

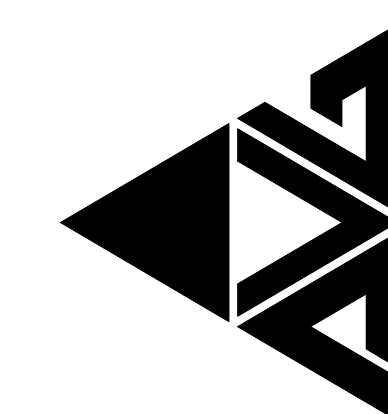
CODE INFORMATION - CONSTRUCTION DRAWINGS

MASSILLON, BUILDING DEPARTMENT
MASSILLON CITY SCHOOL DISTRICT
250 29TH STREET NW MASSILLON, OH 44646
5A
NO
NEW SCHOOL BUILDING

TOTAL: 91,206 SQ. FT.

PROJECT NO
2203-1

ARCHITECTURAL VISION GROUP, LTD
ARCHITECTS • PLANNERS
23850 SPERRY DRIVE CLEVELAND, OHIO 44145



MASSILLON CITY SCHOOL
MASSILLON WEST ELEMENTARY
PK-3
250 29TH STREET NW, MASSILLON, OHIO 44646

[illegible]

PROJECT NO	2203-1
DRAWN BY	
CHECKED BY	
DATE	

CODE INFORMATION

SCALE:

SHEET NO

G-011

CODE REVIEW: 2017 OHIO BUILDING CODE INCLUDING CURRENT REFERENCED CODES									
CHAPTER		CHAPTER		CHAPTER		CHAPTER			
CODES OF JURISDICTION	2017 OHIO BUILDING CODE 2017 OHIO MECHANICAL CODE 2017 OHIO PLUMBING CODE 2017 NATIONAL ELECTRICAL CODE NFPA 70-17 FIRE ALARM NFPA 72-16 2012 INTERNATIONAL ENERGY CONSERVATION CODE OR ASHRAE 90.1-2010 STANDARDS FOR ACCESSIBLE DESIGN ICC A117.1-09 INTERNATIONAL FUEL GAS CODE IFGC-15 SPRINKLERS NFPA13-16	CHAPTER 6 TYPES OF CONSTRUCTION	ORC 602.2 TYPES I AND II, TYPE I AND II CONSTRUCTION ARE THOSE TYPES OF CONSTRUCTION IN WHICH THE BUILDING ELEMENTS LISTED IN TABLE 601 ARE OF NON-COMBUSTIBLE MATERIALS, EXCEPT AS LISTED IN SECTION 603 AND ELSEWHERE IN THIS CODE. ORC TABLE 601 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS, TYPE IIB. PRIMARY STRUCTURAL FRAME: 0 HOURS BEARING WALLS, INTERIOR AND EXTERIOR: 0 HOURS NON-BEARING WALLS AND PARTITIONS, EXTERIOR: SEE TABLE 602. PER TABLE 602, TYPE IIB AND USE GROUP E GREATER THAN 10 FEET 0 HOURS. NON-BEARING WALLS AND PARTITIONS, INTERIOR: 0 HOURS. FLOOR CONSTRUCTION AND SECONDARY MEMBERS: 0 HOURS. ROOF CONSTRUCTION AND SECONDARY MEMBERS: 0 HOURS. ORC 603. COMBUSTIBLE MATERIALS IN TYPES I AND II CONSTRUCTION, MATERIALS SHALL COMPLY WITH ORC 603.1.	CHAPTER 10 MEANS OF EGRESS	ORC TABLE 1004.1 DESIGN OCCUPANT LOAD DESIGN OCCUPANT LOADS ARE INDICATED ON THE CODE REVIEW PLAN USING THE FOLLOWING ALLOWANCES PER OCCUPANT UNDER ORC TABLE 1004.1.2: STORAGE, MECHANICAL, EQUIPMENT ROOMS: 1 PERSON PER 300 SF GROSS ASSEMBLY WITH FIXED SEATS (GYMNASIUM); BLEACHERS 1 PERSON PER 18" OF SEAT LENGTH PLUS PARTICIPANTS. ASSEMBLY WITHOUT FIXED SEATS (CAFETERIA); TABLES AND CHAIRS 1 PERSON PER 15 SF NET*, CHAIRS ONLY 1 PERSON PER 7 SF NET*, BUSINESS AND ADMINISTRATION AREAS: 1 PERSON PER 100 SF GROSS. CLASSROOMS: 1 PERSON PER 20 SF NET*, KITCHEN: 1 PERSON PER 200 SF GROSS, LIBRARY: 1 PERSON PER 50 SF NET*, PLATFORMS: 1 PERSON PER 15 NET*, EXERCISE: 1 PERSON PER 50 SF GROSS, LOCKER ROOMS: 1 PERSON PER 50 SF GROSS. *WHERE NET AREA IS USED, THE GROSS AREA MULTIPLIED BY .85 IS USED FOR OCCUPANT LOAD THE OCCUPANT LOAD BASED ON MAXIMUM ENROLLMENT IS 1,129 (STUDENTS AND FACULTY) TO BE USED FOR THE CALCULATION OF TOTAL OCCUPANT LOAD AND PLUMBING FIXTURES PER ORC 1004.1.2 AND ORC 2902.1 IS 1,000 STUDENTS AND FACULTY. REQUEST TO USE 1,200 AS BASIS OF OCCUPANT LOAD, THIS WILL BE THE ENROLLMENT PLUS SOME ROOM TO GROW, THE ACTUAL CALCULATED OCCUPANCY IS 2,313 PEOPLE. HE AREAS SUCH AS THE GYM AND CAFETERIA ARE ALREADY INCLUDED IN THE OCCUPANCY COUNT AND THOSE SPACES ARE USED BY STUDENTS FROM OTHER AREAS OF THE BUILDING. IF THOSE SPACES HOLD A PUBLIC EVENT IT WILL BE AFTER SCHOOL HOURS WHEN THE REST OF THE BUILDING WILL NOT BE OCCUPIED. SECTION 1005 MEANS OF EGRESS SIZING ORC 1005.3.1 STAIRWAYS 0.2 INCH PER OCCUPANT SPRINKLED WITH EMERGENCY VOICE /ALARM COMMUNICATION SYSTEM, THIS WOULD PROVIDE FOR 220 OCCUPANTS PER 44" STAIRWAY. ORC 1005.3.2 OTHER EGRESS COMPONENTS 0.15 INCH PER OCCUPANT SPRINKLED WITH EMERGENCY VOICE /ALARM COMMUNICATION SYSTEM, THIS WOULD PROVIDE FOR 240 OCCUPANTS PER 36" DOOR LEAF STAIRWAY SERVED BY A CORRIDOR AT LEAST AS WIDE AS THE DOORS SERVED. ORC 1005.7.1 DOOR ENCROACHMENT. DOORS WHEN FULLY OPENED, SHALL NOT REDUCE THE REQUIRED MEANS OF EGRESS WIDTH MORE THAN 7". DOORS IN ANY POSITION SHALL NOT REDUCE THE REQUIRED WIDTH BY MORE THAN HALF. SECTION 1006 NUMBER OF EXITS AND EXIT ACCESS DOORWAYS ORC 1006.2.1 TWO EXITS SHALL BE PROVIDED WHERE THE DESIGN OCCUPANT LOAD EXCEEDS 49 OR THE COMMON PATH OF TRAVEL EXCEEDS 75' PER TABLE 1006.2.1. ORC 1006.2.1.1, THE EXITS SHALL BE PROVIDED FOR ANY SPACE WITH AN OCCUPANT LOAD 501 TO 1,000, FOUR EXITS SHALL BE PROVIDED FOR ANY SPACE WITH AN OCCUPANT LOAD GREATER THAN 1,000. SECTION 1010 PANIC AND FIRE EXIT HARDWARE ORC 1010.1.10 DOORS SERVING ROOMS OR SPACES WITH AN OCCUPANT LOAD OF 50 OR MORE IN GROUP A OR E SHALL BE PROVIDED WITH A LATCH OR LOCK SHALL HAVE PANIC HARDWARE OR FIRE EXIT HARDWARE, MAIN EXITS OF GROUP A MAY COMPLY WITH ORC 1010.1.9.3 ITEM 2 (DISTINGUISHABLE DEVICE, POSTED SIGNAGE), ELECTRICAL EQUIPMENT WORKSPACES SHALL BE PROVIDED WITH PANIC HARDWARE OF FIRE EXIT HARDWARE PER NFPA 70. SECTION 1009 ACCESSIBLE MEANS OF EGRESS. ORC 1009.1. ACCESSIBLE SPACES SHALL BE PROVIDED WITH NOT LESS THAN ONE ACCESSIBLE MEANS OF EGRESS. WHERE MORE THAN ONE MEANS OF EGRESS ARE REQUIRED FROM ANY ACCESSIBLE SPACE, EACH ACCESSIBLE PORTION OF THE SPACE SHALL BE SERVED BY NOT LESS THAN TWO ACCESSIBLE MEANS OF EGRESS. ORC 1009.2 CONTINUITY AND COMPONENTS. EACH ACCESSIBLE MEANS OF EGRESS SHALL CONSIST OF ONE OR MORE OF THE NOTED COMPONENTS. 1. ACCESSIBLE ROUTES COMPLYING WITH SECTION 1104. ALL FIRST FLOOR MEANS OF EGRESS COMPLY WITH SECTION 1104. 2. INTERIOR EXIT STAIRWAYS COMPLYING WITH SECTIONS 1009.3 AND 1023. TWO INTERIOR EXIT STAIRWAYS COMPLY WITH 1009.3 AND 1023 AND TWO WAY COMMUNICATION IS PROVIDED AT THE ELEVATOR LANDING, THUS TWO ACCESSIBLE MEANS OF EGRESS ARE PROVIDED FOR THE SECOND FLOOR. 3. AN ELEVATOR COMPLYING WITH 1009.4. THE ELEVATOR WILL COMPLY WITH 1009.4	CHAPTER 11 ACCESSIBILITY	1101.2 BUILDING SHALL BE DESIGNED TO BE ACCESSIBLE IN ACCORDANCE WITH THE ORC AND ANSI A117.1 2009 AS AMENDED, BUILDING HAS BEEN DESIGNED TO COMPLY.		
	CHAPTER 1 ADMINISTRATION		CHAPTER 7 FIRE-RESISTANCE RATED CONSTRUCTION		CHAPTER 15 ROOF ASSEMBLY		1505 ROOF ASSEMBLY MEETS CLASS "B" RATING		
CHAPTER 3 USE AND OCCUPANCY CLASSIFICATION	ORC 106 BUILDING "A" FIRST FLOOR: 36,679 SF BUILDING "B" FIRST FLOOR: 25,522 SF TOTAL FIRST FLOOR: 62,201SF BUILDING "A" SECOND FLOOR: 29,005 SF GRAND TOTAL BUILDING: 91,206 SF DESIGN OCCUPANT LOADS ARE SHOWN ON THE CODE REVIEW PLANS, SEE STRUCTURAL DRAWINGS FOR STRUCTURAL DESIGN LOADS, SEISMIC DESIGN CATEGORY, AND SITE CLASS.	CHAPTER 8 INTERIOR FINISHES	CHAPTER 9 FIRE PROTECTION SYSTEMS	CHAPTER 10 MEANS OF EGRESS	CHAPTER 11 ACCESSIBILITY	CHAPTER 15 ROOF ASSEMBLY	CHAPTER 16, 17,18 STRUCTURAL DESIGN	CHAPTERS 16 STRUCTURAL DESIGN, CHAPTER 17 STRUCTURAL TESTS AND INSPECTIONS, AND CHAPTER 18 SOILS AND FOUNDATIONS, SEE STRUCTURAL DRAWINGS.	
	ORC 305.1 GROUP E OCCUPANCY (SEE ALSO ORC 303.1.3 A ROOM OR SPACE USED FOR ASSEMBLY PURPOSES THAT IS ASSOCIATED WITH A GROUP E OCCUPANCY IS NOT CONSIDERED A SEPARATE OCCUPANCY). ORC 311.1.1 ACCESSORY STORAGE SPACES LESS THAN 100 SF ARE CLASSIFIED AS PART OF MAIN OCCUPANCY. SEE CHAPTER 5 FOR ACCESSORY USES.								
CHAPTER 4 SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY	STAGES, PLATFORMS, A PLATFORM WILL BE CONSTRUCTED IN COMPLIANCE WITH ORC 410.	CHAPTER 9 FIRE PROTECTION SYSTEMS	CHAPTER 10 MEANS OF EGRESS	CHAPTER 11 ACCESSIBILITY	CHAPTER 15 ROOF ASSEMBLY	CHAPTER 16, 17,18 STRUCTURAL DESIGN	CHAPTER 27 ELECTRICAL	SECTION 2701.1 GENERAL - SCOPE ELECTRICAL COMPONENTS, EQUIPMENT AND SYSTEMS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH NFPA 70.	
	CHAPTER 5 GENERAL BUILDING HEIGHTS AND AREAS								
CHAPTER 5 GENERAL BUILDING HEIGHTS AND AREAS	SECTION 503 GENERAL BUILDING HEIGHT AND AREA LIMITATIONS. THE BUILDING HEIGHT AND AREA SHALL NOT EXCEED THE LIMITS SPECIFIED IN SECTIONS 504 AND 506 BASED ON THE TYPE OF CONSTRUCTION AND AS DETERMINED BY SECTION 602 AND OCCUPANCIES AS DETERMINED BY SECTION 302 EXCEPT AS MODIFIED HEREFTER. SECTION 504 BUILDING HEIGHT AND NUMBER OF STORIES FOR USE GROUP E AND TYPE IIB CONSTRUCTION, FULLY SPRINKLED: TABLE 504.3 E USE-SPRINKLED 75' ALLOWED, 33'-4" MAXIMUM PROVIDED. TABLE 504.4 USE-TYPE IIB CONSTRUCTION 3 STORIES ALLOWED, MAXIMUM 2 STORIES PROPOSED. SECTION 506 BUILDING AREA. ORC TABLE 506.2 ALLOWABLE AREA: ORC 506.2.3 SINGLE OCCUPANCY MULTI-STORY BUILDING: 43,500 SQ. FT. BUILDING "A" AREA PROVIDED: FIRST FLOOR: 36,595 SQ. FT. SECOND FLOOR: 29,236 SQ. FT. BUILDING "B" AREA PROVIDED: FIRST FLOOR: 25,748 SQ. FT.	CHAPTER 10 MEANS OF EGRESS	CHAPTER 11 ACCESSIBILITY	CHAPTER 15 ROOF ASSEMBLY	CHAPTER 16, 17,18 STRUCTURAL DESIGN	CHAPTER 27 ELECTRICAL	CHAPTER 28 MECHANICAL SYSTEMS	SECTION 2801.1 GENERAL - SCOPE MECHANICAL APPLIANCES, EQUIPMENT AND SYSTEMS SHALL BE CONSTRUCTED, INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE MECHANICAL CODE AND THE INTERNATIONAL FUEL AND GAS CODE.	
	ORC 509 INCIDENTAL USE AREAS ORC TABLE 509 FURNACE ROOMS WITH EQUIPMENT OVER 400,000 BTU, OR BOILERS OVER 15 PSI OR 10 HP; 1 HOUR OR AUTOMATIC SPRINKLER SYSTEM REQUIRED, SPRINKLER SYSTEM PROVIDED. GROUP E OCCUPANCIES LABORATORIES AND VOCATIONAL SHOPS: 1 HOUR OR AUTOMATIC SPRINKLER SYSTEM REQUIRED, AUTOMATIC SPRINKLER SYSTEM PROVIDED.								
CHAPTER 5 GENERAL BUILDING HEIGHTS AND AREAS	SECTION 503 GENERAL BUILDING HEIGHT AND AREA LIMITATIONS. THE BUILDING HEIGHT AND AREA SHALL NOT EXCEED THE LIMITS SPECIFIED IN SECTIONS 504 AND 506 BASED ON THE TYPE OF CONSTRUCTION AND AS DETERMINED BY SECTION 602 AND OCCUPANCIES AS DETERMINED BY SECTION 3								