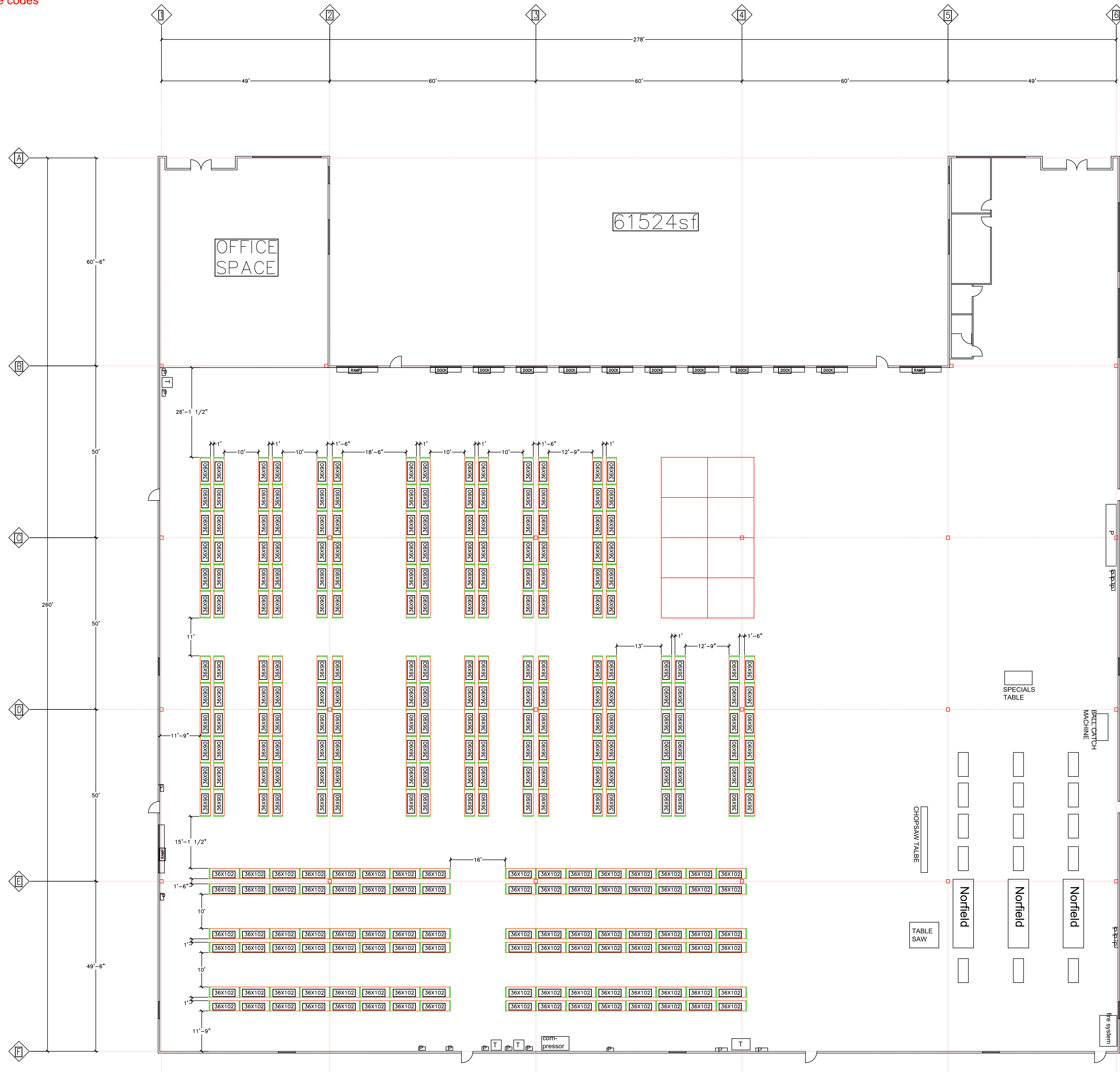


Approval of submitted plans is not an approval of omissions or oversights by this office or noncompliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable codes and regulations of the local government.

Received
Development Services
November 30, 2021
CITY OF PUYALLUP



THE APPROVED CONSTRUCTION PLANS AND ALL ENGINEERING PLANS MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION.

FULL SIZED LEDGIBLE COLOR PLANS ARE REQUIRED TO BE PROVIDED BY THE PERMITTEE ON SITE FOR ALL INSPECTIONS (MIN. PLAN SIZE 24" X 36")

1013.1 Exits and exit access doors shall be marked by an approved exit sign readily visible from any direction of egress travel. The path of egress travel to exits and within exits shall be marked by readily visible exit signs to clearly indicate the direction of egress travel in cases where the exit or the path of egress travel is not immediately visible to the occupants. Intervening means of egress doors within exits shall be marked by exit signs. Exit sign placement shall be such that no point in an exit access corridor or exit passageway is more than 100 feet (30 480 mm) or the listed viewing distance for the sign, whichever is less, from the nearest visible exit sign.

1013.6.2 Exit sign illumination.
The face of an exit sign illuminated from an external source shall have an intensity of not less than 5 footcandles (54 lux).

1013.6.3 Power source.
Exit signs shall be illuminated at all times. To ensure continued illumination for a duration of not less than 90 minutes in case of primary power loss, the sign illumination means shall be connected to an emergency power system provided from storage batteries, unit equipment or an on-site generator. The installation of the emergency power system shall be in accordance with Chapter 27.

APPROVED

Reviewed for Building Code Compliance

By David Leahy ✓

Building Permit No. B-21-0945

Date of Approval 11/30/2021

PLAN VIEW

901 N LEVEE ROAD CODEL ENTRY SYSTEMS

SHEET NUMBER

1

CODEL ENTRY SYSTEMS
PUYALLUP, WA

ANCHORAGE
PORTLAND
SPOKANE
EUGENE
YAKIMA

NORTHWEST
F A B R I C A T I O N S Y S T E M S, I N C.
1100 SW 7TH STREET
RENTON, WA 98055
(425) 255-0500

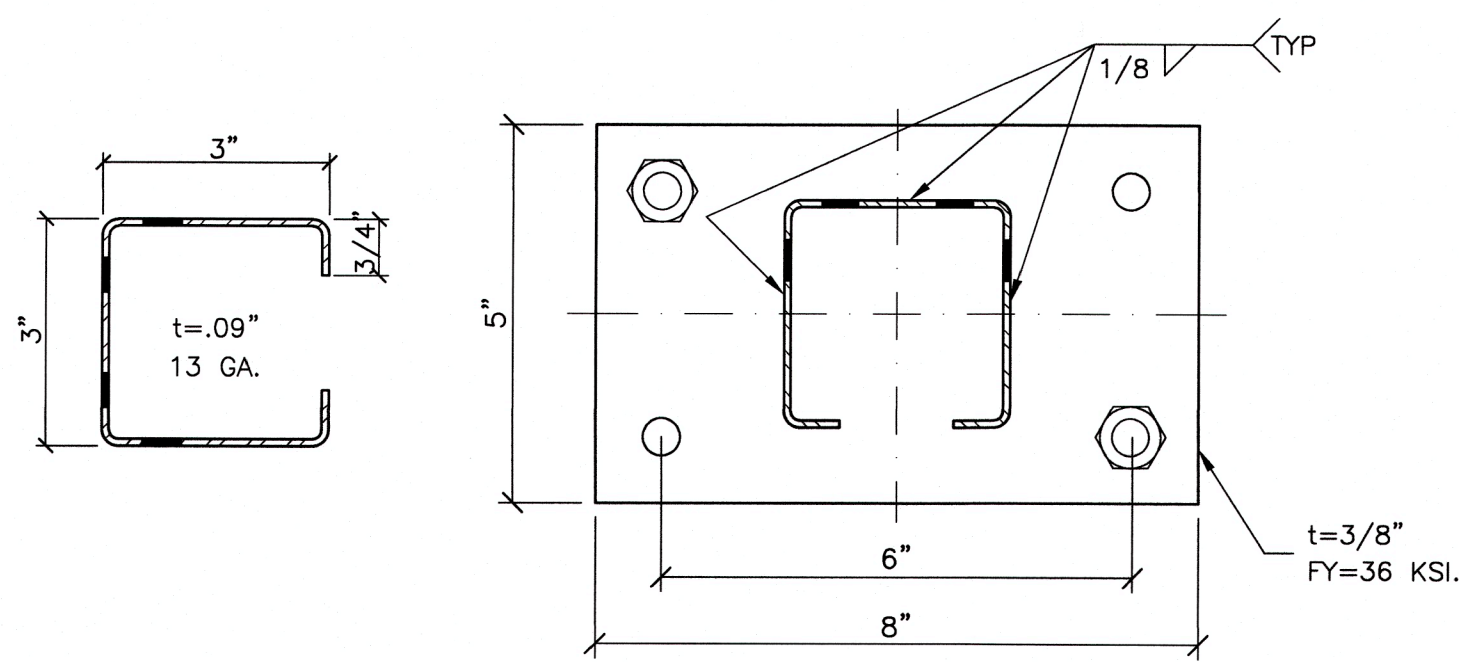


RACK LAYOUT

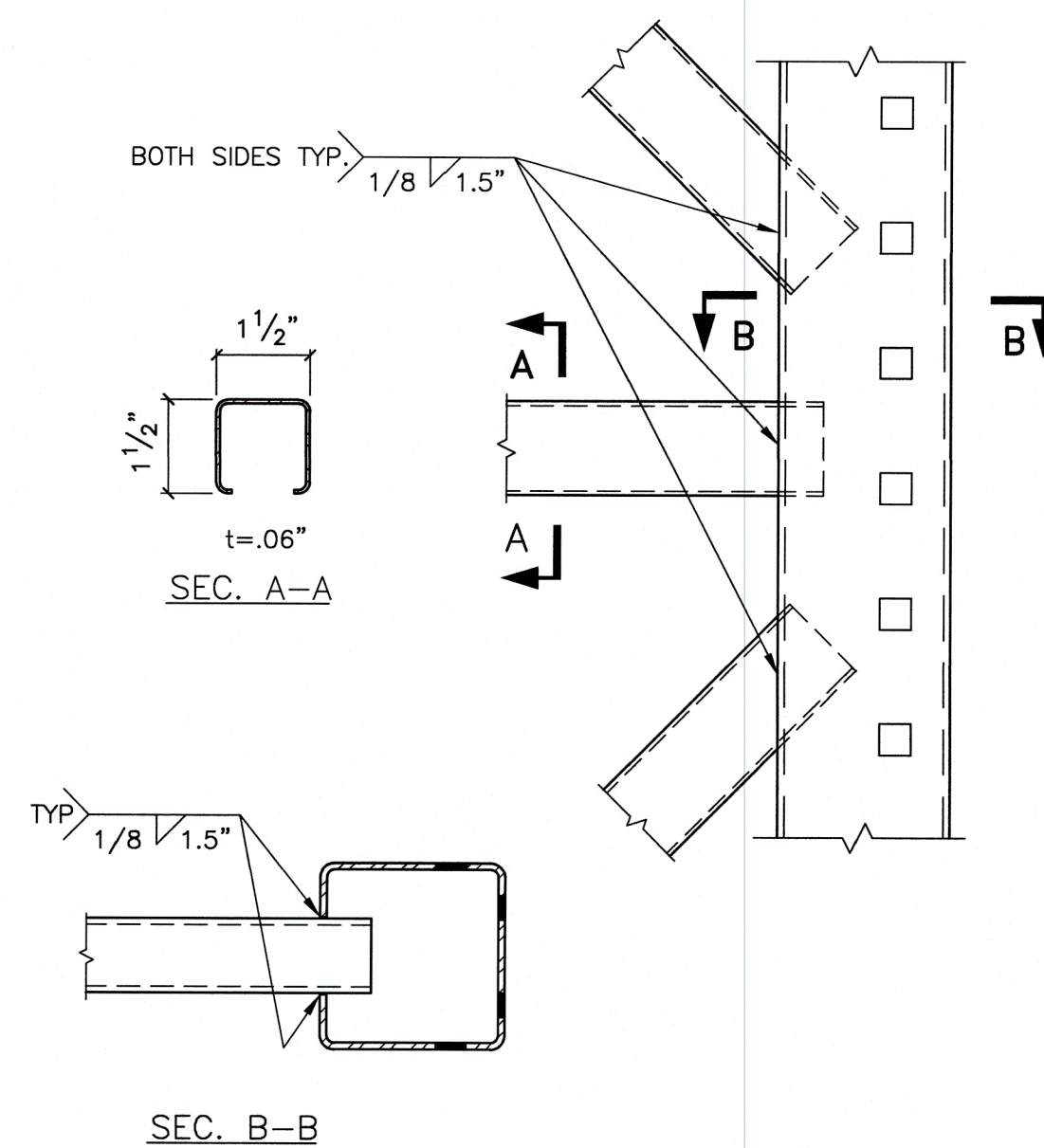
AS SHOWN
DATE 10/22/21
DRAWN BY CAMERON MARTIN

DRAWING NUMBER

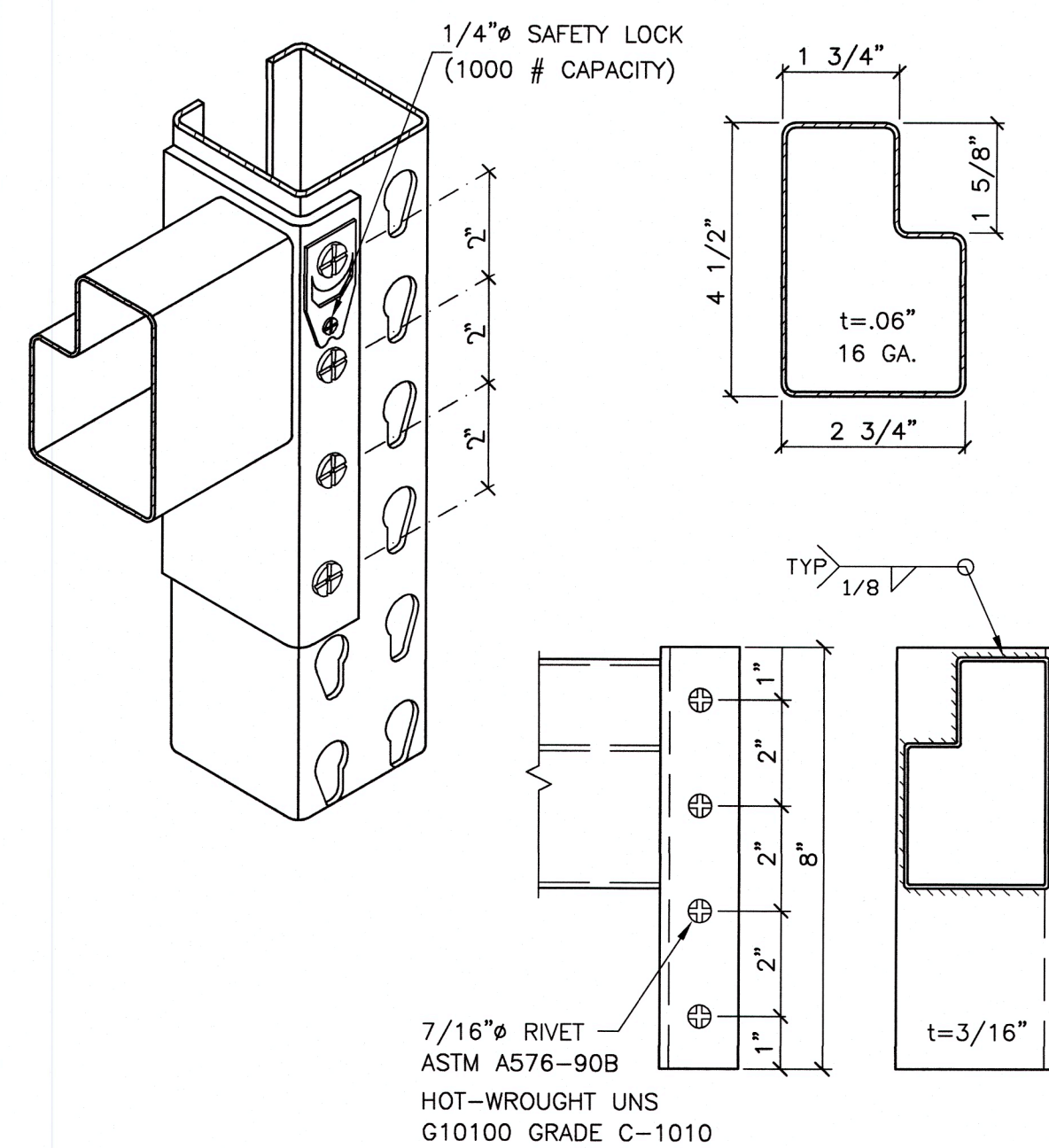
D-1



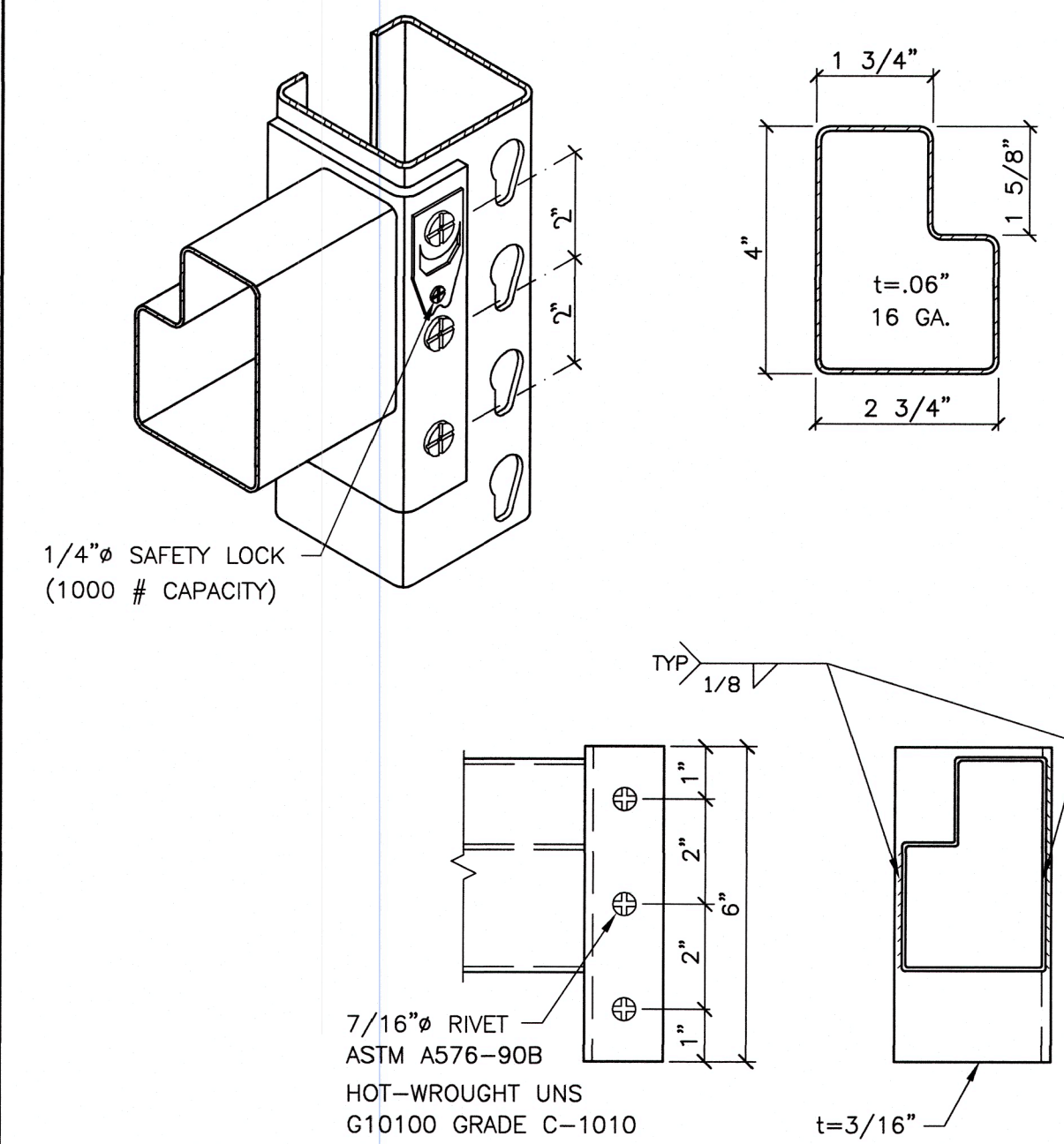
BASE PLATE DETAIL



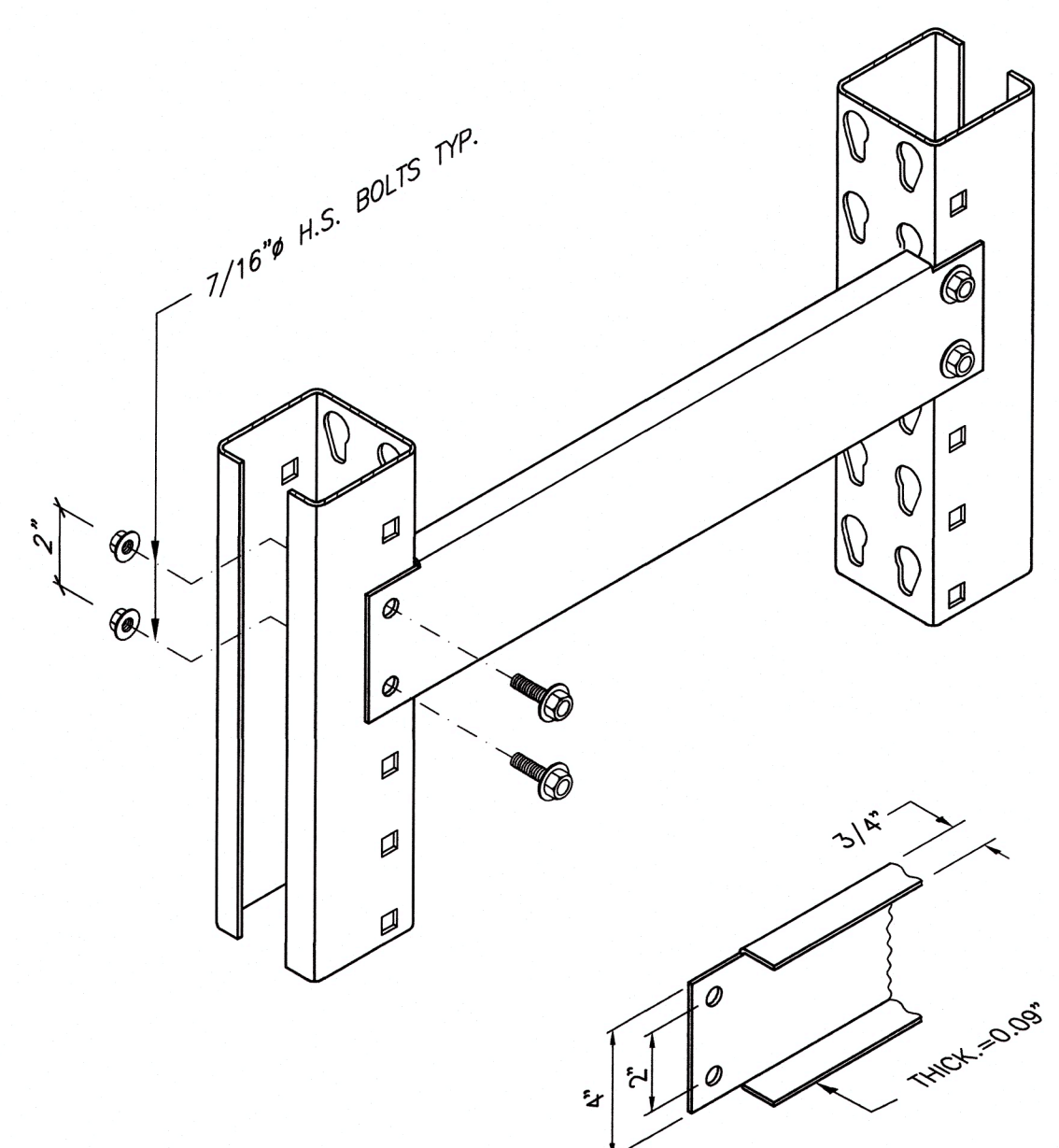
BRACING DETAIL



4 PIN CONNECTION



3 PIN CONNECTION



ROW SPACER

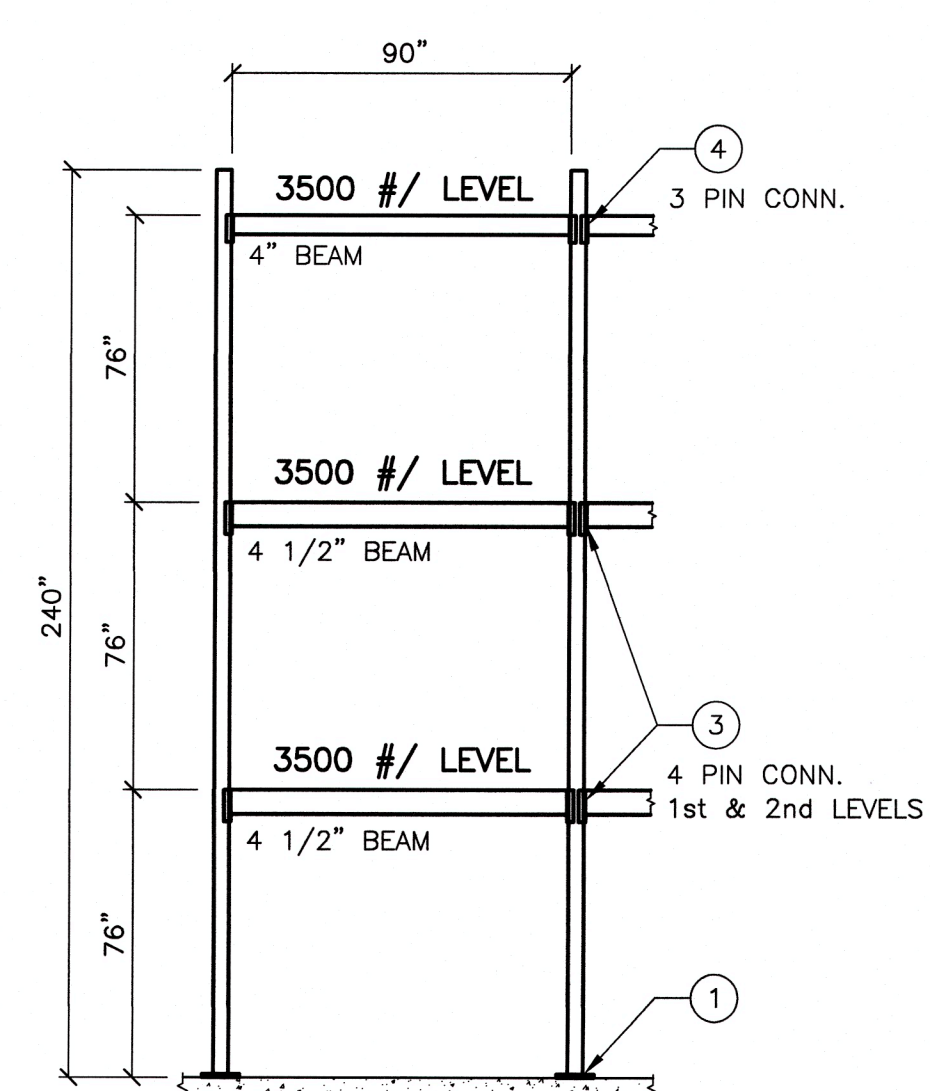
ESR-1917 Excerpt

4.3 Installation: Installation parameters are provided in Tables 1A, 1B and 1C and Figure 2. SA, SB, SC, and SD. Anchor locations must comply with this report and plans and specifications approved by the code official. The Hilti HD-TZ must be installed in accordance with manufacturer's published instructions and the report in case of conflict. The report governs. Anchors must be installed in holes drilled into the concrete using carbide-tipped rotary drill bits complying with ANSI B212.15-1994 or using the Hilti "Safe-Drill System" with TE-TD or TE-CD Hollow Drill Bits complying with ANSI B212.15-1994 with a Hilti vacuum with a minimum value for the maximum vacuum flow rate of 120 CFM (61 ft³/min). The Hollow Drill Bits are not permitted for use with the 1/2" and 3/4" diameter HD-TZ anchors. The minimum drilled hole depth, A_u is given in Tables 1A and 1B. When drilling is not removed after hole drilling, make sure to drill deep enough to achieve A_u, taking into account the depth of debris remaining in the hole. If dust and debris is removed from the drilled hole with the Hilti TE-VD or TE-CD Hollow Drill Bits or compressed air or a manual pump, A_u is achieved at the specified value of A_u noted in Tables 1A and 1B. The anchor must be hammered into the specified hole until A_u is achieved. The nut must be hand-tightened against the washer until the torque values specified in Tables 1A and 1B are achieved. For installation in the soffit of concrete on steel deck assemblies, the hole diameter in the steel deck not exceed the diameter of the hole in the concrete by more than 1/8 inch (3.2 mm). For member thickness and edge distance restrictions for installations into the soffit of concrete on steel deck assemblies, see Figures SA, SB and SC. The 1/2", 3/4", and 1" anchors may be installed using the Hilti "Safe-Drill" System consisting of the Hilti SW-AF-A22 Impact Whacker used together with the Hilti SA-AF-A22 Adapter Torque Module in accordance with the manufacturer's published installation instructions as shown in Figure 7A.

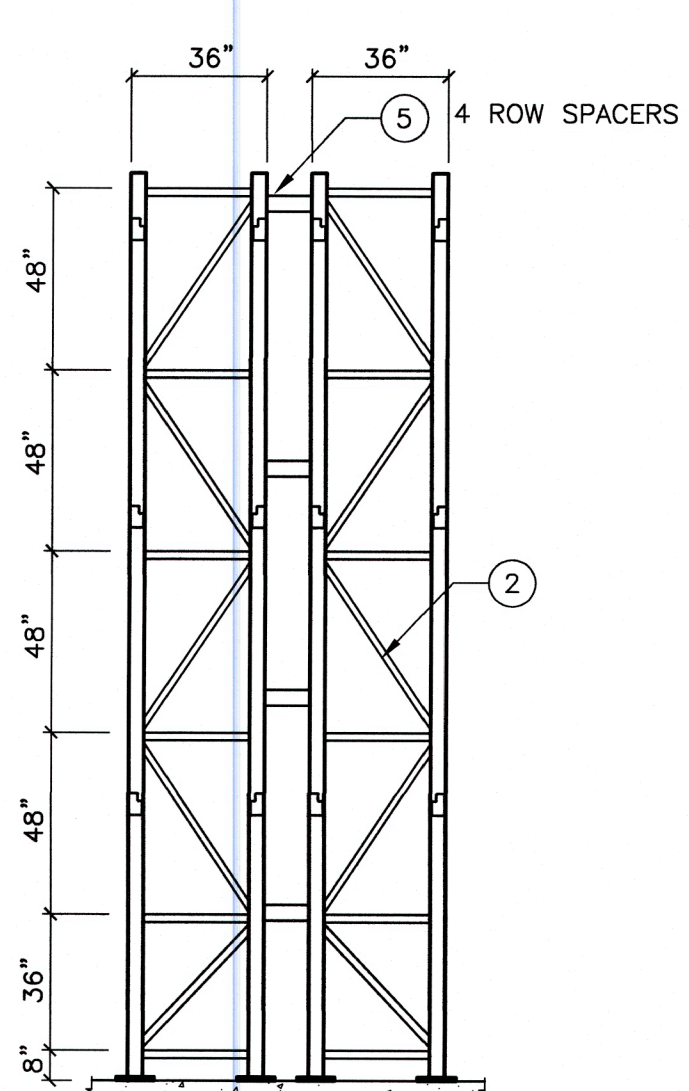
4.4 Special Inspection: Periodic special inspection is required in accordance with Section 1705.11 and Table 1705.3 of the 2018 and 2015 IBC and 2012 IRC, Section 1704.15 and Table 1704.4 of the 2009 IBC, as applicable. The special inspector must make periodic inspections during anchor installation to verify anchor type, anchor placement, concrete type, concrete compression strength, anchor spacing, edge distance, concrete cover, reinforcement, spacing, beam, hole dimensions, anchor embedment and adherence to the manufacturer's published installation instructions. The special inspector must be present as often as required in accordance with the "statement of special inspection." Under the IBC, additional requirements as set forth in Sections 1705, 1706 and 1707 must be observed, where applicable.

ANCHORS TO BE INSTALLED AND INSPECTED PER THE ESR REPORT ATTACHED.

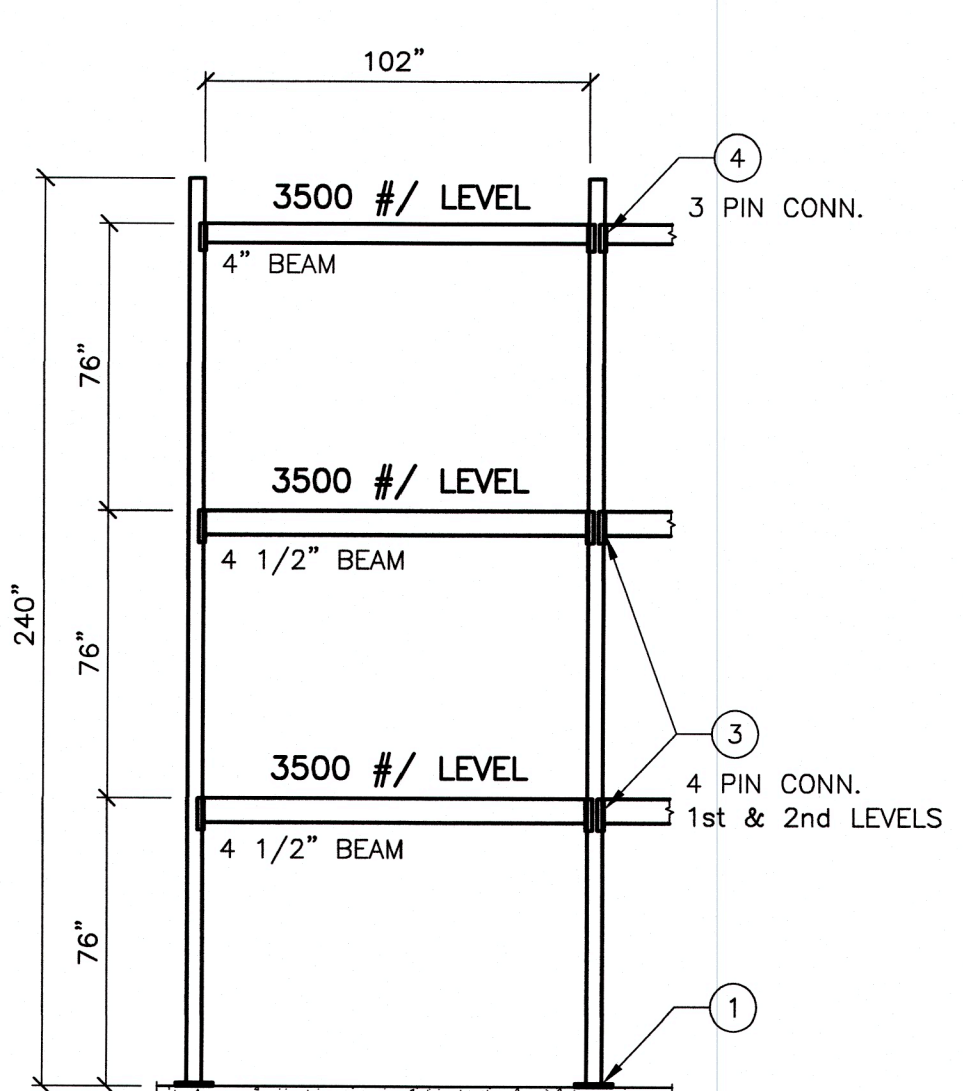
Received Development Services November 17, 2021 CITY OF PUYALLUP



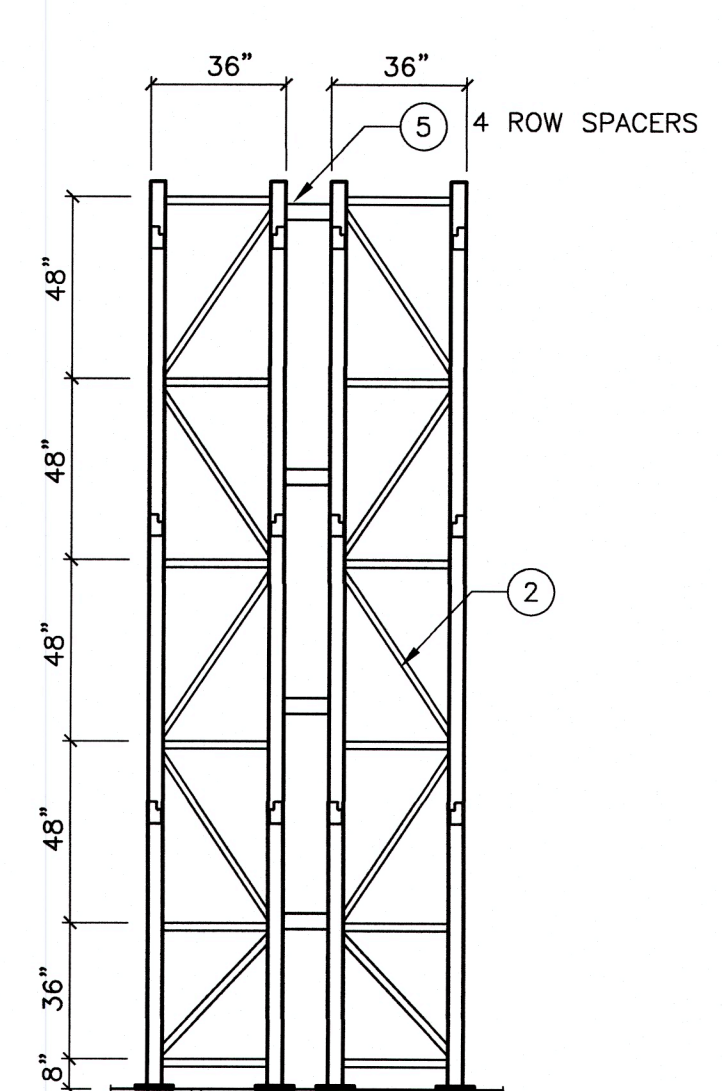
TYPE-1



SIDE VIEW



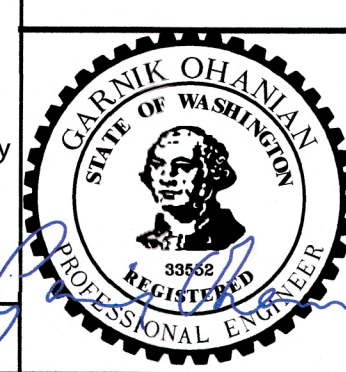
TYPE-2



SIDE VIEW

- NOTES:**
- DESIGN OF STEEL STORAGE RACKS AS SHOWN BY THESE DRAWINGS AND CALCULATIONS ARE IN COMPLIANCE WITH THE REQUIREMENTS OF THE IBC 2018, ASCE/SEI 7-16, ACI 318-14, RMI/ANSI MH 16.1:2012
 - STEEL FOR ALL SHAPES FY=55 KSI, ASTM A1011 GR.55 (EXCEPT AS NOTED)
 - NO FIELD WELDING IN THIS PROJECT ALL WELDED CONSTRUCTION IN THE SHOP OF THE APPROVED FABRICATOR #FB01649 (E70XX ELECTRODES)
 - ALL ANCHORS HILTI KB TZ ESR-1917 MIN. OF 20% OF ALL ANCHORS PER PERIODIC SPECIAL INSPECTION IS REQUIRED ENGINEER OF RECORD.
 - CONCRETE SLAB 6" THICK 2500 PSI. SOIL BEARING CAPACITY 1000 PSF
 - STORAGE RACK CAPACITY: 3500 #/ LEVEL
 - RACK INSTALLATIONS SHALL DISPLAY IN ONE OR MORE CONSPICUOUS LOCATIONS A PERMANENT SIGN OF 50 SQUARE INCHES IN AREA, SHOWING THE CAPACITY OF THE RACK (3500 #/ LEVEL)
 - STORAGE RACKS SHALL BE INSTALLED WITH A MAXIMUM TOLERANCE FROM THE VERTICAL OF 1/2" IN 10'-0" OF HEIGHT
 - THE CLEAR SPACE BELOW SPRINKLERS SHALL BE A MINIMUM OF 18 INCHES BETWEEN THE TOP OF THE STORAGE AND THE CEILING SPRINKLER DEFLECTOR.
 - STORAGE RACK AREA NOT OPEN TO PUBLIC, EMPLOYEE ACCESS ONLY

Digitally signed by Garnik Ohanian Date: 2021.11.04 11:43:06 -0700'



RACK DESIGN AND ENGINEERING
412 WEST BROADWAY, SUITE #204, GLENDALE, CA. 91204

SCALE: NONE DRAWN BY: JKB
DATE: 10-19-2021
PROJECT: CODEL ENTRY SYSTEMS CORPORATION
901 NORTH LEVEE ROAD, PUYALLUP, WA 98371
STORAGE RACK DETAILS JOB NO. RD-20711 SHEET NO.

EXPIRES 12-26-21