



## FIRE PLAN REVIEW CHECKLIST

### COMMERCIAL PROJECTS - INTAKE AND SUBMITTAL GUIDE

#### Based on IFC 2021 and IBC 2021

This checklist identifies the minimum information that shall be included with permit applications for commercial projects requiring Fire plan review. It is intended to be issued at permit application so applicants can assemble complete submittals before review starts. Fire alarm, fire sprinkler, standpipe, and special suppression systems are deferred submittals and require separate permits and separate plan review submittals. Submittals will be rejected if this form is not filled out and turned in.

#### **THE FOLLOWING INFORMATION MUST BE PRESENT WITHIN THE SUBMITTAL DOCUMENTS FOR PLAN REVIEW TO COMMENCE:**

- Complete cover sheet with project name, project address, suite/tenant space, permit number if assigned, owner, tenant, design team, and contractor contact information.
- Scope of work clearly identified as new building, shell only, tenant improvement, addition, remodel, change of occupancy, change of use, phased project, or deferred system submittal.
- Code analysis identifying occupancy classification, mixed occupancy method, construction type, building height, number of stories, area, allowable area, sprinkler status, and occupant load.
- Life safety plan identifying exit paths, occupant loads, travel distance, common path, dead ends, exit width, exit signs, emergency lighting, areas of refuge if applicable, and accessible means of egress.
- Site plan identifying fire department access roads, fire lanes, hydrants, fire department connections, post indicator valves, fire water mains, gates, Knox access, and aerial access where required.
- Architectural, structural, mechanical, electrical, and plumbing sheets submitted as applicable to the project scope.
- For additions, remodels, and tenant improvements, the limits of new work and any existing conditions affecting life safety or fire protection are clearly identified.
- For existing buildings, identify the code path used for the design when applicable and show existing and proposed conditions needed to evaluate compliance.

Occupancy-specific information and process descriptions are provided where special hazards, hazardous materials, storage, manufacturing, energy systems, or cooking operations are proposed.

**DEFERRED SUBMITTALS - SEPARATE PLAN REVIEW REQUIRED:**

- Fire Alarm System - IFC 907 / NFPA 72
- Automatic Fire Sprinkler System - IFC 903 / NFPA 13, 13R, or 13D as applicable
- Standpipe System - IFC 905 / NFPA 14
- Special Suppression Systems - IFC 904
- Commercial Kitchen Hood and Duct Suppression - IFC 904 / IFC 609 / NFPA 96
- Fire Pump Systems - IFC 913 / NFPA 20
- Smoke Control Systems - IFC 909
- Emergency Responder Radio Coverage Systems, where required by adopted standard or policy
- Any other fire protection or life safety system identified as a deferred submittal on the approved building permit plans

**PLAN REVIEW DISPOSITION:**

- Accepted for Review
- Rejected as Incomplete
- Approved
- Approved with Corrections
- Revise and Resubmit

## GENERAL SUBMITTAL AND CODE ANALYSIS

#	Requirement / Submittal Item	Code	✓	N/A
1	Scope of work and phased work narrative clearly describes all work included in the permit application.	IBC 107	<input type="checkbox"/>	<input type="checkbox"/>
2	Project address, suite or tenant identifier, and floor level are shown on plans.	IBC 107	<input type="checkbox"/>	<input type="checkbox"/>
3	Occupancy classification for each space is identified.	IBC Ch. 3	<input type="checkbox"/>	<input type="checkbox"/>
4	Mixed occupancy method is identified as accessory, nonseparated, or separated.	IBC 508	<input type="checkbox"/>	<input type="checkbox"/>
5	Type of construction is identified.	IBC Ch. 6	<input type="checkbox"/>	<input type="checkbox"/>
6	Building height, number of stories, and story above grade plane are identified.	IBC 504	<input type="checkbox"/>	<input type="checkbox"/>
7	Actual building area and allowable area are provided.	IBC 506	<input type="checkbox"/>	<input type="checkbox"/>
8	Occupant load calculations are provided for each room or space.	IBC 1004	<input type="checkbox"/>	<input type="checkbox"/>
9	Fire protection systems present in the building are identified.	IFC 901	<input type="checkbox"/>	<input type="checkbox"/>
10	Special occupancy or special use conditions are identified.	IBC Ch. 4 / IFC applicable chapters	<input type="checkbox"/>	<input type="checkbox"/>
11	Plans are legible, scaled, and coordinated across disciplines.	IBC 107	<input type="checkbox"/>	<input type="checkbox"/>
12	Details and schedules needed to evaluate fire and life safety compliance are included.	IBC 107	<input type="checkbox"/>	<input type="checkbox"/>

## SITE PLAN, ACCESS, AND WATER SUPPLY

#	Requirement / Submittal Item	Code	✓	N/A
13	Fire apparatus access roads are shown on the site plan.	IFC 503	<input type="checkbox"/>	<input type="checkbox"/>
14	Access road width, vertical clearance, and turning radius are shown.	IFC 503.2.1, 503.2.4	<input type="checkbox"/>	<input type="checkbox"/>
15	Access roads reach within 150 feet of all portions of the exterior walls at ground level.	IFC 503.1.1	<input type="checkbox"/>	<input type="checkbox"/>
16	Additional access roads are provided where required by building size, configuration, or access limitations.	IFC 503.1.2	<input type="checkbox"/>	<input type="checkbox"/>
17	Dead-end fire apparatus access roads include approved turnarounds.	IFC 503.2.5	<input type="checkbox"/>	<input type="checkbox"/>
18	Grades are identified where needed to verify apparatus access.	IFC 503.2.7	<input type="checkbox"/>	<input type="checkbox"/>
19	Fire lanes are identified and signed/marked where required.	IFC 503.3	<input type="checkbox"/>	<input type="checkbox"/>
20	Gates, barriers, and access control devices are identified and fire department access method is shown.	IFC 503.6 / 506	<input type="checkbox"/>	<input type="checkbox"/>
21	Aerial fire apparatus access road is shown where required by building height and wall length.	IFC D105	<input type="checkbox"/>	<input type="checkbox"/>
22	Fire hydrants and private fire service mains are shown.	IFC 507.5 / 507.2.1	<input type="checkbox"/>	<input type="checkbox"/>
23	Required fire flow is identified.	IFC 507.3 / Appendix B	<input type="checkbox"/>	<input type="checkbox"/>

24	Hydrant spacing and hose lay coverage are shown where needed to verify compliance.	IFC 507.5.1 / Appendix C	<input type="checkbox"/>	<input type="checkbox"/>
25	Hydrant located within 100 feet of the fire department connection where applicable.	IFC 507.5.1.1	<input type="checkbox"/>	<input type="checkbox"/>
26	Vehicle impact protection is shown for hydrants, FDCs, and exposed fire protection equipment where subject to impact.	IFC 312	<input type="checkbox"/>	<input type="checkbox"/>
27	Fire department connection, post indicator valve, and other exterior fire protection appurtenances are shown and accessible.	IFC 912 / 903 / 905	<input type="checkbox"/>	<input type="checkbox"/>

## LIFE SAFETY AND MEANS OF EGRESS

#	Requirement / Submittal Item	Code	✓	N/A
28	Exit access, exits, and exit discharge are clearly shown on life safety plans.	IBC Ch. 10	<input type="checkbox"/>	<input type="checkbox"/>
29	Required number of exits is provided for each story and space.	IBC 1006	<input type="checkbox"/>	<input type="checkbox"/>
30	Exit width calculations are provided where needed.	IBC 1005	<input type="checkbox"/>	<input type="checkbox"/>
31	Exit separation is shown where two or more exits are required.	IBC 1007.1.1	<input type="checkbox"/>	<input type="checkbox"/>
32	Common path of egress travel is shown where applicable.	IBC 1006.2.1	<input type="checkbox"/>	<input type="checkbox"/>
33	Exit access travel distance is shown where applicable.	IBC 1017	<input type="checkbox"/>	<input type="checkbox"/>
34	Dead-end corridor lengths are shown where applicable.	IBC 1020.4	<input type="checkbox"/>	<input type="checkbox"/>
35	Corridor ratings and corridor widths are identified where applicable.	IBC 1020	<input type="checkbox"/>	<input type="checkbox"/>
36	Door swing, width, maneuvering, and locking/latching arrangements are shown.	IBC 1010	<input type="checkbox"/>	<input type="checkbox"/>
37	Panic hardware or fire exit hardware is identified where required.	IBC 1010.1.10	<input type="checkbox"/>	<input type="checkbox"/>
38	Exit signs are shown.	IBC 1013	<input type="checkbox"/>	<input type="checkbox"/>
39	Egress illumination and emergency lighting are shown.	IBC 1008	<input type="checkbox"/>	<input type="checkbox"/>
40	Accessible means of egress and areas of refuge are shown where required.	IBC 1009	<input type="checkbox"/>	<input type="checkbox"/>
41	Interior stairs, ramps, handrails, and guards are detailed where applicable.	IBC 1011, 1012, 1014, 1015	<input type="checkbox"/>	<input type="checkbox"/>
42	Assembly seating, aisles, and occupant load posting are shown where applicable.	IBC 1029 / 1004.9	<input type="checkbox"/>	<input type="checkbox"/>

## FIRE-RESISTANCE-RATED CONSTRUCTION AND INTERIOR FINISHES

#	Requirement / Submittal Item	Code	✓	N/A
43	Required fire-resistance ratings are identified for structural elements.	IBC Table 601	<input type="checkbox"/>	<input type="checkbox"/>
44	Exterior wall ratings are identified based on fire separation distance.	IBC 602 / Table 602	<input type="checkbox"/>	<input type="checkbox"/>
45	Exterior wall opening protection and percentage of openings are shown where applicable.	IBC 705.8	<input type="checkbox"/>	<input type="checkbox"/>

46	Fire walls, fire barriers, smoke barriers, fire partitions, and horizontal assemblies are identified.	IBC 706, 707, 709, 708, 711	<input type="checkbox"/>	<input type="checkbox"/>
47	Shaft enclosures and continuity are shown where applicable.	IBC 713	<input type="checkbox"/>	<input type="checkbox"/>
48	Penetration firestopping and fire-resistant joint systems are identified where applicable.	IBC 714, 715	<input type="checkbox"/>	<input type="checkbox"/>
49	Opening protectives, rated glazing, and fire door assemblies are identified.	IBC 716	<input type="checkbox"/>	<input type="checkbox"/>
50	Concealed spaces, draftstopping, and fireblocking are identified where applicable.	IBC 718	<input type="checkbox"/>	<input type="checkbox"/>
51	Interior wall and ceiling finish classifications are identified where required.	IBC 803	<input type="checkbox"/>	<input type="checkbox"/>
52	Floor finish classifications are identified where required.	IBC 804	<input type="checkbox"/>	<input type="checkbox"/>

### MECHANICAL, ELECTRICAL, BUILDING SERVICES, AND ELEVATORS

#	Requirement / Submittal Item	Code	✓	N/A
53	Fire dampers and smoke dampers are shown where required.	IBC 717 / IMC 607	<input type="checkbox"/>	<input type="checkbox"/>
54	Air handling systems over threshold capacities include required duct smoke detection and shutdown provisions where applicable.	IMC 606	<input type="checkbox"/>	<input type="checkbox"/>
55	Stair pressurization, smoke control, or smoke exhaust systems are identified where applicable.	IBC 909 / IMC applicable sections	<input type="checkbox"/>	<input type="checkbox"/>
56	Commercial cooking hoods, ducts, exhaust, and make-up air are shown where applicable.	IFC 609 / IMC 506, 507	<input type="checkbox"/>	<input type="checkbox"/>
57	Emergency or standby power system components affecting life safety are identified.	IBC 2702 / IFC 1203 / IFC applicable sections	<input type="checkbox"/>	<input type="checkbox"/>
58	Elevator emergency operation, machine room protection, and associated fire protection features are shown where applicable.	IBC 3002-3007 / IFC 607	<input type="checkbox"/>	<input type="checkbox"/>
59	Fuel-fired appliances and other building service equipment affecting fire safety are identified.	IFC 603	<input type="checkbox"/>	<input type="checkbox"/>

### FIRE PROTECTION SYSTEM REQUIREMENTS SHOWN ON BUILDING PERMIT SET

#	Requirement / Submittal Item	Code	✓	N/A
60	Automatic sprinkler system requirement is identified.	IFC 903.2	<input type="checkbox"/>	<input type="checkbox"/>
61	Alternative automatic fire-extinguishing systems are identified where proposed or required.	IFC 904	<input type="checkbox"/>	<input type="checkbox"/>
62	Standpipe requirement is identified.	IFC 905	<input type="checkbox"/>	<input type="checkbox"/>

63	Portable fire extinguisher locations are shown where applicable to building permit review.	IFC 906	<input type="checkbox"/>	<input type="checkbox"/>
64	Fire alarm and detection system requirement is identified.	IFC 907	<input type="checkbox"/>	<input type="checkbox"/>
65	Emergency voice/alarm communication system requirement is identified where applicable.	IFC 907.5.2	<input type="checkbox"/>	<input type="checkbox"/>
66	Smoke control system requirement is identified where applicable.	IFC 909	<input type="checkbox"/>	<input type="checkbox"/>
67	Smoke and heat venting requirement is identified where applicable.	IFC 910	<input type="checkbox"/>	<input type="checkbox"/>
68	Fire command center requirement is identified where applicable.	IFC 508 / IBC 911	<input type="checkbox"/>	<input type="checkbox"/>
69	Fire pump requirement is identified where applicable.	IFC 913	<input type="checkbox"/>	<input type="checkbox"/>
70	Emergency responder radio coverage requirement is identified where applicable.	IFC 510	<input type="checkbox"/>	<input type="checkbox"/>

### DEFERRED SUBMITTAL - FIRE ALARM SYSTEM

#	Requirement / Submittal Item	Code	✓	N/A
A1	Separate fire alarm permit submitted.	IFC 907	<input type="checkbox"/>	<input type="checkbox"/>
A2	Plans prepared and submitted by qualified contractor/designer as required by jurisdiction.	Local policy / IFC 907	<input type="checkbox"/>	<input type="checkbox"/>
A3	Contractor/Designer qualifications included.	IFC 907	<input type="checkbox"/>	<input type="checkbox"/>
A4	Floor plans show all initiating devices, notification appliances, control units, power supplies, and annunciators.	NFPA 72	<input type="checkbox"/>	<input type="checkbox"/>
A5	Riser diagram is provided.	NFPA 72	<input type="checkbox"/>	<input type="checkbox"/>
A6	Sequence of operations / input-output matrix is provided.	NFPA 72	<input type="checkbox"/>	<input type="checkbox"/>
A7	Device candela, appliance type, and circuit identification are shown.	NFPA 72	<input type="checkbox"/>	<input type="checkbox"/>
A8	Voltage drop calculations are provided.	NFPA 72	<input type="checkbox"/>	<input type="checkbox"/>
A9	Battery standby calculations are provided.	NFPA 72	<input type="checkbox"/>	<input type="checkbox"/>
A10	Monitoring / supervising station connection is identified.	NFPA 72	<input type="checkbox"/>	<input type="checkbox"/>
A11	System interfaces are identified, including duct shutdown, elevator recall, door release, suppression release, smoke control, and mass notification if applicable.	NFPA 72	<input type="checkbox"/>	<input type="checkbox"/>
A12	Ceiling heights and construction features affecting detector spacing are shown.	NFPA 72	<input type="checkbox"/>	<input type="checkbox"/>

### DEFERRED SUBMITTAL - FIRE SPRINKLER SYSTEM

#	Requirement / Submittal Item	Code	✓	N/A
S1	Separate fire sprinkler permit submitted.	IFC 903	<input type="checkbox"/>	<input type="checkbox"/>
S2	Applicable design standard is identified (NFPA 13, 13R, or 13D, as applicable).	IFC 903.3	<input type="checkbox"/>	<input type="checkbox"/>
S3	Plans prepared and submitted by qualified contractor/designer as required by jurisdiction.	IFC 903	<input type="checkbox"/>	<input type="checkbox"/>
S4	Contractor/Designer qualifications included.	IFC 903	<input type="checkbox"/>	<input type="checkbox"/>
S5	Occupancy / hazard classification for each area is identified.	NFPA 13	<input type="checkbox"/>	<input type="checkbox"/>

S6	Water supply information and most recent flow test data are provided.	NFPA 13 / IFC 507	<input type="checkbox"/>	<input type="checkbox"/>
S7	Hydraulic calculations are provided when required.	NFPA 13	<input type="checkbox"/>	<input checked="" type="checkbox"/>
S8	Floor plans show sprinkler layout, piping, hanger information where required by submittal standard, and obstructions affecting coverage.	NFPA 13	<input type="checkbox"/>	<input type="checkbox"/>
S9	Riser diagram is provided.	NFPA 13	<input type="checkbox"/>	<input type="checkbox"/>
S10	Control valves, check valves, backflow, inspector's test, drain, and alarm devices are shown.	NFPA 13	<input type="checkbox"/>	<input type="checkbox"/>
S11	Fire department connection (FDC) location is identified and coordinated with site plan (Buildings over 20,000 sf require remote FDC)	IFC 912	<input type="checkbox"/>	<input type="checkbox"/>
S12	Attic, concealed spaces, exterior projections, canopies, and special areas are addressed where applicable.	NFPA 13 / IFC 903	<input type="checkbox"/>	<input type="checkbox"/>
S13	Dry, preaction, ESFR, CMSA, foam-water, or other special system criteria are addressed where applicable.	NFPA 13 / IFC 904	<input type="checkbox"/>	<input type="checkbox"/>
S14	A Leve U Fire Protection Sprinkler Contractor license is provided for underground portions of fire sprinkler system.	WSP	<input type="checkbox"/>	<input type="checkbox"/>

#### DEFERRED SUBMITTAL - STANDPIPE SYSTEM

#	Requirement / Submittal Item	Code	✓	N/A
SP1	Separate standpipe permit application submitted, or standpipe included as part of coordinated deferred sprinkler submittal where allowed.	IFC 905	<input type="checkbox"/>	<input type="checkbox"/>
SP2	Standpipe class and type are identified.	IFC 905 / NFPA 14	<input type="checkbox"/>	<input type="checkbox"/>
SP3	Hose valve locations and roof manifold where required are shown.	NFPA 14	<input type="checkbox"/>	<input type="checkbox"/>
SP4	Hydraulic criteria and system zoning are provided where required.	NFPA 14	<input type="checkbox"/>	<input type="checkbox"/>
SP5	FDC connection to standpipe system is shown.	NFPA 14 / IFC 912	<input type="checkbox"/>	<input type="checkbox"/>

#### DEFERRED SUBMITTAL - SPECIAL SUPPRESSION SYSTEMS

#	Requirement / Submittal Item	Code	✓	N/A
SS1	Separate permit application submitted for special suppression system.	IFC 904	<input type="checkbox"/>	<input type="checkbox"/>
SS2	System type and design basis are identified.	IFC 904	<input type="checkbox"/>	<input type="checkbox"/>
SS3	Protected hazard, nozzle layout, agent quantity, and discharge characteristics are provided.	IFC 904	<input type="checkbox"/>	<input type="checkbox"/>
SS4	System detection, actuation, alarms, interlocks, and shutdown functions are provided.	IFC 904 / NFPA applicable standard	<input type="checkbox"/>	<input type="checkbox"/>
SS5	Manual actuation, abort, signage, and post-discharge safety provisions are provided where required.	IFC 904 / NFPA	<input type="checkbox"/>	<input type="checkbox"/>

		applicable standard		
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### SPECIAL HAZARD MODULE - HAZARDOUS MATERIALS AND CONTROL AREAS

#	Requirement / Submittal Item	Code	✓	N/A
H1	Hazardous materials inventory statement or equivalent summary is provided.	IFC Ch. 50	<input type="checkbox"/>	<input type="checkbox"/>
H2	Chemical classification for each material is provided.	IFC 5003	<input type="checkbox"/>	<input type="checkbox"/>
H3	Maximum allowable quantities are evaluated and documented.	IFC 5003 / Tables	<input type="checkbox"/>	<input type="checkbox"/>
H4	Control areas are identified and separated where applicable.	IBC 414 / IFC 5003	<input type="checkbox"/>	<input type="checkbox"/>
H5	Storage and use areas are clearly identified.	IFC 5003	<input type="checkbox"/>	<input type="checkbox"/>
H6	Secondary containment, spill control, and drainage control are shown where required.	IFC 5004	<input type="checkbox"/>	<input type="checkbox"/>
H7	Ventilation and exhaust are shown where required.	IFC Ch. 50 / mechanical code	<input type="checkbox"/>	<input type="checkbox"/>
H8	Detection, alarm, and emergency controls are shown where required.	IFC Ch. 50	<input type="checkbox"/>	<input type="checkbox"/>
H9	Separation distances, cabinets, gas rooms, or exhausted enclosures are shown where required.	IFC Ch. 50	<input type="checkbox"/>	<input type="checkbox"/>

### SPECIAL HAZARD MODULE - HIGH-PILED COMBUSTIBLE STORAGE

#	Requirement / Submittal Item	Code	✓	N/A
HP1	Commodity classification is identified.	IFC Ch. 32	<input type="checkbox"/>	<input type="checkbox"/>
HP2	Storage arrangement is identified, including pile, rack, shelf, bin box, or solid pile.	IFC Ch. 32	<input type="checkbox"/>	<input type="checkbox"/>
HP3	Maximum storage height and building height are identified.	IFC Ch. 32	<input type="checkbox"/>	<input type="checkbox"/>
HP4	Rack layout, aisle width, and transverse flue spaces are shown where applicable.	IFC Ch. 32	<input type="checkbox"/>	<input type="checkbox"/>
HP5	Fire protection basis is identified, including sprinkler design approach and any draft curtains or smoke and heat vents if applicable.	IFC Ch. 32 / IFC 910	<input type="checkbox"/>	<input type="checkbox"/>
HP6	Fire department access doors and hose stream pathways are shown where required.	IFC Ch. 32	<input type="checkbox"/>	<input type="checkbox"/>
HP7	Idle pallets, array separation, and ancillary storage are addressed where applicable.	IFC Ch. 32	<input type="checkbox"/>	<input type="checkbox"/>

### SPECIAL HAZARD MODULE - COMMERCIAL COOKING OPERATIONS

#	Requirement / Submittal Item	Code	✓	N/A
CK1	Commercial cooking operation is identified.	IFC 609	<input type="checkbox"/>	<input type="checkbox"/>
CK2	Type I or Type II hood is identified.	IMC 507	<input type="checkbox"/>	<input type="checkbox"/>

CK3	Cooking appliances under each hood are identified.	IFC 609 / NFPA 96	<input type="checkbox"/>	<input type="checkbox"/>
CK4	Duct routing, shaft rating where required, cleanouts, and termination are shown.	IMC 506 / IBC 713	<input type="checkbox"/>	<input type="checkbox"/>
CK5	Required hood suppression system is identified as deferred submittal.	IFC 904 / NFPA 96	<input type="checkbox"/>	<input type="checkbox"/>
CK6	Fuel/electrical shutoff interlocks, exhaust, and make-up air sequence are shown.	IFC 904 / NFPA 96	<input type="checkbox"/>	<input type="checkbox"/>
CK7	Portable Class K and required companion extinguishers are shown.	IFC 906 / NFPA 96	<input type="checkbox"/>	<input type="checkbox"/>

### SPECIAL HAZARD MODULE - FLAMMABLE AND COMBUSTIBLE LIQUIDS

#	Requirement / Submittal Item	Code	✓	N/A
FL1	Flammable and combustible liquid quantities are identified.	IFC Ch. 57	<input type="checkbox"/>	<input type="checkbox"/>
FL2	Use, dispensing, mixing, processing, or storage functions are identified.	IFC Ch. 57	<input type="checkbox"/>	<input type="checkbox"/>
FL3	Cabinets, storage rooms, or liquid warehouses are shown where applicable.	IFC Ch. 57	<input type="checkbox"/>	<input type="checkbox"/>
FL4	Spill control and secondary containment are shown where required.	IFC Ch. 57	<input type="checkbox"/>	<input type="checkbox"/>
FL5	Ventilation and electrical classification are shown where required.	IFC Ch. 57	<input type="checkbox"/>	<input type="checkbox"/>
FL6	Bonding, grounding, and dispensing safeguards are shown where applicable.	IFC Ch. 57	<input type="checkbox"/>	<input type="checkbox"/>
FL7	Fire protection features and separation distances are shown where required.	IFC Ch. 57	<input type="checkbox"/>	<input type="checkbox"/>

### SPECIAL HAZARD MODULE - COMBUSTIBLE DUST PRODUCING OPERATIONS

#	Requirement / Submittal Item	Code	✓	N/A
CD1	Dust-producing operation and material type are identified.	IFC Ch. 22	<input type="checkbox"/>	<input type="checkbox"/>
CD2	Dust collection equipment and duct routing are shown.	IFC Ch. 22	<input type="checkbox"/>	<input type="checkbox"/>
CD3	Explosion control or explosion protection method is identified where required.	IFC Ch. 22	<input type="checkbox"/>	<input type="checkbox"/>
CD4	Spark detection, suppression, or isolation devices are shown where required.	IFC Ch. 22	<input type="checkbox"/>	<input type="checkbox"/>
CD5	Housekeeping and separation of dust hazards from other occupancies are addressed where applicable.	IFC Ch. 22	<input type="checkbox"/>	<input type="checkbox"/>

### SPECIAL HAZARD MODULE - ENERGY STORAGE SYSTEMS

#	Requirement / Submittal Item	Code	✓	N/A
ES1	Battery chemistry and total energy capacity are identified.	IFC 1206	<input type="checkbox"/>	<input type="checkbox"/>
ES2	Installation location and separation distances are shown.	IFC 1206	<input type="checkbox"/>	<input type="checkbox"/>
ES3	Dedicated room or cabinet arrangement is shown where applicable.	IFC 1206	<input type="checkbox"/>	<input type="checkbox"/>

ES4	Fire detection, smoke detection, gas detection, and monitoring are shown where required.	IFC 1206	<input type="checkbox"/>	<input type="checkbox"/>
ES5	Ventilation and exhaust are shown where required.	IFC 1206	<input type="checkbox"/>	<input type="checkbox"/>
ES6	Thermal runaway mitigation or approved protective features are identified where required.	IFC 1206	<input type="checkbox"/>	<input type="checkbox"/>
ES7	Emergency disconnects, signage, and access pathways are shown.	IFC 1206	<input type="checkbox"/>	<input type="checkbox"/>

### **SPECIAL HAZARD MODULE - MOTOR FUEL DISPENSING FACILITIES AND REPAIR GARAGES**

#	Requirement / Submittal Item	Code	✓	N/A
MF1	Motor fuel dispensing, fleet fueling, or repair garage use is identified.	IFC Ch. 23	<input type="checkbox"/>	<input type="checkbox"/>
MF2	Fuel storage, piping, dispensers, or repair area layout is shown.	IFC Ch. 23	<input type="checkbox"/>	<input type="checkbox"/>
MF3	Spill control, drainage, and emergency shutoff are shown where required.	IFC Ch. 23	<input type="checkbox"/>	<input type="checkbox"/>
MF4	Ventilation and classified electrical areas are shown where required.	IFC Ch. 23	<input type="checkbox"/>	<input type="checkbox"/>
MF5	Fire protection and separation from other occupancies are shown where required.	IFC Ch. 23	<input type="checkbox"/>	<input type="checkbox"/>

### **SPECIAL HAZARD MODULE - INDUSTRIAL OVENS**

#	Requirement / Submittal Item	Code	✓	N/A
OV1	Industrial oven process and oven class are identified.	IFC Ch. 30	<input type="checkbox"/>	<input type="checkbox"/>
OV2	Fuel type, burner controls, and safety shutoffs are identified.	IFC Ch. 30	<input type="checkbox"/>	<input type="checkbox"/>
OV3	Ventilation and exhaust system are shown.	IFC Ch. 30	<input type="checkbox"/>	<input type="checkbox"/>
OV4	Fire protection and interlocks are shown where required.	IFC Ch. 30	<input type="checkbox"/>	<input type="checkbox"/>

### **SPECIAL HAZARD MODULE - TIRE STORAGE AND TIRE REBUILDING**

#	Requirement / Submittal Item	Code	✓	N/A
TR1	Indoor or outdoor tire storage and pile arrangement are identified.	IFC Ch. 34	<input type="checkbox"/>	<input type="checkbox"/>
TR2	Storage height, area, and separation distances are shown.	IFC Ch. 34	<input type="checkbox"/>	<input type="checkbox"/>
TR3	Fire department access and fencing are shown where applicable.	IFC Ch. 34	<input type="checkbox"/>	<input type="checkbox"/>
TR4	Required fire protection features are shown where applicable.	IFC Ch. 34	<input type="checkbox"/>	<input type="checkbox"/>

### **SPECIAL HAZARD MODULE - WELDING AND HOT WORK AREAS**

#	Requirement / Submittal Item	Code	✓	N/A
HW1	Permanent hot work or welding area is identified.	IFC Ch. 35	<input type="checkbox"/>	<input type="checkbox"/>

HW2	Combustible separation, noncombustible surfaces, and ventilation are shown where required.	IFC Ch. 35	<input type="checkbox"/>	<input type="checkbox"/>
HW3	Compressed gas manifold or generator rooms are shown where applicable.	IFC Ch. 35	<input type="checkbox"/>	<input type="checkbox"/>

### **SPECIAL HAZARD MODULE - OTHER SPECIAL USES AND PROCESSES**

<b>#</b>	<b>Requirement / Submittal Item</b>	<b>Code</b>	<b>✓</b>	<b>N/A</b>
M1	Tents or membrane structures are identified where applicable.	IFC Ch. 31	<input type="checkbox"/>	<input type="checkbox"/>
M2	Aviation facility use is identified where applicable.	IFC Ch. 20	<input type="checkbox"/>	<input type="checkbox"/>
M3	Dry-cleaning operation is identified where applicable.	IFC Ch. 21	<input type="checkbox"/>	<input type="checkbox"/>
M4	Fumigation or thermal insecticidal fogging use is identified where applicable.	IFC Ch. 26	<input type="checkbox"/>	<input type="checkbox"/>
M5	Semiconductor fabrication facilities are identified where applicable.	IFC Ch. 27	<input type="checkbox"/>	<input type="checkbox"/>
M6	Lumber yards and woodworking facilities are identified where applicable.	IFC Ch. 28	<input type="checkbox"/>	<input type="checkbox"/>
M7	Manufacture of organic coatings is identified where applicable.	IFC Ch. 29	<input type="checkbox"/>	<input type="checkbox"/>