

SHELTER LOGIC

**1601 INDUSTRIAL PARK WAY
PUYALLUP, WA 98371**

DRAWING INDEX

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DRAWING TITLE

TITLE SHEET
BUILDING LAYOUT
RACKING ELEVATIONS
HIGH PILE STORAGE PLAN



Integrated Warehouse Solutions
WEST

402 PRINCELAND CT. UNIT 1
CORONA, CA 92789
Phone: 951-279-0550 Fax: 951-279-2264

Project Name and Address

SHELTERLOGIC
1601 INDUSTRIAL PARK WAY
PUYALLUP, WA 98371

Project	SHELTER LOGIC	Sheet	1 of 4
Date	06-16-2023		
Scale	NTS		

SEISMIC ENGINEERING

STRUCTURAL ENGINEERING & DESIGN
1815 WRIGHT AVE
LA VERNE, CA 91750

BOB SHARIFI

PHONE: (909) 596-1315

PROJECT MANAGER

INTEGRATED WAREHOUSE SOLUTIONS
402 PRINCELAND CT. UNIT 1
CORONA, CA 92879
DAVE SCHAADT

PHONE: (951) 205-3380

CONSULTING COMPANY



INTEGRATED WAREHOUSE SOLUTIONS
402 PRINCELAND CT. UNIT 1
CORONA, CA 92879
MARY LABANICS

PHONE: (951) 279-0550

SPRINKLER DESIGN

FIRE PROTECTION CRITERIA:

Commodity: Portable Shelters: Class I and II commodity combined with cartoned non-expanded Group A Plastics.

Storage Method: non-encapsulated, cartoned and palletized on open shelf racking + solid pile floor stack.

Maximum Top of Storage:

- Pallet Racking - 25ft
- Solid Pile - 18ft

High Pile Storage Square Footage: 114,781 Sq Ft (rack and solid pile combined)

Sprinkler System: ESFR K-17 Pendent

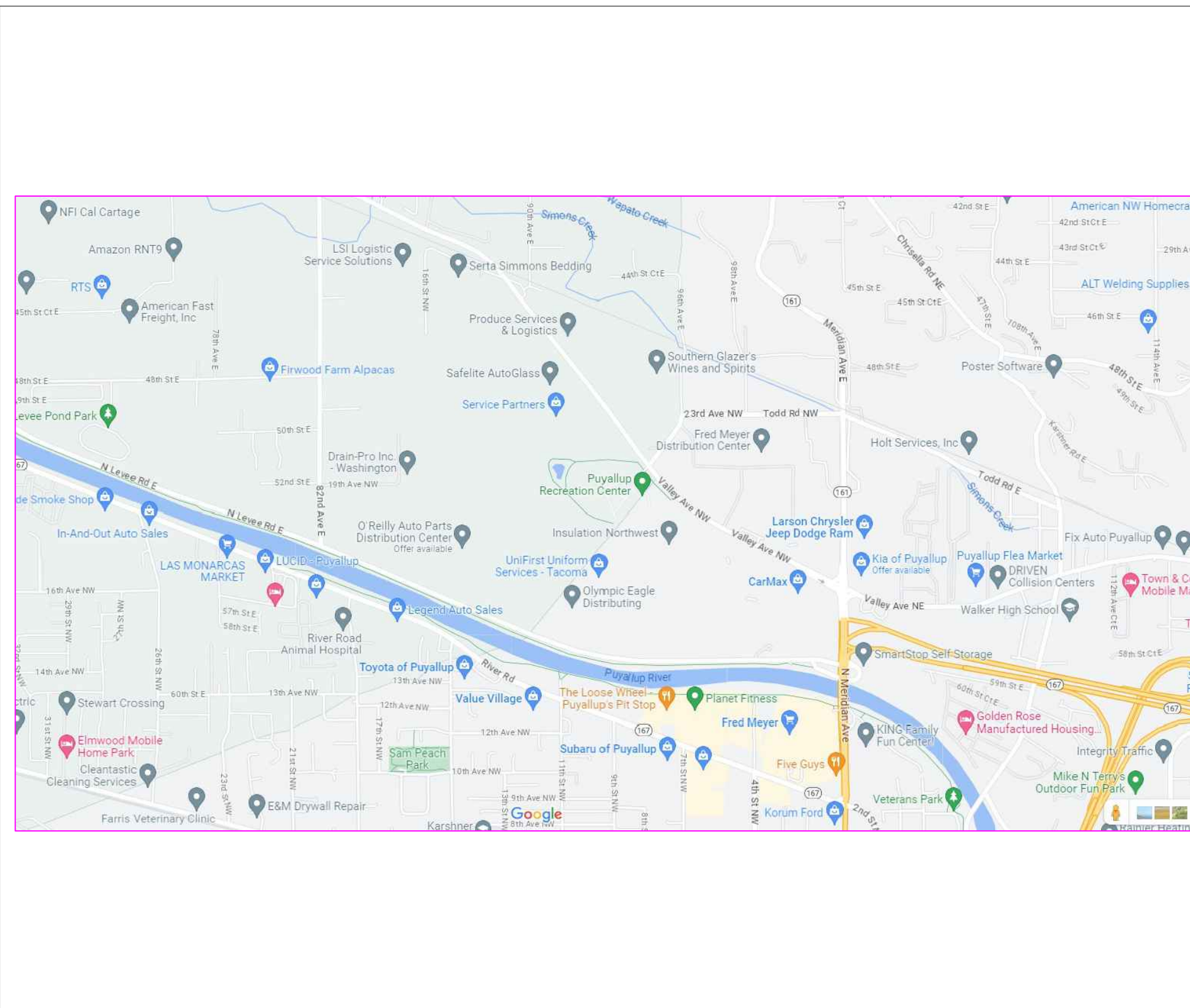
Ceiling Height: 40'

Code Reference: NFPA-13 2022 Edition Table 23.3.1 ESFR Sprinkler Ceiling Only Options for Solid Pile, Palletized, Single/Double/Multiple-Row Rack Storage for Class I-IV and Cartoned Non-Expanded Group A Plastics

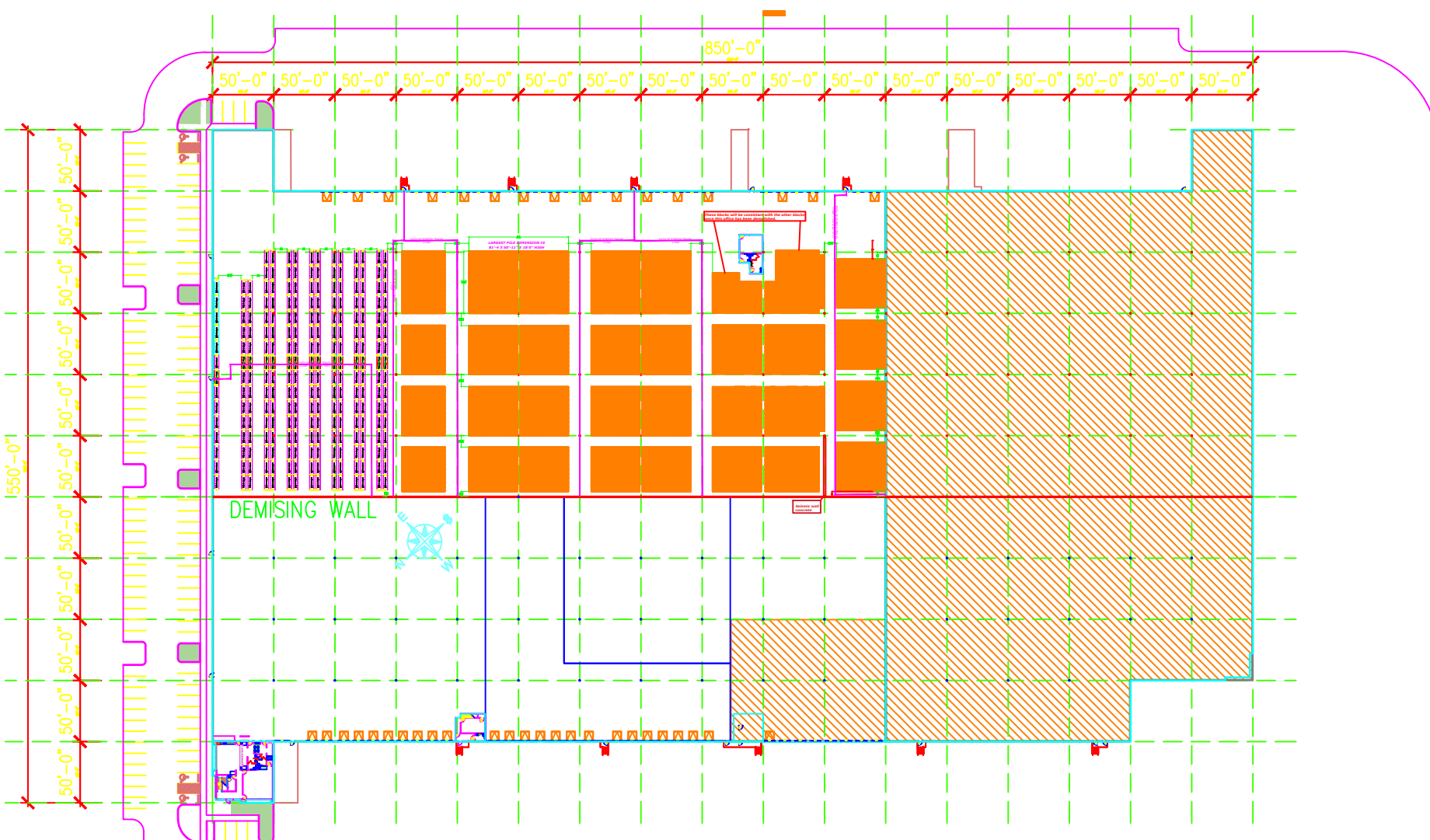
LARGEST PILE DIMENSIONS:

81'-4" X 50'-11" X 18'-0" HIGH

VICINITY MAP



KEY PLAN



SCOPE OF WORK

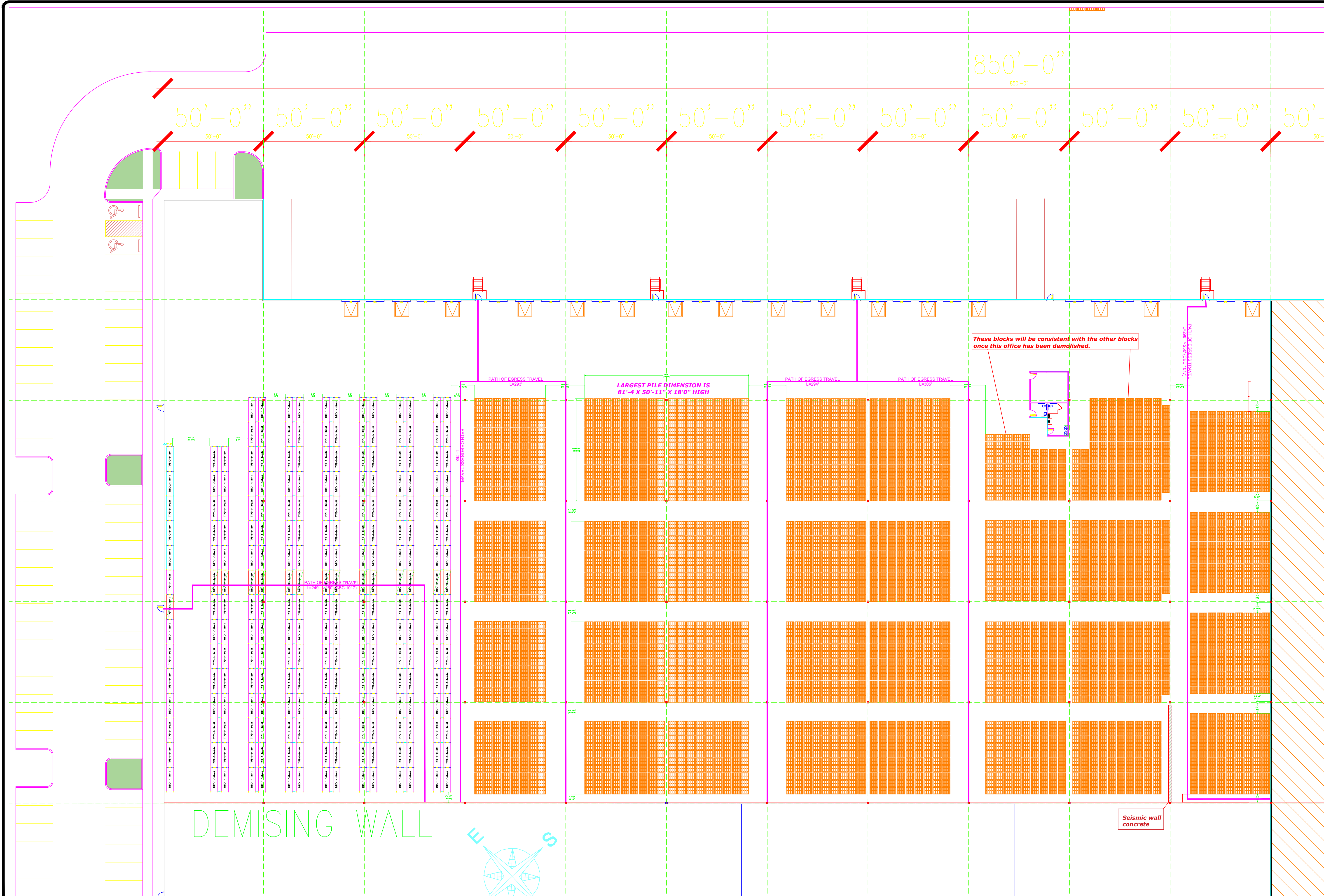
SCOPE OF WORK:

THE SCOPE OF WORK IS FOR INSTALLATION OF STORAGE RACKS IN AN EXISTING BUILDING. THE PLANS PURPOSE IS TO ESTABLISH THE STORAGE/STRUCTURAL REQUIREMENTS FOR THE TENANT AND BUILDING WHICH COMPLIES WITH THE APPLICABLE BUILDING CODE REQUIREMENTS. ANY AND ALL MODIFICATIONS TO THE BUILDING ARE THE SOLE RESPONSIBILITY OF THE OWNER/TENANT. THE OWNER/TENANT SHALL OBTAIN A LICENSED CONTRACTOR TO PERFORM SUCH WORK ALONG WITH THE NECESSARY PERMITS FOR SUCH WORK.

FIRE DESIGN CRITERIA PER NFPA 13 2022 EDITION

BUILDING DESIGN INFORMATION:

GOVERNING BUILDING CODE: 2022
CONSTRUCTION TYPE: III-B
CBC BUILDING OCCUPANCY: B, S-1
APN/PARCEL ID: 042021-2076
YEAR BUILT: 2007
ZONING: ML
BUILDING SQUARE FOOTAGE: 379,000
TENANT SPACE SQUARE FOOTAGE: 141,500
PALLET RACK SQUARE FOOTAGE: 33,171
SOLID PILE SQUARE FOOTAGE: 81,610
BUILDING CEILING HEIGHT: 40'-0"





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DRAWN BY
CHECKED BY
APPROVED BY
FILE

D. SCHAADT

DATE
DATE
DATE

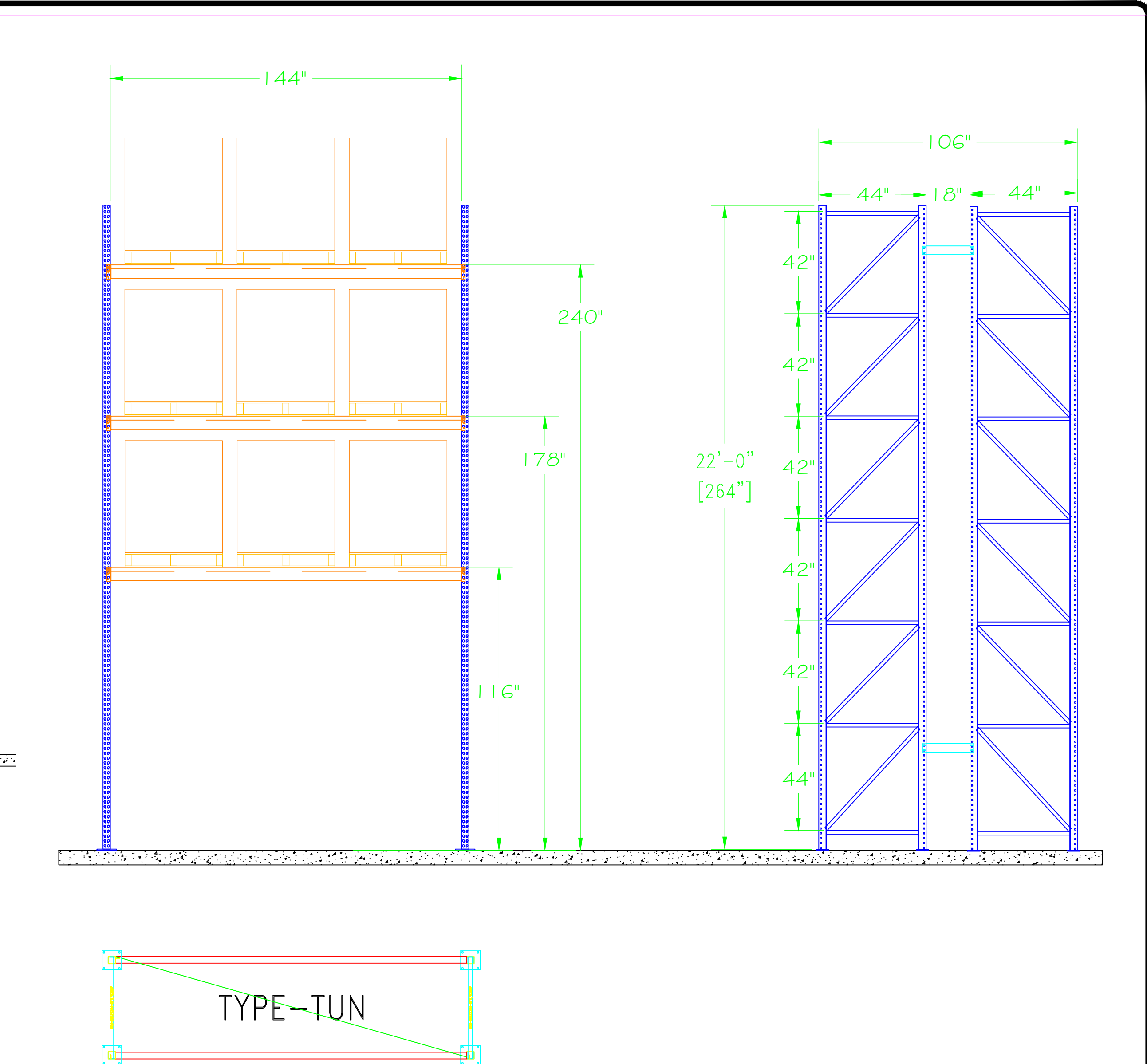
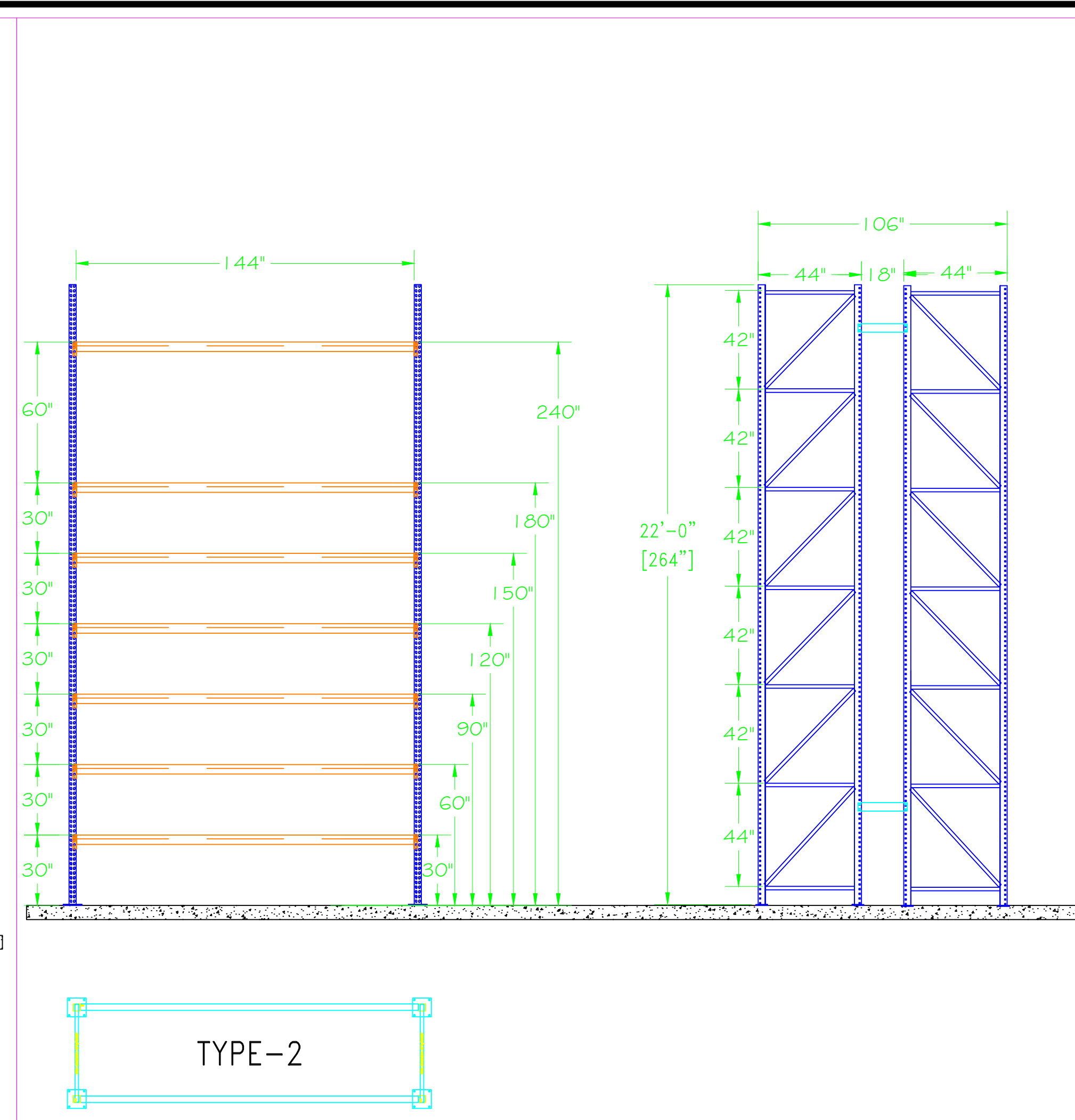
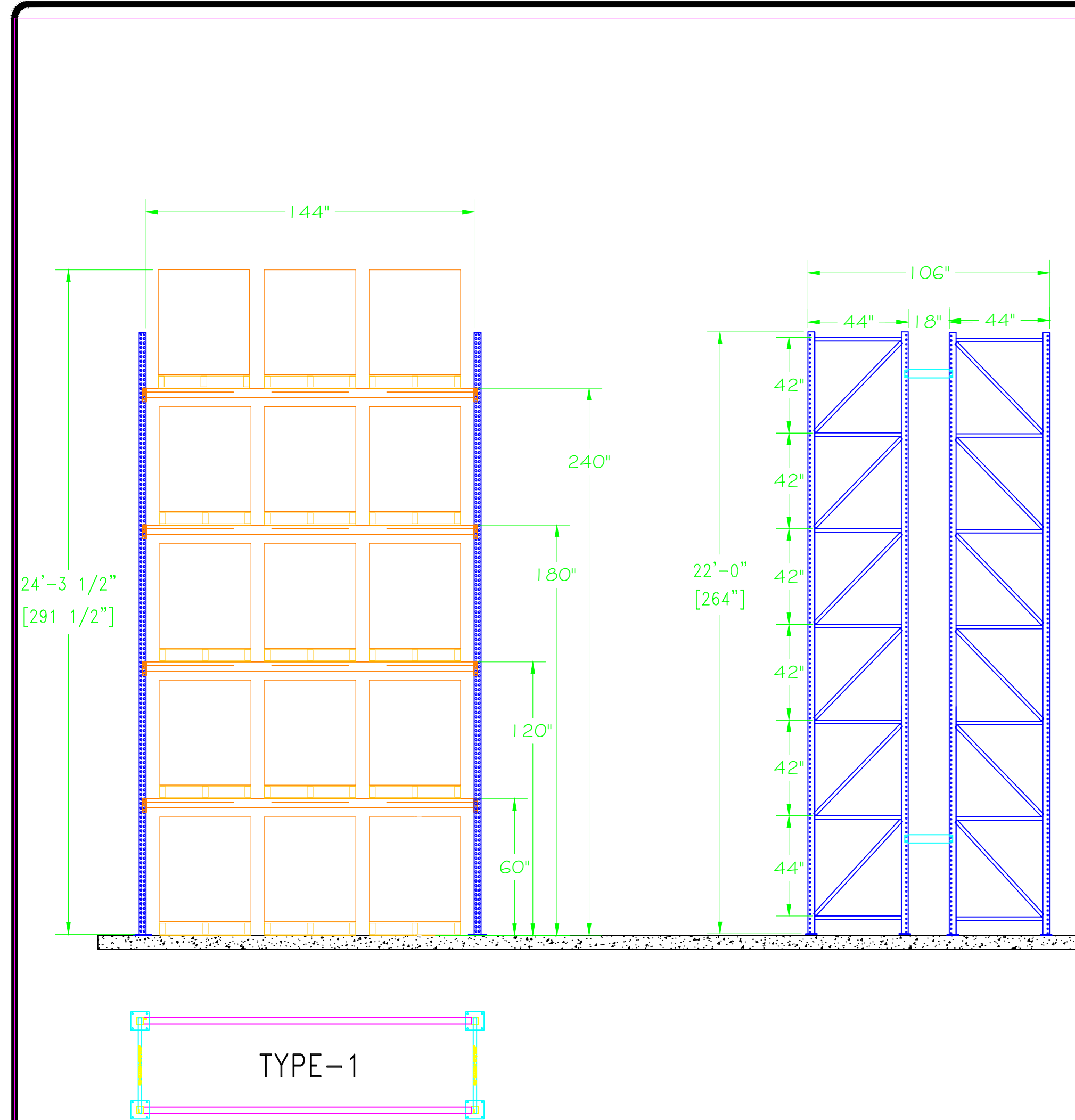
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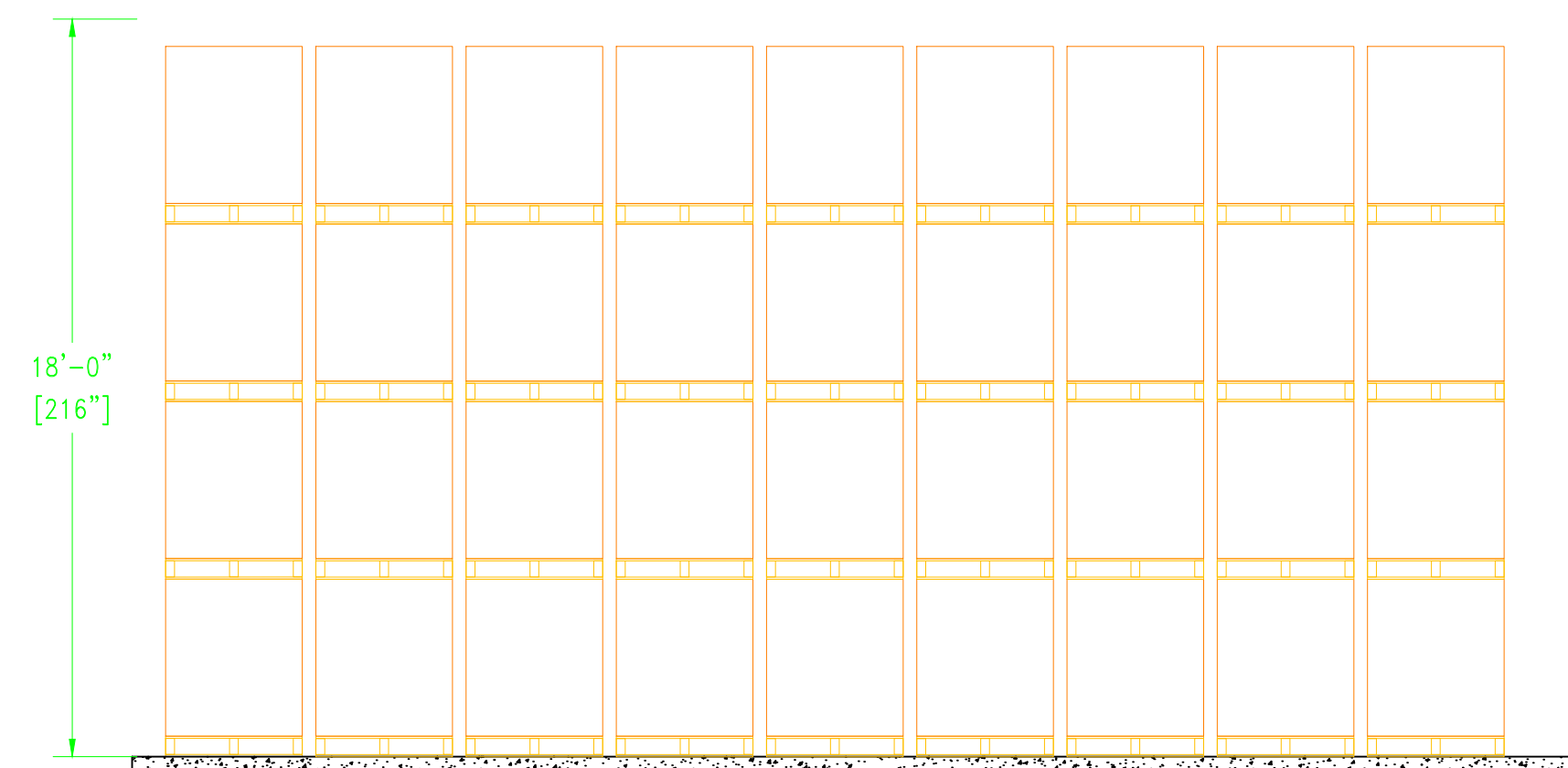
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REVISIONS

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SOLID PILE STORAGE



**LARGEST PILE DIMENSION IS
81'-4 X 50'-11" X 18'0" HIGH**

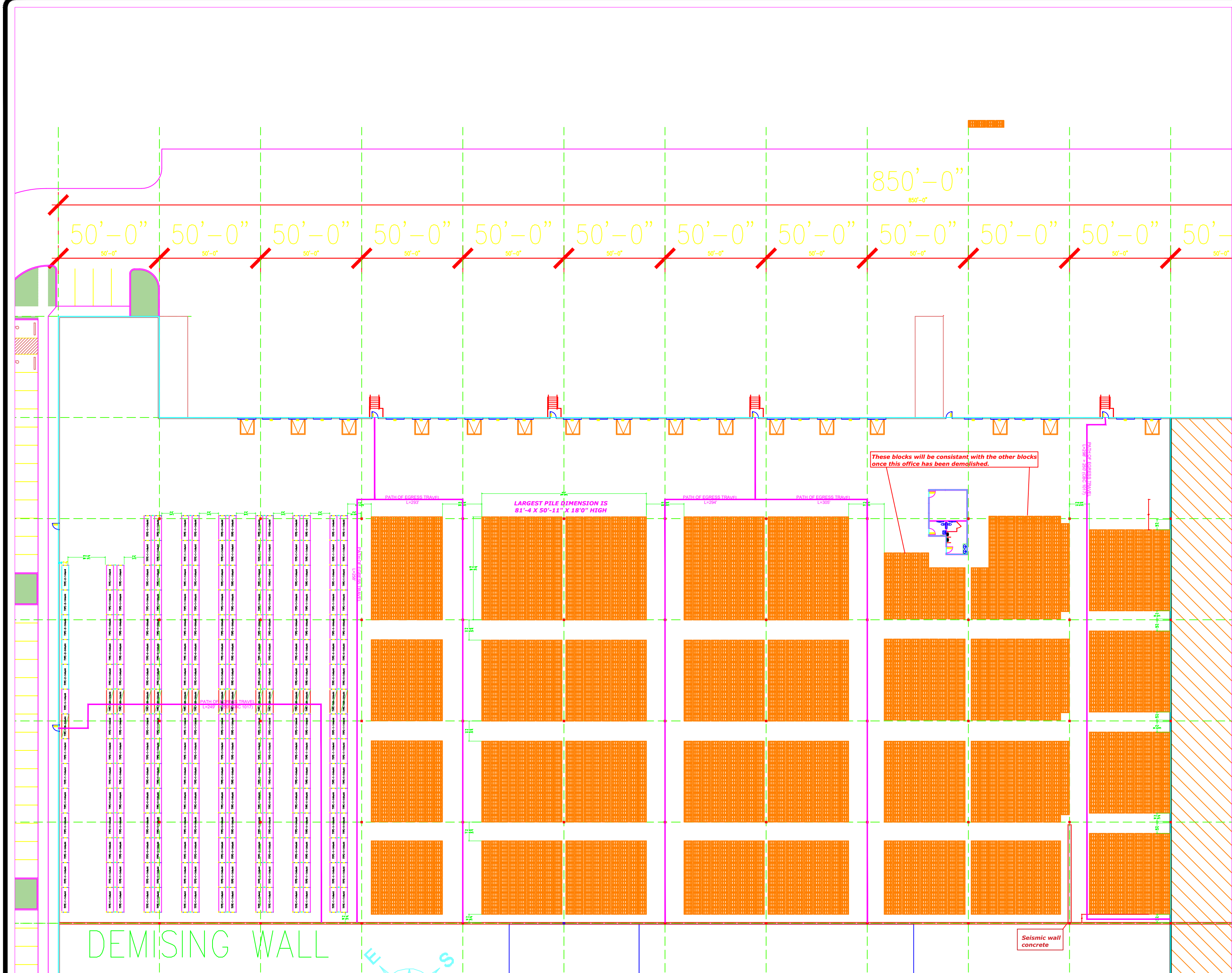
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REVISIONS	DRAWN BY D.SCHAADT DATE 06-16-23	
	CHECKED BY ---	DATE ---
	APPROVED BY ---	DATE ---
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SCALE	NTS	
DRAWING NO.	SHEET NO.	
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SCOPE OF WORK:

THIS PLAN IS NOT INTENDED FOR CONSTRUCTION, IT IS A HIGH PILED STORAGE DESIGN AND REPORT. ITS PURPOSE IS TO ESTABLISH THE STORAGE REQUIREMENTS FOR THE TENANT AND BUILDING WHICH COMPLIES WITH THE APPLICABLE NFPA 13, 2022 FIRE CODE REQUIREMENTS. ANY AND ALL MODIFICATIONS TO THE BUILDING ARE THE SOLE RESPONSIBILITY OF THE OWNER/TENANT. THE OWNER/TENANT SHALL OBTAIN A LICENSED CONTRACTOR TO PERFORM SUCH WORK. ALONG WITH THE NECESSARY PERMIT FOR SUCH WORK.

SMOKE VENT INFORMATION AND CALCULATION

PLEASE NOTE THAT NO SMOKE/HEAT VENTS ARE NOT REQUIRED

WAREHOUSE AND SPRINKLER INFORMATION:

BUILDING CEILING HEIGHT: 40'-0"
FIRE SPRINKLER DENSITY - K-17 @ 52 PSI / ESFR
K-17 SPRINKLER HEAD WITH A TEMPERATURE 214 DEGREES
OCCUPANCY CLASS - B, S-1
BUILDING CONSTRUCTION TYPE- TYPE III-B
TOTAL BUILDING SQUARE FOOTAGE- 379,000
TENANT WAREHOUSE FOOTAGE- 141,500
HIGH PILE STORAGE FOOTAGE- 114,781

GENERAL NOTES

- 1.) Portable fire extinguishers shall be provided in accordance with NFPA STANDARD 10
- 2.) This review did not include the analysis of any hazardous materials to be present. If there are any hazardous materials present in excess of the maximum allowable quantities per control area, the applicant shall complete a copy of the Sumner Fire Departments Hazardous Materials Information Form and return it to the Fire Department for review and approval prior to introducing and such materials into the building.
- 3.) Clearance between the top of storage and fire sprinkler head deflector shall be a minimum of 36" per NFPA 13, 2022 edition

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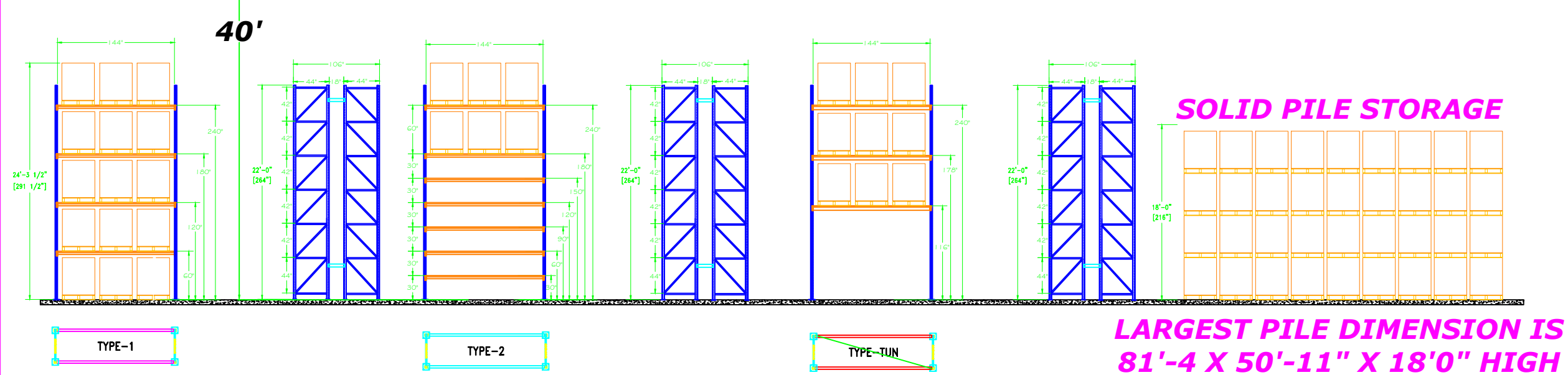
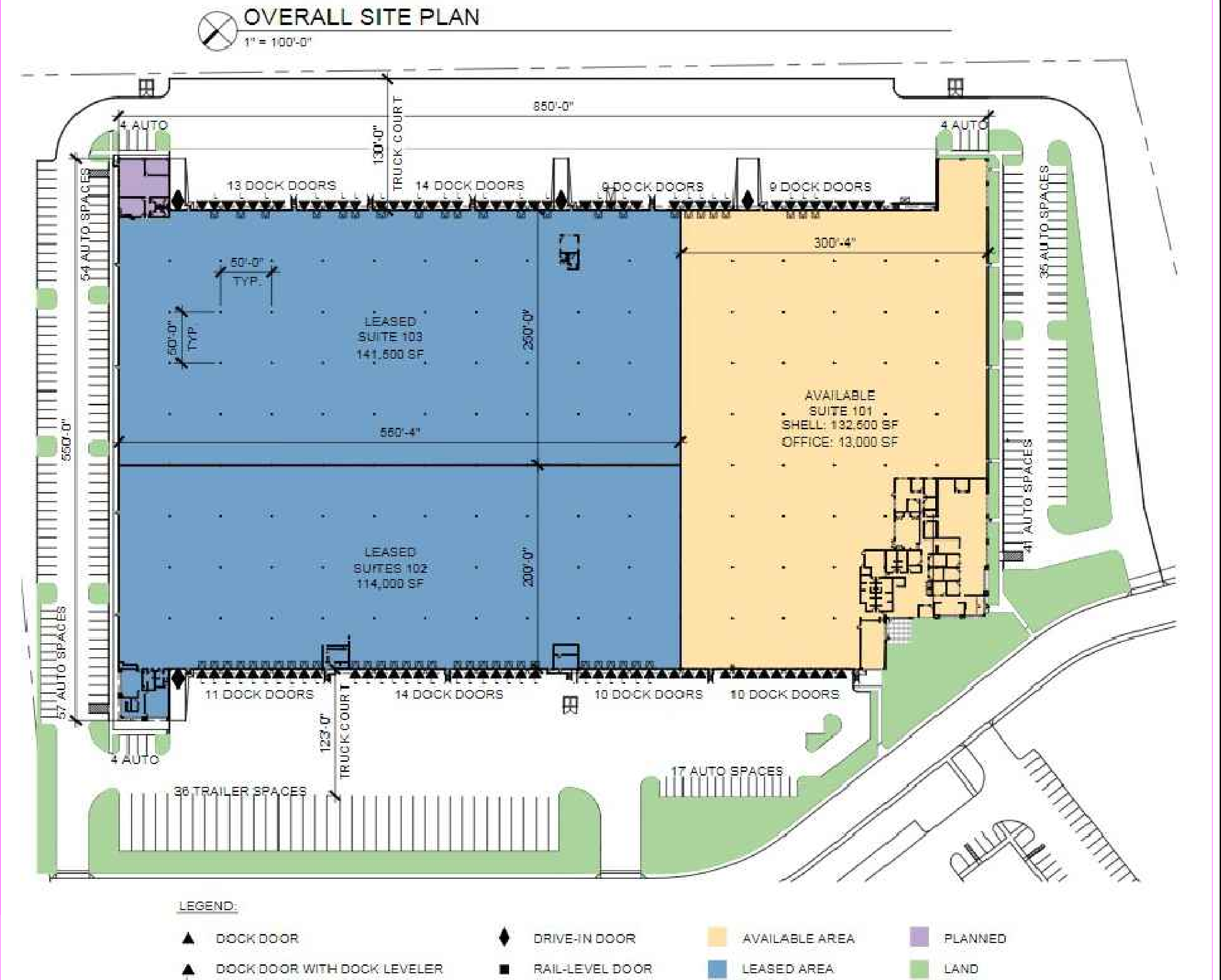
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RESERVED FOR:

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