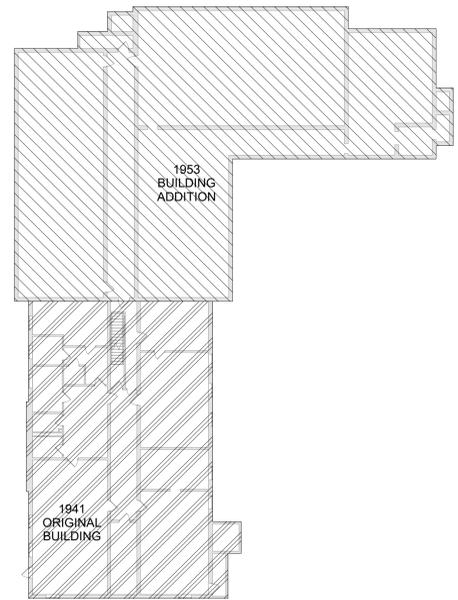


2 First Floor Vintage Key Plan
3/8" = 1'-0"



1 Basement Floor Vintage Key Plan
3/8" = 1'-0"

Code Compliance Review

PROJECT LOCATION:
1270 NY ROUTE 32, WALKKILL, NY 12568
BOUNDED BY BONA VENTURA AVENUE TO THE SOUTH, LAVOLETTA STREET TO THE NORTH, AND 3RD STREET TO THE WEST.

PROJECT DESCRIPTION:
THIS PROJECT INCLUDES THE REPLACEMENT OF WINDOWS IN PORTIONS OF THE 1941 ORIGINAL BUILDING AND 1953 BUILDING ADDITION. MISC LOCATIONS OF EXTERIOR BRICK REPOINTING IS ALSO INCLUDED.

WORK GENERALLY CONSISTS OF THE FOLLOWING:
ALTERATIONS - LEVEL 1
• WINDOW REPLACEMENT
• BRICK REPOINTING AND CLEANING

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: PLATTEKILL ELEMENTARY SCHOOL
1270 NY ROUTE 32
PLATTEKILL, NY 12568

DESCRIPTION: SINGLE STORY MASONRY AND REINFORCED CONCRETE BUILDING WITH PARTIAL BASEMENT.

YEAR BUILT: 1941
ADDITIONS: 1953, 1958, 1973, 1989 / 1990, 1991, 2001

BUILDING AREA: BASEMENT 5,193 SQFT
1ST FLOOR 61,147 SQFT
TOTAL GROSS AREA= 66,340 SQFT

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

WORK AREA:	LOCATION	AREA	% OF TOTAL
1ST FLOOR	N/A	N/A	N/A

PATH OF CODE COMPLIANCE:
2018 IBC 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)

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).

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.

Structural Loads:

A. ROOF LIVE LOADS PER BCNYS 1607.1.3 MINIMUM ROOF LIVE LOAD	20 PSF
B. RAIN LOADS PER BCNYS 1611 RAIN INTENSITY, I	2.75 IN/HR
RAIN SURCHARGE LOAD HAS BEEN APPLIED TO AREAS WHERE PONDING OCCURS IN ACCORDANCE WITH BCNYS 1611.1.	
C. SNOW LOADS PER BCNYS 1608 GROUND SNOW, P _g (FIGURE 1608.2)	40 PSF
FLAT ROOF SNOW LOAD, P _f (ASCE 7)	30.8 PSF
SNOW EXPOSURE FACTOR, C _e	1.0
THERMAL FACTOR, C _t	1.0
SLOPE FACTOR, C _s	1.0
SNOW LOAD IMPORTANCE FACTOR, I _s	1.1
DRIFT SURCHARGE, P _d	
DRIFT A	53.2 PSF
DRIFT B	20.8 PSF
DRIFT C	61.9 PSF
DRIFT D	60.4 PSF
DRIFT WIDTH, w	
DRIFT A	11.5 FT
DRIFT B	6.05 FT
DRIFT C	12.9 FT
DRIFT D	15.9 FT
ADDITIONAL SNOW LOADS HAVE BEEN APPLIED TO AREAS WHERE DRIFTING OCCURS IN ACCORDANCE WITH BCNYS 1608.	
D. WIND LOAD DESIGN CRITERIA PER BCNYS 1609 BASIC DESIGN WIND SPEED (3 SECOND GUST), V	120 MPH
ALLOWABLE STRESS DESIGN WIND SPEED, V _{all}	93 MPH
RISK CATEGORY	III
EXPOSURE CATEGORY	C
INTERNAL PRESSURE COEFFICIENT, GCP	+/- 0.18
E. SEISMIC DESIGN CRITERIA PER BCNYS 1613 RISK CATEGORY	III
SEISMIC IMPORTANCE FACTOR, I _s	1.25
MAPPED SPECTRAL RESPONSE ACCELERATION AT SHORT PERIODS, S _s	20.1 %g
AT 1 SECOND PERIODS, S ₁	5.4 %g
SITE CLASS	D (*ASSUMED)
DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIODS, S _{ss}	21.4 %g
AT 1 SECOND PERIODS, S _{1s}	8.7 %g
SEISMIC DESIGN CATEGORY	B
F. SPECIAL LOADS PER BCNYS 1603.1.8 MECHANICAL EQUIPMENT DEAD LOADS	
RTU-D-2	6755 LB
RCU-D-2	1872 LB
MUA-D-1	2180 LB
RTU-D-1	3335 LB

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.

Symbol	Description
(RW)	RESCUE WINDOW
[Diagonal Lines]	1941 ORIGINAL BUILDING
[Cross-hatch]	1953 BUILDING ADDITION
[Grid-hatch]	1958 BUILDING ADDITION
[Vertical Lines]	1959 BUILDING ADDITION
[Horizontal Lines]	1973 BUILDING ADDITION
[Dotted]	1989/1990 BUILDING ADDITION
[Stippled]	1991 BUILDING ADDITION
[White]	2001 BUILDING ADDITION

S.E.D. Control No. 62-18-01-06-0-005-107

Rev. No.: Date: Description:



complex world CLEAR SOLUTIONS
Tetra Tech Engineers, Architects & Landscape Architects, P.C.



Walkkill Central School District
Walkill, New York

Reconstruction to:
Plattekill Elementary School

Code Compliance Review

Drawn By: TS	Date: 06/30/2023	Drawing Number:
Project No.:	17597-22002	
		DG350