EXAMPLE FOR ILLUSTRATION ONLY — NOT A REAL PERMIT SUBMISSION

These sheets are educational. They show what plan reviewers and fire marshals look for in a racking permit. The project, figures and stamps are made up. The documents for your project will look different, prepared for your building and your city's requirements.

HIGH-PILED STORAGE & RACKING PERMIT

Example distribution center · selective pallet racking, double rows · existing tilt-up building

STORAGE DATA	
Commodity	**Class III, on wood pallets**
Storage arrangement	**Selective rack, double rows**
Top of storage	**20'-0" above floor**
High-piled storage area	**27,300 sq ft**
Rack rows / bays	**7 double rows · 350 bays**
Pallet positions	**2,800 (4 levels)**
Clearance to sprinklers	**18" min. below deflectors**
Flue spaces	**6" longitudinal · 3" transverse**
Aisles	**10'-0" clear between rows**

APPLICABLE CODES	
Fire code	**IFC Chapter 32, as adopted locally**
Building code	**IBC, as adopted locally**
Sprinklers	**NFPA 13**
Steel storage racks	**ANSI MH16.1 (RMI)**
Seismic design	**ASCE 7, site class per geotech**
Anchorage	**Per S-201, special inspection**

FIRE PROTECTION & ACCESS	
Sprinkler system	**Existing ESFR, ceiling only**
Design check	**Per NFPA 13, by sprinkler contractor**
Fire department access doors	**3 provided, see A-101**
Hose valves	**At each exit door, see A-101**
Smoke removal	**Existing roof vents**
Exit travel distance	**Within code limit, see A-101**
Signage	**Load signs on every rack row**

SHEET INDEX	
G-001	**Cover & code summary**
A-101	**High-piled storage plan**
S-201	**Rack elevation & anchorage**
S-301	**Rack structural calculations (bound separately)**
—	**Rack manufacturer load data (attached)**

APPLICANT	
Prepared by	**Lenokers, Portland, Oregon**
Owner / tenant	**Example distribution center**
Contact for review comments	**Lenokers project manager**
Permit type	**Building + fire (high-piled storage)**

GENERAL: Storage shall not exceed the heights, areas and arrangement shown. Changes to commodity, height or layout require a revised permit.

Flue spaces shall be kept open at every level. Rack load signs shall be posted and maintained.

EXAMPLE PACKAGE · project, figures and stamps are illustrative

LENOKERS.
Warehouse racking · Portland, Oregon

ISSUED FOR PERMIT
REV 1 · 03-10-26

PROJECT
Example distribution center

DATE
03-10-26

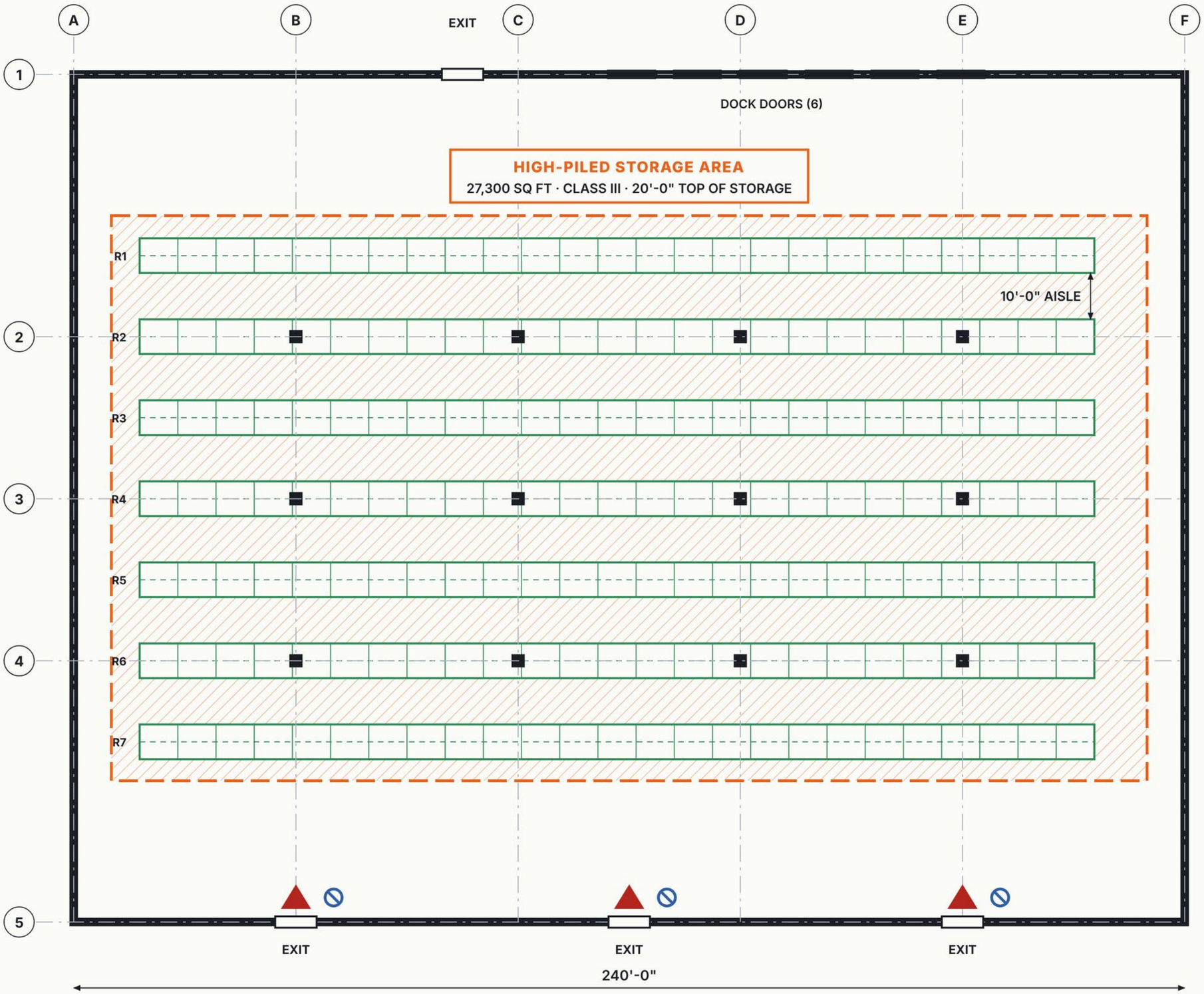
SHEET TITLE
Cover & code summary

SCALE
AS NOTED

SHEET
G-001

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LEGEND

- High-piled storage area
- Double rack row
- Exit door
- Fire department access door
- Fire hose valve

NOTES

1. Racks: 7 double rows, 350 bays, top of storage 20'-0".
2. Aisles 10'-0" clear, kept open.
3. Access doors max. 125' apart along the access walls.
4. Hose valves at each exit door.
5. Rack details: see S-201.

N

EXAMPLE · illustrative

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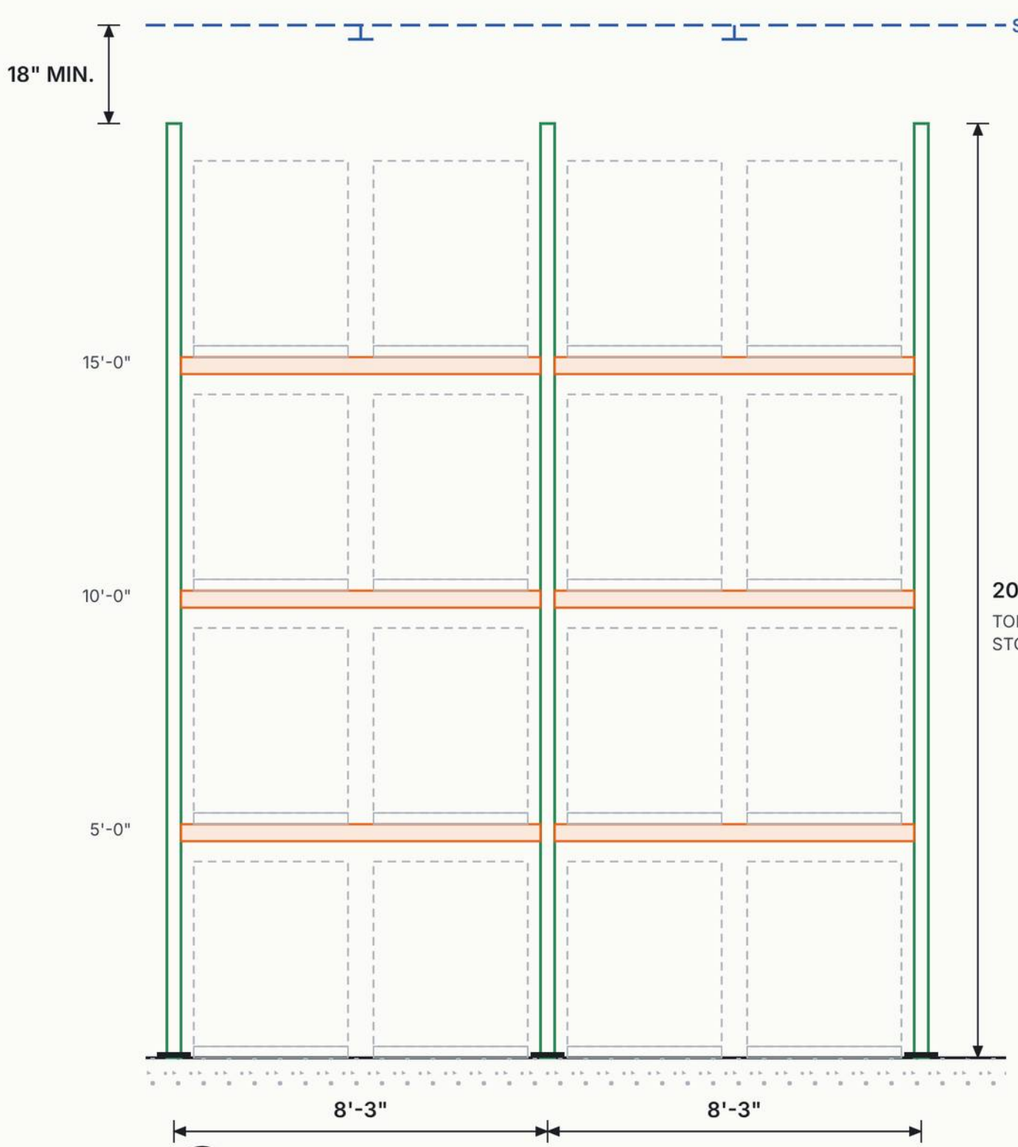
SHEET TITLE
High-piled storage plan

SCALE
AS NOTED

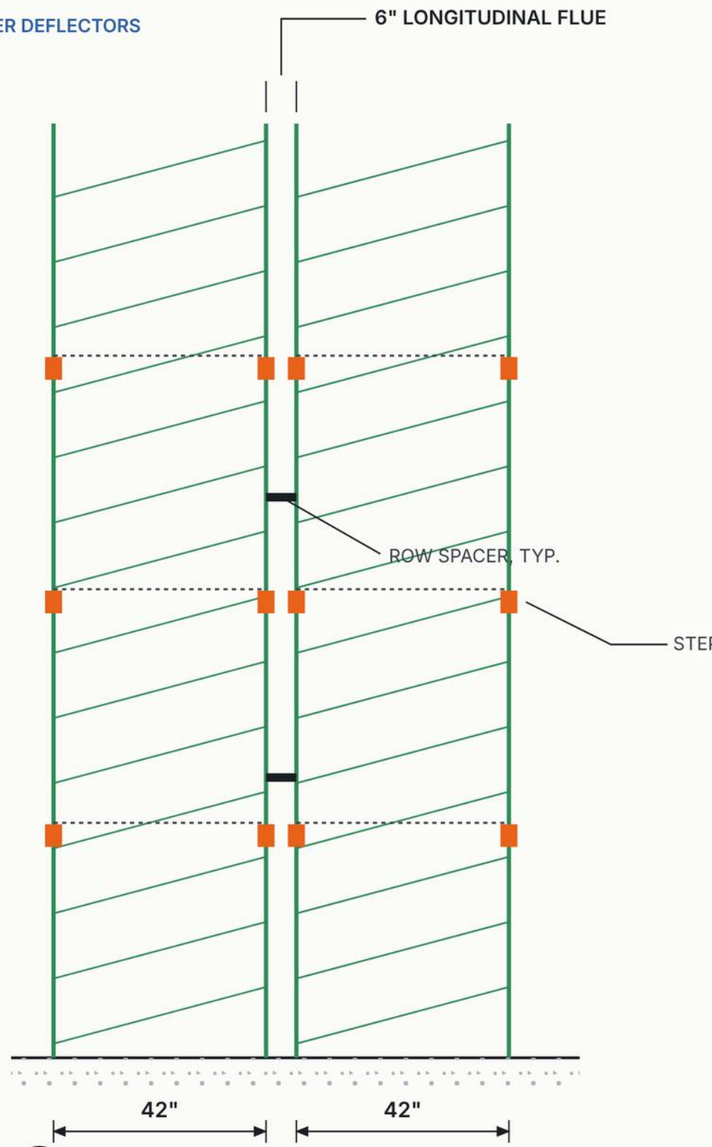
SHEET
A-101

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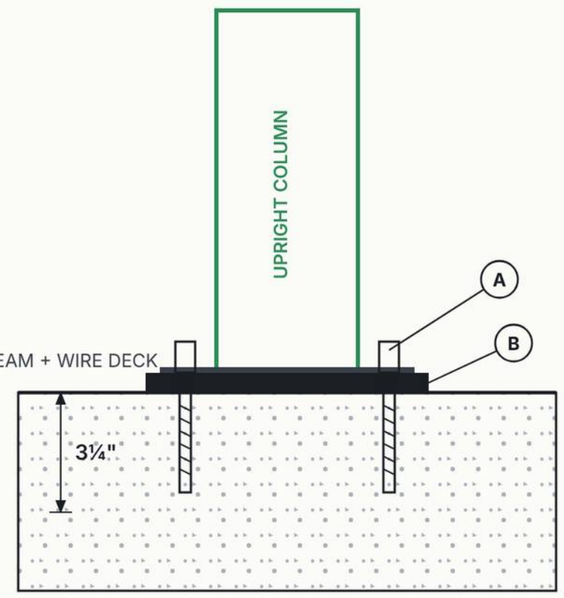
1 S-201 RACK ELEVATION



2 S-201 SECTION A–A

GENERAL NOTES

1. Storage height and clearances per the fire code in force at the site.
2. Flue spaces kept open at every level.
3. Anchors installed per manufacturer instructions and inspected.
4. Aisle widths per forklift specifications.
5. Rack design load: 2,500 lb per level.
6. Field verify slab thickness before drilling.



A ½" Ø wedge anchor, 3¼" min. embed, typ. of 2
B Baseplate + shims, ¼" max. stack
6" min. concrete slab, verify on site

3 S-201 ANCHOR DETAIL

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