

1 BUILDING PLANNING & DESCRIPTION

<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> SHELL BUILDING	<input type="checkbox"/> CHANGE OF OCCUPANCY
<input type="checkbox"/> LEASE SPACE BUILD-OUT	<input type="checkbox"/> SUBSTANTIAL IMPROVEMENT	
<input type="checkbox"/> SINGLE OCCUPANCY		
<input type="checkbox"/> MIXED OCCUPANCY	<input type="checkbox"/> SEPARATED USE	<input type="checkbox"/> NON-SEPARATED

TYPE OF CONSTRUCTION: _____ (IBC, CHAPTER 6)
BLDG. LENGTH _____ BLDG. WIDTH _____ BLDG. HEIGHT _____ (IN FT.)
HEIGHT LIMITATION _____ AREA LIMITATION _____ (TABLE 503 IBC2006)
(For use with alternative means of egress, please refer to section on cover sheet or code amendments sheet.)

GROSS SQUARE FOOTAGE _____
ESTIMATED COST OF CONSTRUCTION: \$ _____
SCALED COST OF CONSTRUCTION: \$ _____
(To calculate scaled cost of construction use life square footage and multiply by \$75.00)

T.D.L.R.# _____
TEXAS DEPARTMENT OF LICENSING AND REGULATIONS
<http://www.license.state.tx.us/> (dependent) hold Ctrl + click here
Telephone: (512) 463-6599 Toll-Free (in Texas): 800-803-9202
Fax: (512) 475-2871 Relay Texas-TDD: (800) 735-2989

BUILDING NUMBER: _____ OF _____
BUILDING NAME: _____
CALL CENTERPOINT ENERGY, AT 713-207-4460, TO OBTAIN AN ADDRESS
PHYSICAL ADDRESS: _____

LEASE SPACE/SITE NO.: _____
HCAD No. or Property Tax#: _____ - _____ - _____ (13 Digits)
SHELL BUILDING PERMIT NUMBER: _____
PRIMARY RESPONDING FIRE DEPARTMENT STATION NUMBER: _____
ADDRESS: _____
<http://www.hcfmo.net/jurisdictionsearch.aspx>

BRIEF DESCRIPTION

PROVIDE A BRIEF DESCRIPTION OF THE USE AND PROJECT PURPOSES, PROJECT TYPE AND WHETHER LISTED IN THE EXCITELY.

OCCUPANCY TYPE AND LOAD

CHAP. 2 (IBC 2006), CHAP. 3 & 10 (IBC 2006)

OCCUPANCY CLASSIFICATION	SPECIFIC USE	1	2	3
A-1				
A-2				
A-3				
A-4				
A-5				
B				
E				
F-1				
F-2				
H-1				
H-2				
H-3				
H-4				
H-5				
I-1				
I-2				
I-3				
I-4				
M				
R-1				
R-2				
R-3				
R-4				
S-1				
S-2				
U				
TOTAL				

REF: IBC 2006, TABLE 1004.1.1

1 LIST SQUARE FOOTAGE IN EACH OCCUPANCY CLASSIFICATION.

2 LIST FLOOR AREA IN SQUARE FOOT PER OCCUPANT FROM IBC TABLE 1004.1.1

3 LIST ALLOWABLE OCCUPANTS PER OCCUPANT CLASSIFICATION.

NOTE: EXTRA COLUMNS MAY BE ADDED FOR MULTIPLE STORY BUILDINGS

HARRIS COUNTY

FIRE CODE DESIGN AND COMPLIANCE REVIEW SHEET VERSION 5.0 (MAY 2011)

2 MEANS OF EGRESS

IBC 2006, CHAPTER 10

MEANS OF EGRESS	# OF REQUIRED EXITS	# OF EXITS PROVIDED	SHEET #
Stairways (per floor)			
Egress @ grade level			

(TABLE 1005.1 IBC-2006ED)

STAIRWAYS (IBC-2006 SEC. 1009)

MINIMUM CLEAR WIDTH PROVIDED *(EACH STAIRWELL)* _____
EGRESS WIDTHS ARE SHOWN ON SHEET: _____
ACCESSIBLE AREAS OF REFUGE & 2-WAY COMMUNICATIONS _____
(IBC-2006 SEC. 1007.3 TO 1007.6)

EXIT SIGNS / EGRESS ILLUMINATION (IBC-2006 SEC. 1006 & 1011)
REQUIRED AND SHOWN ON SHEET _____ (HIGHLIGHT ON PLANS)
EXTERIOR EMERGENCY LIGHTING PROVIDED YES NO

EXIT ACCESS TRAVEL DISTANCE (IBC-2006 SEC. 1016.1)

OCCUPANCY TYPE	MAX. TRAVEL DISTANCE	PROVIDED TRAVEL DISTANCE	SHEET #

CORRIDOR FIRE RESISTANCE RATING (IBC-2006 TABLE 1017.1)

OCCUPANCY TYPE	OCC. LOAD SERVED BY CORRIDOR	REQUIRED FIRE RESISTANCE RATING	SHEET #

ELEVATORS

NEW EXISTING YES NO ELEVATOR KEYBOX LOCATED IN LOBBY?

3 FIRE PROTECTION SYSTEMS

IBC & IFC 2006 CHAPTER 9

* AUTOMATIC FIRE SPRINKLER SYSTEM (SECTION 903 & IFC FIRE CODE AMENDMENTS 903.2)

PROVIDED AS NOTED ON SHEET _____
TYPE OF SYSTEM PROVIDED: _____
NFPA 13 _____ FLD _____ OTHER _____
NFPA 13R _____ ESFR _____ NOT REQUIRED PER SECTION 903, HARRIS
NFPA 13D _____ QUICK RESPONSE _____ CO. FIRE CODE (IBC-2006)

ALTERNATIVE AUTOMATIC FIRE EXTINGUISHING SYSTEM (SECTION 904)

PROVIDED AS NOTED ON SHEET _____ TYPE OF SYSTEM PROVIDED _____
NOT REQUIRED PER SECTION 904
STANDPIPE SYSTEM & HOSE CONNECTIONS (SECTION 905)
PROVIDED AS NOTED ON SHEET _____ TYPE OF SYSTEM PROVIDED _____
NOT REQUIRED PER SECTION 905

PORTABLE FIRE EXTINGUISHERS (SECTION 906)

PROVIDED AS NOTED ON SHEET _____ NUMBER PROVIDED _____ (HIGHLIGHT ON PLANS)

* FIRE ALARM AND DETECTION SYSTEMS (SECTION 907 & IFC FIRE CODE AMENDMENTS)

PROVIDED AS NOTED ON SHEET _____
TYPE OF SYSTEM PROVIDED: _____
AUTOMATIC WITH SMOKE COVERAGE _____ MANUAL WITH NOTIFICATION
COMPLYING WITH I.C. AMENDMENTS 907.2 _____ ELEVATOR RECALL - SUPERVISORY
SPRINKLER MONITOR WITH OCCUPANCY _____ OTHER _____
NOTIFICATION COMPLYING WITH I.C. AMENDMENTS 907 _____ NOT REQUIRED PER SECTION 907

HVAC & AIR DISTRIBUTION SYSTEM CONTROLS (SECTION 907.12 IFC 2006)

(Smoke/fire dampers, duct smoke detectors, etc.)
PROVIDED AS NOTED ON SHEET _____
NO HVAC UNITS OVER 2,000 CFM USED IN THIS SYSTEM
NO FIRE/ SMOKE DAMPERS IN THE BUILDING

SMOKE CONTROL SYSTEMS (SECTION 909)

PROVIDED AS NOTED ON SHEET _____
NOT REQUIRED PER SECTION 909

* REFER TO REGULATIONS AND CODE WORDS: SPRINKLER RISER/FIRE ALARM ROOMS

OCCUPANCY GROUP AND COMMON USE	RESISTANT SPRINKLER HEADS (per 1000)	MINIMUM AREA PER SPRINKLER (Square Feet)	VENTILATION FLOOR AREA (Kilob)	MAX. SPACING BETWEEN CENTERS (Feet)	MAX. DISTANCE TO VENTS (Feet)	SHOWN ON SHEET

NOTE: WHERE AREAS OF BUILDINGS ARE EQUIPPED WITH EARLY SUPPRESSION FAST-RESPONSE (ESFR) SPRINKLERS, AUTOMATIC SMOKE AND HEAT VENTS SHALL BE INSTALLED PER MANUFACTURERS SPECIFICATIONS, MEETING LOCAL JURISDICTION REQUIREMENTS.

4 FIRE-RESISTANCE RATED CONSTRUCTION

IBC 2006, CHAPTER 6, 7 and 10

SHOW DETAILS OF FIRE WALLS OR FIRE BARRIERS MEETING HORIZONTAL WALLS AND ROOF DECKS (SEE 705.5, 705.6 AND 706.5 IN 2006-IBC).
(REFER TO TABLES 601, 602 & 602.4 OF IBC 2006)

BUILDING ELEMENTS	REQUIRED	PROVIDED	SHEET #	STANDARD
STRUCTURAL FRAME				
EXTERIOR BEARING WALLS				
EXTERIOR BEARING WALLS				
EXTERIOR NON-BEARING WALLS				
INTERIOR NON-BEARING WALLS				
FLOOR CONSTRUCTION				
ROOF CONSTRUCTION				
STAIRWELLS (Section 1020)				
ELEVATOR SHAFTS (Section 707)				
CORRIDORS (Section 1017)				
FIRE RATED DOORS (Table 715.4)				
DEMISING/PARTITION WALL (Sect. 708)				
FIRE BARRIER (Section 706)				
FIRE WALL (Section 705)				
YES <input type="checkbox"/> NO <input type="checkbox"/> DRAFTSTOPS				
YES <input type="checkbox"/> NO <input type="checkbox"/> HAVE YOU CHECKED WIDTH OF OPENINGS IN FIRE BARRIER PER IBC 706.7?				

AUTOMATIC FIRE EXTINGUISHING SYSTEM REDUCTION CLAIMED: Yes No

(1 HOUR REDUCTION ALLOWED, SEE FOOTNOTE - E, TABLE 601 IBC2006)

FIRE SEPARATION DISTANCE (FEET)

(REF: SECTION 602 IBC-2006) NORTH SOUTH EAST WEST

ROOF COVERING CLASSIFICATION: PROVIDED A B C

(REF: TABLE 1505.1, IBC2006)

5 WATER SUPPLY

IBC 2006 CHAPTER 5

GROSS SIZE OF BUILDING IN SQ. FT., *(INCLUDE ALL OVERHANGS UNDER ROOF)*

REQUIRED (GPM) _____ DURATION _____

(REF: IFC-2006 APPENDIX B105.2, APPENDIX D, DIVS. 1 THRU DIVS. 3)

75% REDUCTION YES NO (MUST MAINTAIN MINIMUM OF 1,500 GPM)

PUBLIC WATER SUPPLY WITH FIRE HYDRANTS

NAME OF THE MUNICIPAL UTILITY DISTRICT _____

NUMBER OF EXISTING HYDRANTS WITHIN 1000 FEET OF PROJECT _____

** WATER SOURCE FOR RURAL AREAS WITHOUT FIRE HYDRANTS

DRY HYDRANT ** _____

ABOVEGROUND STORAGE _____

OTHER _____

DESIGN SPECIFICATIONS, AND LOCATION SHOULD MEET MINIMUM REQUIRED WATER SUPPLY FROM THE FIRE FLOW CALCULATOR

FIRE FLOW CALCULATOR NFPA 1142 _____

http://hcpid.org/permits/fc_welcome.html (dependent) hold Ctrl + click here

** SUBMIT DRY HYDRANT DESIGN PLANS & CALCS TO FIRE PROTECTION FOR REVIEW & APPROVAL.

5.1 FIRE LANE ACCESS

APPENDIX B, C & D

PROVIDED AS NOTED ON SHEET NUMBER _____ FOR "FIRE LANE LAYOUT PLAN" WHICH SHALL INCLUDE THE FOLLOWING: SITE PLAN, FIRE LANE, FIRE HYDRANTS WITH LOCATIONS HIGHLIGHTED ON PLANS.

FIRE LANES WILL BE APPROVED CONCEPTUALLY DURING THE CIVIL REVIEW PROCESS. HOWEVER THE FIRE CODE PLAN REVIEWER MAY CHANGE THE FIRE LANE LAYOUT BASED ON THE BUILDING SPECIFICATIONS.

PROVIDING DRY STANDPIPE: WALL HYDRANT TO COMPLY WITH FIRE LANE COVERAGE.

BUILDING HEIGHT OVER 30 FT., AERIAL ACCESS LAYOUT PROVIDED ON SHEET _____

MENU ITEM *(FIRE LANE LAYOUT GENERAL REQUIREMENTS & APPROVED SIGN)*

http://hcpid.org/permits/fc_welcome.html (dependent) hold Ctrl + click here

6 INTERIOR FINISH

IBC 2006, CHAPTER 8
(PER SECTION 803 AND TABLE 803.5, IBC 2006)

OCCUPANCY GROUP	EXITS ENCLOSURES, EXIT PASSAGEWAYS	CORRIDORS	ROOMS AND ENCLOSED SPACES	SHOWN ON SHEET

(grown molding, chair rail, baseboard, door, window trim, etc.)

7 HIGH PILED STORAGE

IBC 2006, CHAPTER 23

YES NO **THIS BUILDING IS DESIGNED FOR THE INTENT OF HIGH PILE STORAGE. IF YES, THEN PROVIDE HIGH PILE STORAGE FORM PROVIDED ON OUR WEBSITE

YES NO FIRE DEPARTMENT ACCESS DOORS

YES NO HIGH PILED RACK LAYOUT & CODE ANALYSIS - SHOWN ON SHEET _____

7.1 HAZARDOUS MATERIALS

IBC 2006, CHAPTER 27

YES NO ** THIS BUILDING IS DESIGNED FOR THE INTENT OF HAZARDOUS MATERIAL STORAGE. IF YES, THEN PROVIDE ALL HAZIS SUMMARIES, REPORTS AND MSDSS

YES NO EMERGENCY ALARM SYSTEM REQUIRED PER IBC 2006

YES NO BATTERY BACK UP GENERATOR

YES NO VENTILATION

YES NO SECONDARY CONTAINMENT

*** REFER TO REGULATIONS AND CODE WORDS: REQUIREMENT FOR CONSULTANT ENGINEER

8 SPECIAL CONDITIONS

YES NO ATRUIM(S)? YES NO SMOKE CONTROL PER IBC 404.4

YES NO SEPARATION - PER IBC 404.5 YES NO ASSEMBLY SEATING?

YES NO IS THIS A HIGH RISE BLDG? YES NO IS THIS A COVERED MALL?

YES NO ANY FUEL STORAGE TANKS? YES NO IS THIS AN UNDERGROUND BLDG?

YES NO IS THIS AN AIRCRAFT RELATED YES NO IS THIS A SPECIAL AMUSEMENT BLDG?

8.1 COMMENTS

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

A COPY OF THESE APPROVED CONSTRUCTION PLANS MUST BE KEPT AT PROJECT SITE FOR THE FINAL INSPECTION OF THE BUILDING(S).

SUBMITTAL TYPE: <input type="checkbox"/> Paper <input type="checkbox"/> Electronic	Fire Code Inspection Code _____ Construction Code _____
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THE PROJECT KNOWN AS

FIRE CODE IFC 2006

PROJECT NUMBER _____

WAS ACCEPTED BY HARRIS COUNTY FOR THE PURPOSES LISTED BELOW:

REVIEWER'S SIGNATURE BLOCK

PERMIT OFFICE

BY _____ AS TO COMPLIANCE WITH COUNTY FIRE CODE _____ DATE _____
THE PROJECT WAS REVIEWED, HOWEVER, THIS DOES NOT MEAN THE ENTIRE PROJECT, INCLUDING ALL SUPPORTING DATA AND CALCULATIONS HAVE BEEN COMPLETELY CHECKED AND VERIFIED. THESE DRAWINGS ARE SIGNED, PARED AND SEALED BY A PROFESSIONAL ENGINEER ARCHITECT OR PROFESSIONAL SURVEYOR IN THE STATE OF TEXAS, WHICH THEREFORE CONFERS THE PROFESSIONAL RESPONSIBILITY AND ACCOUNTABILITY. THIS ACCEPTANCE DOES NOT RELIEVE ANY PARTY FROM COMPLYING WITH ANY OTHER LEGALLY ADOPTED REGULATION OR ORDINANCE RELATED TO LAND DEVELOPMENT.

CERTIFICATION

I, _____ A LICENSED PROFESSIONAL ENGINEER/ARCHITECT IN THE STATE OF TEXAS, DO HEREBY CERTIFY THAT THE INFORMATION PRESENTED ON THIS SHEET IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE. I AM/AM NOT A DESIGNER OF RECORD FOR THIS PROJECT. THE PROJECT CONSISTS OF DRAWING SHEETS _____ THROUGH _____ ENGINEERING FIRM _____ FIRM# _____

SEAL _____	SIGNATURE _____	DATE _____
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FIRE CODE REVIEW

SHEET NUMBER _____ OF _____

http://hcpid.org/permits/fc_welcome.html