

CITY OF BIRMINGHAM

BERNARD KINCAID
MAYOR



WILLIAM A. GILCHRIST
DIRECTOR

DEPARTMENT OF PLANNING ENGINEERING AND PERMITS

ARCHITECTURE DIVISION

FIRE STATION 10/22

4425 5TH AVENUE SOUTH
BIRMINGHAM, ALABAMA 35222

S.E. SECTION 29 - TOWNSHIP 17 - RANGE 2 WEST

PARCEL ID # _____

CODE REVIEW DATA

APPLICABLE CODES:
1994 Standard Building Code
1994 Standard Plumbing Code
1994 Standard Mechanical Code
1996 National Electric Code
1994 NFPA 101 - Life Safety Code
1992 ANSI 117.1

OCCUPANCY TYPE: SBC: Residential - Group R2 - (SBC 1003.1) AREA: 7,540.5 sq.ft.
SBC: Storage - Group S - (SBC 1003.1) 7,007.7 sq.ft.

CONSTRUCTION TYPE: SBC: TYPE V (Unprotected)

AUTOMATIC SPRINKLERING SYSTEM: Unsprinklered

MINIMUM OCCUPANT LOADS:
Residential 200 SF Gross
Storage 300 SF Gross

MAXIMUM TRAVEL TO EXIT:
Common Path of Travel - 200 ft. max.
Any Point to Exit 60 FT

HEIGHT LIMIT: 25 Feet Allowable

AREA LIMIT:
Residential 12,000 S.F.
Storage 16,000 S.F.

AREA BETWEEN FIRE WALLS: N/A

OCCUPANCY SEPARATION:	RESIDENTIAL	STORAGE
Residential	1 HOUR	2 HOUR
Storage	2 HOUR	N/A
TENANT SEPARATION	N/A	N/A

REQUIRED FIRE RATINGS FOR WALLS and OPENINGS: (per Table 600 & Table 700 of the SBC)
(Include Only Applicable Elements & Ratings)

ELEMENT	MIN. RATING	OPENING RATING
Party & Fire Walls:	N/A	N/A
Interior Bearing Walls:	N/A	N/A
Shaft Enclosures:	N/A	N/A
Smoke Barriers:	N/A	N/A
Mechanical/Storage:	2 HOUR	1.5 HOUR
Maintenance Stor./Lifts:	N/A	N/A
Bathrooms & Restrooms:	N/A	N/A
Exterior Walls:	2 HOUR	N/A HOUR (over 15' from Property Line)
Building Separation:	N/A	N/A

ELEMENT	STANDARD BLDG CODE REQ. RATING	LIFE SAFETY CODE REQ. RATING
Columns supporting roof only:	N/A	N/A
Beams, Girders, Trusses, & Arches (Supporting Roof Only):	N/A	N/A
Floor / Ceiling construction:	N/A	N/A
Roof / Ceiling construction:	N/A	N/A
Exterior Bearing Walls:	2 HOUR	N/A

LIFE SAFETY CODE (Residential)

CONSTRUCTION TYPE: TYPE II (200)

AUTOMATIC SPRINKLERING SYSTEM: Unsprinklered

OCCUPANT LOAD FACTORS (A-5.3.1.2):
Dormitory 200-SF-Gross
Storage N/A SF Gross

BUILDING COMPONENTS

AREA TABULATIONS: (GROSS S.F.)
Residential 7,540.5 sq.ft.
Storage 7,007.7 sq.ft.
TOTALS (Gross) 14,548.2 sq.ft.

HEIGHT: (Main) Story -
HEIGHT FROM LOWEST FLOOR AT GRADE TO UPPER MOST FLOOR: N/A

OCCUPANCY	SIZE	OCCUPANCY LOAD	EGRESS WIDTH REQUIRED	EGRESS WIDTH PROVIDED
Residential	7,540.5 sq.ft.	38	DOORS: OCCUPANTS x 0.2" = 7.6"	128
Storage	7,007.7 sq.ft.	24	DOORS: OCCUPANTS x 0.2" = 4.8"	64

OTHER INFORMATION

- INDICATE AREA BETWEEN FIREWALLS. SEE DRAWING N/A
- PROVIDE SITE PLAN SHOWING LAYOUT OF BUILDING FROM ALL PROPERTY LINES. SEE DRAWING SP-2
- PROVIDE SITE UTILITY PLAN INDICATING LOCATION AND SIZES FOR ALL UTILITIES INCLUDING WATER, SEWER, STORM, AND ELECTRICAL. SEE DRAWING SP-1
- PROVIDE LIFE SAFETY PLAN SHOWING EXITS AND FIRE RATINGS FOR ALL EXIT ACCESS CORRIDORS AND SHAFTS. SEE DRAWING N/A
- INDICATE TRAVEL DISTANCE FROM EACH TENANT SPACE IN FEET. SEE DRAWING N/A
- PROVIDE INTERIOR PARTITIONS FOR ALL RATED AND NON-RATED PARTITION TYPES. SEE DRAWING N/A
- INDICATE ALL DUCTWORK THAT CROSSES FIRE RATED WALLS AND INDICATE FIRE DAMPERS. SEE DRAWING M-3
- PROVIDE TRUNK PIPING WITH "DUCT SIZES AND CFM PER OUTLET WITH AIR BALANCE TABLE. SEE DRAWING M-2/M-3
- INDICATE ON HVAC DRAWINGS ALL EXHAUST AND RELIEF FANS WITH CFM REQUIREMENTS. SEE DRAWING M-3
- INDICATE BUILDING EXHAUST SEPARATE FROM TOILET EXHAUST. SEE DRAWING M-3
- SUBMIT OUTSIDE AIR CALCULATIONS SHOWING COMPLIANCE WITH ASHRAE 62-99. SEE DRAWING M-2
- SUBMIT MATERIAL DATA SAFETY SHEETS IF THE BUILDING STORES CHEMICALS OR GASES. SEE DRAWING N/A
- PREPARE PLUMBING DRAWINGS SHOWING NON-PRESSURE PIPING. SEE DRAWING P-3
- PROVIDE ISOMETRIC OF DRAINAGE WASTE AND VENT SYSTEM. SEE DRAWING P-5
- PROVIDE PLUMBING FIXTURE SCHEDULE. SEE DRAWING P-1
- INDICATE ON PLANS EXISTING FIXTURES AND/OR FIXTURES TO BE REMOVED. SEE DRAWING N/A
- INDICATE EXISTING WET COLLARS AND/OR EXISTING CONNECTIONS TO THE EXISTING SEWER SYSTEM. SEE DRAWING N/A
- PROVIDE SITE PLAN WHEN APPLICABLE FOR NEW CONSTRUCTION AND ADDITIONS INDICATING CONNECTIONS OF WATER AND GAS LINES TO RESPECTIVE MAINS. SEE DRAWING P-0
- PROVIDE GAS ISOMETRIC FOR ALL GAS PIPING. SEE DRAWING P-0
- INDICATE LONGEST RUN OF PIPING FROM GAS METER TO FARTHEST OUTLET. SEE DRAWING P-4
- PROVIDE TOTAL BTU'S OF THE NEW AND EXISTING GAS PIPING SYSTEM. SEE DRAWING N/A
- PROVIDE DOOR SCHEDULE WITH FIRE RATING AND HARDWARE. SEE DRAWING A-5
- PROVIDE METHODS OF PROTECTION FOR PENETRATIONS THROUGH FIRE RATED PARTITIONS AND FLOORS. SEE DRAWING M-1

REVISIONS			
NO	DATE	BY	DESCRIPTION
1	4/23/07	RU	ADDRESS CHANGE
2	4/23/07	RU	CHART COMPLETION