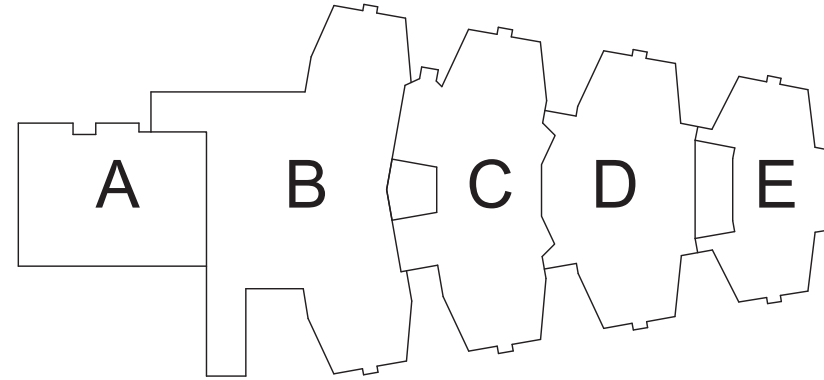


1 First Floor Key Plan
1" = 20'-0"

GENERAL NOTES:

1. FOR GENERAL NOTES SEE DRAWING AM050



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.: Date: Description:



complex world
CLEAR SOLUTIONS

Tetra Tech Engineers, Architects
& Landscape Architects, P.C.

BID SET



Mahopac Central School District
Mahopac, NY

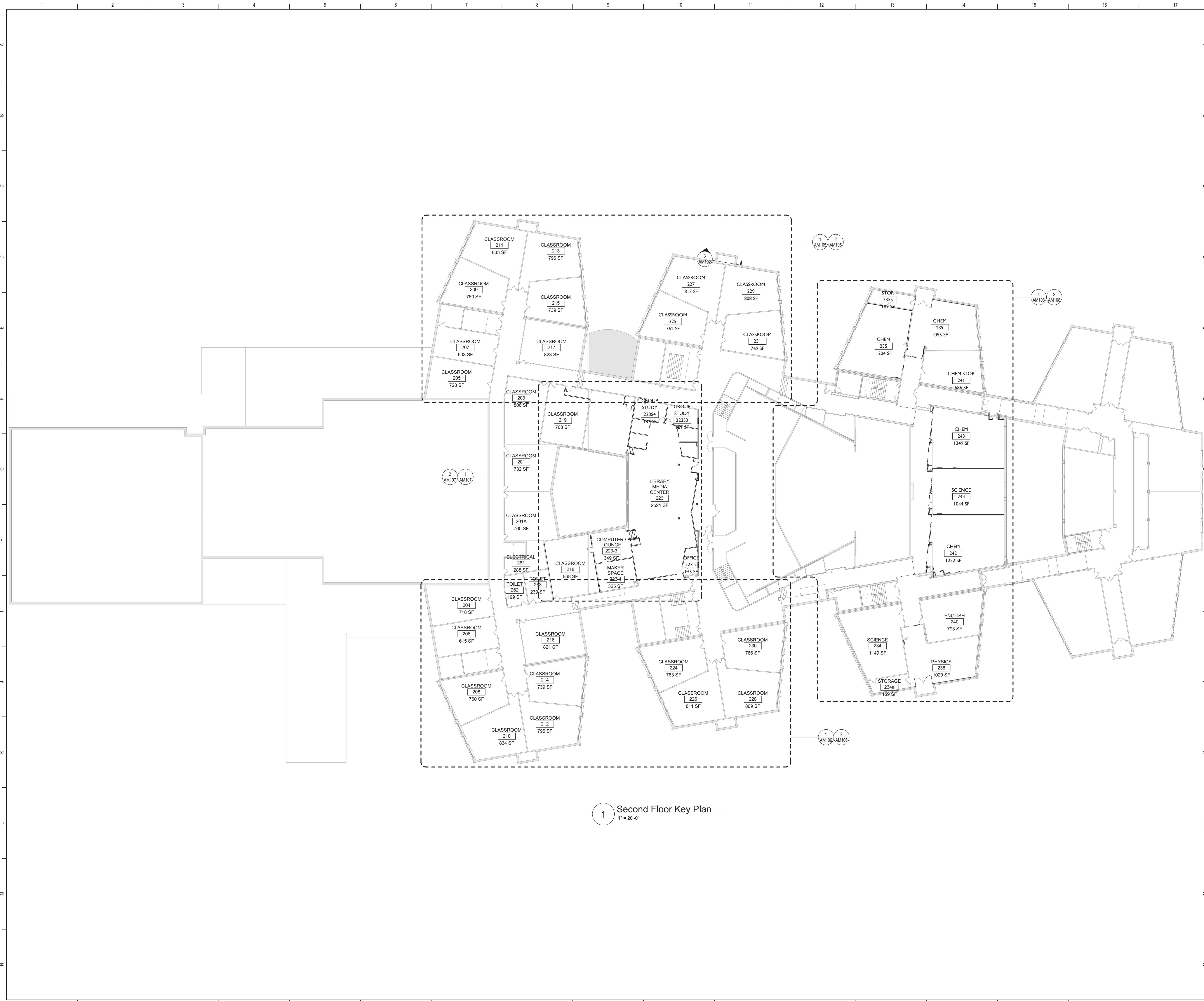
Reconstruction To:
Mahopac High School

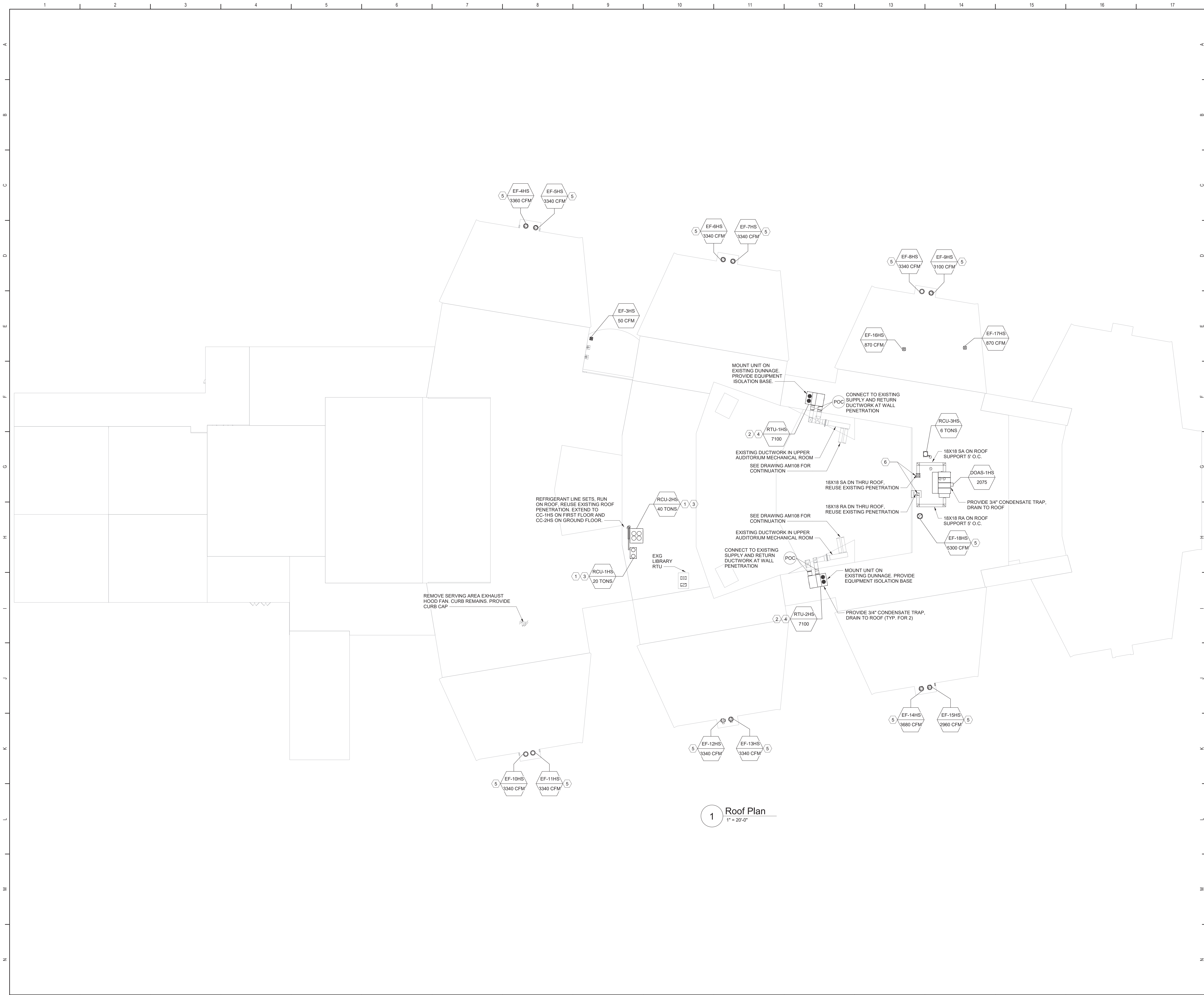
First Floor Key Plan

Drawn By: DPM/jtk Date: 8/21/20 Drawing Number:

Project No.:
121111-19002

AM051



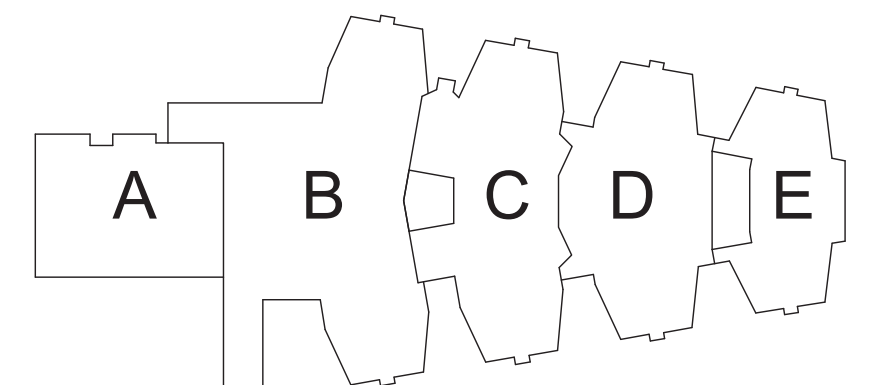


GENERAL NOTES:

1. FOR GENERAL NOTES SEE DRAWING AM050

KEYED NOTES

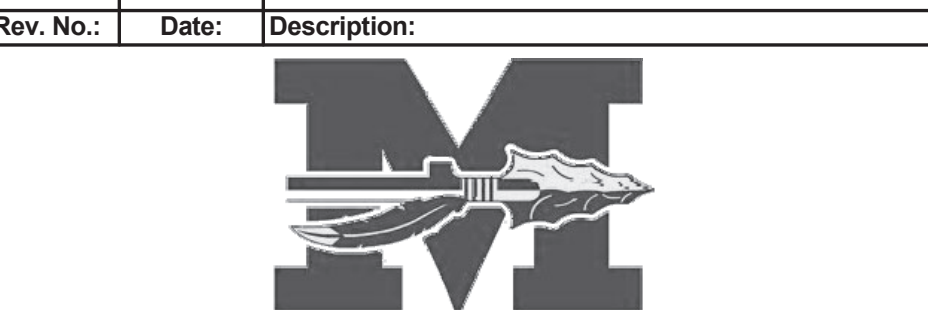
- 1 REMOVE AIR COOLED CONDENSING UNIT AND CONNECTED REFRIGERANT TUBING.
- 2 REMOVE ROOF TOP UNIT. DISCONNECT SUPPLY AND RETURN DUCTWORK FROM WALL PENETRATION TO UNIT OPENINGS. EXISTING DUNNAGE REMAINS.
- 3 MOUNT AIR COOLED CONDENSING UNIT ON BASE MOUNTING RAIL EXTEND REFRIGERANT TUBING TO RESPECTIVE DX COOLING COIL.
- 4 MOUNT ROOF TOP UNIT ON EXISTING DUNNAGE. EXTEND SUPPLY AND RETURN FROM UNIT AND CONNECT TO EXISTING DUCTWORK. INSULATE DUCTWORK AS REQUIRED IN SPECIFICATION.
- 5 REMOVE EXHAUST FAN AND CURB. INSTALL NEW FAN AND CURB. MODIFY ROOF PENETRATION AS REQUIRED TO COMPLETE WORK.
- 6 REMOVE INTAKE/EXHAUST HOOD. REMOVE INTAKE/EXHAUST DAMPER AND ASSOCIATED CONTROLS.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

| Rev. No. | Date | Description |
|----------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |



complex world | CLEAR SOLUTIONS

Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

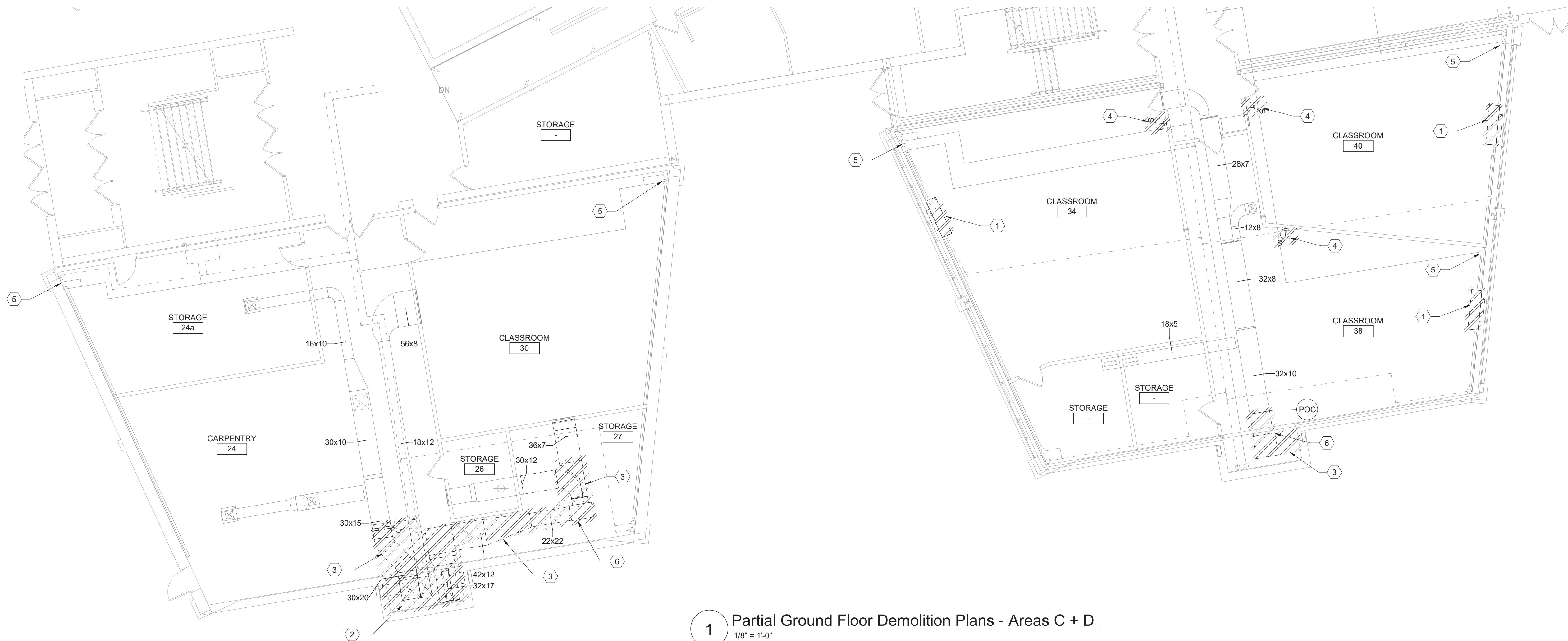


Mahopac Central School District
Mahopac, NY

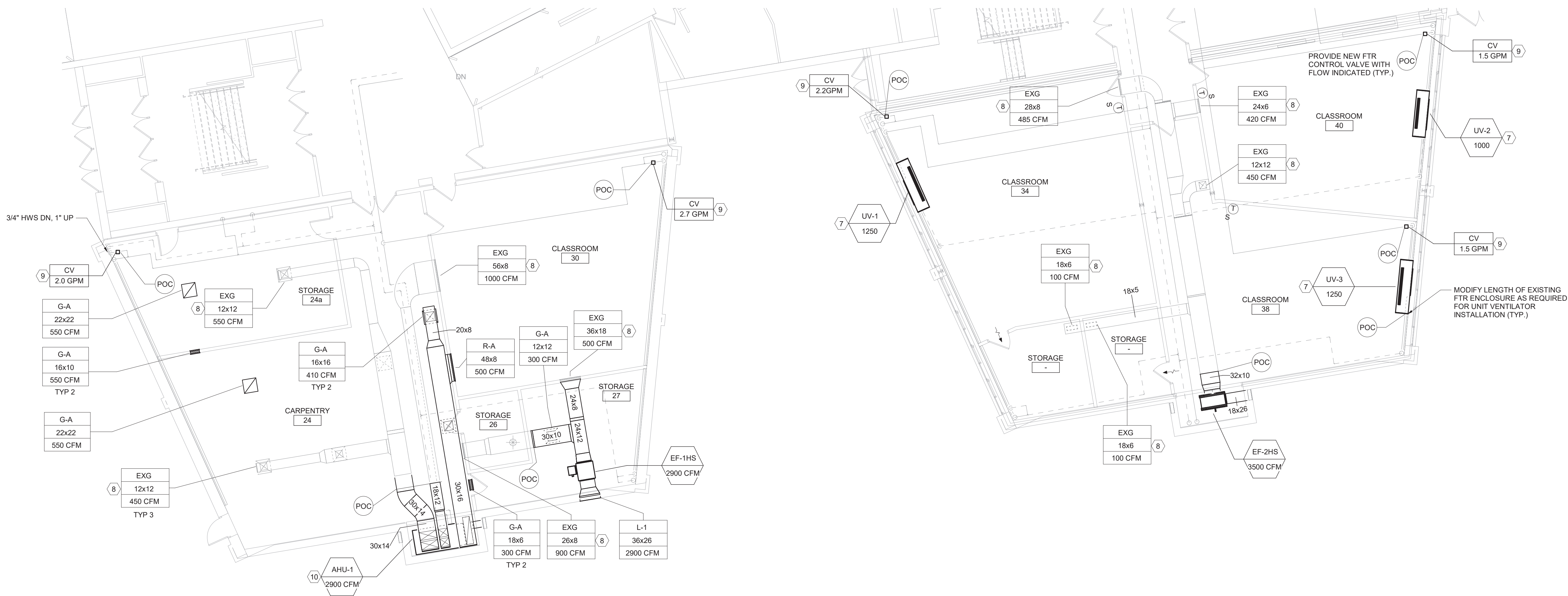
Reconstruction To:
Mahopac High School

Roof Plan

| | | |
|------------------------------|------------------|-----------------|
| Drawn By: DPM/jtk | Date: 8/21/20 | Drawing Number: |
| Project No.: 121111-19002 | AM053 | |



1 Partial Ground Floor Demolition Plans - Areas C + D
1/8" = 1'-0"



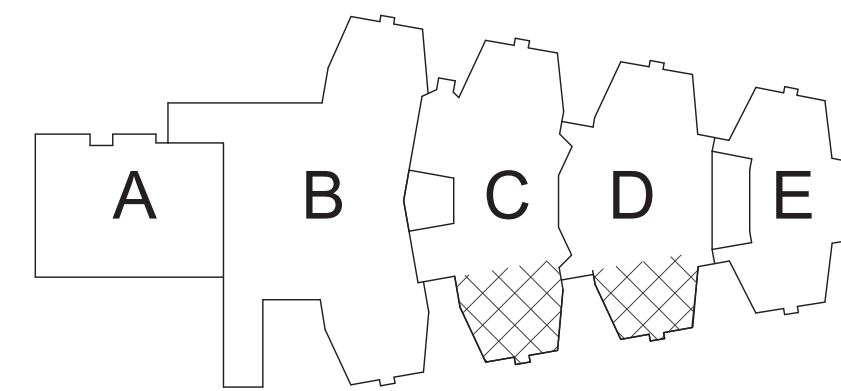
2 Partial Ground Floor Plans - Areas C + D
1/8" = 1'-0"

GENERAL NOTES:

1. FOR GENERAL NOTES SEE DRAWING AM050

KEYED NOTES

- DISCONNECT HOT WATER PIPING AND REMOVE UNIT VENTILATOR. REMOVE PIPING INSIDE CABINET ENCLOSURE FROM COIL UP TO AND INCLUDING MANUAL SHUT OFF VALVES, CONTROL VALVES, BALANCE VALVES, AND FITTINGS. LOUVER AND WALL BOX TO REMAIN. CLEAN AND PREPARE OPENING TO RECEIVE NEW WORK.
- REMOVE HEATING AND VENTILATION (H&V) UNIT. REMOVE HOT WATER PIPING FROM COIL UP TO AND INCLUDING MANUAL SHUT OFF VALVES, CONTROL VALVES, BALANCE VALVES, AND FITTINGS. REMOVE OUTSIDE AIR INTAKE DUCT FROM UNIT TO LOUVER INCLUDING DAMPER AND ACTUATOR. LOUVER REMAINS. REMOVE MULTI-ZONE SUPPLY DUCTWORK FROM UNIT TO LOCATION INDICATED ON DRAWING INCLUDING ZONE DAMPER. REMOVE ZONE DAMPER ACTUATOR AND SAVE FOR RE-USE. REMOVE RETURN AIR DUCTWORK TO LOCATION INDICATED ON DRAWING INCLUDING DAMPER. REMOVE EXHAUST AIR DUCTWORK FROM RETURN DUCTWORK CONNECTION TO UNDERSIDE OF ROOF DECK.
- REMOVE DUCTWORK INCLUDING REGISTERS, GRILLES, DIFFUSERS, HANGERS AND SUPPORTS TO LOCATION INDICATED.
- REMOVE SPACE TEMPERATURE SENSOR AND CONNECTED WIRING.
- REMOVE FINNED TUBE CONTROL VALVE, PLUG EXISTING PNEUMATIC TUBING.
- REMOVE UTILITY SET FAN, CONTROLS, HANGERS AND SUPPORTS AND CONNECTED DUCTWORK TO LOCATION INDICATED.
- INSTALL UNIT VENTILATOR, CENTER UNIT WITH OUTSIDE AIR OPENING. EXTEND HOT WATER PIPING TO UNIT. PROVIDE SHUT-OFF VALVES, BALANCE VALVE, ETC. AS INDICATED ON COIL PIPING DETAIL. INSTALL SPACE TEMPERATURE SENSOR IN LOCATION INDICATED.
- DISCONNECT SUPPLY DIFFUSER, RETURN/EXHAUST GRILLE OR REGISTER, CLEAN THOROUGHLY AND REINSTALL. BALANCE AIRFLOW TO CFM INDICATED.
- PROVIDE NEW FTR CONTROL VALVE WITH FLOW INDICATED (TYP.)
- SEE 5/AM102 FOR MORE INFORMATION.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.: Date: Description:



complex world
CLEAR SOLUTIONS

Tetra Tech Engineers, Architects
& Landscape Architects, P.C.



Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Partial Ground Floor Plans Areas C
and D

Drawn By:
DPM/jtk
Project No.:
121111-19002

Date:
8/21/20

Drawing Number:

AM101

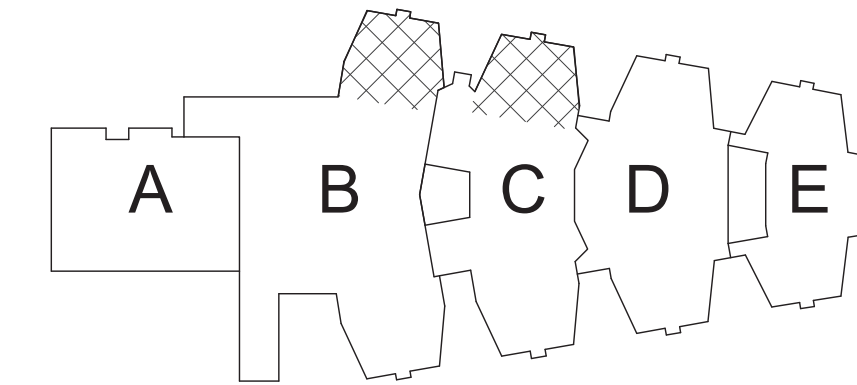
BID SET

GENERAL NOTES:

1. FOR GENERAL NOTES SEE DRAWING AM050

KEYED NOTES

- 1 REMOVE HEATING AND VENTILATION (H&V) UNIT. REMOVE HOT WATER PIPING FROM COIL UP TO AND INCLUDING MANUAL SHUT OFF VALVES, CONTROL VALVES, BALANCE VALVES, AND FITTINGS. REMOVE OUTSIDE AIR INTAKE DUCT FROM UNIT TO LOUVER INCLUDING DAMPER AND ACTUATOR. LOUVER REMAINS. REMOVE MULTI-ZONE SUPPLY DUCTWORK FROM UNIT TO LOCATION INDICATED ON DRAWING INCLUDING ZONE DAMPER. REMOVE ZONE DAMPER ACTUATOR AND SAVE FOR RE-USE. REMOVE RETURN AIR DUCTWORK TO LOCATION INDICATED ON DRAWING INCLUDING DAMPER. REMOVE EXHAUST AIR DUCTWORK FROM RETURN DUCTWORK CONNECTION TO UNDERSIDE OF ROOF DECK.
- 2 REMOVE DUCTWORK INCLUDING REGISTERS, GRILLES, DIFFUSERS, HANGERS AND SUPPORTS TO LOCATION INDICATED.
- 3 REMOVE SPACE TEMPERATURE SENSOR AND CONNECTED WIRING.
- 4 REMOVE FINNED TUBE CONTROL VALVE. PLUG EXISTING PNEUMATIC TUBING.
- 5 REMOVE FINNED TUBE ENCLOSURE INCLUDING BACK-PLATE, COVER, SUPPORTS, PIPE HANGERS, CRADLES, FINNED TUBE ELEMENTS AND CONNECTED PIPING.
- 6 PROVIDE NEW FTR CONTROL VALVE WITH FLOW INDICATED
- 7 DISCONNECT RETURN/EXHAUST GRILLE OR REGISTER, CLEAN THOROUGHLY AND REINSTALL. BALANCE AIRFLOW TO CFM INDICATED.
- 8 6X8 DUCT UP TO NEW EF-3HS ON ROOF. SEE AM105.
- 9 SEE 5/AM102 FOR MORE INFORMATION.
- 9 PROVIDE SEPARATE 3/4" HWS/HWR TO EACH FTR IN ROOMS 125, 129 AND 131. FTR SHOULD BE PIPED IN PARALLEL AS OPPOSED TO IN SERIES.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.: Date: Description:



complex world
CLEAR SOLUTIONS

Tetra Tech Engineers, Architects
& Landscape Architects, P.C.



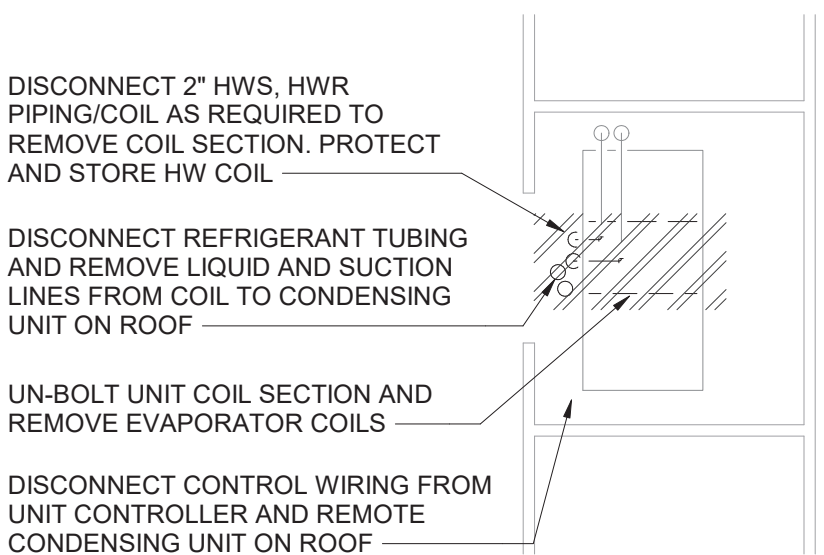
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

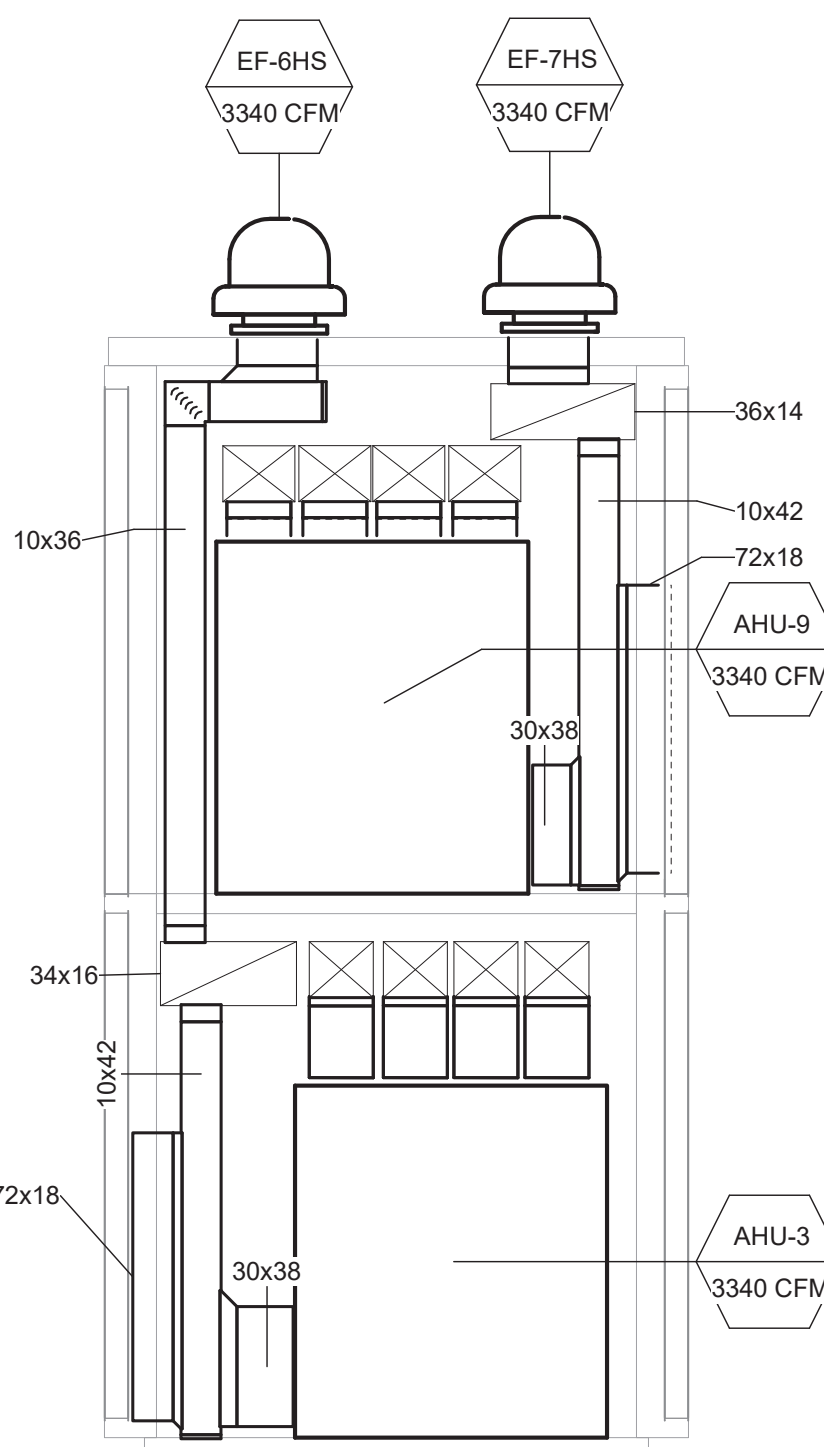
Partial First Floor Plans Areas B and C

Drawn By: DPM/jtk Date: 8/21/20 Drawing Number:
Project No.: 121111-19002
AM102

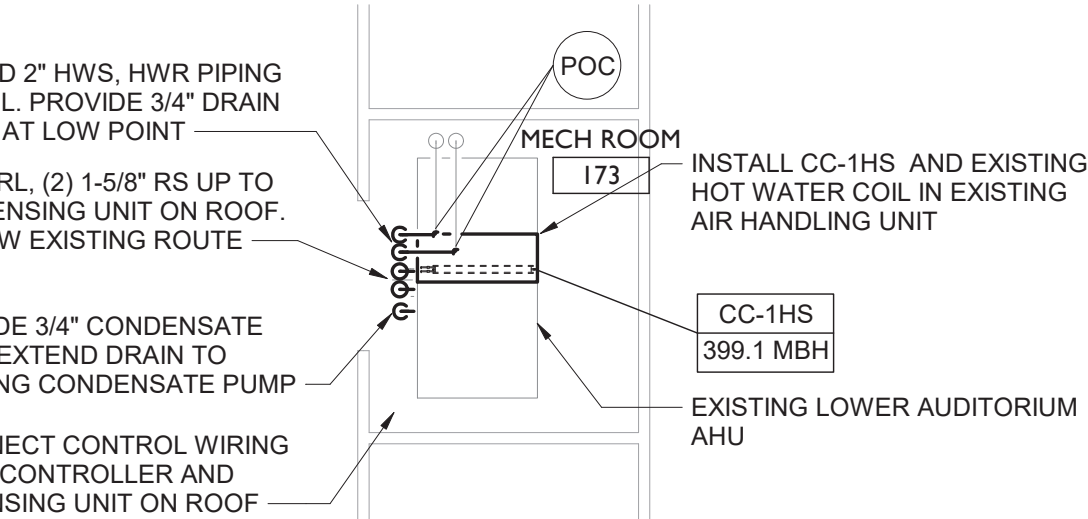
3 Typical Fan Room Demolition Plan
1/4" = 1'-0"



4 Partial First Floor Demolition Plan - Area C
1/8" = 1'-0"

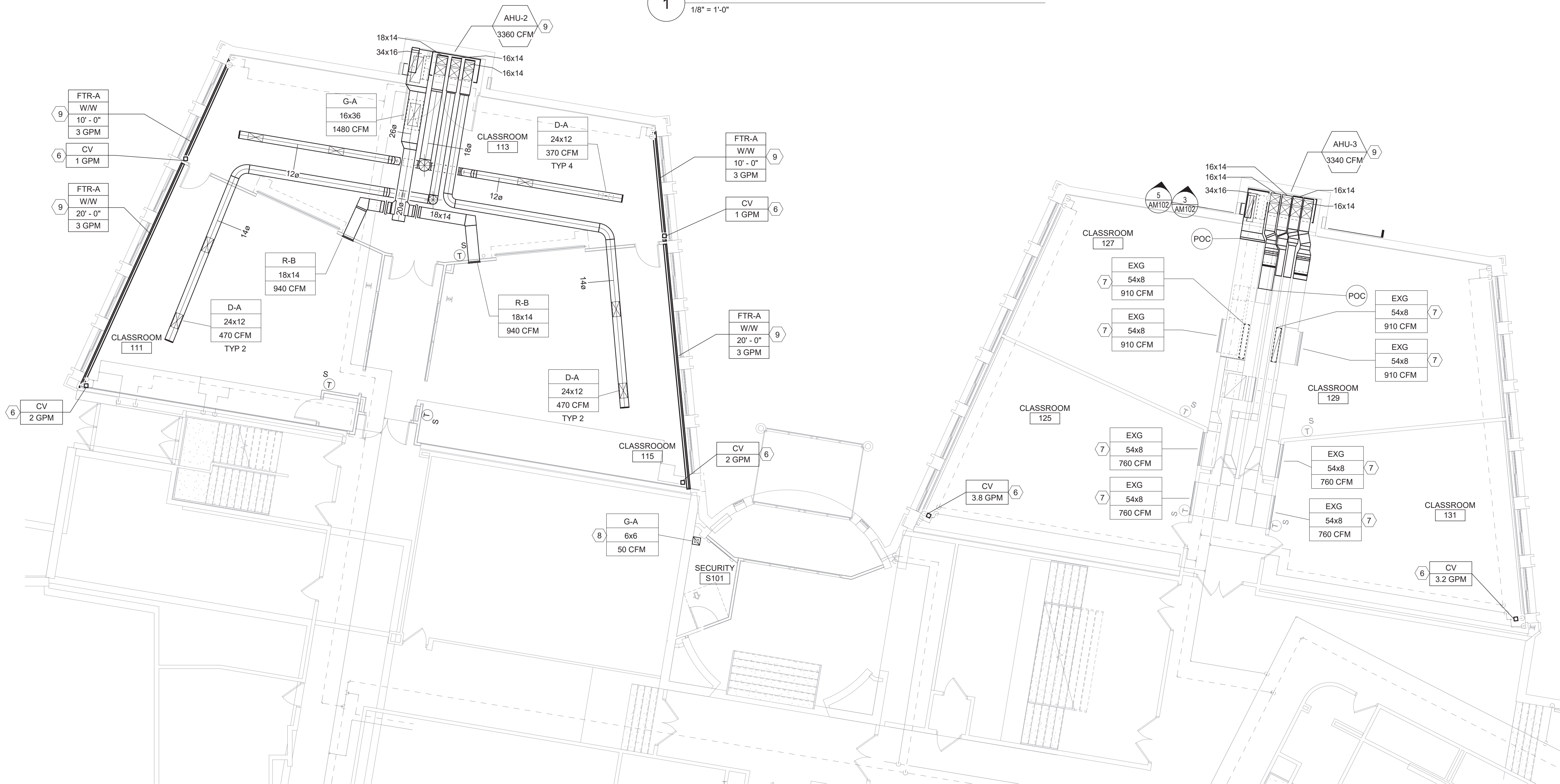


5 Typical Fan Room Plan
1/4" = 1'-0"



6 Partial First Floor Plan - Area C
1/8" = 1'-0"

1 Partial First Floor Demolition Plans - Areas B and C
1/8" = 1'-0"



2 Partial First Floor Plans - Areas B and C
1/8" = 1'-0"

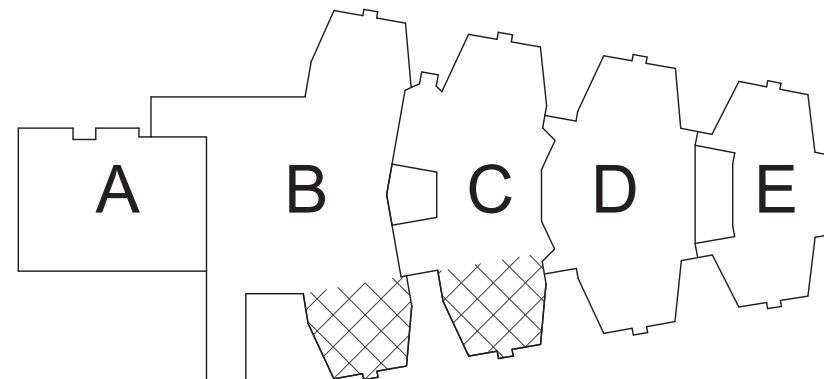


GENERAL NOTES:

1. FOR GENERAL NOTES SEE DRAWING AM050

KEYED NOTES

- 1 REMOVE HEATING AND VENTILATION (H&V) UNIT. REMOVE HOT WATER PIPING FROM COIL UP TO AND INCLUDING MANUAL SHUT OFF VALVES, CONTROL VALVES, BALANCE VALVES, AND FITTINGS. REMOVE OUTSIDE AIR INTAKE DUCT FROM UNIT TO LOUVER INCLUDING DAMPER AND ACTUATOR. LOUVER REMAINS. REMOVE MULTI-ZONE SUPPLY DUCTWORK FROM UNIT TO LOCATION INDICATED ON DRAWING INCLUDING ZONE DAMPER. REMOVE ZONE DAMPER ACTUATOR AND SAVE FOR RE-USE. REMOVE RETURN AIR DUCTWORK TO LOCATION INDICATED ON DRAWING INCLUDING DAMPER. REMOVE EXHAUST AIR DUCTWORK FROM RETURN DUCTWORK CONNECTION TO UNDERSIDE OF ROOF DECK.
- 2 REMOVE DUCTWORK INCLUDING REGISTERS, GRILLES, DIFFUSERS, HANGERS AND SUPPORTS TO LOCATION INDICATED.
- 3 REMOVE FINNED TUBE CONTROL VALVE. PLUG EXISTING PNEUMATIC TUBING.
- 4 PROVIDE NEW FTR CONTROL VALVE WITH FLOW INDICATED
- 5 DISCONNECT RETURN/EXHAUST GRILLE OR REGISTER, CLEAN THOROUGHLY AND REINSTALL. BALANCE AIRFLOW TO CFM INDICATED.
- 6 SEE 5/AM102 FOR MORE INFORMATION.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.: Date: Description:



complex world
CLEAR SOLUTIONS

Tetra Tech Engineers, Architects
& Landscape Architects, P.C.

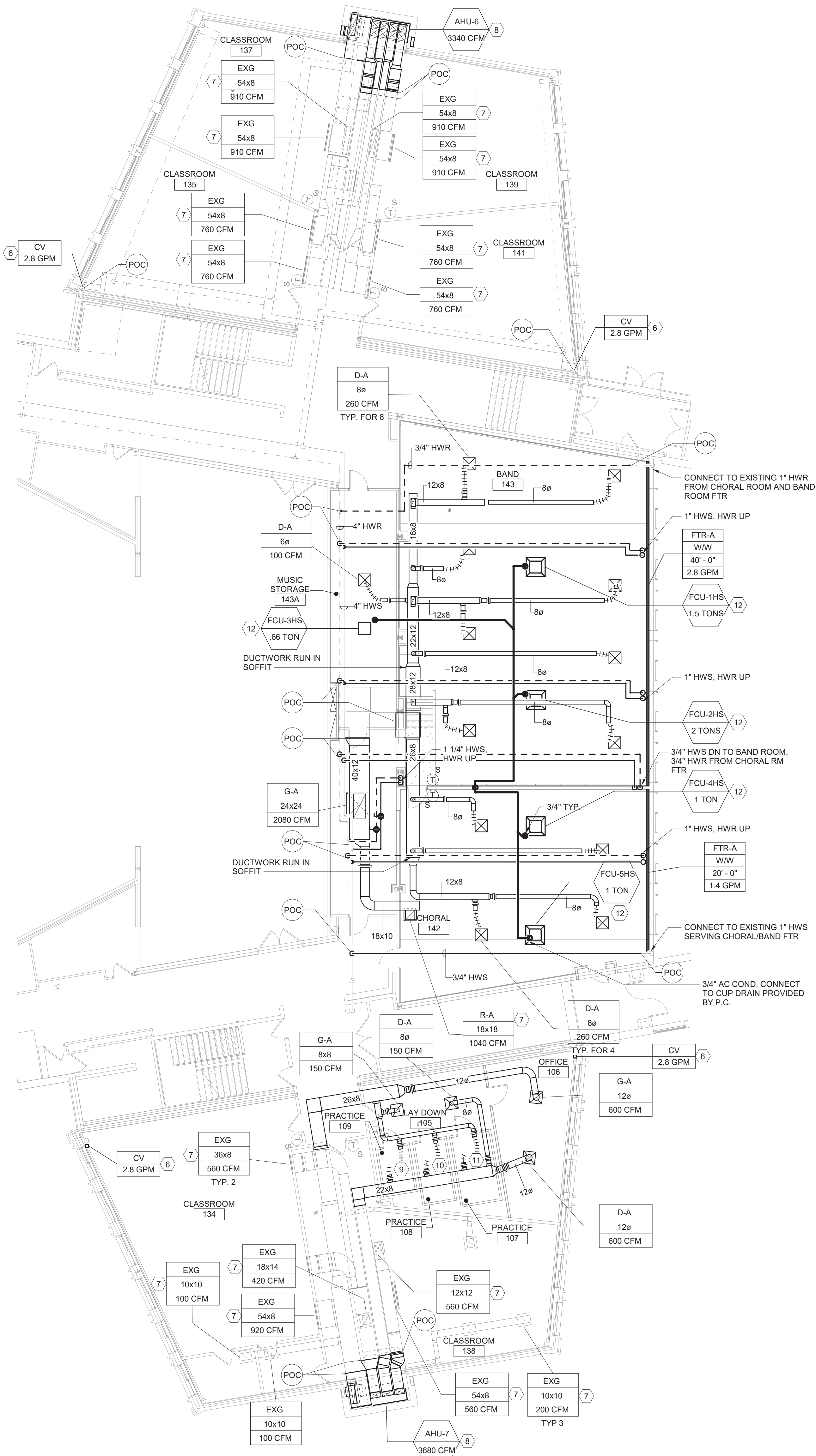


Mahopac Central School District
Mahopac, NY

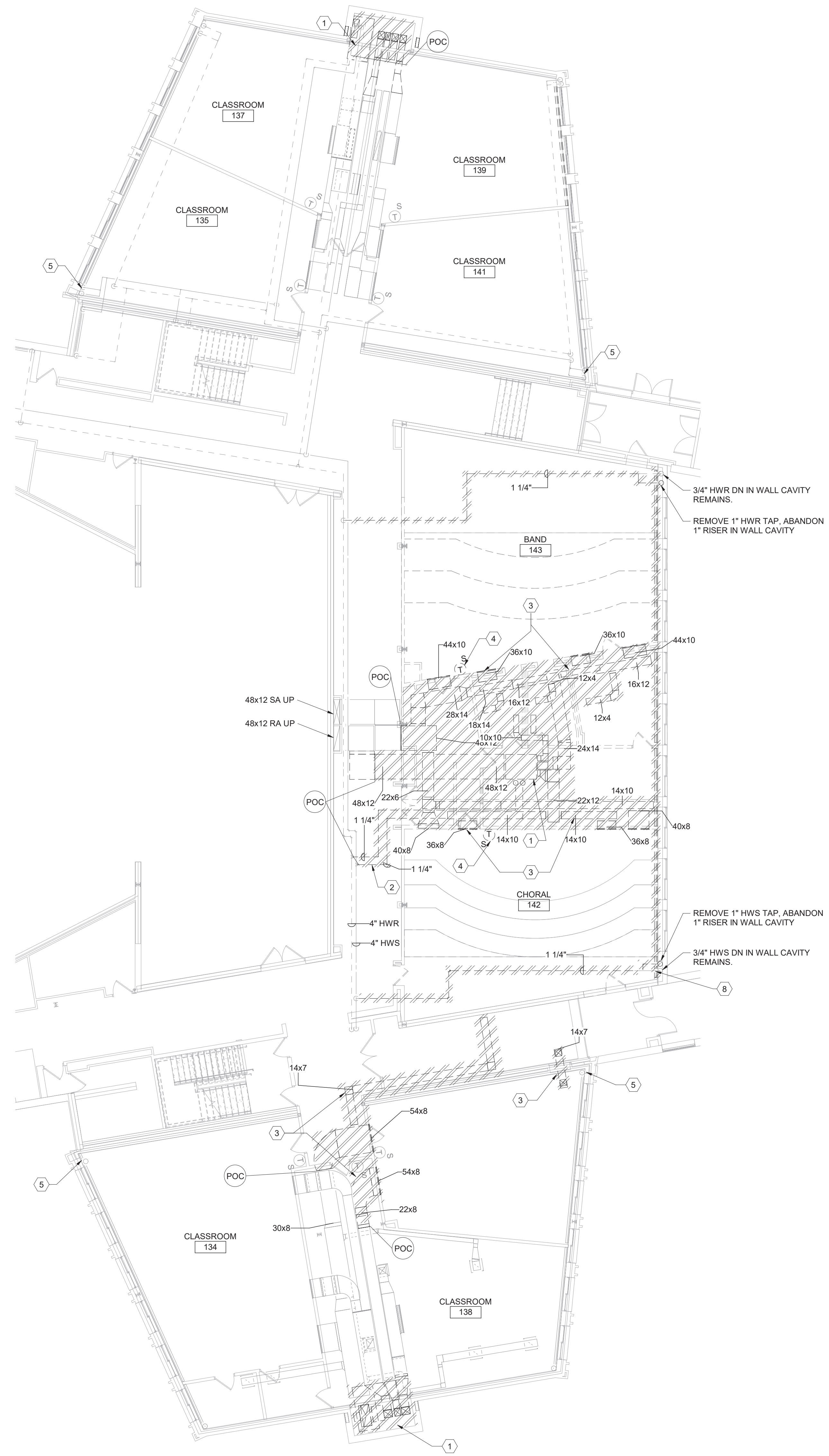
Reconstruction To:
Mahopac High School

Partial First Floor Plans Areas B and C

| | | |
|------------------------------|------------------|-----------------|
| Drawn By: DPM/jtk | Date: 8/21/20 | Drawing Number: |
| Project No.: 121111-19002 | | AM103 |



2 Partial First Floor Plan - Area D
1" = 10'-0"



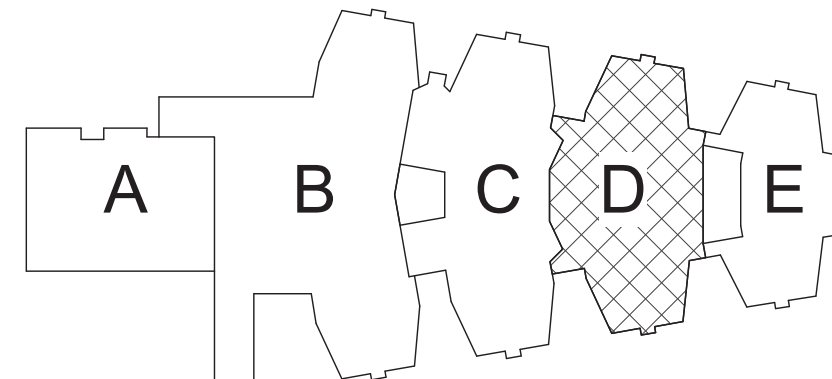
1 Partial First Floor Demolition Plan - Area D
1" = 10'-0"

GENERAL NOTES:

1. FOR GENERAL NOTES SEE DRAWING AM050

KEYED NOTES

- 1 REMOVE HEATING AND VENTILATION (H&V) UNIT. REMOVE HOT WATER PIPING FROM COIL UP TO AND INCLUDING MANUAL SHUT OFF VALVES, CONTROL VALVES, BALANCE VALVES, AND FITTINGS. REMOVE OUTSIDE AIR INTAKE DUCT FROM UNIT TO LOUVER INCLUDING DAMPER AND ACTUATOR. LOUVER REMAINS. REMOVE MULTI-ZONE SUPPLY DUCTWORK FROM UNIT TO LOCATION INDICATED ON DRAWING INCLUDING ZONE DAMPER. REMOVE ZONE DAMPER ACTUATOR AND SAVE FOR RE-USE. REMOVE RETURN AIR DUCTWORK TO LOCATION INDICATED ON DRAWING INCLUDING DAMPER. REMOVE EXHAUST AIR DUCTWORK FROM RETURN DUCTWORK CONNECTION TO UNDERSIDE OF ROOF DECK.
- 2 REMOVE HOT WATER SUPPLY AND RETURN PIPING INCLUDING FITTINGS, HANGERS AND SUPPORTS TO LOCATION INDICATED.
- 3 REMOVE DUCTWORK INCLUDING REGISTERS, GRILLES, DIFFUSERS, HANGERS AND SUPPORTS TO LOCATION INDICATED.
- 4 REMOVE SPACE TEMPERATURE SENSOR AND CONNECTED WIRING.
- 5 REMOVE FINNED TUBE CONTROL VALVE. PLUG EXISTING PNEUMATIC TUBING.
- 6 PROVIDE NEW FTR CONTROL VALVE WITH FLOW INDICATED
- 7 DISCONNECT RETURN/EXHAUST GRILLE OR REGISTER, CLEAN THOROUGHLY AND REINSTALL. BALANCE AIRFLOW TO CFM INDICATED.
- 8 SEE 8/AM102 FOR MORE INFORMATION.
- 9 CONNECT 8" SA/RA FLEX DUCTS TO PRACTICE ROOM 109. BALANCE AIRFLOW TO 50 CFM. AIR INLETS AND OUTLETS PROVIDED WITH PRE-MANUFACTURED ROOM PACKAGE.
- 10 CONNECT 8" SA/RA FLEX DUCTS TO PRACTICE ROOM 108. BALANCE AIRFLOW TO 75 CFM. AIR INLETS AND OUTLETS PROVIDED WITH PRE-MANUFACTURED ROOM PACKAGE.
- 11 CONNECT 8" SA/RA FLEX DUCTS TO PRACTICE ROOM 107. BALANCE AIRFLOW TO 100 CFM. AIR INLETS AND OUTLETS PROVIDED WITH PRE-MANUFACTURED ROOM PACKAGE.
- 12 REFER TO DETAIL 8/AM501 FOR REFRIGERANT PIPING AND CONTROL SCHEMATIC



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.: Date: Description:



complex world
CLEAR SOLUTIONS

Tetra Tech Engineers, Architects
& Landscape Architects, P.C.



Mahopac Central School District
Mahopac, NY

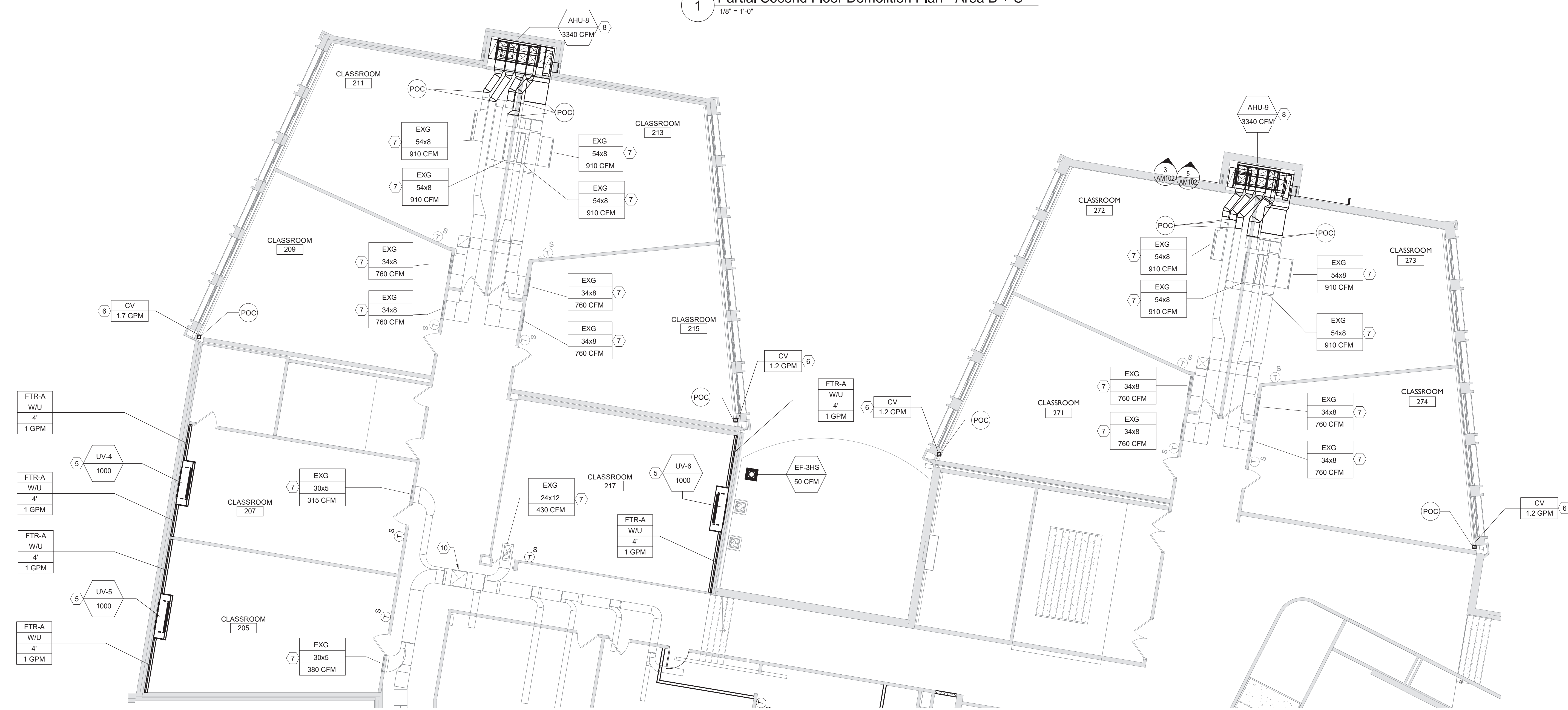
Reconstruction To:
Mahopac High School

First Floor Plans - Area D

Drawn By: DPM/jtk Date: 8/21/20 Drawing Number:
Project No.: 121111-19002
AM104



1 Partial Second Floor Demolition Plan - Area B + C
1/8" = 1'-0"



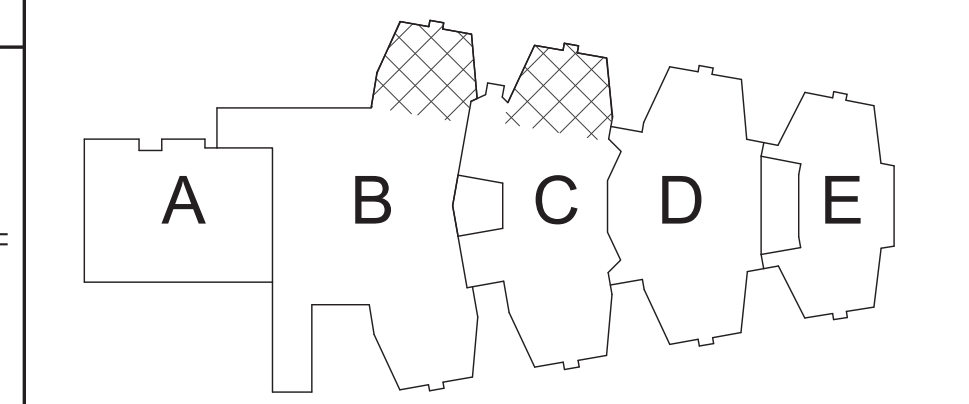
2 Partial Second Floor Plan - Areas B + C
1/8" = 1'-0"

GENERAL NOTES:

1. FOR GENERAL NOTES SEE DRAWING AM050

KEYED NOTES

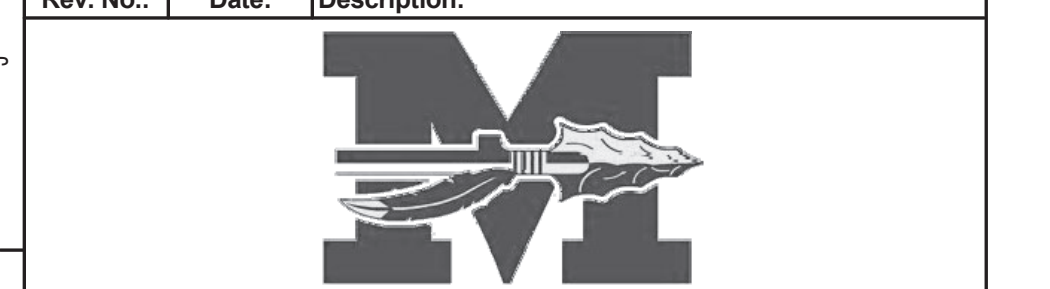
- 1 DISCONNECT HOT WATER PIPING AND REMOVE UNIT VENTILATOR. REMOVE PIPING INSIDE CABINET ENCLOSURE FROM COIL UP TO AND INCLUDING MANUAL SHUT OFF VALVES, CONTROL VALVES, BALANCE VALVES, AND FITTINGS. LOUVER AND WALL BOX TO REMAIN. CLEAN AND PREPARE OPENING TO RECEIVE NEW WORK.
- 2 REMOVE HEATING AND VENTILATION (H&V) UNIT. REMOVE HOT WATER PIPING FROM COIL UP TO AND INCLUDING MANUAL SHUT OFF VALVES, CONTROL VALVES, BALANCE VALVES, AND FITTINGS. REMOVE OUTSIDE AIR INTAKE DUCT FROM UNIT TO LOUVER INCLUDING DAMPER AND ACTUATOR. LOUVER REMAINS. REMOVE MULTI-ZONE SUPPLY DUCTWORK FROM UNIT TO LOCATION INDICATED ON DRAWING INCLUDING ZONE DAMPER. REMOVE ZONE DAMPER ACTUATOR AND SAVE FOR RE-USE. REMOVE RETURN AIR DUCTWORK TO LOCATION INDICATED ON DRAWING INCLUDING DAMPER. REMOVE EXHAUST AIR DUCTWORK FROM RETURN DUCTWORK CONNECTION TO UNDERSIDE OF ROOF DECK.
- 3 REMOVE SPACE TEMPERATURE SENSOR AND CONNECTED WIRING.
- 4 REMOVE FINNED TUBE CONTROL VALVE. PLUG EXISTING PNEUMATIC TUBING.
- 5 INSTALL UNIT VENTILATOR. CENTER UNIT WITH OUTSIDE AIR OPENING. EXTEND HOT WATER PIPING TO UNIT. PROVIDE SHUT OFF VALVES, BALANCE VALVE, ETC. AS INDICATED ON COIL PIPING DETAIL. INSTALL SPACE TEMPERATURE SENSOR IN LOCATION INDICATED.
- 6 PROVIDE FTR CONTROL VALVE WITH FLOW INDICATED
- 7 DISCONNECT RETURN/EXHAUST GRILLE OR REGISTER, CLEAN THOROUGHLY AND REINSTALL. BALANCE AIRFLOW TO CFM INDICATED.
- 8 SEE 5/AM102 FOR MORE INFORMATION.
- 9 REMOVE FINNED TUBE ENCLOSURE INCLUDING BACK-PLATE, COVER, SUPPORTS, PIPE HANGERS, CRADLES, FINNED TUBE ELEMENTS AND CONNECTED PIPING.
- 10 MEASURE ALL EXISTING GRILLES ASSOCIATED WITH THE EXHAUST FAN AS THEY ARE. REBALANCE THE FAN TO ACHIEVE THE OA FLOWS OF ROOMS WE ARE REPLACING UVS AND MAINTAIN PRE-MEASURED EA FLOWS IN THE EXISTING SPACES.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

| Rev. No.: | Date: | Description: |
|-----------|-------|--------------|
| | | |
| | | |
| | | |
| | | |



complex world | CLEAR SOLUTIONS

Tetra Tech Engineers, Architects
& Landscape Architects, P.C.

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

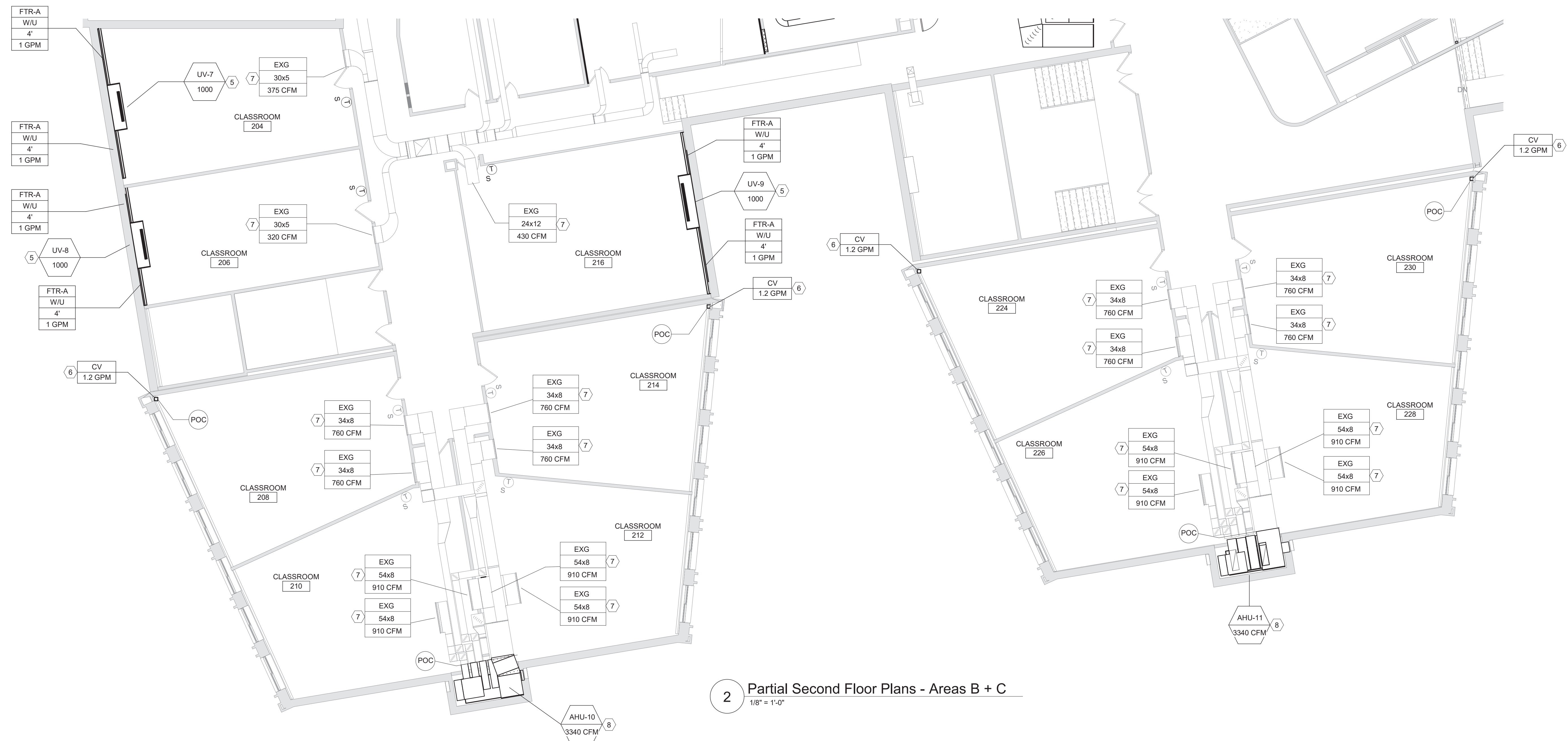
Reconstruction To:
Mahopac High School

Partial Second Floor Plans
Areas B and C

| | | |
|------------------------------|------------------|---------------------------------|
| Drawn By: DPM/jtk | Date: 8/21/20 | Drawing Number: AM105 |
| Project No.: 121111-19002 | | |



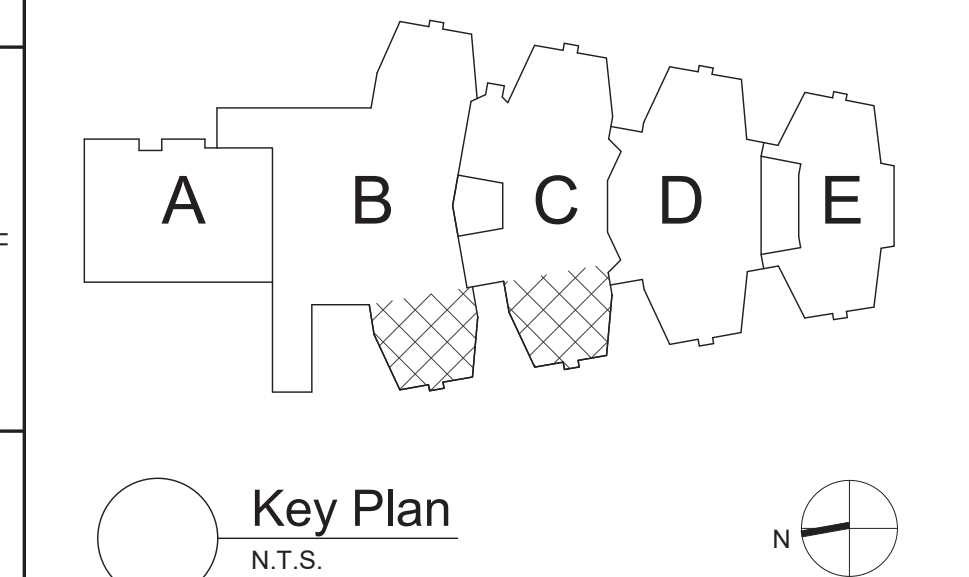
1 Partial Second Floor Demolition Plans - Areas B + C
1/8" = 1'-0"



2 Partial Second Floor Plans - Areas B + C
1/8" = 1'-0"

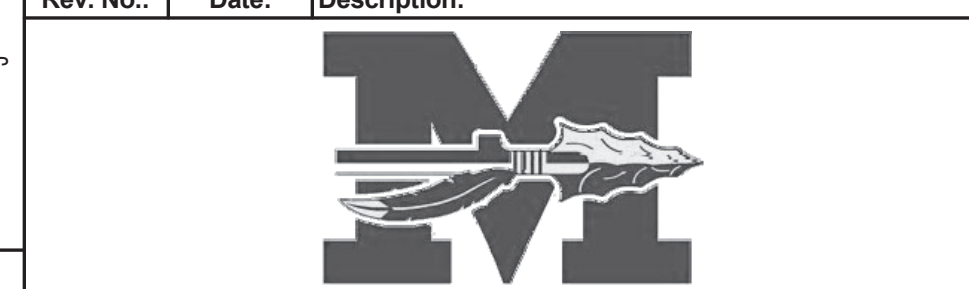
GENERAL NOTES:

1. FOR GENERAL NOTES SEE DRAWING AM050
- 1 DISCONNECT HOT WATER PIPING AND REMOVE UNIT VENTILATOR. REMOVE PIPING INSIDE CABINET ENCLOSURE FROM COIL UP TO AND INCLUDING MANUAL SHUT OFF VALVES, CONTROL VALVES, BALANCE VALVES, AND FITTINGS. LOUVER AND WALL BOX TO REMAIN. CLEAN AND PREPARE OPENING TO RECEIVE NEW WORK.
- 2 REMOVE HEATING AND VENTILATION (H&V) UNIT. REMOVE HOT WATER PIPING FROM COIL UP TO AND INCLUDING MANUAL SHUT OFF VALVES, CONTROL VALVES, BALANCE VALVES, AND FITTINGS. REMOVE OUTSIDE AIR INTAKE DUCT FROM UNIT TO LOUVER INCLUDING DAMPER AND ACTUATOR. LOUVER REMAINS. REMOVE MULTI-ZONE SUPPLY DUCTWORK FROM UNIT TO LOCATION INDICATED ON DRAWING INCLUDING ZONE DAMPER. REMOVE ZONE DAMPER ACTUATOR AND SAVE FOR RE-USE. REMOVE RETURN AIR DUCTWORK TO LOCATION INDICATED ON DRAWING INCLUDING DAMPER. REMOVE EXHAUST AIR DUCTWORK FROM RETURN DUCTWORK CONNECTION TO UNDERSIDE OF ROOF DECK.
- 3 REMOVE SPACE TEMPERATURE SENSOR AND CONNECTED WIRING.
- 4 REMOVE FINNED TUBE CONTROL VALVE. PLUG EXISTING PNEUMATIC TUBING.
- 5 INSTALL UNIT VENTILATOR. CENTER UNIT WITH OUTSIDE AIR OPENING. EXTEND HOT WATER PIPING TO UNIT. PROVIDE SHUT OFF VALVES, BALANCE VALVE, ETC. AS INDICATED ON COIL PIPING DETAIL. INSTALL SPACE TEMPERATURE SENSOR IN LOCATION INDICATED.
- 6 PROVIDE NEW FTR CONTROL VALVE WITH FLOW INDICATED
- 7 DISCONNECT RETURN/EXHAUST GRILLE OR REGISTER, CLEAN THOROUGHLY AND REINSTALL. BALANCE AIRFLOW TO CFM INDICATED.
- 8 SEE 5/AM102 FOR MORE INFORMATION.
- 9 REMOVE FINNED TUBE ENCLOSURE INCLUDING BACK-PLATE, COVER, SUPPORTS, PIPE HANGERS, CRADLES, FINNED TUBE ELEMENTS AND CONNECTED PIPING.
- 10 MEASURE ALL EXISTING GRILLES ASSOCIATED WITH THE EXHAUST FAN AS THEY ARE. REBALANCE THE FAN TO ACHIEVE THE OA FLOWS OF ROOMS WE ARE REPLACING UNITS AND MAINTAIN PRE-MEASURED EA FLOWS IN THE EXISTING SPACES.



S.E.D. Control No. 48-01-01-06-0-004-020

| Rev. No. | Date | Description |
|----------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |



complex world | CLEAR SOLUTIONS

Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET



Mahopac Central School District
Mahopac, NY

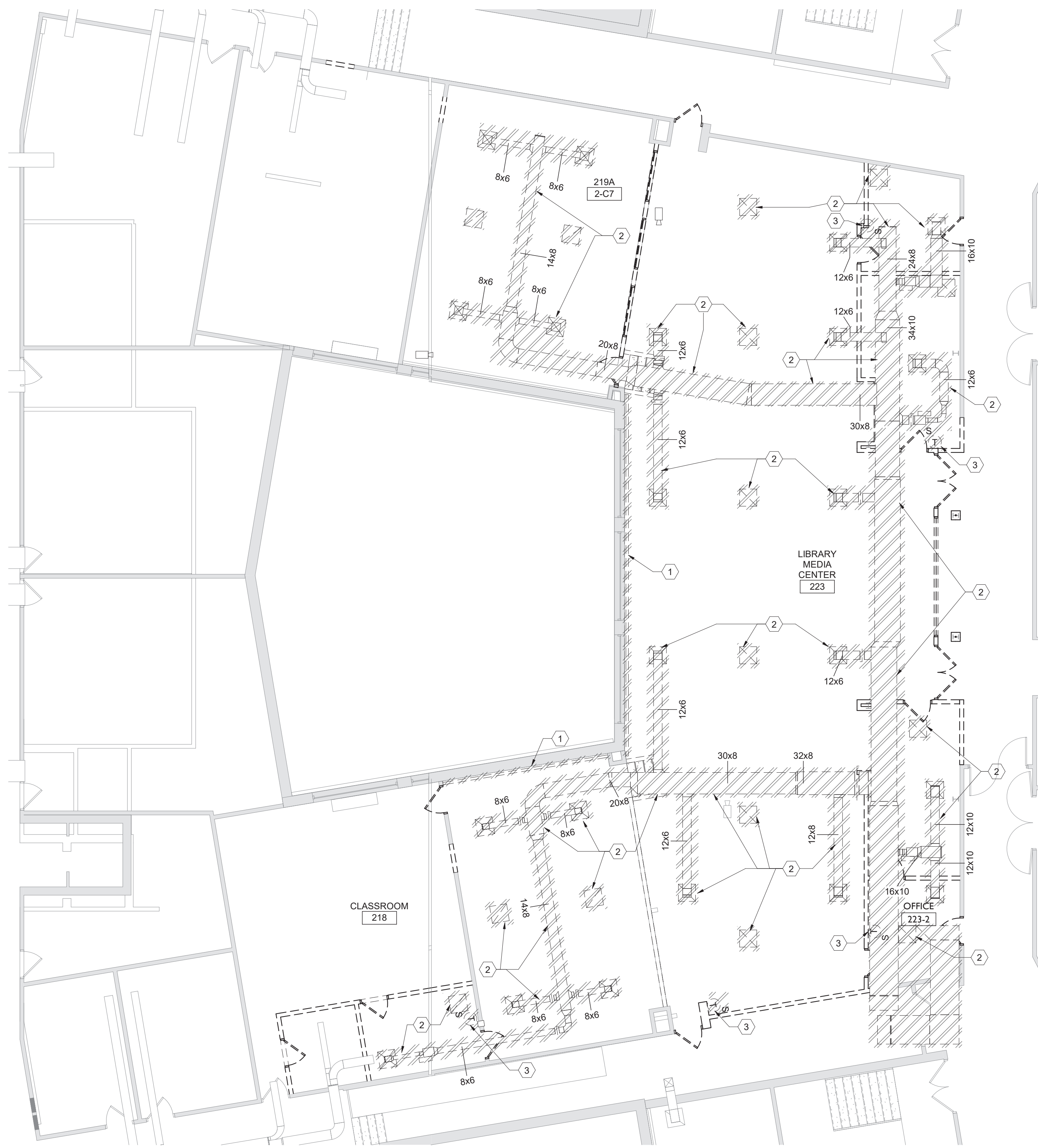
Reconstruction To:
Mahopac High School

Partial Second Floor Plans
Area B and C

| | | |
|------------------------------|------------------|---------------------------------|
| Drawn By: DPM/jtk | Date: 8/21/20 | Drawing Number: AM106 |
| Project No.: 121111-19002 | | |



2 Partial Second Floor Plan - Area C
1/8" = 1'-0"



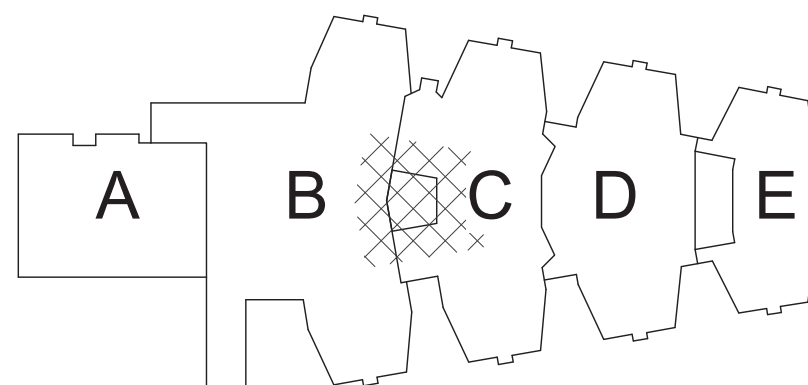
1 Partial Second Floor Demolition Plan - Area C
1/8" = 1'-0"

GENERAL NOTES:

1. FOR GENERAL NOTES SEE DRAWING AM050

KEYED NOTES

- 1 REMOVE FINNED TUBE RADIATION AND ALL ASSOCIATED ACCESSORIES REMOVE HOT WATER SUPPLY AND RETURN PIPING INCLUDING FITTINGS, HANGERS AND SUPPORTS AS NEEDED.
- 2 REMOVE DUCTWORK INCLUDING VAVS AND ACCESORIES, REGISTERS, GRILLES, DIFFUSERS, HANGERS AND SUPPORTS TO LOCATION INDICATED.
- 3 REMOVE SPACE TEMPERATURE SENSOR AND CONNECTED WIRING.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.: Date: Description:



complex world
CLEAR SOLUTIONS

Tetra Tech Engineers, Architects
& Landscape Architects, P.C.

BID SET

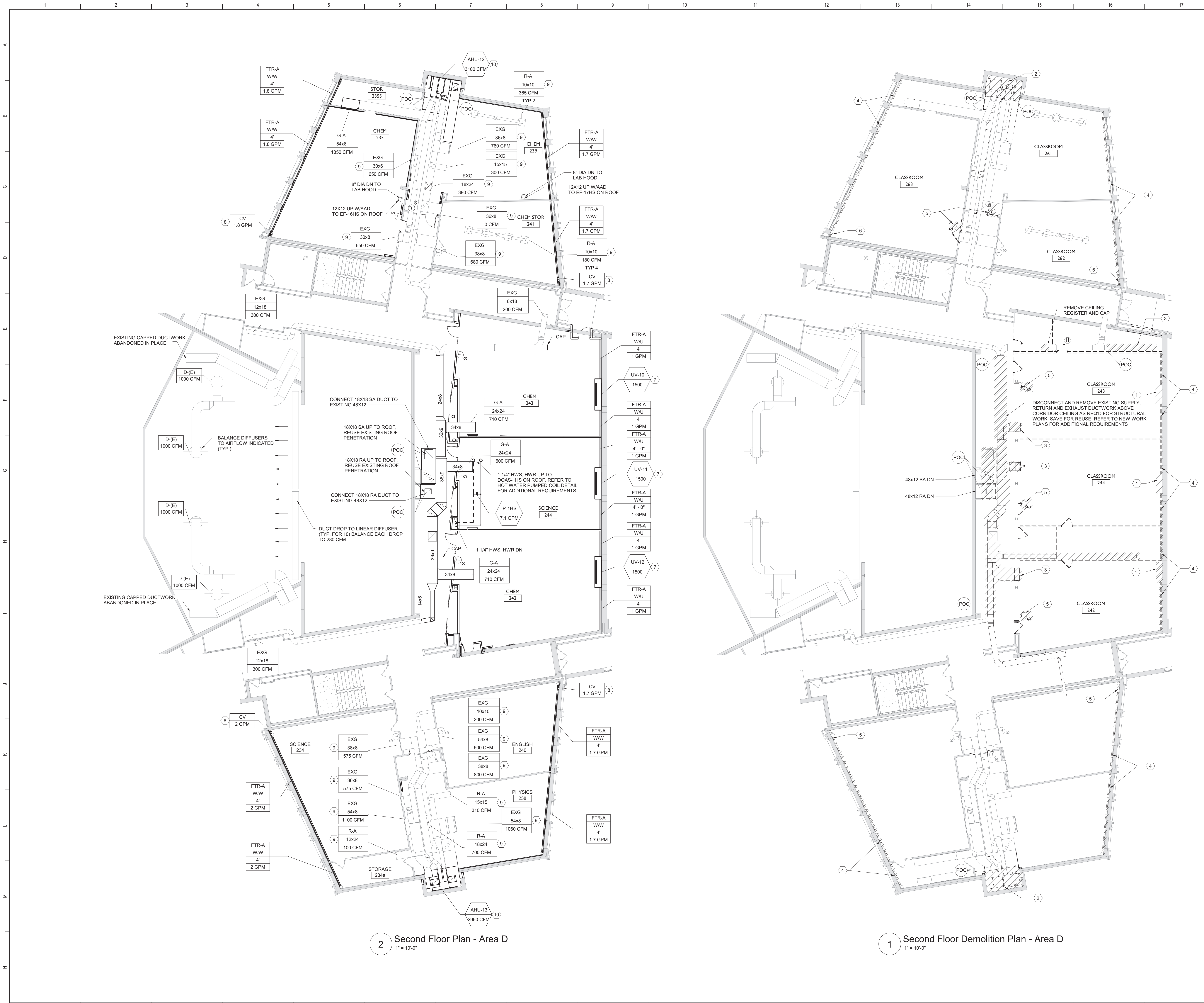


Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Partial Second Floor Plans - Area C

Drawn By: DPM/jtk Date: 8/21/20 Drawing Number:
Project No.: 121111-19002
AM107



GENERAL NOTES:

1. FOR GENERAL NOTES SEE DRAWING AM050

KEYED NOTES

1 DISCONNECT HOT WATER PIPING AND REMOVE UNIT VENTILATOR. REMOVE PIPING INSIDE CABINET ENCLOSURE FROM COIL UP TO AND INCLUDING MANUAL SHUT OFF VALVES, CONTROL VALVES, BALANCE VALVES, AND FITTINGS. LOUVER AND WALL BOX TO REMAIN. CLEAN AND PREPARE OPENING TO RECEIVE NEW WORK.

2 REMOVE HEATING AND VENTILATION (H&V) UNIT. REMOVE HOT WATER PIPING FROM COIL UP TO AND INCLUDING MANUAL SHUT OFF VALVES, CONTROL VALVES, BALANCE VALVES, AND FITTINGS. REMOVE OUTSIDE AIR INTAKE DUCT FROM UNIT TO LOUVER INCLUDING DAMPER AND ACTUATOR. LOUVER REMAINS. REMOVE MULTI-ZONE SUPPLY DUCTWORK FROM UNIT TO LOCATION INDICATED ON DRAWING INCLUDING ZONE DAMPER. REMOVE ZONE DAMPER ACTUATOR AND SAVE FOR RE-USE. REMOVE RETURN AIR DUCTWORK TO LOCATION INDICATED ON DRAWING INCLUDING DAMPER. REMOVE EXHAUST AIR DUCTWORK FROM RETURN DUCTWORK CONNECTION TO UNDERSIDE OF ROOF DECK.

3 REMOVE DUCTWORK INCLUDING REGISTERS, GRILLES, DIFFUSERS, HANGERS AND SUPPORTS TO LOCATION INDICATED.

4 REMOVE FINNED TUBE ENCLOSURE INCLUDING BACK-PLATE, COVER, SUPPORTS, PIPE HANGERS, CRADLES, FINNED TUBE ELEMENTS AND CONNECTED PIPING.

5 REMOVE SPACE TEMPERATURE SENSOR AND CONNECTED WIRING.

6 REMOVE FINNED TUBE CONTROL VALVE. PLUG EXISTING PNEUMATIC TUBING.

7 INSTALL UNIT VENTILATOR. CENTER UNIT WITH OUTSIDE AIR OPENING. EXTEND HOT WATER PIPING TO UNIT. PROVIDE SHUT-OFF VALVES, BALANCE VALVE, ETC. AS INDICATED ON COIL PIPING DETAIL. INSTALL SPACE TEMPERATURE SENSOR IN LOCATION INDICATED.

8 PROVIDE NEW FTR CONTROL VALVE WITH FLOW INDICATED

9 DISCONNECT RETURN/EXHAUST GRILLE OR REGISTER, CLEAN THOROUGHLY AND REINSTALL. BALANCE AIRFLOW TO CFM INDICATED.


10 SEE 5/AM102 FOR MORE INFORMATION.

Key Plan


N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

| Rev. No.: | Date: | Description: |
|-----------|-------|--------------|
| | | |
| | | |
| | | |
| | | |
| | | |



complex world
CLEAR SOLUTIONS



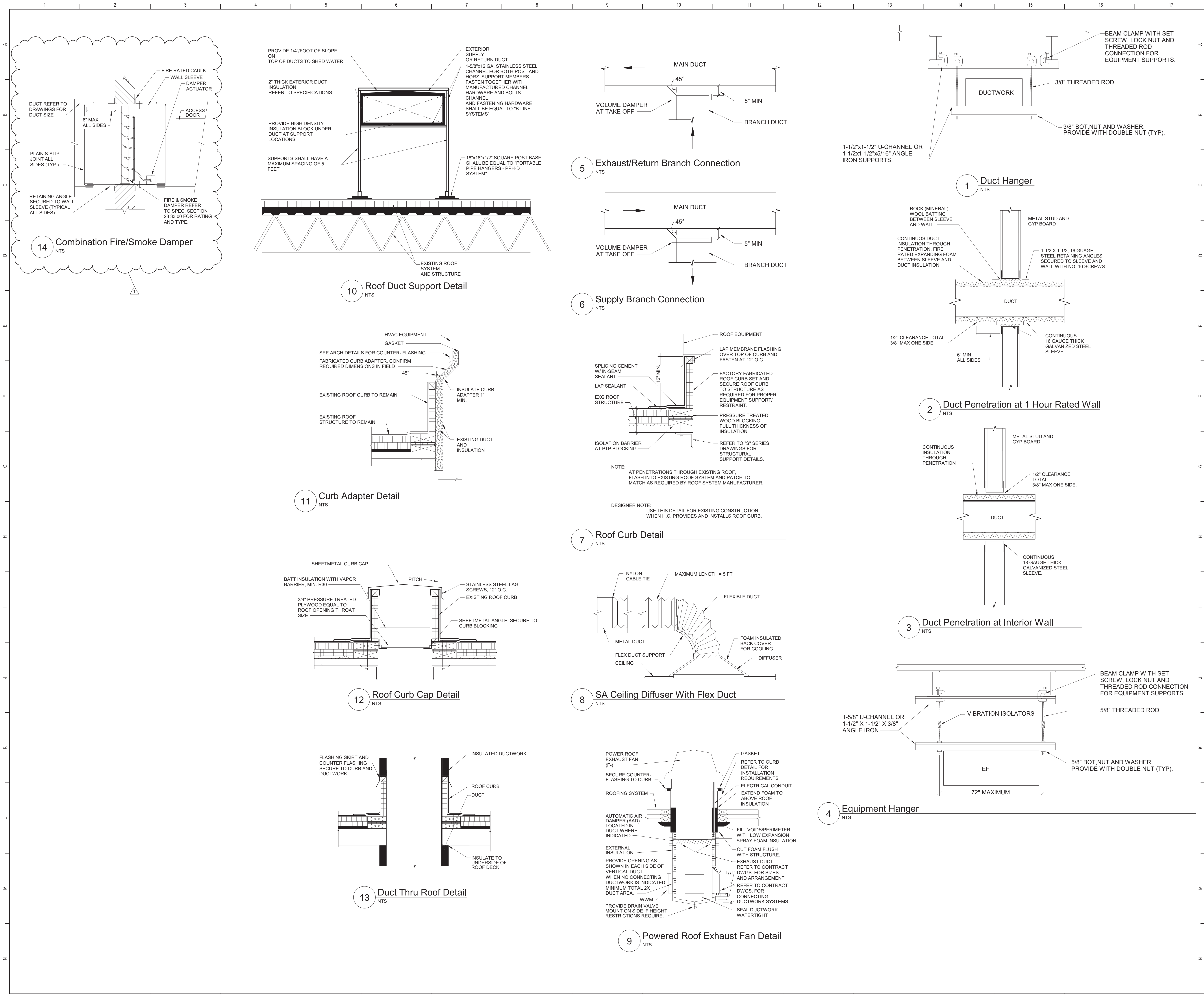
TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Second Floor Plans - Area D

| | | |
|------------------------------|------------------|-----------------|
| Drawn By: DPM/jtk | Date: 8/21/20 | Drawing Number: |
| Project No.: 121111-19002 | | AM108 |



S.E.D. Control No. 48-01-01-06-0-004-020

| | | |
|-----------|-----------|-------------------|
| 1 | 12/2/2020 | SED Addendum No 1 |
| Rev. No.: | Date: | Description: |



complex world | CLEAR SOLUTIONS

Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

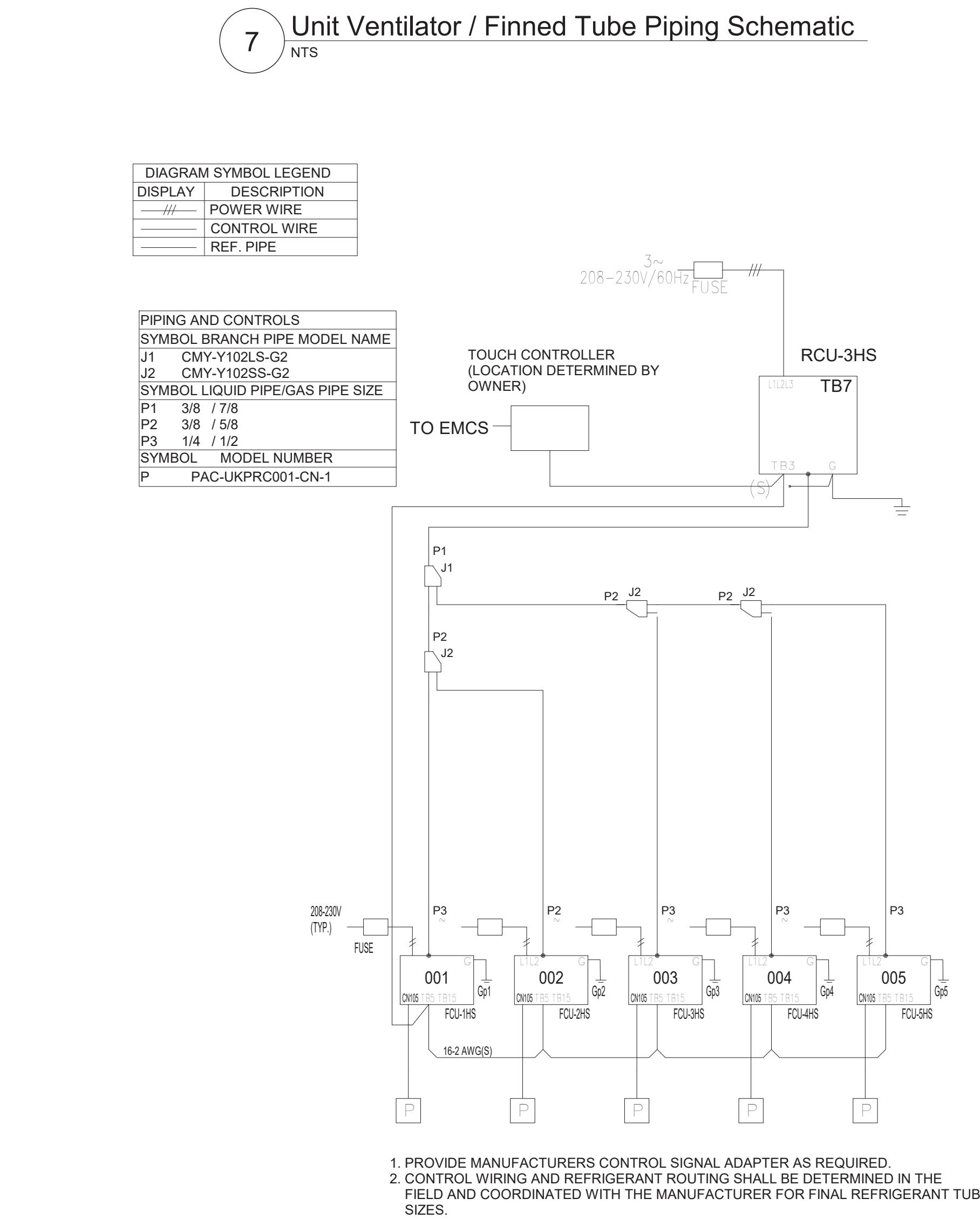
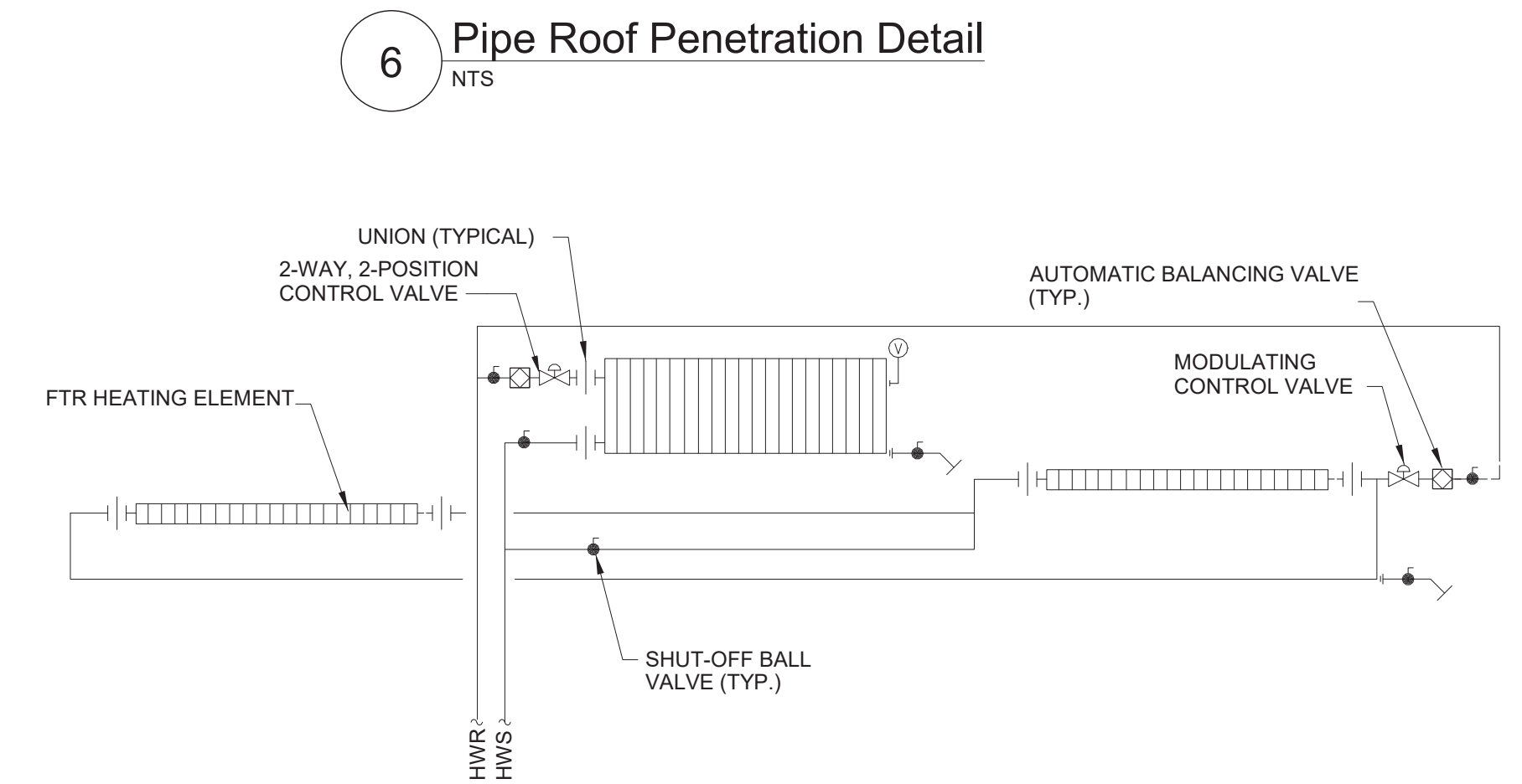
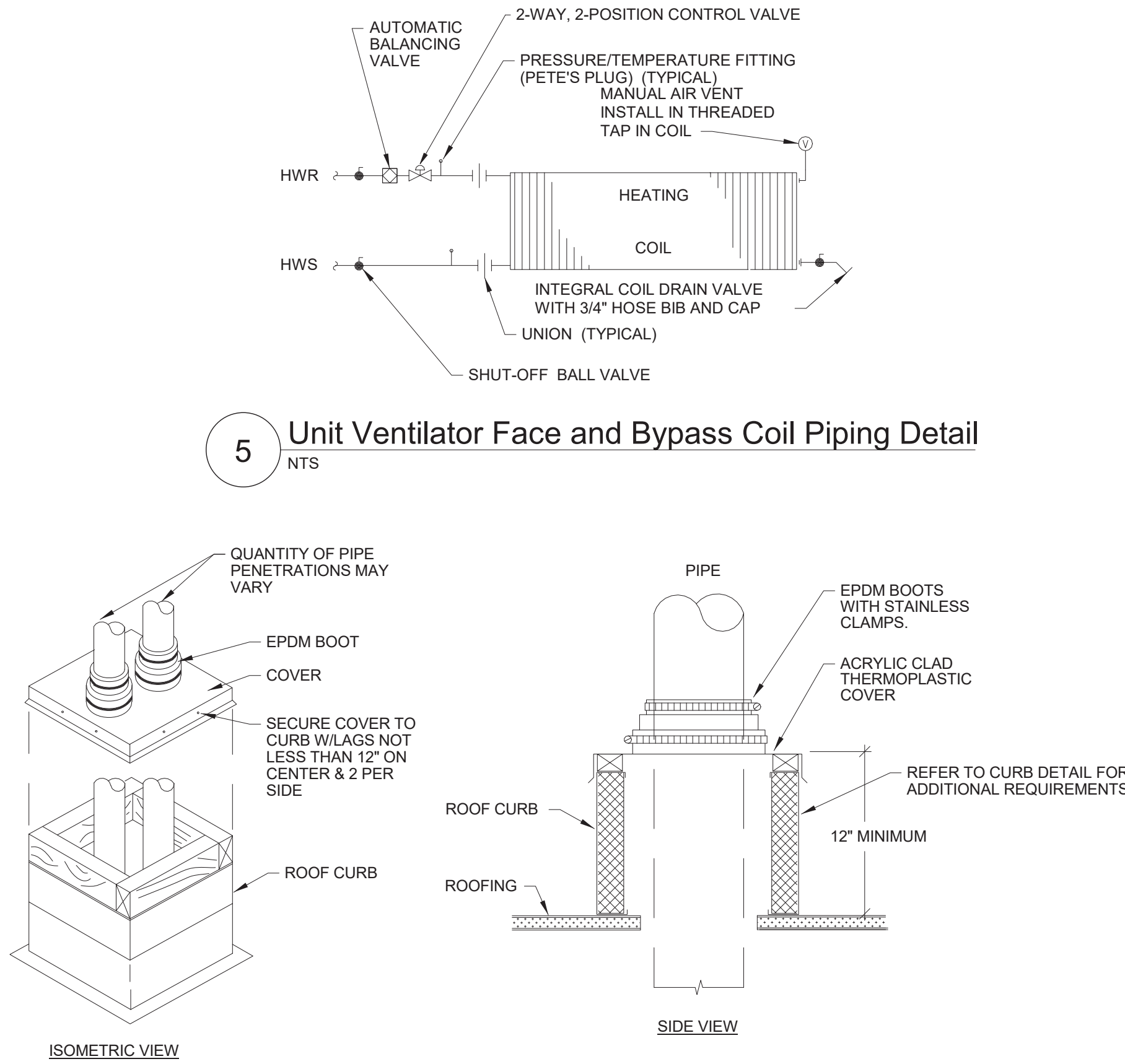
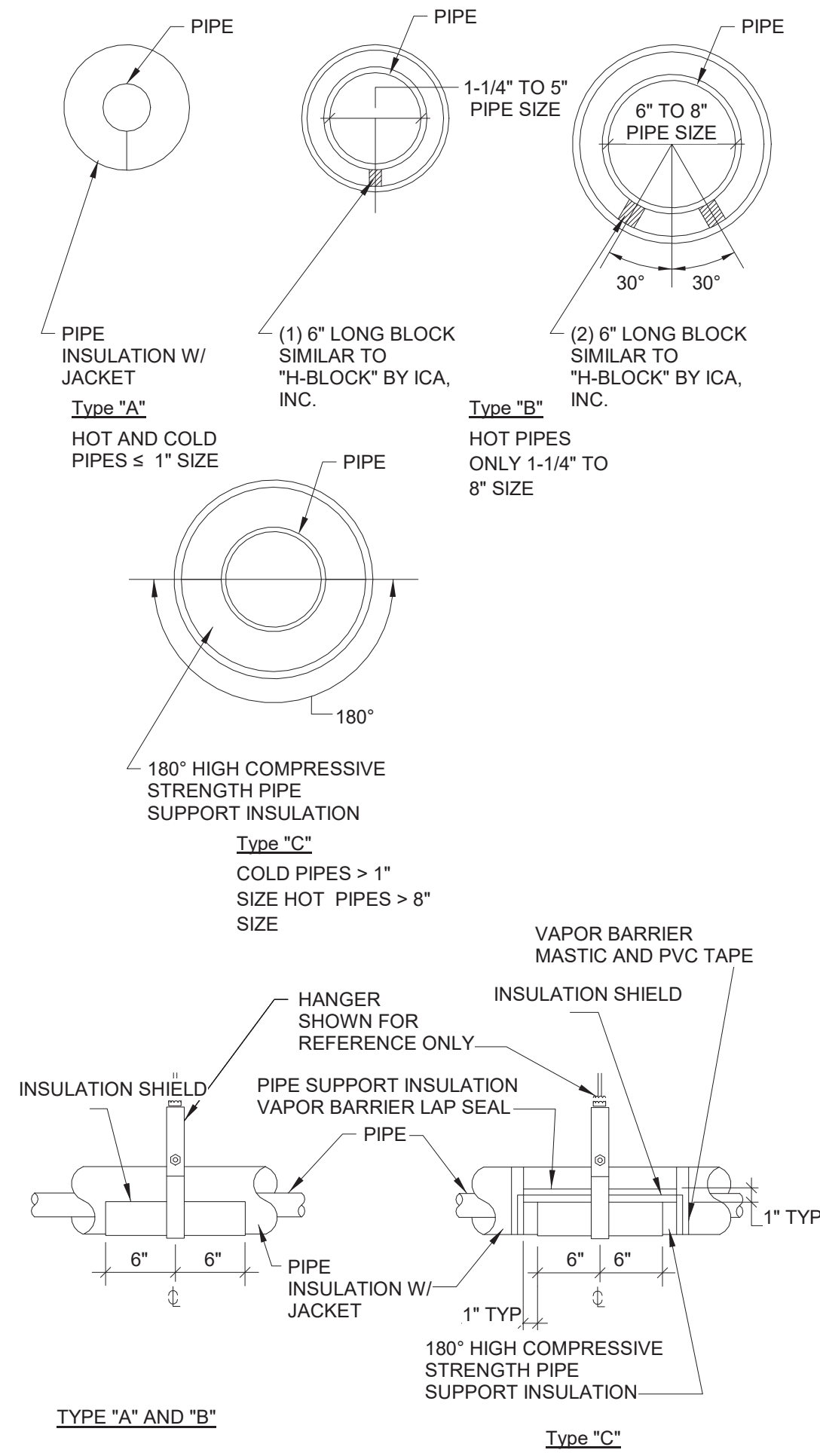
TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

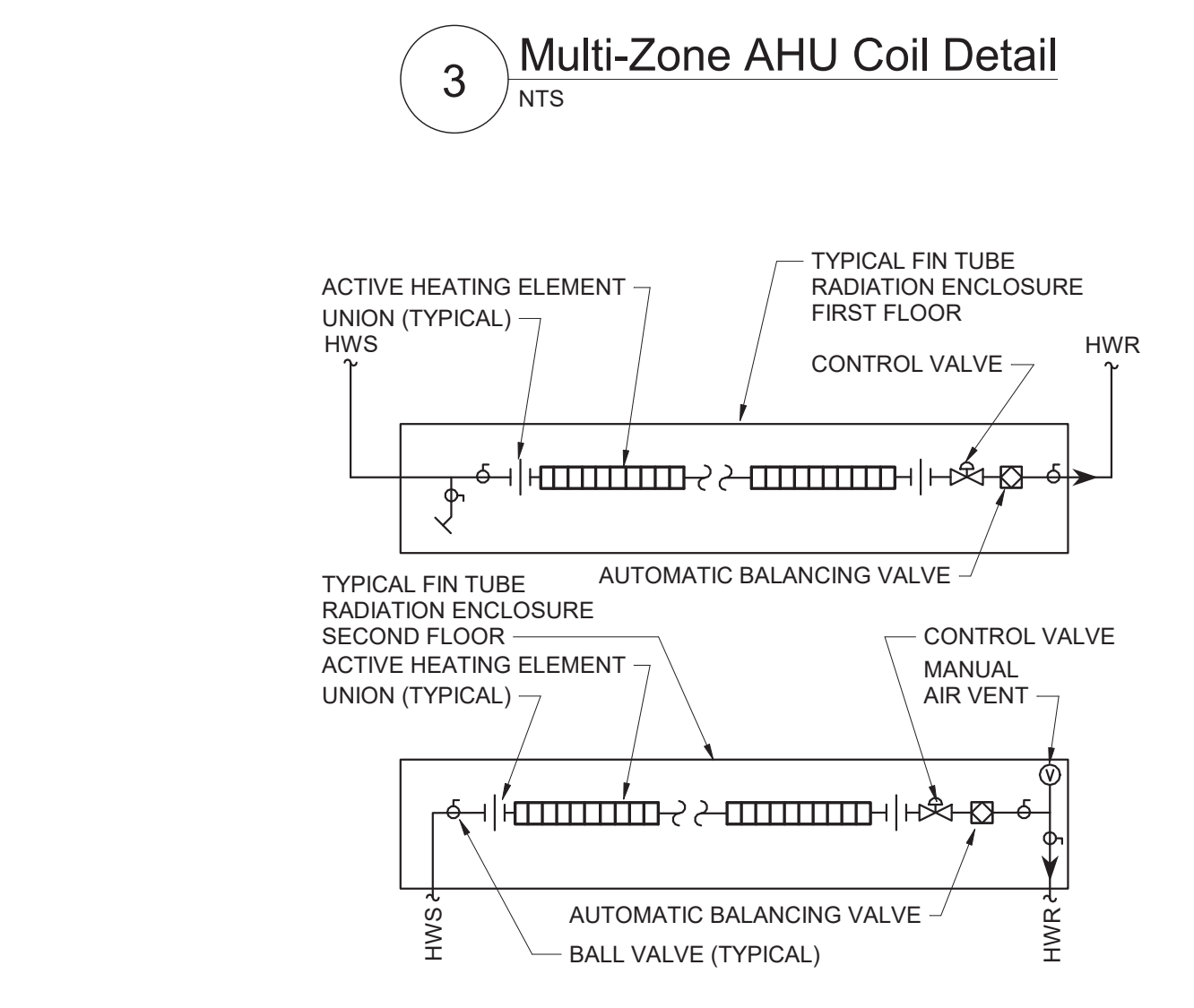
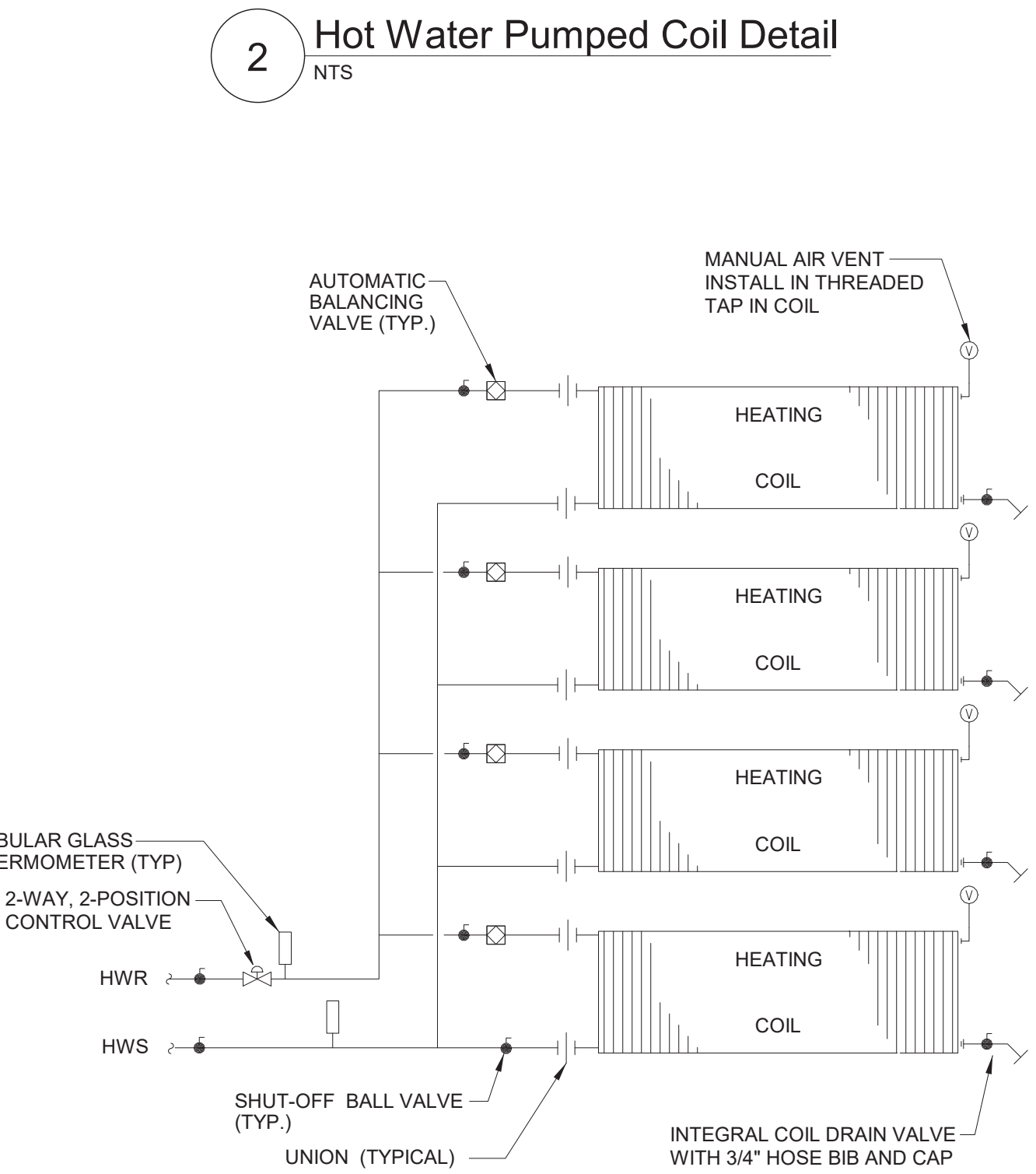
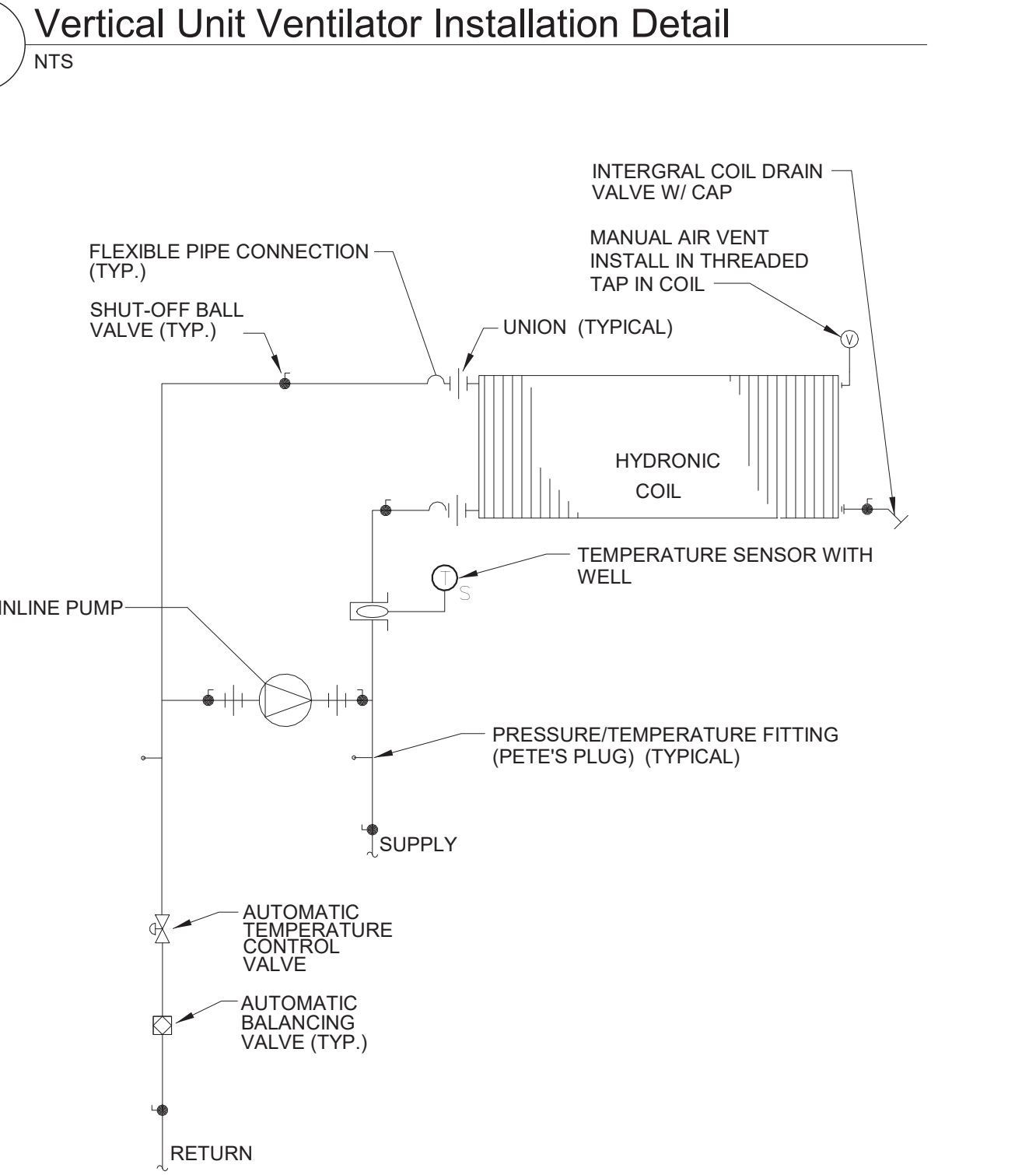
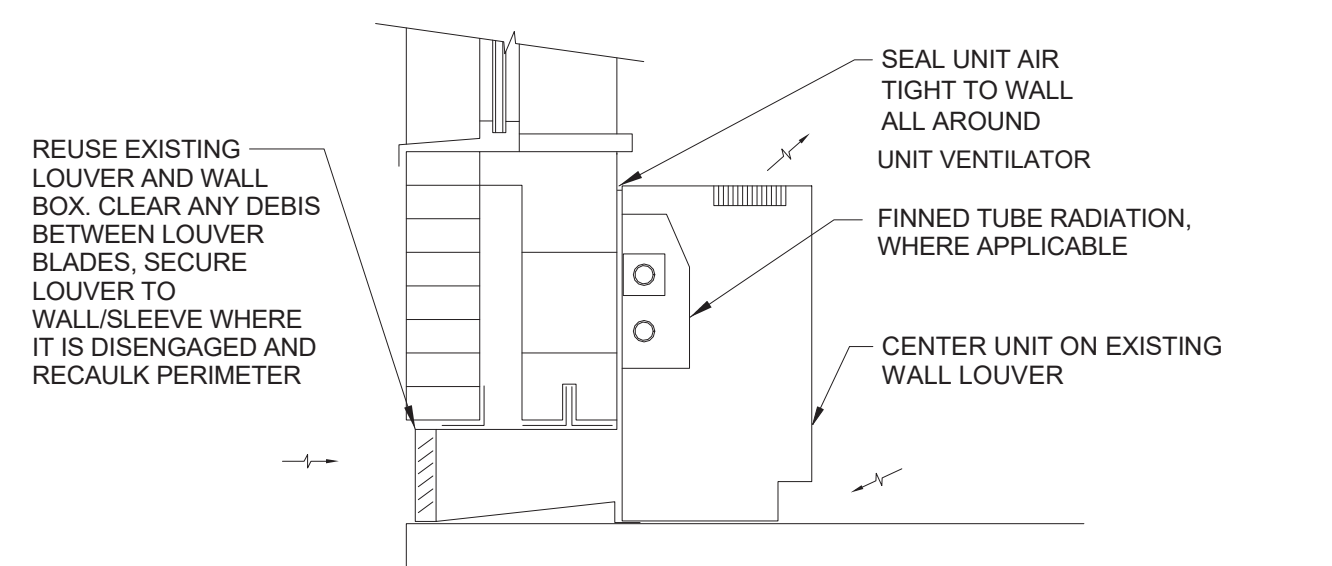
Reconstruction To:
Mahopac High School

Details

| | | |
|----------------------|------------------|-----------------|
| Drawn By: DPM/jtk | Date: 8/21/20 | Drawing Number: |
| Project No.: | 121111-19002 | AM500 |



8 Variable Refrigerant System Schematic - Band/Chorus/Music Storage
 NTS



4 Hot Water Fin Tube Radiation
 NTS

S.E.D. Control No. 48-01-01-06-0-004-020

| Rev. No. | Date | Description |
|----------|------|-------------|
| | | |
| | | |
| | | |



complex world | CLEAR SOLUTIONS

Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

TETRA TECH
 ARCHITECTS & ENGINEERS

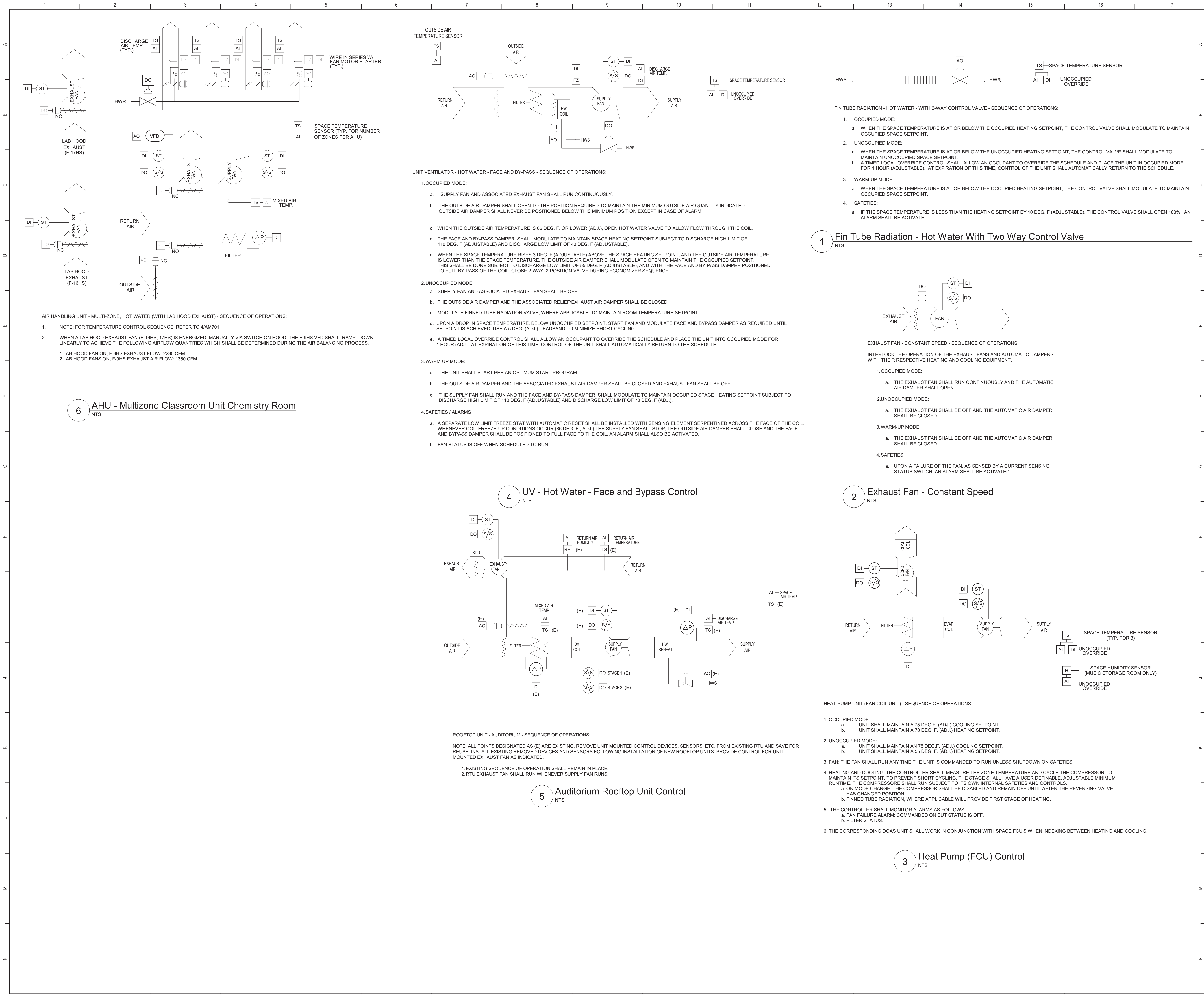
Mahopac Central School District
 Mahopac, NY

Reconstruction To:
 Mahopac High School

Details

| | | |
|------------------------------|------------------|-----------------|
| Drawn By: DPM/jtk | Date: 8/21/20 | Drawing Number: |
| Project No.: 121111-19002 | AM501 | |

<



TEMPERATURE CONTROLS SYMBOLS LIST

| | |
|-------|-----------------------------------|
| AI | ANALOG IN |
| AO | ANALOG OUT |
| COM | COMMUNICATIONS PORT |
| CS | AIRBORNE CONTAMINANT SENSOR |
| DI | DIGITAL IN |
| DM | DAMPER MOTOR |
| DO | DIGITAL OUT |
| EMCS | ENERGY MANAGEMENT CONTROL SYSTEM |
| F | FLOW (WATER/AIR) |
| FM | FLOW METER |
| FS | AIR FLOW SENSOR |
| FZ | FREEZE STAT |
| H | HUMIDITY SENSOR |
| HL | HIGH LIMIT |
| KWH | KILOWATT HOUR METER |
| LL | LOW LIMIT |
| M/S | MANUAL SWITCH STOP / START |
| P | PRESSURE SENSOR |
| ΔP | DIFFERENTIAL PRESSURE |
| PS | POSITION SENSOR |
| S/S | STOP / START |
| SD | SMOKE DETECTOR |
| ST | STATUS |
| START | STARTER |
| T | ADJUSTABLE THERMOSTAT |
| TS | TEMPERATURE SENSOR |
| VFD | VARIABLE FREQUENCY DRIVE |
| WS | WATER SENSOR |
| % | PERCENT |
| ES | END SWITCH |
| ⬡ | VAV AIRFLOW SENSOR |
| — | TEMPERATURE SENSOR CAPILLARY TUBE |

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.: Date: Description:



complex world
CLEAR SOLUTIONS

Tetra Tech Engineers, Architects
& Landscape Architects, P.C.



Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Controls

Drawn By: DPM/jtk Date: 8/21/20 Drawing Number:

Project No.:
121111-19002

AM700

