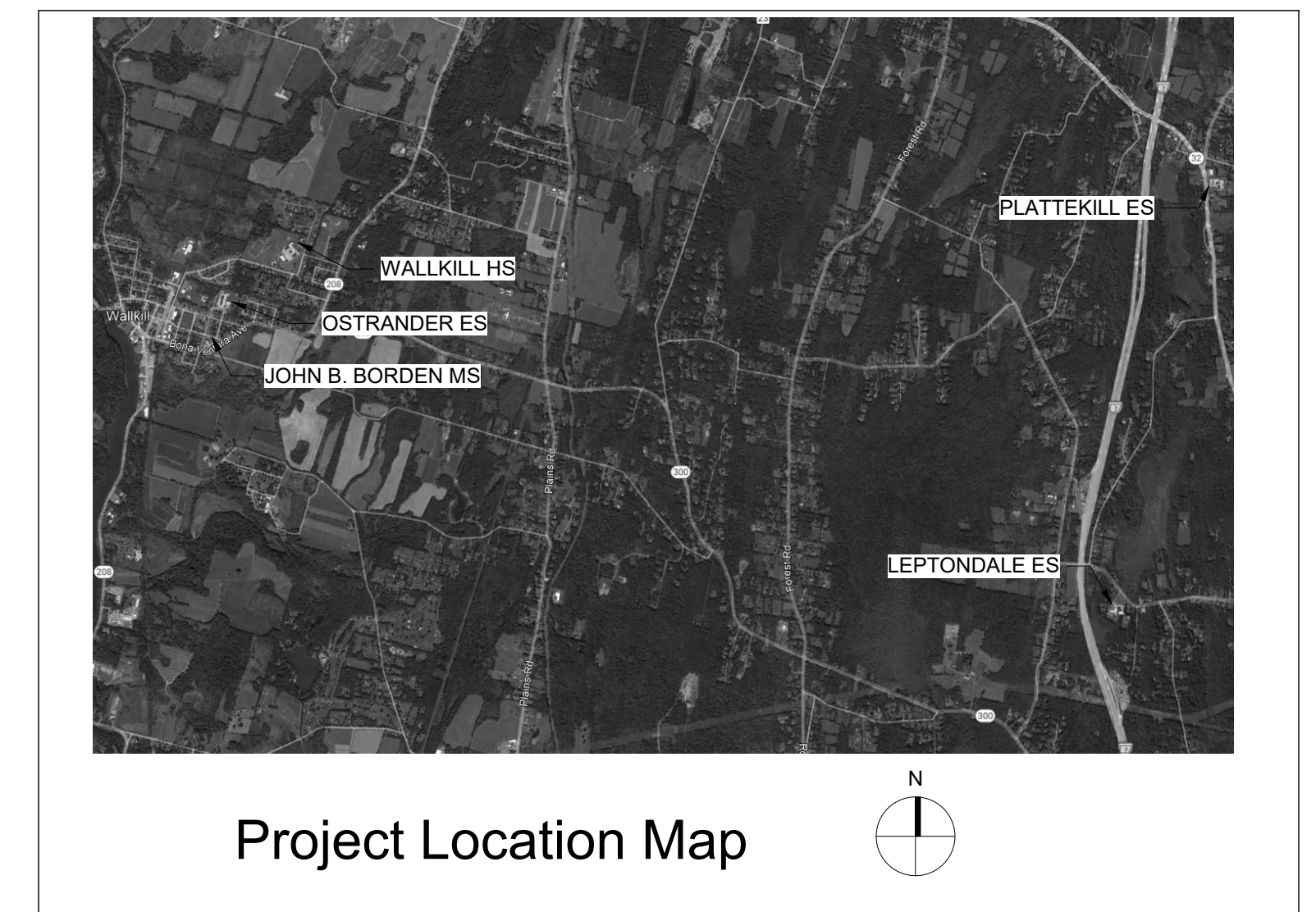


Reconstruction to:
Wallkill Senior High School
John G. Borden Middle School
Ostrander Elementary School
Plattekill Elementary School
Leptondale Elementary School
Wallkill Central School District
Wallkill, New York

62-18-01-06-0-007-018
62-18-01-06-0-002-014
62-18-01-06-0-003-014
62-18-01-06-0-005-015
62-18-01-06-0-001-019



Drawing List

GENERAL
G002 Title Sheet
G100 Symbols and Abbreviations

Plattekill Elementary School

CODE COMPLIANCE

DG350 Code Compliance Review

DG351 First Floor - Scope of Work and Rescue Window Locations

HAZARDOUS MATERIALS
DHAZ1 Interior Abatement Plan
02
DHAZ1 First Floor Abatement Plan
03
DHAZ1 Roof Abatement Plan
04

ARCHITECTURAL

DA051	Basement and First Floor Key Plans
DA052	Roof Plan
DA100	Basement Floor Demolition Plan
DA101	First Floor Demolition Plan - Area A
DA102	First Floor Demolition Plan - Area B
DA103	First Floor Demolition Plan - Area C
DA130	Basement Floor Plan
DA131	First Floor Plan - Area A
DA132	First Floor Plan - Area B
DA133	First Floor Plan - Area C
DA161	First Floor Reflected Ceiling Plan - Partial Areas A and B
DA400	Enlarged Plans / Interior Elevations
DA600	Door Schedule, Door and Window Types, and Details
DA900	Interior Elevations, Details and Signage

STRUCTURAL

DS130 Partial Roof Framing Plan Areas A & B
DS500 Typical and Framing Details

MECHANICAL

DM051 First Floor Key Plan

Plattekill Elementary School

DM052	Roof Key Plan and Partial Area A Plan
DM101	Partial First Floor Plans Areas A and B
DM102	Partial First Floor Plans - Area B
DM103	Partial Roof Plans - Area B
DM500	Details
DM600	Schedules
DM700	Control Sequences

ELECTRICAL

DE050	First Floor Key Plan
DE101	Partial First Floor Demolition Plans - Areas A and B
DE102	Roof Demolition Plan
DE130	Partial First Floor Lighting Plan - Areas A and B
DE160	Partial Basement and First Floor Power, Communications and Fire Alarm Plan
DE161	Roof Power, Communications and Fire Alarm Plan
DE500	Details
DE501	Details
DE600	Schedules

PLUMBING

DP130 Enlarged Basement Plan, Schedule and Details

Leptondale Elementary School

CODE COMPLIANCE	
EG350	Code Compliance Review
EG351	First Floor - Scope of Work and Rescue Window Locations
EG352	Second Floor - Rescue Window Locations

HAZARDOUS MATERIALS
EHAZ10 Partial Roof Abatement Plan - Area C
5

ARCHITECTURAL

EA051	First Floor Key Plan
EA052	Second Floor Key Plan
EA053	Roof Plan
EA101	First Floor Demolition Plan - Area A
EA102	First Floor Demolition Plan - Area B
EA104	Second Floor Demolition Plan - Partial Area B and Area C
EA131	First Floor Plan - Area A
EA132	First Floor Plan - Area B
EA134	Second Floor Plan - Partial Area B and Area C
EA161	First Floor Reflected Ceiling Plan
EA162	Second Floor Reflected Ceiling Plan
EA400	Enlarged Plans / Interior Elevations
EA600	Door Schedule, Door and Window Types, and Details
EA900	Interior Elevation, Details and Signage

STRUCTURAL

ES130	Partial Roof Framing Plan - Areas B and C, Notes and Schedules
ES500	Typical Details

MECHANICAL

EM051	First and Second Floor Key Plans
EM101	Partial First Floor Plans - Areas A and B
EM102	Partial Second Floor Plans - Area C
EM103	Partial Roof Demolition Plans - Areas A, B and C

Leptondale Elementary School

EM104	Partial Roof Plans - Areas A, B and C
EM500	Details
EM600	Schedules and Controls
EM700	Controls

ELECTRICAL

EE051	Key Plans
EE101	Partial First Floor and Demolition Plans Areas B & C
EE102	Partial Second Floor Demolition Plans - Areas B and C
EE103	Roof Demolition Plan
EE130	Partial First Floor Lighting Plan Areas A and B
EE131	Partial Second Floor Lighting Plan - Areas B and C
EE160	Partial First Floor Power, Communications and Fire Alarm Plans Areas A and B
EE161	Partial Second Floor Power, Communications and Fire Alarm Plan - Area B and C
EE163	Roof Power Plan
EE500	Details and Diagrams
EE600	Schedules

Common

ARCHITECTURAL
ZA750 Roof Details

The diagram shows a drawing title block with the following components and callouts:

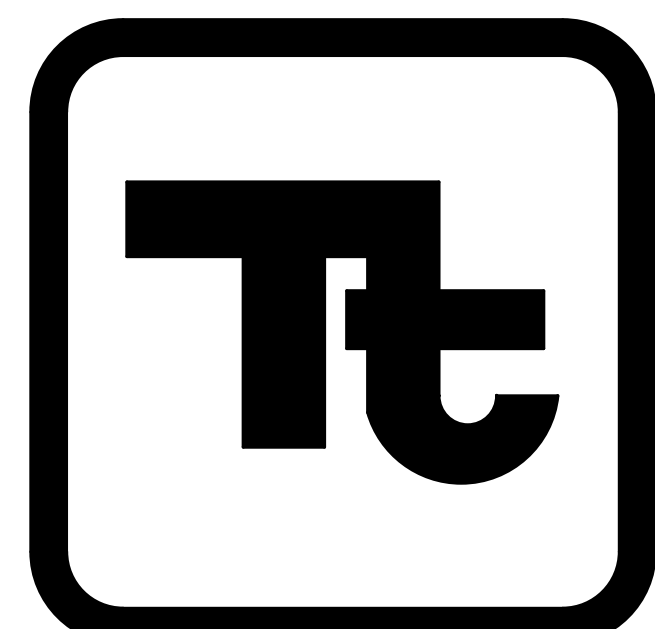
- Drawn By:** Author
- Date:** 11/4/2022
- Drawing Number:** AA130
- Project No.:** 17597-22001
- BUILDING DESIGNATOR** (points to the first digit of the drawing number)
- DISCIPLINE DESIGNATOR** (points to the second digit of the drawing number)
- SHEET TYPE DESIGNATOR** (points to the third digit of the drawing number)
- SHEET SEQUENCE DESIGNATOR** (points to the fourth digit of the drawing number)

VOLUME 2 OF 2 ☐

Set No.

Drawing Number:

G002



TETRA TECH
ARCHITECTS & ENGINEERS

Architecture Engineering Planning for High Performance Facilities

To the best of the Architect's knowledge, information and belief, the design of this project conforms to all applicable provisions of the New York State Uniform Fire Prevention and Building Code, the New York State Energy Conservation Code, and the building standards of the New York State Education Department.

BID SET

17597-22001
11/4/2022

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

	SPOT ELEVATION
	TOP OF CURB ELEVATION
	BOTTOM OF CURB ELEVATION
	EXISTING SPOT ELEVATION
	CONTOUR
	EXISTING CONTOUR
	SOIL TEST BORING
	TEST PIT LOCATION
	TREE OR SHRUB
	TREE OR SHRUB TO REMAIN
	TREE OR SHRUB TO BE REMOVED
	ASPHALT PAVING OR TOP COURSE
	HEAVY DUTY ASPHALT PAVING
	REMOVE AND REPLACE ASPHALT PAVING
	CONCRETE PAVING
	CONCRETE SECTION
	CURBING
	CURBING TO REMAIN
	CURBING TO BE REMOVED
	FENCING
	FENCING TO REMAIN
	FENCING TO BE REMOVED
	SILT FENCING
	TEMPORARY CONSTRUCTION FENCING
	HAY BALES
	TEMPORARY TREE PROTECTION
	UTILITY POLE
	UTILITY POLE TO REMAIN
	UTILITY POLE TO BE REMOVED
	NEW OR RELOCATED FIRE HYDRANT
	FIRE HYDRANT TO REMAIN
	DROP INLET
	CATCH BASIN
	STORMS/SANITARY MANHOLE
	DROP INLET TO REMAIN
	MANHOLE/CATCH BASIN/DRYWELL TO REMAIN
	DRYWELL W/ GRATE
	DRYWELL W/ SOLID COVER TO GRADE
	DRYWELL W/ COVER BURIED
	STORM LINE WITH HEADWALL
	STORM LINE WITH ENDWALL
	STORM LINE WITH END SECTION
	STORM PIPE
	STORM PIPE TO REMAIN
	STORM PIPE TO BE REMOVED/ABANDONED
	UNDERDRAIN
	UNDERDRAIN TO REMAIN
	UNDERDRAIN TO BE REMOVED/ABANDONED
	SANITARY LINE
	SANITARY LINE TO REMAIN
	SANITARY LINE TO BE REMOVED/ABANDONED
	GAS LINE
	GAS LINE TO REMAIN
	GAS LINE TO BE REMOVED/ABANDONED
	WATER LINE
	WATER LINE TO REMAIN
	WATER LINE TO BE REMOVED/ABANDONED
	STORMS/SANITARY CLEANOUT
	GATE VALVE
	SIGN POST
	UNIVERSAL HANDICAP SYMBOL
	REMOVAL
	RIP-RAP

	EXISTING TO REMAIN
	DEMOLITION WORK
	NEW WORK IN EXISTING (MATERIAL INDICATION VARIES)
	NEW WORK (MATERIAL INDICATION VARIES)
	CMU AND BRICK CAVITY WALL
	CMU WALL
	GYPSON BOARD PARTITION W/ METAL STUD WALL
	OPERABLE PARTITION
	DOOR NUMBER (ROOM NO W/ DOOR NO)
	WINDOW TYPE
	RELOCATED EQUIPMENT FURNITURE OR CASEWORK NUMBER
	PARTITION TYPE
	BOARD UNIT SYMBOL
	FINISH CHANGE
ROOF SYMBOLS	
	AREA OF TAPERED INSULATION
	EXISTING ROOF DRAIN WITH RETROFIT ROOF DRAIN INSERT IN NEW FACTORY-TAPERED SUMP
	EJ/CONTROL JOINT

INDICATES AREA IS EXISTING

INDICATES SLAB IS DERESSED OR RECESSED

TOP OF FTG ELEVAT FROM DATUM

CONTINUOUS FTG

FOUNDATION WALL

BM POCKET ELEVATION FROM DATUM

STEPPED FOOTING

INDICATES PIER TYPE

P1 (-8)

TOP OF PIER ELEVATION FROM DATUM

F4 [-3'-0"]

TOP OF FOOTING ELEVATION FROM DATUM

INDICATES FOOTING TO REFER TO FOOTING SCHEDULE

INDICATES A FRAME ROOF OR FLOOR OF COORD SIZE AND LOCATION

RD

INDICATES FRAMED CHNG IS FOR

RD = ROOF DRAIN

ME = MECH EQUIP

SL = SKYLIGHT

SH = SMOKE HATCH

AH = ACCESS HATCH

ELEVATION FROM DRAINING DATUM

BEAM SIZE

NUMBER OF SHEAR STUDS OVER FULL LENGTH OF BEAM

W8X15 (14) (GIR)

21K

INDICATES TOP OF AT ADJ GIRDER ELEV

END REACTION- KIP

DEFLECTION (INCHES APPROX W/ WET CO)

INTEL DESIGNATION SEE SCHEDULE

INDICATES INTEL CONNECTION TO COLUMN

INDICATES MEMBER IS EXISTING

INDICATES BEAM SPLICE

INDICATES MOMENT CONNECTION

OVER COLUMN

INDICATES SHEAR V CONNECTION TO BE

INDICATES BM TO H TOP OF WALL PLCS

JOIST DESIGNATION

JOIST

DIAGONAL BRIDGING

MASONRY LOAD BEARING WALL

SHEAR WALL SEE SCHEDULE

CFMF BEARING WALL

FIREWALL

SW1

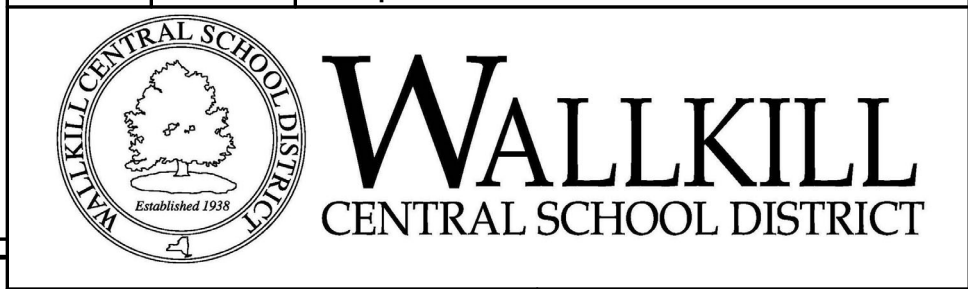
WALL TYPE

Symbol	Description	Symbol	Description	Symbol	Description
ATV	ATMOSPHERIC VENT		BASKET STRAINER		CONNECTION TO EXISTING PIPING
BBD	BOILER BLOW DOWN		DUPLEX BASKET STRAINER		PLATE STRAINER
CWS	CHILLED WATER SUPPLY		AQUATRUST		HOSE BIBB
CWR	CHILLED WATER RETURN		PITCH PIPING (DOWN)		COMPRESSED AIR
CGS	CHILLED GLYCOL SUPPLY		AUTOMATIC FLOW CONTROL VALVE		LABORATORY VENT
CGR	CHILLED GLYCOL RETURN		BACKFLOW PREVENTOR		LABORATORY WASTE
CD	CONDENSATE DRAIN		BALANCING VALVE		LABORATORY WASTE (BURIED)
C	CONDENSER WATER SUPPLY		BALL VALVE		VENT
CR	CONDENSER WATER RETURN		EXISTING BALL VALVE		SANITARY (ABOVE GRADE)
GS	GLYCOL SUPPLY		BUTTERFLY VALVE		SANITARY (BURIED)
GR	GLYCOL RETURN		CHECK VALVE		INDIRECT WASTE
HGS	HOT GLYCOL SUPPLY		2-WAY CONTROL MODULATING VALVE		STORM (ABOVE GRADE)
HGR	HOT GLYCOL RETURN		3-WAY CONTROL MODULATING VALVE (INSTALL STEM VERTICAL)		STORM (BURIED)
HPWS	HEAT PUMP SUPPLY		4-WAY CONTROL THERMOSTATIC MIXING VALVE (SELF-CONTAINED)		FIRE STANDPIPE
HPWR	HEAT PUMP RETURN		SOLENOID (ELECTRIC) ON/OFF		FIRE MAIN
HWS	HOT WATER SUPPLY		MOTORIZED MODULATING VALVE		FIRE SPRINKLER
HWR	HOT WATER RETURN		FUSIBLE LINK VALVE		EXISTING COLD WATER
HCS	HOT/CHILLED WATER SUPPLY		GAS PRESSURE REGULATOR VALVE		EXISTING HOT WATER
HCR	HOT/CHILLED WATER RETURN		TRIPLE DUTY VALVE		EXG HOT WATER RETURN
LPS	LOW PRESSURE STEAM		GATE VALVE		COLD WATER
LPC	LOW PRESSURE CONDENSATE		GLOBE VALVE		HOT WATER
LPWC	LOW PRESSURE STEAM WET (COLD/CONDENSATE)		OS&Y GATE VALVE		HOT WATER RETURN
MU	MECHANICAL EQUIPMENT MAKE-UP COLD WATER(NON-POTABLE)		PLUG VALVE		110° HOT WATER
RS	REFRIGERANT SUCTION		PRESSURE REDUCING VALVE		140° HOT WATER
RL	REFRIGERANT LIQUID		PRESSURE RELIEF VALVE		180° HOT WATER
HG	REFRIGERANT HOT GAS		STEAM TRAP		TEMPERED (HOT) WATER
PD	PUMP DISCHARGE		THERMOSTATIC STEAM TRAP		RAW WATER
EXG	EXISTING HVAC PIPE		FLOAT AND THERMOSTATIC STEAM TRAP		SOFT WATER
BTM	BOTTOM PIPE CONNECTION		BUCKET STEAM TRAP		DEIONIZED WATER
TP	TOP PIPE CONNECTION		AIR SEPARATOR		DISTILLED WATER
C	PIPE ELBOW DOWN		CIRCULATING PUMP		GAS
O	PIPE ELBOW UP		WATER HAMMER ARRESTOR		PROPANE
C	PIPE DOWN WITH CLEANOUT AT BASE		CLEANOUT PLUG		DIESEL FUEL
C	PIPE DOWN WITH SHUTOFF VALVE		CLEANOUT DECK PLATE		UNLEADED GASOLINE
E	CAP OR PLUG		FIRE RISER VALVE ASSEMBLY		EXG FUEL OIL SUPPLY
U	UNION CONNECTION		BURNER SHUT OFF		FUEL OIL SUPPLY
F	FLANGE CONNECTION		HUMIDISTAT		EXG FUEL OIL RETURN
R	PIPING REDUCER (CONCENTRIC)		HUMIDITY SENSOR		FUEL OIL RETURN
R	PIPING REDUCER (ECCENTRIC)		HUMIDITY SENSOR W/ GUARD		EXG FUEL OIL VENT
A	PIPE ANCHOR		PRESSURE SENSOR		FUEL OIL VENT
G	PIPE GUIDE		PRESSURE SENSOR W/ GUARD		MECHANICAL EQUIPMENT MAKE-UP COLD WATER (NON-POTABLE)
E	EXPANSION COMPENSATOR		SWITCH		EXISTING ROOF DRAIN
E	EXPANSION JOINT		THERMOSTAT		ROOF DRAIN REPLACING EXG
F	FLEX CONNECTOR		THERMOSTAT W/ GUARD		ROOF DRAIN
T	TEMPERATURE OR PRESSURE PROBE WELL		TEMPERATURE SENSOR		SCUPPER ROOF DRAIN
T	THERMOMETER		CO2 SENSOR		EXG PLUMBING FIXTURE TO BE REMOVED
P	PRESSURE SWITCH		POINT OF CONNECTION		EXG PLUMBING FIXTURE
P	PRESSURE GAUGE		FIRE DEPARTMENT CONNECTION		PLUMBING FIXTURE
TP	TEMPERATURE/ PRESSURE GAUGE		DIRECTION OF FLOW		FLOOR DRAINS
AV	MANUAL AIR VENT		PIPE BREAK		FLOOR SINK
SV	AUTOMATIC AIR VENT		WATER METER		WALL HYDRANT
VB	VACUUM BREAKER				FIRE HOSE CABINET
F	FLOW SWITCH				UPRIGHT SPRINKLER HEAD
M	FLOW METER				PENDANT SPRINKLER HEAD

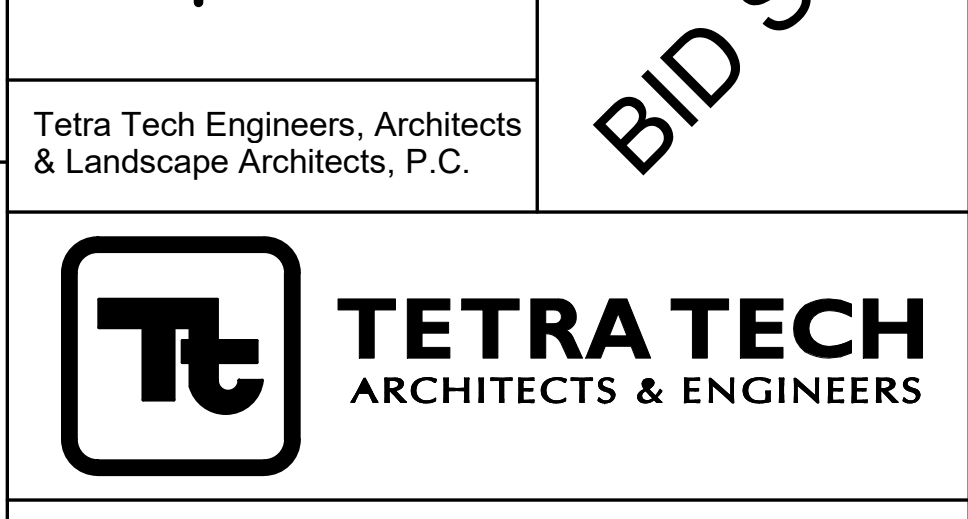
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			STANDARD REFERENCE BUBBLE
			DETAIL NUMBER
			DRAWING NUMBER
			Floor Plan 1/8"=1'-0"
			BUILDING SECTION
			CONTRACT LIMIT LINE
			ELEVATION CALL OUT
			WALL SECTION
			ELEVATION
			INTERIOR ELEVATION
			DETAIL
			NORTH ARROW
			PROPERTY LINE
			COLUMN CENTER LINE
			MATCH LINE
			CLASSROOM 101
			ROOM NAME AND NUMBER
			CUT LINE
			CENTER LINE
			DRAWING REVISION NUMBER
			EARTH
			GRAVEL
			SAND
			CONCRETE
			NEW ASPHALT PAVING OR TOP COURSE
			NEW HEAVY-DUTY ASPHALT PAVING
			REMOVE AND REPLACE ASPHALT PAVING
			BRICK
			CONCRETE MASONRY UNITS
			STONE
			FINISHED WOOD TRIM
			PLYWOOD
			INSULATION (LOOSE OR BATT)
			ROUGH WOOD
			STRUCTURAL GLAZED TILE
			RIGID INSULATION
			METAL, STEEL
			TERRAZZO
			ACOUSTICAL PANEL
			CERAMIC TILE
			RESILIENT FLOORING
			GLASS (LARGE SCALE)
			PLASTER, CEMENT, GROUT, GYPSUM WALL BOARD

Rev. No.:	Date:	Description:
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complex world	CLEAR SOLUTIONS	SET
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Wallkill Central School District
Wallkill, New York

Reconstruction to: Wallkill Senior High School John G. Borden Middle School Ostrander Elementary School Plattekill Elementary School Leptondale Elementary School

Symbols and Abbreviations

Drawn By: TTAE	Date: 11/4/2022	Drawing Number:
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Project No.:	G100
17597-22001	

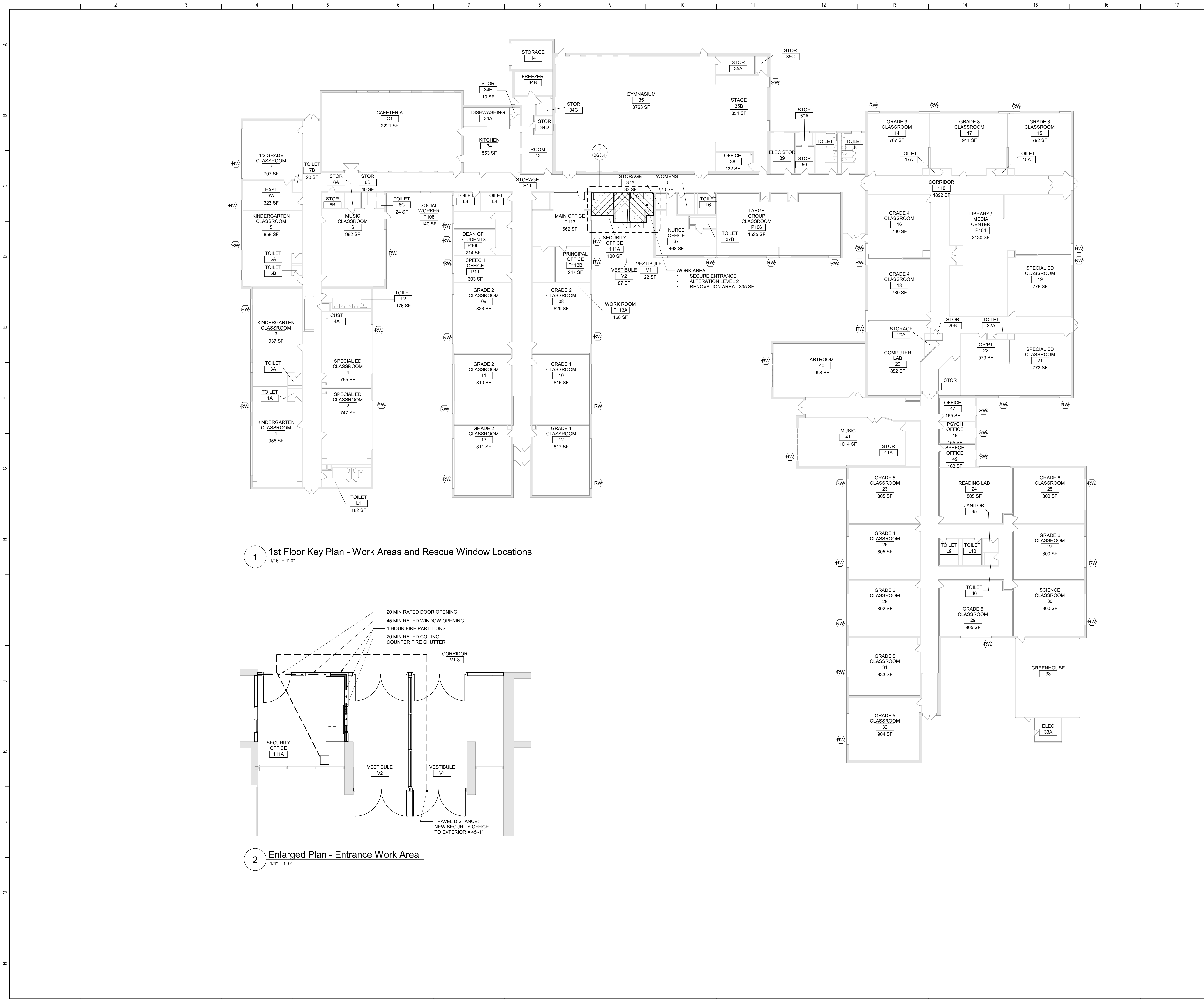
11331-11334	5-133
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1. REFER TO PLANS FOR RESCUE WINDOW LOCATIONS.
2. REFER TO SPECIFICATION SECTION 10 14 00 AND SIGNAGE DRAWINGS FOR TYPES AND LOCATIONS.

2001 BUILDING ADDITION

Drawn By: Author	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001		DG350



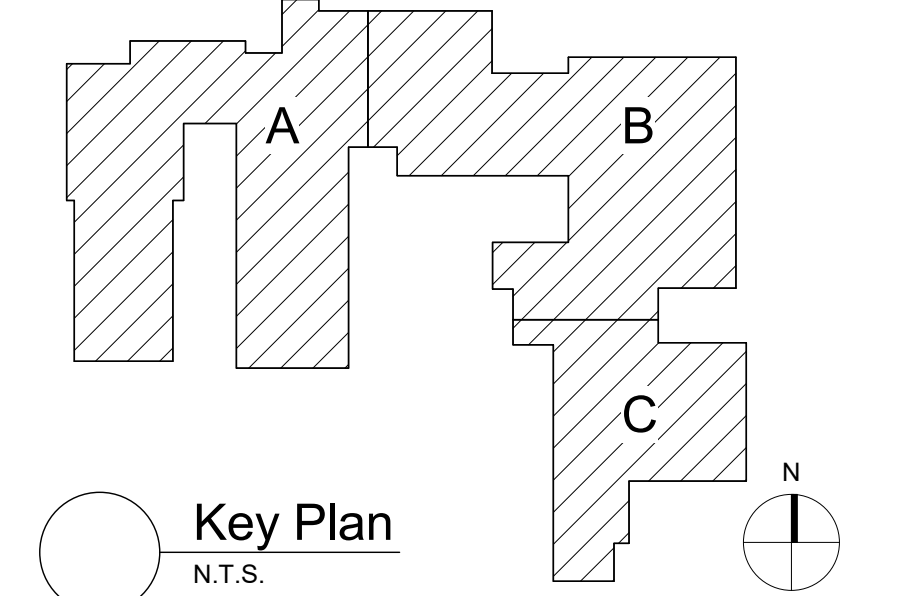
General Code Notes

- A. COORDINATE WITH FLOOR PLANS, WALL SECTIONS AND PARTITION TYPES FOR RATED WALL TYPES AND LOCATIONS. IMMEDIATELY NOTIFY ARCHITECT OF ANY WALL RATING DISCREPANCIES BETWEEN DRAWINGS.
- B. ALL WALLS, INCLUDING AT CORRIDORS, SHALL EXTEND COMPLETELY TO THE UNDERSIDE OF DECKING, SUPPORTING STRUCTURE OR ROOF ABOVE, TYPICAL UNLESS NOTED OTHERWISE.
- C. AT AREAS OF PROJECT WORK, COMPLETELY SEAL ALL PENETRATIONS REQUIRED TO COMPLY WITH FIRE RESISTANCE RATINGS IDENTIFIED ON THE DRAWINGS, REGARDLESS IF WALL IS NEW OR EXISTING, TYPICAL UNLESS NOTED OTHERWISE.

Legend

ALL WALLS, INCLUDING CORRIDOR WALLS, EXTEND TO THE ROOF DECK OR FLOOR DECK ABOVE UNLESS NOTED OTHERWISE.

- 1-HOUR FIRE PARTITION
- XX NUMBER OF OCCUPANTS IN EACH SPACE, UNO
- RW RESCUE WINDOW
- 1941 ORIGINAL BUILDING
- 1953 BUILDING ADDITION
- 1958 BUILDING ADDITION
- 1959 BUILDING ADDITION
- 1973 BUILDING ADDITION
- 1989/1990 BUILDING ADDITION
- 1991 BUILDING ADDITION
- 2001 BUILDING ADDITION



S.E.D. Control No. 62-18-01-06-0-005-015

Rev. No.: Date: Description:



complex world CLEAR SOLUTIONS

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

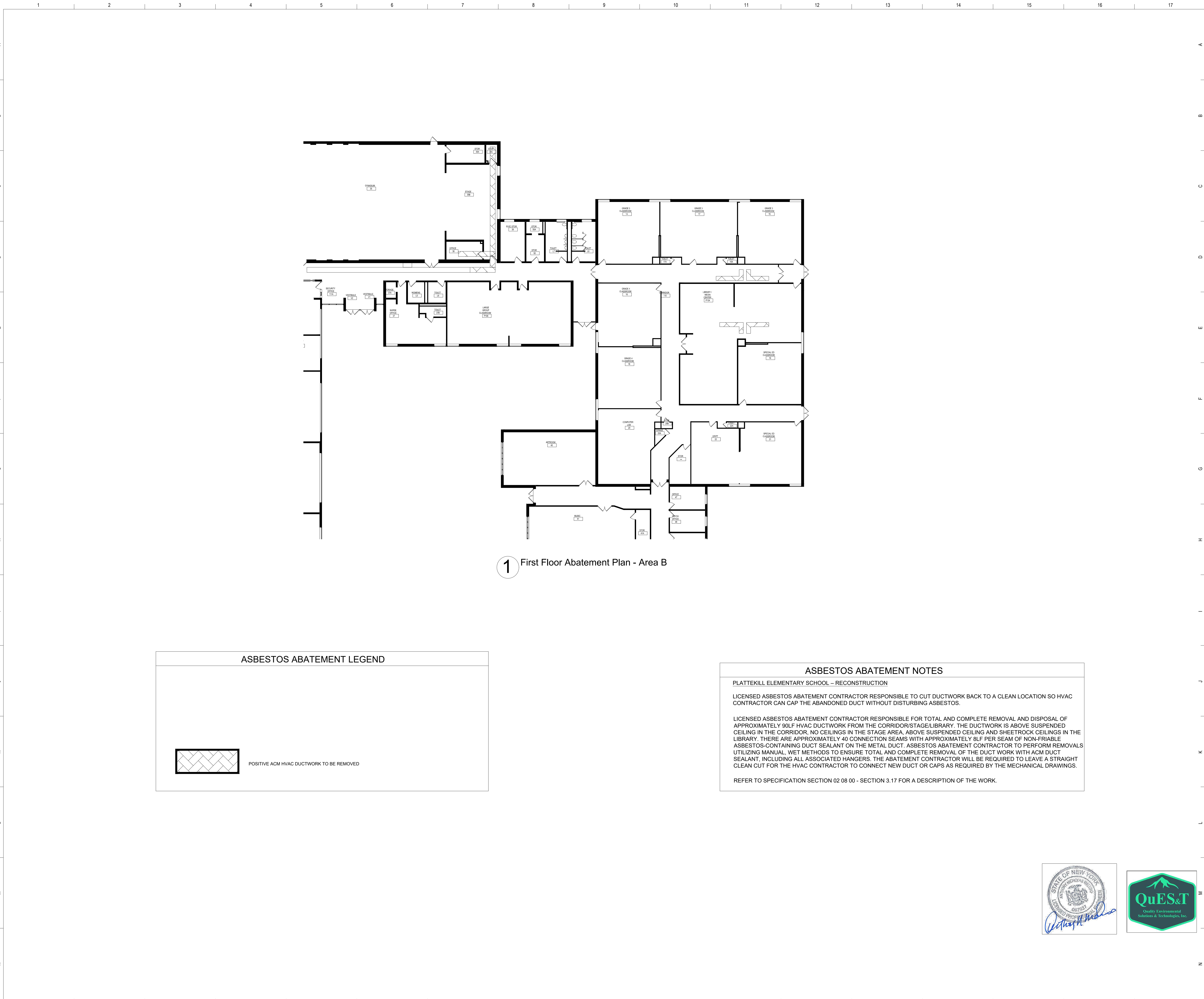


Walkkill Central School District
Walkkill, New York

Reconstruction to:
Plattekill Elementary School

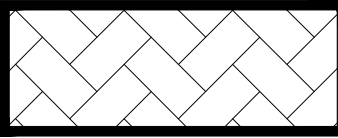
First Floor - Scope of Work and Rescue Window Locations

Drawn By: Author Date: 11/4/2022 Drawing Number: Project No.: 17597-22001 DG351



1 First Floor Abatement Plan - Area B

ASBESTOS ABATEMENT LEGEND

 POSITIVE ACM HVAC DUCTWORK TO BE REMOVED

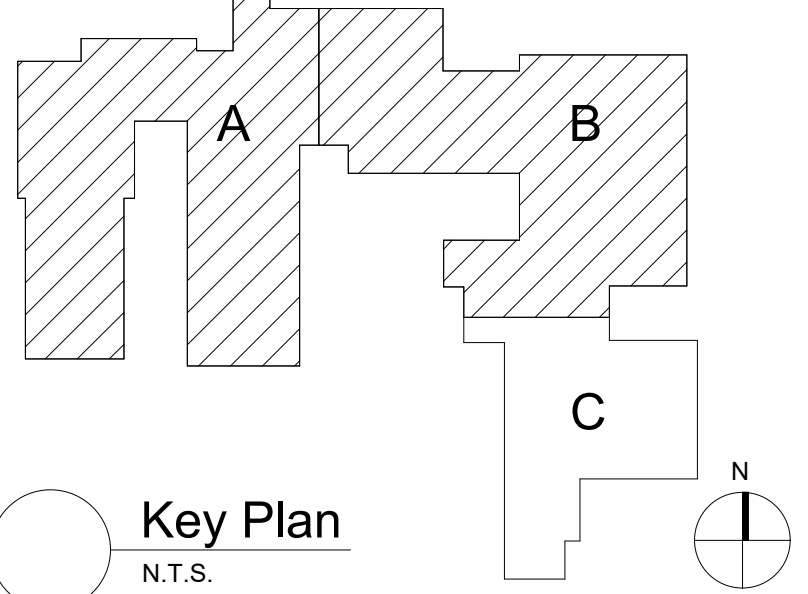
ASBESTOS ABATEMENT NOTES

PLATTEKILL ELEMENTARY SCHOOL – RECONSTRUCTION

LICENSED ASBESTOS ABATEMENT CONTRACTOR RESPONSIBLE TO CUT DUCTWORK BACK TO A CLEAN LOCATION SO HVAC CONTRACTOR CAN CAP THE ABANDONED DUCT WITHOUT DISTURBING ASBESTOS.

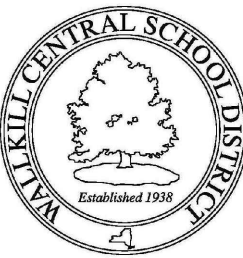
LICENSED ASBESTOS ABATEMENT CONTRACTOR RESPONSIBLE FOR TOTAL AND COMPLETE REMOVAL AND DISPOSAL OF APPROXIMATELY 90LF HVAC DUCTWORK FROM THE CORRIDOR/STAGE/LIBRARY. THE DUCTWORK IS ABOVE SUSPENDED CEILING IN THE CORRIDOR, NO CEILINGS IN THE STAGE AREA, ABOVE SUSPENDED CEILING AND SHEETROCK CEILINGS IN THE LIBRARY. THERE ARE APPROXIMATELY 40 CONNECTION SEAMS WITH APPROXIMATELY 8LF PER SEAM OF NON-FRIABLE ASBESTOS-CONTAINING DUCT SEALANT ON THE METAL DUCT. ASBESTOS ABATEMENT CONTRACTOR TO PERFORM REMOVALS UTILIZING MANUAL, WET METHODS TO ENSURE TOTAL AND COMPLETE REMOVAL OF THE DUCT WORK WITH ACM DUCT SEALANT, INCLUDING ALL ASSOCIATED HANGERS. THE ABATEMENT CONTRACTOR WILL BE REQUIRED TO LEAVE A STRAIGHT CLEAN CUT FOR THE HVAC CONTRACTOR TO CONNECT NEW DUCT OR CAPS AS REQUIRED BY THE MECHANICAL DRAWINGS.

REFER TO SPECIFICATION SECTION 02 08 00 - SECTION 3.17 FOR A DESCRIPTION OF THE WORK.



Key Plan
N.T.S.

S.E.D. Control No. 62-18-01-06-0-005-015



WALLKILL
CENTRAL SCHOOL DISTRICT

BID SET

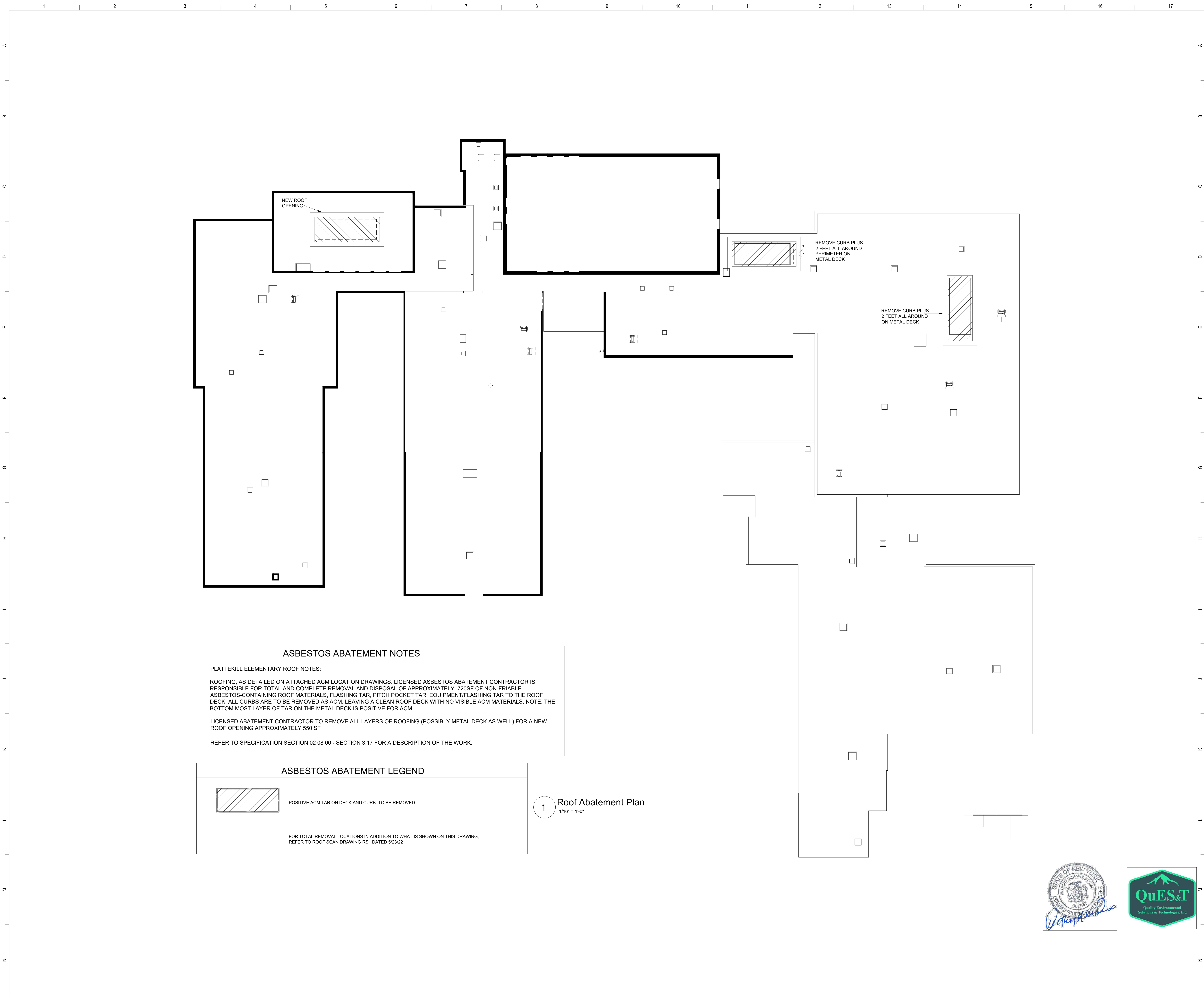
Quality Environmental Solutions & Technologies, Inc.
1298 NYS Route 9
Wappingers Falls, NY 12590
Tel: (845) 298-6031

Wallkill Central School District
Wallkill, New York

Reconstruction to:
Plattekill Elementary School

First Floor Abatement Plan

Drawn By: AMLG	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001		DHAZ103



ASBESTOS ABATEMENT NOTES

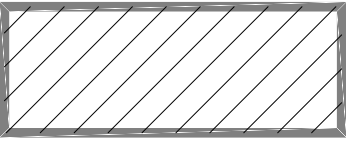
PLATTEKILL ELEMENTARY ROOF NOTES:

ROOFING, AS DETAILED ON ATTACHED ACM LOCATION DRAWINGS. LICENSED ASBESTOS ABATEMENT CONTRACTOR IS RESPONSIBLE FOR TOTAL AND COMPLETE REMOVAL AND DISPOSAL OF APPROXIMATELY 720SF OF NON-FRIABLE ASBESTOS-CONTAINING ROOF MATERIALS; FLASHING TAR, PITCH POCKET TAR, EQUIPMENT/FLASHING TAR TO THE ROOF DECK. ALL CURBS ARE TO BE REMOVED AS ACM. LEAVING A CLEAN ROOF DECK WITH NO VISIBLE ACM MATERIALS. NOTE: THE BOTTOM MOST LAYER OF TAR ON THE METAL DECK IS POSITIVE FOR ACM.

LICENSED ABATEMENT CONTRACTOR TO REMOVE ALL LAYERS OF ROOFING (POSSIBLY METAL DECK AS WELL) FOR A NEW ROOF OPENING APPROXIMATELY 550 SF

REFER TO SPECIFICATION SECTION 02 08 00 - SECTION 3.17 FOR A DESCRIPTION OF THE WORK.

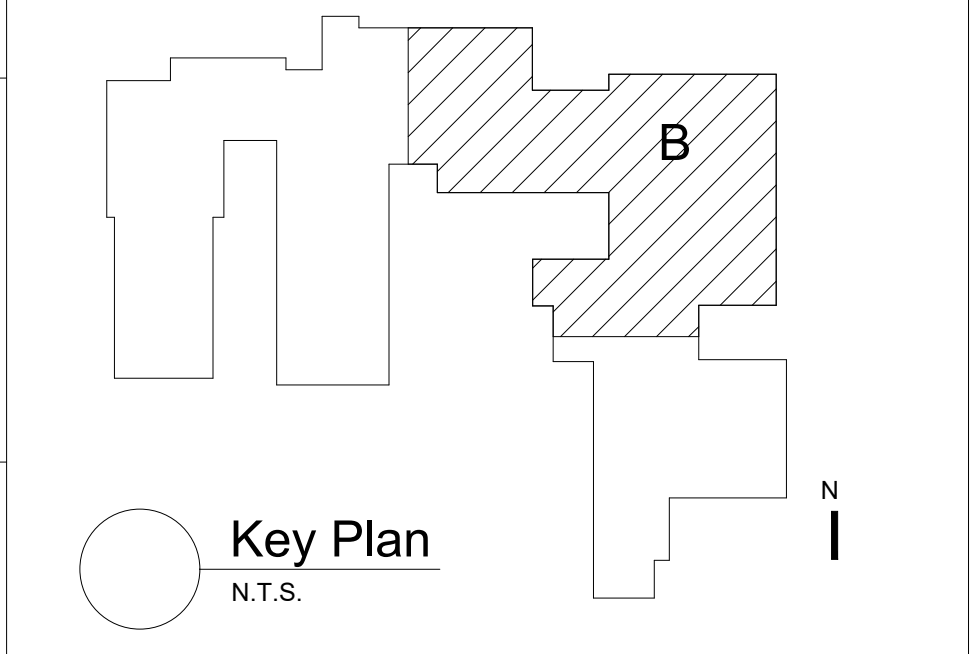
ASBESTOS ABATEMENT LEGEND

 POSITIVE ACM TAR ON DECK AND CURB TO BE REMOVED

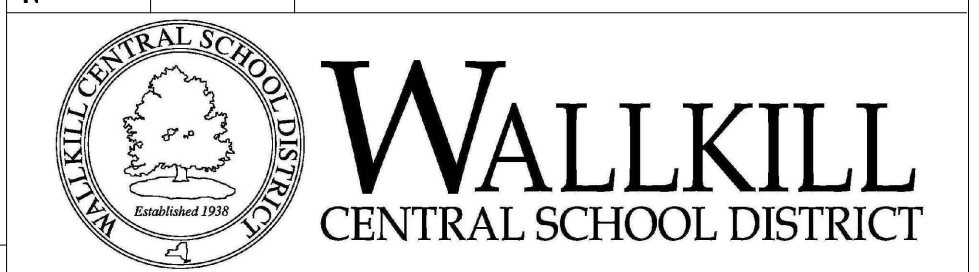
FOR TOTAL REMOVAL LOCATIONS IN ADDITION TO WHAT IS SHOWN ON THIS DRAWING, REFER TO ROOF SCAN DRAWING RS1 DATED 5/23/22

1 Roof Abatement Plan
1/16" = 1'-0"

GENERAL NOTES
A. REFER TO DRAWING DE101 FOR GENERAL DEMOLITION NOTES.



S.E.D. Control No. 62-18-01-06-0-005-015



BID SET

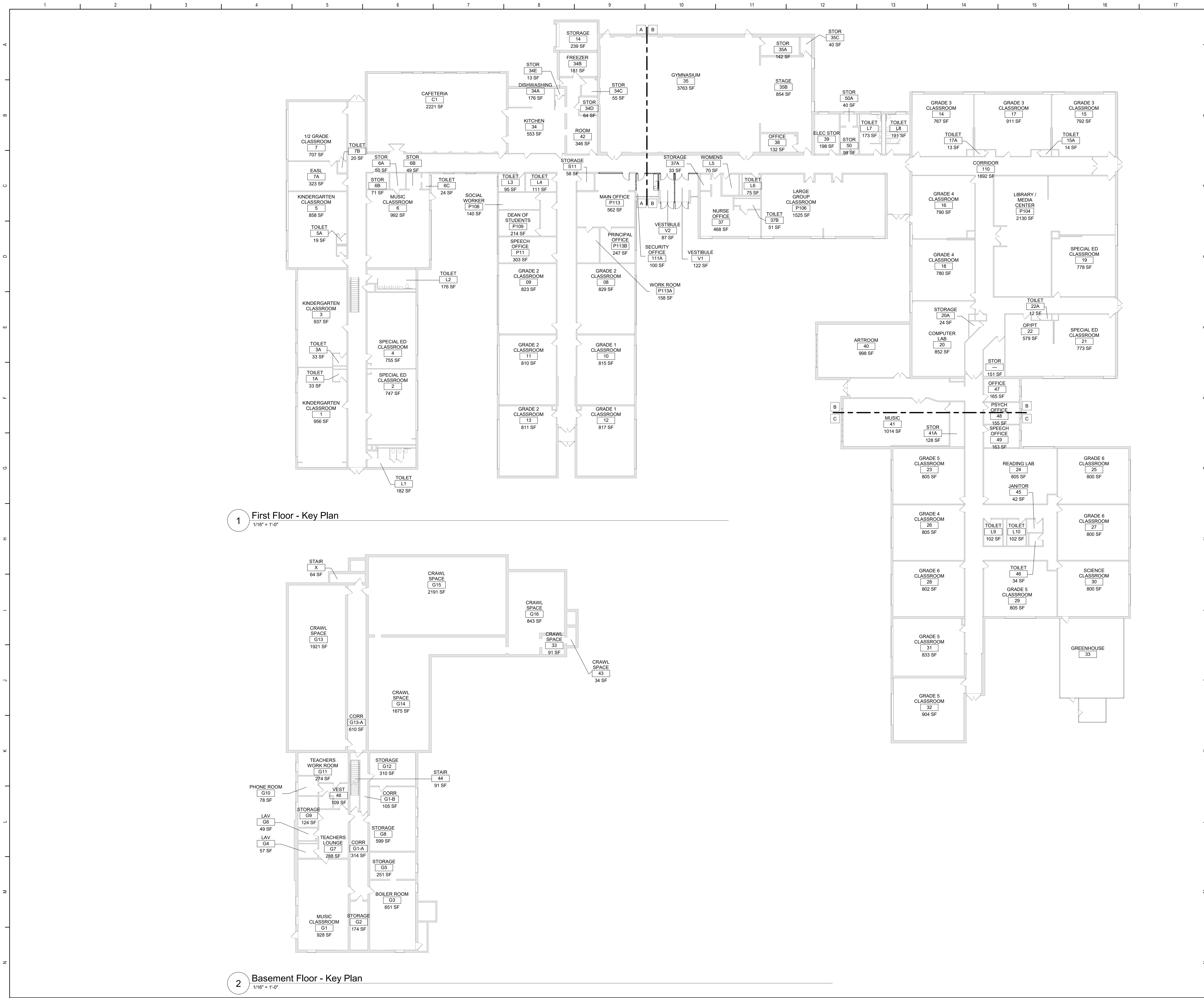
Quality Environmental Solutions & Technologies, Inc.
1298 NYS Route 9
Wappingers Falls, NY 12590
Tel: (845) 298-6031

Wallkill Central School District
Wallkill, New York

Reconstruction to:
Plattekill Elementary School

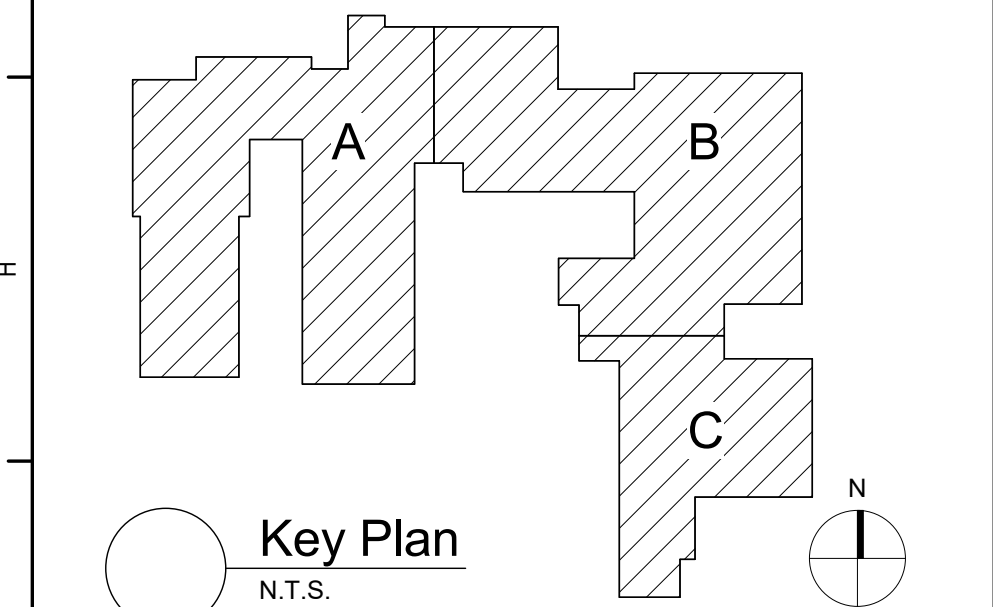
Roof Abatement Plan

Drawn By: AMLG	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001	DHAZ104	



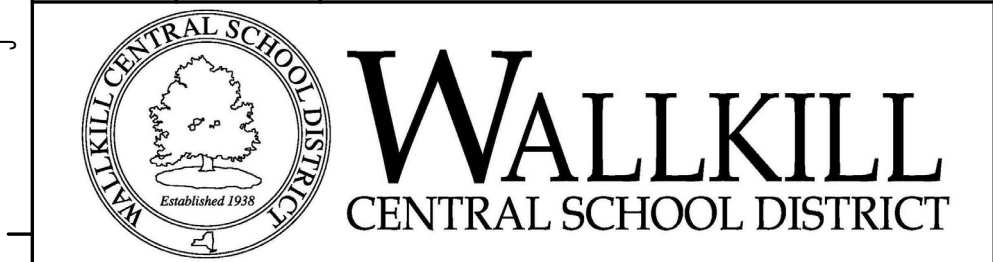
General Notes - Applies to All Drawings

- A. DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS.
- B. TAKE FIELD MEASUREMENTS TO FIT THE WORK PROPERLY. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD.
- C. REFER INCONSISTENCIES TO ARCHITECT PRIOR TO COMMENCING THE WORK IN AFFECTED AREA.
- D. ITEMS ARE SHOWN DIAGRAMMATICALLY ON DRAWINGS. VERIFY SPACE REQUIREMENTS AND DIMENSIONS TO FIT THE WORK PROPERLY.
- E. NOTES SHOWN ON ONE DRAWING APPLY TO ALL SIMILAR DRAWINGS.
- F. DO NOT DISTURB CONSTRUCTION SUSPECTED OF CONTAINING HAZARDOUS MATERIAL. IF ENCOUNTERED, IMMEDIATELY NOTIFY ARCHITECT, CONSTRUCTION MANAGER AND OWNER.



S.E.D. Control No. 62-18-01-06-0-005-015

Rev. No.: Date: Description:



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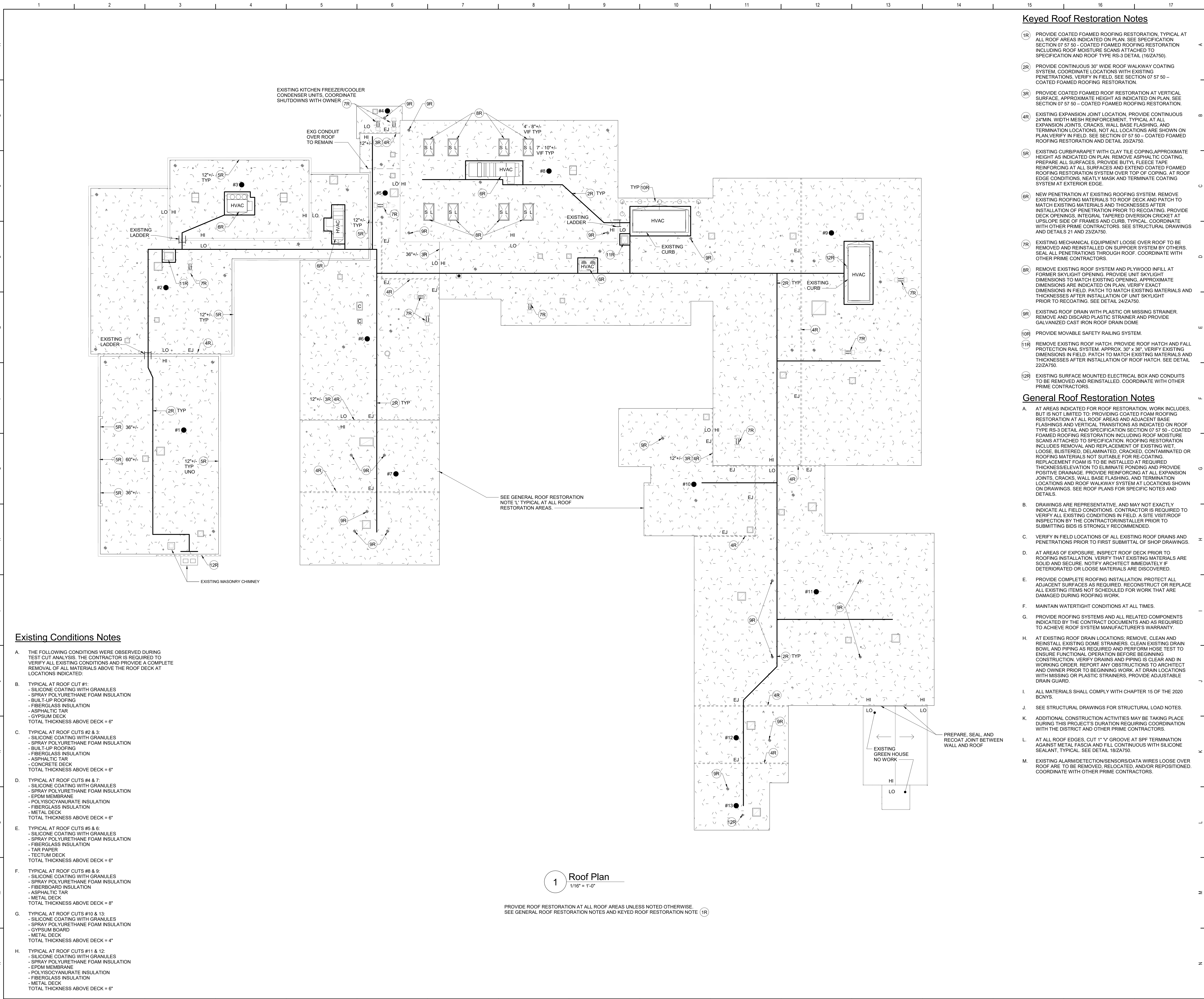


Wallkill Central School District
Wallkill, New York

Reconstruction to:
Plattekill Elementary School

Basement and First Floor Key Plans

Drawn By: TTAE Date: 11/4/2022 Drawing Number: DA051
Project No.: 17597-22001



Keyed Roof Restoration Notes

- 1R PROVIDE COATED FOAMED ROOFING RESTORATION, TYPICAL AT ALL ROOF AREAS INDICATED ON PLAN. SEE SPECIFICATION SECTION 07 57 50 - COATED FOAMED ROOFING RESTORATION INCLUDING ROOF MOISTURE SCANS ATTACHED TO SPECIFICATION AND ROOF TYPE RS-3 DETAIL (18/2A750).
- 2R PROVIDE CONTINUOUS 30" WIDE ROOF WALKWAY COATING SYSTEM, COORDINATE LOCATIONS WITH EXISTING PENETRATIONS. VERIFY IN FIELD. SEE SECTION 07 57 50 - COATED FOAMED ROOFING RESTORATION.
- 3R PROVIDE COATED FOAMED ROOF RESTORATION AT VERTICAL SURFACE, APPROXIMATE HEIGHT AS INDICATED ON PLAN. SEE SECTION 07 57 50 - COATED FOAMED ROOFING RESTORATION.
- 4R EXISTING EXPANSION JOINT LOCATION, PROVIDE CONTINUOUS 24" MIN. WIDTH MESH REINFORCEMENT, TYPICAL AT ALL EXPANSION JOINTS, CRACKS, WALL BASE FLASHING, AND TERMINATION LOCATIONS. NOT ALL LOCATIONS ARE SHOWN ON PLAN. VERIFY IN FIELD. SEE SECTION 07 57 50 - COATED FOAMED ROOFING RESTORATION AND DETAIL 20/2A750.
- 5R EXISTING CURB/PARAPET WITH CLAY TILE COPING, APPROXIMATE HEIGHT AS INDICATED ON PLAN. REMOVE ASPHALTIC COATING, PREPARE ALL SURFACES, PROVIDE BUTYL FLEECE TAPE REINFORCING AT ALL SURFACES AND EXTEND COATED FOAMED ROOFING RESTORATION SYSTEM OVER TOP OF COPING. AT ROOF EDGE CONDITIONS, NEATLY MASK AND TERMINATE COATING SYSTEM AT EXTERIOR EDGE.
- 6R NEW PENETRATION AT EXISTING ROOFING SYSTEM. REMOVE EXISTING ROOFING MATERIALS TO ROOF DECK AND PATCH TO MATCH EXISTING MATERIALS AND THICKNESSES AFTER INSTALLATION OF PENETRATION PRIOR TO RECOATING. PROVIDE DECK OPENINGS, INTEGRAL TAPERED DRY CRICKET AT UPSLOPE SIDE OF FRAMES AND CURB, TYPICAL. COORDINATE WITH OTHER PRIME CONTRACTORS. SEE STRUCTURAL DRAWINGS AND DETAILS 21/2A750.
- 7R EXISTING MECHANICAL EQUIPMENT LOOSE OVER ROOF TO BE REMOVED AND REINSTALLED ON SUPPORT SYSTEM BY OTHERS. SEAL ALL PENETRATIONS THROUGH ROOF. COORDINATE WITH OTHER PRIME CONTRACTORS.
- 8R REMOVE EXISTING ROOF SYSTEM AND PLYWOOD INFILL AT FORMER SKYLIGHT OPENING. PROVIDE UNIT SKYLIGHT, DIMENSIONS TO MATCH EXISTING OPENING, APPROXIMATE DIMENSIONS ARE INDICATED ON PLAN, VERIFY EXACT DIMENSIONS IN FIELD. PATCH TO MATCH EXISTING MATERIALS AND THICKNESSES AFTER INSTALLATION OF UNIT SKYLIGHT PRIOR TO RECOATING. SEE DETAIL 24/2A750.
- 9R EXISTING ROOF DRAIN WITH PLASTIC OR MISSING STRAINER. REMOVE AND DISCARD PLASTIC STRAINER AND PROVIDE GALVANIZED CAST IRON ROOF DRAIN DOME.
- 10R PROVIDE MOVABLE SAFETY RAILING SYSTEM.
- 11R REMOVE EXISTING ROOF HATCH. PROVIDE ROOF HATCH AND FALL PROTECTION RAIL SYSTEM, APPROX. 30" x 36". VERIFY EXISTING DIMENSIONS IN FIELD. PATCH TO MATCH EXISTING MATERIALS AND THICKNESSES AFTER INSTALLATION OF ROOF HATCH. SEE DETAIL 22/2A750.
- 12R EXISTING SURFACE MOUNTED ELECTRICAL BOX AND CONDUITS TO BE REMOVED AND REINSTALLED. COORDINATE WITH OTHER PRIME CONTRACTORS.

General Roof Restoration Notes

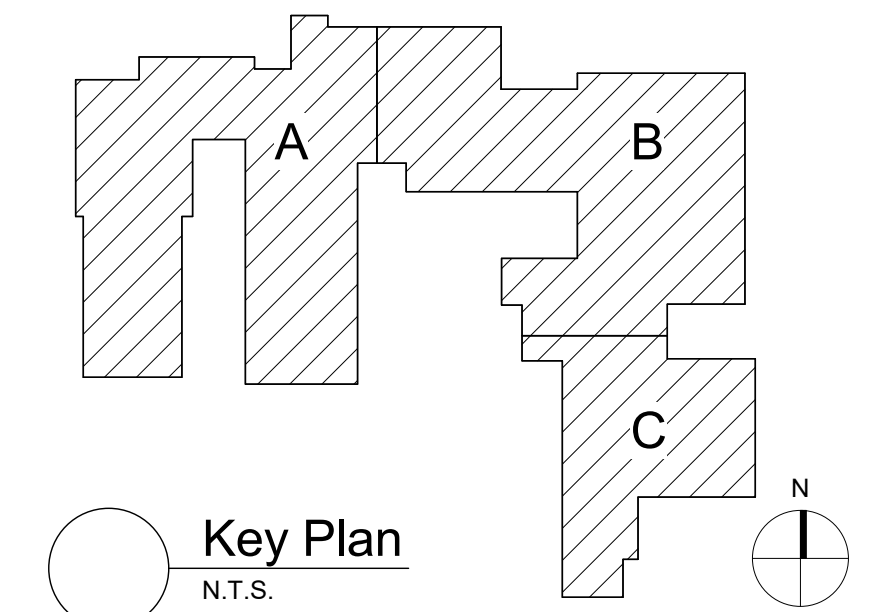
- A. AT AREAS INDICATED FOR ROOF RESTORATION, WORK INCLUDES, BUT IS NOT LIMITED TO: PROVIDING COATED FOAM ROOFING RESTORATION AT ALL ROOF AREAS AND ADJACENT BASE FLASHINGS AND VERTICAL TRANSITIONS AS INDICATED ON ROOF TYPE RS-3 DETAIL AND SPECIFICATION SECTION 07 57 50 - COATED FOAMED ROOFING RESTORATION INCLUDING ROOF MOISTURE SCANS ATTACHED TO SPECIFICATION. ROOFING RESTORATION INCLUDES REMOVAL AND REPLACEMENT OF EXISTING WET, LOOSE, BLISTERED, DELAMINATED, CRACKED, CONTAMINATED OR ROOFING MATERIALS NOT SUITABLE FOR RE-COATING. REPLACEMENT FOAM IS TO BE INSTALLED AT REQUIRED THICKNESS/ELEVATION TO ELIMINATE PONDING AND PROVIDE POSITIVE DRAINAGE. PROVIDE REINFORCING AT ALL EXPANSION JOINTS, CRACKS, WALL BASE FLASHING, AND TERMINATION LOCATIONS AND ROOF WALKWAY SYSTEM AT LOCATIONS SHOWN ON DRAWINGS. SEE ROOF PLANS FOR SPECIFIC NOTES AND DETAILS.
- B. DRAWINGS ARE REPRESENTATIVE, AND MAY NOT EXACTLY INDICATE ALL FIELD CONDITIONS. CONTRACTOR IS REQUIRED TO VERIFY ALL EXISTING CONDITIONS IN FIELD. A SITE VISIT/ROOF INSPECTION BY THE CONTRACTOR/INSTALLER PRIOR TO SUBMITTING BIDS IS STRONGLY RECOMMENDED.
- C. VERIFY IN FIELD LOCATIONS OF ALL EXISTING ROOF DRAINS AND PENETRATIONS PRIOR TO FIRST SUBMITTAL OF SHOP DRAWINGS.
- D. AT AREAS OF EXPOSURE, INSPECT ROOF DECK PRIOR TO ROOFING INSTALLATION. VERIFY THAT EXISTING MATERIALS ARE SOLID AND SECURE. NOTIFY ARCHITECT IMMEDIATELY IF DETEIORATED OR LOOSE MATERIALS ARE DISCOVERED.
- E. PROVIDE COMPLETE ROOFING INSTALLATION. PROTECT ALL ADJACENT SURFACES AS REQUIRED. RECONSTRUCT OR REPLACE ALL EXISTING ITEMS NOT SCHEDULED FOR WORK THAT ARE DAMAGED DURING ROOFING WORK.
- F. MAINTAIN WATERTIGHT CONDITIONS AT ALL TIMES.
- G. PROVIDE ROOFING SYSTEMS AND ALL RELATED COMPONENTS INDICATED BY THE CONTRACT DOCUMENTS AND AS REQUIRED TO ACHIEVE ROOF SYSTEM MANUFACTURER'S WARRANTY.
- H. AT EXISTING ROOF DRAIN LOCATIONS, REMOVE, CLEAN AND REINSTALL EXISTING DOME STRAINERS. CLEAN EXISTING DRAIN BOWL AND PIPING AS REQUIRED AND PERFORM HOSE TEST TO ENSURE FUNCTIONAL OPERATION BEFORE BEGINNING CONSTRUCTION. VERIFY DRAINS AND PIPING IS CLEAR AND IN WORKING ORDER. REPORT ANY OBSTRUCTIONS TO ARCHITECT AND OWNER PRIOR TO BEGINNING WORK. AT DRAIN LOCATIONS WITH MISSING OR PLASTIC STRAINERS, PROVIDE ADJUSTABLE DRAIN GUARD.
- I. ALL MATERIALS SHALL COMPLY WITH CHAPTER 15 OF THE 2020 BCNYS.
- J. SEE STRUCTURAL DRAWINGS FOR STRUCTURAL LOAD NOTES.
- K. ADDITIONAL CONSTRUCTION ACTIVITIES MAY BE TAKING PLACE DURING THIS PROJECT'S DURATION REQUIRING COORDINATION WITH THE DISTRICT AND OTHER PRIME CONTRACTORS.
- L. AT ALL ROOF EDGES, CUT 1" V GROOVE AT SPF TERMINATION AGAINST METAL FASCIA AND FILL CONTINUOUS WITH SILICONE SEALANT, TYPICAL. SEE DETAIL 18/2A750.
- M. EXISTING ALARM/DETECTION/SENSORS/DATA WIRES LOOSE OVER ROOF ARE TO BE REMOVED, RELOCATED, AND/OR REPOSITIONED. COORDINATE WITH OTHER PRIME CONTRACTORS.

General Notes - Applies to All Drawings

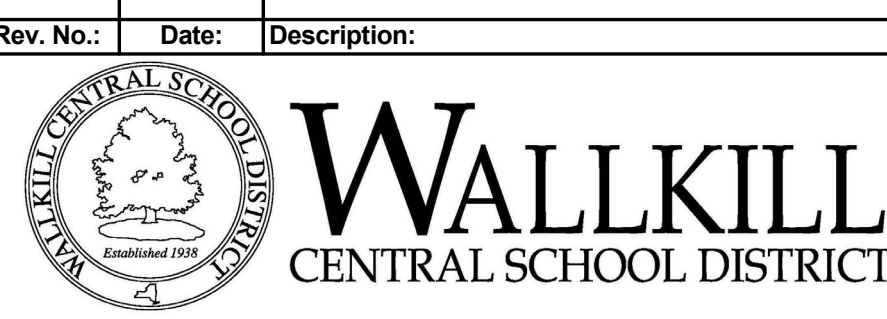
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Symbol/Hatch Legend

- INDICATES AREAS OF SPF ROOF SYSTEM TO BE RESTORED
- ROOF DRAIN - EXISTING TO REMAIN. SEE KEYED ROOF RESTORATION NOTE 9R FOR LOCATIONS WITH MISSING OR PLASTIC STRAINER REQUIRING ADJUSTABLE DRAIN GUARD
- EQUIPMENT ON CURB (FAN/HOOD/ETC.)
- CURB WITH SOLID COVER, PROVIDE ROOF COATING
- PIPE PENETRATION
- EXPANSION JOINT
- EQUIPMENT ON SUPPORT RAILS WITH FLEXIBLE PENETRATION
- EQUIPMENT ON CURB (RTU)
- ROOF WALKWAY COATING SYSTEM
- ROOF HATCH
- UNIT SKYLIGHT, APPROX. DIMENSIONS INDICATED ON PLAN
- MOVABLE SAFETY RAILING SYSTEM
- TEST CUT LOCATION. SEE EXISTING CONDITIONS NOTES



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Wallkill Central School District
Wallkill, New York

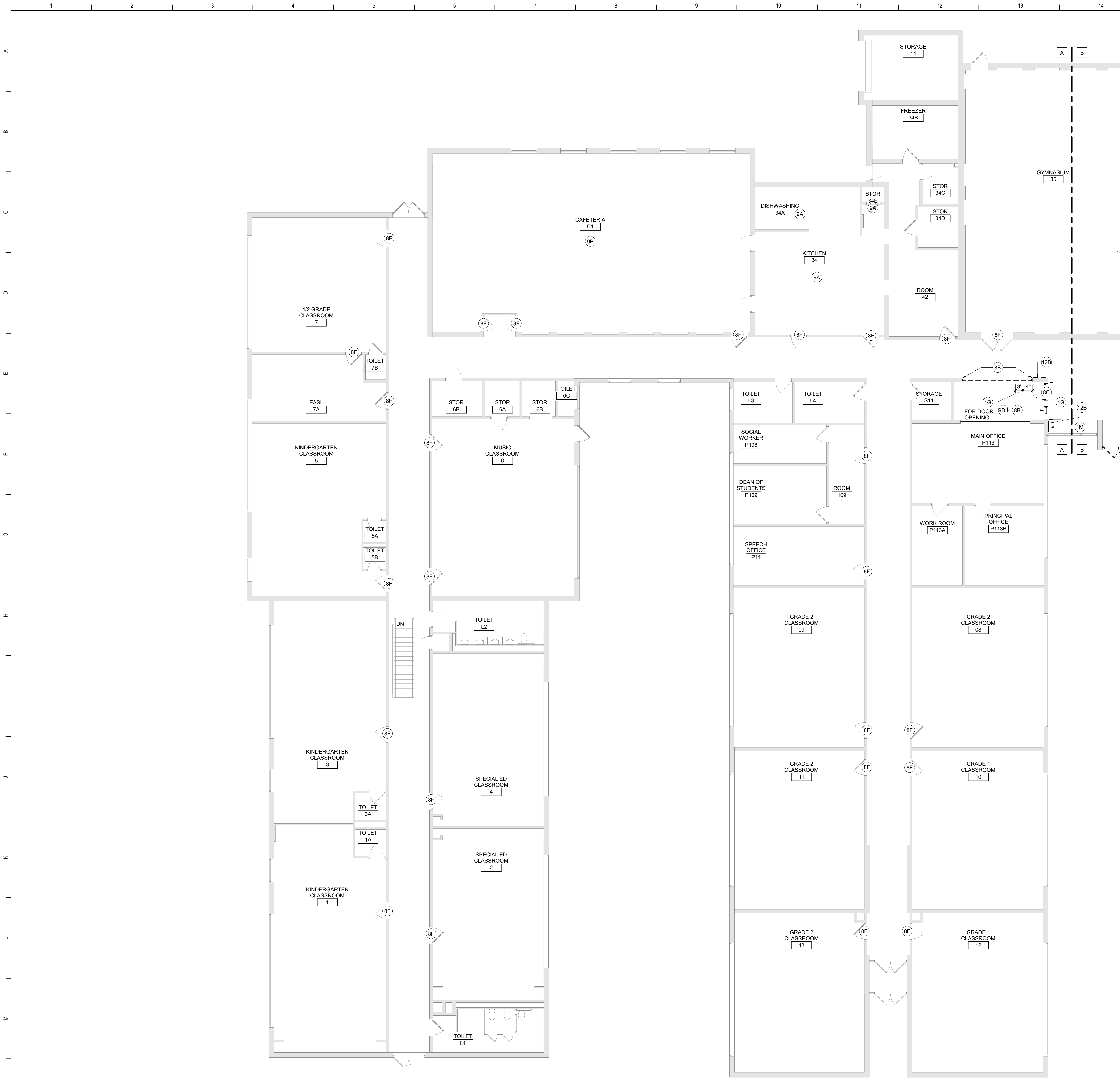
Reconstruction to:
Plattekill Elementary School

Roof Plan

Drawn By: TTAE Date: 11/4/2022 Drawing Number: 17597-22001 DA052



Drawn By: TTAE	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001		DA100

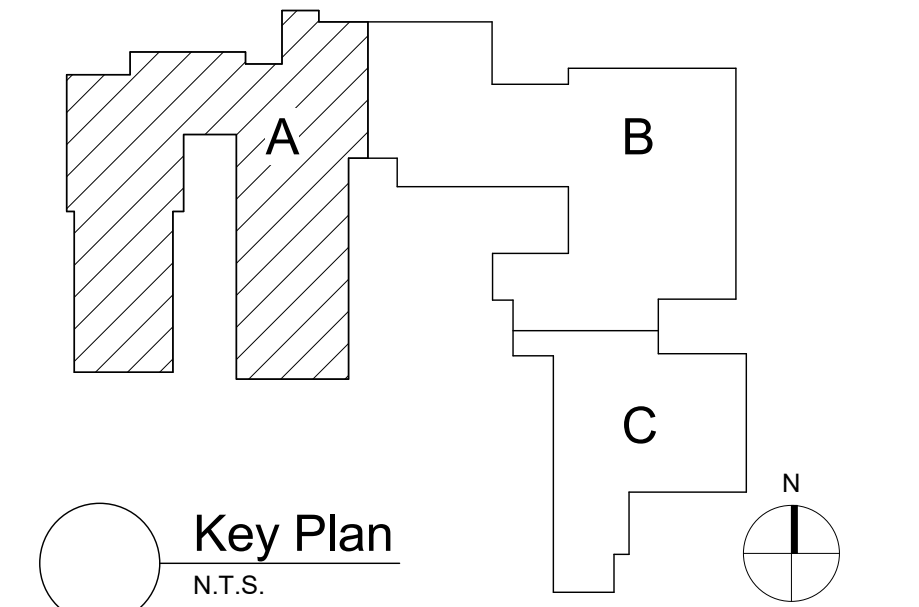


Demolition Key Notes

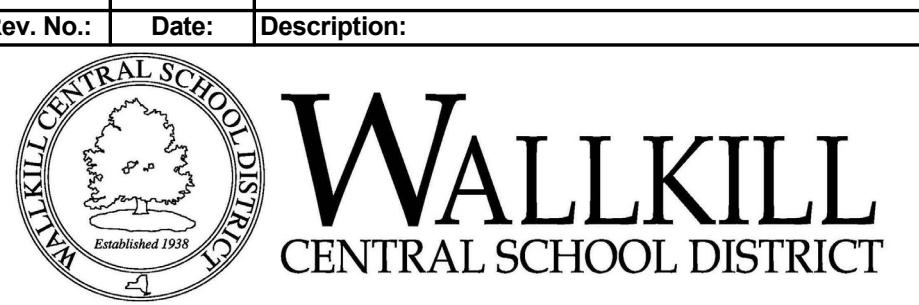
- (1G) REMOVE INTERIOR PARTITION FULL-HEIGHT, PORTION AS INDICATED OR AS REQUIRED TO PERFORM SCHEDULED WORK. EXISTING STRUCTURE TO REMAIN.
- (1H) SAW CUT OPENING IN WALL TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. PROVIDE LINTEL PER LINTEL SCHEDULE. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES.
- (1N) ARTWORK/PLAQUES TO REMAIN - DO NOT DAMAGE. REMOVAL BY OWNER.
- (1M) REMOVE EXISTING DIFIBRILATOR CABINET. PROTECT AND STORE FOR REINSTALLATION.
- (1P) MODIFY WALL AS REQUIRED TO ACCOMMODATE NEW STRUCTURAL STEEL ROOF REINFORCING. COORDINATE DETAILS AND LOCATIONS WITH STRUCTURAL DRAWINGS. PATCH WALLS TO MATCH EXISTING CONSTRUCTION/FINISHES.
- (8A) REMOVE STOREFRONT SYSTEM COMPLETELY. PREPARE OPENING TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES. PROTECT AND DELIVER TO OWNER'S STORAGE LOCATION FOR THEIR RE-USE.
- (8B) REMOVE WINDOW SYSTEM COMPLETELY. PREPARE OPENING TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES.
- (8C) REMOVE DOOR AND FRAME COMPLETELY. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES.
- (8F) REMOVE DOOR LOCKSET AND ASSOCIATED HARDWARE IN PREPARATION FOR NEW LEVERSET AND LOCKDOWN HARDWARE. REFER TO DOOR HARDWARE SCHEDULE FOR NEW HARDWARE AND TO COORDINATE REQUIRED REMOVALS TO FACILITATE NEW HARDWARE INSTALLATION.
- (9A) REMOVE CEILING SYSTEM AND/OR SOFFIT SYSTEM IN ITS ENTIRETY.
- (9B) REMOVE CEILING SYSTEM AND OR SOFFIT SYSTEM IN ITS ENTIRETY INCLUDING CONCEALED CEILING AND SHEATHING LAYER ATTACHED TO BOTTOM OF STRUCTURE.
- (9C) REMOVE CEILING SYSTEM AS REQUIRED TO PERFORM SCHEDULED WORK. SALVAGE CEILING SYSTEM FOR REINSTALLATION IN ORIGINAL LOCATION.
- (9D,x) REMOVE FLOOR FINISH, MASTIC AND WALL BASE TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. AT ALL AREAS OF FLOOR REMOVAL LEVEL SLAB WITH ADJACENT SLABS AT LOCATIONS SCHEDULED TO RECEIVE FLOOR FINISH. INCLUDE CONCRETE FLOOR PATCHING AND LEVELING MATERIALS TO MAKE SURFACE LEVEL. PREPARE FOR FINISH. PATCH AREAS OF WALLS TO REMAIN THAT WERE DAMAGED BY REMOVAL OF WALL BASE.
- SUFFIX KEY (FLOOR FINISH IDENTIFICATIONS):
 - I. VAT/VCT.
- (12B) REMOVE DISPLAY CASEWORK (INCLUDING ALL ASSOCIATED COMPONENTS). PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES. PROTECT AND DELIVER TO OWNER'S STORAGE LOCATION FOR THEIR RE-USE.

General Demolition Notes

- A. - - - - - REMOVE ITEMS INDICATED BY DASHED LINE.
- B. KEYED DEMOLITION TAGS REFER TO SPECIFIC LOCATIONS AS FOLLOWS:
 - 1. DEMOLITION TAGS LOCATED WITHIN THE MIDDLE OF A SPACE REFER TO DEMOLITION OF ALL ITEMS OF THAT SAME TYPE WITHIN THAT ENTIRE SPACE.
 - 2. DEMOLITION TAGS PLACED IMMEDIATELY ON OR ADJACENT TO A DASHED LINE INDICATING ITEM REMOVAL OR THAT HAVE A LEADER POINTING TO SPECIFIC ITEM(S) REFER TO DEMOLITION OF THAT SPECIFIC ITEM ONLY OF THAT TYPE WITHIN THAT SPACE.
 - 3. DEMOLITION TAGS IN SERIES REFER TO DEMOLITION OF ALL THOSE ITEMS EITHER WITHIN THAT ENTIRE SPACE OR TO THE SPACE IDENTIFIED BY THAT LEADER.
- C. WHEN AN ITEM IS INDICATED TO BE DEMOLISHED REMOVE ALL ASSOCIATED COMPONENTS AS PART OF THAT WORK.
- D. ALL ARTWORK NOT PERMANENTLY AFFIXED TO EXISTING CONSTRUCTION SHALL BE REMOVED AND STORED BY OWNER PRIOR TO BEGINNING DEMOLITION WORK. CONTACT OWNERS AGENT(S) IF ANY ARTWORK IS ENCOUNTERED PRIOR TO START OF DEMOLITION WORK.



S.E.D. Control No. 62-18-01-06-0-005-015



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Wallkill Central School District
Wallkill, New York

Reconstruction to:
Plattekill Elementary School

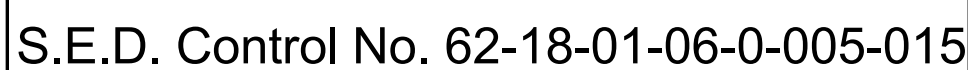
First Floor Demolition Plan - Area A

Drawn By: TTAE Date: 11/4/2022 Drawing Number:
Project No.: 17597-22001
DA101



1C	REMOVE INTERIOR PARTITION FULL-HEIGHT, PORTION AS INDICATED OR AS REQUIRED TO PERFORM SCHEDULED WORK. EXISTING STRUCTURE TO REMAIN.
1H	SAW CUT OPENING IN WALL TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. PROVIDE LINTEL PER LINTEL SCHEDULE PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES.
1N	ARTWORK/PLAQUES TO REMAIN - DO NOT DAMAGE . REMOVE BY OWNER.
1M	REMOVE EXISTING DIFFRIBULATOR CABINET. PROTECT AND STORE FOR REINSTALLATION.
1P	MODIFY WALL AS REQUIRED TO ACCOMMODATE NEW STRUCTURAL STEEL ROOF REINFORCING. COORDINATE DETAILS AND LOCATIONS WITH STRUCTURAL DRAWINGS. PATCH WALLS TO MATCH EXISTING ADJACENT FINISHES.
8A	REMOVE STOREFRONT SYSTEM COMPLETELY. PREPARE OPENING TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES. PROTECT AND DELIVER TO OWNER'S STORAGE LOCATION FOR THEIR RE-USE.
8B	REMOVE WINDOW SYSTEM COMPLETELY. PREPARE OPENING TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES.
8C	REMOVE DOOR AND FRAME COMPLETELY. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES.
8F	REMOVE DOOR LOCKSET AND ASSOCIATED HARDWARE IN PREPARATION FOR NEW LEVERSET AND LOCKDOWN HARDWARE. REFER TO DOOR HARDWARE SCHEDULE FOR NEW HARDWARE AND TO COORDINATE REQUIRED REMOVALS TO FACILITATE NEW HARDWARE INSTALLATION.
9A	REMOVE CEILING SYSTEM AND/OR SOFFIT SYSTEM IN ITS ENTIRETY.
9B	REMOVE CEILING SYSTEM AND/OR SOFFIT SYSTEM IN ITS ENTIRETY INCLUDING COATED CEILING AND SHEATHING LAYER ATTACHED TO BOTTOM OF STRUCTURE.
9C	REMOVE CEILING SYSTEM AS REQUIRED TO PERFORM SCHEDULED WORK. SALVAGE CEILING SYSTEM FOR REINSTALLATION IN ORIGINAL LOCATION.
9D-X	REMOVE FLOOR FINISH, MASTIC AND WALL BASE TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. AT ALL AREAS OF FLOOR REMOVAL, LEVEL SLAB WITH ADJACENT SLABS AT EXISTING FLOOR SCHEDULED FINISH ELEVATION. FOR AREAS INCLUDE CONCRETE FLOOR PATCHING AND LEVELING MATERIALS TO MAKE SURFACE LEVEL. PREPARE FOR FINISH. PATCH AREAS OF WALLS TO REMAIN THAT WERE DAMAGED BY REMOVAL OF WALL BASE.
	SUFFIX KEY (FLOR OR FINISH IDENTIFICATIONS) I. VATVCT.
12B	REMOVE DISPATCH CASEWORK (INCLUDING ALL ASSOCIATED COMPONENTS). PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES. PROTECT AND DELIVER TO OWNER'S STORAGE LOCATION FOR THEIR RE-USE.

- A. ----- REMOVE ITEMS INDICATED BY DASHED LINE.
- B. KEYED DEMOLITION TAGS REFER TO SPECIFIC LOCATIONS AS FOLLOWS:
 - 1. DEMOLITION TAGS LOCATED WITHIN THE MIDDLE OF A SPACE REFER TO DEMOLITION OF ALL ITEMS OF THAT SAME TYPE WITHIN THAT ENTIRE SPACE.
 - 2. DEMOLITION TAGS PLACED IMMEDIATELY ON OR ADJACENT TO A DASHED LINE INDICATING ITEM REMOVAL, OR THAT HAVE A LEADER POINTING TO SPECIFIC ITEM(S) REFER TO DEMOLITION OF THAT SPECIFIC ITEM ONLY OF THAT TYPE WITHIN THAT SPACE.
 - 3. DEMOLITION TAGS IN SERIES REFER TO DEMOLITION OF ALL TAGGED ITEMS EITHER WITHIN THAT ENTIRE SPACE OR TO THE SPACE IDENTIFIED BY THAT LEADER.
- C. WHEN AN ITEM IS INDICATED TO BE DEMOLISHED REMOVE ALL ASSOCIATED COMPONENTS AS PART OF THAT WORK.
- D. ALL ARTWORK NOT PERMANENTLY AFFIXED TO EXISTING CONSTRUCTION SHALL BE REMOVED AND STORED BY OWNER PRIOR TO BEGINNING DEMOLITION WORK. CONTACT OWNER'S AGENT IF ANY ARTWORK IS ENCOUNTERED PRIOR TO START OF DEMOLITION WORK.



WALLKILL
CENTRAL SCHOOL DISTRICT

Tetra Tech Engineers, Architects
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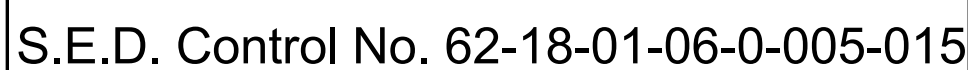
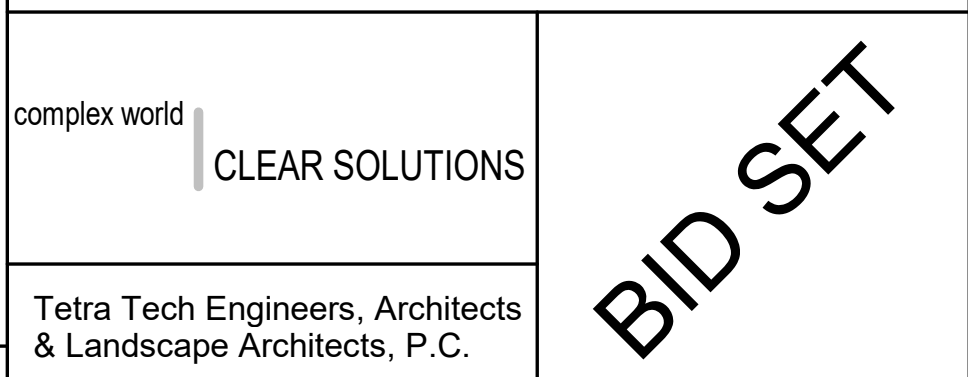
Reconstruction to: Plattekill Elementary School
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Drawn By: TTAE	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001		DA102



1G	REMOVE INTERIOR PARTITION FULL-HEIGHT. PORTION AS INDICATED OR AS REQUIRED TO PERFORM SCHEDULED WORK. EXISTING STRUCTURE TO REMAIN.	A
1H	SAW CUT OPENING IN WALL TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. PROVIDE INTERIOR PER UNTEL SCHEDULE. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES.	
1N	ARTWORK/PLAQUES TO REMAIN - DO NOT DAMAGE . REMOVAL BY OWNER.	
1M	REMOVE EXISTING DIFFUSOR/CABINET. PROTECT AND STORE FOR REINSTALLATION.	
1P	MODIFY WALL AS REQUIRED TO ACCOMMODATE NEW STRUCTURE/STEEL ROOF REINFORCING. COORDINATE DETAILS AND LOCATIONS WITH STRUCTURAL DRAWINGS. PATCH WALLS TO MATCH EXISTING CONFINEMENT FINISHES.	
8A	REMOVE STOREFRONT SYSTEM COMPLETELY. PREPARE OPENING TO EXTEND REQUIRED TO PERFORM SCHEDULED WORK. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES. PROTECT AND DELIVER TO OWNERS STORAGE LOCATION FOR THEIR RE-USE.	
8B	REMOVE WINDOW SYSTEM COMPLETELY. PREPARE OPENING TO EXTEND REQUIRED TO PERFORM SCHEDULED WORK. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES.	C
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9C	REMOVE CEILING SYSTEM AS REQUIRED TO PERFORM SCHEDULED WORK. PATCH EXPOSED SURFACES FOR REINSTALLATION IN ORIGINAL LOCATION.	
9D	REMOVE FLOOR FINISH, MASTIC AND WALL BASE TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. AT ALL AREAS OF FLOOR REMOVAL, LEVEL SLAB WITH ADJACENT SLABS AT FINISH ELEVATION. PATCH EXPOSED SURFACES TO MATCH ADJACENT CONCRETE FLOOR PATCHING AND LEVELING MATERIALS TO MAKE SURFACE LEVEL. PREPARE FOR FINISH. PATCH AREAS OF WALLS TO REMAIN THAT WERE DAMAGED BY REMOVAL OF WALL BASE.	E
	SUFFIX KEY (FLOOR FINISH IDENTIFICATIONS): I. VATVCT.	
12B	REMOVE DISH/PATCH CASEWORK (INCLUDING ALL ASSOCIATED COMPONENTS). PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES. PROTECT AND DELIVER TO OWNERS STORAGE LOCATION FOR THEIR RE-USE.	

- A. ~~-----~~ REMOVE ITEMS IDENTIFIED BY DASHED LINE.
- B. KEY DEMOLITION TAGS REFER TO SPECIFIC LOCATIONS AS FOLLOWS:
 - 1. DEMOLITION TAGS LOCATED WITHIN THE MIDDLE OF A SPACE REFER TO DEMOLITION OF ALL ITEMS OF THAT SAME TYPE WITHIN THAT ENTIRE SPACE.
 - 2. DEMOLITION TAGS PLACED IMMEDIATELY ON OR ADJACENT TO A DASHED LINE INDICATING ITEM REMOVAL, OR THAT HAVE A LEADER POINTING TO SPECIFIC ITEM(S) REFER TO DEMOLITION OF THAT SPECIFIC ITEM ONLY OF THAT TYPE WITHIN THAT SPACE.
 - 3. DEMOLITION TAGS IN SERIES REFER TO DEMOLITION OF ALL TAGGED ITEMS EITHER WITHIN THAT ENTIRE SPACE OR TO THE SPACE IDENTIFIED BY THAT LEADER.
- C. WHEN AN ITEM IS INDICATED TO BE DEMOLISHED REMOVE ALL ASSOCIATED COMPONENTS AS PART OF THAT WORK.
- D. ALL ARTWORK NOT PERMANENTLY AFFIXED TO EXISTING CONSTRUCTION SHALL BE REMOVED AND STORED BY OWNER PRIOR TO BEGINNING DEMOLITION WORK. CONTACT OWNER'S AGENT IF ANY ARTWORK IS ENCOUNTERED PRIOR TO START OF DEMOLITION WORK.

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Reconstruction to: Plattekill Elementary School
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First Floor Demolition Plan - Area C

Drawn By: TTAE	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001		DA103



A.	WHERE EXISTING CONSTRUCTION IS DAMAGED OR DISTURBED, PATCH AS REQUIRED TO RESTORE SURFACES TO THEIR ORIGINAL CONDITION.
B.	PARTITION TYPE TAGS APPLY TO ENTIRE LENGTH OF WALL INDICATED BY THAT TAG, REGARDLESS OF OPENINGS WITHIN THAT WALL, UNLESS NOTED OTHERWISE.
C.	INFILL AREAS OF REPAIRS TO FLOOR MAT AND/OR FINISH REMOVALS WITH RECONSTRUCTION, PROVIDE SUBSTRATE LEVEL AS REQUIRED SO SCHEDULED FINISHED FLOOR WILL MATCH THAT OF EXISTING ADJACENT AREAS.



Rev. No.:	Date:	Description:
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 complex world CLEAR SOLUTIONS	BID SET
Tetra Tech Engineers, Architects & Landscape Architects, P.C.	

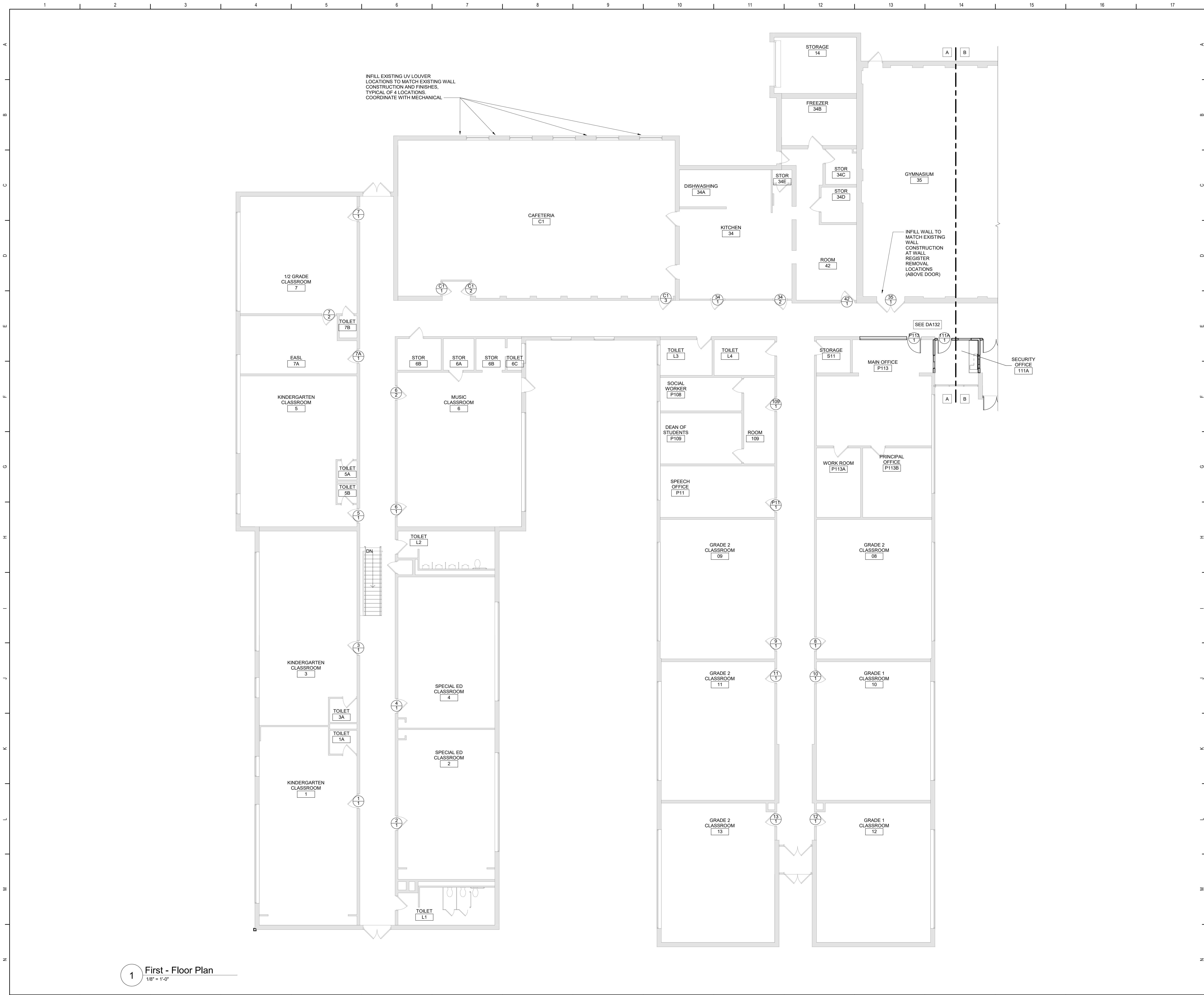


Wallkill Central School District Wallkill, New York
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M	Reconstruction to: Plattekill Elementary School
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N	Drawn By: TTAE	Date: 11/4/2022	Drawing Number:
	Project No.: 17597-22001		DA130

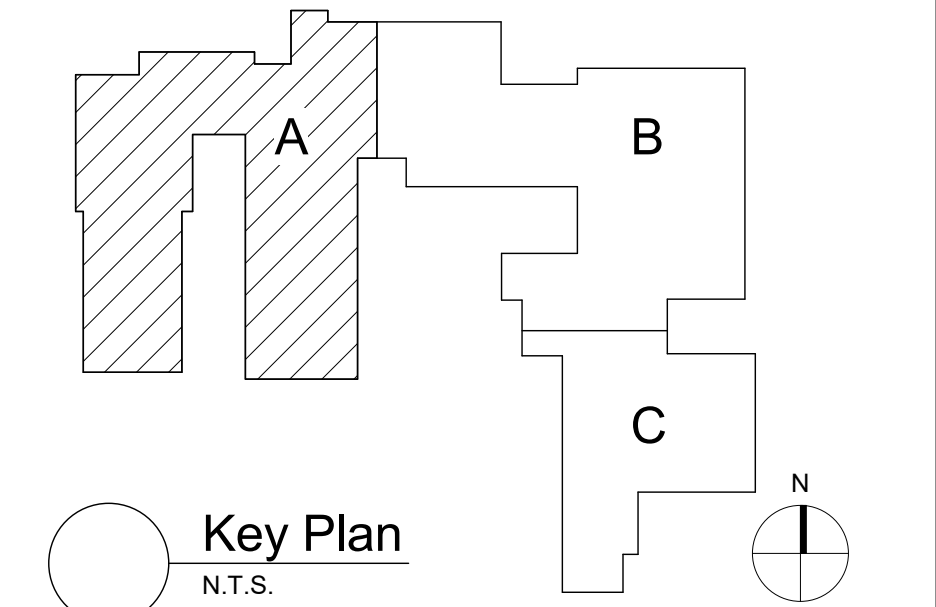
DA130



1 First - Floor Plan
1/8" = 1'-0"

General Plan Notes

- A. WHERE EXISTING CONSTRUCTION IS DAMAGED OR DISTURBED, PATCH AS REQUIRED TO RESTORE SURFACES TO THEIR ORIGINAL CONDITION.
- B. PARTITION TYPE TAGS APPLY TO ENTIRE LENGTH OF WALL INDICATED BY THAT TAG, REGARDLESS OF OPENINGS WITHIN THAT WALL, TYPICAL UNLESS NOTED OTHERWISE.
- C. INFILL AREAS OF RECESSED FLOOR MAT AND/OR FINISH REMOVALS WITH REPAIR MATERIAL PROVIDE SUBSTRATE LEVEL AS REQUIRED SO SCHEDULED FINISHED FLOOR WILL MATCH THAT OF EXISTING ADJACENT AREAS.



S.E.D. Control No. 62-18-01-06-0-005-015

Rev. No.:	Date:	Description:



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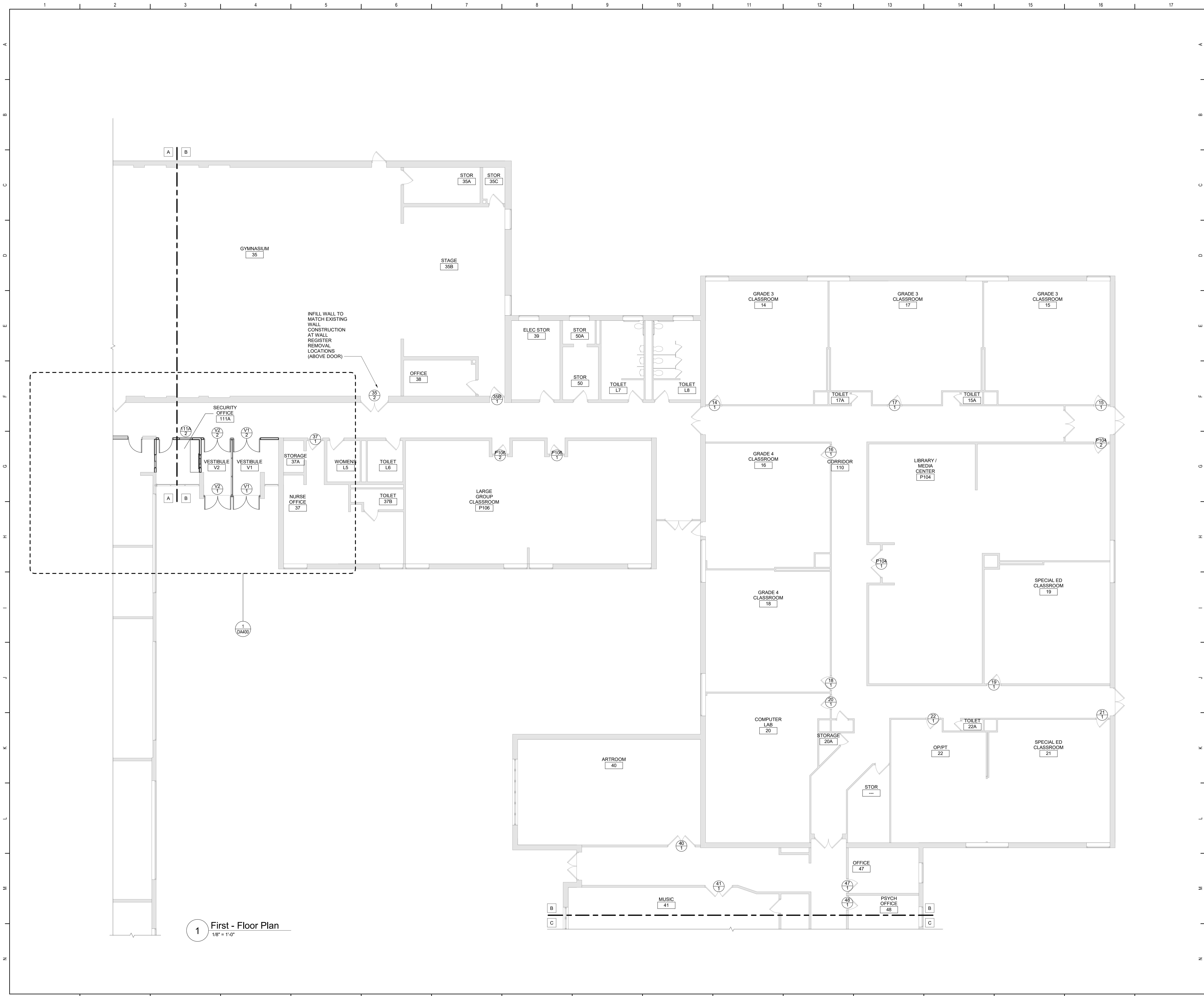


Wallkill Central School District
Wallkill, New York

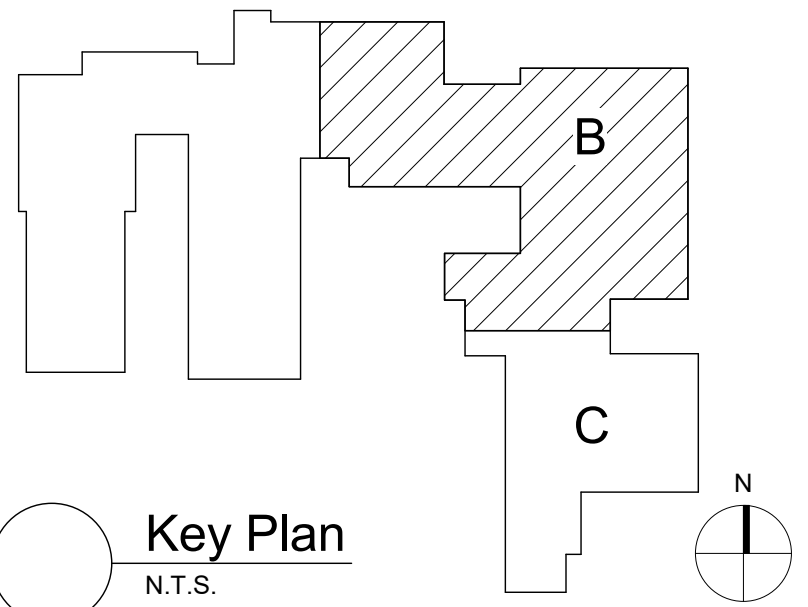
Reconstruction to:
Plattekill Elementary School

First Floor Plan - Area A

Drawn By: TTAE	Date: 11/4/2022	Drawing Number: DA131
Project No.: 17597-22001		



1 First - Floor Plan
1/8" = 1'-0"



Key Plan
N.T.S.

S.E.D. Control No. 62-18-01-06-0-005-015

Rev. No.: Date: Description:



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BID SET

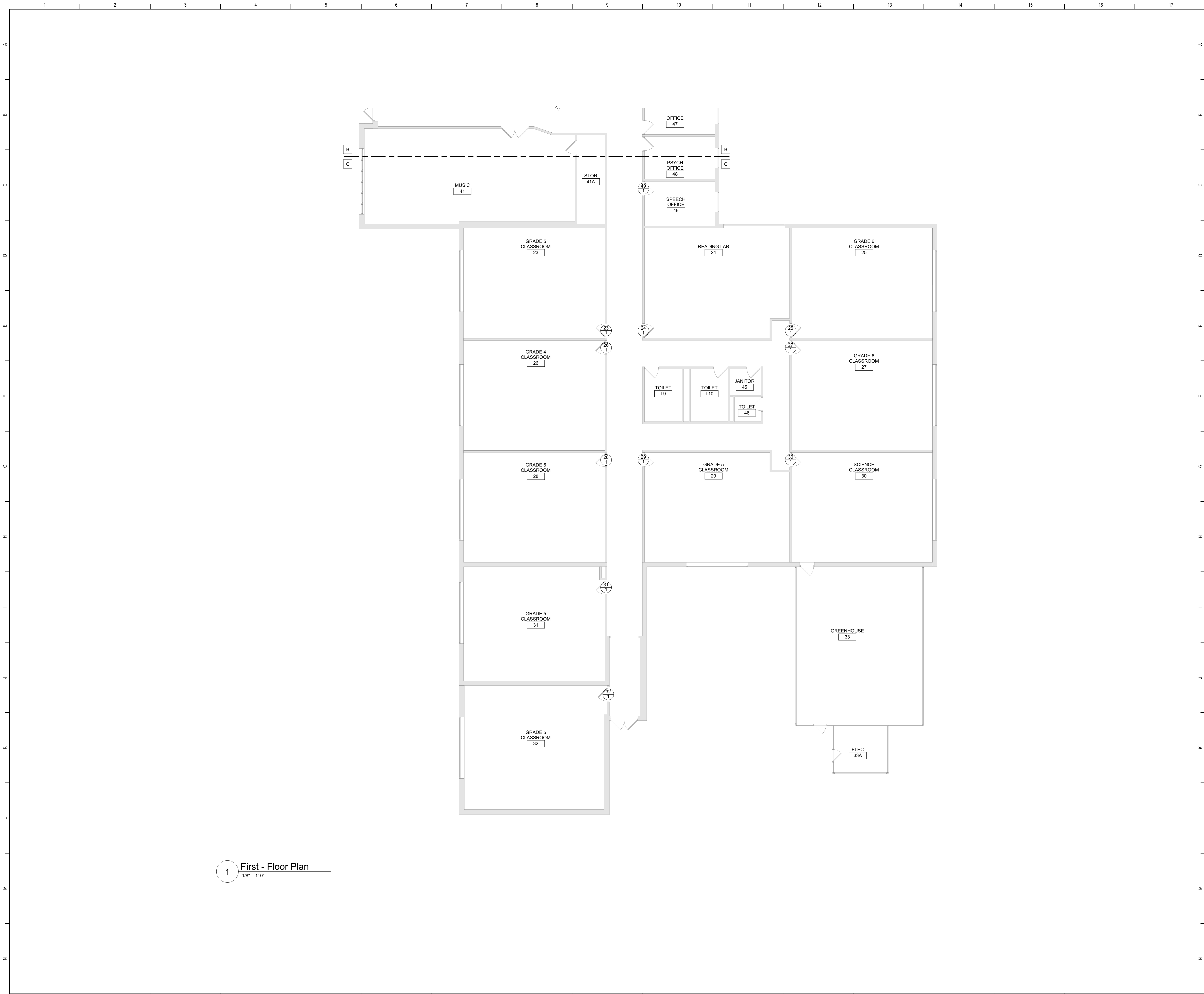


Wallkill Central School District
Wallkill, New York

Reconstruction to:
Plattekill Elementary School

First Floor Plan - Area B

Drawn By: TTAE	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001		DA132



1 First - Floor Plan
1/8" = 1'-0"

Key Plan
N.T.S.

S.E.D. Control No. 62-18-01-06-0-005-015

Rev. No.:	Date:	Description:

WALLKILL
CENTRAL SCHOOL DISTRICT

TETRA TECH
ARCHITECTS & ENGINEERS

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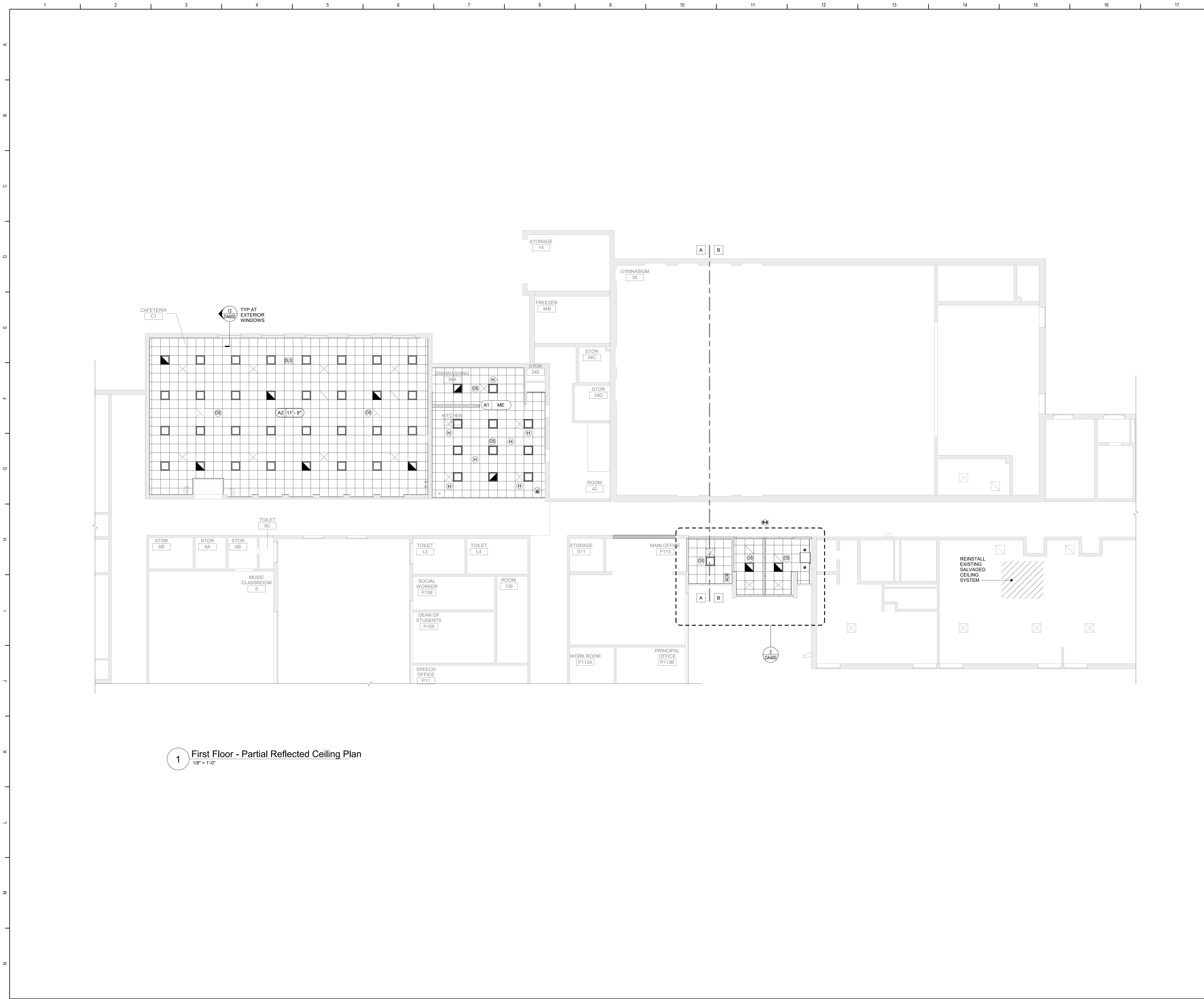
BID SET

Wallkill Central School District
Wallkill, New York

Reconstruction to:
Plattekill Elementary School

First Floor Plan - Area C

Drawn By: TTAE	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001		DA133



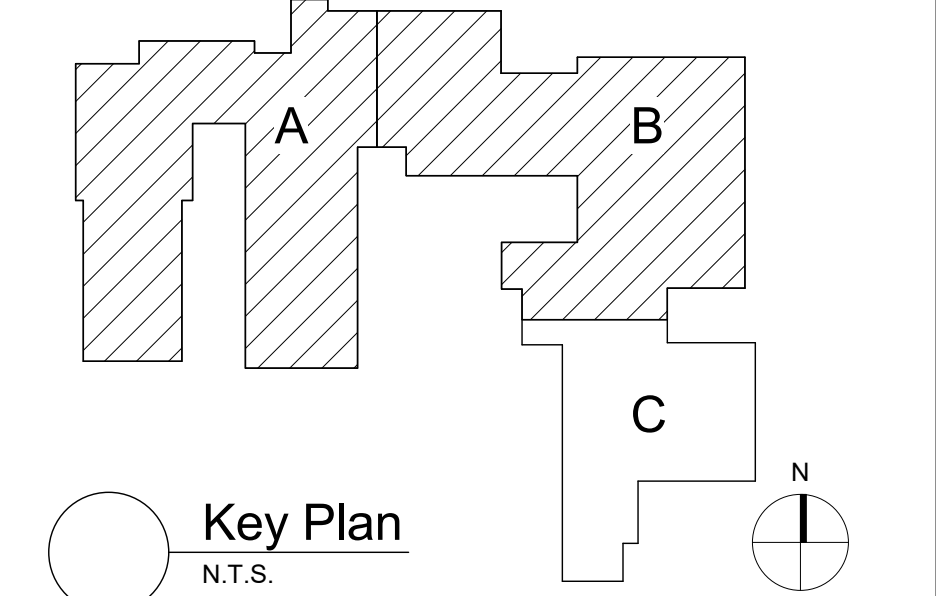
1 First Floor - Partial Reflected Ceiling Plan
1/8" = 1'-0"

General Ceiling Notes

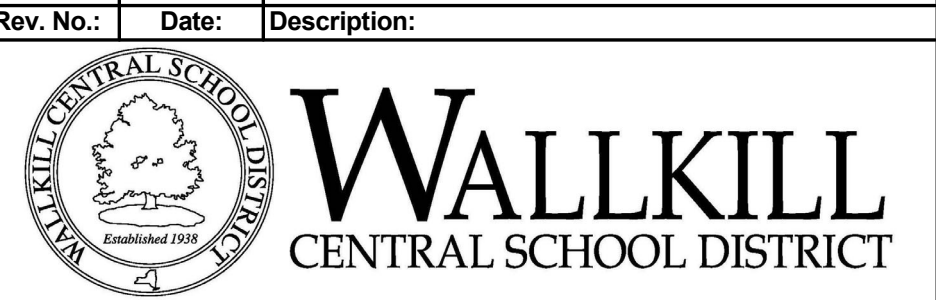
- A. LIGHTING AND OTHER CEILING-MOUNTED FIXTURES ARE SHOWN FOR DRAWING CLARITY. COORDINATE ALL CEILING WORK PRIOR TO INSTALLATION OF CEILING GRID.
- B. CEILING HEIGHT IS 9'-0" ABOVE FINISHED FLOOR (UNO).
- C. CENTER CEILING-MOUNTED ITEMS (LIGHTS, GRILLES, DETECTORS, SPRINKLER HEAD, ETC) WITHIN THE CEILING PANELS AND GRIDS UNLESS THE PANELS ARE SCORED. CENTER TEMS WITHIN THE PATTERN OF SCORED PANELS.
- D. PATCH CEILING SYSTEMS TO REMAIN THAT HAVE BEEN DISTURBED BY SCHEDULED WORK TO MATCH ADJACENT CONSTRUCTION PRIOR TO PAINTING.
- E. **X 19'-0"** DESIGNATES BOTTOM OF CEILING ABOVE FINISHED FLOOR AT THAT POINT UNO. DESIGNATION "ME" INDICATES MATCH EXISTING CEILING HEIGHT.

Ceiling Types

- A1 X-X' ACOUSTIC PANEL CEILING
- A2 X-X' ACOUSTIC PANEL CEILING
- B X-X' PAINTED 5/8" GYPSUM CEILING ON SUPPORT MATERIALS (GRID SUSPENSION SYSTEM, TYP UNO)



S.E.D. Control No. 62-18-01-06-0-005-015



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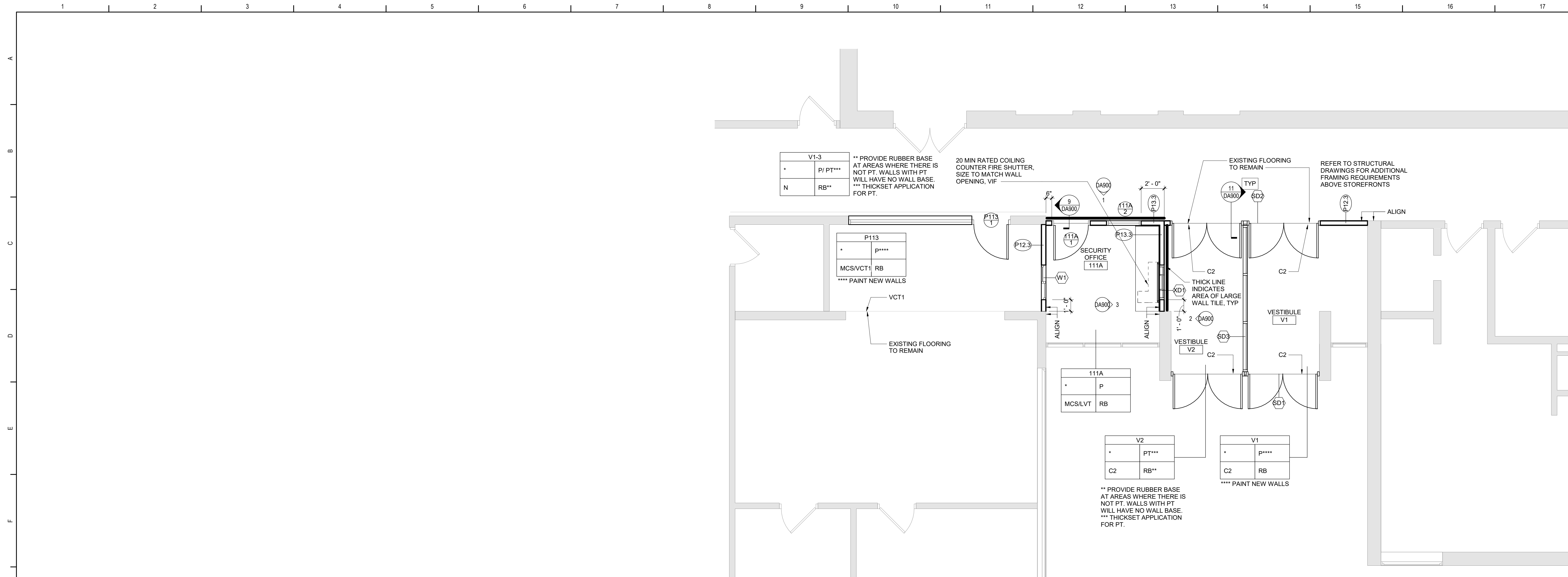


Wallkill Central School District
Wallkill, New York

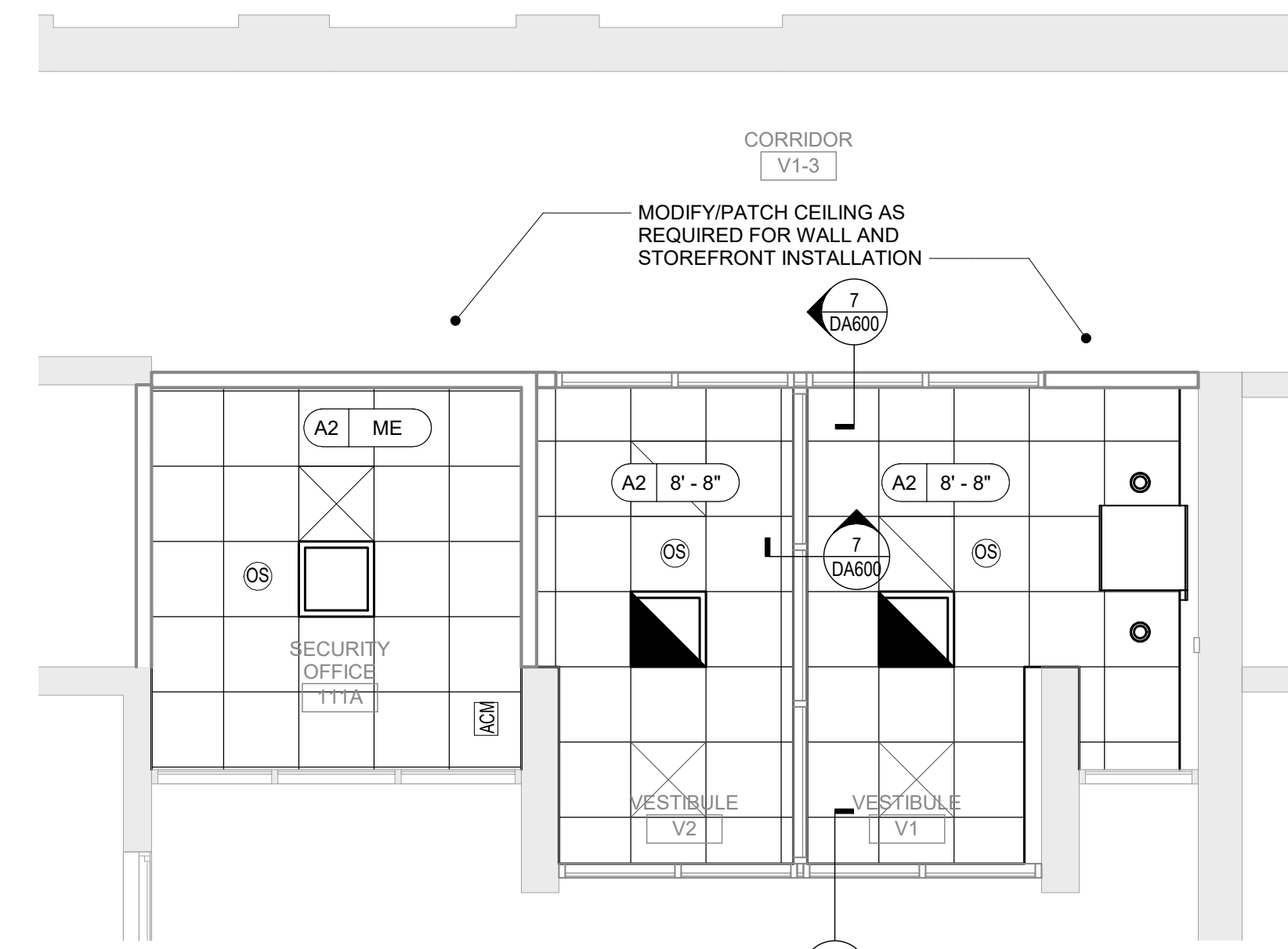
Reconstruction to:
Plattekill Elementary School

First Floor Reflected Ceiling Plan -
Partial Areas A and B

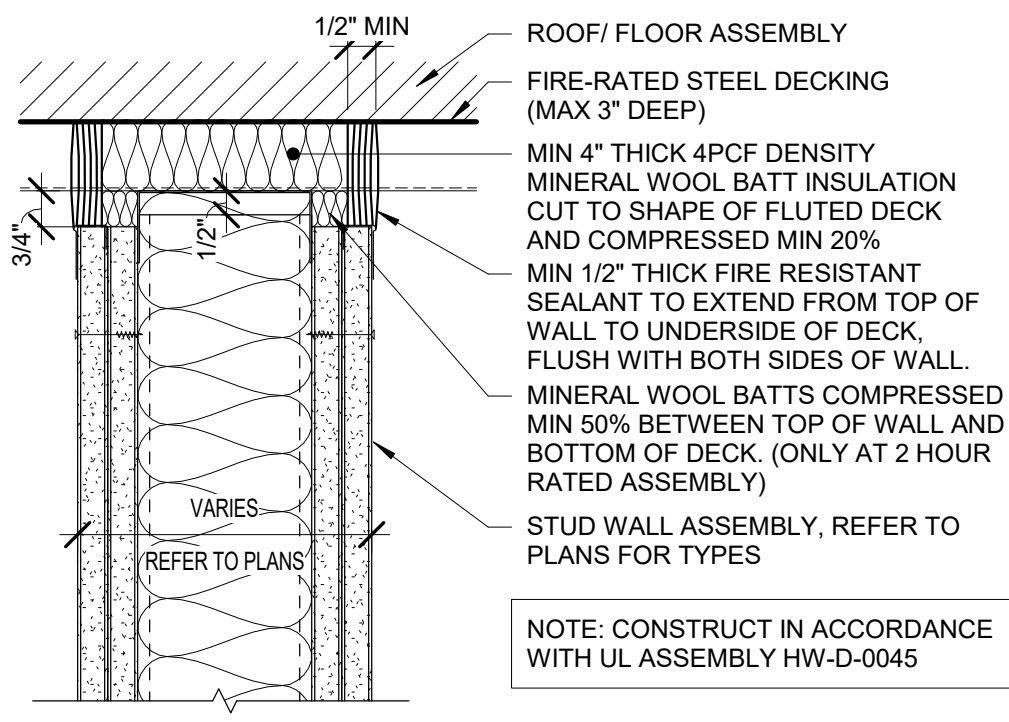
Drawn By: TTAE Date: 11/4/2022 Drawing Number:
Project No.: 17597-22001 **DA161**



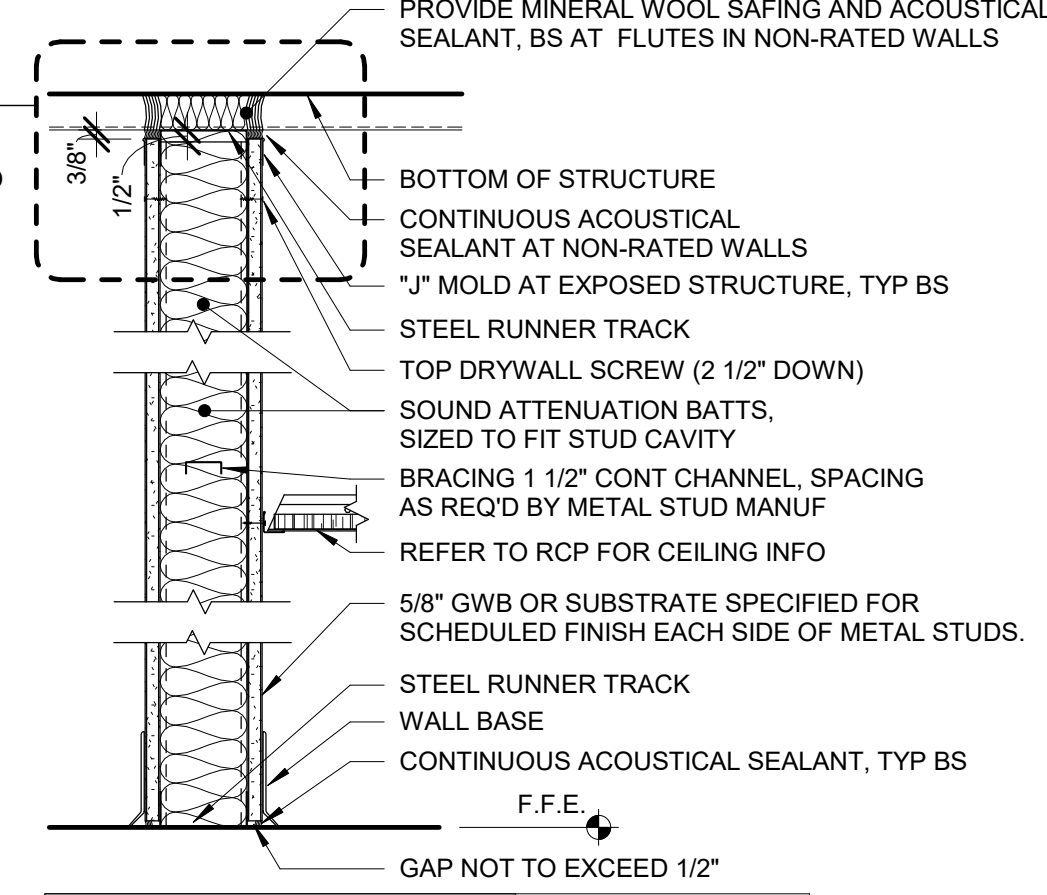
1 Enlarged Plan - Entrance Vestibule
1/4" = 1'-0"



2 First Floor - Reflected Ceiling Plan
1/4" = 1'-0"



4 Typical Top of Wall Assembly (Rated)
3" = 1'-0"



3 Partition Types P12 and P13
1 1/2" = 1'-0"

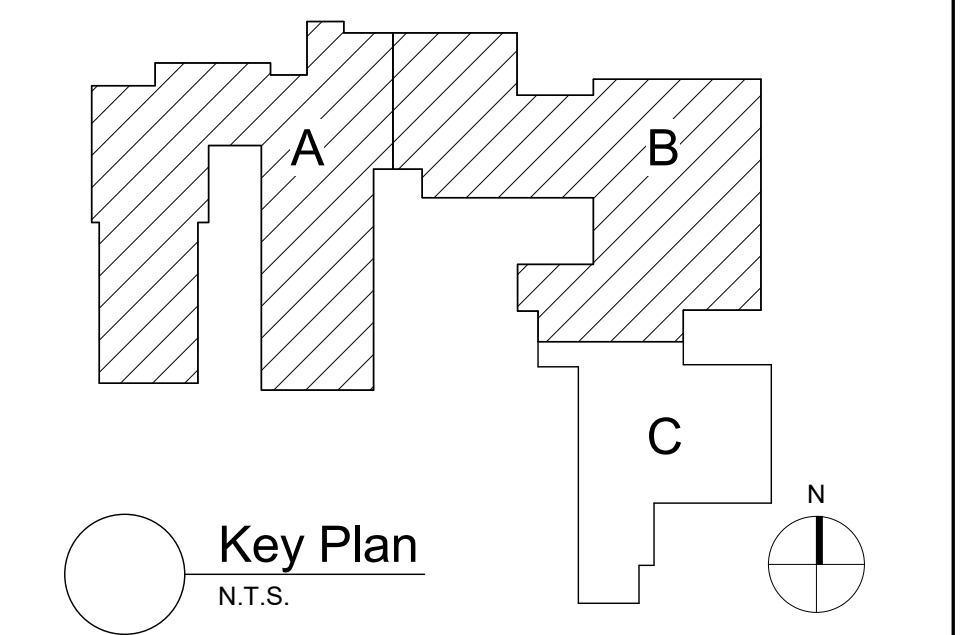
Room Finish Key	
C2	CARPET - TYPE 2 ENTRY WALK OFF
HPC	HIGH PERFORMANCE COATING
LVT	LUXURY VINYL TILE
MCS	MOISTURE CONTROL SYSTEM
N	NO WORK REQUIRED
P	PAINT SURFACE(S) INCLUDING SOFFITS
PT	PORCELAIN TILE
RB	RUBBER BASE
VCT1	VINYL COMPOSITION TILE - TYPE 1
*	SEE REFLECTED CEILING PLAN
**	PROVIDE RUBBER BASE AT AREAS WHERE THERE IS NOT PT.
***	WALLS WITH PT WILL HAVE NO WALL BASE.
****	THICKSET APPLICATION FOR PT.
*****	PROVIDE PAINT AT NEW WALLS.
+	INDICATED CHANGE IN FLOOR FINISH

NOTE: ALL FINISHES LISTED MAY NOT BE REQUIRED FOR THIS PROJECT. REFER TO DA900 FOR GENERAL FINISH AND GENERAL CASEWORK NOTES.

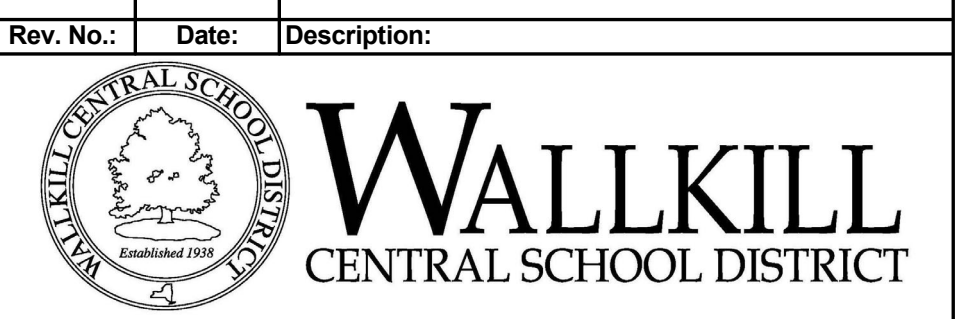
RM#	
CLG*	WALL
FLR	BASE

Ceiling Types	
A1	X'-X" ACOUSTIC PANEL CEILING
A2	X'-X" ACOUSTIC PANEL CEILING
B	X'-X" PAINTED 5/8" GYPSUM CEILING ON SUPPORT MATERIALS (GRID SUSPENSION SYSTEM, TYP UNO)

- General Ceiling Notes**
- LIGHTING AND OTHER CEILING-MOUNTED FIXTURES ARE SHOWN FOR DRAWING CLARITY. COORDINATE ALL CEILING WORK PRIOR TO INSTALLATION OF CEILING GRID.
 - CEILING HEIGHT IS 9'-0" ABOVE FINISHED FLOOR (UNO).
 - CENTER CEILING-MOUNTED ITEMS (LIGHTS, GRILLES, DETECTORS, SPRINKLER HEAD, ETC) WITHIN THE CEILING PANELS AND GRIDS UNLESS THE PANELS ARE SCORED. CENTER ITEMS WITHIN THE PATTERN OF SCORED PANELS.
 - PATCH CEILING SYSTEMS TO REMAIN THAT HAVE BEEN DISTURBED BY SCHEDULED WORK TO MATCH ADJACENT CONSTRUCTION PRIOR TO PAINTING.
 - X 9'-0"** DESIGNATES BOTTOM OF CEILING ABOVE FINISHED FLOOR AT THAT POINT UNO. DESIGNATION "ME" INDICATES MATCH EXISTING CEILING HEIGHT.



S.E.D. Control No. 62-18-01-06-0-005-015



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Walkkill Central School District
Walkkill, New York

Reconstruction to:
Plattekill Elementary School

Enlarged Plans / Interior Elevations

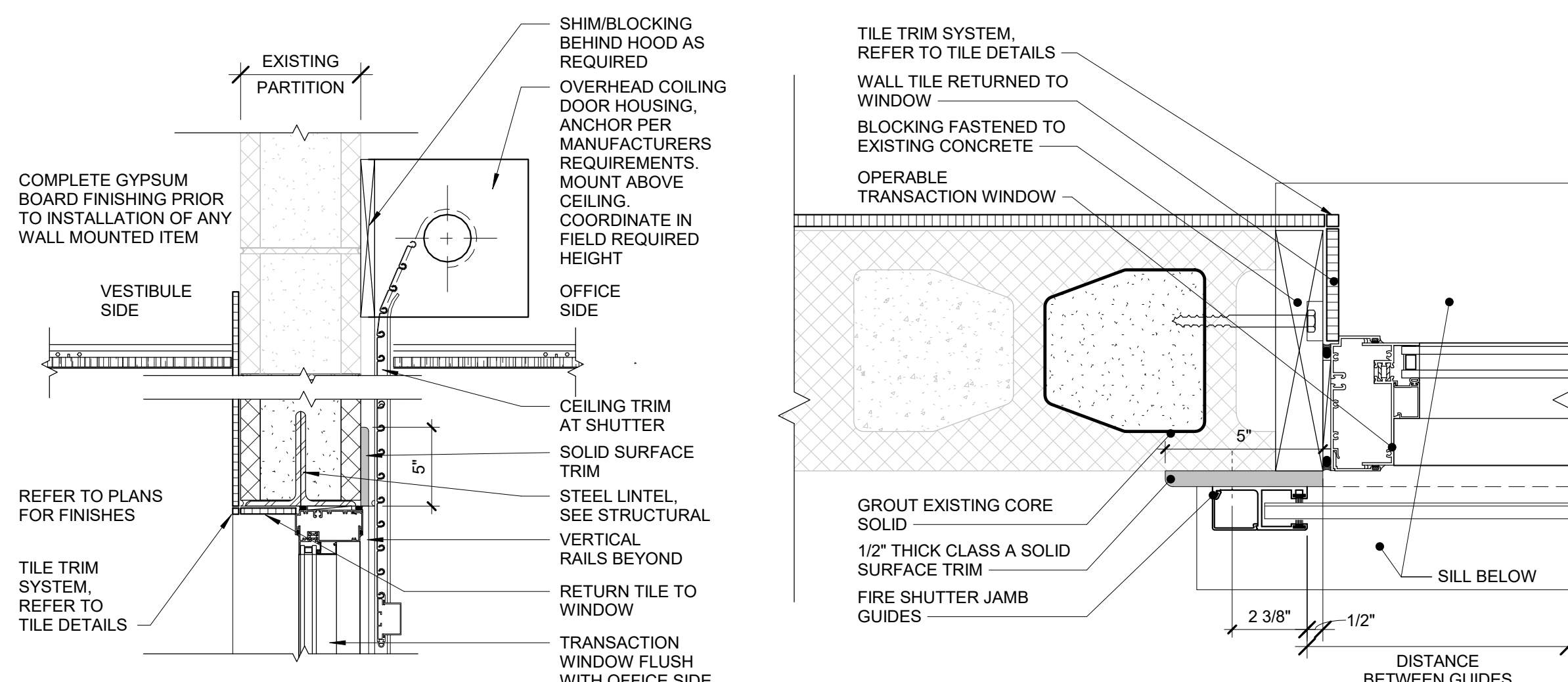
Drawn By: TTAE	Date: 11/4/2022	Drawing Number: DA400
Project No.: 17597-22001		

Door Schedule																			
ROOM NUMBER	DOOR NUMBER	DOOR						FRAME						HDW SET			REMARKS		
		TYPE	MATERIAL	WIDTH	HEIGHT	RATING	GLAZING	TYPE	MATERIAL	WIDTH	HEIGHT	RATING	GLAZING	HEAD	JAMB	SILL			
BASEMENT PRE 58																			
G1	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
G1	2	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
G7	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
1st FLOOR																			
1	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
2	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
3	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
4	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
5	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
6	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
6	2	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
7	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P3		
7	2	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P3		
7A	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
8	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P2	NOTE 2	
9	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P2	NOTE 2	
10	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P2	NOTE 2	
11	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
12	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
13	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
14	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
15	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
16	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
17	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
18	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
19	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P2	NOTE 2	
20	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
21	1	EXG	EXG	2'-6"	7'-0"	-	-	EXG	EXG	2'-10"	7'-4"	-	-				P1	NOTE 2	
22	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
23	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
24	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
25	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
26	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
27	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
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32	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P2	NOTE 2	
34	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P3		
34	2	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P3		
35	1	EXG-PR	EXG	3'-0"	7'-0"	-	-	EXG	EXG	6'-4"	7'-4"	-	-				P4		
35	2	EXG-PR	EXG	3'-0"	7'-0"	-	-	EXG	EXG	6'-4"	7'-4"	-	-				P4		
35B	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1		
37	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
40	1	EXG-PR	EXG	3'-0"	7'-0"	-	-	EXG	EXG	6'-4"	7'-4"	-	-				P4		
41	1	EXG-PR	EXG	3'-0"	7'-0"	-	-	EXG	EXG	6'-4"	7'-4"	-	-				P4		
42	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1		
47	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
48	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
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109	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
111A	1	N	WD	3'-0"	7'-0"	20 MIN	FP	F1	HM	3'-4"	7'-4"	20 MIN		H14	J13 SIM	J14	J13 SIM	P5	NOTE 3
111A	2	-	-	0"	0"	-	-	P22	HM	3'-0"	4'-0"	45 MIN	FPC						HOLLOW METAL WINDOW
C1	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
C1	2	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
C1	3	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
P11	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
P104	1	EXG-PR	EXG	3'-0"	7'-0"	-	-	EXG	EXG	6'-4"	7'-4"	-	-				P2	NOTE 2	
P104	2	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
P106	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
P106	2	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-4"	-	-				P1	NOTE 2	
P113	1	N	WD	3'-0"	7'-0"	20 MIN	FP	F6	HM	14'-0"	7'-4"	20 MIN	FPC	J2	J2	P5	NOTE 2		
V1	1	G2-PR	AL	3'-0"	7'-0"	-	-	FCE/SCL	SD1	AL	12'-10"	8'-8"	-	FCE/SCL	6/DA600	6/DA600	P8	NOTE 1, NOTE 3	
V1	2	G2-PR	AL	3'-0"	7'-0"	-	-	SCL	SD2	AL	13'-0"	8'-8"	-	SCL	7/DA600	10/DA600	P7	NOTE 3	
NOTE 1: - EXTERIOR DOORS TO REDUCE MANUFACTURER'S 58'-0" STATE CONTRACT -CYLINDERS AND OTHER LISTED.																			
NOTE 2: - MODIFICATION LOCK SUPPLIED AND INSTALLED BY L																			
NOTE 3: - REFER TO SECURITY DOCUMENTS FOR ADDITIONAL INFORMATION ON SECURITY HARDWARE																			

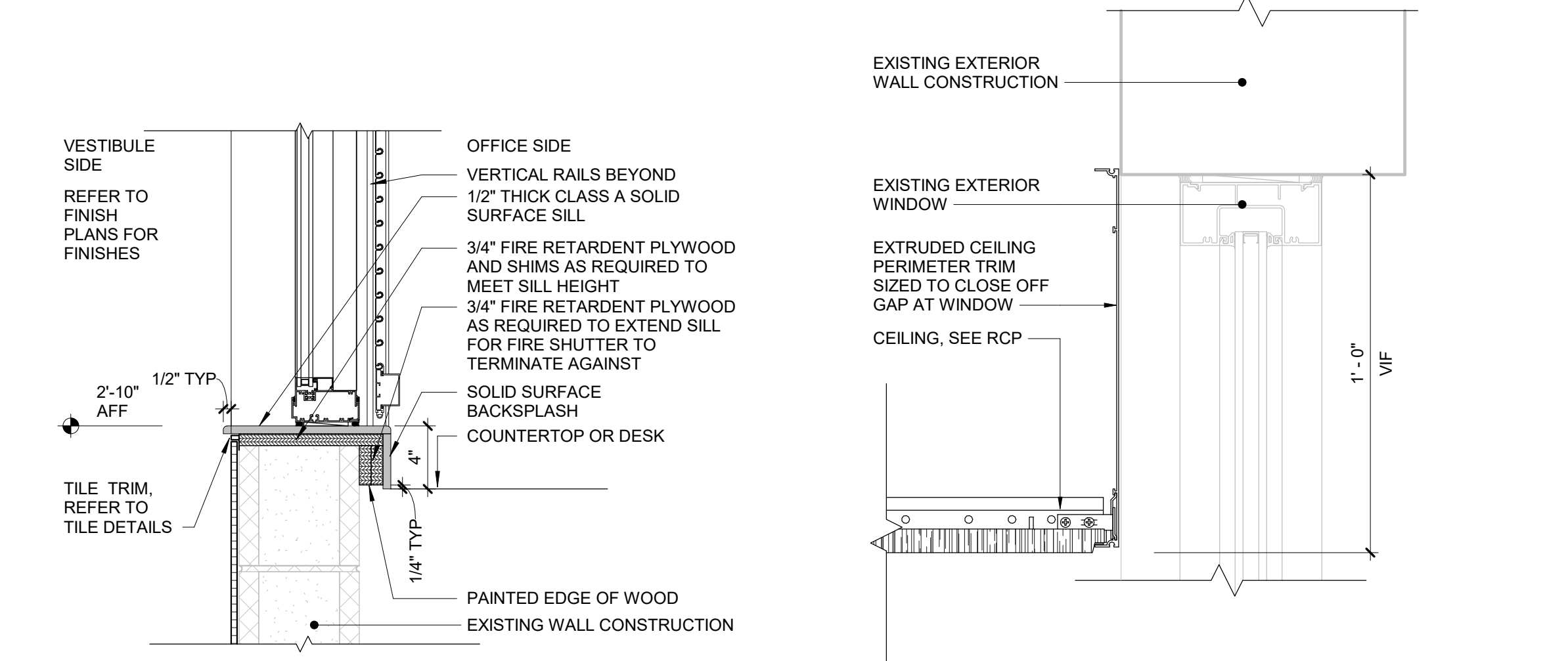
NOTE 1: EXTERIOR DOORS TO RECEIVE MANUFACTURER'S 1/2" STANDARD ALUMINUM THERMALLY BROKEN DOOR - 0" THRESHOLD, SIZED TO FIT OPENING

NOTE 2: MODIFICATION LOCK SUPPLIED AND INSTALLED BY STATE CONTRACT - CYLINDERS AND OTHER LISTED HARDWARE BY GENERAL CONTRACT

NOTE 3: REFER TO SECURITY DOCUMENTS FOR ADDITIONAL INFORMATION ON SECURITY HARDWARE

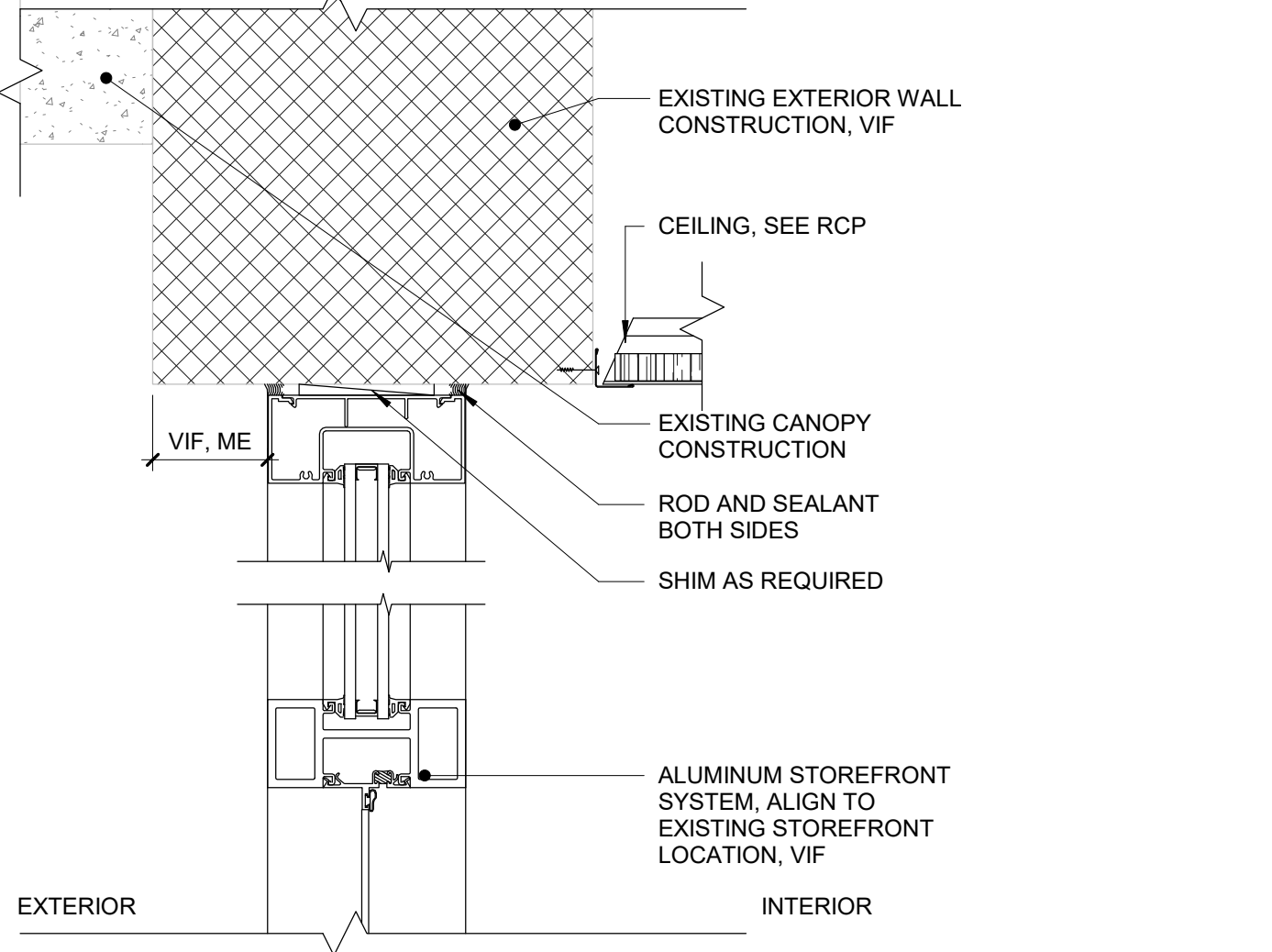


13 Fire Shutter Head Detail
1 1/2" = 1'-0"

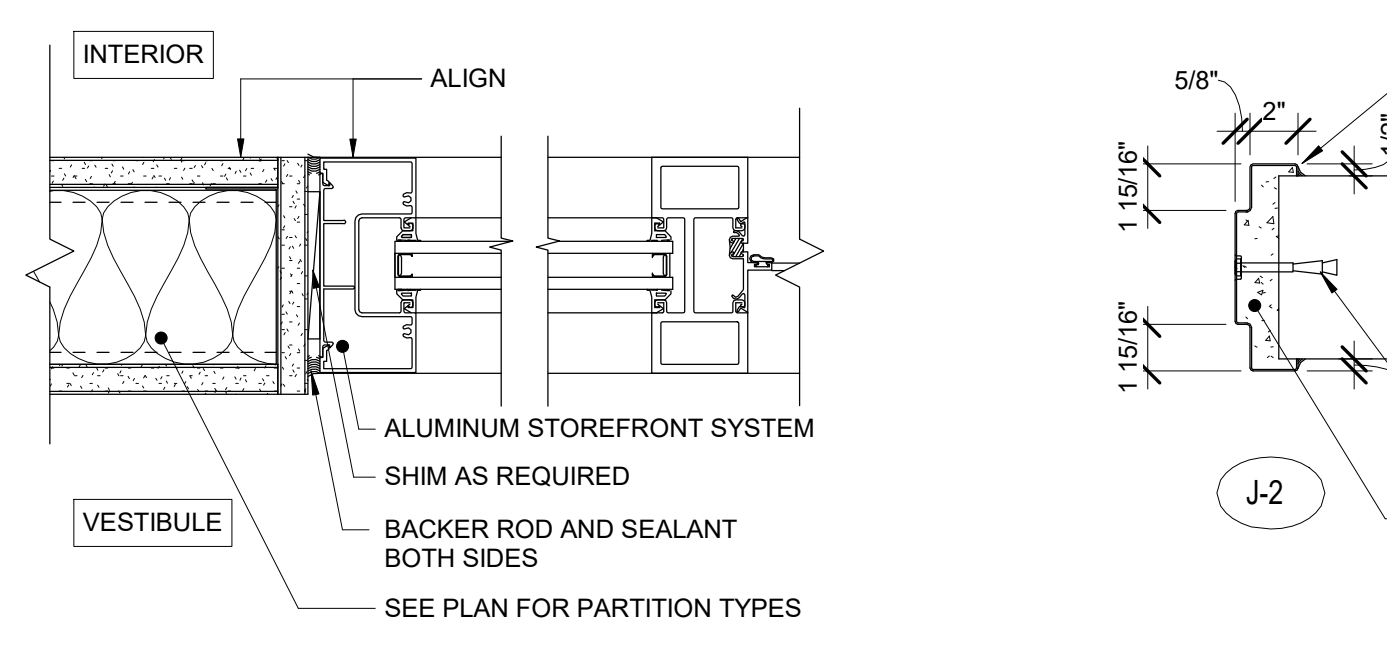


14 Fire Shutter Sill Detail
1 1/2" = 1'-0"

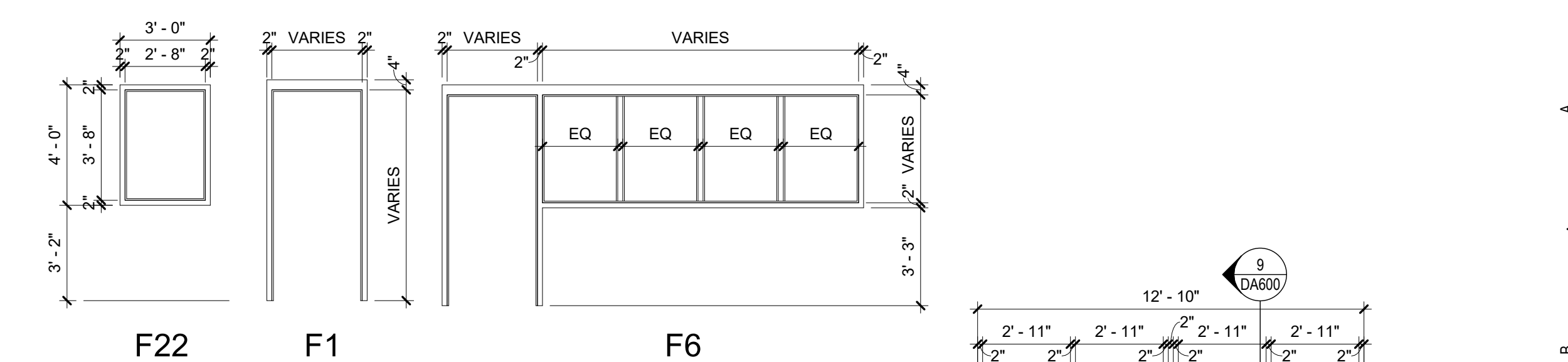
12 Ceiling at Window Detail
3" = 1'-0"



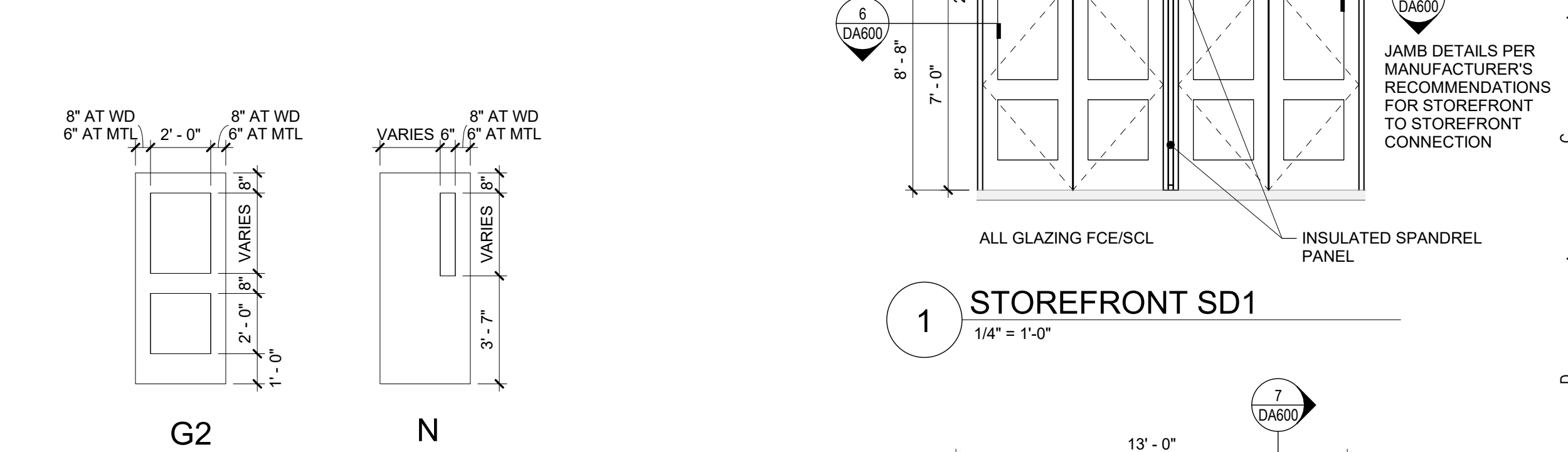
9 Storefront Head Exterior
3" = 1'-0"



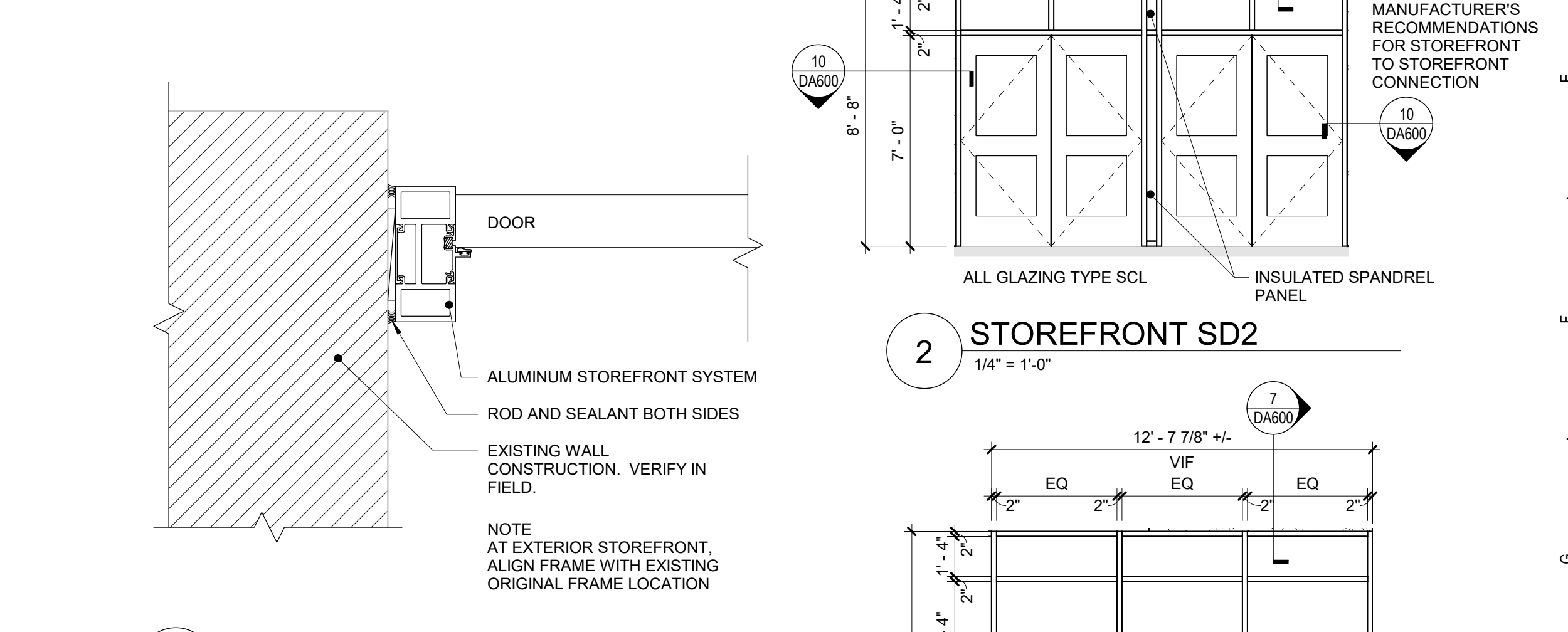
10 Storefront Jamb Detail
3" = 1'-0"



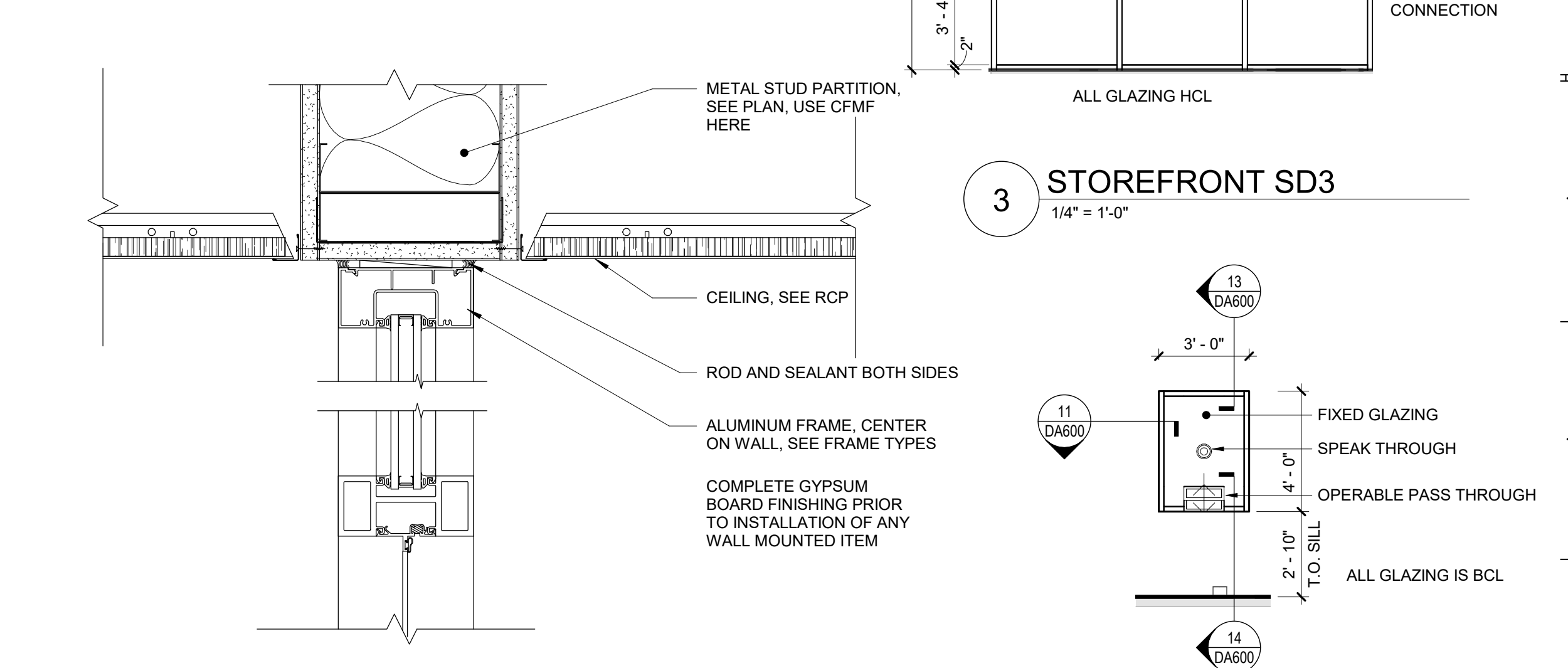
FRAME TYPES



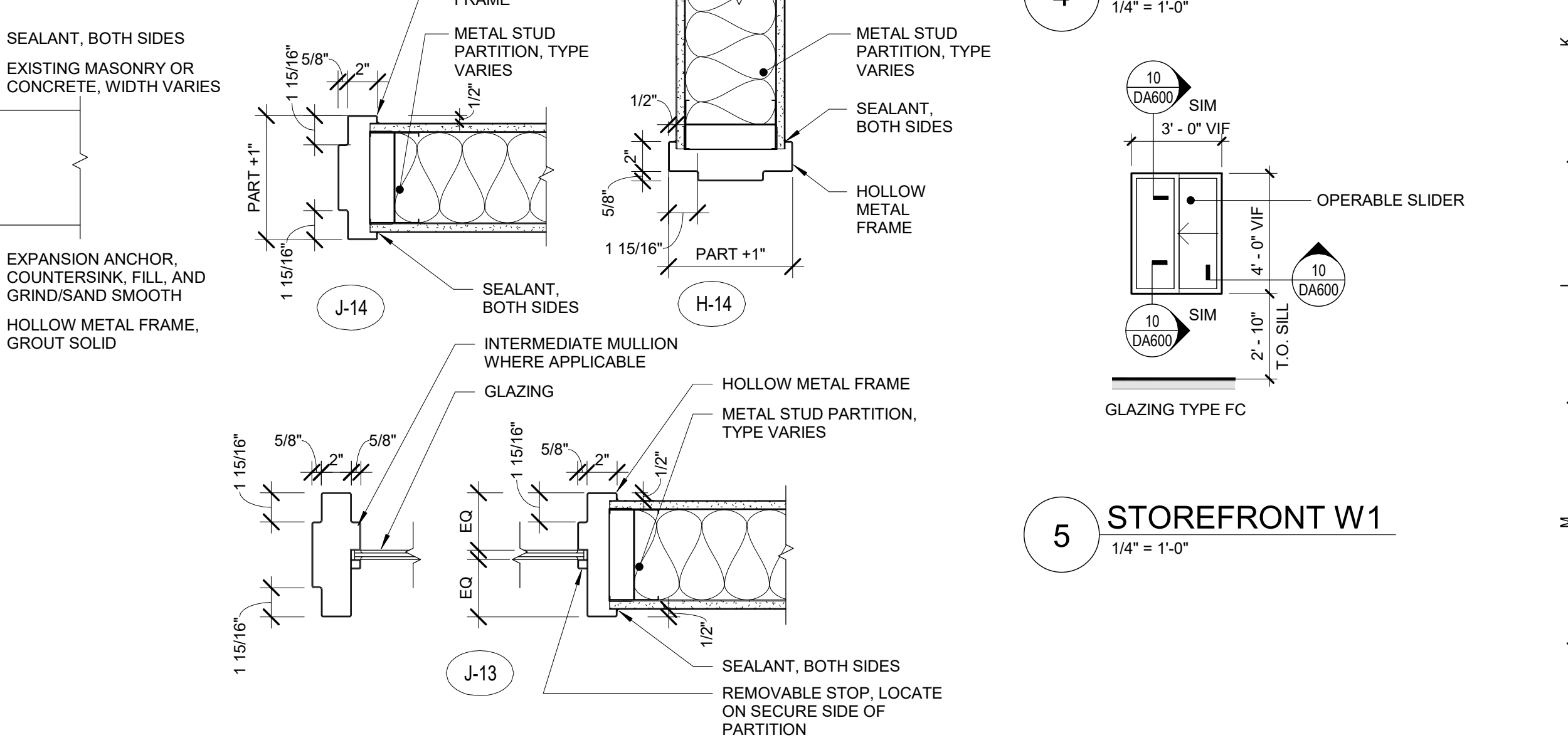
DOOR TYPES



6 Storefront Jamb
3" = 1'-0"



7 Storefront Head Interior
3" = 1'-0"



8 Hollow Metal Frame Details
1 1/2" = 1'-0"

General Door Notes

- HARDWARE ON DOORS FROM SPACES OF PUPL OCCUPANCY SHALL BE A TYPE WHICH WILL ALWAYS PERMIT THE DOOR TO BE OPENED FROM THE INSIDE WITHOUT DIRECT MANIPULATION OF ANY TYPE LOCKING DEVICE.
- METAL VISION PANEL TRIM SHALL BE PAINTED SAME COLOR AS DOOR FRAMES.
- ALL DOORS WITH ELECTRO-MAGNETIC HOLD OPEN DEVICES SHALL SWING TOWARDS ADJACENT WALLS. COORDINATE ALL INSTANCES WITH CONTRACTOR RESPONSIBLE FOR ELECTRICAL WORK, AND SEE ELECTRICAL DWGS.
- ALL DOOR HARDWARE FROM OCCUPIED SPACES SHALL BE OF A TYPE THAT WILL ALWAYS PERMIT THE DOOR TO BE OPENED FROM WITHIN THE SPACE WITHOUT USE OF A KEY.
- ALL HM FRAMES IN CMU WALLS SHALL BE GROUTED SOLID.
- APPLY CONTINUOUS JOINT SEALANT TO ALL JOINTS BETWEEN FRAMES AND WALLS, TYP ALL.
- PAINTE ALL HM DOORS AND FRAMES IN ACCORDANCE W/ SECTION 090900.
- PROVIDE LINTELS AT ALL DOOR AND WINDOW OPENINGS IN ACCORDANCE WITH LINTEL SCHEDULE ON STRUCTURAL DWGS.
- PROVIDE WINDOW TREATMENTS AT SIDELIGHTS, EXCLUDING TRANSOM DIRECTLY ABOVE DOORS. REFER TO WINDOW TREATMENT PLANS FOR LOCATIONS.
- NOTE THAT DUE TO REQUIREMENTS IN THE BONS, SOME FIRE RESISTANCE RATINGS MAY DIFFER BETWEEN DOORS (AND ITS GLASS, IF ANY) AND THAT DOORS FRAME ESPECIALLY IF THAT FRAME HAS GLASS (SIDELITES, TRANSOMS, ETC).

General Window Notes

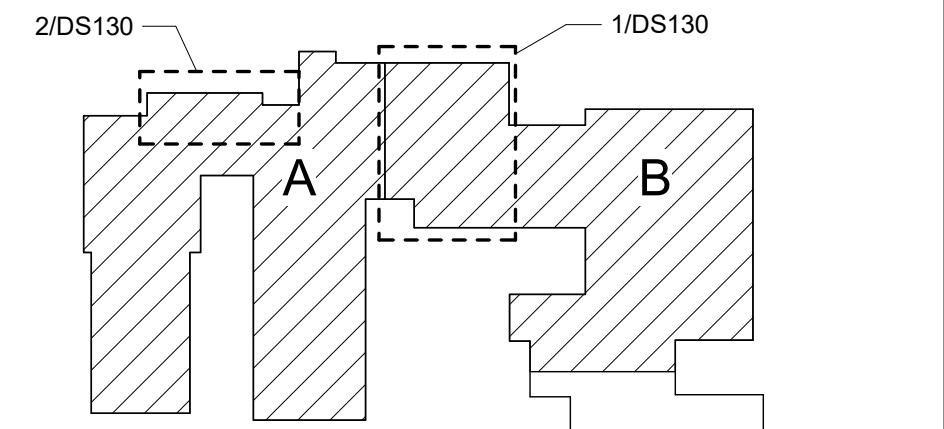
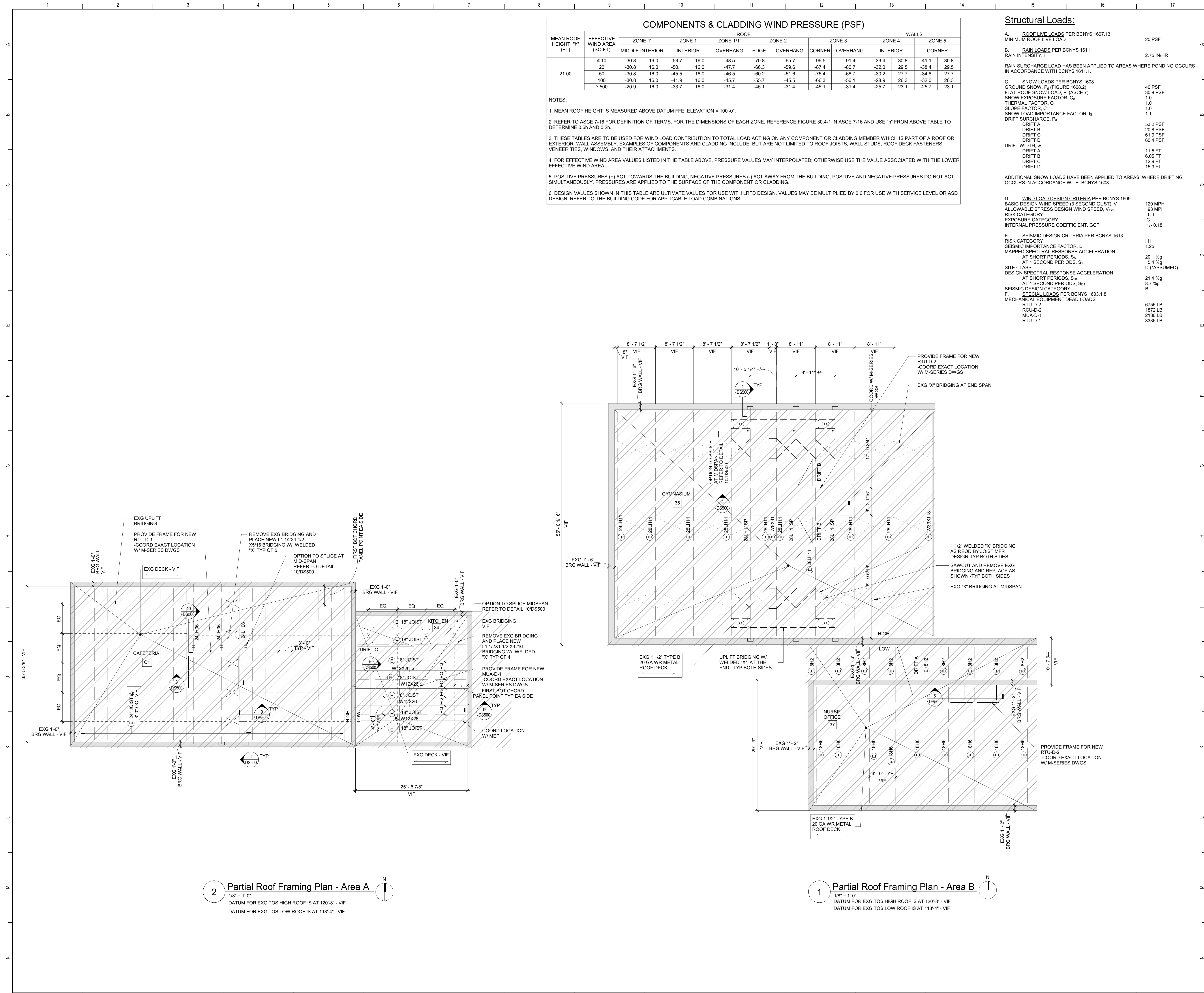
- INSULATING GLASS UNITS SHALL BE TYPE FCE/SCL, TYP UNO.
- RESCUE WINDOWS ARE INDICATED BY THE DESIGNATION "RW".
- PROVIDE ALL ALUMINUM FLASHINGS, RECEIVERS, TRIM AND SILLS REQUIRED FOR A COMPLETE AND FINISHED INSTALLATION REGARDLESS OF IF SHOWN ON DRAWINGS.
- REFER TO WINDOW TREATMENTS AS SHOWN ON DRAWINGS.
- GLAZING SYSTEMS FRAME TYPE KEY:
W ALUMINUM WINDOW
F HOLLOW METAL
S ALUMINUM STOREFRONT
X ALUMINUM SECURITY WINDOWS
- PROVIDE INTERNAL STEEL REINFORCEMENT TO WINDOW. STOREFRONT AND CURTAIN WALL SYSTEMS AS REQUIRED TO COMPLY WITH WIND LOADING OR OTHER DESIGN CRITERIA, OR AS RECOMMENDED BY MANUFACTURER.
- ALUMINUM WINDOW, STOREFRONT AND CURTAIN WALL FRAME EXTRUSIONS ARE INTENDED AS GENERIC GRAPHIC REPRESENTATIONS ONLY.

S.E.D. Control No. 62-18-01-06-0-005-015

Rev. No.	Date	Description



DA900



S.E.D. Control No. 62-18-01-06-0-005-015

Rev. No.: Date: Description:



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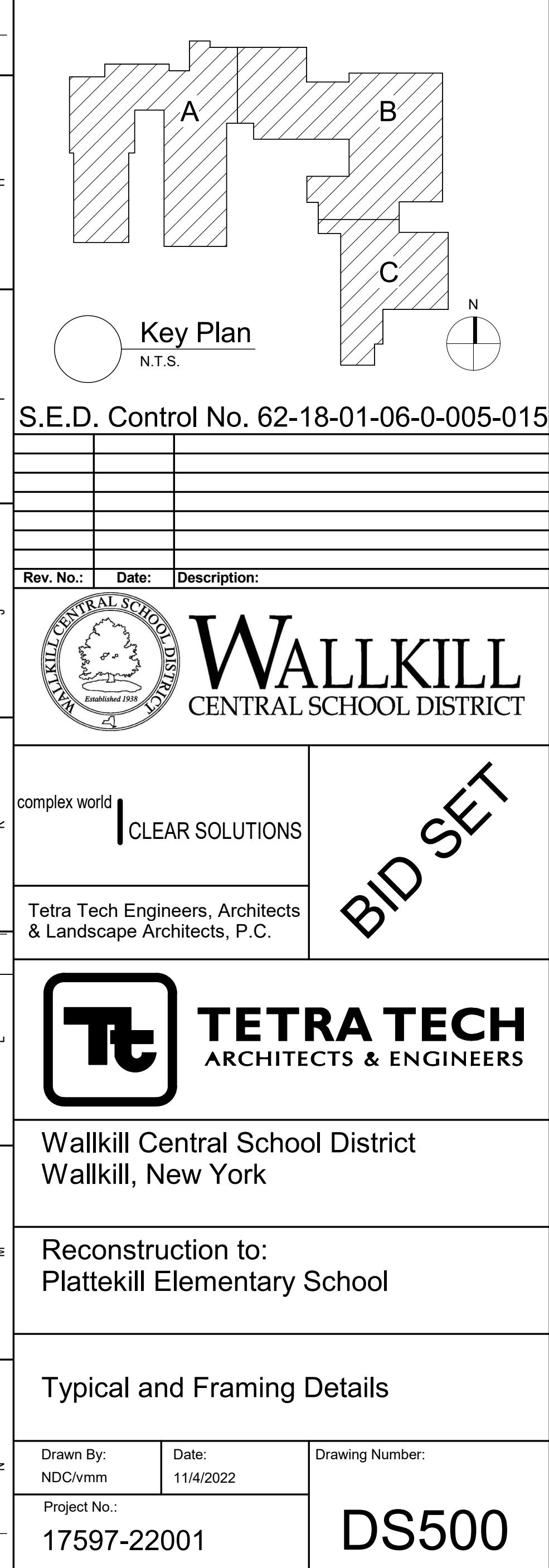
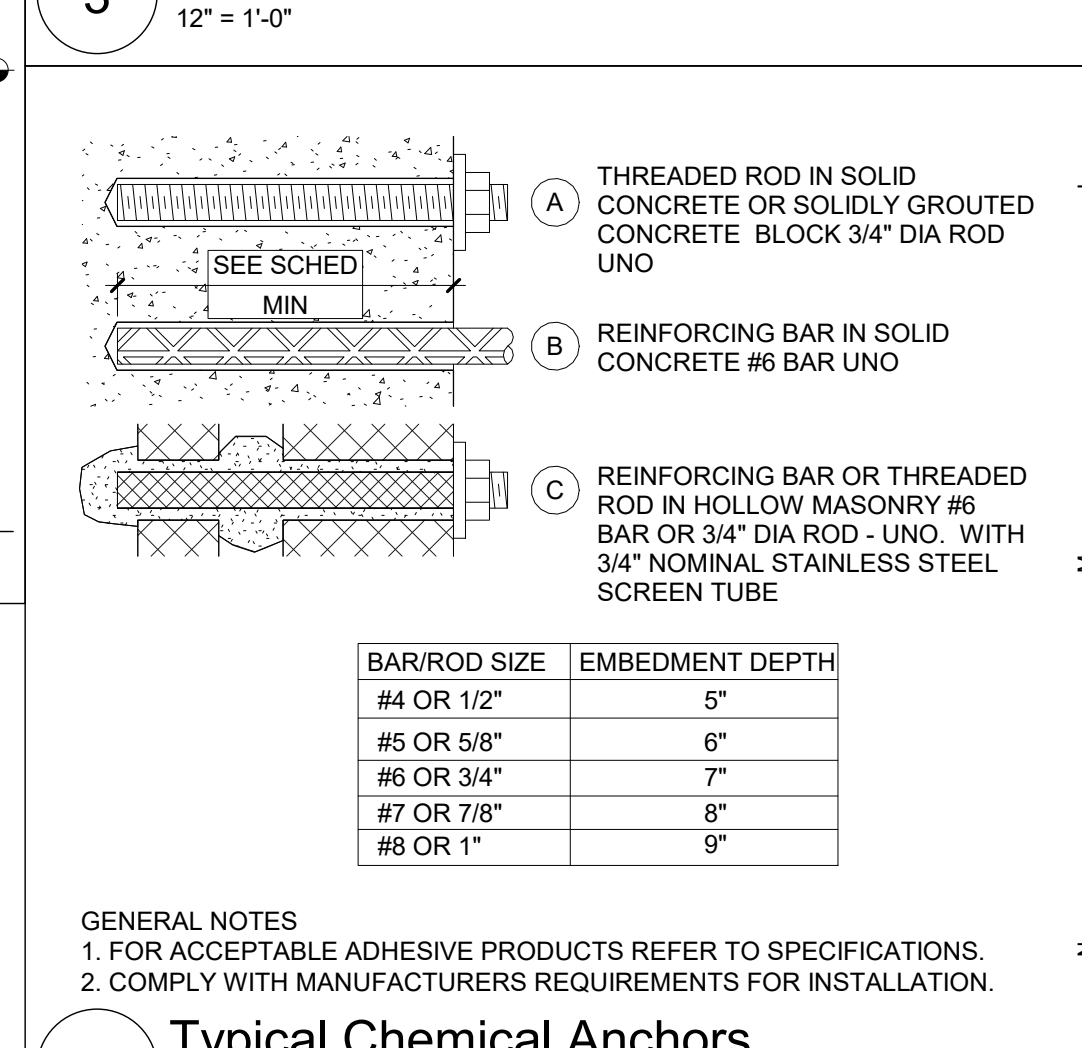
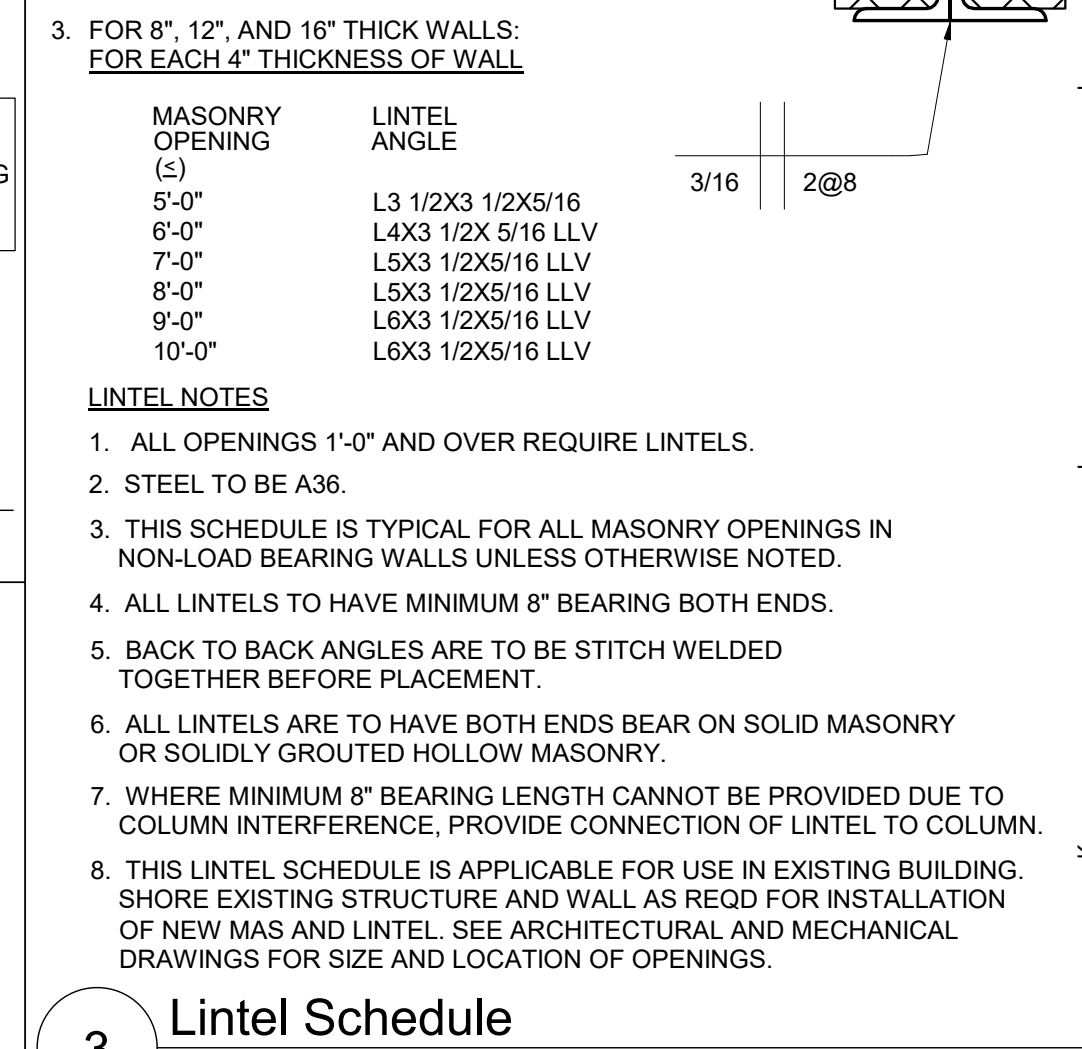
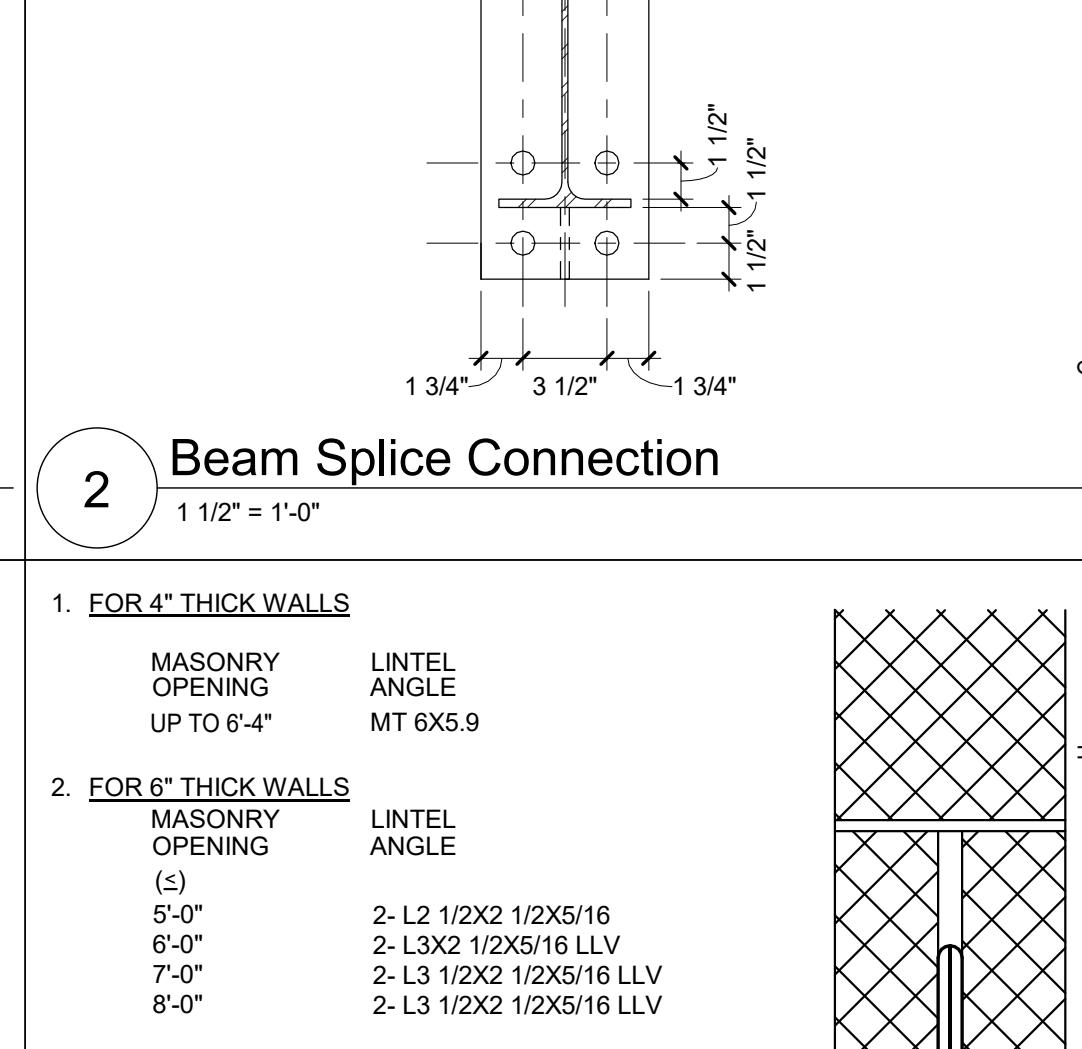
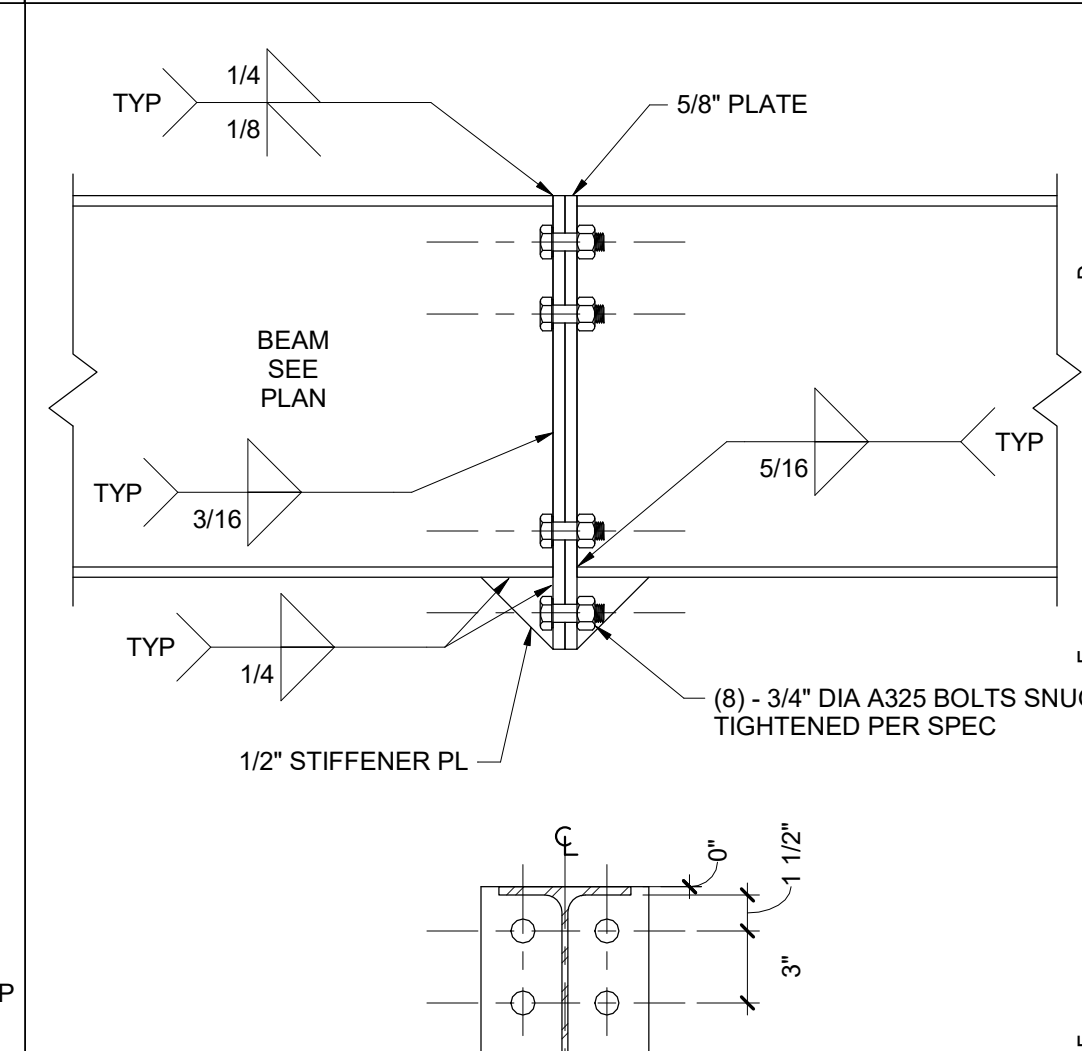
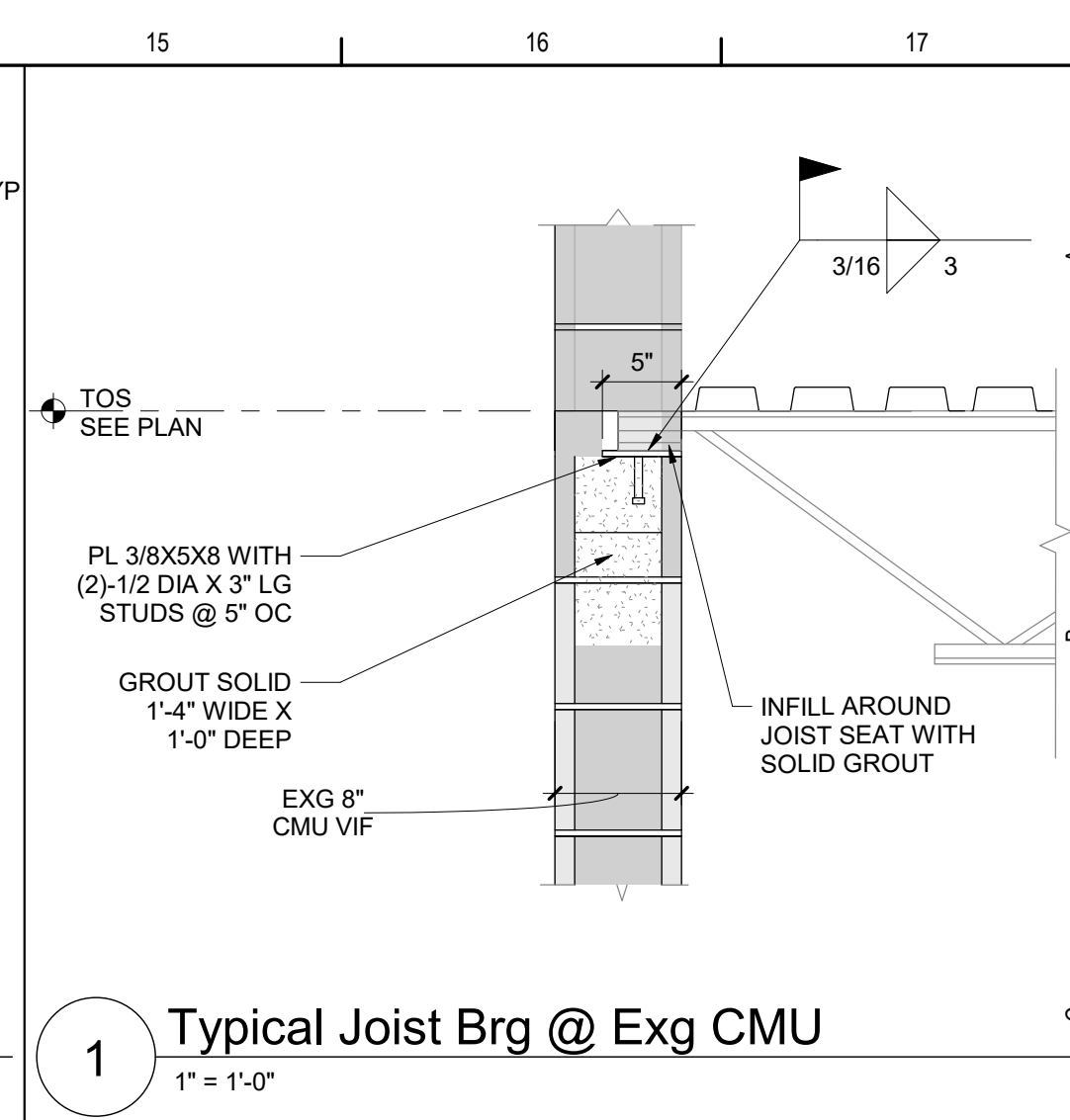


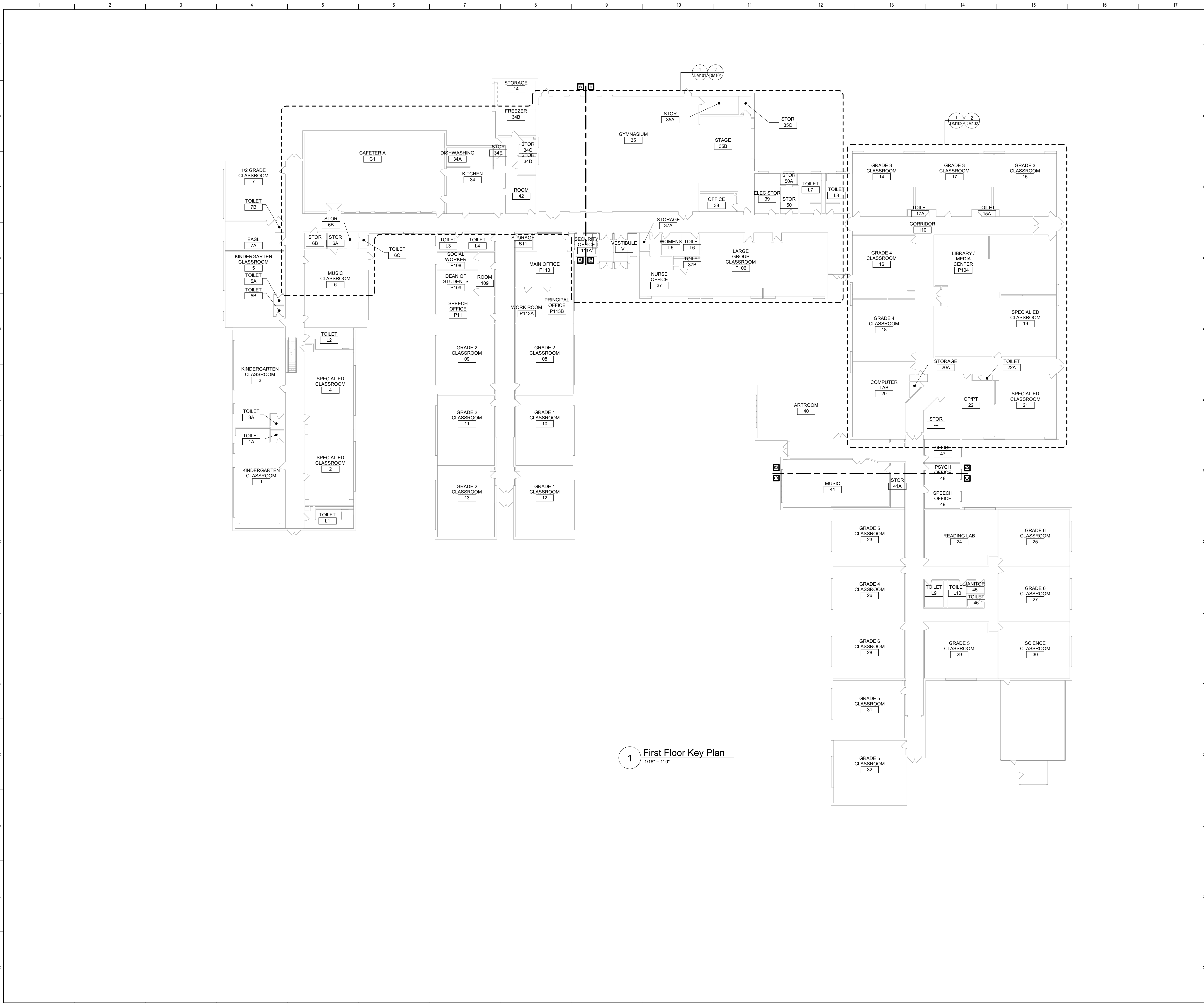
Walkkill Central School District
Walkill, New York

Reconstruction to:
Plattekill Elementary School

Partial Roof Framing Plan Areas A & B

Drawn By: NDC/vmm Date: 11/4/2022 Drawing Number: 17597-22001 DS130

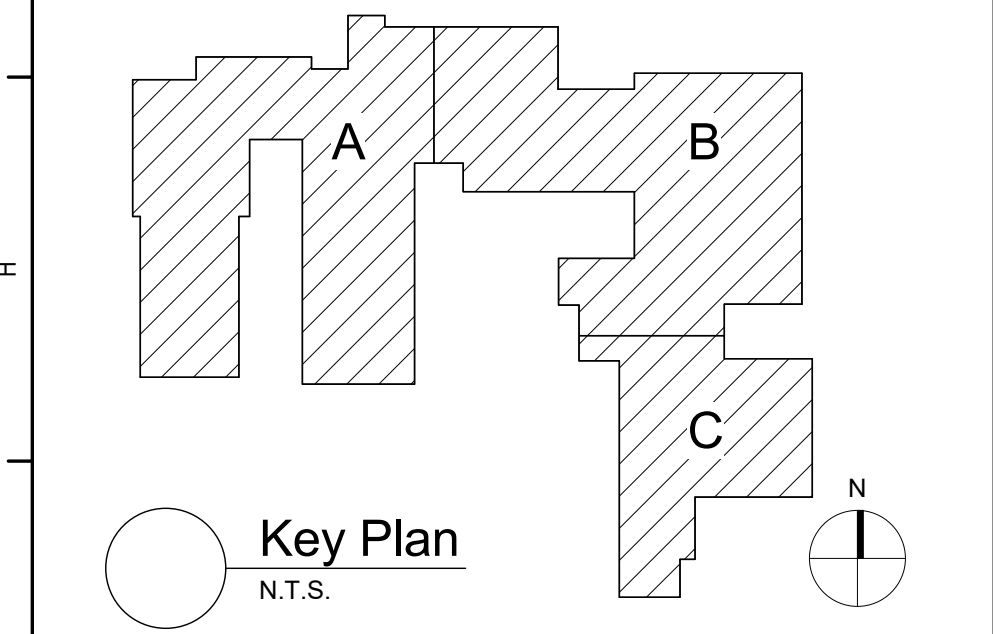




1 First Floor Key Plan
1/16" = 1'-0"

General Notes

- A. THE FOLLOWING GENERAL NOTES APPLY TO ALL "DM" SERIES DRAWINGS.
- B. REFER TO ALL CONTRACT DOCUMENTS, DRAWINGS AND SPECIFICATIONS, FOR DETAILED STANDARDS AND REQUIREMENTS.
- C. REPORT UNSAFE OR UNSATISFACTORY CONDITIONS IN WRITING TO ARCHITECT AND RESOLVE ISSUES BEFORE PROCEEDING.
- D. WORK INCLUDES ALL LABOR AND MATERIALS REQUIRED TO PROVIDE COMPLETE WORKING SYSTEMS.
- E. COORDINATE PHASING REQUIREMENTS AT JOB MEETINGS AND ON WORK SCHEDULES.
- F. DO NOT SCALE DRAWINGS. PIPING AND DUCTWORK ARE SHOWN DIAGRAMMATICALLY. IT IS NOT POSSIBLE TO SHOW EVERY TRANSITION, FITTING, ASPECT RATIO CHANGE, ETC. PROVIDE AS REQUIRED TO FIT WITHIN STRUCTURAL CONSTRAINTS. EXAMINE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED AND VERIFY ALL ACCESS, LOCATIONS, DIMENSIONS, ARRANGEMENTS, ELECTRICAL CHARACTERISTICS AND INTERFERENCE IN THE FIELD PRIOR TO BID.
- G. VERIFY EXTENT OF CEILING WORK SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS. PROVIDE FOR ADDITIONAL CEILING SYSTEM REMOVAL, PROTECTION, AND REINSTALLATION AS REQUIRED FOR CONTRACT WORK.
- H. DEMOLITION DRAWINGS SHOW THE GENERAL SCOPE OF ITEMS AND SYSTEMS TO BE REMOVED. IT IS NOT THE INTENT TO SHOW ALL ITEMS TO BE REMOVED. FIELD VERIFY AND REMOVE ALL ASSOCIATED ITEMS BACK TO POINT OF CONTINUED SERVICE, UNLESS OTHERWISE NOTED. VERIFY WHAT ALL EQUIPMENT SERVES PRIOR TO REMOVAL.
- I. GIVE ALL REMOVED EQUIPMENT TO THE OWNER. DELIVER ON SITE WHERE DESIGNATED BY THE OWNER. PROMPTLY REMOVE FROM THE SITE AND LEGALLY DISPOSE OF ANY SUCH ITEMS DECLINED BY OWNER.
- J. IF UNANTICIPATED MECHANICAL, ELECTRICAL, OR STRUCTURAL CONFLICTS ARE ENCOUNTERED, INVESTIGATE AND REPORT BOTH NATURE AND EXTENT OF THE CONFLICT. RE-ROUTE WORK AS REQUIRED.
- K. CUT, DRILL, OR OTHERWISE CREATE OPENINGS AS NEATLY AS POSSIBLE, AS REQUIRED FOR THE INDICATED CONTRACT WORK. PROVIDE SUPPORT AS REQUIRED FOR AND USE METHODS LEAST LIKELY TO DAMAGE ELEMENTS TO REMAIN. PRIOR TO WORK, VERIFY LOCATIONS OF ALL STRUCTURAL MEMBERS INCLUDING CROSS BRACING, ELECTRICAL WIRING, PLUMBING, ETC. PROMPTLY NOTIFY ARCHITECT OF ANY CONFLICTS. DO NOT CUT ANY STRUCTURAL MEMBERS OR OTHER SERVICES UNTIL SPECIFICALLY DIRECTED TO DO SO. PENDING RECEIPT OF DIRECTIVE, REARRANGE SCHEDULE AS NECESSARY TO CONTINUE OVERALL JOB PROGRESS WITHOUT DELAY.
- L. PATCH ALL DISTURBANCES RESULTING FROM DEMOLITION OR NEW WORK TO MATCH SURROUNDING SURFACES. PATCH FOLLOWING DEMOLITION, AND AGAIN FOLLOWING WORK, WHERE HOLES REMAIN FROM REMOVALS, INFILL AND PATCH TO MATCH UNLESS HOLE IS TO BE REUSED.
- M. PROTECT ALL CONTRACT EQUIPMENT, ELEMENTS TO REMAIN, OWNER'S BELONGINGS, AND EQUIPMENT TO BE REUSED OR RETAINED BY OWNER DURING ALL CONTRACT WORK. AT NO ADDITIONAL COST TO OWNER, REPAIR OR REPLACE ITEMS WHICH ARE DAMAGED.
- N. THOROUGHLY CLEAN FOLLOWING DEMOLITION AND BEFORE BEGINNING CONTRACT INSTALLATIONS. THOROUGHLY CLEAN AGAIN DURING AND FOLLOWING CONTRACT WORK AS REQUIRED. LEAVE ALL WORK AREAS CLEANER THAN FOUND. LEGALLY DISPOSE OF ALL CONSTRUCTION DEBRIS.
- O. PROVIDE TEMPORARY PIPING, DUCT, HEAT, WEATHERPROOFING, ETC. TO SERVICES TO REMAIN UNTIL PERMANENT INSTALLATIONS CAN BE MADE.
- P. ALL EXCESS MATERIALS AND SCRAPS ARE CONTRACTOR'S PROPERTY. PROMPTLY REMOVE FROM SITE UNLESS SPECIFICALLY DIRECTED OTHERWISE.
- Q. EXISTING HVAC COMPONENTS IN THIS BUILDING MAY CONTAIN, BE IN PROXIMITY TO, OR, WORK ON THEM MAY CAUSE DISTURBANCE OF, ASBESTOS CONTAINING OR OTHER HAZARDOUS MATERIALS. REFER TO ABATEMENT SERIES DRAWINGS AND SPECIFICATIONS COMPLETE FOR ADDITIONAL INFORMATION. PROVIDE FOR RE-INSULATION AS SPECIFIED FOR ALL EXISTING TO REMAIN HVAC COMPONENTS WHERE INSULATION IS REMOVED AS A PART OF ABATEMENT WORK.
- R. SEAL ALL FLOOR, WALL AND CEILING PENETRATIONS PER FIRE, RESISTANCE RATINGS, NOTED ON DG-SERIES DRAWINGS, BUT NOT LESS THAN 1-HOUR, AND IN ACCORDANCE WITH SECTION 07 84 13 - PENETRATION FIRESTOPPING. THIS INCLUDES ALL NEW PENETRATIONS AND EXISTING UNFIRESTOPPED PENETRATIONS CREATED BY REMOVALS, AS REQUIRED TO PERFORM THE WORK.



S.E.D. Control No. 62-18-01-06-0-005-015

Rev. No.: Date: Description:



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BID SET

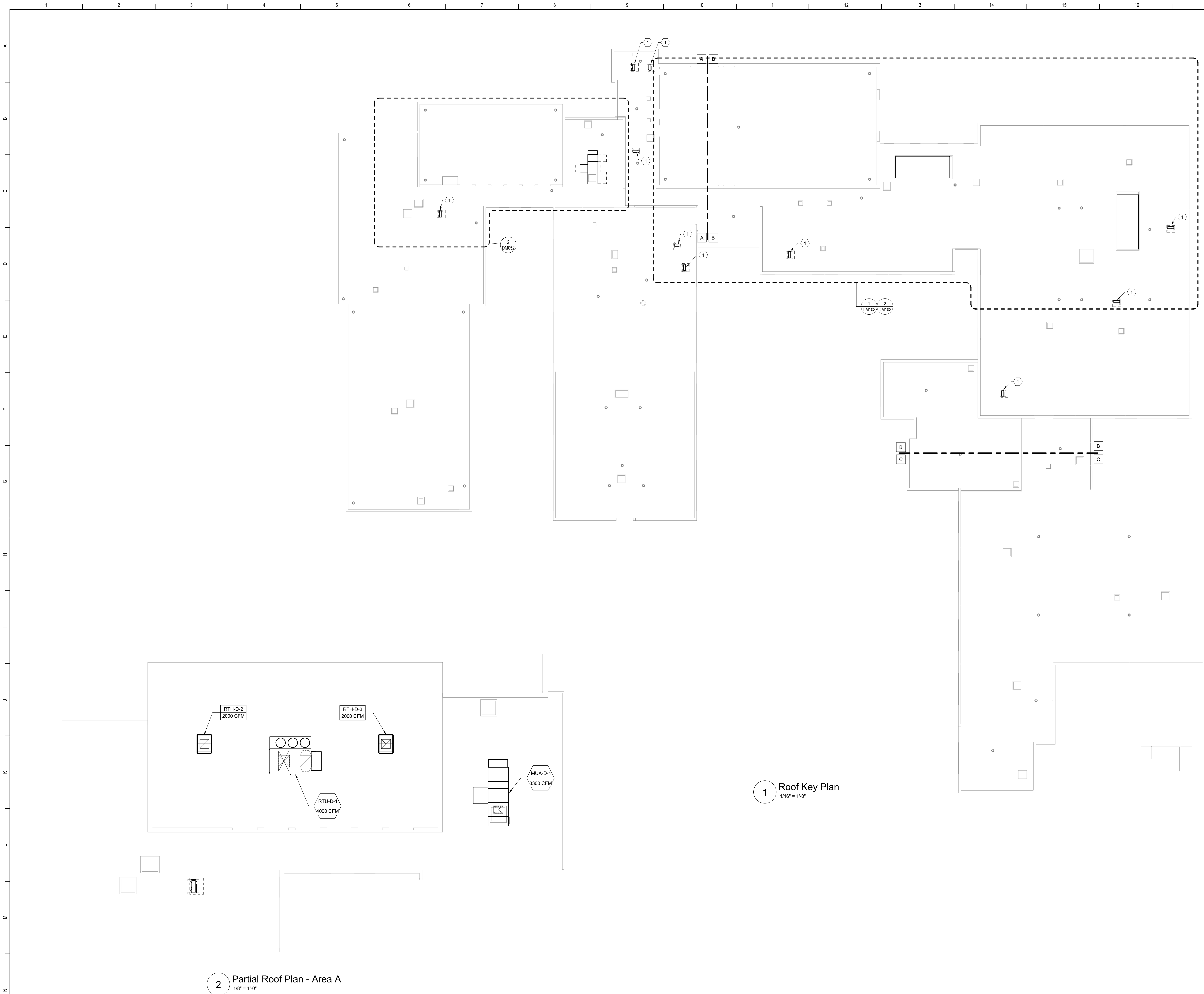


Wallkill Central School District
Wallkill, New York

Reconstruction to:
Plattekill Elementary School

First Floor Key Plan

Drawn By: JPI/pgm	Date: 11/4/2022	Drawing Number: DM051
Project No.: 17597-22001		

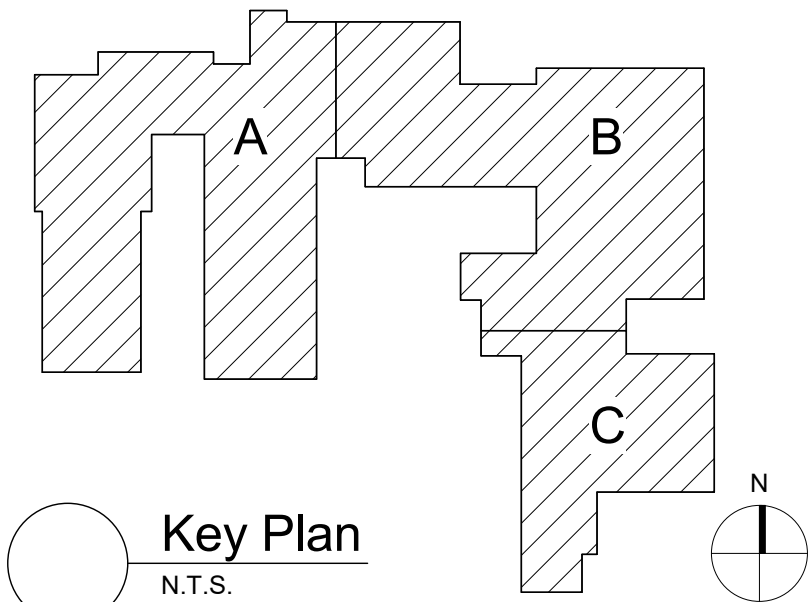


General Notes

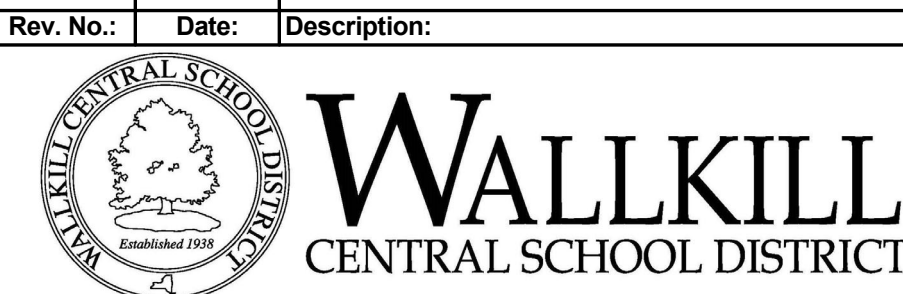
A. REFER TO DM051 FOR GENERAL NOTES.

KEYED NOTES

- 1 TEMPORARILY REMOVE CONDENSING UNIT AND STORE FOR REUSE. EVACUATE ALL REFRIGERANT PRIOR TO REMOVAL. DISCONNECT AND REMOVE REFRIGERANT TUBING AS REQUIRED UNTIL COMPLETION OF ROOFING WORK. PROVIDE NON-PENETRATING ROOF STRUT SUPPORT SYSTEM FOR RCU INSTALLATION (REFER TO RCU MOUNTING DETAIL). REINSTALL CONDENSING UNIT ON SUPPORT SYSTEM AND EXTEND REFRIGERANT TUBING AND POWER WIRING TO UNIT. MATCH REFRIGERANT TUBING SIZES AND FULLY CHARGE UNIT WITH NEW REFRIGERANT. INSULATE REFRIGERANT TUBING. COORDINATE WITH ROOFING WORK.



S.E.D. Control No. 62-18-01-06-0-005-015



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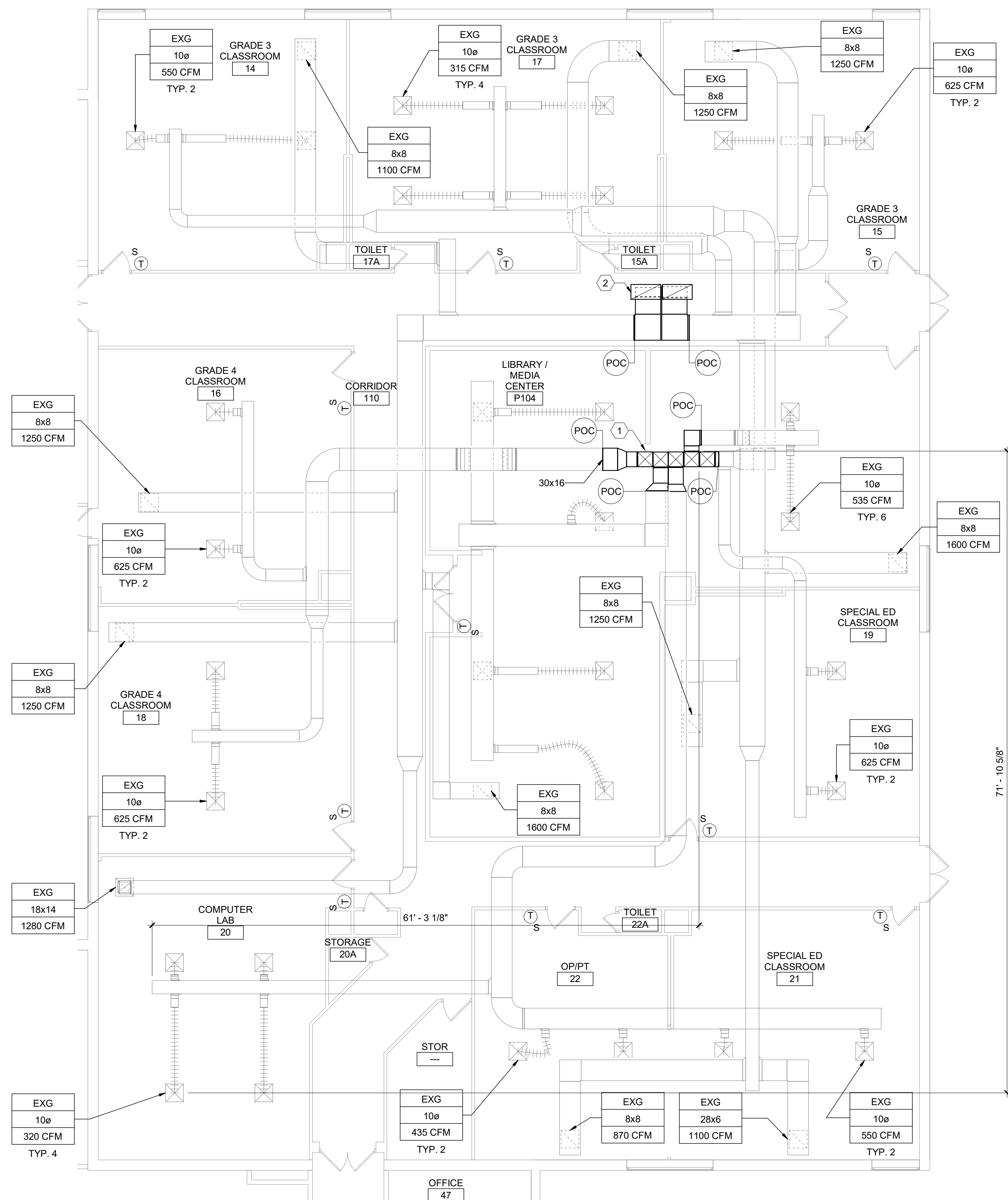


Wallkill Central School District
Wallkill, New York

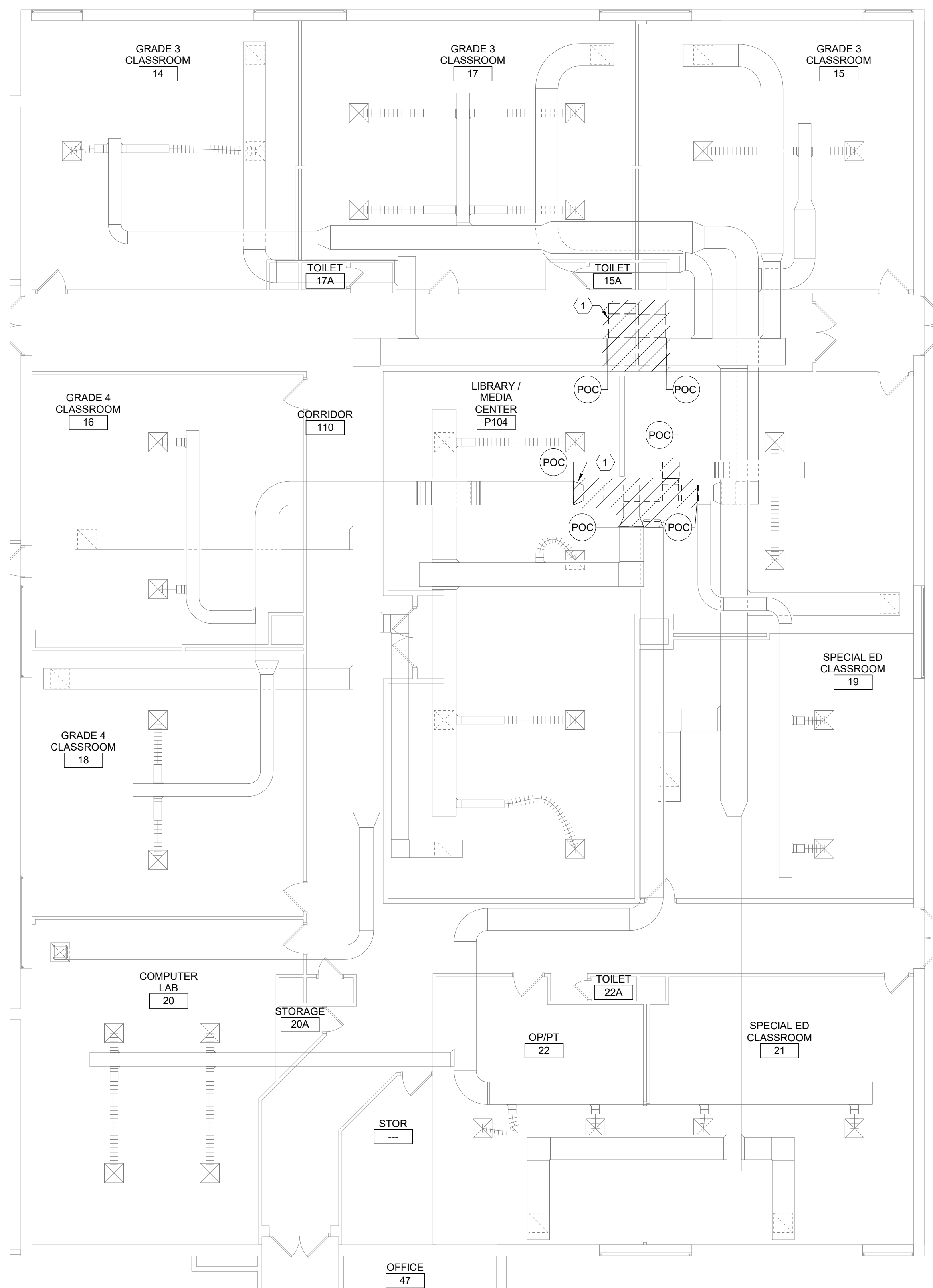
Reconstruction to:
Plattekill Elementary School

Roof Key Plan and Partial Area A Plan

Drawn By: JPF/jpgm	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001		DM052



2 Partial First Floor Plan - Area B
1/8" = 1'-0"



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

General Notes

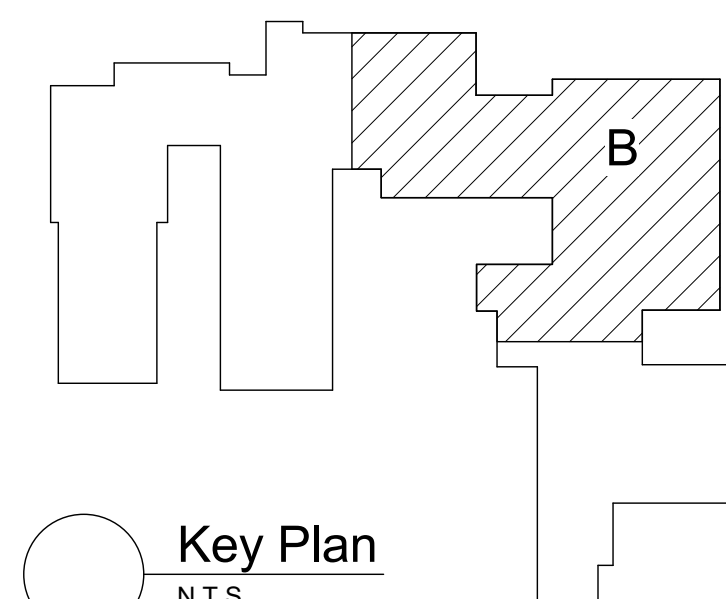
A. REFER TO DM051 FOR GENERAL NOTES.

KEYED DEMOLITION NOTES

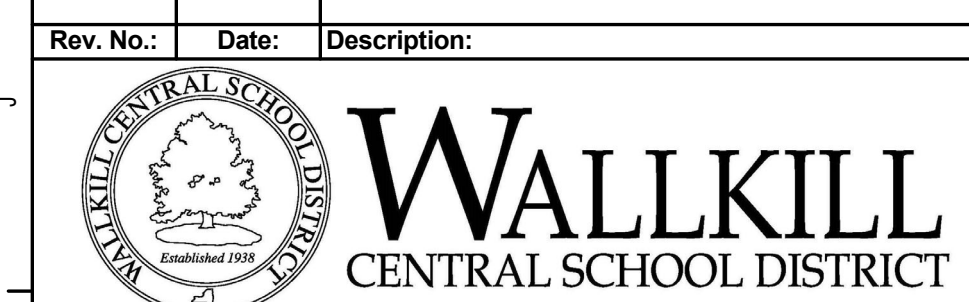
1 REMOVE DUCTWORK AND ASSOCIATED ACCESSORIES TO POC AS SHOWN. PREPARE FOR RECONNECTION.

KEYED NOTES

- 1 20x20 UP TO RTU-D-4. TYP. 5. TRANSITION AS REQUIRED TO MAKE CONNECTION TO UNIT.
- 2 40x20 UP TO RTU-D-4. TYP. 2. TRANSITION AS REQUIRED TO MAKE CONNECTION TO UNIT.



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BID SET

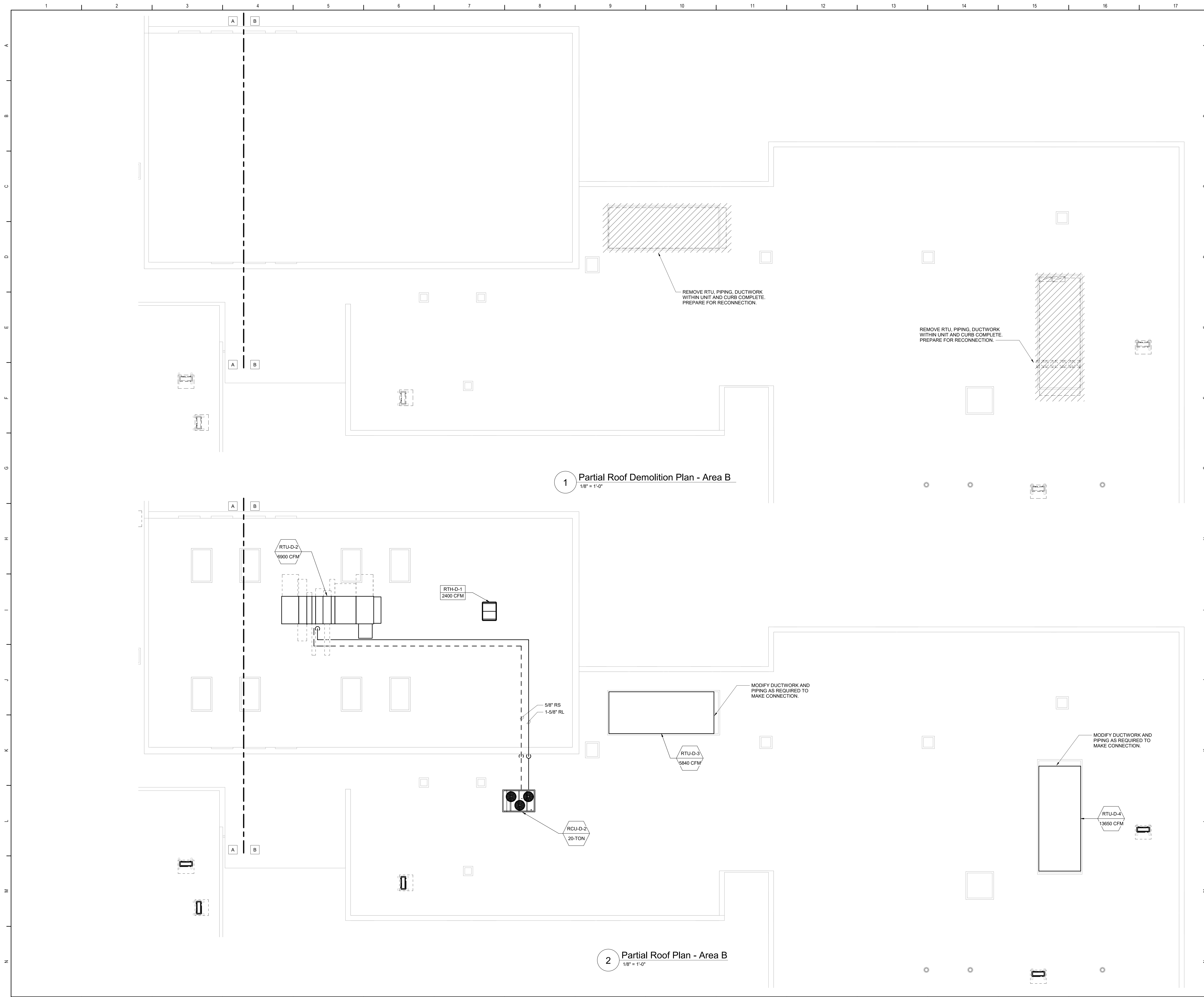


Wallkill Central School District
Wallkill, New York

Reconstruction to:
Plattekill Elementary School

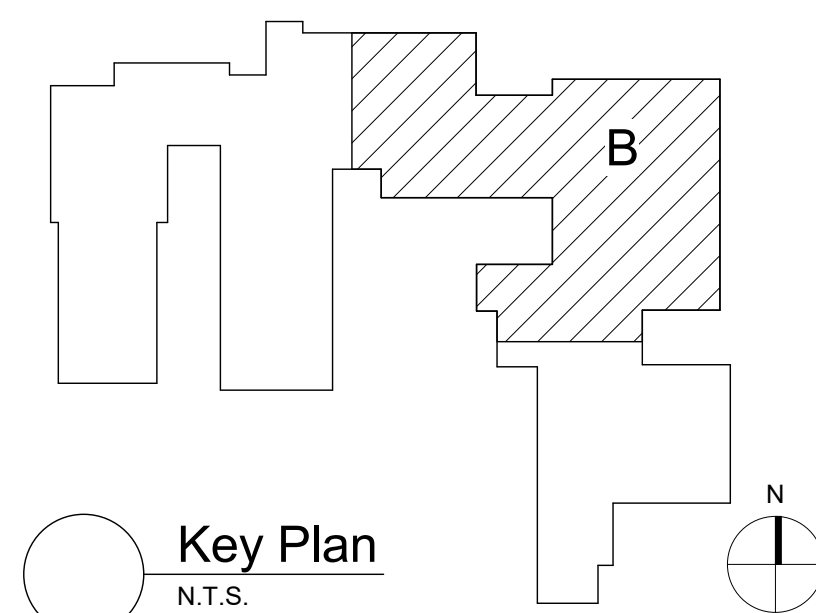
Partial First Floor Plans - Area B

Drawn By: JPF1/pgm	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001	DM102	



General Notes

A. REFER TO DM051 FOR GENERAL NOTES.



S.E.D. Control No. 62-18-01-06-0-005-015

Rev. No.:	Date:	Description:



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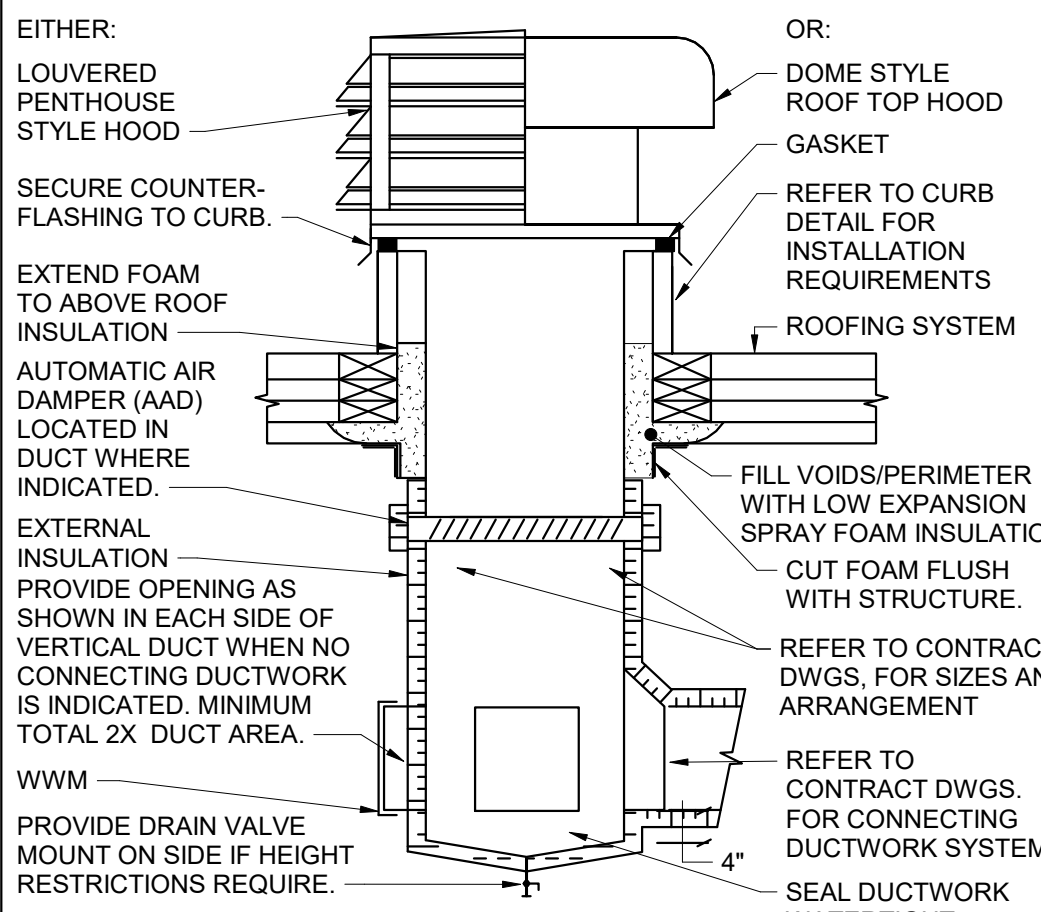


Wallkill Central School District
Wallkill, New York

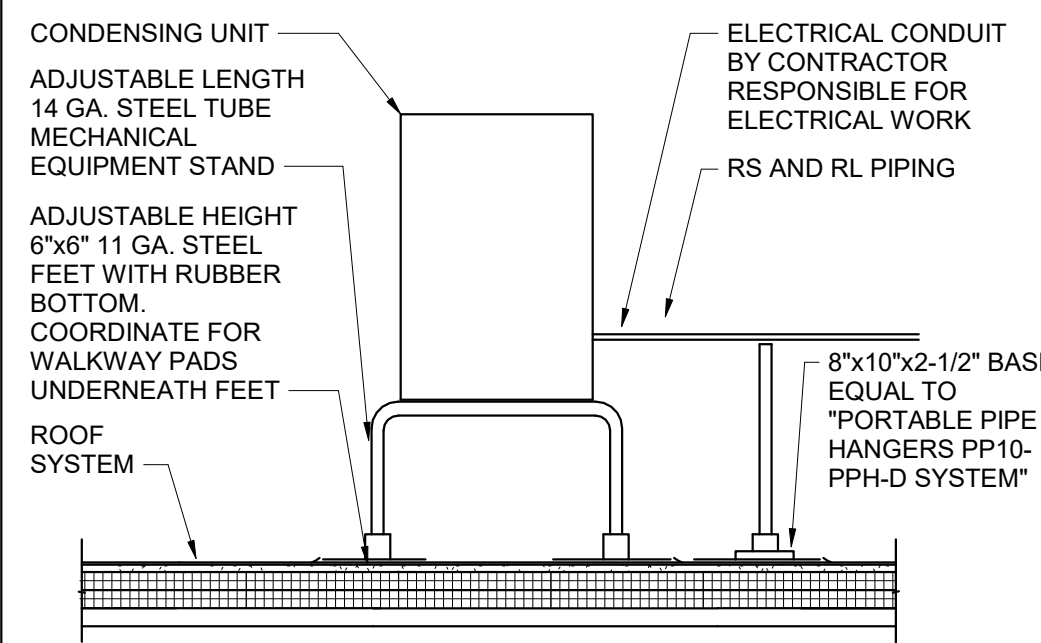
Reconstruction to:
Plattekill Elementary School

Partial Roof Plans - Area B

Drawn By: JPF1/jgm	Date: 11/4/2022	Drawing Number: DM103
Project No.: 17597-22001		



17 Roof Top Hood Detail
NTS



18 RCU Mounting Detail
NTS

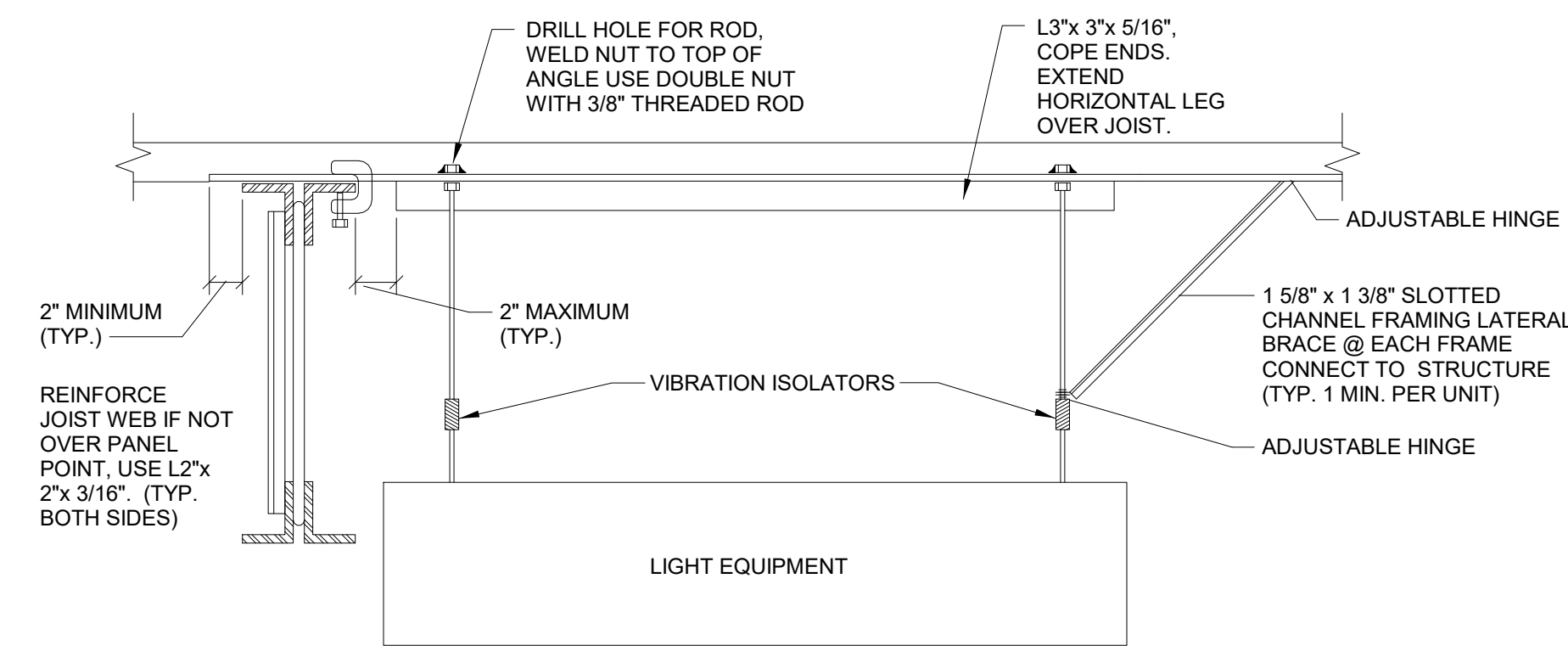
COIL CAPACITY	TRAP SIZE NPS
0-3 TON	3/4"
3-10 TON	1"
10-100 TON	1 1/4"
OVER 100	1 1/2"

NOTE:

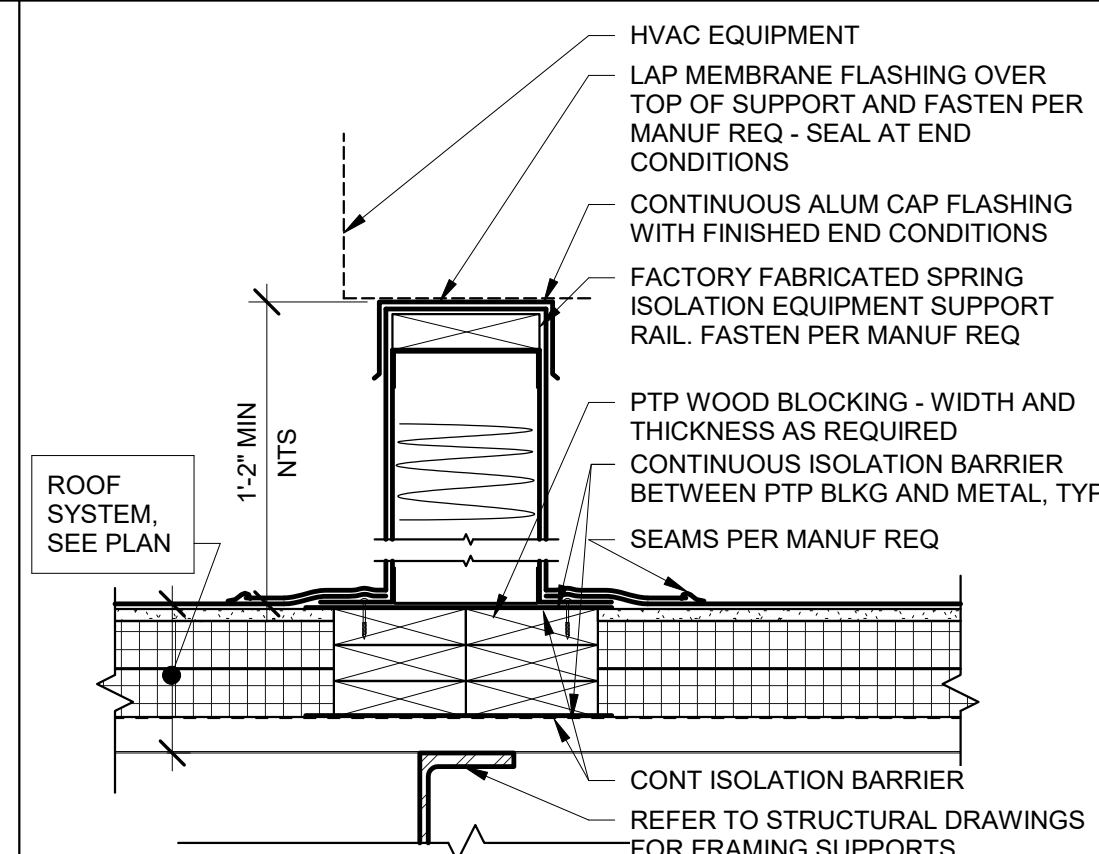
1. "X" MUST BE 1-1/2" PLUS CASING STATIC PRESSURE; MINIMUM 2"
2. "Y" MUST BE 1-1/2" MINUS CASING STATIC PRESSURE; MINIMUM 2"

EXAMPLE: CASING AT (-1") Wg.
X = 1-1/2" + (-1) = 1/2"; USE 2" MIN.
Y = 1-1/2" - (-1) = 2-1/2"

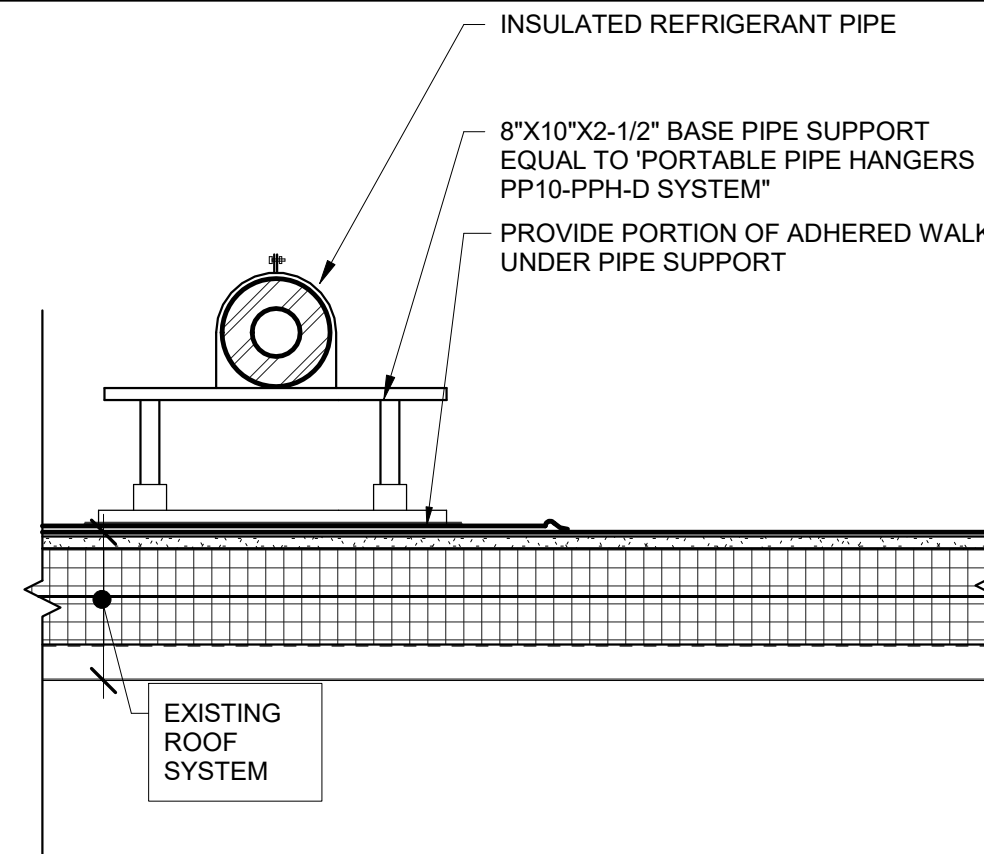
9 Drain Pan / AC Condensate Trap and Auxiliary Drain Detail
NTS



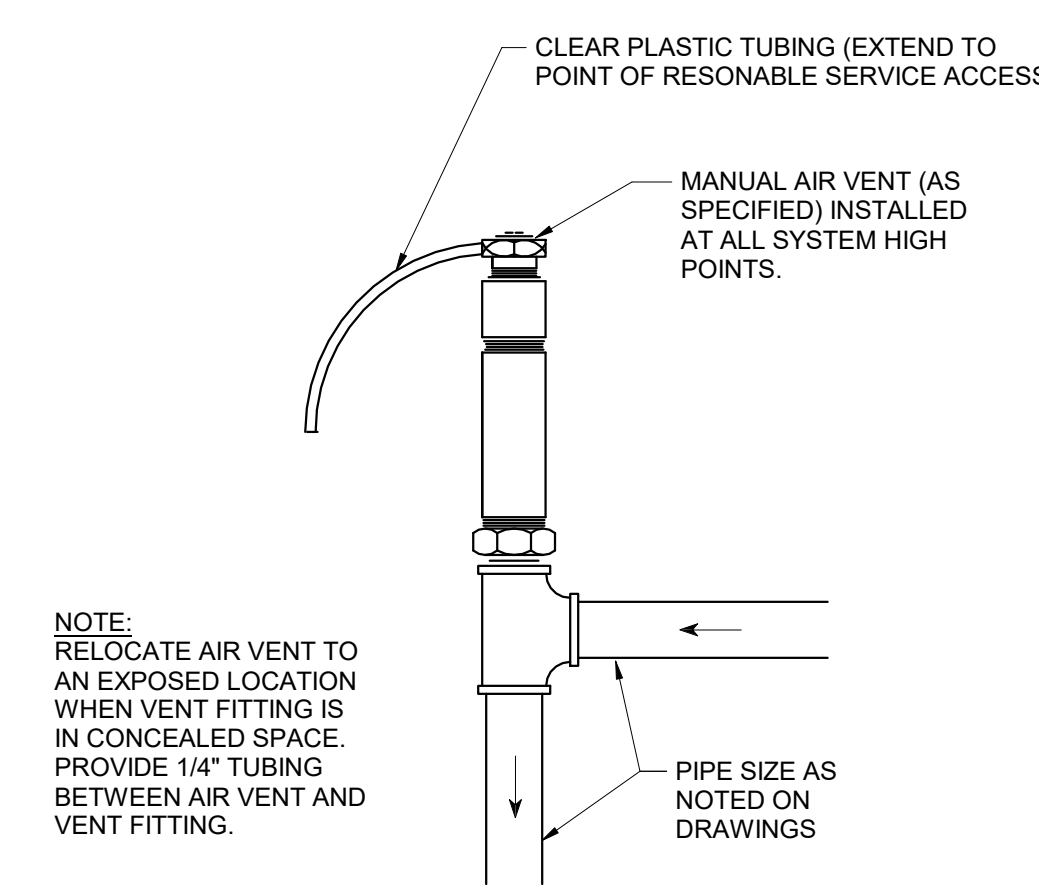
10 Light Equipment Hanging Detail
12" = 1'-0"



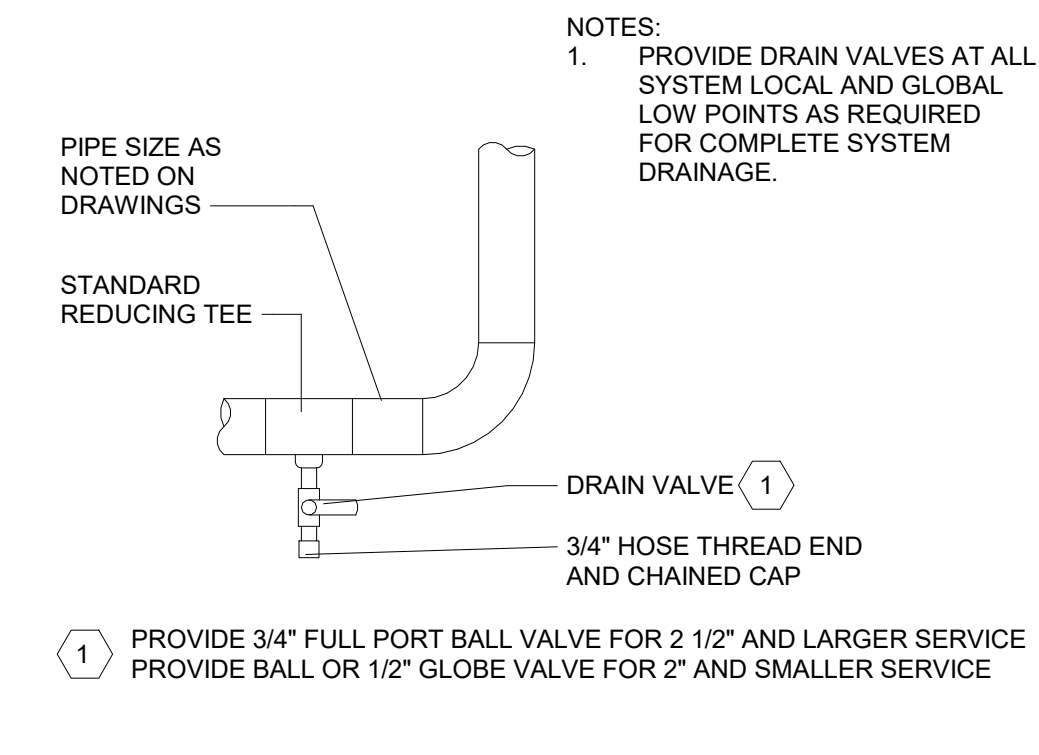
14 Equipment Support Rail Detail
NTS



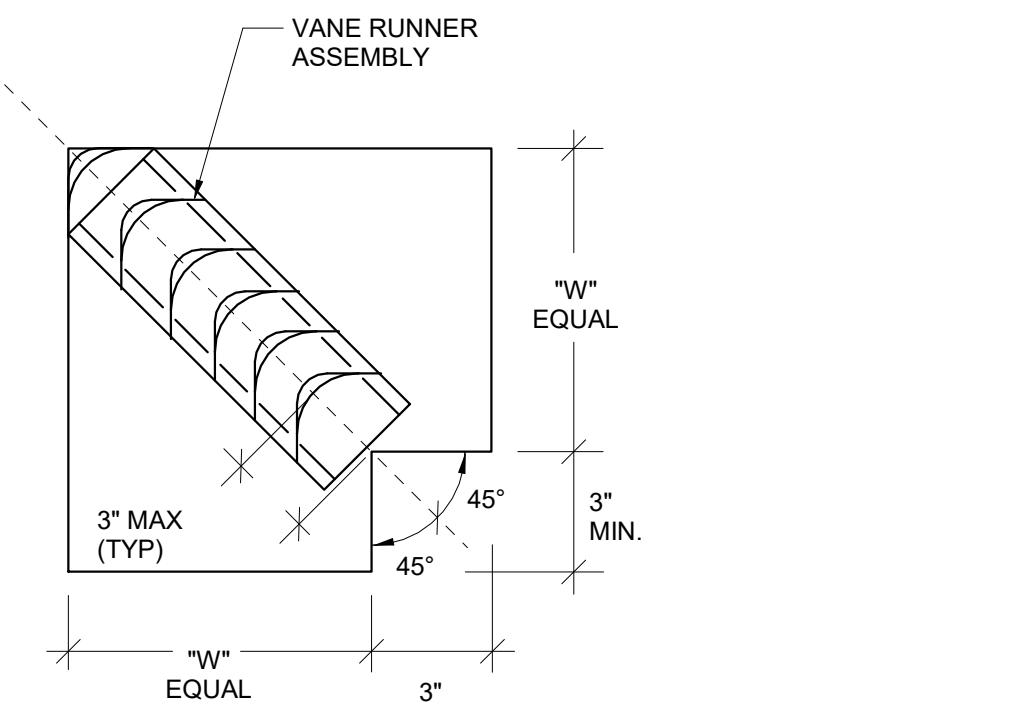
11 Pipe Support Detail
NTS



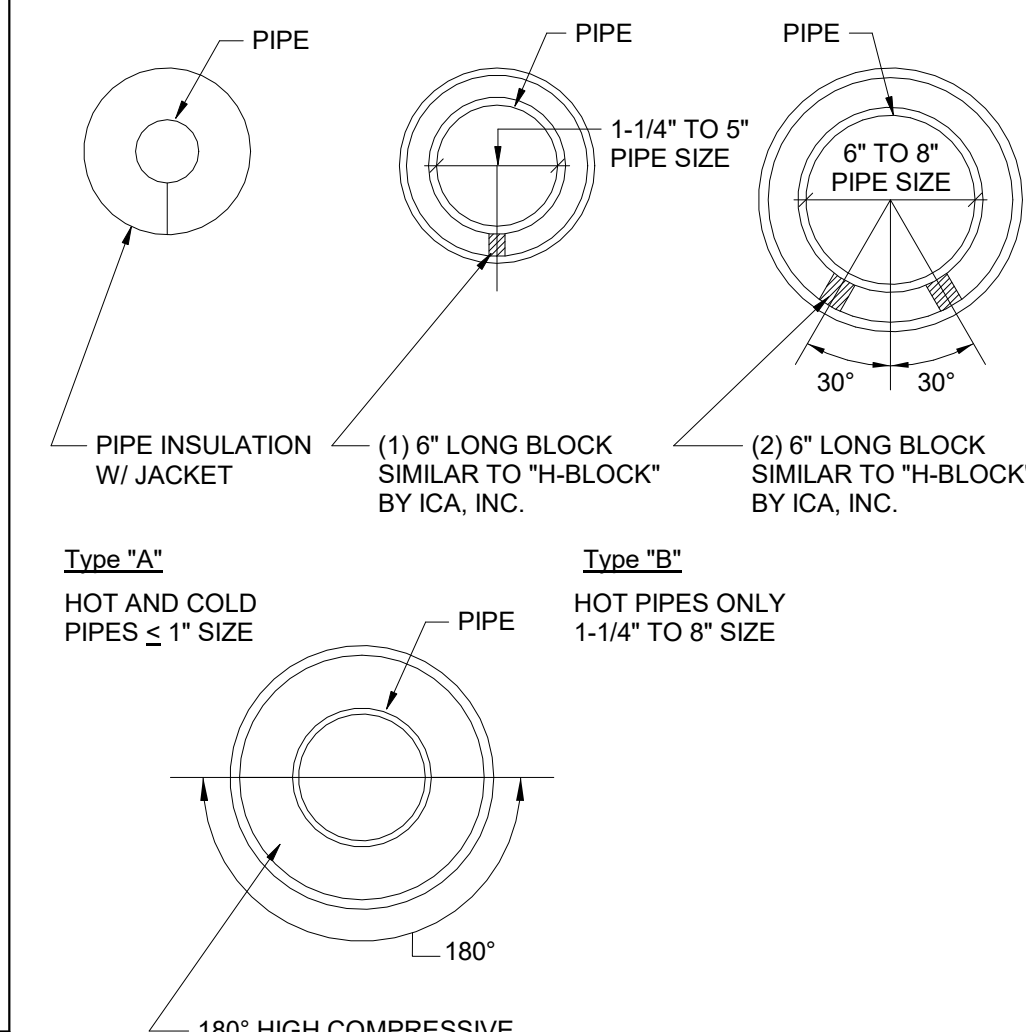
5 Manual Air Vent
NTS



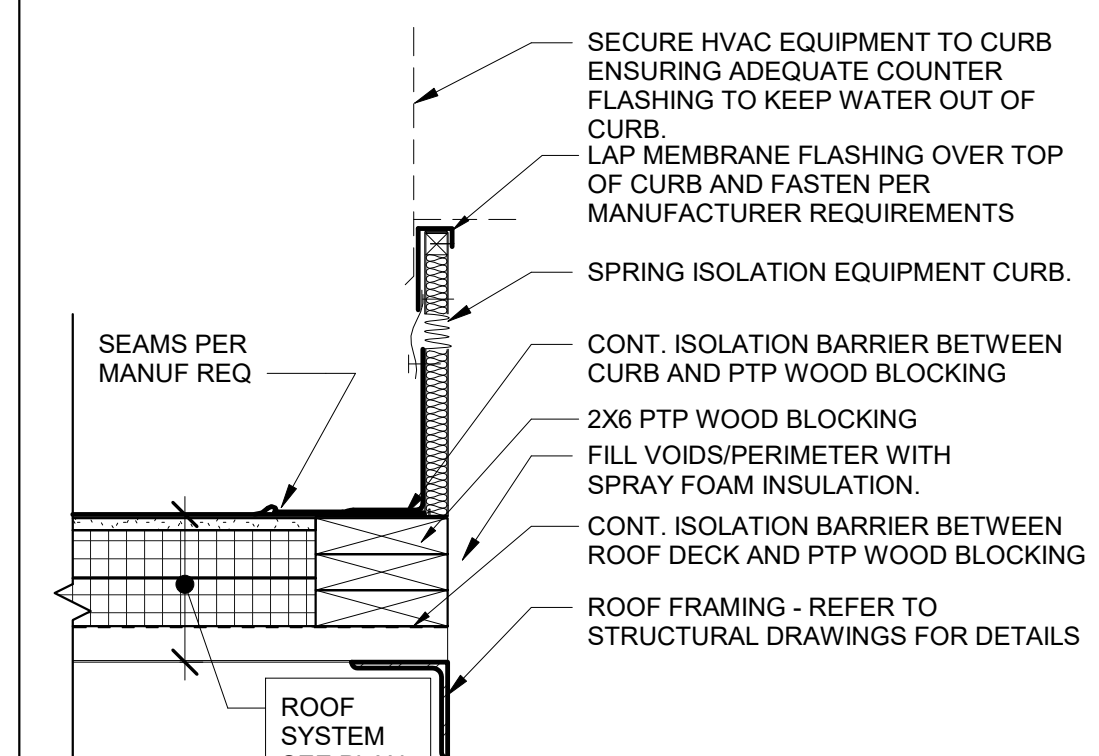
6 Low Point Drain Detail
NTS



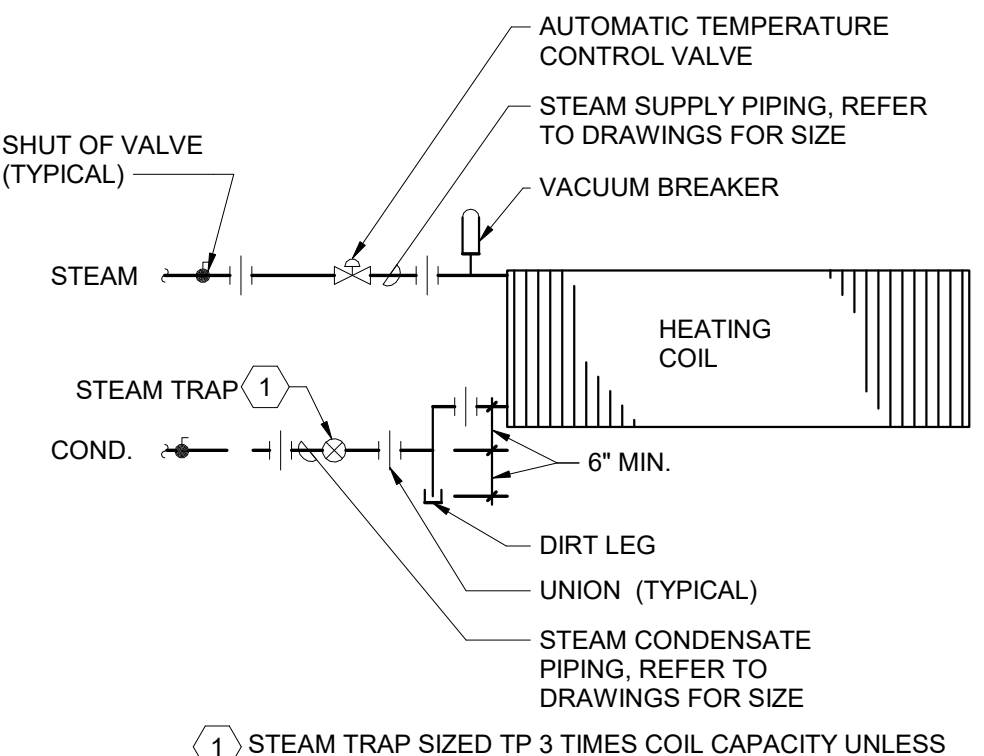
1 Duct Turning Vanes
NTS



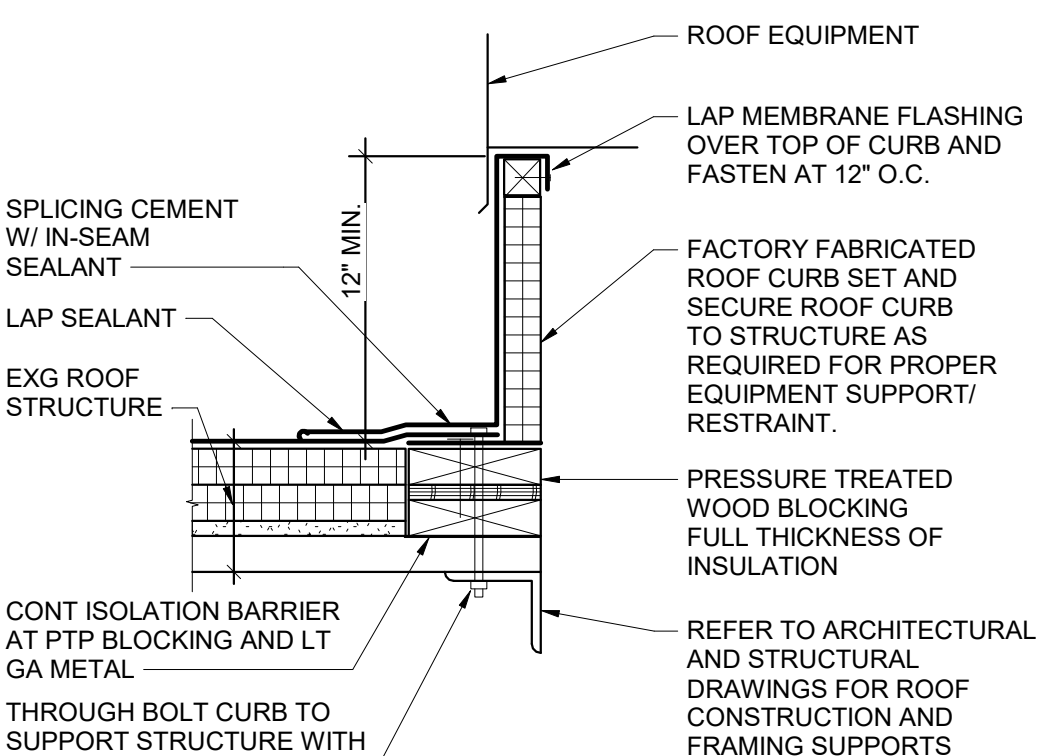
2 Insulation Shield and Blocking Detail
NTS



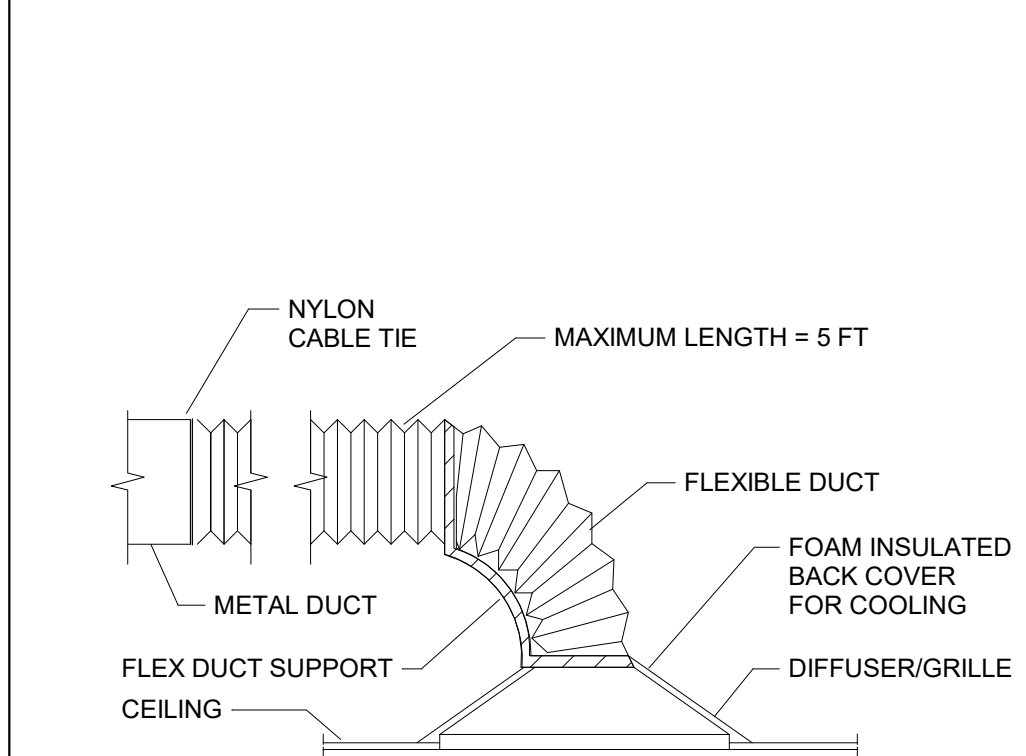
15 Equipment Curb Detail
NTS



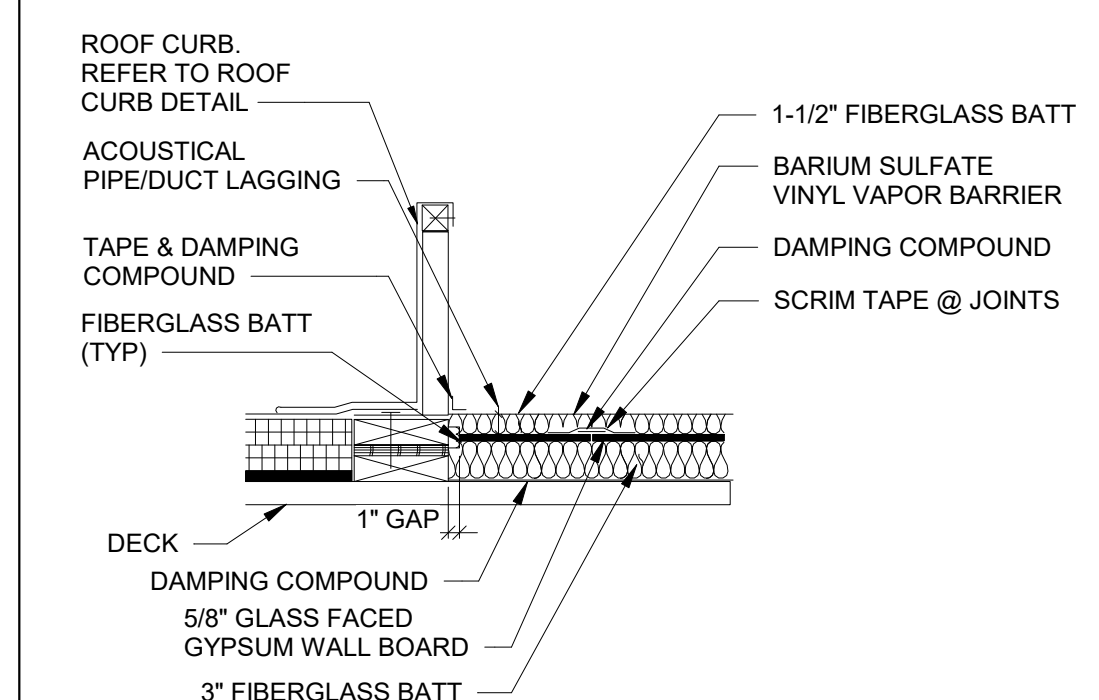
12 MUA/RTU Steam Piping Schematic
NTS



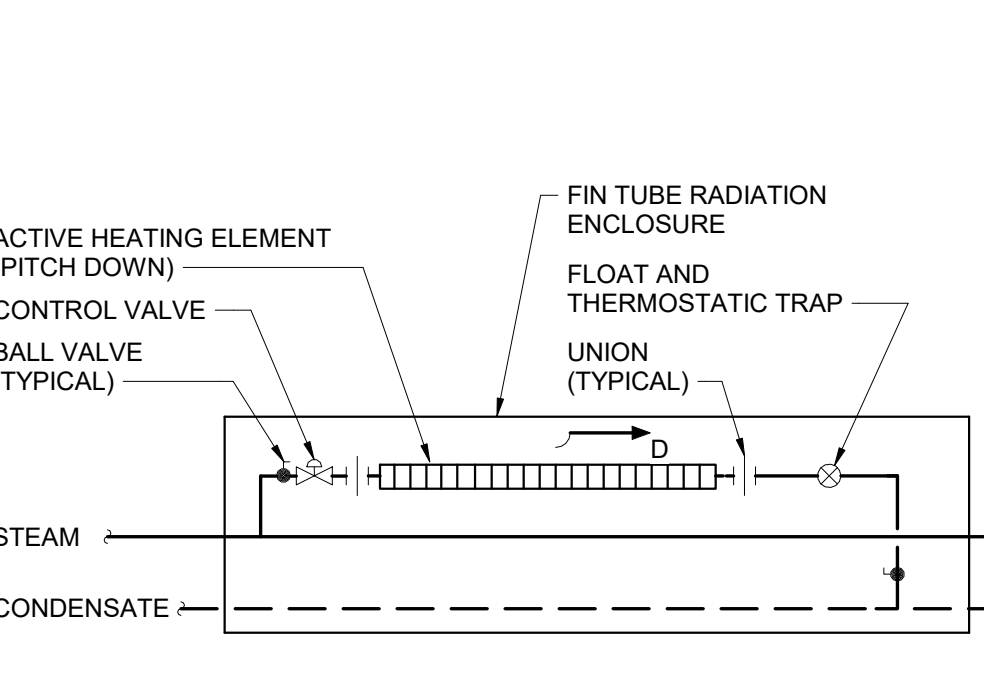
7 Roof Curb Detail
NTS



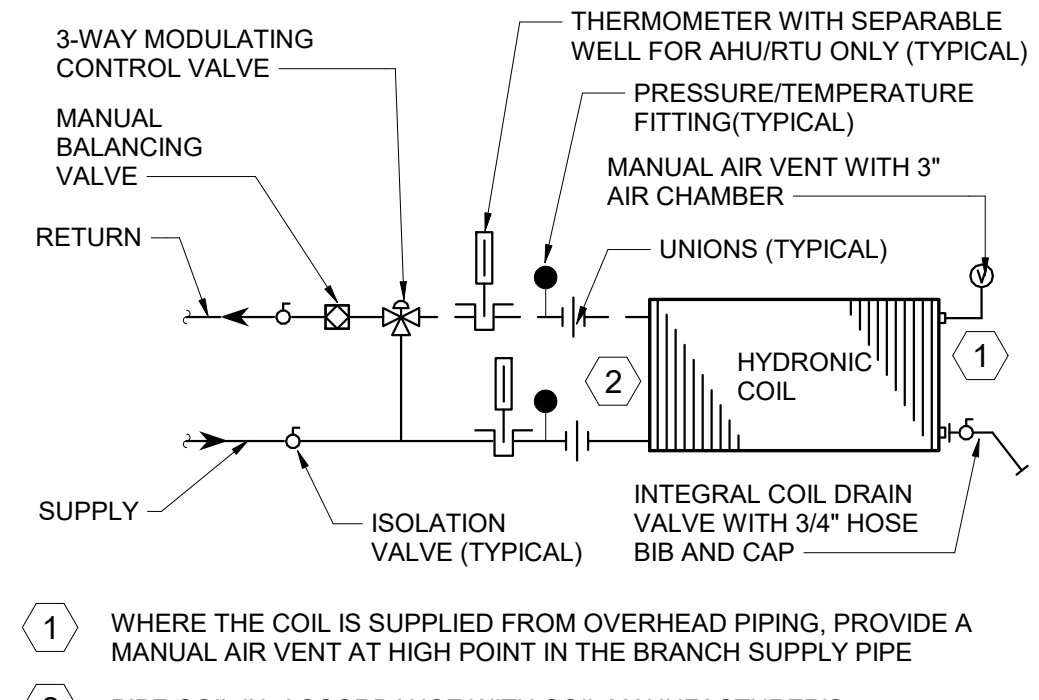
3 Ceiling Diffuser/Grille With Flex Duct
NTS



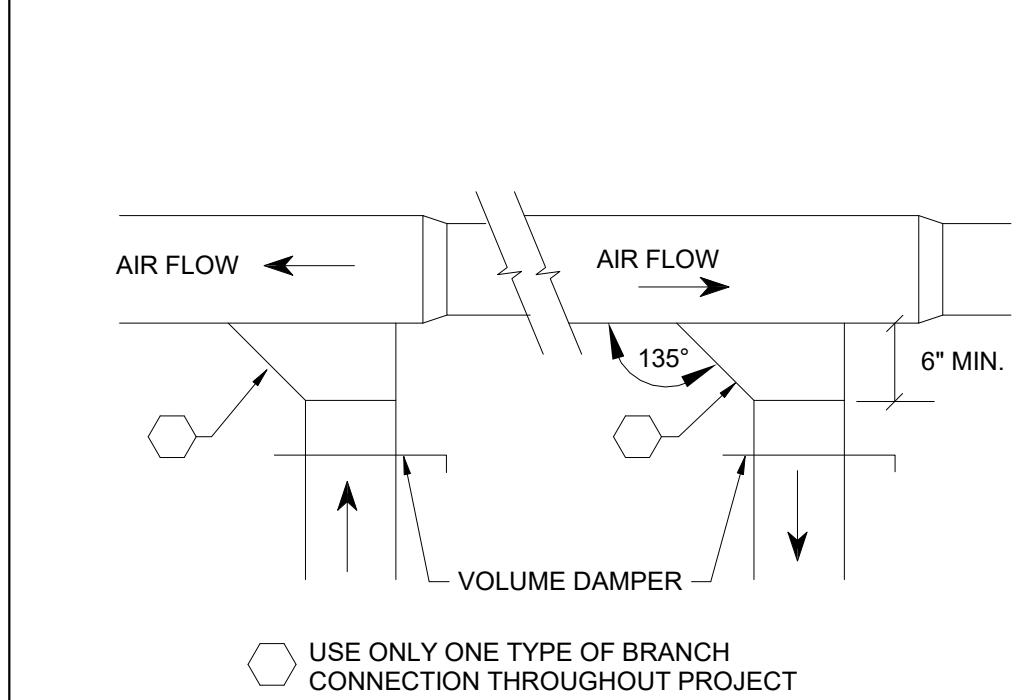
16 Acoustically Lined Roof Curb Detail
NTS



13 Steam Fin Tube Radiation Piping Schematic (Valve Control)
NTS



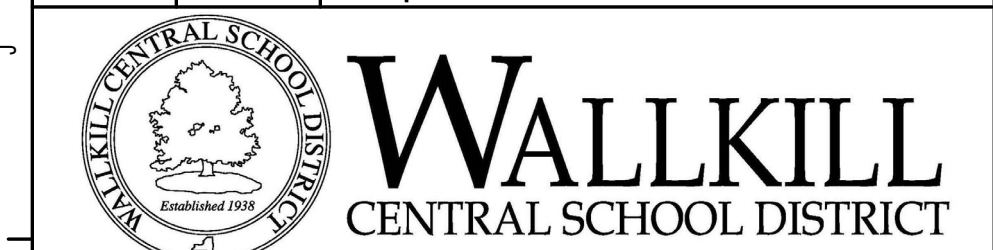
8 Hydronic Coil Piping Schematic
NTS



4 Duct Detail
NTS

S.E.D. Control No. 62-18-01-06-0-005-015

Rev. No.: Date: Description:



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Walkkill Central School District
Walkill, New York

Reconstruction to:
Plattekill Elementary School

Details

Drawn By: JPF/1/pgm Date: 11/4/2022 Drawing Number: 17597-22001
DM500

ROOFTOP UNIT (RTU) SCHEDULE																														EQUIPMENT FURNISHED BY OWNER, INSTALLED BY MECHANICAL CONTRACTOR													
DWG LABEL	LOCATION	SERVES	DESIGN MAKE/ TRANE	SUPPLY FAN							EXHAUST FAN (QTY=2)							ELECTRICAL CONNECTION							COOLING DATA							HEATING DATA											
				SUPPLY AIR (CFM)	EVENT MODE OA (CFM)	CLASSROOM OA (CFM)	FAN ARR	ESP (in-wg)	TSP (in-wg)	RPM	VFD FREQ.	HP	EXHAUST AIR (CFM)	MIN. EXHAUST (CFM)	FAN ARR	ESP (in-wg)	TSP (in-wg)	RPM	VFD FREQ.	HP	V/PH	FLA	MCA	MOCp	ROWS	EDB (°F)	EWB (°F)	LDB (°F)	LWB (°F)	CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	APD (in-wg)	ROWS	EAT (°F)	LAT (°F)	CAPACITY (MBH)	APD (in-wg)	EWT (°F)	LWT (°F)	GPM	WPD (FT HD)	OPER. WEIGHT	NOTES
RTU-D-2	ROOF - AREA B	GYM 35, STAGE 35B	CSAA017	6900	4670	1700	20" DD PLENUM	0.75	3.81	2160	74	7.5	4670	1700	16" DD PLENUM	0.50	2.76	2272	77	2	208/3	45 A	52 A	70 A	4	77.1	65.5	56.1	53.8	246	160	0.62	2	54.9	85.0	226	0.18	160.0	103.5	8	0.4	6230 lb	1-14
NOTES:																																											
1. CASKEITED ACCESS DOORS AND MODULAR SECTIONS WITH DOUBLE WALLED 2" R-13 GALVANIZED STEEL PANELS WITH THERMAL BREAK.															6. PROVIDE HIGH EFFICIENCY ENERGY WHEEL WITH RETURN AIR RECIRCULATION AND BYPASS DAMPERS.																												
2. COILS SHALL HAVE SAME SIDE CONNECTION UNLESS OTHERWISE INDICATED. PROVIDE FULL SECTION HEIGHT 24" DEEP PIPE CABINET.															7. PROVIDE INTERLACED CIRCUIT COOLING COIL.																												
3. PROVIDE UV-C LIGHT DOWNSTREAM OF COOLING COIL (TO MAINTAIN CLEAN COIL) WITH SEPARATE 120V/1PH POWER.															8. PROVIDE SPRINGER ISOLATED 14" ROOF CURB. PROVIDE ACOUSTICALLY LINED ROOF CURB PER DETAIL.																												
4. PROVIDE 2" MERV9 PRE-FILTER PRIOR TO ENERGY WHEEL, (BOTH DIRECTIONS) AND MERV15 FILTERS BEFORE COILS.															9. PROVIDE EXTERIOR TOGGLE SWITCH AND DOOR LIMIT SWITCH FOR UV-C LIGHT.																												
5. PROVIDE 120V/1PH (FLA=8A) GFI SERVICE OUTLET FOR SEPARATE POWER.															10. PROVIDE H-O-A SWITCH AND STARTER FOR ENERGY WHEEL.																												
															11. PROVIDE 22" ELECTRICAL/CONTROLS SECTION FOR FAN VFDs.																												
															12. PROVIDE SINGLE POINT POWER CONNECTION FOR FAN VFDs AND ENERGY WHEEL.																												
															13. PROVIDE EXTERIOR-INSTALLED SUPPLY AND EXHAUST FAN VFDs.																												
															14. PROVIDE NEMA 3R UNIT DISCONNECT SWITCH.																												

NOTES:
1. GASKETED ACCESS DOORS AND MODULAR SECTIONS WITH DOUBLE WALLED 2" R-13 GALVANIZED STEEL PANELS WITH THERMAL BREAK.
2. COILS SHALL HAVE SAME SIDE CONNECTION UNLESS OTHERWISE INDICATED. PROVIDE FULL SECTION HEIGHT 24" DEEP PIPE CABINET.
3. PROVIDE UV-C LIGHT DOWNSTREAM OF COOLING COIL (TO MAINTAIN CLEAN COIL) WITH SEPARATE 120V/1PH POWER (FLA=1.5A).
4. PROVIDE 2" MERV8 PRE-FILTER PRIOR TO ENERGY WHEEL (BOTH DIRECTIONS) AND MERV13 FILTERS BEFORE COILS.
5. PROVIDE 120V/1PH (FLA=8A) GFI SERVICE OUTLET FOR SEPARATE POWER.
6. PROVIDE HIGH EFFICIENCY ENERGY WHEEL WITH RETURN AIR RECIRCULATION AND BYPASS DAMPERS.
A. VENTILATION: 4700 CFM, PD: 0.6 in-wg
a. SUMMER= EDB:84.2°F, EWB:75.0°F, LDB: 77.3°F, LWB: 68.1°F, 70.8% TOTAL EFFECTIVENESS
b. WINTER= EDB:7.0°F, EWB:3.0°F, LDB: 49.2°F, LWB: 35.7°F, 73.3% TOTAL EFFECTIVENESS
B. EXHAUST: 4700 CFM, ENTERING SUMMER: 75.0°F/65.0°F, ENTERING WINTER: 65.0°F/45.0°F, PD: 0.6 in-wg

7. PROVIDE INTERLACED CIRCUIT COOLING COIL.
8. PROVIDE SPRING ISOLATED 14" ROOF CURB. PROVIDE ACOUSTICALLY LINED ROOF CURB PER DETAIL.
9. PROVIDE EXTERIOR TOGGLE SWITCH AND DOOR LIMIT SWITCH FOR UV-C LIGHT.
10. PROVIDE H-O-A SWITCH AND STARTER FOR ENERGY WHEEL.
11. PROVIDE 22" ELECTRICAL/CONTROLS SECTION FOR FAN VFDs.
12. PROVIDE SINGLE POINT POWER CONNECTION FOR FAN VFDs AND ENERGY WHEEL.
13. PROVIDE FACTORY-INSTALLED SUPPLY AND EXHAUST FAN VFDs.
14. PROVIDE NEMA 3R UNIT DISCONNECT SWITCH.

REMOTE CONDENSING UNIT (RCU) SCHEDULE

REMOTE CONDENSING UNIT (RCU) SCHEDULE															EQUIPMENT FURNISHED BY OWNER, INSTALLED BY MECHANICAL CONTRACTOR				
DWG LABEL	LOCATION	SERVES	DESIGN MAKE/ TRANE	NOMINAL CAPACITY	COOLING CAPACITY (MBH)	R410A TEMPERATURES		AMBIENT TEMPERATURE	EER	NO. OF COMP/ CAPACITY	NO. OF CIRCUITS	ELECTRICAL DATA - 208V/3PH				OPER. WEIGHT	NOTES		
						LIQUID	SUCTION					MCA	MOP	RLA - COMP	NO. COMP.				
RCU-D-2	ROOF - AREA B	RTU-D-2	RAU	20 Tons	246	120.5 °F		40.0 °F	95.0	11.7	(2) 10-TON	1	102 A	125 A	41 A	2	1872	1-4	

NOTES:

1. FIELD CHARGE REFRIGERANT FOR SUPPLY LINE. CONDENSER AND COILS. PROVIDE EQUIPMENT STARTER AND NEMA 3R DISCONNECT.

2. VERIFY LINE SIZES WITH MANUFACTURER. PROVIDE 14" SPRING ISOLATION SUPPORT RAILS.

NOTES:
1. FIELD CHARGE REFRIGERANT FOR SUPPLY LINE, CONDENSER AND COILS.
2. PROVIDE EQUIPMENT STARTER AND NEMA 3R DISCONNECT.
3. VERIFY LINE SIZES WITH MANUFACTURER.
4. PROVIDE 14" SPRING ISOLATION SUPPORT RAILS.

MAKE-UP AIR (MUA) UNIT SCHEDULE

MAKE-UP AIR (MUA) UNIT SCHEDULE															EQUIPMENT FURNISHED BY OWNER, INSTALLED BY MECHANICAL CONTRACTOR				
DWG LABEL	LOCATION	SERVES	DESIGN MAKE: TRANE MODEL:	SUPPLY FAN		ELECTRICAL DATA			HEATING DATA					STEAM PRESS.	OPERATING WEIGHT (LB)	NOTES			
				AIRFLOW	ESP (in wg)	RPM	HP	VOLT/PH	FLA	MCA	MOP	EAT	LAT	CAPACITY (MBH)					
MUA-D-1	ROOF - AREA A	KITCHEN 34	CSAA008	3300	0.5	2056	3	208/3	15 A	19 A	30 A	8.7	75.0	237	3 psi	2180			
NOTES:																			
1.	PROVIDE 120V GFI SERVICE OUTLET.			3.		PROVIDE UNIT DISCONNECT, FACTORY INSTALLED VFD AND TEFC MOTOR.													
2.	PROVIDE 24" ROOF CURB.																		

NOTES:
1. PROVIDE 120V GFCI SERVICE OUTLET.
2. PROVIDE 24" ROOF CURB.
3. PROVIDE UNIT DISCONNECT, FACTORY INSTALLED VFD AND TEFC MOTOR.

PACKAGED ROOFTOP UNIT (RTU) SCHEDULE

EQUIPMENT FURNISHED BY OWNER, INSTALLED BY MECHANICAL CONTRACTOR																									EQUIPMENT FURNISHED BY OWNER, INSTALLED BY MECHANICAL CONTRACTOR		
DWG LABEL	LOCATION	SERVES	DESIGN MAKE/ VALENT	SUPPLY FAN					HEATING DATA					COOLING DATA					ELECTRICAL DATA					OPER. WEIGHT		NOTES	
				SUPPLY (CFM)	MIN. OA (CFM)	ESP (in-wg)	BHP	HP	EAT (°F)	LAT (°F)	PRESSURE	CAP (MBH)	EDB (°F)	EWB (°F)	LDB (°F)	LWB (°F)	TC (°F)	SC (°F)	HOT GAS REHEAT (°F)	COMPRESSOR	EER	VOLT	PH	MCA	MOP	OPER. WEIGHT (LB)	NOTES
RTU-D-1	ROOF - AREA A	CAFETERIA C1	VX-212-151-2-A0	4000	2600	0.5	1.5	3.0	28.4	86.0	3.0 psi	249.3	83.5	70.1	55.1	54.8	199.0	125.0	77.7 °F	INVERTER SCROLL	11.2	208 V	3	65 A	80 A	3335	1-7

NOTES:
1. GASKETED ACCESS DOORS AND MODULAR SECTIONS WITH DOUBLE WALLED 2" R-13 GALVANIZED STEEL PANELS WITH THERMAL BREAK.
2. COILS SHALL HAVE SAME SIDE CONNECTION UNLESS OTHERWISE INDICATED. PROVIDE FULL SECTION HEIGHT 24" DEEP PIPE CABINET.
3. PROVIDE SINGLE POINT CONNECTION AND NEMA-3R H-O-A NON-FUSED DISCONNECT SWITCH.
4. PROVIDE 2" MERV8 PRE-FILTER AND MERV13 FINAL FILTERS BEFORE COILS.
5. PROVIDE SPRING ISOLATED 14" ROOF CURB. PROVIDE ACOUSTICALLY LINED ROOF CURB PER DETAIL.
6. PROVIDE 120V/1PH (FLA=8A) GFI SERVICE OUTLET FOR SEPARATE POWER.
7. PROVIDE 22" ELECTRICAL/CONTROLS SECTION FOR SUPPLY FAN VFD.

MULTIZONE ROOFTOP UNIT (RTU) SCHEDULE

MULTIZONE ROOFTOP UNIT (RTU) SCHEDULE																																			EQUIPMENT FURNISHED BY OWNER, INSTALLED BY MECHANICAL CONTRACTOR								
DWG LABEL	UNIT LOCATION	SERVES	DESIGN MAKE:	SUPPLY FAN								RETURN FAN								ELECTRICAL DATA					WEIGHT (LBS)	OA ENERGY RECOVERY DATA WINTER				RA ENERGY RECOVERY DATA WINTER				ENERGY RECOVERY EFFICIENCY WINTER	HEATING DATA				HOT WATER COIL				NOTES
				FAN ARR.	SA (CFM)	MIN. OA (CFM)	DISCH. ARR.	ESP (IN WG)	RPM	BHP	HP	FAN ARR.	RA (CFM)	ESP (IN WC)	RPM	BHP	HP	V/PH	MCA	MOP	OA (CFM)	EDB (°F)	EWB (°F)	LDB (°F)		LWB (°F)	OA (CFM)	EDB (°F)	EWB (°F)	LDB (°F)	LWB (°F)	NO. ROWS	EAT (°F)		LAT (°F)	MBH	APD (IN WG)	EWT (°F)	LWT (°F)	GPM	WPD (FT HD)		
RTU-D-3	ROOF - AREA B	AREA B - 37, 38, 42, 111A, V1-3, P106	SEASONS 4	24" AF SWSI PLENUM	5840	1690	MULTI-ZONE	0.75	1814	5.6	7.5	20" AF SWSI PLENUM	5840	0.75	1761	3.3	5	208/3	53	70	7050	1690	7.0	3.0	37.5	30.5	1690	68.0	51.5	37.5	31.7	48.6	2	48.7	81.4	206.4	0.34	160.0	95.2	6.5	2.2	1-7,9-12	
RTU-D-4	ROOF - AREA B	AREA B - P104, 14-22	SEASONS 4	27" AF SWSI PLENUM	13650	5300	MULTI-ZONE	0.75	1804	14.7	20.0	27" AF SWSI PLENUM	13650	0.75	1433	8.1	10	208/3	108	160	9650	5300	7.0	3.0	27.4	22.6	5300	68.0	51.5	47.6	38.9	32.6	3	43.1	83.0	588.4	0.56	160.0	74.2	14	4.0	1-8,10-12	
NOTES:																																											
1. GASKETED ACCESS DOORS AND MODULAR SECTIONS WITH DOUBLE WALLED 2" R-13 GALVANIZED STEEL PANELS WITH THERMAL BREAK.																																											
2. PROVIDE ELECTRICAL CONTROLS SECTION FOR UNIT DISCONNECT SWITCH, WHEEL, H-4-0A SWITCH, RETURN FAN AND RETURN FAN VFD.																																											
3. PROVIDE 2" MERV9 PRE-FILTER PRIOR TO ENERGY WHEEL (BOTH DIRECTIONS) AND MERV14 FILTERS BEFORE SUPPLY FAN. ALL FILTER FACE VELOCITIES <300 FPM.																																											
4. COILS SHALL HAVE SAME SIZE CONNECTION UNLESS OTHERWISE INDICATED.																																											
5. PROVIDE SINGLE POINT CONNECTION AND NEW 4" DISCONNECT SWITCH.																																											
6. FIELD VERIFY AND MATCH EXISTING ROOF CURB OUTER DIMENSIONS - (10'-2" W x 25'-4" L).																																											
7. PROVIDE 120V/1PH (FLA=8) GFI SERVICE OUTLET ON LINE SIDE OF DISCONNECT.																																											
8. PROVIDE THREE-DECK MODULAR SECTION FOR FIVE ZONES.																																											
9. PROVIDE THIRDECK MODULAR SECTION FOR FOUR ZONES.																																											
10. PROVIDE SPACE FOR FUTURE COILING COIL.																																											
11. REMOVE EXISTING CURB AND RAIL PER DETAIL.																																											
12. PROVIDE FACTORY-INSTALLED ACTUATORS FOR MULTIZONE DAMPERS.																																											

NOTES:
1. GASKETED ACCESS DOORS AND MODULAR SECTIONS WITH DOUBLE WALLED 2" R-13 GALVANIZED STEEL PANELS WITH THERMAL BREAK.
2. PROVIDE ELECTRICAL/CONTROLS SECTION FOR UNIT DISCONNECT SWITCH, WHEEL H-O-A SWITCH, CONTROLS AND SUPPLY AND RETURN FAN VFD.
3. PROVIDE 2" MERV9 PRE-FILTER PRIOR TO ENERGY WHEEL (BOTH DIRECTIONS) AND MERV14 FILTERS BEFORE SUPPLY FAN. ALL FILTER FACE VELOCITIES <300 FPM.
4. COILS SHALL HAVE SAME SIDE CONNECTION UNLESS OTHERWISE INDICATED.
5. PROVIDE SINGLE POINT CONNECTION AND NEMA-4 DISCONNECT SWITCH.
6. FIELD VERIFY AND MATCH EXISTING ROOF CURB OUTER DIMENSIONS (~10'-2" W x 25'-6" L).

ROOFTOP HOOD (RTH) SCHEDULE

DWG LABEL	SERVES	MODEL NO.	TYPE	CFM	VENT SIZE (IN x IN)	HOOD SIZE (IN x IN)	HOOD HEIGHT (IN)	CURB HEIGHT (IN)	FREE AREA (S.F.)	VELOCITY (FPM)	SP (IN WG)	HOOD FINISH	NOTES
RTH-D-1	GYM 35	24x24GR	RELIEF	2400	24x24	51x39	17.25	14	4.00	600	0.07	KYNAR	1, 2, 3
RTH-D-2	CAFETERIA C1	24x24GR	RELIEF	2000	24x24	51x39	17.25	14	4.00	500	0.04	KYNAR	1, 2, 3
RTH-D-3	CAFETERIA C1	24x24GR	RELIEF	2000	24x24	51x39	17.25	14	4.00	500	0.04	KYNAR	1, 2, 3

NOTES:
1. DESIGN BASIS: LOREN COOK
2. PROVIDE 14" CURB FOR RELIEF.
3. PROVIDE MOTORIZED AUTOMATIC AIR DAMPER (AAD) AND ACTUATOR BELOW ROOF STRUCTURE.

PLATTEKILL BUILDING/EQUIPMENT VENTILATION CALCULATIONS

EQUIPMENT NUMBER	ZONE ID			MINIMUM VENTILATION RATES									
	ROOM NUMBER	ROOM NAME	OCCUPANCY CLASSIFICATION	Az - AREA (SF)	Pz - ZONE OCCU. #/1000 FT	ZONE OCCU.	Rp (CFM/Person)	RpD	Ra (CFM/SF)	RaA	Vbz (CFM)	EZ	Voz (CFM)
RTU-D-1	7	CAFETERIA	Cafeteria/fast-food dining	2221	100	223	7.5	1673	0.18	400	2072	0.8	2590

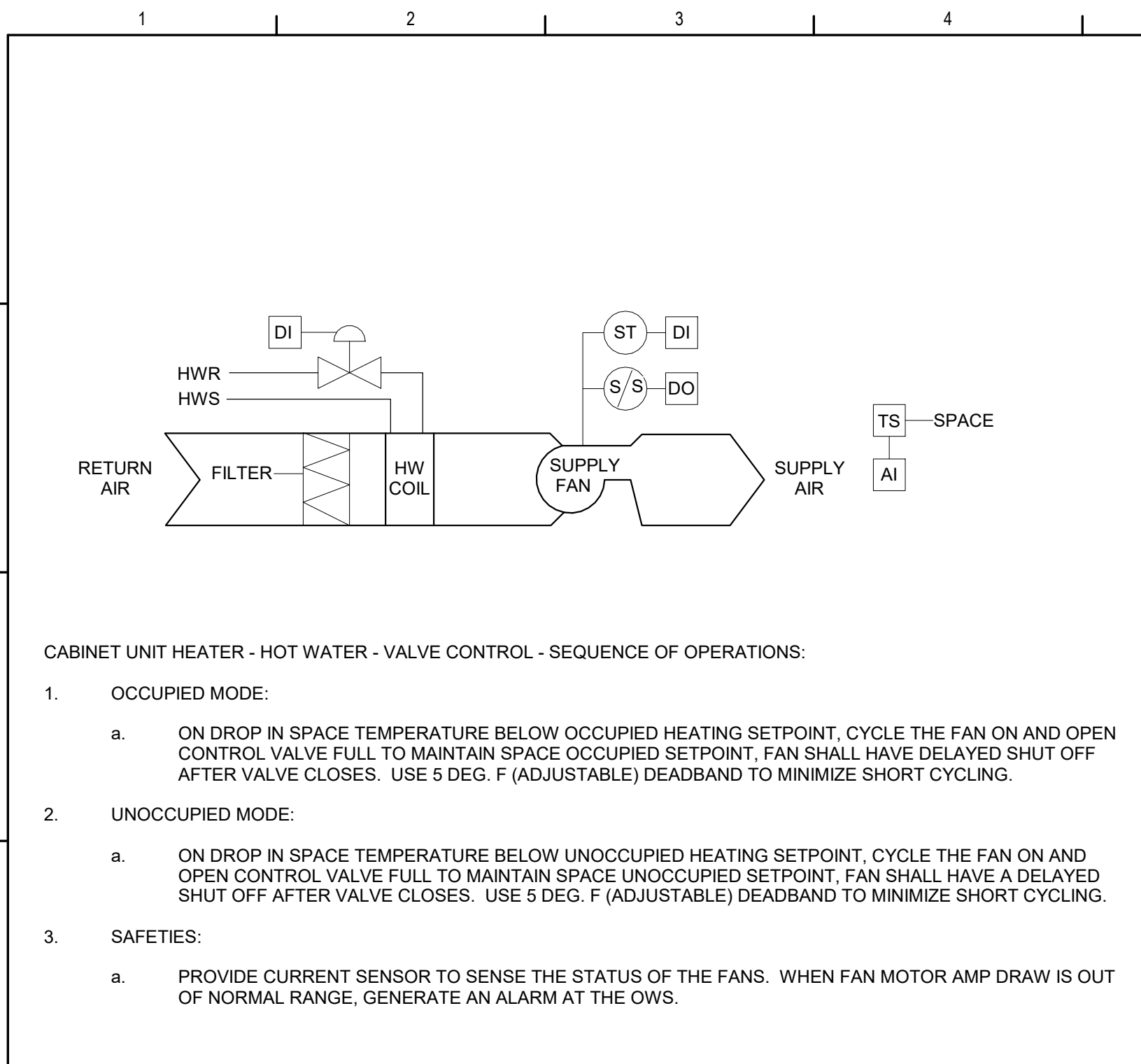
NOTES:
Rp = PEOPLE OUTDOOR AIR RATE, Ra = AREA OUTDOOR AIR RATE, Vbz = BREATHING ZONE OUTDOOR AIRFLOW, Ez = AIR DISTRIBUTION CONFIGURATION, Voz = ZONE OUTDOOR AIRFLOW
20% Voz = 20% OF THE ZONE OUTDOOR AIRFLOW
DCV Voz = GREATER OF RaA/EZ OR 20% Voz

PLATTEKILL BUILDING/EQUIPMENT VENTILATION CALCULATIONS

PLATTEKILL BUILDING/EQUIPMENT VENTILATION CALCULATIONS															
EQUIPMENT NUMBER	ZONE ID				MINIMUM VENTILATION RATES									DESIGN	
	ROOM NUMBER	ROOM NAME	OCCUPANCY CLASSIFICATION	Az - AREA (SF)	Pz - ZONE OCCU. #/1000 FT	ZONE OCCU.	Rp (CFM/ Person)	RpP	Ra (CFM/SF)	RaA	Vbz (CFM)	EZ	Voz (CFM)	Vpz (CFM)	Zp
RTU-D-4	14	GRADE 3 CLRM	Classrooms (age 9 plus)	767	35	27	10	270	0.12	92	362	0.8	460	1100	0.42
	17	GRADE 3 CLRM	Classrooms (age 9 plus)	911	35	32	10	320	0.12	109	429	0.8	540	1250	0.43
	15	GRADE 3 CLRM	Classrooms (age 9 plus)	792	35	28	10	280	0.12	95	375	0.8	470	1100	0.43
	P104	LIBRARY/MEDIA	Media center	2138	25	54	10	540	0.12	257	797	0.8	1000	3200	0.31
	19	SP. ED CLRM	Classrooms (age 9 plus)	778	35	28	10	280	0.12	93	373	0.8	470	1250	0.38
	16	GRADE 4 CLRM	Classrooms (age 9 plus)	790	35	28	10	280	0.12	95	375	0.8	470	1250	0.38
	18	GRADE 4 CLRM	Classrooms (age 9 plus)	780	35	28	10	280	0.12	94	374	0.8	470	1250	0.38
	20	COMPUTER LAB	Classrooms (age 9 plus)	852	35	30	10	300	0.12	102	402	0.8	510	1280	0.40
	21	SP. ED CLRM	Classrooms (age 9 plus)	773	35	28	10	280	0.12	93	373	0.8	470	1100	0.43
	22	O/P/T	Office space	579	5	3	5	15	0.06	35	50	0.8	70	870	0.08
RTU-D-3	111A	SECURITY OFFICE	Office space	100	5	1	5	5	0.06	6	11	0.8	20	150	0.13
	V1-3	CORRIDOR	Corridors	4495	0	0	0	0	0.06	270	270	0.8	340	1300	0.26
	42	ROOM	Kitchen (cooking)	348	20	7	8	53	0.12	42	94	0.8	120	1000	0.12
	P106	ARGE GROUP CLR	Classrooms (age 9 plus)	1525	35	54	10	540	0.12	183	723	0.8	910	2400	0.38
	37	NURSE OFFICE	Office space	488	5	3	5	15	0.06	28	43	0.8	60	750	0.08
	38	P.E. OFFICE	Office space	182	5	1	5	5	0.06	10	15	0.8	20	240	0.08
RTU-D-2	35B	STAGE	Stages, studios	854	70	60	10	600	0.06	51	651	0.8	820	1230	0.67
	35	GYMNASIUM	Multise assembly	3763	100	377	7.5	2828	0.06	226	3053	0.8	3620	5670	0.67
NOTES:															
Rp = PEOPLE OUTDOOR AIR RATE, Ra = AREA OUTDOOR AIR RATE, Vbz = BREATHING ZONE OUTDOOR AIRFLOW, Ez = AIR DISTRIBUTION CONFIGURATION, Voz = ZONE OUTDOOR AIRFLOW															
Vpz = ZONE PRIMARY AIRFLOW, Zpz = PRIMARY OUTDOOR AIR FRACTION, Vps = SYSTEM PRIMARY AIRFLOW, Vot = OUTDOOR AIR INTAKE FLOW,															
Vou = UNCORRECTED OUTDOOR AIR INTAKE, D = OCCUPANT DIVERSITY, Ev = SYSTEM VENTILATION EFFICIENCY															

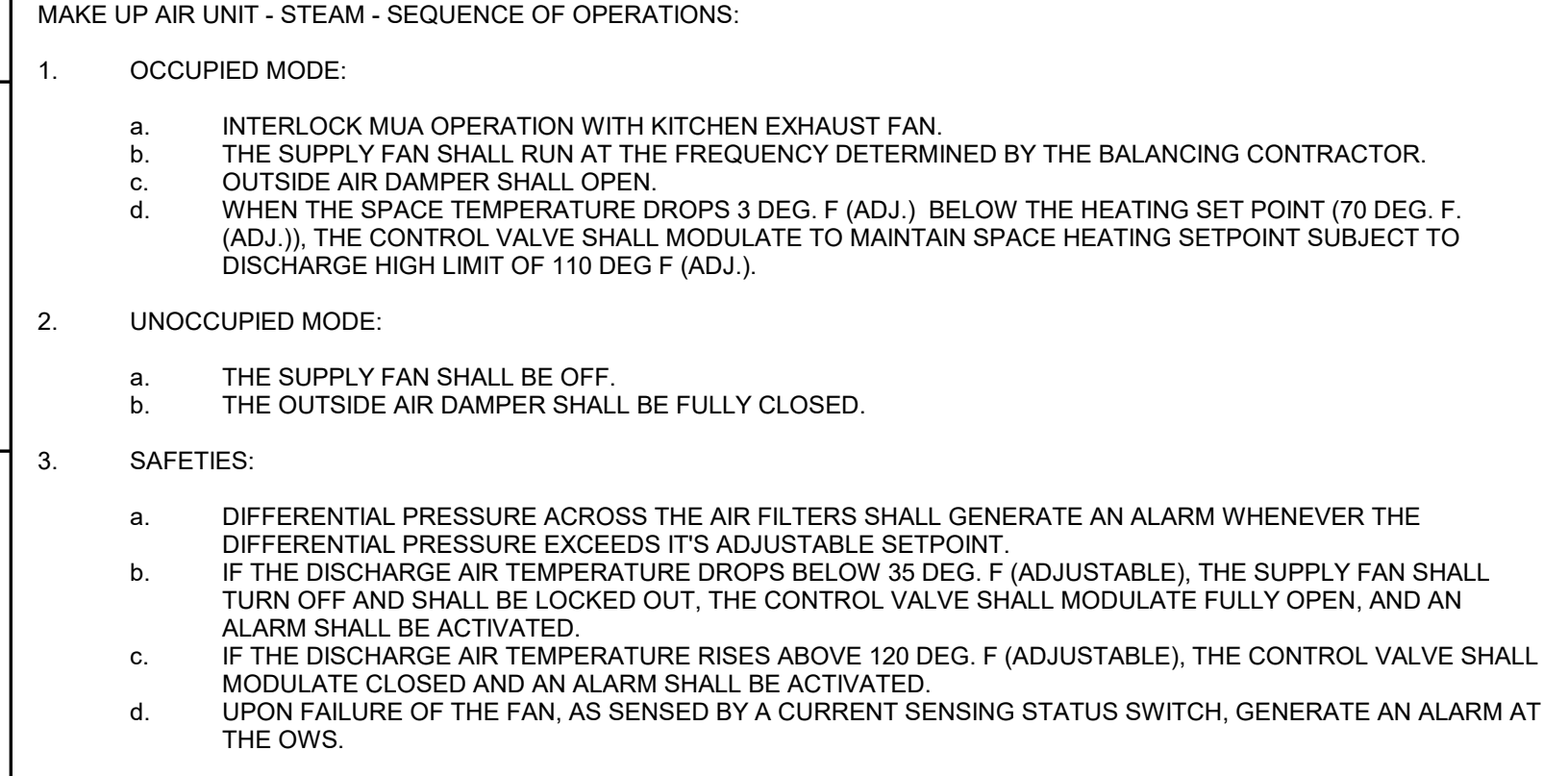
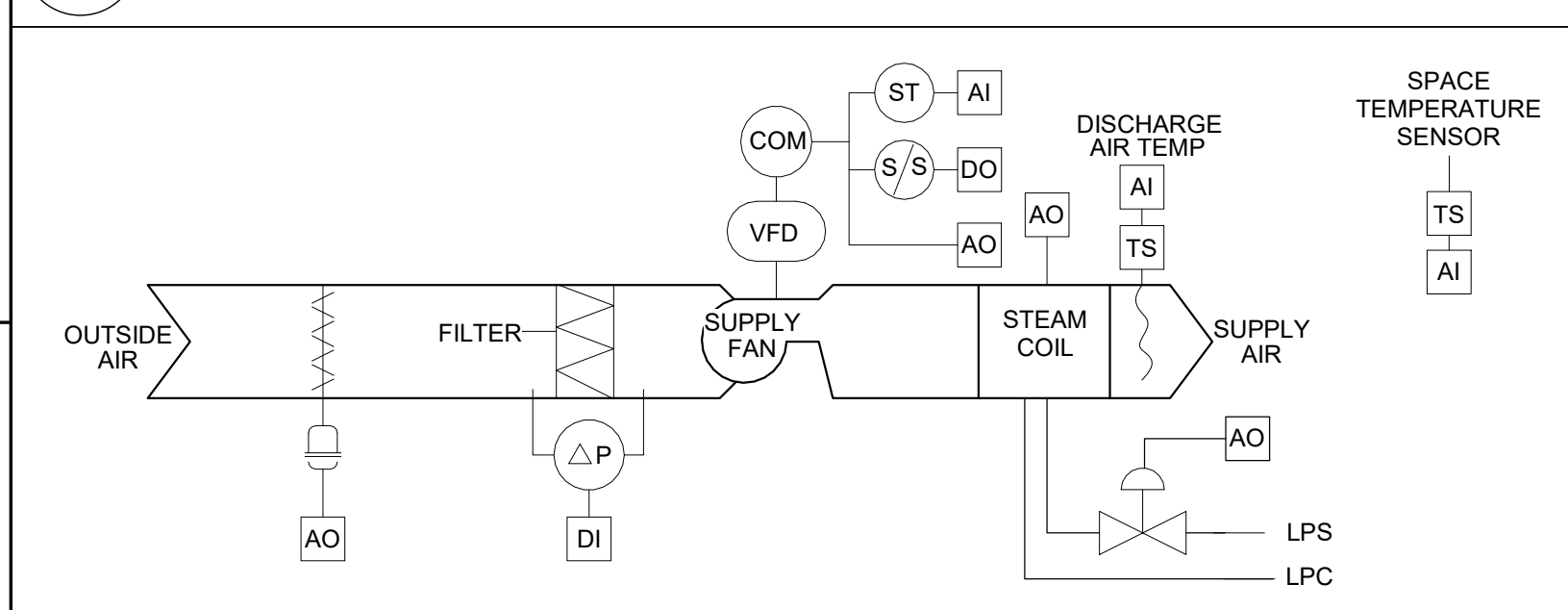
NOTES:
Rp = PEOPLE OUTDOOR AIR RATE, Ra = AREA OUTDOOR AIR RATE, Vbz = BREATHING ZONE OUTDOOR AIRFLOW, Ez = AIR DISTRIBUTION CONFIGURATION, Voz = ZONE OUTDOOR AIRFLOW
Vpz = ZONE PRIMARY AIRFLOW, Zpz = PRIMARY OUTDOOR AIR FRACTION, Vps = SYSTEM PRIMARY AIRFLOW, Vot = OUTDOOR AIR INTAKE FLOW,
Vou = UNCORRECTED OUTDOOR AIR INTAKE, D = OCCUPANT DIVERSITY, Ev = SYSTEM VENTILATION EFFICIENCY

SYSTEM VALUES RTU-D-4			
Vps	13650	(UNCORRECTED OA) Vou	3909
(CORRECTED OA) Vot	4575	D	1.00
OA%	34	Ev	0.85
ADDITIONAL OA%	17		



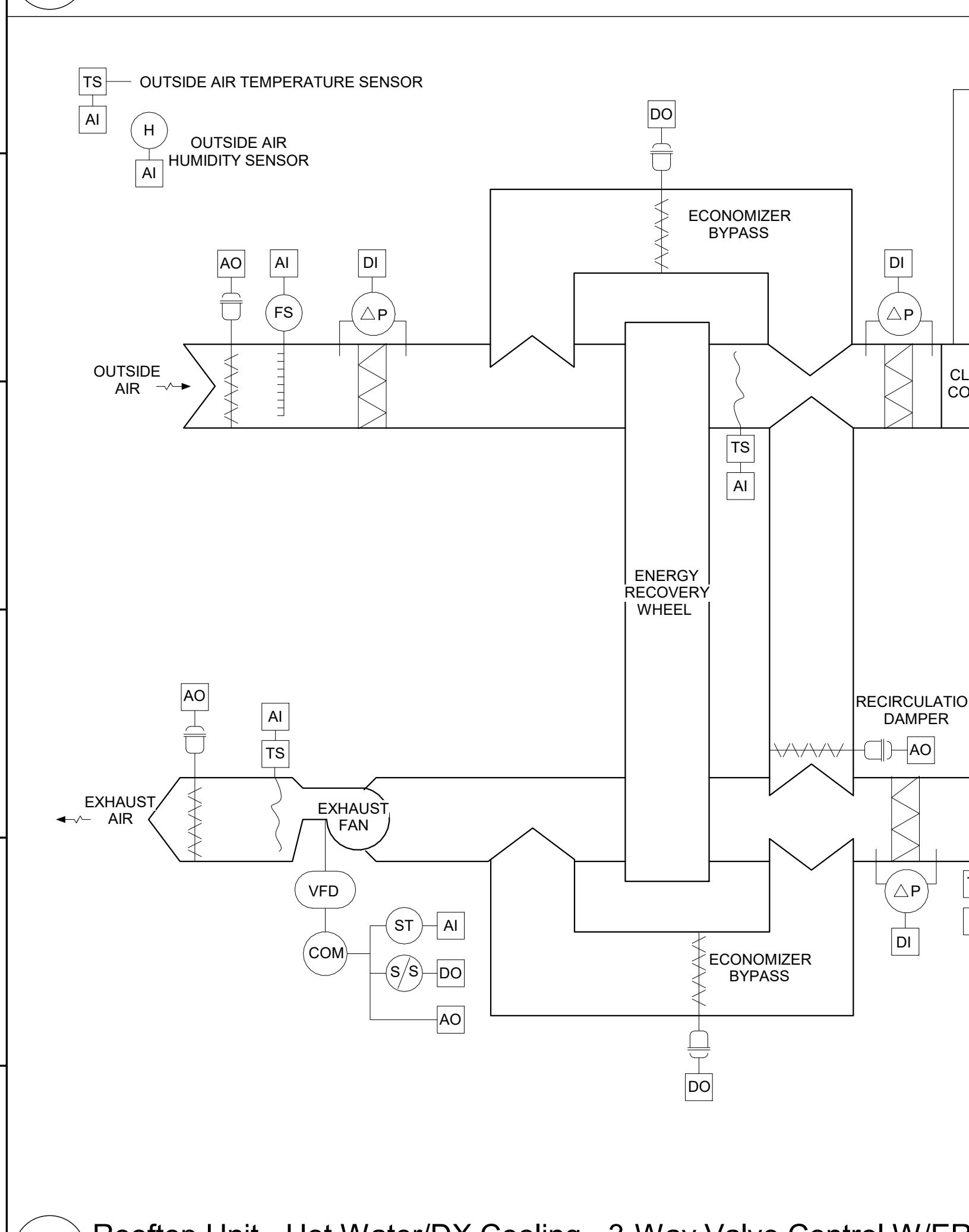
4 Cabinet Unit Heater - Hot Water - Valve Control

NTS



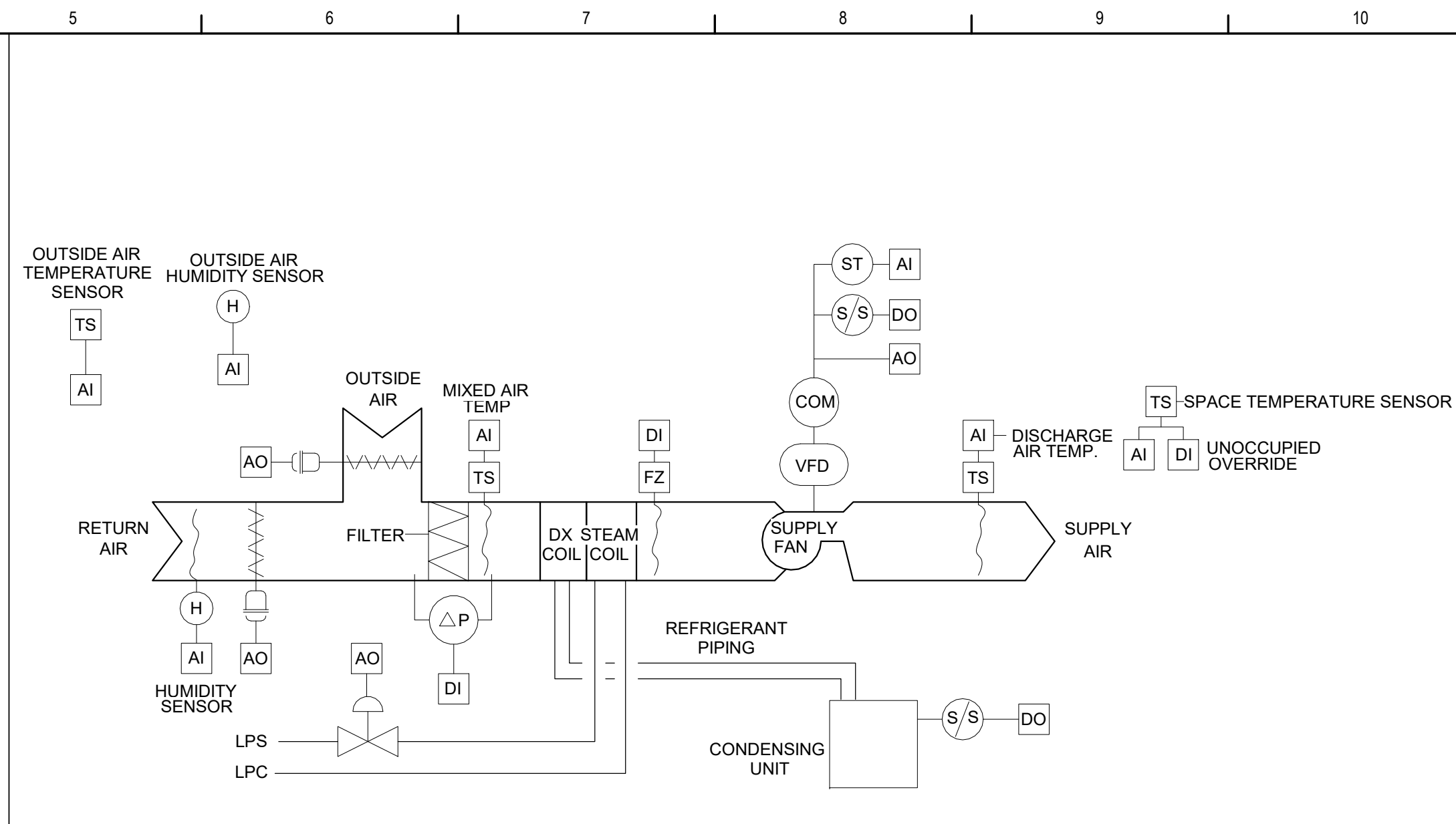
5 Make-Up Air Unit - Steam - MUA-D-1

NTS



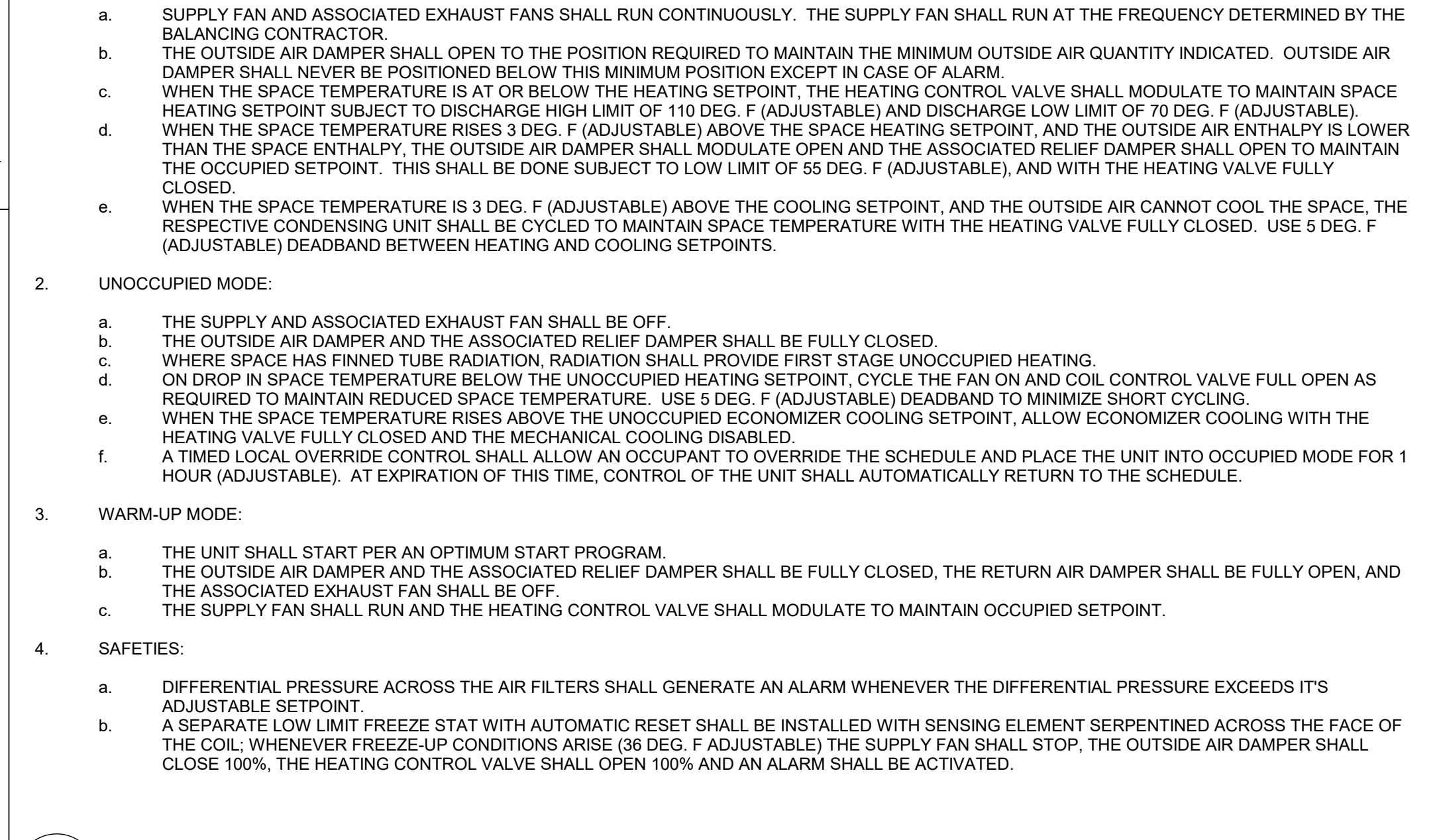
6 Rooftop Unit - Hot Water/DX Cooling - 3-Way Valve Control W/ERW - RTU-D-2

12" = 1'-0"



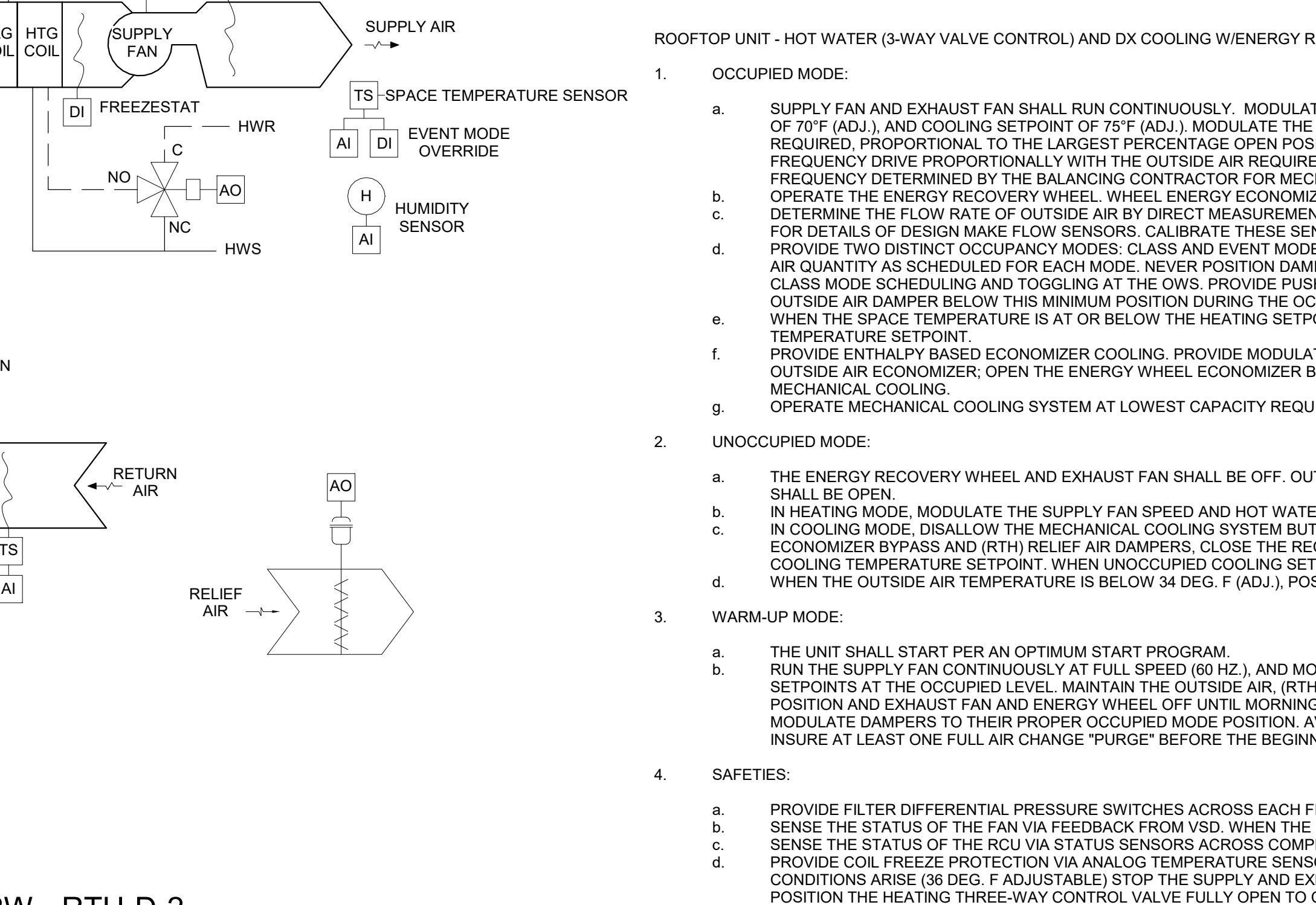
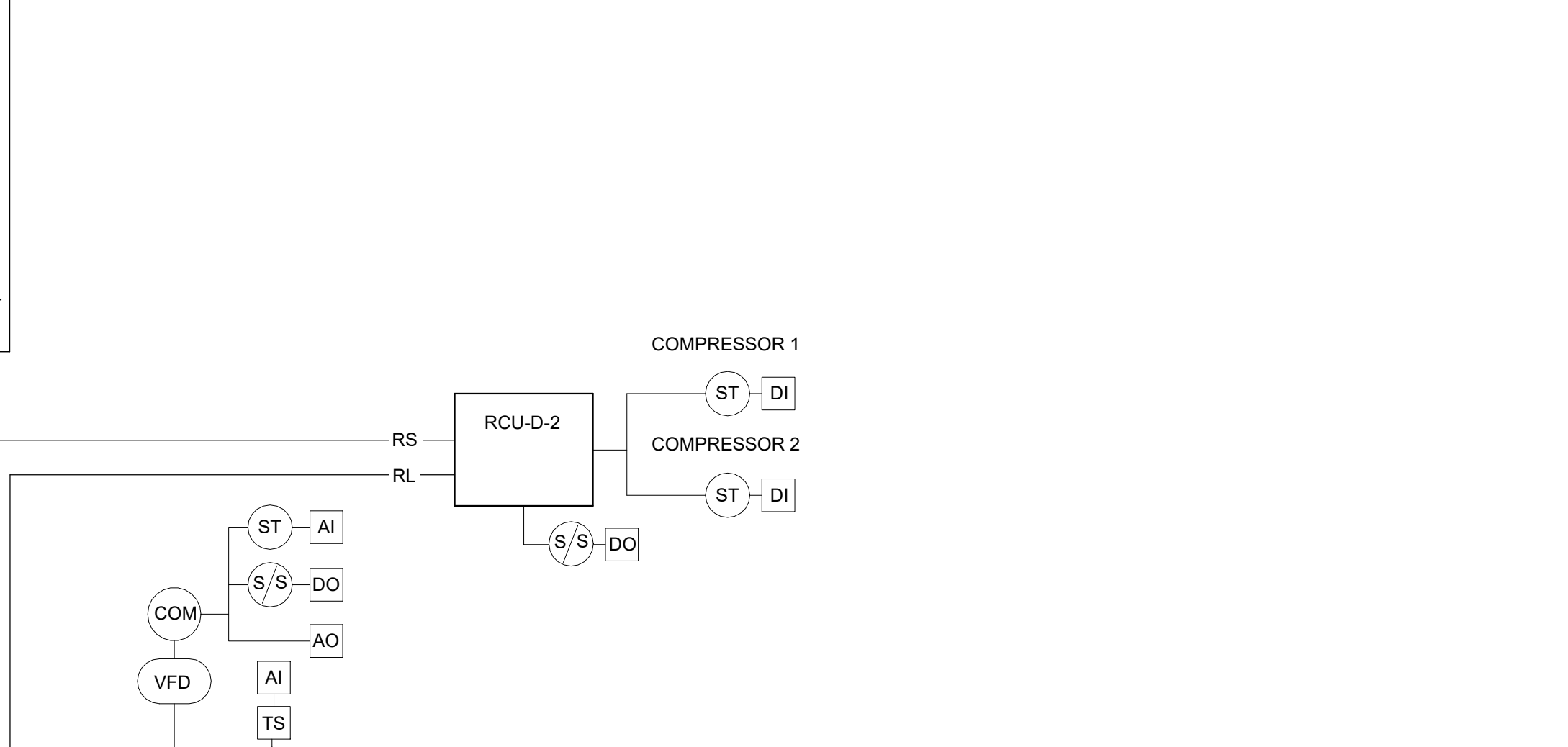
3 RTU - Steam - Valve Control and DX Cooling - RTU-D-1

NTS



3 RTU - Steam - Valve Control and DX Cooling - RTU-D-1

NTS

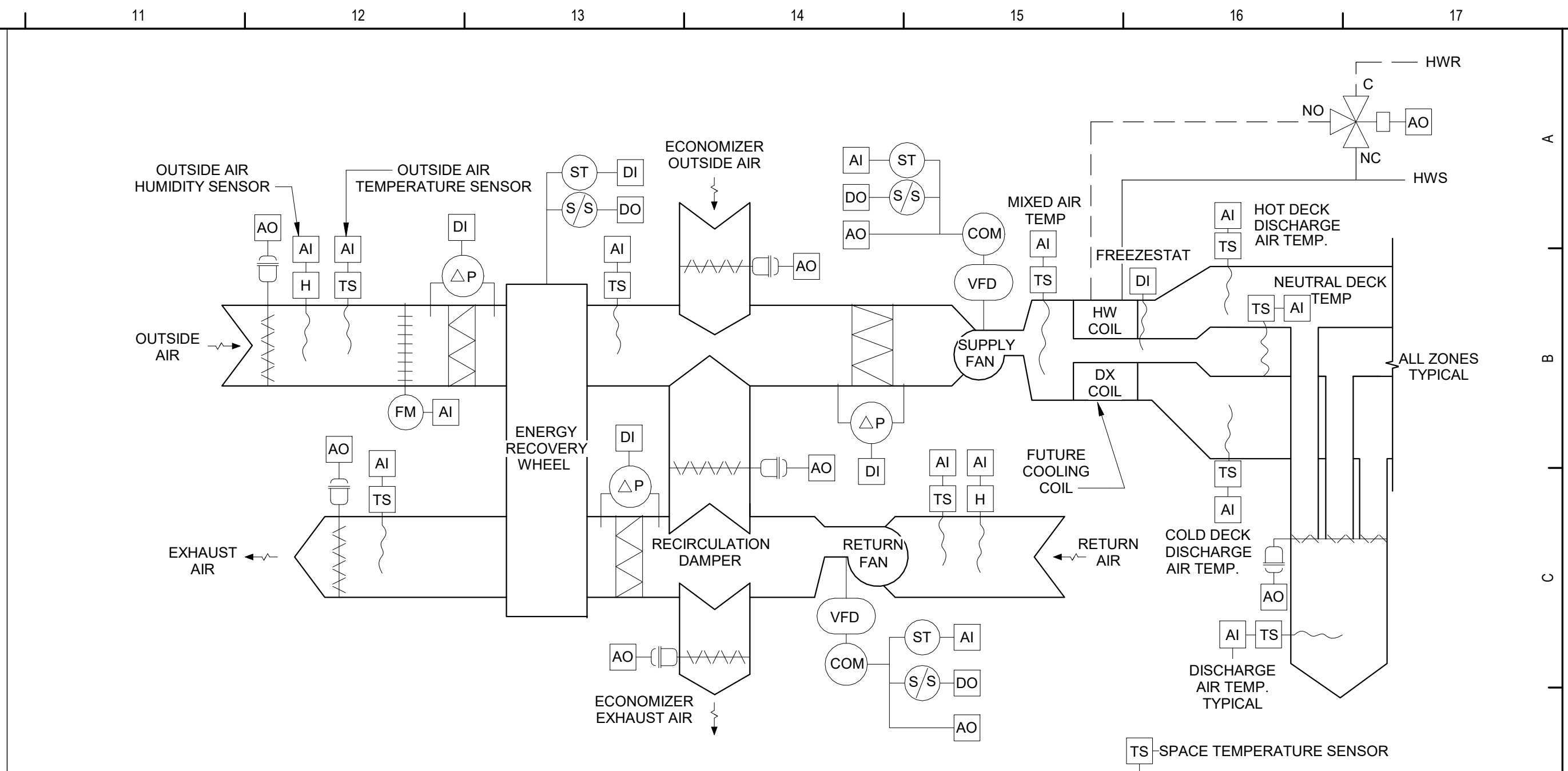


1 Multi-Zone Rooftop Unit - RTU-D-3

NTS

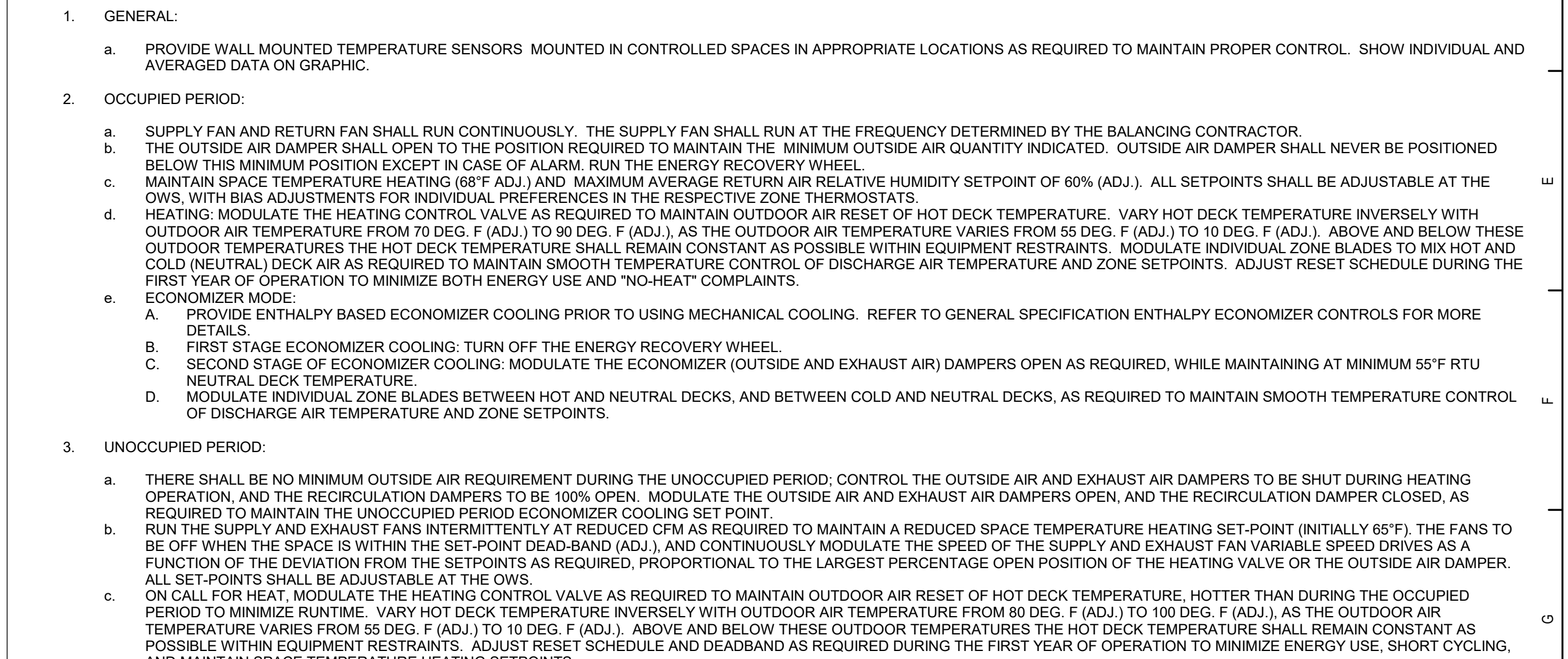
1 Multi-Zone Rooftop Unit - RTU-D-3

NTS



2 Roof Top Hood - Relief

NTS



2 Roof Top Hood - Relief

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2 Roof Top Hood - Relief

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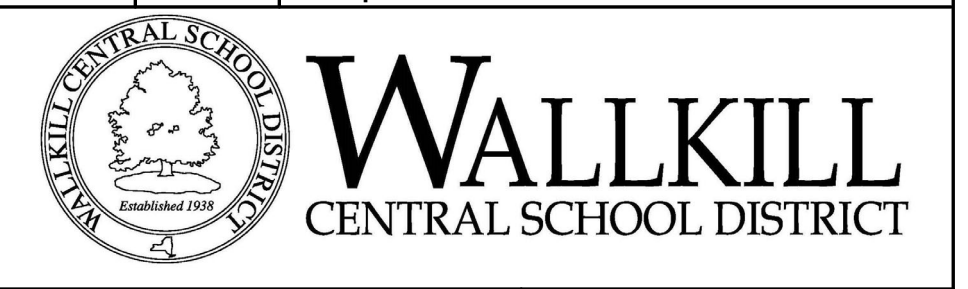
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TEMPERATURE CONTROLS SYMBOLS LIST

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
FS	FREEZE STAT
H	HUMIDITY SENSOR
HL	HIGH LIMIT
KL	LOW LIMIT
M/S	MANUAL SWITCH STOP / START
P	PRESSURE SENSOR
DP	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
BS	BOILER SWITCH

S.E.D. Control No. 62-18-01-06-0-005-015

Rev. No.:	Date:	Description:



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

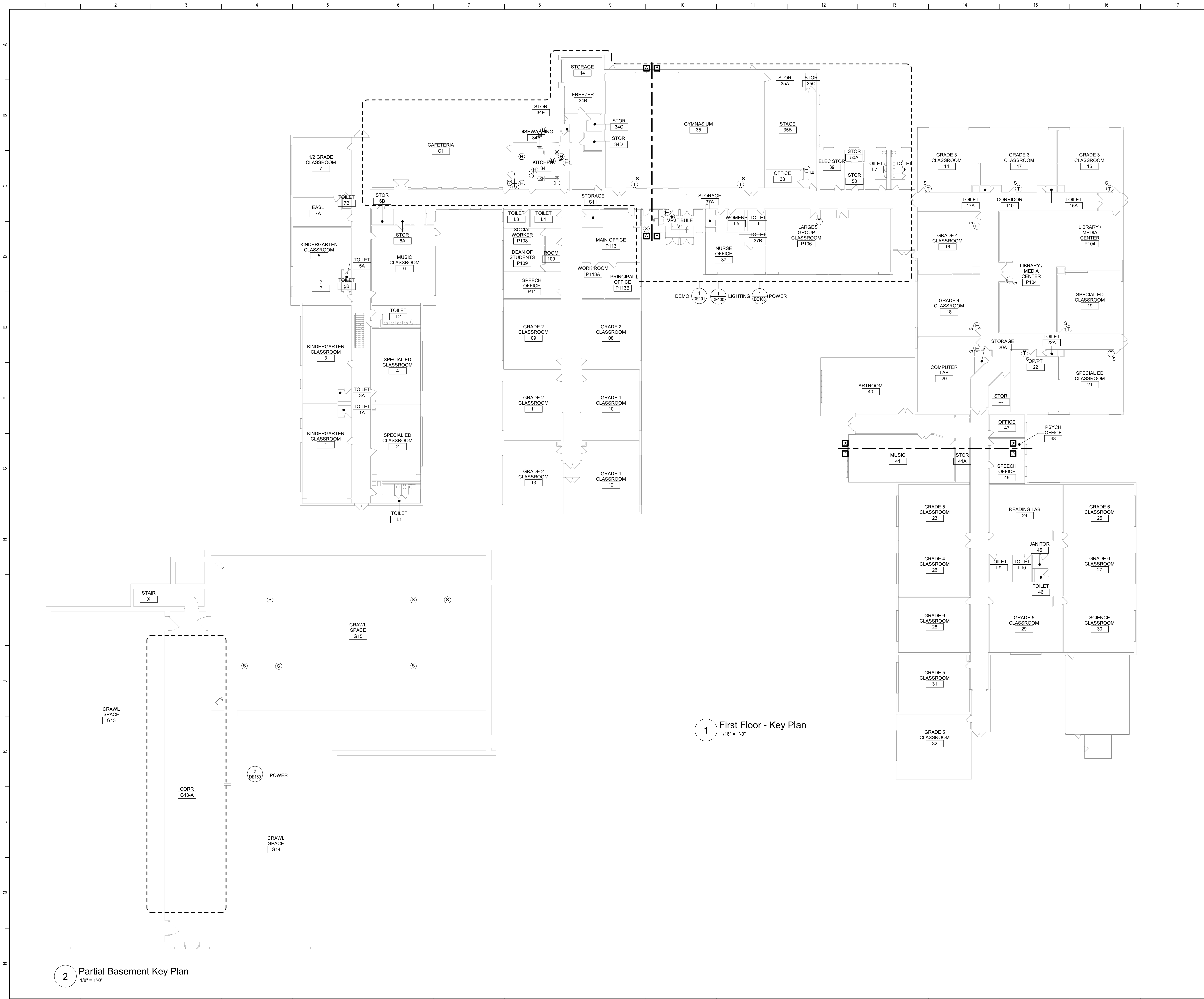


Walkill Central School District
Walkill, New York

Reconstruction to:
Plattekill Elementary School

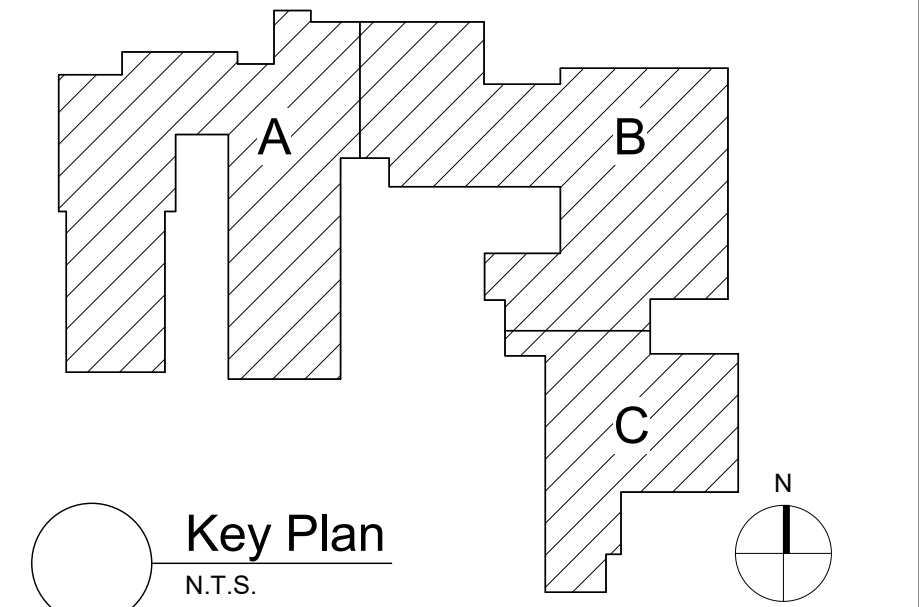
Control Sequences

Drawn By: JPF/igdm	Date: 11/4/2022	Drawing Number:
Project No.:	17597-22001	DM700



General Notes

- A. COORDINATE ALL ELECTRICAL WORK AND POWER OUTAGES WITH OWNER AND OTHER TRADES PRIOR TO THE START OF CONSTRUCTION. NO POWER OUTAGES SHALL OCCUR WITHOUT OWNER'S PRIOR KNOWLEDGE AND CONSENT.
- B. REFER TO DRAWING SA FOR STANDARD SYMBOLS AND ABBREVIATIONS.
- C. AT ALL CORRIDORS WHERE NEW CEILING ARE BEING INSTALLED, REINSTALL DEVICES ON NEW CEILINGS AS SHOWN ON NEW WORK DRAWINGS AND EXTEND/MODIFY EXISTING CIRCUITRY AS REQUIRED.
- D. CIRCUIT WIRING FOR ALL LIGHTING CIRCUITS SHALL BE IN 1/2" EMT CONDUIT (MIN) OR TYPE MC CABLE CONCEALED ABOVE CEILINGS AND IN WALLS (REFER TO SPECIFICATION SECTION 26 05 33 FOR LOCATIONS WHERE MC CABLE IS ACCEPTABLE). ALL CIRCUIT CONDUCTORS SHALL BE #12AWG COPPER (MIN) 90°C THHN THERMOPLASTIC INSULATION.
- E. PROPERLY IDENTIFY ALL CIRCUITS AT PANELS AND J-BOXES AND IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
- F. PROVIDE ALL ADAPTERS, COUPLINGS AND ASSOCIATED FITTINGS REQUIRED FOR COMPLETE OPERATIONAL SYSTEM.
- G. INSTALL CHAIN-HUNG LIGHT FIXTURES AFTER ALL MECHANICAL AND PLUMBING EQUIPMENT, PIPING AND DUCTWORK HAVE BEEN INSTALLED.
- H. WHEN INSTALLING NEW DEVICES IN EXISTING LOCATIONS, REUSE EXISTING CONDUIT/RACEWAY AND BACK BOXES IF IN GOOD CONDITION. EXTEND/INSTALL NEW CONDUIT/RACEWAY AS REQUIRED FOR PROPER MOUNTING OF DEVICE. CONCEAL ABOVE CEILINGS OR WITHIN WALLS WHERE POSSIBLE. REFER TO SPECIFICATION SECTION 26 05 33.
- J. UNLESS NOTED ELSEWHERE ON THE CONTRACT DOCUMENTS, THE FOLLOWING LIST REPRESENTS THE TYPICAL MOUNTING HEIGHTS FOR THE DEVICES SHOWN:
- | | |
|---|--------------|
| 1. SWITCHES AND PANIC STATIONS..... | 48" (TO TOP) |
| 2. RECEPTACLES..... | 16" |
| 3. COMPUTER RECEPTACLES..... | 16" |
| 4. WALL (W) TELEPHONE AND/OR CALL SWITCHES..... | 48" (TO TOP) |
| 5. TELEPHONE OUTLETS (UNLABELED)..... | 16" |
| 6. VOLUME CONTROLS..... | 48" (TO TOP) |
| 7. TELEVISION OUTLETS..... | 16" |
| 8. FIRE ALARM PULL STATIONS..... | 48" (TO TOP) |
| 9. FIRE ALARM AUDIOVISUAL UNITS..... | 48" |
| 10. POWER PANELS..... | 72" (TO TOP) |
| 11. DISCONNECT SWITCHES..... | 60" (TO TOP) |
| 12. MOTOR STARTERS..... | 60" (TO TOP) |
- * (OR 6" BELOW CEILING, WHICHEVER IS LOWER)
- K. COORDINATE ALL ELECTRICAL WORK WITH OTHER TRADES.
- L. PROVIDE ALL POWER DISTRIBUTION WORK INCLUDING PANELS, FEEDERS AND BRANCH CIRCUIT WIRING. UPDATE PANEL DIRECTORIES ACCORDINGLY.
- M. TESTS OF ALL ELECTRICAL WORK SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER OR ARCHITECT. AS EQUIPMENT IS INSTALLED AND AS SYSTEMS ARE COMPLETED. IN ADDITION AN ELECTRIC APPROVED CERTIFICATE SHALL BE ISSUED BY AN ELECTRICAL INSPECTION AGENCY.
- N. CONNECT ALL EXIT AND EMERGENCY LIGHTS TO THE UNSWITCHED HOT LEG OF THE LIGHTING CIRCUIT SERVING THE AREA.
- O. AT ALL CO (#) LOCATIONS RUN AN INDIVIDUAL PLENUM RATED CATEGORY 6 UTP CABLE FROM BOX TO NEAREST IDF. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION. (#) INDICATES QUANTITY OF RUNS TO BOX.
- P. ACCESS CONTROL AND SECURITY SYSTEM PROVIDED BY OWNERS SECURITY VENDOR. PROVIDE 120V CONNECTION TO ELH POWER SUPPLY AND ACM LOCATION. COORDINATE FINAL LOCATIONS WITH OWNER. REFER TO 2DE01.



S.E.D. Control No. 62-18-01-06-0-005-015

Rev. No.: Date: Description:



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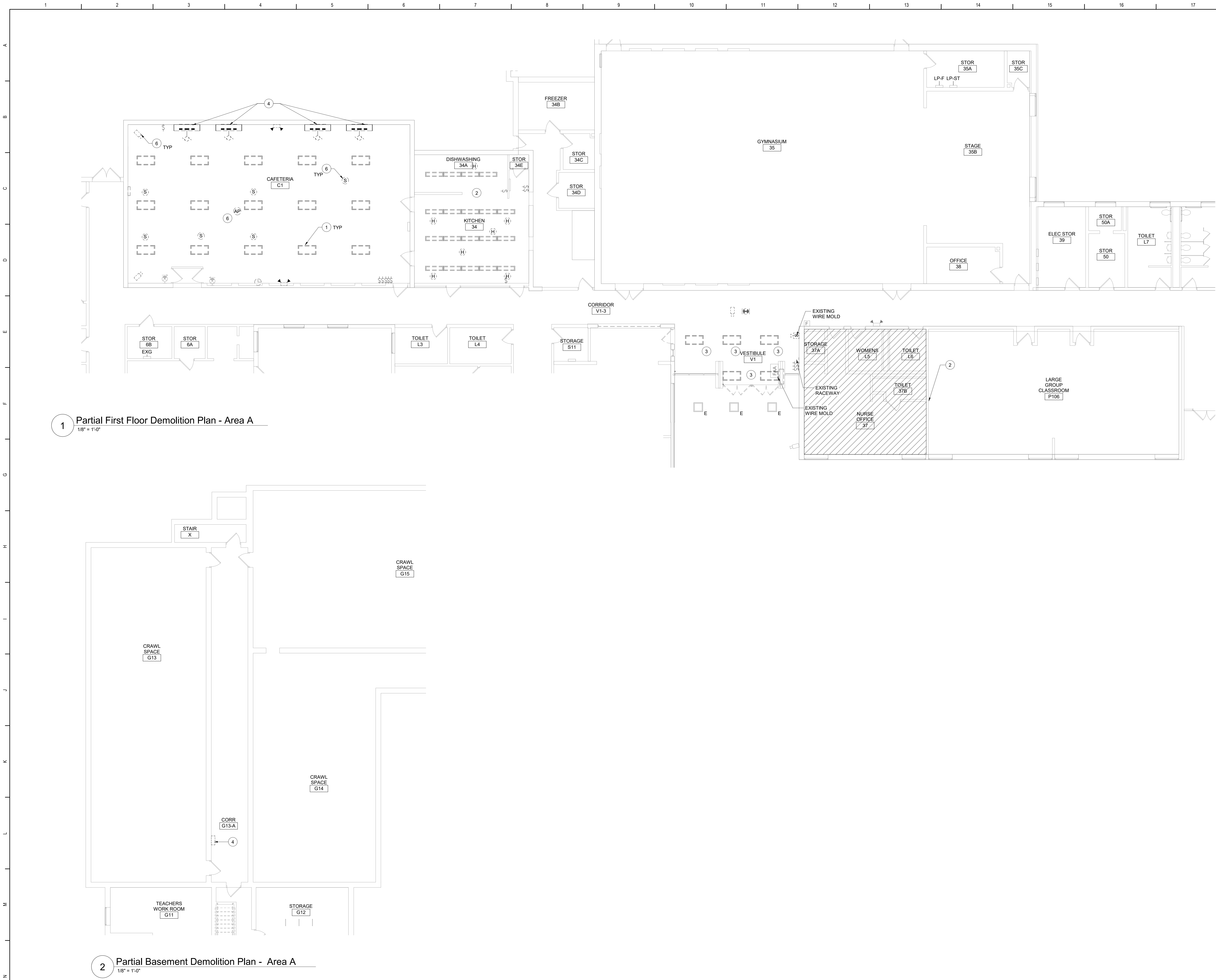


Wallkill Central School District
Wallkill, New York

Reconstruction to:
Plattekill Elementary School

First Floor Key Plan

Drawn By: GLK/CR/ded	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001	DE050	

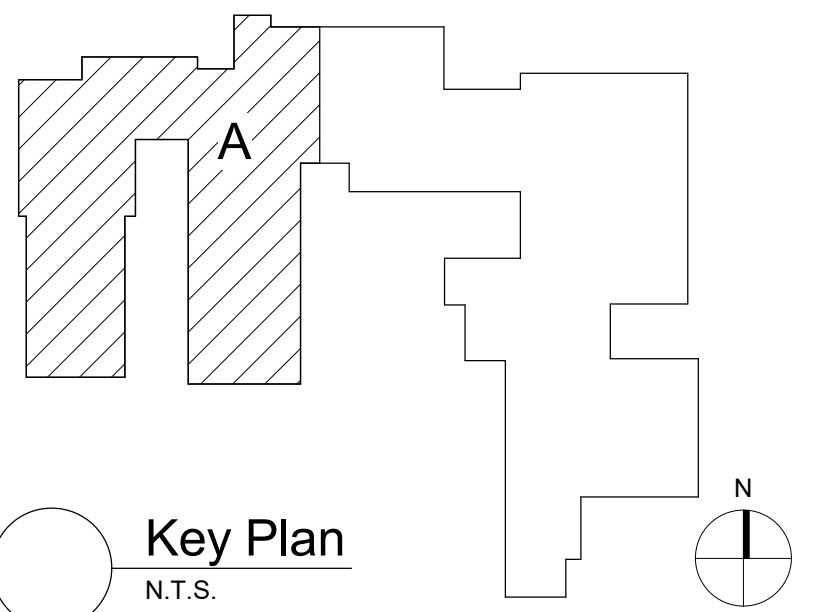


Demolition General Notes

- A. ALL ELECTRICAL DEVICES INTERFERING WITH DEMOLITION WORK SHALL BE DISCONNECTED AND REMOVED, UNLESS OTHERWISE NOTED. EXISTING CIRCUIT WIRING SHALL BE REMOVED BACK TO SOURCE AND PANEL DIRECTORIES MODIFIED ACCORDINGLY.
- B. ANY DEVICE INTERFERING WITH DEMOLITION WORK NOT SHOWN ON THESE DRAWINGS SHALL NOT BE REMOVED WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER'S REPRESENTATIVE OR THE ENGINEER.
- C. ALL ELECTRICAL DEMOLITION WORK SHALL BE PROPERLY COORDINATED WITH ALL OTHER TRADES.
- D. REFER TO SPECIFICATIONS SECTION 16010 FOR DEMOLITION REQUIREMENTS.
- E. EC IS SOLELY RESPONSIBLE FOR THE SAFE HANDLING AND DISPOSAL OF ALL REMOVED LIGHT FIXTURES AND BALLASTS THAT MAY CONTAIN POPS (POLYCHLORINATED BIPHENYLS), IN ACCORDANCE WITH ALL APPLICABLE EPA, OSHA, FEDERAL, STATE, AND LOCAL CODES AND LAWS.
- F. EC IS SOLELY RESPONSIBLE FOR THE SAFE HANDLING AND DISPOSAL OF ALL REMOVED FLUORESCENT LIGHT TUBES THAT MAY CONTAIN MERCURY, IN ACCORDANCE WITH ALL APPLICABLE EPA, OSHA, FEDERAL, STATE, AND LOCAL CODES AND LAWS.
- G. AT ALL CORRIDORS WHERE NEW CEILINGS ARE BEING INSTALLED, DISCONNECT AND REMOVE DEVICES AS INDICATED, TAG EXISTING WIRING FOR RE-USE.

Keyed Notes

- 1 REMOVE LUMINAIRES, LIGHTING CONTROL AND CIRCUITS BACK TO SOURCE.
- 2 REMOVE THE CEILING DEVICES, PRESERVE CIRCUITRY AND STORE FOR REINSTALLATION TO SUPPORT STRUCTURAL REINFORCEMENT. COORDINATE ALL WORK WITH GENERAL CONTRACTOR.
- 3 REMOVE LUMINAIRES, LIGHTING CONTROL COIL AND TAG CIRCUITRY FOR RE-USE.
- 4 DE-ENERGIZE EQUIPMENT, DISCONNECT ELECTRICAL CONDUCTORS, REMOVE CONDUCTORS BACK TO THE SOURCE OVERCURRENT PROTECTIVE DEVICE. IDENTIFY THE CIRCUIT, PANEL/SWITCHBOARD AND UPDATE PANEL DIRECTORY TO INDICATE AVAILABLE SPARE.
- 5 DE-ENERGIZE BOOSTER PUMP CONTROL PANEL, DISCONNECT ELECTRICAL CONDUCTORS AND SAVE FOR RE-USE.
- 6 REMOVE SMOKE DETECTORS, SPEAKERS, ACCESS POINT, AND CAMERAS. PRESERVE CIRCUITRY AND STORE FOR REINSTALLATION.



S.E.D. Control No. 62-18-01-06-0-005-015

Rev. No.:	Date:	Description:
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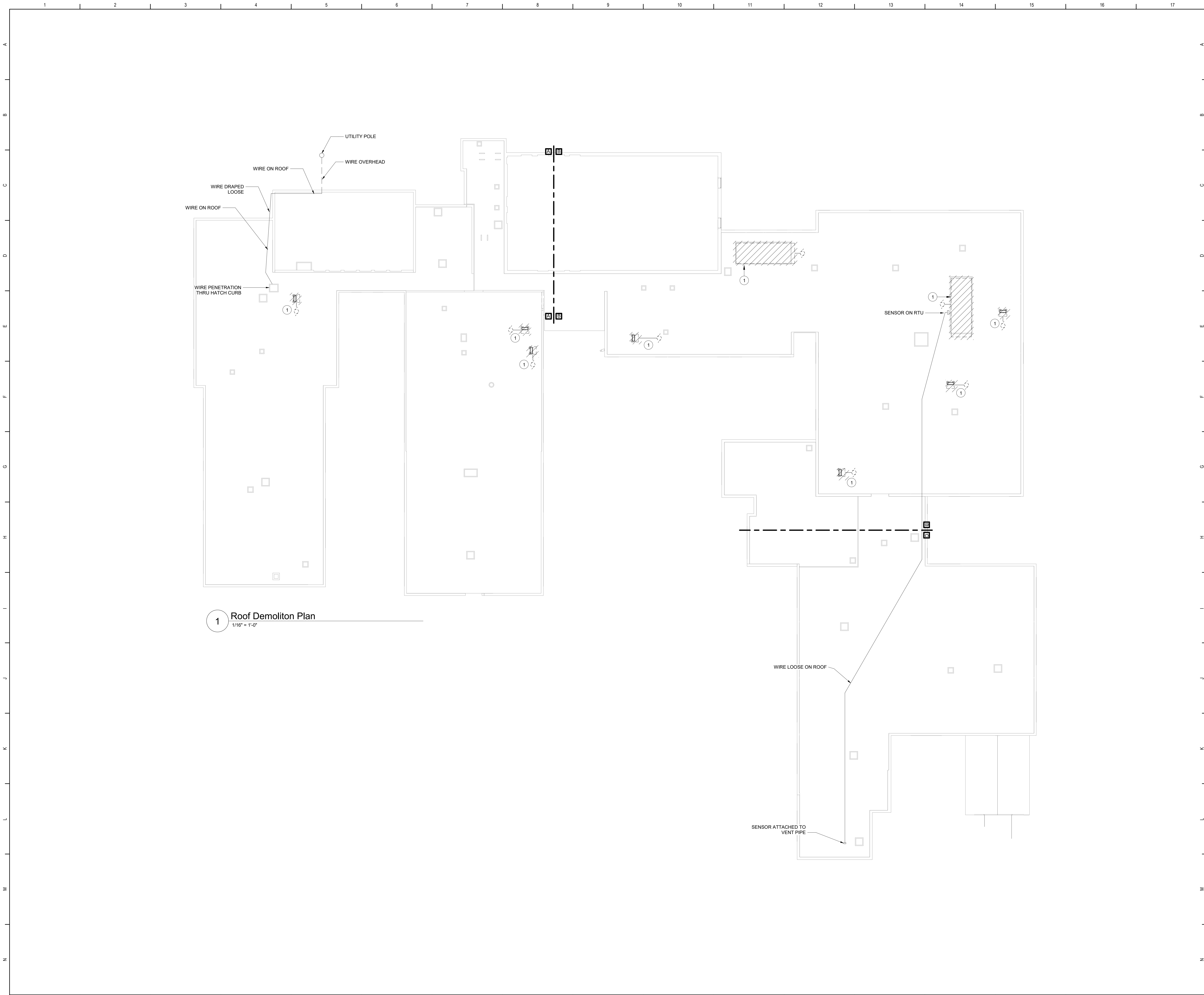


Wallkill Central School District
Wallkill, New York

Reconstruction to:
Plattekill Elementary School

Partial First Floor Demolition Plans -
Areas A and B

Drawn By: GLK/CR/ded	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001		DE101



Keyed Notes

1 DE-ENERGIZE EQUIPMENT. DISCONNECT ELECTRICAL CONDUCTORS, MAKE NEAT AND SAFE, SAFEGUARD FOR REUSE.

GENERAL NOTES

A. REFER TO DRAWING DE101 FOR GENERAL DEMOLITION NOTES.

S.E.D. Control No. 62-18-01-06-0-005-015

Rev. No.	Date	Description

WALLKILL
CENTRAL SCHOOL DISTRICT

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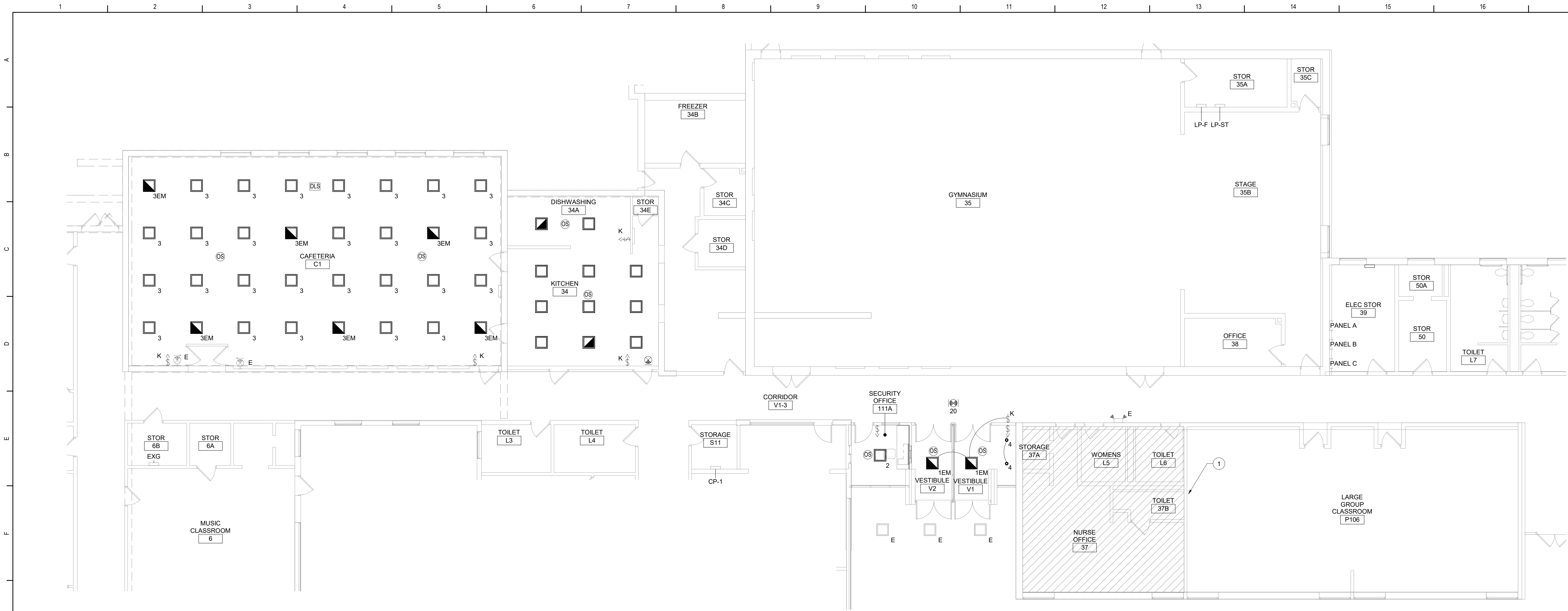
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Wallkill Central School District
Wallkill, New York

Reconstruction to:
Plattekill Elementary School

Roof Demolition Plan

Drawn By: GLK/ded	Date: 11/4/2022	Drawing Number: DE102
Project No.: 17597-22001		



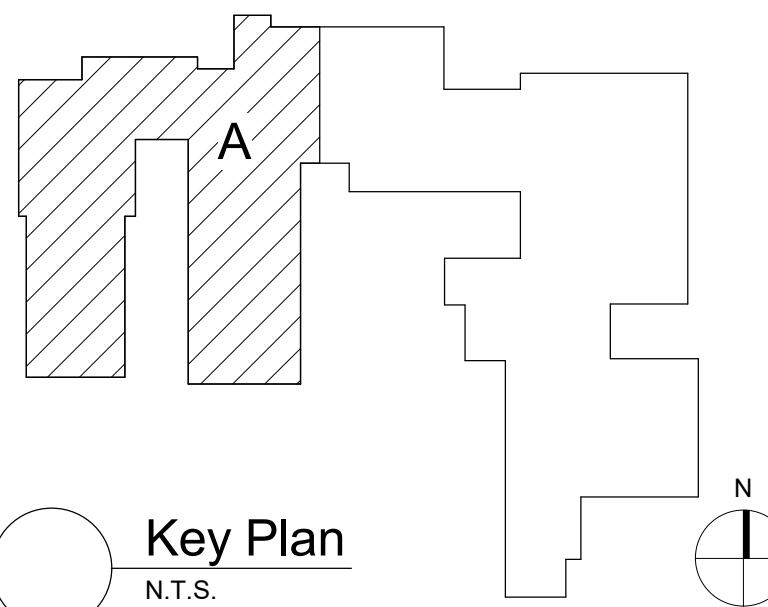
1 Partial First Floor - Lighting Plans - Areas A and B
1/8" = 1'-0"

Keyed Notes

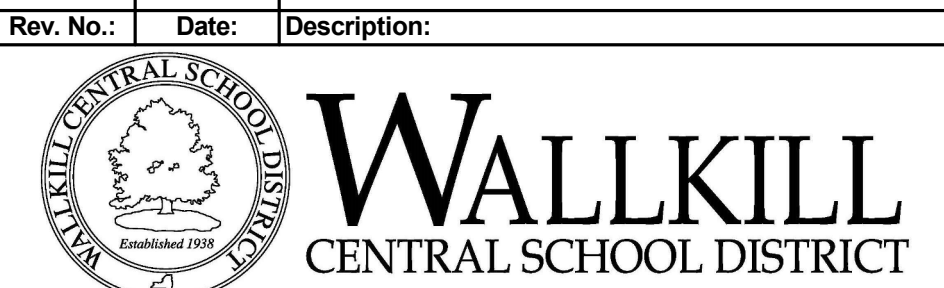
- 1 REINSTALL CEILING DEVICES PREVIOUSLY STORED FOR STRUCTURAL REINFORCEMENT WORK. CONNECT TO PRESERVED CIRCUITRY AND CONTROLS.

GENERAL NOTES

- A. REFER TO DRAWING CE051 FOR GENERAL NOTES.
B. LIGHTING CONTROL SEQUENCES:
LOBBY/VESTIBULES:
PERSON ENTERS THE AREA, LUMINAIRES TURN ON TO 100% OUTPUT AUTOMATICALLY BY OCCUPANCY SENSOR. PERSON EXITS THE AREA, LUMINAIRES DIM TO 50% OUTPUT (MAINTAINING EGRESS LEVEL ILLUMINATION). MANUAL CONTROL BY LINE VOLTAGE KEYSWITCH.
KITCHEN:
PERSON ENTERS THE ROOM AND TURNS LUMINAIRES ON TO 100% OUTPUT. WHEN PERSON EXITS THE ROOM THE OCCUPANCY SENSOR WILL TURN OFF THE LUMINAIRES AFTER 15 MINUTES. IF PERSON ENTERS AGAIN LUMINAIRES WILL TURN ON TO 100%. MANUAL CONTROL BY LOW VOLTAGE KEYSWITCH.
CAFETERIA:
PERSON ENTERS THE ROOM AND TURNS LUMINAIRES ON TO 100% OUTPUT. WHEN PERSON EXITS THE ROOM THE OCCUPANCY SENSOR WILL TURN OFF THE LUMINAIRES AFTER 15 MINUTES. MANUAL CONTROL BY LOW VOLTAGE KEYSWITCH. DAYLIGHT RESPONSIVE CONTROL WILL DIM ROW OF LUMINAIRES CLOSEST TO WINDOW TO PRESET SET POINT OF ROOM TO MAINTAIN UNIFORMITY OF ILLUMINATION.



S.E.D. Control No. 62-18-01-06-0-005-015



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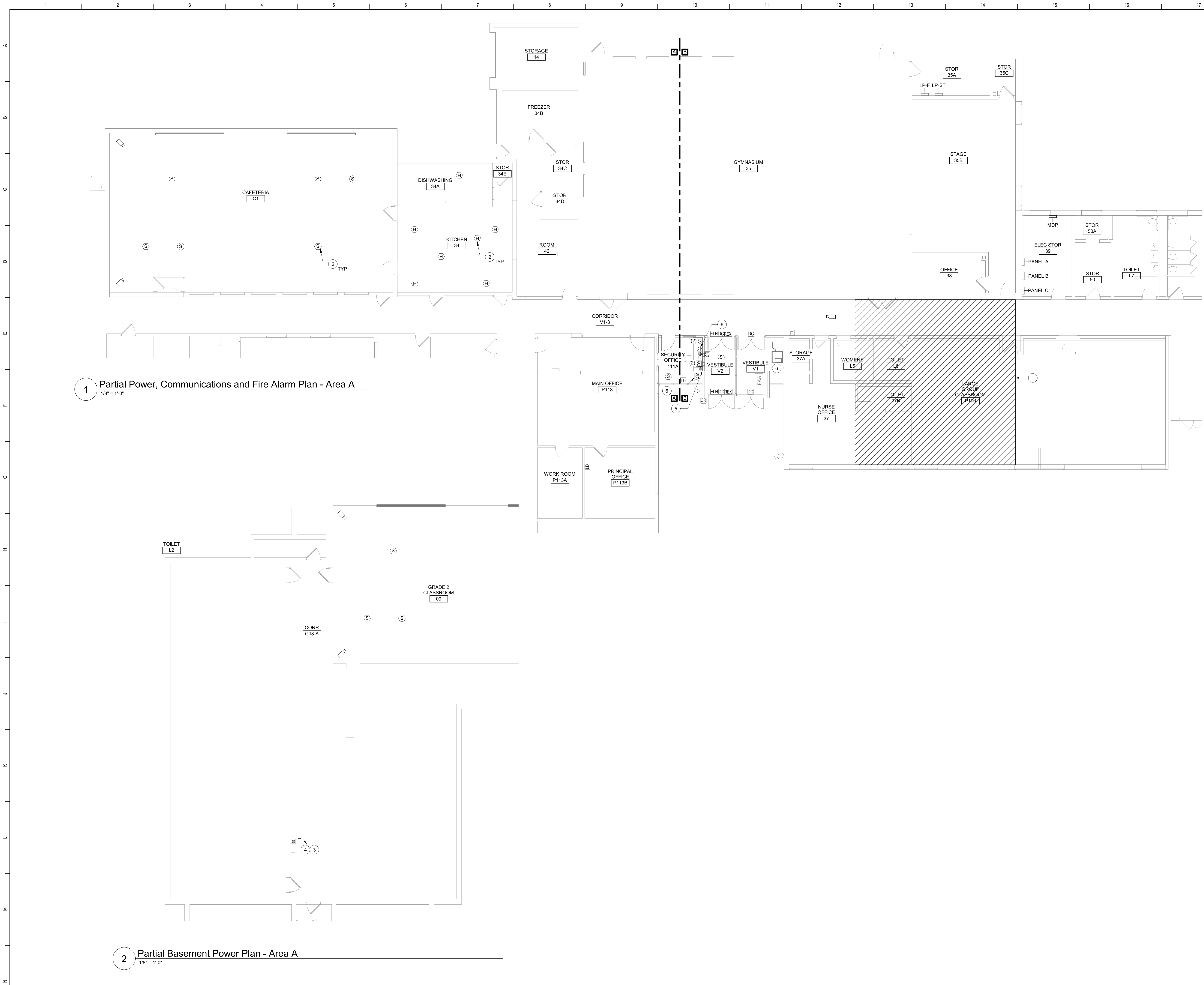


Wallkill Central School District
Wallkill, New York

Reconstruction to:
Plattekill Elementary School

Partial First Floor Lighting Plan - Areas
A and B

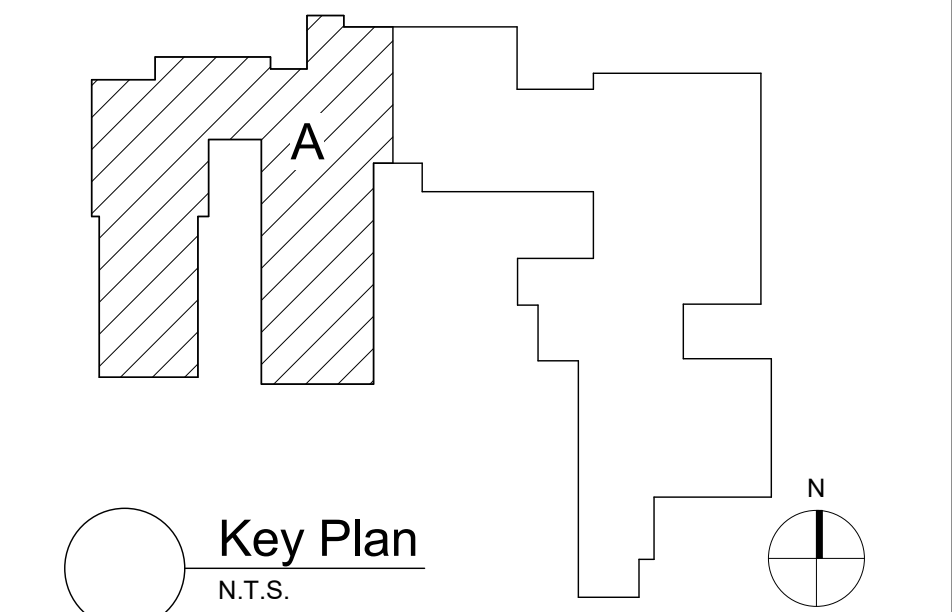
Drawn By: CR/ded	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001	DE130	



- Keyed Notes**
- 1 REINSTALL CEILING DEVICES PREVIOUSLY STORED FOR STRUCTURAL REINFORCEMENT WORK. CONNECT TO PRESERVED CIRCUITRY AND CONTROLS.
 - 2 INSTALL CEILING DEVICES PREVIOUSLY STORED FOR DEMOLITION. MODIFY/EXTEND EXISTING CIRCUITRY AND CONTROLS AS NECESSARY.
 - 3 PROVIDE (2) #12 AWG, (1) #12 AWG G IN 1/2" C TO PANEL B. PROVIDE (1) 20A, 208V, 3 POLE BREAKER WITH AIC RATING TO MATCH EXISTING PANEL.
 - 4 PROVIDE CONNECTION TO BOOSTER PUMP CONTROL PANEL. EXTEND/MODIFY EXISTING CIRCUITRY AS REQUIRED.
 - 5 ROLL UP FIRE SHUTTER. PROVIDE POWER, FIRE ALARM INITIATION AND CONTROL CIRCUITS AS SHOWN IN DETAIL 405E000.
 - 6 PROVIDE (1) #12 AWG, (1) #12 AWG G IN 1/2" C TO PANEL B. PROVIDE (1) 20A, 120V, 1 POLE BREAKER WITH AIC RATING TO MATCH EXISTING PANEL.

GENERAL NOTES

A. REFER TO DRAWING DE050 FOR GENERAL NOTES.



S.E.D. Control No. 62-18-01-06-0-005-015

1	01/23/2023	SED Add No. 2
Rev. No.:	Date:	Description:



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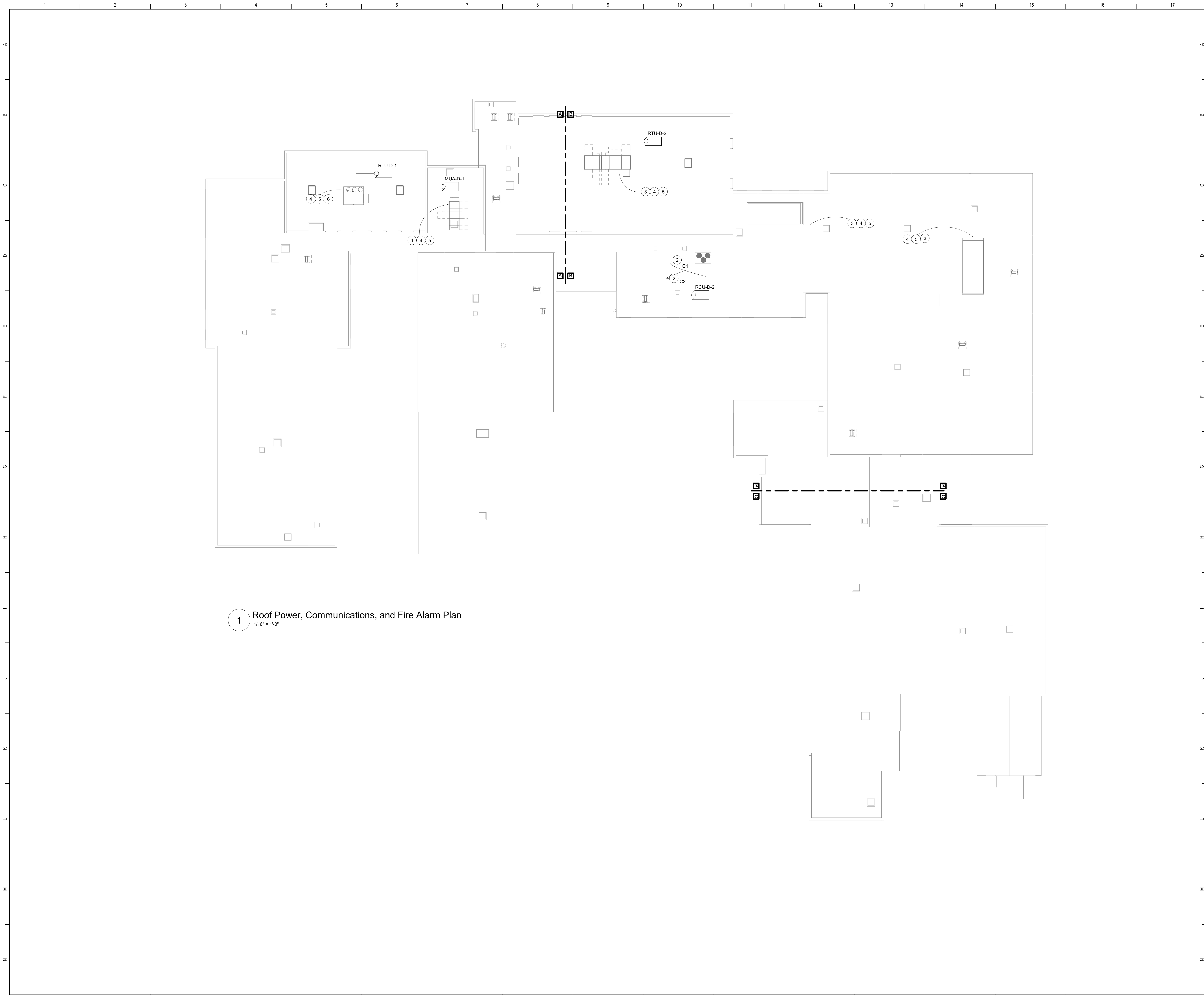


Wallkill Central School District
Wallkill, New York

Reconstruction to:
Plattekill Elementary School

Partial Basement and First Floor
Power, Communications and Fire
Alarm Plan

Drawn By: GLK/ded	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001	DE160	



Keyed Notes

- PROVIDE (3) #10 AWG, (1) #10 AWG IN 1/2" TO PANEL B. PROVIDE (1) 30A, 208V, 3 POLE BREAKER WITH AIC RATING TO MATCH EXISTING PANEL.
- PROVIDE (3) #1 AWG, (1) #6 AWG G IN 1-1/4" TO MDP. PROVIDE (1) 150A, 208V, 3 POLE BREAKER WITH AIC RATING TO MATCH EXISTING PANEL.
- PROVIDE (3) #2 AWG, (1) #8 AWG G IN 1-1/4" TO MDP. PROVIDE (1) 80A, 208V, 3 POLE BREAKER WITH AIC RATING TO MATCH EXISTING PANEL.
- PROVIDE DUCT DETECTOR DOWNSTREAM OF SUPPLY SIDE AIR FILTER AND UPSTREAM OF ANY DUCT BRANCH CONNECTIONS. CONNECT DUCT DETECTORS TO EXISTING FIRE ALARM SYSTEM. EXTEND/MODIFY CIRCUITRY AS NECESSARY.
- PROVIDE FAN SHUTDOWN RELAY/CONNECTION FOR SUPPLY FAN. CONNECT TO EXISTING FIRE ALARM SYSTEM. EXTEND/MODIFY CIRCUITRY AS NECESSARY.
- PROVIDE FAN SHUTDOWN RELAY/CONNECTION FOR RETURN FAN. CONNECT TO EXISTING FIRE ALARM SYSTEM. EXTEND/MODIFY CIRCUITRY AS NECESSARY.

GENERAL NOTES

A. REFER TO DRAWING DE050 FOR GENERAL NOTES.

Key Plan
N.T.S.

S.E.D. Control No. 62-18-01-06-0-005-015

Rev. No.:	Date:	Description:

WALLKILL
CENTRAL SCHOOL DISTRICT

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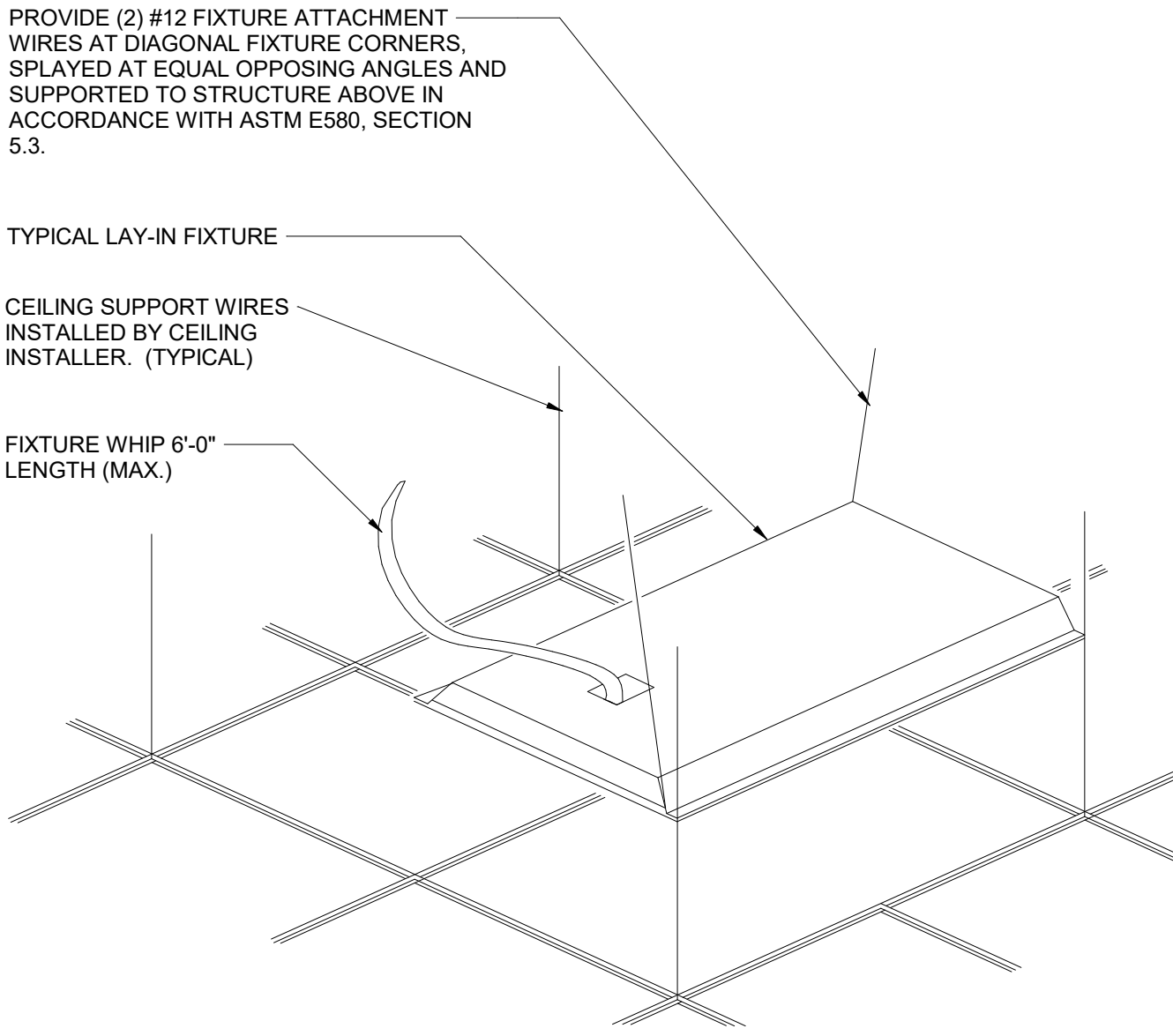
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Wallkill Central School District
Wallkill, New York

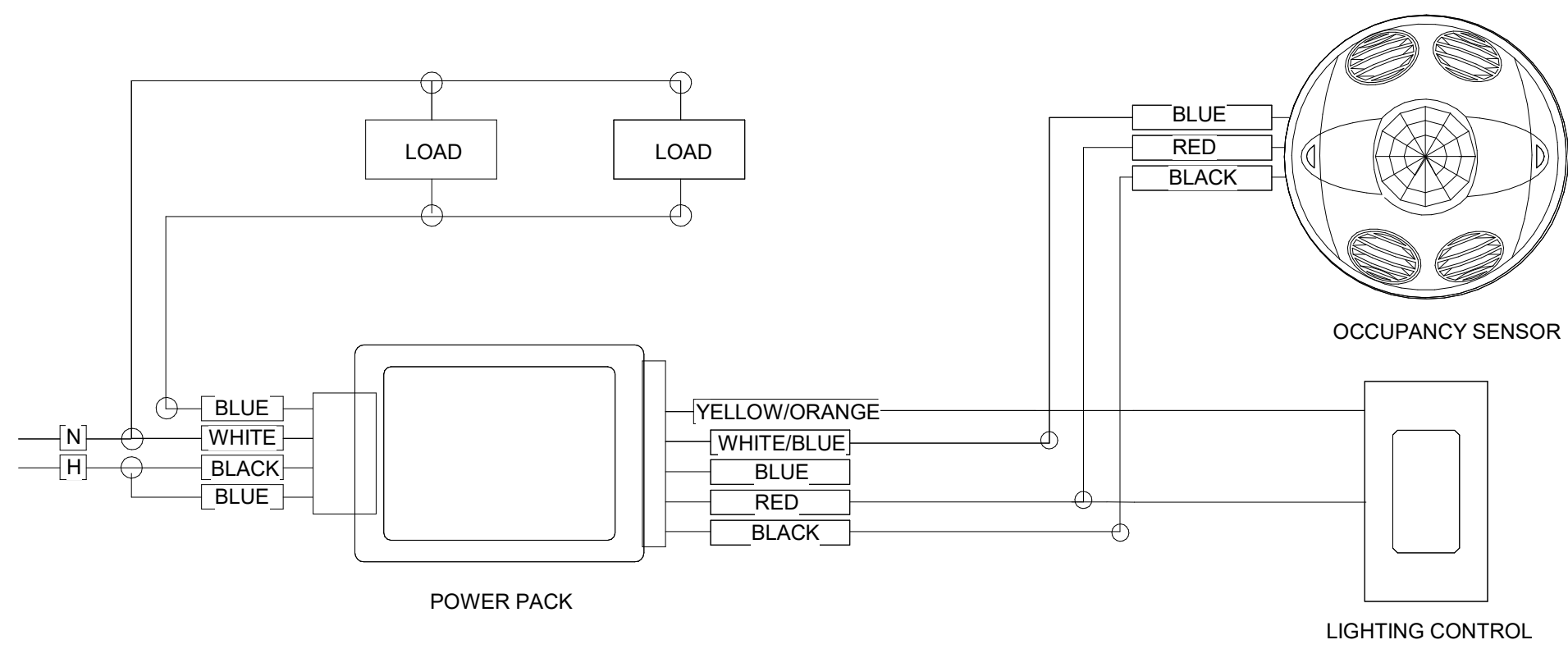
Reconstruction to:
Plattekill Elementary School

Roof Power, Communications and Fire Alarm Plan

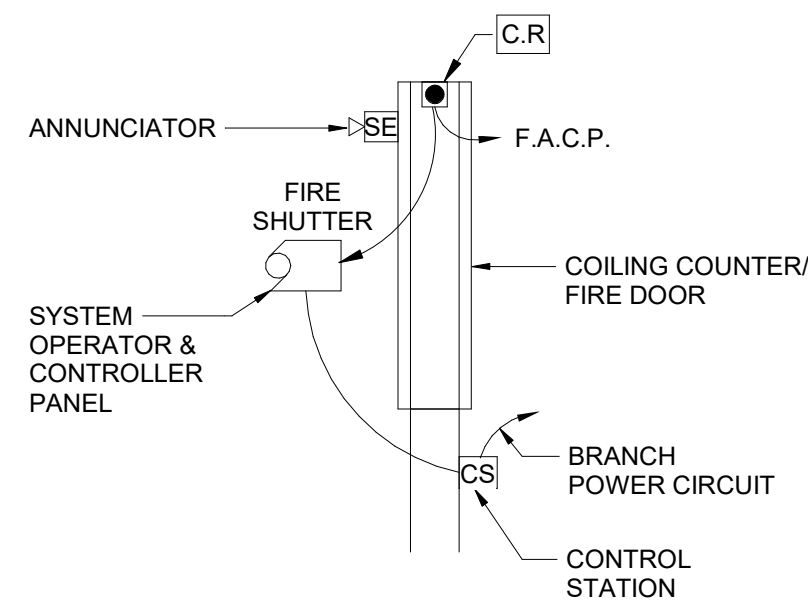
Drawn By: GLK/ded	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001	DE161	



3 Typical Troffer Detail
NTS

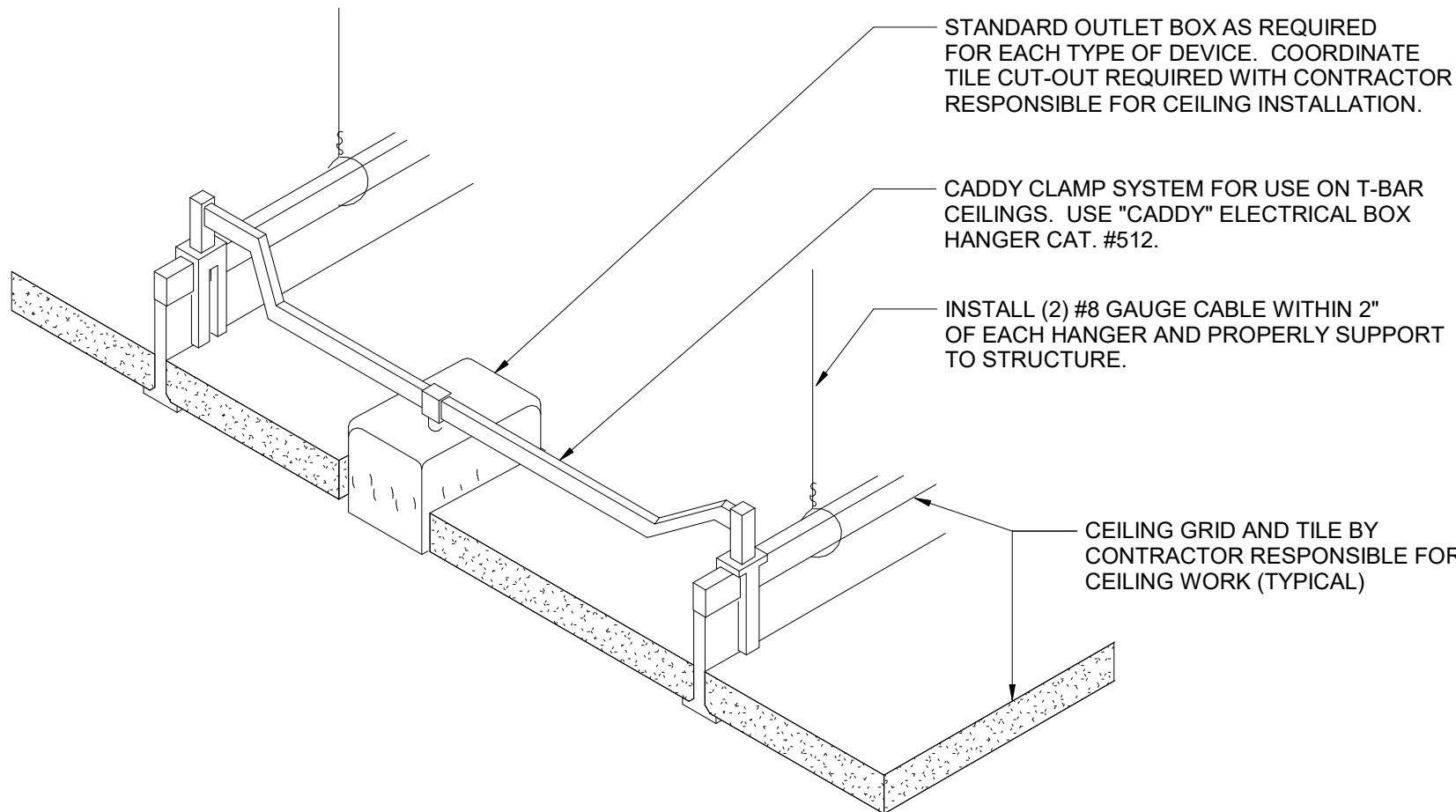


1 Occupancy Sensor Wiring Diagram
NTS



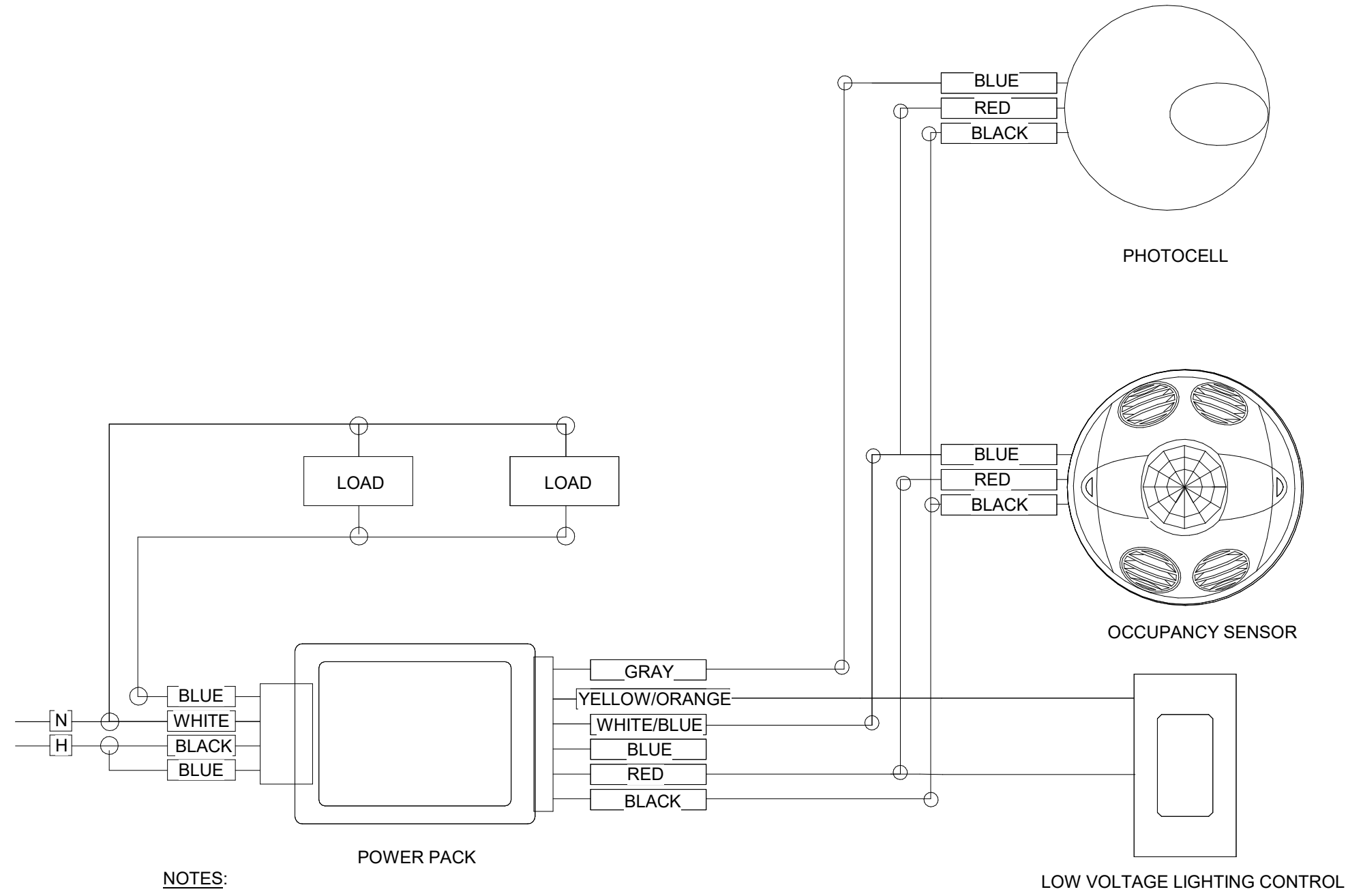
- NOTES:
1. INSTALL THE FOLLOWING EQUIPMENT, FURNISHED BY OTHERS:
 - CONTROL STATION(S)
 - ANNUNCIATOR(S)
 2. PROVIDE A BRANCH CIRCUIT (INDICATED ON PLAN) TO SYSTEM OPERATOR VIA THE CONTROL STATION.
 3. PROVIDE A 24 VDC CONNECTION FROM THE F.A.C.P. TO THE RELEASE DEVICE(S).
 4. PROPERLY PROGRAM F.A.C.P. TO SIGNAL RELEASE DEVICE TO OPERATE WHEN A FIRE DETECTION APPLIANCE IN THE ADJOINING SPACES SERVED BY ROLLING FIRE DOOR(S) ARE INITIATED.
 5. REFER TO PANEL SCHEDULES FOR FURTHER INFORMATION.

5 Fire Shutter Detail
12" = 1'-0"

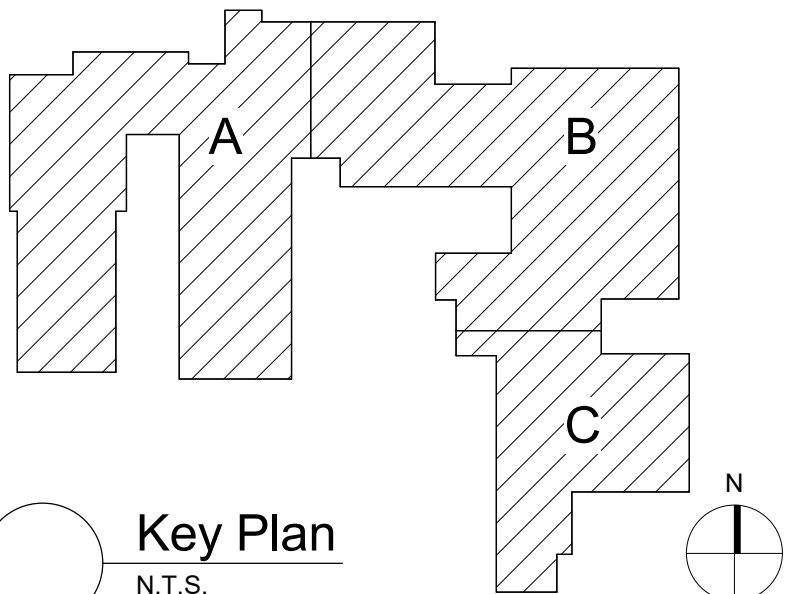


- DETAIL NOTES:
- A. IN AREAS RECEIVING NEW CEILINGS ALL CEILING MOUNTED ITEMS (DETECTORS, SPEAKERS, ETC) ARE TO BE CENTERED WITHIN THE PATTERN OF THE CEILING PANEL. A 2'X4' PANEL SCORED TO A 2'X2' PATTERN SHALL HAVE ITEMS CENTERED IN THE 2'X2' PORTION.
 - B. PROVIDE ADDITIONAL SUPPORT FOR EXIT SIGNS, WHERE REQUIRED.

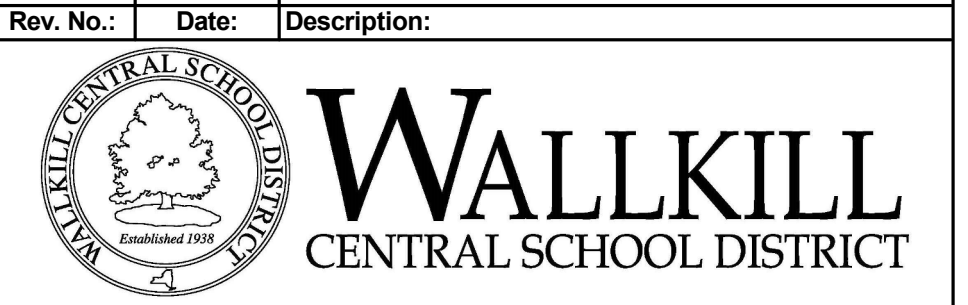
4 Ceiling Mounted Device Detail
NTS



2 Daylight Responsive Controls Wiring Diagram
NTS



S.E.D. Control No. 62-18-01-06-0-005-015



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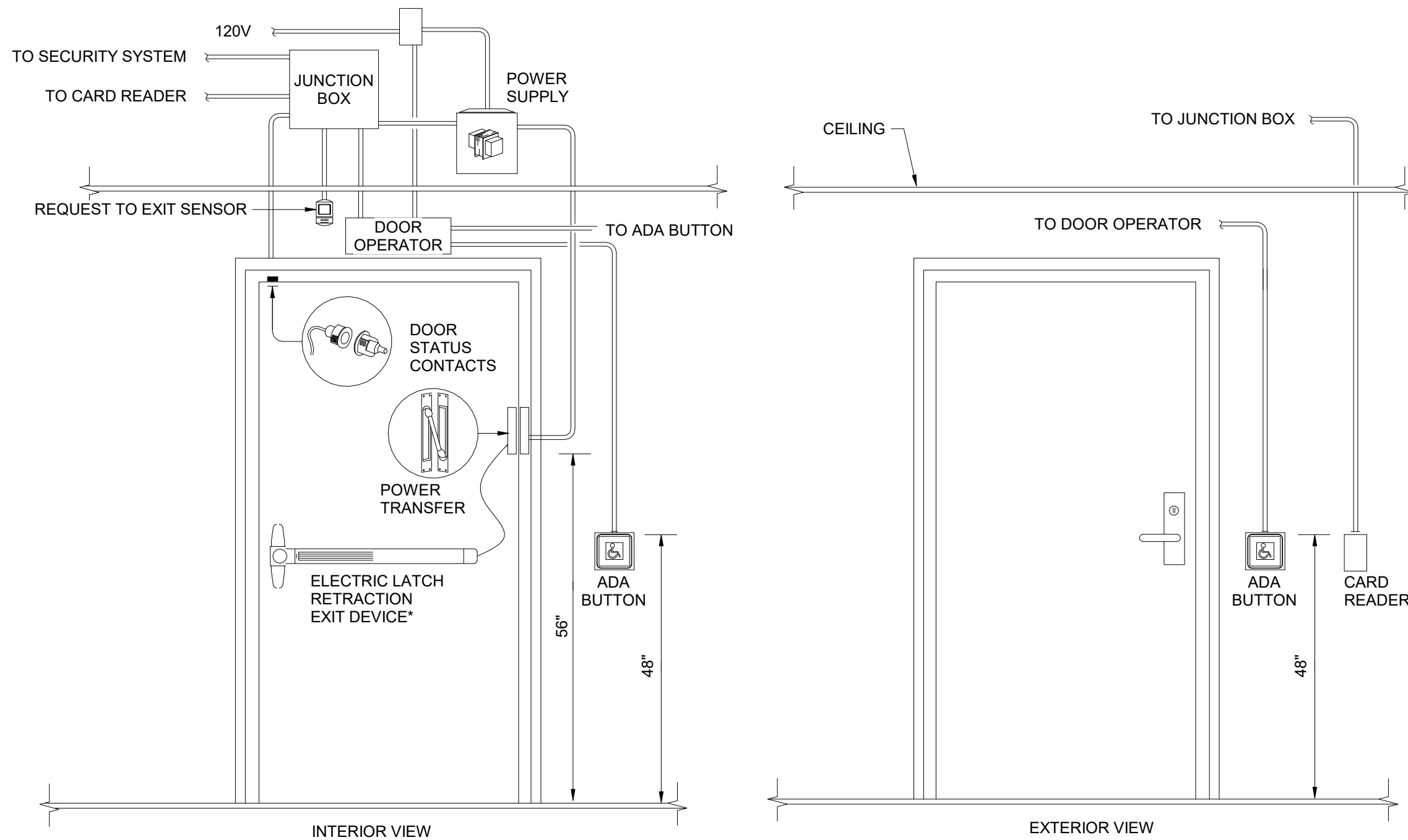


Wallkill Central School District
Wallkill, New York

Reconstruction to:
Plattekill Elementary School

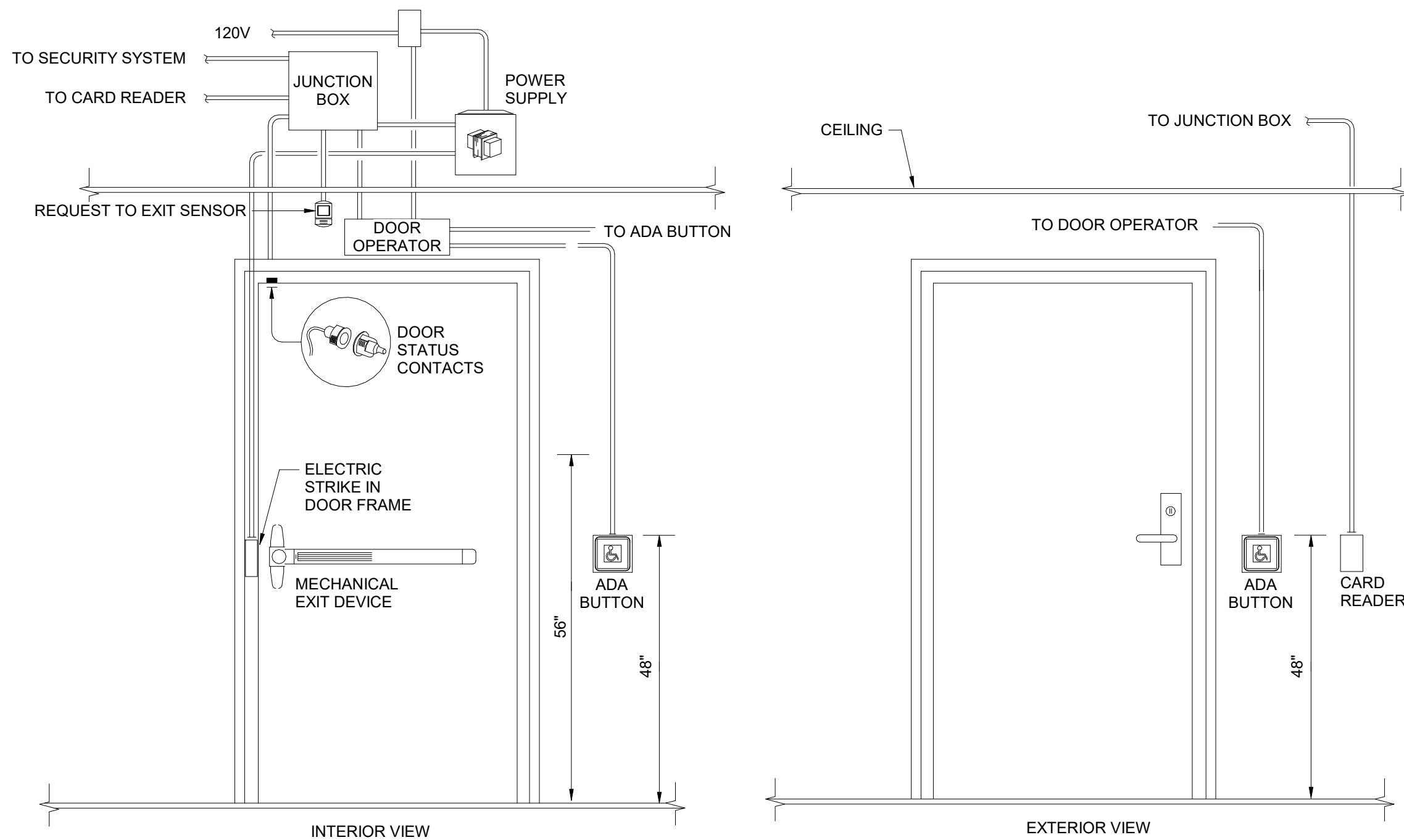
Details

Drawn By: CR	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001	DE500	



*NOTE:
PANIC HARDWARE SHALL ALWAYS REMAIN FULLY OPERATIONAL MANUALLY, NO MATTER WHAT THE STATUS OF ELECTRIC LATCH.
SEE SPECIFICATION SECTION ##### FOR FURTHER INFORMATION.

Single Door Configuration with ELR Hardware and ADA Operator
No Scale (VIEW MAY BE MIRRORED)

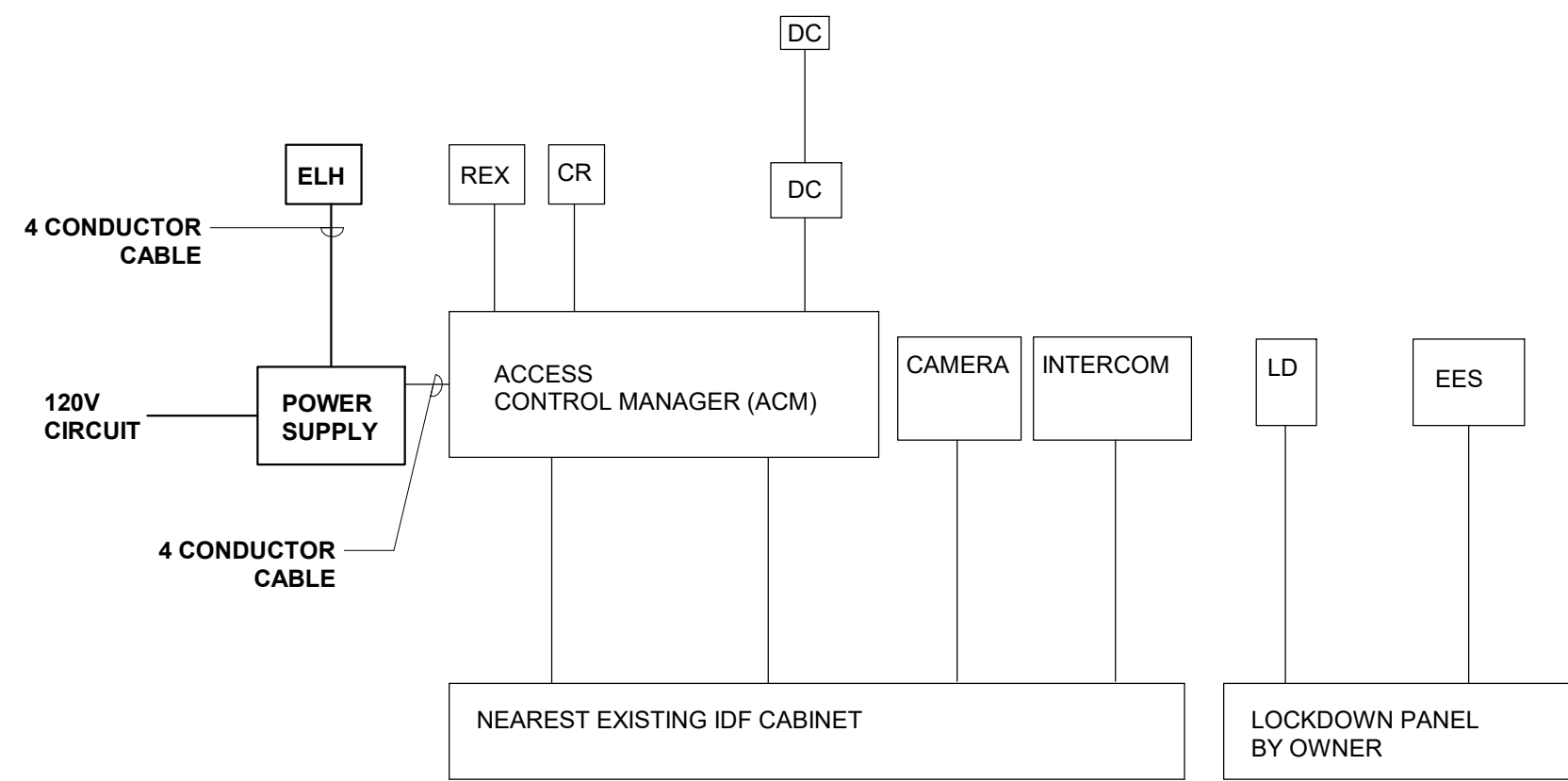


NOTE:
PANIC HARDWARE SHALL ALWAYS REMAIN FULLY OPERATIONAL MANUALLY, NO MATTER WHAT THE STATUS OF ELECTRIC LATCH.
SEE SPECIFICATION SECTION ##### FOR FURTHER INFORMATION.

Single Door Configuration with Strike Hardware and ADA Operator
No Scale (VIEW MAY BE MIRRORED)

1 Door Configurations

12" = 1'-0"

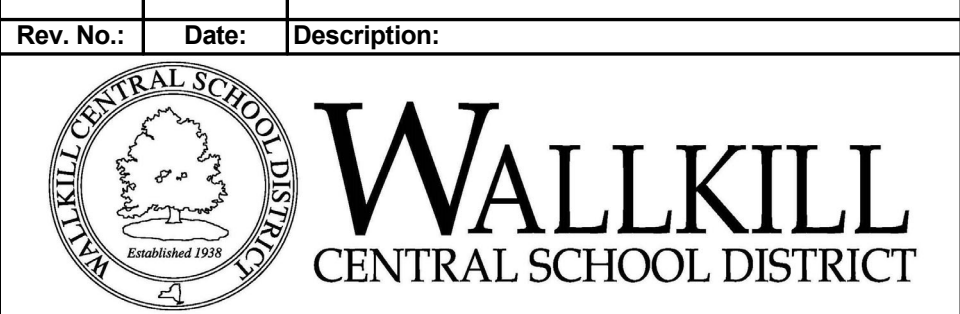


- A. QUANTITY OF DEVICES VARY, REFER TO FLOOR PLAN DRAWINGS.
- B. REFER TO FLOOR PLAN DRAWINGS FOR 120V CIRCUIT PANEL LOCATION.
- C. ALL DOOR CONTACTS IN AN OPENING ARE WIRED AS ONE GROUP.
- D. ALL ACCESS CONTROL EQUIPMENT, CONDUITS, BACK BOXES, AND CABLES SHOWN IN GREY ARE PROVIDED BY OTHERS. ELECTRICAL CONTRACTOR TO PROVIDE POWER TO POWER SUPPLY AND FROM POWER SUPPLY TO ELH AND ACM WORK SHOWN IN BOLD

2 Access Control Diagram

12" = 1'-0"

S.E.D. Control No. 62-18-01-06-0-005-015



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Wallkill Central School District
Wallkill, New York

Reconstruction to:
Plattekill Elementary School

Details

Drawn By: CR	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001		DE501

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LUMINAIRE SCHEDULE

TYPE	SYMBOL	DESCRIPTION	LAMPS			MANUFACTURERS (OR EQUAL)	
			WATTAGE	LUMENS	TYPE	NAME	MODEL OR SERIES
1 EM		2' x 2' FLAT PANEL (RECESSED IN GRID) - WITH INTEGRAL BATTERY	16	2000	LED	SIGNIFY (DAY-BRITE)	2FPZ20L835-2-DS-UNV-DIM
2		2' x 2' FLAT PANEL (RECESSED IN GRID)	29	3800	LED	SIGNIFY (DAY-BRITE)	2FPZ38L835-2-DS-UNV-DIM
3		2' x 2' FLAT PANEL (RECESSED IN GRID)	36	4500	LED	SIGNIFY (DAY-BRITE)	2FPZ45L835-2-DS-UNV-DIM
3EM		2' x 2' FLAT PANEL (RECESSED IN GRID) - WITH INTEGRAL BATTERY	36	4500	LED	SIGNIFY (DAY-BRITE)	2FPZ45L835-2-DS-UNV-DIM
4							

* MANUFACTURER AND MODEL NUMBER ARE PROVIDED TO SHOW BASIS OF DESIGN ONLY.

S.E.D. Control No. 62-18-01-06-0-005-015

Rev. No.:	Date:	Description:

WALLKILL

CENTRAL SCHOOL DISTRICT

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Wallkill Central School District

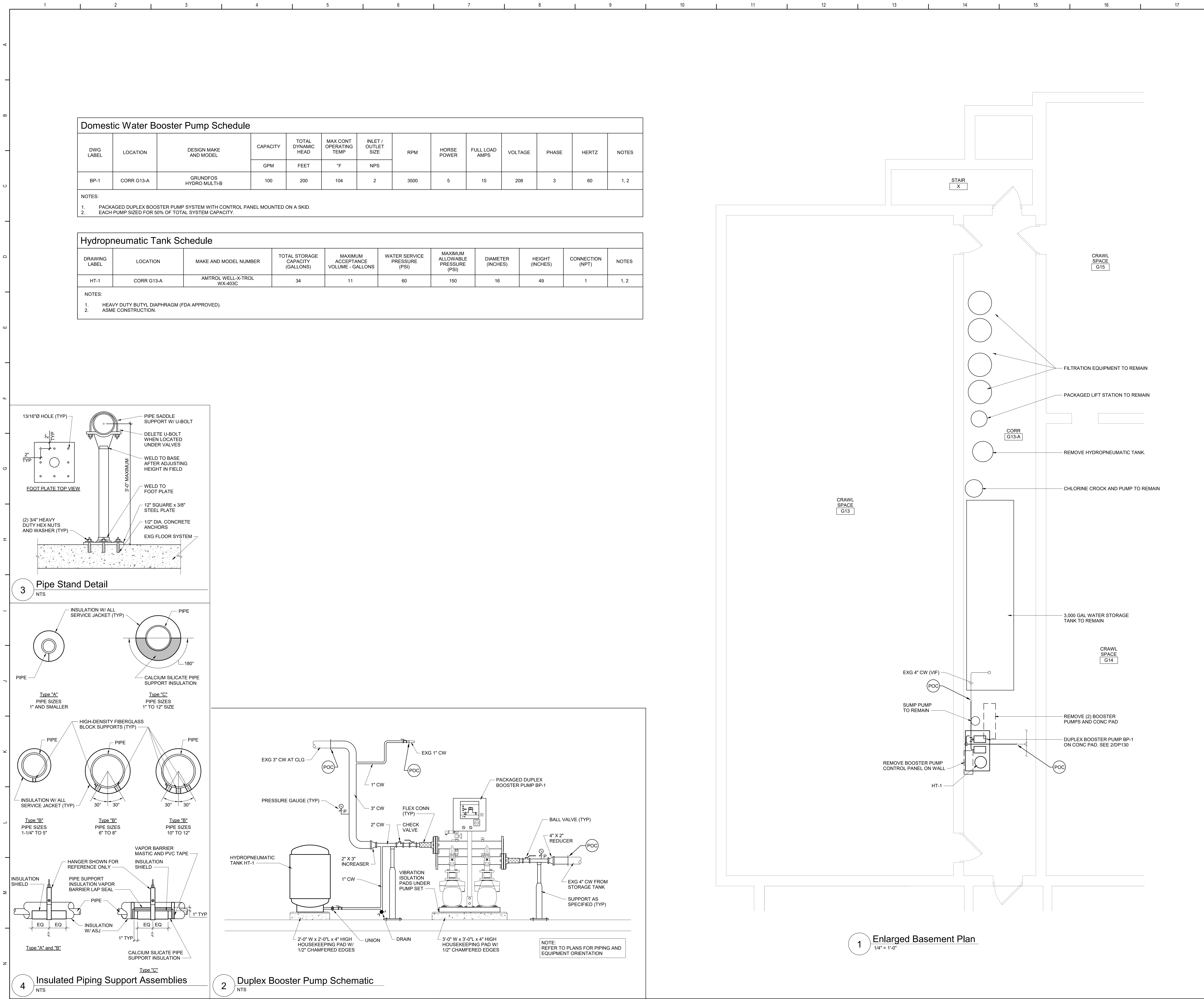
Wallkill, New York

Reconstruction to:

Plattekill Elementary School

Schedules

Drawn By: CR	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001		DE600



General Notes

A. VERIFY ALL PIPING LOCATIONS, SIZES, AND ARRANGEMENTS IN FIELD PRIOR TO BID. NOTIFY ARCHITECT IN WRITING OF ANY DISCREPANCIES.

B. VERIFY IN FIELD INVERT AND DIRECTION OF FLOW IN EXISTING SOIL PIPE WHERE NEW SOIL PIPE IS TO BE CONNECTED TO EXISTING SOIL PIPE.

C. LEGALLY DISPOSE OF ALL DEMOLITION DEBRIS.

D. INCLUDE TRENCHING, CUTTING AND PATCHING OF FLOORS, WALLS AND CEILINGS, INCLUDING CEILING TILE REMOVAL AND REPLACEMENT, WHEN REQUIRED FOR PLUMBING WORK. PATCH ABANDONED OPENINGS AND DISTURBED FINISHES TO MATCH EXISTING. TAKE PRECAUTIONS TO PROTECT STRUCTURAL INTEGRITY OF FLOOR OR WALLS WHEN TRENCHING OR CUTTING.

E. MATERIALS FOR PLUMBING INSTALLATION SHALL BE NEW, UNLESS SPECIFICALLY NOTED OTHERWISE.

F. PROVIDE THROUGH PENETRATION FIRESTOPPING FOR FIRE RATED WALLS AND FLOORS. PENETRATIONS THROUGH EXISTING WALLS AND FLOORS ARE CONSIDERED TWO-HOUR PARTITIONS UNLESS SPECIFICALLY NOTED OTHERWISE. REFER TO 'A' SERIES OR CODE COMPLIANCE DRAWINGS FOR LOCATION OF FIRE RATED WALLS AND FLOORS.

G. REMOVE ABANDONED ACCESSIBLE PIPING TO MAIN BRANCHES, STACKS OR RISERS AS REQUIRED TO ELIMINATE EXPOSED PIPING AND DEAD END PIPING RUNS LONGER THAN 1'-0". COORDINATE CONCEALMENT OF PIPING WITH FINAL CONSTRUCTION OF WALLS, FLOORS AND CEILINGS.

Key Plan
N.T.S.

S.E.D. Control No. 62-18-01-06-0-005-015

Rev. No.	Date	Description

WALLKILL
CENTRAL SCHOOL DISTRICT

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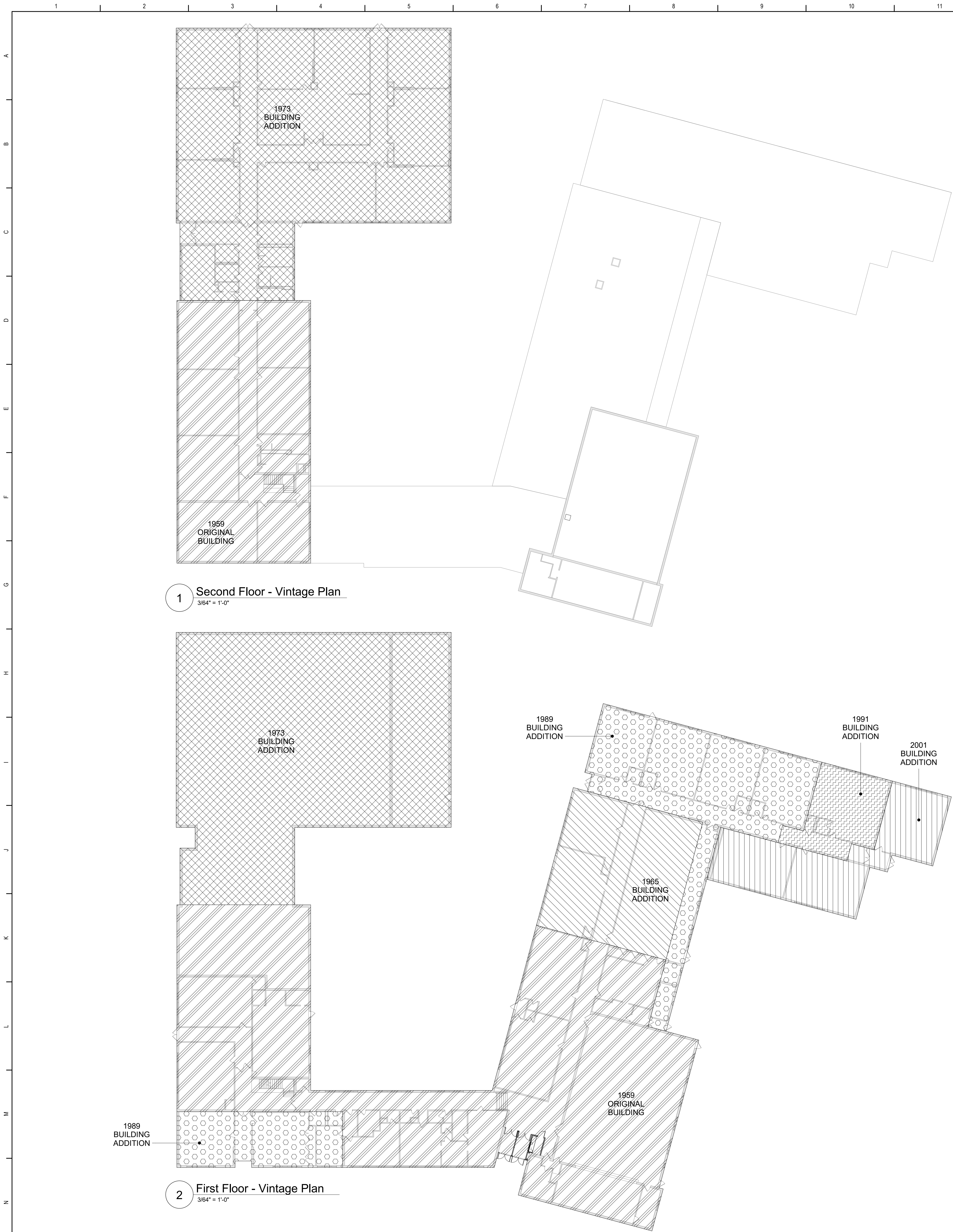
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Wallkill Central School District
Wallkill, New York

Reconstruction to:
Plattekill Elementary School

Enlarged Basement Plan, Schedule and Details

Drawn By: BCL	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001		DP130



Code Compliance Review

PROJECT LOCATION:
48 MILL STREET, WALKILL, NY 12589
BOUNDED BY BONA HEINSMAN LANE TO THE EAST, MILL STREET TO THE NORTH, AND NY INTERSTATE 87 TO THE WEST.

PROJECT DESCRIPTION:
THIS PROJECT INCLUDES THE RENOVATION OF THE MAIN ENTRANCE TO CREATE A SECURITY VESTIBULE INCLUDING A SECURITY OFFICE. THE PROJECT ALSO INCLUDES THE RECOATING AND SELECT REPLACEMENT OF THE EXISTING FOAM ROOF SYSTEM, ROOF STRUCTURE REINFORCEMENT AND ASSOCIATED CEILING WORK, AND REPLACEMENT OF DOOR HARDWARE WITH NEW LOCKDOWN HARDWARE.

WORK GENERALLY CONSISTS OF THE FOLLOWING:
ALTERATIONS - LEVEL 1
• LOCKDOWN DOOR HARDWARE UPGRADES
• ROOF RECOATING AND SELECT REPLACEMENT

ALTERATIONS - LEVEL 2
• RECONFIGURATION OF MAIN ENTRANCE FOR SECURITY
• ROOF STRUCTURAL REINFORCEMENT

APPLICABLE CODES AND STANDARDS:
BASED ON THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE INCLUDING APPLICABLE 2018 ICC CODES, 2020 BUILDING CODE OF NYS INCLUDING THE 2020 BCNYS, 2020 EBCNYS AND 2020 ECCNYS, ICC A117.1-09 STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES AND COMMISSIONER OF EDUCATIONS 155 REGULATIONS (SED MPS-98).

BUILDING DATA:
BUILDING: LEPTONDALE ELEMENTARY SCHOOL
48 MILL STREET
WALKILL, NY 12589
DESCRIPTION: TWO STORY MASONRY AND REINFORCED CONCRETE BUILDING.
YEAR BUILT: 1959 DREYER & CLARK ARCHITECTS
BUILDING AREA: 1ST FLOOR 35,957 SQFT
2ND FLOOR 22,891 SQFT
TOTAL GROSS AREA= 58,808 SQFT

CODE DATA SUMMARY:
USE GROUP: E : EDUCATION
CONSTRUCTION TYPE -
EXISTING: IIB
NEW: IIB
SPRINKLERED: NO
WORK AREA:

LOCATION	AREA	% OF TOTAL
1ST FLOOR	237 SQFT	0.40%
2ND FLOOR	0 SQFT	0%

CORRIDOR DOORS: ALL CORRIDOR DOORS SCHEDULED TO BE REPLACED SHALL HAVE MINIMUM FIRE DOOR ASSEMBLY RATING OF 20 MINUTES IN ACCORDANCE WITH SECTION 716.5

PATH OF CODE COMPLIANCE:
2018 IBCB CODES AND 2020 EXISTING BUILDING CODE OF NYS
301.1.2 WORK AREA COMPLIANCE METHOD
CHAPTER 6 - CLASSIFICATION OF WORK
602 ALTERATION - LEVEL 1 (CHAPTER 7)
603 ALTERATION - LEVEL 2 (CHAPTER 8)
NEW CONSTRUCTION WILL COMPLY WITH REQUIREMENTS OF 2018 ICC CODES, 2020 BUILDING CODE OF NYS INCLUDING THE 2020 BCNYS, 2020 EBCNYS AND 2020 ECCNYS, ICC A117.1-09 STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES AND COMMISSIONER OF EDUCATIONS 155 REGULATIONS (SED MPS-98).
EXIT TRAVEL DISTANCE (PER TABLE 1017.2):
FOR EXIT TRAVEL DISTANCE - SEE BG351.
CORRIDOR ENCLOSURES (PER TABLE 1020.1):
FOR CORRIDOR FIRE RESISTANCE - SEE ENLARGED PLANS, PARTITION TYPES AND DOOR SCHEDULE.
ALL GROSS CORRIDOR PARTITIONS ARE SMOKE PARTITIONS AND EXTEND FROM FINISH FLOOR TO DECK ABOVE.

UL DESIGN NUMBERS:

1 HR. STUD PARTITIONS UL# U465
NOTES:
1. RATING PROVIDED BY 4" SOLID CONCRETE MASONRY UNITS - DETERMINATION OF EQUIVALENT THICKNESS OF CMU REQUIRED IS BASED ON SECTION 721 PRESCRIPTIVE FIRE RESISTANCE, TABLE 721.1 (2) RATED FIRE RESISTANCE PERIODS FOR VARIOUS WALLS AND PARTITIONS, ITEM NUMBER 3-1.2
2. ALL CMU CONSTRUCTION SHALL MEET FIRE RESISTANCE REQUIREMENTS INDICATED IN CHART OF SAME NAME ABOVE, BLOCK TYPE AS REQUIRED TO COMPLY WITH UL DESIGN NUMBERS AND AS REQUIRED TO COMPLY WITH RATED WALLS INDICATED ON CODE COMPLIANCE DRAWINGS. PROVIDE MINIMUM 4" SOLID CMU AT SUCH LOCATIONS REGARDLESS IF NOTED AS SUCH ON PLAN DETAILS.

INTERIOR FINISH REQUIREMENTS:

ALL FINISHES IN CORRIDORS AND ASSEMBLY SPACES SHALL HAVE A FIRE HAZARD CLASSIFICATION PER MANUAL OF PLANNING STANDARDS SECTION S202-2, a. THROUGH e.

RESCUE LABEL / SIGNAGE NOTES:

- REFER TO PLANS FOR RESCUE WINDOW LOCATIONS.
- REFER TO SPECIFICATION SECTION 10 14 00 AND SIGNAGE DRAWINGS FOR TYPES AND LOCATIONS.

General Code Notes

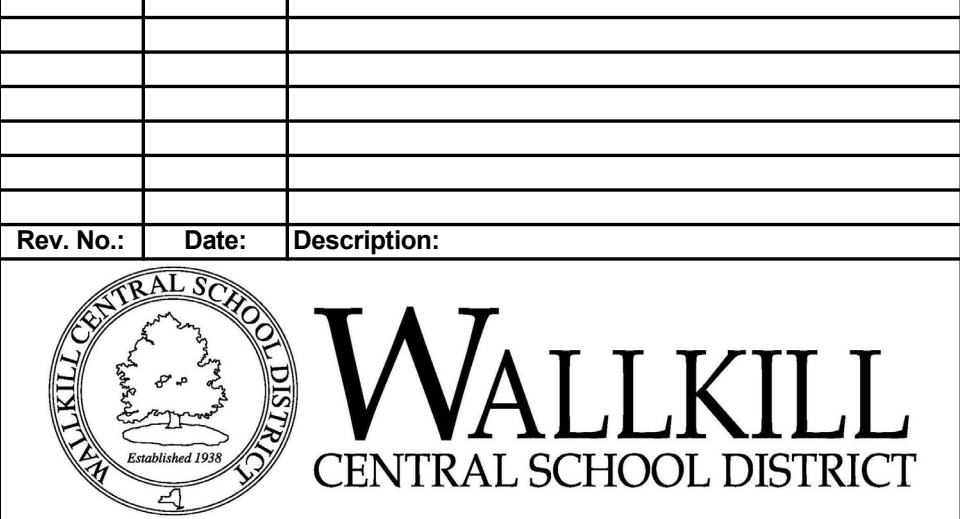
- COORDINATE WITH FLOOR PLANS, WALL SECTIONS AND PARTITION TYPES FOR RATED WALL TYPES AND LOCATIONS. IMMEDIATELY NOTIFY ARCHITECT OF ANY WALL RATING DISCREPANCIES BETWEEN DRAWINGS.
- ALL WALLS, INCLUDING AT CORRIDORS, SHALL EXTEND COMPLETELY TO THE UNDERSIDE OF DECKING, SUPPORTING STRUCTURE OR ROOF ABOVE, TYPICAL UNLESS NOTED OTHERWISE.
- AT AREAS OF PROJECT WORK, COMPLETELY SEAL ALL PENETRATIONS REQUIRED TO COMPLY WITH FIRE RESISTANCE RATINGS IDENTIFIED ON THE DRAWINGS, REGARDLESS IF WALL IS NEW OR EXISTING, TYPICAL UNLESS NOTED OTHERWISE.

Legend

ALL WALLS, INCLUDING CORRIDOR WALLS, EXTEND TO THE ROOF DECK OR FLOOR DECK ABOVE UNLESS NOTED OTHERWISE.

- 1-HOUR FIRE PARTITION
- RW RESCUE WINDOW
- 1959 ORIGINAL BUILDING
 - 1965 BUILDING ADDITION
 - 1973 BUILDING ADDITION
 - 1989 BUILDING ADDITION
 - 1991 BUILDING ADDITION
 - 2001 BUILDING ADDITION

S.E.D. Control No. 62-18-01-06-0-001-019



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

BID SET



Walkkill Central School District
Walkill, New York

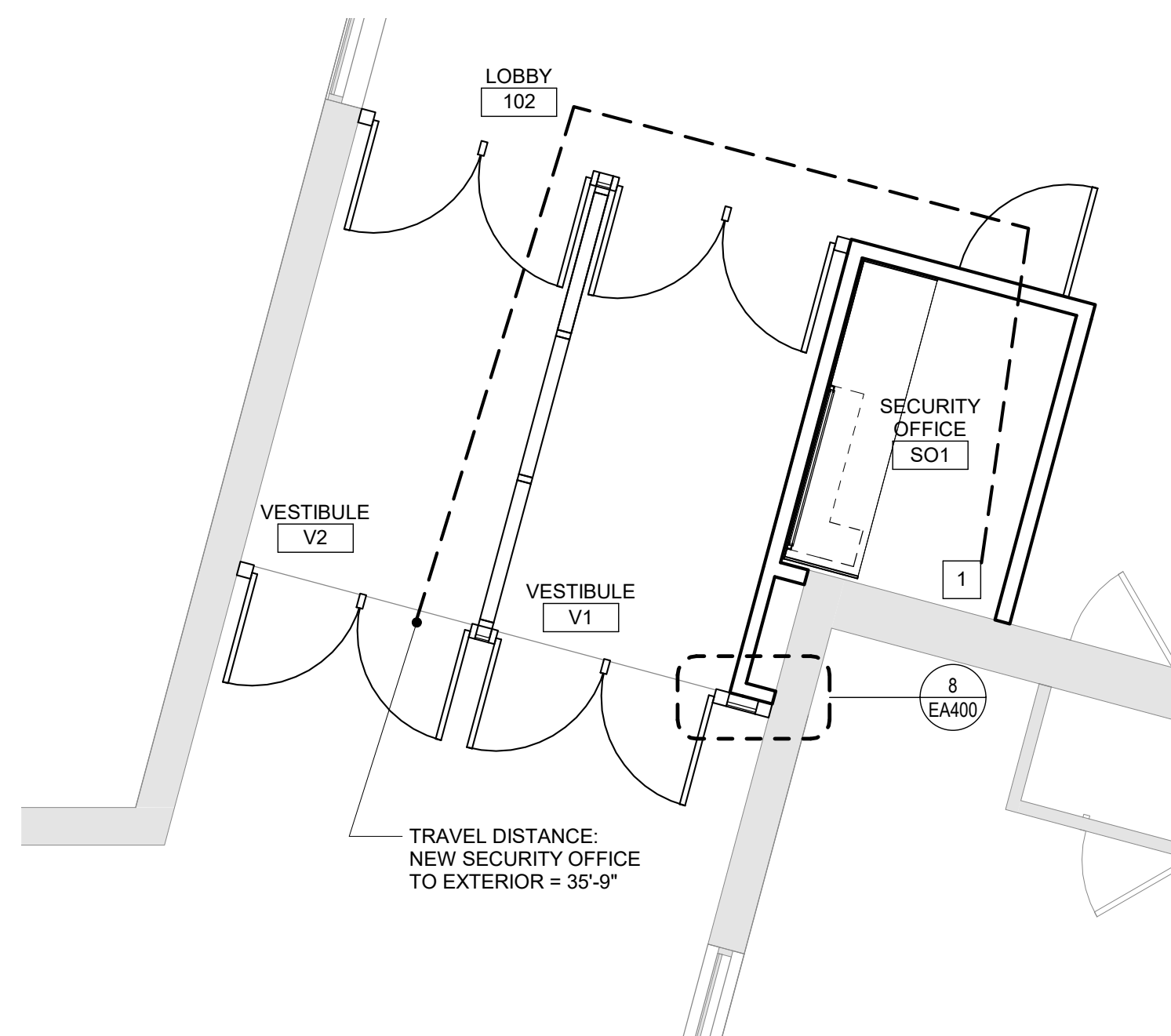
Reconstruction to:
Leptondale Elementary School

Code Compliance Review

Drawn By: Author	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001	EG350	



1 1st Floor Key Plan - Work Areas and Rescue Window Locations
1/16" = 1'-0"



2 Enlarged Plan - Entrance Work Area
1/4" = 1'-0"

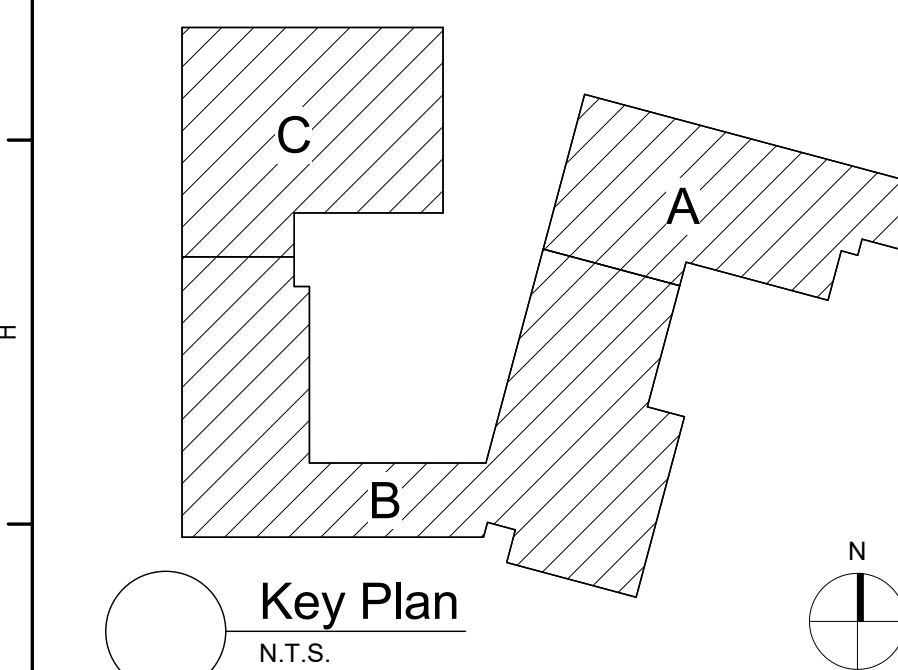
General Code Notes

- COORDINATE WITH FLOOR PLANS, WALL SECTIONS AND PARTITION TYPES FOR RATED WALL TYPES AND LOCATIONS. IMMEDIATELY NOTIFY ARCHITECT OF ANY WALL RATING DISCREPANCIES BETWEEN DRAWINGS.
- ALL WALLS, INCLUDING AT CORRIDORS, SHALL EXTEND COMPLETELY TO THE UNDERSIDE OF DECKING, SUPPORTING STRUCTURE OR ROOF ABOVE, TYPICAL UNLESS NOTED OTHERWISE.
- AT AREAS OF PROJECT WORK, COMPLETELY SEAL ALL PENETRATIONS REQUIRED TO COMPLY WITH FIRE RESISTANCE RATINGS IDENTIFIED ON THE DRAWINGS, REGARDLESS IF WALL IS NEW OR EXISTING, TYPICAL UNLESS NOTED OTHERWISE.

Legend

ALL WALLS, INCLUDING CORRIDOR WALLS, EXTEND TO THE ROOF DECK OR FLOOR DECK ABOVE UNLESS NOTED OTHERWISE.

- 1-HOUR FIRE PARTITION
- RW RESCUE WINDOW
- 1959 ORIGINAL BUILDING
 - 1965 BUILDING ADDITION
 - 1973 BUILDING ADDITION
 - 1989 BUILDING ADDITION
 - 1991 BUILDING ADDITION
 - 2001 BUILDING ADDITION



S.E.D. Control No. 62-18-01-06-0-001-019

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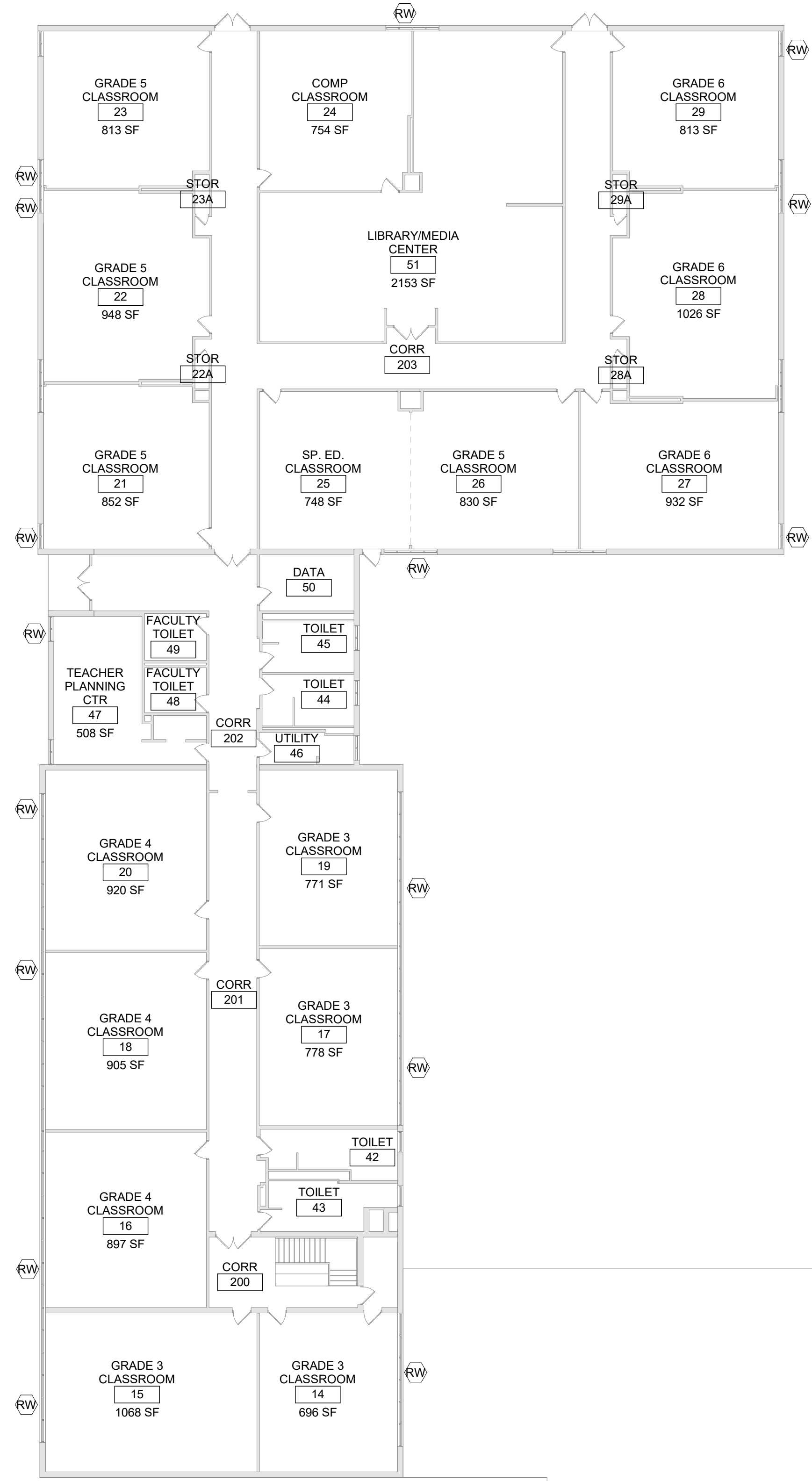


Walkkill Central School District
Walkkill, New York

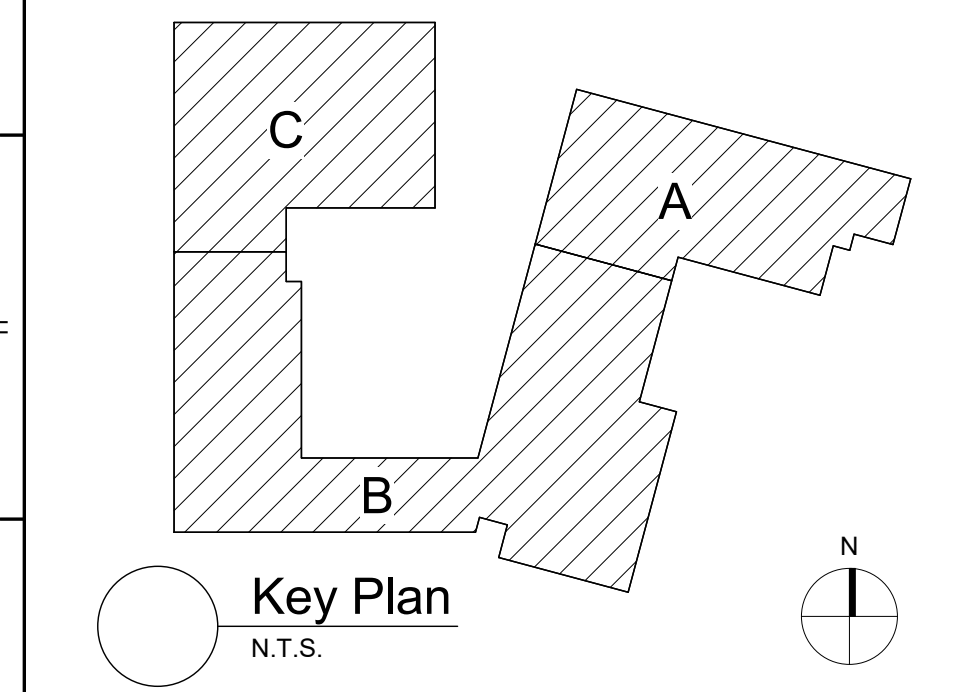
Reconstruction to:
Leptondale Elementary School

First Floor - Scope of Work and Rescue
Window Locations

Drawn By: Author: Date: 11/4/2022 Drawing Number:
Project No.: 17597-22001 EG351



1 2nd Floor Key Plan - Rescue Window Locations
1/16" = 1'-0"



S.E.D. Control No. 62-18-01-06-0-001-019

Rev. No.:	Date:	Description:
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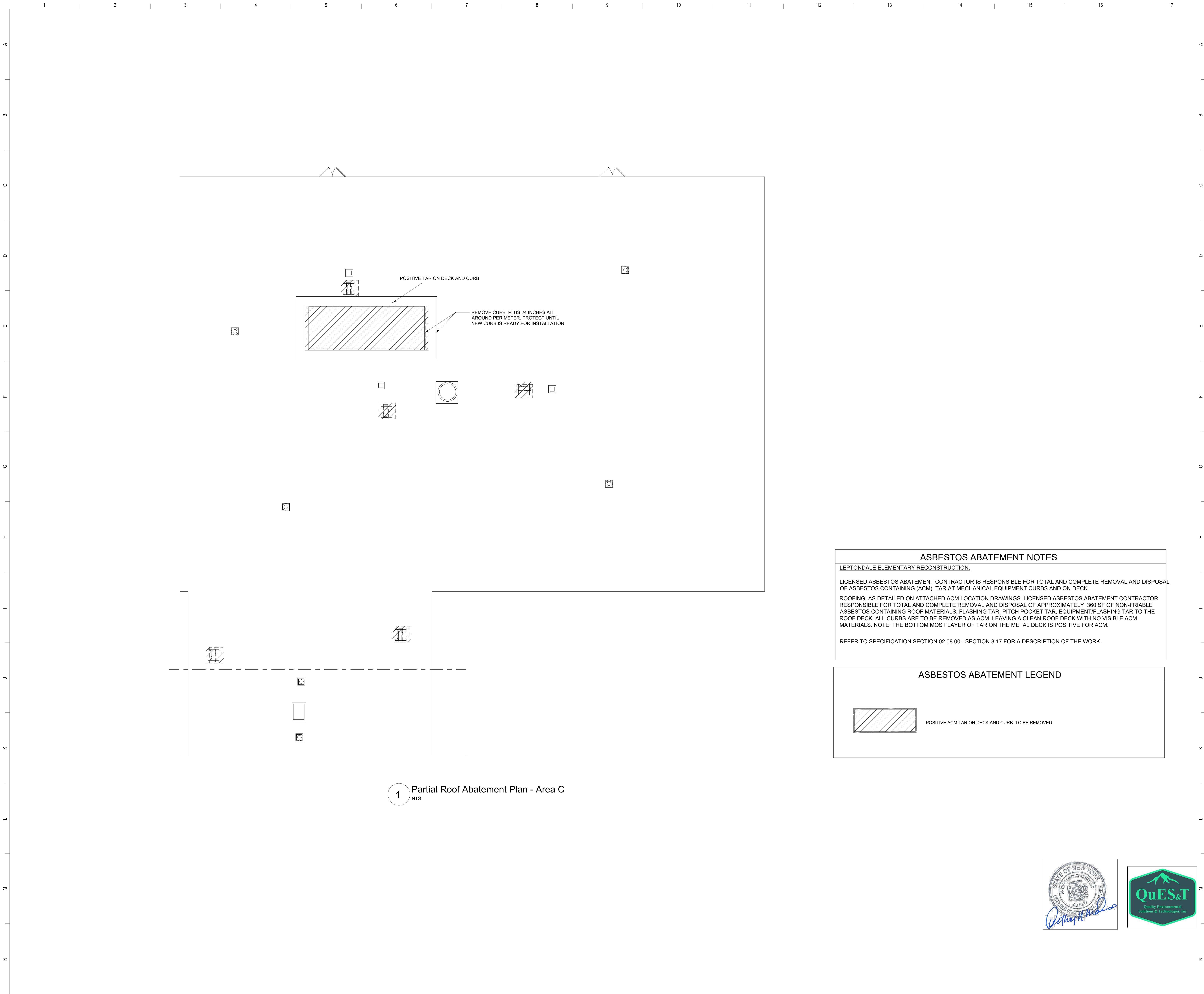


Wallkill Central School District
Wallkill, New York

Reconstruction to:
Leptondale Elementary School

Second Floor - Rescue Window
Locations

Drawn By: Author	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001		EG352



1 Partial Roof Abatement Plan - Area C
NTS

ASBESTOS ABATEMENT NOTES

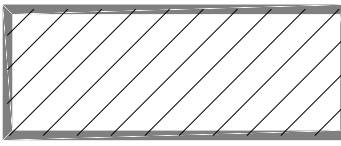
LEPTONDALE ELEMENTARY RECONSTRUCTION:

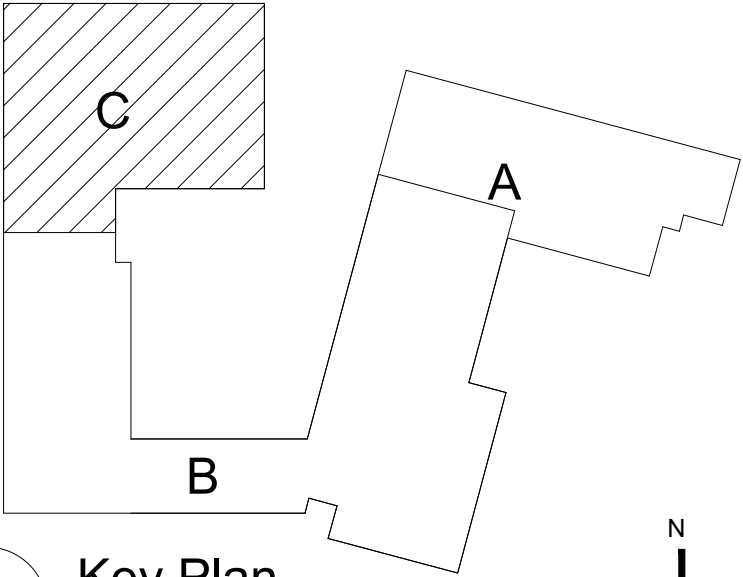
LICENSED ASBESTOS ABATEMENT CONTRACTOR IS RESPONSIBLE FOR TOTAL AND COMPLETE REMOVAL AND DISPOSAL OF ASBESTOS CONTAINING (ACM) TAR AT MECHANICAL EQUIPMENT CURBS AND ON DECK.

ROOFING, AS DETAILED ON ATTACHED ACM LOCATION DRAWINGS. LICENSED ASBESTOS ABATEMENT CONTRACTOR RESPONSIBLE FOR TOTAL AND COMPLETE REMOVAL AND DISPOSAL OF APPROXIMATELY 360 SF OF NON-FRIABLE ASBESTOS CONTAINING ROOF MATERIALS, FLASHING TAR, PITCH POCKET TAR, EQUIPMENT/FLASHING TAR TO THE ROOF DECK. ALL CURBS ARE TO BE REMOVED AS ACM. LEAVING A CLEAN ROOF DECK WITH NO VISIBLE ACM MATERIALS. NOTE: THE BOTTOM MOST LAYER OF TAR ON THE METAL DECK IS POSITIVE FOR ACM.

REFER TO SPECIFICATION SECTION 02 08 00 - SECTION 3.17 FOR A DESCRIPTION OF THE WORK.

ASBESTOS ABATEMENT LEGEND

 POSITIVE ACM TAR ON DECK AND CURB TO BE REMOVED



Key Plan
N.T.S.

S.E.D. Control No. 62-18-01-06-0-001-019



BID SET

Quality Environmental Solutions & Technologies, Inc.
1298 NYS Route 9
Wappingers Falls, NY 12590
Tel: (845) 298-6031

Wallkill Central School District
Wallkill, New York

Reconstruction to:
Leptondale Elementary School

Partial Roof Abatement Plan - Area C

Drawn By: AMLG	Date: 11/4/2022	Drawing Number: EHAZ105
Project No.: 17597-22001		

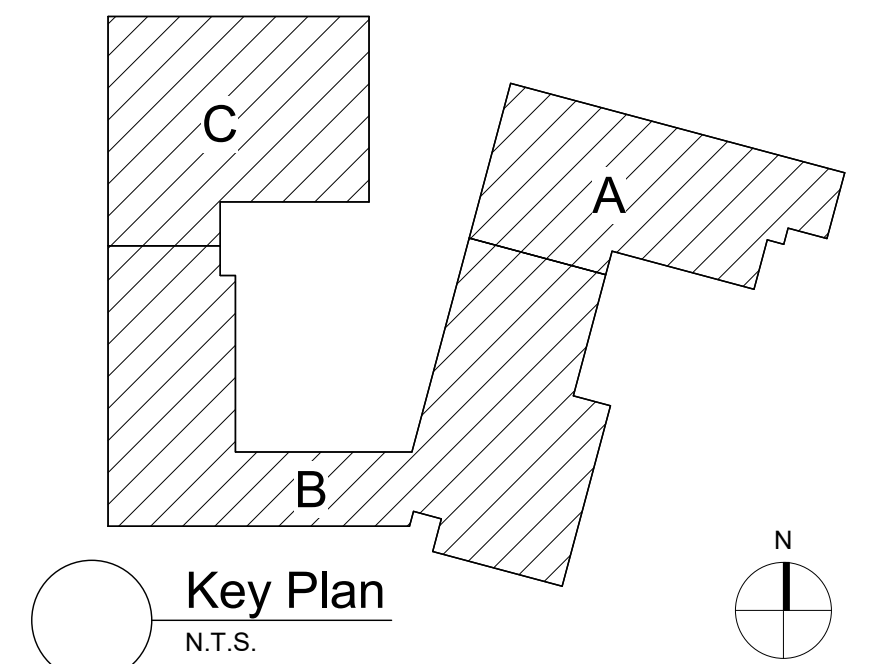




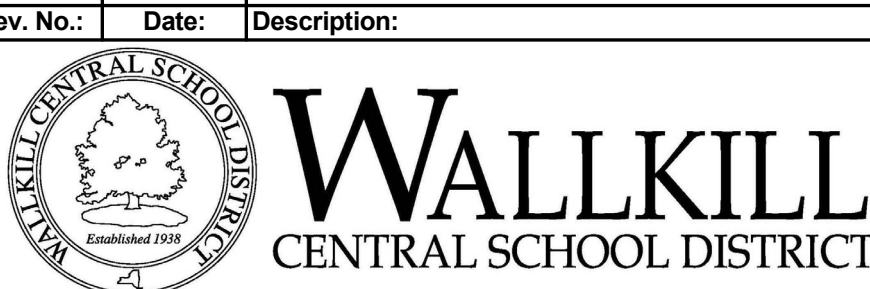
1 First Floor - Key Plan
1/16" = 1'-0"

General Notes - Applies to All Drawings

- A. DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS.
- B. TAKE FIELD MEASUREMENTS TO FIT THE WORK PROPERLY. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD.
- C. REFER INCONSISTENCIES TO ARCHITECT PRIOR TO COMMENCING THE WORK IN AFFECTED AREA.
- D. ITEMS ARE SHOWN DIAGRAMMATICALLY ON DRAWINGS. VERIFY SPACE REQUIREMENTS AND DIMENSIONS TO FIT THE WORK PROPERLY.
- E. NOTES SHOWN ON ONE DRAWING APPLY TO ALL SIMILAR DRAWINGS.
- F. DO NOT DISTURB CONSTRUCTION SUSPECTED OF CONTAINING HAZARDOUS MATERIAL. IF ENCOUNTERED, IMMEDIATELY NOTIFY ARCHITECT, CONSTRUCTION MANAGER AND OWNER.



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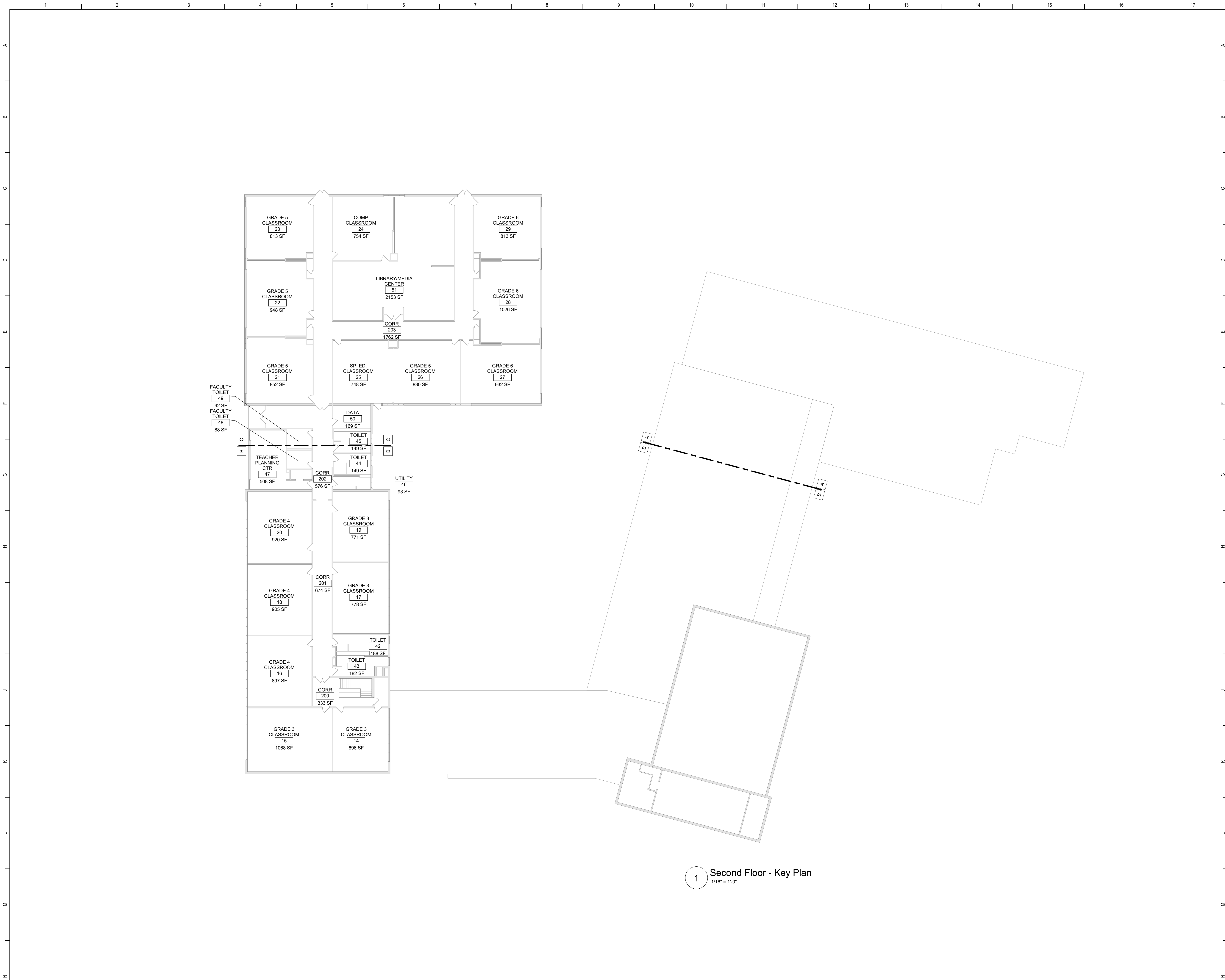


Wallkill Central School District
Wallkill, New York

Reconstruction to:
Leptondale Elementary School

First Floor Key Plan

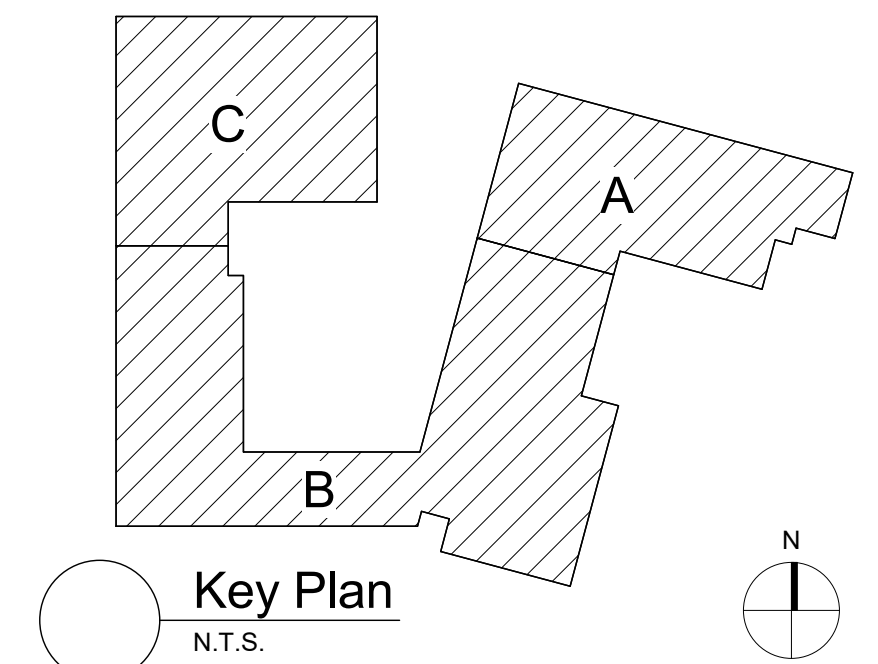
Drawn By: TTAE	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001	EA051	



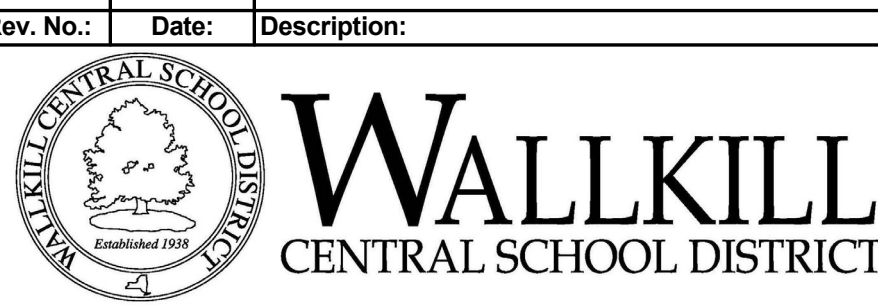
1 Second Floor - Key Plan
1/16" = 1'-0"

General Notes - Applies to All Drawings

- A. DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS.
- B. TAKE FIELD MEASUREMENTS TO FIT THE WORK PROPERLY. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD.
- C. REFER INCONSISTENCIES TO ARCHITECT PRIOR TO COMMENCING THE WORK IN AFFECTED AREA.
- D. ITEMS ARE SHOWN DIAGRAMMATICALLY ON DRAWINGS. VERIFY SPACE REQUIREMENTS AND DIMENSIONS TO FIT THE WORK PROPERLY.
- E. NOTES SHOWN ON ONE DRAWING APPLY TO ALL SIMILAR DRAWINGS.
- F. DO NOT DISTURB CONSTRUCTION SUSPECTED OF CONTAINING HAZARDOUS MATERIAL. IF ENCOUNTERED, IMMEDIATELY NOTIFY ARCHITECT, CONSTRUCTION MANAGER AND OWNER.



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BID SET

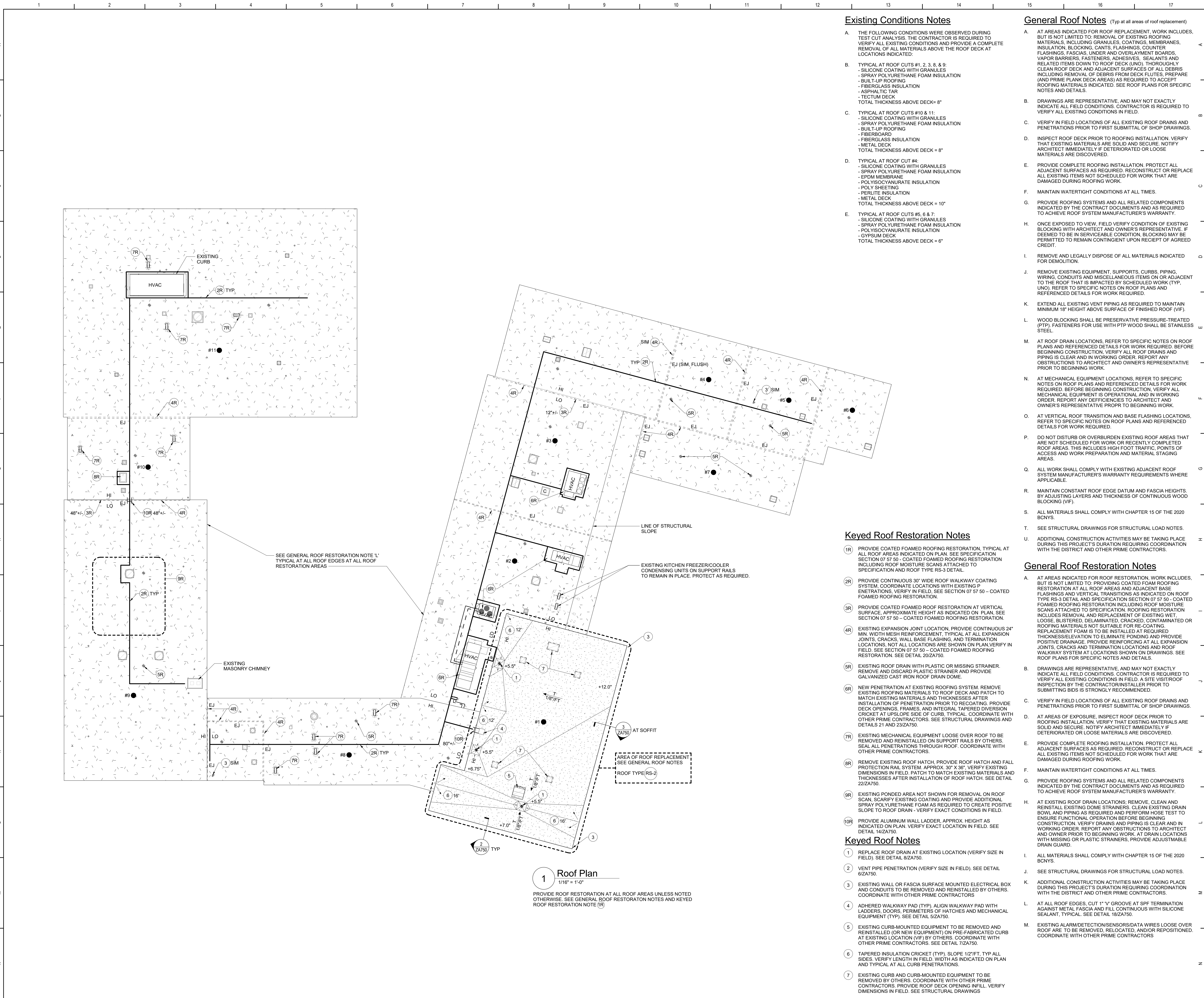


Wallkill Central School District
Wallkill, New York

Reconstruction to:
Leptondale Elementary School

Second Floor Key Plan

Drawn By: TTAE	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001	EA052	



Existing Conditions Notes

- A. THE FOLLOWING CONDITIONS WERE OBSERVED DURING TEST CUT ANALYSIS. THE CONTRACTOR IS REQUIRED TO VERIFY ALL EXISTING CONDITIONS AND PROVIDE A COMPLETE REMOVAL OF ALL MATERIALS ABOVE THE ROOF DECK AT LOCATIONS INDICATED.
- B. TYPICAL AT ROOF CUTS #1, 2, 3, 8, & 9:
- SILICONE COATING WITH GRANULES
- SPRAY POLYURETHANE FOAM INSULATION
- BUILT-UP ROOFING
- FIBERGLASS INSULATION
- ASPHALTIC TAR
- TECTUM DECK
TOTAL THICKNESS ABOVE DECK= 8"
- C. TYPICAL AT ROOF CUTS #10 & 11:
- SILICONE COATING WITH GRANULES
- SPRAY POLYURETHANE FOAM INSULATION
- BUILT-UP ROOFING
- FIBERBOARD
- FIBERGLASS INSULATION
- METAL DECK
TOTAL THICKNESS ABOVE DECK = 8"
- D. TYPICAL AT ROOF CUT #4:
- SILICONE COATING WITH GRANULES
- SPRAY POLYURETHANE FOAM INSULATION
- EPDM MEMBRANE
- POLYISOCYANURATE INSULATION
- POLY SHEETING
- PERLITE INSULATION
- METAL DECK
TOTAL THICKNESS ABOVE DECK = 10"
- E. TYPICAL AT ROOF CUTS #5, 6 & 7:
- SILICONE COATING WITH GRANULES
- SPRAY POLYURETHANE FOAM INSULATION
- POLYISOCYANURATE INSULATION
- GYPSUM DECK
TOTAL THICKNESS ABOVE DECK = 6"

General Roof Notes (Typ at all areas of roof replacement)

- A. AT AREAS INDICATED FOR ROOF REPLACEMENT, WORK INCLUDES, BUT IS NOT LIMITED TO: REMOVAL OF EXISTING ROOFING MATERIALS, INCLUDING GRANULES, COATINGS, MEMBRANES, INSULATION, BLOCKING, GANTS, FLASHINGS, COUNTER FLASHINGS, FASCIA, UNDER AND OVERLAYMENT BOARDS, VAPOR BARRIERS, FASTENERS, ADHESIVES, SEALANTS AND RELATED ITEMS DOWN TO ROOF DECK (UNO). THOROUGHLY CLEAN ROOF DECK AND ADJACENT SURFACES OF ALL DEBRIS INCLUDING REMOVAL OF DEBRIS FROM DECK FLUTES. PREPARE (AND PRIME FLANK DECK AREAS) AS REQUIRED TO ACCEPT ROOFING MATERIALS INDICATED. SEE ROOF PLANS FOR SPECIFIC NOTES AND DETAILS.
- B. DRAWINGS ARE REPRESENTATIVE, AND MAY NOT EXACTLY INDICATE ALL FIELD CONDITIONS. CONTRACTOR IS REQUIRED TO VERIFY ALL EXISTING CONDITIONS IN FIELD.
- C. VERIFY IN FIELD LOCATIONS OF ALL EXISTING ROOF DRAINS AND PENETRATIONS PRIOR TO FIRST SUBMITTAL OF SHOP DRAWINGS.
- D. INSPECT ROOF DECK PRIOR TO ROOFING INSTALLATION. VERIFY THAT EXISTING MATERIALS ARE SOLID AND SECURE. NOTIFY ARCHITECT IMMEDIATELY IF DETERIORATED OR LOOSE MATERIALS ARE DISCOVERED.
- E. PROVIDE COMPLETE ROOFING INSTALLATION. PROTECT ALL ADJACENT SURFACES AS REQUIRED. RECONSTRUCT OR REPLACE ALL EXISTING ITEMS NOT SCHEDULED FOR WORK THAT ARE DAMAGED DURING ROOFING WORK.
- F. MAINTAIN WATERTIGHT CONDITIONS AT ALL TIMES.
- G. PROVIDE ROOFING SYSTEMS AND ALL RELATED COMPONENTS INDICATED BY THE CONTRACT DOCUMENTS AND AS REQUIRED TO ACHIEVE ROOF SYSTEM MANUFACTURER'S WARRANTY.
- H. ONCE EXPOSED TO VIEW, FIELD VERIFY CONDITION OF EXISTING BLOCKING WITH ARCHITECT AND OWNER'S REPRESENTATIVE. IF DEEMED TO BE IN SERVICEABLE CONDITION, BLOCKING MAY BE PERMITTED TO REMAIN CONTINGENT UPON RECEIPT OF AGREED CREDIT.
- I. REMOVE AND LEGALLY DISPOSE OF ALL MATERIALS INDICATED FOR DEMOLITION.
- J. REMOVE EXISTING EQUIPMENT, SUPPORTS, CURBS, PIPING, WIRING, CONDUITS AND MISCELLANEOUS ITEMS ON OR ADJACENT TO THE ROOF THAT IS IMPACTED BY SCHEDULED WORK (TYP, UNO). REFER TO SPECIFIC NOTES ON ROOF PLANS AND REFERENCED DETAILS FOR WORK REQUIRED.
- K. EXTEND ALL EXISTING VENT PIPING AS REQUIRED TO MAINTAIN MINIMUM 18" HEIGHT ABOVE SURFACE OF FINISHED ROOF (VIF).
- L. WOOD BLOCKING SHALL BE PRESERVATIVE PRESSURE-TREATED (PTP). FASTENERS FOR USE WITH PTP WOOD SHALL BE STAINLESS STEEL.
- M. AT ROOF DRAIN LOCATIONS, REFER TO SPECIFIC NOTES ON ROOF PLANS AND REFERENCED DETAILS FOR WORK REQUIRED. BEFORE BEGINNING CONSTRUCTION, VERIFY ALL ROOF DRAINS AND PIPING IS CLEAR AND IN WORKING ORDER. REPORT ANY OBSTRUCTIONS TO ARCHITECT AND OWNER'S REPRESENTATIVE PRIOR TO BEGINNING WORK.
- N. AT MECHANICAL EQUIPMENT LOCATIONS, REFER TO SPECIFIC NOTES ON ROOF PLANS AND REFERENCED DETAILS FOR WORK REQUIRED. BEFORE BEGINNING CONSTRUCTION, VERIFY ALL MECHANICAL EQUIPMENT IS OPERATIONAL AND IN WORKING ORDER. REPORT ANY DEFICIENCIES TO ARCHITECT AND OWNER'S REPRESENTATIVE PRIOR TO BEGINNING WORK.
- O. AT VERTICAL ROOF TRANSITION AND BASE FLASHING LOCATIONS, REFER TO SPECIFIC NOTES ON ROOF PLANS AND REFERENCED DETAILS FOR WORK REQUIRED.
- P. DO NOT DISTURB OR OVERBURDEN EXISTING ROOF AREAS THAT ARE NOT SCHEDULED FOR WORK OR RECENTLY COMPLETED ROOF AREAS. THIS INCLUDES HIGH FOOT TRAFFIC, POINTS OF ACCESS AND WORK PREPARATION AND MATERIAL STAGING AREAS.
- Q. ALL WORK SHALL COMPLY WITH EXISTING ADJACENT ROOF SYSTEM MANUFACTURER'S WARRANTY REQUIREMENTS WHERE APPLICABLE.
- R. MAINTAIN CONSTANT ROOF EDGE DATUM AND FASCIA HEIGHTS, BY ADJUSTING LAYERS AND THICKNESS OF CONTINUOUS WOOD BLOCKING (VIF).
- S. ALL MATERIALS SHALL COMPLY WITH CHAPTER 15 OF THE 2020 BONYNS.
- T. SEE STRUCTURAL DRAWINGS FOR STRUCTURAL LOAD NOTES.
- U. ADDITIONAL CONSTRUCTION ACTIVITIES MAY BE TAKING PLACE DURING THIS PROJECT'S DURATION REQUIRING COORDINATION WITH THE DISTRICT AND OTHER PRIME CONTRACTORS.

Keyed Roof Restoration Notes

- 1R PROVIDE COATED FOAMED ROOFING RESTORATION, TYPICAL AT ALL ROOF AREAS INDICATED ON PLAN. SEE SPECIFICATION SECTION 07 57 50 - COATED FOAMED ROOFING RESTORATION INCLUDING ROOF MOISTURE SCANS ATTACHED TO SPECIFICATION AND ROOF TYPE RS-3 DETAIL.
- 2R PROVIDE CONTINUOUS 30" WIDE ROOF WALKWAY COATING SYSTEM. COORDINATE LOCATIONS WITH EXISTING PENETRATIONS, VERIFY IN FIELD. SEE SECTION 07 57 50 - COATED FOAMED ROOFING RESTORATION.
- 3R PROVIDE COATED FOAMED ROOF RESTORATION AT VERTICAL SURFACE, APPROXIMATE HEIGHT AS INDICATED ON PLAN. SEE SECTION 07 57 50 - COATED FOAMED ROOFING RESTORATION.
- 4R EXISTING EXPANSION JOINT LOCATION, PROVIDE CONTINUOUS 24" MIN. WIDTH MESH REINFORCEMENT, TYPICAL AT ALL EXPANSION JOINTS, CRACKS, WALL BASE FLASHING, AND TERMINATION LOCATIONS. NOT ALL LOCATIONS ARE SHOWN ON PLAN. VERIFY IN FIELD. SEE SECTION 07 57 50 - COATED FOAMED ROOFING RESTORATION. SEE DETAIL 20ZAT750.
- 5R EXISTING ROOF DRAIN WITH PLASTIC OR MISSING STRAINER. REMOVE AND DISCARD PLASTIC STRAINER AND PROVIDE GALVANIZED CAST IRON ROOF DRAIN DOME.
- 6R NEW PENETRATION AT EXISTING ROOFING SYSTEM. REMOVE EXISTING ROOFING MATERIALS TO ROOF DECK AND PATCH TO MATCH EXISTING MATERIALS AND THICKNESSES AFTER INSTALLATION OF PENETRATION PRIOR TO RECOATING. PROVIDE DECK OPENINGS, FRAMES, AND INTEGRAL TAPERED DIVERSION CRICKET AT UPSLOPE SIDE OF CURB. COORDINATE WITH OTHER PRIME CONTRACTORS. SEE STRUCTURAL DRAWINGS AND DETAILS 21 AND 23ZAT750.
- 7R EXISTING MECHANICAL EQUIPMENT LOOSE OVER ROOF TO BE REMOVED AND REINSTALLED ON SUPPORT RAILS BY OTHERS. SEAL ALL PENETRATIONS THROUGH ROOF. COORDINATE WITH OTHER PRIME CONTRACTORS.
- 8R REMOVE EXISTING ROOF HATCH, PROVIDE ROOF HATCH AND FALL PROTECTION RAIL SYSTEM, APPROX. 30" X 36". VERIFY EXISTING DIMENSIONS IN FIELD. PATCH TO MATCH EXISTING MATERIALS AND THICKNESSES AFTER INSTALLATION OF ROOF HATCH. SEE DETAIL 22ZAT750.
- 9R EXISTING PONDING AREA NOT SHOWN FOR REMOVAL ON ROOF SCAN, SCARIFY EXISTING COATING AND PROVIDE ADDITIONAL SPRAY POLYURETHANE FOAM AS REQUIRED TO CREATE POSITIVE SLOPE TO ROOF DRAIN - VERIFY EXACT CONDITIONS IN FIELD.
- 10R PROVIDE ALUMINUM WALL LADDER, APPROX. HEIGHT AS INDICATED ON PLAN. VERIFY EXACT LOCATION IN FIELD. SEE DETAIL 14ZAT750.

Keyed Roof Notes

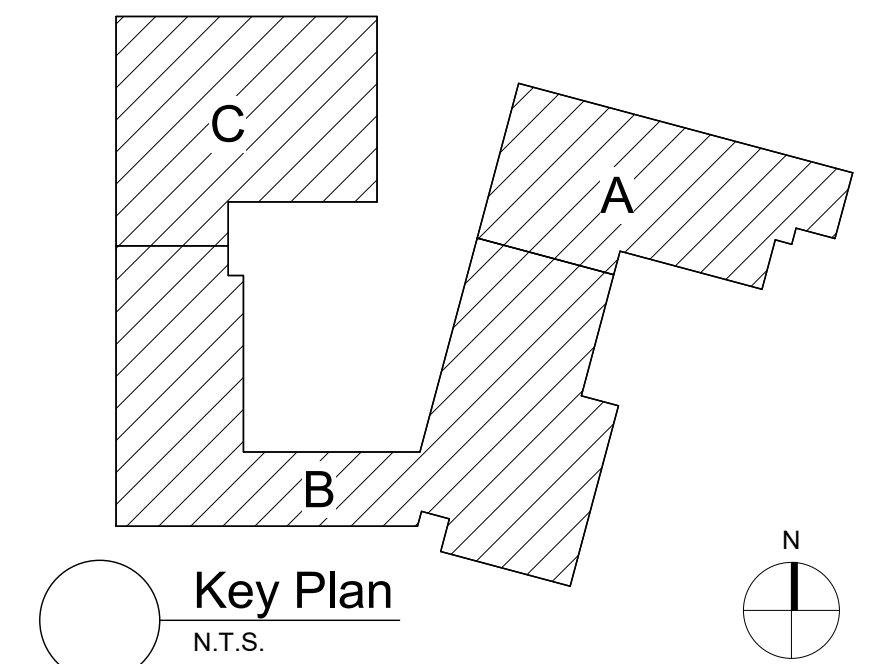
- 1 REPLACE ROOF DRAIN AT EXISTING LOCATION (VERIFY SIZE IN FIELD). SEE DETAIL 8ZAT750.
- 2 VENT PIPE PENETRATION (VERIFY SIZE IN FIELD). SEE DETAIL 8ZAT750.
- 3 EXISTING WALL OR FASCIA SURFACE MOUNTED ELECTRICAL BOX AND CONDUITS TO BE REMOVED AND REINSTALLED BY OTHERS. COORDINATE WITH OTHER PRIME CONTRACTORS.
- 4 ADHERED WALKWAY PAD (TYP). ALIGN WALKWAY PAD WITH LADDERS, DOORS, PERIMETERS OF HATCHES AND MECHANICAL EQUIPMENT (TYP). SEE DETAIL 5ZAT750.
- 5 EXISTING CURB-MOUNTED EQUIPMENT TO BE REMOVED AND REINSTALLED (OR NEW EQUIPMENT) ON PRE-FABRICATED CURB AT EXISTING LOCATION (VIF) BY OTHERS. COORDINATE WITH OTHER PRIME CONTRACTORS. SEE DETAIL 7ZAT750.
- 6 TAPERED INSULATION CRICKET (TYP). SLOPE 1/2"/FT. TYP ALL SIDES. VERIFY LENGTH IN FIELD. WIDTH AS INDICATED ON PLAN AND TYPICAL AT ALL CURB PENETRATIONS.
- 7 EXISTING CURB AND CURB-MOUNTED EQUIPMENT TO BE REMOVED BY OTHERS. COORDINATE WITH OTHER PRIME CONTRACTORS. PROVIDE ROOF DECK OPENING INFILL. VERIFY DIMENSIONS IN FIELD. SEE STRUCTURAL DRAWINGS.

General Notes - Applies to All Drawings

- A. DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS.
- B. TAKE FIELD MEASUREMENTS TO FIT THE WORK PROPERLY. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD.
- C. REFER INCONSISTENCIES TO ARCHITECT PRIOR TO COMMENCING THE WORK IN AFFECTED AREA.
- D. ITEMS ARE SHOWN DIAGRAMMATICALLY ON DRAWINGS. VERIFY SPACE REQUIREMENTS AND DIMENSIONS TO FIT THE WORK PROPERLY.
- E. NOTES SHOWN ON ONE DRAWING APPLY TO ALL SIMILAR DRAWINGS.
- F. DO NOT DISTURB CONSTRUCTION SUSPECTED OF CONTAINING HAZARDOUS MATERIAL. IF ENCOUNTERED, IMMEDIATELY NOTIFY ARCHITECT, CONSTRUCTION MANAGER AND OWNER.

Symbol/Hatch Legend

- INDICATES AREAS OF SPF ROOF SYSTEM TO BE RESTORED
- INDICATES AREAS OF TAPERED INSULATION, ROOF TYPE RS-2 UNLESS NOTED OTHERWISE
- ROOF DRAIN - EXISTING TO REMAIN, SEE KEYS FOR ROOF RESTORATION NOTE 9R FOR LOCATIONS WITH PLASTIC OR MISSING STRAINER REQUIRING ADJUSTABLE DRAIN GUARD
- ROOF DRAIN WITH 4" TAPERED INSULATION SUMP - REPLACE AT EXISTING LOCATION
- EQUIPMENT ON CURB (FAN/HOOD/ETC.)
- CURB WITH SOLID COVER, PROVIDE ROOF COATING PIPE PENETRATION
- EXPANSION JOINT
- EQUIPMENT ON SUPPORT RAILS WITH FLEXIBLE PENETRATION
- HVAC
- EQUIPMENT ON CURB (RTU)
- ROOF WALKWAY COATING SYSTEM
- ADHERED WALKWAY PAD
- ROOF HATCH
- LINE OF TAPERED INSULATION TOTAL THICKNESS OF INSULATION INCLUDING COVERBOARD
- ROOF SYSTEM TYPE RS-X
- TEST CUT LOCATION, SEE EXISTING CONDITIONS NOTES



S.E.D. Control No. 62-18-01-06-0-001-019

Rev. No.: Date: Description:



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Walkkill Central School District
Walkkill, New York

Reconstruction to:
Leptondale Elementary School

Roof Plan

Drawn By: TTAE Date: 11/4/2022 Drawing Number:

Project No.: 17597-22001 EA053



(N)	ARTWORK/PLAQUES TO REMAIN. DO NOT DAMAGE. REMOVAL BY OWNER
(1H)	SAW CUT OPENING IN WALL TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. PROVIDE LINTEL PER LINTEL SCHEDULE. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES.
(8A)	REMOVE EXISTING WINDOW PANELING AND FURRING STRIPS/SYSTEM TO ACCOMMODATE SCOPE OF WORK. PATCH SUBSTRATE TO MATCH ADJACENT SURFACES WHERE DAMAGED BY REMOVALS IN ORDER TO ACCEPT NEW SCHEDULED WORK.
(8A)	REMOVE STOREROOF SYSTEM COMPLETELY. PREPARE OPENING TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES. PROTECT AND DELIVER TO OWNER'S STORAGE LOCATION FOR THEIR REUSE.
(8F)	REMOVE DOOR LOCKSET AND ASSOCIATED HARDWARE IN PREPARATION FOR NEW LEVERSET. REFER TO DOOR HARDWARE SCHEDULE FOR NEW HARDWARE AND TO HARDWARE SCHEDULE FOR HARDWARE TO FACILITATE NEW HARDWARE INSTALLATION.
(8J)	REMOVE FLOOR FINISH, MASTIC AND WALL BASE TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. AT ALL AREAS OF FLOOR REMOVAL, LAY OUT WITH ADJACENT SLABS AT LOCATIONS SCHEDULED TO RECEIVE FLOOR FINISH. INCLUDE CONCRETE FLOOR PATCHING AND LEVELING MATERIALS TO MATCH FLOOR LEVEL. PREPARE FOR FINISH. PATCH AREAS OF WALLS TO REMAIN THAT WERE DAMAGED BY REMOVAL OF WALL BASE.
	SUFFIX KEY (FLOR FINISH IDENTIFICATIONS): I. VATV/C.
(9C)	REMOVE CEILING SYSTEM AND/OR SOFFIT SYSTEM IN ITS ENTIRETY.
(9H)	REMOVE SPLINE CEILING SYSTEM SYSTEM IN ITS ENTIRETY AND TO SOFFITS TO REMAIN WITH REINFORCING OF ROOF. REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION. REFER TO OTHER DISCIPLINE'S DRAWINGS FOR ASSOCIATED WORK WITH CEILING MOUNTED ITEMS.
(9J)	REMOVE AND REINSTALL EXISTING CEILING SYSTEM AS REQUIRED TO ACCOMMODATE REINFORCING OF ROOF. COORDINATE ALL LOCATIONS OF REQUIRED CEILING REMOVAL WITH STRUCTURAL DRAWINGS. EXISTING CEILING MOUNTED ITEMS TO BE PROTECTED FOR REINSTALLATION INTO CEILING. COORDINATE WITH OTHER DISCIPLINE'S DRAWINGS.
(12C)	REMOVE EXISTING TV DISPLAY. TURN OVER TO OWNER FOR THEIR STORAGE / REUSE.

A. ----- REMOVE ITEMS INDICATED BY DASHED LINE.

B. KEYED DEMOLITION TAGS REFER TO SPECIFIC LOCATIONS AS FOLLOWS:

1. DEMOLITION TAGS LOCATED WITHIN THE MIDDLE OF A SPACE REFER TO DEMOLITION OF ALL ITEMS OF THAT SAME TYPE WITHIN THAT ENTIRE SPACE.

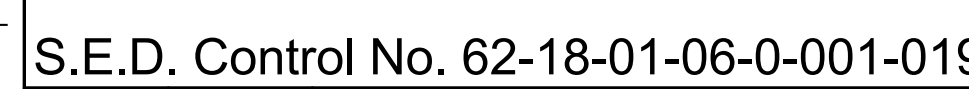
2. DEMOLITION TAGS PLACED IMMEDIATELY ON OR ADJACENT TO A DASHED LINE INDICATING ITEM REMOVAL OR THAT HAVE LEADER POINTING TO SPECIFIC ITEMS) REFER TO DEMOLITION OF THAT SPECIFIC ITEM ONLY OF THAT TYPE WITHIN THAT SPACE.

3. DEMOLITION TAGS IN SERIES REFER TO DEMOLITION OF ALL ITEMS OF THAT TYPE WITHIN THE ENTIRE SPACE OR TO THE SPACE IDENTIFIED BY THAT LEADER.

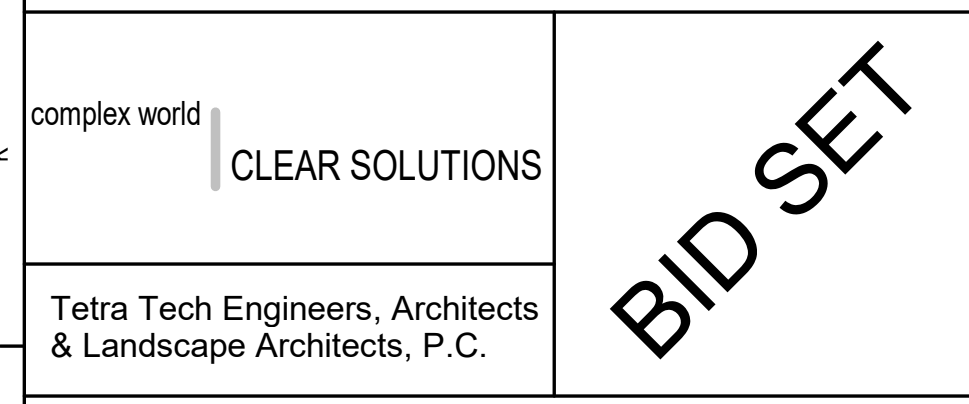
C. WHEN AN ITEM IS INDICATED TO BE DEMOLISHED REMOVE ALL ASSOCIATED COMPONENTS AS PART OF THAT WORK.

D. ALL ARTWORK NOT PERMANENTLY AFFIXED TO EXISTING CONSTRUCTION SHALL BE REMOVED AND STORED BY OWNER PRIOR TO BEGINNING DEMOLITION WORK. CONTACT OWNER'S GEOTECHNICAL ENGINEER IF ANY ARTWORK IS ENCOUNTERED PRIOR TO START OF DEMOLITION WORK.

E. EXISTING WINDOW-MOUNTED A/C UNITS SHALL BE REMOVED AND STORED BY OWNER PRIOR TO START OF DEMOLITION WORK.



Rev. No..	Date.	Description.



First Floor Demolition Plan - Area A

e	Drawn By: TTAE	Date: 11/4/2022	Drawing Number: EA101
	Project No.: 17597-22001		



SUFFIX KEY (FLOOR FINISH IDENTIFICATIONS):
I. VAT/VCT.

A. - - - - - REMOVE ITEMS INDICATED BY DASHED LINE.

B. KEY DEMOLITION TAGS REFER TO SPECIFIC LOCATIONS AS FOLLOWS:

1. DEMOLITION TAGS LOCATED WITHIN THE MIDDLE OF A SPACE REFER TO DEMOLITION OF ALL ITEMS OF THAT SAME TYPE WITHIN THAT ENTIRE SPACE.

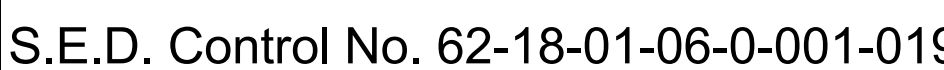
2. DEMOLITION TAGS PLACED IMMEDIATELY ON OR ADJACENT TO A DASHED LINE INDICATING ITEM REMOVAL OR THAT HAVE LEADER POINTING TO SPECIFIC ITEM(S) REFER TO DEMOLITION OF THAT SPECIFIC ITEM ONLY OF THAT TYPE WITHIN THAT SPACE.

3. DEMOLITION TAGS IN SERIES REFER TO DEMOLITION OF ALL THOSE ITEMS EITHER WITHIN THAT ENTIRE SPACE OR TO THE SPACE IDENTIFIED BY THAT LEADER.

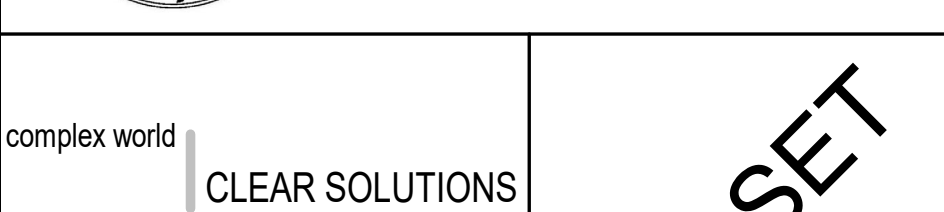
C. WHEN AN ITEM IS INDICATED TO BE DEMOLISHED REMOVE ALL ASSOCIATED COMPONENTS AS PART OF THAT WORK.

D. ALL ARTWORK NOT PERMANENTLY AFFIXED TO EXISTING CONSTRUCTION SHALL BE REMOVED AND STORED BY OWNER PRIOR TO BEGINNING DEMOLITION WORK. CONTACT OWNER'S REPRESENTATIVE(S) IF ANY ARTWORK IS ENCOUNTERED PRIOR TO START OF DEMOLITION WORK.

E. EXISTING WINDOW-MOUNTED A/C UNITS SHALL BE REMOVED AND STORED BY OWNER PRIOR TO START OF DEMOLITION WORK.

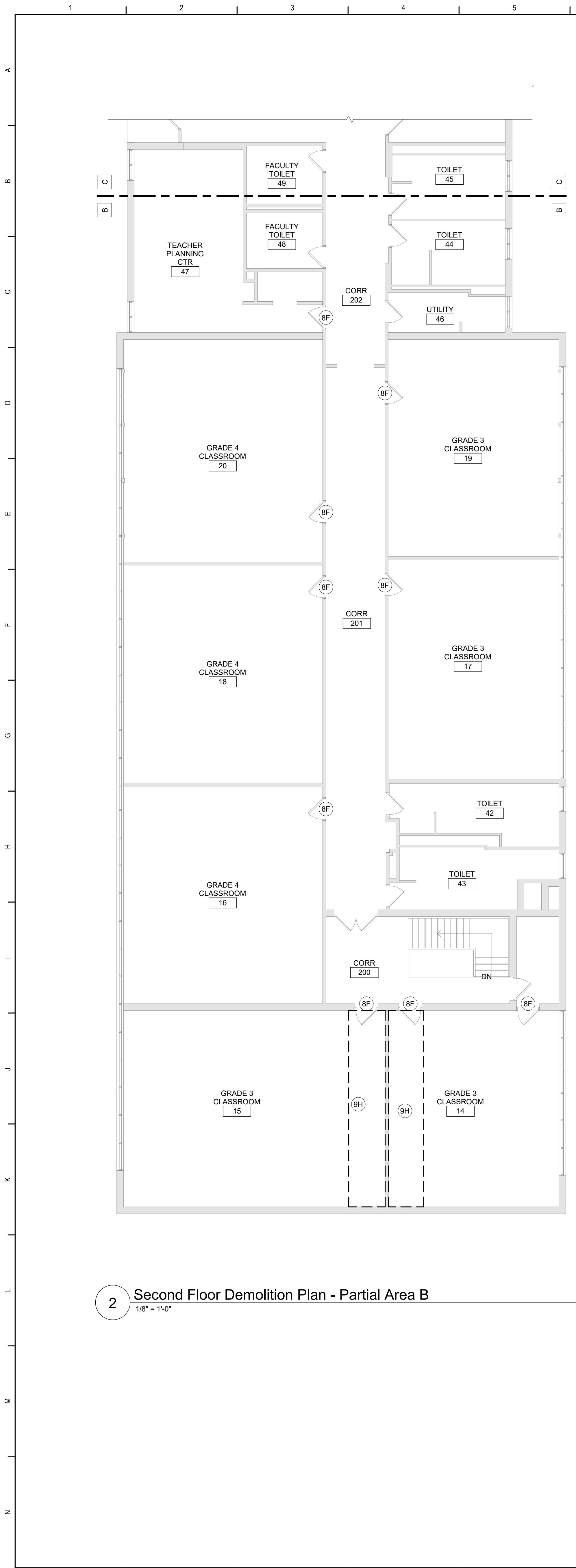


Rev. No.:	Date:	Description:

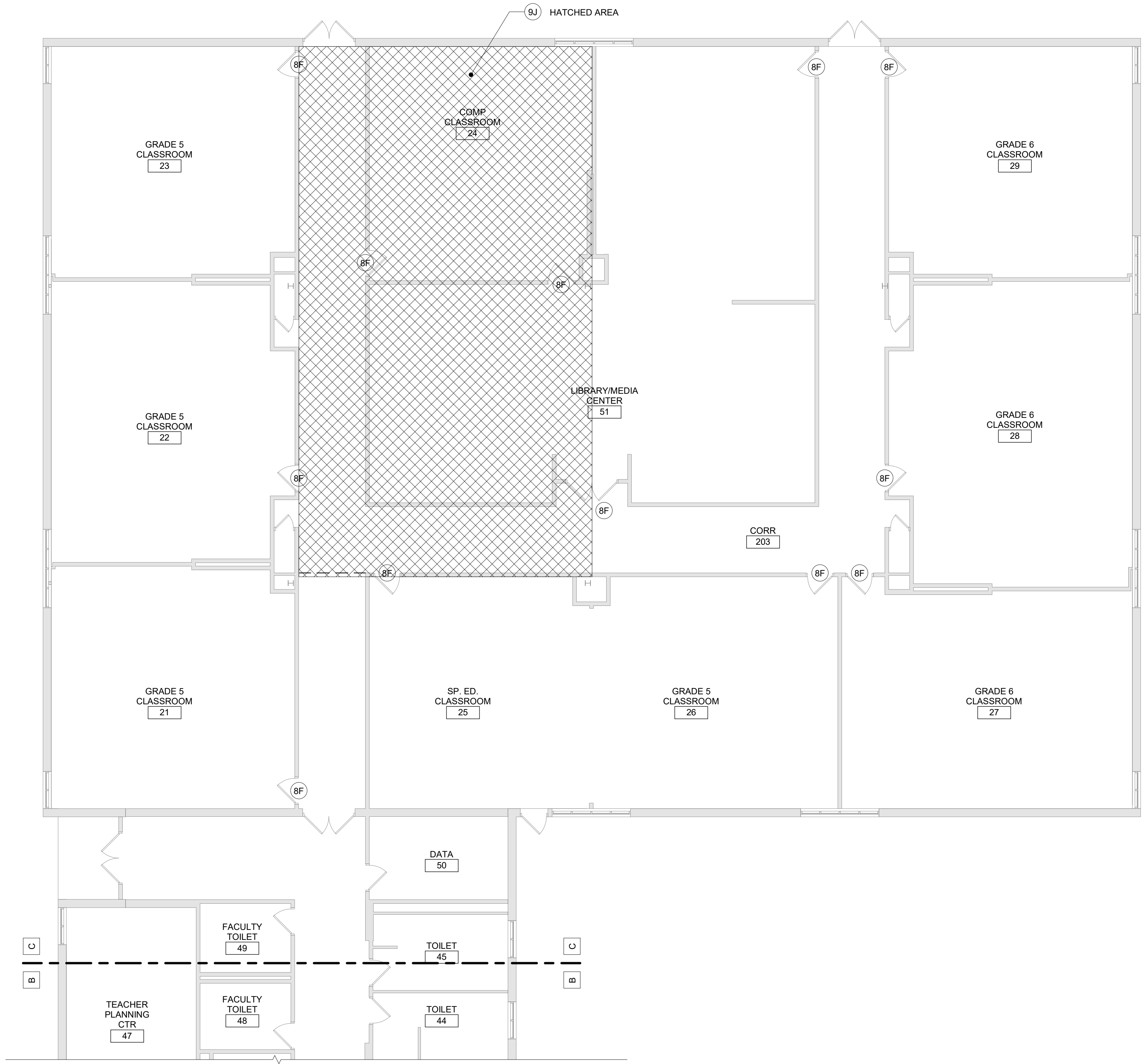
Reconstruction to:
Leptondale Elementary School

First Floor Demolition Plan - Area B

Drawn By: TTAE	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001		EA102



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



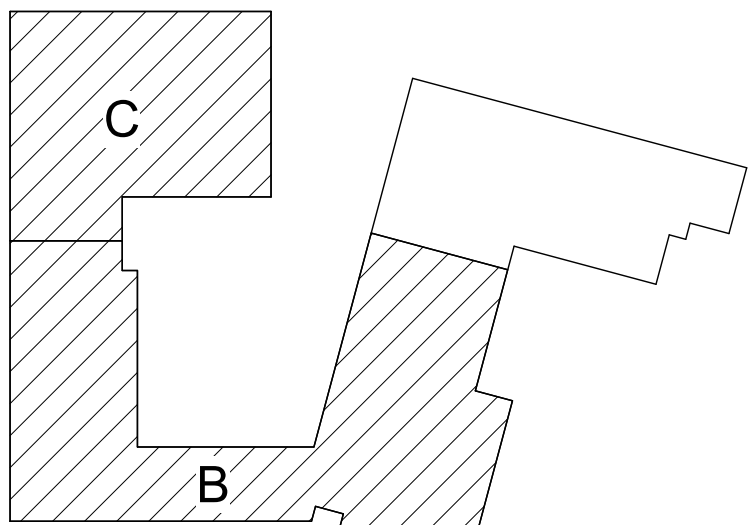
1 Second Floor Demolition Plan - Area C
1/8" = 1'-0"

Demolition Key Notes

- (1N) ARTWORK/PLAQUES TO REMAIN - DO NOT DAMAGE. REMOVAL BY OWNER.
- (1H) SAW CUT OPENING IN WALL TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. PROVIDE UNTEL PER UNTEL SCHEDULE. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES.
- (6A) REMOVE EXISTING WOOD PANELING AND FURRING STRIPS/SYSTEM TO ACCOMMODATE SCOPE OF WORK. PATCH SUBSTRATE TO MATCH ADJACENT SURFACES WHERE DAMAGED BY REMOVALS IN ORDER TO ACCEPT NEW SCHEDULED WORK.
- (8A) REMOVE STOREFRONT SYSTEM COMPLETELY. PREPARE OPENING TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES. PROTECT AND DELIVER TO OWNER'S STORAGE LOCATION FOR THEIR RE-USE.
- (8F) REMOVE DOOR LOCKSET AND ASSOCIATED HARDWARE IN PREPARATION FOR NEW LEVERSET. REFER TO DOOR HARDWARE SCHEDULE FOR NEW HARDWARE AND TO COORDINATE REQUIRED REMOVALS TO FACILITATE NEW HARDWARE INSTALLATION.
- (8D) REMOVE FLOOR FINISH, MASTIC AND WALL BASE TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. AT ALL AREAS OF FLOOR REMOVAL, LEVEL SLAB WITH ADJACENT SLABS AT LOCATIONS SCHEDULED TO RECEIVE FLOOR FINISH. INCLUDE CONCRETE FLOOR PATCHING AND LEVELING MATERIALS TO MAKE SURFACE LEVEL. PREPARE FOR FINISH. PATCH AREAS OF WALLS TO REMAIN THAT WERE DAMAGED BY REMOVAL OF WALL BASE.
- SUFFIX KEY (FLOOR FINISH IDENTIFICATIONS):
 - I. VAT/VCT.
- (9G) REMOVE CEILING SYSTEM AND/OR SOFFIT SYSTEM IN ITS ENTIRETY.
- (9H) REMOVE SPLINE CEILING SYSTEM SYSTEM IN ITS ENTIRETY (ADJACENT SOFFITS TO REMAIN WHERE EXISTING). REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION. REFER TO OTHER DISCIPLINE'S DRAWINGS FOR ASSOCIATED WORK WITH CEILING MOUNTED ITEMS.
- (9J) REMOVE AND REINSTALL EXISTING CEILING SYSTEM AS REQUIRED TO ACCOMMODATE STRUCTURAL REINFORCING OF ROOF. COORDINATE ALL LOCATIONS OF REQUIRED CEILING REMOVAL WITH STRUCTURAL DRAWINGS. EXISTING CEILING MOUNTED ITEMS TO BE PROTECTED FOR REINSTALLATION INTO CEILING. COORDINATE WITH OTHER DISCIPLINE'S DRAWINGS.
- (12C) REMOVE EXISTING TV DISPLAY. TURN OVER TO OWNER FOR THEIR STORAGE / REUSE.

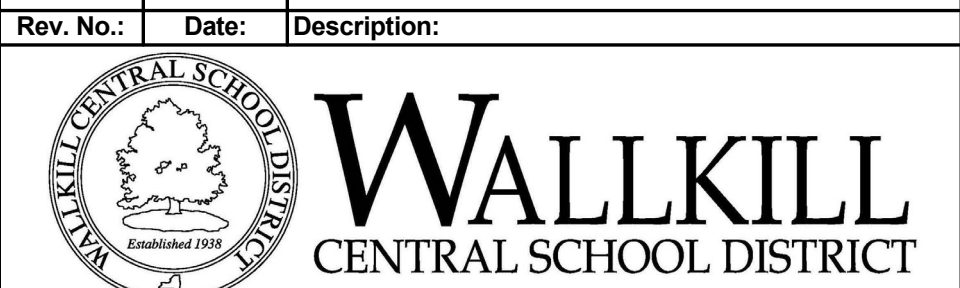
General Demolition Notes

- A. - - - - - REMOVE ITEMS INDICATED BY DASHED LINE.
- B. KEYED DEMOLITION TAGS REFER TO SPECIFIC LOCATIONS AS FOLLOWS:
 - 1. DEMOLITION TAGS LOCATED WITHIN THE MIDDLE OF A SPACE REFER TO DEMOLITION OF ALL ITEMS OF THAT SAME TYPE WITHIN THAT ENTIRE SPACE.
 - 2. DEMOLITION TAGS PLACED IMMEDIATELY ON OR ADJACENT TO A DASHED LINE INDICATING ITEM REMOVAL OR THAT HAVE A LEADER POINTING TO SPECIFIC ITEM(S) REFER TO DEMOLITION OF THAT SPECIFIC ITEM ONLY OF THAT TYPE WITHIN THAT SPACE.
 - 3. DEMOLITION TAGS IN SERIES REFER TO DEMOLITION OF ALL THOSE ITEMS EITHER WITHIN THAT ENTIRE SPACE OR TO THE SPACE IDENTIFIED BY THAT LEADER.
- C. WHEN AN ITEM IS INDICATED TO BE DEMOLISHED REMOVE ALL ASSOCIATED COMPONENTS AS PART OF THAT WORK.
- D. ALL ARTWORK NOT PERMANENTLY AFFIXED TO EXISTING CONSTRUCTION SHALL BE REMOVED AND STORED BY OWNER PRIOR TO BEGINNING DEMOLITION WORK. CONTACT OWNERS AGENT(S) IF ANY ARTWORK IS ENCOUNTERED PRIOR TO START OF DEMOLITION WORK.
- E. EXISTING WINDOW-MOUNTED A/C UNITS SHALL BE REMOVED AND STORED BY OWNER PRIOR TO START OF DEMOLITION WORK.



Key Plan
N.T.S.

S.E.D. Control No. 62-18-01-06-0-001-019



complex world
CLEAR SOLUTIONS

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

BID SET



Wallkill Central School District
Wallkill, New York

Reconstruction to:
Leptondale Elementary School

Second Floor Demolition Plan - Partial
Area B and Area C

Drawn By: TTAE Date: 11/4/2022 Drawing Number:
Project No.: 17597-22001 **EA104**



A. WHERE EXISTING CONSTRUCTION IS DAMAGED OR DISTURBED, PATCH AS REQUIRED TO RESTORE SURFACES TO THEIR ORIGINAL CONDITION.

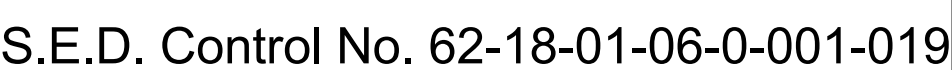
B. PARTITION TYPE TAGS APPLY TO ENTIRE LENGTH OF WALL INDICATED BY THAT TAG, REGARDLESS OF OPENINGS WITHIN THAT WALL, TYPICAL UNLESS NOTED OTHERWISE.

C2	CARPET - TYPE 2 ENTRY WALK OFF
HPC	HIGH PERFORMANCE COATING
N	NO WORK REQUIRED
P	PAINT SURFACE(S) INCLUDING SOFFITS
PT	PORCELAIN TILE
RB	RUBBER BASE
VCT	VINYL COMPOSITION TILE

INDICATED CHANGE IN FLOOR FINISH

FINISHES SHOWN IN ROOM FINISH BOX ARE FOR ALL WALLS AND ENTIRE FLOOR AND CEILING
REFER TO EACH ROOM FOR MORE INFORMATION.

RM#	
CLG*	WALL
FLR	BASE



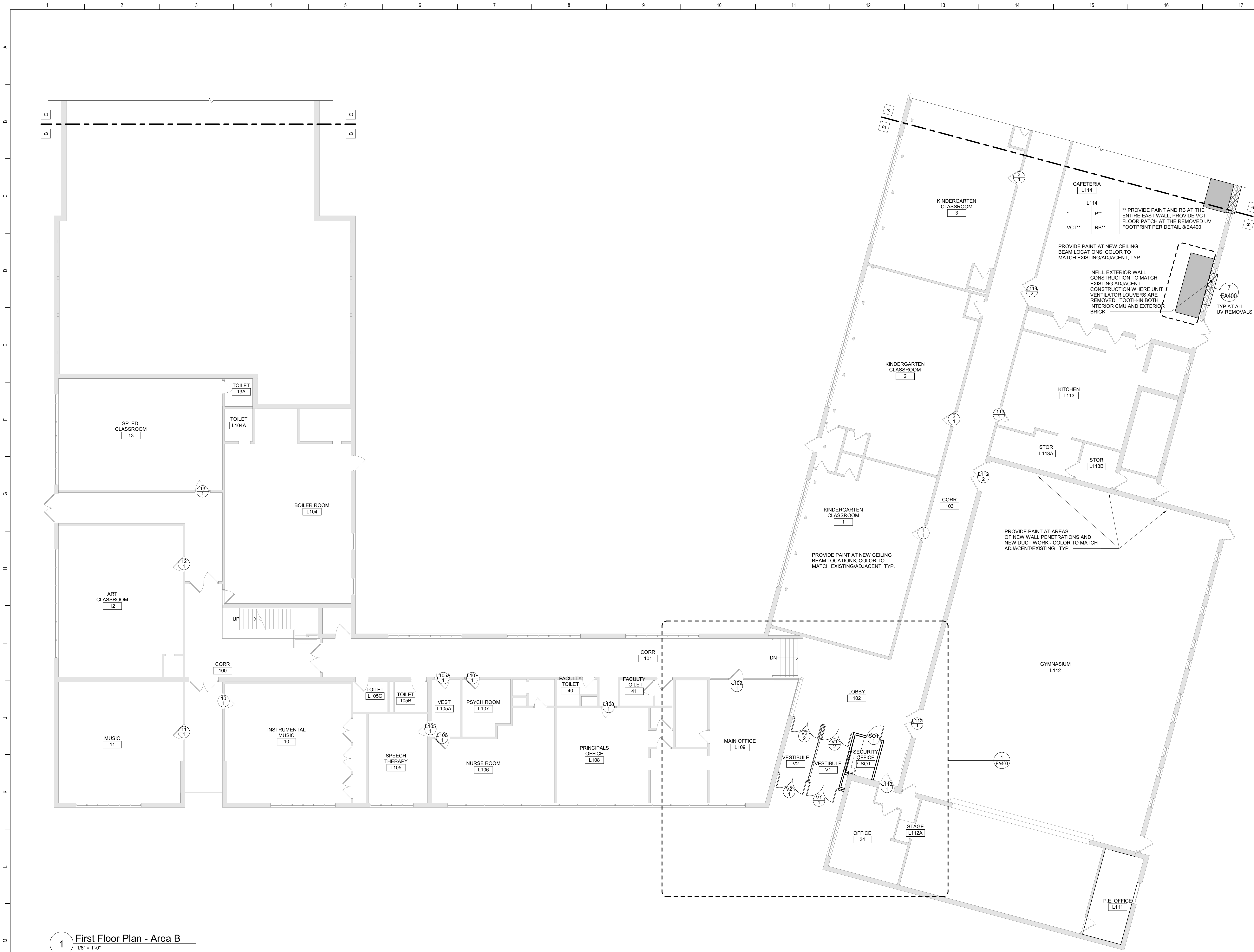
Rev. No.:	Date:	Description:
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BID SET

Reconstruction to:
Leptondale Elementary School

Drawn By: TTAE	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001		EA131



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

Room Finish Key

C2	CARPET - TYPE 2 ENTRY WALK OFF
HPC	HIGH PERFORMANCE COATING
N	NO WORK REQUIRED
P	PAINT SURFACE(S) INCLUDING SOFFITS
PT	PORCELAIN TILE
RB	RUBBER BASE
VCT	VINYL COMPOSITION TILE
*	SEE REFLECTED CEILING PLAN
**	PROVIDE NEW TB AT WALLS WITH PT
***	THICKSET APPLICATION FOR PT
****	PATCH AND PAINT AT UV AS REQUIRED
---	INDICATED CHANGE IN FLOOR FINISH

NOTE: ALL FINISHES LISTED MAY NOT BE REQUIRED FOR THIS PROJECT. REFER TO EA800 FOR GENERAL FINISH NOTES AND GENERAL CASEWORK NOTES.

RM#	
CLG*	WALL
FLR	BASE

FINISHES SHOWN IN ROOM FINISH BOX ARE FOR ALL WALLS AND ENTIRE FLOOR AND CEILING. REFER TO EACH ROOM FOR MORE INFORMATION.

Key Plan
N.T.S.

S.E.D. Control No. 62-18-01-06-0-001-019

Rev. No.:	Date:	Description:

WALKKILL
CENTRAL SCHOOL DISTRICT

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CLEAR SOLUTIONS

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& Landscape Architects, P.C.

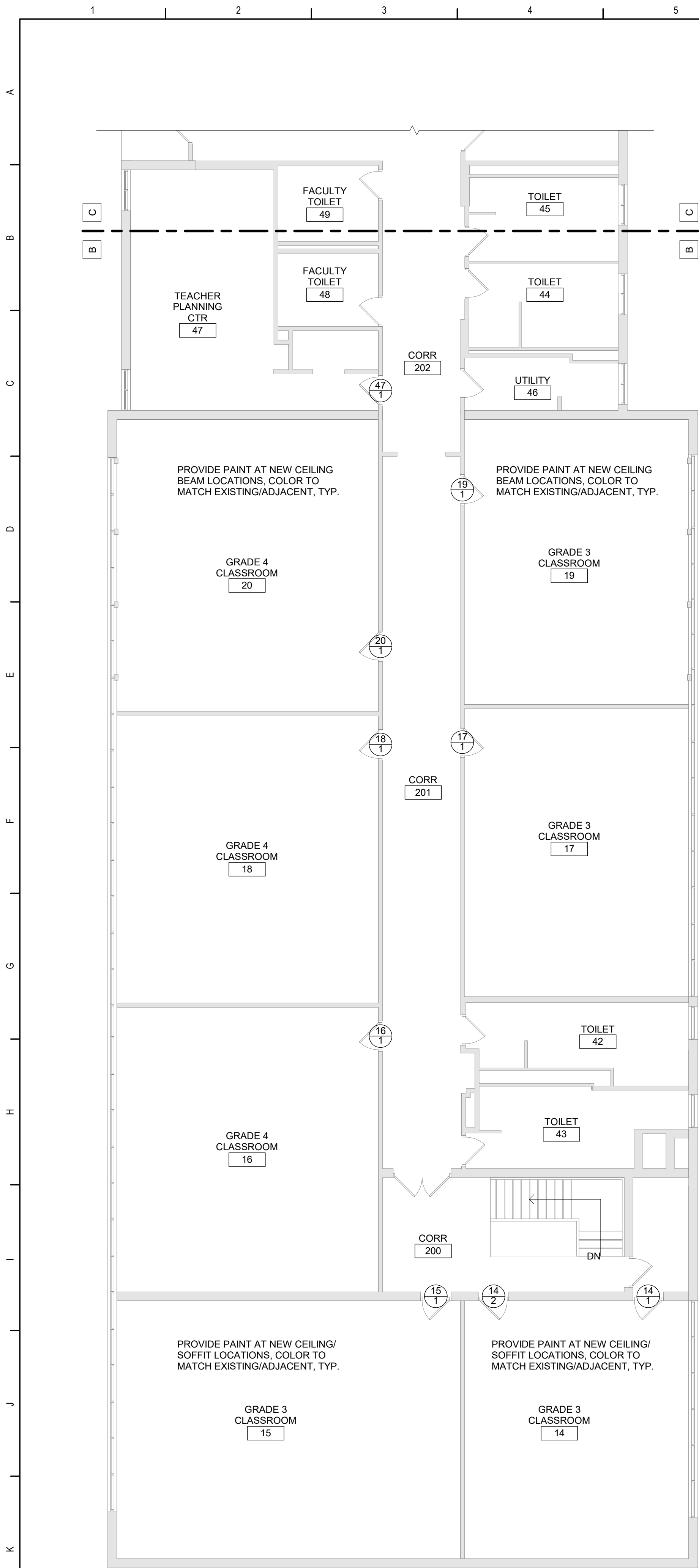
TETRA TECH
ARCHITECTS & ENGINEERS

Walkkill Central School District
Walkkill, New York

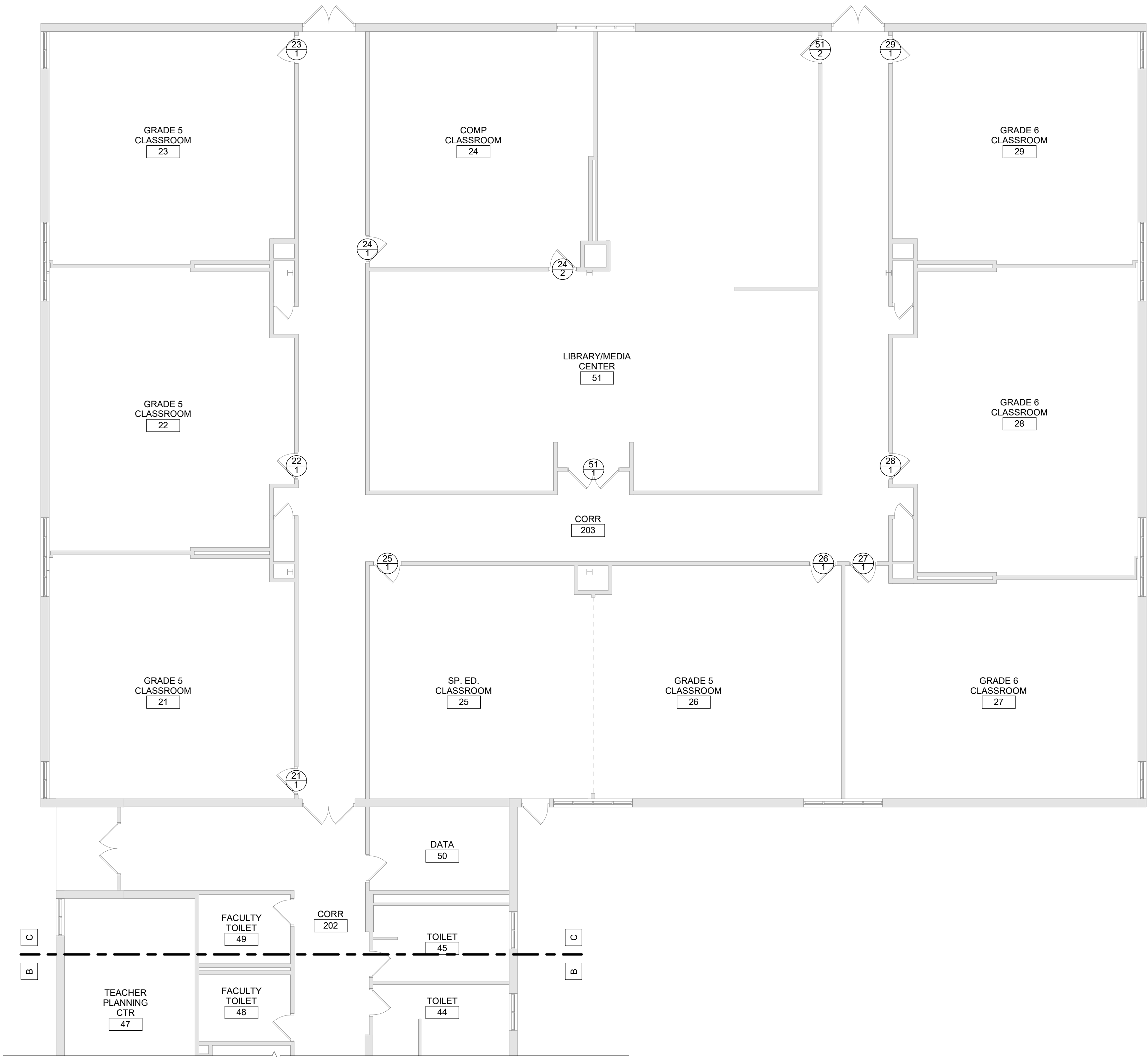
Reconstruction to:
Leptondale Elementary School

First Floor Plan - Area B

Drawn By: TTAE	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001		EA132



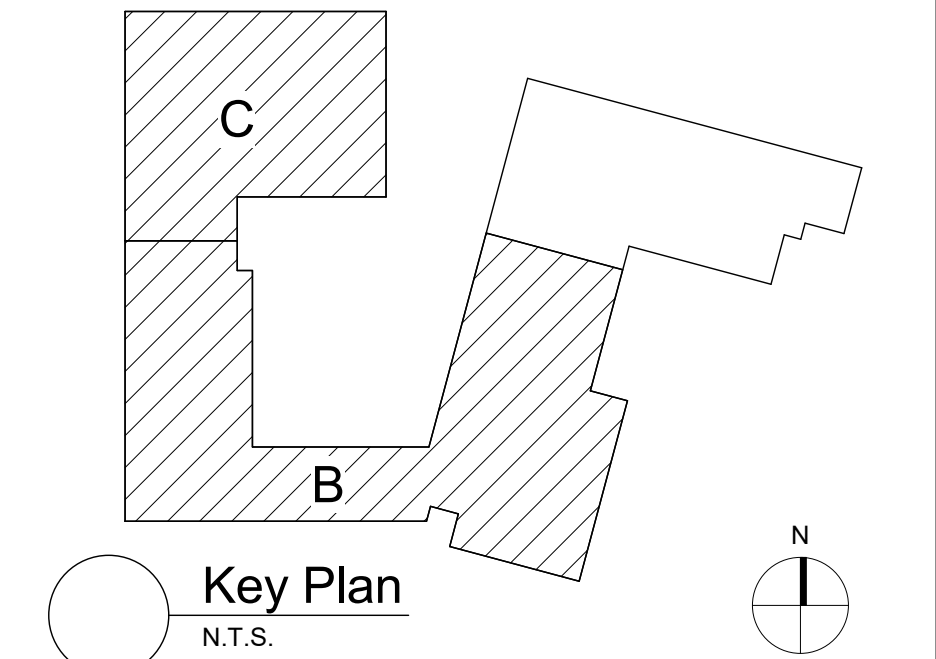
1 Second Floor Plan - Partial Area B
1/8" = 1'-0"



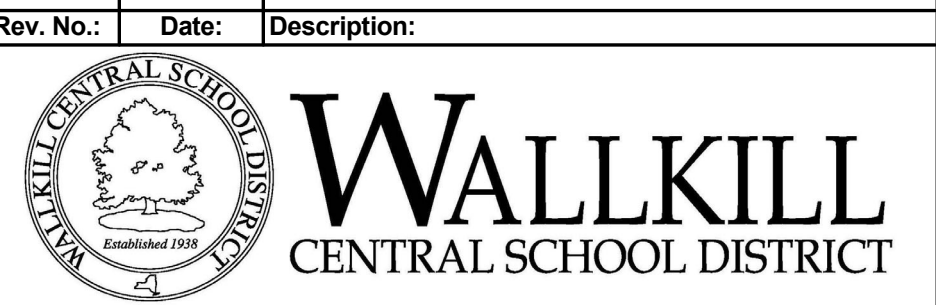
2 Second Floor Plan - Area C
1/8" = 1'-0"

General Plan Notes

- A. WHERE EXISTING CONSTRUCTION IS DAMAGED OR DISTURBED, PATCH AS REQUIRED TO RESTORE SURFACES TO THEIR ORIGINAL CONDITION.
- B. PARTITION TYPE TAGS APPLY TO ENTIRE LENGTH OF WALL INDICATED BY THAT TAG, REGARDLESS OF OPENINGS WITHIN THAT WALL, TYPICAL UNLESS NOTED OTHERWISE.



S.E.D. Control No. 62-18-01-06-0-001-019



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

BID SET



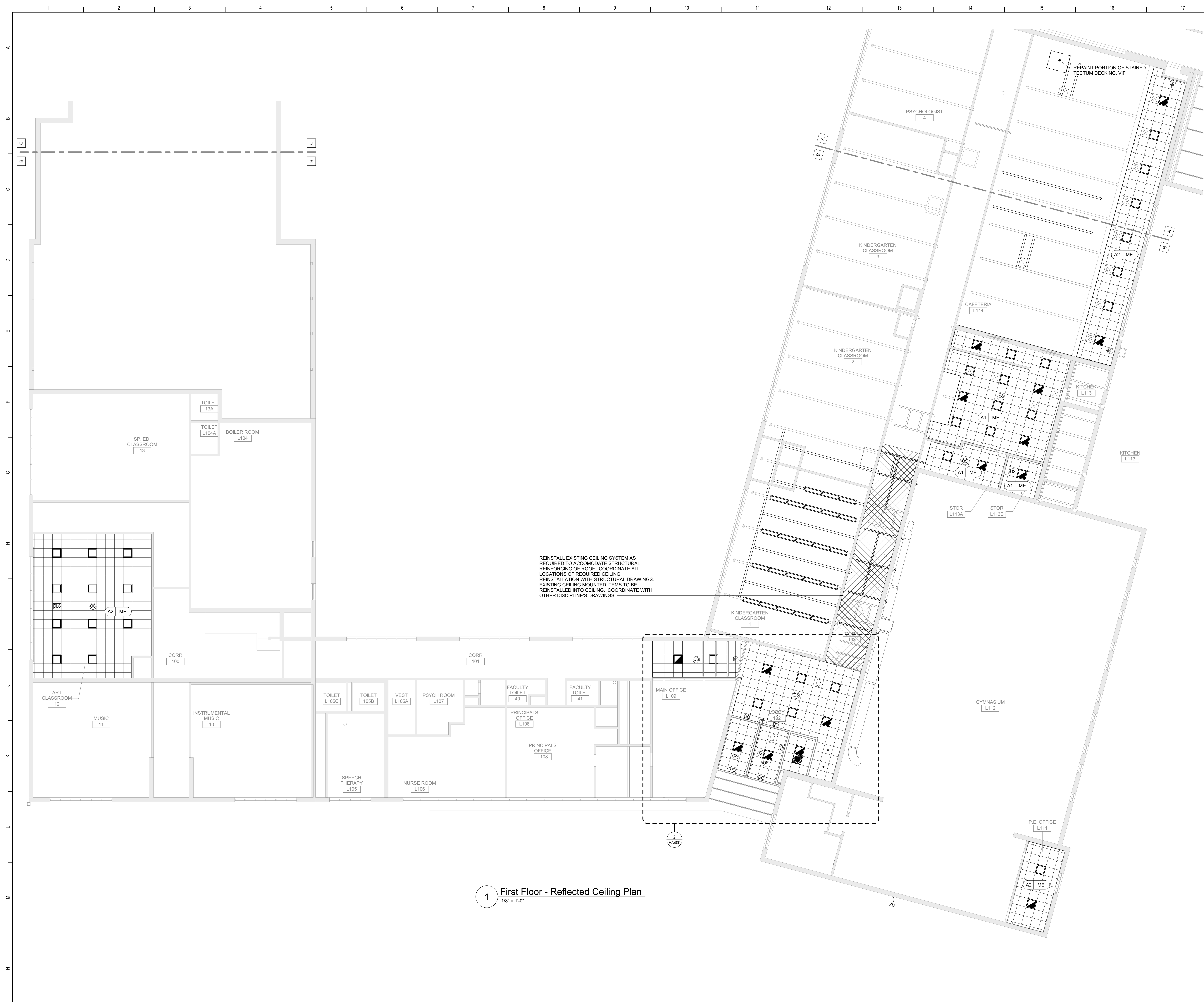
Wallkill Central School District
Wallkill, New York

Reconstruction to:
Leptondale Elementary School

Second Floor Plan - Partial Area B and Area C

Drawn By: TTAE Date: 11/4/2022 Drawing Number: EA134

Project No.: 17597-22001

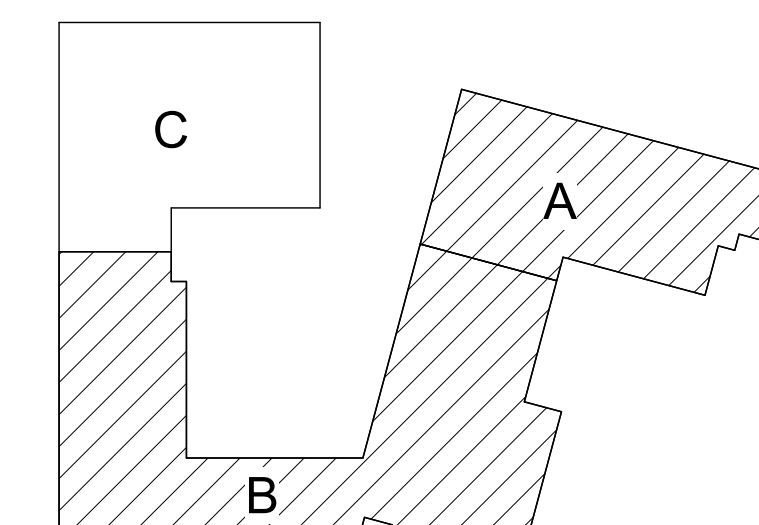


General Ceiling Notes

- | | |
|---|--|
| A | <p>1. LIGHTING AND OTHER CEILING-MOUNTED FIXTURES ARE SHOWN FOR DRAWING CLARITY. COORDINATE ALL CEILING WORK PRIOR TO INSTALLATION OF CEILING GRID.</p> |
| B | <p>2. CENTER CEILING-MOUNTED ITEMS (LIGHTS, GRILLES, DETECTORS, SPRINKLER HEAD, ETC) WITHIN THE CEILING PANELS AND GRIDS UNLESS THE PANELS ARE SCORED. CENTER ITEMS WITHIN THE PATTERN OF SCORED PANELS.</p> |
| | <p>3. PATCH CEILING SYSTEMS TO REMAIN THAT HAVE BEEN DISTURBED BY SCHEDULING WORK TO MATCH ADJACENT OBSTRUCTION PRIOR TO PAINTING.</p> |
| B | <p>4. <u>C.I. 9.10</u> DESIGNATES BOTTOM OF CEILING ABOVE FINISHED FLOOR AT THAT POINT. DESIGNATION "D" INDICATES MATCH EXISTING CEILING HEIGHT.</p> |

Ceiling Types

- | | | |
|----|-------|---|
| A1 | X'-X" | ACOUSTIC PANEL CEILING |
| A2 | X'-X" | ACOUSTIC PANEL CEILING |
| B | X'-X" | PAINTED 5/8" GYPSUM CEILING ON SUPPORT MATERIALS
(GRID SUSPENSION SYSTEM, TYP UNO) |



 **Key Plan**
N.T.S.

S.E.D. Control No. 62-18-01-06-0-001-019

Rev. No.:	Date:	Description:
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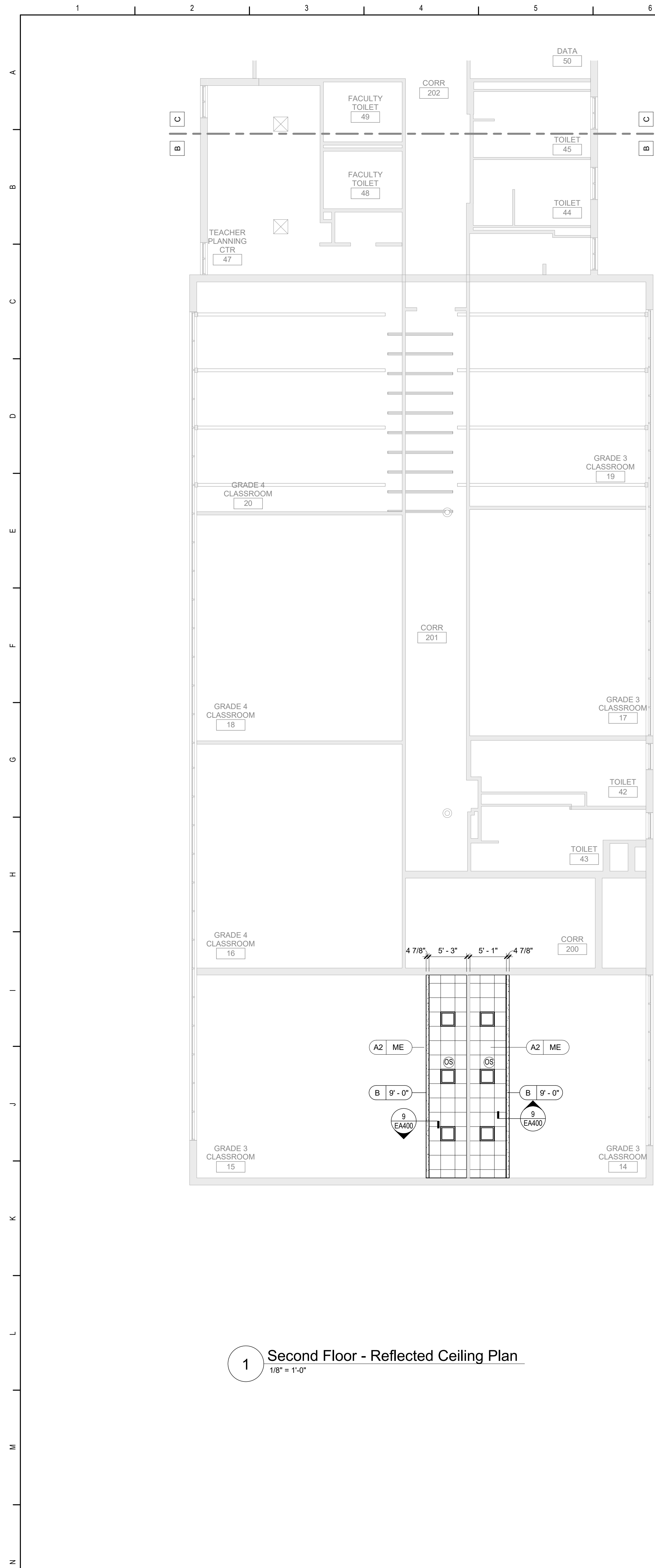


Wallkill Central School District
Wallkill, New York

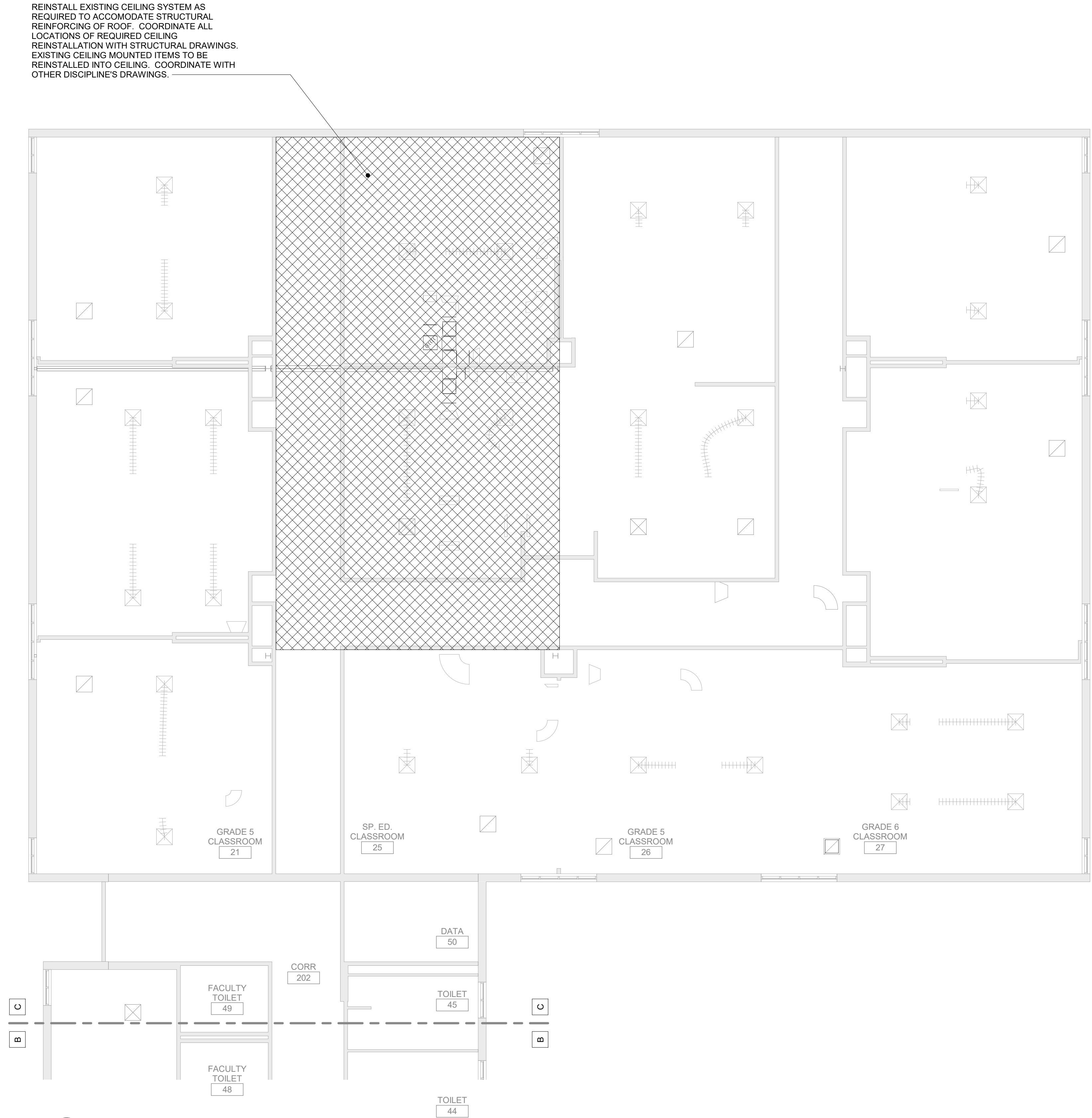
M	Reconstruction to: Leptondale Elementary School
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First Floor Reflected Ceiling Plan

N	Drawn By: TTAE	Date: 11/4/2022	Drawing Number:
	Project No.: 17597-22001		EA161



1 Second Floor - Reflected Ceiling Plan
1/8" = 1'-0"



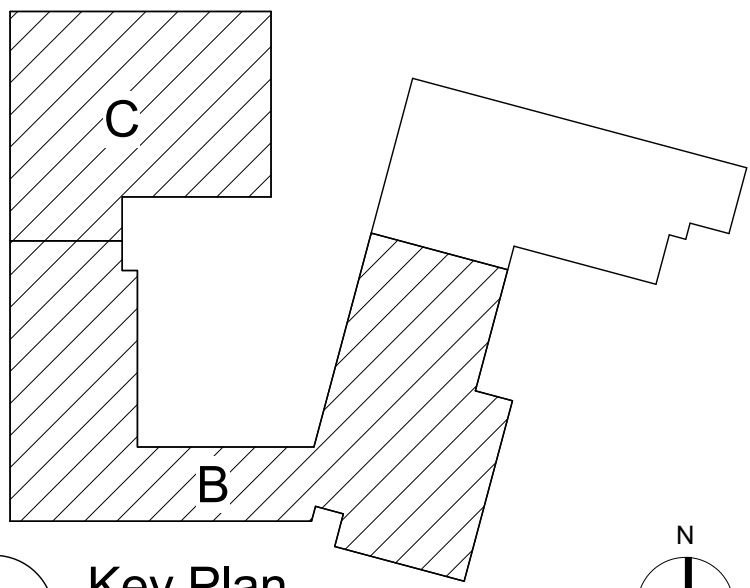
2 Second Floor - Reflected Ceiling Plan
1/8" = 1'-0"

General Ceiling Notes

- LIGHTING AND OTHER CEILING-MOUNTED FIXTURES ARE SHOWN FOR DRAWING CLARITY. COORDINATE ALL CEILING WORK PRIOR TO INSTALLATION OF CEILING GRID.
- CENTER CEILING-MOUNTED ITEMS (LIGHTS, GRILLES, DETECTORS, SPRINKLER HEAD, ETC) WITHIN THE CEILING PANELS AND GRIDS UNLESS THE PANELS ARE SCORED. CENTER ITEMS WITHIN THE PATTERN OF SCORED PANELS.
- PATCH CEILING SYSTEMS TO REMAIN THAT HAVE BEEN DISTURBED BY SCHEDULED WORK TO MATCH ADJACENT CONSTRUCTION PRIOR TO PAINTING.
- (X | 9'-0") DESIGNATES BOTTOM OF CEILING ABOVE FINISHED FLOOR AT THAT POINT UNO. DESIGNATION "ME" INDICATES MATCH EXISTING CEILING HEIGHT.

Ceiling Types

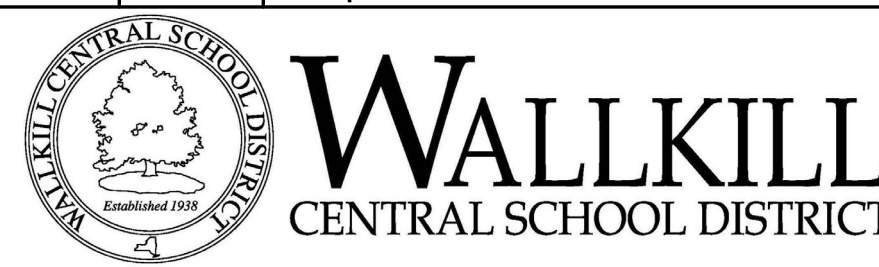
- | | | |
|----|------|--|
| A1 | X-X" | ACOUSTIC PANEL CEILING |
| A2 | X-X" | ACOUSTIC PANEL CEILING |
| B | X-X" | PAINTED 5/8" GYPSUM CEILING ON SUPPORT MATERIALS (GRID SUSPENSION SYSTEM, TYP UNO) |



Key Plan
N.T.S.

S.E.D. Control No. 62-18-01-06-0-001-019

Rev. No.	Date	Description



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



Wallkill Central School District
Wallkill, New York

Reconstruction to:
Leptondale Elementary School

Second Floor Reflected Ceiling Plan

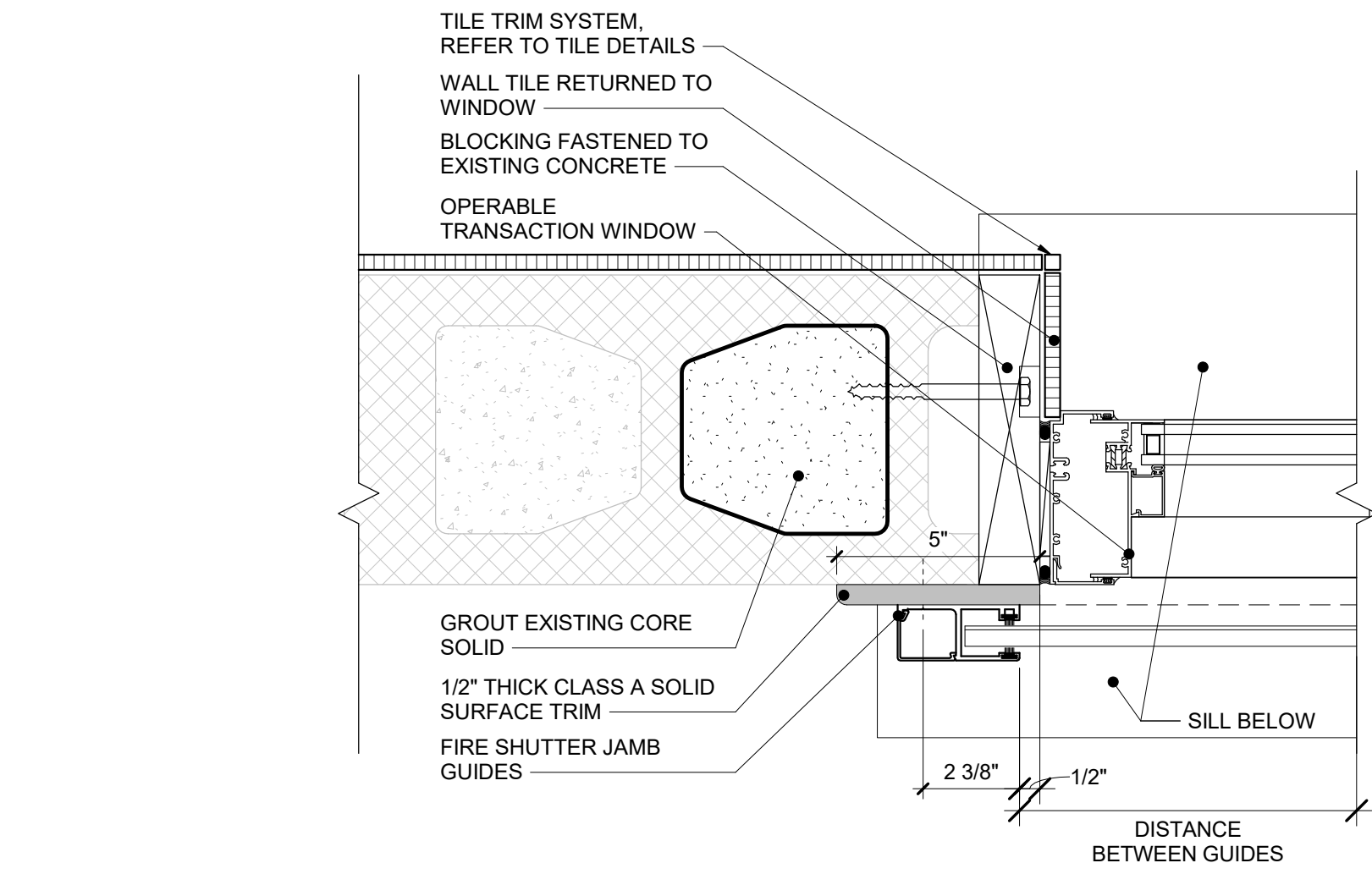
Drawn By: TTAE	Date: 11/4/2022	Drawing Number: EA162
Project No.: 17597-22001		

Door Schedule																		
ROOM NUMBER	DOOR NUMBER	DOOR						FRAME						HEAD	JAMB	SILL	HDW SET	REMARKS
		TYPE	MATERIAL	WIDTH	HEIGHT	RATING	GLAZING	TYPE	MATERIAL	WIDTH	HEIGHT	RATING	GLAZING					
1st FLR AP-K 58																		
1	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L2	NOTE 2
2	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L2	NOTE 2
3	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L2	NOTE 2
4	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L2	NOTE 2
5	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L1	
6	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L2	NOTE 2
7	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L1	
8	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L1	
9	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L1	
31	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L2	NOTE 2
32	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L2	NOTE 2
33	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L2	NOTE 2
L110	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L3	
L112	1	EXG-PR	EXG	3'-0"	7'-0"	-	-	EXG	EXG	6'-4"	7'-4"	-	-				L4	
L112	2	EXG-PR	EXG	3'-0"	7'-0"	-	-	EXG	EXG	6'-4"	7'-4"	-	-				L4	
L113	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L2	NOTE 2
L114	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L3	
L114	2	EXG-PR	EXG	3'-0"	7'-0"	-	-	EXG	EXG	6'-4"	7'-4"	-	-				L4	
S01	1	N	WD	3'-0"	7'-0"	20 MIN	FP	F2	HM	3'-4"	7'-2"	20 MIN	-	H14	J14		L10	NOTE 3
V1	1	G2-PR	AL	3'-0"	7'-0"	-	-	FCE/SCL	SE1	AL	14'-7 1/2"	11'-3"	-	FCE/SCL	12/EAB00	5/EAB00	L6	NOTE 1, NOTE 3
V1	2	G2-PR	AL	3'-0"	7'-0"	-	-	SCL	SE2	AL	13'-5 1/2"	11'-3"	-	SCL	8/EAB00	6/EAB00	L7	NOTE 3
V2	1	G2-PR	AL	3'-0"	7'-0"	-	-	FCE/SCL	SE1	AL	14'-7 1/2"	11'-3"	-	FCE/SCL	12/EAB00	5/EAB00	L8	NOTE 1, NOTE 3
V2	2	G2-PR	AL	3'-0"	7'-0"	-	-	SCL	SE2	AL	13'-5 1/2"	11'-3"	-	SCL	8/EAB00	6/EAB00	L9	NOTE 3
1st FLR CLASSRM 58																		
10	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L2	NOTE 2
11	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L2	NOTE 2
12	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L2	NOTE 2
13	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L2	NOTE 2
L105	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L4	
L105A	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L2	NOTE 2
L106	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L2	NOTE 2
L107	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L2	NOTE 2
L108	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L2	NOTE 2
L109	1	G2	WD	3'-0"	7'-10"	-	-	-	-	3'-4"	7'-2"	-	-				L2	NOTE 2
2nd FLR CLASSROOM 58																		
14	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L2	NOTE 2
15	2	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L2	NOTE 2
16	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L2	NOTE 2
17	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L2	NOTE 2
18	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L2	NOTE 2
19	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L2	NOTE 2
20	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L2	NOTE 2
21	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L1	
22	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L1	
23	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L1	
24	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L2	NOTE 2
24	2	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L2	NOTE 2
25	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L2	NOTE 2
26	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L2	NOTE 2
27	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L1	
28	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L1	
29	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L1	
47	1	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L2	NOTE 2
51	1	EXG-PR	EXG	3'-0"	7'-0"	-	-	EXG	EXG	6'-4"	7'-2"	-	-				L5	
51	2	EXG	EXG	3'-0"	7'-0"	-	-	EXG	EXG	3'-4"	7'-2"	-	-				L2	NOTE 2

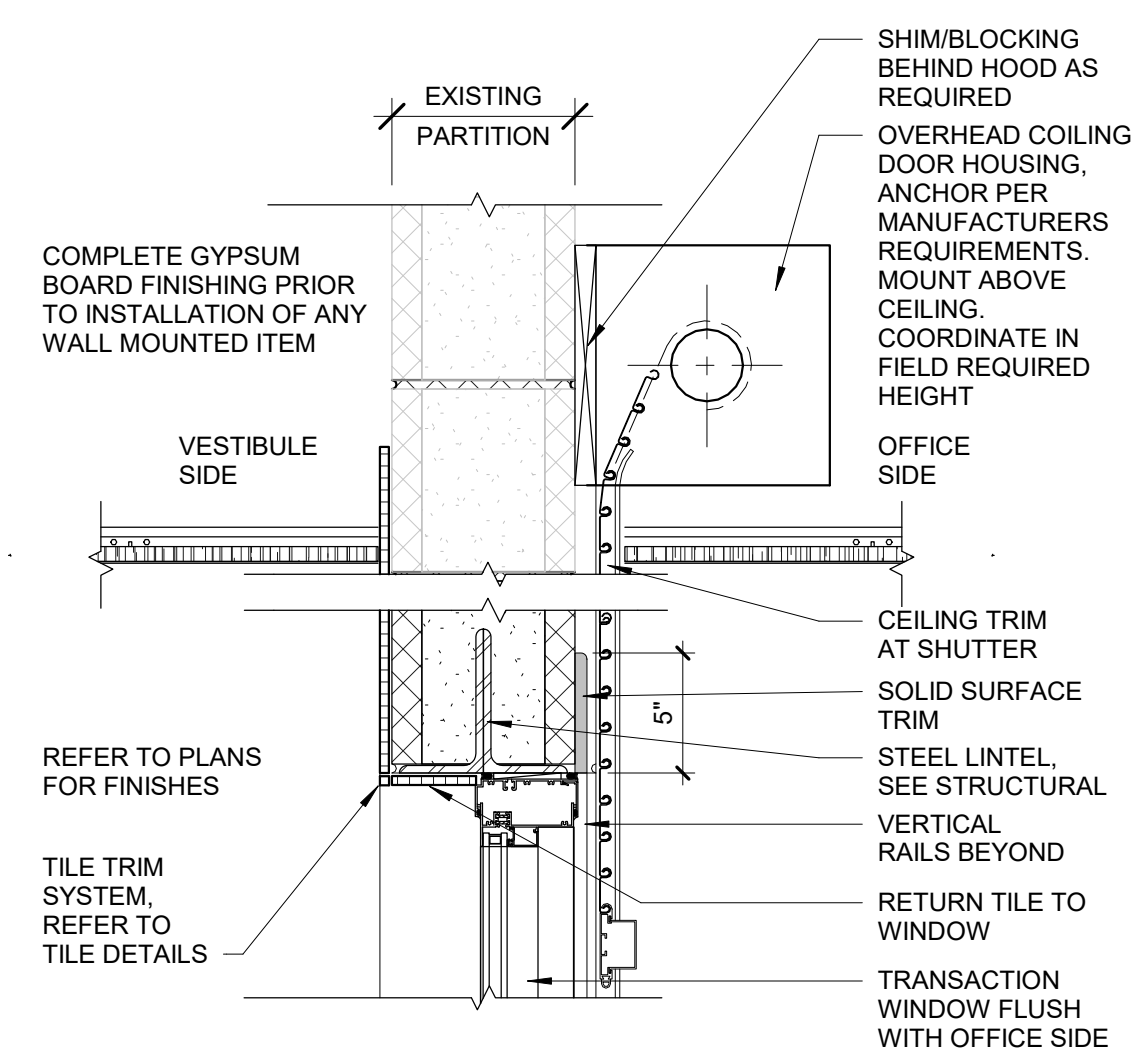
NOTE 1: EXTERIOR DOORS TO RECIEVE MANUFACTURER'S STANDARD ALUMINUM THERMALLY BROKEN DOOR THRESHOLD, SIZED TO FIT OPENING

NOTE 2: MODIFICATION LOCK SUPPLIED AND INSTALLED BY STATE CONTRACT - OTHER REQUIRED HARDWARE ITEMS PROVIDED AND INSTALLED PER BID DOCUMENTS.

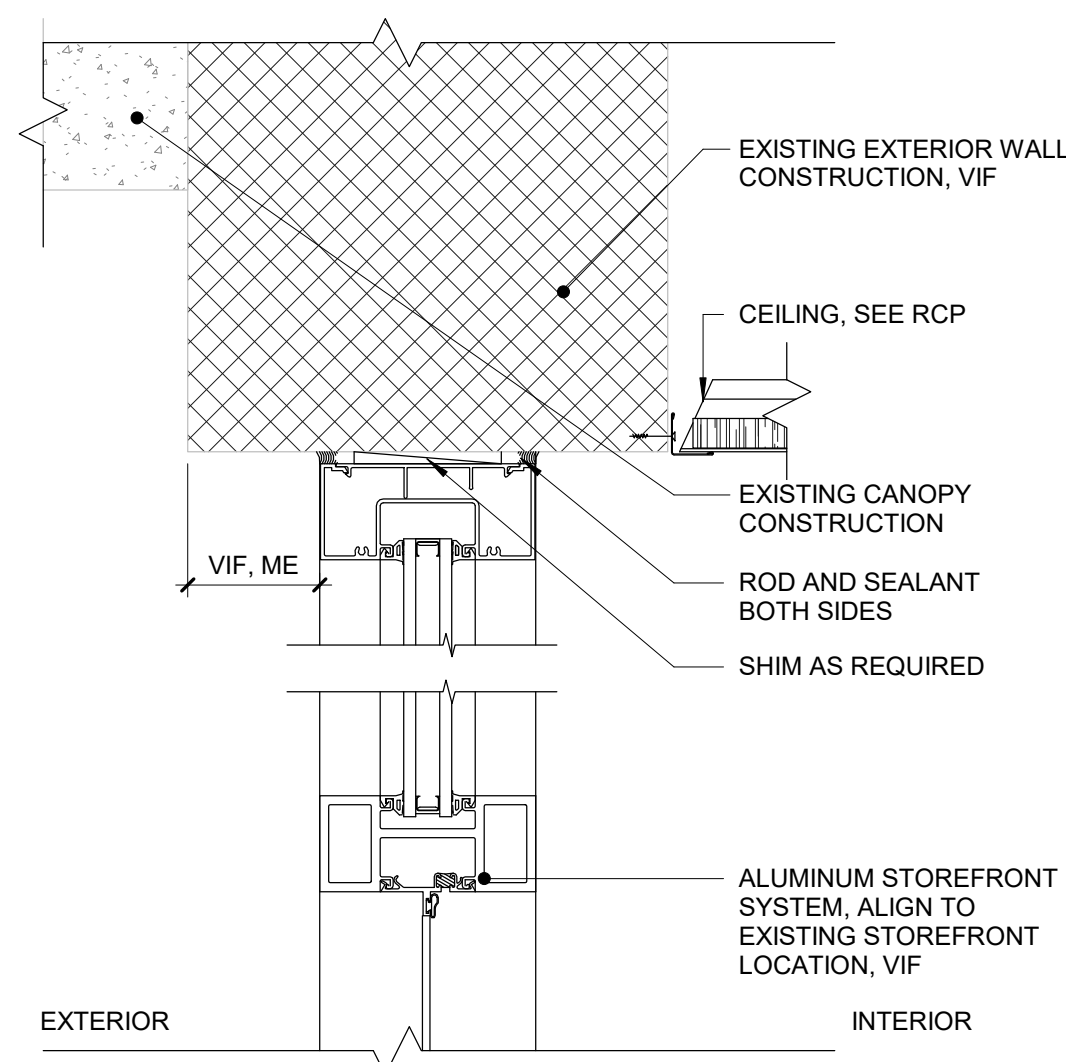
NOTE 3: REFER TO SECURITY DOCUMENTS FOR ADDITIONAL INFORMATION ON SECURITY HARDWARE



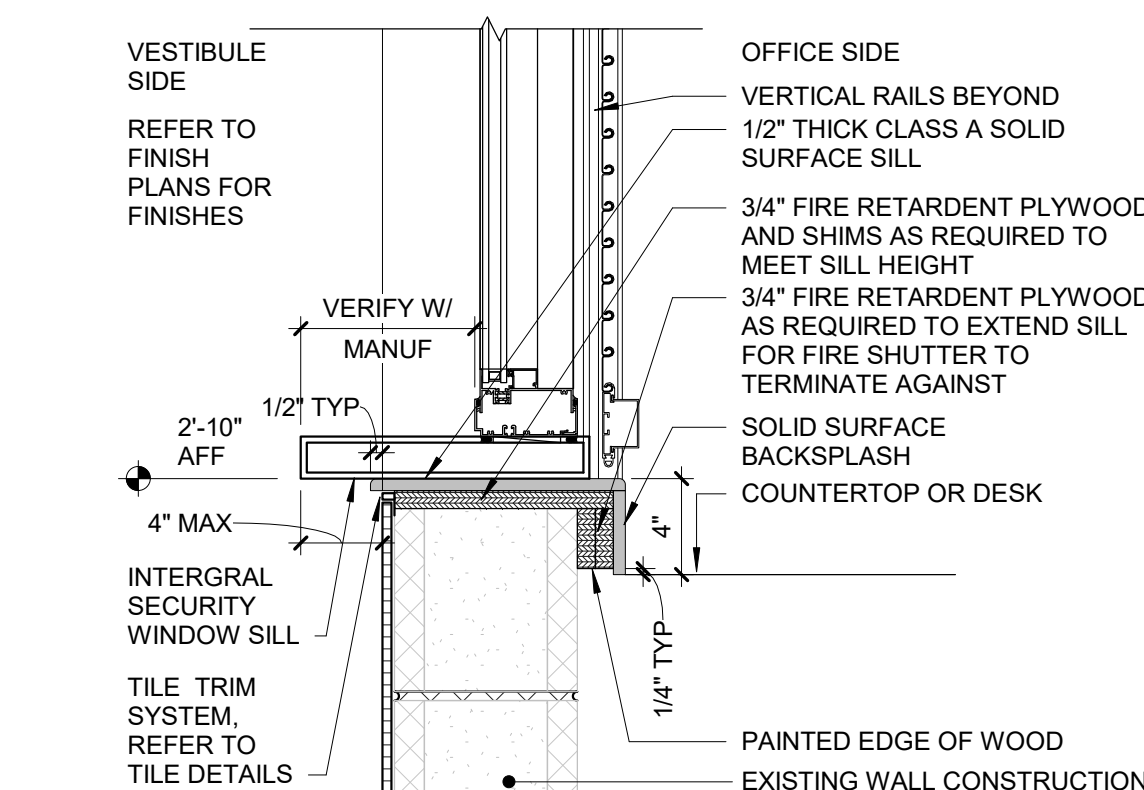
11 Fire Shutter Jamb Detail
3\"/>



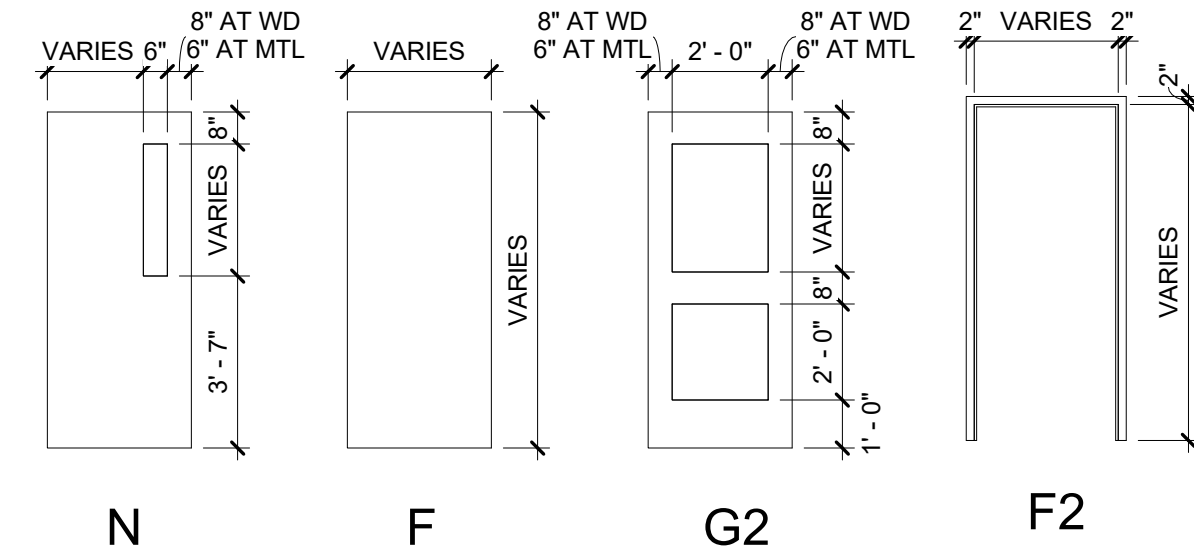
9 Fire Shutter Head Detail
1 1/2\"/>



12 Storefront Head Exterior
3\"/>

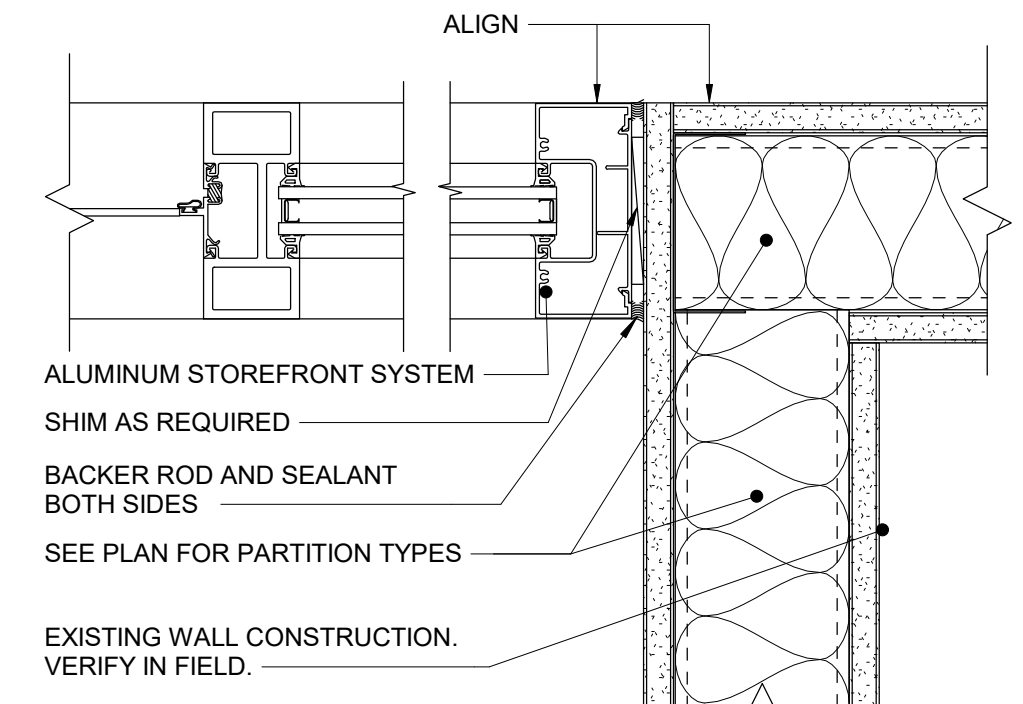


10 Fire Shutter Sill Detail
1 1/2\"/>

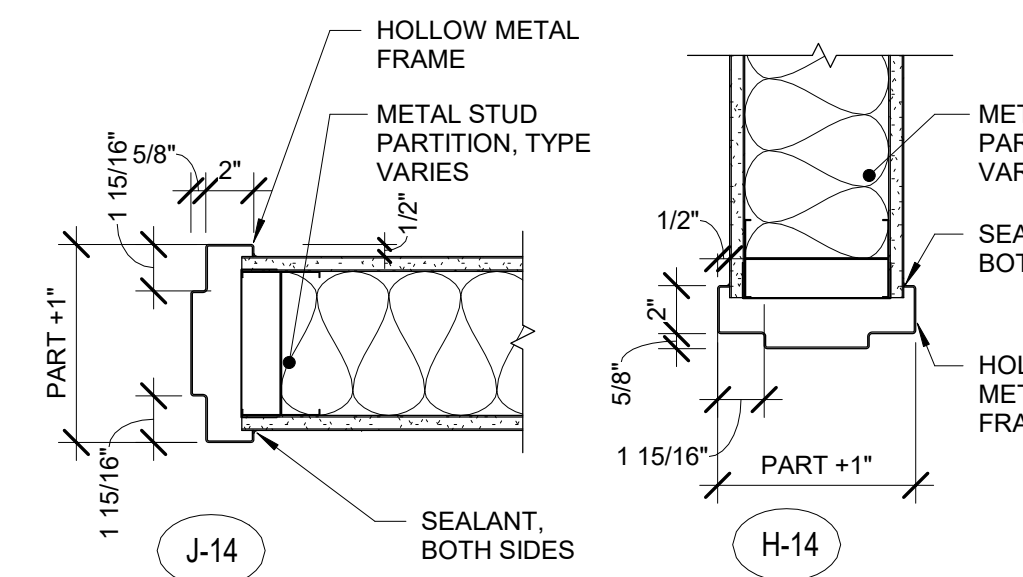


DOOR TYPES

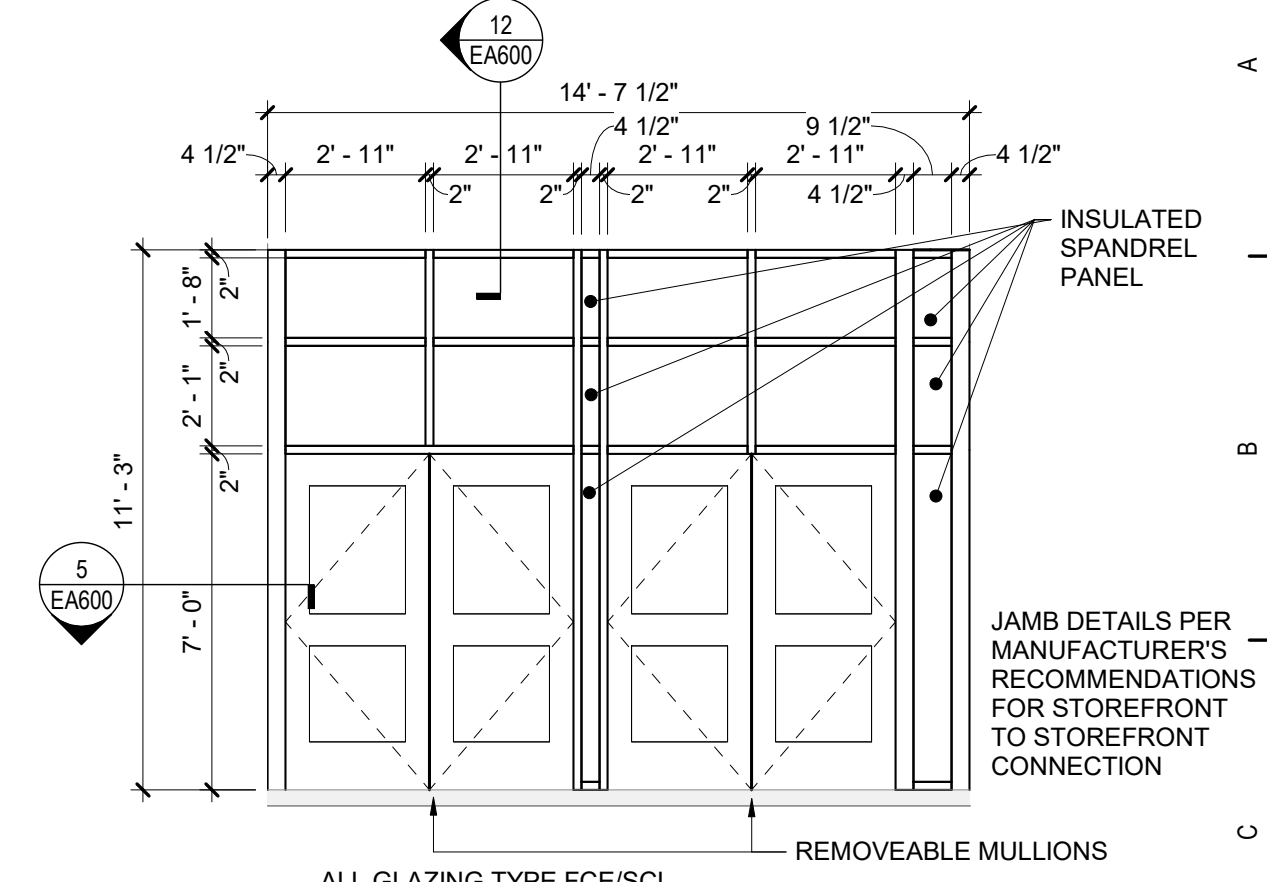
FRAME TYPES



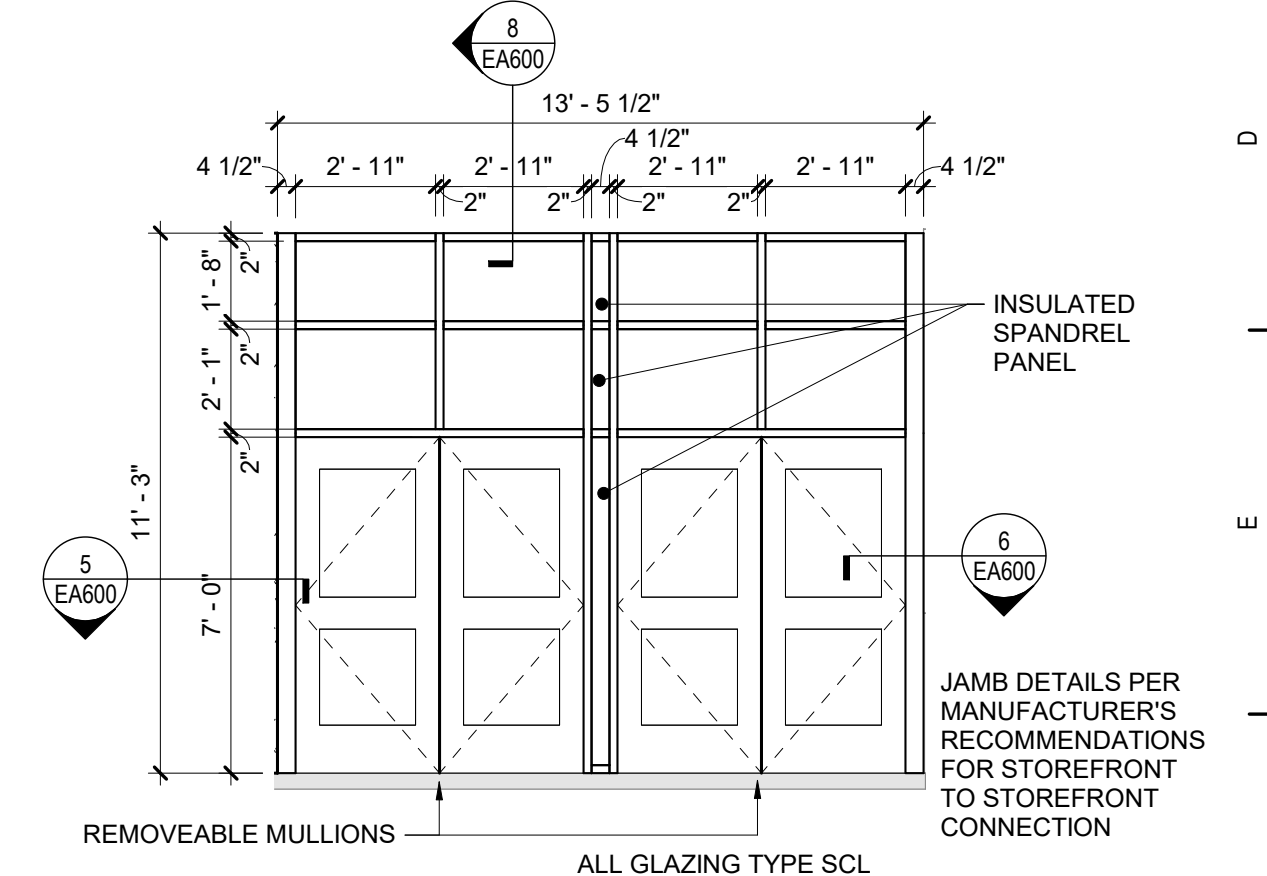
6 Storefront Jamb Detail
3\"/>



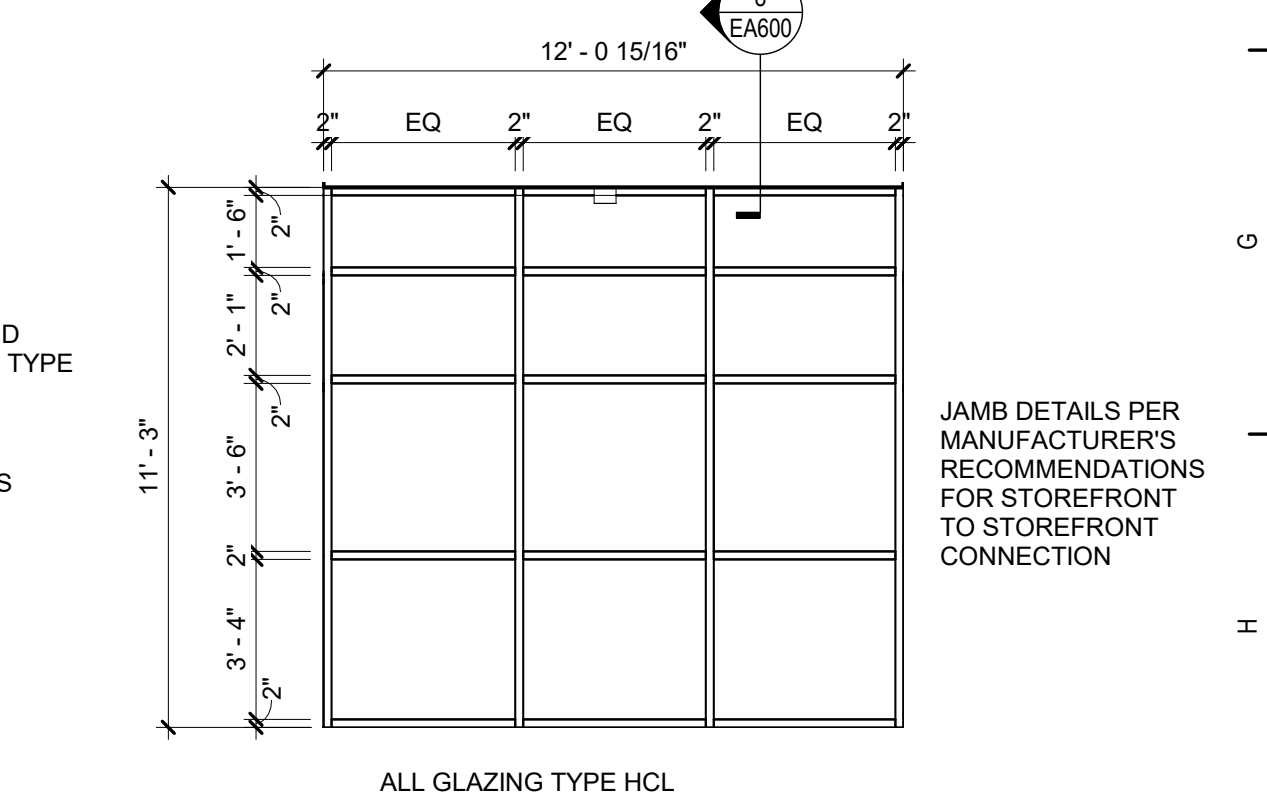
7 Hollow Metal Frame Details
1 1/2\"/>



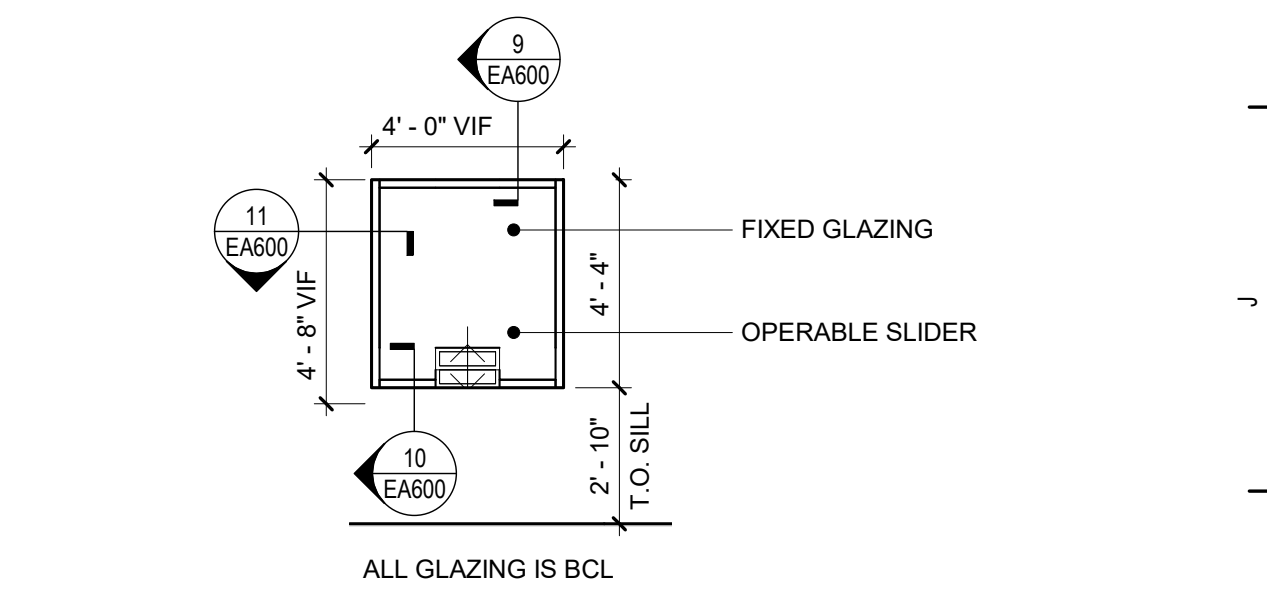
1 STOREFRONT SE1
1/4\"/>



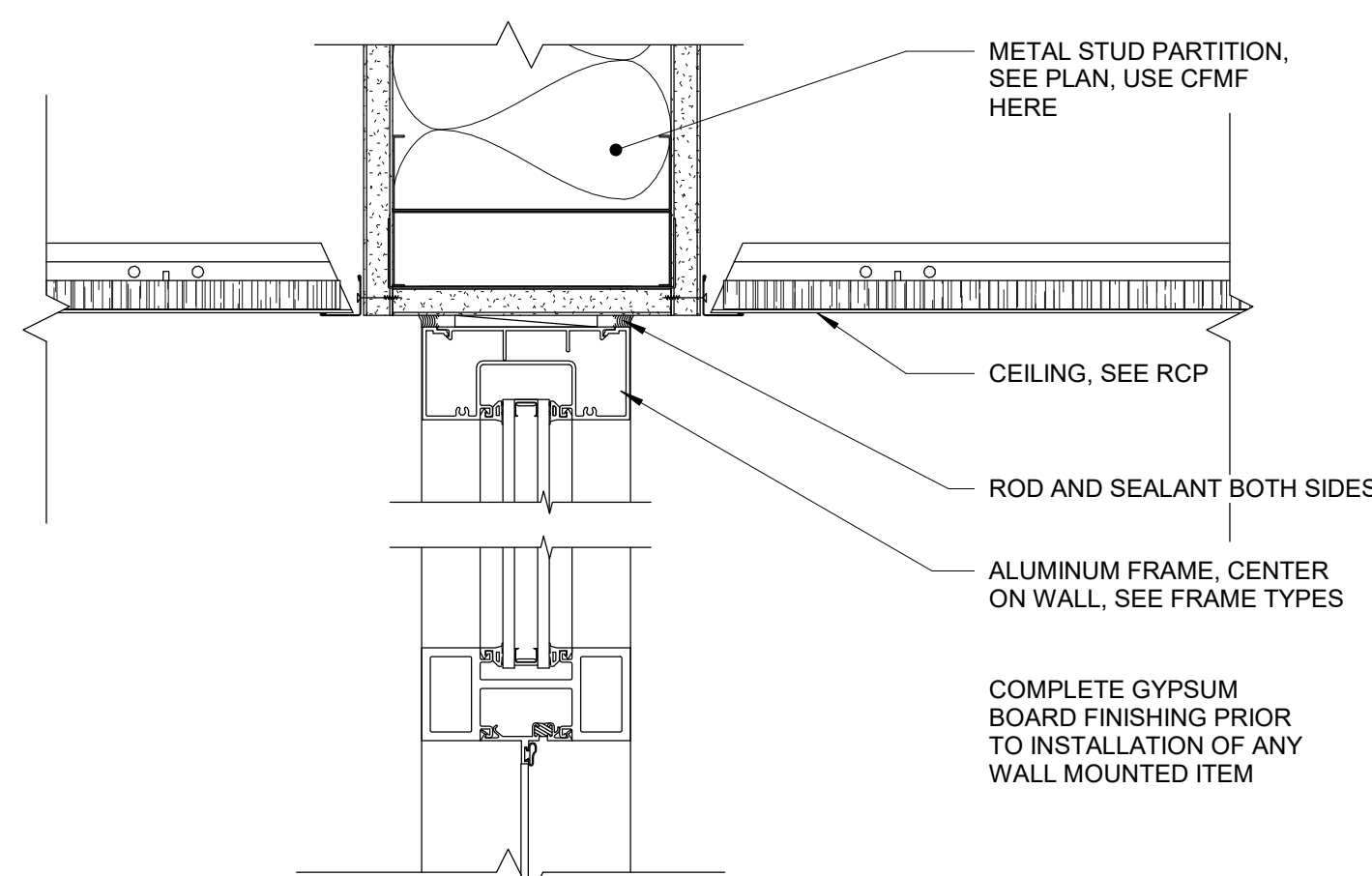
2 STOREFRONT SE2
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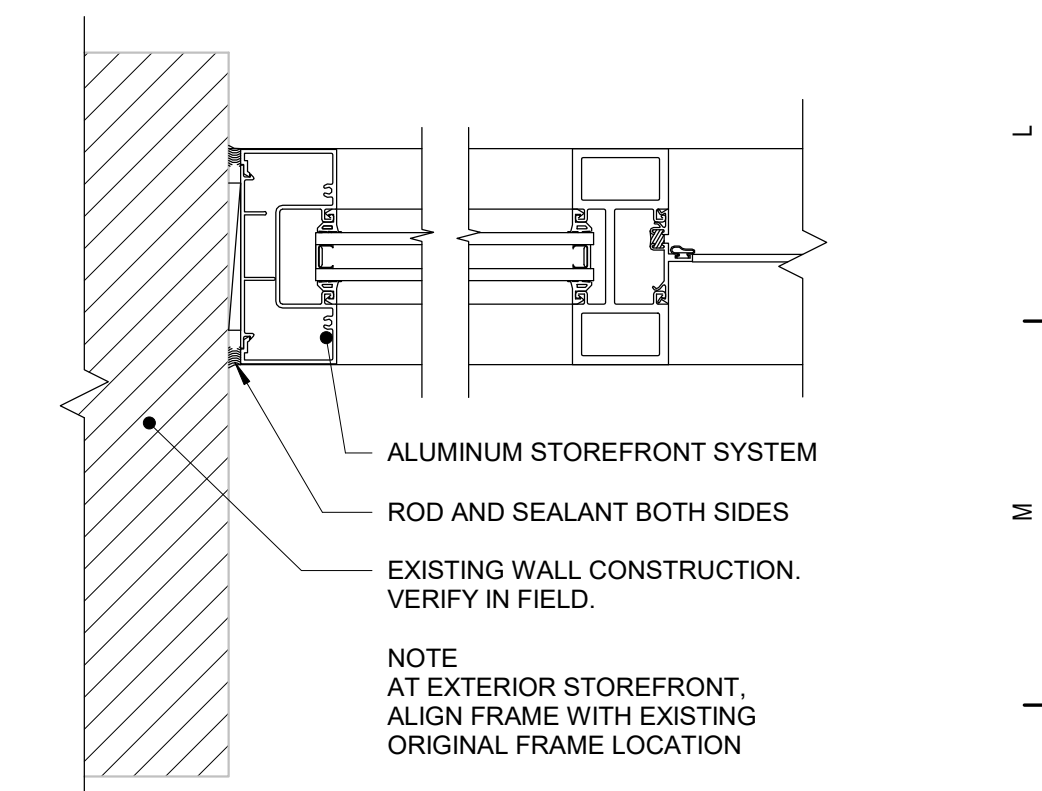
3 STOREFRONT SE3
1/4\"/>



4 WINDOW TYPE XE1
1/4\"/>



8 Storefront Head Interior
3\"/>



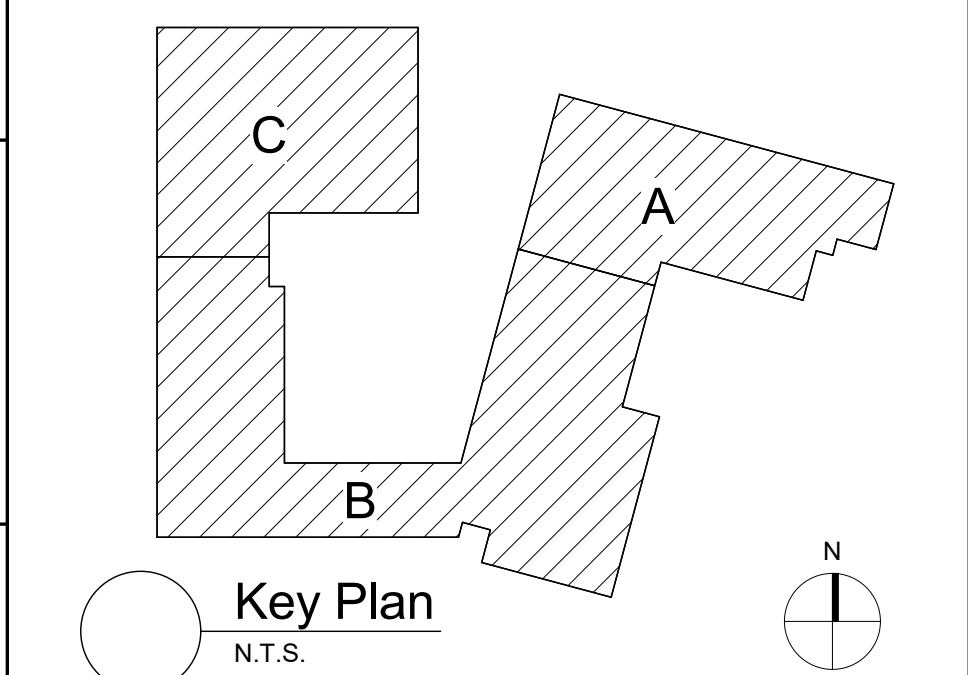
5 Storefront Jamb
3\"/>

General Door Notes

- HARDWARE ON DOORS FROM SPACES OF PUPL, OCCUPANCY SHALL BE A TYPE WHICH WILL ALWAYS PERMIT THE DOOR TO BE OPENED FROM THE INSIDE WITHOUT DIRECT MANIPULATION OF ANY TYPE LOCKING DEVICE.
- METAL VISION PANEL TRIM SHALL BE PAINTED SAME COLOR AS DOOR FRAMES.
- ALL DOORS WITH ELECTRO-MAGNETIC HOLD OPEN DEVICES SHALL SWING TOWARDS ADJACENT WALLS. COORDINATE ALL INSTANCES WITH CONTRACTOR RESPONSIBLE FOR ELECTRICAL WORK, AND SEE ELECTRICAL DWGS.
- ALL DOOR HARDWARE FROM OCCUPIED SPACES SHALL BE OF A TYPE THAT WILL ALWAYS PERMIT THE DOOR TO BE OPENED FROM WITHIN THE SPACE WITHOUT USE OF A KEY.
- ALL HM FRAMES IN CMU WALLS SHALL BE GROUTED SOLID.
- APPLY CONTINUOUS JOINT SEALANT TO ALL JOINTS BETWEEN FRAMES AND WALLS. TYP ALL.
- PAIN ALL HM DOORS AND FRAMES IN ACCORDANCE W/ SECTION 099000.
- PROVIDE LINTELS AT ALL DOOR AND WINDOW OPENINGS IN ACCORDANCE WITH LINTEL SCHEDULE ON STRUCTURAL DWGS.
- PROVIDE WINDOW TREATMENTS AT SIDELIGHTS, EXCLUDING TRANSOM DIRECTLY ABOVE DOORS. REFER TO WINDOW TREATMENT PLANS FOR LOCATIONS.
- NOTE THAT DUE TO REQUIREMENTS IN THE BCNYS, SOME FIRE RESISTANCE RATINGS MAY DIFFER BETWEEN DOORS (AND ITS GLASS, IF ANY) AND THAT DOORS FRAME ESPECIALLY IF THAT FRAME HAS GLASS (SIDELIGHTS, TRANSOMS, ETC).

General Window Notes

- INSULATING GLASS UNITS SHALL BE TYPE FCE/SCL, TYP UNO.
- RESCUE WINDOWS ARE INDICATED BY THE DESIGNATION "RW".
- PROVIDE ALL ALUMINUM FLASHINGS, RECEIVERS, TRIM AND SILLS REQUIRED FOR A COMPLETE AND FINISHED INSTALLATION REGARDLESS OF IF SHOWN ON DRAWINGS.
- REFER TO WINDOW TREATMENTS AS SHOWN ON DRAWINGS.
- GLAZING SYSTEMS FRAME TYPE KEY:
 - C ALUMINUM CURTAIN WALL
 - F HOLLOW METAL
 - S ALUMINUM STOREFRONT
 - X ALUMINUM SECURITY WINDOWS
- PROVIDE INTERNAL STEEL REINFORCEMENT TO WINDOW, STOREFRONT AND CURTAIN WALL SYSTEMS AS REQUIRED TO COMPLY WITH WIND LOADING OR OTHER DESIGN CRITERIA, OR AS RECOMMENDED BY MANUFACTURER.
- ALUMINUM WINDOW, STOREFRONT AND CURTAIN WALL FRAME EXTRUSIONS ARE INTENDED AS GENERIC GRAPHIC REPRESENTATIONS ONLY.



S.E.D. Control No. 62-18-01-06-0-001-019

Rev. No.: Date: Description:



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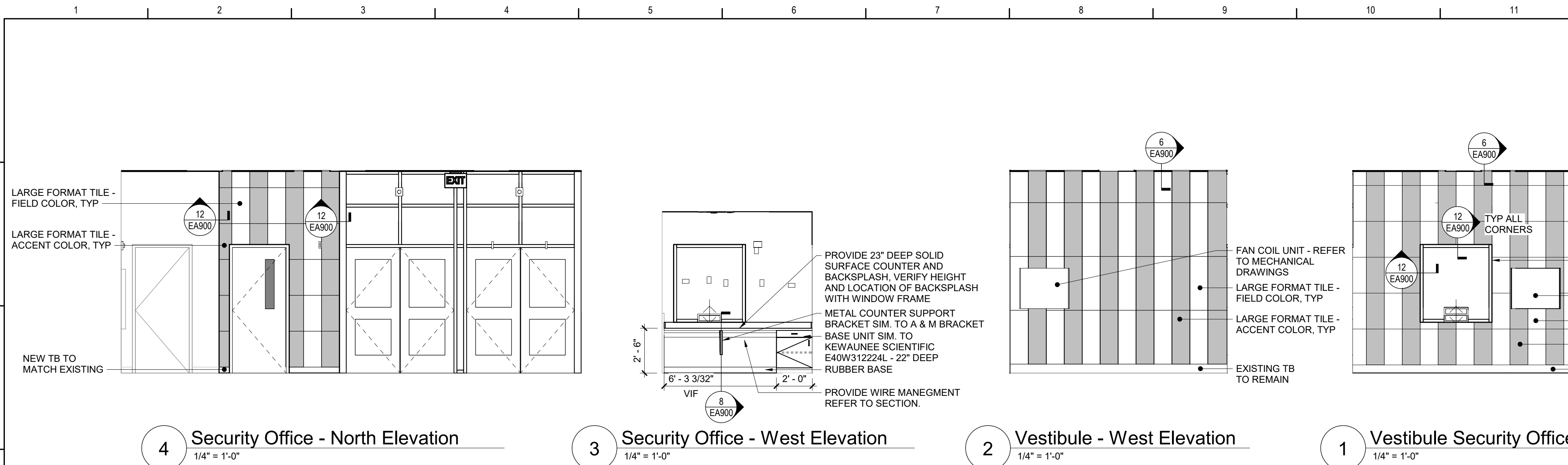


Walkkill Central School District
Walkkill, New York

Reconstruction to:
Leptondale Elementary School

Door Schedule, Door and Window
Types, and Details

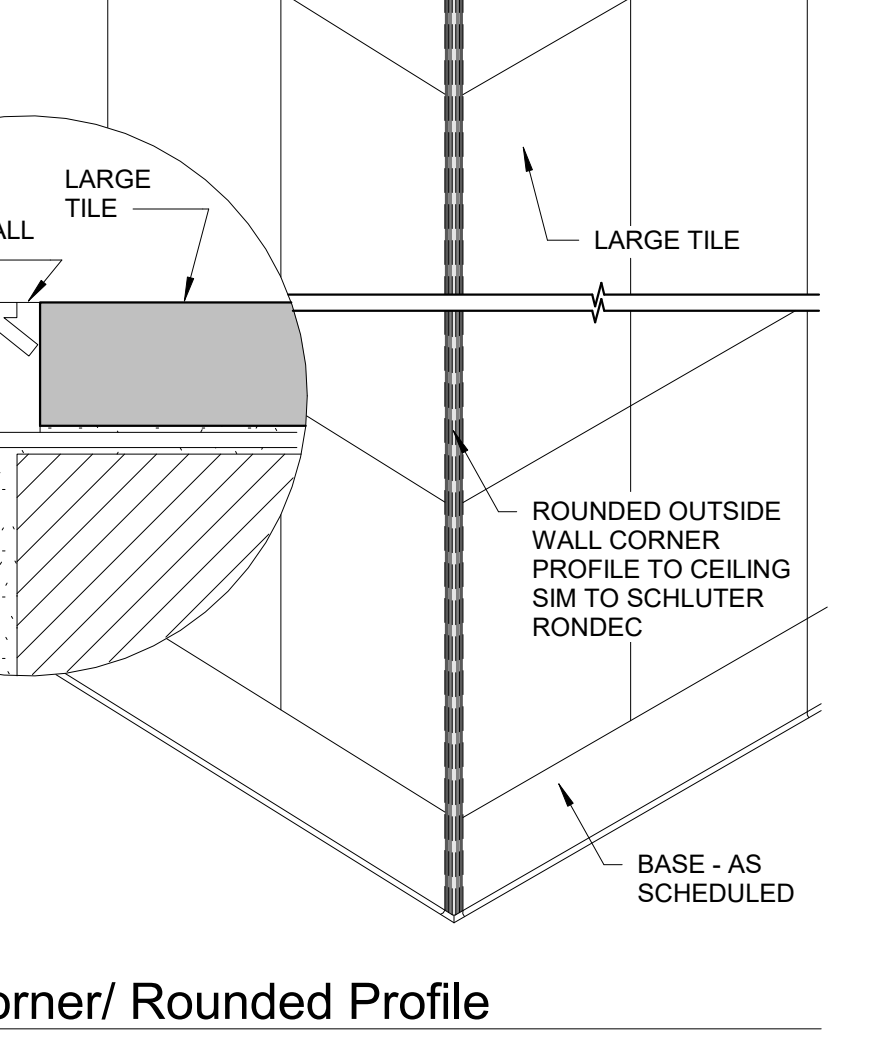
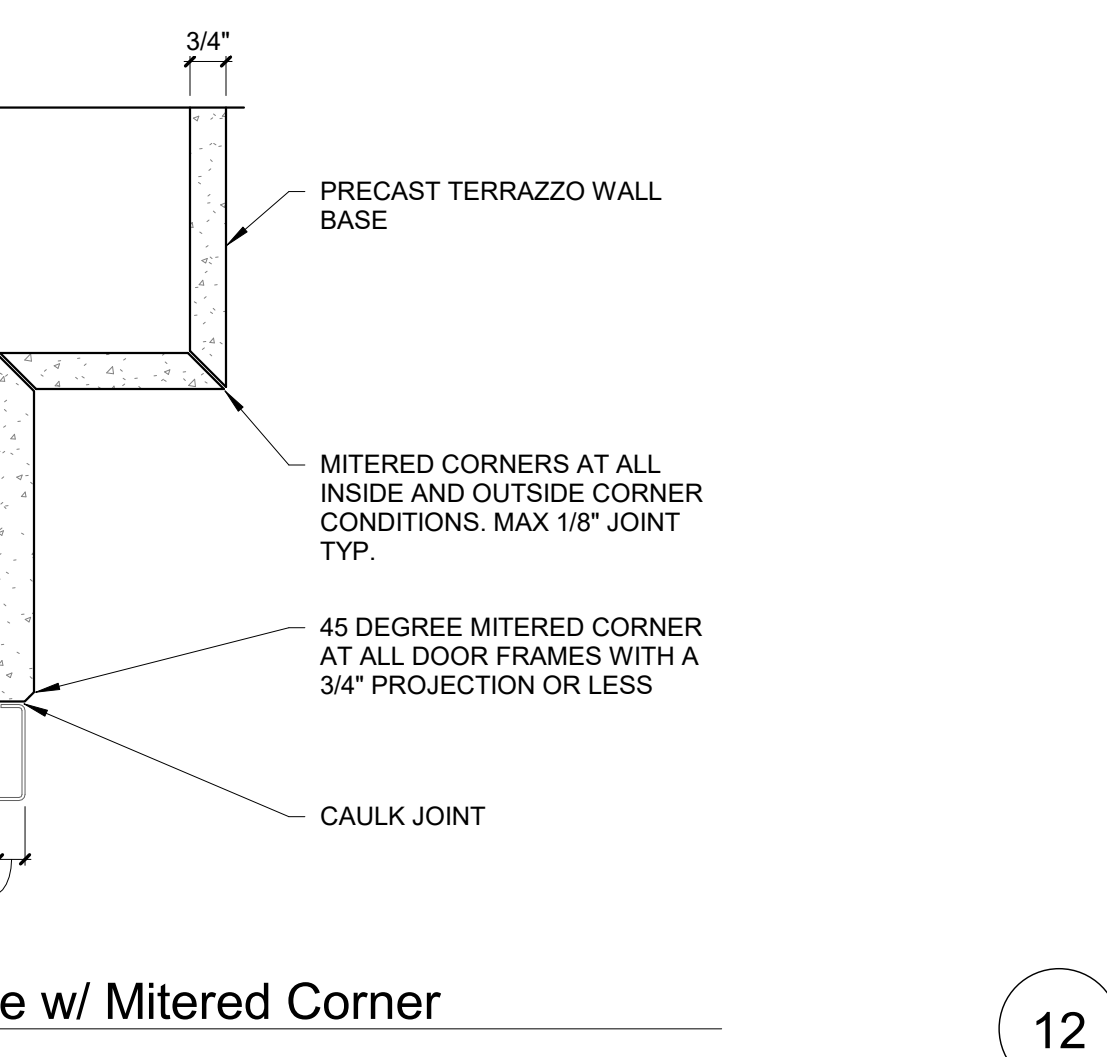
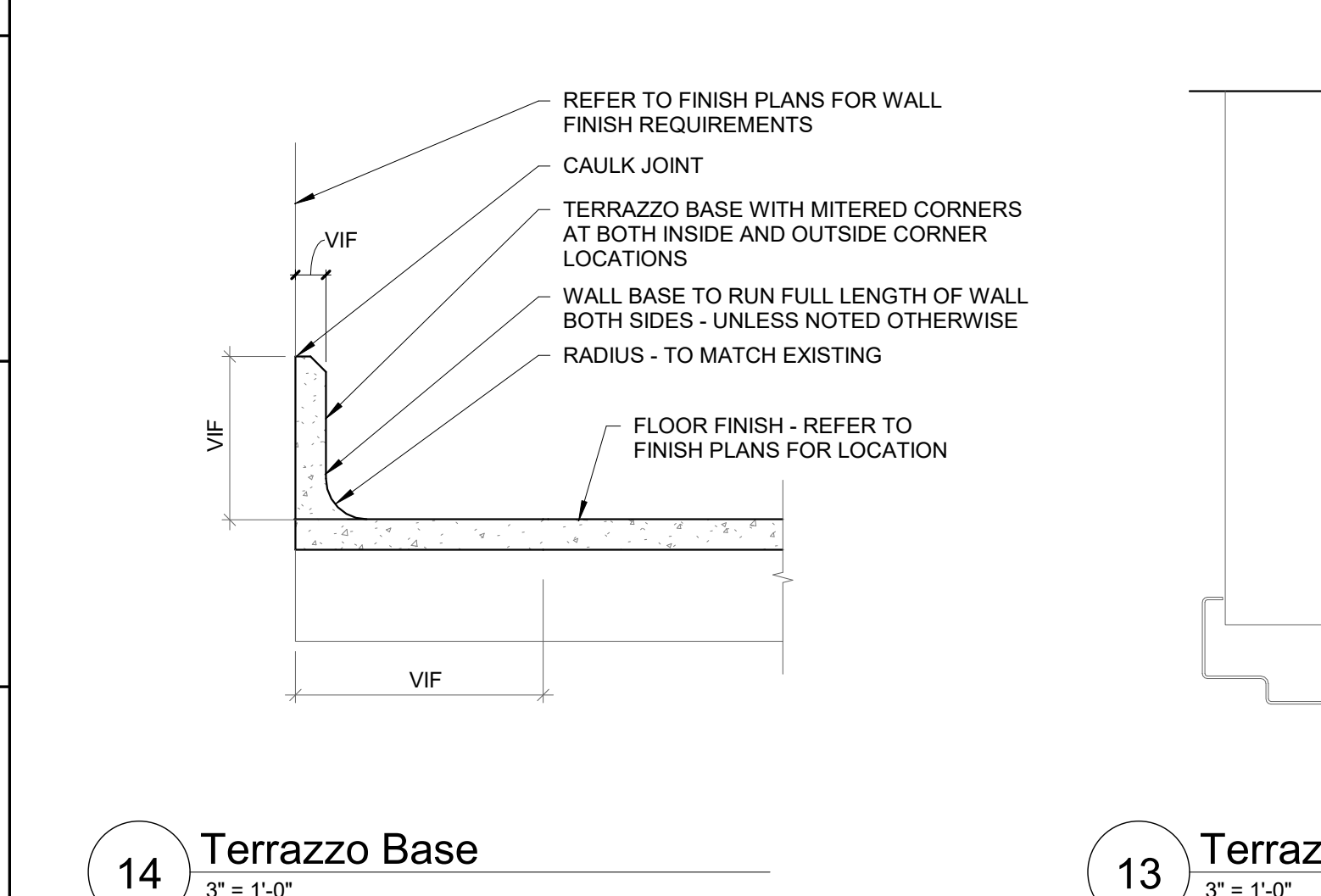
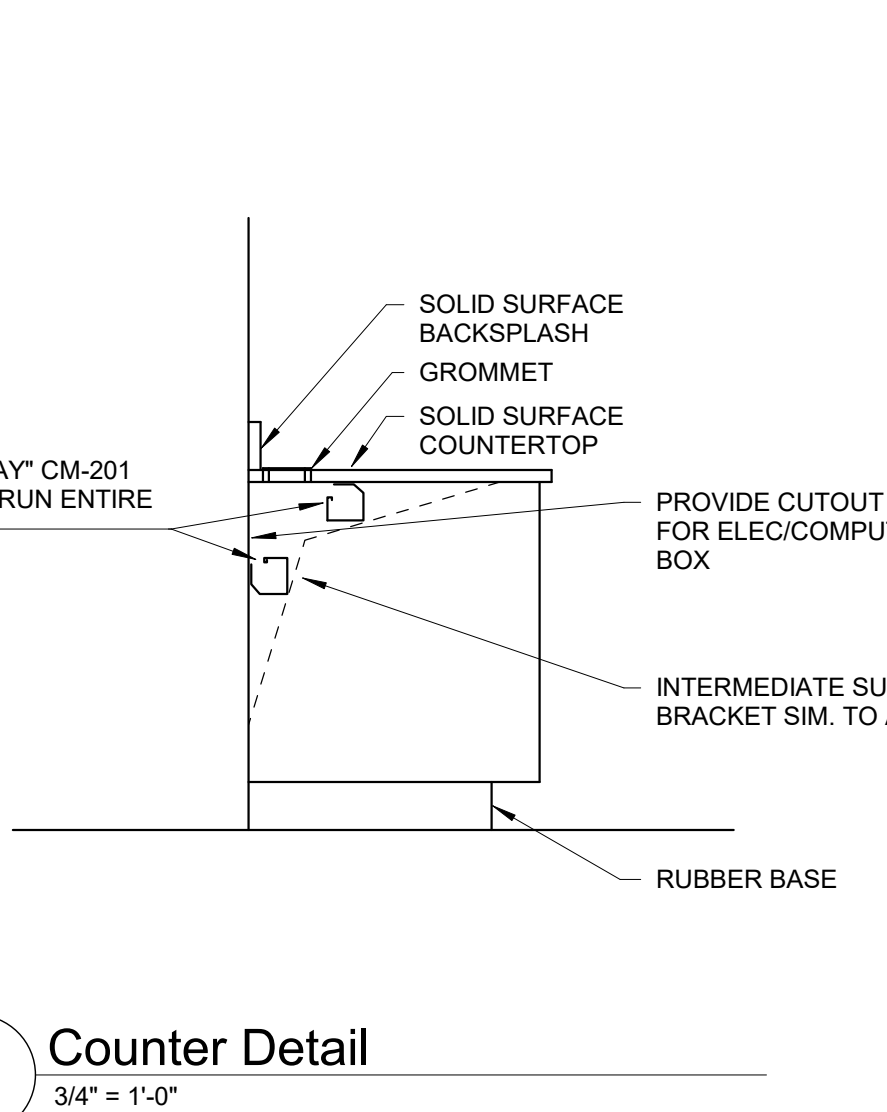
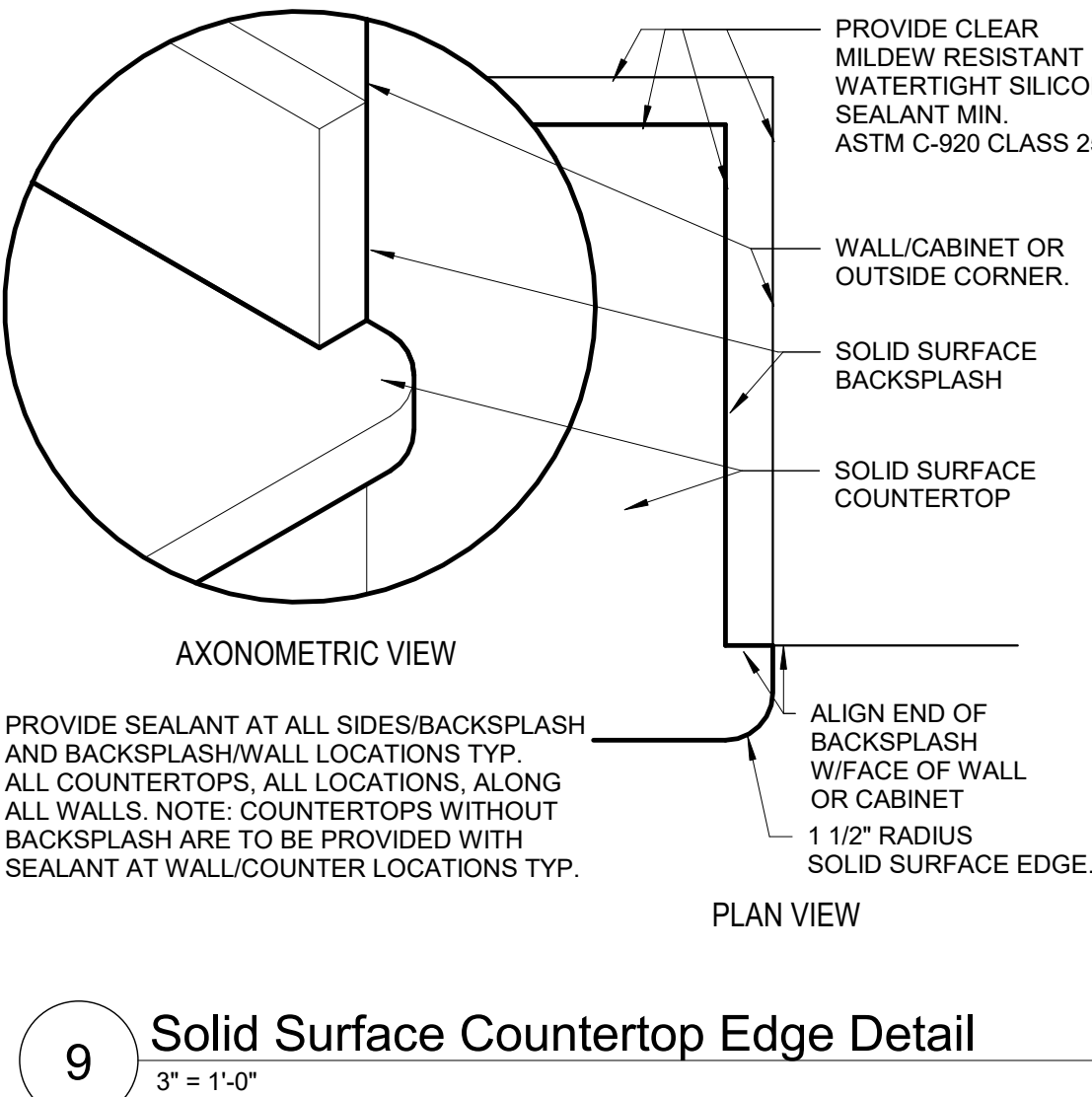
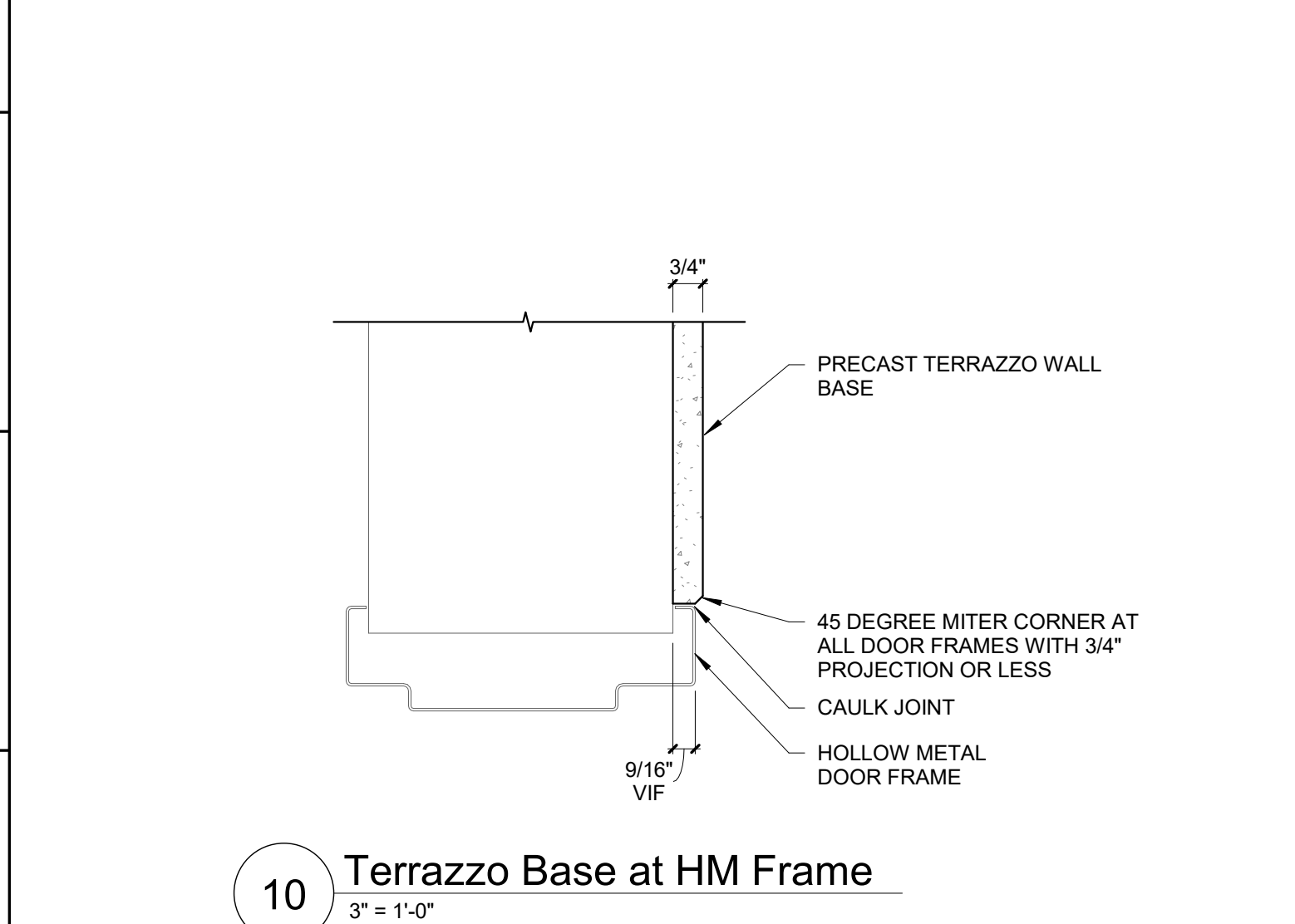
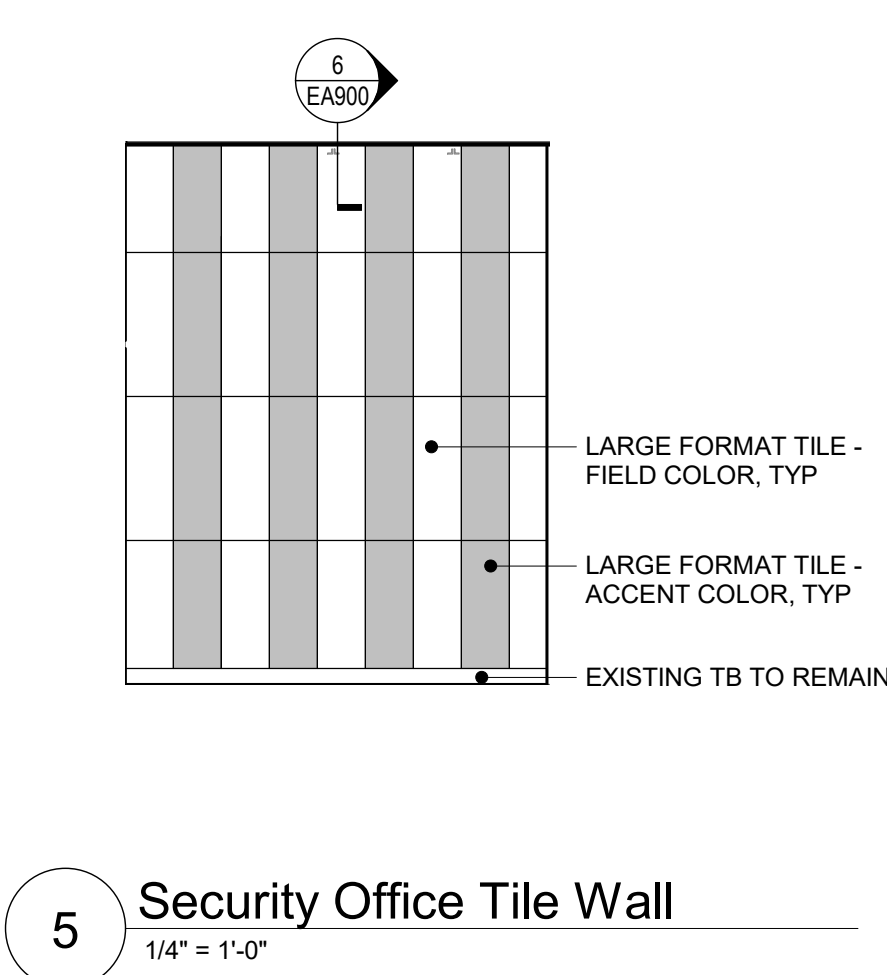
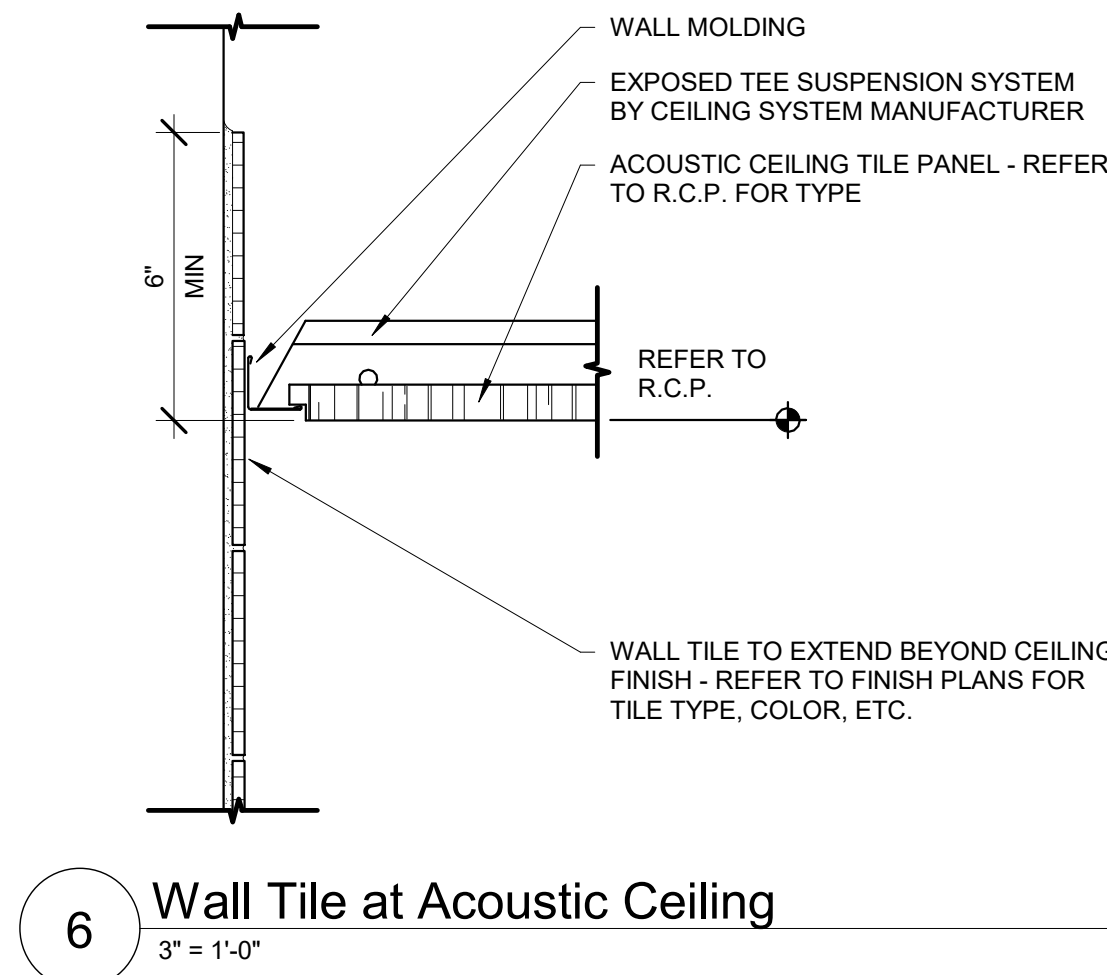
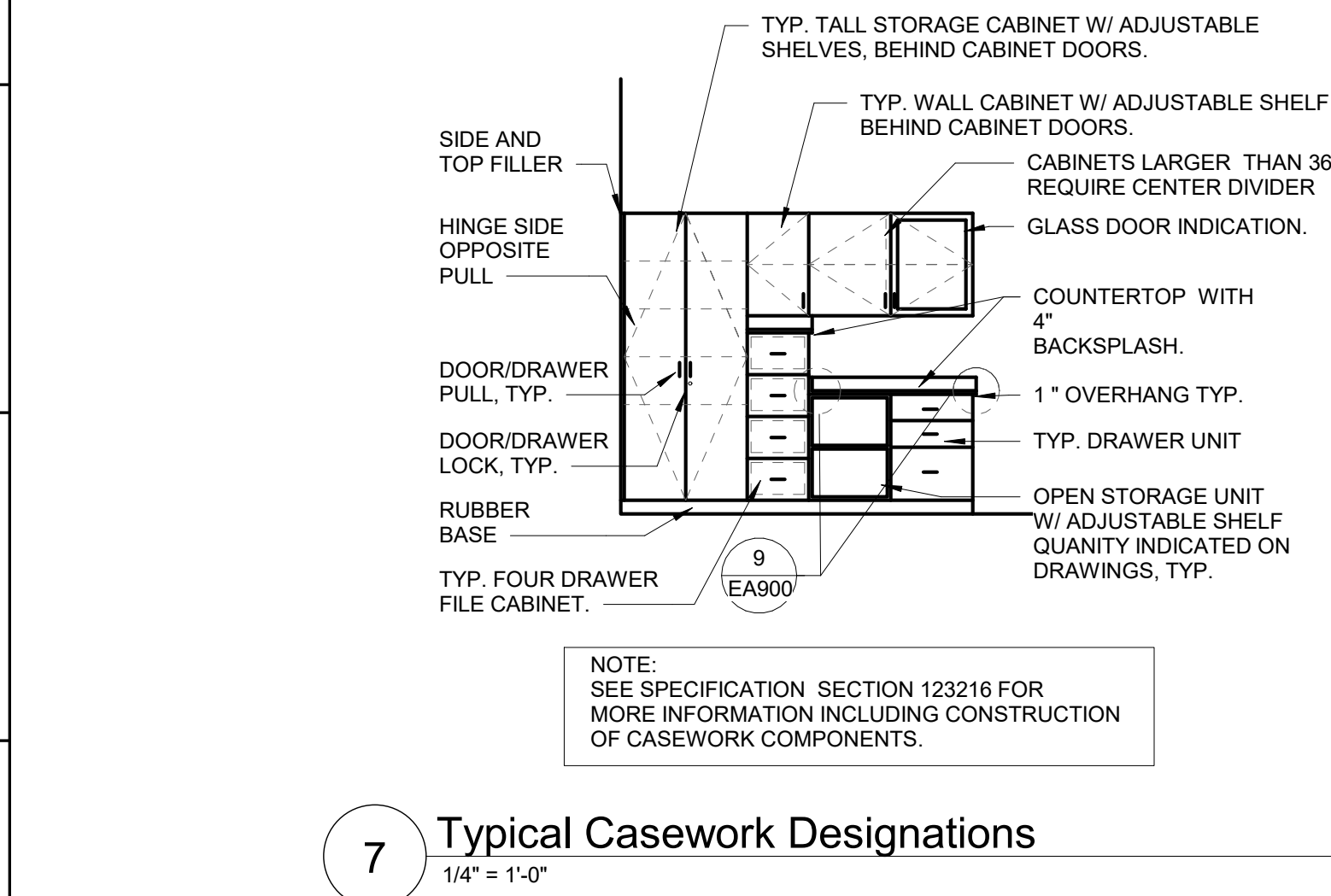
Drawn By: TTAE Date: 11/4/2022 Drawing Number: 17597-22001
EA600



General Finish Notes

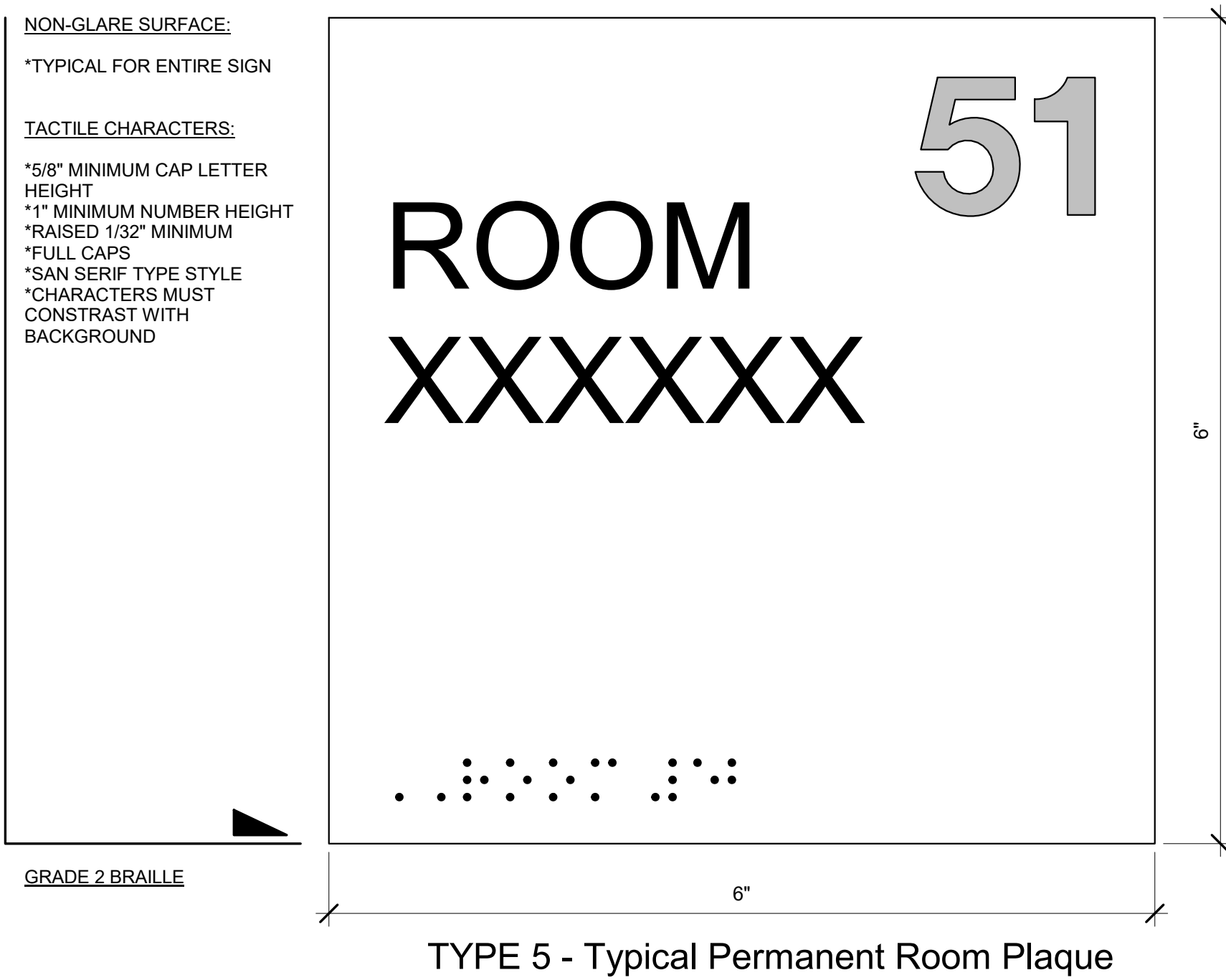
ALL FINISH PRODUCTS ARE TO BE INSTALLED IN ACCORDANCE WITH CONTRACT SPECIFICATION AND MANUFACTURES INSTRUCTIONS. REFER TO SPECIFICATIONS AND FINISH DETAILS FOR ADDITIONAL INFORMATION ON INSTALLATION OF SPECIFIED MATERIALS.

- A. ALL PAINTS FOR INTERIOR AND EXTERIOR ARE TO BE APPLIED IN ACCORDANCE WITH SPECIFICATION SECTION 09 91 00 AND 09 96 00.
- B. ALL EXPOSED STRUCTURES, INCLUDING BUT NOT LIMITED TO PIPING AND FIREPROOFING, CONDUIT, AND ALL ASSOCIATED EQUIPMENT ARE TO BE PAINTED.
- C. APPLY PAINT TO BOTH NEW AND EXISTING ITEMS IN ALL AREAS. DRAWINGS INCLUDING ALL ACCENT LOCATIONS. SUBMIT SHOP DRAWINGS SHOWING DETAILED LAYOUTS OF EACH AREA, INCLUDING EDGES AND TRANSITIONS. ALL LAYOUTS ARE TO BE CENTERED IN EACH ROOM UNO. TYP ALL DRAWINGS. ABOVE REQUIREMENTS ARE TO INCLUDE BUT NOT LIMITED TO:
- FEG'S, LADDERS, BEAMS, DOORFRAMES - BOTH SIDES GLAZING FRAMES IN DOORWALLS- BOTH SIDES, ALL EXPOSED STAIR PARTS INCLUDING RAILINGS, HAND AND GUARD RAILS, STRINGERS AND UNDERSIDES OF STAIRS, ALL ITEMS ARE TO BE ACCENT COLORS.
- D. PATTERNS FOR FLOORS AND WALLS ARE AS SHOWN ON DRAWINGS INCLUDING ALL ACCENT LOCATIONS. SUBMIT SHOP DRAWINGS SHOWING DETAILED LAYOUTS OF EACH AREA, INCLUDING EDGES AND TRANSITIONS. ALL LAYOUTS ARE TO BE CENTERED IN EACH ROOM UNO. TYP ALL DRAWINGS. ABOVE REQUIREMENTS ARE TO INCLUDE BUT NOT LIMITED TO:
- CERAMIC TILE, BOTH WALL AND FLOOR.
 - PORCELAIN PAVERS
 - QUARRY TILE
 - TERRAZZO AND BASE
 - CARPET
 - VCT
 - SHEET VINYL
 - LINOLEUM
 - RUBBER
- E. FIELD AND ACCENT PAINT AS SHOWN ON DRAWINGS. CONTRACTOR IS TO ASSUME ALL FIELD AND ACCENT COLORS ARE DIFFERENT ROOM TO ROOM. AS WELL AS WITHIN EACH ROOM, REQUIREMENTS ARE TO INCLUDE BUT ARE NOT LIMITED TO:
- WALL, FIELD COLOR
 - WALL, ACCENT COLOR
 - CEILING CLOUDS, ACCENT COLOR
 - SOFFITS, ACCENT COLOR
 - DOOR AND WINDOW FRAMES, ACCENT COLOR
 - EXPOSED COLUMNS, ACCENT COLOR
 - GUARDRAILS, ACCENT COLOR
 - HANDRAILS, ACCENT COLOR
 - EXPOSED DECKS, ACCENT COLOR
 - EXPOSED JOISTS, ACCENT COLOR
 - EXPOSED DUCTWORK, ACCENT COLOR
- F. PAINT MECHANICAL ROOM FLOOR CURBS CAUTION YELLOW.
- G. PROVIDE PAINT AT ALL NEW SOFFITS, REFER TO REFLECTIVE CEILING PLANS FOR ADDITIONAL LOCATIONS.
- H. ALL EXPOSED BRICK, GROUND FACE BLOCK IS TO REMAIN UNPAINTED, UNO.
- J. CONFIRM WITH OWNER AND ARCHITECT PRIOR TO PAINTING OVER MURALS ON EXISTING SURFACES.
- K. CERAMIC WALL TILE IS TO RUN FLOOR TO CEILING UNO.
- L. PROVIDE PAINT AND RUBBER BASE AT ALL NEW CHASES, REFER TO NEW WORK PLANS FOR ADDITIONAL LOCATIONS.
- M. REFER TO STRUCTURAL DRAWINGS FOR LOCATIONS OF SLAB DEPRESSIONS. REFER TO FINISH MATERIAL SPECIFICATION SECTIONS FOR SLAB DEPRESSION DEPTH REQUIREMENTS.
- N. REFER TO STRUCTURAL DRAWINGS FOR LOCATIONS OF SLAB DEPRESSIONS. REFER TO FINISH MATERIAL SPECIFICATION SECTIONS FOR SLAB DEPRESSION DEPTH REQUIREMENTS.
- P. CARPET IS TO RUN WALL TO WALL, UNDER ALL FURNITURE, MOVEABLE EQUIPMENT AND LIBRARY SHELVING UNITS, INCLUDING ALL UNITS AT THE PERIMETER WALLS.
- Q. FOR ALL RENOVATED AREAS REQUIRING FINISH WORK REMOVE, PROTECT AND REINSTALL MOVABLE EQUIPMENT INCLUDING BUT NOT LIMITED TO: BOARD UNITS, LOCKERS GYM EQUIPMENT, SHADES/BLINDS, BOOKCASES ETC. REINSTALL IN ORIGINAL LOCATION, OR AS NOTED ON DRAWINGS, COORDINATE WITH OWNER. REFER TO SFGD SECTION 01 23 00 ALTERATION PROJECT PROCEDURES FOR MORE INFORMATION.
- R. FIELD VERIFY ALL CONTROL JOINTS LOCATIONS IN CONCRETE SLAB. LOCATE CONTROL JOINTS IN EXISTING FLOOR FINISH MATERIAL, DIRECTLY ABOVE SLAB JOINTS OR AS RECOMMENDED BY FLOORING MATERIAL MANUFACTURER.
- AT EXISTING SLABS, FIELD VERIFY LOCATIONS OF EXISTING SLAB CONTROL JOINTS.
 - AT NEW SLABS REFER TO STRUCTURAL DRAWINGS FOR SLAB CONTROL JOINT LOCATIONS.
- S. PROVIDE ALL FINISHES AS INDICATED BY ROOM FINISH BOX AND/OR AS NOTED ON DRAWINGS.



Signage Notes

- A. ALL ROOM NAMES AND NUMBERS ARE SUBJECT TO CHANGE, SUPPLIER TO VERIFY WITH SCHOOL DISTRICT DURING CONSTRUCTION PHASE, PRIOR TO SUBMITTAL PHASE, FOR FINAL ROOM NAMES AND NUMBERS.
- B. ALL PERMANENT ROOMS TO RECEIVE ROOM IDENTIFICATION SYSTEM CONTAINING BOTH TEXT AND ROOM NUMBERS.
- C. PROVIDE BARRIER-FREE AND TACTILE SIGNAGE AT ALL LOCATIONS REQUIRED BY CODE AND AS SHOWN ON THE ARCHITECTURAL DRAWINGS.
- D. COORDINATE MOUNTING HEIGHTS AS PER CABO/ANSI A117.1 AND AS PER MANUFACTURER'S RECOMMENDATIONS.
- E. ALL COLORS TO BE ISSUED DURING CONSTRUCTION.
- F. PROVIDE SIGNS AS PER SIGNAGE SCHEDULE AS REQUIRED BY CODE AND SIGNAGE DRAWING.
- G. REFER TO SPECIFICATIONS SECTION 10 14 00 FOR MORE INFORMATION.



11 Typical Permanent Room Plaque
12" = 1'-0"

S.E.D. Control No. 62-18-01-06-0-001-019

Rev. No.: Date: Description:



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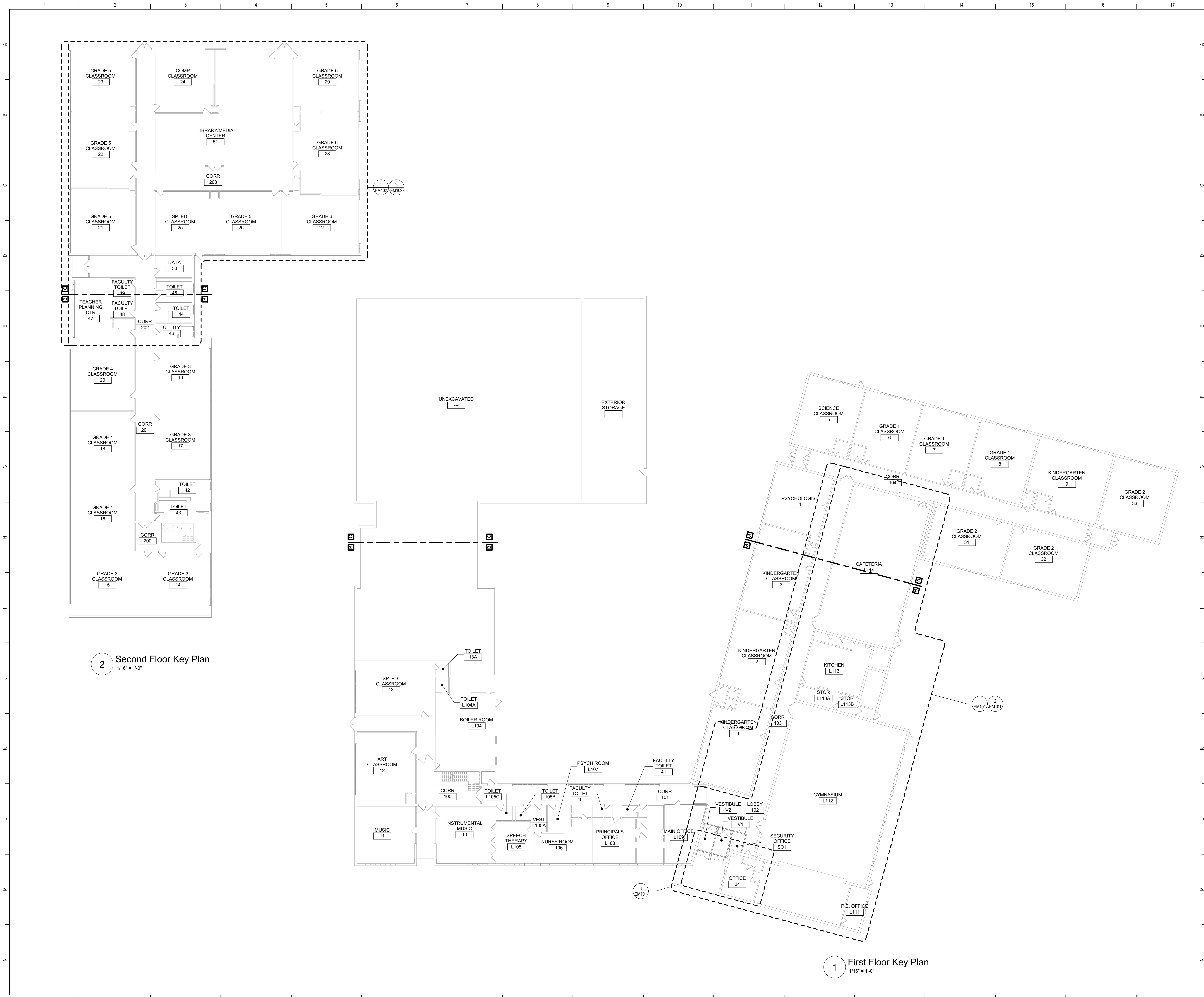
Wallkill Central School District
Wallkill, New York

Reconstruction to:
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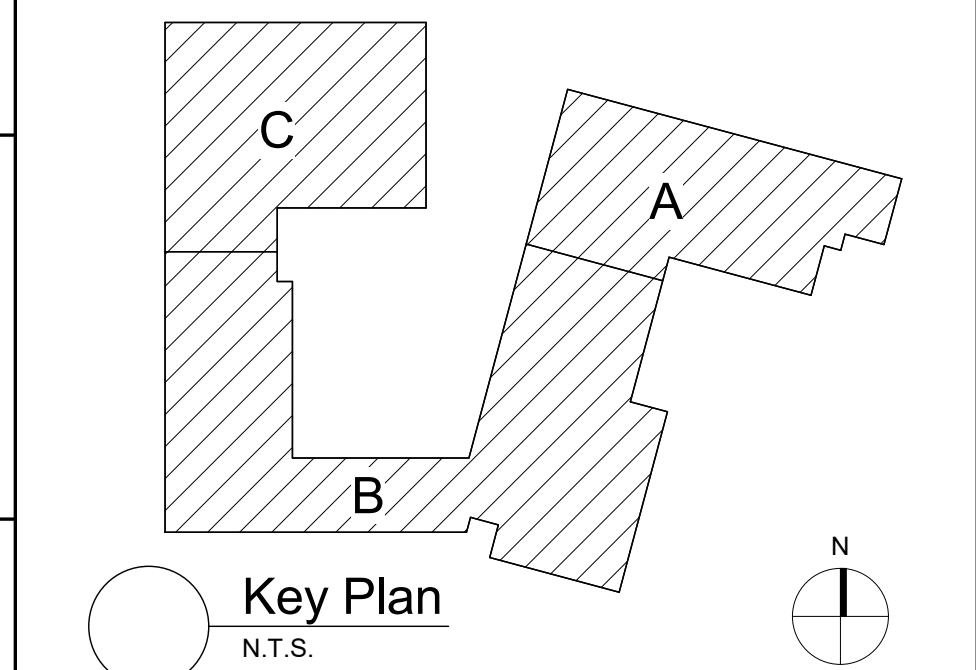
Interior Elevation, Details and Signage

Drawn By: TTAE Date: 11/4/2022 Drawing Number: EA900
Project No.: 17597-22001

1/8" = 1'-0"
DATUM FOR EXG TOS IS AT 108'-10 5/8" - VPI

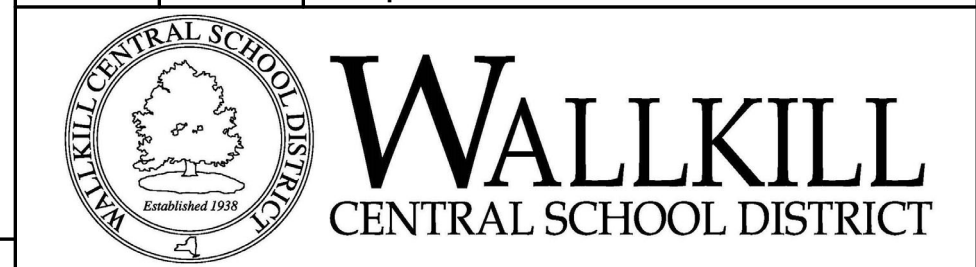


- General Notes**
- A. THE FOLLOWING GENERAL NOTES APPLY TO ALL "EM" SERIES DRAWINGS.
- B. REFER TO ALL CONTRACT DOCUMENTS, DRAWINGS AND SPECIFICATIONS, FOR DETAILED STANDARDS AND REQUIREMENTS. REPORT UNSAFE OR UNSATISFACTORY CONDITIONS IN WRITING TO ARCHITECT AND RESOLVE ISSUES BEFORE PROCEEDING.
- C. WORK INCLUDES ALL LABOR AND MATERIALS REQUIRED TO PROVIDE COMPLETE WORKING SYSTEMS.
- D. COORDINATE PHASING REQUIREMENTS AT JOB MEETINGS AND ON WORK SCHEDULES.
- E. DO NOT SCALE DRAWINGS. PIPING AND DUCTWORK ARE SHOWN DIAGRAMMATICALLY. IT IS NOT POSSIBLE TO SHOW EVERY TRANSITION, FITTING, ASPECT RATIO CHANGE, ETC.; PROVIDE AS REQUIRED TO FIT WITHIN STRUCTURAL CONSTRAINTS. EXAMINE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED AND VERIFY ALL ACCESS, LOCATIONS, DIMENSIONS, ARRANGEMENTS, ELECTRICAL CHARACTERISTICS AND INTERFERENCE IN THE FIELD PRIOR TO BID.
- F. VERIFY EXTENT OF CEILING WORK SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS. PROVIDE FOR ADDITIONAL CEILING SYSTEM REMOVAL, PROTECTION, AND REINSTALLATION AS REQUIRED FOR CONTRACT WORK.
- G. DEMOLITION DRAWINGS SHOW THE GENERAL SCOPE OF ITEMS AND SYSTEMS TO BE REMOVED. IT IS NOT THE INTENT TO SHOW ALL ITEMS TO BE REMOVED. FIELD VERIFY AND REMOVE ALL ASSOCIATED ITEMS BACK TO POINT OF CONTINUED SERVICE, UNLESS OTHERWISE NOTED. VERIFY WHAT ALL EQUIPMENT SERVES PRIOR TO REMOVAL.
- H. GIVE ALL REMOVED EQUIPMENT TO THE OWNER. DELIVER ON SITE WHERE DESIGNATED BY THE OWNER. PROMPTLY REMOVE FROM THE SITE AND LEGALLY DISPOSE OF ANY SUCH ITEMS DECLINED BY OWNER.
- I. IF UNANTICIPATED MECHANICAL, ELECTRICAL, OR STRUCTURAL CONFLICTS ARE ENCOUNTERED, INVESTIGATE AND REPORT BOTH NATURE AND EXTENT OF THE CONFLICT. RE-ROUTE WORK AS REQUIRED.
- J. CUT, DRILL, OR OTHERWISE CREATE OPENINGS AS NEATLY AS POSSIBLE, AS REQUIRED FOR THE INDICATED CONTRACT WORK. PROVIDE SUPPORT AS REQUIRED FOR AND USE METHODS LEAST LIKELY TO DAMAGE ELEMENTS TO REMAIN. PRIOR TO WORK, VERIFY LOCATIONS OF ALL STRUCTURAL MEMBERS INCLUDING CROSS BRACING, ELECTRICAL WIRING, PLUMBING, ETC. PROMPTLY NOTIFY ARCHITECT OF ANY CONFLICTS. DO NOT CUT ANY STRUCTURAL MEMBERS OR OTHER SERVICES UNTIL SPECIFICALLY DIRECTED TO DO SO, PENDING RECEIPT OF DIRECTIVE. REARRANGE SCHEDULE AS NECESSARY TO CONTINUE OVERALL JOB PROGRESS WITHOUT DELAY.
- K. PATCH ALL DISTURBANCES RESULTING FROM DEMOLITION OR NEW WORK TO MATCH SURROUNDING SURFACES. PATCH FOLLOWING DEMOLITION, AND AGAIN FOLLOWING WORK, WHERE HOLES REMAIN FROM REMOVALS, INFILL AND PATCH TO MATCH UNLESS HOLE IS TO BE REUSED.
- L. PROTECT ALL CONTRACT EQUIPMENT, ELEMENTS TO REMAIN, OWNER'S BELONGINGS, AND EQUIPMENT TO BE REUSED OR RETAINED BY OWNER DURING ALL CONTRACT WORK. AT NO ADDITIONAL COST TO OWNER, REPAIR OR REPLACE ITEMS WHICH ARE DAMAGED.
- M. THOROUGHLY CLEAN FOLLOWING DEMOLITION AND BEFORE BEGINNING CONTRACT INSTALLATIONS. THOROUGHLY CLEAN AGAIN DURING AND FOLLOWING CONTRACT WORK AS REQUIRED. LEAVE ALL WORK AREAS CLEANER THAN FOUND. LEGALLY DISPOSE OF ALL CONSTRUCTION DEBRIS.
- N. PROVIDE TEMPORARY PIPING, DUCT, HEAT, WEATHERPROOFING, ETC. TO SERVICES TO REMAIN UNTIL PERMANENT INSTALLATIONS CAN BE MADE.
- O. ALL EXCESS MATERIALS AND SCRAPS ARE CONTRACTOR'S PROPERTY. PROMPTLY REMOVE FROM SITE UNLESS SPECIFICALLY DIRECTED OTHERWISE.
- P. EXISTING HVAC COMPONENTS IN THIS BUILDING MAY CONTAIN, BE IN PROXIMITY TO, OR, WORK ON THEM MAY CAUSE DISTURBANCE OF, ASBESTOS CONTAINING OR OTHER HAZARDOUS MATERIALS. REFER TO ABATEMENT SERIES DRAWINGS AND SPECIFICATIONS COMPLETE FOR ADDITIONAL INFORMATION. PROVIDE FOR RE-INSULATION AS SPECIFIED FOR ALL EXISTING TO REMAIN HVAC COMPONENTS WHERE INSULATION IS REMOVED AS A PART OF ABATEMENT WORK.
- Q. SEAL ALL FLOOR, WALL AND CEILING PENETRATIONS PER FIRE-RESISTANCE RATINGS, NOTED ON EG-SERIES DRAWINGS, BUT NOT LESS THAN 1-HOUR, AND IN ACCORDANCE WITH SECTION 07 84 13 - PENETRATION FIRESTOPPING. THIS INCLUDES ALL NEW PENETRATIONS AND EXISTING UNFIRESTOPPED PENETRATIONS CREATED BY REMOVALS, AS REQUIRED TO PERFORM THE WORK.



S.E.D. Control No. 62-18-01-06-0-001-019

Rev. No.: Date: Description:



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Wallkill Central School District
Wallkill, New York

Reconstruction to:
Leptondale Elementary School

First and Second Floor Key Plans

Drawn By: JPF/1/pgm Date: 11/4/2022 Drawing Number: EM051
Project No.: 17597-22001



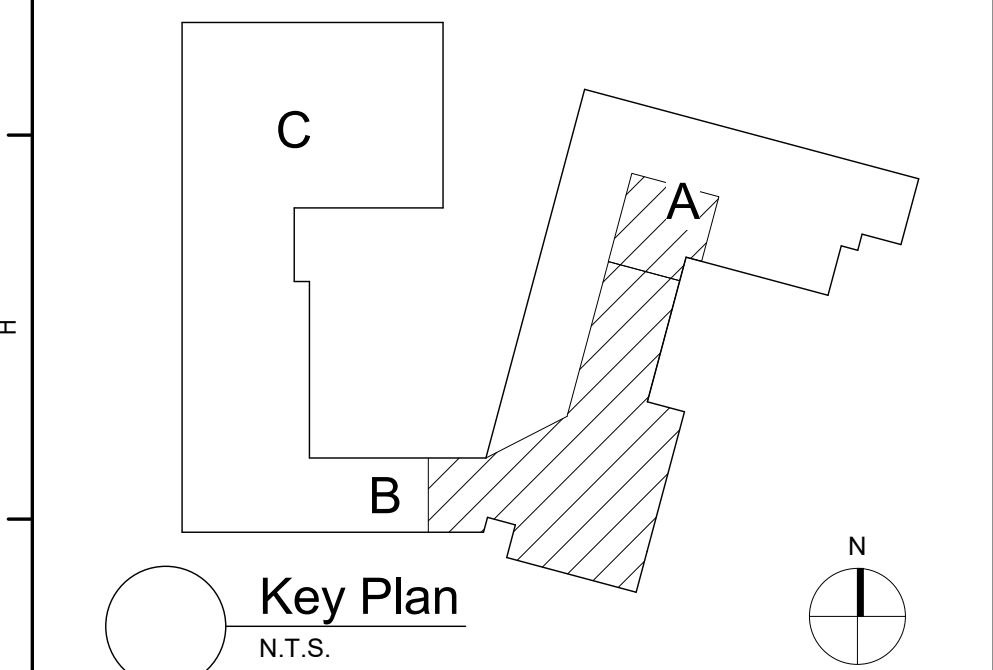
3 Partial Crawlspace Plan - Area B
1/8" = 1'-0"

2 Partial First Floor Plan - Areas A and B
1/8" = 1'-0"

1 Partial First Floor Demolition Plan - Areas A and B
1/8" = 1'-0"

General Notes

A. REFER TO EM051 FOR GENERAL NOTES.



S.E.D. Control No. 62-18-01-06-0-001-019

Rev. No.	Date	Description



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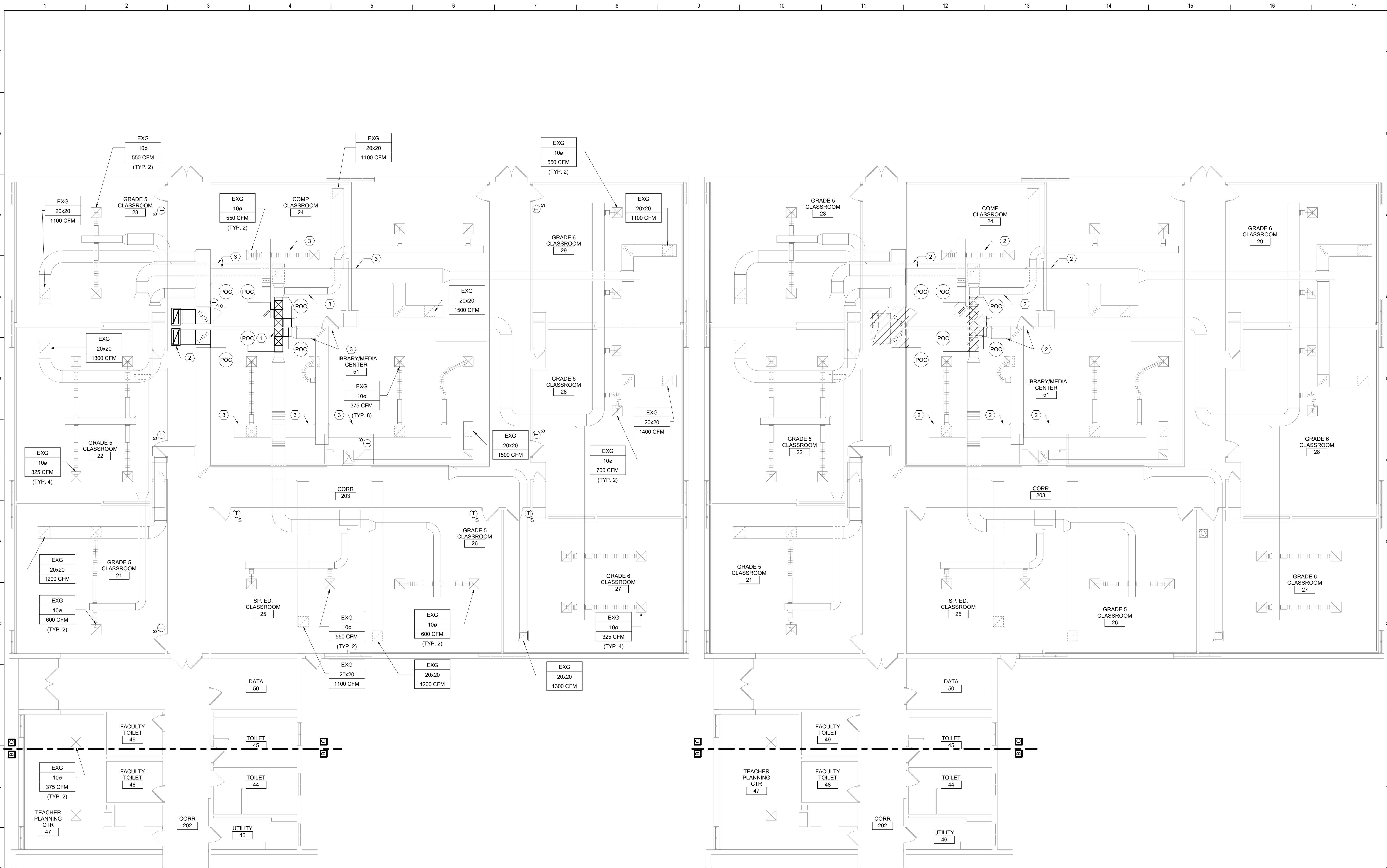


Walkkill Central School District
Walkill, New York

Reconstruction to:
Leptondale Elementary School

Partial First Floor Plans - Areas A and B

Drawn By: JPF/1/pgm	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001	EM101	



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

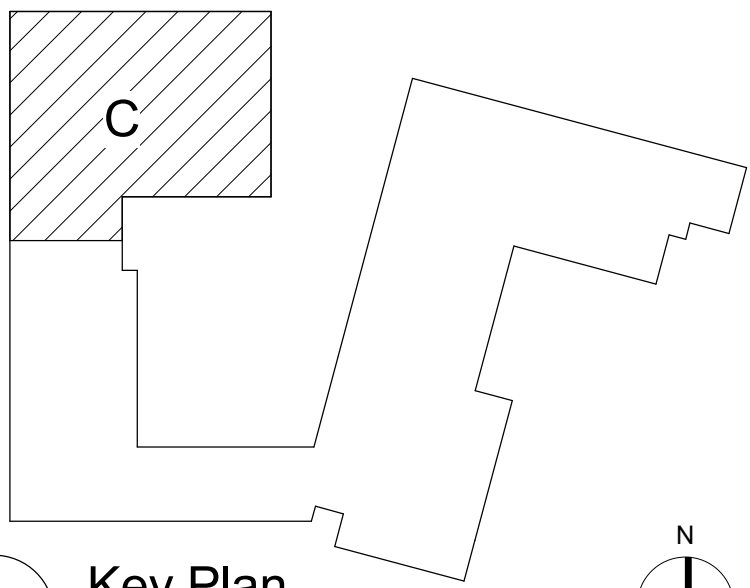
A. REFER TO EM051 FOR GENERAL NOTES.

KEYED DEMOLITION NOTES

- 1 REMOVE DUCTWORK AND ASSOCIATED ACCESSORIES TO POC AS SHOWN. PREPARE FOR RECONNECTION.
- 2 DISCONNECT AND REMOVE DUCTWORK AS REQUIRED FOR STRUCTURAL REINFORCEMENT WORK. STORE AND PROTECT FOR REINSTALLATION.

KEYED NOTES

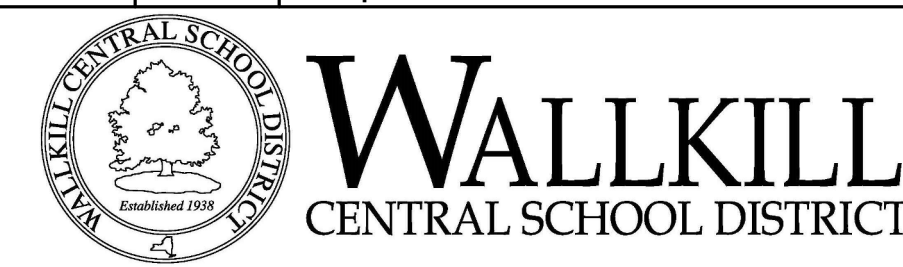
- 1 20x20 UP TO RTU-E-3, TYP. 5. TRANSITION AS REQUIRED TO MAKE CONNECTION TO UNIT.
- 2 40x20 UP TO RTU-E-3, TYP. 2. TRANSITION AS REQUIRED TO MAKE CONNECTION TO UNIT.
- 3 REINSTALL DUCTWORK. COORDINATE REINSTALLATION WITH COMPLETION OF STRUCTURAL WORK.



Key Plan
N.T.S.

S.E.D. Control No. 62-18-01-06-0-001-019

Rev. No.: Date: Description:



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Wallkill Central School District
Wallkill, New York

Reconstruction to:
Leptondale Elementary School

Partial Second Floor Plans - Area C

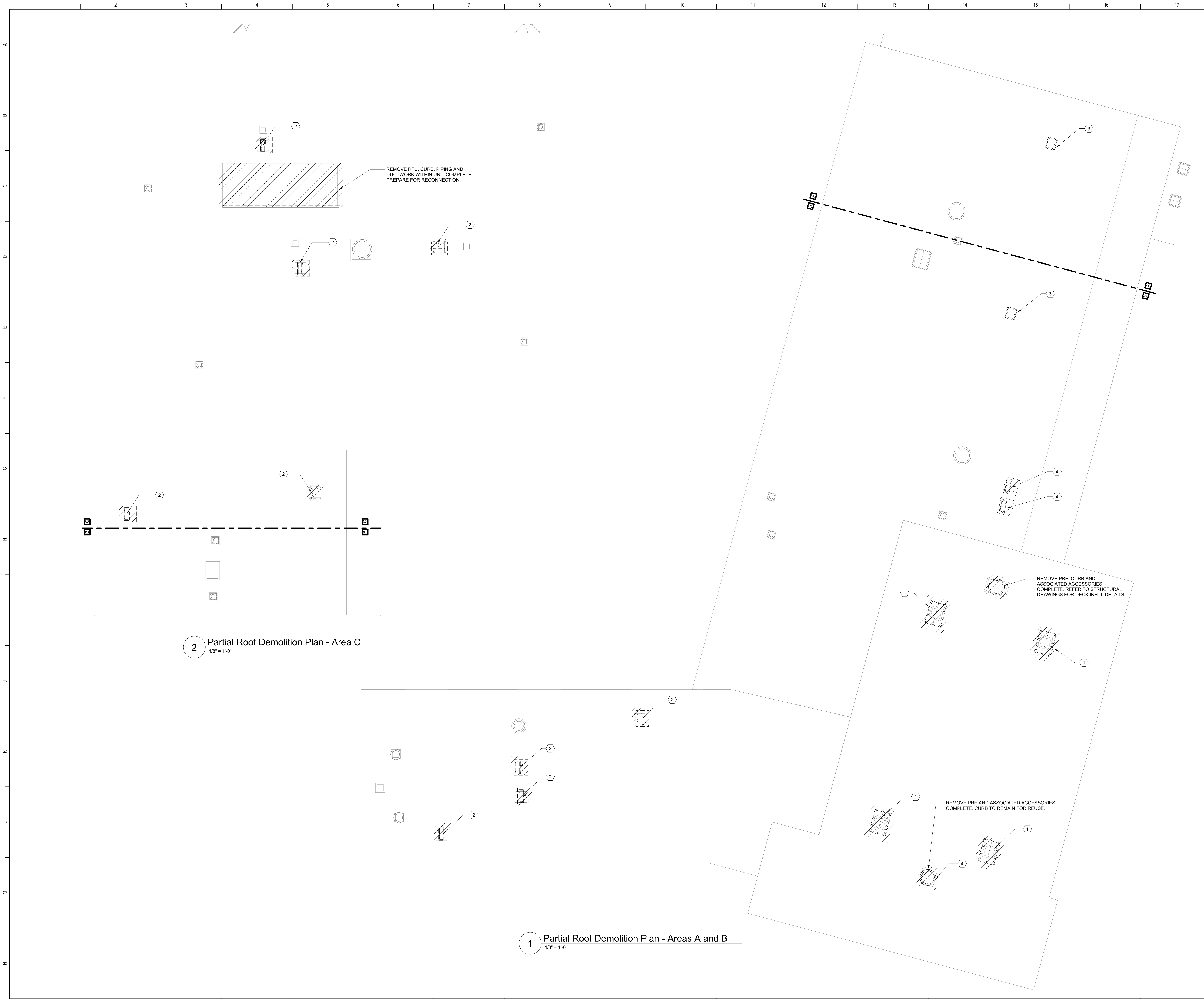
Drawn By:
JPF1/pgm

Date:
11/4/2022

Project No.:
17597-22001

Drawing Number:

EM102



2 Partial Roof Demolition Plan - Area C
1/8" = 1'-0"

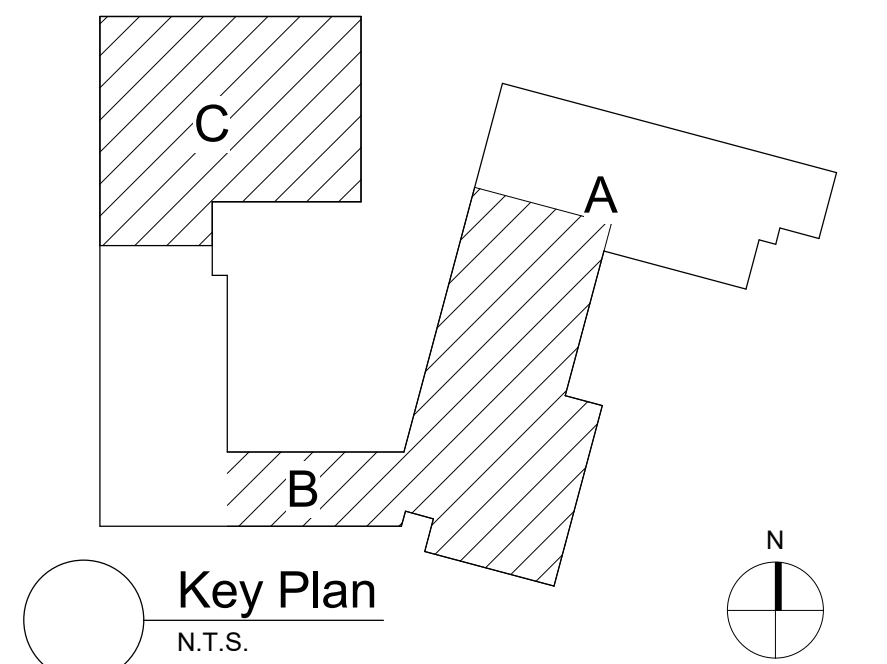
1 Partial Roof Demolition Plan - Areas A and B
1/8" = 1'-0"

General Notes

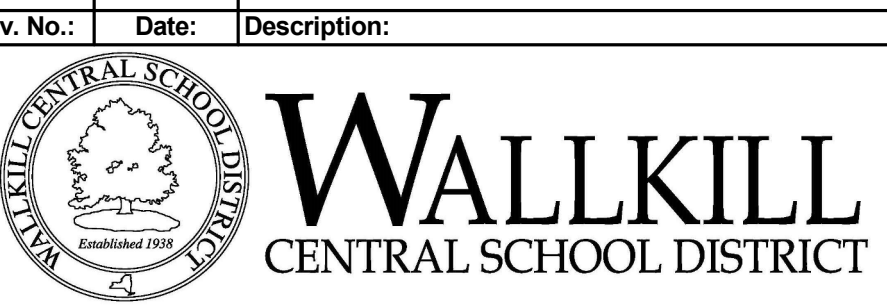
A. REFER TO EM051 FOR GENERAL NOTES.

KEYED NOTES

- 1 REMOVE ROOFTOP HOOD, CURB AND ASSOCIATED ACCESSORIES COMPLETE. REFER TO STRUCTURAL DWGS FOR DECK INFILL DETAILS.
- 2 TEMPORARILY REMOVE CONDENSING UNIT AND STORE FOR REUSE. EVACUATE ALL REFRIGERANT PRIOR TO REMOVAL. DISCONNECT AND REMOVE REFRIGERANT TUBING AS REQUIRED UNTIL COMPLETION OF ROOFING WORK.
- 3 REMOVE ROOFTOP HOOD AND ASSOCIATED ACCESSORIES COMPLETE. ROOF CURB TO REMAIN.
- 4 REMOVE PRE AND ASSOCIATED ACCESSORIES COMPLETE. CURB TO REMAIN. PREPARE OPENING FOR RECONNECTION.



S.E.D. Control No. 62-18-01-06-0-001-019



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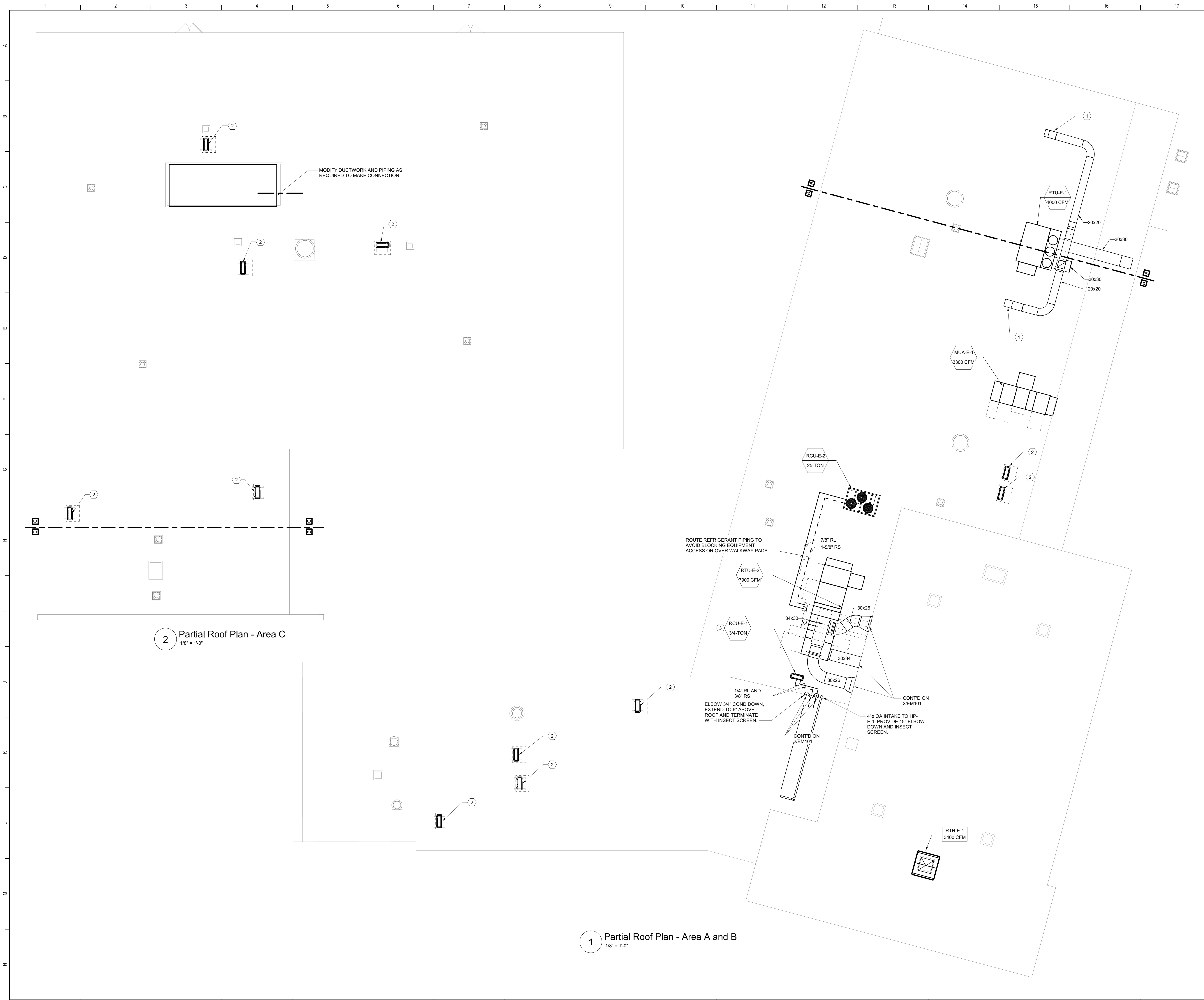


Wallkill Central School District
Wallkill, New York

Reconstruction to:
Leptondale Elementary School

Partial Roof Demolition Plans - Areas
A, B and C

Drawn By: JPF1/jpgm	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001		EM103



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

1 Partial Roof Plan - Area A and B
1/8" = 1'-0"

General Notes

A. REFER TO EM051 FOR GENERAL NOTES.

KEYED NOTES

1. CONNECT 20X20 DUCTWORK THROUGH EXISTING ROOF PENETRATION. REFER TO TO DUCT THROUGH ROOF DETAIL ON EM500.

2. PROVIDE NON ROOFING PRENTRATING STRUT SUPPORT SYSTEM FOR RCU INSTALLATION. REINSTALL CONDENSING UNIT ON SUPPORT SYSTEM (REFER TO RCU MOUNTING DETAIL) AND EXTEND REFRIGERANT TUBING AND POWER WIRING TO UNIT. MATCH REFRIGERANT TUBING SIZES AND FULLY CHARGE UNIT WITH NEW REFRIGERANT. INSULATE REFRIGERANT TUBING. COORDINATE WITH ROOFING WORK.

3. PROVIDE 18" HIGH NON ROOFING PENETRATING STRUT SUPPORT SYSTEM FOR RCU INSTALLATION. EXTEND REFRIGERANT TUBING AND CONDENSATE LINE THROUGH WALL AND SEAL OPENING WATERTIGHT.

Key Plan
N.T.S.

S.E.D. Control No. 62-18-01-06-0-001-019

Rev. No.:	Date:	Description:

WALLKILL
CENTRAL SCHOOL DISTRICT

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

BID SET

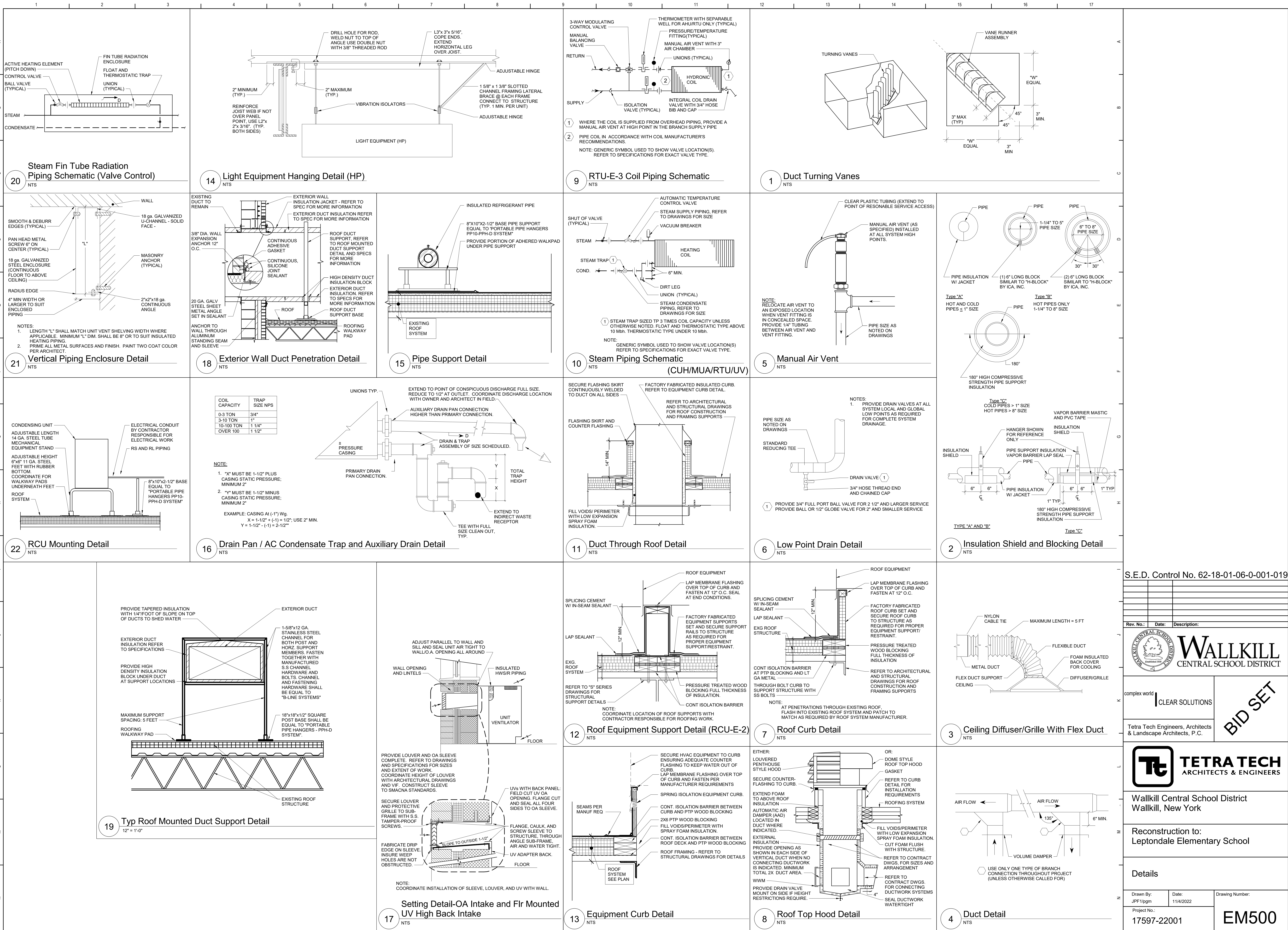
TETRA TECH
ARCHITECTS & ENGINEERS

Wallkill Central School District
Wallkill, New York

Reconstruction to:
Leptondale Elementary School

Partial Roof Plans - Areas A, B and C

Drawn By: JPF1/pgm	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001		EM104



SUPPLY FAN																EXHAUST FAN										ELECTRICAL CONNECTION										COOLING DATA										HEATING DATA									
DWG LABEL	LOCATION	SERVES	DESIGN MAKE: TRANE	SUPPLY AIR	OCCUPIED OA	MIN OA	FAN ARR	ESP	TSP	RPM	VFD FREQ.	HP	EXHAUST AIR	MIN. EXHAUST	FAN ARR	ESP	TSP	RPM	VFD FREQ.	HP	V/PH	FLA	MCA	MOCP	ROWS	EDB	EWB	LDB	LWB	TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	APD	ROWS	EAT	LAT	CAPACITY (MBH)	APD	INLET PRESSURE (psig)	CONDENSATE (lthr)	PD	OPER. WEIGHT	NOTES													
RTU-E-2	ROOF - AREA B	GYM	CSAA017	7900 CFM	4870 CFM	1000 CFM	22.25" DD PLENUM	0.75 in-wg	4.99 in-wg	2222	70	10	4870 CFM	1000 CFM	16.5" DD PLENUM	0.50 in-wg	2.56 in-wg	2070	97	5	200/3	74 A	89 A	125 A	4	75.2	65.2	54.3	52.6	296	181	0.56 in-wg	1	64	89.1	215	0.11 in-wg	3	259.4	4.55 in-wg	6894 lb	1-14													
NOTES: 1. GASKETED ACCESS DOORS AND MODULAR SECTIONS WITH DOUBLE WALLED 2" R-13 GALVANIZED STEEL PANELS WITH THERMAL BREAK. COILS SHALL HAVE SAME SIDE CONNECTION UNLESS OTHERWISE INDICATED. PROVIDE FULL SECTION HEIGHT 24" DEEP PIPE CABINET. 2. PROVIDE UV-C LIGHT DOWNSTREAM OF COOLING COIL (TO MAINTAIN CLEAN COIL) WITH SEPARATE 120V/1PH POWER (FLA=1.5A). 3. PROVIDE 2" MERV8 PRE-FILTER PRIOR TO ENERGY WHEEL (BOTH DIRECTIONS) AND MERV13 FILTERS BEFORE COILS. 4. PROVIDE 120V/1PH (FLA=8A) GFI SERVICE OUTLET FOR SEPARATE POWER. 5. PROVIDE HIGH EFFICIENCY ENERGY WHEEL WITH RETURN AIR RECIRCULATION AND BYPASS DAMPERS. 6. A. VENTILATION: 4870 CFM, PD: 0.6 in-wg a. SUMMER= EDB:84.2°F, EWB:75.0°F, LDB: 77.3°F, LWB: 68.1°F, 70.8% TOTAL EFFECTIVENESS b. WINTER= EDB:7.0°F, EWB:3.0°F, LDB: 49.2°F, LWB: 35.7°F, 73.3% TOTAL EFFECTIVENESS B. EXHAUST: 4700 CFM, ENTERING SUMMER: 75.0°F/65.0°F, ENTERING WINTER: 65.0°F/45.0°F, PD: 0.6 in-wg 7. PROVIDE INTERLACED CIRCUIT COOLING COIL. 8. PROVIDE SPRING ISOLATED 14" ROOF CURB. PROVIDE ACOUSTICALLY LINED ROOF CURB PER DETAIL. 9. PROVIDE EXTERIOR TOGGLE SWITCH AND DOOR LIMIT SWITCH FOR UV-C LIGHT. 10. PROVIDE H-O-A SWITCH AND STARTER FOR ENERGY WHEEL. 11. PROVIDE 22" ELECTRICAL/CONTROLS SECTION FOR FAN VFDs. 12. PROVIDE SINGLE POINT POWER CONNECTION FOR FAN VFDs AND ENERGY WHEEL. 13. PROVIDE FACTORY-INSTALLED SUPPLY AND EXHAUST FAN VFDs. 14. PROVIDE NEMA 3R UNIT DISCONNECT SWITCH.																																																							

UNIT VENTILATOR (UV) SCHEDULE															EQUIPMENT FURNISHED BY OWNER, INSTALLED BY MECHANICAL CONTRACTOR		
DWG LABEL	LOCATION	MODEL NO.	SA (CFM)	MIN. OA	HEATING DATA				RPM	MOTOR QTY	MOTOR SIZE (HP)	V/PH	FLA	MCA	MOP	NOTES	
					NO. ROW	EAT (°F)	LAT (°F)	CAP. (MBH)									
UV-E-1	OFFICE 34	VUVE075	490	130	1	44.0	145.9	54.1	730	1	0.25	120V/1ø	3.6	4.5	15	1-7	
NOTES:																	
1.	DESIGN BASIS: TRANE			3.	STEAM COIL CONDITIONS: STEAM TEMP=222°F, PRESSURE=3 PSIG										7.	PROVIDE FACE & BYPASS DAMPER.	
2.	FLOOR MOUNTED UNIT			4.	VERIFY PIPE AND ELECTRICAL LEFT/RIGHT HAND CONNECTIONS PRIOR TO ORDERING.										7.	NEMA 1 DISCONNECT SWITCH.	
3.	PROVIDE 1" MERV13 FILTER.			5.	PROVIDE 22-1/4" ADAPTER BACK, HIGH LOW/UPPER AND WALL SLEEVE.												

REMOTE CONDENSING UNIT (RCU) SCHEDULE (FOR RTU)														EQUIPMENT FURNISHED BY OWNER, INSTALLED BY MECHANICAL CONTRACTOR				
DWG LABEL	LOCATION	SERVES	DESIGN MAKE: TRANE	NOMINAL CAPACITY (MBH)	COOLING CAPACITY (MBH)		R410A TEMPERATURES		AMBIENT TEMPERATURE	EER	NO. OF COMP/CAPACITY	NO. OF CIRCUITS	ELECTRICAL DATA - 208V/3PH				OPER. WEIGHT	NOTES
					LIQUID	SUCTION	LIQUID	SUCTION					MCA	MOP	RLA - COMP. 1	NO. COMP.		
RCU-E-2	ROOF - AREA B	RTU-E-2	RAUJ	25 Tons	296	119.3 °F	39.5 °F	95	12.1	(1) 10-TON, (1) 13.5-TON	2	120 A	150 A	52 A	2	1930	1-4	
NOTES: 1. FIELD CHARGE REFRIGERANT FOR SUPPLY LINE, CONDENSER AND COILS. 2. PROVIDE EQUIPMENT STARTER AND NEMA 3R DISCONNECT. 3. VERIFY LINE SIZES WITH MANUFACTURER. 4. PROVIDE 14" SPRING ISOLATION SUPPORT RAILS.																		

MULTIZONE ROOFTOP UNIT (RTU) SCHEDULE																														EQUIPMENT FURNISHED BY OWNER, INSTALLED BY MECHANICAL CONTRACTOR														
DWG LABEL	UNIT LOCATION	SERVES	DESIGN MAKE:	SUPPLY FAN								RETURN FAN								ELECTRICAL DATA				WEIGHT (LBS)	OA ENERGY RECOVERY DATA					RA ENERGY RECOVERY DATA					ENERGY RECOVERY EFFICIENCY WINTER	HEATING DATA				HOT WATER COIL				NOTES
				FAN ARR.	SA (CFM)	MIN. OA (CFM)	DISCH. (IN WG)	ESP (IN WG)	RPM	BHP	HP	FAN ARR.	RA (CFM)	ESP (IN WC)	RPM	BHP	HP	V/PH	MCA	MOP	OA (CFM)	EDB (°F)	EWB (°F)		LDB (°F)	LWB (°F)	RA (CFM)	EDB (°F)	EWB (°F)	LDB (°F)	LWB (°F)	NO. ROWS	EAT (°F)	LAT (°F)		MBH	APD (IN WG)	EWT (°F)	LWT (°F)	GPM	WPD (FT HD)			
RTU-E-3	ROOF - AREA B	AREA C - 21-29, 47, 51, 203	SEASONS 4	27" AF SWSI PLENUM	15450	6380	MULTI-ZONE	0.75	1778	16.9	20.0	27" AF SWSI PLENUM	15450	0.75	1758	1.4	15	208/3	116	150	10100	6380	7	3	40.9	33.2	6380	68	51.5	34.1	29	54.3	4	41.7	80.1	640.2	0.57	160	60.2	13.1	3.2	ALL		
NOTES: 1. GASKETED ACCESS DOORS AND MODULAR SECTIONS WITH DOUBLE WALLED 2" R-13 GALVANIZED STEEL PANELS WITH THERMAL BREAK. 2. PROVIDE ELECTRICAL/CONTROLS SECTION FOR UNIT DISCONNECT SWITCH, WHEEL H-O-A SWITCH, CONTROL AND SUPPLY AND RETURN FAN VFD. 3. PROVIDE 2" MERV9 PRE-FILTER PRIOR TO ENERGY WHEEL (BOTH DIRECTIONS) AND MERV14 FILTERS BEFORE SUPPLY FAN. ALL FILTER FACE VELOCITIES <300 FPM. 4. COILS SHALL HAVE SAME SIDE CONNECTION UNLESS OTHERWISE INDICATED. 5. PROVIDE SINGLE POINT CONNECTION AND NEMA-4 DISCONNECT SWITCH. 6. FIELD VERIFY AND MATCH EXISTING ROOF CURB OUTER DIMENSIONS (~10'-2" W x 25'-6" L). 7. PROVIDE 120V/1PH (FLA=8A) GFI SERVICE OUTLET ON LINE SIDE OF DISCONNECT. 8. PROVIDE THREE-DECK MULTIZONE SECTION FOR SEVEN ZONES. 9. PROVIDE FACTORY-INSTALLED ACTUATORS FOR MULTIZONE DAMPERS. 10. PROVIDE SPACE FOR FUTURE COOLING COIL. 11. REUSE EXISTING CURB. INSTALL PER DETAIL.																																												

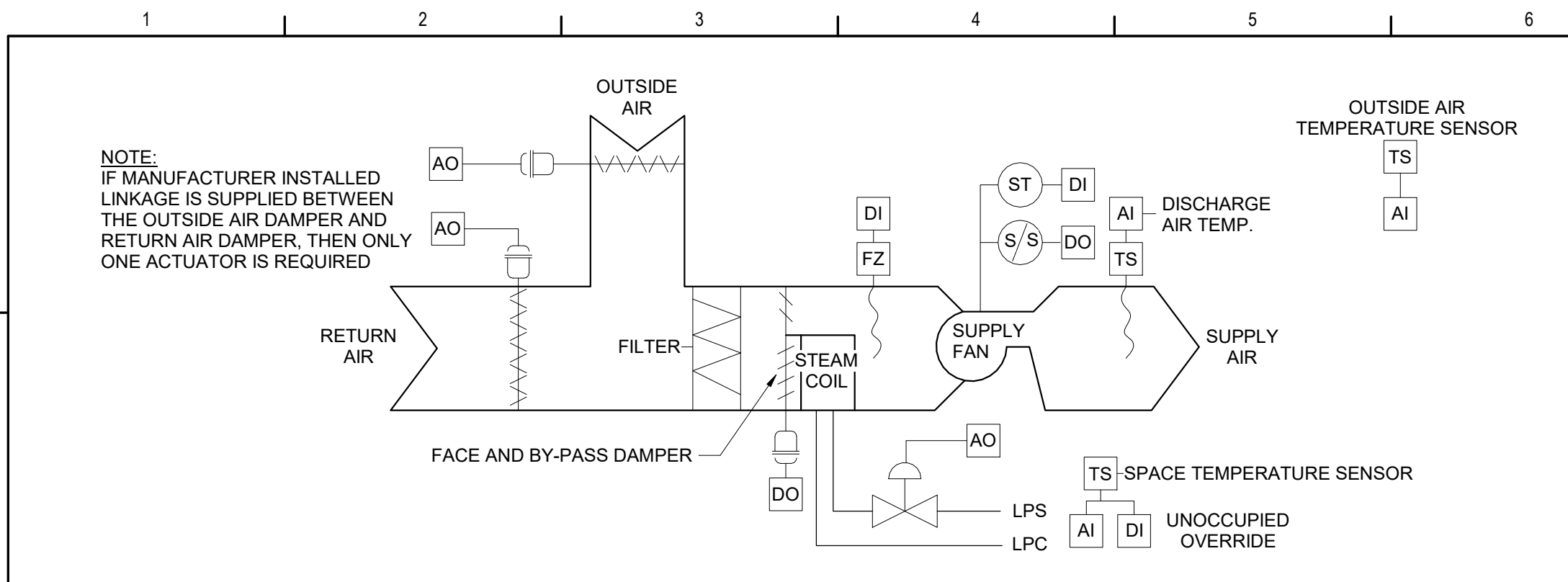
PACKAGED ROOFTOP UNIT (RTU) SCHEDULE																				EQUIPMENT FURNISHED BY OWNER, INSTALLED BY MECHANICAL CONTRACTOR										
DWG LABEL	LOCATION	SERVES	DESIGN MAKE: VALENT	SUPPLY FAN					HEATING DATA								COOLING DATA								ELECTRICAL DATA				OPER.	
				SUPPLY (CFM)	MIN OA (CFM)	ESP (IN-WG)	BHP	HP	EAT (°F)	LAT (°F)	STEAM PRESS.	CAP (MBH)	EDB (°F)	EWB (°F)	LDB (°F)	LWB (°F)	TC (°F)	SC (°F)	HOT GAS REHEAT (°F)	COMPRESSOR	EER	VOLT	PH	MCA	MOP	OPER. WEIGHT (LB)	NOTES			
RTU-E-1	ROOF - AREA C	CAFETERIA L114	VX-212-151-2-40	4000	2600	0.5	1.5	3.0	28.4	86.0	3.0 psi	249.3	83.5	70.1	55.1	54.8	199.0	125.0	77.7 °F	INVERTER SCROLL	11.2	208 V	3	65 A	80 A	3335	1-7			
NOTES: 1. GASKETED ACCESS DOORS AND MODULAR SECTIONS WITH DOUBLE WALLED 2" R-13 GALVANIZED STEEL PANELS WITH THERMAL BREAK. 2. COILS SHALL HAVE SAME SIDE CONNECTION UNLESS OTHERWISE INDICATED. PROVIDE FULL SECTION HEIGHT 24" DEEP PIPE CABINET. 3. PROVIDE SINGLE POINT CONNECTION AND NEMA-3R H-O-A NON-FUSED DISCONNECT SWITCH. 4. PROVIDE 2" MERV8 PRE-FILTER AND MERV13 FINAL FILTERS BEFORE COILS. 5. PROVIDE ~40" PLENUM CURB WITH SPRING ISOLATION. PROVIDE ACOUSTICALLY LINED ROOF CURB PER DETAIL. 6. PROVIDE 120V/1PH (FLA=8A) GFI SERVICE OUTLET FOR SEPARATE POWER. 7. PROVIDE 22" ELECTRICAL/CONTROLS SECTION FOR SUPPLY FAN VFD.																														

MAKE-UP AIR (MUA) UNIT SCHEDULE																EQUIPMENT FURNISHED BY OWNER, INSTALLED BY MECHANICAL CONTRACTOR			
DWG LABEL	LOCATION	SERVES	DESIGN MAKE: TRANE MODEL#	SUPPLY FAN				ELECTRICAL DATA								HEATING DATA			
				SUPPLY/OUTSIDE AIRFLOW	ESP	RPM	HP	VOLT/PH	FLA	MCA	MOP	EAT	LAT	CAPACITY (MBH)	STEAM PRESS.	OPERATING WEIGHT (LB)	NOTES		
MUA-E-1	ROOF - AREA B	KITCHEN L113	CSAA008	3300 CFM	0.50 in-wg	2056	3	208/3	15 A	19 A	30 A	8.7	75	237	3 psi	2180	1-3		
NOTES:																			
1. PROVIDE 120V GFCI SERVICE OUTLET.				3. PROVIDE UNIT DISCONNECT, FACTORY INSTALLED VFD AND TEFC MOTOR.															
2. PROVIDE 24" ROOF CURB.																			

CABINET UNIT HEATER (CUH) SCHEDULE													EQUIPMENT FURNISHED BY OWNER, INSTALLED BY MECHANICAL CONTRACTOR			
DWG LABEL	LOCATION	MODEL NO.	SA CFM	HEATING DATA				ESP (IN. WG.)	RPM	MOTOR SIZE (HP)	ELECTRICAL					
				NO. ROW	EAT (°F)	LAT (°F)	CAP. (MBH)				STEAM (PSI)	V/PH	FLA	MCA	MOP	NOTES
CUH-E-V1	VESTIBULE V1	FFMB020	200	2	60.0	113.9	11.7	3	0.05	760	0.04	120V/1ø	2.2	2.8	15	1-5
CUH-E-V2	VESTIBULE V2	FFMB020	200	2	60.0	113.9	11.7	3	0.05	760	0.04	120V/1ø	2.2	2.8	15	1-5
NOTES:																
1. DESIGN BASIS: TRANE			3.	PROVIDE NEMA 1 DISCONNECT SWITCH				4.								
2. INVERTED FRONT CABINET			5.	PROVIDE FRONT STAMPED LOUVER INLETS AND OUTLETS.				6.								
3. PROVIDE 1" MERV 6 FILTER			7. VERIFY PIPE AND ELECTRICAL LEFT/RIGHT HAND CONNECTIONS PRIOR TO ORDERING.													

HEAT PUMP (HP) SCHEDULE														
DWG LABEL	LOCATION	DESIGN MAKE: TRANE MITSUBISHI MODEL:	UNIT TYPE	NOMINAL CAP.		SUPPLY FAN SETTING	SUPPLY AIR (CFM)	OUTSIDE AIR (CFM)	SOUND PRESS. (dBA)	REFRIG PIPE DIM LIQUID/ SUCTON (inch)	ELECTRICAL DATA			NOTES
				CLG (BTU/h)	HTG (BTU/h)						VOLT/PH	MCA	MOP	
HP-E-1	SEC. OFFICE SO1	NTXCKS09A112AA	4-WAY CEILING CASSETTE	9,000	6,900	HIGH	300	20	26-28-30	1/4 / 1/2	208V/1PH	0.25	15	1, 2, 3, 4, 5, 6, 7
NOTES: 1. NOMINAL COOLING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 80/67°F (DB/WB), OUTDOOR OF 95°F (DB). 2. NOMINAL HEATING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 70°F (DB), OUTDOOR OF 43°F (WB). 3. SEE OUTDOOR UNIT SCHEDULE FOR OUTDOOR AMBIENT CONDITIONS, CONNECTED CAPACITY, AND OTHER FACTORS ASSOCIATED WITH CORRECTED CAPACITIES. 4. SEE SCHEMATIC PIPING/CONTROL DIAGRAM FOR INDICATION OF REQUIRED INDOOR UNIT REMOTE CONTROLLERS, SYSTEM CONTROLLERS, AND INTEGRATION DEVICES. 5. FULL DEMAND CORRECTED CAPACITY INCLUDES DE-RATE ASSOCIATED WITH INDOOR VS. OUTDOOR CONNECTED CAPACITY INDICATED ON OUTDOOR UNIT SCHEDULE FOR ASSOCIATED SYSTEM. 6. PROVIDE INTEGRAL CONDENSATE PUMP WITH 33" LIFT CAPABILITY. 7. PROVIDE TOGGLE DISCONNECT.														

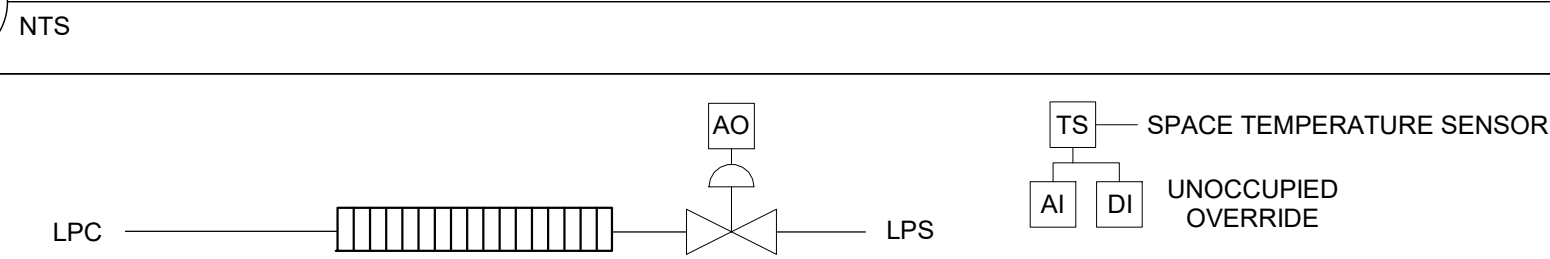
REMOTE CONDENSING UNIT (RCU) SCHEDULE (FOR HP)										
DWG LABEL	LOCATION	DESIGN MAKE: TRANE/ MITSUBISHI MODEL:	NOMINAL CAPACITY		ELECTRICAL DATA			NOTES		
			COOLING (BTU/h)	EER / SEER	HEATING (BTU/h)	COP @ 47°F	VOLT/PH		MCA	MOCP
RCU-E-1	ROOF	NTXSKS09A112AA	9,000	13.4 / 22.4	11,000	3.9	208V / 1PH	9	15	1-4
NOTES: 1. NOMINAL COOLING CAPACITIES ARE BASED ON INDOOR COIL OF 80/67°F (DBWB), OUTDOOR OF 95°F (DB). 2. NOMINAL HEATING CAPACITIES ARE BASED ON INDOOR COIL OF 70°F (DB), OUTDOOR OF 43°F (WB). 3. PROVIDE 16" STRUT SUPPORT SYSTEM (DESIGN BASIS: GREEN LEAK E-GO-ENGINEERING "KNUCKLEHEAD"). 4. PROVIDE NEMA 3R DISCONNECT.										



UNIT VENTILATOR - STEAM - VALVE CONTROL WITH FACE AND BY-PASS - SEQUENCE OF OPERATIONS:

- OCCUPIED MODE:**
 - SUPPLY FAN SHALL RUN CONTINUOUSLY.
 - THE OUTSIDE AIR DAMPER SHALL OPEN TO THE POSITION REQUIRED TO MAINTAIN THE MINIMUM OUTSIDE AIR QUANTITY INDICATED.
 - OUTSIDE AIR DAMPER SHALL NEVER BE POSITIONED BELOW THIS MINIMUM POSITION EXCEPT IN CASE OF ALARM.
 - FACE AND BY-PASS DAMPER SHALL BE POSITIONED TO FULL FACE, DAMPER SHALL NEVER BE POSITIONED TO BY-PASS THE COIL EXCEPT IN CASE OF ALARM AS DESCRIBED BELOW.
 - WHEN THE SPACE TEMPERATURE IS AT OR BELOW THE HEATING SETPOINT, THE 2-WAY CONTROL VALVE SHALL MODULATE TO MAINTAIN SPACE HEATING SETPOINT SUBJECT TO DISCHARGE HIGH LIMIT OF 110 DEG. F (ADJUSTABLE) AND DISCHARGE LOW LIMIT OF 70 DEG. F (ADJUSTABLE).
 - WHEN THE SPACE TEMPERATURE RISES 3 DEG. F (ADJUSTABLE) ABOVE THE SPACE HEATING SETPOINT, AND THE OUTSIDE AIR TEMPERATURE IS LOWER THAN THE SPACE TEMPERATURE, THE OUTSIDE AIR DAMPER SHALL MODULATE OPEN TO MAINTAIN THE OCCUPIED SETPOINT. THIS SHALL BE DONE SUBJECT TO DISCHARGE LOW LIMIT OF 55 DEG. F (ADJUSTABLE), AND WITH THE HEATING VALVE FULLY CLOSED.
- UNOCCUPIED MODE:**
 - SUPPLY FAN SHALL BE OFF.
 - THE OUTSIDE AIR DAMPER SHALL BE FULLY CLOSED.
 - FACE AND BY-PASS DAMPER SHALL BE POSITIONED TO FULL FACE, DAMPER SHALL NEVER BE POSITIONED TO BY-PASS THE COIL EXCEPT IN CASE OF ALARM AS DESCRIBED BELOW.
 - WHERE SPACE HAS FINNED TUBE RADIATION, RADIATION SHALL PROVIDE FIRST STAGE UNOCCUPIED HEATING.
 - ON DROP IN SPACE TEMPERATURE BELOW THE UNOCCUPIED SETPOINT, CYCLE THE FAN ON AND COIL CONTROL VALVE FULL OPEN AS REQUIRED TO MAINTAIN REDUCED SPACE TEMPERATURE. USE 5 DEG. F (ADJUSTABLE) DEADBAND TO MINIMIZE SHORT CYCLING.
 - A TIMED LOCAL OVERRIDE CONTROL SHALL ALLOW AN OCCUPANT TO OVERRIDE THE SCHEDULE AND PLACE THE UNIT INTO OCCUPIED MODE FOR 1 HOUR (ADJUSTABLE). AT EXPIRATION OF THIS TIME, CONTROL OF THE UNIT SHALL AUTOMATICALLY RETURN TO THE SCHEDULE.
- WARM-UP MODE:**
 - THE UNIT SHALL START PER AN OPTIMUM START PROGRAM.
 - THE OUTSIDE AIR DAMPER SHALL BE FULLY CLOSED, FACE AND BY-PASS DAMPER SHALL BE POSITIONED TO FULL FACE EXCEPT IN CASE OF ALARM AS DESCRIBED BELOW.
 - THE SUPPLY FAN SHALL RUN AND THE CONTROL VALVE SHALL MODULATE TO MAINTAIN OCCUPIED SETPOINT.
- SAFETIES:**
 - A SEPARATE LOW LIMIT FREEZE STAT WITH AUTOMATIC RESET SHALL BE INSTALLED WITH SENSING ELEMENT SERPENTINED ACROSS THE FACE OF THE COIL, WHENEVER COIL FREEZE-UP CONDITIONS ARISE (36 DEG. F ADJUSTABLE) THE SUPPLY FAN SHALL STOP, THE OUTSIDE AIR DAMPER SHALL CLOSE 100%, THE HEATING CONTROL VALVE SHALL OPEN 100%, AND THE FACE AND BY-PASS DAMPER SHALL BE POSITIONED TO FULL BY-PASS OF THE COIL. AN ALARM SHALL ALSO BE ACTIVATED.
 - UPON FAILURE OF THE FAN, AS SENSED BY A CURRENT SENSING STATUS SWITCH, GENERATE AN ALARM AT THE OWS.

7 UV - Steam Control



FIN TUBE RADIATION - STEAM - WITH 2-WAY CONTROL VALVE - SEQUENCE OF OPERATIONS:

- OCCUPIED MODE:**
 - WHEN THE SPACE TEMPERATURE IS AT OR BELOW THE OCCUPIED HEATING SETPOINT, THE CONTROL VALVE SHALL MODULATE TO MAINTAIN OCCUPIED SPACE SETPOINT.
- UNOCCUPIED MODE:**
 - WHEN THE SPACE TEMPERATURE IS AT OR BELOW THE UNOCCUPIED HEATING SETPOINT, THE CONTROL VALVE SHALL MODULATE TO MAINTAIN UNOCCUPIED SPACE SETPOINT.
- WARM-UP MODE:**
 - WHEN THE SPACE TEMPERATURE IS AT OR BELOW THE OCCUPIED HEATING SETPOINT, THE CONTROL VALVE SHALL MODULATE TO MAINTAIN OCCUPIED SPACE SETPOINT.
- SAFETIES:**
 - IF THE SPACE TEMPERATURE IS LESS THAN THE HEATING SETPOINT BY 10 DEG. F (ADJUSTABLE), THE CONTROL VALVE SHALL OPEN 100%. AN ALARM SHALL BE ACTIVATED.

8 Fin Tube Radiation - Steam - 2-Way Control Valve

LEPTONDALE BUILDING/EQUIPMENT VENTILATION CALCULATIONS

EQUIPMENT NUMBER	ROOM NUMBER	ROOM NAME	OCCUPANCY CLASSIFICATION	Az - AREA (SF)	MINIMUM VENTILATION RATES										DESIGN	
					Pz - ZONE OCCU. #/1000 FT	ZONE OCCU.	Rp (CFM/Person)	RpP	Ra (CFM/SF)	RaA	Vbz (CFM)	EZ	Voz (CFM)	Vpz (CFM)	Zp	
RTU-E-3	21	GRADE 3 CLRM	Classrooms (age 9 plus)	852	35	30	10	300	0.12	102	402	0.8	510	1200	0.43	
	22	GRADE 5 CLRM	Classrooms (age 9 plus)	948	35	34	10	340	0.12	114	454	0.8	570	1300	0.44	
	23	GRADE 5 CLRM	Classrooms (age 9 plus)	813	35	29	10	290	0.12	98	388	0.8	490	1100	0.45	
	51	LIBRARY/MEDIA	Media center	2153	25	54	10	540	0.12	258	798	0.8	1000	3000	0.33	
	24	COMPUTER LAB	Classrooms (age 9 plus)	754	35	27	10	270	0.12	90	360	0.8	460	1100	0.42	
	25	SP. ED CLRM	Classrooms (age 9 plus)	748	35	27	10	270	0.12	90	360	0.8	450	1100	0.41	
	26	GRADE 5 CLRM	Classrooms (age 9 plus)	830	35	30	10	300	0.12	100	400	0.8	500	1200	0.42	
	27	GRADE 6 CLRM	Classrooms (age 9 plus)	832	35	33	10	330	0.12	112	442	0.8	560	1300	0.43	
	28	GRADE 6 CLRM	Classrooms (age 9 plus)	1028	35	38	10	380	0.12	123	483	0.8	610	1400	0.44	
	29	GRADE 5 CLRM	Classrooms (age 9 plus)	813	35	29	10	290	0.12	98	388	0.8	490	1100	0.45	
RTU-E-2	203	CORRIDOR	Corridors	1762	0	0	0	0	0.06	106	106	0.8	140	900	0.16	
	47	TEACHER PLANNING	Breakrooms	508	50	26	5	130	0.12	61	191	0.8	240	750	0.32	
	L112A	STAGE	Stages, studios	861	70	61	10	610	0.08	52	662	0.8	830	1340	0.62	
	L112	GYMNASIUM	Multituse assembly	3782	100	379	7.5	2843	0.08	227	3098	0.8	3840	6100	0.63	
	L111	P.E. OFFICE	Office space	162	5	1	5	5	0.08	10	15	0.8	20	460	0.04	

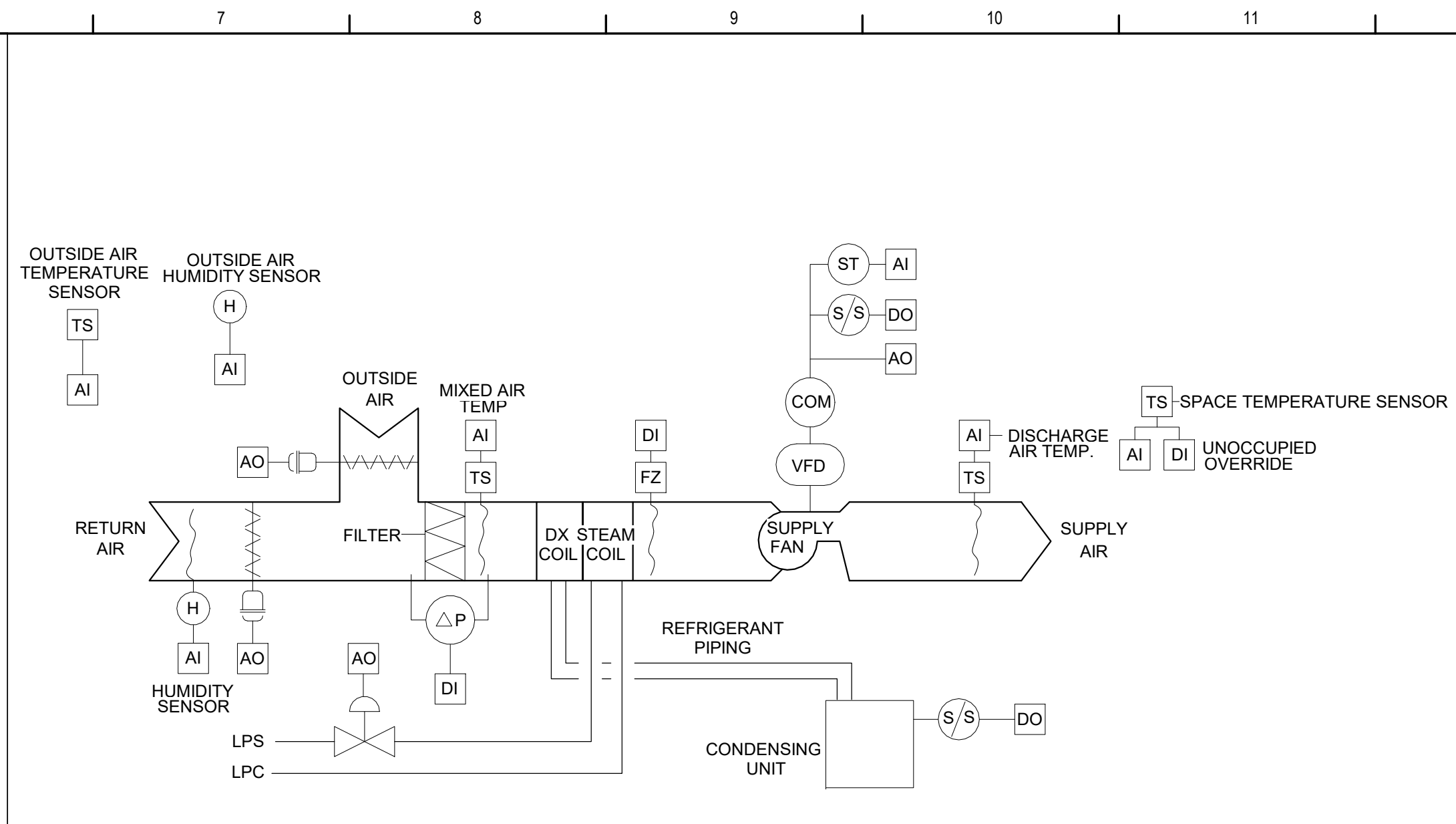
NOTES:
 Rp = PEOPLE OUTDOOR AIR RATE, Ra = AREA OUTDOOR AIR RATE, Vbz = BREATHING ZONE OUTDOOR AIRFLOW, Ez = AIR DISTRIBUTION CONFIGURATION, Voz = ZONE OUTDOOR AIRFLOW
 Vpz = ZONE PRIMARY AIRFLOW, Zpz = PRIMARY OUTDOOR AIR FRACTION, Vps = SYSTEM PRIMARY AIRFLOW, Vot = OUTDOOR AIR INTAKE FLOW,
 Vou = UNCORRECTED OUTDOOR AIR INTAKE, D = OCCUPANT DIVERSITY, Ev = SYSTEM VENTILATION EFFICIENCY

SYSTEM VALUES RTU-E-4				
Vps	15450	(UNCORRECTED OA) Vou	4771	
(CORRECTED OA) Vot	7025	D	1.00	
OA%	45	Ev	0.68	
ADDITIONAL OA%	47			

SYSTEM VALUES RTU-E-2			
Vps	7900	(UNCORRECTED OA) Vou	3748
(CORRECTED OA) Vot	4435	D	1.00
OA%	56	Ev	0.84
ADDITIONAL OA%	18		

PLATTEKILL BUILDING/EQUIPMENT VENTILATION CALCULATIONS													
EQUIPMENT NUMBER	ZONE ID				MINIMUM VENTILATION RATES								
	ROOM NUMBER	ROOM NAME	OCCUPANCY CLASSIFICATION	Az - AREA (SF)	Pz - ZONE OCCU. #/1000 FT	ZONE OCCU.	Rp (CFM/Person)	RpP	Ra (CFM/SF)	RaA	Vbz (CFM)	EZ	Voz (CFM)
RTU-D-1	7	CAFETERIA	Cafeteria/fast-food dining	2221	100	223	7.5	1673	0.18	400	2072	0.8	2590
NOTES:													
Rp = PEOPLE OUTDOOR AIR RATE, Ra = AREA OUTDOOR AIR RATE, Vbz = BREATHING ZONE OUTDOOR AIRFLOW													
20% Voz = 20% OF THE ZONE OUTDOOR AIRFLOW													
EZ = AIR DISTRIBUTION CONFIGURATION, Voz = ZONE OUTDOOR AIRFLOW													
DCV Voz = GREATER OF RaA/EZ OR 20% Voz													

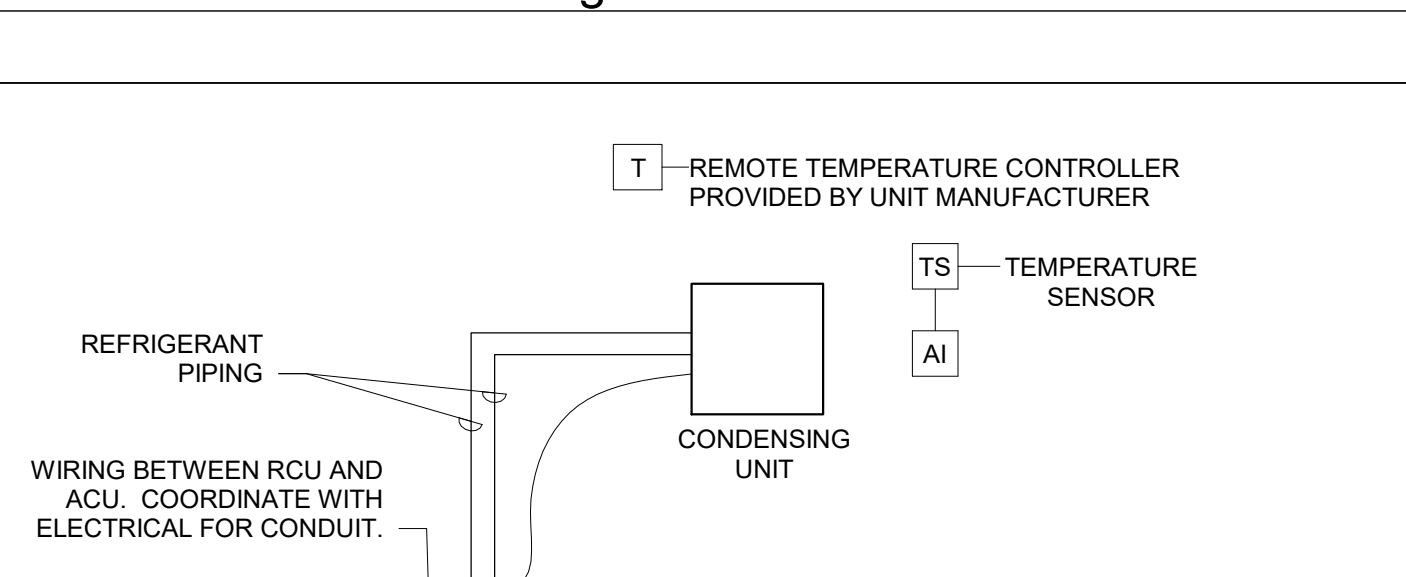
NOTES:
 Rp = PEOPLE OUTDOOR AIR RATE, Ra = AREA OUTDOOR AIR RATE, Vbz = BREATHING ZONE OUTDOOR AIRFLOW, Ez = AIR DISTRIBUTION CONFIGURATION, Voz = ZONE OUTDOOR AIRFLOW,
 DCV Voz = GREATER OF Ra/EZ OR 20% Voz



AIR HANDLING UNIT - STEAM (VALVE CONTROL) AND DX COOLING - SEQUENCE OF OPERATIONS:

- OCCUPIED MODE:**
 - SUPPLY FAN AND ASSOCIATED EXHAUST FANS SHALL RUN CONTINUOUSLY. THE SUPPLY FAN SHALL RUN AT THE FREQUENCY DETERMINED BY THE BALANCING CONTRACTOR.
 - THE OUTSIDE AIR DAMPER SHALL OPEN TO THE POSITION REQUIRED TO MAINTAIN THE MINIMUM OUTSIDE AIR QUANTITY INDICATED. OUTSIDE AIR DAMPER SHALL NEVER BE POSITIONED BELOW THIS MINIMUM POSITION EXCEPT IN CASE OF ALARM.
 - WHEN THE SPACE TEMPERATURE IS AT OR BELOW THE HEATING SETPOINT, THE HEATING CONTROL VALVE SHALL MODULATE TO MAINTAIN SPACE HEATING SETPOINT SUBJECT TO DISCHARGE HIGH LIMIT OF 110 DEG. F (ADJUSTABLE) AND DISCHARGE LOW LIMIT OF 70 DEG. F (ADJUSTABLE).
 - WHEN THE SPACE TEMPERATURE RISES 3 DEG. F (ADJUSTABLE) ABOVE THE SPACE HEATING SETPOINT, AND THE OUTSIDE AIR ENTHALPY IS LOWER THAN THE SPACE ENTHALPY, THE OUTSIDE AIR DAMPER SHALL MODULATE OPEN AND THE ASSOCIATED RELIEF DAMPER SHALL OPEN TO MAINTAIN THE OCCUPIED SETPOINT. THIS SHALL BE DONE SUBJECT TO LOW LIMIT OF 55 DEG. F (ADJUSTABLE), AND WITH THE HEATING VALVE FULLY CLOSED.
 - WHEN THE SPACE TEMPERATURE IS 3 DEG. F (ADJUSTABLE) ABOVE THE COOLING SETPOINT, AND THE OUTSIDE AIR CANNOT COOL THE SPACE, THE RESPECTIVE CONDENSING UNIT SHALL BE CYCLED TO MAINTAIN SPACE TEMPERATURE WITH THE HEATING VALVE FULLY CLOSED. USE 5 DEG. F (ADJUSTABLE) DEADBAND BETWEEN HEATING AND COOLING SETPOINTS.
- UNOCCUPIED MODE:**
 - THE SUPPLY AND ASSOCIATED EXHAUST FAN SHALL BE OFF.
 - THE OUTSIDE AIR DAMPER AND THE ASSOCIATED RELIEF DAMPER SHALL BE FULLY CLOSED.
 - WHERE SPACE HAS FINNED TUBE RADIATION, RADIATION SHALL PROVIDE FIRST STAGE UNOCCUPIED HEATING.
 - ON DROP IN SPACE TEMPERATURE BELOW THE UNOCCUPIED HEATING SETPOINT, CYCLE THE FAN ON AND COIL CONTROL VALVE FULL OPEN AS REQUIRED TO MAINTAIN REDUCED SPACE TEMPERATURE. USE 5 DEG. F (ADJUSTABLE) DEADBAND TO MINIMIZE SHORT CYCLING.
 - WHEN THE SPACE TEMPERATURE RISES ABOVE THE UNOCCUPIED ECONOMIZER COOLING SETPOINT, ALLOW ECONOMIZER COOLING WITH THE HEATING VALVE FULLY CLOSED AND THE MECHANICAL COOLING DISABLED.
 - A TIMED LOCAL OVERRIDE CONTROL SHALL ALLOW AN OCCUPANT TO OVERRIDE THE SCHEDULE AND PLACE THE UNIT INTO OCCUPIED MODE FOR 1 HOUR (ADJUSTABLE). AT EXPIRATION OF THIS TIME, CONTROL OF THE UNIT SHALL AUTOMATICALLY RETURN TO THE SCHEDULE.
- WARM-UP MODE:**
 - THE UNIT SHALL START PER AN OPTIMUM START PROGRAM.
 - THE OUTSIDE AIR DAMPER AND THE ASSOCIATED RELIEF DAMPER SHALL BE FULLY CLOSED, THE RETURN AIR DAMPER SHALL BE FULLY OPEN, AND THE ASSOCIATED EXHAUST FAN SHALL BE OFF.
 - THE SUPPLY FAN SHALL RUN AND THE HEATING CONTROL VALVE SHALL MODULATE TO MAINTAIN OCCUPIED SETPOINT.
- SAFETIES:**
 - DIFFERENTIAL PRESSURE ACROSS THE AIR FILTERS SHALL GENERATE AN ALARM WHENEVER THE DIFFERENTIAL PRESSURE EXCEEDS ITS ADJUSTABLE SETPOINT.
 - A SEPARATE LOW LIMIT FREEZE STAT WITH AUTOMATIC RESET SHALL BE INSTALLED WITH SENSING ELEMENT SERPENTINED ACROSS THE FACE OF THE COIL, WHENEVER FREEZE-UP CONDITIONS ARISE (36 DEG. F ADJUSTABLE) THE SUPPLY FAN SHALL STOP, THE OUTSIDE AIR DAMPER SHALL CLOSE 100%, THE HEATING CONTROL VALVE SHALL OPEN 100% AND AN ALARM SHALL BE ACTIVATED.

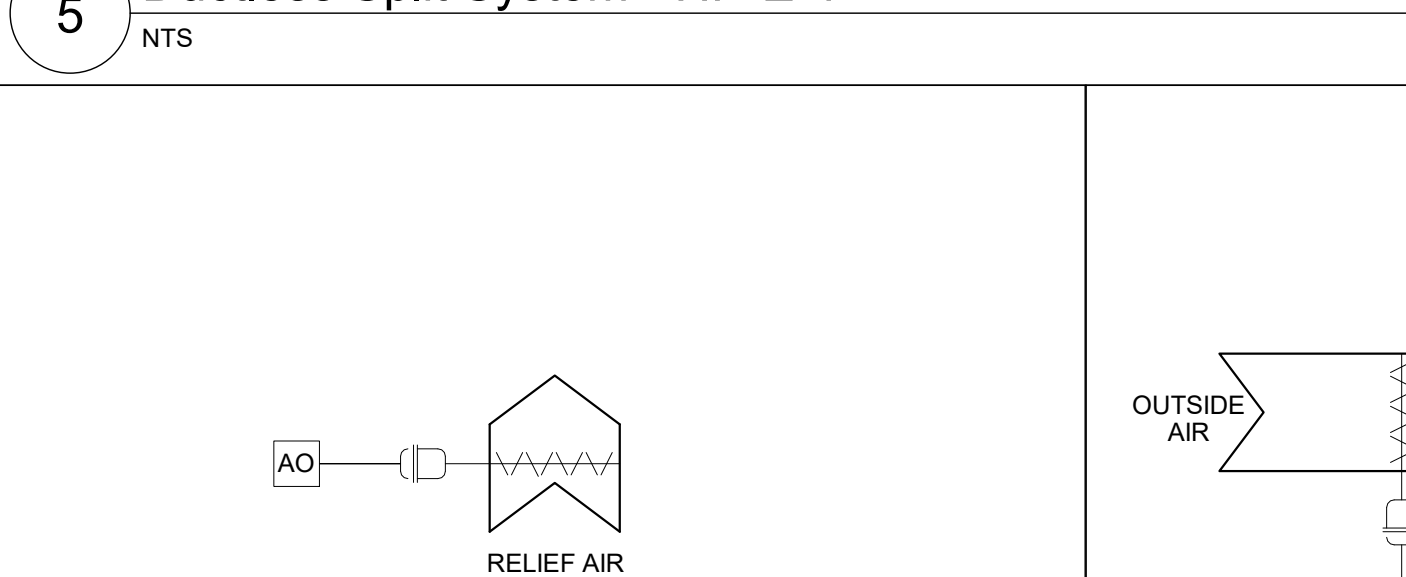
4 RTU - Steam - Valve Control and DX Cooling - RTU-E-1



DUCTLESS SPLIT SYSTEMS - HEAT PUMP - SEQUENCE OF OPERATIONS:

- UNITS SHALL BE CONTROLLED WITH THE UNIT PROVIDED CONTROL AND THERMOSTAT.
- MONITOR ROOM TEMPERATURE BY A SPACE TEMPERATURE SENSOR.
- GENERATE AN ALARM WHEN THE TEMPERATURE GOES ABOVE OR BELOW ROOM TEMPERATURE RANGE (ADJUSTABLE).

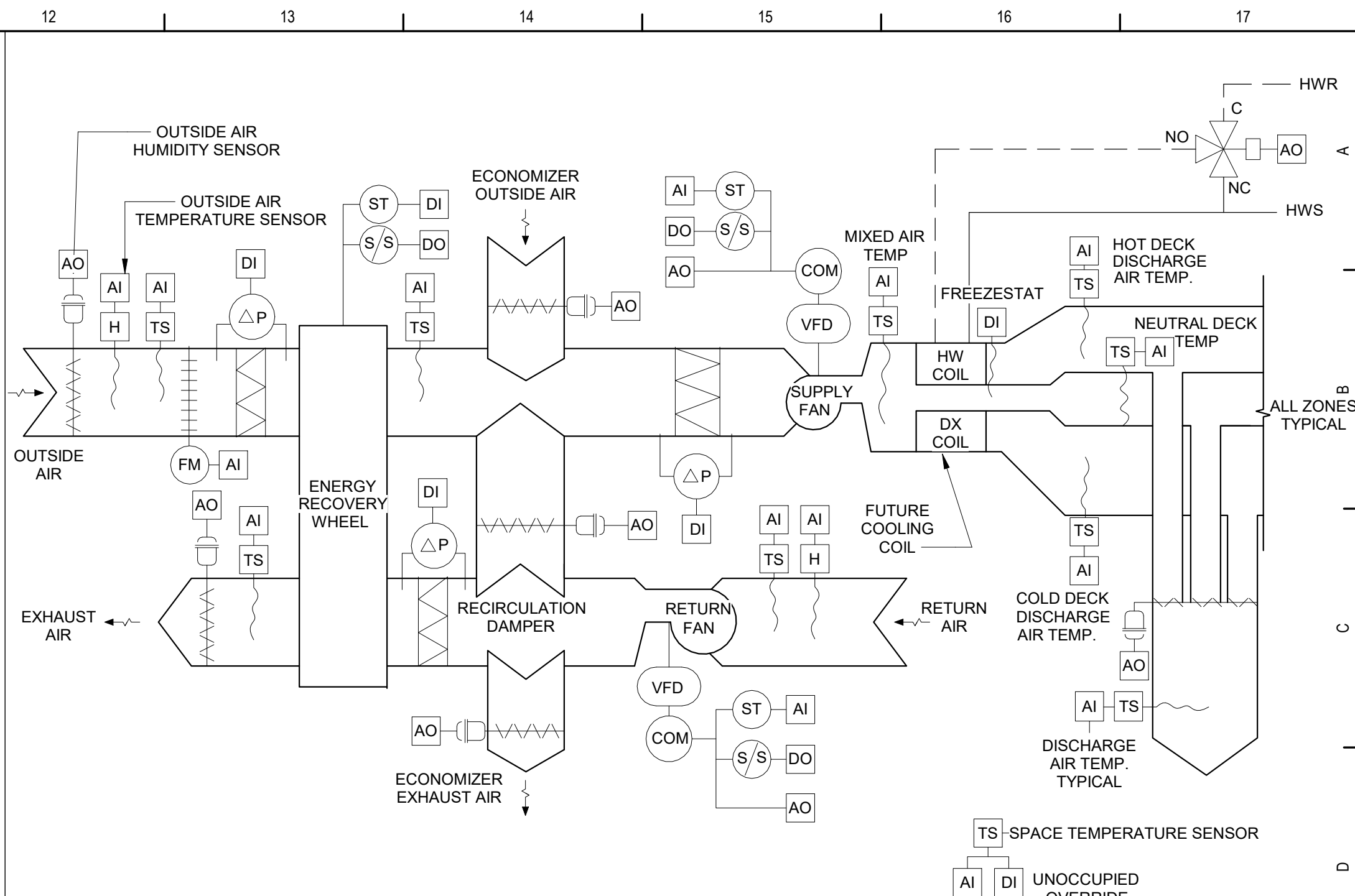
5 Ductless Split System - HP-E-1



ROOF TOP HOOD - RELIEF - SEQUENCE OF OPERATIONS:

- INTERLOCK THE OPERATION OF THE ROOFTOP HOODS WITH THEIR ASSOCIATED HEATING AND/OR COOLING EQUIPMENT.**
- OCCUPIED MODE:**
 - WHERE SPACE HAS AN EXHAUST FAN, AUTOMATIC AIR DAMPER SHALL REMAIN CLOSED UNTIL THE OUTSIDE AIR DAMPER ON ASSOCIATED HEATING AND/OR COOLING EQUIPMENT OPENS PAST ITS MINIMUM POSITION. ONCE OPEN, INTERLOCK THE DAMPER WITH THE OUTSIDE AIR DAMPER.
 - WHERE THERE IS NO EXHAUST FAN, MODULATE THE AUTOMATIC AIR DAMPER OPEN AS THE ASSOCIATED HEATING AND/OR COOLING EQUIPMENT OUTSIDE AIR DAMPER MODULATES OPEN.
- UNOCCUPIED MODE:**
 - AUTOMATIC AIR DAMPER SHALL BE CLOSED.
- WARM-UP MODE:**
 - AUTOMATIC AIR DAMPER SHALL BE CLOSED.

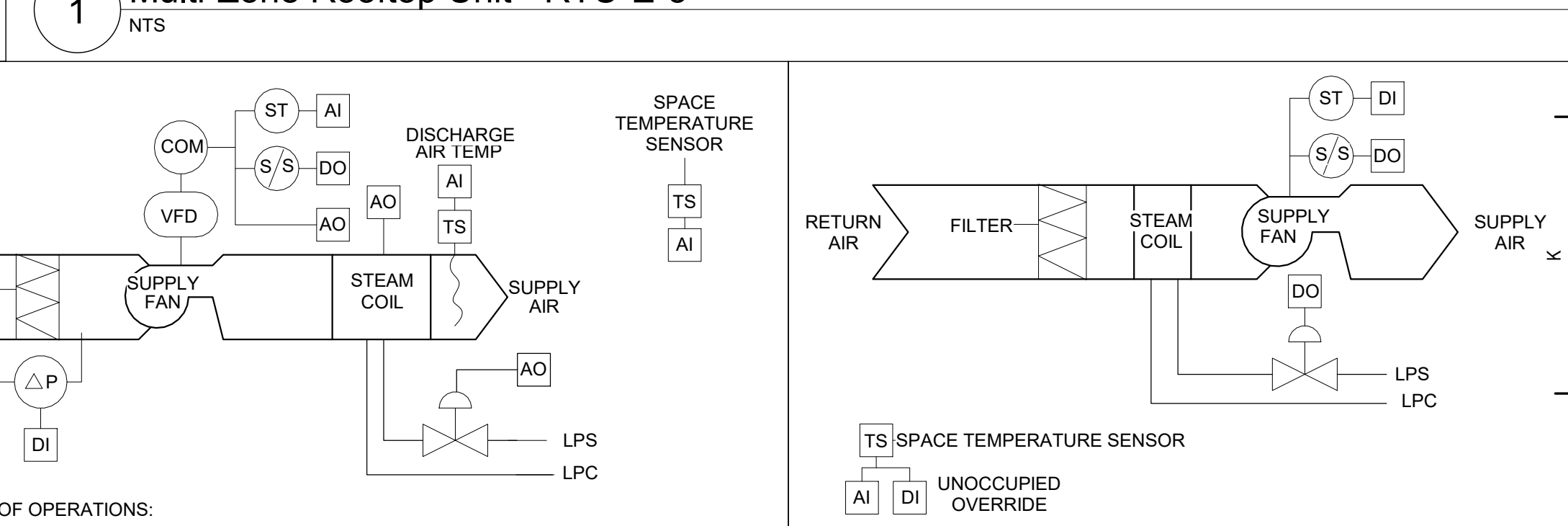
6 Roof Top Hood - Relief



MULTI-ZONE UNIT - HOT WATER (3-WAY VALVE CONTROL) w/Energy Recovery - SEQUENCE OF OPERATIONS:

- GENERAL:**
 - PROVIDE WALL MOUNTED TEMPERATURE SENSORS MOUNTED IN CONTROLLED SPACES IN APPROPRIATE LOCATIONS AS REQUIRED TO MAINTAIN PROPER CONTROL. SHOW INDIVIDUAL AND AVERAGED DATA ON GRAPHIC.
- OCCUPIED PERIOD:**
 - SUPPLY FAN AND RETURN FAN SHALL RUN CONTINUOUSLY. THE SUPPLY FAN SHALL RUN AT THE FREQUENCY DETERMINED BY THE BALANCING CONTRACTOR.
 - THE OUTSIDE AIR DAMPER SHALL OPEN TO THE POSITION REQUIRED TO MAINTAIN THE MINIMUM OUTSIDE AIR QUANTITY INDICATED. OUTSIDE AIR DAMPER SHALL NEVER BE POSITIONED BELOW THIS MINIMUM POSITION EXCEPT IN CASE OF ALARM. RUN THE ENERGY RECOVERY WHEEL.
 - MAINTAIN SPACE TEMPERATURE HEATING (88°F ADJ.) AND MAXIMUM AVERAGE RETURN AIR RELATIVE HUMIDITY SETPOINT OF 60% (ADJ.). ALL SETPOINTS SHALL BE ADJUSTABLE AT THE OWS, WITH BIAS ADJUSTMENTS FOR INDIVIDUAL PREFERENCES IN THE RESPECTIVE ZONE THERMOSTATS.
 - HEATING: MODULATE THE HEATING CONTROL VALVE AS REQUIRED TO MAINTAIN OUTDOOR AIR RESET OF HOT DECK TEMPERATURE. VARY HOT DECK TEMPERATURE INVERSELY WITH OUTDOOR AIR TEMPERATURE FROM 70 DEG. F (ADJ.) TO 90 DEG. F (ADJ.). AS THE OUTDOOR AIR TEMPERATURE VARIES FROM 55 DEG. F (ADJ.) TO 10 DEG. F (ADJ.), ABOVE AND BELOW THESE OUTDOOR TEMPERATURES THE HOT DECK TEMPERATURE SHALL REMAIN CONSTANT AS POSSIBLE WITHIN EQUIPMENT RESTRAINTS. MODULATE INDIVIDUAL ZONE BLADES TO MIX HOT AND COLD (NEUTRAL) AIR AS REQUIRED TO MAINTAIN SMOOTH TEMPERATURE CONTROL OF DISCHARGE AIR TEMPERATURE AND ZONE SETPOINTS. ADJUST RESET SCHEDULE DURING THE FIRST YEAR OF OPERATION TO MINIMIZE BOTH ENERGY USE AND "NO-HEAT" COMPLAINTS.
 - ECONOMIZER MODE:
 - PROVIDE ENTHALPY BASED ECONOMIZER COOLING PRIOR TO USING MECHANICAL COOLING. REFER TO GENERAL SPECIFICATION ENTHALPY ECONOMIZER CONTROLS FOR MORE DETAILS.
 - FIRST STAGE ECONOMIZER COOLING: TURN OFF THE ENERGY RECOVERY WHEEL.
 - SECOND STAGE OF ECONOMIZER COOLING: MODULATE THE ECONOMIZER (OUTSIDE AND EXHAUST AIR) DAMPERS OPEN AS REQUIRED, WHILE MAINTAINING AT MINIMUM 55°F RTU NEUTRAL DECK TEMPERATURE.
 - MODULATE INDIVIDUAL ZONE BLADES BETWEEN HOT AND NEUTRAL DECKS, AND BETWEEN COLD AND NEUTRAL DECKS, AS REQUIRED TO MAINTAIN SMOOTH TEMPERATURE CONTROL OF DISCHARGE AIR TEMPERATURE AND ZONE SETPOINTS.
- UNOCCUPIED PERIOD:**
 - THERE SHALL BE NO MINIMUM OUTSIDE AIR REQUIREMENT DURING THE UNOCCUPIED PERIOD; CONTROL THE OUTSIDE AIR AND EXHAUST AIR DAMPERS TO BE SHUT DURING HEATING OPERATION, AND THE RECIRCULATION DAMPERS TO BE 100% OPEN. MODULATE THE OUTSIDE AIR AND EXHAUST AIR DAMPERS OPEN, AND THE RECIRCULATION DAMPER CLOSED, AS REQUIRED TO MAINTAIN THE UNOCCUPIED PERIOD ECONOMIZER COOLING SET POINT.
 - RUN THE SUPPLY AND EXHAUST FANS INTERMITTENTLY AT REDUCED CFM AS REQUIRED TO MAINTAIN A REDUCED SPACE TEMPERATURE HEATING SET-POINT (INITIALLY 65°F). THE FANS TO BE OFF WHEN THE SPACE IS WITHIN THE SET-POINT DEAD-BAND (ADJ.), AND CONTINUOUSLY MODULATE THE SPEED OF THE SUPPLY AND EXHAUST FAN VARIABLE SPEED DRIVES AS A FUNCTION OF THE DEVIATION FROM THE SETPOINTS AS REQUIRED, PROPORTIONAL TO THE LARGEST PERCENTAGE OPEN POSITION OF THE HEATING VALVE OR THE OUTSIDE AIR DAMPER. ALL SET-POINTS SHALL BE ADJUSTABLE AT THE OWS.
 - ON CALL FOR HEAT, MODULATE THE HEATING CONTROL VALVE AS REQUIRED TO MAINTAIN OUTDOOR AIR RESET OF HOT DECK TEMPERATURE. HOTTEN THAN DURING THE OCCUPIED PERIOD TO MINIMIZE RUNTIME. VARY HOT DECK TEMPERATURE INVERSELY WITH OUTDOOR AIR TEMPERATURE FROM 80 DEG. F (ADJ.) TO 100 DEG. F (ADJ.), AS THE OUTDOOR AIR TEMPERATURE VARIES FROM 55 DEG. F (ADJ.) TO 10 DEG. F (ADJ.). ABOVE AND BELOW THESE OUTDOOR TEMPERATURES THE HOT DECK TEMPERATURE SHALL REMAIN CONSTANT AS POSSIBLE WITHIN EQUIPMENT RESTRAINTS. ADJUST RESET SCHEDULE AND DEADBAND AS REQUIRED DURING THE FIRST YEAR OF OPERATION TO MINIMIZE ENERGY USE, SHORT CYCLING, AND MAINTAIN SPACE TEMPERATURE HEATING SETPOINTS.
 - MODULATE THE ZONE BLADES AS REQUIRED TO ACHIEVE SETPOINT RAPIDLY WITHOUT OVERHEATING INDIVIDUAL SPACES.
 - WHEN THERE IS ASSOCIATED FIN TUBE RADIATION SERVING THE SAME SPACE, PROVIDE SEPARATE LOWER SET-POINT FOR AIR HANDLER SO FANS OPERATE ONLY WHEN FIN TUBE IS NOT MAINTAINING SET-POINT.
 - WHEN THE OUTSIDE AIR TEMPERATURE 36°F OR LOWER AND THE FANS ARE OFF, OPEN THE CONTROL VALVE TO COIL TO PREVENT FREEZE-UP. PROPORTIONALLY OPEN THE CONTROL VALVE TO COIL AS THE OUTDOOR AIR TEMPERATURE VARIES, FROM 20% (ADJ.) AT 36 DEG. F (ADJ.) TO 50% (ADJ.) AT 0 DEG. F (ADJ.).
- WARM-UP PERIOD:**
 - WARMUP MODE SHALL BE USED BETWEEN UNOCCUPIED AND OCCUPIED MODES.
 - THE CHANGE FROM UNOCCUPIED TO WARMUP MODES SHALL BE PART OF THE STAGGERED START SCHEDULE.
 - ON INITIATION OF WARMUP MODE, RUN THE SUPPLY AND EXHAUST FANS CONTINUOUSLY AND MODULATE THE ZONE BLADES AND HEATING CONTROL VALVE AS REQUIRED TO ACHIEVE AND MAINTAIN THE OCCUPIED PERIOD TEMPERATURE SET POINT.
 - MAINTAIN THE OUTSIDE, EXHAUST AND RECIRCULATION AIR DAMPERS IN THE UNOCCUPIED POSITION UNTIL MORNING WARM-UP OR COOL DOWN HAS BEEN ACCOMPLISHED, THEN SLOWLY MODULATE DAMPERS TO THEIR PROPER OCCUPIED MODE POSITION. AVOID Sudden TEMPERATURE SWINGS AND ACTIVATION OF THE LOW TEMPERATURE LIMIT. TIMING OF WARMUP MODE SHALL INSURE AT LEAST ONE FULL AIR CHANGE "PURGE" BEFORE THE BEGINNING OF THE OCCUPIED PERIOD SCHEDULED.
- SAFETIES:**
 - PROVIDE FILTER DIFFERENTIAL PRESSURE SWITCHES ACROSS EACH FILTER BANK; ALARM THE OWS WHEN THE FILTERS (AND WHICH FILTER BANK) EXCEED THEIR DIFFERENTIAL PRESSURE LIMIT.
 - SENSE THE STATUS OF THE FAN VIA FEEDBACK FROM VSD. WHEN THE SPEED COMMAND AND FEEDBACK STATUS DO NOT AGREE, GENERATE AN ALARM AT THE OWS.
 - PROVIDE COIL FREEZE PROTECTION VIA ANALOG TEMPERATURE SENSOR AT EXPECTED FREEZE LOCATION, AND "LOWEST FOOT" STYLE MANUAL RESET FREEZESTAT. WHENEVER FREEZE-UP CONDITIONS ARISE (36 DEG. F ADJUSTABLE) STOP THE SUPPLY FAN, FULLY CLOSE THE OUTSIDE AIR DAMPER, POSITION THE HEATING THREE-WAY CONTROL VALVE FULLY OPEN TO COIL AND ACTIVATE ALARM.
 - FIRE ALARM SHUTDOWN.
 - HOT DECK HIGH TEMP ALARM.
 - HOT DECK LOW TEMP ALARM.

1 Multi-Zone Rooftop Unit - RTU-E-3



MAKE UP AIR UNIT - STEAM - SEQUENCE OF OPERATIONS:

- OCCUPIED MODE:**
 - INTERLOCK MUA OPERATION WITH KITCHEN EXHAUST FAN.
 - THE SUPPLY FAN SHALL RUN AT THE FREQUENCY DETERMINED BY THE BALANCING CONTRACTOR.
 - OUTSIDE AIR DAMPER SHALL OPEN.
 - WHEN THE SPACE TEMPERATURE DROPS 3 DEG. F (ADJ.) BELOW THE HEATING SET POINT (70 DEG. F (ADJ.)), THE CONTROL VALVE SHALL MODULATE TO MAINTAIN SPACE HEATING SETPOINT SUBJECT TO DISCHARGE HIGH LIMIT OF 110 DEG. F (ADJ.).
- UNOCCUPIED MODE:**
 - THE SUPPLY FAN SHALL BE OFF.
 - THE OUTSIDE AIR DAMPER SHALL BE FULLY CLOSED.
- SAFETIES:**
 - DIFFERENTIAL PRESSURE ACROSS THE AIR FILTERS SHALL GENERATE AN ALARM WHENEVER THE DIFFERENTIAL PRESSURE EXCEEDS ITS ADJUSTABLE SETPOINT.
 - IF THE DISCHARGE AIR TEMPERATURE DROPS BELOW 36 DEG. F (ADJUSTABLE), THE SUPPLY FAN SHALL TURN OFF AND SHALL BE LOCKED OUT. THE CONTROL VALVE SHALL MODULATE FULLY OPEN, AND AN ALARM SHALL BE ACTIVATED.
 - IF THE DISCHARGE AIR TEMPERATURE RISES ABOVE 120 DEG. F (ADJUSTABLE), THE CONTROL VALVE SHALL MODULATE CLOSED AND AN ALARM SHALL BE ACTIVATED.
 - UPON FAILURE OF THE FAN, AS SENSED BY A CURRENT SENSING STATUS SWITCH, GENERATE AN ALARM AT THE OWS.

3 Make-Up Air Unit - Steam - MUA-E-1



CABINET UNIT HEATER - STEAM - VALVE CONTROL - SEQUENCE OF OPERATIONS:

- OCCUPIED MODE:**
 - WHEN THE SPACE TEMPERATURE IS AT OR BELOW THE HEATING SETPOINT, CYCLE THE SUPPLY FAN ON AND THE CONTROL VALVE FULL OPEN TO MAINTAIN SPACE SETPOINT.
- UNOCCUPIED MODE:**
 - ON DROP IN SPACE TEMPERATURE BELOW THE UNOCCUPIED SETPOINT, CYCLE THE SUPPLY FAN ON AND THE CONTROL VALVE FULL OPEN TO MAINTAIN SPACE UNOCCUPIED SETPOINT.
- WARM-UP MODE:**
 - THE UNIT SHALL START PER AN OPTIMAL START PROGRAM.
- SAFETIES:**
 - UPON FAILURE OF THE FAN, AS SENSED BY A CURRENT SENSING STATUS SWITCH, GENERATE AN ALARM AT THE OWS.

2 CUH - Steam - Valve Control

TEMPERATURE CONTROLS SYMBOLS LIST

AI	ANALOG IN	AI	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
DP	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
BS	BOILER SWITCH		

S.E.D. Control No. 62-18-01-06-0-001-019

Rev. No.:	Date:	Description:

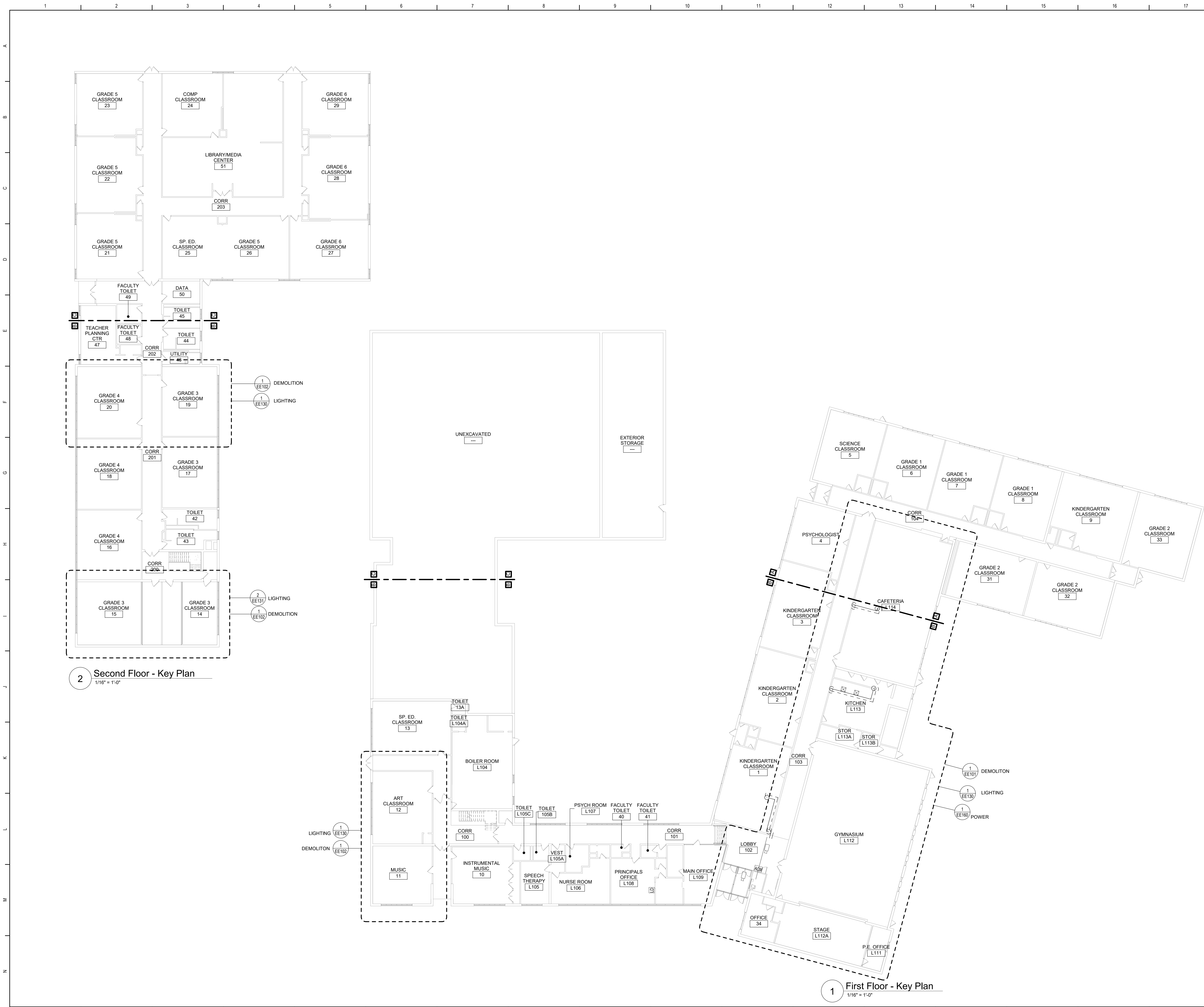


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 Tetra Tech Engineers, Architects & Landscape Architects, P.C.



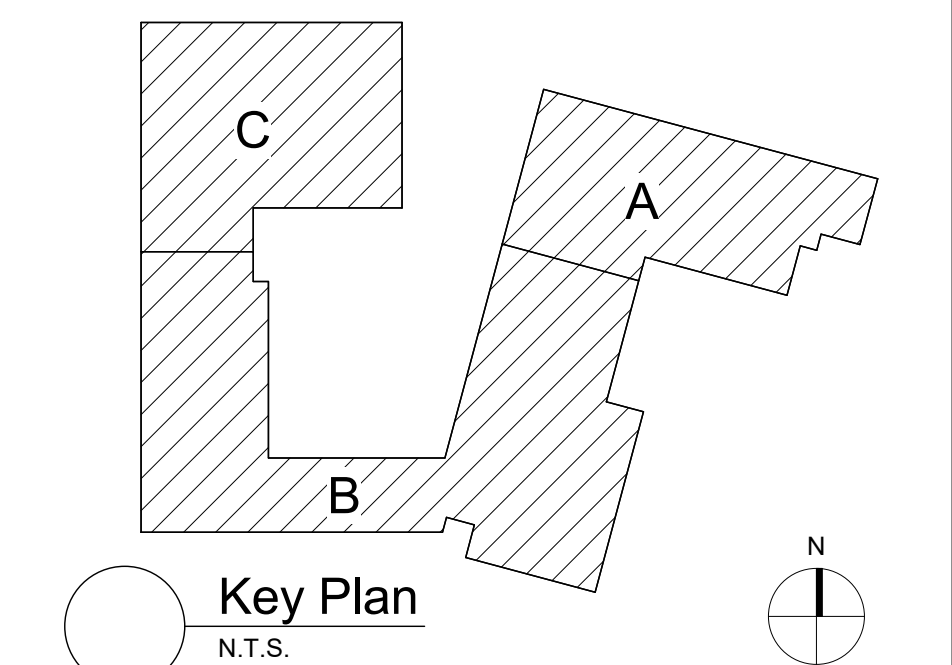
Walkill Central School District
 Walkill, New York

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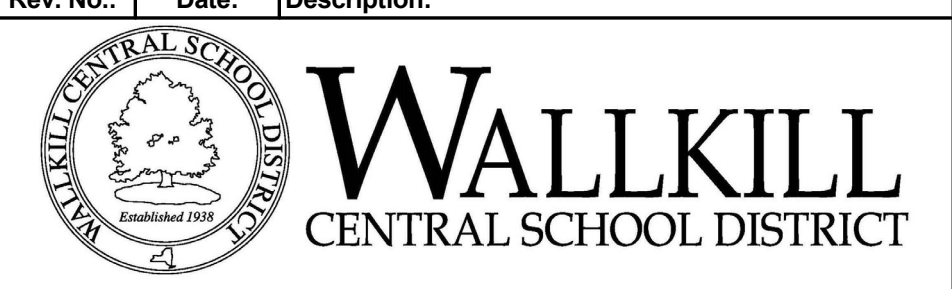
General Notes

- A. COORDINATE ALL ELECTRICAL WORK AND POWER OUTAGES WITH OWNER AND OTHER TRADES PRIOR TO THE START OF CONSTRUCTION. NO POWER OUTAGES SHALL OCCUR WITHOUT OWNER'S PRIOR KNOWLEDGE AND CONSENT.
- B. REFER TO DRAWING SA FOR STANDARD SYMBOLS AND ABBREVIATIONS.
- C. AT ALL CORRIDORS WHERE NEW CEILINGS ARE BEING INSTALLED, REINSTALL DEVICES ON NEW CEILINGS AS SHOWN ON NEW WORK DRAWINGS AND EXTEND/MODIFY EXISTING CIRCUITRY AS REQUIRED.
- D. CIRCUIT WIRING FOR ALL LIGHTING CIRCUITS SHALL BE IN 1/2" EMT CONDUIT (MIN) OR TYPE MC CABLE CONCEALED ABOVE CEILINGS AND IN WALLS (REFER TO SPECIFICATION SECTION 26 05 33 FOR LOCATIONS WHERE MC CABLE IS ACCEPTABLE). ALL CIRCUIT CONDUCTORS SHALL BE #12AWG COPPER (MIN) 90°C THHN THERMOPLASTIC INSULATION.
- E. PROPERLY IDENTIFY ALL CIRCUITS AT PANELS AND J-BOXES AND IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
- F. PROVIDE ALL ADAPTERS, COUPLINGS AND ASSOCIATED FITTINGS REQUIRED FOR COMPLETE OPERATIONAL SYSTEM.
- G. INSTALL CHAIN-HUNG LIGHT FIXTURES AFTER ALL MECHANICAL AND PLUMBING EQUIPMENT, PIPING AND DUCTWORK HAVE BEEN INSTALLED.
- H. WHEN INSTALLING NEW DEVICES IN EXISTING LOCATIONS, REUSE EXISTING CONDUIT/RACEWAY AND BACK BOXES IF IN GOOD CONDITION. EXTEND/INSTALL NEW CONDUIT/RACEWAY AS REQUIRED FOR PROPER MOUNTING OF DEVICE. CONCEAL ABOVE CEILINGS OR WITHIN WALLS WHERE POSSIBLE. REFER TO SPECIFICATION SECTION 26 05 33.
- J. UNLESS NOTED ELSEWHERE ON THE CONTRACT DOCUMENTS, THE FOLLOWING LIST REPRESENTS THE TYPICAL MOUNTING HEIGHTS FOR THE DEVICES SHOWN:
- | | |
|---|--------------|
| 1. SWITCHES AND PANIC STATIONS..... | 48" (TO TOP) |
| 2. RECEPTACLES..... | 16" |
| 3. COMPUTER RECEPTACLES..... | 16" |
| 4. WALL (W) TELEPHONE AND/OR CALL SWITCHES..... | 48" (TO TOP) |
| 5. TELEPHONE OUTLETS (UNLABELED)..... | 16" |
| 6. VOLUME CONTROLS..... | 48" (TO TOP) |
| 7. TELEVISION OUTLETS..... | 16" |
| 8. FIRE ALARM PULL STATIONS..... | 48" (TO TOP) |
| 9. FIRE ALARM AUDIO/VISUAL UNITS..... | 88" |
| * (OR 6" BELOW CEILING, WHICHEVER IS LOWER) | |
| 10. POWER PANELS..... | 72" (TO TOP) |
| 11. DISCONNECT SWITCHES..... | 60" (TO TOP) |
| 12. MOTOR STARTERS..... | 60" (TO TOP) |
- THE HEIGHTS INDICATED SHALL BE NOMINAL TO THE BOTTOM OF THE BOX UNLESS NOTED OTHERWISE. MAINTAIN HEIGHT CONSISTENCY BETWEEN NEW AND EXISTING DEVICES.
- K. COORDINATE ALL ELECTRICAL WORK WITH OTHER TRADES.
- L. PROVIDE ALL POWER DISTRIBUTION WORK INCLUDING PANELS, FEEDERS AND BRANCH CIRCUIT WIRING. UPDATE PANEL DIRECTORIES ACCORDINGLY.
- M. TESTS OF ALL ELECTRICAL WORK SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER OR ARCHITECT. AS EQUIPMENT IS INSTALLED AND AS SYSTEMS ARE COMPLETED. IN ADDITION AN ELECTRIC APPROVED CERTIFICATE SHALL BE ISSUED BY AN ELECTRICAL INSPECTION AGENCY.
- N. CONNECT ALL EXIT AND EMERGENCY LIGHTS TO THE UNSWITCHED HOT LEG OF THE LIGHTING CIRCUIT SERVING THE AREA.
- O. ACCESS CONTROL AND SECURITY SYSTEM PROVIDED BY OWNERS SECURITY VENDOR. PROVIDE 120V CONNECTION TO ELH POWER SUPPLY AND ACM LOCATION. COORDINATE FINAL LOCATIONS WITH OWNER. REFER TO SEE600



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Wallkill Central School District
Wallkill, New York

Reconstruction to:
Leptondale Elementary School

Key Plans

Drawn By: GLK/CR/ded	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001	EE051	



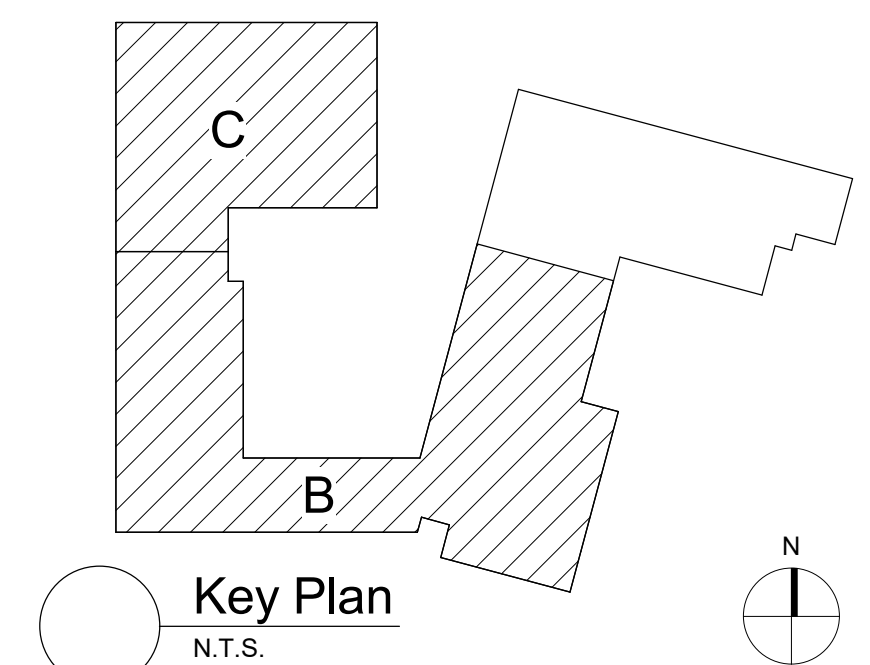
1 Partial First Floor Demoliton Plan - Area B
1/8" = 1'-0"

Demolition General Notes

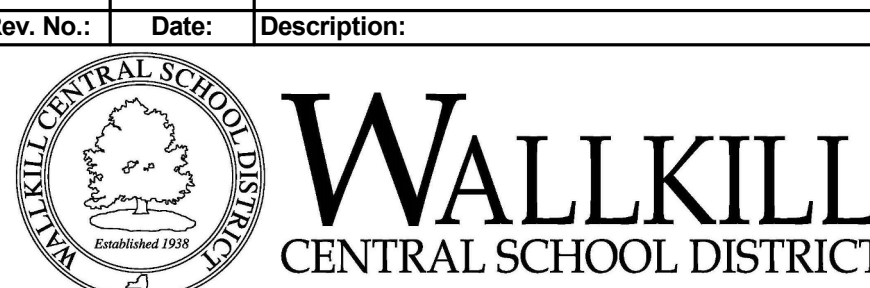
- A. ALL ELECTRICAL DEVICES INTERFERING WITH DEMOLITION WORK SHALL BE DISCONNECTED AND REMOVED, UNLESS OTHERWISE NOTED. EXISTING CIRCUIT WIRING SHALL BE REMOVED BACK TO SOURCE AND PANEL DIRECTORIES MODIFIED ACCORDINGLY.
- B. ANY DEVICE INTERFERING WITH DEMOLITION WORK NOT SHOWN ON THESE DRAWINGS SHALL NOT BE REMOVED WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER'S REPRESENTATIVE OR THE ENGINEER.
- C. ALL ELECTRICAL DEMOLITION WORK SHALL BE PROPERLY COORDINATED WITH ALL OTHER TRADES.
- D. REFER TO SPECIFICATIONS SECTION 16010 FOR DEMOLITION REQUIREMENTS.
- E. EC IS SOLELY RESPONSIBLE FOR THE SAFE HANDLING AND DISPOSAL OF ALL REMOVED LIGHT FIXTURES AND BALLASTS THAT MAY CONTAIN PCBs (POLYCHLORINATED BIPHENYLS), IN ACCORDANCE WITH ALL APPLICABLE EPA, OSHA, FEDERAL, STATE, AND LOCAL CODES AND LAWS.
- F. EC IS SOLELY RESPONSIBLE FOR THE SAFE HANDLING AND DISPOSAL OF ALL REMOVED FLUORESCENT LIGHT TUBES THAT MAY CONTAIN MERCURY, IN ACCORDANCE WITH ALL APPLICABLE EPA, OSHA, FEDERAL, STATE, AND LOCAL CODES AND LAWS.
- G. AT ALL CORRIDORS WHERE NEW CEILINGS ARE BEING INSTALLED, DISCONNECT AND REMOVE DEVICES AS INDICATED, TAG EXISTING WIRING FOR REUSE.

Keyed Notes

- 1 REMOVE LUMINAIRES AND LIGHTING CONTROL, COIL AND TAG CIRCUIT(S) FOR REUSE.
- 2 REMOVE CEILING DEVICES AS NECESSARY. PRESERVE CIRCUITRY AND STORE FOR REINSTALLATION TO SUPPORT STRUCTURAL REINFORCEMENT. COORDINATE ALL WORK WITH GENERAL CONTRACTOR.
- 3 DE-ENERGIZE EQUIPMENT. DISCONNECT ELECTRICAL CONDUCTORS. REMOVE CONDUCTORS BACK TO THE SOURCE OVERCURRENT PROTECTIVE DEVICE. IDENTIFY THE CIRCUIT AT THE PANEL/SWITCHBOARD AND UPDATE PANEL DIRECTORY TO INDICATE AVAILABLE SPARE.



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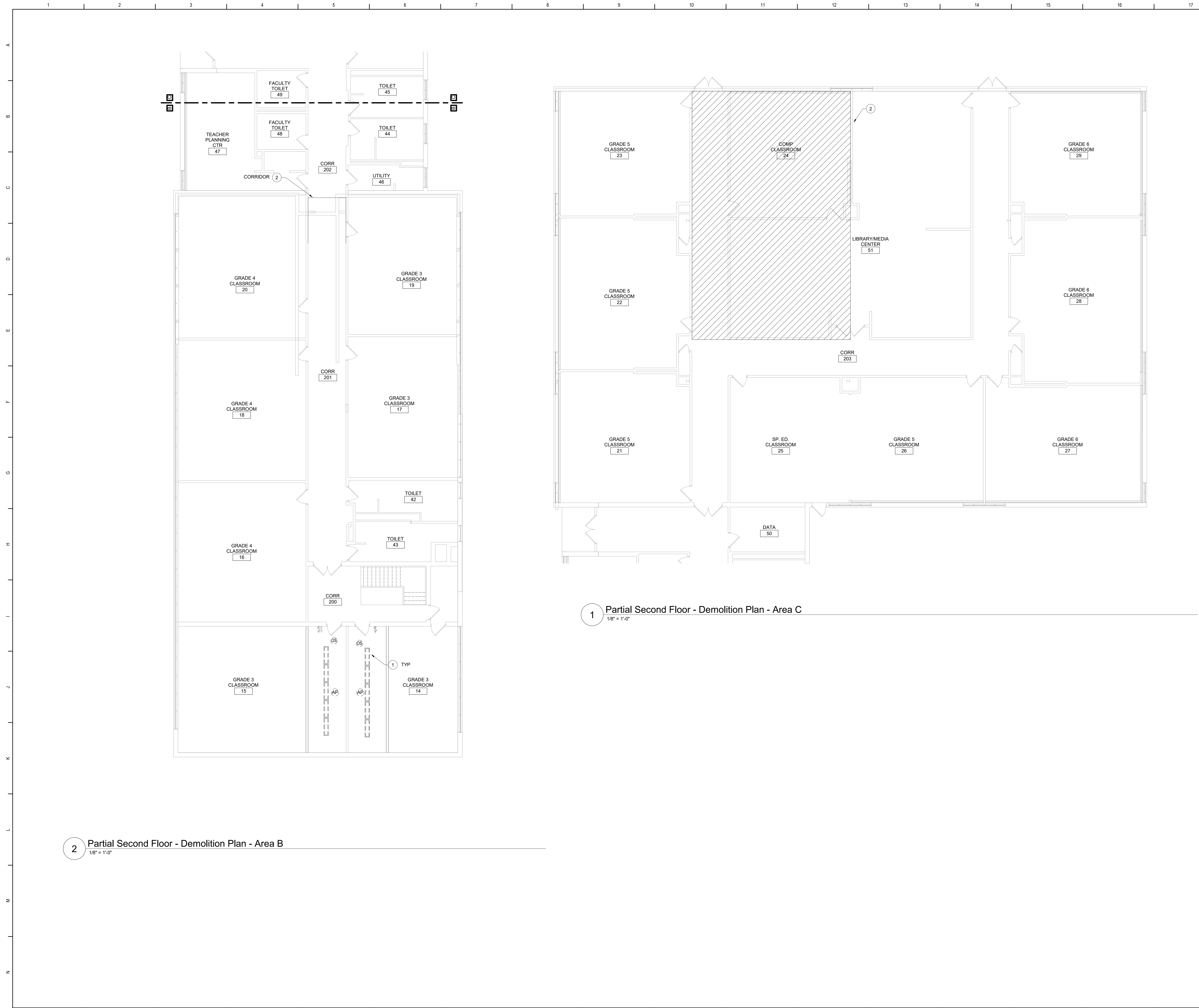


Walkkill Central School District
Walkkill, New York

Reconstruction to:
Leptondale Elementary School

Partial First Floor and Demolition Plans
Areas B & C

Drawn By: CR/ded Date: 11/4/2022 Drawing Number:
Project No.: 17597-22001 EE101



Keyed Notes

- 1 REMOVE LUMINAIRES AND LIGHTING CONTROL, COIL AND TAG CIRCUIT(S) FOR REUSE.
- 2 REMOVE CEILING DEVICES AS NECESSARY, PRESERVE CIRCUITRY AND STORE FOR REINSTALLATION TO SUPPORT STRUCTURAL REINFORCEMENT. COORDINATE ALL WORK WITH GENERAL CONTRACTOR.

GENERAL NOTES

A. REFER TO DRAWING EE101 FOR GENERAL DEMOLITION NOTES.

Key Plan
N.T.S.

S.E.D. Control No. 62-18-01-06-0-001-019

Rev. No.	Date	Description

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CENTRAL SCHOOL DISTRICT

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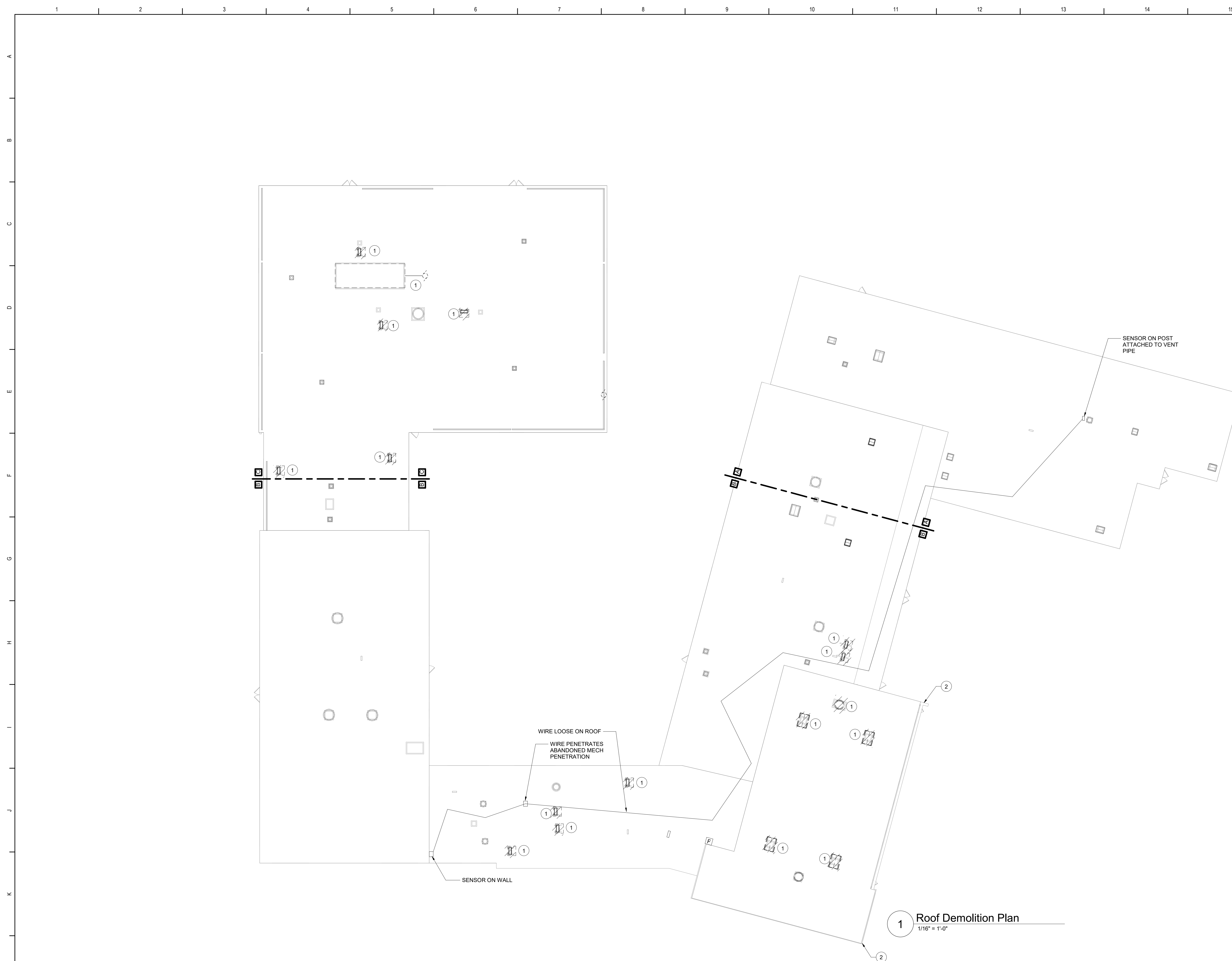
Wallkill Central School District
Wallkill, New York

Reconstruction to:
Leptondale Elementary School

Partial Second Floor Demolition Plans -
Areas B and C

Drawn By: GLK/CR/ded	Date: 11/4/2022	Drawing Number: EE102
Project No.: 17597-22001		

BID SET

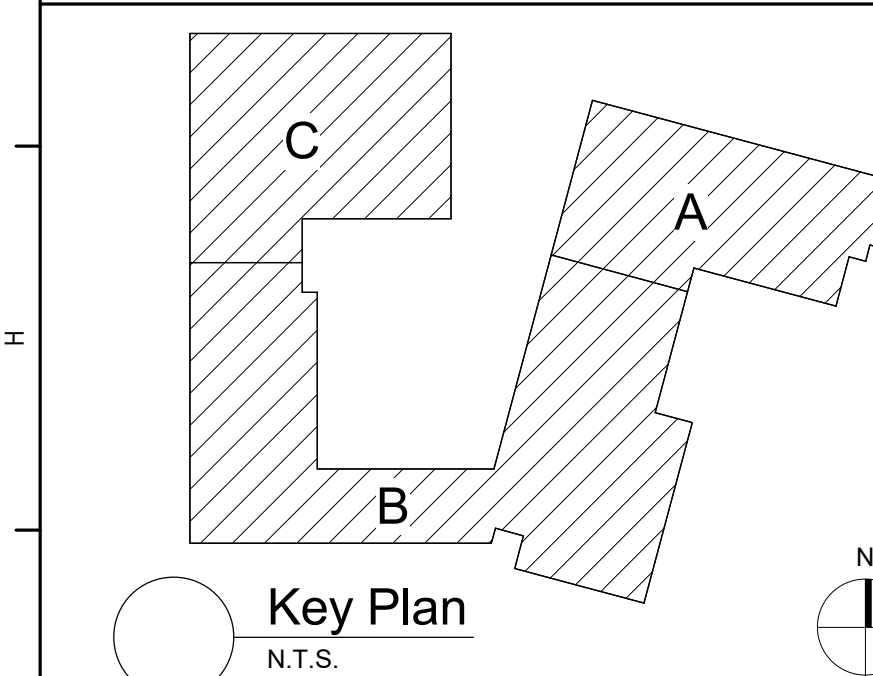


	<u>Keyed Notes</u>
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- ① DE-ENERGIZE EQUIPMENT. DISCONNECT ELECTRICAL CONDUCTORS, MAKE NEAT AND SAFE, SAFEGUARD FOR REUSE.
- ② EXISTING WALL SURFACE MOUNTED ELECTRICAL BOX AND CONDUITS TO BE REMOVED AND REINSTALLED

GENERAL NOTES

6 A. REFER TO DRAWING EE101 FOR GENERAL DEMOLITION NOTES.



S.E.D. Control No. 62-18-01-06-0-001-019

Rev. No.:	Date:	Description:
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Walkill Central School District
Walkill, New York

M	Reconstruction to: Leptondale Elementary School
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Roof Demolition Plan

N	Drawn By: GLK/ded	Date: 11/4/2022	Drawing Number: EE103
	Project No.: 17597-22001		



1 Partial First Floor Lighting Plan Area B
1/8" = 1'-0"

Keyed Notes

- 1 REINSTALL PREVIOUSLY STORED CEILING DEVICES REMOVED FOR STRUCTURAL REINFORCEMENT. RECONNECT TO PRESERVED CIRCUITRY AND CONTROLS.
- 2 CONNECT LUMINAIRES TO PREVIOUSLY PRESERVED CIRCUITRY. EXTEND/MODIFY AS NECESSARY.
- 3 CONNECT LUMINAIRES TO PREVIOUSLY PRESERVED CIRCUITRY. EXTEND/MODIFY AS NECESSARY.

General Notes:

A. REFER TO DRAWING CE051 FOR GENERAL NOTES.

B. LIGHTING CONTROL SEQUENCES:

CLASSROOMS:

(2) ZONE. TEACHING WALL AND GENERAL CLASSROOM EACH OPERATED WITH A (4) BUTTON LOW VOLTAGE LIGHTING CONTROL. BUTTON CAPABLE OF ON/OFF, 50% AND 100% MAYBE BE MANUALLY ADJUSTED BY EACH LOW VOLTAGE LIGHTING CONTROL PER ZONE. IF LUMINAIRES ARE LEFT ON AND CLASSROOM IS UNOCCUPIED LUMINAIRES WILL TURN OFF WITHIN 15 MINUTES. ONCE ROOM BECOMES OCCUPIED AGAIN LUMINAIRES WILL TURN ON TO LAST LEVEL OR LAST LEVEL SELECTED.

LOBBY/VESTIBULES:

PERSON ENTERS THE AREA. LUMINAIRES TURN ON TO 100% OUTPUT AUTOMATICALLY BY OCCUPANCY SENSOR. PERSON EXITS THE AREA. LUMINAIRES DIM TO 50% OUTPUT (MAINTAINING EGRESS LEVEL ILLUMINATION). MANUAL CONTROL BY LINE VOLTAGE KEYED SWITCH.

OFFICES:

PERSON ENTERS THE ROOM AND LUMINAIRES TURN ON TO 50% OUTPUT BY OCCUPANCY SENSOR. WHEN PERSON EXITS THE ROOM THE OCCUPANCY SENSOR WILL TURN OFF THE LUMINAIRES AFTER 15 MINUTES. LOW VOLTAGE LIGHTING CONTROL. BUTTON CAPABLE OF ON/OFF, 50% AND 100% MAYBE BE MANUALLY ADJUSTED BY BUTTON.

KITCHEN:

PERSON ENTERS THE ROOM AND TURNS LUMINAIRES ON TO 100% OUTPUT. WHEN PERSON EXITS THE ROOM THE OCCUPANCY SENSOR WILL TURN OFF THE LUMINAIRES AFTER 15 MINUTES. IF PERSON ENTERS AGAIN LUMINAIRES WILL TURN ON TO 100%. MANUAL CONTROL BY LOW VOLTAGE KEYED SWITCH.

Key Plan

N.T.S.

S.E.D. Control No. 62-18-01-06-0-001-019

Rev. No.:	Date:	Description:

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Wallkill Central School District
Wallkill, New York

Reconstruction to:
Leptondale Elementary School

Partial First Floor Lighting Plan Areas A
and B

Drawn By:
CR

Date:
11/4/2022

Drawing Number:

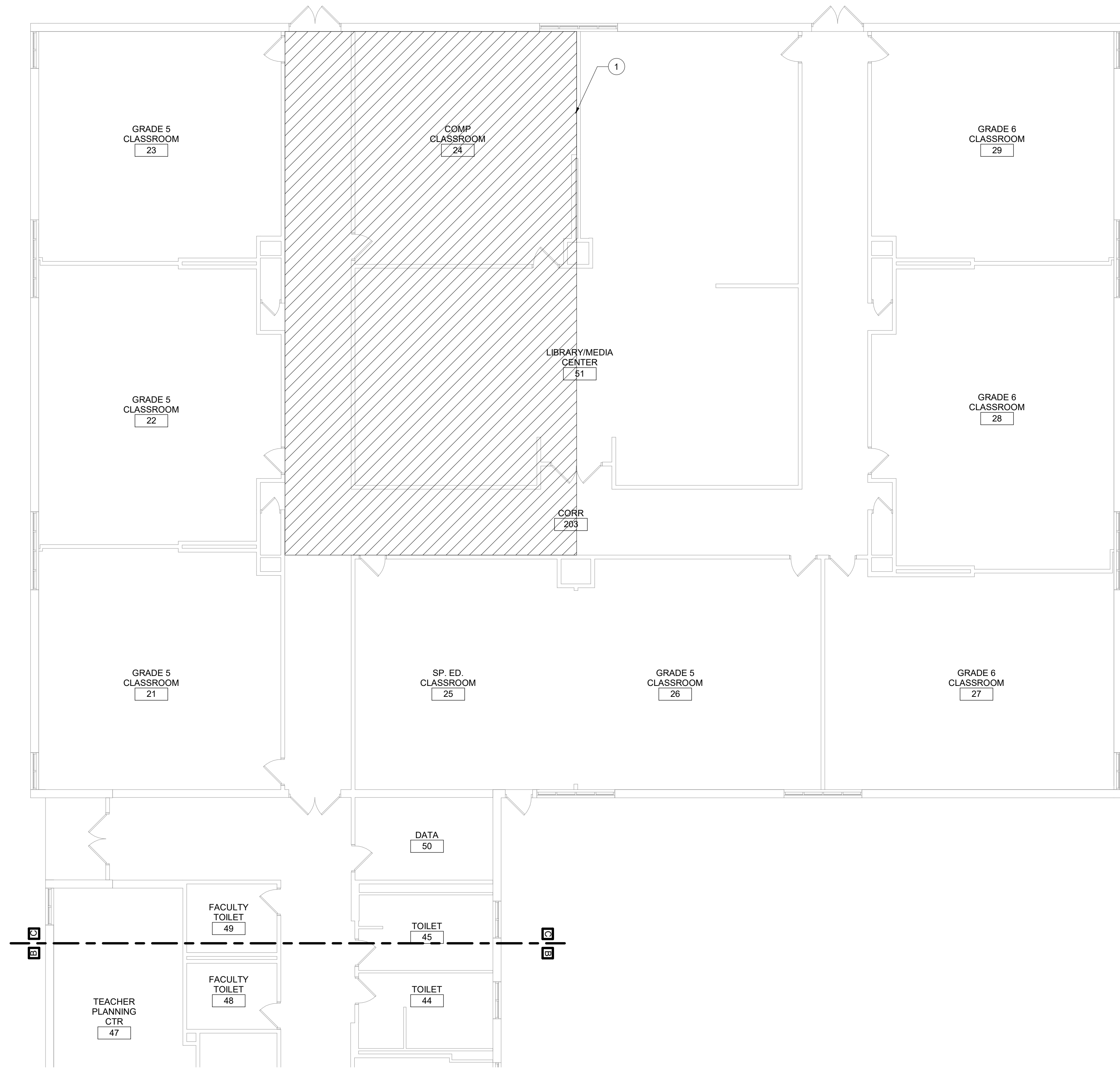
Project No.:

17597-22001

EE130



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



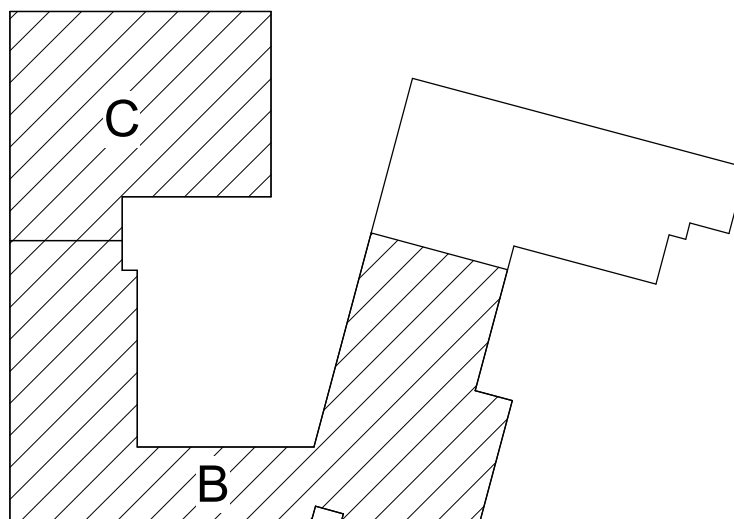
1 Partial Second Floor Lighting Plan - Area C
1/8" = 1'-0"

Keyed Notes

- 1 REINSTALL CEILING DEVICES PREVIOUSLY STORED FOR STRUCTURAL REINFORCEMENT WORK. CONNECT TO PRESERVED CIRCUITRY AND CONTROLS.
- 2 CONNECT LUMINAIRES TO PREVIOUSLY PRESERVED CIRCUITRY. EXTEND MODIFY AS NECESSARY.

General Notes:

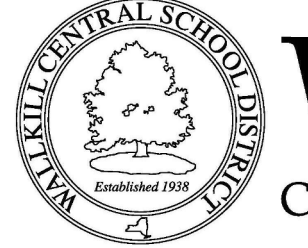
- A. REFER TO DRAWING CE051 FOR GENERAL NOTES.
B. LIGHTING CONTROL SEQUENCES:
CLASSROOMS:
(2) ZONE. TEACHING WALL AND GENERAL CLASSROOM EACH OPERATED WITH A (4) BUTTON LOW VOLTAGE LIGHTING CONTROL. BUTTON CAPABLE OF ON/OFF, 50% AND 100% MAYBE BE MANUALLY ADJUSTED BY EACH LOW VOLTAGE LIGHTING CONTROL PER ZONE. IF LUMINAIRES ARE LEFT ON AND CLASSROOM IS UNOCCUPIED LUMINAIRES WILL TURN OFF WITHIN 15 MINUTES. ONCE ROOM BECOMES OCCUPIED AGAIN LUMINAIRES WILL TURN ON TO LAST LEVEL OR LAST LEVEL SELECTED.



Key Plan
N.T.S.

S.E.D. Control No. 62-18-01-06-0-001-019

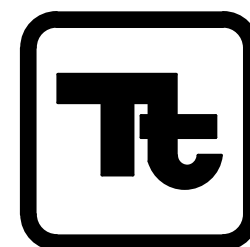
Rev. No.: Date: Description:



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Wallkill Central School District
Wallkill, New York

Reconstruction to:
Leptondale Elementary School

Partial Second Floor Lighting Plan -
Areas B and C

Drawn By:
CR

Date:
11/4/2022

Drawing Number:

Project No.:
17597-22001

EE131



Keyed Notes

- PROVIDE (1) #12 AWG, (1) #12 AWG G IN 1/2" C TO STAGE PANEL "S". PROVIDE (1) 20A, 120V, 1 POLE BREAKER WITH AIC RATING TO MATCH EXISTING PANEL.
- REINSTALL CEILING DEVICES PREVIOUSLY STORED FOR STRUCTURAL REINFORCEMENT WORK. CONNECT TO PRESERVED CIRCUITRY AND CONTROLS.
- ROLL UP FIRE SHUTTER. PROVIDE (1) #12 AWG, (1) #12 AWG G IN 1/2" C TO STAGE PANEL "S". PROVIDE (1) 20A, 120V, 1 POLE BREAKER WITH AIC RATING TO MATCH EXISTING PANEL. PROVIDE FIRE ALARM INITIATION AND CONTROL CIRCUITS AS SHOWN IN DETAIL 6/AE500.
- CONNECT PULL STATION TO EXISTING FIRE ALARM INITIATION CIRCUIT. PROVIDE FACP REPROGRAMMING AS NECESSARY.

GENERAL NOTES

A. REFER TO DRAWING EE051 FOR GENERAL NOTES.

Key Plan
N.T.S.

S.E.D. Control No. 62-18-01-06-0-001-019

1	01/23/2023	SED Add No. 2
Rev. No.:	Date:	Description:

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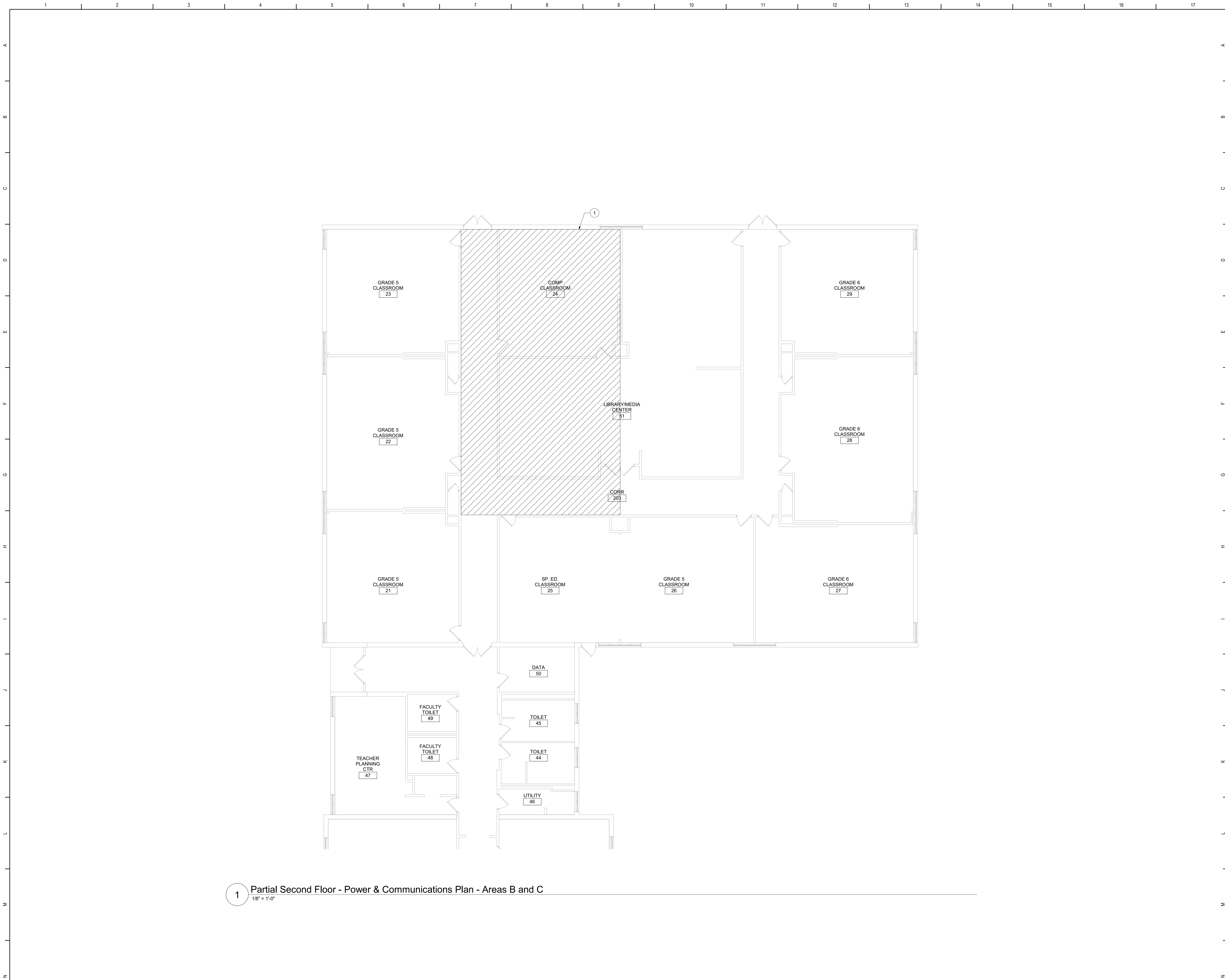
Wallkill Central School District
Wallkill, New York

Reconstruction to:
Leptondale Elementary School

Partial First Floor Power,
Communications and Fire Alarm Plans
Areas A and B

Drawn By: GLK/ded	Date: 11/4/2022	Drawing Number:
Project No.:	17597-22001	

EE160



1 Partial Second Floor - Power & Communications Plan - Areas B and C
1/8" = 1'-0"

Keyed Notes

1 REINSTALL CEILING DEVICES PREVIOUSLY STORED FOR STRUCTURAL REINFORCEMENT WORK. CONNECT TO PRESERVED CIRCUITRY AND CONTROLS.

GENERAL NOTES

A. REFER TO DRAWING EE051 FOR GENERAL NOTES.

Key Plan
N.T.S.

S.E.D. Control No. 62-18-01-06-0-001-019

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WALLKILL
CENTRAL SCHOOL DISTRICT

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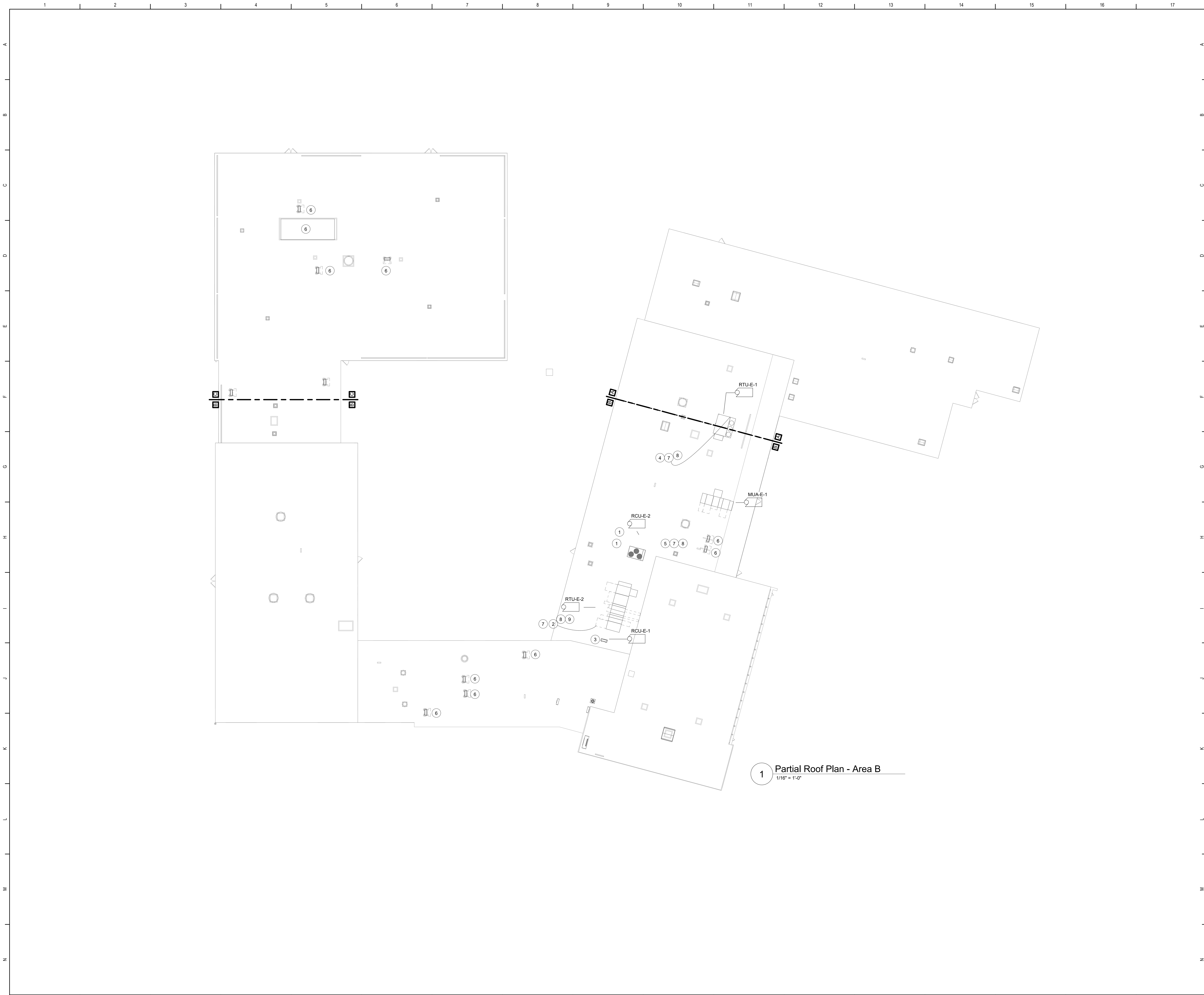
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Wallkill Central School District
Wallkill, New York

Reconstruction to:
Leptondale Elementary School

Partial Second Floor Power,
Communications and Fire Alarm Plan -
Area B and C

Drawn By: GLK/ded	Date: 11/4/2022	Drawing Number: EE161
Project No.: 17597-22001		



1 Partial Roof Plan - Area B
1/16" = 1'-0"

KEYED NOTES:

- 1 PROVIDE (3) #1 AWG, (1) #6 AWG G IN 1-1/4" TO MDP. PROVIDE (1) 150A, 208V, 3 POLE BREAKER WITH AIC RATING TO MATCH EXISTING PANEL.
- 2 PROVIDE (3) #1 AWG, (1) #6AWG G IN 1-1/4" TO MDP. PROVIDE (1) 125A, 208V, 3 POLE BREAKER WITH AIC RATING TO MATCH EXISTING PANEL.
- 3 PROVIDE (2) #12 AWG, (1) #12 AWG G IN 1/2" TO STAGE PANEL "S". PROVIDE (1) 20A, 208V, 2 POLE BREAKER WITH AIC RATING TO MATCH EXISTING PANEL.
- 4 PROVIDE (3) #4 AWG, (1) #8 AWG G IN 1" TO MDP. PROVIDE (1) 80A, 208V, 3 POLE BREAKER WITH AIC RATING TO MATCH EXISTING PANEL.
- 5 PROVIDE (2) #12 AWG, (1) #12 AWG G IN 1/2" TO STAGE PANEL "S". PROVIDE (1) 30A, 208V, 3 POLE BREAKER WITH AIC RATING TO MATCH EXISTING PANEL.
- 6 RECONNECT REPLACEMENT EQUIPMENT TO CIRCUIT PREVIOUSLY REMOVED FOR DEMOLITION.
- 7 PROVIDE DUCT DETECTOR DOWNSTREAM OF SUPPLY SIDE AIR FILTER AND UPSTREAM OF ANY DUCT BRANCH CONNECTIONS. CONNECT DUCT DETECTORS TO EXISTING FIRE ALARM SYSTEM. EXTEND/MODIFY CIRCUITRY AS NECESSARY.
- 8 PROVIDE FAN SHUTDOWN RELAY/CONNECTION FOR SUPPLY FAN. CONNECT TO EXISTING FIRE ALARM SYSTEM, EXTEND/MODIFY CIRCUITRY AS NECESSARY.
- 9 PROVIDE FAN SHUTDOWN RELAY/CONNECTION FOR RETURN FAN. CONNECT TO EXISTING FIRE ALARM SYSTEM, EXTEND/MODIFY CIRCUITRY AS NECESSARY.

GENERAL NOTES

A. REFER TO DRAWING EE051 FOR GENERAL NOTES.

Key Plan
N.T.S.

S.E.D. Control No. 62-18-01-06-0-001-019

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WALLKILL
CENTRAL SCHOOL DISTRICT

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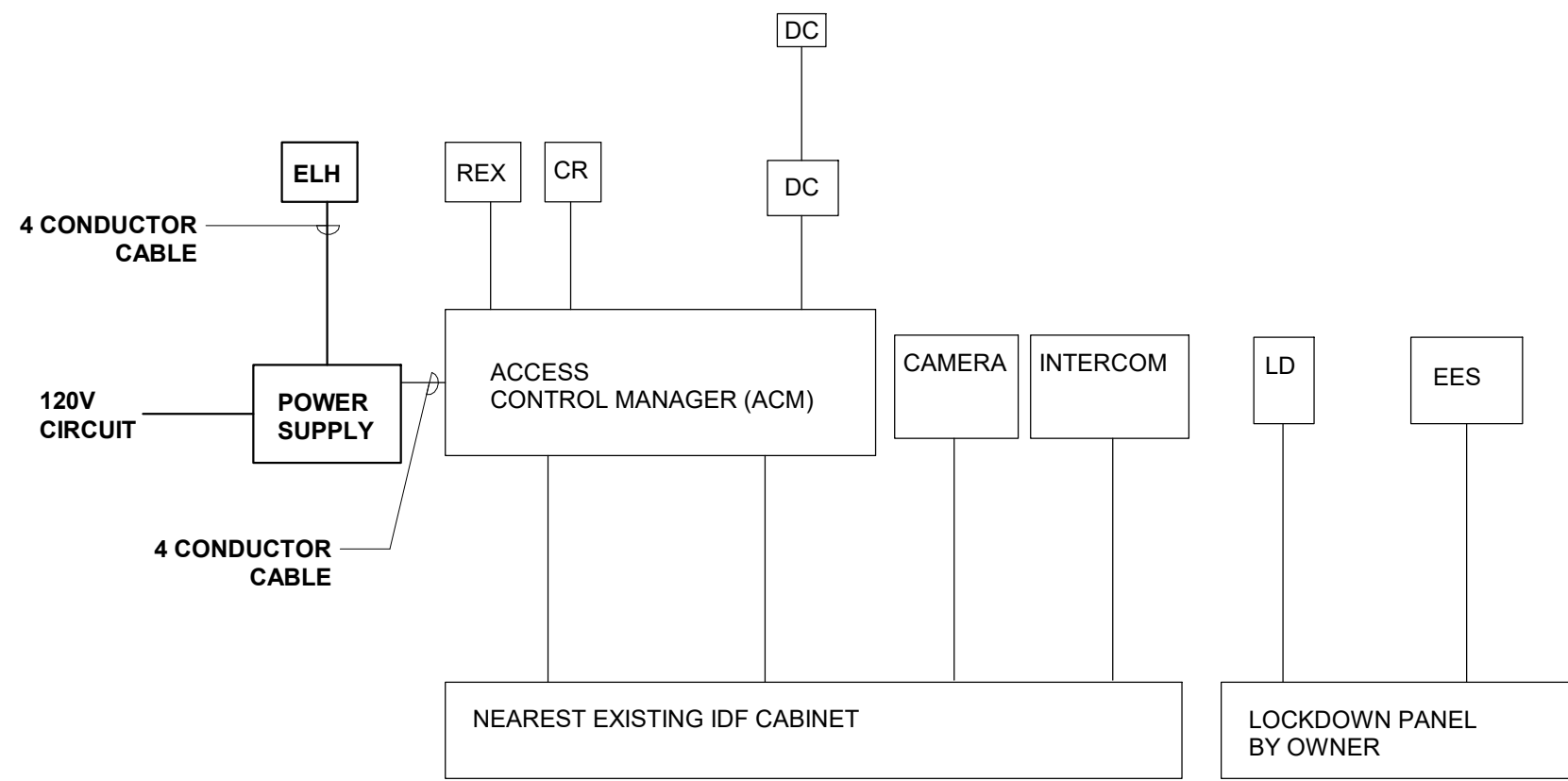
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Wallkill Central School District
Wallkill, New York

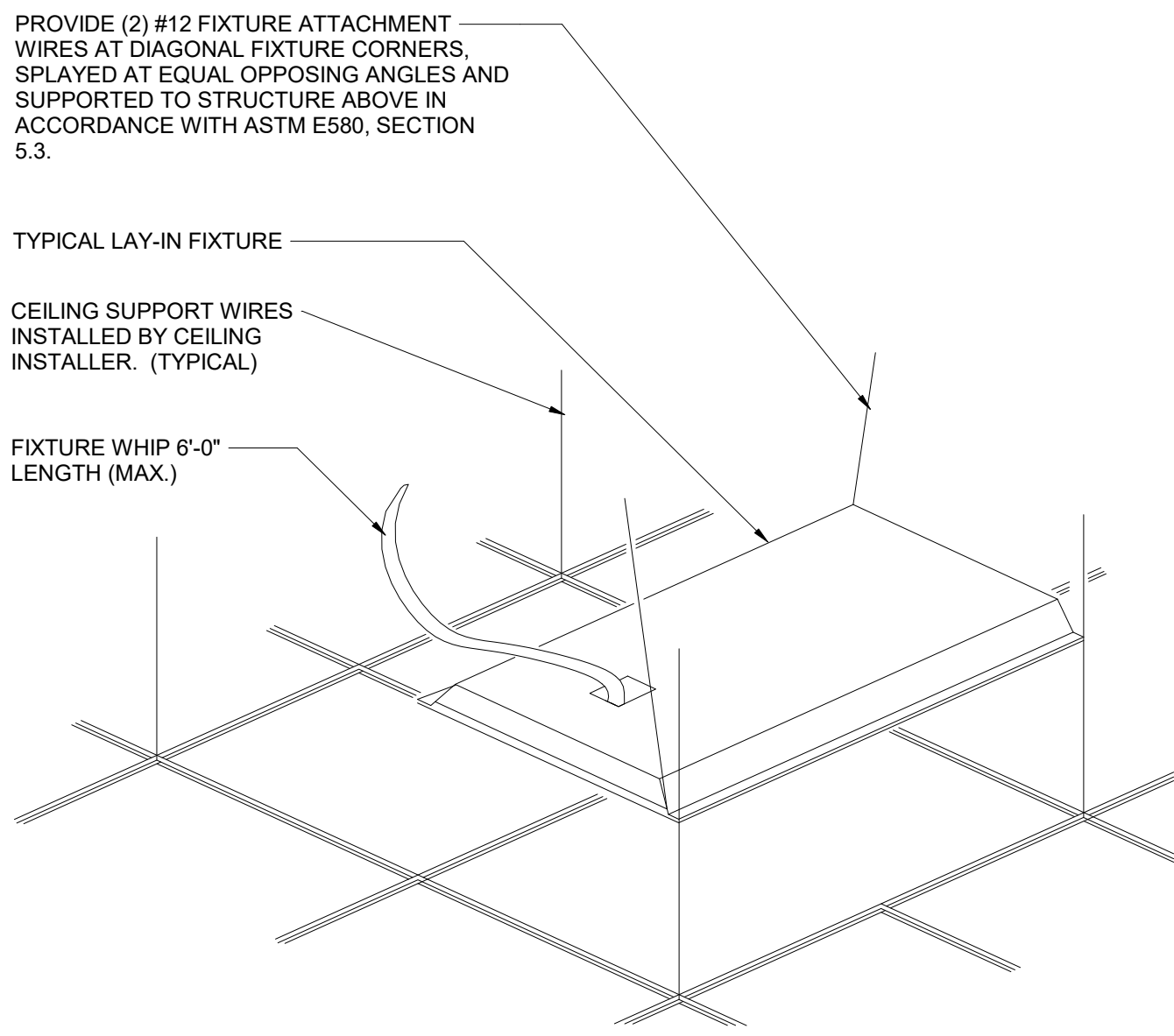
Reconstruction to:
Leptondale Elementary School

Roof Power Plan

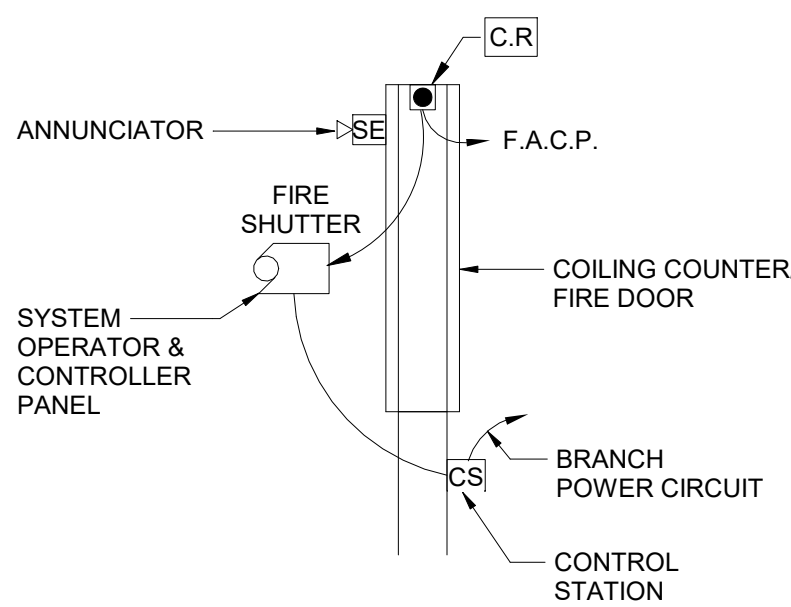
Drawn By: CR/ded	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001		EE163



- A. QUANTITY OF DEVICES VARY, REFER TO FLOOR PLAN DRAWINGS.
B. REFER TO FLOOR PLAN DRAWINGS FOR 120V CIRCUIT PANEL LOCATION.
C. ALL DOOR CONTACTS IN AN OPENING ARE WIRED AS ONE GROUP.
D. ALL ACCESS CONTROL EQUIPMENT, CONDUITS, BACK BOXES, AND CABLES SHOWN IN GREY ARE PROVIDED BY OTHERS. ELECTRICAL CONTRACTOR TO PROVIDE POWER TO POWER SUPPLY AND FROM POWER SUPPLY TO ELH AND ACM WORK SHOWN IN BOLD.

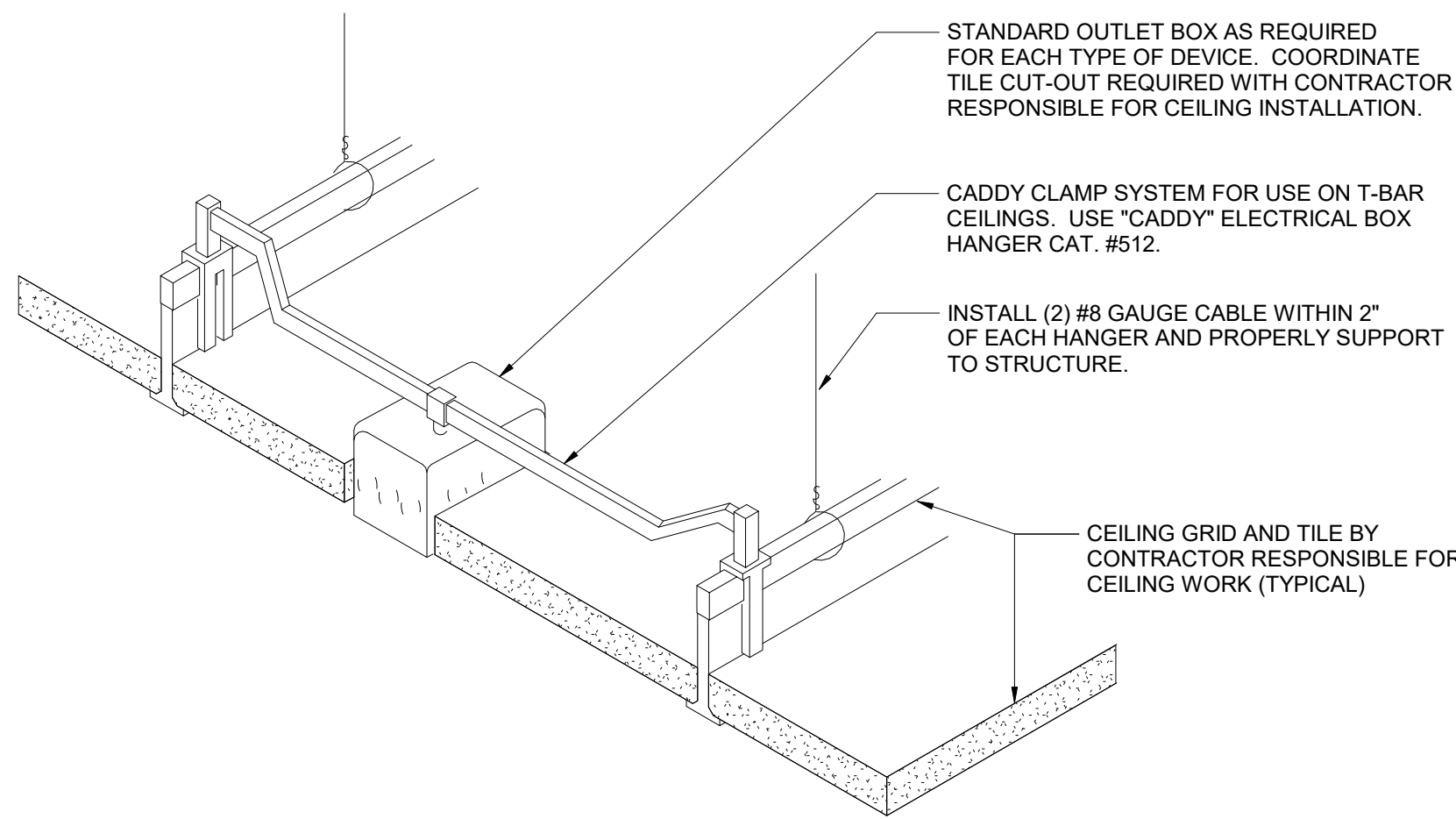


3 Typical Troffer Detail
NTS



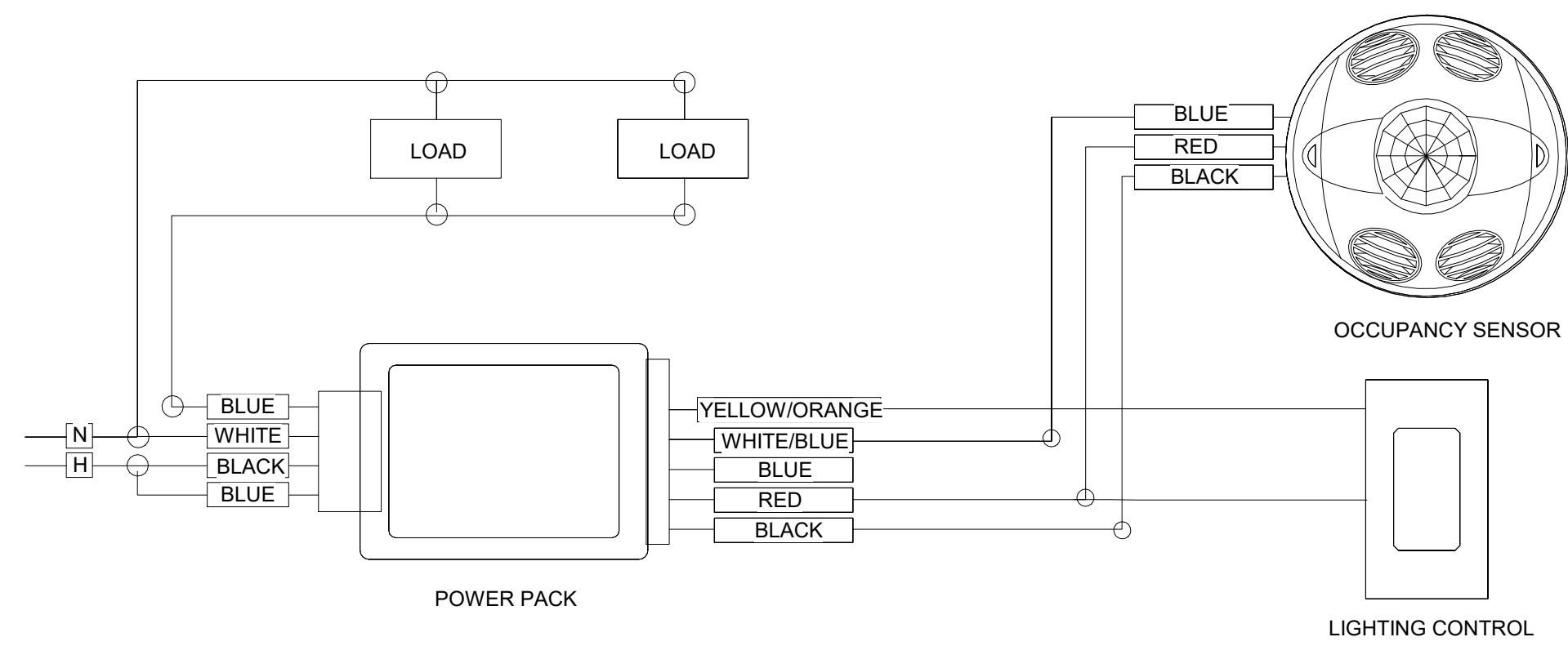
- NOTES:
1. INSTALL THE FOLLOWING EQUIPMENT, FURNISHED BY OTHERS:
- CONTROL STATION(S)
- ANNUNCIATOR(S)
2. PROVIDE A BRANCH CIRCUIT (INDICATED ON PLAN) TO SYSTEM OPERATOR VIA THE CONTROL STATION.
3. PROVIDE A 24 VDC CONNECTION FROM THE F.A.C.P. TO THE RELEASE DEVICE(S).
4. PROPERLY PROGRAM F.A.C.P. TO SIGNAL RELEASE DEVICE TO OPERATE WHEN A FIRE DETECTION APPLIANCE IN THE ADJOINING SPACES SERVED BY ROLLING FIRE DOOR(S) ARE INITIATED.
5. REFER TO PANEL SCHEDULES FOR FURTHER INFORMATION.

6 Fire Shutter Detail
1/2" = 1'-0"



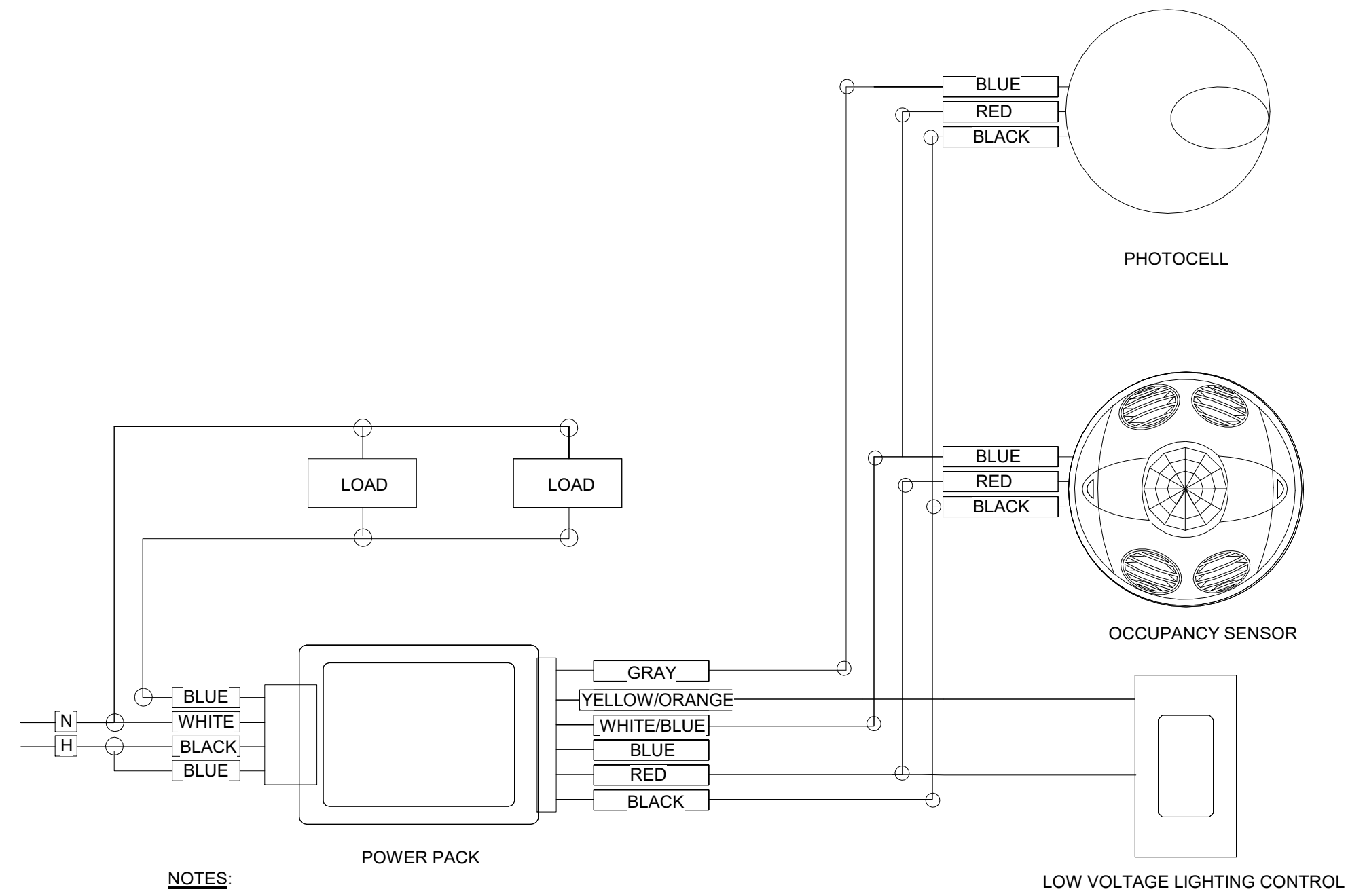
- DETAIL NOTES:
A. IN AREAS RECEIVING NEW CEILINGS ALL CEILING MOUNTED ITEMS (DETECTORS, SPEAKERS, ETC) ARE TO BE CENTERED WITHIN THE PATTERN OF THE CEILING PANEL. A 2'X4' PANEL SCORED TO A 2'X2' PATTERN SHALL HAVE ITEMS CENTERED IN THE 2'X2' PORTION.
B. PROVIDE ADDITIONAL SUPPORT FOR EXIT SIGNS, WHERE REQUIRED.

4 Ceiling Mounted Device Detail
NTS



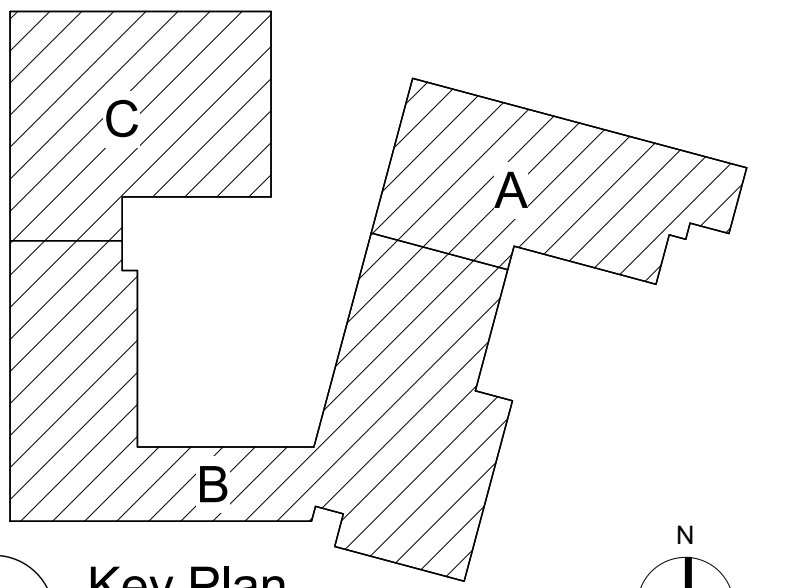
- NOTES:
A. PAINT ALL SURFACE RACEWAY AND BOXES TO MATCH EXISTING SURFACES. (WHERE APPLICABLE).
B. PROVIDE RELAYS WHERE TWO OR MORE CIRCUITS FEED LIGHTING IN SAME ROOM.
C. ADJUST SENSITIVITY OF EACH OCCUPANCY SENSOR TO DETECT HUMAN MOVEMENT BUT NOT HVAC EQUIPMENT. ADJUST TIME DELAY FOR OPTIMUM PERFORMANCE. APPLY MASKING SEGMENTS TO DETECTION HEAD WHERE REQUIRED.
D. POWER PACK AND THE LOAD SWITCHED BY THE POWER PACK MUST BE FED FROM THE SAME PHASE.
E. REFER TO LIGHTING PLANS FOR LIGHTING SEQUENCES

1 Occupancy Sensor Wiring Diagram
NTS



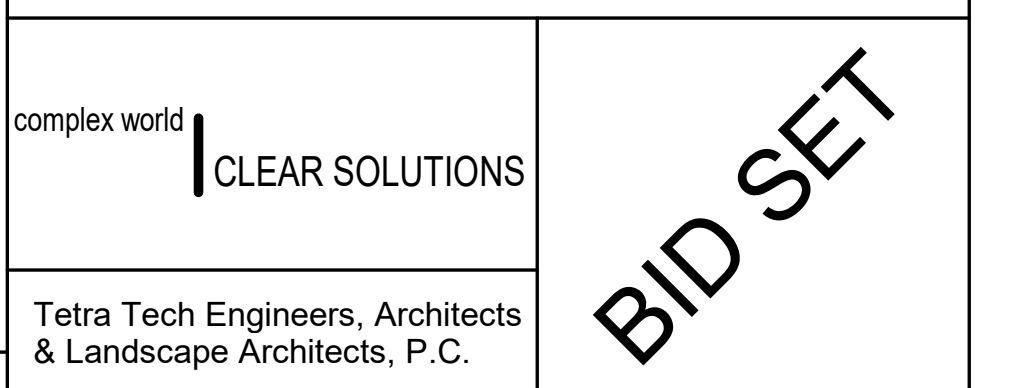
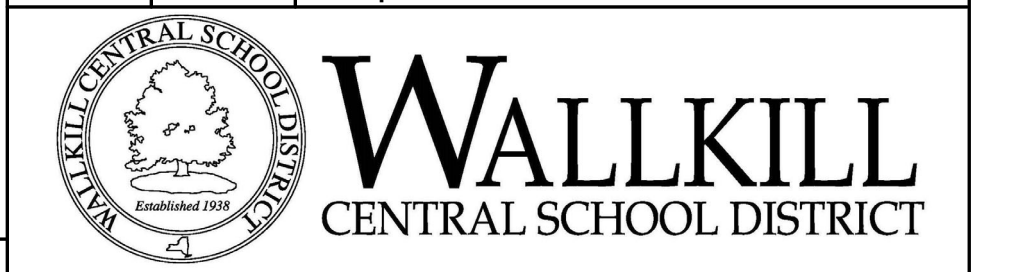
- NOTES:
A. PAINT ALL SURFACE RACEWAY AND BOXES TO MATCH EXISTING SURFACES. (WHERE APPLICABLE).
B. PROVIDE RELAYS WHERE TWO OR MORE CIRCUITS FEED LIGHTING IN SAME ROOM.
C. ADJUST SENSITIVITY OF EACH OCCUPANCY SENSOR TO DETECT HUMAN MOVEMENT BUT NOT HVAC EQUIPMENT. ADJUST TIME DELAY FOR OPTIMUM PERFORMANCE. APPLY MASKING SEGMENTS TO DETECTION HEAD WHERE REQUIRED.
D. POWER PACK AND THE LOAD SWITCHED BY THE POWER PACK MUST BE FED FROM THE SAME PHASE.
E. REFER TO LIGHTING PLANS FOR LIGHTING SEQUENCES

2 Daylight Responsive Controls Wiring Diagram
NTS



S.E.D. Control No. 62-18-01-06-0-001-019

Rev. No.:	Date:	Description:



Wallkill Central School District
Wallkill, New York

Reconstruction to:
Leptondale Elementary School

Details and Diagrams

Drawn By: CR	Date: 11/4/2022	Drawing Number: EE500
Project No.: 17597-22001		

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LUMINAIRE SCHEDULE							
TYPE	SYMBOL	DESCRIPTION	LAMPS			MANUFACTURERS (OR EQUAL)	
			WATTAGE	LUMENS	TYPE	NAME	MODEL OR SERIES
1 EM		2' x 2' FLAT PANEL (RECESSED IN GRID) - WITH INTEGRAL BATTERY	16	2000	LED	SIGNIFY (DAY-BRITE)	2FPZ20L835-2-DS-UNV-DIM
2		2' x 2' FLAT PANEL (RECESSED IN GRID)	29	3800	LED	SIGNIFY (DAY-BRITE)	2FPZ38L835-2-DS-UNV-DIM
2EM		2' x 2' FLAT PANEL (RECESSED IN GRID) - WITH INTEGRAL BATTERY	29	3800	LED	SIGNIFY (DAY-BRITE)	2FPZ38L835-2-DS-UNV-DIM
3		2' x 2' FLAT PANEL (RECESSED IN GRID)	36	4500	LED	SIGNIFY (DAY-BRITE)	2FPZ45L835-2-DS-UNV-DIM
3EM		2' x 2' FLAT PANEL (RECESSED IN GRID) - WITH INTEGRAL BATTERY	36	4500	LED	SIGNIFY (DAY-BRITE)	2FPZ45L835-2-DS-UNV-DIM
4		4\" data-bbox="376 404 386 414"/>	8.8	868	LED	SIGNIFY (LEDALITE)	L4R10935VB / L4RDW
5		2' x 2' FOOD PROCESSING LUMINAIRE (RECESSED IN GRID)	45	4500	LED	KENALL LIGHTING	45LD-35K8-DIM1-DV-5F-4H
5EM		2' x 2' FOOD PROCESSING LUMINAIRE (RECESSED IN GRID) - WITH INTEGRAL BATTERY	45	4500	LED	KENALL LIGHTING	45LD-35K8-DIM1-DV-5F-4H
6		1' x 4' FLAT PANEL (SURFACE MOUNT)	30	3800	LED	SIGNIFY (DAY-BRITE)	1FPZ38L835-4-UNV-DIM
20		EXIT SIGN (DOUBLE FACE) CEILING MOUNT SEE PLANS FOR DIRECTIONAL INDICATORS	2.5		LED	SIGNIFY (CHORIDE)	ER46L-2-W-R
* MANUFACTURER AND MODEL NUMBER ARE PROVIDED TO SHOW BASIS OF DESIGN ONLY.							

S.E.D. Control No. 62-18-01-06-0-001-019

Rev. No.:	Date:	Description:
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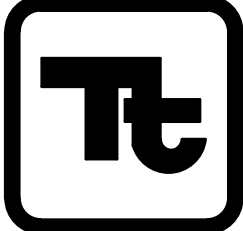
WALLKILL
CENTRAL SCHOOL DISTRICT

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CLEAR SOLUTIONS

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

BID SET



TETRA TECH
ARCHITECTS & ENGINEERS

Wallkill Central School District
Wallkill, New York

Reconstruction to:
Leptondale Elementary School

Schedules

Drawn By: CR	Date: 11/4/2022	Drawing Number:
Project No.: 17597-22001	EE600	

