

BID PROJECTS

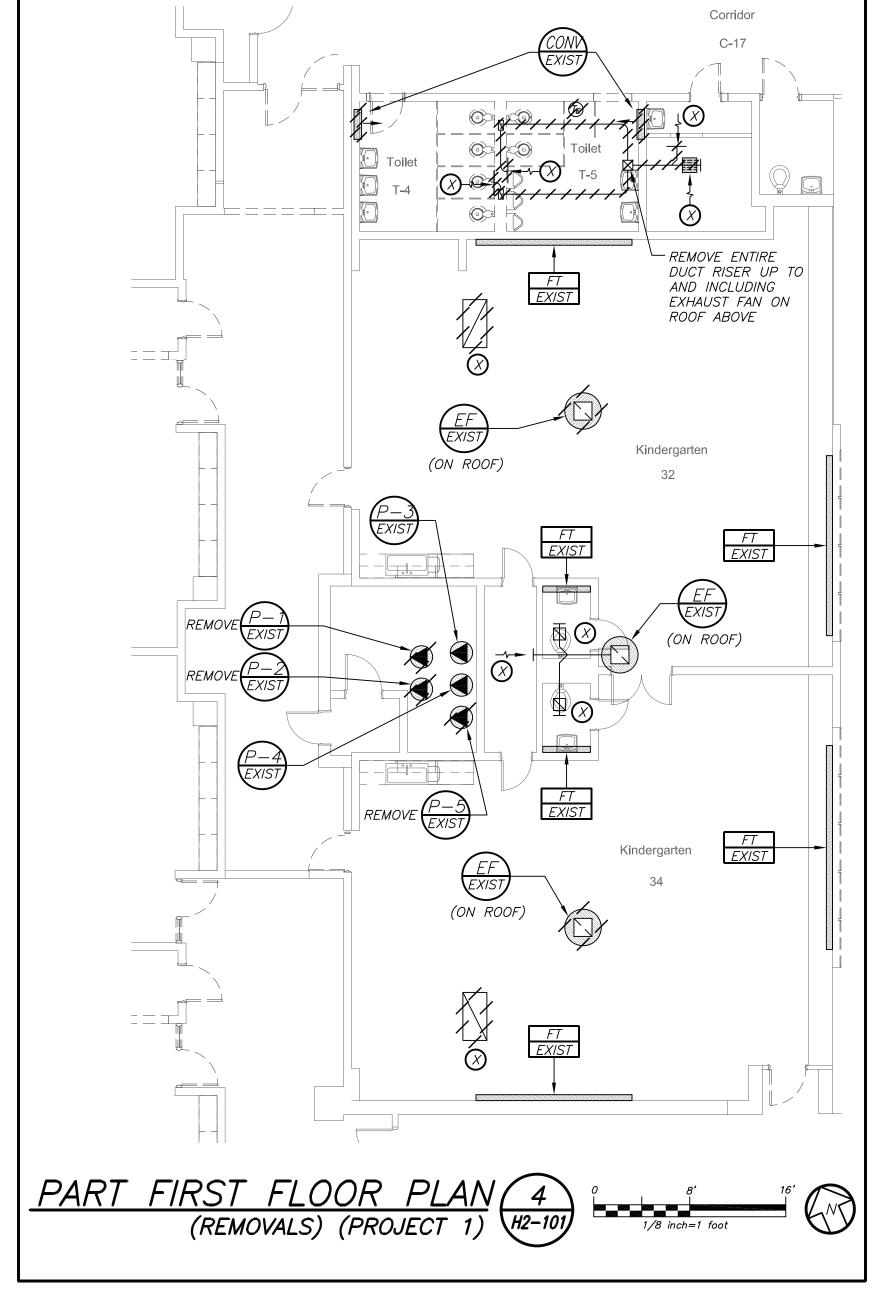
PROJECT 3: NOT USED

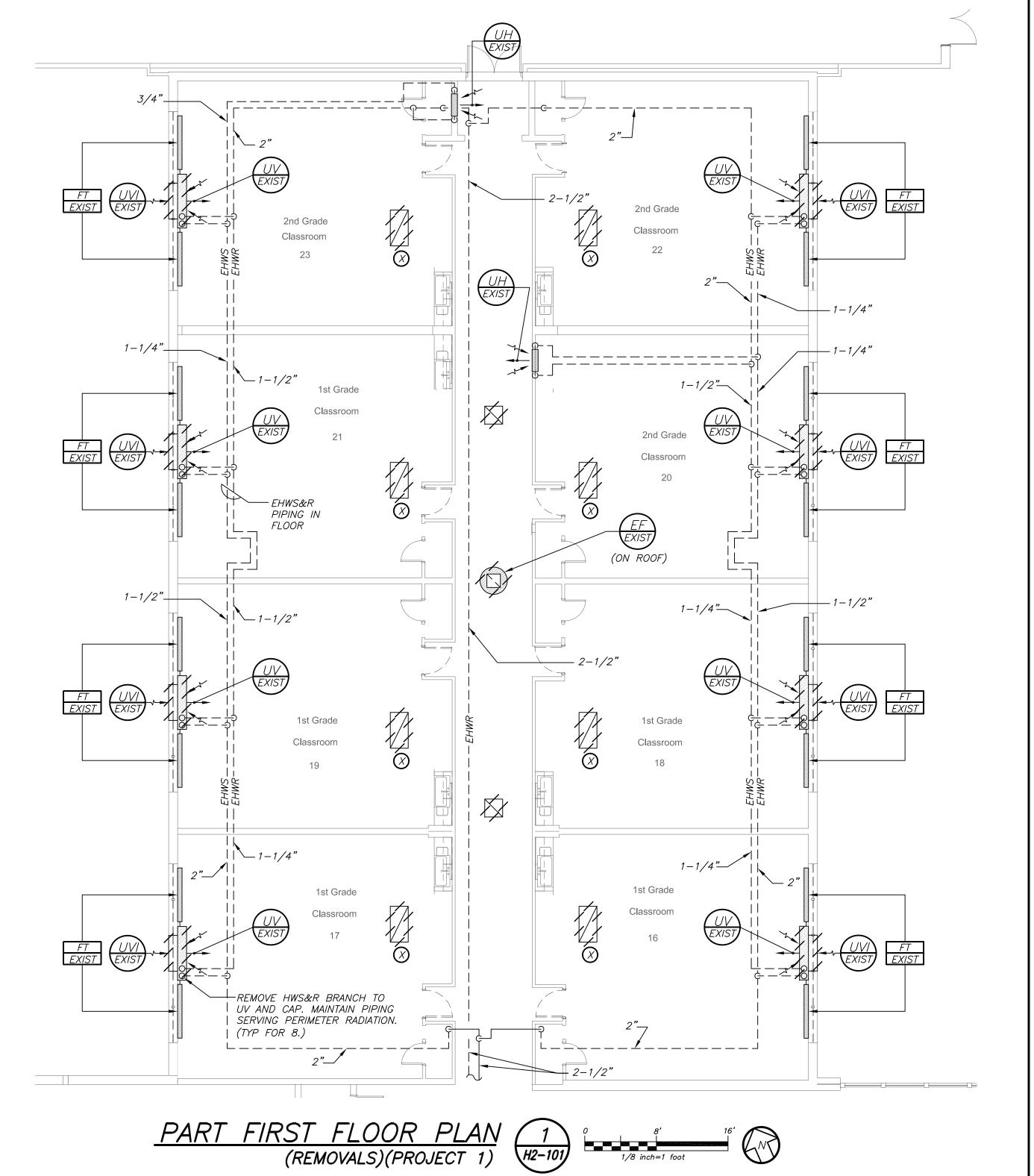
PROJECT 1: ALL WORK NOT INCLUDED IN PROJECTS 2 & 4 LISTED ALTERNATE 1A: GREY BOX COMPELETE RENOVATION. ALTERNATE 1B: MUSIC ROOMS RENOVATIONS.

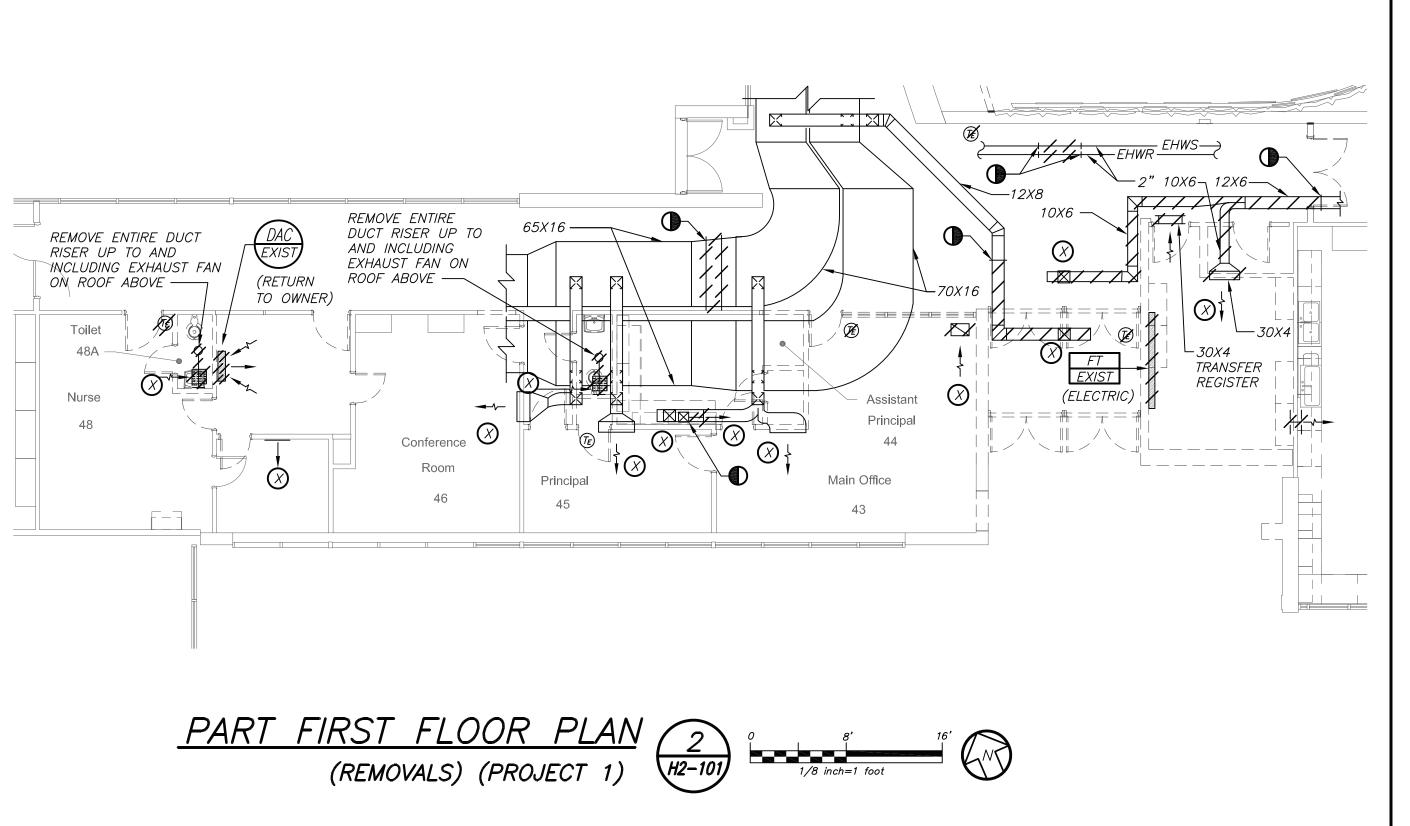
PROJECT 2: LIBRARY RENOVATION & SUPPORT SERVICES SUITE ALTERNATE 2A: TELECOIL HEARING LOOP FOR LIBRARY.

ALTERNATE 2B: KIVA TIERED SEATING FOR LIBRARY. ALTERNATE 2C: ACOUSTIC CEILING BAFFLES FOR LIBRARY.

PROJECT 4: WINDOW REPLACEMENT & GYM SKYLIGHT REPLACEMENT AND ROOF REPLACEMENT.







	EXISTING DUCTWORK, EQUIPMENT, ETC. TO REMAIN
	EXISTING DUCTWORK, EQUIPMENT, ETC. TO BE REMOVED —— POINT OF CHANGE IN DUCT SIZE
	NEW DUCTWORK1" THERMAL ACOUSTIC LINING (WHERE APPLICABLE)
	— FLEXIBLE CONNECTION NEW DUCTWORK — POINT OF CHANGE IN DUCT SIZE
****	TYPE-SEE SCHEDULE REGISTER/DIFFUSER IDENTIFICATION
P	SQUARE DUCT TURN WITH TURNING VANES
NO NO	EXISTING 4-WAY CEILING DIFFUSER
	EXISTING CEILING REGISTER
<u></u>	TYPE -SEE SCHEDULE
	NEW 4—WAY CEILING DIFFUSER —— CFM TYPE -SEE SCHEDULE
	CEILING EXHAUST/RETURN REGISTER —— CPM —— CP
	DUCT MTD. MANUAL AIR VOLUME DAMPER (W/LOCKING DEVIC OR CABLE OPERATED WHERE DAMPER IS INACCESSIBLE.
•	MOTORIZED AIR VOLUME DAMPER (WITH ACCESS DOOR)
_•	- SD & AD SMOKE DAMPER (U.L. APPROVED) & ACCESS DOOR
-0-	FIRE DAMPER (U.L. APPROVED) & ACCESS DOOR
EHWS	EXISTING HOT WATER HEATING SUPPLY PIPING
EHWR	EXISTING HOT WATER HEATING RETURN PIPING
	HOT WATER HEATING SUPPLY PIPING
—— <i>HWS</i> ——	HOI WAIER HEATING SUPPLI FIFING
—— HWR——	HOT WATER HEATING RETURN PIPING
<i>L</i>	NEW LIQUID REFRIGERANT LINE
	NEW SUCTION REFRIGERANT LINE
CD	CONDENSATE DRAIN PIPING
	FLOW DIRECTION WITHIN PIPE
	SHUT OFF VALVE
<u> </u>	COMBINATION BALANCING & SHUT-OFF VALVE (CIRCUIT SETTE
	PIPE CONNS. (BOTTOM; TOP 45 OR 90; PIPE UP)
(WAC) EXIST	EXISTING WINDOW AIR CONDITIONING UNIT IDENTIFICATION
WAC	NEW WINDOW AIR CONDITIONING UNIT IDENTIFICATION
EXIST	EXISTING HEAT—PUMP UNIT IDENTIFICATION
(HP)	NEW HEAT-PUMP UNIT IDENTIFICATION
EXIST	EXISTING CONDENSING UNIT IDENTIFICATION
CU *	NEW CONDENSING UNIT IDENTIFICATION
UV	EVICTING UNIT VENTUATOR URENTIFICATION
EXIST	EXISTING UNIT VENTILATOR IDENTIFICATION
EXIST	EXISTING UNIT VENTILATOR INTAKE LOUVER IDENTIFICATION
ÜH	EXISTING UNIT HEATER IDENTIFICATION
EXIST)	EXISTING GIVIT TIEXTEN IDENTIFICATION
EXIST	EXISTING ENERGY RECOVERY UNIT IDENTIFICATION
<u>ERU</u>	NEW ENERGY RECOVERY UNIT IDENTIFICATION
EXIST	EXISTING EXHAUST FAN IDENTIFICATION
(EF	NEW EXHAUST FAN IDENTIFICATION
CH	
*	NEW CABINET HEATER IDENTIFICATION
PEXIST	EXISTING HOT WATER PUMP IDENTIFICATION
P	
	NEW HOT WATER PUMP IDENTIFICATION
CONV EXIST	EXISTING CONVECTOR IDENTIFICATION
CONX	NEW CONVECTOR IDENTIFICATION
*	NEW CONVECTOR IDENTIFICATION
(HWC)	NEW HOT WATER HEATING COIL IDENTIFICATION
EHC	NEW ELECTRIC HEATING COIL IDENTIFICATION
*	NEW DIRECT EXPANSION COOLING COIL IDENTIFICATION
DAC	EXISTING DUCTLESS AIR CONDITIONER IDENTIFICATION
FT	EVISTING FINNED THEE PADIATION IDENTIFICATION
EXIST Co	EXISTING FINNED TUBE RADIATION IDENTIFICATION WALL MTD.(5'-2"+/- A.F.F.) TEMPERATURE SENSOR
(§)	EXISTING TEMPERATURE SENSOR
<u> </u>	WALL MTD.(5'-2"+/- A.F.F.) CARBON DIOXIDE SENSOR
→	POINT OF DISCONNECTION
•	POINT OF CONNECTION, NEW TO EXISTING
-U ►	DOOR UNDERCUT
CFM	CUBIC FEET PER MINUTE
WMG OAI	WIRE MESH GRILLE OUTSIDE AIR INTAKE
FC FC	FLEXIBLE CONNECTION
AD	ACCESS DOOR
VD	VOLUME DAMPER
FD/AD	FIRE DAMPER AND ACCESS DOOR
	FIRE DAMPER AND ACCESS DOOR HEATING, VENTILATING, AIR CONDITIONING CONTRACTOR ——SECTION/DETAIL/ELEVATION/PART PLAN NUMBER

REMOVAL NOTES

SECTION/ELEVATION IDENTIFICATION

-DRAWINĠ NUMBER

REMOVAL NOTES:

1) THE SCOPE OF REMOVAL SHOWN ON "REMOVALS" DRAWINGS 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 THIS CONTRACTOR TO REMOVE ANY RELATED MECHANICAL DEVICES EVEN IF NOT SPECIFICALLY INDICATED TO BE REMOVED ON THESE DRAWINGS IN ORDER TO ACCOMMODATE NEW WORK.

- (2) DEVICES SHOWN CROSS HATCHED ON DRAWINGS ARE ITEMS TO BE REMOVED. ANY DEVICES 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, UNTIL SUCH REMOVAL IS COMPLETE. THIS 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.
- (3) EQUIPMENT, PIPING, ETC., REQUIRED TO RECONNECT SHALL BE INSTALLED CONCEALED WITHIN THE NEW SUSPENDED CEILINGS, PARTITIONS AND/OR WALLS, FLOORS, NO SURFACE MOUNTED OR EXPOSED EQUIPMENT, PIPING, ETC., SHALL BE PERMITTED, UNLESS SPECIFICALLY INDICATED.
- 4) 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.
- 5 REMOVE EXISTING DISTRIBUTION DUCTWORK, CONNECTING PIPING, CONTROLS AND SUPPORTS. COORDINATE WITH GC TO PATCH AND SEAL ASSOCIATED WALLS, FLOOR, CEILINGS AND ROOF OPENINGS TO MATCH EXISTING CONSTRUCTION.

SED Submission 09/15/2020 01/08/202 SED Submission Addendum#1 ISSUED FOR BID 01/19/2021 4 H2-101 Geddis Architects Architecture. Planning. Interiors 71 Old Post Road P.O. Box 1020 Southport, CT 06890 (203) 256-8700

Revision Schedule

Description



Transforming Education by Design

259 Water Street Suite 1L Warren, RI 02885 USA +1 401-289-2789



CONSULTING ENGINEERS 39 MARBLE AVE PLEASANTVILLE, NY 10570

Construction Manager SAVIN ENGINEERS, P.C. 3 Campus Drive

> Pleasantville, NY 10570 914-769-3200

914.328.6060 GENERAL@BGA-ENG.com www.BGA-ENG.com

Structural Engineer
ODEH ENGINEERS 1223 Mineral Spring Ave North Providence, RI 02904

401-724-1771

<u>Civil Engineer</u> WESTON & SAMPSON 1 Winners Circle, Suite 130 Albany, NY 12205 518-463-4400

Acoustic Consultant DP DESIGN 12 Cold Spring Street Providence, RI 401-861-3218

AV Consultant CAVANAUGH TOCCI 327 F Boston Post Road Sudbury, MA 01776-3027 978-443-7871

SED#: 6618-0001-0001-023

PROJECT

Rye City Schools 555 Theodore Fremd Ave, Suite B-101

Osborn Elementary School

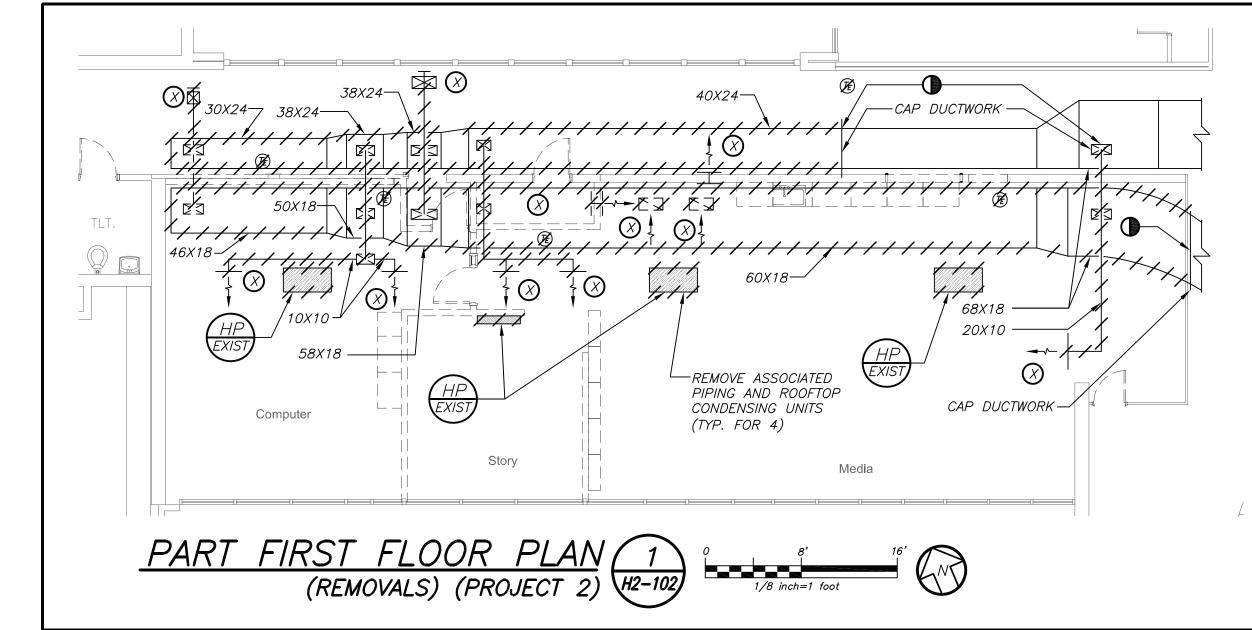
10 Osborn Road, Rye NY 10580

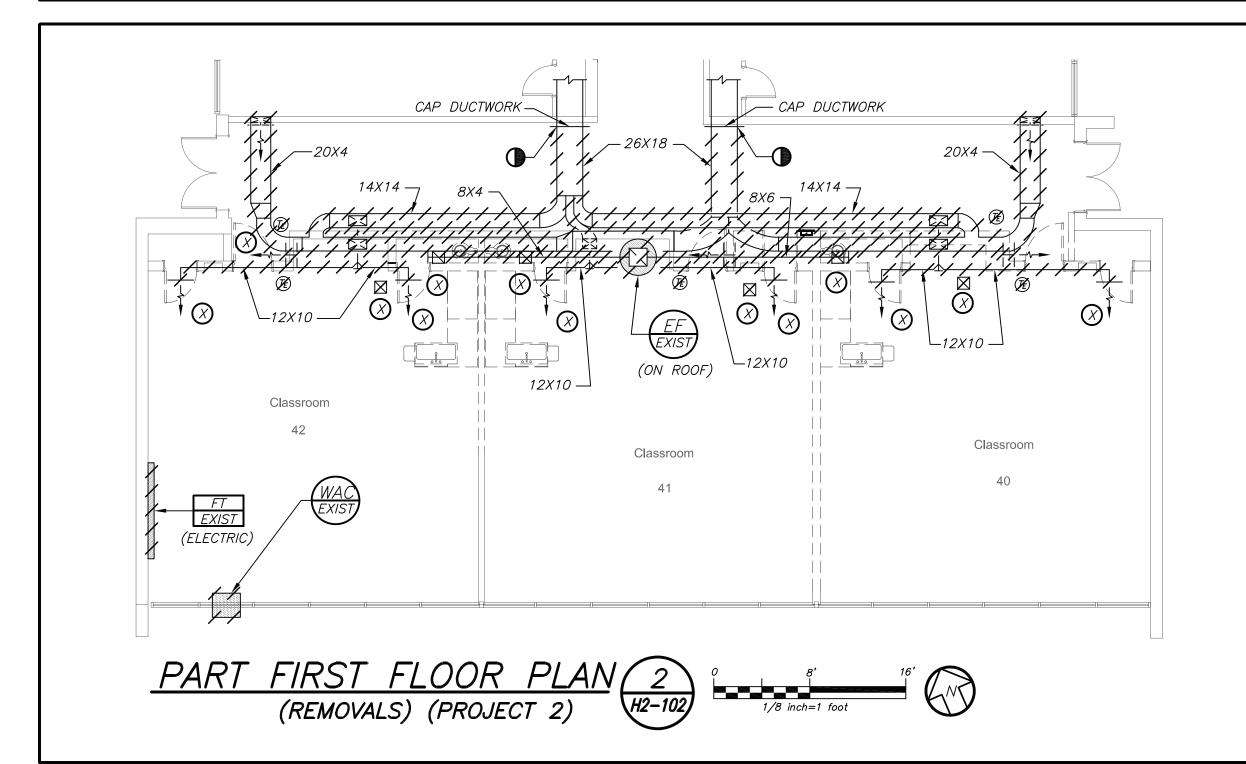
LEGEND, NOTES, AND PART FIRST FLOOR **PLANS**

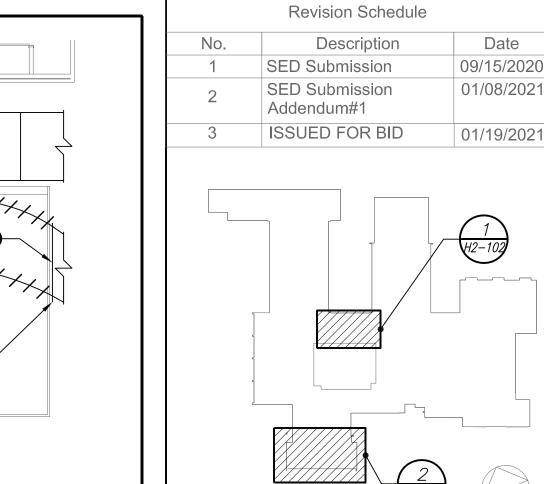
PROJECT 1 & 1A

SEAL & SIGNATURE | DATE: 12/18/19 PROJECT No: 9200 DRAWING BY: BGA CHK BY: DWG No: H2-101

OF ALL OTHER CONTRACTORS







Geddis Architects

Architecture. Planning. Interiors

71 Old Post Road P.O. Box 1020 Southport, CT 06890 (203) 256-8700



Transforming Education by Design

259 Water Street Suite 1L Warren , RI 02885 USA +1 401-289-2789



CONSULTING ENGINEERS
39 MARBLE AVE PLEASANTVILLE, NY 10570
914.328.6060 GENERAL@BGA-ENG.com www.BGA-ENG.com

Construction Manager
SAVIN ENGINEERS, P.C.
3 Campus Drive
Pleasantville, NY 10570
914-769-3200

Structural Engineer
ODEH ENGINEERS
1223 Mineral Spring Ave
North Providence, RI 02904
401-724-1771

Civil Engineer
WESTON & SAMPSON
1 Winners Circle, Suite 130
Albany, NY 12205
518-463-4400

Acoustic Consultant
DP DESIGN
12 Cold Spring Street
Providence, RI
401-861-3218

AV Consultant CAVANAUGH TOCCI 327 F Boston Post Road Sudbury, MA 01776-3027 978-443-7871

SED#: 6618-0001-0001-023

PROJECT

Rye City Schools
555 Theodore Fremd Ave, Suite B-101

Osborn Elementary School

10 Osborn Road, Rye NY 10580

PART FIRST FLOOR PLANS

PROJECT 2

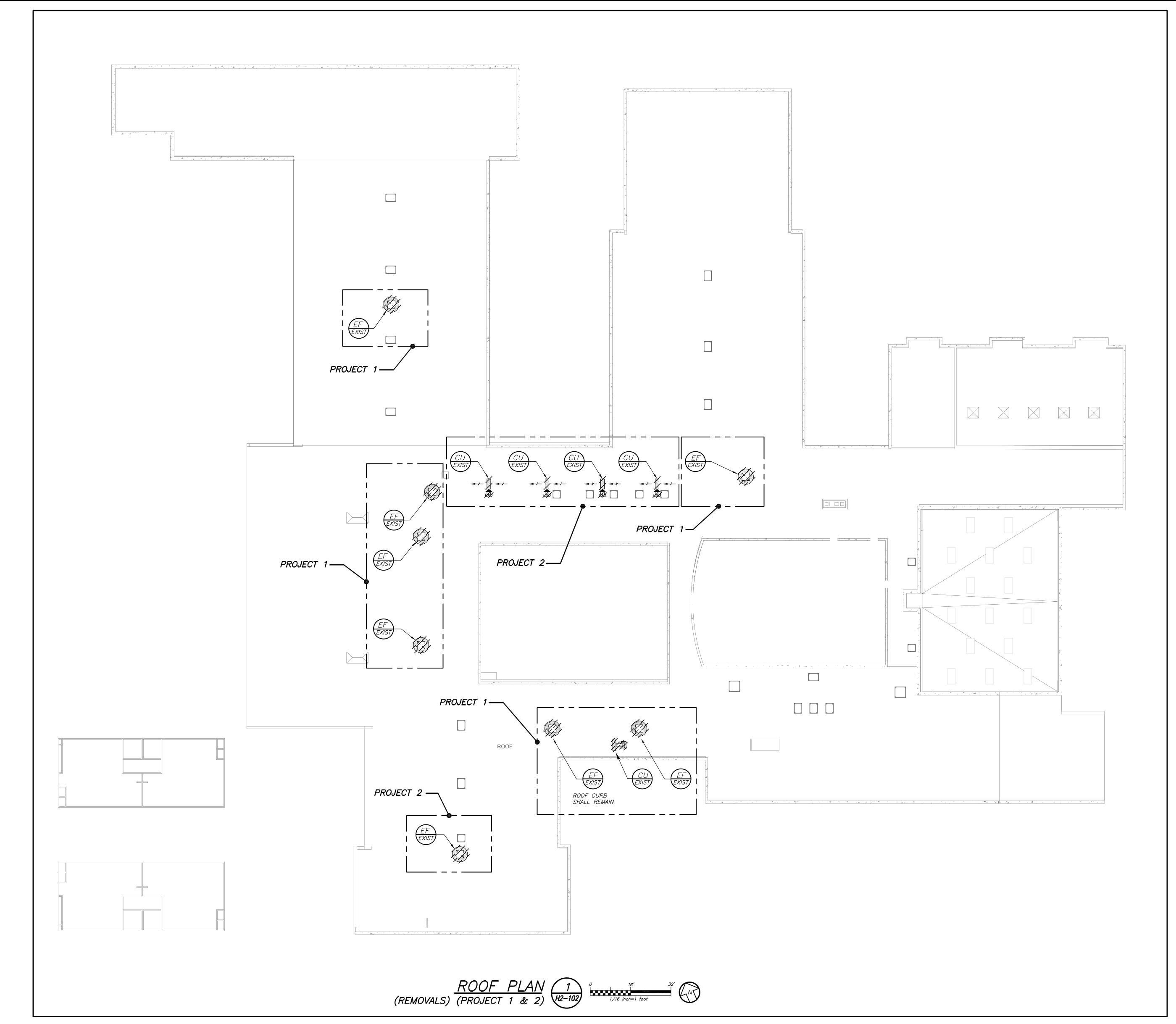
 SEAL & SIGNATURE
 DATE: 12/18/19

 PROJECT No: 9200
 DRAWING BY: BGA

 CHK BY: BGA
 DWG No:

 H2-102

OF ALL OTHER CONTRACTORS



Revision Schedule

Description Date

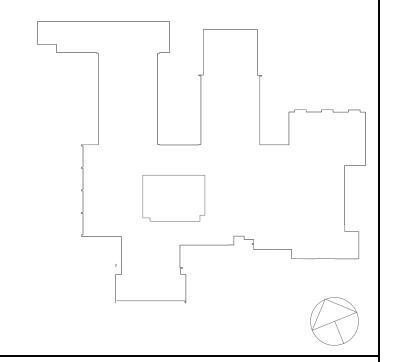
SED Submission 09/15/2020

SED Submission 01/08/2021

Addendum#1

01/19/2021

ISSUED FOR BID



Geddis Architects

Architecture. Planning. Interiors

71 Old Post Road P.O. Box 1020 Southport, CT 06890 (203) 256-8700



Transforming Education by Design

259 Water Street Suite 1L Warren , RI 02885 USA +1 401-289-2789



CONSULTING ENGINEERS
39 MARBLE AVE PLEASANTVILLE, NY 10570
914.328.6060 GENERAL@BGA-ENG.com www.BGA-ENG.com

Construction Manager SAVIN ENGINEERS, P.C. 3 Campus Drive Pleasantville, NY 10570 914-769-3200

Structural Engineer
ODEH ENGINEERS
1223 Mineral Spring Ave
North Providence, RI 02904
401-724-1771

Civil Engineer WESTON & SAMPSON 1 Winners Circle, Suite 130 Albany, NY 12205 518-463-4400

Acoustic Consultant
DP DESIGN
12 Cold Spring Street
Providence, RI
401-861-3218

AV Consultant CAVANAUGH TOCCI 327 F Boston Post Road Sudbury, MA 01776-3027 978-443-7871

SED#: 6618-0001-0001-023

PROJECT

Rye City Schools
555 Theodore Fremd Ave, Suite B-101

Osborn Elementary School

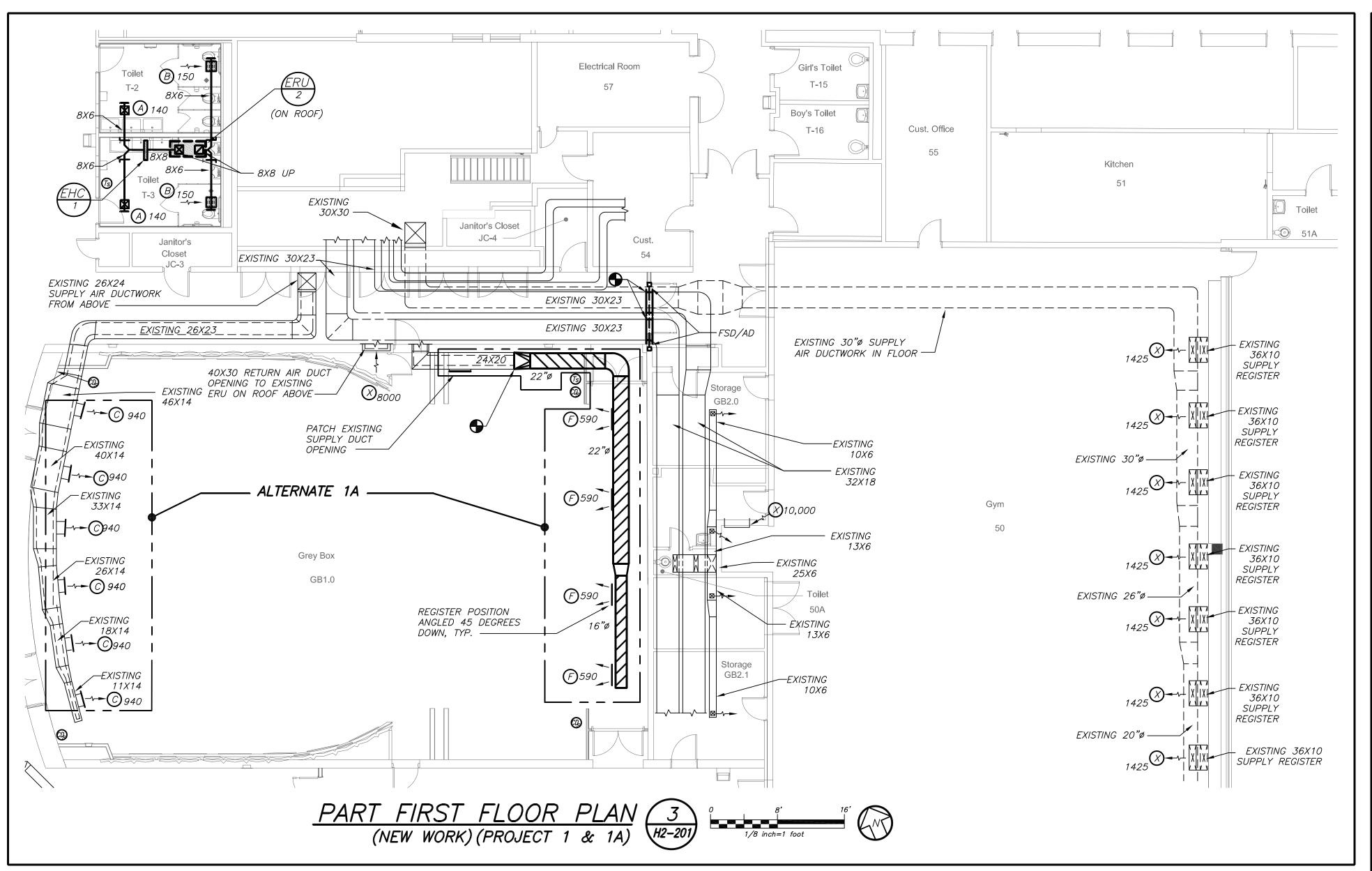
10 Osborn Road, Rye NY 10580

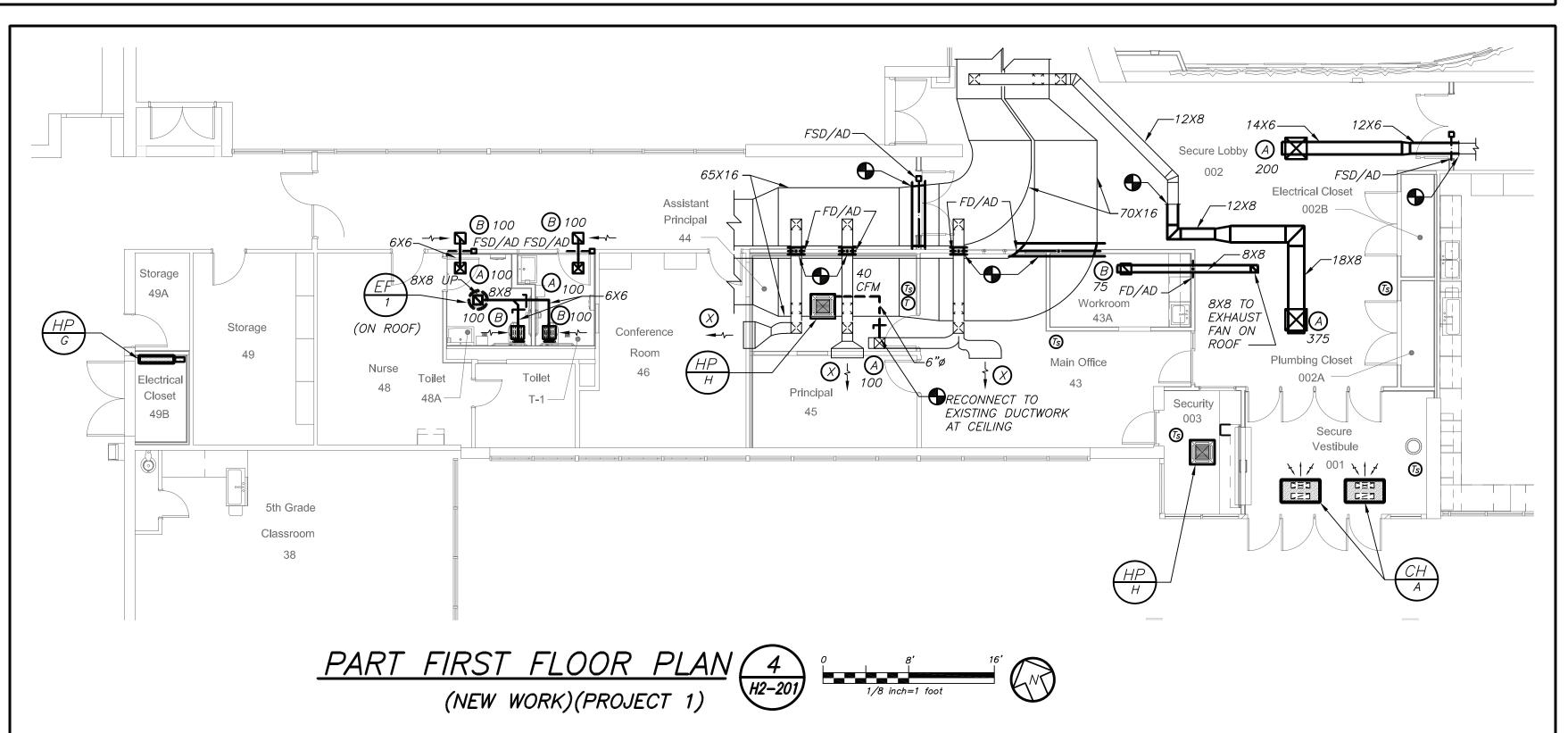
ROOF PLAN

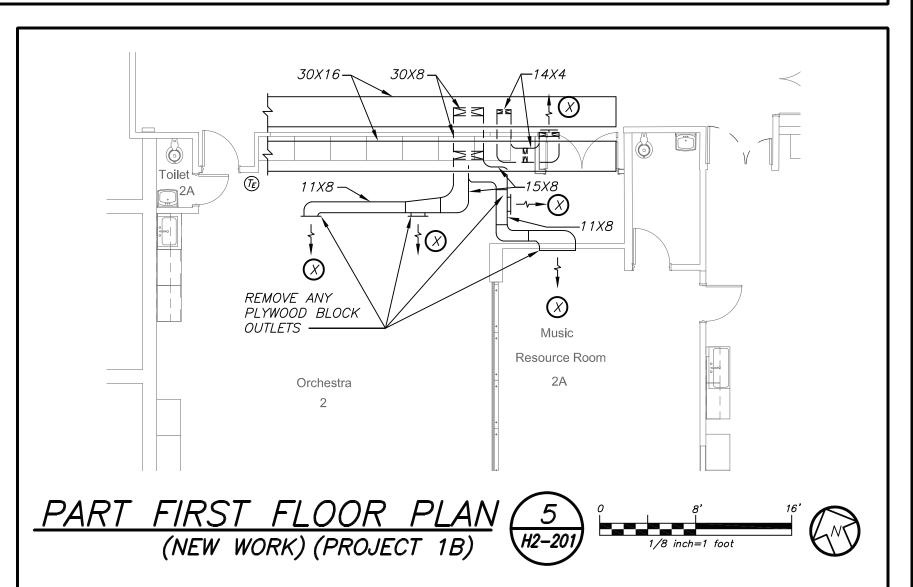
PROJECT 1 & 2

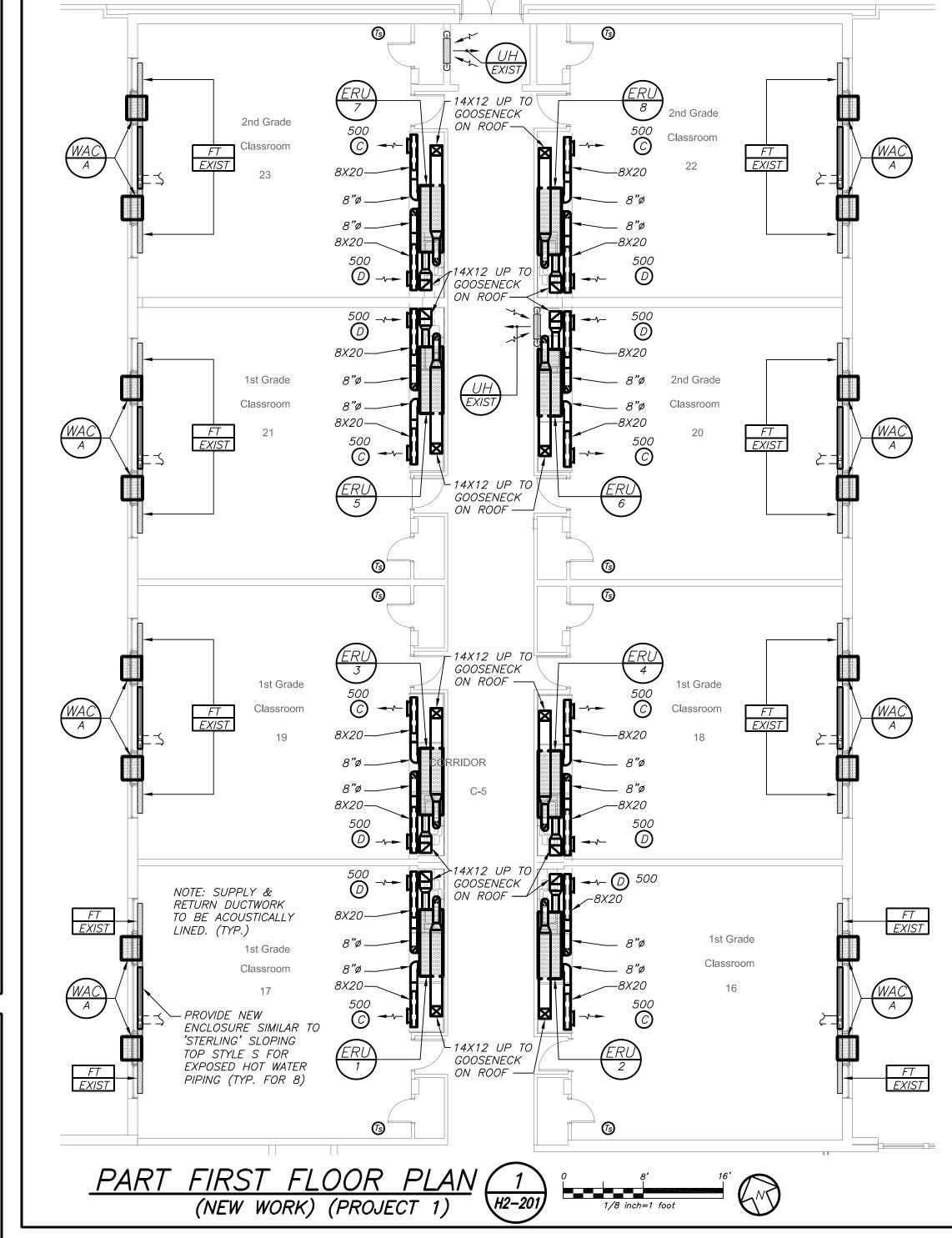
SEAL & SIGNATURE

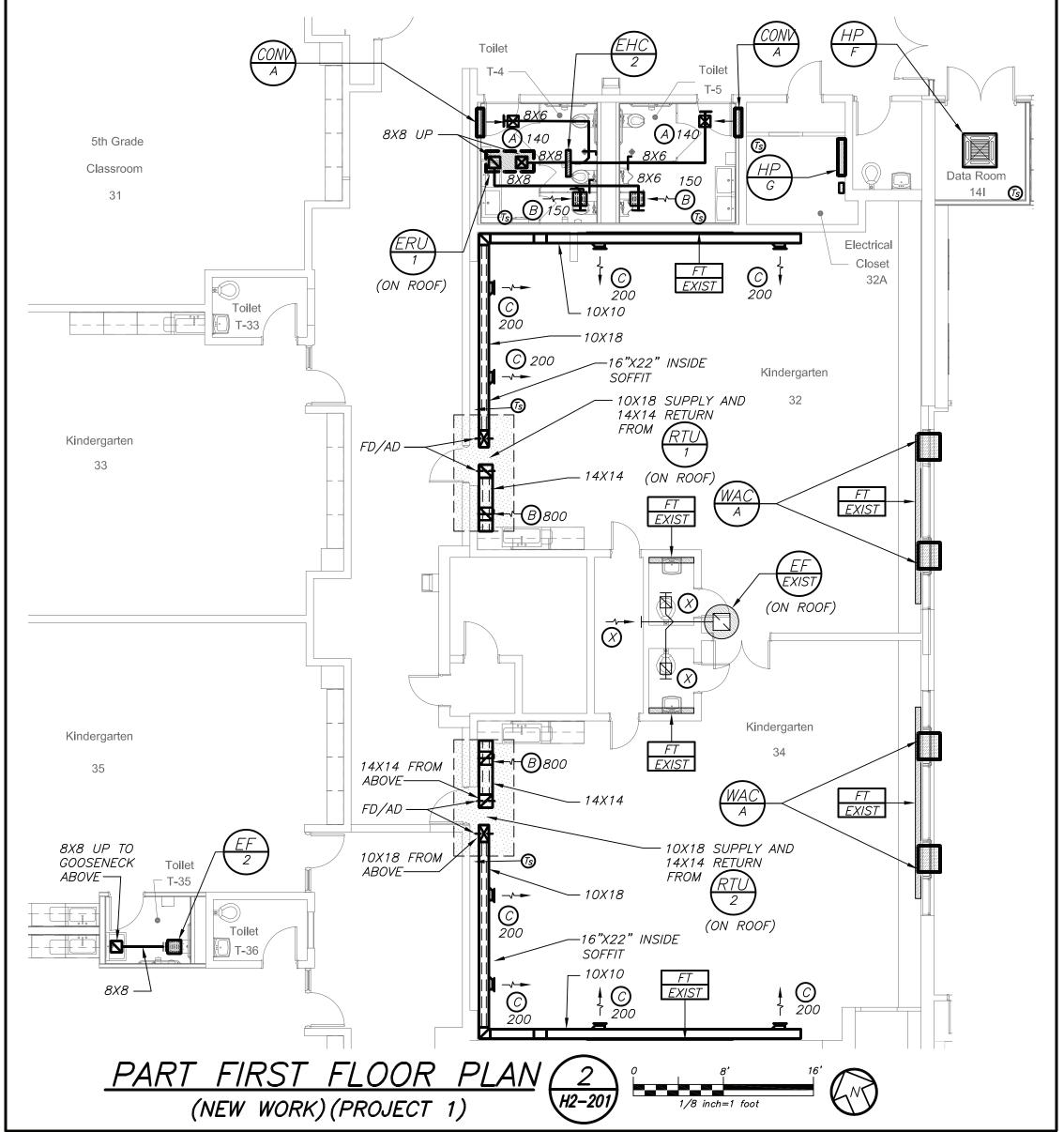
DATE: 12/18/19
PROJECT No: 9200
DRAWING BY: BGA
CHK BY: BGA
DWG No:
H2-103

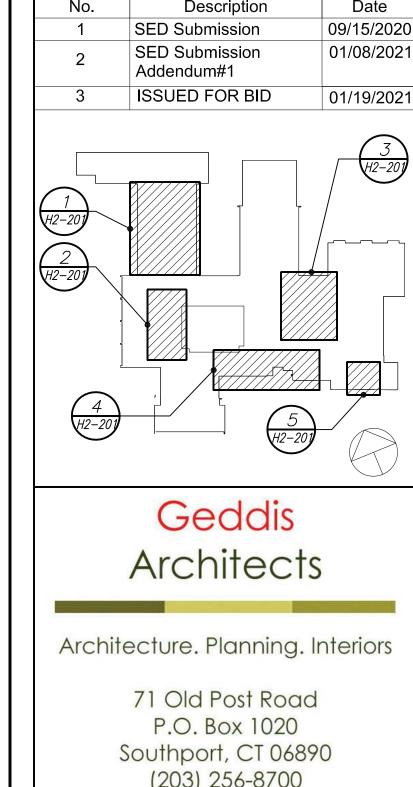












Revision Schedule

(203) 256-8700



Transforming Education by Design

259 Water Street Suite 1L Warren, RI 02885 USA +1 401-289-2789



CONSULTING ENGINEERS 39 MARBLE AVE PLEASANTVILLE, NY 10570 914.328.6060 GENERAL@BGA-ENG.com www.BGA-ENG.com

> Construction Manager SAVIN ENGINEERS, P.C. 3 Campus Drive Pleasantville, NY 10570 914-769-3200

Structural Engineer
ODEH ENGINEERS
1223 Mineral Spring Ave
North Providence, RI 02904
401-724-1771

Civil Engineer
WESTON & SAMPSON
1 Winners Circle, Suite 130
Albany, NY 12205
518-463-4400

Acoustic Consultant
DP DESIGN
12 Cold Spring Street
Providence, RI
401-861-3218

AV Consultant CAVANAUGH TOCCI 327 F Boston Post Road Sudbury, MA 01776-3027 978-443-7871

SED#: 6618-0001-0001-023

PROJECT

Rye City Schools 555 Theodore Fremd Ave, Suite B-101

Osborn Elementary School

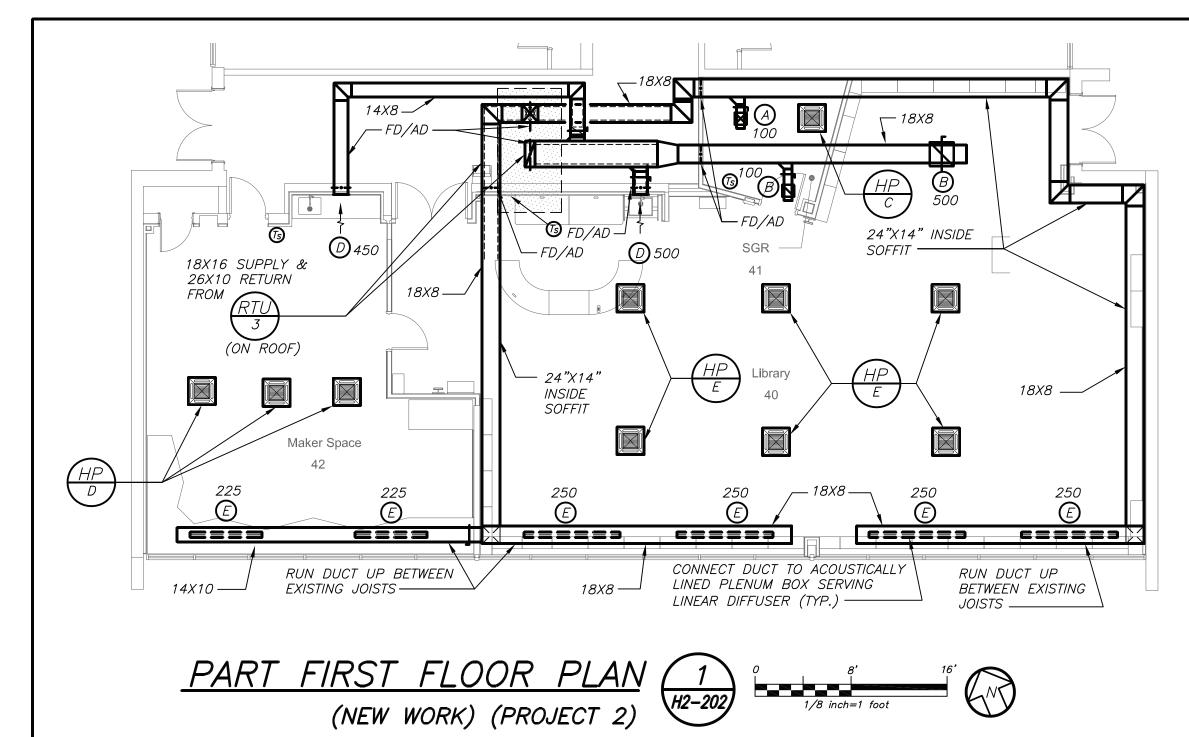
10 Osborn Road, Rye NY 10580

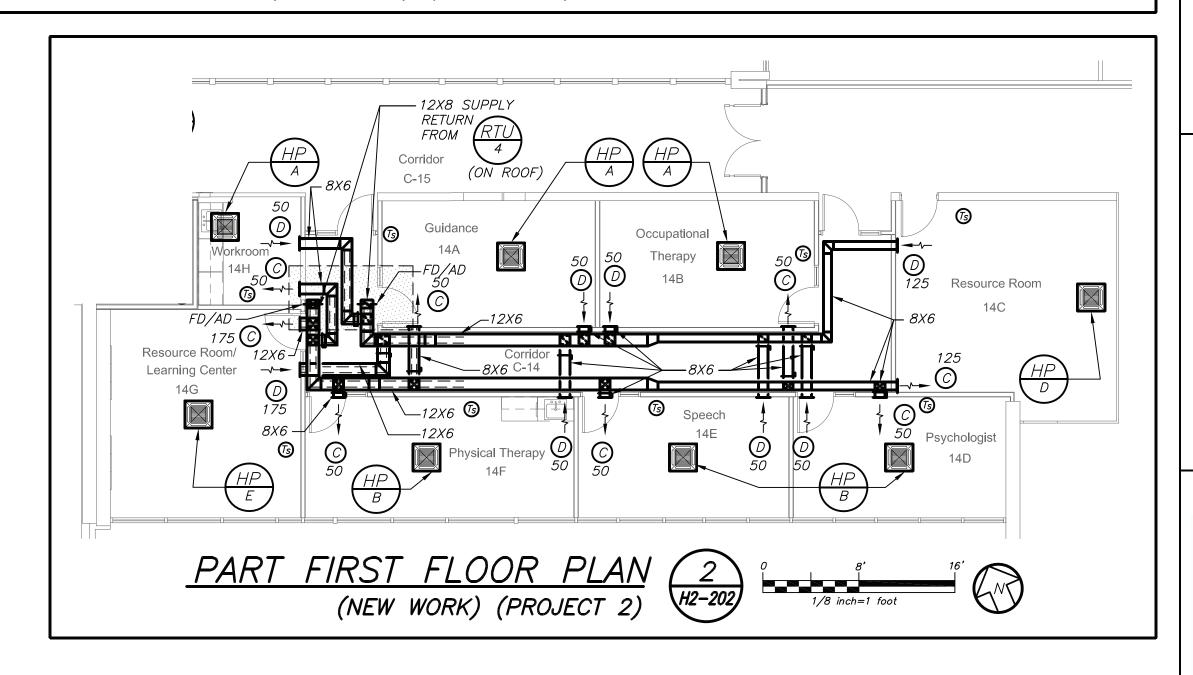
PART FIRST FLOOR **DUCTWORK PLANS**

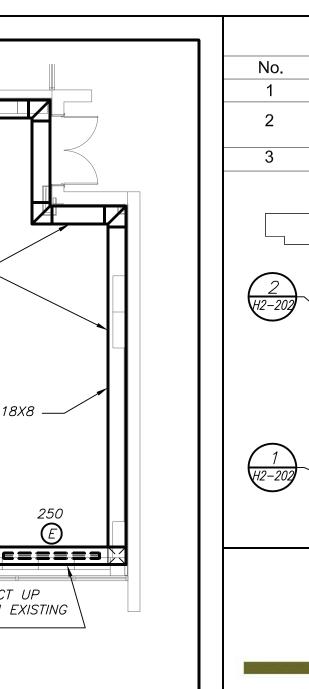
PROJECT 1, 1A, & 1B

SEAL & SIGNATURE | DATE: 12/18/19 PROJECT No: 9200 DRAWING BY: BGA DWG No: H2-201

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS







Geddis **Architects**

Revision Schedule

SED Submission

SED Submission Addendum#1

ISSUED FOR BID

09/15/2020

01/08/2021

01/19/2021

Architecture. Planning. Interiors

71 Old Post Road P.O. Box 1020 Southport, CT 06890 (203) 256-8700



Transforming Education by Design

259 Water Street Suite 1L Warren , RI 02885 USA +1 401-289-2789



CONSULTING ENGINEERS 39 MARBLE AVE PLEASANTVILLE, NY 10570 914.328.6060 GENERAL@BGA-ENG.com www.BGA-ENG.com

> Construction Manager SAVIN ENGINEERS, P.C. 3 Campus Drive Pleasantville, NY 10570 914-769-3200

Structural Engineer
ODEH ENGINEERS 1223 Mineral Spring Ave North Providence, RI 02904 401-724-1771

<u>Civil Engineer</u> WESTON & SAMPSON 1 Winners Circle, Suite 130 Albany, NY 12205 518-463-4400

Acoustic Consultant DP DESIGN 12 Cold Spring Street Providence, RI 401-861-3218

AV Consultant
CAVANAUGH TOCCI 327 F Boston Post Road Sudbury, MA 01776-3027 978-443-7871

SED#: 6618-0001-0001-023

PROJECT

Rye City Schools 555 Theodore Fremd Ave, Suite B-101

Osborn Elementary School

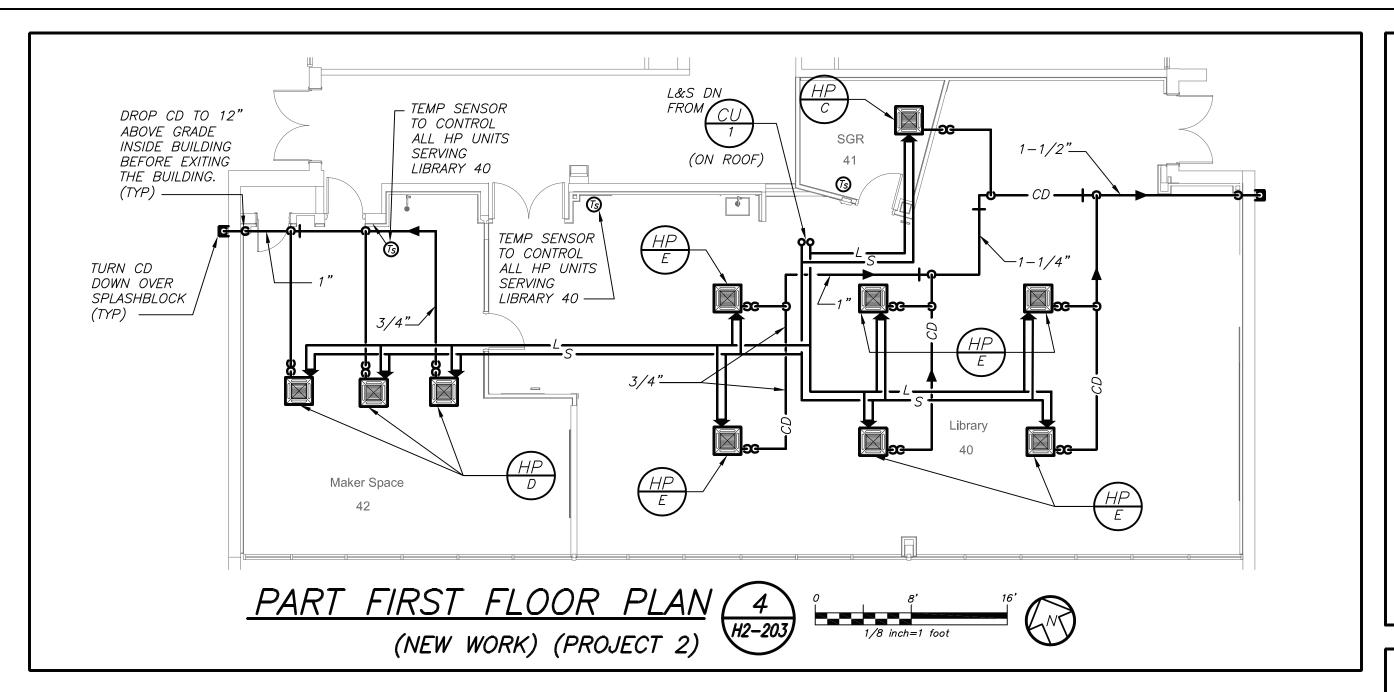
10 Osborn Road, Rye NY 10580

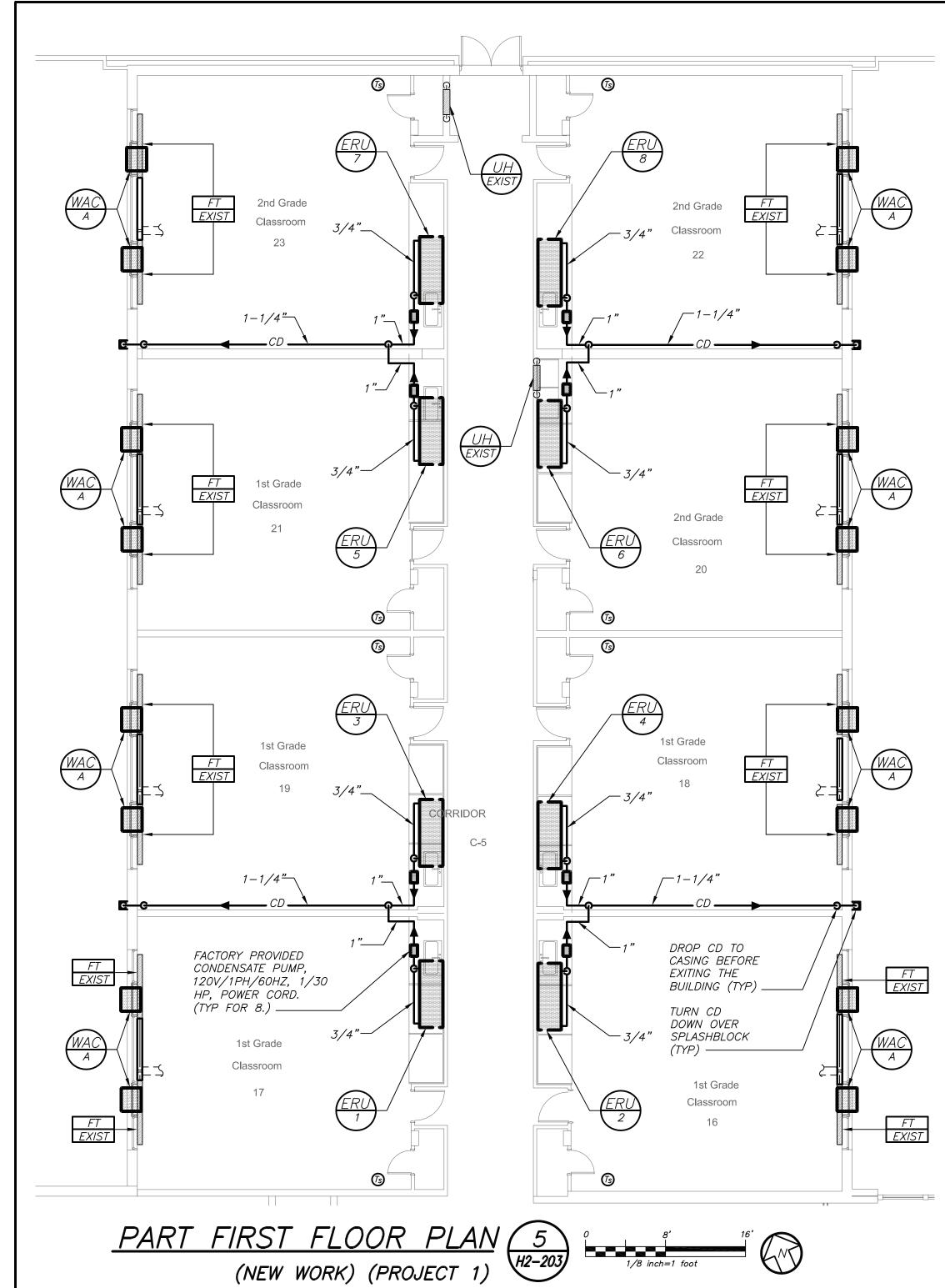
PART FIRST FLOOR **DUCTWORK PLANS**

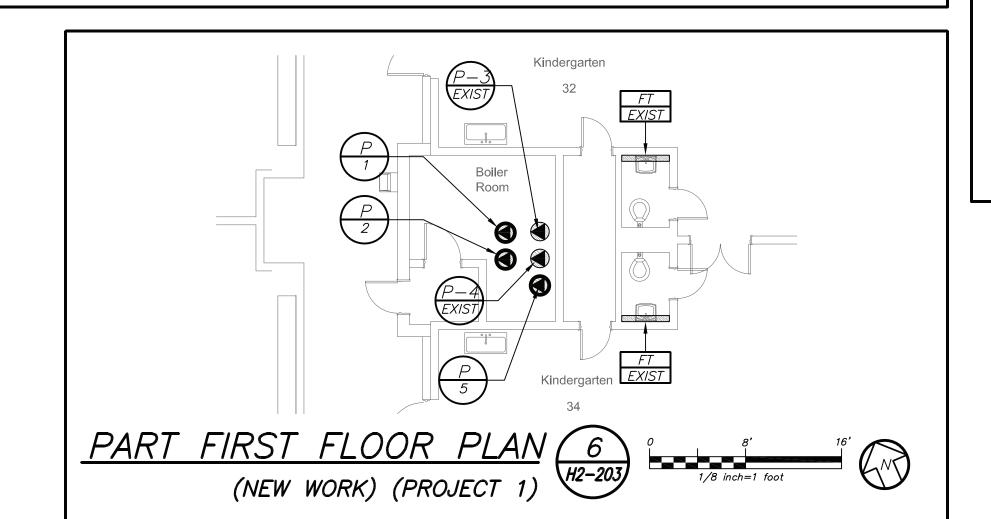
PROJECT 2

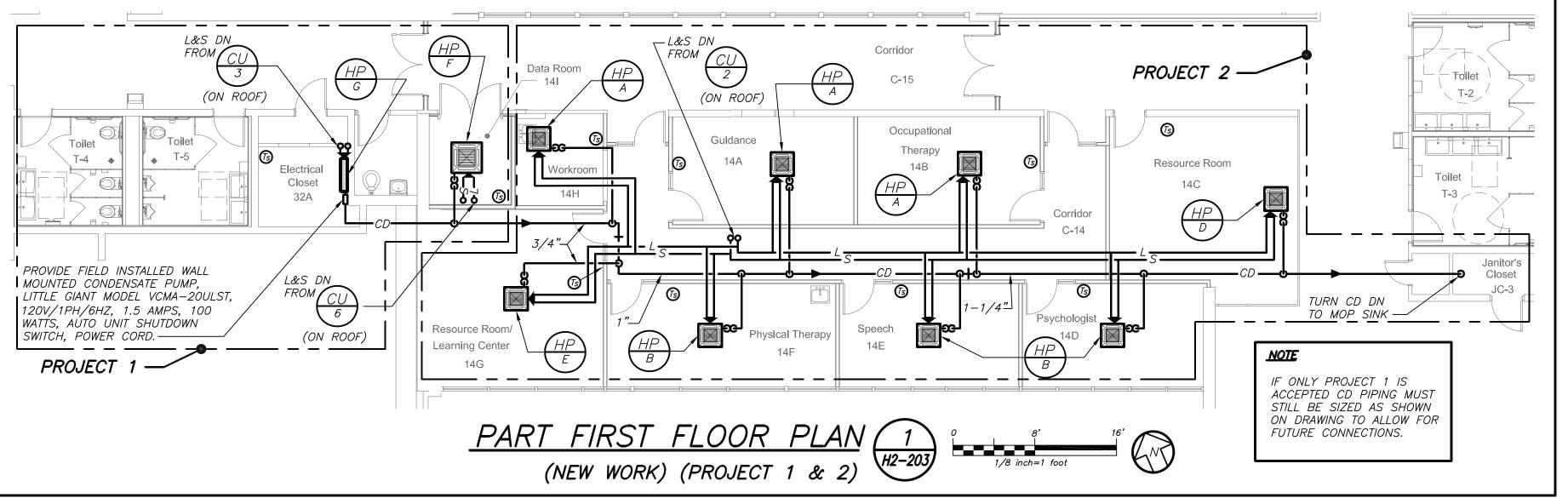
SEAL & SIGNATURE DATE: 12/18/19 PROJECT No: 9200 DRAWING BY: BGA CHK BY: DWG No: H2-202

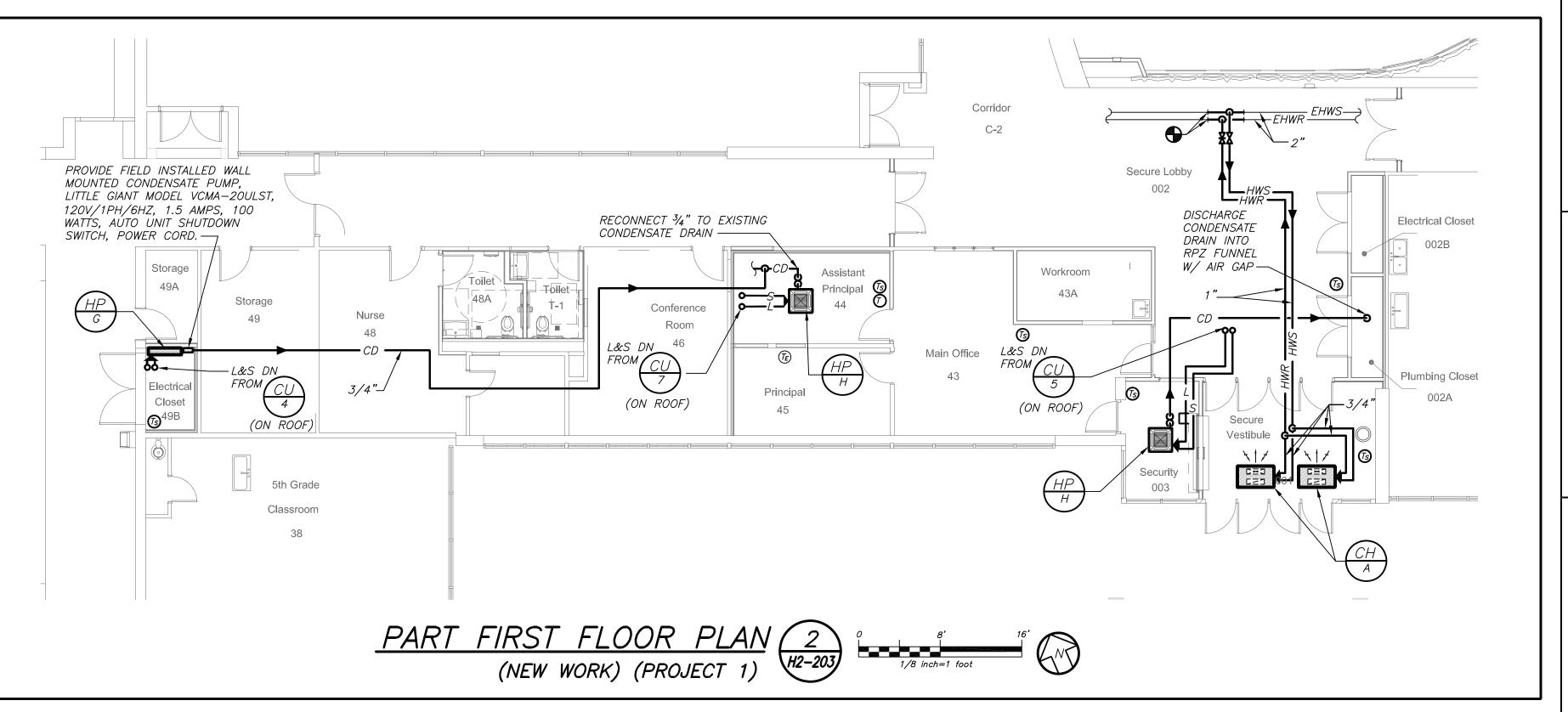
OF ALL OTHER CONTRACTORS

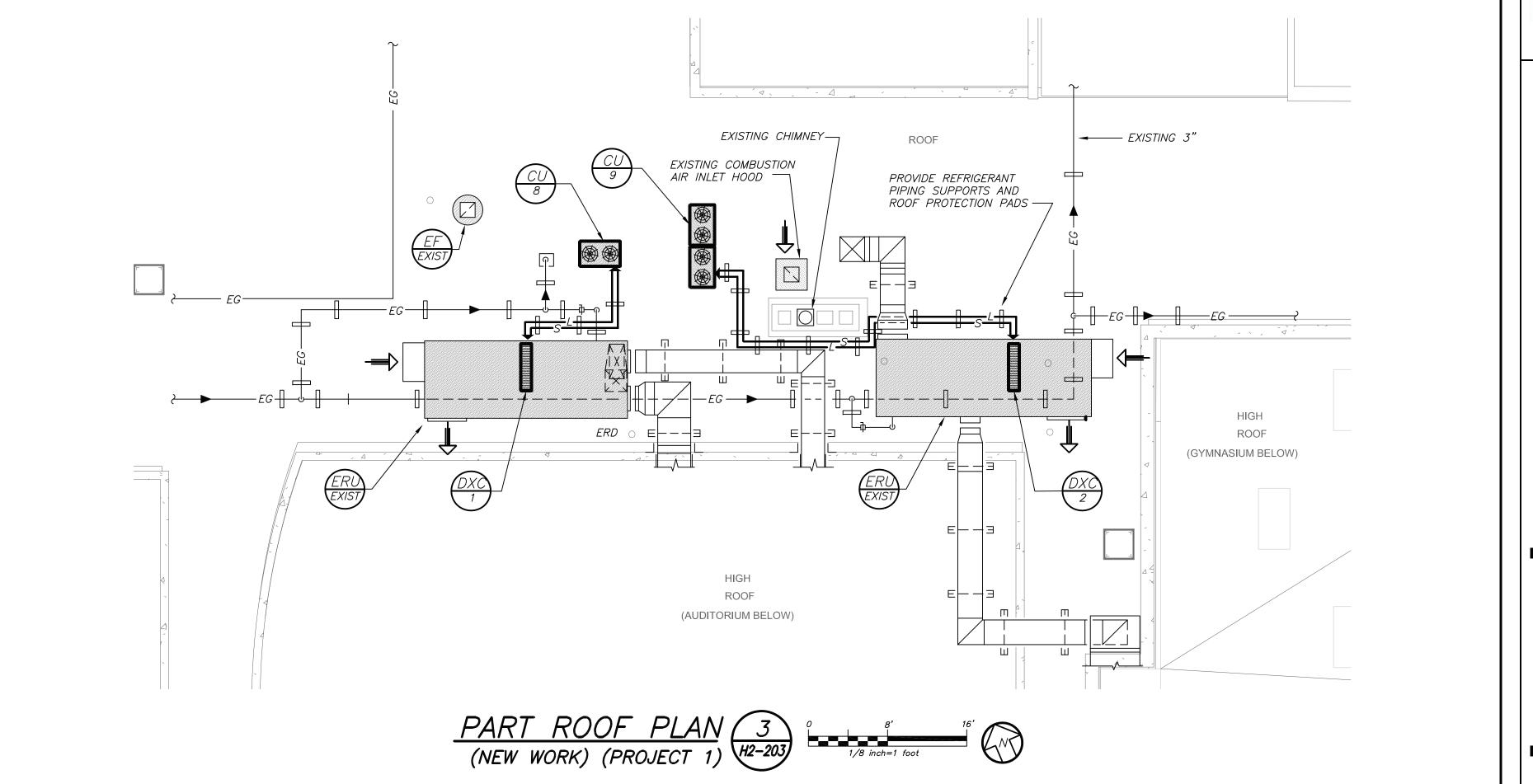






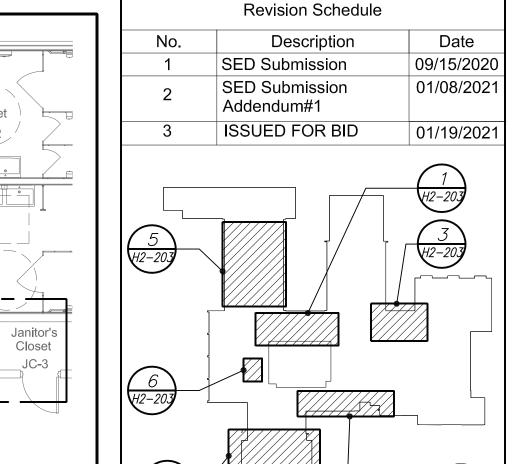






GENERAL NOTES

1) ALL CONDENSATE PIPING REQUIRED TO RUN BELOW CEILING TO BE COVERED BY FINISHED SHEET METAL ENCLOSURE SIMILAR TO "STERLING" MODEL PCV OR PCH. FINISH PER ARCHITECT.



Geddis Architects

Architecture. Planning. Interiors

71 Old Post Road P.O. Box 1020 Southport, CT 06890 (203) 256-8700



Transforming Education by Design

259 Water Street Suite 1L Warren , RI 02885 USA +1 401-289-2789



CONSULTING ENGINEERS

39 MARBLE AVE PLEASANTVILLE, NY 10570

914.328.6060 GENERAL@BGA-ENG.com www.BGA-ENG.com

Construction Manager SAVIN ENGINEERS, P.C. 3 Campus Drive Pleasantville, NY 10570 914-769-3200

Structural Engineer
ODEH ENGINEERS
1223 Mineral Spring Ave
North Providence, RI 02904
401-724-1771

Civil Engineer WESTON & SAMPSON 1 Winners Circle, Suite 130 Albany, NY 12205 518-463-4400

Acoustic Consultant
DP DESIGN
12 Cold Spring Street
Providence, RI
401-861-3218

AV Consultant CAVANAUGH TOCCI 327 F Boston Post Road Sudbury, MA 01776-3027 978-443-7871

SED#: 6618-0001-0001-023

PROJECT

Rye City Schools
555 Theodore Fremd Ave, Suite B-101

Osborn Elementary School

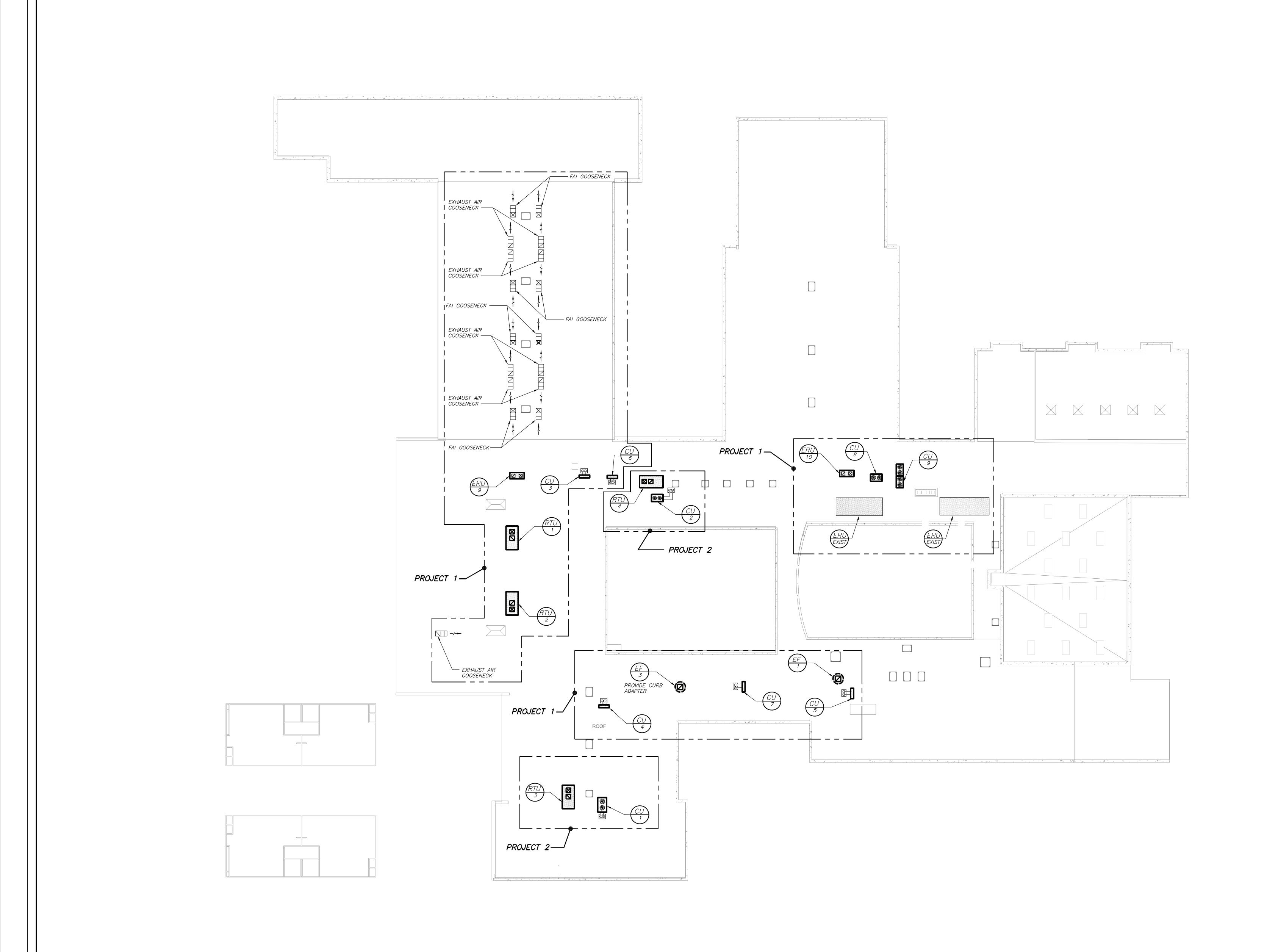
10 Osborn Road, Rye NY 10580

PART FIRST FLOOR AND ROOF PIPING PLANS

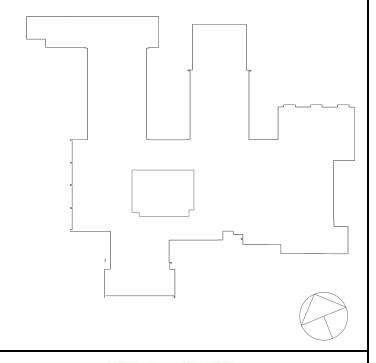
PROJECT 1 & 2

SEAL & SIGNATURE DATE: 12/18/19
PROJECT No: 9200
DRAWING BY: BGA

DRAWING BY: BGA
CHK BY: BGA
DWG No:
H2-203



Revision Schedule Description 09/15/2020 SED Submission 01/08/2021 SED Submission Addendum#1 ISSUED FOR BID 01/19/2021



Geddis

Architects

Architecture. Planning. Interiors

71 Old Post Road P.O. Box 1020 Southport, CT 06890 (203) 256-8700



Transforming Education by Design

259 Water Street Suite 1L Warren , RI 02885 USA +1 401-289-2789



CONSULTING ENGINEERS 39 MARBLE AVE PLEASANTVILLE, NY 10570 914.328.6060 GENERAL@BGA-ENG.com www.BGA-ENG.com

> Construction Manager SAVIN ENGINEERS, P.C. 3 Campus Drive Pleasantville, NY 10570 914-769-3200

Structural Engineer
ODEH ENGINEERS 1223 Mineral Spring Ave North Providence, RI 02904 401-724-1771

<u>Civil Engineer</u> WESTON & SAMPSON 1 Winners Circle, Suite 130 Albany, NY 12205 518-463-4400

Acoustic Consultant DP DESIGN 12 Cold Spring Street Providence, RI 401-861-3218

AV Consultant
CAVANAUGH TOCCI 327 F Boston Post Road Sudbury, MA 01776-3027 978-443-7871

SED#: 6618-0001-0001-023

PROJECT

Rye City Schools 555 Theodore Fremd Ave, Suite B-101

Osborn Elementary School

10 Osborn Road, Rye NY 10580

ROOF PLAN

PROJECT 1 & 2

AL & SIGNATURE	DATE:	12/18/19
	PROJECT No:	9200
	PROJECT No: DRAWING BY:	BGA
	CHK BY:	BGA
	DWG No:	

H2-204

SCHEDULE OF GAS FIRED ROOFTOP UNITS RETURN FAN DATA COMPRESSOR DATA ENERGY RECOVERY SUPPLY FAN DATA GENERAL DATA COOLING DATA ELECTRICAL DATA FILTER DATA PHYSICAL DATA GAS HEATING DATA REMARKS ONNAGE | MOTOR QT D.B. / W.B. 245 63/54 110/100 23,800 70/57 38,400 81/76 ENTHALPY WHEEL 78x64x48 208/3/60 KINDERGARTEN 13-5T-DOAS-ERV 75,000 63/54 110/100 70/57 78x64x48 KINDERGARTEN 38,400 23,800 81/76 ENTHALPY WHEEL 208/3/60 13-5T-DOAS-ERV 110/100 43,500 81/76 70/62 ENTHALPY WHEEL 134x81x6 72,900 15-7.5T-DOAS-ERV 65/55 110/100 70/57 78x64x48 19,200 81/76 11-5T-DOAS-ERV

(1) AS MANUFACTURED BY "CAPTIVAIRE".

2 INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

3 BASED ON A.R.I. CERTIFIED COIL SELECTIONS; REFRIGERANT R-410A,

4 PACKAGED UNIT WITH INTEGRAL FURNACE, CONDENSING AND ENERGY RECOVERY WHEEL SECTION. PROVIDE UNIT WITH V.F.D., HOT GAS BYPASS, STATIC PRESSURE CONTROLLER, VIBRATION ISOLATORS, DIFFERENTIAL ENTHALPY ECONOMIZER CONTROLS, POWERED CONVENIENCE OUTLET, LOW AMBIENT CONTROL AND NON-FUSED DISCONNECT SWITCH.

(5) PROVIDE 14" HIGH ROOF CURB.

	SCHEDULE OF PUMPS											
MARK	SERVICE	LOCATION	MODEL Nº ①	GPM	HEAD FT.H₂O	RPM	MOTOR HP	ELECTRIC SERVICE	REMARKS			
P	EAST BUILDING	BOILER ROOM	E-90	55	65	3450	2	208/3/60	REFER TO 23			
<u>P</u>	EAST BUILDING		E-90	55	65	3450	2	208/3/60				
<u>P</u> 5	CLASSROOM 34	V	E-60	35	25	1750	3/4	208/3/60				

AS MANUFACTURED BY "BELL AND GOSSETT".

INSTALL PUMPS PER MANUFACTURER'S RECOMMENDATIONS. PUMPS SHALL BE VARIABLE SPEED (SEE SPEC.)

	SC	HEDUL	E C	F	CA	B/Λ	IET	HEA	TERS	
MARK	TYPE UNIT	MODEL Nº ①	CAP. BTU/HR	ACITY L CFM	DATA GPM	PD.FT.	MOTOR WATTS	MOTOR RPM	ELECTRIC SERVICE	REMARKS
CH A	CEILING MTD.	RC 1170 03	20.6	335	2.0	0.25	1/15	1050	120/1/60	REFER TO 2 3 4 5 6

N (1) AS MANUFACTURED BY "STERLING".

2) INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

= \bigcirc CAPACITIES BASED ON LOW SPEED FAN SETTING, AND 160° F A.W.T.

PROVIDE 2 ROW COIL, THROWAWAY FILTERS, INTEGRAL SPEED CONTROL, DISCONNECT SWITCH, REMOTE WALL SENSOR CONNECTED TO BMS, GASKET AND PERMA LAP FRAME. COORDINATE FINISH AND COLOR

(5) UNIT DIMENSIONS 36"x25"x9.5", WEIGHT 150 LBS.

6 PROVIDE WITH HOT WATER RETURN AQUASTAT. AQUASTAT SHALL NOT ALLOW FAN TO OPERATE AT WATER TEMPERATURE BELOW 110 DEGREES F.

	S	CHEDU	JLE	OF	WIN	DOW	A.C. UN	ITS
MARK	MODEL Nº ①	TOTAL CAP. BTU/HR	SUPPLY CFM	E.E.R.	C.E.E.R.	ELECTRIC SERVICE	PHYSICAL DATA DIMENSION/WEIGHT (L"XW"XH")/(LBS)	REMARKS
WAC A	WCT16A30A	15,400	300	9.4	9.3	208/1/60	28x24x18/120	REFER TO 2345

N (1) AS MANUFACTURED BY "FRIEDRICH A.C. CO."

 $\stackrel{O}{=} \stackrel{\circ}{=}$ install per manufacturer's recommendations.

F (3) PROVIDE WSE WALL SLEEVE AND INTERNAL DRAIN KIT.

5 (4) UNIT TO BE FURNISHED WITH ALL STANDARD COMPONENTS AND ALL REQUIRED SUPPORT/MOUNTING BRACKETS. 5 UNIT PROVIDED WITH MIN. 6'-0" CORD & RIGHT ANGLE PLUG.

												SCHE	DULE C	PF ENER	RGY F	RECOV	ERY UN	IITS									
		GE	ENERAL DATA		SU	<i>JPPLY</i>	FAN	RE	TURN F	AN		HEATI	NG DATA	4		COC	LING DATA	4	СОМРІ	RESSOR DATA	FILTER DATA	PHYS	ICAL DATA	ELI	ECTRICA	AL DATA	DEMARKS
	MARK	SERVICE	MODEL NUMBER	OAI CFM	CFM	EXT. S. IN H ₂ (.P. FAN O TYPE	CFM	EXT. S.F IN H ₂ O	P. FAN TYPE	TOTAL CAP BTU/HR	P. SENSIBLE CAF BTU/HR	P. ENT. AIR TEMP D.B. / W.B.	P. LVG. AIR TEMP. D.B. / W.B.	TOTAL CAP. BTU/HR	SENSIBLE (BTU/HR	AP. ENT. AIR TEMI D.B. / W.B.	P. LVG. AIR TEMP D.B. / W.B.	TONNAG	E MOTOR QTY	TYPE	WEIGHT (LBS.)	LxWxH (IN.)	MCA	МОР	SERVICE	REMARKS
	ERU 1	1965 WING	AAH100G1ASTA	500	500	0.7	ECM	500	0.7	ECM	44,000	30,200	16/12	71/56	33,700	11,100	95/78	75/60	3	2	MERV 13	600	80x28x28	10.2	15	208/1/60	039
	ERU 2																										
	ERU 2 (ERU 4 (ERU 5) (ERU 6) (ERU 7)																										
	ERU 4																										
	ERU 5																										
	ERU 6																										
J	ERU 7																										
	FRU 8	V	•	•		V	V		V	•	•	V	•	•	 	•	, v	•	\	· ·		 	•	•	•	\	
	٥	OILET ROOMS T-4/T-5	HE1XRT	280	280	0.5	CENTR.	300	0.5	CENTR.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	•	400	60x35x45	10.8	15	208/1/60	236
	ERU TO	OILET ROOMS T-2/T-3	HE1XRT	280	280	0.5	CENTR.	300	0.5	CENTR.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		400	60x35x45	10.8	15	208/1/60	23 6

igwedge N (1) as manufactured by "united cool air".

T 2 AS MANUFACTURED BY "RENEWAIRE".

E 3 INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

4) BASED ON A.R.I. CERTIFIED COIL SELECTIONS; REFRIGERANT R-410A, 5 PACKAGED INDOOR UNIT WITH INTEGRAL DX COIL, CONDENSING AND ENERGY RECOVERY SECTIONS. PROVIDE UNIT WITH VIBRATION ISOLATORS, DIFFERENTIAL ENTHALPY ECONOMIZER CONTROLS, EXTERNAL CONDENSATE PUMP, AND NON-FUSED DISCONNECT SWITCH. FIELD CONVERTIBLE ALTERNATE SUPPLY AND RETURN CONNECTIONS TO BE USED AS REQUIRED.

6 PROVIDE FACTORY MOUNTED INTEGRAL VFD FOR SUPPLY AND RETURN FANS WITH EC PREMIUM EFFICIENCY MOTORS. PROVIDE FROST CONTROL FOR ENERGY RECOVERY EXCHANGER. PROVIDE PRE-FILTER/FINAL FILTERS COMBINATION FOR OUTSIDE AIR INTAKES AND PRE-FILTER FOR RETURN AIR PRIOR TO HEAT EXCHANGER. PROVIDE FILTER REPLACEMENT AT PROJECT COMPLETION. INSTALL ERU WITH FULL ROOF CURB SUPPORT. PROVIDE CONVENIENCE OUTLET.

334

0.8

0.8

418

SCHEDULE OF VRF INDOOR UNITS												
	MODEL		SUPPL	Y FA	N DATA	TOTAL	DIM	ENSIC	DN/WL	EIGHT		
MARK	No. 1	CFM HIGH	MCA	МОР	ELECTRIC SERVICE	COOL/HEAT MBH	W (IN.)	D (IN.)	H (IN.)	LBS	REMARKS	
HP A	ARNU053TRD4	265	0.25	15	208/1/60	5.5/6.1	25	25	10	35	REFER TO 2345	
HP B	ARNU073TRD4	265				7.5/8.5	25	25	10	35		
HP C	ARNU093TRD4	283				9.6/10.9	25	25	12	40		
HP D	ARNU153TQD4	388				15.4/17.1	25	25	12	40		
HP E	ARNU183TQD4	396	V	•	•	19.1/21.5	25	25	12	40		
HP F	LCN248HV	742	N/A	N/A	N/A	24.2/27.3	38	38	12	55		
HP G	LSN243HEV2	919	N/A	N/A	N/A	22.0/26.0	40	9	14	40	•	
HP LCN128HV4 335 N/A N/A N/A 11.1/14.0 28 28 10 40 REFER TO 23456												
0 2	Q 2 INSTALL PER MANUFACTURER'S RECOMMENDATIONS.											

(3) BASED ON A.R.I. CERTIFIED COIL SELECTIONS; REFRIGERANT R-410A.

S 4 PROVIDE CHECK VALVE, ANTI SWEAT SLEEVE AND AUTO SHUTDOWN OVERFLOW SWITCH. 5 PROVIDE MOUNTING HARDWARE, VIBRATION ISOLATORS, DISCONNECT AND

6 UNIT POWERED THROUGH OUTDOOR UNIT.

HARDWIRED REMOTE WALL MOUNTED CONTROLLER/THERMOSTAT.

	\							
	S	CHEDULE	OF DIR	ECT EXP	PANSK	2N	COI	LS
. DA	TA			CAPAC	CITY			
)	QTY.	SERVICE	COOLING TOTAL (MBH)	COOLING SENS. (MBH)	CFM	ENT. AIR TEMP. DB/WB	SUCT. TEMP.*F	REMARKS
						7015		

		A	В	С	D	E	F	G	Н	1	
ROOM NAME/NUMBER	OCCUPANCY CATEGORY	ROOM AREA (SQ.FT.)	PEOPLE DENSITY (#P/1000 SQ.FT.) / # OF FIXTURES	PEOPLE OUTDOOR AIR FLOW RATE (CFM/PERSON)	AREA OUTDOOR AIR FLOW RATE IN BREATHING ZONE (CFM/SQ.FT.)	EXHAUST AIR FLOW RATE (CFM/SQ.FT.)	NUMBER OF PEOPLE (A×B)÷1000=#P	OUTDOOR AIR FLOW RATE WITHOUT ZONE EFFECTIVENESS FACTOR (F×C)+(A×D)=CFM	ZONE AIR DISTRIBUTION EFFECTIVENESS FACTOR	MINIMUM ROOM VENTILATION AIR FLOW RATE G÷H=CFM	MINIMUM EXHAUST AIR FLOW RATE A×E=CFM
Classroom/16	CLASSROOM (AGES 9+)	835	35	10	0.12	0	30	400	0.8	500	0
Classroom/17	CLASSROOM (AGES 9+)	835	35	10	0.12	0	30	400	0.8	500	0
Classroom/18	CLASSROOM (AGES 9+)	835	35	10	0.12	0	30	400	0.8	500	0
Classroom/19	CLASSROOM (AGES 9+)	835	35	10	0.12	0	30	400	0.8	500	0
Classroom/20	CLASSROOM (AGES 9+)	835	35	10	0.12	0	30	400	0.8	500	0
Classroom/21	CLASSROOM (AGES 9+)	835	35	10	0.12	0	30	400	0.8	500	0
Classroom/22	CLASSROOM (AGES 9+)	835	35	10	0.12	0	30	400	0.8	500	0
Classroom/23	CLASSROOM (AGES 9+)	835	35	10	0.12	0	30	400	0.8	500	0
Classroom/32	CLASSROOM (AGES 9+)	1300	35	10	0.12	0	46	616	0.8	770	0
Classroom/34	CLASSROOM (AGES 9+)	1300	35	10	0.12	0	46	616	0.8	770	0
Guidance/14A	OFFICE SPACE	200	5	5	0.06	0	1	17	0.8	21	0
Occupational Therapy/14B	OFFICE SPACE	200	5	5	0.06	0	1	17	0.8	21	0
Conference/Resource Room/14C	CONFERENCE/MEETING	325	50	5	0.06	0	17	105	0.8	131	0
Psychologist/14D	OFFICE SPACE	200	5	5	0.06	0	1	17	0.8	21	0
Speech/14E	OFFICE SPACE	200	5	5	0.06	0	1	17	0.8	21	0
Physical Therapy/14F	OFFICE SPACE	250	5	5	0.06	0	2	25	0.8	31	0
Learning Center/Resource Room/14G	CLASSROOM (AGES 5-8)	300	25	10	0.12	0	8	116	0.8	145	0
Workroom/14H	BREAK ROOMS	100	50	5	0.12	0	5	37	0.8	46	0
Secure Lobby/31	LOBBIES/PREFUNCTION	700	30	7.5	0.06	0	21	200	0.8	249	О
Workroom/43A	COPY, PRINTING ROOMS	100	0	0	0	0.5	0	0	0.8	0	50
Media Center	MEDIA CENTER	2000	25	10	0.12	0	50	740	0.8	925	0

0.12

0.12

SCHEDULE OF MINIMUM VENTILATION ROOM FLOW RATES

	MARK	BUILDING	MODEL No. 🛈	QTY.	SERVICE	COOLING TOTAL (MBH)	COOLING SENS. (MBH)	CFM	ENT. AIR TEMP. DB/WB	SUCT. TEMP.'F	REMARKS
	DXC 1	OSBORN ELEMENTARY	DX12C05S09	2	ERU GRAY BOX	120	85	4,000	79°F 67°F	52	REFER TO 2345
	OXC	OSBORN ELEMENTARY	DX12C08S10	2	ERU EXIST GYMNASIUM	180	125	5,000	77°F 65°F	49	REFER TO 2345
	NOTE	2) REFRIG	NUFACTURED B' ERANT R-410A. L ACCORDING T		NWIDE COILS". FACTURER'S INSTRUCTION	(5) RETROFI	ON A.R.I. CERTIFIED T EXISTING UNITS W OPERATION IN THE	ITH FULL ECO	NOMIZER (CONTROLS	S FOR
SCHEDULE OF EXHAUS	ST	FANS				SCHED	ULE OF	REGI	STE	 7 <i>S</i>	AND DIFF

		5	CHEL	JULE	OF	EX	HAUS	> I - F	ANS			
MARK	SERVICE	LOCATION	TYPE	MODEL No. ①	CFM	EXT. S.P. IN H ₂ O		HP (WATTS)	ELECTRIC SERVICE	SIZE	WEIGHT (LBS.)	REMARKS
EF 1	WORKROOM	ROOFTOP	CENTRIFUGAL	G-06-VG	<i>75</i>	0.35	1725	1/15	208/1/60	19 " ø	25	REFER TO
EF 2	TOILET T-35	CEILING	CABINET	SP-B150	100	0.35	1050	(128)	120/1/60	15"X14"	20	REFER TO 24
EF 3	TOILET T-1 & 48A	ROOFTOP	CENTRIFUGAL	G-095- DGEX-QD	200	0.125	1050	1/8	120/1/60	15"X14"	20	REFER TO 23
(1) AS MANUFACTU	JRED BY "GRI	EENHECK."									

2) INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

3 PROVIDE DISCONNECT SWITCH, BACKDRAFT DAMPER, VIBRATION ISOLATORS, SPEED CONTROL, AND NAMEPLATE IDENTIFYING FAN MARK, MODEL NO., CFM, RPM, HP, AND ELECTRICAL SERVICE.

4 PROVIDE DISCONNECT SWITCH, VIBRATION ISOLATORS, GOOSENECK, AND NAMEPLATE IDENTIFYING FAN MARK, MODEL NO., CFM, RPM, HP, AND ELECTRICAL SERVICE.

5 PROVIDE ROOF CURB.

SCHEDULE OF REGISTERS AND DIFFUSERS											
MARK	TYPE	SERVICE	MODEL No. 🛈	NOMINAL FACE SIZE	DIRECTION DISCHARGE	FINISH	REMARKS				
A	CEILING DIFFUSER	SUPPLY	SCD	VARIES/24X24	FOUR-WAY	PER ARCH.	REFER TO 23457				
B	CEILING RETURN REGISTER	RETURN/EXHAUST	735FF	VARIES	_	PER ARCH.	REFER TO 23458				
0	SIDE WALL REGISTER	SUPPLY	620	VARIES	DOUBLE DEFLECTION	PER ARCH.	REFER TO 23457				
D	SIDE WALL REGISTER	RETURN/EXHAUST	735FF	VARIES	-	PER ARCH.	REFER TO 23458				
E	LINEAR	SUPPLY	SDS-50 2-SLOT	VARIES	DOUBLE DEFLECTION	PER ARCH.	REFER TO 234567				
F	DUCT SUPPLY REGISTER	SUPPLY	SDG ST	VARIES	DOUBLE DEFLECTION	PER ARCH.	REFER TO 23457				
$\langle \chi \rangle$	EXISTING REGIS	STER/GRILLE									

N 1) AS MANUFACTURED BY "PRICE".

6 PROVIDE INSULATED PLENUM.

(2) INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

O 2 INSTALL PER MANUFACTURERS RECOMMENDATIONS.

3 PROVIDE MOUNTING FRAME COMPATIBLE WITH DAMPERS IN UN-ACCESSIBLE AREAS. (5) AIR OUTLET TO BE OF STEEL CONSTRUCTION.

SUPPLY NECK SIZE PER CFM RANGE (NOT TO EXCEED 700 fpm)

SUPPLY NECK SIZE PER CFM RANGE (NOT TO EXCEPT 675 fpm)

Classroom

Study Space

CLASSROOM (AGES 9+)

CLASSROOM (AGES 9+)

	SCHEDULE OF ELECTRIC DUCT HEATERS												
	BUILDING	SERVICE	LOCATION	CFM	MAX. FACE VELOCITY FPM				COIL DATA				
MARK							AIR			ELECTRIC		MODEL No.	REMARKS
						COIL SIZE L x H	EAT (°F)	LVG (°F)	MBH	CAPACITY (KW)	V/PH/HZ	7	
EHC 1	OSBORN ELEMENTARY	TOILET ROOMS T-2/T-3	CEILING	280	450	<i>9</i> X9	39	72	10.4	3.0	208/3/60	IDHB	REFER TO 23
EHC 2	OSBORN ELEMENTARY	TOILET ROOMS T-4/T-5	CEILING	280	450	<i>9X9</i>	39	72	10.4	3.0	208/3/60	IDHB	REFER TO 23
NOTES O AS MANUFACTURED BY "GREENHECK FAN". O PROVIDE SCR CONTROLS AND DUCTSTAT.													

SCHEDULE OF CONDENSING UNITS														
MARK	LOCATION	SERVICE	MODEL Nº ①	COOLING CAP. (MBH)	HEATING CAP. (MBH)	COMPRES. QTY	COND. QTY	EER	SEER	MCA	CTRICAL MOP	DATA ELECTRICAL SERVICE	PHYSICAL DATA DIMENSION/WEIGHT (L"XW"XH")/(LBS)	REMARKS
	ROOF	MEDIA CENTER	ARUM192DTE5	192	216	2	2	11.00	23.00	<i>35.7</i>	50	460/3/60	49x30x67/700	REFER TO 2345
<u>CU</u> 2		SUPPORT SUITE	ARUM096DTE5	96	108	1	2	14.40	33.00	16.4	25	460/3/60	49x30x67/550	REFER TO 2345
$\frac{CU}{3}$		ELEC 32A	LSU240HEV2	22	22		1	12.5	21.5	15	20	208/1/60	38x16x33/150	REFER TO 2346
CU 4		ELEC 49B	LSU240HEV2	22	22			12.5	21.5	15	20			REFER TO 2346
CU 5		SECURITY	LUU127HV	11.1	14			12.6	19.4	12.3	15			REFER TO 2346
(CU) 6		DATA DT.01	LUU249HV	24	27			12.5	21.5	20	30			REFER TO 2346
CU 7		ASSIST. PRINC. 44	LUU127HV	11.1	14	V		12.6	19.4	12.3	15			REFER TO 2346
CU 8		ERU GRAY BOX	ARUM241BTE5	240	240	2	2	10.4	-	63.2	80	208/3/60	49x30x67/675	REFER TO 2345
CU 9		ERU EXIST GYMNASIUM	ARUM360BTE5	360	400	4	4	10.2	_	51.1/ 60.3	70/ 80	208/3/60	98x30x67/1325	REFER TO 2345

N (1) AS MANUFACTURED BY "LG."

(2) INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

(3) REFRIGERANT USED SHALL BE R-410a.

6 MOUNT ON RAILS. PROVIDE VIBRATION ISOLATORS, EQUIPMENT SUPPORTS, DISCONNECT SWITCH, CONVENIENCE OUTLET, LOW AMBIENT CONTROLS AND PHASE PROTECTION. DC INVERTER COMPRESSOR SPEED CONTROL BASED ON SYSTEM LOAD. 6 MOUNT ON RAILS. PROVIDE VIBRATION ISOLATORS, EQUIPMENT SUPPORTS, CONVENIENCE OUTLET, LOW AMBIENT CONTROLS, AND DISCONNECT SWITCH.

DC INVERTER COMPRESSOR SPEED CONTROL BASED ON SYSTEM LOAD.

Revision Schedule

Description

09/15/2020

01/08/2021

01/19/2021

SED Submission

SED Submission Addendum#1

ISSUED FOR BID

Geddis Architects

Architecture. Planning. Interiors

71 Old Post Road P.O. Box 1020 Southport, CT 06890 (203) 256-8700



Transforming Education by Design

259 Water Street Suite 1L Warren, RI 02885 USA +1 401-289-2789



CONSULTING ENGINEERS 39 MARBLE AVE PLEASANTVILLE, NY 10570 914.328.6060 GENERAL@BGA-ENG.com www.BGA-ENG.com

> Construction Manager SAVIN ENGINEERS, P.C. 3 Campus Drive Pleasantville, NY 10570 914-769-3200

Structural Engineer
ODEH ENGINEERS 1223 Mineral Spring Ave North Providence, RI 02904 401-724-1771

<u>Civil Engineer</u> WESTON & SAMPSON 1 Winners Circle, Suite 130 Albany, NY 12205 518-463-4400

Acoustic Consultant DP DESIGN 12 Cold Spring Street Providence, RI 401-861-3218

AV Consultant CAVANAUGH TOCCI 327 F Boston Post Road Sudbury, MA 01776-3027 978-443-7871

SED#: 6618-0001-0001-023

PROJECT

Rye City Schools 555 Theodore Fremd Ave, Suite B-101

Osborn Elementary School

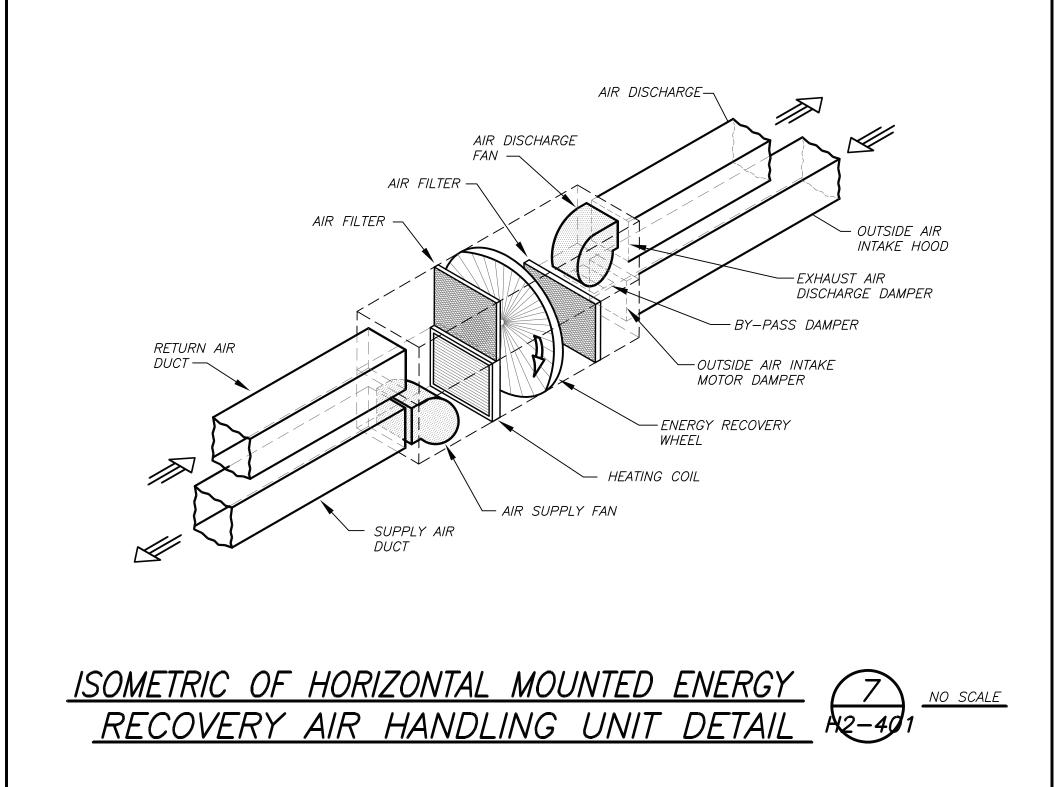
10 Osborn Road, Rye NY 10580

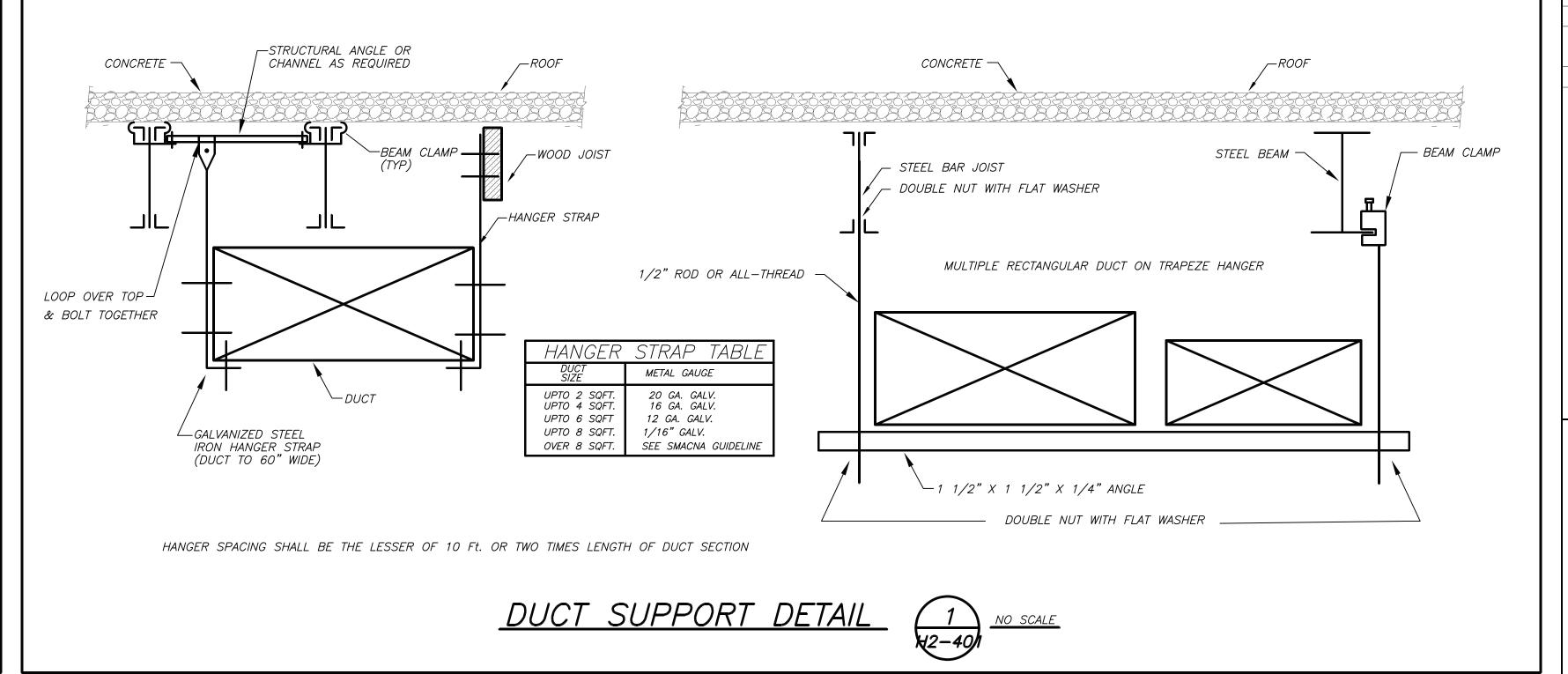
SCHEDULES

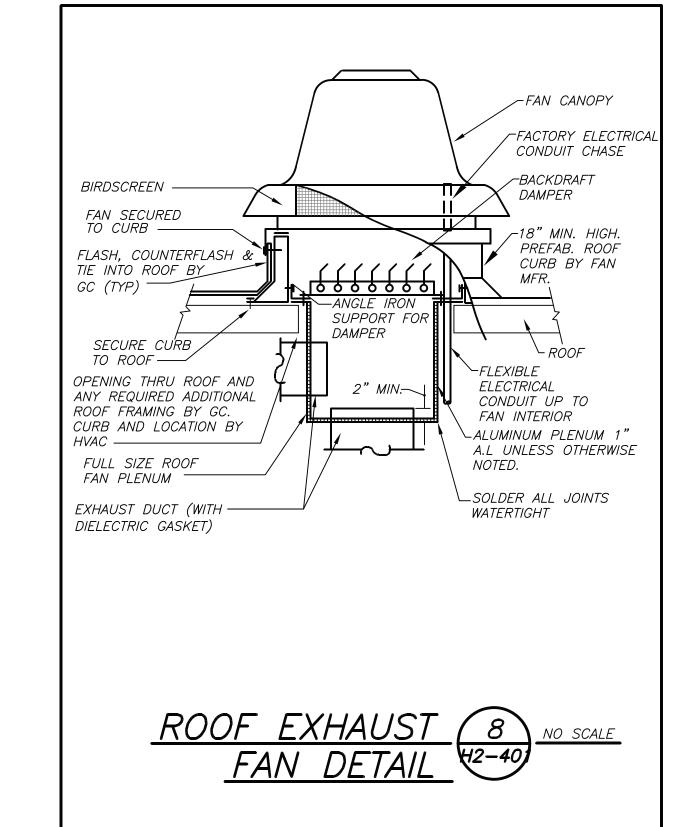
SEAL & SIGNATURE | DATE: PROJECT No: 9200 DRAWING BY: BGA CHK BY:

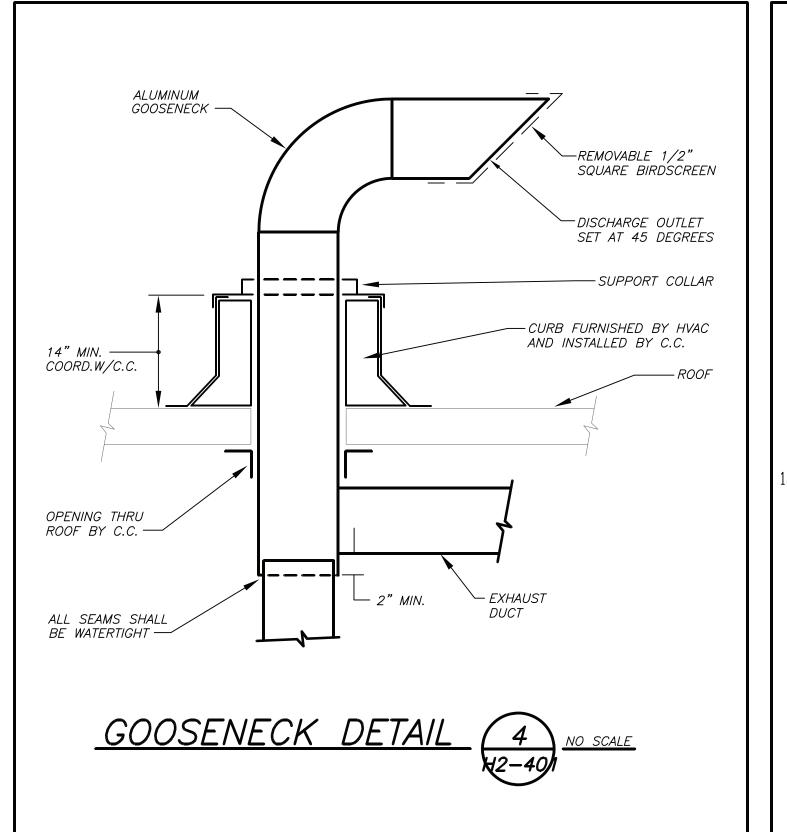
DWG No:

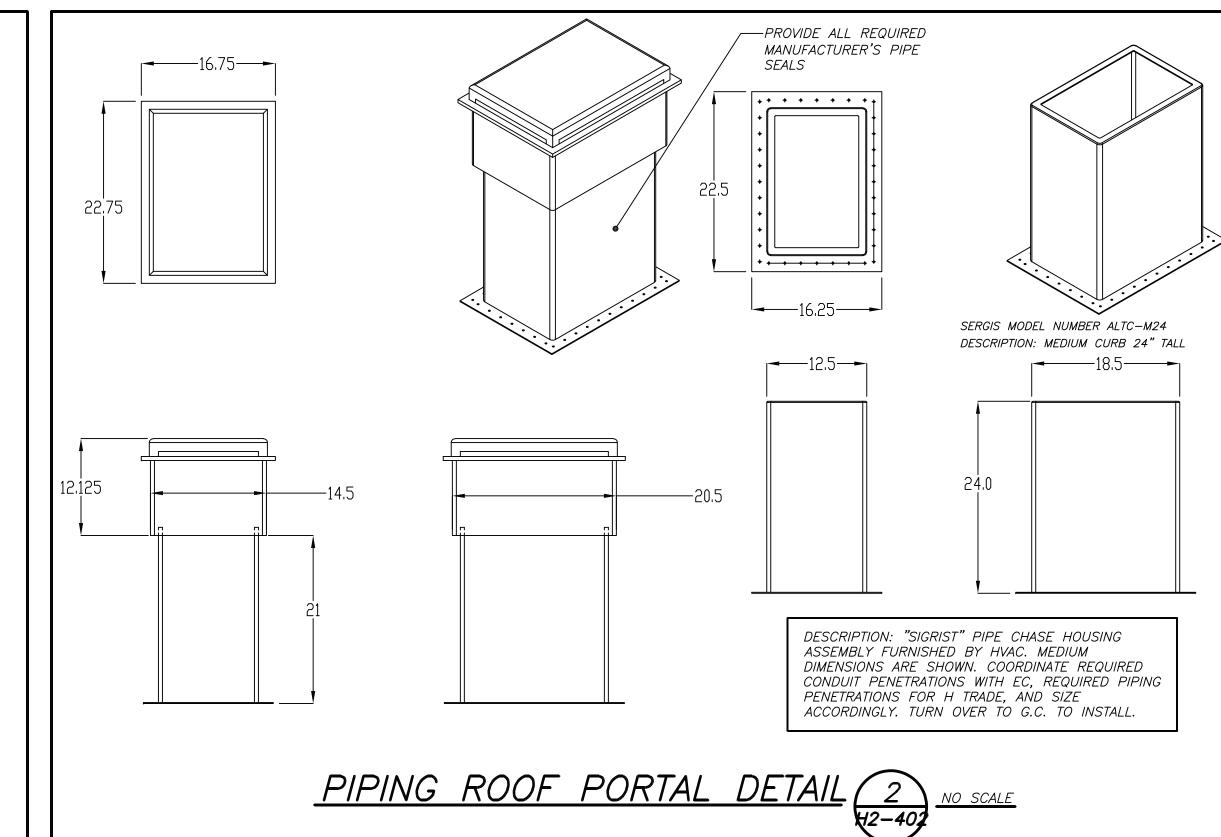
BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS



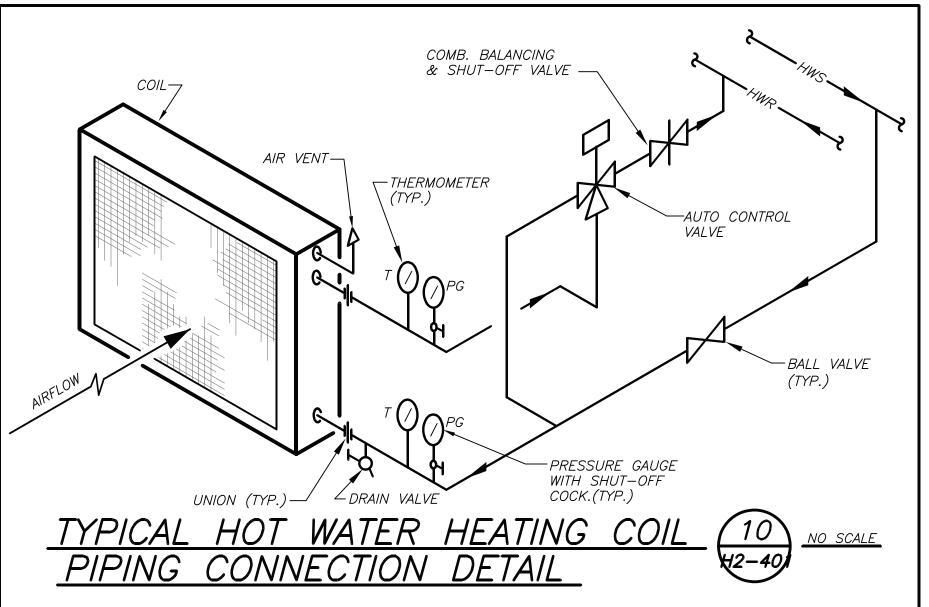


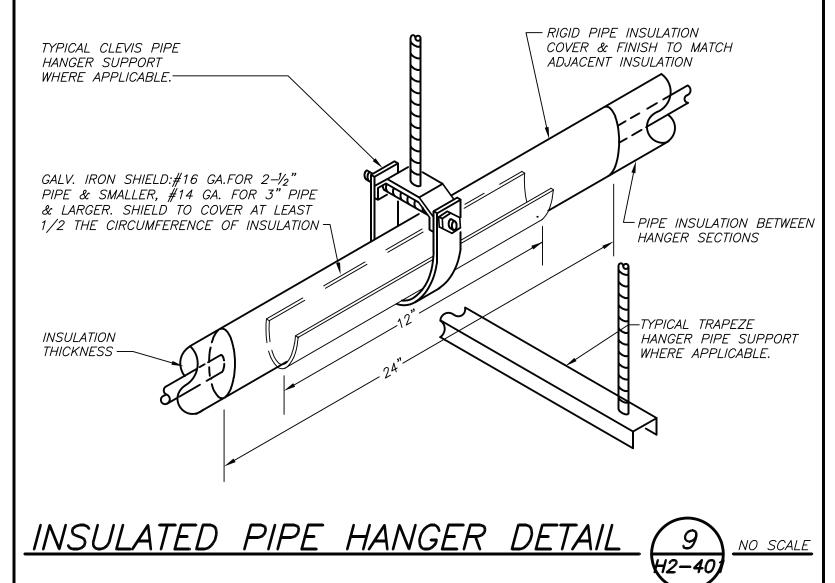


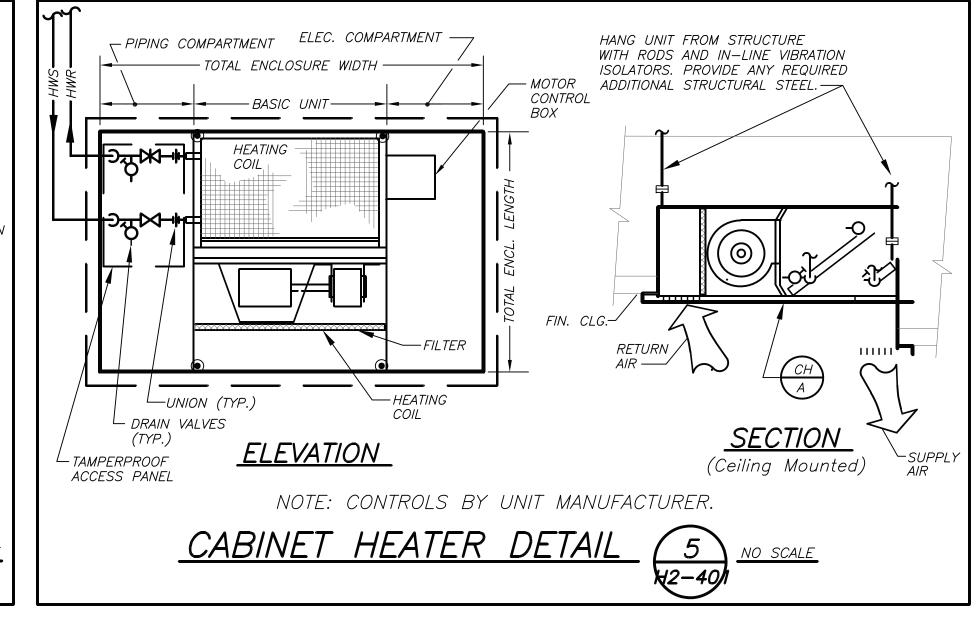


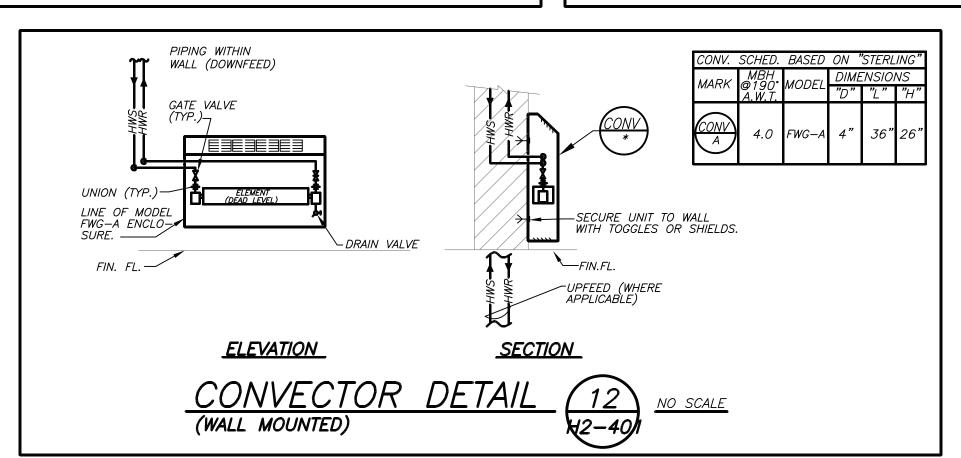


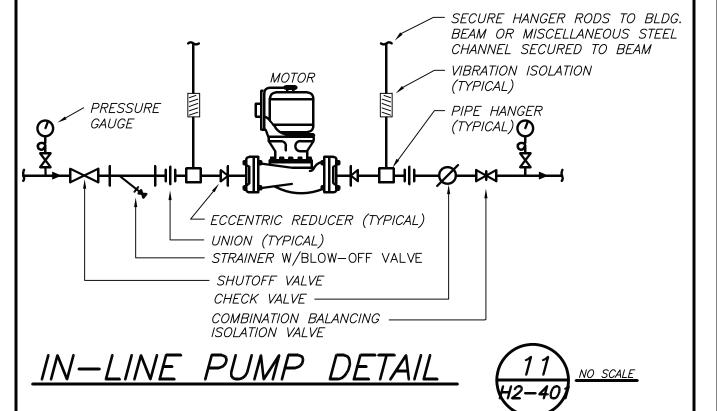
FOR STEAM

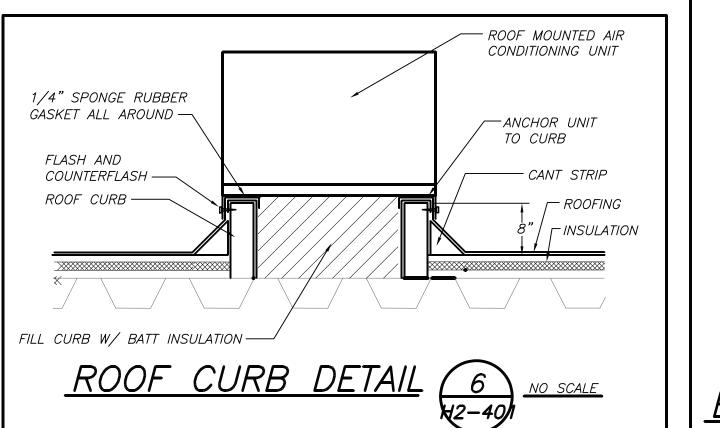


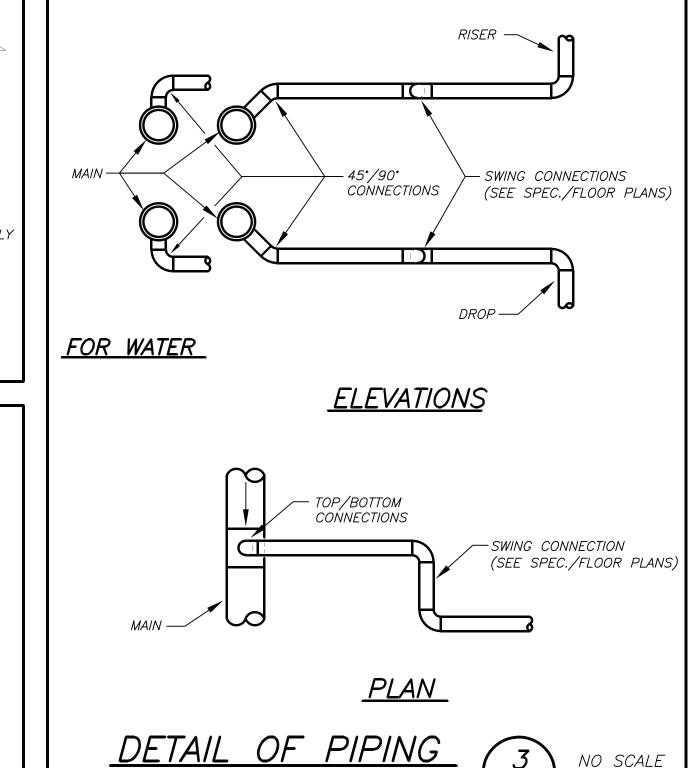










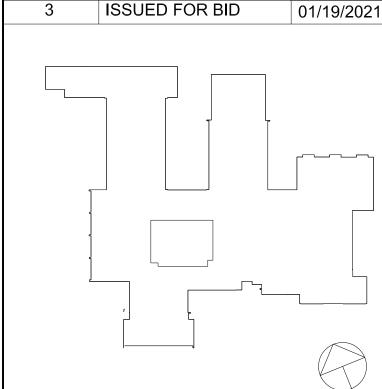


DN PITCH=1/2" PER FOOT

CONNECTIONS

- SWING CONNECTION

(SEE SPEC./FLOOR PLANS)



Revision Schedule

Description

09/15/2020

01/08/2021

SED Submission

SED Submission

Addendum#1

Geddis Architects

Architecture. Planning. Interiors

71 Old Post Road P.O. Box 1020 Southport, CT 06890 (203) 256-8700



Transforming Education by Design

259 Water Street Suite 1L Warren , RI 02885 USA +1 401-289-2789



CONSULTING ENGINEERS
39 MARBLE AVE PLEASANTVILLE, NY 10570
914.328.6060 GENERAL@BGA-ENG.com www.BGA-ENG.com

Construction Manager SAVIN ENGINEERS, P.C. 3 Campus Drive Pleasantville, NY 10570 914-769-3200

Structural Engineer
ODEH ENGINEERS
1223 Mineral Spring Ave
North Providence, RI 02904
401-724-1771

Civil Engineer WESTON & SAMPSON 1 Winners Circle, Suite 130 Albany, NY 12205 518-463-4400

Acoustic Consultant
DP DESIGN
12 Cold Spring Street
Providence, RI
401-861-3218

AV Consultant
CAVANAUGH TOCCI
327 F Boston Post Road
Sudbury, MA 01776-3027
978-443-7871

SED#: 6618-0001-0001-023

PROJECT _

Rye City Schools
555 Theodore Fremd Ave, Suite B-101

Osborn Elementary School

10 Osborn Road, Rye NY 10580

DETAILS

 SEAL & SIGNATURE
 DATE: 12/18/19

 PROJECT No: 9200
 DRAWING BY: BGA

 CHK BY: BGA
 DWG No:

 H2-401

BEFORE FABRICATION THIS CONTRACTOR SHALL
VERIFY ALL MEASUREMENTS AND CONDITIONS ON
JOB AND COORDINATE HIS WORK WITH THE WORK
OF ALL OTHER CONTRACTORS