BUILDING OFFICIAL JURISDICTION: CITY OF OAKWOOD

APPLICABLE BUILDING CODE: OHIO BUILDING CODE, 2002

PROJECT DESCRIPTION: ADDITION TO AND RENOVATION OF THE EXISTING MUNICIPAL BUILDING

30 PARK AVE. CAKWOOD, OH 45419

CHAPTER 3: USE AND OCCUPANCY

INCIDENTAL USE AREAS:

TABLE 302.1.1

ROOM OR AREA SEPARATION

BOILERS OVER 15 PSI OR 10 HP 1 HR OR AUTOMATIC FIRE-EXT. SYSTEM*

AUTOMOTIVE PARKING GARAGES 2HR; OR 1 HR AND AUTOMATIC FIRE-EXT, SYSTEM

LAUNDRY ROOMS OVER 100 SF 1 HR OR AUTOMATIC FIRE-EXT. SYSTEM*
STORAGE ROOMS OVER 100 SF 1 HR OR AUTOMATIC FIRE-EXT. SYSTEM*

*302.1.1.1

WHERE TABLE 302.1.1 PERMITS AN AUTOMATIC FIRE-EXTINGUISHING SYSTEM WITHOUT A FIRE BARRIER, THE INCIDENTAL USE AREA SHALL BE SEPARATED BY CONSTRUCTION CAPABLE OF RESISTING THE PASSAGE OF SMOKE.

CLASSIFICATION OF OCCUPANCIES SECTIONS 303 THRU 312

MIXED-USE, NONSEPARATED	NETSF	BASEMENT NET SF	1ST FLR NET SF	2ND FLR NET SF
B, BUSINESS: CIVIC ADMIN., POLICE AND FIRE STATIONS	18,786	3,786	15,000	
A-3, ASSEMBLY: COUNCIL/ COURTROOM, TRAINING ROOM	2,247		1,234	1,013
R-2, RESIDENTIAL: FIREFIGHTER CREW QUARTERS	4,039			4,039
S-2, STORAGE: GARAGES AND STORAGE ROOMS	10,144	4,978	4,673	493
TOTAL NET SQUARE FOOTAGE	35,216	8,764	20,907	5,545

CHAPTER 5 : GENERAL BUILDING HEIGHTS AND AREAS

AREA MODIFICATIONS TO TABLE 503

TABLE 503	% ALLOWABLE TABULAR AREA (TABLE 503)	100
	% INCREASE FOR FRONTAGE (506.2)	42
	% INCREASE FOR AUTOMATIC SPRINKLERS (506.3)	200
	TOTAL	342
	CONVERSION FACTOR	3.42

TABULAR AREA, TYPE III-B, A-3 OCCUPANCY: 9,500 SF (MOST RESTRICTIVE)

ALLOWABLE AREA PER FLOOR 3.42 (9,500) = 32,490 SF

MAXIMUM FLOOR AREA (ALL STORIES EXCLUDING BASEMENT) 97,470 SF

TOTAL ACTUAL FLOOR AREA (INCLUDING BASEMENT) 35,216 NET SF
37,792 GROSS SF

ACTUAL BUILDING HEIGHT 25 FT - 2 STORIES
ALLOWABLE BUILDING HEIGHT 75 FT - 3 STORIES

CHAPTER 6 : TYPES OF CONSTRUCTION

ACTUAL BUILDING AREA, FIRST FLOOR, GROSS SF 21,969 SF ADJUSTED BUILDING AREA (21,969 SF / 3.42) = 6,424 SF

CONSTRUCTION CLASSIFICATION: TYPE III B

FIRE RESISTANCE RATINGS (TABLE 601)

CHAPTER 7 : FIRE-RESISTANCE-RATED CONSTRUCTION

707.4 SHAFT ENCLOSURE FIRE RESISTANCE 1 HOUR OR RATING OF FLOOR/CEILING ASSEMBLY

BUT NOT MORE THAN 2 HOURS

CHAPTER 8 : INTERIOR FINISHES

TABLE 803.4

USE B-BUSINESS

INTERIOR WALL AND CEILING FINISHES:	BUSINESS	A-3	R-2	8-2
VERTICAL EXITS AND EXIT PASSAGEWAYS:	CLASS B	CLASS B	CLASS C	CLASS C
EXIT ACCESS CORRIDORS:	CLASS C	CLASS B	CLASS C	CLASS C
ROOMS AND ENCLOSED SPACES:	CLASS C	CLASS C	CLASS C	CLASS C
INTERIOR FLOOR FINISHES:				
VERTICAL EXITS AND EXIT PASSAGEWAYS:	CLASS II	CLASS II	CLASS II	CLASS II
EVIT ACCESS CORRIDORS:	CLASS II	CLASSII	CLASSII	CLASSII

CHAPTER 9 : FIRE PROTECTION SYSTEMS

903.3.1.1 SPRINKLERS INSTALLED THROUGHOUT IN ACCORDANCE

WITH NFPA 13

906 FIRE EXTINGUISHERS AS REQUIRED BY

INTERNATIONAL FIRE CODE

TABLE 1003.2.2.2	OCCUPANCY		FLOOR AREA (SF) PER	OCCUPANT	
	BUŞINEŞŞ AREAŞ		100 GROSS		
	ASSEMBLY- CHAIR ASSEMBLY- CHAIR		7 NET 15 NET		
	RESIDENTIAL ARE		200 GROSS		
	DORMITORY		50 GROSS		
	LOCKER AND EXE	RCISE ROOMS	50 GROSS		
		ECHANICAL ROOMS	300 GROSS		
	GARAGE AREAS,	EQUIPMENT ROOMS	300 GROSS		
BASEMENT					
	INESS AREAS RAGE AND MECHANIO	CAL	293 / 100 7,339 / 300	3 25	
	(INC. INCIDENTAL BA	VREA)			
LOC	KER AND EXERCISE F	ROOMS	1,132 / 50	23	
	TOTAL ARE	A AND OCCUPANTS	8,764 SF	51 OCCUPANTS	
FIRST FLOO	B				
BUSI	NESS AREAS		14,785 / 100	148	
	EMBLY- CHAIRS, NOT		1,234 / 7	176	
	AGE AREAS, EQUIPMI RAGE AND MECHANIC		4,673 / 300 215 / 300	16	
310	(INCIDENTAL E		2157 300		
	TOTAL AREA	A AND OCCUPANTS	20,907 SF	341 OCCUPANTS	
SECOND FLO	OOR				
	DENTIAL AREAS		2,693 / 200	14	
	MITORY		785 / 50	16 (ACTUAL =	7)
	KER AND EXERCISE F		561 / 50	12	
	RAGE AND MECHANIC EMBLY- CHAIRS AND T		493 / 300	2	
ASSE	EMBLY- CHAIRS AND I	IABLES	1,013 / 15	68	
	TOTAL AREA	A AND OCCUPANTS	5,545 SF	112 OCCUPANTS	
TABLE 1003.2.3	EGRESS WIDTH P	ER OCCUPANT SERVE	D (INCHES/OCCUPANT)		
		BASEMENT	FIRST FLOOR	SEC	OND FLOOR
STAIRWAYS:	OCCS. * .20	51" .20 = 10.2"	NA	112	· .20 = 22.4*
OTHER	OCCS*.15	51 ".15 = 7.65"	341*.15 = 51.15	5* 112	* .15 = 16.8*
	AIRWAYS, STAIR 2 AN				DED STAND
	CITY PER STAIR = 51		26 X 3	2 = 5.2" MIN. WIDTH	PER STAIR
	OR STAIRWAYS, STAIR ICITY PER STAIR = 112		56 X 3	2 = 11.2° MIN. WIDT)	H PER STAIR
1003.3.1.1 MIN	NIMUM CLEAR WIDTH	OF ECDESS DOODS :			
1003.3.3.1 MIN	NIMUM CLEAR WIDTH	OF STAIRWAYS: = 44			
1003.3.3.1 MIN TABLE 1004.2.1 SPAC	NIMUM CLEAR WIDTH CES WITH ONLY ONE I	OF STAIRWAYS: = 44			
1003.3.3.1 MIN TABLE 1004.2.1 SPAC EXIT CAPAC 2.222	NIMUM CLEAR WIDTH CES WITH ONLY ONE P CITY FOR AREA SERVE 2 SF STORAGE OR ME	OF STAIRWAYS: = 44 MEANS OF EGRESS ED ONLY BY STAIR 3; ECHANICAL AT 300 SF/	OCCUPANT = 8 OCCUPAN	TS	
1003.3.3.1 MIN TABLE 1004.2.1 SPAC EXIT CAPAC 2.222	NIMUM CLEAR WIDTH CES WITH ONLY ONE P CITY FOR AREA SERVE 2 SF STORAGE OR ME 4 SF BUSINESS AREA	OF STAIRWAYS: = 44 MEANS OF EGRESS ED ONLY BY STAIR 3; ECHANICAL AT 300 SF/ AT 100 SF/ OCCUPAN	OCCUPANT = 8 OCCUPAN T = 3 OCCUPANTS		
1003.3.3.1 MIN TABLE 1004.2.1 SPAC EXIT CAPAC 2.222 29	NIMUM CLEAR WIDTH CES WITH ONLY ONE F CITY FOR AREA SERVI 2 SF STORAGE OR ME M SF BUSINESS AREA TOTAL OCCUP	OF STAIRWAYS: = 44 MEANS OF EGRESS ED ONLY BY STAIR 3; ECHANICAL AT 300 SF/ AAT 100 SF/ OCCUPAN WANT LOAD SERVED OF	OCCUPANT = 8 OCCUPAN T = 3 OCCUPANTS NLY BY STAIR 3:	TS 11 OCCUPANTS 100 FT	
TABLE 1004 2.1 SPACE EXIT CAPACE 2.222 29	NIMUM CLEAR WIDTH CES WITH ONLY ONE F CITY FOR AREA SERVI 2 SF STORAGE OR ME M SF BUSINESS AREA TOTAL OCCUP	OF STAIRWAYS: = 44 MEANS OF EGRESS ED ONLY BY STAIR 3: ECHANICAL AT 300 SF/ AT 100 SF/ OCCUPAN WANT LOAD SERVED OIL SERVED ONLY BY STA	OCCUPANT = 8 OCCUPAN T = 3 OCCUPANTS NLY BY STAIR 3:	11 OCCUPANTS	
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TABLE 1004.2.1 SPACE EXIT CAPACE 2.222.29 MAX. TRAVIL ACC. AREA SERV. AND LESS TO TWO EXITS TABLE 1004.2.4 E.	NIMUM CLEAR WIDTH CES WITH ONLY ONE II CITY FOR AREA SERVI 2 SF STORAGE OR ME A SF BUSINESS AREA TOTAL OCCUP EL DISTANCE IN AREA TUAL MAXIMUM TRAV ED ONLY BY STAIR 3 HAAN 100 MAX TRAVE NOT REQUIRED FRO EXIT ACCESS TRAVEL	OF STAIRWAYS: = 44 MEANS OF EGRESS ED ONLY BY STAIR 3: ECHANICAL AT 300 SF/ AT 100 SF/ OCCUPAN WANT LOAD SERVED ON ASERVED ONLY EVEL DISTANCE: IS UNDER MAX 30 OO EL DISTANCE REQUIRE M BASEMENT AREA SI	OCCUPANT = 8 OCCUPAN T = 3 OCCUPANTS NLY BY STAIR 3: AIR 3: CUPANTS DD BY USE GROUP S (MOS ERVED ONLY BY STAIR 3. BUSINESS	11 OCCUPANTS 100 FT 78 FT T RESTRICTIVE)	-2 5-2 0 FT 250
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TOTAL SPACES ACCESSIBLE SPACES REQUIRED ACCESSIBLE SPACES PROVIDED 50 2 4

ONE-HOUR FIRE-PARTITION - SEE A600 FOR PARTITION TYPES SEE DOOR SCHEDULE FOR FIRE PATING AT DOORS.

TWO HOUR FIRE-RATED EXTERIOR BEARING WALL CONFORMING TO UL DA18 (AT STEEL STUDS) OR UL 1995 (AT CMU) SEE DOOR SCHEDULE FOR FIRE RATING AT DOORS.

SMOKE PARTITION

ONE-HOUR RATED CEILING ASSEMBLY

USE GROUP LEGEND

NOTE: ALL AREAS ARE B UNLESS OTHERWISE NOTED



	BASEMENT	1ST FLR	2ND FLR	TOTAL
EXISTING BUILDING	3,364	7,784	1,920	13,068
NEW CONSTRUCTION	5,598	14,185	4,941	26,644
	8.962	21.969	6,861	37,792 SF