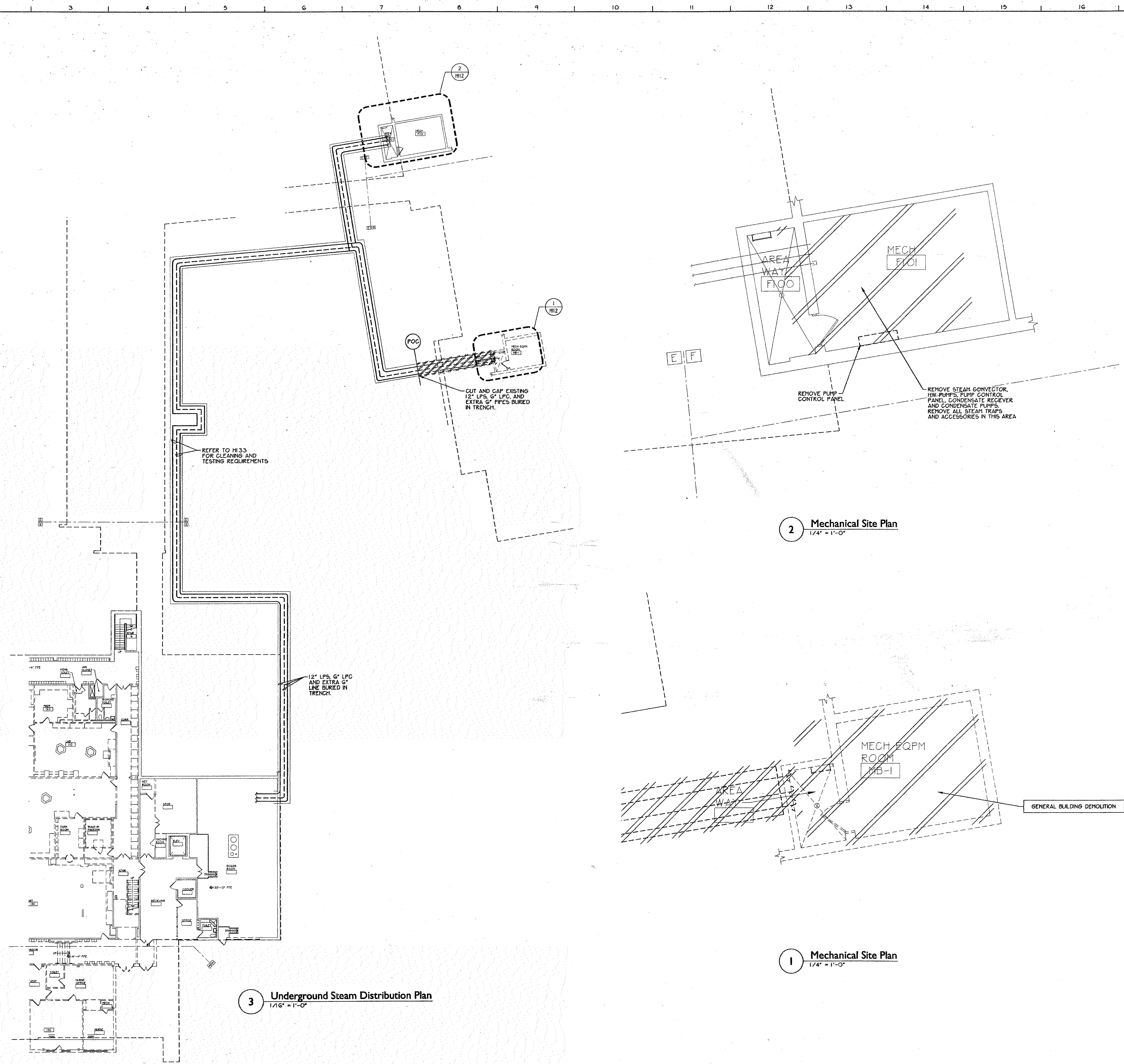
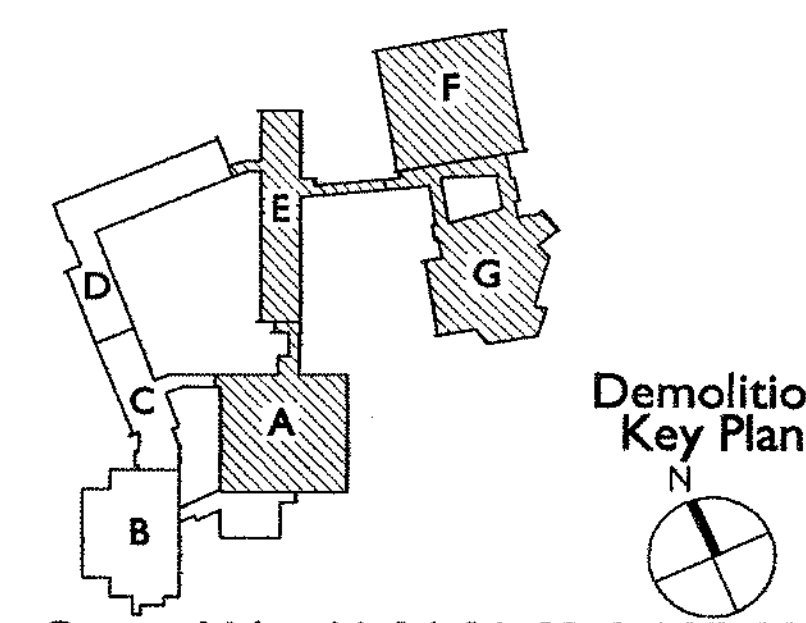




General Notes

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- REMOVE ALL WINDOW A/C UNITS AND TURN OVER TO OWNER.



S.E.D. Control No. 66-04-01-03-0-005-011

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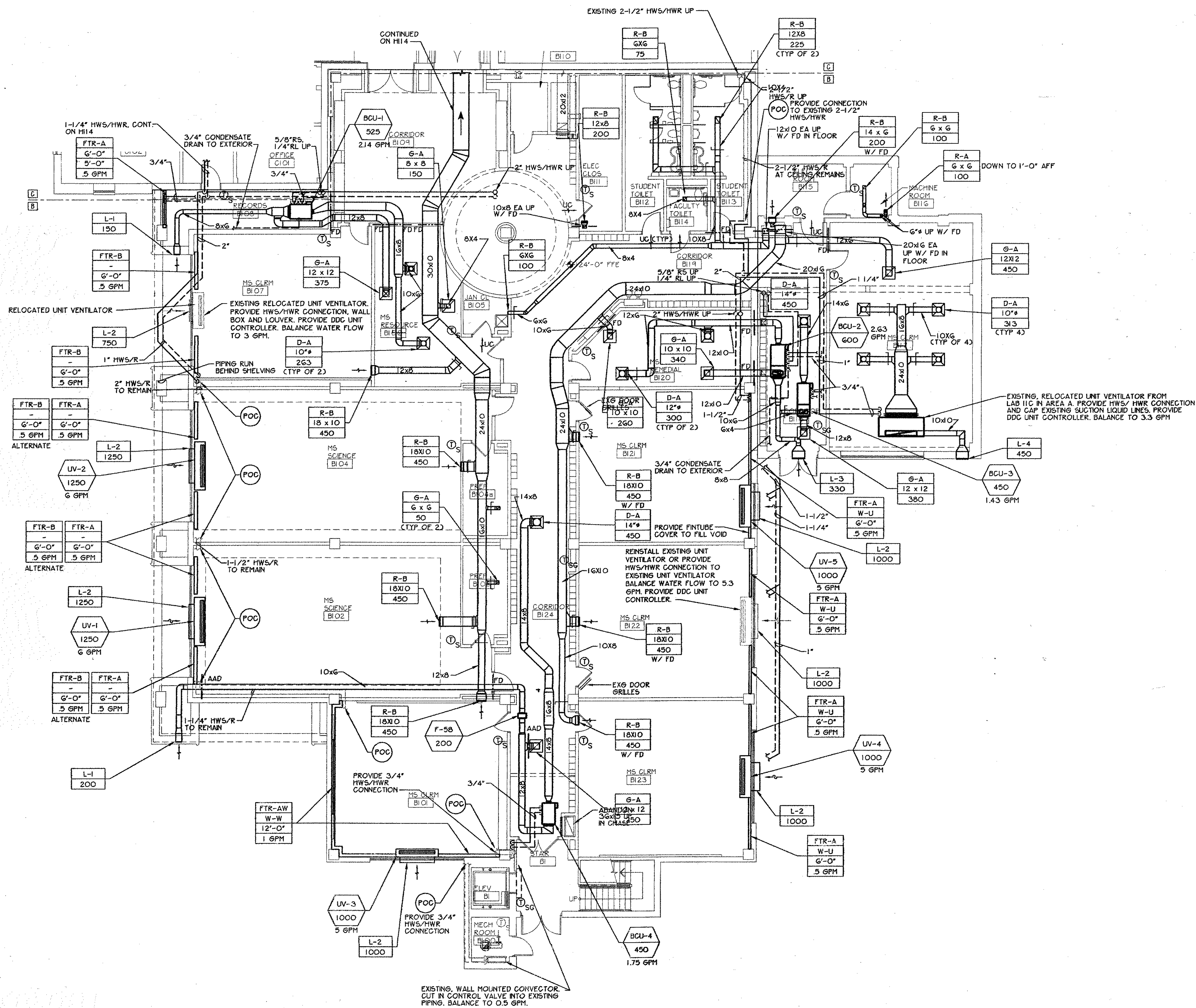
Thomas Associates
Architects + Engineers

Tarrytown Union Free School District
Sleepy Hollow, New York

Additions and Alterations to:
Sleepy Hollow School

Mechanical Site Plan

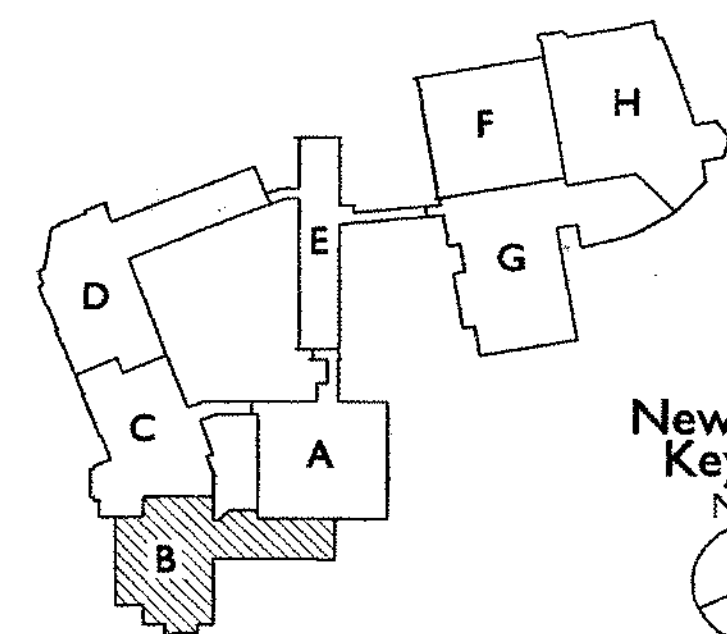
Drawn by: DPM/cab	Date: 12-19-2005	Drawing No.:
T+ Project No.:		H112
6060.1		



1 Lower Floor Area B Plan
1/8" = 1'-0"

General Notes

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Tarrytown Union Free School District
Sleepy Hollow, New York

Additions and Alterations to:
Sleepy Hollow School

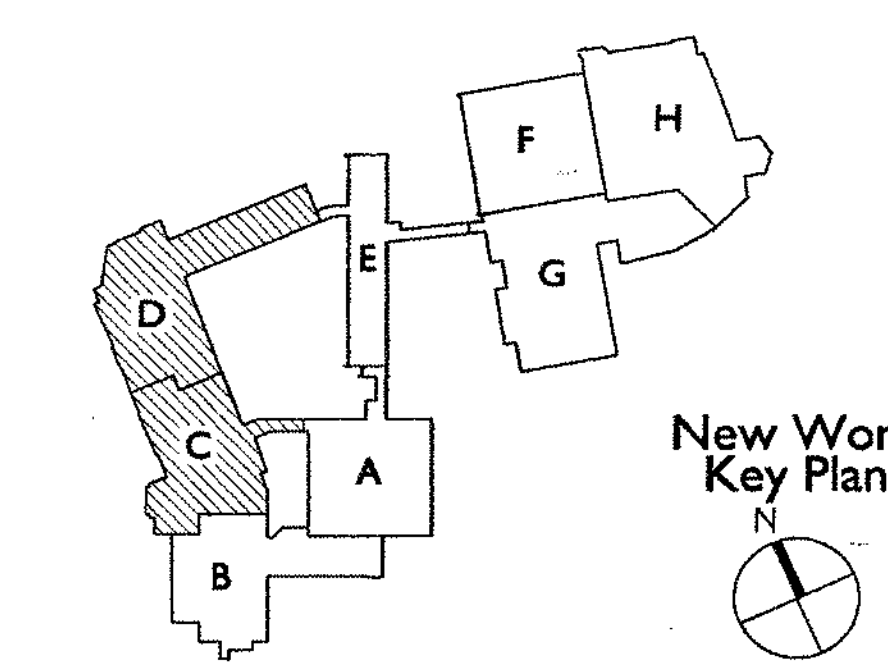
Lower Floor Area B
Ductwork and Piping Plan

Drawn by: DPH/cab Date: 12-19-2005 Drawing No.:
T+ Project No.: 6060.1

H113

General Notes

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Tarrytown Union Free School District
Sleepy Hollow, New York

Additions and Alterations to:
Sleepy Hollow School

Lower Floor Area
C and D Ductwork
and Piping Plans

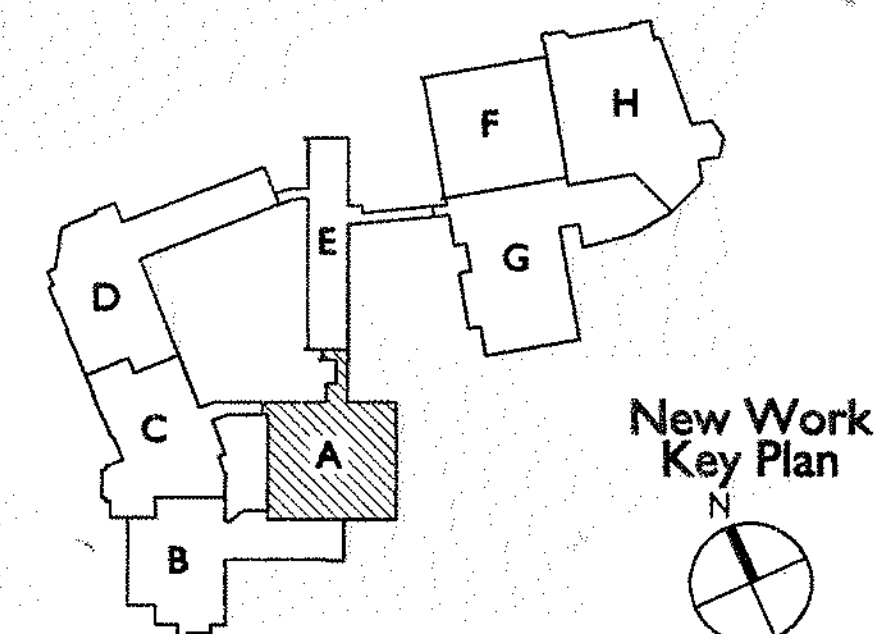
Drawn by: DPM/cab Date: 12-19-2005 Drawing No.:
T+ Project No.: 6060.1 H114

2 Lower Floor Area D Ductwork and Piping Plan
1/8" = 1'-0"

1 Lower Floor Area C Ductwork and Piping Plan
1/8" = 1'-0"

General Notes

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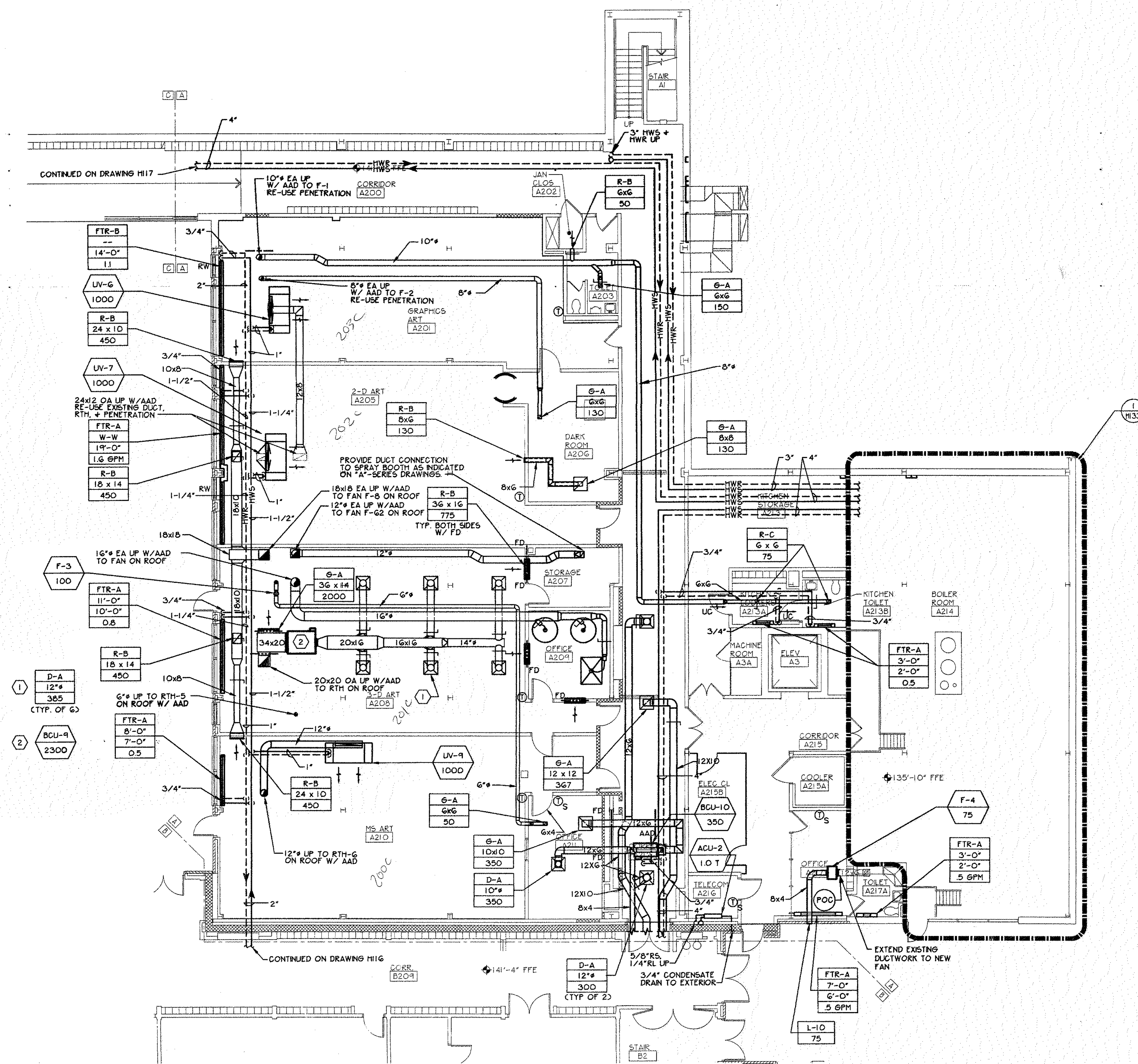
Tarrytown Union Free School District
Sleepy Hollow, New York

Additions and Alterations to:
Sleepy Hollow School

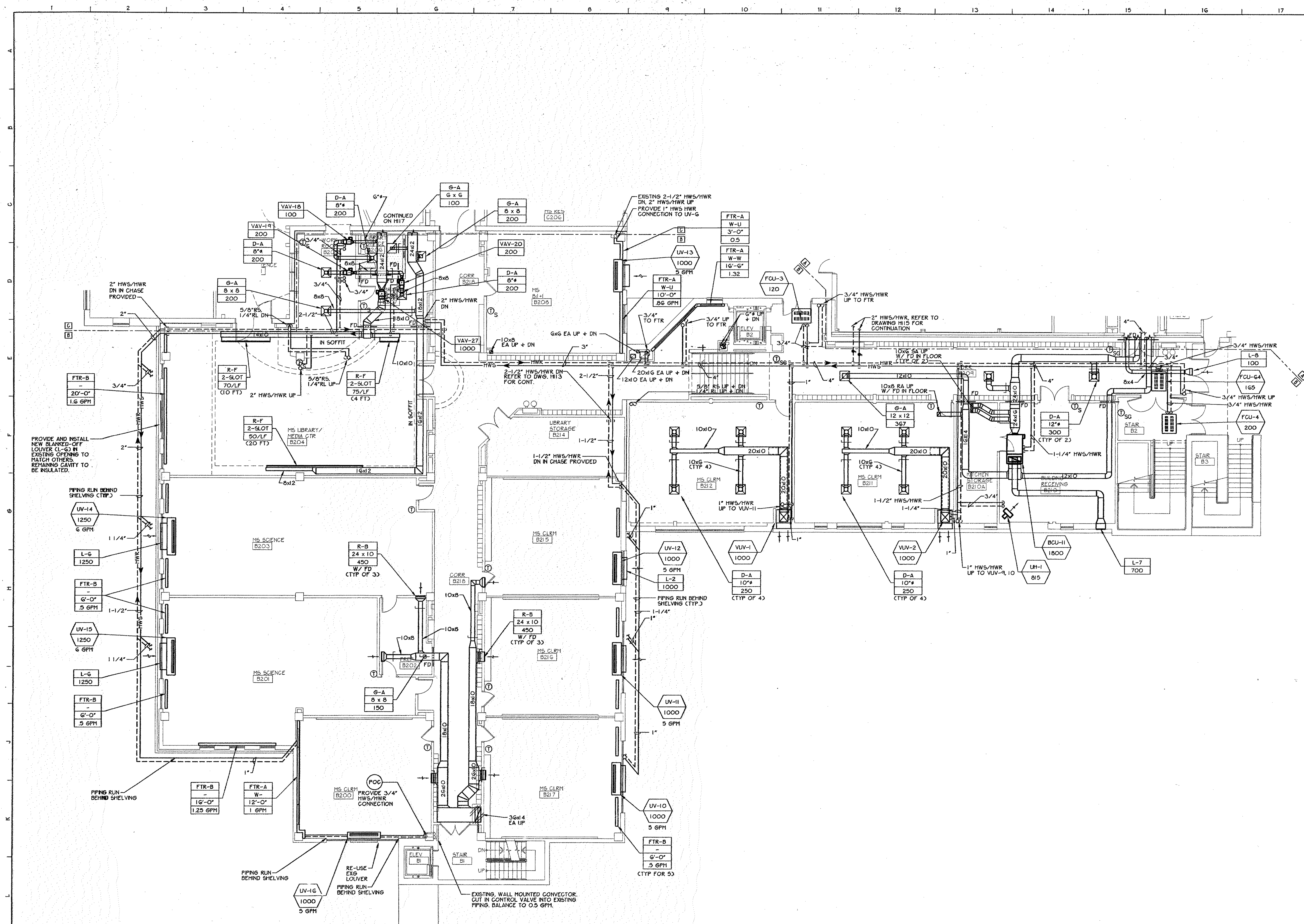
First Floor Area A
Ductwork and Piping Plan

Drawn by: DPW/cab Date: 12-19-2005 Drawing No.:
T+ Project No.: 6060.1

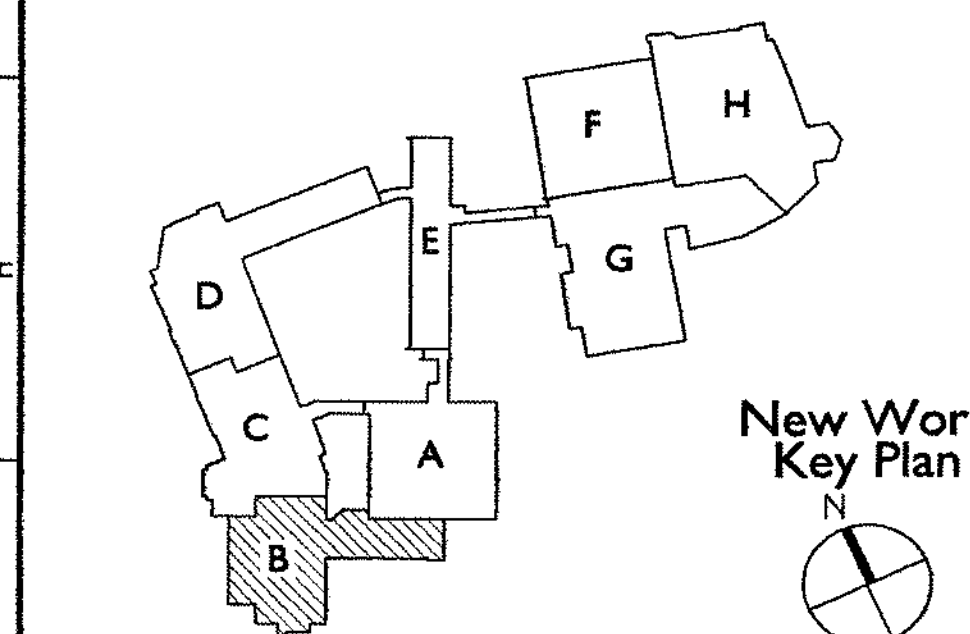
HI15



1 First Floor Area A Ductwork and Piping Plan
1/8" = 1'-0"



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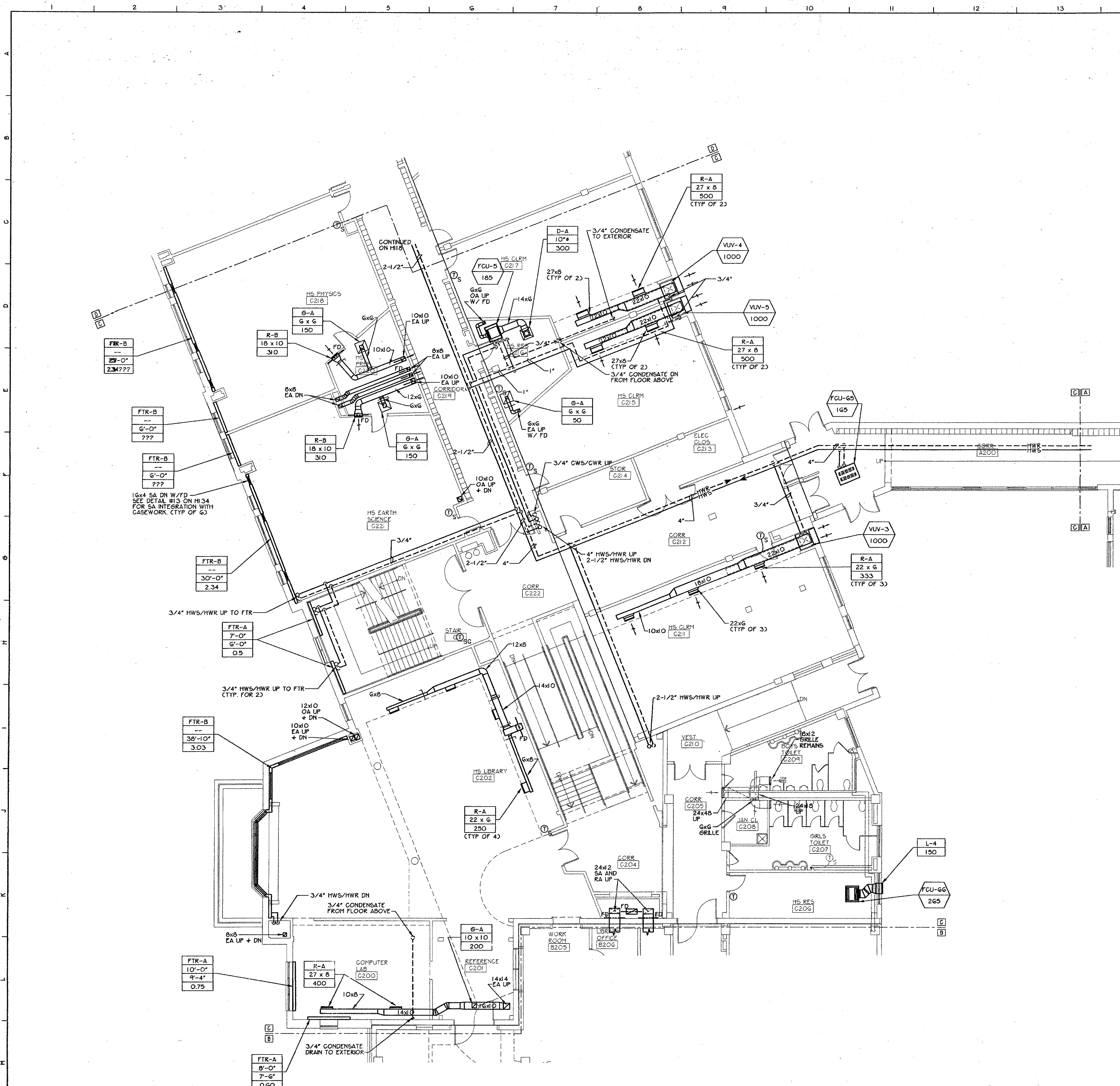
Tarrytown Union Free School District
Sleepy Hollow, New York

Additions and Alterations to:
Sleepy Hollow School

First Floor Area B
Ductwork and Piping Plan

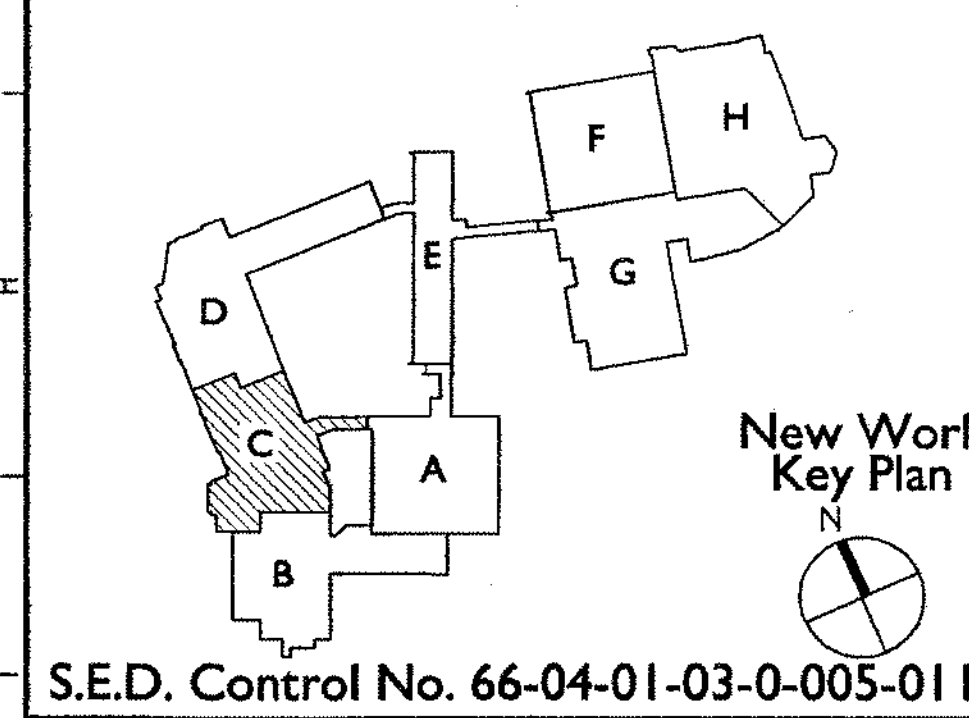
Drawn by: DPW/cab	Date: 12-19-2005	Drawing No.:
T+ Project No.:		H116
6060.1		

1 First Floor Area B Ductwork and Piping Plan
1/8" = 1'-0"



1 First Floor Area C Ductwork and Piping Plan
1/8" = 1'-0"

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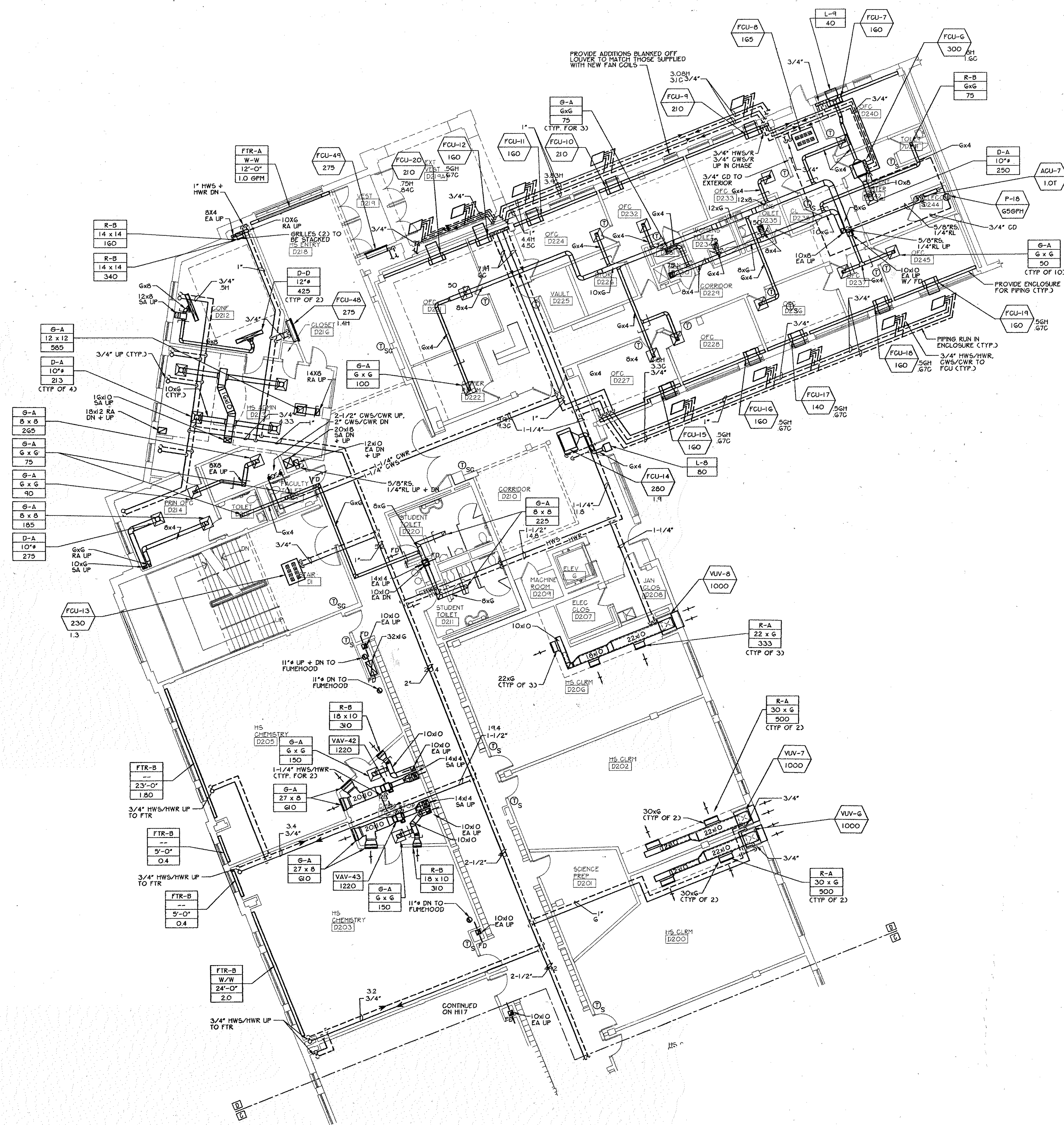
Thomas Associates
Architects + Engineers

Tarrytown Union Free School District
Sleepy Hollow, New York

Additions and Alterations to:
Sleepy Hollow School

First Floor Area C
Ductwork and Piping Plan

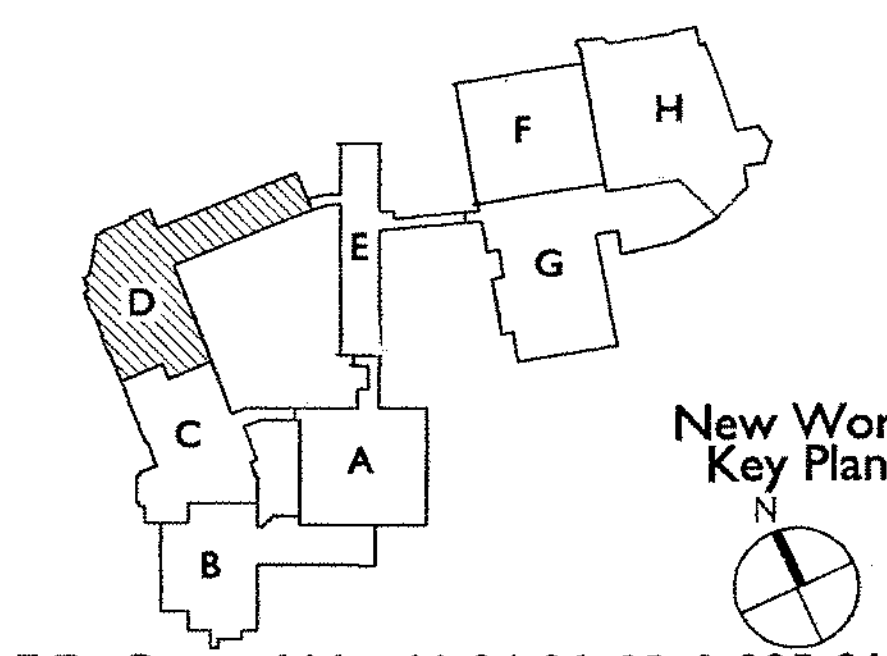
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T+ Project No.:		H117
6060.1		



1 First Floor Area D Ductwork and Piping Plan
1/8" = 1'-0"

General Notes

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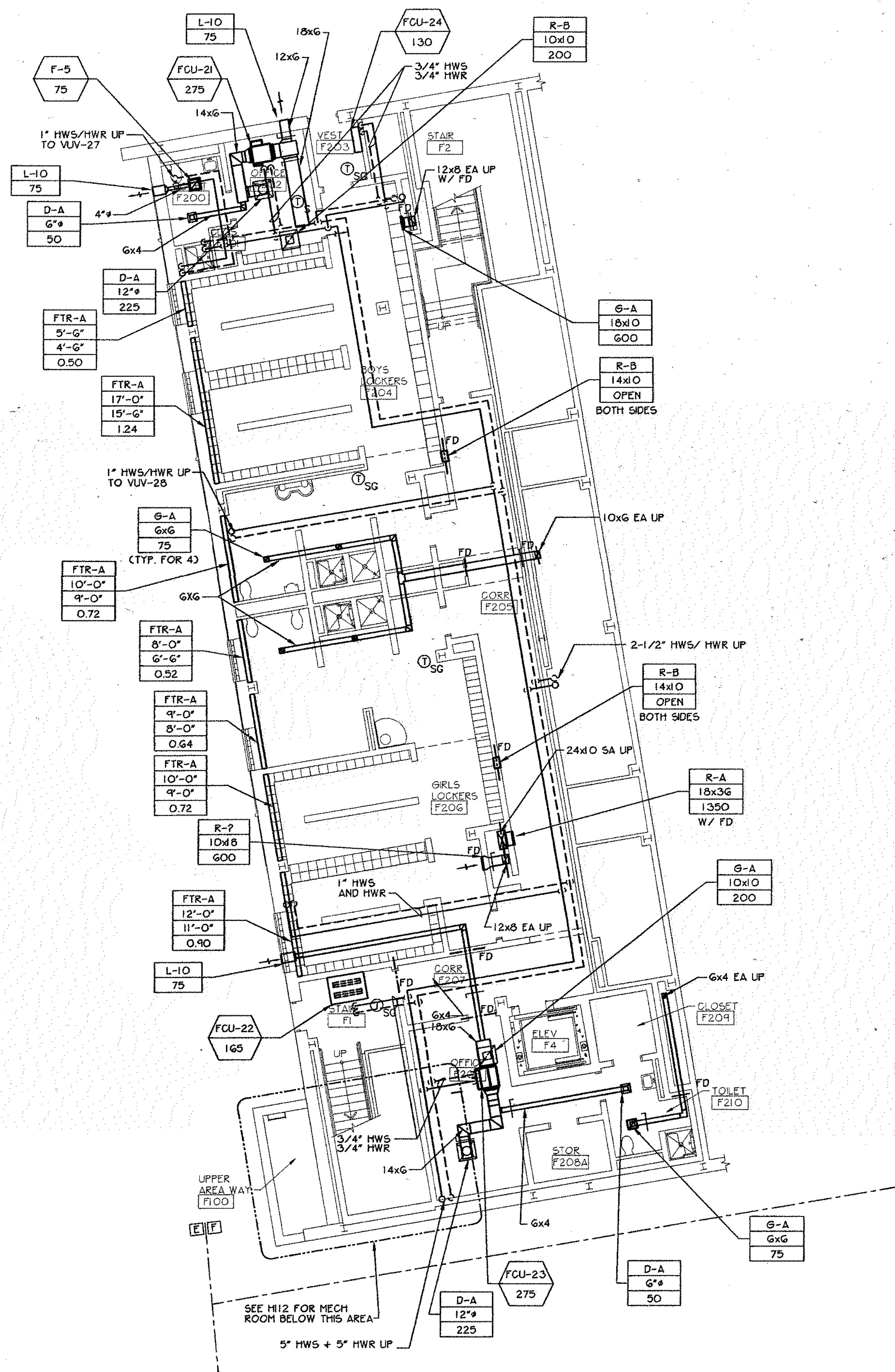
Thomas Associates
Architects + Engineers

Tarrytown Union Free School District
Sleepy Hollow, New York

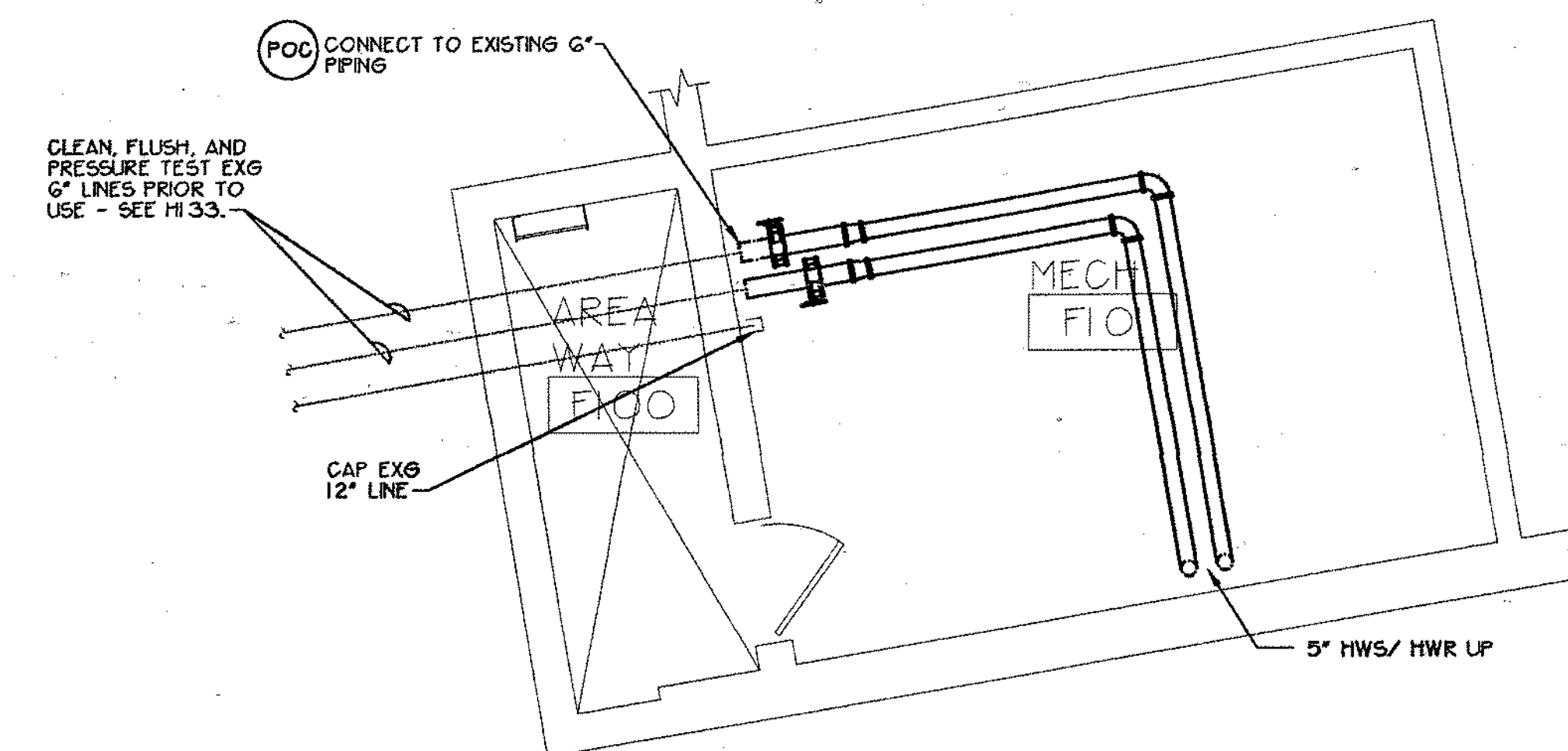
Additions and Alterations to:
Sleepy Hollow School

First Floor Area D
Ductwork and Piping Plan

Drawn by: DPM/cal Date: 12-19-2005 Drawing No.:
T+ Project No.: 6060.1 H118



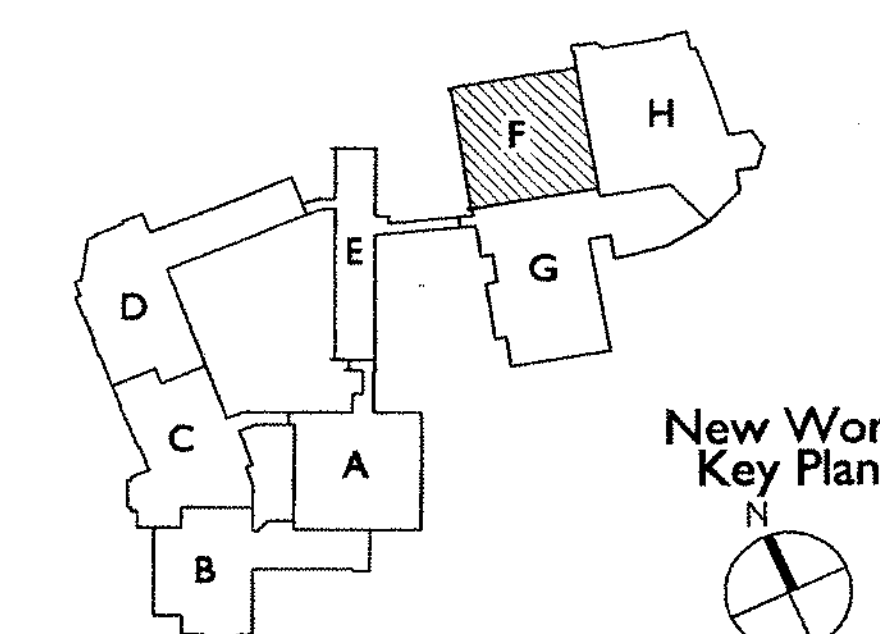
1 First Floor Areas F Ductwork and Piping Plans
1/8" = 1'-0"



2 Area F Underfloor Mechanical Room - Piping Plan
1/4" = 1'-0"

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Tarrytown Union Free School District
Sleepy Hollow, New York

Additions and Alterations to:
Sleepy Hollow School

First Floor Area F
Ductwork and Piping Plans

Drawn by: DPM/cab Date: 12-19-2005 Drawing No.: H119
T+ Project No.: 6060.1



-
- New Work Key Plan**
- A site layout diagram showing eight rooms labeled A through H. Room A is shaded with diagonal lines. The rooms are arranged as follows: A is at the bottom center, connected to B (bottom left) and C (middle left). C is connected to D (top left). D is connected to E (top center). E is connected to F (top right) and G (middle right). F is connected to H (top right corner). A compass rose is located to the right of the diagram, with an arrow pointing towards the top right, indicating North.

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WENDY ELIZABETH STERNBACH ROBBINS
023999-1
STATE OF NEW YORK


Thomas Associates
Architects + Engineers

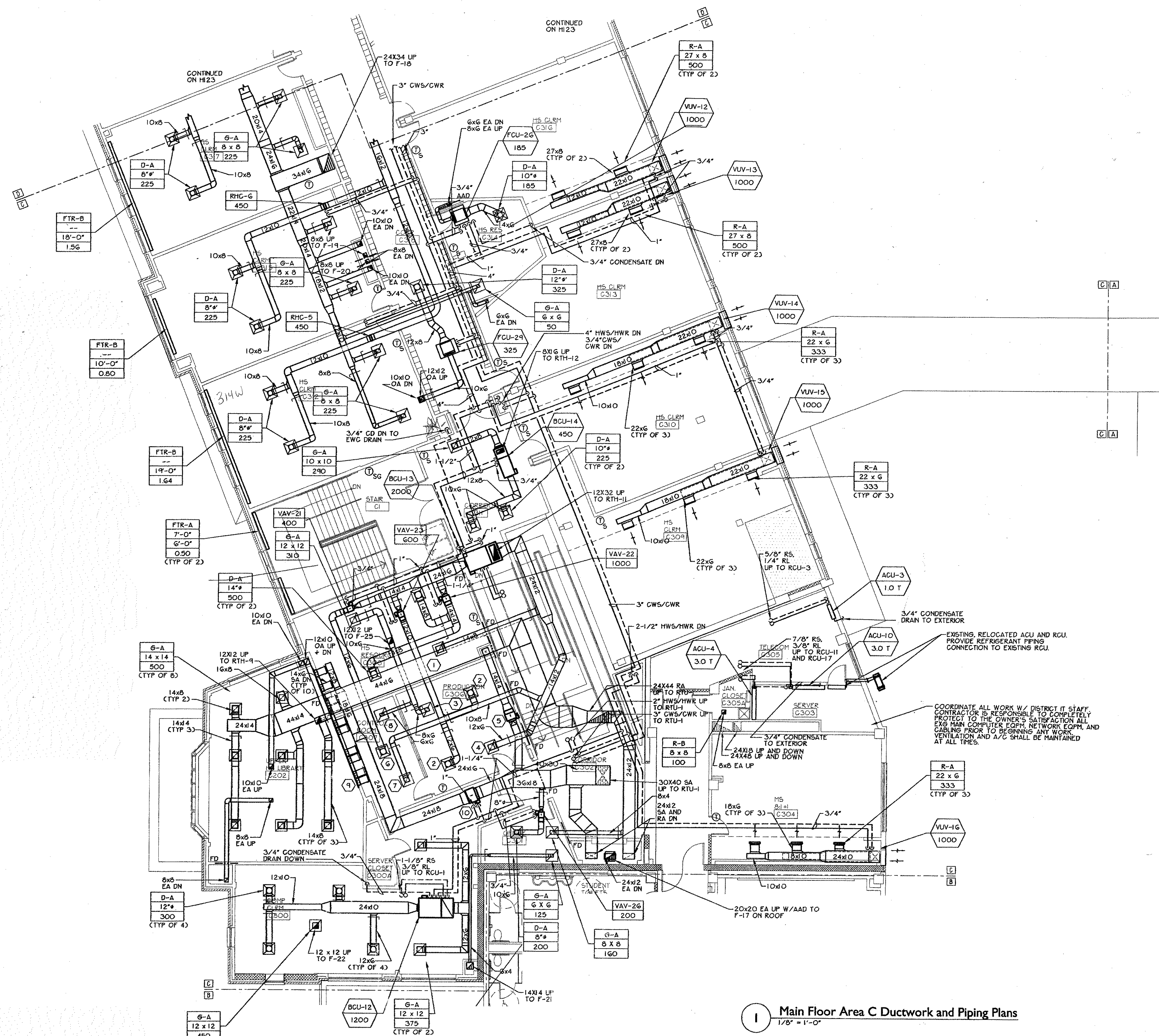
Tarrytown Union Free School District
Sleepy Hollow, New York

Additions and Alterations to: Sleepy Hollow School

Main Floor Area A Ductwork and Piping Plans

Drawn by: DPM/cab	Date: 12-19-2005	Drawing No.:
T+ Project No: 6060.1		HI20

4120

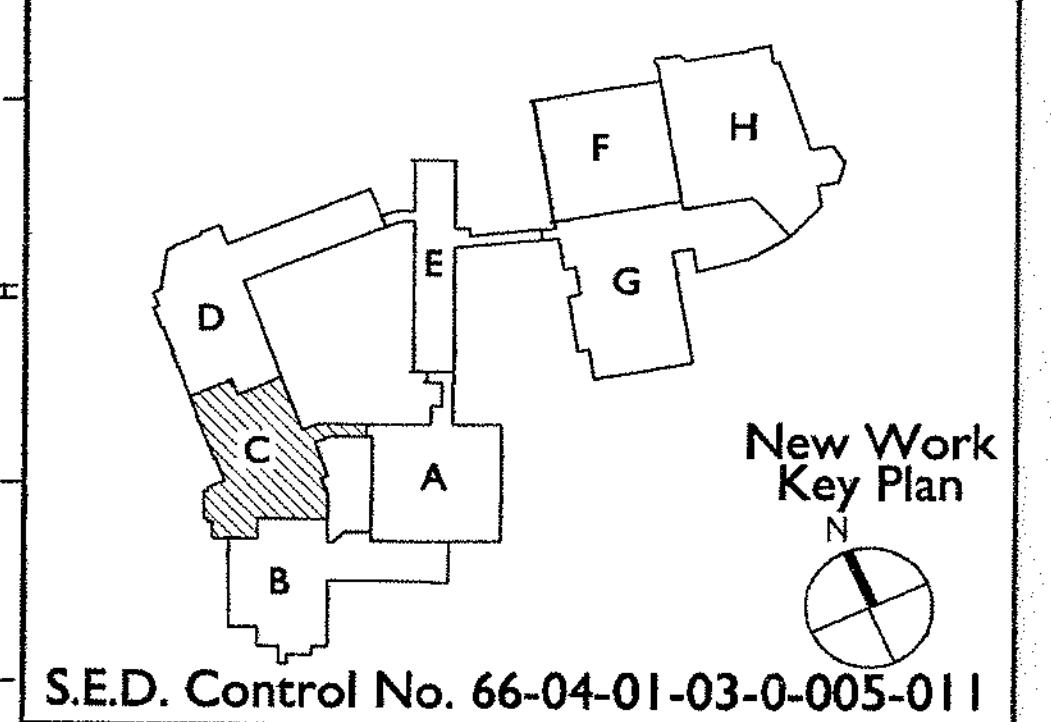


I Main Floor Area C Ductwork and Piping Plans
1/8" = 1'-0"

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HVAC KEYED NOTES
NOTE: NOT ALL NOTES APPLY TO THIS DRAWING

1	6-A 14 x 14 500	2	D-A 10" x 8" 300	3	6-A 8 x 8 185	4	6-A 12 x 12 415
5	VAV-24 1000	6	D-A 12" x 8" 400	7	6-A 10 x 10 275	8	6-A 6 x 6 125
9	R-F 6-SLOT 140/LF	10	VAV-25 3800				



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JAMES STERNBERG
STATE OF NEW YORK
22399

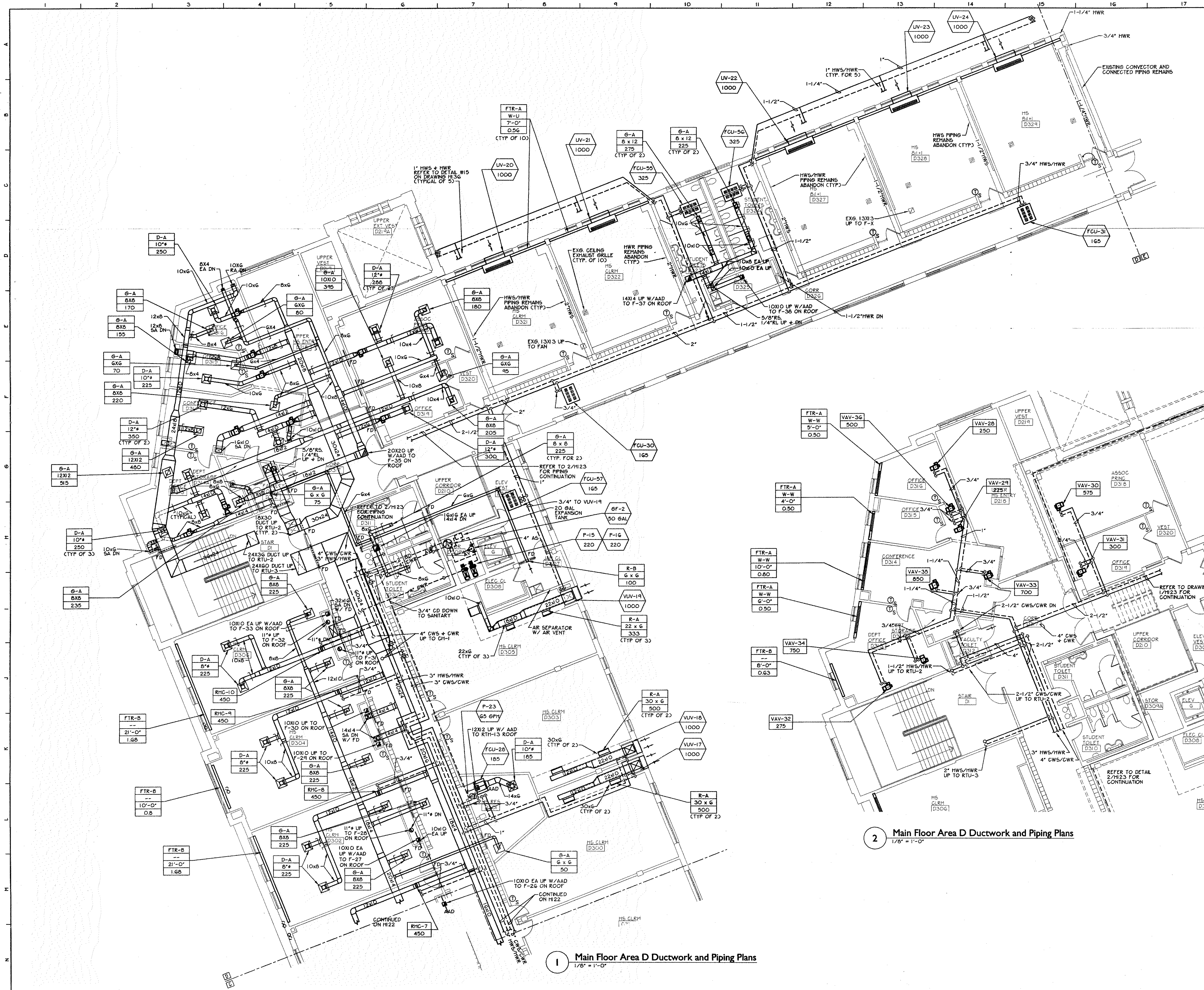
Thomas Associates
Architects + Engineers

Tarrytown Union Free School District
Sleepy Hollow, New York

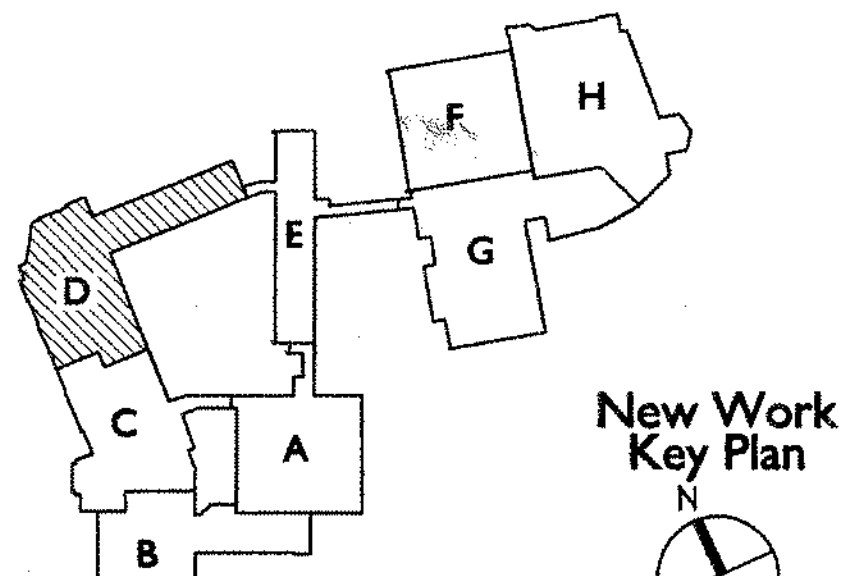
Additions and Alterations to:
Sleepy Hollow School

Main Floor Area C
Ductwork and Piping Plans

Drawn by: DPM/kab	Date: 12-19-2005	Drawing No.:
T+ Project No.:		H122
6060.1		



- General Notes**
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STATE OF NEW YORK
JAMES GREEN
021999-1

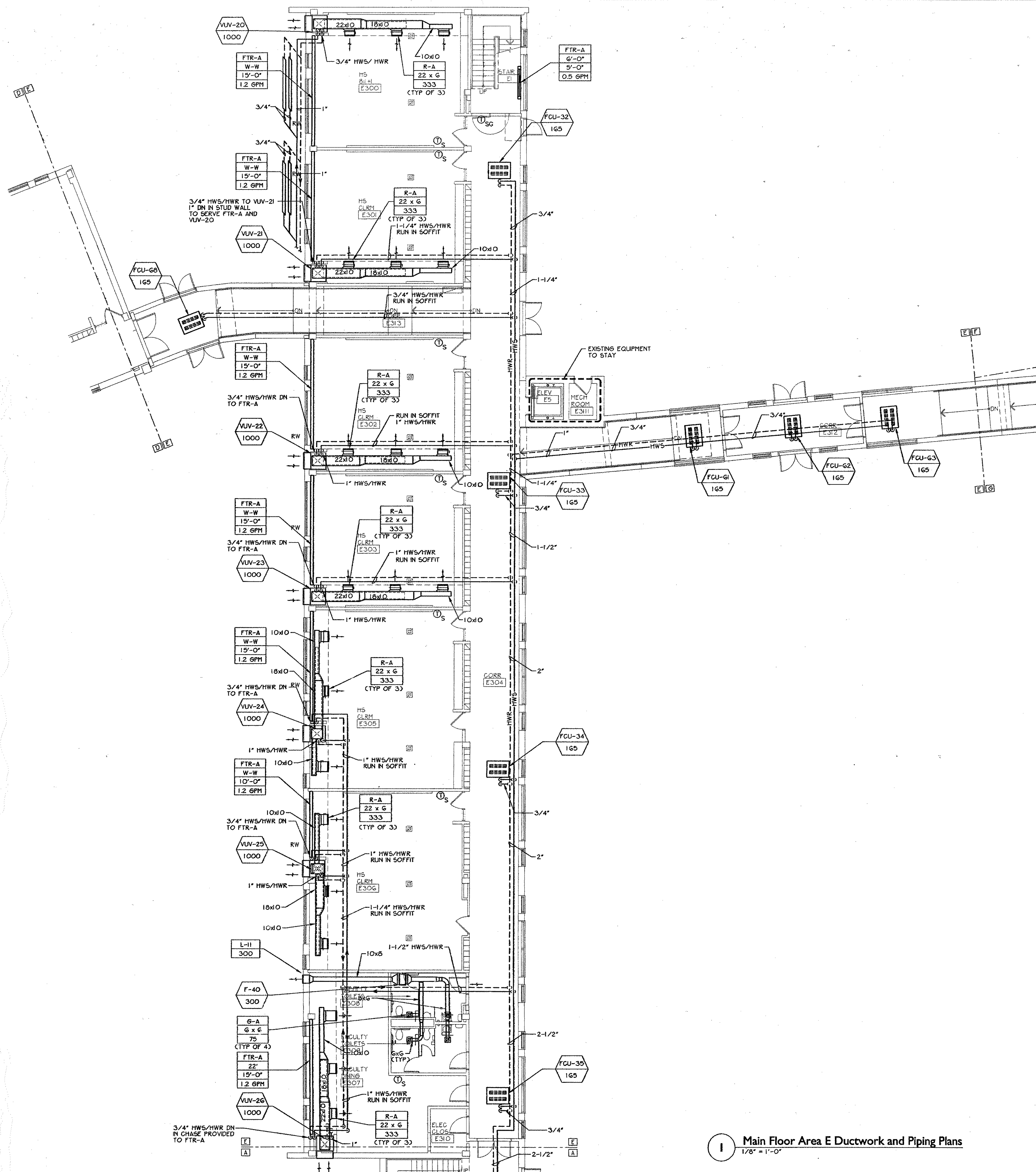
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Architects + Engineers

Tarrytown Union Free School District
Sleepy Hollow, New York

Additions and Alterations to:
Sleepy Hollow School

**Main Floor Area D
Ductwork and Piping Plans**

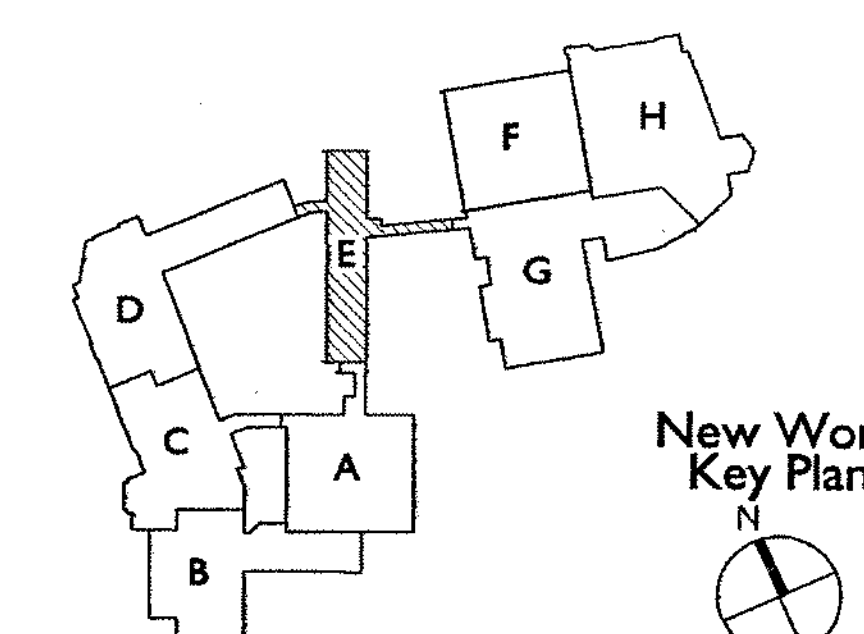
Drawn by: DPV/cab	Date: 12-19-2005	Drawing No.:
T+ Project No.:		H123
6060.1		



I Main Floor Area E Ductwork and Piping Plans
1/8" = 1'-0"

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S.E.D. Control No. 66-04-01-03-0-005-011

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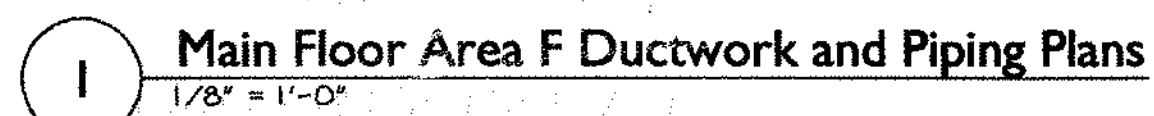
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Tarrytown Union Free School District
Sleepy Hollow, New York

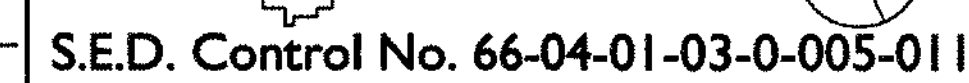
Additions and Alterations to:
Sleepy Hollow School

Main Floor Area E
Ductwork and Piping Plans

Drawn by: DPW/cab Date: 12-19-2005 Drawing No.:
T* Project No.: 6060.1 **H124**



- A. VERIFY ALL LOCATIONS, DIMENSIONS, ARRANGEMENTS, AND ELECTRICAL CHARACTERISTICS IN THE FIELD PRIOR TO BID. PROMPTLY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
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Tarrytown Union Free School District
Sleepy Hollow, New York

Additions and Alterations to: Sleepy Hollow School

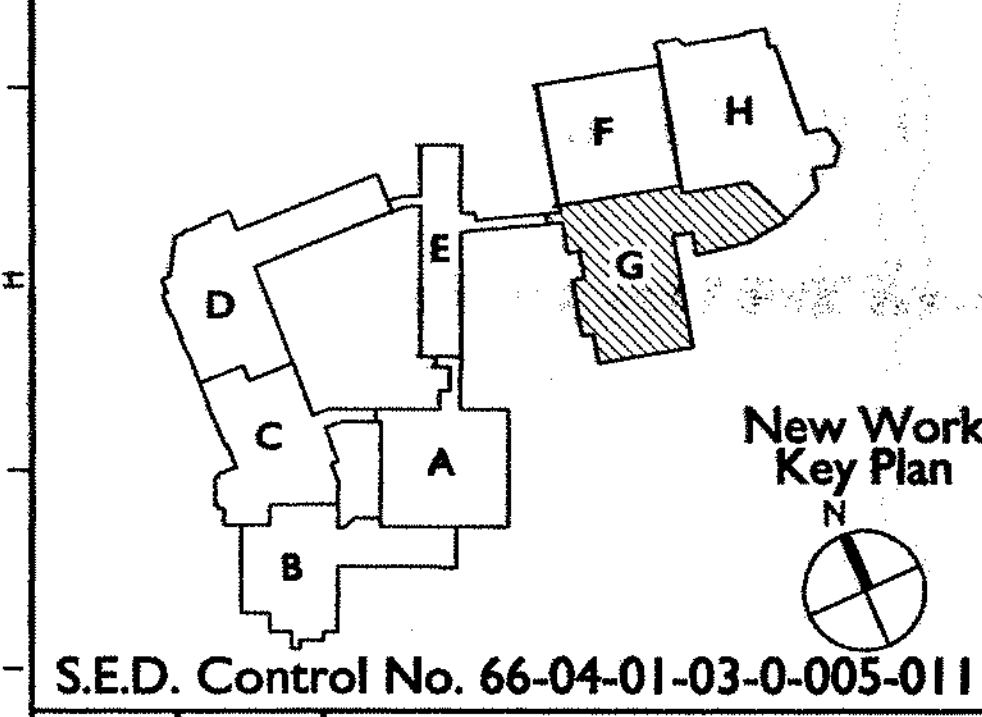
Main Floor Area F Ductwork and Piping Plans

Drawn by: DPM/cab	Date: 12-19-2005	Drawing No.:
T+ Project No.: 6060.		HI25



1 Main Floor Area G Ductwork and Piping Plans
1/8" = 1'-0"

- ### General Notes
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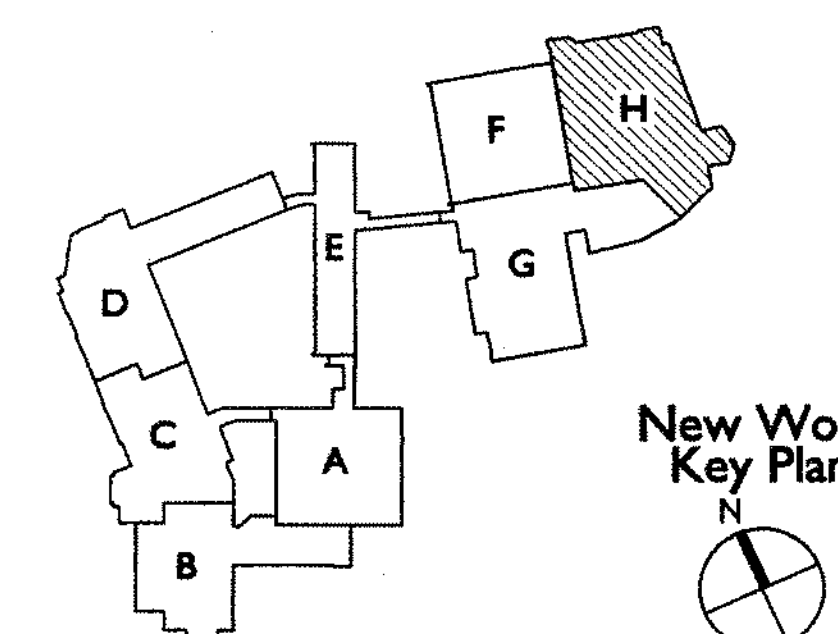
Additions and Alterations to:
Sleepy Hollow School

Main Floor Area G
Ductwork and Piping Plans

Drawn by: DPT/cab	Date: 12-19-2005	Drawing No.:
T+ Project No.:		H126
6060.1		

General Notes

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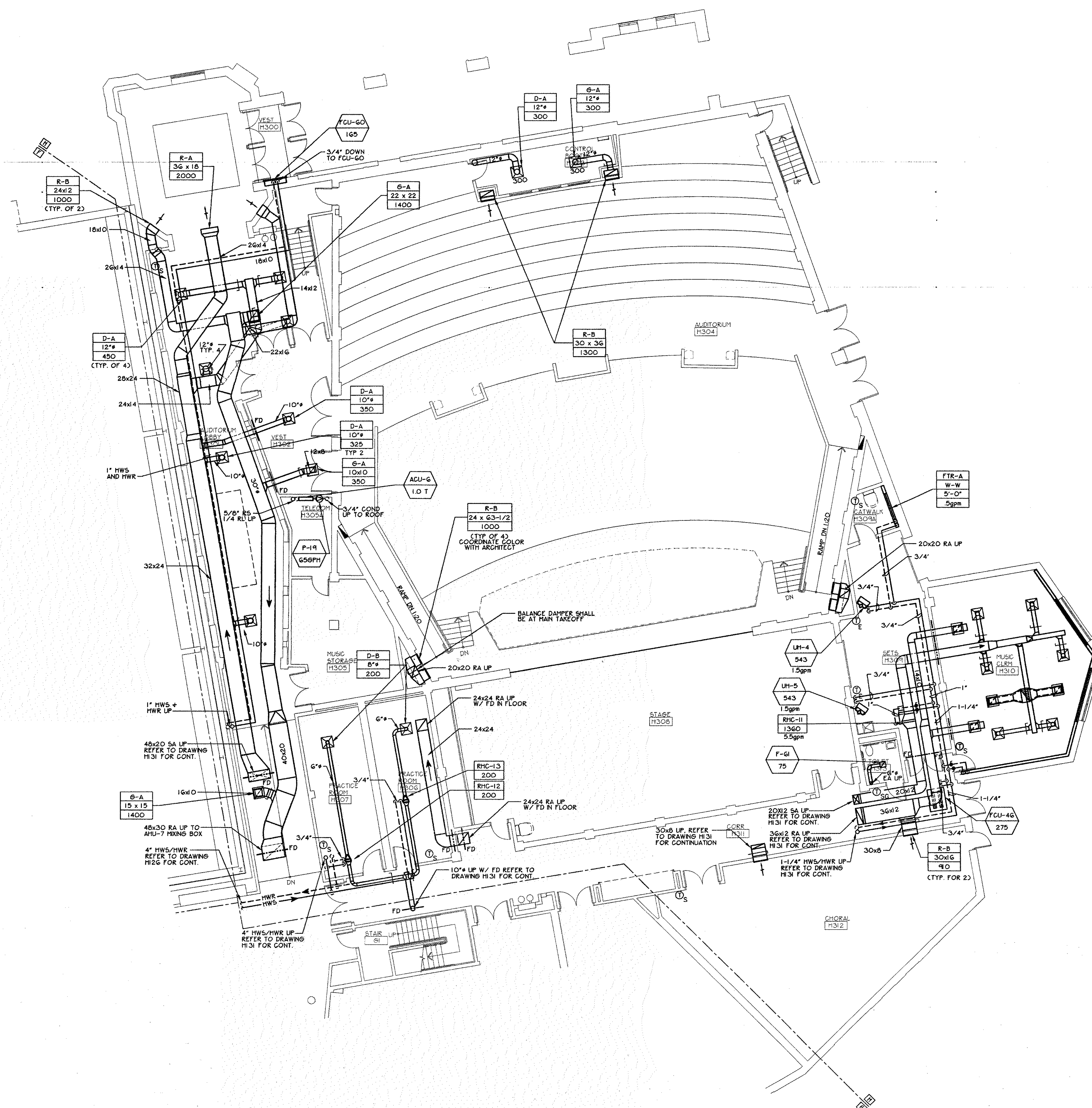
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Sleepy Hollow, New York

Additions and Alterations to:
Sleepy Hollow School

Main Floor Area H
Ductwork and Piping Plan

Drawn by: DPW/cab Date: 12-19-2005 Drawing No.:
T+ Project No.: 6060.1 H127





- A. VERIFY ALL LOCATIONS, DIMENSIONS, ARRANGEMENTS, AND ELECTRICAL CHARACTERISTICS IN THE FIELD PRIOR TO BID. PROMPTLY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
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Tarrytown Union Free School District
Sleepy Hollow, New York

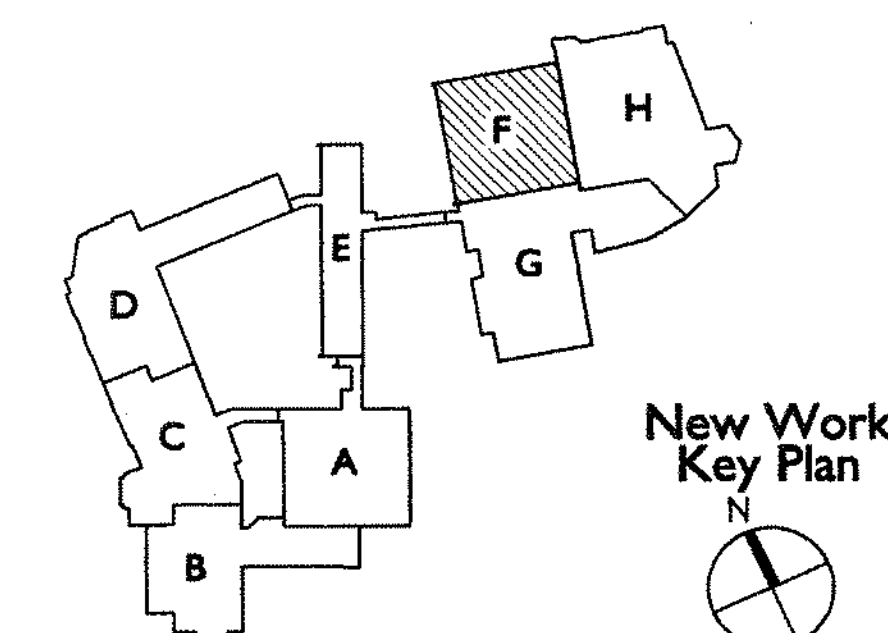
Additions and Alterations to: Sleepy Hollow School

Upper Floor Area E Ductwork and Piping Plan

Drawn by: DPM/cab	Date: 12-19-2005	Drawing No.:
T+ Project No.:		HI28
6060.1		

General Notes

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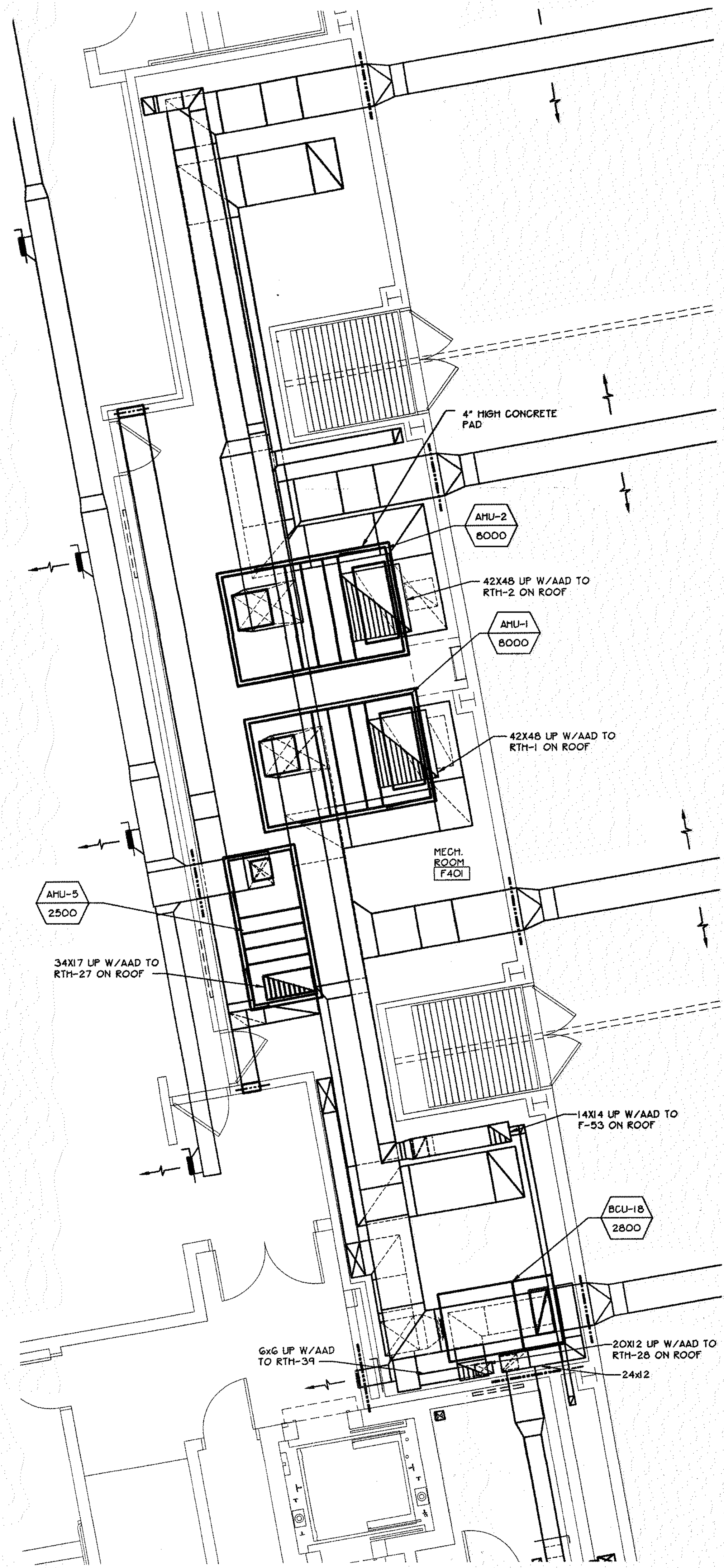
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Sleepy Hollow, New York

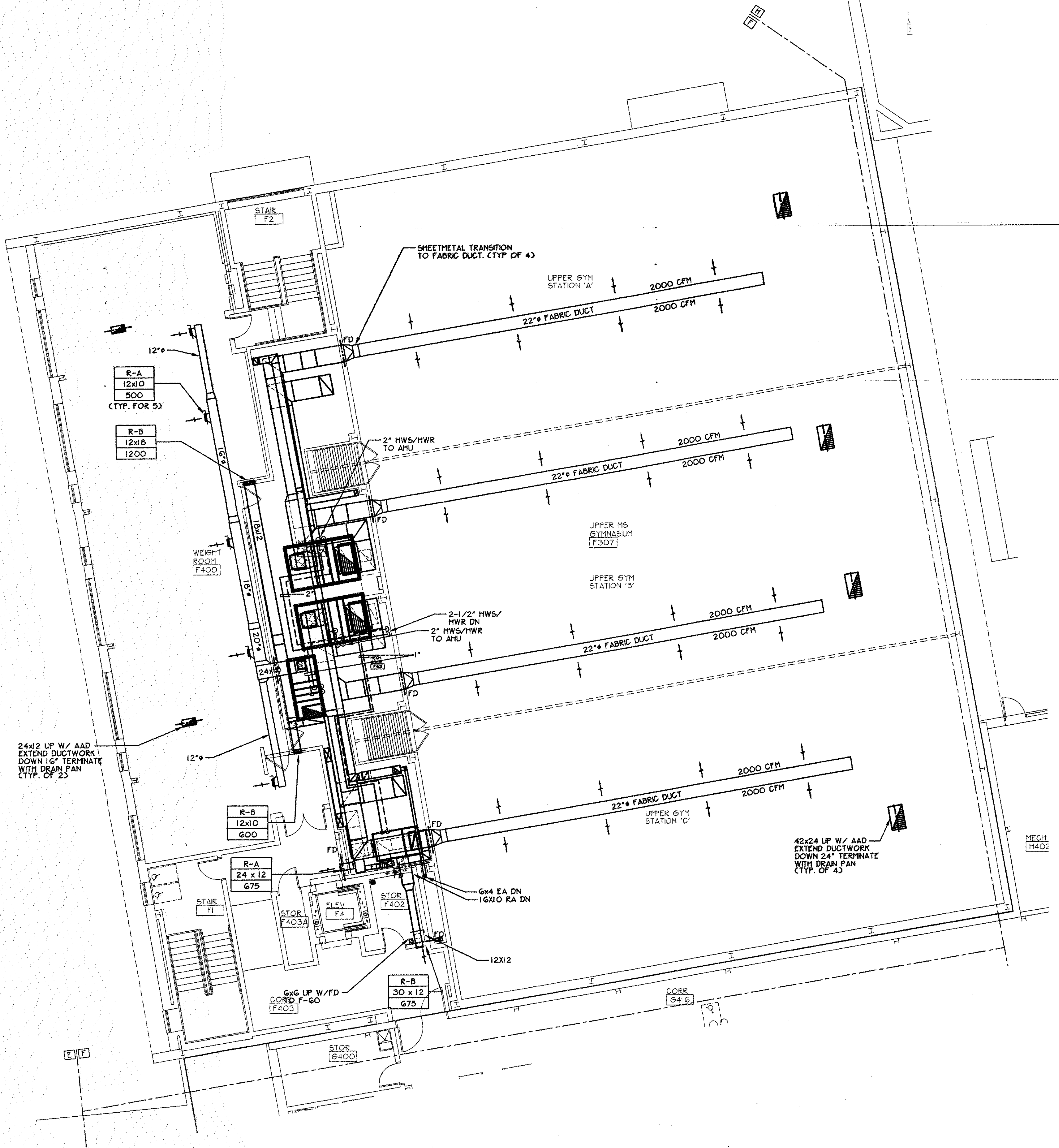
Additions and Alterations to:
Sleepy Hollow School

Upper Floor Area F
Ductwork and Piping Plans

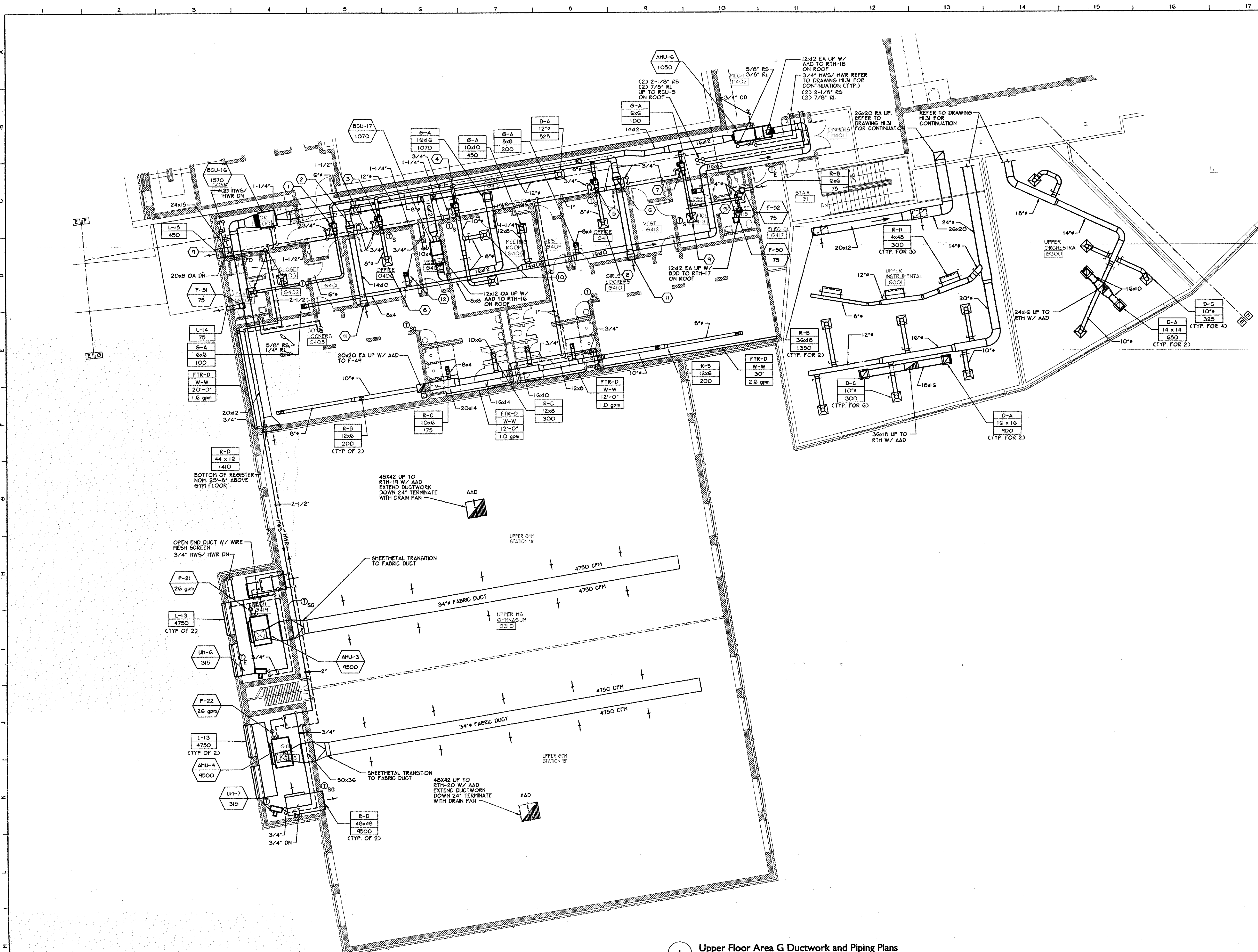
Drawn by: DPM/cab Date: 12-19-2005 Drawing No.:
T+ Project No.: 6060.1 **H129**



2 Mechanical Room F401 Plan
1/4" = 1'-0"



1 Upper Floor Area F Ductwork and Piping Plans
1/8" = 1'-0"



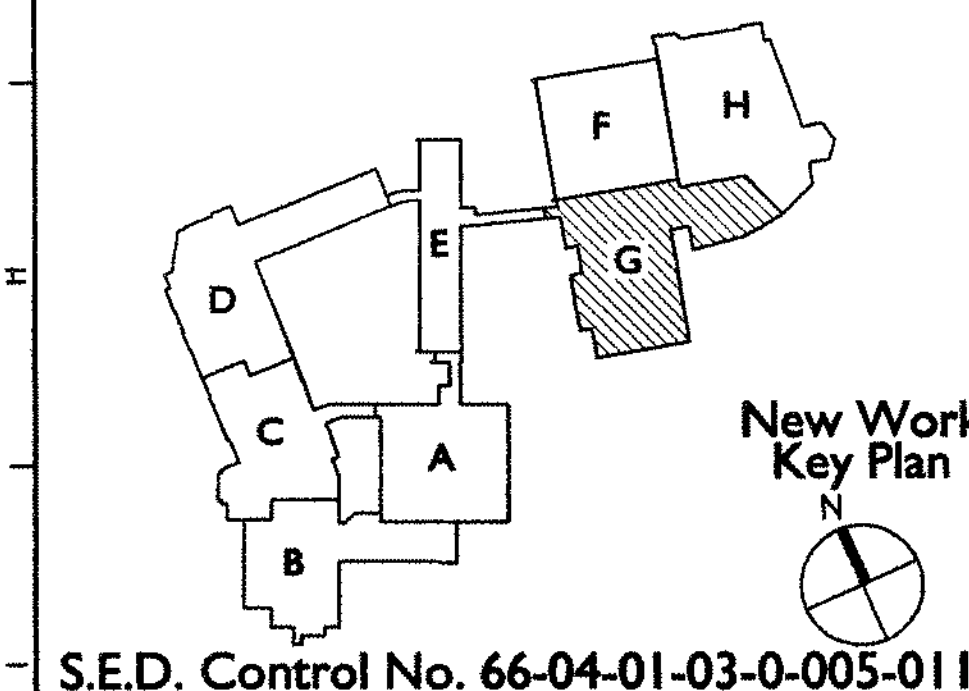
I Upper Floor Area G Ductwork and Piping Plans
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HVAC KEYED NOTES - AREA G AND H

NOTE: NOT ALL NOTES APPLY TO THIS DRAWING

1 VAV-37 100	2 RHC-14 785	3 VAV-36 200	4 VAV-39 450
5 VAV-40 200	6 RHC-15 785	7 VAV-41 100	8 D-A 6" x 6" x 200
9 D-A 6" x 6" x 50	10 D-A 8" x 8" x 225	11 R-6 18x10 785	12 G-A 6" x 6" x 200



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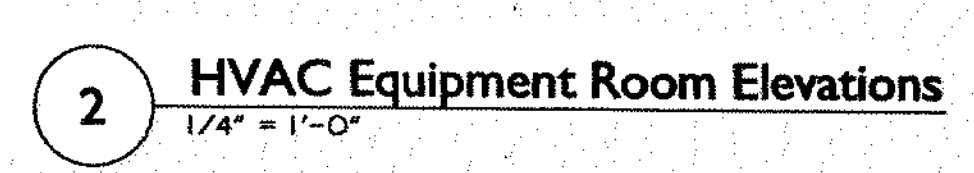
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Sleepy Hollow, New York

Additions and Alterations to:
Sleepy Hollow School

Upper Floor Area G
Ductwork and Piping Plans

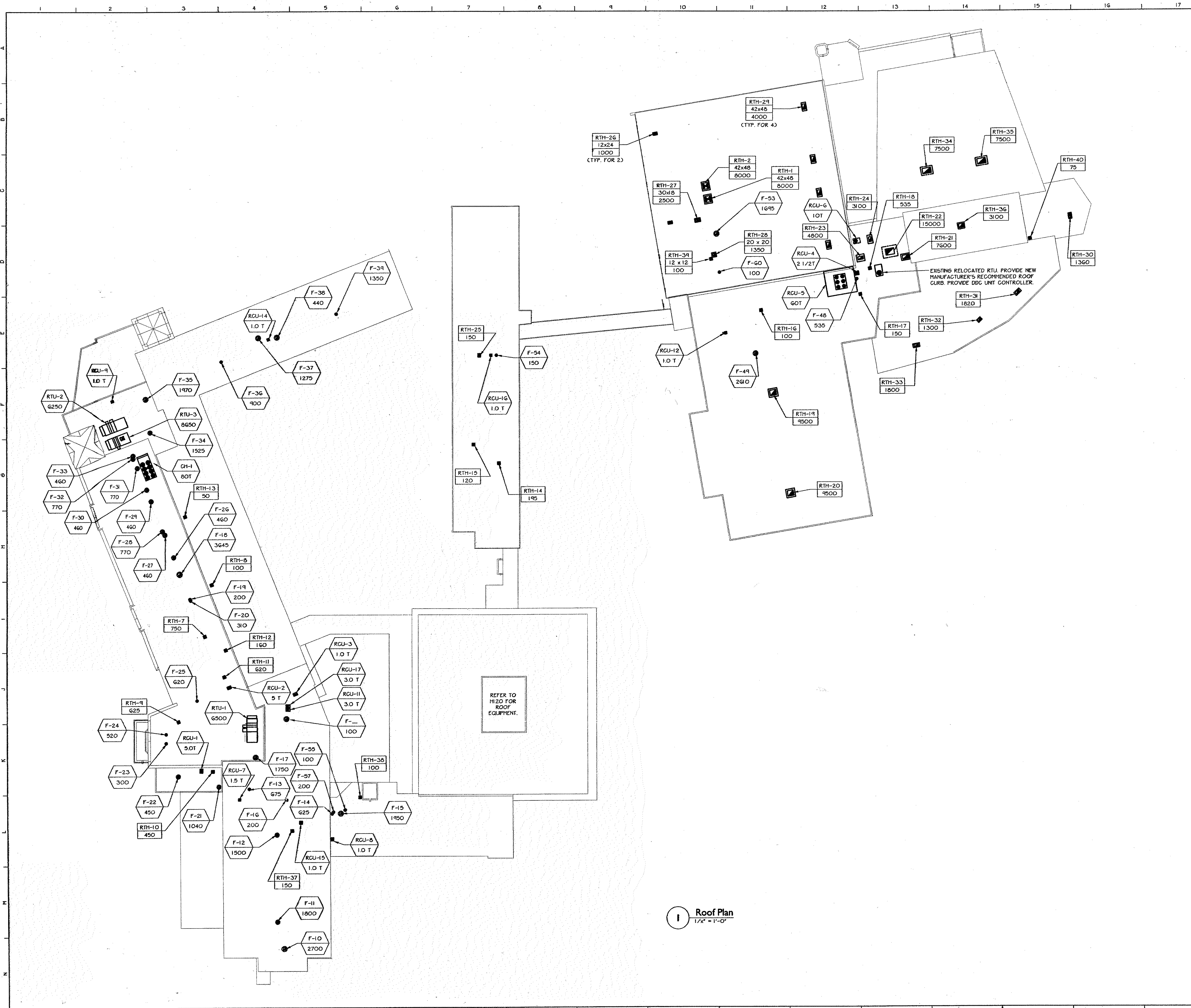
Drawn by: DPW/cab	Date: 12-19-2005	Drawing No.:
T+ Project No.:		6060.1
		H130



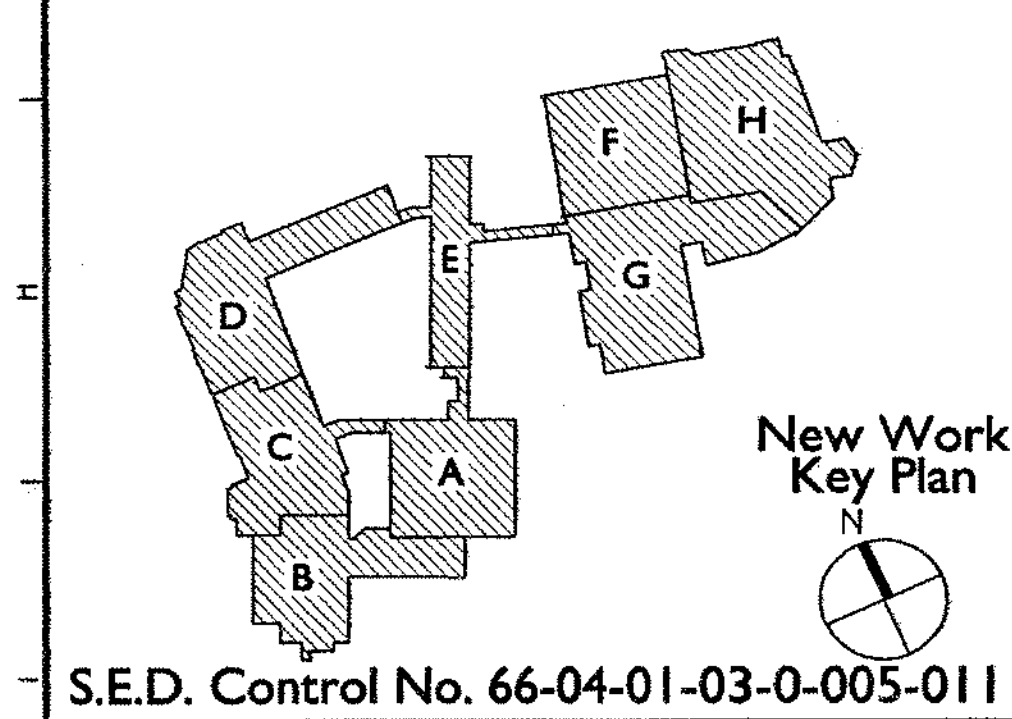
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Drawn by: DPM/cab	Date: 12-19-2005	Drawing No:
T+ Project No: 6060.1		H131

H131



- General Notes**
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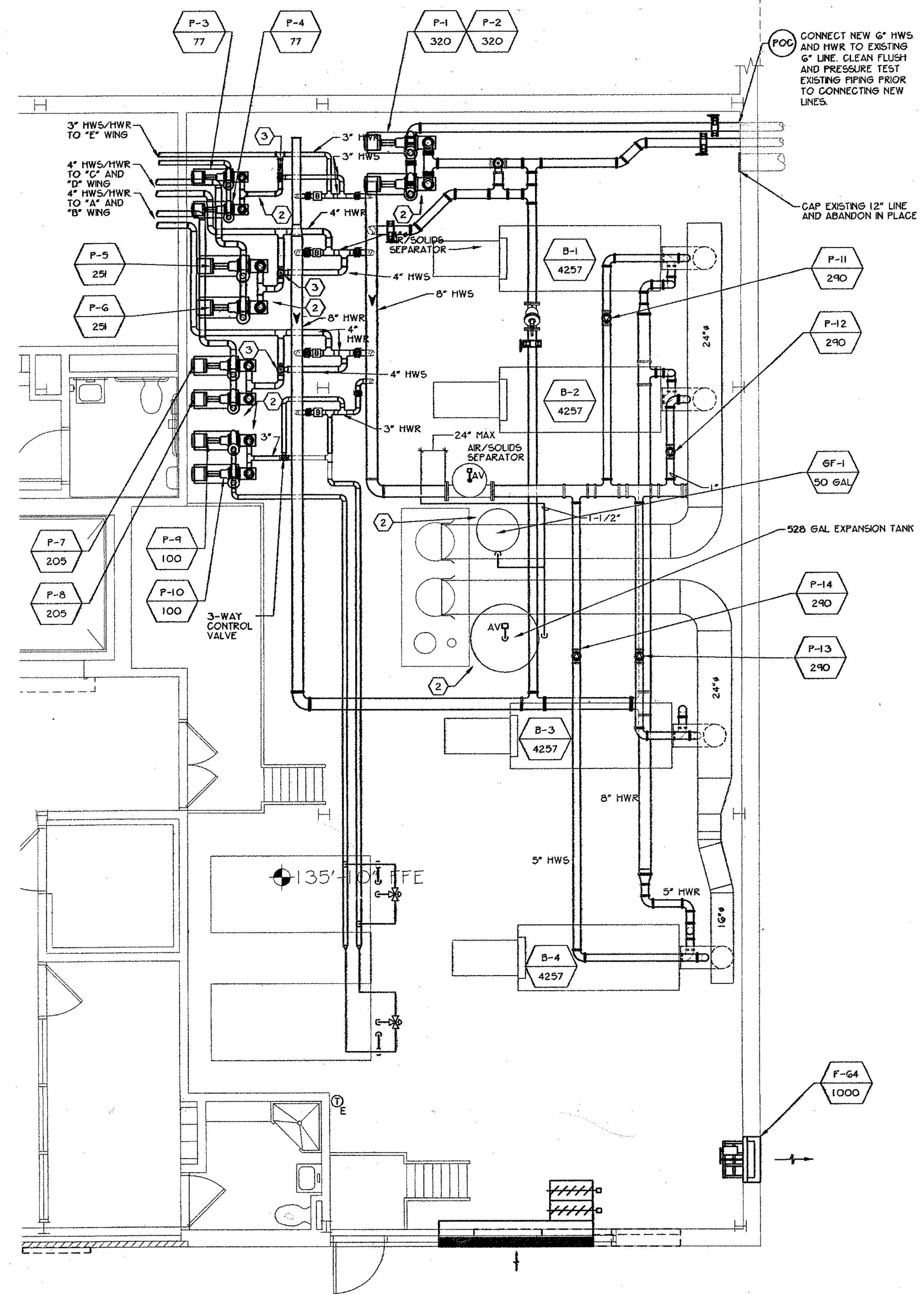
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Tarrytown Union Free School District
Sleepy Hollow, New York

Additions and Alterations to:
Sleepy Hollow School

Roof Plan		
Drawn by: DPW/ab	Date: 12/19/2005	Drawing No.:
T+ Project No.:		H132
6060.1		

3 Mechanical Room 905 Heating Hot Water Schematic
1/4" = 1'-0"



1 Detailed Boiler Room Plan
1/4" = 1'-0"

General Notes

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HVAC Notes

- CONNECT 1/6" DOUBLE WALL BREECHING INTO EXISTING MASONRY CHIMNEY. PROVIDE A NEW THIMBLE AND MAKE CONNECTION AIR TIGHT.
- 4" H REINFORCED CONCRETE PAD.
- 3-WAY CONTROL VALVE.
- CONNECT 2-1/2" HWS AND HWR LINE TO NEW DOMESTIC HOT WATER STORAGE TANK HEAT EXCHANGER. HEAT EXCHANGER PROVIDED AND INSTALLED BY THE P.C.

7,000 gallons

New Work Key Plan

S.E.D. Control No. 66-04-01-03-0-005-011

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Additions and Alterations to:
Sleepy Hollow School

Detailed Boiler Room Plan

Drawn by: DPM/cab	Date: 12-19-2005	Drawing No.:
T* Project No.:		H133
6060.1		

VAV BOX SCHEDULE - (VAV)

DWG LABEL	DWG NO.	UNIT LOCATION	SERVES	MODEL NO.	MAX CFM	MIN CFM	APD AT MAX CFM (IN WG)	# ROWS	EAT (CFM)	LAT (CFM)	CAPACITY (CMHB)	APD (IN WG)	LWT (CFM)	GPM	WPD (CFM)	NOTES	
VAV-1	H14	HS BIOLOGY D102	HS BIOLOGY D102	10	1220	450	0.53	02	55	121	32.28	0.53	160	160	3.63	2.16	1, 2, 3, 4
VAV-2	H14	CONFERENCE D103	CONFERENCE D103	08	600	550	0.34	02	55	100	26.64	0.34	160	160	3.24	0.86	1, 2, 3, 4
VAV-3	H14	DEPT STORAGE D108	DEPT OFFICE D108	08	750	625	0.50	02	55	100	30.50	0.50	160	160	4.26	1.41	1, 2, 3, 4
VAV-4	H14	OFFICE C101	OFFICE C101	05	150	100	0.03	01	55	113.4	6.33	0.03	160	160	1.0	1.9	1, 2, 3, 4
VAV-5	H14	OFFICE C102	OFFICE C102	05	150	100	0.03	01	55	113.4	6.33	0.03	160	160	1.0	1.9	1, 2, 3, 4
VAV-6	H14	OFFICE C102	OFFICE C102	05	200	150	0.05	01	55	100	7.32	0.05	160	160	0.84	1.43	1, 2, 3, 4
VAV-7	H14	GUIDANCE C103	GUIDANCE C103	06	375	300	0.36	02	55	116.9	20.14	0.36	160	160	2.26	16.63	1, 2, 3, 4
VAV-8	H14	OFFICE C111	TIME OUT ROOM C109	05	200	150	0.05	01	55	100	7.32	0.05	160	160	0.84	1.43	1, 2, 3, 4
VAV-10	H14	OFFICE C111	OFFICE C111	05	200	150	0.05	01	55	100	7.32	0.05	160	160	0.84	1.43	1, 2, 3, 4
VAV-11	H14	CONFERENCE C112	CONFERENCE C112	05	225	150	0.06	01	55	100	7.32	0.06	160	160	0.84	1.43	1, 2, 3, 4
VAV-12	H14	WORK RM C113	WORK RM C113	05	150	100	0.03	01	55	113.4	6.33	0.03	160	160	1.0	1.9	1, 2, 3, 4
VAV-13	H14	MS ADMIN C106	MS ADMIN C106	08	575	450	0.32	02	55	100	21.96	0.32	160	160	2.28	0.46	1, 2, 3, 4
VAV-14	H14	MS ADMIN C106	OFFICE D108	08	575	450	0.32	01	55	113.4	6.33	0.03	160	160	1.0	1.9	1, 2, 3, 4
VAV-15	H14	OFFICE D105	OFFICE D105	05	250	200	0.07	01	55	100	9.76	0.07	160	170	2.14	7.22	1, 2, 3, 4
VAV-16	H14	OFFICE D104	OFFICE D104	05	225	175	0.06	01	55	100	8.54	0.06	160	160	1.31	3.08	1, 2, 3, 4
VAV-18	H16	WORK ROOM B205	LIBRARY OFFICE B206	04	100	75	0.01	01	55	123	5.54	0.01	160	170	1.0	1.9	1, 2, 3, 4
VAV-19	H16	WORK ROOM B205	WORK ROOM B205	05	200	175	0.05	01	55	100	8.54	0.05	160	160	1.31	3.08	1, 2, 3, 4
VAV-20	H16	LIBRARY STORAGE B207	LIBRARY STORAGE B207	06	200	175	0.05	01	55	100	8.54	0.05	160	160	1.31	3.08	1, 2, 3, 4
VAV-21	H12	HS RESOURCE C308	CONTROL ROOM C307	08	400	275	0.17	02	55	100	13.42	0.17	160	150	1.14	0.15	1, 2, 3, 4
VAV-22	H12	HS RESOURCE C308	HS RESOURCE C308	10	1000	400	0.36	02	55	100	43.92	0.36	160	150	3.64	2.25	1, 2, 3, 4
VAV-23	H12	HS RESOURCE C308	PRODUCTION C306	08	600	325	0.34	02	55	100	15.86	0.34	160	150	1.45	0.21	1, 2, 3, 4
VAV-24	H12	PRODUCTION C306	HS LIBRARY C202	10	1000	800	0.38	02	55	100	39.04	0.38	160	150	2.92	1.45	1, 2, 3, 4
VAV-25	H12	COMPUTER CLRM C300	UPPER HS LIBRARY C202	24H6	3800	3500	0.61	02	55	100	170.81	0.61	160	160	19.24	15.84	1, 2, 3, 4
VAV-26	H12	OFFICE C301	OFFICE C301	05	200	175	0.05	01	55	100	8.54	0.05	160	160	1.31	3.08	1, 2, 3, 4
VAV-27	H16	LIBRARY STORAGE B207	MS LIB/MEDIA CNTR B204	10	1000	800	0.38	02	55	100	39.04	0.38	160	150	2.92	1.45	1, 2, 3, 4
VAV-28	H12	OFFICE D316	OFFICE D316	05	250	200	0.07	01	55	100	9.76	0.07	160	170	2.14	7.22	1, 2, 3, 4
VAV-29	H12	OUTSIDE OFFICE D315	OFFICE D315	05	225	175	0.06	01	55	100	8.54	0.06	160	160	1.31	3.08	1, 2, 3, 4
VAV-30	H12	ASSOC. PRINC. D316	ASSOC. PRINC. D316	08	575	325	0.32	02	55	100	15.86	0.32	160	150	1.45	0.21	1, 2, 3, 4
VAV-31	H12	OFFICE D314	OFFICE D314	06	300	200	0.16	01	55	100	9.76	0.16	160	170	2.14	7.22	1, 2, 3, 4
VAV-32	H12	DEPT OFFICE D313	PRINC. OFFICE D314	06	275	225	0.20	02	55	116.2	14.92	0.20	160	150	1.0	4.05	1, 2, 3, 4
VAV-33	H12	CONFERENCE D314	CONFERENCE D314	10	700	650	0.21	02	55	100	31.72	0.21	160	150	2.07	0.77	1, 2, 3, 4
VAV-34	H12	DEPT OFFICE D313	DEPT OFFICE D313	10	750	625	0.24	02	55	100	21.70	0.24	160	150	1.95	0.70	1, 2, 3, 4
VAV-35	H12	CONFERENCE D314	HS ADMIN D213	10	850	750	0.24	02	55	100	36.60	0.24	160	150	2.60	1.18	1, 2, 3, 4
VAV-36	H12	OUTSIDE OFFICE D315	CONFERENCE D212	08	500	450	0.25	02	55	100	21.96	0.25	160	160	2.28	0.46	1, 2, 3, 4
VAV-37	H30	CORRIDOR 641G	OFFICE 6402	05	100	60	0.01	01	55	112.3	4.98	0.01	160	160	0.50	0.98	1, 2, 3, 4
VAV-38	H30	CORRIDOR 641G	OFFICE 6406	05	200	100	0.05	01	55	113.4	6.33	0.05	160	160	1.0	1.9	1, 2, 3, 4
VAV-39	H30	CORRIDOR 641G	MEETING RM 6408	08	450	360	0.21	02	55	100	17.57	0.21	160	160	1.66	0.26	1, 2, 3, 4
VAV-40	H30	CORRIDOR 641G	OFFICE 6411	05	200	100	0.05	01	55	113.4	6.33	0.05	160	160	1.0	1.9	1, 2, 3, 4
VAV-41	H30	CORRIDOR 641G	OFFICE 6413	05	100	60	0.01	01	55	112.3	4.98	0.01	160	160	0.50	0.98	1, 2, 3, 4
VAV-42	H18	CHEM STOR D204	HS CHEMISTRY D205	10	1220	450	0.53	02	55	121	32.28	0.53	160	160	3.63	2.16	1, 2, 3, 4
VAV-43	H18	CHEM STOR D204	HS CHEMISTRY D203	10	1220	450	0.53	02	55	121	32.28	0.53	160	160	3.63	2.16	1, 2, 3, 4

- NOTES:
1. DESIGN BASIS: TRANE VCVF
2. PROVIDE BOTTOM ACCESS PANEL AND 1" FOIL FACED INSULATION.
3. PROVIDE TUC CONTROLLER, TYPE IS DDC, PRESSURE INDEPENDENT
4. SELECTION BASED ON 40% ETHYLENE GLYCOL SOLUTION
5. DESIGN BASIS: TRANE VCVF

VERTICAL UNIT VENTILATOR SCHEDULE - (VUV)

DWG LABEL	DWG NUM	UNIT LOCATION	MODEL	SA CFM	SA FAN SPEED	MIN O.A. CFM	HOT WATER COIL							SUPPLY FAN HP	EXHAUST FAN HP	ELECTRICAL V/PH	FLA	MCA	MOP	NOTES
							NO ROW	EAT °F	LAT °F	HDM CAP	GPM	PD (FT.)								
VUV-1	H16	HS CLRM B211	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-2	H16	HS CLRM B212	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-3	H17	HS CLRM C211	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-4	H17	HS CLRM C217	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-5	H17	HS CLRM C215	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-6	H18	HS CLRM D200	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-7	H18	HS CLRM D202	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-8	H18	HS CLRM D206	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-9	H21	HS CLRM B314	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-10	H21	HS CLRM B313	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-11	H21	6TH GRD CLRM B315	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-12	H22	HS CLRM C316	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-13	H22	HS CLRM C313	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-14	H22	HS CLRM C310	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-15	H22	HS CLRM C309	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-16	H22	HS CLRM C304	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-17	H23	HS CLRM D300	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-18	H23	HS CLRM D303	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-19	H23	HS CLRM D305	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-20	H24	HS CLRM E300	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-21	H24	HS CLRM E301	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-22	H24	HS CLRM E302	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-23	H24	HS CLRM E303	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-24	H24	HS CLRM E305	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-25	H24	HS CLRM E306	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-26	H24	FACULTY DINING E307	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-27	H25	FITNESS F306	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-28	H25	HEALTH CLRM F305	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-29	H28	HS CLRM E400	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-30	H28	HS CLRM E401	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-31	H28	HS CLRM E402	VUV-H	1000	MED	450	1	342	123	7.4	3.0	1.0	1/3	1/3	115/1	13.9	14.9	20	1, 3, 4, 5, 6,	
VUV-32	H28	HS CLRM E411	VUV-H	1500	HIGH	450	1	468	100	7570/4	3.0	1.0	1/2	1/3	115/1	151	16.4	20	1, 3, 4, 5, 6,	
VUV-33	H28	HS CLRM E406	VUV-H	1500	HIGH	450	1	468	100	7570/4	3.0	1.0	1/2	1/3	115/1	151	16.4	20	1, 3, 4, 5, 6,	

FAN SCHEDULE - (F)

DWG LABEL	DWG NO.	SERVES	TYPE	MODEL NO.	CFM	SP (IN WG)	SONES	RPM	TS (FPM)	OPENING (IN SQ)	DRIVE	BHP (KWATTS)	HP (KWATTS)	ELECTRICAL V/PH	NOTES
F-1	H15	AREA A TOILET EXHAUST	DOMEX	DX08B	350	1.0	9.8	1440	4417	12 x 12	BELT	0.221	1/4	115/1	1.2,4
F-2	H15	DARK ROOM A206	DOMEX	DX06B	130	0.5	4.9	1104	3215	12 x 12	BELT	0.074	1/4	115/1	1.2,4
F-3	H15	OFFICES A209 + A211	ZEPHYR	REX05J	100	0.13	4.3	2490	4016	---	DIRECT	42W	0.02	115/1	1
F-4	H15	TOILET A214	ZEPHYR	Z3HTDA	75	0.13	1.9	1550	1927	---	DIRECT	42W	0.02	115/1	1,5
F-5	H19	TOILET F200	ZEPHYR	Z3H	75	0.12	2.3	1550	1927	---	DIRECT	39W	0.02	115/1	1,5
F-6	H20	MS CAFETERIA EXHAUST	DOMEX	DX18	1500	0.10	7.8	933	3366	16 x 16	BELT	0.147	1/4	115/1	1,2
F-7	H20	CAFETERIA KITCHEN HOOD EXHAUST	FUMEX	FX06B	5775	0.5	7.9	364	3543	36 x 36	BELT	0.81	1/4	460/3	1,2
F-8	H20	ART ROOM EXHAUST	DOMEX	DX18B	1800	0.25	6.4	565	2764	20 x 20	BELT	0.144	1/4	115/1	1,2
F-9	H20	MS CAFETERIA EXHAUST	DOMEX	DX14B	2000	0.10	6.6	801	3329	16 x 16	BELT	0.142	1/4	115/1	1,2
F-10	H32	AREA B CLRM EXHAUST	DOMEX	DX18B	2700	0.16	6.4	543	3143	EXISTING	BELT	0.20	1/4	115/1	1,2
F-11	H32	AREA B CLRM EXHAUST	DOMEX	DX14B	1800	0.15	7.8	765	3179	16 x 16	BELT	0.13	1/4	115/1	1,2
F-12	H32	AREA B CLRM EXHAUST	DOMEX	DX14B	1500	0.15	6.6	674	2801	16 x 16	BELT	0.09	1/4	115/1	1,2
F-13	H32	TOILET EXHAUST B302, B307, B308	DOMEX	DX06B	675	0.15	6.4	1336	3308	12 x 12	BELT	0.126	1/4	115/1	1,2
F-14	H32	AREA B TOILET EXHAUST	DOMEX	DX06B	675	0.25	3.8	1085	3160	12 x 12	BELT	0.105	1/4	115/1	1,2
F-15	H32	AREA B CLASSROOM EXHAUST	DOMEX	DX18B	1950	0.25	7.7	594	2906	20 x 20	BELT	0.166	1/4	115/1	1,2
F-16	H32	ELECTRICAL ROOM B11 EXHAUST	DOMEX	DX06B	200	0.25	3.4	824	2414	12 x 12	BELT	0.038	1/4	115/1	1,2
F-17	H32	AREA B CLASSROOM EXHAUST	DOMEX	DX18B	1850	0.50	9.0	705	3449	20 x 20	BELT	0.273	1/3	115/1	1,2
F-18	H32	HS CLRM + PHYS CLRM + EARTH SCI GEN EXHAUST	DOMEX	DX24B	3645	0.50	8.5	567	3678	25 x 25	BELT	0.51	3/4	460/3	1,2
F-19	H32	TOILET G17	DOMEX	DX06B	200	0.25	3.4	824	2414	12 x 12	BELT	0.038	1/4	115/1	1,2
F-20	H32	NURSE G16	DOMEX	DX06B	310	0.25	3.4	900	2621	12 x 12	BELT	0.054	1/4	115/1	1,2
F-21	H32	LIBRARY EXHAUST	DOMEX	DX18B	1040	0.20	5.3	774	2792	16 x 16	BELT	0.092	1/4	115/1	1,2
F-22	H32	COMPUTER CLRM C300 EXHAUST	DOMEX	DX06B	450	0.10	3.8	810	2359	12 x 12	BELT	0.045	1/4	115/1	1,2
F-23	H32	GUIDANCE OFFICES EXHAUST	DOMEX	DX06B	300	0.25	3.8	893	2600	12 x 12	BELT	0.052	1/4	115/1	1,2
F-24	H32	MS ADMIN OFFICES EXHAUST	DOMEX	DX18B	520	0.25	3.3	646	2330	16 x 16	BELT	0.051	1/4	115/1	1,2
F-25	H32	AREA C CLASSROOM EXHAUST	DOMEX	DX06B	620	0.15	6.0	1072	3122	12 x 12	BELT	0.105	1/4	115/1	1,2
F-26	H32	BIOLOGY G19 EXHAUST	DOMEX	DX06B	460	0.15	4.3	843	2600	12 x 12	BELT	0.059	1/4	115/1	1,2
F-27	H32	BIOLOGY D10 EXHAUST	DOMEX	DX06B	460	0.15	4.3	843	2600	12 x 12	BELT	0.059	1/4	115/1	1,2
F-28	H32	HS CHEMISTRY D203 FUME HOOD EXHAUST	FUMEX	FX12BH	770	0.33	5.2	703	2921	16 x 16	BELT	0.079	1/4	115/1	1,2
F-29	H32	HS CHEMISTRY D203 EXHAUST	DOMEX	DX06B	460	0.15	4.3	843	2600	12 x 12	BELT	0.059	1/4	115/1	1,2
F-30	H32	HS CHEMISTRY D205 EXHAUST	DOMEX	DX06B	460	0.15	4.3	843	2600	12 x 12	BELT	0.059	1/4	115/1	1,2
F-31	H32	HS CHEMISTRY D205 FUME HOOD EXHAUST	FUMEX	FX12BH	770	0.33	5.2	703	2921	16 x 16	BELT	0.079	1/4	115/1	1,2
F-32	H32	BIOLOGY D102 FUME HOOD EXHAUST	FUMEX	FX12BH	770	0.33	5.2	703	2921	16 x 16	BELT	0.079	1/4	115/1	1,2
F-33	H32	BIOLOGY D102 EXHAUST	DOMEX	DX06B	460	0.15	4.3	843	2600	12 x 12	BELT	0.059	1/4	115/1	1,2
F-34	H32	AREA D TOILET EXHAUST	DOMEX	DX18B	1425	0.50	8.3	1131	4080	16 x 16	BELT	0.29	1/3	115/1	1,2
F-35	H32	AREA D ADMIN OFFICES EXHAUST	DOMEX	DX18B	1970	0.50	9.3	717	3507	20 x 20	BELT	0.292	1/3	115/1	1,2
F-36	H32	AREA D CLASSROOM EXHAUST	DOMEX	DX18B	900	0.10	3.4	623	2247	16 x 16	BELT	0.046	1/4	115/1	1,2
F-37	H32	AREA D TOILET EXHAUST	DOMEX	DX18B	1275	0.30	6.3	731	3038	16 x 16	BELT	0.116	1/4	115/1	1,2
F-38	H32	AREA D GUIDANCE OFFICES EXHAUST	DOMEX	DX06B	440	0.25	5.1	1005	2927	12 x 12	BELT	0.081	1/4	115/1	1,2
F-39	H32	AREA D CLASSROOM EXHAUST	DOMEX	DX18B	1350	0.10	3.5	398	1947	20 x 20	BELT	0.049	1/4	115/1	1,2
F-40	H24	FACULTY TOILETS E309 + E309	ZEPHYR	Z3HTDA	300	0.25	4.1	1550	2734	---	DIRECT	132W	1/2	115/1	1,2
F-41	H20	MS CAFETERIA EXHAUST	DOMEX	DX14B	2000	0.10	6.6	801	3329	16 x 16	BELT	0.172	1/4	115/1	1,2
F-42	H20	MS CAFETERIA EXHAUST	DOMEX	DX18B	1500	0.10	7.8	933	3366	16 x 16	BELT	0.147	1/4	115/1	1,2
F-43	H20	MS CAFETERIA EXHAUST	DOMEX	DX18B	1000	0.10	4.4	672	2424	16 x 16	BELT	0.057	1/4	115/1	1,2
F-44	H20	MS CAFETERIA EXHAUST	DOMEX	DX18B	1000	0.10	4.4	672	2424	16 x 16	BELT	0.057	1/4	115/1	1,2
F-45	H26	ELEC. ROOM 6308	ZEPHYR	Z3HTDA	220	0.184	2.1	1080	1855	---	DIRECT	75W	1/2	115/1	1,5,7
F-46	H26	TOILET ROOM EXHAUST	ZEPHYR	Z3H	75	0.153	2.6	1550	1927	---	DIRECT	39W	0.016	115/1	1,3
F-47	H26	OFFICES E407, E408, E409	ZEPHYR	Z3HTDA	130	0.268	2.1	1550	3130	---	DIRECT	83W	0.016	115/1	1
F-48	H32	AREA 6 2ND FLOOR	DOMEX	DX08B	535	0.20	4.7	94	2803	12 x 12	BELT	0.068	1/4	115/1	1,2,4
F-49	H32	LOCKER ROOMS AREA 6	DOMEX	DX18B	2610	0.23	8.5	610	3233	20 x 20	BELT	0.229	1/4	115/1	1,2,4
F-50	H30	TOILET G415	ZEPHYR	ZT	75	0.26	2.6	1200	1963	---	DIRECT	45W	0.022	115/1	1,3,5,6
F-51	H30	TOILET G404	ZEPHYR	ZT	75	0.26	2.6	1200	1963	---	DIRECT	45W	0.022	115/1	1,3,5,6
F-52	H30	ELEC. CLOSET G417	ZEPHYR	Z3HTDA	75	0.15	1.9	1550	1927	---	DIRECT	42W	0.016	115/1	1,5,7
F-53	H32	LOCKER ROOM EXHAUST	DOMEX	DX14B	1695	1.0	10.8	1204	5024	16 x 16	BELT	0.504	3/4	460/3	1,2,4
F-54	H32	REN CLRM E403 EXHAUST	DOMEX	DX06B	150	0.15	2.5	634	1861	12 x 12	BELT	0.017	1/4	115/1	1,2,4
F-55	H32	MACHINE ROOM B15	DOMEX	DX06B	100	0.5	4.8	1041	3177	12 x 12	BELT	0.068	1/4	115/1	1,2,4,7
F-56	H15	KITCHEN LOCKERS A213A + TOILET A213B	ZEPHYR	Z3HTDA	150	0.25	2.8	1550	2130	---	DIRECT	107W	0.027	115/1	1,6
F-57	H32	ELECTRIC ROOM B16	DOMEX	DX06B	200	0.5	10.2	1326	3296	12 x 12	BELT	0.088	1/4	115/1	1,2,4,7
F-58	H13	BCU-4 OA	ZEPHYR	Z3HTDA	200	0.18	2.2	1050	1855	---	DIRECT	75W	1/2	115/1	1,8
F-59	H20	DISHWASHER HOOD	FUMEX	FX08B	600	0.25	9.4	1140	4050	16 x 16	BELT	0.165	1/4	115/1	1,2,4,7
F-60	H32	MACHINE ROOM F302	DOMEX	DX06B	100	0.5	4.8	1041	3177	12 x 12	BELT	0.068	1/4	115/1	1,2,4,7
F-61	H27	TOILET H313	ZEPHYR	Z65	75	0.26	1.8	1050	1443	---	DIRECT	47W	0.03	115/1	1,3,6
F-62	H20	SPRAY BOOTH	FUMEX	FX13BHFT	775	1.1	8.7	967	4731	16 x 16	BELT	0.336	1/2	115/1	1,2,4
F-63	H20	KLN HOOD EXHAUST	DOMEX	DX18B	1500	1.0	10.2	1406	5078	16 x 16	BELT	0.56	3/4	460/3	1,2,4,7
F-64	H33	BOILER ROOM EXHAUST	BREEZE	BHM24B	1000	0.2	7.8	552	3612	32-3/4x32-3/4	BELT	0.163	1/4	115/1	1,2,7

NOTES:

- DESIGN BASIS: PENN VENTILATION
- TEMPERATURE CONTROL CONTRACTOR TO PROVIDE AUTOMATIC AIR DAMPER ACTUATOR AND ALL WIRING NECESSARY.

- PROVIDE MFR. STANDARD CEILING GRILLE.
- PROVIDE MFR. STANDARD ROOF CURB.
- PROVIDE FAN WITH SPEED CONTROLLER.

- PROVIDE MFR. STANDARD 0-60 MIN WALL TIME.
- FAN TO BE THERMOSTATICALLY CONTROLLED.
- FAN TO BE TIED INTO CONTROLS OF BCU.

INDOOR AIR HANDLING UNIT SCHEDULE - (AHU)

DWG LABEL	DWG NO.	UNIT LOCATION	SERVES	MODEL NO.	FAN ARR	SA CFM	MIN. OA	DISCH. ARR	ESP (IN WG)	RPM	BHP	ELECTRICAL HP	V/PH	NOTES
AHU-1	H129	GYM MECH F401	MS GYM F307	017	FC	8000	1450	FRONT TOP	2.0	1914	6.7	7/12	460/3	1,2
AHU-2	H129	GYM MECH F401	MS GYM F307	017	FC	8000	1450	TOP BACK	2.0	1914	6.7	7/12	460/3	1,2
AHU-3	H130	GYM MECH G417	GYM G310	017	FC	9500	1525	TOP BACK	1.5	843	6.5	7/12	460/3	1,2
AHU-4	H130	GYM MECH G418	GYM G310	012	FC	9500	1525	TOP BACK	1.5	843	6.5	7/12	460/3	1,2
AHU-5	H129	GYM MECH F401	WT. RM. F400	08	FC	2500	700	TOP FRONT	1.5	1569	1.74	2	460/3	1,2
AHU-6	H130	CORRIDOR G416	OFFICES	03	---	1050	535	FRONT TOP	1.5	203	0.677	3/4	460/3	1,2,3
AHU-7	H131	MECH H402	AUD LOBBY H301	10	FC	4800	2800	FRONT TOP	1.6	1353	3.2	5	460/3	1,2
AHU-8	H131	MECH H402	MUSIC ROOMS	14	FC	7600	3400	FRONT TOP	1.5	1087	6.7	7/12	460/3	1,2,3
AHU-9	H131	MECH H402	STAGE	06	FC	3100	1120	FRONT TOP	1.0	1817	2.95	3	460/3	1,2,3
AHU-10	H131	MECH H402	AUDITORIUM	30	FC	15000	9300	FRONT TOP	1.6	851	16.7	20	460/3	1,2,3

NOTES:

- DESIGN BASIS: TRANE MCC SERIES
- MINIMUM CFM REFLECTS 50% REDUCTION IN OUTDOOR AIR VENTILATION RATE BASED ON LESS THAN THREE HOUR CONTINUOUS OCCUPANCY, PER ASHRAE STANDARD 62-1999, 61.3.4.
- PROVIDE SUPPLY FAN WITH VARIABLE SPEED DRIVE.

AHU COIL SCHEDULE

DWG LABEL	DWG NO.	HEATING DATA										COOLING DATA										NOTES	
		NO. ROWS	EAT (°F)	LAT (°F)	CAPACITY (MBH)	APD (IN WG)	EWT (°F)	LWT (°F)	GPM	WPD (FT HD)	NO. ROWS	EDB (°F)	EWB (°F)	LDB (°F)	LWB (°F)	TC (MBH)	SC (MBH)	APD (IN WG)	EWT (°F)	LWT (°F)	GPM		
AHU-1	H129	1	55.0	95.0	347.0	0.13	180	150	231	1.47	---	---	---	---	---	---	---	---	---	---	---	---	1, 2, 3
AHU-2	H129	1	55.0	95.0	347.0	0.13	180	150	231	1.47	---	---	---	---	---	---	---	---	---	---	---	---	1, 2, 3
AHU-3	H130	1	57.5	95.0	386.4	0.24	180	150	25.8	0.83	---	---	---	---	---	---	---	---	---	---	---	---	1, 2, 3
AHU-4	H130	1	57.5	95.0	386.4	0.24	180	150	25.8	0.83	---	---	---	---	---	---	---	---	---	---	---	---	1, 2, 3
AHU-5	H129	2	51.5	100	131.5	0.18	180	150	14.8	4.83	---	---	---	---	---	---	---	---	---	---	---	---	1, 2, 3
AHU-6	H130	1	35.3	107.9	34.27	0.10	180	150	2.7	0.1	4	79.5	66.3	56.74	33.23	26.29	---	---	---	---	---	---	1, 2, 3
AHU-7	H131	1	32.3	100	35.61	0.22	180	150	23.7	16.6	4	---	---	---	---	---	---	---	---	---	---	---	1, 2, 3
AHU-8	H131	1	3.91	64.1	205.8	0.09	180	150	13.7	0.56	6	---	---	---	---	---	---	---	---	---	---	---	1, 2, 3
AHU-9	H131	1	46.2	100	180.67	0.36	180	150	13.98	41.9	6	77.9	66.6	55.0	54.8	112.8	78.0	0.9%	---	---	---	---	1, 2, 3, 4
AHU-10	H131	1	28.3	89.90	108.50	0.18	180	150	72.3	3.9	6	60.6	70.8	57.0	56.7	70.57	34.25	---	---	---	---	---	1, 2, 3, 4

BOILER/BURNER SCHEDULE																			
BOILER										BURNER									
DWG LABEL	DWG NUM.	UNIT LOCATION	TYPE	MODEL	HEATED MEDIUM	OUTPUT MBH (GROSS)	FUEL TO MEDIUM EFFICIENCY	BREECING SIZE (INCHES Ø)	ASME WORKING PRESSURE (PSI)	BURNER MFG.	BURNER MODEL	FUEL INPUT OIL GPH (#2)	GAS CFH	IGNITION	ELECTRICAL				NOTES
															V/PH	FAN HP	COMP. HP		
B-1	H133	BOILER RM A214	SEC. CI	6TE 520	40Z ETHYLENE GLYCOL	4257	85.2%	16"	83 PSI	LC	DLG-54	34.5	4474	6/E INT. PILOT	460/3Ø	3	1/2	1, 2, 3, 4	
B-2	H133	BOILER RM A214	SEC. CI	6TE 520	40Z ETHYLENE GLYCOL	4257	85.2%	16"	83 PSI	LC	DLG-54	34.5	4474	6/E INT. PILOT	460/3Ø	3	1/2	1, 2, 3, 4	
B-3	H133	BOILER RM A214	SEC. CI	6TE 520	40Z ETHYLENE GLYCOL	4257	85.2%	16"	83 PSI	LC	DLG-54	34.5	4474	6/E INT. PILOT	460/3Ø	3	1/2	1, 2, 3, 4	
B-4	H133	BOILER RM A214	SEC. CI	6TE 520	40Z ETHYLENE GLYCOL	4257	85.2%	16"	83 PSI	LC	DLG-54	34.5	4474	6/E INT. PILOT	460/3Ø	3	1/2	1, 2, 3, 4	
NOTES: 1. BASIS OF DESIGN: DeDietrich BOILERS 2. PROVIDE CONCRETE BOILER PAD PER SPECIFICATIONS. 3. PROVIDE FULL MODULATING CONTROL ON ALL BURNERS. 4. PROVIDE COMPLETE WITH NEW AIR ATOMIZING COMPRESSOR BY BURNER MANUFACTURER, WIRED IN FIELD BACK TO SINGLE POINT OF POWER CONNECTION BY MC.																			

CHILLER SCHEDULE - (CH)																			
DWG LABEL	DWG NO.	UNIT LOCATION	MODEL NO.	CHILLER TYPE	COMPRESSOR NO. / TYPE	COOLING CAPACITY (TONS)	UNIT KW	EWT (°F)	LWT (°F)	CHILLER MEDIUM	EVAPORATOR PRESSURE DROP (ft. wg)	EVAPORATOR FLOW RATE (gpm)	EFFICIENCY		ELECTRICAL			NOTES	
													EER	IPLV	V/PH	MCA	MOP		# CONN.
CH-1	H132	ROOF - AREA D	RTAC080	AIR COOLED	2 / ROTARY	79.7	65.4	54	44	WATER	12.0'	118.3	10.2	13.2	460/3	160	200	1	1, 2
						79.4	63.1	55	45		40Z E.G.	17.0'	211						
NOTES: 1. DESIGN BASIS: TRANE 2. UNIT SELECTION BASED ON BOTH ARI CONDITIONS WITH WATER AND OPERATING CONDITIONS WITH 40Z ETHYLENE GLYCOL.																			

GLYCOL FILL STATION SCHEDULE - (GF)										NOTES
DWG LABEL	UNIT LOCATION	SYSTEM SERVED	MODEL NO.	MAKE-UP CAPACITY (GPM @ PSID)	PRESSURE RANGE (PSID)	SOLUTION CONTAINER (GAL)	MOTOR DATA			
							V/PH	HP		
GF-1	BOILER ROOM A214	HOT WATER LOOP	6-50-1A	1.8 @ 50	10-50	50	120/1	1/3	1, 2	
GF-2	STORAGE D301	CHILLED WATER LOOP	6-50-1A	1.8 @ 50	10-50	50	120/1	1/3	1, 2	
NOTES:										
1. BASIS OF DESIGN: NEPTUNE CHEMICAL PUMP CO. OTHER ACCEPTABLE MANUFACTURERS: WESSLES COMPANY										
2. REFER TO PLANS, DETAILS AND SCHEDULES FOR MORE INFORMATION.										

PUMP SCHEDULE - (P)																	
DWG LABEL	DWG NUM	UNIT LOCATION	SYSTEM SERVED	SERIES/ MODEL NO.	SIZE	GPM	WPD (FT HD)	MAX. OPER. TEMP (°F)	MIN. EFF. %	SUCTION CONNECTION (IN)	DISCHARGE CONNECTION (IN)	RPM	BHP	ELECTRICAL		NOTES	
														HP	V/PH		
P-1	H133	MECH ROOM 100 - AREA A	AREA F/G/H HW	1510	3BC	320	65	230	75.7	4	3	1750	717	10	460/3	1, 3	
P-2	H133	MECH ROOM 100 - AREA A	AREA F/G/H HW	1510	3BC	320	65	230	75.7	4	3	1750	703	10	460/3	1, 3	
P-3	H133	MECH ROOM 100 - AREA A	AREA E HW	1510	2AC	77	35	230	61	2.5	2	1750	11	1.5	460/3	1, 3	
P-4	H133	MECH ROOM 100 - AREA A	AREA E HW	1510	2AC	77	35	230	61	2.5	2	1750	11	1.5	460/3	1, 3	
P-5	H133	MECH ROOM 100 - AREA A	AREA C/D HW	1510	2-1/2BB	251	78	230	76.45	3	2.5	1750	6.47	10	460/3	1, 3	
P-6	H133	MECH ROOM 100 - AREA A	AREA C/D HW	1510	2-1/2BB	251	78	230	76.45	3	2.5	1750	6.47	10	460/3	1, 3	
P-7	H133	MECH ROOM 100 - AREA A	AREA A/B HW	1510	2-1/2BB	200	55	230	73.5	3	2.5	1750	4.31	5	460/3	1, 3	
P-8	H133	MECH ROOM 100 - AREA A	AREA A/B HW	1510	2-1/2BB	200	55	230	73.5	3	2.5	1750	4.31	5	460/3	1, 3	
P-9	H133	MECH ROOM 100 - AREA A	DOMESTIC HW	1510	2AC	100	30	230	64	2-1/2	2	1150	1.33	2	460/3	1	
P-10	H133	MECH ROOM 100 - AREA A	DOMESTIC HW	1510	2AC	100	30	230	64	2-1/2	2	1150	1.33	2	460/3	1	
P-11	H133	MECH ROOM 100 - AREA A	BOILER B1	SERIES 80	5x5x7	290	19	230	80	5	5	1150	1.75	2	460/3	1, 3	
P-12	H133	MECH ROOM 100 - AREA A	BOILER B2	SERIES 80	5x5x7	290	19	230	80	5	5	1150	1.75	2	460/3	1, 3	
P-13	H119	MECHANICAL ROOM F101	BOILER B3	SERIES 80	5x5x7	290	19	230	80	5	5	1150	1.75	2	460/3	1, 3	
P-14	H119	MECHANICAL ROOM F101	BOILER B4	SERIES 80	5x5x7	290	19	230	80	5	5	1150	1.75	2	460/3	1, 3	
P-15	H123	STORAGE D301	PRIMARY CW	SERIES 1510	2-1/2BB	220	70	100	75.5	3	2.5	1750/V5	5.5	7.5	460/3	1, 3	
P-16	H123	JAN. CLOSET D307	PRIMARY CW	SERIES 1510	2-1/2BB	220	70	100	75.5	3	2.5	1750/V5	5.5	7.5	460/3	1, 3	
P-17	H14	DATA D101	COND PUMP	VCMA-1SULS	-	65 GPH	-	120	-	-	-	3/8" BARB	-	-	1/50	115/1	2
P-18	H18	STOR D244	COND PUMP	VCMA-1SULS	-	65 GPH	-	120	-	-	-	3/8" BARB	-	-	1/50	115/1	2
P-19	H27	DATA CLOSET H305A	COND PUMP	VCMA-1SULS	-	65 GPH	-	120	-	-	-	3/8" BARB	-	-	1/50	115/1	2
P-20	H28	STOR E404	COND PUMP	VCMA-1SULS	-	65 GPH	-	120	-	-	-	3/8" BARB	-	-	1/50	115/1	2
P-21	H30	GYM MECH RM 6419	HW RECIRC	SERIES 60	2X5-1/4	26	10	230	38.6	2	2	1750	0.18	1/2	115/1	1	
P-22	H30	GYM MECH RM 6418	HW RECIRC	SERIES 60	2X5-1/4	26	10	230	38.6	2	2	1750	0.18	1/2	115/1	1	
P-23	H28	HS RES D301	COND PUMP	VCMA-1SULS	-	65 GPH	-	120	-	-	-	3/8" BARB	-	-	1/50	115/1	2
NOTES: 1. DESIGN BASIS: BELL AND GOSSETT, SELECTED WITH 40Z ETHYLENE GLYCOL SOLUTION. 2. DESIGN BASIS: LITTLE GIANT VCMA SERIES 3. PROVIDE WITH VARIABLE SPEED DRIVE. REFER TO SECTION 15055 FOR DETAILS.																	

AIR CONDITIONING UNIT SCHEDULE - (ACU)																		
DWG LABEL	DWG NO.	UNIT LOCATION	MODEL NO.	SA CFM	MN OA	OA CONN (IN)	FAN SPEED	FACE DIMENSION (IN x IN)	UNIT HEIGHT (IN)	COOLING DATA				ELECTRICAL				NOTES
										EDB (°F)	EWB (°F)	AMB (°F)	TC (MBH)	SC (MBH)	FLA	V/PH	MCA	
ACU-1	H114	DATA CLOSET D109	MCW-51	205	-	-	MED	10-3/4 x 30-7/8	7-3/8	76	62	85	12.83	8.65	0.2	230/1	15	1
ACU-2	H115	TELECOM A216	MCW-51	205	-	-	MED	10-3/4 x 30-7/8	7-3/8	76	62	85	12.83	8.65	0.2	230/1	15	1
ACU-3	H122	DATA CLOSET C305	MCW-51	205	-	-	MED	10-3/4 x 30-7/8	7-3/8	76	62	85	12.83	8.65	0.2	230/1	15	1
ACU-4	H122	SERVER CLOSET C303	MCW-53	848	-	-	HIGH	14-3/16 x 66-9/16	7-7/8	76	62	85	31.47	21.72	0.4	230/1	15	1
ACU-5	H126	DATA CLOSET 6307A	MCW-51	205	-	-	MED	10-3/4 x 30-7/8	7-3/8	76	62	85	12.83	8.65	0.2	230/1	15	1
ACU-6	H127	DATA CLOSET H305A	MCW-51	205	-	-	MED	10-3/4 x 30-7/8	7-3/8	76	62	85	12.83	8.65	0.2	230/1	15	1
ACU-7	H116	DATA CLOSET D244	MCW-51	205	-	-	MED	10-3/4 x 30-7/8	7-3/8	76	62	85	12.83	8.65	0.2	230/1	15	1
ACU-8	H121	RESOURCE B303	HLP-40	400	150	-	HIGH	--	10	80	67	95	12.62	8.67	1.4	208/1	15	2
ACU-9	H128	DATA CLOSET E404	MCW-51	205	-	-	MED	10-3/4 x 30-7/8	7-3/8	76	62	85	12.83	8.65	0.2	230/1	15	1
ACU-10	H122	SERVER CLOSET C303	MCW-53	848	-	-	HIGH	14-3/16 x 66-9/16	7-7/8	76	62	85	31.47	21.72	0.4	230/1	15	1
NOTES: 1. DESIGN BASIS: TRANE 2. DESIGN BASIS: ENVIRO-TEC																		

REMOTE CONDENSING UNIT SCHEDULE - (RCU)																
DWG LABEL	DWG NO.	SERVES	MODEL NO.	REFRIG.	SUCTION SIZE (IN)	LIQUID SIZE (IN)	NOMINAL CAPACITY (TONS)	OUTDOOR COMPRESSORS NO.	OUTDOOR CONDENSOR FAN(S) TYPE	DRIVE TYPE	SEER (EER)	MCA	MOP	V/PH	NOTES	
RCU-1	H132	BCU-12	2TTB2062A100	R22	1 1/8	3/8	5.0	1	SCROLL	I	DIRECT	--	38	60	460/3	1,2,3,4,5,6,7,8
RCU-2	H132	BCU-13	2TTB2062A100	R22	1 1/8	3/8	5.0	1	SCROLL	I	DIRECT	--	38	60	460/3	1,2,3,4,5,6,7,8
RCU-3	H132	ACU-3	TTB012C100A	R22	5/8	1/4	1.0	1	SCROLL	I	DIRECT	11.2	11	15	208/1	1,2,3,4,5,6,7,8
RCU-4	H132	AHU-6	2TTB3030	R22	5/8	3/8	2.5	1	SCROLL	I	DIRECT	12.5	188	15	208/1	1,2,3,4,5,6,7,8
RCU-5	H132	AHU-10	RAUCG604	R22	(2) 2-1/8	(2) 7/8	60	4	SCROLL	I	DIRECT	10.3	123	125	460/3	1,2,3,4,5,6,7,8
RCU-6	H132	AHU-9	TTB1208	R22	1-1/8	3/8	10	2	SCROLL	I	DIRECT	10.3	23.9	30	460/3	1,2,3,4,5,6,7,8
RCU-7	H132	BCU-1	2TTB2010A	R22	5/8	1/4	1.5	1	SCROLL	I	DIRECT	13.5	10	15	208/1	1,2,3,4,5,6,7,8
RCU-8	H132	BCU-2	2TTB2010A	R22	5/8	1/4	1.5	1	SCROLL	I	DIRECT	13.5	10	15	208/1	1,2,3,4,5,6,7,8
RCU-9	H132	ACU-1	TTB012C100A	R22	5/8	1/4	1.0	1	SCROLL	I	DIRECT	11.2	11	15	208/1	1,2,3,4,5,6,7,8
RCU-10	H120	ACU-2	TTB012C100A	R22	5/8	1/4	1.0	1	SCROLL	I	DIRECT	11.2	11	15	208/1	1,2,3,4,5,6,7,8
RCU-11	H132	ACU-4	2TTB0036A1000A	R22	7/8	3/8	3.0	1	SCROLL	I	DIRECT	10.2	20	35	208/1	1,2,3,4,5,6,7,8
RCU-12	H132	ACU-5	TTB012C100A	R22	5/8	1/4	1.0	1	SCROLL	I	DIRECT	11.2	11	15	208/1	1,2,3,4,5,6,7,8
RCU-13	H131	ACU-6	TTB012C100A	R22	5/8	1/4	1.0	1	SCROLL	I	DIRECT	11.2	11	15	208/1	1,2,3,4,5,6,7,8
RCU-14	H132	ACU-7	TTB012C100A	R22	5/8	1/4	1.0	1	SCROLL	I	DIRECT	11.2	11	15	208/1	1,2,3,4,5,6,7,8
RCU-15	H132	ACU-8	H524-012	R22	5/8	3/8	1.0	1	SCROLL	I	DIRECT	--	7.3	15	208/1	1,2,3,4,5,6,7,8,9
RCU-16	H132	ACU-9	TTB012C100A	R22	5/8	1/4	1.0	1	SCROLL	I	DIRECT	11.2	11	15	208/1	1,2,3,4,5,6,7,8
RCU-17	H132	ACU-10	2TTB0036A1000A	R22	7/8	3/8	3.0	1	SCROLL	I	DIRECT	10.2	20	35	208/1	1,2,3,4,5,6,7,8
NOTES: 1. DESIGN BASIS: TRANE TTB SERIES 2. PROVIDE BRAZED TUBING REFRIGERENT LINE SETS AND COUPLINGS. 3. PROVIDE LOW AMBIENT OPERATION BELOW 0°F. 4. PROVIDE INTERNAL THERMAL PROTECTION. 5. PROVIDE DEFROST CONTROLS. 6. FIELD CHARGE REFRIGERENT FOR SUPPLY LINE, CONDENSER AND COILS. 7. VERIFY LINE SIZES WITH MANUFACTURER. 8. WIRING BETWEEN INDOOR/OUTDOOR UNITS. 9. DESIGN BASIS: LENNOX																

LOUVER SCHEDULE - (L)													
DWG LABEL	DWG NUM.	SERVES	MODEL NO.	TYPE	LENGTH (IN)	HEIGHT (IN)	DEPTH (IN)	FREE AREA (SF)	CFM	VELOCITY (FPM)	MAX APD (IN WG)	MOUNTING HEIGHT A.F.F.	NOTES
L-1	--	VARIABLES	ELCG375DAX	NTAKE	12	18	G	0.48	200	417	0.02		1, 2, 3, 4, 5
L-2	--	UNIT VENTILATORS --	--	NTAKE	48	10-3/8	2-1/8	--	VARIABLES	VARIABLES	0.05		1, 2, 5
L-3	H113	BCU-2	ELCG375DAX	NTAKE	24	12	G	0.69	330	--	--		1, 2, 3, 4, 5
L-4	H113	UV CLRM B117	ELCG375DAX	NTAKE	24	18	G	1.06	450	425	0.03		
L-5	H114	BCU-B	ELCG375DAX	NTAKE	30	12	G	0.93	360	408	0.02		
L-6	--	UNIT VENTILATORS	--	NTAKE	60	10-3/8	2-1/8	--	VARIABLES	VARIABLES	--		1, 2, 5
L-7	H116	BCU-11	ELCG375DAX	NTAKE	24	24	G	1.52	700	400	0.03		1, 3, 4, 5
L-8	--	VARIABLES	BW100	NTAKE	16-1/2	4-3/4	4	0.21	VARIABLES	VARIABLES	--		1, 3, 4, 5
L-9	--	VARIABLES	BW100	NTAKE	24	4-3/4	4	0.31	VARIABLES	VARIABLES	--		1, 3, 4, 5
L-10	--	VARIABLES	BW100	INTAKE/EXHAUST	12	4-3/4	4	0.15	75	500	--		1, 3, 4, 5
L-11	H124	F-40	ELCG375DAX	EXHAUST	18	18	G	0.77	300	340	0.02		1, 3, 4, 5
L-12	--	VARIABLES	BW100	EXHAUST	12	7-3/4	4	0.25	VARIABLES	VARIABLES	--		1, 3, 4, 5
L-13	H130	AMU-3 / AMU-4	ELCG375DAX	INTAKE	80	44	G	11.49	4750	413	0.04		1, 3, 4, 5, 7
L-14	H130	F--	BW100	EXHAUST	8-1/8	4-3/4	4	0.10	75	720	--		1, 3, 4, 5
L-15	H130	BCU-15	ELCG375DAX	NTAKE	24	18	G	1.06	450	425	0.03		1, 3, 4, 5
NOTES:													
1. DESIGN BASED: RUSKIN					4. DAMPER SHALL INCLUDE ELECTRONIC					6. LOUVER TO BE PROVIDED BY UV MANUFACTURER.			
2. PROVIDE WITH KYMAR FINISH.					ACTUATOR FOR AUTOMATIC DAMPER.					7. LOUVER SHALL BE SIZED TO FIT WITHIN WINDOW			
3. PROVIDE WITH ALUMINUM BDRSCREEN IN REMOVABLE FRAME.					5. COLOR TO BE SELECTED BY ARCHITECT.					FRAME PROVIDE.			