

APPLICABLE CODE:

THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE (THE "UNIFORM CODE"); CONSTRUCTION SHALL CONFORM TO THE CURRENT EDITIONS OF THE 2018 INTERNATIONAL BUILDING CODE (IBC), THE 2020 NEW YORK STATE CODE SUPPLEMENT, THE 2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC), THE 2020 SUPPLEMENT TO THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, AS WELL AS ALL OTHER CURRENT LOCAL, STATE, AND FEDERAL CODES AND REGULATIONS APPLICABLE TO THIS PROJECT. CONTRACTOR SHALL CONSTRUCT THE PROJECT IN ACCORDANCE WITH THE APPLICABLE CODES.

BUILDING DATE & CODE

OCCUPANCY CLASSIFICATION: (CHAPTERS 3 & 5)
 SINGLE MIXED NON-SEPARATED COMBINATION
 IF SEPARATED, FIRE RESISTANCE RATING OF FIRE BARRIER (TABLE 508.4): HR
 OCCUPANCY CLASSIFICATION(S): U
 USES: HIGHWAY VEHICLE & MISCELLANEOUS STORAGE

CONSTRUCTION CLASSIFICATION (CHAPTER 6): IIB

AUTOMATIC SPRINKLER SYSTEM PROVIDED: YES NO
 NFPA STANDARD: 13 13R

HEIGHT & AREA - ACTUAL (CHAPTER 5)

BUILDING HEIGHT	HEIGHT IN FEET	HEIGHT IN STORIES
	28' - 3"	1
BUILDING AREA SUMMARY	BUILDING AREA	
FIRST	11,644 SF	
TOTAL (NOT INCLUDING BASEMENT)	11,644 SF	

HEIGHT & AREA - ALLOWABLE (CHAPTER 5)
 AREA PER TABLE 504.3 & 506.2

OCCUPANCY CLASSIFICATION	TABULAR AREA	TABULAR HEIGHT	
		FEET	STORIES
U	8,500 SF	55 FT	2

INCREASE DUE TO FRONTAGE ALLOWED, THEREFORE ALLOWABLE AREA INCREASED TO 14,875 SF

FIRE RESISTANCE OF BUILDING ELEMENTS:
 BASED ON CONSTRUCTION TYPE IIB

	REQUIRED	PROVIDED	SECTION
STRUCTURAL FRAME	0	0	TABLE 601
BEARING WALLS (EXTERIOR)	NA	NA	TABLE 601
BEARING WALLS (INTERIOR)	NA	NA	TABLE 601
NON-BEARING WALLS (EXTERIOR)	0	0	TABLE 601
NON-BEARING WALLS (INTERIOR)	0	0	TABLE 601
FLOOR CONSTRUCTION	0	0	TABLE 601
ROOF CONSTRUCTION	0	0	TABLE 601
VERTICAL EXIT ENCLOSURE	NA	NA	713.4
SHAFT ENCLOSURE	NA	NA	713.4
CORRIDORS	NA	NA	TABLE 1020.1

INTERIOR FINISHES:
 BASED ON MOST RESTRICTIVE
 USE GROUP B

	REQUIRED	PROVIDED	SECTION
WALLS & CEILING: EXITS	NA	NA	TABLE 803.13
WALLS & CEILING: CORRIDORS	NA	NA	TABLE 803.13
WALLS & CEILING: ROOMS	NA	NA	TABLE 803.13
FLOORS	NA	NA	TABLE 803.13

CODE:

- ALL WORK SHALL CONFORM TO FEDERAL, STATE AND LOCAL CODES AS INTERPRETED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
- DO NOT INSTALL FIRE EXTINGUISHERS/CABINETS/BRACKETS UNTIL ALL LOCATIONS HAVE BEEN REVIEWED AND APPROVED BY THE CODE AUTHORITY HAVING JURISDICTION. CONTRACTOR SHALL COORDINATE WITH FIRE MARSHAL PRIOR TO INSTALLATION.
- THE ARCHITECT'S CERTIFICATION ON THIS PROJECT IS ONLY FOR THE CONSTRUCTION WORK SHOWN TO BE DONE. IT DOES NOT CONSTITUTE APPROVAL OF ANY PRE-EXISTING CONDITIONS OR REVIEW OF THOSE CONDITIONS FOR CODE COMPLIANCE.
- THE ARCHITECT'S CERTIFICATION ON THIS PROJECT IS FOR COMPLIANCE WITH THE BUILDING CODE OF NEW YORK STATE AND ITS VARIOUS REFERENCE STANDARDS, FOR PURPOSES OF OBTAINING A BUILDING PERMIT THROUGH THE AUTHORITY HAVING JURISDICTION AND TO CONVEY CONSTRUCTION REQUIREMENTS FOR THE PROJECT. CERTIFICATION DOES NOT GUARANTEE COMPLIANCE WITH LOCAL CODES THAT MAY APPLY.
- GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, AIA DOCUMENT A201-2007 AND ANY OTHER DOCUMENTS AS PROVIDED BY THE OWNER SHALL BE INCORPORATED INTO THE OWNER-CONTRACTOR CONTRACT BY REFERENCE.
- CONSTRUCTION SHALL CONFORM TO CURRENT EDITIONS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE (THE "UNIFORM CODE"); CONSTRUCTION SHALL CONFORM TO CURRENT EDITIONS OF THE 2018 INTERNATIONAL BUILDING CODE (IBC), THE 2020 NEW YORK STATE UNIFORM CODE SUPPLEMENT, THE 2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC), THE 2020 SUPPLEMENT TO THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, 2010 AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS FOR ACCESSIBLE DESIGN (28 CFR PART 36, SUBPART D), 2009 ADA ACCESSIBILITY AND USABLE BUILDINGS AND FACILITIES (ICC/ANSI A117.1-2009), AS WELL AS WITH ALL OTHER CURRENT LOCAL, STATE AND FEDERAL CODES AND REGULATIONS APPLICABLE TO THIS PROJECT. CONTRACTOR SHALL CONSTRUCT THE PROJECT IN ACCORDANCE WITH THE APPLICABLE CODES RELEVANT TO THIS PROJECT.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND PAYMENT OF ALL PERMIT AND APPLICATION FEES FOR THE CONSTRUCTION OF THE PROJECT.
- TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS ARE IN CONFORMANCE WITH THE 2020 SUPPLEMENT OF THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE.
- THE FOLLOWING IS AN EXCERPT FROM THE NEW YORK EDUCATION LAW ARTICLE 145 SECTION 7209 AND APPLIES TO THESE DRAWINGS: "IT IS A VIOLATION OF THIS LAW FOR ANY PERSON UNLESS HE IS ACTING UNDER THE DIRECT SUPERVISION OF A LICENSED ARCHITECT TO ALTER AN ITEM IN ANY WAY." IF ANY ITEM BEARING THE SEAL OF AN ARCHITECT IS ALTERED, THE ALTERING ARCHITECT SHALL AFFIX HIS SEAL AND NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND DATE OF SUCH ALTERATION AND SPECIFIC DESCRIPTION OF THE ALTERATION.

FIRE PROTECTION SYSTEMS:
 SIZE AND LOCATION OF FIRE AREAS INDICATED ON CODE COMPLIANCE DRAWING(S) (CHAPTER 9)

FIRE PROTECTION SYSTEM	REQUIRED	PROVIDED	SECTION
AUTOMATIC SPRINKLER	-	-	903
ALTERNATIVE AUTO FIRE EXIT	-	-	904
STANDPIPE	-	-	905
PORTABLE FIRE EXTINGUISHER	NO	YES	906
FIRE ALARM & DETECTION	-	-	907
EMERGENCY ALARM	-	-	908
SMOKE CONTROL SYSTEM	-	-	909
SMOKE & HEAT VENTS	-	-	910
FIRE COMMAND CENTER	-	-	911

MEANS OF EGRESS:
 DESIGN OCCUPANT LOAD SUMMARY (CHAPTER 10)

FLOOR LEVEL	DESIGN OCCUPANT LOAD
FIRST	58
TOTAL	58

NOTE: DESIGN OCCUPANT LOAD FOR MEANS OF EGRESS SIZING.

MEANS OF EGRESS ELEMENT

MEANS OF EGRESS ELEMENT	REQUIRED	PROVIDED	SECTION
NUMBER OF EXITS	2	6	TABLE 1006.2.1
EXIT ACCESS TRAVEL DISTANCE	300	75	TABLE 1017.2
DEAD-END LIMIT	20	-	1020.4
COMMON PATH OF TRAVEL LIMIT	75	75	1006.2.1

ELEMENT	REQUIRED	PROVIDED	SECTION
DOORS - FIRST FLOOR	2.8	36	1005.3.2
STAIRS	NA	NA	1005.3.1
CORRIDORS - FIRST FLOOR	44" MIN	-	1020.2

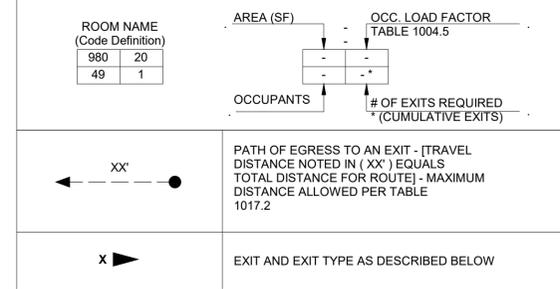
PLUMBING FIXTURE REQUIREMENTS: (CHAPTER 29)

OCCUPANCY CLASSIFICATION	OCCUPANT LOAD	WATER CLOSETS				URINALS		D.F.		LAVATORIES			
		REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED
U	58	0	0	0	0	0	0	0	0	0	0	0	0

SEPARATE FACILITIES FOR EACH GENDER REQUIRED? YES NO 2902.2
 SEPARATE EMPLOYEE FACILITIES REQUIRED? YES NO 2902.2
 LOCATION OF EMPLOYEE FACILITIES COMPLIES? YES NO 2902.2
 LOCATION OF PUBLIC FACILITIES COMPLIES? YES NO 2902.2
 OTHER PLUMBING FIXTURE REQUIREMENTS? Lavatories will be provided in new highway garage facility

ENERGY CODE REQUIREMENTS

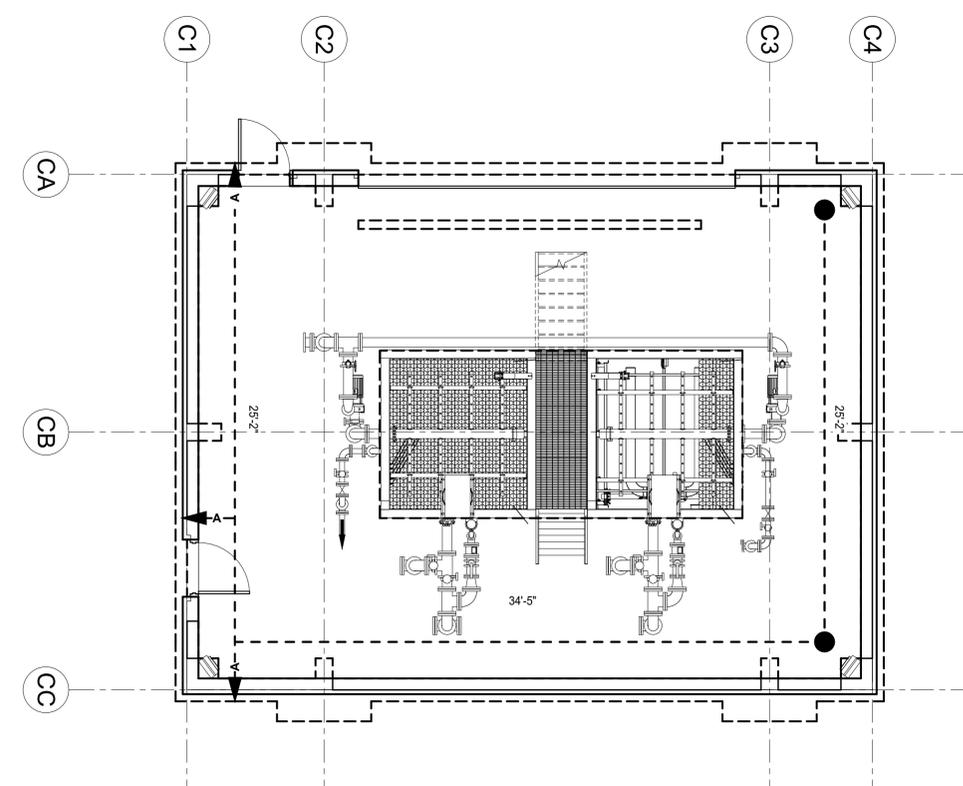
- THE NEW STRUCTURE COMPLIES WITH THE 2020 NYS BUILDING CODE REQUIREMENTS, PRESCRIPTIVE METHOD
- CLIMATE ZONE (IECCNYS TABLE C301.1): 5A - SARATOGA COUNTY
- ROOF (IECCNYS C402.1.4): METAL BUILDING
 • REQUIRED: U ≤ 0.035
 • PROVIDED: U = 0.022
 • NOTE: PRE-ENGINEERED BUILDING MANUFACTURER IS RESPONSIBLE FOR PROVIDING ENERGY CODE REQUIREMENTS IN WALL AND ROOF ASSEMBLY AS STIPULATED IN THE CONTRACT DOCUMENTS.
- WALLS, ABOVE GRADE (IECCNYS C402.1.4): METAL BUILDING
 • REQUIRED: U ≤ 0.052
 • PROVIDED: U = 0.039
 • NOTE: PRE-ENGINEERED BUILDING MANUFACTURER IS RESPONSIBLE FOR PROVIDING ENERGY CODE REQUIREMENTS IN WALL AND ROOF ASSEMBLY AS STIPULATED IN THE CONTRACT DOCUMENTS.
- WALLS, BELOW GRADE (IECCNYS C402.1.3): CONCRETE
 • REQUIRED: R ≥ 7.5 CI
 • PROVIDED: R = 10 CI
- FLOORS (IECCNYS C402.1.3): UNHEATED SLAB-ON-GRADE
 • REQUIRED: R ≥ 10
 • PROVIDED: R = 10
- DOORS (IECCNYS C402.1.3): OPAQUE NON-SWINGING DOORS
 • REQUIRED: R ≥ 4.75
 • PROVIDED: R = NA
- DOORS (IECCNYS C402.1.4): SWINGING DOORS
 • REQUIRED: U ≤ 0.37
 • PROVIDED: U = NA
- FENESTRATION REQUIREMENTS (IECCNYS C402.4):
 A. FIXED
 • REQUIRED: U ≤ 0.38
 • PROVIDED: U = NA
 B. ENTRANCE DOOR
 • REQUIRED: U ≤ 0.77
 • PROVIDED: U = 0.43
 C. OPERABLES
 • REQUIRED: U ≤ 0.45
 • PROVIDED: U = NA
- MAXIMUM FENESTRATION ALLOWABLE (IECCNYS C402.4.1):
 • REQUIRED: 0.30
 • PROVIDED: NA
 • REQUIRED TOTAL: 2125 SF
 • PROVIDED TOTAL: 0 SF
- MINIMUM SKYLIGHT FENESTRATION (IECCNYS C402.4.2):
 • NOT APPLICABLE
- WRITTEN STATEMENT:
 • TO THE BEST OF OUR KNOWLEDGE, BELIEF, AND PROFESSIONAL JUDGEMENT, THE DESIGN IS IN COMPLIANCE WITH THE ENERGY CODE. THIS STATEMENT IS BEING PROVIDED AS REQUIRED OF THE 2020 NYS ENERGY CODE SUPPLEMENT, SECTION C103.2.2.



EXIT REQUIREMENTS BY TYPE

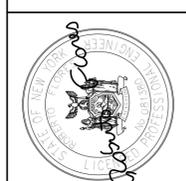
EXIT	OCCUP. LOAD	REQUIRED WIDTH (INCHES)*	PROVIDED WIDTH (INCHES)	NOTES
A	9	1.8	36	MIN WIDTH PER 1010.1.1 = 32 INCHES
B	14	2.8	36	MIN WIDTH PER 1010.1.1 = 32 INCHES

* REQUIRED WIDTH CALCULATED 1005.3.2: 0.2 INCHES PER OCCUPANT



DATE: 02.2024
 DRAWN BY: IB
 SCALE: As Indicated
 REVIEWED BY: AM
 PROJECT NO.: 22-2496
 FILE:

DELAWARE ENGINEERING, P.C.
 CIVIL AND ENVIRONMENTAL ENGINEERING
 28 MADISON AVENUE EXTENSION, ALBANY, NY 12203 - 518.462.1290
 55 SOUTH MAIN ST., ONEONTA, NY 13820 - 507.432.8073
 100 WEST 14TH ST., NEW YORK, NY 10011 - 212.690.5486
 548 BROADWAY, MONTICELLO, NY 12761 - 845.791.7177
 223 MAIN ST., GOSHEN, NY 10824 - 845.615.9232



REVISIONS

NO.	DATE	DESCRIPTION

RHINEBECK WTP IMPROVEMENTS VILLAGE OF RHINEBECK DUTCHESS COUNTY, NY

CODE COMPLIANCE & LIFE SAFETY PLANS

SHEET: **A001**

WARNING - IT IS A VIOLATION OF NEW YORK EDUCATION LAW SECTION 7209.2, FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATION LAW, SECTION 7209.2.