

STRUCTURAL NOTES:

- RACKS ARE MANUFACTURED BY KINGMORE OF LaPUENTA, CA OR EQUAL
- MINIMUM YIELD (F_y) AND ULTIMATE (F_u) STEEL STRENGTHS FOR SELECTIVE RACKS SHALL BE AS FOLLOWS:
 - BEAMS AND COLUMNS F_y=55ksi F_u=70ksi.
 - BRACING STRUTS F_y=55ksi F_u=70ksi.
 - BASE PLATES F_y=36ksi F_u=58ksi.
- MAXIMUM RACK LOAD PER LEVEL PER PAIR OF BEAMS SHALL BE 3,000 LBS
- CONCRETE SLAB IS GIVEN AS 6" THICK WITH f_c'=3,000 psi.
- ALLOWABLE SOIL BEARING PRESSURE IS GIVEN AS 1,500 psf FOR GRAVITY LOADS.
- TIE-DOWN ANCHORS SHALL BE SIMPSON STRONG BOLT II WEDGE ANCHORS.
- USE TWO (2) 1/2"Ø X 5 1/2" ANCHORS WITH A 3 3/4" EMBEDMENT PER BASEPLATE, PLACED DIAGONALLY.. PERIODIC SPECIAL INSPECTION IS REQUIRED AND SHALL BE COMPLETED PER ICC ESR-3037.
- POST LOAD SIGNS NOT LESS THAN 50 SQUARE INCHES IN AREA SPECIFYING THE DESIGN CAPACITY AT CONSPICUOUS LOCATIONS.
- IF ANY DISCREPANCY OCCURS, CONTACT THE ENGINEER FOR CLARIFICATION.
- ANALYSIS AND DESIGN OF RACK CONFORMS TO THE 2021 IBC SEC 2209, THE ANSI MH-16.1 2012 CODE, AND SEC. 15.5.3 OF SEI/ASCE 7-16 USING THE ASD METHOD WHERE:

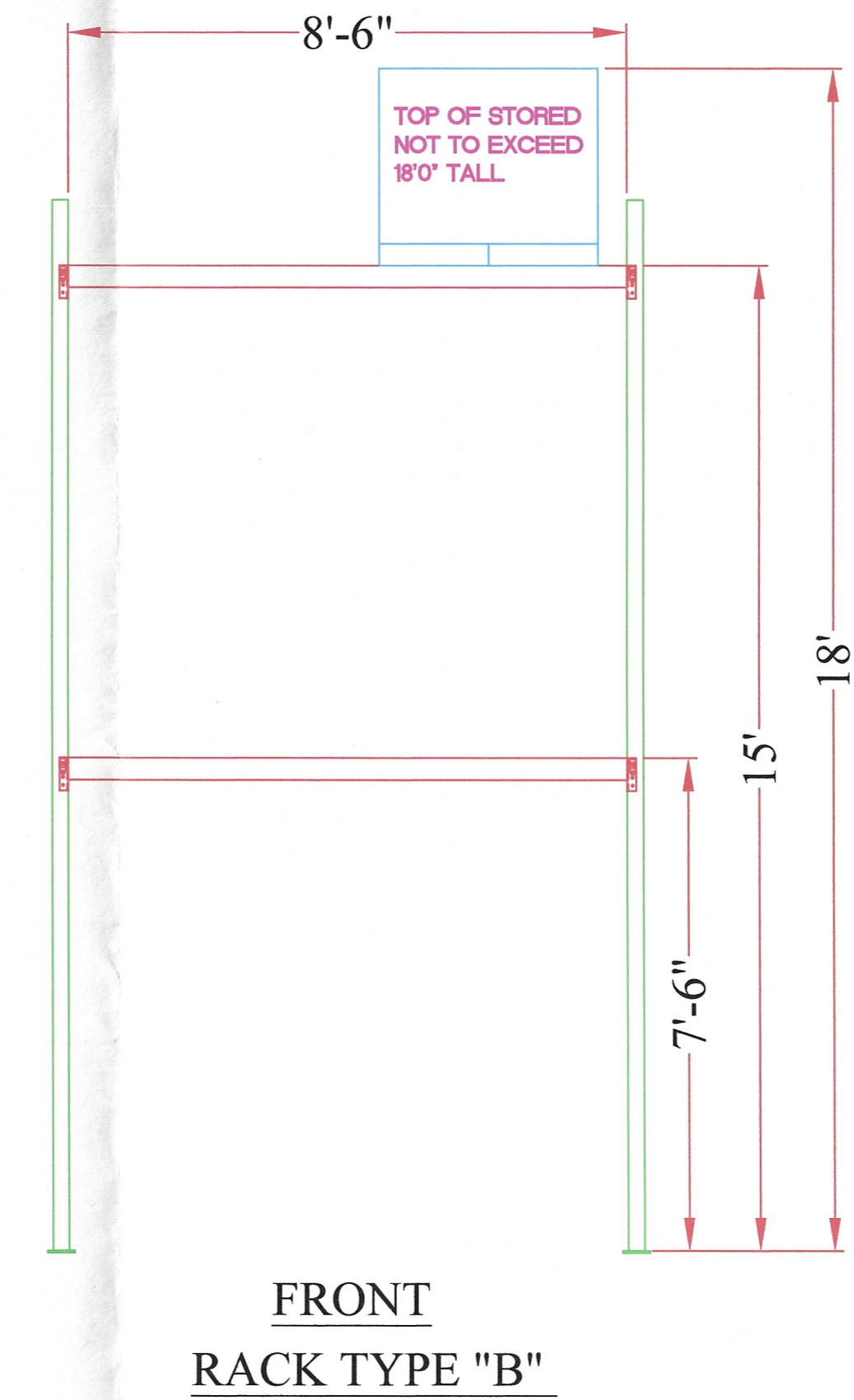
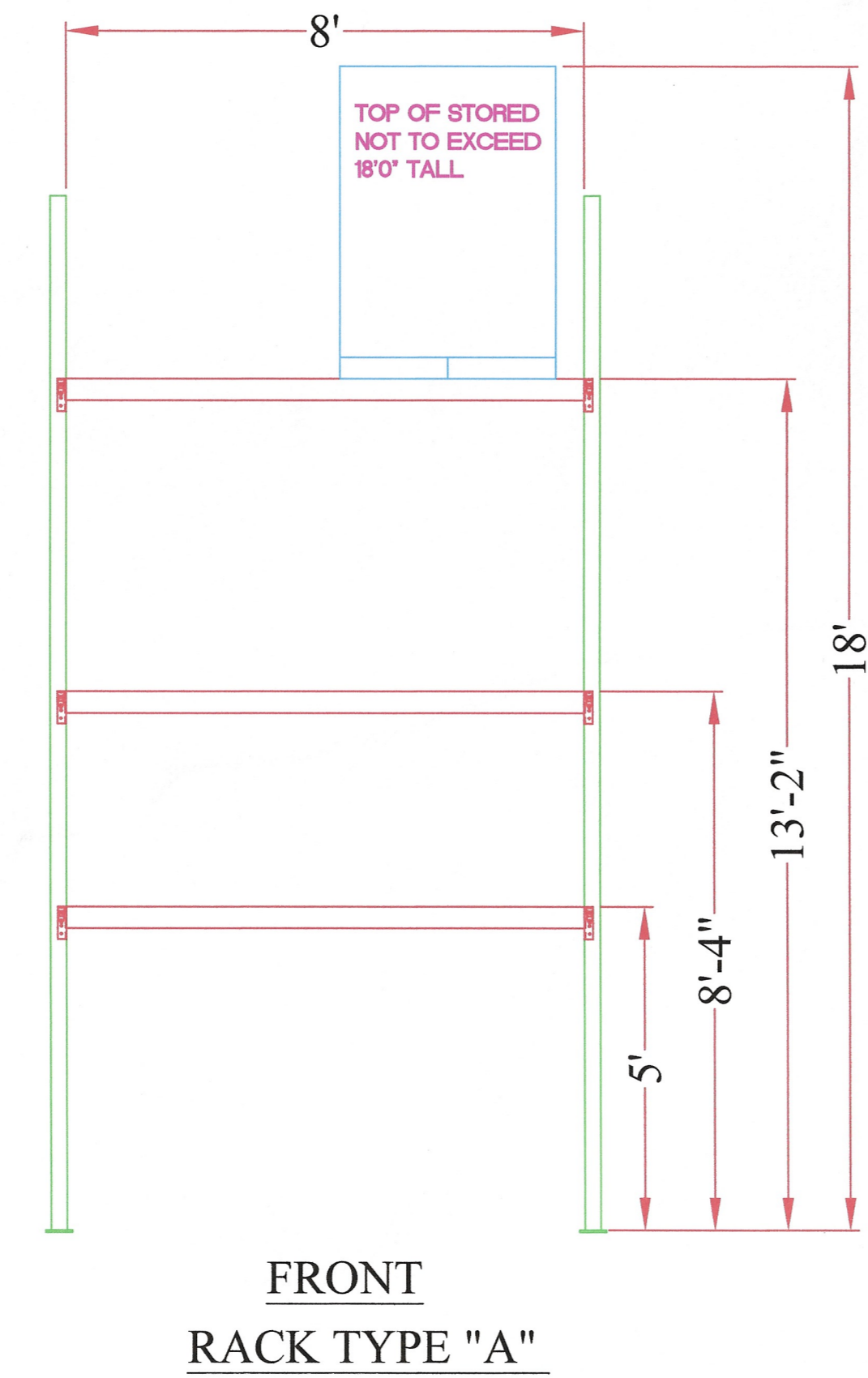
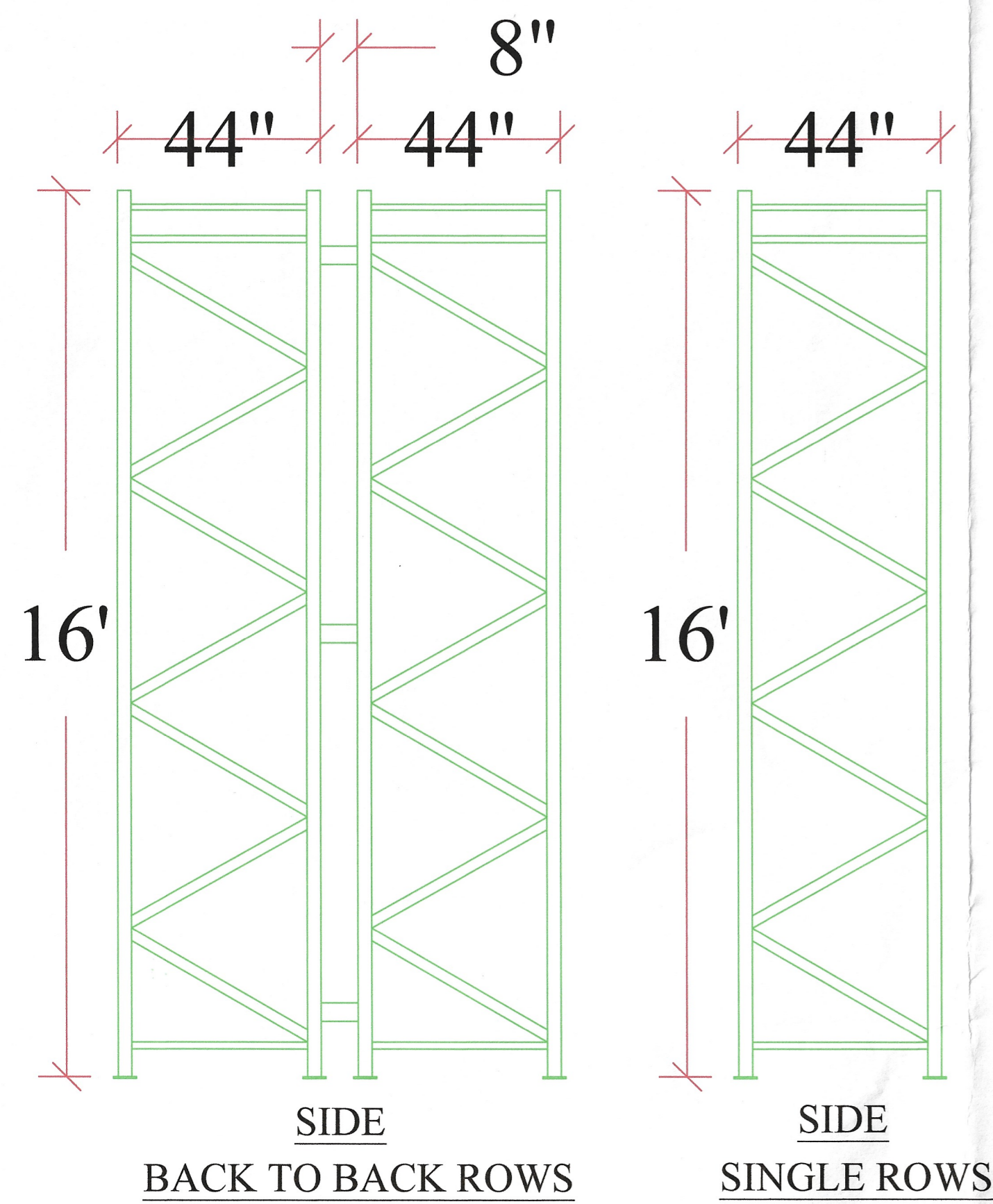
$V = 0.70 C_s I_p W_s$ AND $I_p = 1.0$ (RESTRICTED AREA - NO PUBLIC ALLOWED)

$C_s = 2.5 C_a/R$ AND $C_a = 0.403$ FOR THE GIVEN ADDRESS AND SITE CLASS D - DEFAULT

$R = 4.0$ TRANSVERSE (BRACED) DIR. $S_s = 1.259$

$R = 6.0$ LONGITUDINAL (MOMENT) DIR. $S_s = 0.433$

$F_a = 1.2$
- PROJECT HAS NO FIELD WELDING, ALL WELDING IS COMPLETED IN THE SHOP BY LICENSED WELDERS
- THERE ARE NO SHOP DRAWINGS FOR THIS PROJECT. THIS DRAWING SHALL SERVE AS THE PROJECT SHOP DRAWINGS.
- FACILITY IS NOT OPEN TO THE PUBLIC.
- CAPACITY PLACARDS ARE SUPPLIED STATING CALCULATED PER SHELF CAPACITY, PRODUCT CLASSIFICATION BEING STORED, AND MAXIMUM ALLOWABLE STORAGE HEIGHT.



Engineering Only
 Does not include:
 --- Exit Lighting
 --- Egress Lighting
 --- Product Classification
 --- Fire Sprinkler Review

Permit with L&I and install all necessary exit path illumination and exit signs for the revised and updated floor plans. Testing of the system will be required prior to use of the rack storage. See IBC chapter 10 for lighting requirements.

Provide load limit placards in each rack area, type, and/or shelf with variation in load limits per engineers design. Placards to be durably constructed and posted for inspection. See RMI standards for details.

Do not use or load racks until after Final Inspection Approval.

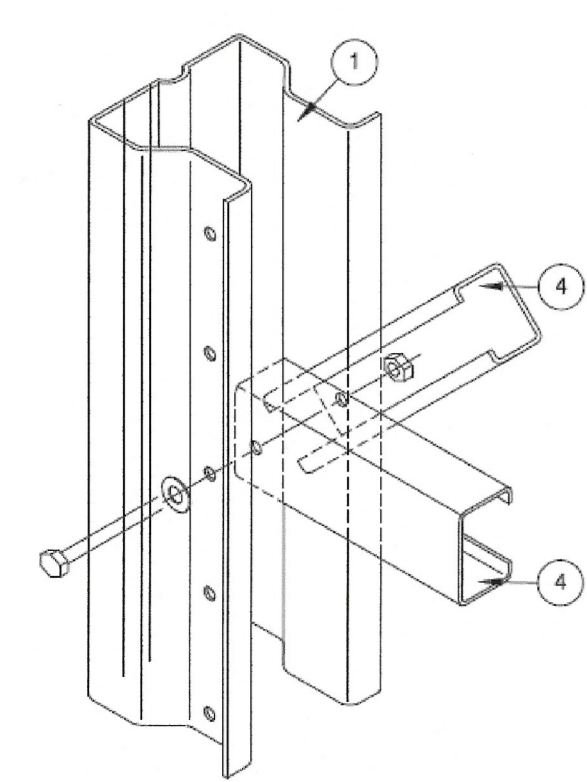
Provide special inspection report to City inspector during inspections.

Approval of submitted plans is not an approval of omissions or oversights by this office or non compliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable codes and regulations of the local government.

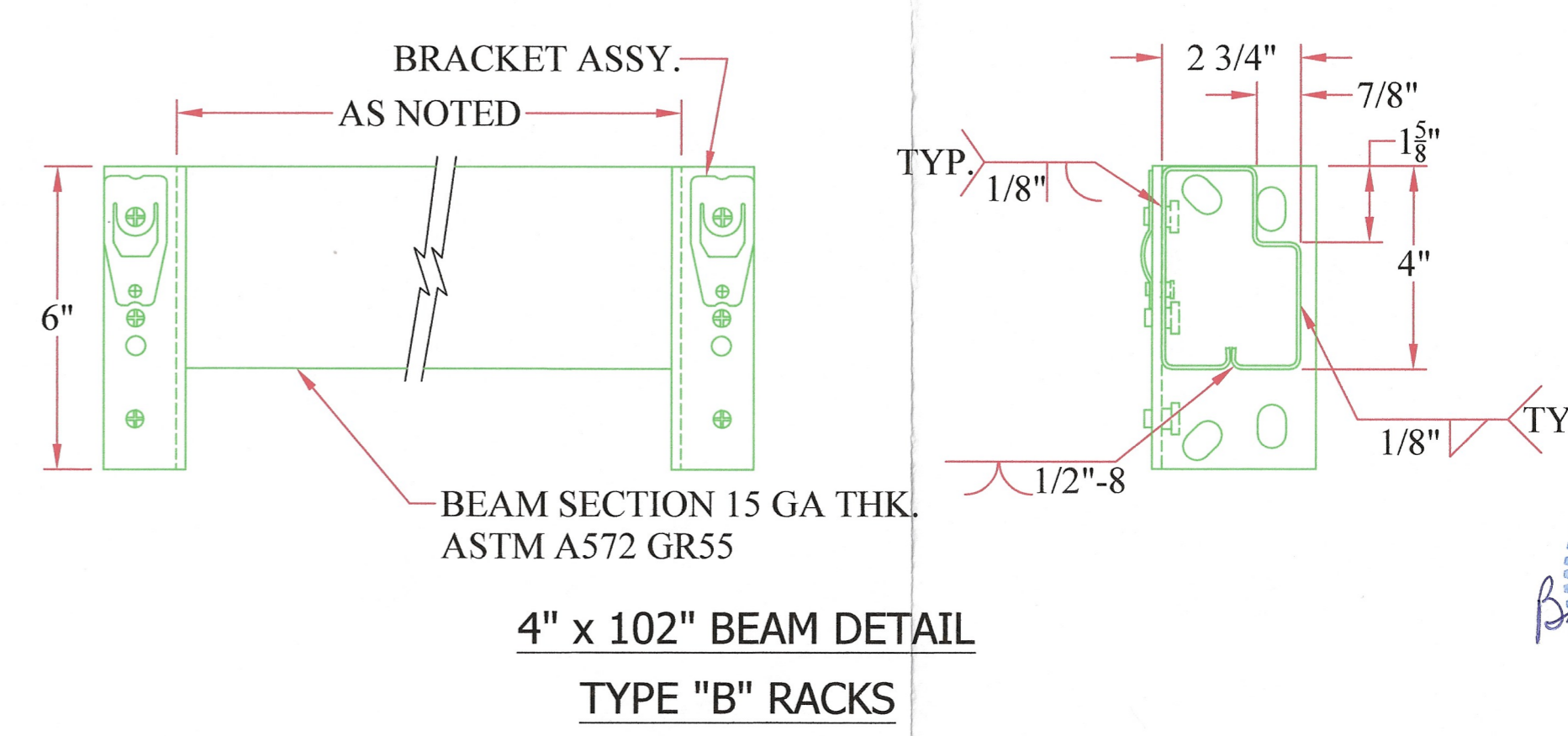
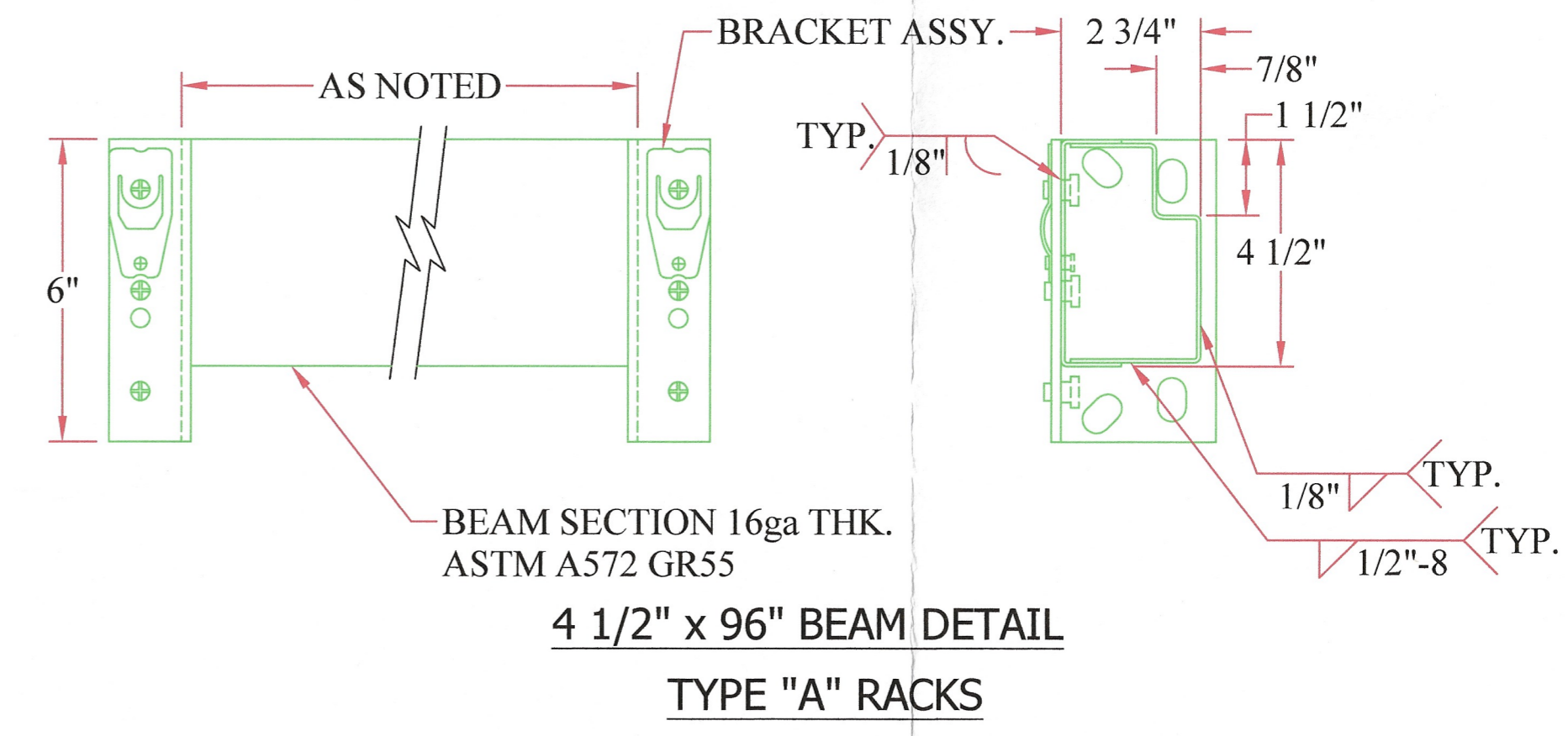
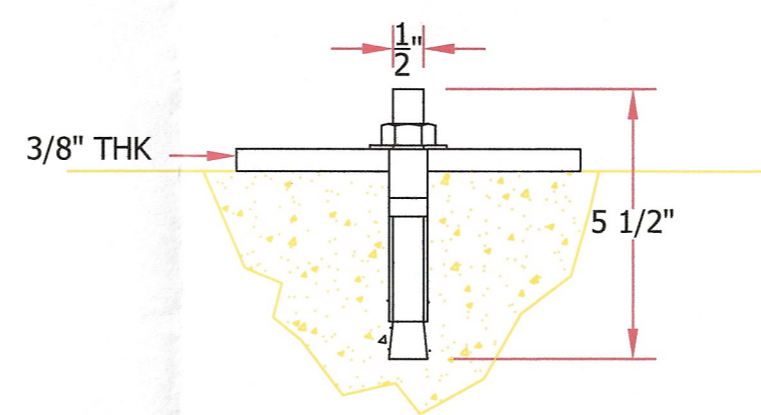
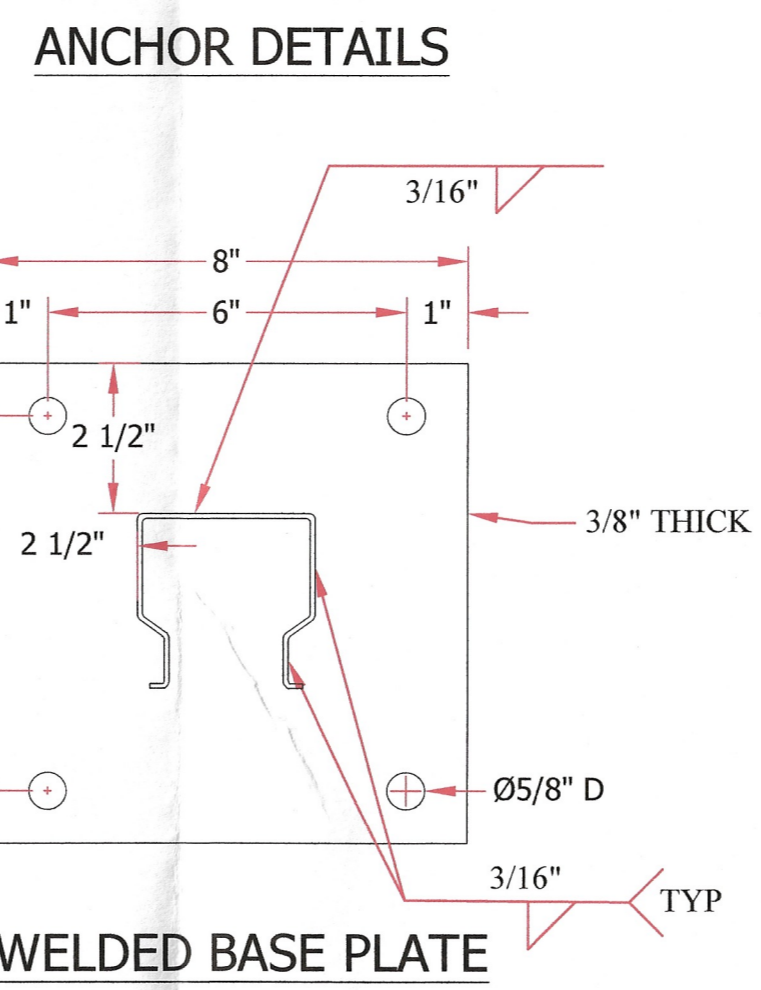
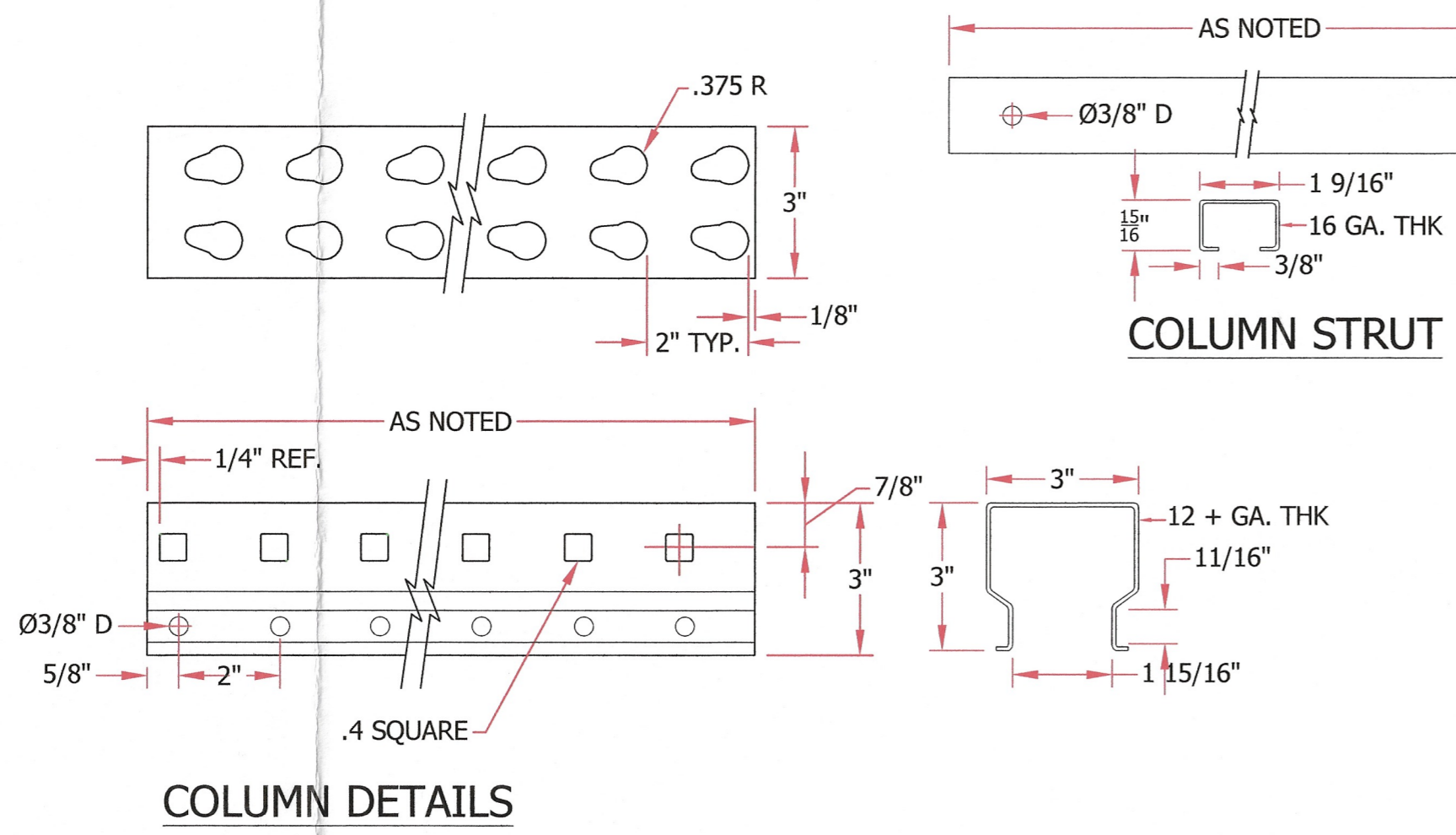
The approved construction plans, documents, and all engineering must be posted on the job at all inspections in a visible and readily accessible location.

Full sized legible color plans are required to be provided by the permittee on site for inspection.

RACK ELEVATIONS SCALE: 1/2" = 1'



BRACING CONNECTION DETAIL
LOAD BEARING BOLTS



City of Puyallup Building Reviewed for Compliance

BSnowden
05/13/2024
3:35:02 PM

City of Puyallup Development & Permitting Services ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

Basel K. Pothula
 PROFESSIONAL ENGINEER
 12550
 4/29/24

RACK DETAILS SCALE: 3" = 1'

NO.	DATE	REVISION DESCRIPTION	BY
1			
2			
3			
4			
5			
6			

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Mr. Racks, LLC
 CONTRACTOR'S LICENSE # MRAC1924BN
 500 SW 16TH ST RENTON, WA 98057 (425) 207-0058
 WHERE CUSTOMERS ARE FIRST

APPROVED	DATE	BY

DRAWINGS PREPARED FOR
Cimco Sales
 2315 Inter Ave
 Puyallup WA 98372
 Pallet Rack Details

DRAWN BY: MTP
 SCALE: AS SHOWN
 DATE: 3-27-2024
 DRAWING NO:
 CHECKED BY:
 SHEET NO. 3
 OF 3 SHEETS