

Grand Prairie, Tx - Building Inspections Dept.

Permit #: _____

STORAGE RACK QUESTIONNAIRE (submit all reqts & respond to all questions)



1. Address: _____; **submit Site Plan**: show North, building, public space/outside

2. **Submit Floor Plan of the whole building**, A = _____ sq.ft.; Ceiling Ht. = _____ ft.
Show ALL available EXITS and compliance with Travel Distance reqts.

3. In the Floor Plan, **show location(s)** and dimension(s) of high-piled storage areas.
Provide Area of Proposed Storage, A = _____ sq.ft.

4. **Show typical rack arrangements**, number of tiers within each rack, Show storage dimensions per Rack: L x W x H = _____ ft.

5. Commodity clearance between top of storage (Max ht.) and the sprinkler deflector for each storage arrangement. Clearance = _____ ft.

6. **Aisle dimensions** between each storage array. **Please show in floor plan.**

7. **Maximum pile Weight** for each rack. Weight = _____ lbs.

8. **Commodities to be stored** _____

- | | |
|------------------------|---|
| Hazard classification: | S1 - Moderate Hazard Storage |
| (ref. Ch3 of 2021 IBC) | S2 – Low Hazard Storage |
| (circle 1 or more) | F1 - Moderate-hazard factory Industrial |
| | F2 - Low-hazard Factory Industrial |
| | H1-H5 - High-Hazard (submit code analysis of "Control Areas") |

9. Location of commodities that are banded or encapsulated. Show in floor plan or N/A.

10. Provide information on **rack anchorage** to the floor:

Wedge Anchors: Size = _____ in \varnothing X _____ in.; Other: _____

Embedment depth = _____ in.

Number of anchors per support = _____

11. **Will anchor drilling be done into any finish material on top of the existing concrete slab, i.e. tiles, epoxy, paint, other?** No _____; Yes _____, if yes, what type of finish _____

12. **Please submit** the Engineering Analysis/Evaluation of proposed racks including floor anchorage requirements.

Note: Starting January 1, 2022, the City of Grand Prairie, Tx has adopted the 2021 IBC/Family of Codes, the 2020 NEC and the 2021 NCTCOG recommended amendment to the 2021 IBC/Code Family – please update your code references.