1 BUILDING PLANNING & DESCRIPTION

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

SINGLE OCCUPANCY	MIXED OCCUPANCY		
	SEPARATED USE	NON-SEPARATED USE	

(SECTION 508.3 OR 508.4 IBC 2021)

TYPE OF CONSTRUCTION: IIB *(CHAPTER 6 IBC 2021)*

HEIGHT LIMITATION: _____ AREA LIMITATION: _____ *(TABLES 504.3, 504.4, 506.2 IBC 2021)*

FRONTAGE INCREASE CALCULATIONS ARE SHOWN ON SHEET: _____

BUILDING VALUATION

BUILDING NUMBER: _____ OF _____

ADDRESS: 21201 MORTON ROAD

CITY, ST: KATY, TEXAS ZIP CODE: 77449 SUITE: _____

CALL CENTERPOINT ENERGY AHEAD OF TIME, AT 713-207-4460, TO OBTAIN AN ADDRESS

HCAD #. OR PROPERTY TAX #: 1373670010001 (13 DIGITS)
(http://www.hcad.org)

BUILDING LOCATED IN FLOODPLAIN: X-UNSHADED ____ 500-YR ____ 100-YR ____ OTHER ____
BFE _____ FFE _____ NG _____

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

ESTIMATED COST OF CONSTRUCTION: $ 699,000

T.D.L.R #: TABS2026012484 *(REQUIRED FOR CONSTRUCTION OVER $50,000)*
TEXAS DEPARTMENT OF LICENSING AND REGULATIONS
(https://www.tdlr.texas.gov/ab/ab.htm)
TELEPHONE: (512) 463-6599 TOLL FREE (IN TEXAS): 800-803-9202
FAX: (512) 475-2871 RELAY TEXAS-TDD: 800-735-2989

SHELL BUILDING PERMIT #: _____ CIVIL PROJECT #: _____

PUBLIC UTILITIES: YES [ ] NO [ ]

OSSF : YES [ ] NO [ ] PROJECT/PERMIT #: _____

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.

THE SECOND FLOOR REMODEL WILL COMPRISE OFFICES, SHOWERS, SIMULATION TRAINING LAB.

2 OCCUPANCY TYPE AND LOAD
CHAPTER 2, 3 & TABLE 1004.5 IBC 2021

BREAK DOWN AREAS AND OCCUPANT LOADS PER FLOOR

OCC. CLASS	AREA SPECIFIC USE	GROSS SF	NET SF	SF PER OCC.	DESIGN OCC.
TOTAL NET			2,714		
TOTAL GROSS					

3 MEANS OF EGRESS
CHAPTER 10 IBC 2021

MEANS OF EGRESS	# OF REQUIRED EXITS	# OF EXITS PROVIDED	SHEET #
STAIRWAYS (PER FLOOR)			
EGRESS @ 1ST FL OR LSBO	2	3	A-1.10

(SECTIONS 1005 & 1006 IBC 2021)

PANIC HARDWARE ON EXIT DOORS? YES [X] NO [ ] *(SECTION 1010.2.9 IBC 2021)*

STAIRWAYS *(SECTION 1011 IBC 2021)*

STAIR DETAILS AND EGRESS WIDTHS SHOWN ON: EXISTING

EXIT SIGNS/EGRESS ILLUMINATION *(SECTIONS 1008 & 1013 IBC 2021)*

REQUIRED AND SHOWN ON: A-4.10 *(HIGHLIGHT ON PLANS)*

EXTERIOR MEANS OF EGRESS LIGHTING PROVIDED? YES [ ] *(SECTION 1008 IBC 2021)*

EXIT TRAVEL DISTANCE *(SECTION 1017 IBC 2021)*

OCCUPANCY TYPE	MAX TRAVEL DISTANCE	PROVIDE TRAVEL DISTANCE	SHEET #

ELEVATORS

NEW [ ] EXISTING [ ] ELEVATOR HOISTWAY IBC SECTION 3006.2.1? YES [ ] NO [ ]

ELEVATOR KEYBOX LOCATED IN LOBBY? YES [ ] NO [ ]

4 FIRE PROTECTION & LIFE SAFETY SYS.
CHAPTER 9 IFC & IBC 2021

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 **SECTION 903 IFC 2021**

ALL SPRINKLERS SHALL COMPLY WITH MONITORING AND OCCUPANT NOTIFICATION PER 903.4.2.1 **SECTION 903.4.1 IFC 2021 AMENDMENTS**

[ ] 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 PUMP PROVIDED:
- [ ] YES
- [ ] NO

FIRE PUMP SEPARATION: SEE SECTION 913.2.1 IFC 2021

FIRE DEPARTMENT ACCESS TO SPRINKLER CONTROLS:
- [ ] SPRINKLER RISER ROOM OR POST INDICATOR VALVE SHOWN ON: _____ *(SECTION 901.4.7 HC AMENDMENTS IFC 2021)*
- [ ] FDC SHOWN ON: _____ *(FDC SHALL COMPLY WITH SECTION 912 IFC 2021)*

ALTERNATIVE AUTOMATIC FIRE-EXTINGUISHING SYSTEMS *(SECTION 904 IFC 2021)*
- [ ] REQUIRED AND SHOWN ON: _____
- [ ] NOT REQUIRED

STANDPIPE SYSTEM & HOSE CONNECTIONS *(SECTION 905 IFC 2021)*
(I.E. IN STAIRWAYS, STAGES, MALLS)
- [ ] PROVIDED AS NOTED ON: _____, TYPE OF SYSTEM PROVIDED: _____ *(CLASS I, II OR III)*
- [ ] NOT REQUIRED

PORTABLE FIRE EXTINGUISHERS *(SECTION 906 IFC 2021)*
- [ ] PROVIDED AS NOTED ON: _____, NUMBER PROVIDED: _____ *(HIGHLIGHT ON PLANS)*

FIRE ALARM & DETECTION SYSTEMS *(SECTION 907 HC AMENDMENTS IFC 2021)*
- [ ] FIRE ALARM SYSTEM (DEFERRED SUBMITTAL)
- [ ] NOT REQUIRED
- [ ] EMERGENCY VOICE EVACUATION
- [ ] OTHER: _____
- [ ] ELEVATOR RECALL
- [ ] GAS DETECTION SYSTEM SECTION 916

HVAC & AIR DISTRIBUTION SYSTEM CONTROLS *(SECTION 907.3.1 IFC 2021)*
- [ ] SMOKE DETECTORS PROVIDED TO SHUT DOWN UNITS OVER 2,000 CFM PROVIDED ON: EXISTING
- [ ] NO HVAC UNITS OVER 2,000 CFM
- [ ] FIRE/SMOKE DAMPERS IN THE BUILDING SHOWN ON: _____
- [ ] NO FIRE/SMOKE DAMPERS IN THE BUILDING

SMOKE CONTROL SYSTEM *(SECTION 909 IFC 2021)*
- [ ] PROVIDED AS NOTED ON: _____
- [ ] NOT REQUIRED

SMOKE & HEAT VENTILATION *(SECTION 910 IFC 2021)*
- [ ] CALCULATIONS PROVIDED AS NOTED ON: _____
- [ ] NOT REQUIRED

ENHANCED RESPONDER COMMUNICATIONS COVERAGE SYSTEM (ERCCS)
- [ ] PROVIDED AS NOTED ON: _____ *(SECTION 510 HC AMENDMENTS)*
- [ ] NOT REQUIRED

5 FIRE-RESISTANCE RATE CONSTRUCTION
CHAPTERS 6, 7 AND 10 IBC 2021

*Provide section details on the plans showing compliance for any proposed fire rated construction (walls, partitions, floors, roof, etc.).
*Please reference and provide standard for the rated design.

FIRE-RESISTANCE RATING REQUIREMENTS *TABLE 601 & PROPOSED OR REQUIRED CONSTRUCTION PER IBC 2021*

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 1023)*			
ELEVATOR SHAFTS *(SECTION 713)*			
CORRIDORS *(SECTION 1020)*			
FIRE RATED DOORS *(TABLE 716.1(2))*			
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)*

FIRE SEPARATION DISTANCE (FEET) *(SECTION 602 IBC 2021)*	NORTH	SOUTH	EAST	WEST

ROOF COVERING CLASSIFICATION PROVIDED: A [ ] B [ ] C [ ] *(TABLE 1505.1 IBC 2021)*

6 WATER SUPPLY (FOR FIREFIGHTING)
CHAPTER 5, APPENDIX B & C IFC 2018

_____ 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: _____

OR

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

REQUIRED GPM: _____ DURATION: _____ *(TABLE B105.1(2) IFC 2021)*

75% REDUCTION? YES [ ] NO [ ] *(MUST MAINTAIN MINIMUM PER TABLE B105.2 IFC 2021)*

WATER SOURCE FOR RURAL AREAS WITHOUT FIRE HYDRANTS
- [ ] ***DRY HYDRANT
- [ ] ABOVEGROUND STORAGE
- [ ] UNDERGROUND STORAGE
- [ ] OTHER: _____
- [ ] PRIVATE HYDRANT

DESIGN SPECIFICATIONS AND LOCATIONS SHOULD MEET MINIMUM REQUIRED WATER SUPPLY IN ACCORDANCE WITH SECTION B103.3 IN THE HARRIS COUNTY FIRE CODE. THE FIRE CODE OFFICIAL IS AUTHORIZED TO UTILIZE NFPA 1142 OR THE INTERNATIONAL WILDLAND-URBAN INTERFACE CODE.

7 FIRE LANE ACCESS
CHAPTER 5, APPENDIX D IFC 2021

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.

[ ] GATES AND BARRICADES ACROSS THE FIRE ACCESS ROAD
PROPERTIES WITH FENCE AND GATES SHALL PROVIDE A 911 KEY BOX AT ENTRY GATE.

8 INTERIOR FINISH
CHAPTER 8, TABLE 803.13 IBC 2021

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

9 STORAGE: STANDARD

YES [ ] NO [ ] PRODUCTS BEING STORED: _____

YES [ ] NO [ ] STORAGE METHOD *(I.E. RACKS, PALLETS ON FLOOR, ETC.)*: _____
STORAGE LAYOUT SHOWN ON: _____

YES [ ] NO [ ] MAXIMUM HEIGHT STORAGE: _____

10 STORAGE: HIGH PILED
CHAPTER 32 IFC 2021 - SEE ALSO SECTION 3201.3 & HC AMENDMENTS IFC 2021
***DEFERRED SUBMITTAL THAT MUST BE SUBMITTED WITHIN 180 DAYS OF ORIGINAL PERMITTING.**

YES [ ] NO [X] PRODUCTS BEING STORED: _____

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

YES [ ] NO [X] MAXIMUM HEIGHT OF COMMODITY: _____

YES [ ] NO [X] ***THIS BUILDING IS DESIGNED FOR THE INTENT OF HIGH PILED STORAGE. IF YES, THEN PROVIDE HIGH PILED STORAGE FORM FOUND ON HC WEBSITE

YES [ ] NO [X] FIRE DEPARTMENT ACCESS DOORS

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

11 HAZARDOUS MATERIALS
CHAPTER 50 IFC 2021 - SEE ALSO SECTION 5001.7 HC AMENDMENTS IFC 2021
HMIS FORM FOUND ON HC WEBSITE.

YES [ ] NO [X] DOES THE BUILDING HAVE HAZARDOUS MATERIAL USE OR STORAGE? IF YES, THEN PROVIDE ALL HMIS SUMMARY AND MSDS REPORTS.

YES [ ] NO [X] IF YES, DO THE QUANTITIES EXCEED THE MAXIMUM ALLOWABLE PER IFC 2021?

IF YES, YOU WILL BE REQUIRED TO PROVIDE THE FOLLOWING:
CODE ANALYSIS BY FIRE PROTECTION ENGINEER TO SHOW COMPLIANCE WITH IFC 2021.
CODES AND REFERENCED STANDARDS SHOWN ON SHEET(S) _____

12 SPECIAL CONDITIONS

YES [ ] NO [X] ATRIUM(S) SECTION 404 IBC 2021

YES [ ] NO [X] HIGH RISE BLDG
SECTION 403 IBC 2021 & 914.3 IFC 2021

YES [ ] NO [X] ANY FUEL STORAGE TANKS
CHAPTERS 23, 50, 57 IFC 2021

YES [ ] NO [X] CRITICAL FACILITIES (HARRIS COUNTY SECTION 1203.2.20 HC AMENDMENTS IFC 2021)

YES [ ] NO [X] COMPRESSED GASES
CHAPTERS 53,58 IFC 2021

YES [ ] NO [X] CRYOGENIC FLUIDS CHAPTER 55 IFC 2021

YES [ ] NO [X] FLAMMABLE & COMBUSTIBLE LIQUIDS
CHAPTERS 50 & 57 IFC 2021

YES [ ] NO [X] PAINT SPRAY BOOTHS, COATINGS, DIPPING OR INDUSTRIAL OVENS USED
CHAPTERS 24 & 30 IFC 2021

YES [ ] NO [X] HEALTH DEPARTMENT APPROVAL?
REQUIRED FOR ALL ESTABLISHMENTS THAT SERVE/PREPARE FOOD AND BEVERAGES FOR THE PUBLIC OR HAVE REFRIGERATED FOOD STORAGE.

YES [ ] NO [X] LP GAS CHAPTER 61 IFC 2021

YES [ ] NO [X] PROPOSING PHASED PERMITS
PHASING PLAN SHOWN ON: _____

YES [ ] NO [X] OTHER: _____

COMMENTS & NOTES

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

PROJECT NUMBER:

THE PROJECT KNOWN AS
(MUST BE THE NAME OF BUSINESS/DBA IF BUILDING IS FOR A SPECIFIC COMPANY)

_____

WAS ACCEPTED BY HARRIS COUNTY FOR THE PURPOSES LISTED BELOW:

REVIEWER'S SIGNATURE BLOCK

PERMIT OFFICE

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 DEVELOPMENT.

HCED REVIEW:

CERTIFICATION

I, THOMAS B. BAIKER, 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

Digitally signed by Tom Baiker
DN: cn=Tom Baiker, o=S.L.I. Group, Inc, ou, email=Tbaiker@sligroup.com, c=US
Date: 2026.02.13 15:31:47 -06'00'

SIGNATURE DATE

HARRIS COUNTY (IFC & IBC 2021)
FIRE CODE DESIGN AND COMPLIANCE REVIEW SHEET VERSION 9.0 (MAY 2025)

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

DATE	SHEET NO.(S)	DESCRIPTION	REVIEWER

FIRE CODE REVIEW

SHEET NUMBER
1 OF 1