

**1 BUILDING PLANNING & DESCRIPTION**

NEW CONSTRUCTION SHELL BUILDING
LEASE SPACE BUILD-OUT (LSBO) CHANGE OF OCCUPANCY
SUBSTANTIAL IMPROVEMENT OTHER:

SINGLE OCCUPANCY MIXED OCCUPANCY (SECTION 508.3 OR 508.4 IBC 2018)
SEPARATED USE NON-SEPARATED USE

TYPE OF CONSTRUCTION: (CHAPTER 6 IBC 2018)

HEIGHT LIMITATION: AREA LIMITATION: (TABLE 504.3 IBC 2018)

FRONTAGE INCREASE CALCULATIONS ARE SHOWN ON SHEET:

GROSS SQUARE FOOTAGE: (INCLUDE ALL OVERHANGS UNDER ROOF)

#OF FLOORS: HEIGHT:

ESTIMATED COST OF CONSTRUCTION: \$

LIST BELOW THE PURPOSE/USE OF THE BUILDING OR AREA BEING REVIEWED. INCLUDE DETAILS ON THE PRODUCTS/MATERIALS BEING STORED/FABRICATED AND NOTE HOW THEY ARE BEING PACKAGED.

Blank lines for listing building details and materials.

**2 OCCUPANCY TYPE AND LOAD**

CHAPTER 2, 3 & TABLE 1004.5 IBC 2018

Table with columns for occupancy classification types: 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.

Table with columns for occupancy classification types: 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.

**BREAK DOWN AREAS AND OCCUPANT LOADS PER FLOOR**

Table with columns: OCCUPANCY CLASSIFICATION, SPECIFIC USE, SQUARE FOOTAGE, SF PER OCCUPANT, DESIGN OCCUPANTS.

TOTAL row for occupancy load breakdown.

**3 MEANS OF EGRESS**

CHAPTER 10 IBC 2018

Table with columns: MEANS OF EGRESS (SECTION 1005.3 IBC 2018), # OF REQUIRED EXITS, # OF EXITS PROVIDED, SHEET #.

PANIC HARDWARE ON EXIT DOORS? YES NO (SECTION 1008.1.9 IBC 2018)

STAIRWAYS (SECTION 1011 IBC 2018)

MINIMUM CLEAR WIDTH SHOWN ON: (EACH)

STAIRWELL) EGRESS WIDTHS ARE SHOWN ON:

ACCESSIBLE AREAS OF REFUGE & 2-WAY COMMUNICATIONS SHOWN ON:

(SECTION 1009.3 TO 1009.8 IBC 2018)

EXIT SIGNS/EGRESS ILLUMINATION (SECTION 1008 & 1013 IBC 2018)

REQUIRED AND SHOWN ON: (HIGHLIGHT ON PLANS)

EXTERIOR MEANS OF EGRESS LIGHTING PROVIDED? YES (SECTION 1008 IBC 2018)

EXIT TRAVEL DISTANCE (TABLE 1017.2 IBC 2018)

Table with columns: OCCUPANCY TYPE, MAX TRAVEL DISTANCE, PROVIDE TRAVEL DISTANCE, SHEET #.

**ELEVATORS**

ELEVATOR KEYBOX LOCATED IN LOBBY? NEW EXISTING (MUST BE WITHIN 20' OF THE CALL BUTTON) YES NO

AT LEAST 1 ELEVATOR SIZED FOR STRETCHER? (Meet IBC 3002.4 regardless of # of stories) YES NO

**4 FIRE PROTECTION & LIFE SAFETY SYS.**

CHAPTER 9 IBC & IFC 2018

ALL FIRE PROTECTION PLANS SHALL BE SUBMITTED FOR REVIEW AFTER BUILDING PERMIT HAS BEEN ISSUED (I.E. UNDERGROUND FIRE LINE, SPRINKLER SYSTEM, FIRE ALARM SYSTEM, STANDPIPE, FIRE PUMP ROOM, AND FIRE PROTECTION WATER SUPPLY SYSTEMS)

AUTOMATIC FIRE SPRINKLER SYSTEM/ALTERNATIVE AUTOMATIC FIRE EXTINGUISHING SYSTEM

ALL SPRINKLERS SHALL COMPLY WITH MONITORING AND OCCUPANT NOTIFICATION PER 903.4.2.1

(SECTION 903.4 IFC 2018)

PROVIDED AS NOTED ON: NOT REQUIRED PER SECTION 903

SYSTEM PROVIDED: SPRINKLER HEAD PROVIDED: FIRE PUMP PROVIDED:

NFPA 13 STANDARD YES

NFPA 13R ELO YES

NFPA 13D ESFR NO

OTHER: QUICK RESPONSE

FIRE DEPARTMENT ACCESS TO SPRINKLER CONTROLS:

SPRINKLER RISER ROOM OR POST INDICATOR VALVE SHOWN ON: (SECTION 901.4.6 IFC 2018) (RISER ROOM MUST BE ACCESSIBLE FROM AN EXTERIOR DOOR)

FDC SHOWN ON: (FDC SHALL BE REMOTE OF THE BUILDING, WITHIN 100' OF A FIRE HYDRANT)

SUPPRESSION SYSTEM PROVIDED (SECTION 904 IFC 2018)

REQUIRED AND SHOWN ON:

NOT REQUIRED

STANDPIPE SYSTEM & HOSE CONNECTIONS (SECTION 905 IFC 2018) (I.E. IN STAIRWAYS, STAGES, MALLS)

PROVIDED AS NOTED ON: TYPE OF SYSTEM PROVIDED: (CLASS I, II OR III)

NOT REQUIRED PER SECTION 905

PORTABLE FIRE EXTINGUISHERS (SECTION 906 IFC 2018)

PROVIDED AS NOTED ON: NUMBER PROVIDED: (HIGHLIGHT ON PLANS)

FIRE ALARM & DETECTION SYSTEMS (SECTION 907 IFC 2018)

FIRE ALARM SYSTEM (DEFERRED SUBMITTAL) DEDICATED FUNCTION (SPRINKLER MONITORING, ELEVATOR RECALL, PRE-ACTION, EMERGENCY ALARM, SMOKE CONTROL)

NOT REQUIRED PER SECTION 907

EMERGENCY VOICE EVACUATION

OTHER:

HVAC & AIR DISTRIBUTION SYSTEM CONTROLS (SECTION 606 IMC 2018)

SMOKE DETECTORS PROVIDED TO SHUT DOWN UNITS OVER 2,000 CFM PROVIDED ON:

NO HVAC UNITS OVER 2,000 CFM

FIRE/SMOKE DAMPERS IN THE BUILDING SHOWN ON:

NO FIRE/SMOKE DAMPERS IN THE BUILDING

SMOKE CONTROL SYSTEMS (SECTION 909 IFC 2018)

PROVIDED AS NOTED ON:

NOT REQUIRED PER SECTION 909

SMOKE & HEAT VENTILATION (SECTION 910 IFC 2018)

CALCULATIONS PROVIDED AS NOTED ON:

NOT REQUIRED PER SECTION 910

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

**5 FIRE-RESISTANCE RATE CONSTRUCTION**

CHAPTER 6, 7 AND 10 IBC 2018

SHOW DETAILS OF FIRE WALLS OR FIRE BARRIERS MEETING HORIZONTAL WALLS AND ROOF DECKS (SEE SECTION 706.5, 706.6 & 707.5 IBC 2018)

FIRE-RESISTANCE RATING REQUIREMENTS (TABLES 601 & 602 IBC 2018)

Table with columns: BUILDING ELEMENTS, HOURS REQUIRED, HOURS PROVIDED, UL OR IBC STANDARD USED & DESIGN DETAIL SHOWN ON.

**6 WATER SUPPLY (FOR FIREFIGHTING)**

CHAPTER 5, APPENDIX B & C IFC 2018

GROSS SIZE OF BUILDING IN SQUARE FEET (INCLUDE ALL OVERHANGS UNDER ROOF)

**FIRE HYDRANTS**

(FOR PROPOSED AND EXISTING FIRE HYDRANTS ONLY)

NUMBER OF HYDRANTS WITHIN 300 FT OF THE BUILDING (NON-SPRINKLED/SPRINKLED) OF

BUILDING: , SHOWN ON:

REQUIRED GPM: DURATION: (TABLE B105.1 IFC 2018)

75% REDUCTION? YES NO (MUST MAINTAIN MINIMUM PER TABLE B105.1.(1) OR B105.1.(2))

DESIGN SPECIFICATIONS AND LOCATIONS SHOULD MEET MINIMUM REQUIRED WATER SUPPLY FROM THE FIRE FLOW CALCULATOR NFPA 1142.

\*\*\*SUBMIT DRY HYDRANT DESIGN PLANS & CALCULATIONS TO FIRE PROTECTION FOR REVIEW & APPROVAL

**7 FIRE LANE ACCESS**

CHAPTER 5 & APPENDIX D IFC 2018; CHAPTER 82 DIV 2 COF ORDINANCES

FIRE LANE LAYOUT PLAN, WHICH SHALL INCLUDE THE SITE PLAN, THE FIRE LANE & FIRE HYDRANTS, IS SHOWN ON: (HIGHLIGHT THE FIRE HYDRANT LOCATIONS ON THE PLANS)

AERIAL ACCESS LAYOUT, FOR BUILDINGS OVER 30 FT, IS SHOWN ON:

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.

**8 INTERIOR FINISH**

CHAPTER 8 & TABLE 803.13 IBC 2018

Table with columns: OCCUPANCY GROUP, EXIT ENCLOSURES AND EXIT PASSAGEWAYS, CORRIDORS, ROOMS AND ENCLOSED SPACES, SHEET #.

**9 STORAGE: STANDARD & HIGH PILED**

CHAPTER 32 IFC 2018

PRODUCTS BEING STORED: STORAGE PACKAGING (I.E. PALLETS, RACKS, SOLID PILED, DRUMS, CARDBOARD BOXES, WRAPPED IN PLASTIC, ETC.):

MAXIMUM HEIGHT OF COMMODITY: \*\*\*THIS BUILDING IS DESIGNED FOR THE INTENT OF HIGH PILED STORAGE. IF YES, THEN PROVIDE:

FIRE DEPARTMENT ACCESS DOORS HIGH PILED STORAGE RACK LAYOUT/ELEVATIONS, CODE ANALYSIS, ETC. SHOWN ON:

**10 HAZARDOUS MATERIALS**

CHAPTER 50 IFC 2018; SECTION 5001.7 w/COF AMMENDMENTS

DOES THE BUILDING HAVE HAZARDOUS MATERIAL USE OR STORAGE? IF YES, THEN PROVIDE ALL HMIS SUMMARY AND MSDS REPORTS.

IF YES, DO THE QUANTITIES EXCEED THE MAXIMUM ALLOWABLE PER IFC 2018? IF YES, YOU WILL BE REQUIRED TO PROVIDE THE FOLLOWING:

CODE ANALYSIS BY FIRE PROTECTION ENGINEER TO SHOW COMPLIANCE WITH IFC 2018. CODES AND REFERENCED STANDARDS SHOWN ON SHEET(S)

**11 SPECIAL CONDITIONS**

PROPERTIES WITH FENCE AND GATES SHALL PROVIDE A KNOX KEY BOX/KEY SWITCH OR PADLOCK AT ENTRY GATE(S)

ATRIUM(S) PER 404 IBC 2018? PAINT SPRAY BOOTHS, COATINGS, DIPPING OR INDUSTRIAL OVENS USED PER 2404, 2405, 2406 AND CHAPTER 30 IFC 2018?

HIGH RISE BLDG PER 403 IBC 2018? ANY FUEL STORAGE TANKS PER 5704 IFC 2018?

HEALTH DEPARTMENT APPROVAL? REQUIRED FOR ALL ESTABLISHMENTS THAT SERVE/PREPARE FOOD AND BEVERAGES FOR THE PUBLIC OR HAVE REFRIGERATED FOOD STORAGE.

**COMMENTS & NOTES**

Blank area for comments and notes.

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

REVIEWER'S STAMP

Reviewer's stamp area.

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, DATED AND SEALED BY A PROFESSIONAL ENGINEER / ARCHITECT LICENSED TO PRACTICE IN THE STATE OF TEXAS, WHICH THEREFORE CONVEYS THE PROFESSIONAL'S 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

Table with columns: REVISIONS (DO NOT USE THIS BLOCK UNTIL AFTER PERMIT IS ISSUED), DATE, SHEET NO.(S), DESCRIPTION, REVIEWER, City of FW P.E.

FIRE CODE REVIEW SHEET NUMBER OF