1 BUILDING PLANNING & DESCRIPTION

☐ NEW CONSTRUCTION ☐ SHELL BUILDING
☐ TENNANT FINISH ☐ CHANGE OF OCCUPANCY
☐ SUBSTANTIAL IMPROVEMENT ☐ OTHER: _____

☐ SINGLE OCCUPANCY	MIXED OCCUPANCY ☐ SEPARATED USE	☐ NON-SEPARATED USE

(SECTION 508.3 OR 508.4 IBC 2012)

TYPE OF CONSTRUCTION: TYPE OF CONSTR. ___ *(CHAPTER 6 IBC 2012)*

HEIGHT LIMITATION: _____ AREA LIMITATION: _____ *(TABLE 503 IBC 2012)*

FRONTAGE INCREASE CALCULATIONS ARE SHOWN ON SHEET: _____

BUILDING VALUATION

ADDRESS: _____

LEGAL LOT: _____ SUBDIVISION_____

CITY, ST: _____ ZIP CODE: _____ SUITE: _____

YES ☐ NO ☐ FLOODPLAIN *IF YES, A FLOODPLAIN APPLICATION MUST BE APPROVED PRIOR TO PERMIT BEING ISSUED.

GROSS SQUARE FOOTAGE: _____ #OF FLOORS: _____ HEIGHT:_____

ESTIMATED COST OF CONSTRUCTION: $_____

WATER METER #1: METER SIZE METER #2 METER SIZE

THE PROJECT KNOWN AS
(MUST BE THE NAME OF BUSINESS)

_____

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.

_____
_____
_____
_____
_____

2 OCCUPANCY TYPE AND LOAD
CHAPTER 2, 3 & TABLE 1004.1.2 IBC 2012

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

OCCUPANCY CLASSIFICATION	SPECIFIC USE	SQUARE FOOTAGE	SF PER OCCUPANT	DESIGN OCCUPANTS
OCCUPANCY				
OCCUPANCY				
OCCUPANCY				
OCCUPANCY				
OCCUPANCY				
OCCUPANCY				
OCCUPANCY				
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OCCUPANCY				
OCCUPANCY				
OCCUPANCY				
OCCUPANCY				
OCCUPANCY				
OCCUPANCY				
OCCUPANCY				
OCCUPANCY				
TOTAL				

3 MEANS OF EGRESS
CHAPTER 10 IBC 2012

MEANS OF EGRESS	# OF REQUIRED EXITS	# OF EXITS PROVIDED	SHEET #
STAIRWAYS (PER FLOOR)			
EGRESS @ 1ST FL			

(SECTION 1005.3 IBC 2012)

PANIC HARDWARE ON EXIT DOORS? YES ☐ NO ☐ *(SECTION 1008.1.9 IBC 2012)*

STAIRWAYS *(SECTION 1009 IBC 2012)*

MINIMUM CLEAR WIDTH SHOWN ON: _____ *(EACH STAIRWELL)*

EGRESS WIDTHS ARE SHOWN ON: _____

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

(SECTION 1007.3 TO 1007.6 IBC 2012)

EXIT SIGNS/EGRESS ILLUMINATION *(SECTION 1006 & 1011 IBC 2012)*

REQUIRED AND SHOWN ON: _____ *(HIGHLIGHT ON PLANS)*

EXTERIOR EMERGENCY LIGHTING PROVIDED? YES ☐ NO ☐

EXIT TRAVEL DISTANCE *(TABLE 1016.2 IBC 2012)*

OCCUPANCY TYPE	MAX TRAVEL DISTANCE	PROVIDE TRAVEL DISTANCE	SHEET #

ELEVATORS

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

4 FIRE PROTECTION SYSTEMS
CHAPTER 9 IBC & IFC 2012

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
(SECTION 903 & SECTION 903.4 IFC 2012)

☐ PROVIDED AS NOTED ON: _____ ☐ NOT REQUIRED PER SECTION 903

SYSTEM PROVIDED:
☐ NFPA 13
☐ NFPA 13R
☐ NFPA 13D
☐ OTHER: _____

SPRINKLER HEAD PROVIDED:
☐ STANDARD
☐ ELO
☐ ESFR
☐ QUICK RESPONSE

FIRE DEPARTMENT ACCESS TO SPRINKLER CONTROLS:
☐ SPRINKLER RISER ROOM OR POST INDICATOR VALVE SHOWN ON: _____ *SHEET #*

☐ FDC SHOWN ON: _____ *(FDC SHALL COMPLY WITH SECTION 912 IFC 2012)*

SUPPRESSION SYSTEM PROVIDED *(SECTION 904 IFC 2012)*
☐ REQUIRED AND SHOWN ON: _____
☐ NOT REQUIRED

STANDPIPE SYSTEM & HOSE CONNECTIONS *(SECTION 905 IFC 2012)*
(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 2012)*
☐ PROVIDED AS NOTED ON: _____, NUMBER PROVIDED: _____ *(HIGHLIGHT ON PLANS)*

FIRE ALARM & DETECTION SYSTEMS *(SECTION 907)*
☐ FIRE ALARM SYSTEM (DEFERRED SUBMITTAL)
☐ NOT REQUIRED PER SECTION 907
☐ EMERGENCY VOICE EVACUATION
☐ OTHER: _____
☐ DEDICATED FUNCTION (SPRINKLER MONITORING, ELEVATOR RECALL, PRE-ACTION, EMERGENCY ALARM, SMOKE CONTROL)

HVAC & AIR DISTRIBUTION SYSTEM CONTROLS *(SECTION 907.2.13.1.2 IFC 2012)*
☐ 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 2012)(I.E. FOR HIGH RISE, ATRIUMS OR STAIRWAY PRESSURIZATION)*
☐ PROVIDED AS NOTED ON: _____
☐ NOT REQUIRED PER SECTION 909

SMOKE & HEAT VENTILATION *(SECTION 910 & TABLE 910.3 IFC 2012)*
☐ 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 2012

SHOW DETAILS OF FIRE WALLS OR FIRE BARRIERS MEETING HORIZONTAL WALLS AND ROOF DECKS
(SEE SECTION 706.5, 706.6 & 707.5 IBC 2012)

FIRE-RESISTANCE RATING REQUIREMENTS *(TABLES 601, 602 & 602.4 IBC 2012)*

BUILDING ELEMENTS	HOURS REQUIRED	HOURS PROVIDED	UL OR IBC STANDARD USED & DESIGN DETAIL SHOWN ON
STRUCTURAL FRAME			
EXTERIOR BEARING WALLS			
EXTERIOR NON-BEARING WALLS			
INTERIOR BEARING WALLS			
INTERIOR NON-BEARING WALLS			
FLOOR CONSTRUCTION			
ROOF CONSTRUCTION			
STAIRWELLS *(SECTION 1009)*			
ELEVATOR SHAFTS *(SECTION 713)*			
CORRIDORS *(SECTION 1018)*			
FIRE RATED DOORS *(TABLE 716.5)*			
DEMISING/PARTITION WALL *(SECTION 708)*			
FIRE BARRIER *(SECTION 707)*			
FIRE WALL *(SECTION 706)*			
DRAFTSTOPS: ☐ YES, SHOWN ON: _____ ☐ NO (SPRINKLED ATTIC) ☐ N/A *(SECTION 718.4)*			
HAVE YOU CHECKED WIDTH OF OPENINGS IN FIRE RATED WALLS? YES ☐ NO ☐ *(TABLE 705.8, SECTION 706.8 & 707.6 IBC 2012)*			

FIRE SEPARATION DISTANCE (FEET) *(SECTION 602 IBC 2012)*	NORTH	SOUTH	EAST	WEST

ROOF COVERING CLASSIFICATION PROVIDED: A ☐ B ☐ C ☐ *(TABLE 1505.1 IBC 2012)*

6 WATER SUPPLY (FOR FIREFIGHTING)
CHAPTER 5, APPENDIX B & C IFC 2012

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

PUBLIC WATER SUPPLY WITH FIRE HYDRANTS
(FOR PROPOSED AND EXISTING FIRE HYDRANTS ONLY)

NAME OF THE MUNICIPAL UTILITY DISTRICT: _____

NUMBER OF HYDRANTS WITHIN 400 FT (NON-SPRINKLED) OR 600 FT (SPRINKLED) OF BUILDING: _____, SHOWN ON: _____

REQUIRED GPM: _____ DURATION: _____ *(TABLE B105.1 IFC 2012)*

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

WATER SOURCE FOR RURAL AREAS WITHOUT FIRE HYDRANTS
(COMPLETE THE FIRE FLOW CALCULATOR)
☐ ***DRY HYDRANT ☐ UNDERGROUND STORAGE
☐ ABOVEGROUND STORAGE ☐ OTHER: _____

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

7 FIRE LANE ACCESS
CHAPTER 5 & APPENDIX D IFC 2012

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 803.9 IBC 2012

OCCUPANCY GROUP	EXIT ENCLOSURES AND EXIT PASSAGEWAYS	CORRIDORS	ROOMS AND ENCLOSED SPACES	SHEET #

9 STORAGE: STANDARD & HIGH PILED
CHAPTER 32 IFC 2012

YES ☐ NO ☐

PRODUCTS BEING STORED	SQUARE FOOTAGE	CLASS	PUBLICLY ACCESSIBLE
		CLASS	PUBLIC ACCESSIBLE
		CLASS	PUBLIC ACCESSIBLE
		CLASS	PUBLIC ACCESSIBLE
		CLASS	PUBLIC ACCESSIBLE

YES ☐ NO ☐ STORAGE PACKAGING *(I.E. PALLETS, RACKS, SOLID PILED, DRUMS, CARDBOARD BOXES, WRAPPED IN PLASTIC, ETC.)*: _____

YES ☐ NO ☐ MAXIMUM HEIGHT OF COMMODITY: _____

YES ☐ NO ☐ ***THIS BUILDING IS DESIGNED FOR THE INTENT OF HIGH PILED STORAGE. IF YES, THEN PROVIDE ALL DOCUMENTS LISTED IN (3201.3 2012 IFC)

YES ☐ NO ☐ SMOKE AND HEAT REMOVAL/DRAFT CURTAIN

YES ☐ NO ☐ FIRE DEPARTMENT ACCESS DOORS

YES ☐ NO ☐ HIGH PILED STORAGE RACK LAYOUT/ELEVATIONS, CODE ANALYSIS, ETC. SHOWN ON: _____

10 HAZARDOUS MATERIALS
CHAPTER 50 IFC 2012

YES ☐ NO ☐ ***THIS BUILDING IS DESIGNED FOR THE INTENT OF HAZARDOUS MATERIAL STORAGE. IF YES, THEN PROVIDE ALL HMIS SUMMARY AND MSDS REPORTS.

YES ☐ NO ☐ EMERGENCY ALARM SYSTEM REQUIRED PER SECTION 5004.9 IFC 2012

YES ☐ NO ☐ VENTILATION WITH EMERGENCY ALARM STAND BY POWER PER SECTION 5004.3 AND 5004.7 IFC 2012.

YES ☐ NO ☐ SPILL CONTROL AND SECONDARY CONTAINMENT PER SECTION 5004.2 IFC 2012

11 SPECIAL CONDITIONS

YES ☐ NO ☐ ATRIUM(S) PER 404 IBC 2012?
YES ☐ NO ☐ HIGH RISE BLDG PER 403 IBC 2012?
YES ☐ NO ☐ ANY FUEL STORAGE TANKS PER 5704 IFC 2012?
YES ☐ NO ☐ SEPTIC SYSTEM? SUBMIT PLANS TO WASTEWATER FOR REVIEW.
YES ☐ NO ☐ CRITICAL CARE FACILITIES
YES ☐ NO ☐ FIRE PUMP EMERGENCY STANDBY POWER PER 913.8 HC AMENDMENTS?

YES ☐ NO ☐ PAINT SPRAY BOOTHS, COATINGS, DIPPING OR INDUSTRIAL OVENS USED PER 2404, 2405, 2406 AND CHAPTER 30 IFC 2012?
YES ☐ NO ☐ HEALTH DEPARTMENT APPROVAL? REQUIRED FOR ALL ESTABLISHMENTS THAT SERVE/PREPARE FOOD
YES ☐ NO ☐ MEDICAL GAS PER 5306 IFC 2012?
YES ☐ NO ☐ OTHER: _____

COMMENTS & NOTES

_____
_____
_____

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

REVIEWER'S SIGNATURE BLOCK

PERMIT OFFICE

THIS DOCUMENT HAS BEEN REVIEWED. THIS PERMIT SHALL NOT GRANT APPROVAL TO VIOLATE ANY ORDINANCE OF THIS JURISDICTION, STATE, OR FEDERAL LAW. THIS PERMIT SHALL NOT PREVENT THE BUILDING OFFICAL FROM REQUIRING CONSTRUCTION TO BE IN COMPLIANCE WITH ALL APPLICABLE CODES.

SIGNITURE _____ DATE _____

CITY SEAL

COORDINATING PROFESSIONAL

I,_____, A LICENSED PROFESSIONAL ENGINEER/ARCHITECT IN THE STATE OF NEBRASKA DO HERBY CERTIFY THAT THE PROVIDED INFORMATION IS CORRECT TO THE BEST OF MY KNOWLEDGE. AS THE COORDINATING PROFESSIONAL, THE PROVIDED INFORMATION WAS GATHERED FROM THE PROJECTS PROFESSIOIAL DESIGN TEAM, IN ACORDANCE WITH THE NEBRASKA E & A ACT.

SIGNITURE _____ DATE _____

ARCHITECT/ENGINEER SEAL

City of Papillion (IFC 2012)

(http://www.papillion.org/182/Building-Department)

FIRE CODE DESIGN AND COMPLIANCE REVIEW SHEET

REVISIONS (DO NOT USE THIS BLOCK UNTIL AFTER PERMIT IS ISSUED)

DATE	SHEET NO.(S)	DESCRIPTION	REVIEWER	DESIGN PROFESSIONAL