

BUILDING CODE STUDY DATA

DESIGN PHASE: __ SD __ DD __ CD DATE: _____

1) PROJECT: _____ PROJECT NO. _____

FACILITY: _____

2) **APPLICABLE CODES:** (* A/E to insert applicable year for each code)

- A) Building Code: IBC - *
- B) Fire Code: NFPA - *
- C) International Mechanical Code: IMC - *
- D) National Standard Plumbing Code: NSPC - *
- E) National Electric Code: NEC - *
- F) ASHRAE: Latest
- G) Elevator and Escalator Safety Code: ASME A17.1.2000 (with addenda)
- H) **Maryland Accessibility Code Guidelines for Buildings and Facilities (COMAR 05.02.02)**

3) **BUILDING USE, CONSTRUCTION CLASSIFICATIONS AND HEIGHT**

	<u>IBC</u>	<u>NFPA</u>
Use Group (Section 302) _____:	_____	_____
Special Use and Occupancy__ __ (Chapter 4):	_____	_____
Incidental Use Areas _____ (Table 508.2):	_____	_____
Proposed Type of Construction __ (Table 503):	_____	_____
Building Height Allowance _____ (Table 503):	_____	_____
Additional Credit for Fully Sprinklered Building _____ (Section 504.2):	_____	_____
Actual Building Height _____:	_____	_____
Number of Stories _____ (Table 503):	_____	_____

4) **BUILDING AREAS:**

BUILDING ACTUAL GROSS AREAS:

First Floor : _____
 Second Floor : _____
 Third Floor : _____
 Mechanical Penthouse: _____
 Total (GSF) : _____

MAXIMUM ALLOWABLE AREAS:

Per IBC Table 503: _____ + Automatic Sprinkler System Increase – 504.2 _____

5) **OCCUPANCY LOADS:**

USE:	IBC (Table 1004.4.1):	Life Safety (Table 7.3.1.2):
_____	_____	_____

6) **EGRESS WIDTH:**

	IBC (Table 1004.4.1):	Life Safety (Table 7.3.1.2):
Egress Width at Stairs:	_____	_____
Egress Width at Doors:	_____	_____
Egress Width at Corridors:	_____	_____

7) **OCCUPANCY LOADS AND EGRESS REQUIREMENTS:**

Location (Spaces)	:	_____
Area in Sq. Feet	:	_____
Maximum Floor Area	:	_____
Allowance per Occupant (1004.1.1):		_____
Egress Width Required (1005.1)	:	_____
Egress Width Provided (In Inches):		_____
Number Exits Required (1019.1)	:	_____
Number Exits Provided	:	_____

8) **FIRE PROTECTION SYSTEM REQUIREMENTS:**

	IBC	System Req. (Yes/No)	IBC - * Reference	NFPA 101-*
Automatic Sprinkler	(Sec 903):	_____	_____	_____
Fire Extinguishers	(Sec 903):	_____	_____	_____
Standpipe System	(Sec 903):	_____	_____	_____
Portable Fire Extinguishers	(Sec 903):	_____	_____	_____
Fire Alarm System	(Sec 903):	_____	_____	_____
Emergency Alarm System	(Sec 903):	_____	_____	_____
Smoke Control System	(Sec 903):	_____	_____	_____
Smoke and Heat Vents	(Sec 903):	_____	_____	_____
Fire Command Center	(Sec 903):	_____	_____	_____
Fire Dept. Connection	(Sec 903):	_____	_____	_____

9) **MAXIMUM DEAD END/DISTANCE:**

Use Group	:	_____
IBC - * (1016.3)	:	_____
NFPA - *	:	_____

10) **INTERIOR FINISH REQUIREMENTS:**

	<u>Class</u>	<u>Flame Spread</u>	<u>Smoke Development</u>
IBC - * (Table - 803.5):	_____	_____	_____
NFPA - * (Chapter 10):	_____	_____	_____

11) **MAXIMUM TRAVEL DISTANCE TO EXIT:**

Actual: **Show on Life Safety Plan**

Allowable: IBC - * (Table - 1015.1) _____ NFPA - * _____

12) **MAXIMUM CORRIDOR WIDTH REQUIREMENTS:**

Location	Width	IBC Reference (1017.2)	NFPA-Reference
_____	_____	_____	_____

13) **PANIC HARDWARE:**

Location	Required	IBC Reference (1008.1.9)	NFPA-Reference
_____	_____	_____	_____

14) **STAIR DATA:** (Section 1009)

Stair Width : _____
Capacity : _____
Rated Enclosure: _____

15) **BUILDING FIRE RATINGS:**

	IBC – * (601-602)	NFPA - * (Chapter 8)	
STRUCTURAL FRAME Including Columns, Girders, Trusses	:	_____	_____
EXTERIOR BEARING WALL	:	_____	_____
EXTERIOR NON-BEARING WALL	:	_____	_____
INTERIOR BEARING WALL	:	_____	_____
FLOOR CONSTRUCTION Including Support Beams and Joist	:	_____	_____
ROOF CONSTRUCTION Including Support Beams and Joist	:	_____	_____
	:	_____	_____
FIRE WALLS – USE GROUP Protective Opening Rating (Section 705 & 715)	:	_____	_____
VERTICAL EXIT ENCLOSURE Protective Opening Rating (Section 704.4)	:	_____	_____
SHAFTS AND ELEVATOR HOIST WAYS: Protective Opening Rating (Section 707.4)		_____	_____
EXIT ACCESS CORRIDORS Protective Opening Rating (Section 1017.1)	:	_____	_____
SMOKE BARRIER Protective Opening Rating (Section 709)	:	_____	_____