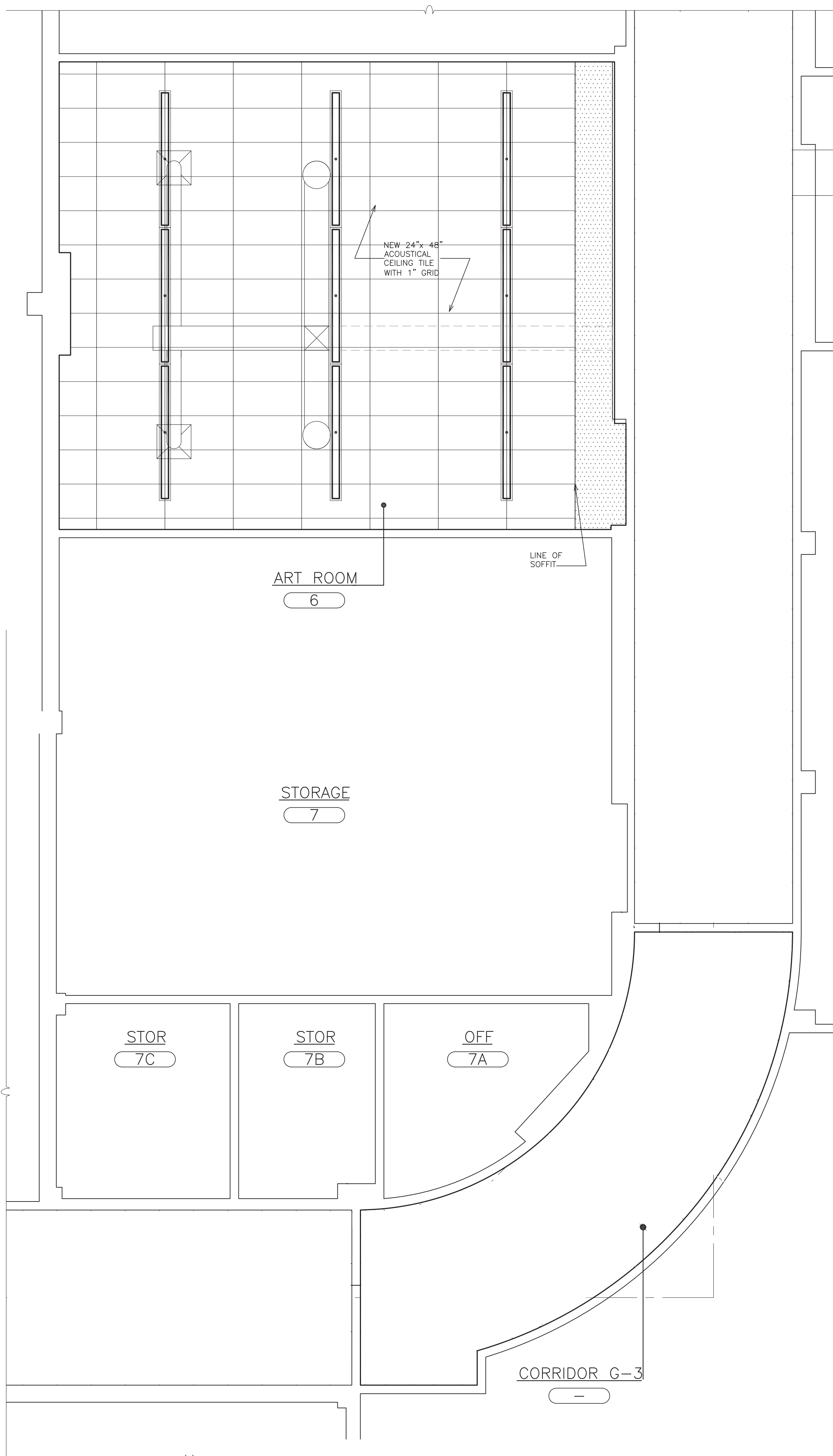
**YONKERS PUBLIC SCHOOLS
FIRE RESTORATIONS
CROSS HILL ACADEMY**
160 BOLMER AVE, YONKERS N.Y. 10703
S.E.D.# 66-25-0001-0041-011

E&R PROJECT NO.	Y210401			
YPS NO.	10929			
REVISION	DATE	BY		
ISSUED FOR BID				
DRAWN BY				
CHECKED BY				
SHEET SIZE	ARCH (1) 30" x 42"			
SCALE				
SHEET TITLE				
CROSS HILL ACADEMY PARTIAL GROUND FLOOR PLAN FIRE DAMAGE REMOVAL PLANS				
SHEET NO.				
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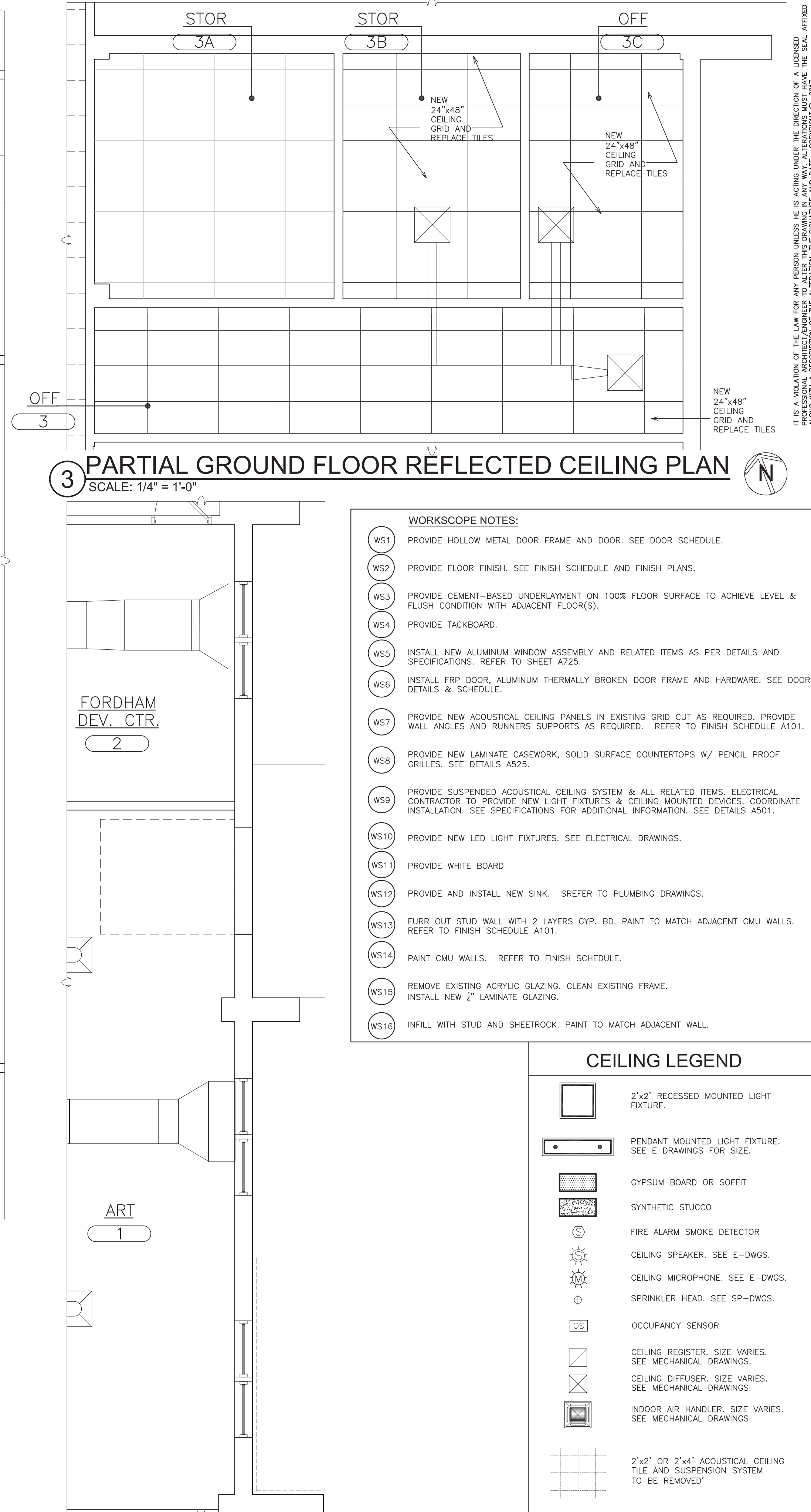
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1 PARTIAL GROUND FLOOR FLOOR PLAN
SCALE: 1/4" = 1'-0"



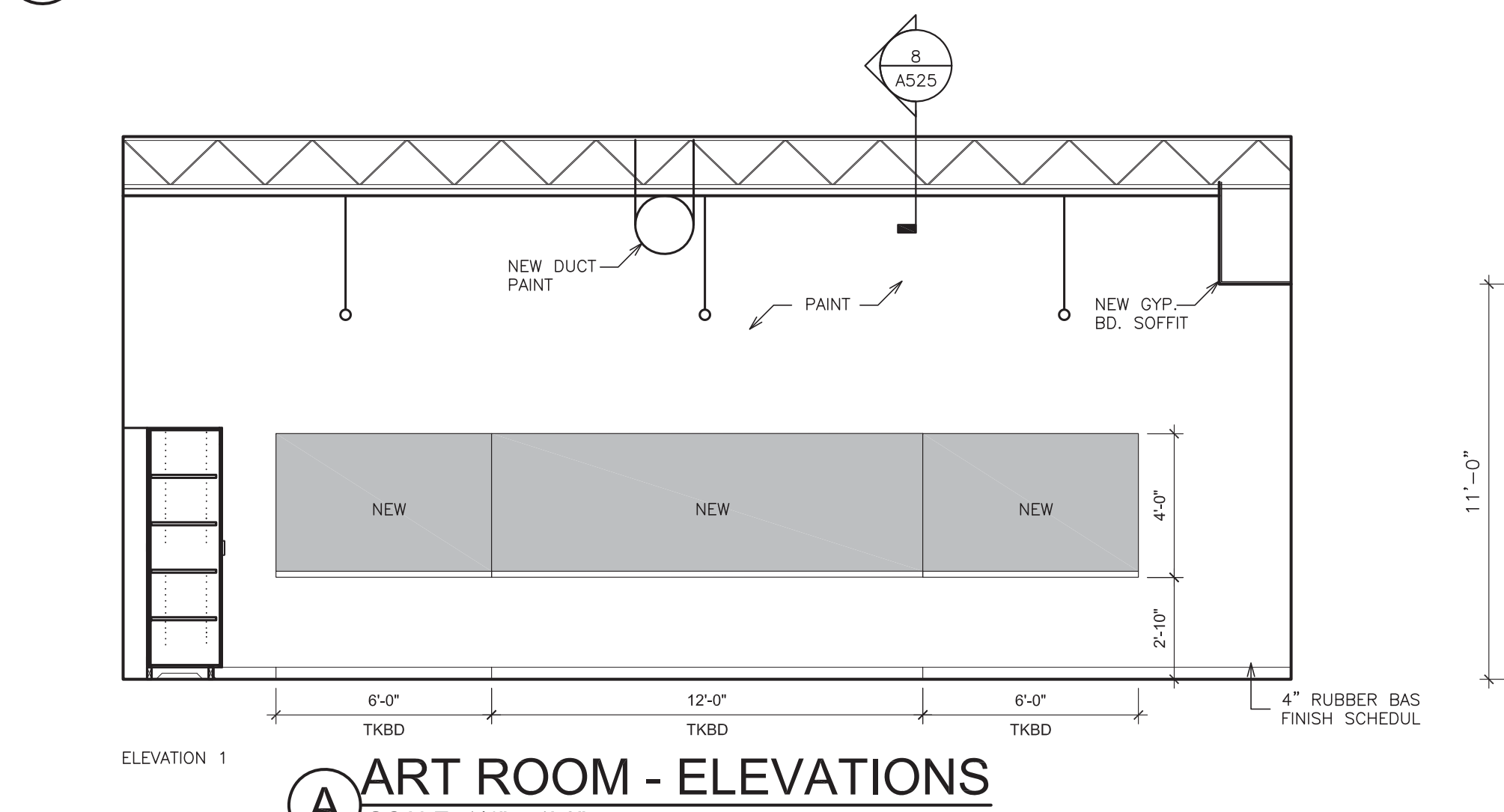
2 PARTIAL GROUND FLOOR REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"



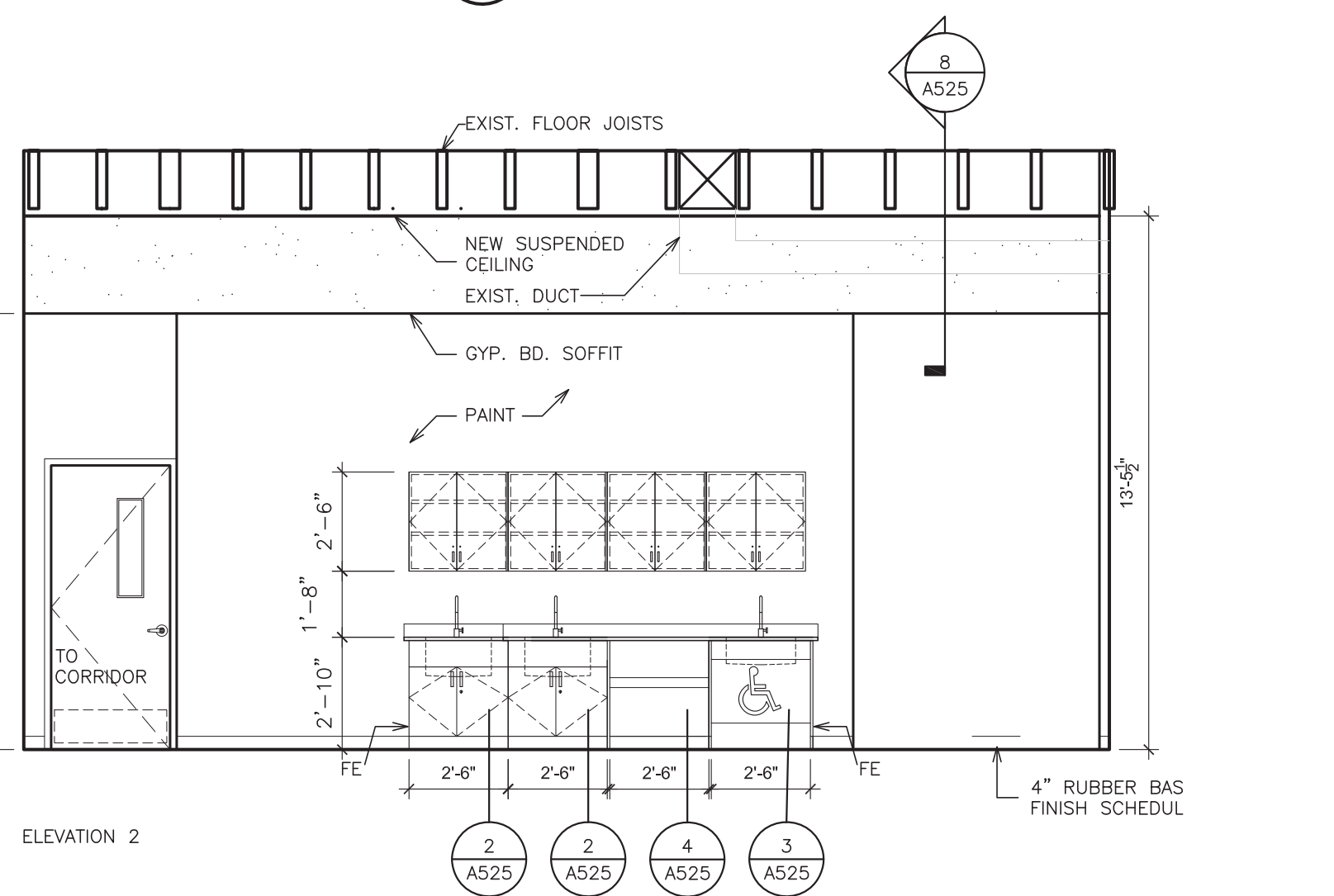
3 PARTIAL GROUND FLOOR REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

- WORKSCOPE NOTES:**
- WS1 PROVIDE HOLLOW METAL DOOR FRAME AND DOOR. SEE DOOR SCHEDULE.
 - WS2 PROVIDE FLOOR FINISH. SEE FINISH SCHEDULE AND FINISH PLANS.
 - WS3 PROVIDE CEMENT-BASED UNDERLAYMENT ON 100% FLOOR SURFACE TO ACHIEVE LEVEL & FLUSH CONDITION WITH ADJACENT FLOOR(S).
 - WS4 PROVIDE TACKBOARD.
 - WS5 INSTALL NEW ALUMINUM WINDOW ASSEMBLY AND RELATED ITEMS AS PER DETAILS AND SPECIFICATIONS. REFER TO SHEET A725.
 - WS6 INSTALL FRP DOOR, ALUMINUM THERMALLY BROKEN DOOR FRAME AND HARDWARE. SEE DOOR DETAILS & SCHEDULE.
 - WS7 PROVIDE NEW ACOUSTICAL CEILING PANELS IN EXISTING GRID CUT AS REQUIRED. PROVIDE WALL ANGLES AND RUNNERS SUPPORTS AS REQUIRED. REFER TO FINISH SCHEDULE A101.
 - WS8 PROVIDE NEW LAMINATE CASEWORK, SOLID SURFACE COUNTERTOPS W/ PENCIL PROOF GRILLES. SEE DETAILS A525.
 - WS9 PROVIDE SUSPENDED ACOUSTICAL CEILING SYSTEM & ALL RELATED ITEMS. ELECTRICAL CONTRACTOR TO PROVIDE NEW LIGHT FIXTURES & CEILING MOUNTED DEVICES. COORDINATE INSTALLATION. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. SEE DETAILS A501.
 - WS10 PROVIDE NEW LED LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS.
 - WS11 PROVIDE WHITE BOARD
 - WS12 PROVIDE AND INSTALL NEW SINK. SREFER TO PLUMBING DRAWINGS.
 - WS13 FURR OUT STUD WALL WITH 2 LAYERS GYP. BD. PAINT TO MATCH ADJACENT CMU WALLS. REFER TO FINISH SCHEDULE A101.
 - WS14 PAINT CMU WALLS. REFER TO FINISH SCHEDULE.
 - WS15 REMOVE EXISTING ACRYLIC GLAZING. CLEAN EXISTING FRAME. INSTALL NEW 1" LAMINATE GLAZING.
 - WS16 INFILL WITH STUD AND SHEETROCK. PAINT TO MATCH ADJACENT WALL.

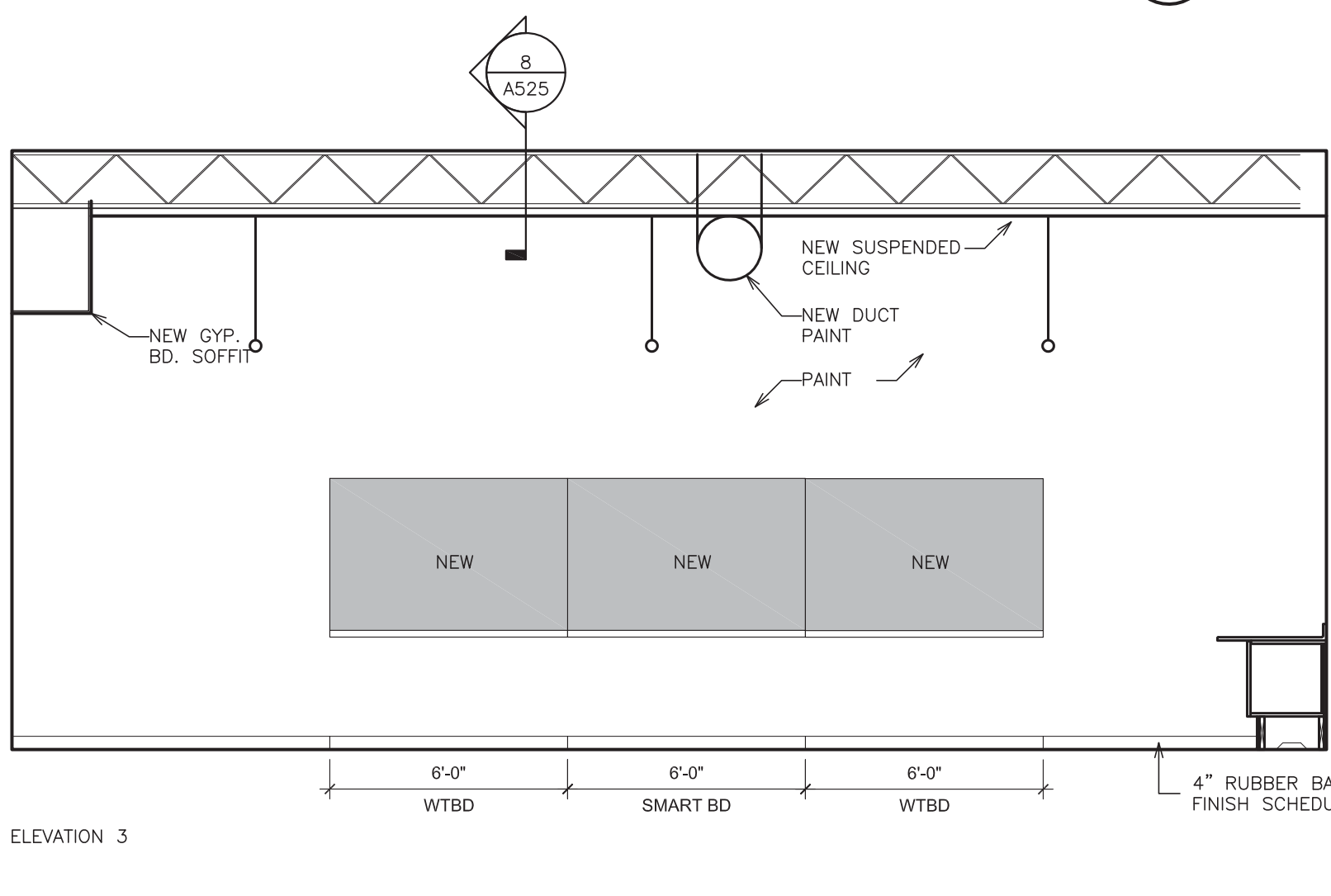
CEILING LEGEND	
	2'x2' RECESSED MOUNTED LIGHT FIXTURE.
	PENDANT MOUNTED LIGHT FIXTURE. SEE E DRAWINGS FOR SIZE.
	GYPSUM BOARD OR SOFFIT
	SYNTHETIC STUCCO
	FIRE ALARM SMOKE DETECTOR
	CEILING SPEAKER. SEE E-DWGS.
	CEILING MICROPHONE. SEE E-DWGS.
	SPRINKLER HEAD. SEE SP-DWGS.
	OCCUPANCY SENSOR
	CEILING REGISTER. SIZE VARIES. SEE MECHANICAL DRAWINGS.
	CEILING DIFFUSER. SIZE VARIES. SEE MECHANICAL DRAWINGS.
	INDOOR AIR HANDLER. SIZE VARIES. SEE MECHANICAL DRAWINGS.
	2'x2' OR 2'x4' ACOUSTICAL CEILING TILE AND SUSPENSION SYSTEM TO BE REMOVED
	2'x2' OR 2'x4' ACOUSTICAL CEILING TILE AND SUSPENSION SYSTEM ACT-1 2'x2' ACT-2 2'x4'



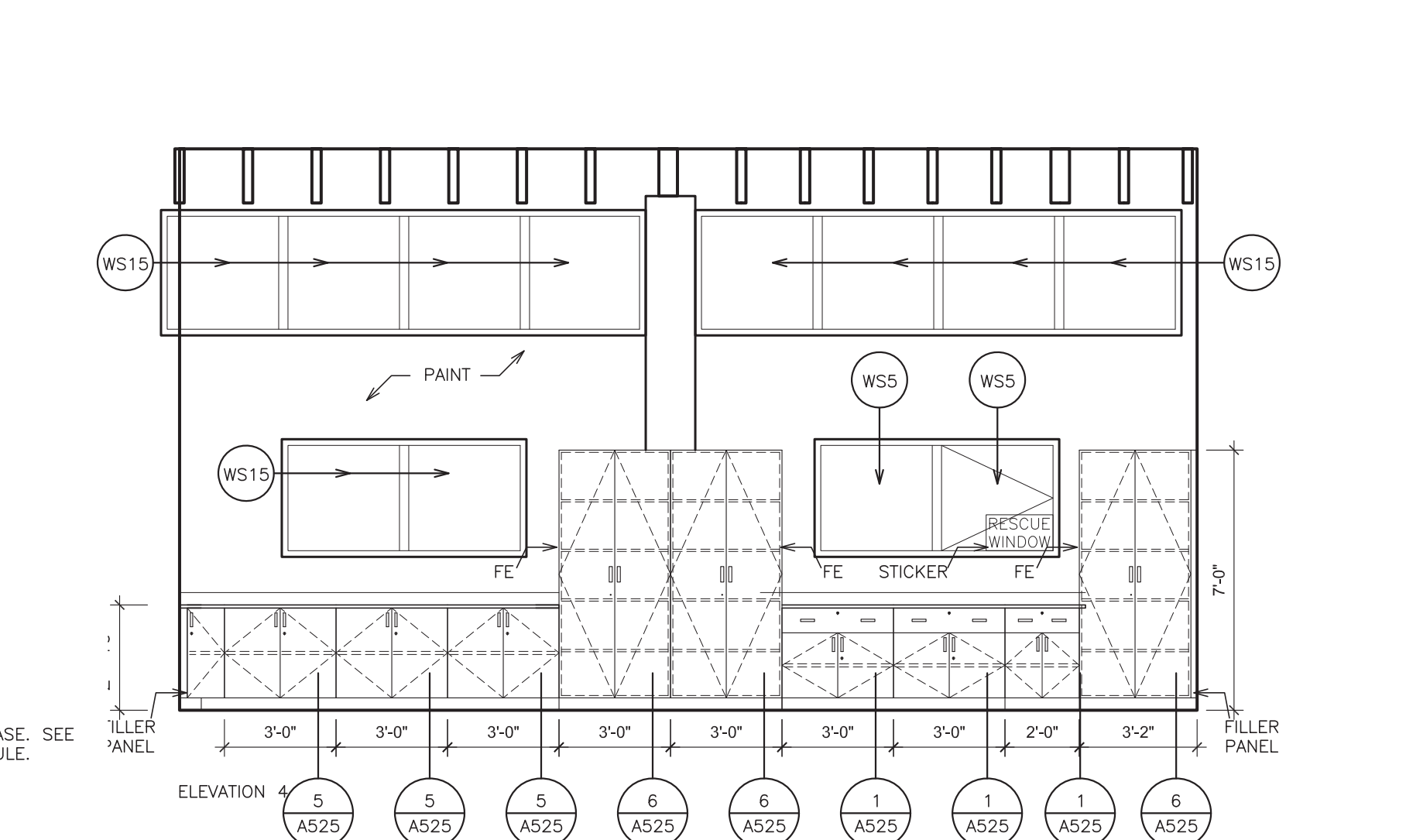
A ART ROOM - ELEVATIONS
SCALE: 1/4" = 1'-0"



B ART ROOM - ELEVATIONS
SCALE: 1/4" = 1'-0"



C ART ROOM - ELEVATIONS
SCALE: 1/4" = 1'-0"



D ART ROOM - ELEVATIONS
SCALE: 1/4" = 1'-0"

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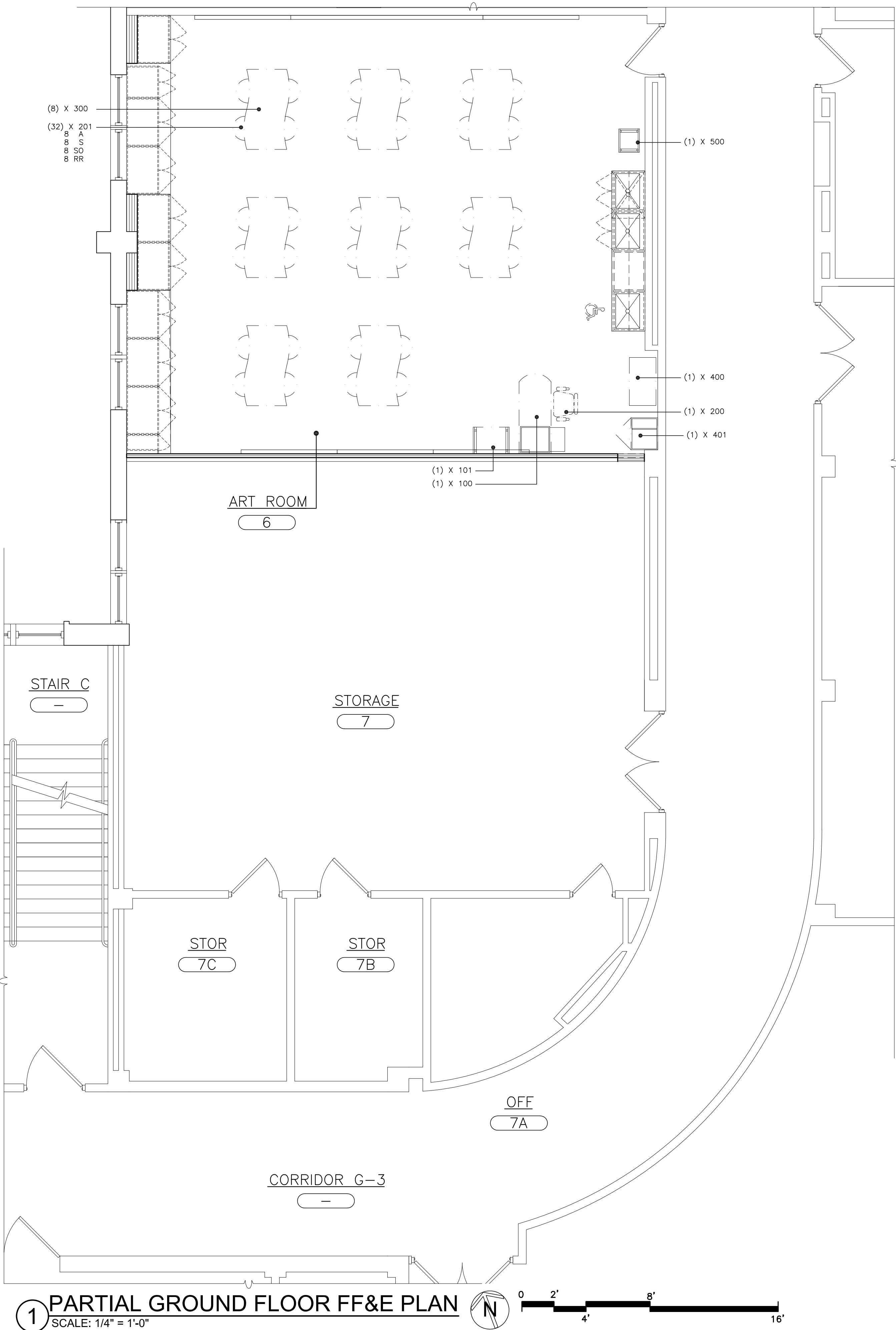
S.E.D.# 66-23-0001-0041-011

E&R PROJECT NO.	Y21CH01
YPS NO.	10929
REVISION	DATE BY
ISSUED FOR BID	
DRAWN BY	
CHECKED BY	
SHEET SIZE	ARCH E1 30" x 42"
SCALE	
SHEET TITLE	

CROSS HILL ACADEMY
PARTIAL GROUND FLOOR PLAN
REFLECTED CEILING PLAN

SHEET NO.

**CHA
A100**



1 PARTIAL GROUND FLOOR FF&E PLAN
SCALE: 1/4" = 1'-0"

FF&E SCHEDULE - CROSS HILL ACADEMY					
ITEM	QTY.	ITEM	MANUFACTURER	LINE	DESCRIPTION
100	1	DESK, TEACHER	FLEETWOOD	D-TOP	60w 24d C-LEGS, BOX/BOX/FILE, CASTERS; D-TOP LAMINATE& EDGE: FUSION MAPLE / FRAME: SILVER PAINT
101	1	DESK, MOBILE PODIUM		C-LEG	27w 20d ADJ. HT LEGS 29-42, LOCKABLE SOFT CASTERS LAMINATE & EDGE: FUSION MAPLE / FRAME: SILVER PAINT
200	1	CHAIR, TEACHER	EUROTECH	APOLLO	FABRIC: BLACK / MESH: BLACK / SOFT CASTERS / BASE: BLACK
201	32	STOOL, STUDENT	ARTCOBELL	ALPHBET	14h, FELT GLIDES FRAME: TITANIUM PLASTICS: 8 APPLE GREEN 8 SQUISH 8 SUNSET ORANGE 8 RUBY RED
300	8	TABLE, STUDENT	FLEETWOOD	WAHE	60w 30d ADJ. HT I-LEGS, LOCKABLE SOFT CASTERS LAMINATE & EDGE: FUSION MAPLE / FRAME: SILVER PAINT
400	1	STORAGE CABINET, TEACHER WARDROBE	FLEETWOOD	DESIGNER COLLECTION WARDROBE	24w 20d 68h, DOORS, SOFT CASTERS LAMINATE & EDGE: FUSION MAPLE / FRAME: SILVER PAINT
401	1	STORAGE, PRINTER CART	FLEETWOOD	COMMON STORAGE - 3-D PRINTER CART	36w 20d 36h DOORS, SOFT CASTERS LAMINATE & EDGE: FUSION MAPLE / FRAME: SILVER PAINT
500	1	DRYING RACK	SPROGS	ART DRYING RACK.	17 1/2" 14 3/4" 38h, 25 SHELVES, CASTERS
CODE COMPLIANCE NOTES:					
1. IN ORDER TO MEET THE NEEDS OF PERSONS WITH DISABILITIES, WHEN APPLICABLE ALL ITEMS SHALL COMPLY WITH THE CURRENT ICC-A117.1-09 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES.					
2. ACCESSIBLE KNEE CLEARANCE SHALL BE A MINIMUM OF: 30" WIDE, 27" HIGH (24" CHILD), AND 19" DEEP.					
3. THE "ITEMS" SHALL INCLUDE, BUT ARE NOT LIMITED TO FIXTURES, FURNISHINGS, EQUIPMENT, WORKSTATIONS (INCLUDING BUILT-INS), SHOP EQUIPMENT, ETC.					
4. DELIVERY, INSTALLATION, PACKAGE REMOVAL AND PROTECTION OF THE FF&E IS THE RESPONSIBILITY OF THE PROVIDER OF THAT ITEM.					

FINISH SCHEDULE																	
BLDG.	LEVEL	LINE	DESIGNATION	RM. No.	FLOOR	BASE (MAT.)	WALL 1	WALL 2	WALL 3	WALL 4	CLG.	TRIM		CASEWORK			REMARKS
												DOORS	DOOR FRAMES	CABINETS	COUNTER TOPS	EDGES	
		01	ART ROOM	6	VCT-1	CT-1	P-2	P-2	P-2	P-2	ACT-1	-	P-7	-	-	-	
		02	STORAGE	7	VCT-2						P-1	-	P-7	-	-	-	

1

2

3

WALL INDICATIONS
ON PLAN

FINISH & COLOR SCHEDULE LEGEND															
LEGEND	SIZE	MANUFACTURER	SERIES / MODEL NO. / COLOR		DESCRIPTION		LOCATION / REMARKS								
P-1	-	BENJAMIN MOORE	L-01 / WHITE		FLAT FINISH		ALL SOFFITS								
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/TOILETS								
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 BODY 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	TOLI	KOLURPATH / MERCURY / 3002		VCT - FLOOR TILE		ALL CLASSROOMS								
VCT-2	18x18	TOLI	KOLURPATH / JASPER / 3001		VCT - FLOOR TILE		ALL CLASSROOMS								
RB-1	4"	JOHNSONITE	BLACK		RUBBER WALL BASE		BASE FOR ALL VCT FLOORS								

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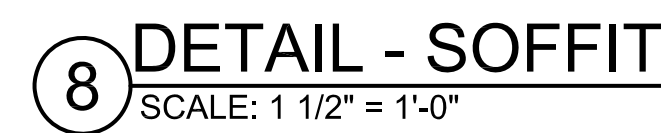
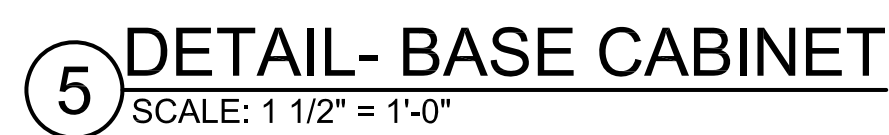
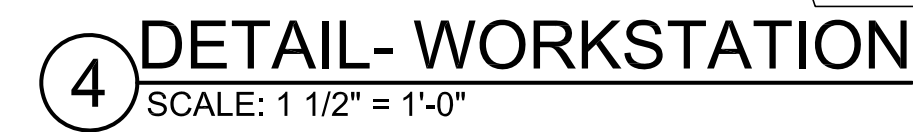
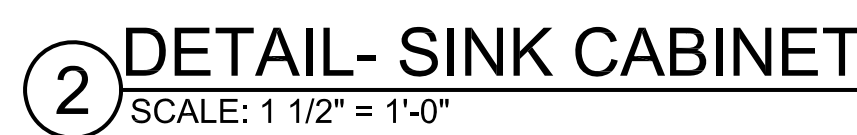
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FIRE RESTORATIONS
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S.E.D.# 66-22-0001-0041-011

E&R PROJECT NO. Y21CH01
YPS NO. 10929

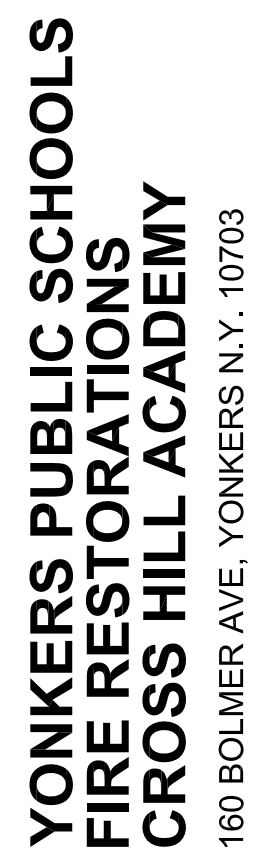
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SHEET SIZE ARCH E1 30" x 42"
SCALE
SHEET TITLE
CROSS HILL ACADEMY
FIRE RESTORATIONS
FF&E AND FINISH PLANS
WINDOW SCHEDULE, DOOR SCHEDULE

SHEET NO.
**CHA
A101**



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SHEET SIZE	ARCH E1 30" x 42"	
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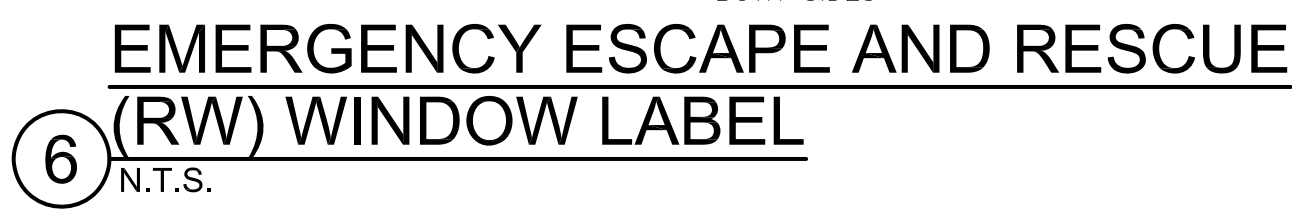
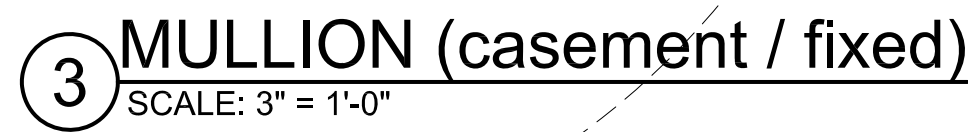
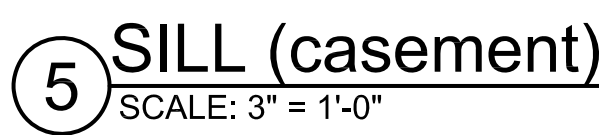
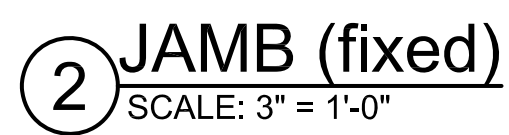
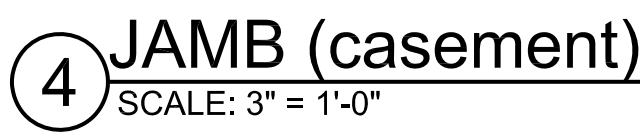
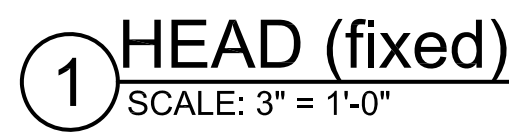
CASEWORK DETAILS

CEILING DETAILS

SHEET NO.

CHA
A525

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SHEET SIZE	ARCH E1 30" x 42"	
SCALE		
SHEET TITLE		

WINDOW DETAILS

SHEET NO.

CHA
A725

FILE PATH - I: \21449.00 Yonkers Cross Hill Academy\DRAWINGS\CURRENT\1-F&D\21449.00-A725~,dwg

MECHANICAL GENERAL NOTES:

- DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. IT IS NOT INTENDED TO SPECIFY OR SHOW EVERY OFFSET, FITTING OR COMPONENT; HOWEVER, CONTRACT DOCUMENTS REQUIRE COMPONENTS AND MATERIALS WHETHER OR NOT INDICATED OR SPECIFICALLY SPECIFIED TO MAKE THE SYSTEMS BEING INSTALLED COMPLETE, CODE COMPLIANT, TESTED AND OPERATIONAL.
- 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 LAWFUL JURISDICTION.
- PERFORM WORK, PROVIDE MATERIALS AND EQUIPMENT FOR SYSTEMS SHOWN, SPECIFIED 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 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 NEAT, 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 DRAWINGS.
- MATERIALS AND EQUIPMENT SHALL BE NEW AND INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. MAINTAIN MANUFACTURER'S EQUIPMENT CLEARANCES.
- CONTRACTOR IS RESPONSIBLE FOR ALL WORK RELATED TO ISOLATING, SHUTTING DOWN, DRAINING, FILLING AND TESTING SYSTEMS TO ALLOW FOR COMPLETION OF WORK. INTERRUPTIONS TO EXISTING SERVICES AND SYSTEMS SHALL BE AS SHORT AS POSSIBLE AND AT A TIME AND DURATION APPROVED BY THE OWNER AND UTILITY AS APPLICABLE. INCLUDE ALL PREMIUM TIME ASSOCIATED WITH INTERRUPTIONS. ALL SYSTEM INTERRUPTIONS SHALL BE SCHEDULED WITH OWNER, UTILITY AND COORDINATED WITH OTHER TRADE WORK.
- ALL EQUIPMENT PIPING, WIRING, INSULATION ETC. INSTALLED IN HVAC AIR PLENUM SPACES SHALL MEET CODE REQUIREMENTS FOR SMOKE AND COMBUSTIBILITY.
- 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 WEATHERTIGHT. PROVIDE STAINLESS STEEL ESCUTCHEON PLATE/TRIM 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.
- 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.
- CLEANING DURING MECHANICAL WORK: CLEAN THE MECHANICAL ROOM AND ROOMS WORK WILL BE DONE TO MINIMIZE DISTURBANCE IN THE BUILDINGS. WORKERS ARE TO USE PATHWAYS AND FACILITIES AGREED UPON WITH THE DISTRICT DESIGNEE IN WRITING. THE AREA OUTSIDE THE BUILDING WHERE CUTTING WELDING OR STORAGE IS ALLOWED IS TO BE FENCED AT ALL TIMES. THE CONTRACTOR WILL ON A DAILY BASIS CLEAN THE GROUNDS AND THE BUILDING OF ANY DEBRIS OR GARBAGE GENERATED BY THEIR WORK.
- MODIFICATIONS TO CONTROLS WILL BE PROVIDED BY EMF CONTROLS. 581 N STATE ROAD, STE 6, BRIARCLIFFE MANOR NY 10510-1556

HVAC REMOVAL NOTES:

- THE SCOPE OF REMOVAL SHOWN ON "REMOVALS" DRAWING IS DIAGRAMMATIC ONLY AND INDICATES THE INTENT OF THE WORK TO BE PERFORMED AND NOT THE COMPLETE SCOPE OF DEMOLITION AND/OR REMOVAL WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE OR RELOCATE ANY RELATED MECHANICAL DEVICES/ITEMS EVEN IF NOT SPECIFICALLY INDICATED TO BE REMOVED ON THESE DRAWINGS IN ORDER TO ACCOMMODATE NEW WORK.
- EQUIPMENT/ITEMS SHOWN CROSS HATCHED ON DRAWINGS ARE ITEMS TO BE REMOVED. ANY DEVICES/ITEMS REMOVED SHALL INCLUDE (BUT SHALL NOT BE LIMITED TO) THE REMOVAL OF ALL ASSOCIATED PIPING, 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.
- EQUIPMENT, PIPING, ETC. REQUIRED TO RECONNECT SHALL BE INSTALLED CONCEALED WITHIN THE SUSPENDED CEILINGS, PARTITIONS AND/OR WALLS, FLOORS. NO SURFACE MOUNTED OR EXPOSED EQUIPMENT, PIPING, ETC., SHALL BE PERMITTED, UNLESS SPECIFICALLY INDICATED.
- ALL ITEMS TO BE REMOVED SHALL BE REVIEWED WITH THE OWNER PRIOR TO REMOVAL. OWNER SHALL HAVE FIRST SALVAGE RIGHTS. ITEMS THE OWNER WISHES TO KEEP SHALL BE REMOVED 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 PROPERLY.

COORDINATION NOTE:

1. COORDINATION-- IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL AND MECHANICAL CONTRACTORS TO COORDINATE THEIR WORK. THE HVAC CONTRACTOR SHALL TAKE THE LEAD IN THE COORDINATION EFFORT AND PRODUCE THE COORDINATION DRAWINGS. COORDINATION DRAWINGS SHALL BE SUBMITTED FOR APPROVAL TO THE ENGINEER PRIOR TO STARTING ANY WORK. CEILING SPACE IS VERY LIMITED AND DUCTWORK/PIPING INSTALLATION AND LOCATION IS CRITICAL. THE PURPOSE OF THESE DRAWINGS IS TO COORDINATE THE LOCATIONS OF ALL PIPING, DUCTWORK, AND ASSOCIATED ELECTRICAL EQUIPMENT. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED AND LOCATED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC). MECHANICAL EQUIPMENT CANNOT INFILTRATE THE ELECTRICAL EQUIPMENTS WORKING CLEARANCE AND WORKING SPACE, NOR CAN IT BE INSTALLED DIRECTLY ABOVE OR BELOW TO THE STRUCTURE, AS IDENTIFIED WITHIN THE NEC, ARTICLE 110 - "REQUIREMENTS FOR ELECTRICAL INSTALLATION". THIS COORDINATION IS REQUIRED FOR ALL PHASES OF THIS PROJECT. FAILURE TO FOLLOW THIS PROCEDURE DOES NOT RELIEVE THE CONTRACTOR FROM THE DUTIES AND WILL NOT CONSTITUTE A REASON FOR A CHANGE ORDER.

MECHANICAL SYMBOLS



HVAC ABBREVIATIONS

AAD	AUTOMATIC AIR DAMPER
ACCU	AIR COOLED CONDENSING UNIT
AD	ACCESS DOOR
AHU	AIR HANDLING UNIT
AMP	AMPERAGE
BDO	BACKDRAFT DAMPER
BHP	BRAKE HORSEPOWER
BMS	BUILDING MANAGEMENT SYSTEM
BTU	BRITISH THERMAL UNIT
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
C	CONDENSATE
DB	DRYBULB TEMPERATURE
DDC	DIRECT DIGITAL CONTROL (SYSTEM)
DEG	DEGREE
DIA	DIAMETER
DN	DOWN
DP	DEWPOINT TEMPERATURE
DX	DIRECT EXPANSION
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EF	EXHAUST FAN
EFF	EFFICIENCY
EG	EXHAUST GRILLE
ESP	EXTERNAL STATIC PRESSURE
EXH	EXHAUST
F	FAHRENHEIT
FD	FIRE DAMPER
FF	FINAL FILTER
FLR	FLOOR
FPM	FEET PER MINUTE
FSTAT	FREEZESTAT
FT	FEET
FT HD	FEET OF HEAD
FT WG	FEET OF WATER GAUGE
FV	FACE VELOCITY
G	GAS
GAL	GALLON
GPM	GALLONS PER MINUTE
HD	HEAD
HP	HORSEPOWER
MAT	MIXED AIR TEMPERATURE
MAU	MAKE-UP AIR UNIT
MBH	1,000 BTU/HR
MCA	MINIMUM BRANCH CIRCUIT AMPACITY
OA	OUTSIDE AIR
OAI	OUTSIDE AIR INTAKE
PD	PRESSURE DROP
R	REMOVE
RA	RETURN AIR
RL	REFRIGERANT LIQUID
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION
S	SATISFACTORY
SAT	SUPPLY AIR TEMPERATURE
SEN	SENSIBLE HEAT
SG	SPECIFIC GRAVITY
SP	STATIC PRESSURE
TAB	TESTING, ADJUSTING, BALANCE
TSTAT	THERMOSTAT
TYP	TYPICAL
VD	VOLUME DAMPER
WB	WETBULB
WG	WATER GAUGE
HP	HEAT PUMP
ΔT	TEMPERATURE DIFFERENCE

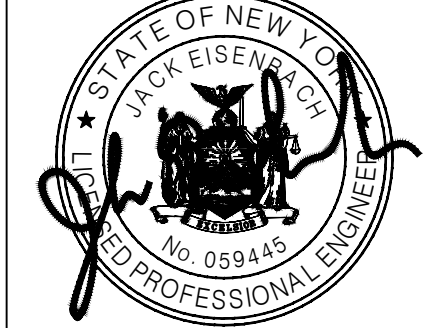
ENGINEER:



Eisenbach & Rohne Engineering P.C.
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CONSULTANT(S):

STAMP



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

S.E.D.# 66-23-0001-0041-011

ENR PROJECT NO.	Y210401
YPS NO.	10929

REVISION	DATE	BY
ISSUED FOR BID		
DRAWN BY	JMK	
CHECKED BY	JJE	
SHEET SIZE	ARCH E1 30" x 42"	
SCALE	AS NOTED	
SHEET TITLE		

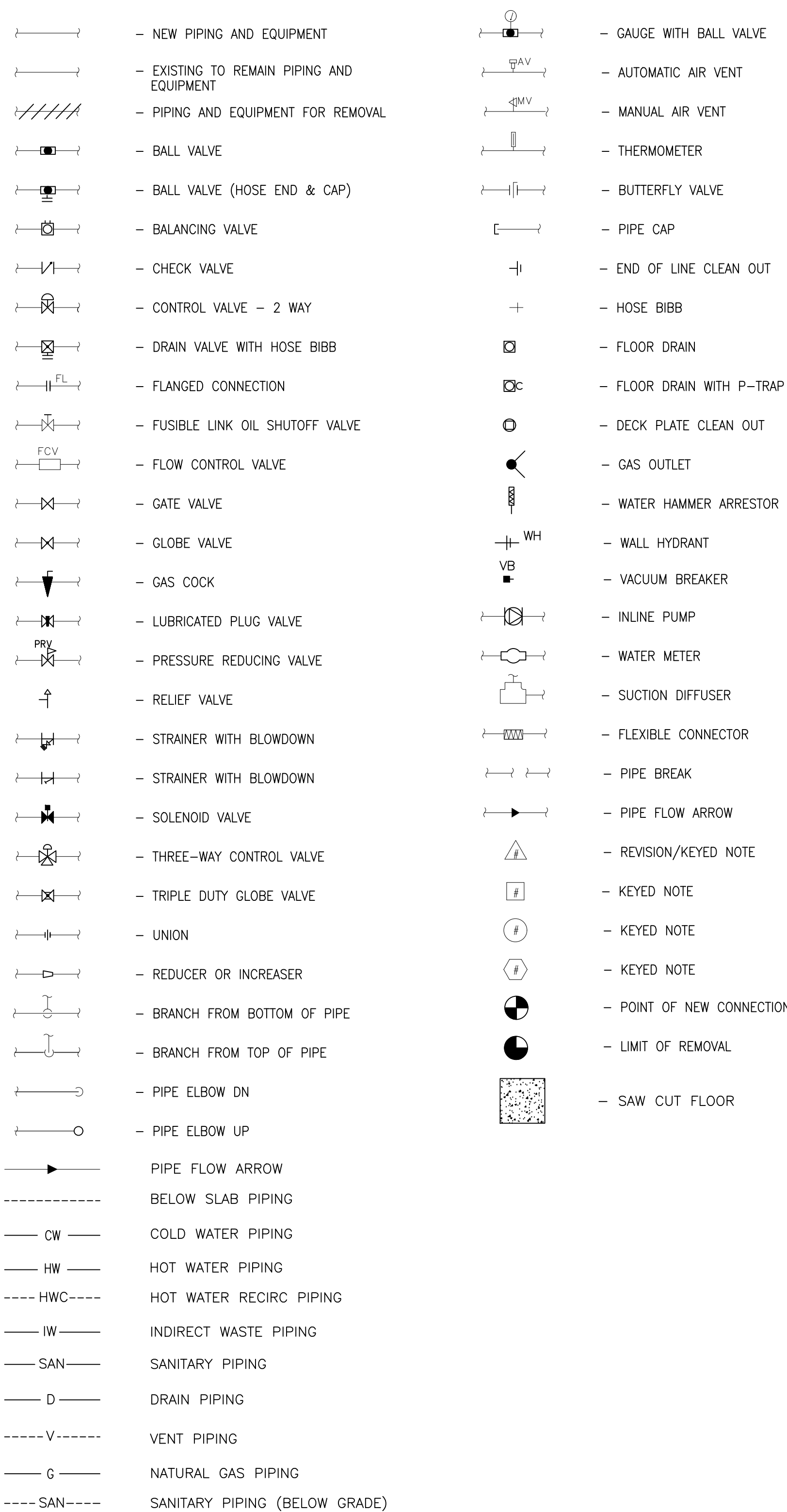
ABBREVIATIONS
AND SYMBOLS

SHEET NO.

CHA
M-001

PLUMBING ABBREVIATIONS			
A/E	ARCHITECT / ENGINEER	I/W	INDIRECT WASTE
AD	AREA DRAIN	I/WH	INSTANTANEOUS WATER HEATER
AD	ACCESS DOOR	KW	KILOWATT
ADA	AMERICANS WITH DISABILITIES ACT	LAV	LAVATORY
AFF	ABOVE FINISH FLOOR	M	METER
AFG	ABOVE FINISHED GRADE	MC	MECHANICAL CONTRACTOR
AHJ	AUTHORITY HAVING JURISDICTION	MBH	1000 BTUH
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	MH	MANHOLE
AP	ACCESS PANEL	NC	NORMALLY CLOSED
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION & AIR CONDITIONING ENGINEERS	NG	NATURAL GAS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	NIC	NOT IN CONTRACT
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS	NOM	NOMINAL
		NPW	NON POTABLE WATER
		NTS	NOT TO SCALE
AWWA	AMERICAN WATERWORKS ASSOCIATION	O2	OXYGEN
BFG	BELOW FINISHED GRADE	OD	OUTSIDE DIAMETER
BHP	BREAK HORSEPOWER	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
BOR	BASE OF RISER		
BTU	BRITISH THERMAL UNIT	P	PUMP
BTUH	BRITISH THERMAL UNIT PER HOUR	PC	PLUMBING CONTRACTOR
C	CELSIUS	PD	PUMP DISCHARGE
CA	COMBUSTION AIR	PDI	PLUMBING AND DRAINAGE INSTITUTE
CGA	COMPRESSED AIR	PF	PLUMBING FIXTURE
	COMPRESSED GAS ASSOCIATION	PG	PRESSURE GAGE
CCAST IRON		PPM	PARTS PER MILLION
	CLEANOUT	PRS	PRESSURE REDUCING STATION
CO2	CARBON DIOXIDE	PRV	PRESSURE REDUCING VALVE
COND	CONDENSATE	PSI	POUNDS PER SQUARE INCH
CP	CIRCULATING PUMP	PSIA	POUNDS PER SQUARE INCH ATMOSPHERE
CPVC	CHLORINATED POLYVINYL CHLORIDE	PSIG	POUNDS PER SQUARE INCH GAUGE
CU	COPPER	PVC	POLYVINYL CHLORIDE
CW	COLD WATER (DOMESTIC)	RD	ROOF DRAIN
D	DRAIN	RL	RAIN LEADER
DIA	DIAMETER	RO	REVERSE OSMOSIS WATER
F	DRAINAGE FIXTURE UNIT	RPZ	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
DN	DOWN	SAN	SANITARY SEWER
DPCO	DECK PLATE CLEANOUT	SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
DWG	DRAWING	SCFM	STANDARD CUBIC FOOT/MINUTE
DWH	DOMESTIC WATER HEATER	SCW	SOFTENED COLD WATER
DWV	DRAIN WASTE VENT	SP	SUMP PUMP
EC	ELECTRICAL CONTRACTOR	SOFT	SQUARE FEET
EL	ELEVATION	SS	STAINLESS STEEL
ET	EXPANSION TANK	ST	STORM SEWER
EW	ELECTRIC WATER COOLER	T&P	TEMPERATURE & PRESSURE (RELIEF VALVE)
EXIST	EXISTING	TD	TRENCH DRAIN
F	FAHRENHEIT	TDH	TOTAL DYNAMIC HEAD
FD	FLOOR DRAIN	TEMP	TEMPERATURE/TEMPORARY
FU	FIXTURE UNITS	TMV	THERMOSTATIC MIXING VALVE
FV	FLUSH VALVE	TP	TRAP PRIMER
G	NATURAL GAS	TSTAT	THERMOSTAT
GAL	GALLON	TW	TEMPERED WATER
GALV	GALVANIZED	TYP	TYPICAL
GC	GENERAL CONTRACTOR	UC	UNDERCUT
GPH	GALLONS PER HOUR	UH	UNIT HEATER
GPM	GALLONS PER MINUTE	UB	UNDERWRITERS LABORATORY
H&CW	HOT AND COLD WATER	UPC	UNIFORM PLUMBING CODE
HB	HOSE BIBB	UR	URINAL
HC	HEATING & HVAC CONTRACTOR	V	VENT
HD	HUB DRAIN	VB	VACUUM BREAKER
HP	HORSEPOWER	VTR	VENT THROUGH ROOF
HS	HAND SINK	WC	WATER CLOSET
HW	HOT WATER (DOMESTIC)	WCO	WALL CLEANOUT
INV	INVERT	WH	WALL HYDRANT
		WHA	WATER HAMMER ARRESTER
		WSFU	WATER SUPPLY FIXTURE UNIT
		XA	EXHAUST AIR

PLUMBING SYMBOL



GENERAL PLUMBING NOTES

1. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. IT IS NOT INTENDED TO SPECIFY OR SHOW EXACT LOCATION, FITTING, OR CONNECTIONS. CONTRACT DOCUMENTS REQUIRE COMPONENTS AND MATERIALS WHETHER OR NOT INDICATED OR SPECIFICALLY SPECIFIED. MAKE THE SYSTEMS GENERAL AND COMPLETE, CODE COMPLIANT, TESTED AND OPERATIONAL.
2. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, DIMENSIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.
3. ALL MATERIALS, EQUIPMENT, METHODS OF INSTALLATION, REMOVALS AND DISPOSAL, SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, REGULATIONS, 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, SPECIFIED AND DESCRIBED ON DRAWINGS. COMPLETELY COORDINATE ALL TRADES OF WORK TO BE COMPLETED UNDER THIS CONTRACT. FULLY FUNCTIONAL INSTALLATION. ALL WORK IN THIS SET TO BE COMPLETED UNDER THIS CONTRACT, UNLESS OTHERWISE INDICATED.
5. PROTECT ALL EXISTING AND NEW BUILDING ELEMENTS FROM DAMAGE. CONTRACTOR SHALL RESTORE ALL DAMAGED ELEMENTS TO ORIGINAL OR BETTER CONDITION.
6. WORK SHALL BE EXECUTED IN A WORKMANLIKE MANNER AND SHALL PRESENT NEAT, RECTILINEAR APPEARANCE. ALL CUTS, REPAIRS, AND PROVISIONS SHALL BE FULLY COMPLETED AND MAINTAIN MAXIMUM HEAD ROOM AT ALL TIMES. DO NOT RUN PIPES, DUCTS, AND CONDUIT EXPOSED UNLESS SHOWN AND NOTED TO BE EXPOSED ON DRAWINGS.
7. MATERIALS AND EQUIPMENT SHALL BE NEW AND INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. MAINTAIN MANUFACTURER'S EQUIPMENT CLEARANCES.
8. CONTRACTOR IS RESPONSIBLE FOR ALL WORK RELATED TO SHUTTING DOWN, DRAINING, FILLING AND TESTING SYSTEMS TO ALLOW FOR COMPLETION OF WORK. INTERRUPTIONS TO EXISTING SERVICES AND SYSTEMS SHALL BE AS SHORT AS POSSIBLE AND AT A TIME AND DATE TO BE DETERMINED BY THE OWNER AND AS APPLICABLE. INCLUDE ALL PREMIUM TIME ASSOCIATED WITH INTERRUPTIONS. ALL SYSTEM INTERRUPTIONS SHALL BE SCHEDULED WITH OWNER, UTILITY AND COORDINATED WITH OTHER TRADE WORK.
9. ALL EQUIPMENT FILING, WIRING, INSULATION ETC. INSTALL IN HVAC AIR PLenums SPACES SHALL MEET CODE REQUIREMENTS FOR SMOKE AND COMBUSTIBILITY.
10. 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/DOORS SHALL BE A MINIMUM OF 12"X12", UNLESS OTHERWISE NOTED.
12. DO NOT SUPPORT EQUIPMENT FROM SUSPENDED CEILING. ALL SUPPORT SHALL BE FROM BUILDING STRUCTURE OR FROM A SUPPORT SYSTEM WHICH HAS BEEN REINFORCED. SUPPORTS SHALL BE SELECTED AND INSTALLED TO PROVIDE A VIBRATION FREE INSTALLATION.
13. PLUMBING CONTRACTOR IS RESPONSIBLE FOR JETTING/SNAKING ALL SANITARY WASTE LINES (ALL FLOOR DRAINS) SHOWN ON THE DRAWINGS TO BE FULLY OPERATIONAL.
14. CLEANING DURING PLUMBING WORK: THE MECHANICAL ROOM AND ROOMS WHERE WORK WILL BE DONE TO MINIMIZE DISTURBANCE IN THE BUILDINGS, WORKERS ARE TO BE ALWAYS WEARING MASKS. THE AREA TO BE CUT WITH THE DISTRICT DESIGNED IN WRITING. THE AREA OUTSIDE THE BUILDING WHERE CUTTING, WELDING OR STORAGE IS TO BE TO BE FENCED AT ALL TIMES. THE CONTRACTOR WILL ON A DAILY BASIS CLEAN THE GROUNDS AND THE BUILDING OF ANY DEBRIS OR GARBAGE GENERATED BY THEIR WORK.
15. CONTRACTOR TO PROVIDE NECESSARY MODIFICATIONS TO EXISTING PLUMBING TO ACCOMPLISH NEW WORK AND TO PROVIDE A PROPERLY FUNCTIONING SYSTEM. VERIFY IN FIELD

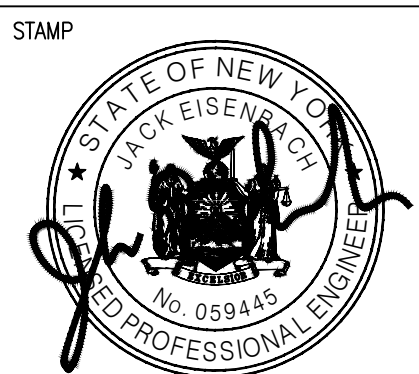
IT IS A VIOLATION OF THE LAW FOR ANY PERSON UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ARCHITECT/ENGINEER TO ALTER THIS DRAWING IN ANY WAY. ALTERATIONS MUST HAVE THE SEAL AFFIXED ALONG WITH A DESCRIPTION OF THE ALTERATION, THE SIGNATURE AND DATE. COPYRIGHT © 2017

ENGINEER:



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CONSULTANT(S):



**YONKERS PUBLIC SCHOOLS
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160 BOLMER AVE, YONKERS N.Y. 10703

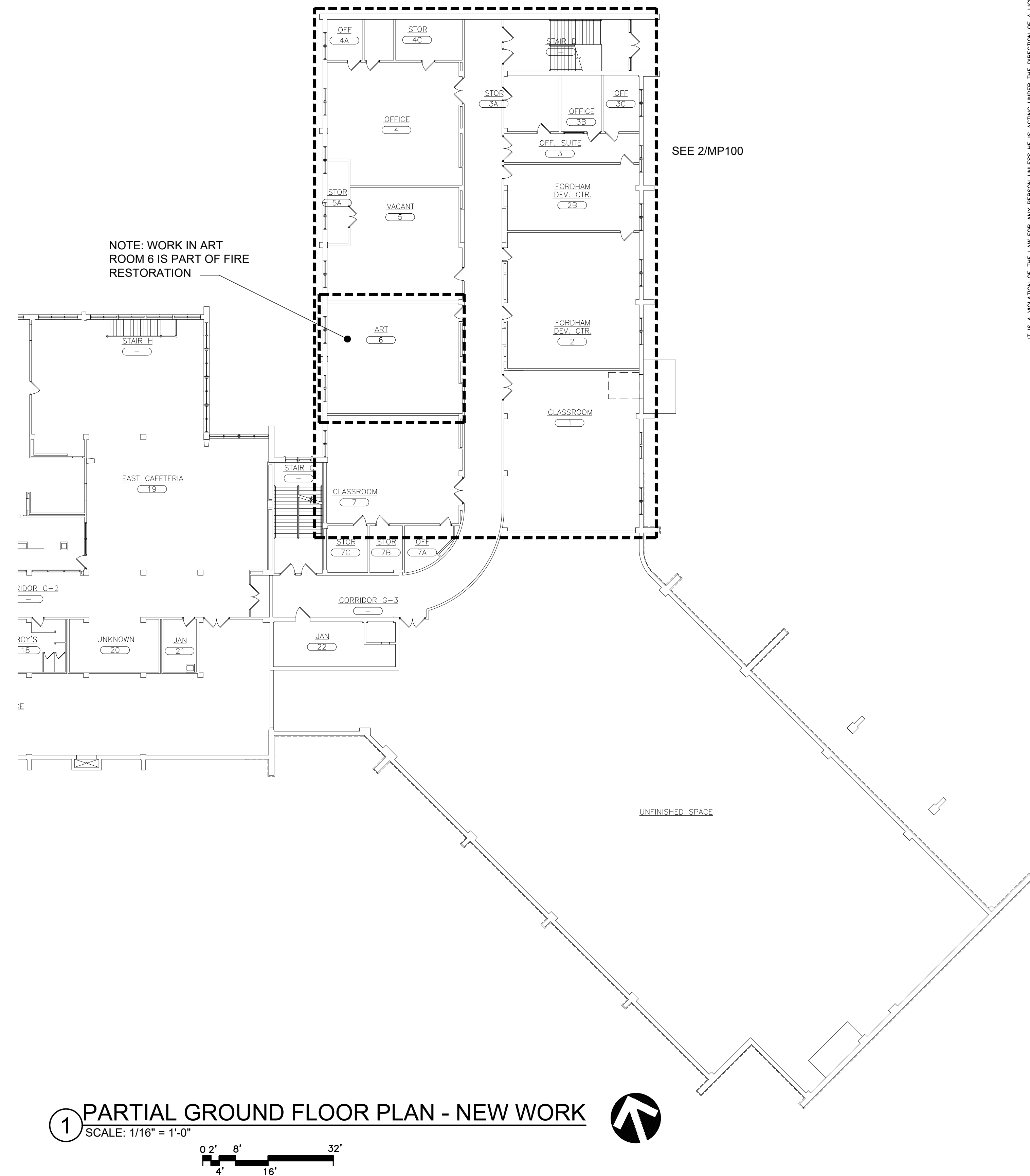
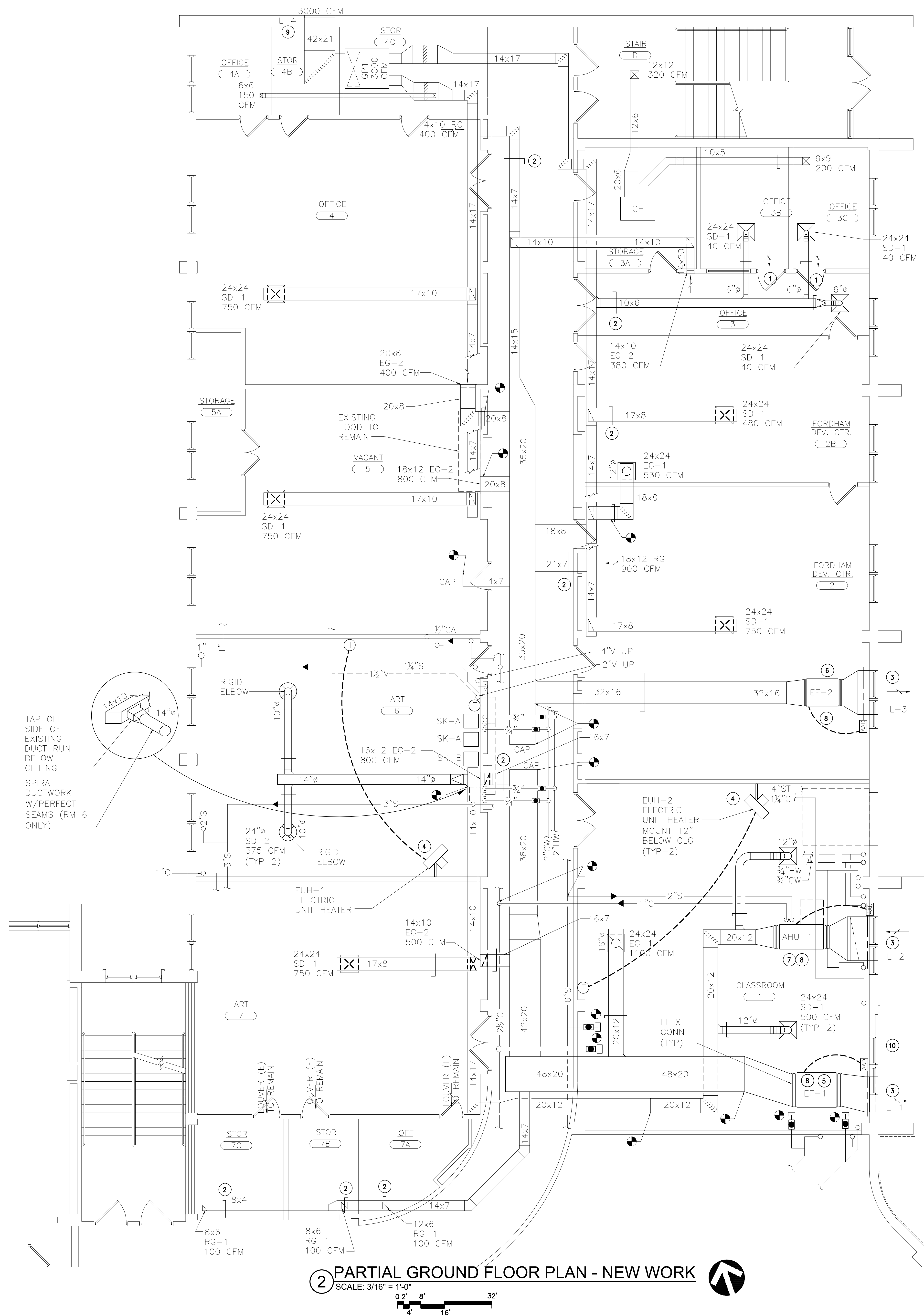
S.E.D.# 66-23-0001-0041-011

E&R PROJECT NO.		Y21CH01
YPS NO.		10929
REVISION		DATE BY
ISSUED FOR BID		
DRAWN BY		JMJ
CHECKED BY		JIE
SHEET SIZE		ARCH E1 30" x 42"
SCALE		AS NOTED
SHEET TITLE		

ABBREVIATIONS AND SYMBOLS

SHEET NO.

CHA
P-001



- KEYED NOTES - NEW WORK:**
1. PROVIDE ANEMOSTAT DOOR LOUVER 12x12 MODEL AFDL 6" AFF. COLOR BEIGE
 2. PROVIDE VOLUME DAMPERS AS SHOWN. REBALANCE AS REQUIRED
 3. PROVIDE RUSKIN MODEL ELF375XH, 60x36(AHU-1) 60x36(EF-2) 11"-0x3-0"(EF-1) PROVIDE LOUVER IN UPPER WINDOWS. BLANK OFF UNUSED PORTION AND PAINT TO MATCH ADJACENT SURFACE. SEAL PERIMETER OF LOUVER WATERTIGHT. CONTRACTOR TO REMOVE MILLIONS AS NECESSARY FOR INSTALLATION OF NEW. GLAZING DOES NOT CONTAIN PCB'S OR ASBESTOS. THE EXISTING CAULK AROUND PERIMETER OF FRAME CONTAINS PCB'S. DO NOT DISTURB CAULK.
 4. PROVIDE ELECTRIC UNIT HEATER QMARK MODEL MUH05-81 WITH THERMOSTAT. PROVIDE ALL SUPPORTS AS REQUIRED. MOUNT 12" BELOW CEILING. (WIRING BY EC)
 5. PROVIDE GREENHECK EXHAUST FAN MODEL BCF-212, 994 RPM, 1.25 STATIC PRESSURE. PROVIDE ALL SUPPORTS, VIBRATION ISOLATORS AND ALL APPURTENANCES. MOUNT HIGH AS POSSIBLE FROM STRUCTURE ABOVE. (WIRING BY EC)
 6. PROVIDE GREENHECK EXHAUST FAN MODEL BCF-212, 1045 RPM, 1.25 STATIC PRESSURE. PROVIDE ALL SUPPORTS, VIBRATION ISOLATORS AND ALL APPURTENANCES. MOUNT HIGH AS POSSIBLE FROM STRUCTURE ABOVE. (WIRING BY EC)
 7. PROVIDE DAIKIN MODEL LAH007A AND ALL APPURTENANCES.
 8. BALANCE ALL NEW EQUIPMENT, DIFFUSERS AND RETURN GRILLES TO CFM'S SHOWN
 9. PROVIDE NEW LOUVER RUSKIN ELF375XH CUSTOM SIZE 42"x 20 3/4". SEAL AROUND LOUVER WATERTIGHT. CONTRACTOR TO FIELD VERIFY EXACT SIZE BEFORE ORDERING.
 10. LOUVER L-1 REQUIRES 48x36 FREE AREA. BLANK OFF UNUSED PORTION WITH 4" RIGID INSULATED PANEL AND WITH 22 GAUGE SHEET METAL INTERIOR PANEL. PAINT INTERIOR METAL PANEL TO MATCH ADJACENT SURFACES

NOTE: MECHANICAL CONTRACTOR IS RESPONSIBLE FOR REMOVING CEILINGS AND WALLS FOR THEIR PORTION OF WORK AND TO REINSTALL CEILINGS AND WALLS TO ORIGINAL CONDITIONS.

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ENGINEER:
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200 Greenwich Street, 10th Floor, New York, NY 10007
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CONSULTANT(S):

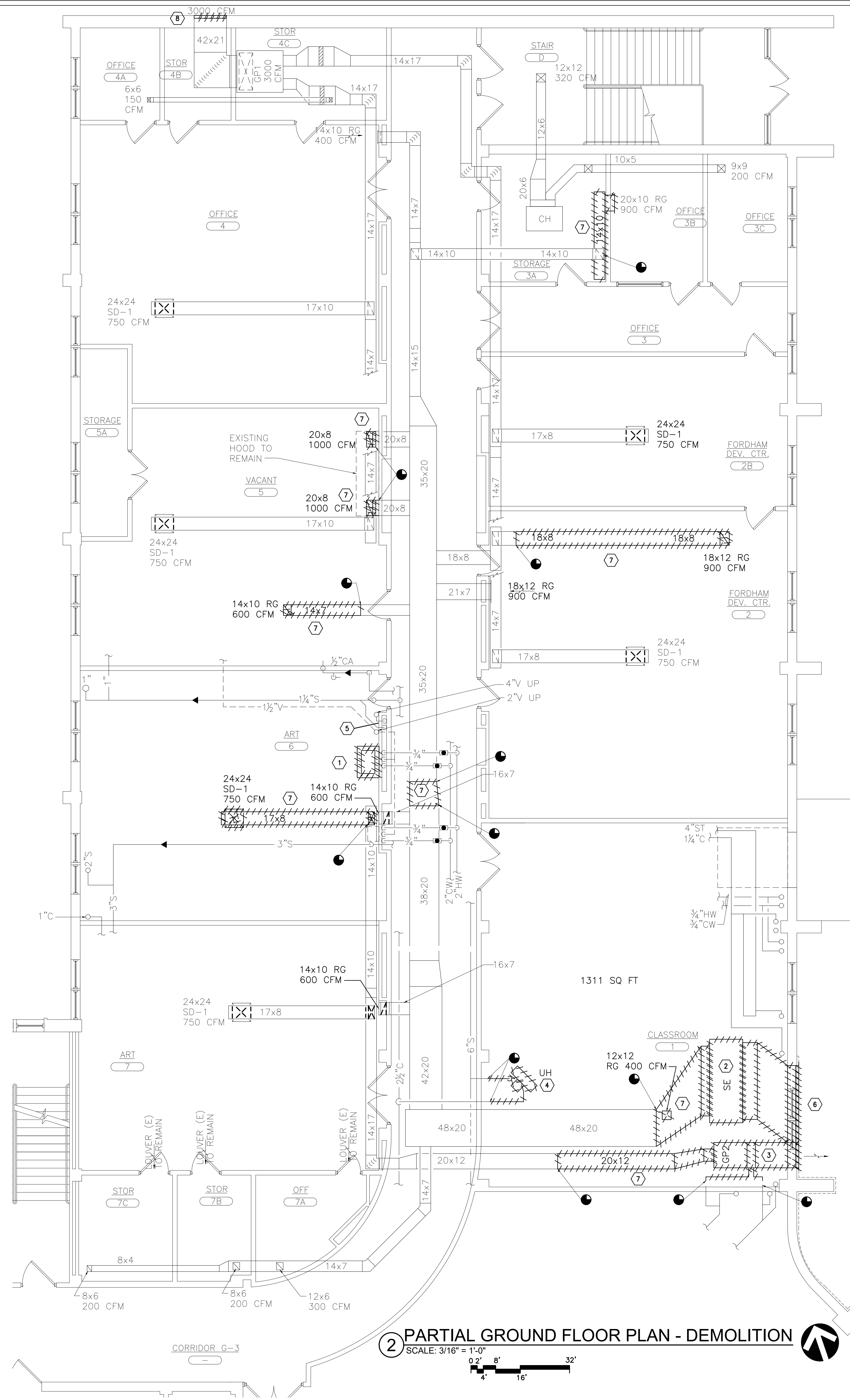
STAMP
STATE OF NEW YORK
Professional Engineer
No. 05947
Eisenberg & Rohnke Engineering, P.C.

**YONKERS PUBLIC SCHOOLS
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CROSS HILL ACADEMY**
160 BOLMER AVE, YONKERS N.Y. 10703
S.E.D.# 66-23-0001-0041-011

ENR PROJECT NO.	Y210601
YPS NO.	10929
REVISION	DATE BY
ISSUED FOR BID	
DRAWN BY	JMI
CHECKED BY	JIE
SHEET SIZE	ARCH E1 30" x 42"
SCALE	AS NOTED
SHEET TITLE	
PARTIAL GROUND FLOOR PLANS - NEW WORK	
SHEET NO.	
CHA MP-100	

FILE PATH: N:\1 - PROJECT DIRECTORIES\Yonkers Public Schools\Cross Hill Academy (Formerly Ennerson)\Y210601 - Cross Hill Academy Fire CIP # 10929\cad\2021-09-14_EF_Y210601.m00.dwg

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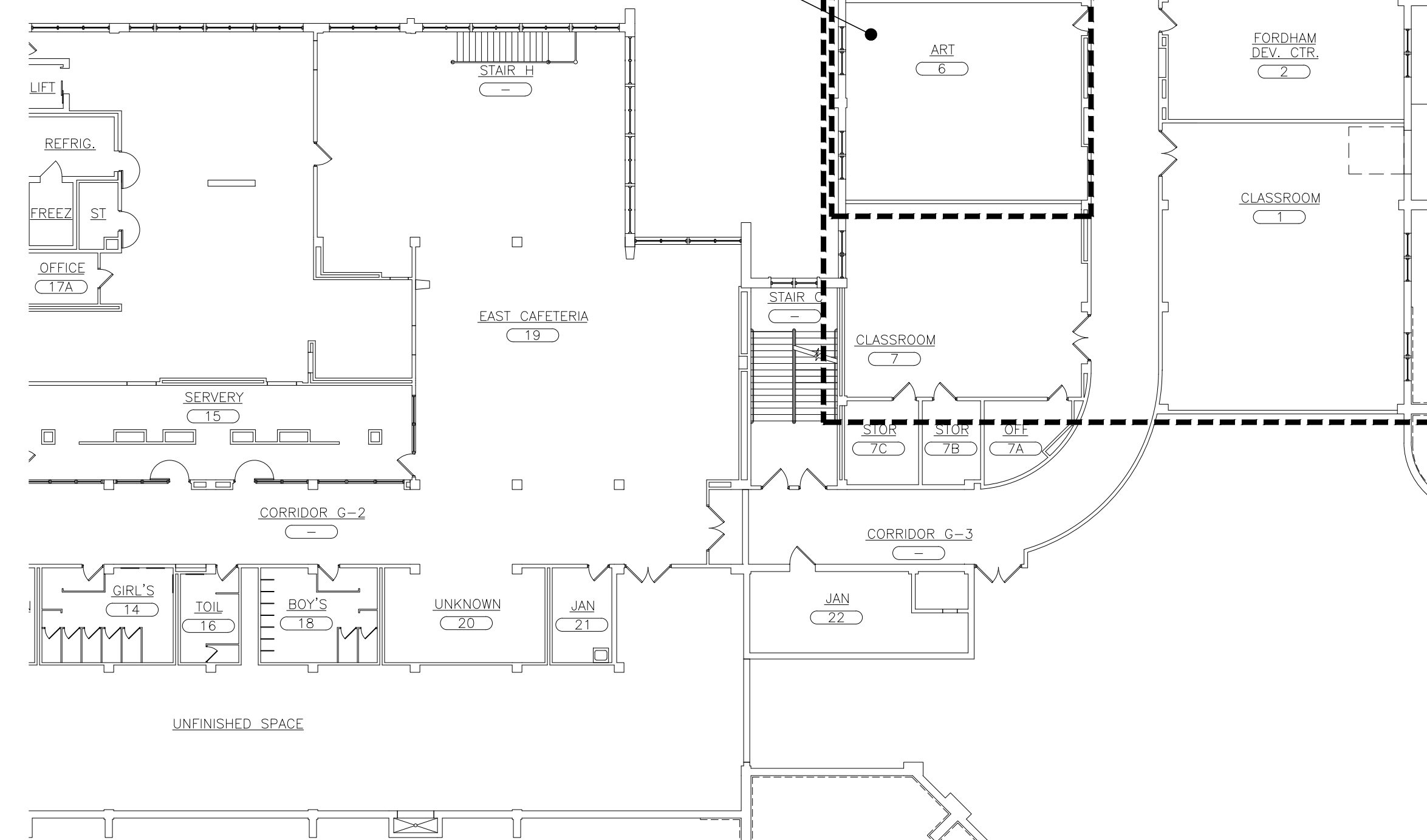


1 PARTIAL GROUND FLOOR PLAN - DEMOLITION

SCALE: 1/16" = 1'-0"

- KEYED NOTES - DEMOLITION
- 1 REMOVE SINK(S) IN THEIR ENTIRETY. PREPARE FOR NEW WORK.
 - 2 REMOVE EXHAUST FAN AS SHOWN. PREPARE FOR NEW WORK.
 - 3 REMOVE HEATING UNIT AS SHOWN. PREPARE FOR NEW WORK.
 - 4 REMOVE UNIT HEATER AS SHOWN. PREPARE FOR NEW WORK.
 - 5 REMOVE THERMOSTAT. PREPARE FOR NEW WORK.
 - 6 REMOVE 11'-0"x36" LOUVER. CAULK CONTAINS PCB'S. PREPARE FOR NEW WORK.
 - 7 REMOVE DUCTWORK AND AIR TERMINAL DEVICES AS SHOWN. PREPARE FOR NEW WORK.
 - 8 REMOVE LOUVER. PREPARE FOR NEW WORK.

NOTE: WORK IN ART ROOM 6 IS PART OF FIRE RESTORATION



2 PARTIAL GROUND FLOOR PLAN - DEMOLITION

SCALE: 3/16" = 1'-0"

KEY-PLAN

SCALE: NONE

ENGINEER: Eisenbach & Ruhke Engineering, P.C. 281 Cross Street - Union, NY 10801 (914) 770-1188 Fax: (914) 770-2842 www.eandru.com

CONSULTANT(S):

STATE OF NEW YORK PROFESSIONAL ENGINEER

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160 BOLMER AVE, YONKERS N.Y. 10703
S.E.D.# 66-25-0001-0041-011

E&R PROJECT NO. Y21CH01
YPS NO. 10829

REVISION	DATE	BY
ISSUED FOR BID		
DRAWN BY	JMM	
CHECKED BY	JIE	
SHEET SIZE	ARCH E1 30" x 42"	
SCALE	AS NOTED	

SHEET TITLE
PARTIAL GROUND FLOOR PLANS - DEMOLITION

SHEET NO.
CHA
MPD-100

FILE PATH - N:\1 - PROJECT DIRECTORIES\Yonkers Public Schools\Cross Hill Academy (Formerly Emerson)\Y21CH01 - Cross Hill Academy Fire CIP # 10829\c01.mxd.dwg
1_27_2022

1. COORDINATION-- IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL AND MECHANICAL CONTRACTORS TO COORDINATE THE WORK OF THE PROJECT. THE HVAC CONTRACTOR SHALL TAKE THE LEAD IN THE COORDINATION EFFORT AND PRODUCE THE COORDINATION DRAWING. THE COORDINATION DRAWING SHALL BE SUBMITTED FOR APPROVAL TO THE ENGINEER PRIOR TO STARTING ANY WORK. CELING SPACE IS VERY LIMITED AND DUCTWORK/PIPING SHALL BE INSTALLED IN THE CEILING. THE PURPOSE OF THESE DRAWINGS IS TO COORDINATE THE LOCATIONS OF ALL PIPING, DUCTWORK, AND ELECTRICAL EQUIPMENT. ALL ELECTRICAL AND MECHANICAL EQUIPMENT SHALL BE INSTALLED AND LOCATED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL MECHANICAL CODE (NMC). THE ELECTRICAL EQUIPMENTS WORKING CLEARANCE AND WORKING SPACE, NDR CAN BE IT INSTALLED IN THE CEILING. AS IDENTIFIED WITHIN THE NEC, ARTICLE 110 "REQUIREMENTS FOR ELECTRICAL INSTALLATION". THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CAUSES OF THIS PROJECT. FAILURE TO FOLLOW THIS PROCEDURE DOES NOT RELIEVE THE CONTRACTOR OF HIS OBLIGATION TO CONSTITUTE THE PROPER REASON FOR A CHANGE ORDER.

ALL INSULATION TO COMPLY WITH 2015 NYS ENERGY CONSERVATION CONSTRUCTION CODE

NOTE 1: SECURELY HANG FROM STRUCTURE ABOVE USING STEEL THREADED RODS AND SUPPORT FRAMING W/ VIBRATION ISOLATORS. MUST INSTALL UNIT TO ALLOW FOR MAINTENANCE CLEARANCES AND FILTER CHANGES
NOTE 2: PROVIDE SUPPLY AIR DUCT SMOKE DETECTOR AND TIE INTO UNIT POWER FEED AND AIR INTAKE DAMPERS. CONNECT TO EXISTING BMS
NOTE 3: TOTAL STATIC .92IN. AIR TEMPERATURE ENTERING DB 35 DEGREES, LEAVING DB 114.4 DEGREES, STEAM PRESSURE 5 PSI, CONDENSATE 135.5 LB/H
NOTE 4: PROVIDE MERV 14 FILTER
NOTE 5: PROVIDE (2) 24"x24"x4" THICK FILTERS

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 APPURTENANCES.
2. ALL PLUMBING FIXTURES TO BE PROVIDED WITH ¼ TURN SHUT-OFF VALVES AS SPECIFIED

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

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 CEILING TILE IN ALL DROP CEILING.
NOTE 3: PROVIDE VOLUME DAMPERS FOR AIR BALANCING.



CHA
MP-500

1_27_2022



THE HEATING SIGNAL IS ENABLED WHENEVER:
 THE OUTSIDE AIR TEMPERATURE IS LESS THAN 65 DEGS (F),
 AND THE ZONE TEMPERATURE IS BELOW HEATING SETPOINT,
 AND THE SUPPLY FAN STATUS IS ON.
 THE HEATING COIL SHALL OPEN WHENEVER THE FREEZESTAT (IF PRESENT) IS ON.

MINIMUM OUTSIDE AIR VENTILATION – FIXED PERCENTAGE:
 THE OUTSIDE AIR DAMPER SHALL MAINTAIN A MINIMUM POSITION (ADJ.) DURING BURNING
 OCCUPIED HOURS AND BE CLOSED DURING UNOCCUPIED HOURS.

FINAL FILTER DIFFERENTIAL PRESSURE MONITOR:
 THE DIFFERENTIAL PRESSURE MONITOR SHALL MONITOR THE DIFFERENTIAL PRESSURE ACROSS THE FINAL FILTER.
 ALARMS SHALL BE PROVIDED AS FOLLOWS:
 FINAL FILTER CHANGE REQUIRED: FINAL FILTER DIFFERENTIAL PRESSURE EXCEEDS A USER
 DEFINABLE LIMIT (ADJ.).

MIXED AIR TEMPERATURE:
 THE CONTROLLER SHALL MONITOR THE MIXED AIR TEMPERATURE AND USE AS REQUIRED FOR
 ECONOMIZER CONTROL (IF PRESENT) OR PREHEATING CONTROL (IF PRESENT).

ALARMS SHALL BE PROVIDED AS FOLLOWS:
 HIGH MIXED AIR TEMP: IF THE MIXED AIR TEMPERATURE IS GREATER THAN 90 DEGS (F) (ADJ.),
 LOW MIXED AIR TEMP: IF THE MIXED AIR TEMPERATURE IS LESS THAN 55 DEGS (F) (ADJ.).

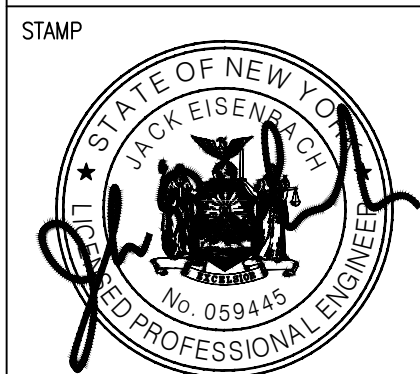
EXHAUST FAN(S):

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.
ALARMS SHALL BE PROVIDED AS FOLLOWS:

FAN FAILURE: COMMANDED ON BUT THE STATUS IS OFF.
FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.
FAN RUNTIME EXCEEDED: FAN STATUS RUNTIME EXCEEDS A USER
DEFINABLE LIMIT (ADJ.)



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

SHEET NO.

**CHA
MP-600**

SYMBOLS LIST		
GENERAL SYMBOLS:	TELEPHONE/DATA SYMBOLS:	SPECIAL SYSTEMS SYMBOLS: (PROVIDE DEVICES COMPATIBLE WITH EXISTING SYSTEMS)
KEYED NOTE	DATA RACK	AC SYSTEM CONTROL PANEL
HEAVY LINE-WEIGHT INDICATES TO PROVIDE DEVICES/EQUIPMENT AS NEW	COMMUNICATIONS OUTLET JACKS	AC SYSTEM MASTER CONTROL STATION
HEAVY LINE-WEIGHT WITH HASH MARKS INDICATES DEVICES/EQUIPMENT TO BE REMOVED	#D - INDICATES NUMBER OF TELEPHONE JACKS	CARD READER
INDICATES CONNECTION TO EXISTING	WAP - WIRELESS ACCESS POINT	DOOR CONTACT
INDICATES POINT OF DISCONNECT	PRPS - INDICATES PRESENTATION STATION OUTLET	ELECTRIC DOOR STRIKE
'(E)' NEXT TO LIGHT LINE-WEIGHT INDICATES EXISTING DEVICES/EQUIPMENT TO REMAIN	ONE-LINE SYMBOLS:	REQUEST TO EXIT
'(ER)' NEXT TO LIGHT LINE-WEIGHT INDICATES EXISTING DEVICES/EQUIPMENT TO BE REMOVED AND RELOCATED. REFER TO DEFINITIONS FOR INFORMATION	#A-#P - CIRCUIT BREAKER	INTERCOM STATION
'(RE)' NEXT TO LIGHT LINE-WEIGHT INDICATES EXISTING DEVICES/EQUIPMENT TO BE REINSTALLED. REFER TO DEFINITIONS FOR INFORMATION	#A - FUSE	C1 - CLOCK (NO DESIGNATION DENOTES CLASSROOM CLOCK)
'(N)' PROVIDE NEW DEVICE COMPATIBLE WITH NEW EQUIPMENT	#A - FUSED DISCONNECT SWITCH	C2 - DENOTES DUAL FACE HALLWAY CLOCK.
MICROPHONE	GROUND	PUBLIC ADDRESS SPEAKER (CEILING)
REMOVALS (EQUIPMENT, CONDUIT, WIRING, ETC.)	100A.MLO - PANELBOARD	PUBLIC ADDRESS HORN SPEAKER (WALL)
EXISTING TO REMAIN		CEILING MOUNTED CCTV CAMERA
NEW WORK		WALL MOUNTED CCTV CAMERA
POWER SYMBOLS:	FIRE ALARM SYMBOLS:	LIGHTING SYMBOLS: (REFER TO LIGHT FIXTURE SCHEDULE)
DUPLEX RECEPTACLE	AUDIO/VISUAL SIGNALING DEVICE. NUMBER DENOTES CANDELA RATING.	LIGHT SWITCH
QUAD RECEPTACLE	VISUAL SIGNALING DEVICE. NUMBER DENOTES CANDELA RATING.	DIMMER SWITCH
SPECIAL RECEPTACLE (NEMA CONFIGURATION AS INDICATED)	PULL STATION	KEYED SWITCH
MOTOR CONNECTION (REFER TO EQUIPMENT CONTROL SCHEDULE)	SMOKE DETECTOR. R SUBSCRIPT: PROVIDE ACCESSORY EQUIPMENT/WIRING/PROGRAMMING FOR ELEVATOR RECALL AND SHUNT TRIP.	3-WAY SWITCH
ELECTRICAL CONNECTION	HEAT DETECTOR	4-WAY SWITCH
CONTACTOR	CONTROL MODULE	OCCUPANCY SENSOR
JUNCTION BOX	MONITOR MODULE	C# - INDICATES CEILING SENSOR TYPE (REFER TO OCCUPANCY SENSOR SCHEDULE)
DISCONNECT SWITCH (NON-FUSED)	DUCT SMOKE DETECTOR	W# - INDICATES WALL SENSOR TYPE (REFER TO OCCUPANCY SENSOR SCHEDULE)
DISCONNECT SWITCH (FUSED)	REMOTE TEST STATION	X# - CEILING-MOUNTED EXIT LIGHT. HATCH MARKS INDICATES ILLUMINATED FACE, ARROW INDICATES DIRECTION OF TRAVEL.
PUSH BUTTON	MAGNETIC DOOR HOLDER	X# - WALL-MOUNTED EXIT LIGHT. HATCH MARKS INDICATES ILLUMINATED FACE, ARROW INDICATES DIRECTION OF TRAVEL.
EM - INDICATES EMERGENCY SHUT-OFF	TAMPER SWITCH	F# - DUAL HEAD WALL-MOUNTED EMERGENCY BATTERY PACK LUMINAIRE.
MANUAL MOTOR STARTER	FIRE DOOR RELEASE	F# - SINGLE HEAD WALL-MOUNTED EMERGENCY BATTERY PACK LUMINAIRE.
COMBINATION MAGNETIC MOTOR STARTER	FLOW SWITCH	F# - 2'x4' CEILING MOUNTED LIGHT FIXTURE, F# INDICATES TYPE.
VARIABLE FREQUENCY DRIVE	FAN SHUT-DOWN	F# - 2'x2' CEILING MOUNTED LIGHT FIXTURE, F# INDICATES TYPE.
208V PANELBOARD (RECESSED)	FIRE ALARM CONTROL PANEL	F# - 1'x4' CEILING MOUNTED LIGHT FIXTURE, F# INDICATES TYPE.
208V PANELBOARD (SURFACE)	FIRE ALARM ANNUNCIATOR PANEL	F# - CEILING MOUNTED DOWNLIGHT FIXTURE, F# INDICATES TYPE.
	CARBON MONOXIDE DETECTOR (ELECTROCHEMICAL STYLE) (SYSTEM SENSOR C01224TR OR EQUAL) (INSTALL PER MANUFACTURERS RECOMMEND. AND PER NFPA 720)	F# - 4' WALL MOUNTED LIGHT FIXTURE, F# INDICATES TYPE.
	CARBON DIOXIDE DETECTOR	F# - WALL MOUNTED FIXTURE, F# INDICATES TYPE.
	GAS DETECTOR	

GENERAL DEMOLITION NOTES:	
1.	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.
3.	VERIFY 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.
4.	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 ARCHITECT/ ENGINEER OF ANY CONFLICTS.
5.	UNLESS NOTED OTHERWISE, REMOVE ALL ELECTRICAL ITEMS SHOWN ON THESE PLANS AS INDICATED BY CROSS HATCHED LINES AND/OR KEYED NOTES.
6.	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.
7.	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/SPECIFICATION REQUIREMENTS. NOTIFY ENGINEER PRIOR TO REUSING.
8.	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.
9.	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.
11.	UNLESS NOTED OTHERWISE, REMOVE EXISTING ELECTRICAL DEVICES, AND ASSOCIATED CIRCUITRY, LOCATED ON OR IN CEILINGS SCHEDULED FOR REMOVAL. TO MAINTAIN DRAWING CLARITY, EXISTING CEILINGS SCHEDULED FOR DEMOLITION HAVE NOT BEEN IDENTIFIED 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 TO REMAIN ENERGIZED, SHALL BE CUT AT ACCESSIBLE LOCATIONS, REROUTED AND RECONNECTED. EXTEND EXISTING FEEDERS AS REQUIRED. MATCH EXISTING FEEDERS IN CONDUCTOR SIZE (AMPACITY RATING), RACEWAY SIZE, ETC.
15.	CAREFULLY REMOVE, PROTECT AND STORE ALL EQUIPMENT TO BE REUSED IN A SAFE PLACE UNTIL READY FOR REINSTALLATION. CLEAN MATERIALS BEFORE REINSTALLATION AND ENSURE EQUIPMENT IS STILL FULLY OPERATIONAL.
16.	THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OR RELOCATION OF ITEMS, NOT SHOWN ON THESE DRAWINGS TO ACCOMMODATE THE RENOVATIONS. CONTRACTOR SHALL INCLUDE, IN BASE BID, AN ALLOWANCE FOR UNFORESEEN CONDITIONS WHEN CONCEALED WORK IS EXPOSED. CLAIMS FOR ADDITIONAL DEMOLITION WORK WILL NOT BE ACCEPTED EXCEPT FOR CERTAIN CASES CONSIDERED JUSTIFIABLE BY THE ARCHITECT/ENGINEER.

FIRE ALARM NOTES:	
1.	CONTRACTOR SHALL VERIFY AND COORDINATE WITH THE BUILDING FIRE ALARM MAINTENANCE VENDOR FOR TYPE OF FIRE ALARM DEVICES TO BE USED.
2.	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.
3.	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.
4.	PERMITS AND APPROVALS NECESSARY FOR INSTALLATION OF WORK SHALL BE OBTAINED PRIOR TO THE COMMENCEMENT OF THE WORK. ALL PERMIT COSTS AND INSPECTION FEES SHALL BE INCLUDED AS PART OF THIS CONTRACT.
5.	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.
6.	IN AREAS WHERE DUST AND DIRT WILL BE AIRBOURNE DURING DEMOLITION AND CONSTRUCTION THE CONTRACTOR SHALL PROVIDE PLASTIC WRAPOVER SMOKE DETECTORS AND THEN REMOVE ONCE SPACE IS CLEAN. IF A FIRE ALARM DEVICE IS LOCATED ON A WALL OR CEILING TO BE REMOVED, UNLESS OTHERWISE INDICATED THE DEVICE SHALL BE REMOVED AND STORED. ONCE CONSTRUCTION IS COMPLETE THE DEVICE SHALL BE REINSTALLED IN ITS ORIGINAL LOCATION OR AS CLOSE TO ITS ORIGINAL LOCATION AS FEASIBLE. REUSE EXISTING WIRING IF POSSIBLE, PROVIDE NEW WIRING IF NECESSARY.
7.	UNLESS DIRECTED OTHERWISE BY FIRE ALARM SYSTEM MANUFACTURER FIRE ALARM DEVICE WIRING SHALL BE AS FOLLOWS (FOR BIDDING PURPOSES ONLY) SIGNAL WIRING - #14 AWG TWISTED/SHIELDED BELL WIRING - #14 AWG TWISTED CABLE STROBE WIRING - #14 AWG TWISTED CABLE THE WIRING SHALL HAVE THE FOLLOWING CHARACTERISTICS: A. A MINIMUM TEMPERATURE RATING 150° C B. A MINIMUM AVERAGE INSULATION THICKNESS OF 15 MILS C. A MINIMUM AVERAGE JACKET THICKNESS OF 25 MILS D. THE COLOR OF THE CABLE SHALL BE RED E. THE CABLE SHALL BE A TYPE, FPLP (PLENUM TYPE) WHEN CONDUIT IS USED, TO PURCHASING F. THE CABLE SHALL BE VISIBLY MARKED EXTERNALLY THAT IT MEETS THE ABOVE REQUIREMENTS AND IS LISTED BY UL. CONFIRM WIRING TYPE AND QUANTITY WITH FIRE ALARM SYSTEM MANUFACTURER PRIOR.
8.	PROVIDE MC FIRE ALARM CABLE WITH RED STRIPE AS MANUFACTURED BY AFC SERIES 1800 WHEN CABLE IS CONCEALED OR ABOVE HUNG CEILING. WHEN FIRE ALARM CABLE IS RUN EXPOSED IN FINISHED AREAS, CABLE SHALL RUN IN WIREMOLD V-700. WHEN FIRE ALARM CABLE IS RUN EXPOSED IN UNFINISHED AREAS, PROVIDE PLENUM RATED CABLE IN MIN. 3" CONDUIT.
9.	STROBES SHALL HAVE A MINIMUM LIGHT OUTPUT OF 75 CANDELA AND A FLASH RATE OF 1-3 HZ.
10.	SHUTDOWN OF HVAC SYSTEM EQUIPMENT (NOT LIMITED TO, ROOF TOP, EXHAUST FANS, ETC.) OF 1000 CFM OR GREATER, SHALL BE PERFORMED VIA A RELAY INTERFACE SYSTEM. SEND SIGNAL TO BUILDING AUTOMATED TEMPERATURE CONTROL (ATC) SYSTEM INDICATING SHUTDOWN HAS OCCURRED. EQUIPMENT RESTART SHALL BE BY BUILDING 'ATC' SYSTEM UPON FIRE ALARM RESET TO NORMAL MODE. RESTART OF EQUIPMENT SHALL BE SEQUENTIAL.
11.	AFTER THE SYSTEM MODIFICATIONS ARE COMPLETE TEST ALL COMPONENTS IN ACCORDANCE WITH SEQUENCE OF OPERATION PRIOR TO FIRE DEPARTMENT INSPECTION.
12.	A CARBON MONOXIDE DETECTORS SHALL BE PROVIDED IN ALL BOILER ROOMS. ACTIVATION INITIATE A SUPERVISORY SIGNAL AT THE FIRE ALARM CONTROL PANEL AND ANNUNCIATOR PANEL WHEN 70 PPM ARE REACHED WITHIN 60-240 MINUTES OR 150 PPM ARE REACHED WITHIN 10-50 PER UL 2034.

GENERAL NEW WORK NOTES:	
1.	UNLESS NOTED AS EXISTING OR PROVIDED BY OTHERS, CONTRACTOR SHALL PROVIDE ALL MATERIALS SHOWN ON DRAWINGS. ALL MATERIALS PROVIDED SHALL BE NEW, UNUSED CONDITION.
2.	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 BE MAINTAINED THROUGHOUT THE ENTIRE PROJECT. TEMPORARY SHUTDOWN OF SYSTEMS SHALL ONLY BE ALLOWED WITH WRITTEN CONSENT OF OWNER. EXISTING ALARM AND EMERGENCY SYSTEMS SHALL NOT BE DISRUPTED AT ANY TIME DURING THE PROJECT.
3.	REMOVE & REINSTALL EXISTING CONSTRUCTION (CEILINGS, LIGHTING, ELECTRICAL EQUIPMENT, FIRE ALARM DEVICES, FURNISHINGS, ETC.) AS NECESSARY TO COMPLETE THE REMOVALS & RENOVATION WORK REQUIRED BY THE DRAWINGS & SPECIFICATIONS; REPLACE ANY ITEMS DAMAGED BY OR DUE TO THIS REMOVAL & REINSTALLATION WITH NEW ITEMS TO MATCH EXISTING. (APPLIES TO AREAS WITHIN & OUTSIDE OF THE PROJECT AREA).
4.	IN AREAS WHERE CEILING IS BEING REMOVED, EXISTING CONDUITS AND CABLING WHICH ARE NOT INDEPENDENTLY SUPPORTED ABOVE THE CEILING SHALL BE INDEPENDENTLY SUPPORTED FROM THE STRUCTURE ABOVE USING SPECIFIC METHODS.
5.	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 BOXES SHALL BE READILY ACCESSIBLE.
7.	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.
8.	PROVIDE SEPARATE RACEWAYS AND BOXES FOR CONDUCTORS OF NORMAL AND EMERGENCY CIRCUITS.
9.	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 DRAWINGS.
10.	THE USE OF NON-METALLIC SURFACE RACEWAY OR EXPOSED NON-METALLIC RACEWAY IN ASSEMBLY SPACES AND MEANS OF EGRESS AREAS IS PROHIBITED.
11.	THE USE OF SHARED NEUTRALS IN LIGHTING AND RECEPTACLE BRANCH CIRCUITS IS PROHIBITED. PROVIDE SEPARATE NEUTRAL AND GROUND FOR EVERY CIRCUIT.
12.	PROTECT EXISTING SURFACES.
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.
15.	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.
18.	THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL SUPPORT HARDWARE FOR SECURELY FASTENING THE ELECTRICAL CONTROL DEVICES AND ENCLOSURES TO THE BUILDING STRUCTURE. THE REQUIRED HARDWARE INCLUDES, BUT IS NOT LIMITED TO, INTERMEDIATE STEEL ANGLE, UNISTRUCT, FASTENERS, JOISTS CLAMPS, ETC. MOUNT STARTERS, VFD'S, DISCONNECTS, RELAYS, AND OTHER ELECTRICAL CONTROL DEVICES AND ENCLOSURES AT LOCATION(S) INDICATED IN ELECTRIC EQUIPMENT & CONTROL SCHEDULE(S). ALLOW MAINTENANCE ACCESS AND SERVICE SPACE AT EACH LOCATION.
19.	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, KICAT RATINGS, 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 BREAKER DIRECTORIES.
21.	EACH RECEPTACLE, SWITCH AND JUNCTION BOX, PROVIDED, OR ALTERED, UNDER THIS CONTRACT, SHALL BE LABELED WITH THE CORRESPONDING POWER PANEL NAME AND CIRCUIT BREAKER NUMBER. ALL LABELING SHALL BE TYPEWRITTEN USING A LABEL MAKER AND SHALL BE PERMANENTLY AFFIXED TO EACH FACEPLATE. HANDWRITTEN LABELS WILL NOT BE ACCEPTED. PRIOR TO START OF LABELING, MEET WITH OWNER TO DETERMINE LABELING SCHEME TO BE UTILIZED. PROVIDE LABELING TO MEET OWNER REQUIREMENTS.
22.	ALL ITEMS THAT REQUIRE ACCESS, SUCH AS FOR OPERATING, CLEANING, SERVICING, MAINTENANCE, AND CALIBRATION, SHALL BE EASILY AND SAFELY ACCESSIBLE BY PERSONS STANDING AT FLOOR LEVEL, OR STANDING ON PERMANENT PLATFORMS, WITHOUT THE USE OF PORTABLE LADDERS. EXAMPLES OF THESE ITEMS INCLUDE, BUT ARE NOT LIMITED TO: ALL TYPES OF SWITCHES, PANELBOARDS, OCCUPANCY SENSORS, CONTROL DEVICES, ETC.. PRIOR TO COMMENCING INSTALLATION WORK, REFER CONFLICTS BETWEEN THIS REQUIREMENT AND CONTRACT DRAWINGS TO OWNER FOR RESOLUTION.
23.	CLEANING DURING ELECTRICAL WORK: CLEAN THE ROOMS AND AREAS OF WORK THAT WILL BE DONE TO MINIMIZE DISTURBANCE IN THE BUILDINGS. WORKERS ARE TO USE PATHWAYS AND FACILITIES AGREED UPON WITH THE DISTRICT DESIGNEE IN WRITING. THE AREA OUTSIDE THE BUILDING WHERE CUTTING WELDING OR STORAGE IS ALLOWED IS TO BE FENCED AT ALL TIMES. THE CONTRACTOR WILL ON A DAILY BASIS CLEAN THE GROUNDS AND THE BUILDING OF ANY DEBRIS OR GARBAGE GENERATED BY THEIR WORK.

COORDINATION NOTE:	
1.	COORDINATION- IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL AND MECHANICAL CONTRACTORS TO COORDINATE THEIR WORK. THE HVAC CONTRACTOR SHALL TAKE THE LEAD IN THE COORDINATION EFFORT AND PRODUCE THE COORDINATION DRAWINGS. COORDINATION DRAWINGS SHALL BE SUBMITTED FOR APPROVAL TO THE ENGINEER PRIOR TO STARTING ANY WORK. CEILING SPACE IS VERY LIMITED AND DUCTWORK/PIPING INSTALLATION AND LOCATION IS CRITICAL. THE PURPOSE OF THESE DRAWINGS IS TO COORDINATE THE LOCATIONS OF ALL PIPING, DUCTWORK, AND ASSOCIATED ELECTRICAL EQUIPMENT. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED AND LOCATED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC). MECHANICAL EQUIPMENT CANNOT INFILTRATE THE ELECTRICAL EQUIPMENTS WORKING CLEARANCE AND WORKING SPACE. NOR CAN IT BE INSTALLED DIRECTLY ABOVE OR BELOW TO THE STRUCTURE, AS IDENTIFIED WITHIN THE NEC, ARTICLE 110 - "REQUIREMENTS FOR ELECTRICAL INSTALLATION". THIS COORDINATION IS REQUIRED FOR ALL PHASES OF THIS PROJECT. FAILURE TO FOLLOW THIS PROCEDURE DOES NOT RELIEVE THE CONTRACTOR FROM THE DUTIES AND WILL NOT CONSTITUTE A REASON FOR A CHANGE ORDER.

ABBREVIATIONS	
EX-	EXISTING
A-	AMPERE
NF-	NON-FUSED
EXT-	EXTERIOR
AC-	ABOVE COUNTER
NIC-	NOT IN CONTRACT
FA-	FIRE ALARM
AFF-	ABOVE FINISHED FLOOR
NL-	NIGHT LIGHT
NTS-	NOT TO SCALE
FL-	FLOOR
AHU-	AIR HANDLING UNIT
OC-	ON CENTER
FLA-	FULL LOAD AMPS
A/V-	AUDIO/VISUAL
P-	POLY
FLUOR-	FLUORESCENT
AWG-	AMERICAN WIRE GAUGE
PNL-	PANEL
CC-	GENERAL CONTRACTOR
AU-	AT UNIT
PRI-	PRIMARY
GFI-	GROUND FAULT CIRCUIT BREAKER
BKR-	BREAKER
SEC-	SECONDARY
C-	CONDUIT
SW-	GROUND SWITCH
CB-	CIRCUIT BREAKER
HP-	HORSEPOWER
TEL-	TELEPHONE
CKT-	CIRCUIT
HVAC-	HEATING VENTILATION & AIR CONDITIONING
TV-	TELEVISION
CLG-	CEILING
TYP-	TYPICAL
DEMO-	DEMOLISH/DEMOLITION
KVA-	KILOVOLT AMPS
UGE-	UNDERGROUND ELECTRIC
DTL-	DETAIL
KW-	KILOWATTS
UNO-	UNLESS NOTED OTHERWISE
DWG-	DRAWING
LTG-	LIGHTING
EA-	EACH
MC-	MECHANICAL CONTRACTOR
EC-	ELECTRICAL CONTRACTOR
MCA-	MINIMUM CIRCUIT AMPS
WG-	WIRE GUARD
EF-	EXHAUST FAN
MCB-	MAIN CIRCUIT BREAKER
WP-	WEATHERPROOF
EM-	EMERGENCY
MDP-	MAIN DISTRIBUTION PANEL
XFMR-	TRANSFORMER
EC-	ELECTRICAL CONTRACTOR
MC-	MECHANICAL CONTRACTOR
PC-	PLUMBING CONTRACTOR
VIF-	VERIFY IN FIELD
NOTE: ABBREVIATIONS MAY OR MAY NOT USE PERIODS, EXAMPLE A-I.F. OR AFF	

1_27_2022

ENGINEER:

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CONSULTANT(S):

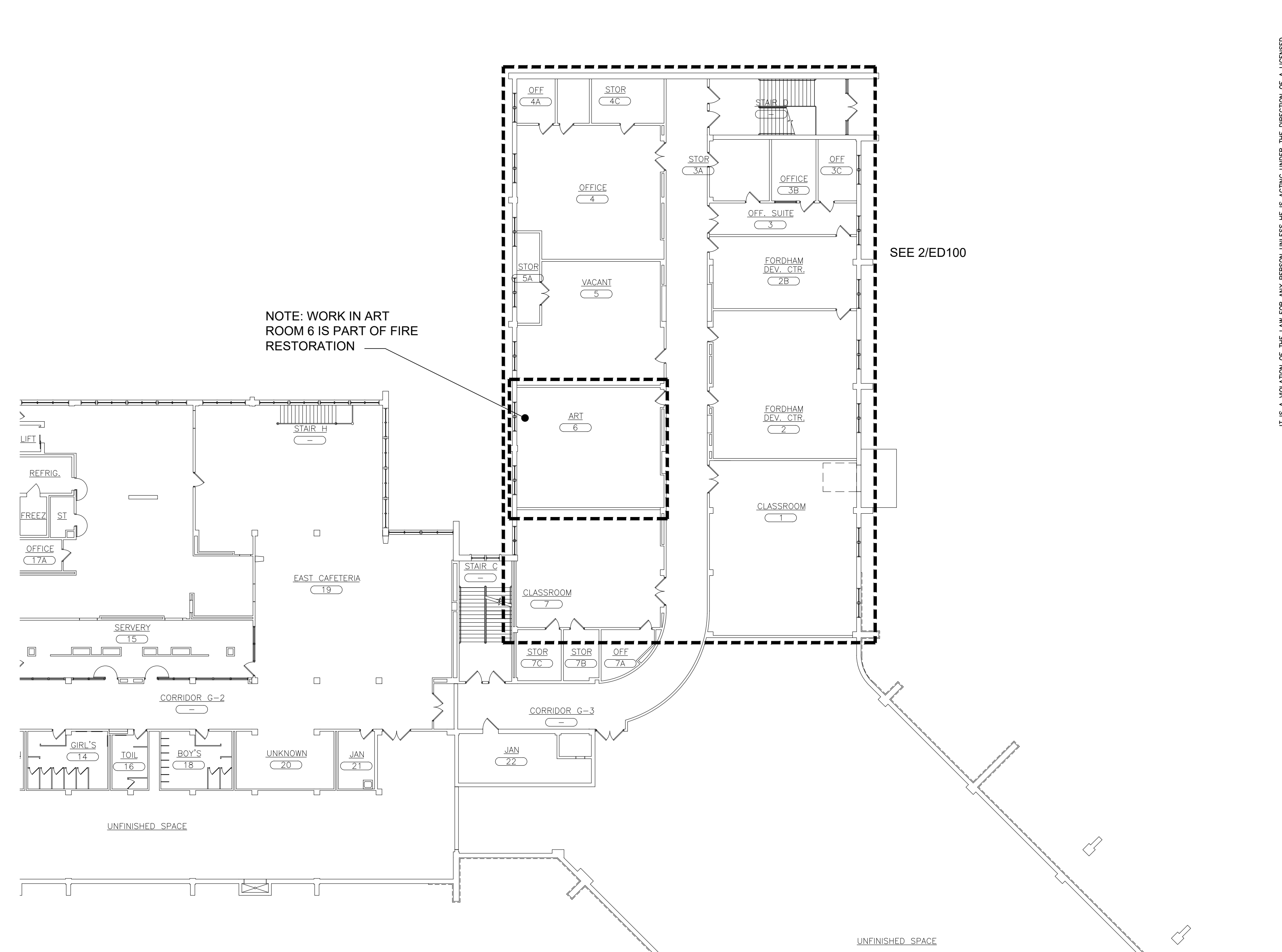
YONKERS PUBLIC SCHOOLS
FIRE RESTORATIONS
CROSS HILL ACADEMY
160 BOLMER AVE, YONKERS N.Y. 10703
S.E.D.# 66-23-0001-0041-011

ENR PROJECT NO.	Y210601	
YPS NO.	10929	
REVISION	DATE	BY
ISSUED FOR BID		
DRAWN BY	JMJ	
CHECKED BY	JJE	
SHEET SIZE	MCH E1 30" x 42"	
SCALE	AS NOTED	
SHEET TITLE		

ABBREVIATIONS AND SYMBOLS

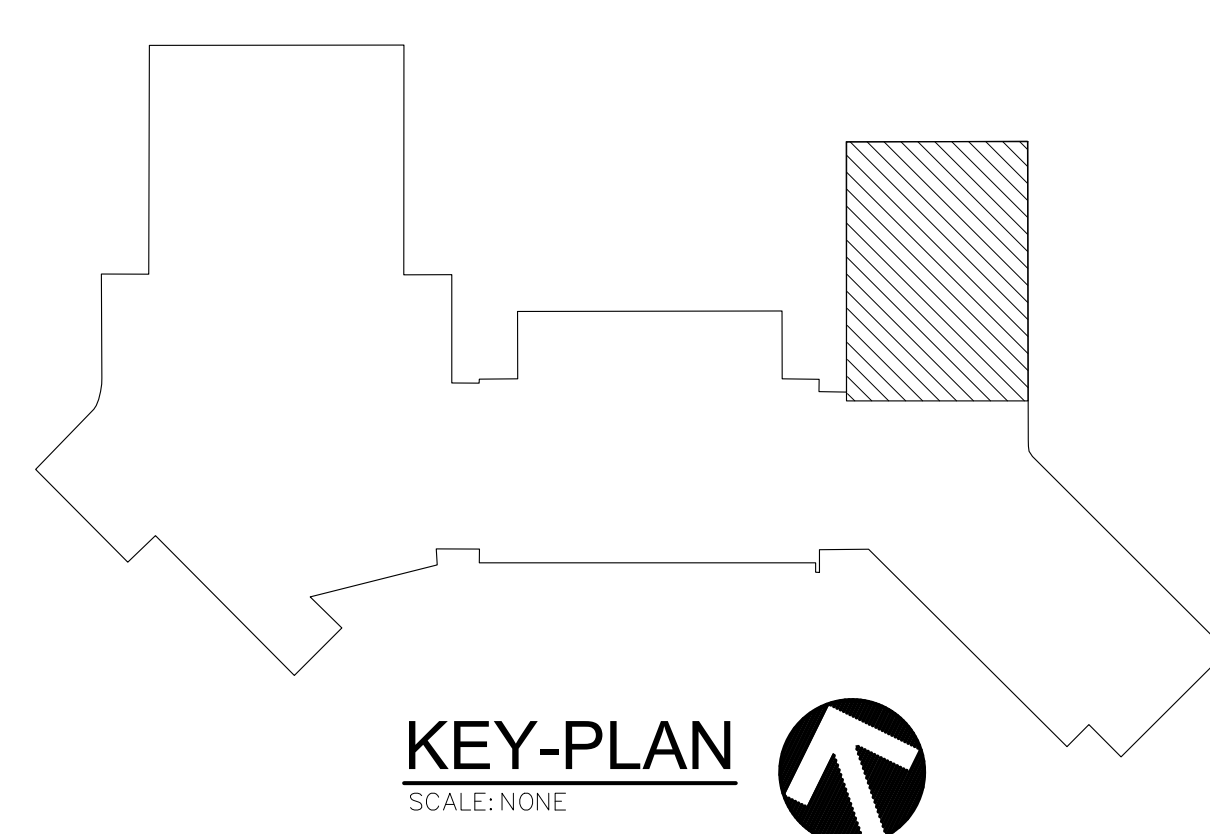
CHA E-001

FILE PATH - N:\Y - PROJECT DIRECTORIES\Yonkers Public Schools\Cross Hill Academy (Formerly Ennerson)\Y210601 - Cross Hill Academy Fire Ctr. # 10929\Coord\2021-09-14 ER\Y210601-e001-011.dwg





- | KEYED NOTES - DEMOLITION | |
|--------------------------|---|
| ① | CONTRACTOR SHALL REMOVE ALL ASSOCIATED WIRING, CONDUITS, OUTLETS, DISCONNECT SWITCHES, AND BREAKERS, ACCESSORIES IN THEIR ENTIRETY BACK TO THE POWER SOURCE (PANEL PP-G) IN ROOM 7. PREPARE FOR NEW WORK. |
| ② | REMOVE SWITCHES, WIREMOLD AND CONDUIT BACK TO SOURCE. PREPARE FOR NEW WORK. |
| ③ | REMOVE CLOCK, SPEAKER, DATA OUTLETS, STROBE AND ALL APPURTENANCES BACK TO SOURCE. PREPARE FOR NEW WORK. |
| ④ | REMOVE LIGHTING AND CONDUIT BACK TO PANEL PP-G RM7. PREPARE FOR NEW WORK |

Number of Genes	Percentage of Genes
0	10
2	40
4	20
8	15
16	10
32	5








IT IS A VIOLATION OF THE LAW FOR ANY PERSON UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ARCHITECT/ENGINEER TO ALTER THIS DRAWING IN ANY WAY. ALTERATIONS MUST HAVE THE SEAL AFFIXED TO THE DRAWING WITH A REPRODUCTION OF THE ALTORELLO, THE FOLIO NUMBER AND DATE. EXEMPTIONS DO NOT APPLY TO THIS DRAWING.



ENGINEER:			
 <p>Eisenbach & Rumke Engineering, P.A. 291 Genesee Street — Utica, NY 13501 Ph: 315-792-1818 or 315-792-4366 www.enrappc.com</p>			
CONSULTANT(S):			
STAMP 			
<h1 style="margin: 0;">YONKERS PUBLIC SCHOOLS</h1> <h1 style="margin: 0;">FIRE RESTORATIONS</h1> <h1 style="margin: 0;">CROSS HILL ACADEMY</h1> <p style="font-size: 1.2em; margin-top: 10px;">160 BOLMER AVE., YONKERS N.Y.: 10703</p>			
E&R PROJECT NO.		Y21CH01	
YPS NO.		10929	
REVISION	DATE	BY	
ISSUED FOR BID			
DRAWN BY	JMJ		
CHECKED BY			
SHEET SIZE	ARCH E1 30" x 42"		
SCALE	AS NOTED		
SHEET TITLE			
<h2 style="margin: 0;">PARTIAL GROUND FLOOR PLANS - DEMOLITION</h2>			
SHEET NO.			
<h1 style="margin: 0;">CHA ED-100</h1>			

ELECTRIC EQUIPMENT AND CONTROL SCHEDULE																				
EQUIPMENT						SUPPLY									CONTROLLER DEVICE TYPE & ACCESSORIES (UNO, PROVIDED BY ELECTRICAL CONTRACTOR)					
DESIGNATION	DESCRIPTION	ROOM LOCATION	SIZE		VOLTAGE/ PHASE	PANEL/CONTROL CENTER	CIRCUIT NUMBER	BREAKER SIZE	POWER WIRING FROM PANEL TO CONTROL UNIT		POWER WIRING FROM CONTROL UNIT TO EQUIPMENT		GROUND WIRE (SIZED PER NEC)	CONTROL DEVICE INSTALL LOCATION	FIRE ALARM FAN SHUTDOWN (DSD)	DISCONNECT SWITCH			REF. NOTES	
			HP	WATTS FLA					WIRE	COND.	WIRE	COND.				FRAME	FUSE	LOCATION		
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	¾"	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	¾"	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	

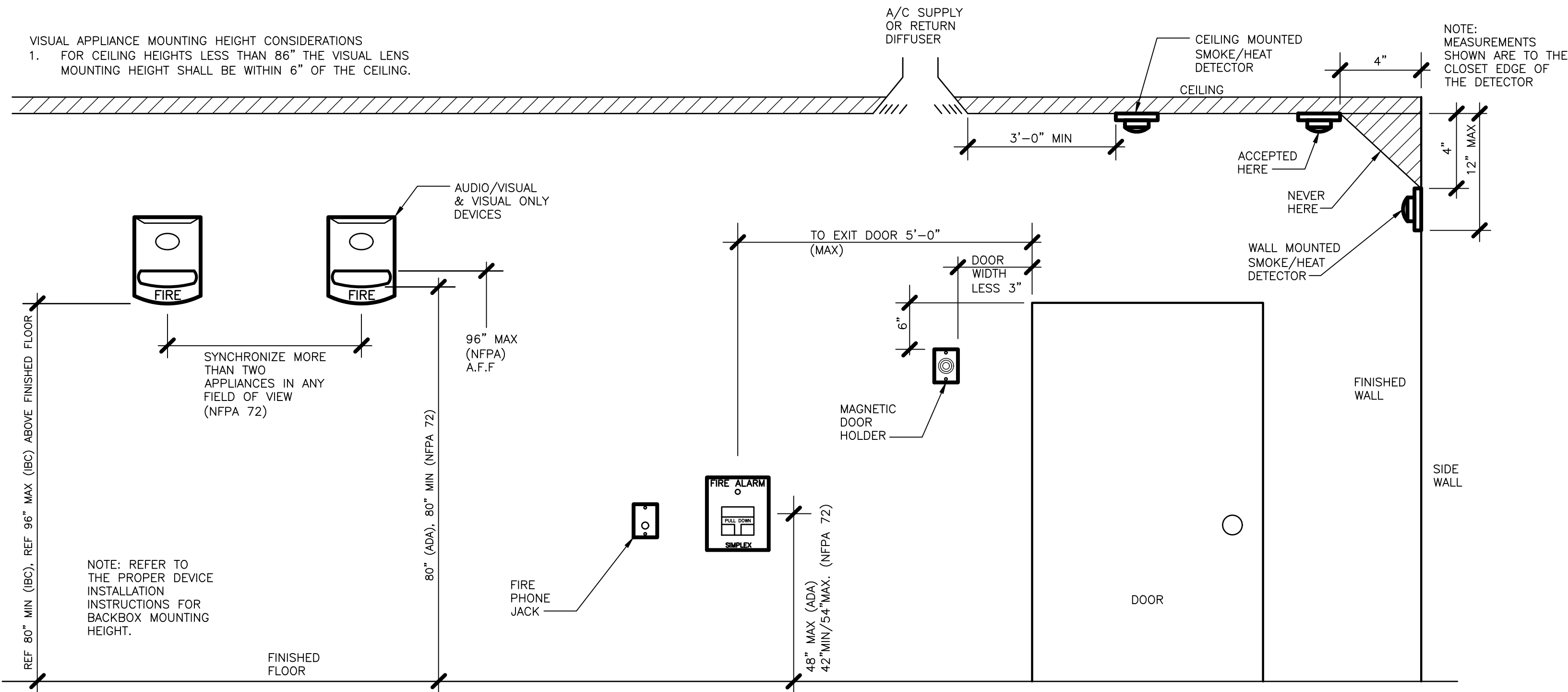
AU - AT UNIT
N/A - NOT APPLICABLE
FRAC. - FRACTIONAL
1. FOLLOW NEC REQUIREMENTS.

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
	HEAT DETECTOR	SEE DEVICE LOCATION DETAIL THIS DWG	FST-851(A) W/B210LP(A) (HONEYWELL)	OR APPROVED EQUAL
	SMOKE DETECTOR	SEE DEVICE LOCATION DETAIL THIS DWG	FSP-851(A) W/B200S(COA) (HONEYWELL)	OR APPROVED EQUAL
 30	VISUAL SIGNALING DEVICE. NUMBER DENOTES CANDELA RATING.	SEE DEVICE LOCATION DETAIL THIS DWG	SRL (RED) (HONEYWELL)	OR APPROVED EQUAL
 EM	EMERGENCY WALL LIGHT		SURE-LITES SEL50R7WHSD SELF DIAGNOSTIC, ROUND LENSE (WHITE) (COOPER)	OR APPROVED EQUAL

GENERAL NOTES: CANDELA RATINGS SHALL BE BASED ON NFPA 72 TABLE 18.5.5.4.1(g) 2013

LIGHT FIXTURE SCHEDULE							
TYPE	DESCRIPTION	LAMPS	VOLTAGE/DRIVER	MOUNTING	DESIGN BASIS	ACCEPT, MFR'S.	REMARKS
L1 	GRAD LINEAR 8"x4'-0"	4000K	120	PENDENT LINEAR	UTHONA LIGHTING ORB-SL-4FT-MSL4-80CRI-40K -D1000LMF 20/80-MINI-ZT-120V -E10WICP-F1A-24A-C202-DU	OR APPROVED EQUAL	NOTE 1
L2 	LED FLAT PANEL 2'x2'	4000K	120-277	LAY-IN	RAB LIGHTING EZPANFA-2x2-D10-E2 40W W/ ALL APPURTENANCES	OR APPROVED EQUAL	

BB- BATTERY BACKUP
NOTES:
1. CONTRACTOR TO FIELD VERIFY EXACT STEM LENGTH IN FIELD (24" IN BASES OF DESIGN) THE LIGHT FIXTURE SHOULD BE MOUNTED AT SAME HEIGHT OFF FINISHED FLOOR TO MATCH THE BOTTOM OF LOWEST DUCTWORK INSTALLATION NOT TO CREATE SHADOWS

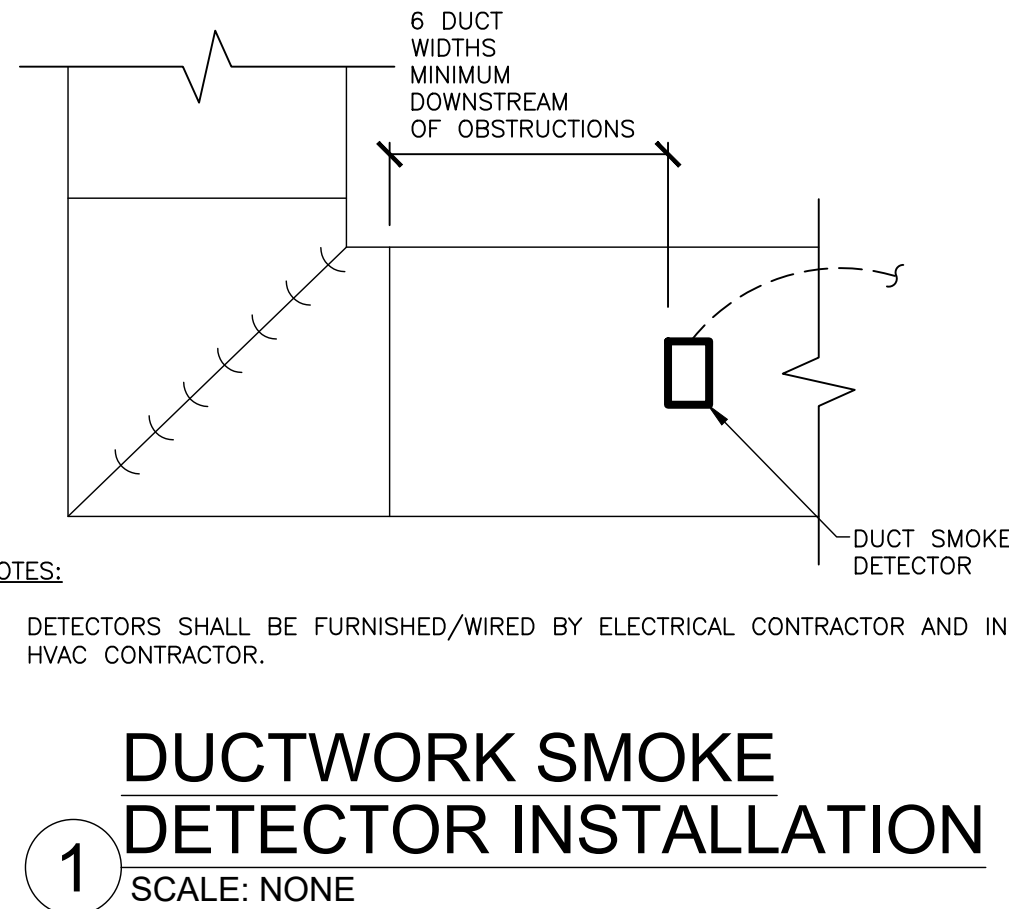
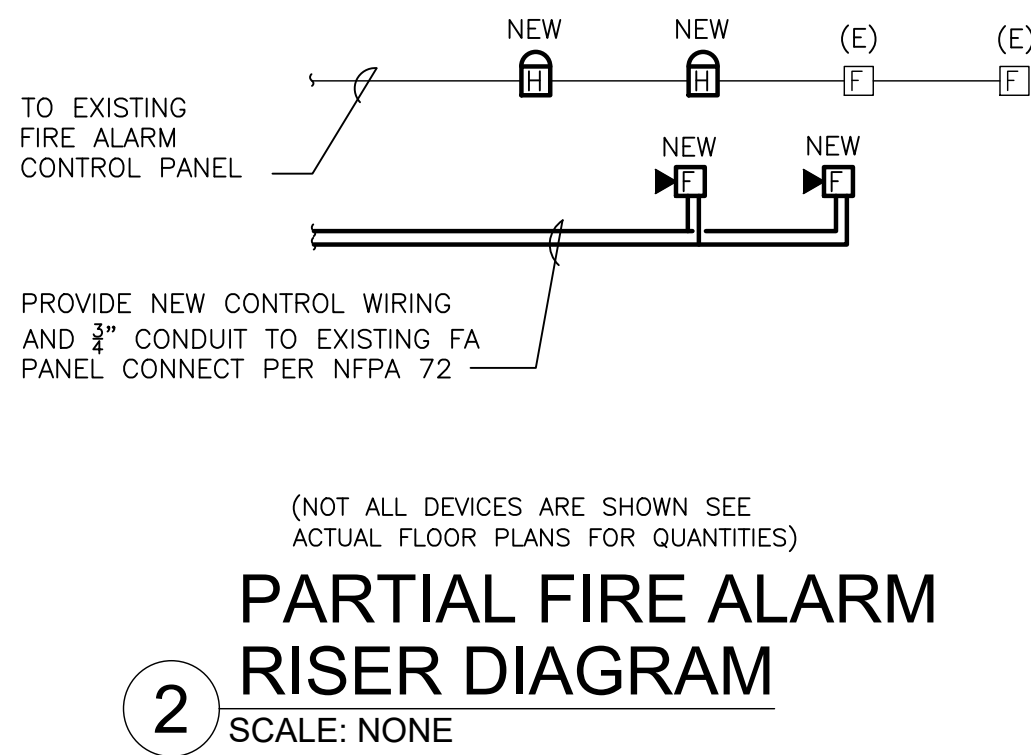



(FOR POWER, LIGHTS, PA AND FA SYSTEMS)
PROVIDE ARMORED METALLIC CABLE "MC" SHALL BE USED IN SHEETROCK WALLS AND ABOVE HUNG CEILINGS, WIREMOLD SHALL BE USED ON MASONRY WALLS STUBBING ABOVE 6" ABOVE CEILING SWITCHING TO "MC" AND "EMT" IN STORAGE ROOMS AND MECHANICAL AND ELECTRICAL ROOMS

3 DEVICE LOCATION DETAIL

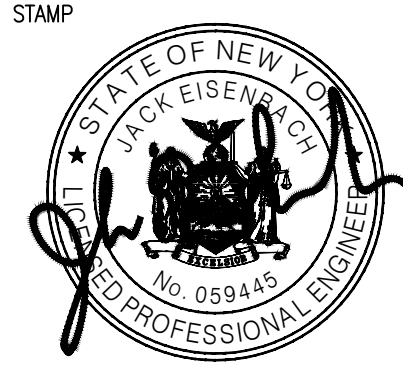
SCALE: NONE

NOTE: NOT ALL DEVICES MAY BE USED. (SHOWN FOR REFERENCE ONLY)



ENGINEER:

Eisenbach & Rohrer Engineering P.C.
201 Greenwich Street - 10th Fl. - Yonkers, NY 10701
914-942-7342 Fax 914-942-7343
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CONSULTANT(S):

STAMP


YONKERS PUBLIC SCHOOLS
FIRE RESTORATIONS
CROSS HILL ACADEMY
160 BOLLMER AVE, YONKERS N.Y. 10703
S.E.D.# 66-23-0001-0041-011

EMR PROJECT NO.	Y210601	
YPS NO.	10929	
REVISION	DATE	BY
ISSUED FOR BID		
DRAWN BY	JMJ	
CHECKED BY	JJE	
SHEET SIZE	ARCH E1 30" x 42"	
SCALE	AS NOTED	
SHEET TITLE	SCHEDULES AND DETAILS	

FILE PATH: -N:\1 - PROJECT DIRECTORIES\Yonkers Public Schools\Cross Hill Academy (Formerly Emersoa)\Y210601 - Cross Hill Academy Fire CIP # 10929\Cad\2021-09-14_ER\Y210601.E500.dwg

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E-500