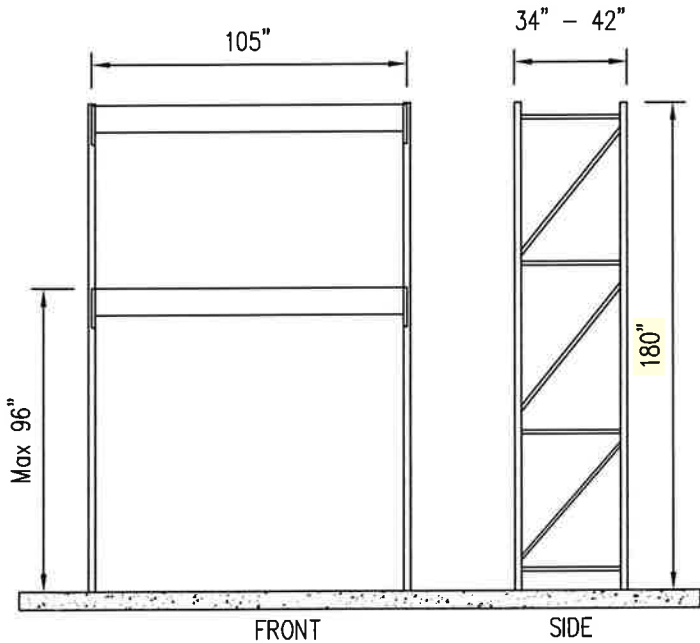
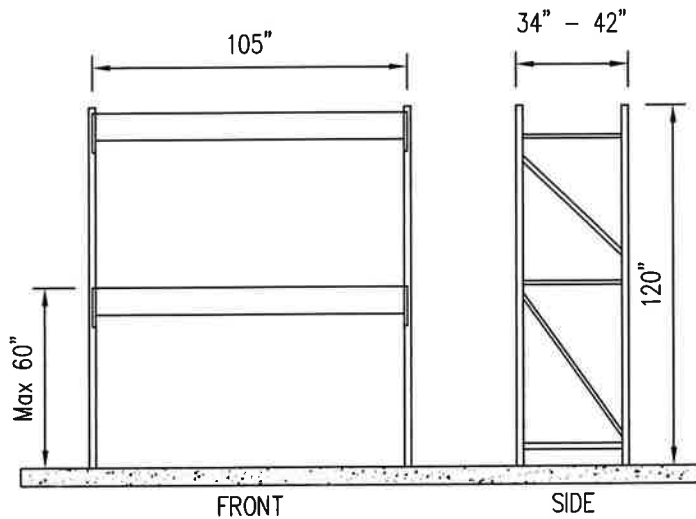


GENERAL NOTES:

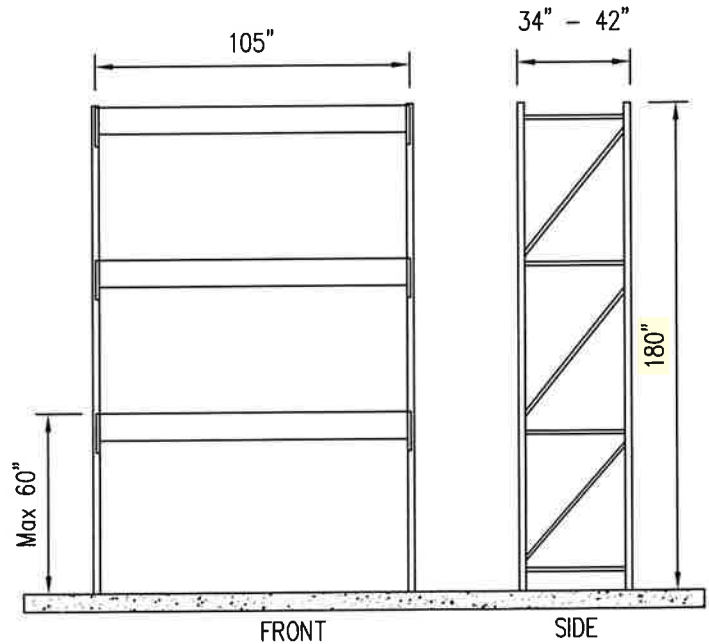
1. This drawing shows typical unit material and geometry. See Price/Costco fixture plan RP - 1 for location within store. See Gary K. Munkelt & Associates, LLC Drawings RU-9 for details of the rack components.
2. ARRANGEMENT
Not all configurations may be installed.
A unit may have any number of beam levels if the loads per bay and the maximum spacings shown are not exceeded
3. MATERIAL
Components shown are minimum sizes.
Larger/heavier components may be substituted.
4. ANCHORAGE
Use ICC approved anchors per RU-9 UNO
Use minimum embedment of 4.5" for Wedge Type anchors for 2 & 3 Level Racks (For Screw Type anchors use a minimum embedment of 5". (Minimum embedment = Top of Concrete Slab to Bottom Tip of Anchor)
5. PERIODIC SPECIAL INSPECTIONS - are required for for storage racking 8ft in height or greater for anchorage, materials used, fabricated elements, and the completed storage rack system per Table 1705.13.7 of the 2021 Washington State Building Code. See Table 1705.13.7 below for special inspection requirements.



MERCHANDISE DISPLAY RACK
Upright: Min. UF-H-33I
Seismic Footplate (7.5" x 5" x 3/8")
Beams:
RB-S-500
Maximum loads:
5,000 lbs per level
10,000 lbs per bay



2 LEVEL RACKS
Upright: Min. UF-H-33I
Seismic Footplate (7.5" x 5" x 3/8")
Beams:
RB-S-500
Maximum loads:
5,000 lbs per level
10,000 lbs per bay



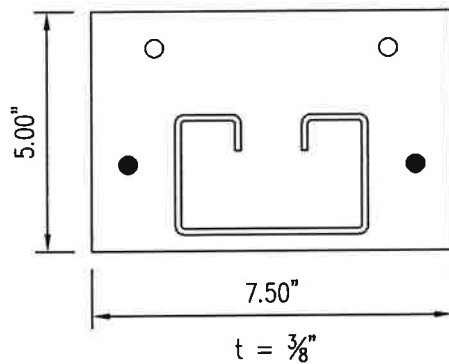
3 LEVEL RACKS
Upright: Min. UF-H-33I
Seismic Footplate (7.5" x 5" x 3/8")
Beams:
RB-S-500
Maximum loads:
5,000 lbs per level
15,000 lbs per bay

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.

TYPE	CONTINUOUS INSPECTION	PERIODIC INSPECTION	REFERENCED STANDARD	IBC REFERENCE
1. Materials used, to verify compliance with one or more of the material test reports in accordance with the approved construction documents.	-----	X	-----	-----
2. Fabricated storage rack elements.	-----	X	-----	SECTION 1704.2.5
3. Storage rack anchorage installation.	-----	X	ANSI/MH16.1 SECTION 7.3.2	-----
4. Completed storage rack system, to indicate compliance with the approved construction documents.	-----	X	-----	-----

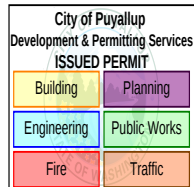


- Anchor Locations
- Preferred
 - Alternate

Alternate holes shall only be used when anchor cannot be set in preferred hole, There shall be at least one anchor on the left and right side of the post as viewed from the front.

ANCHORAGE

SUPERCEDES RU-9 FOR 180" RACKS



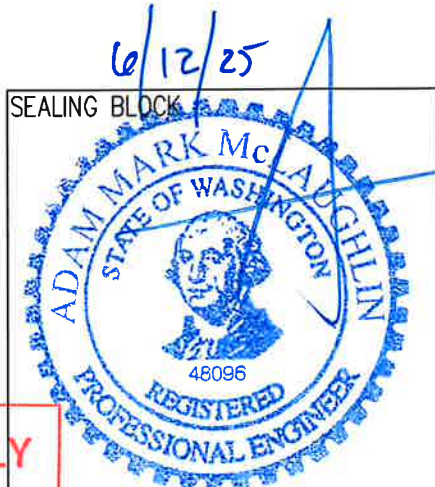
City of Puyallup
Building
REVIEWED
FOR
COMPLIANCE

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06/20/2025
9:09:40 AM



PRCTI20250452

STRUCTURAL DESIGN ONLY



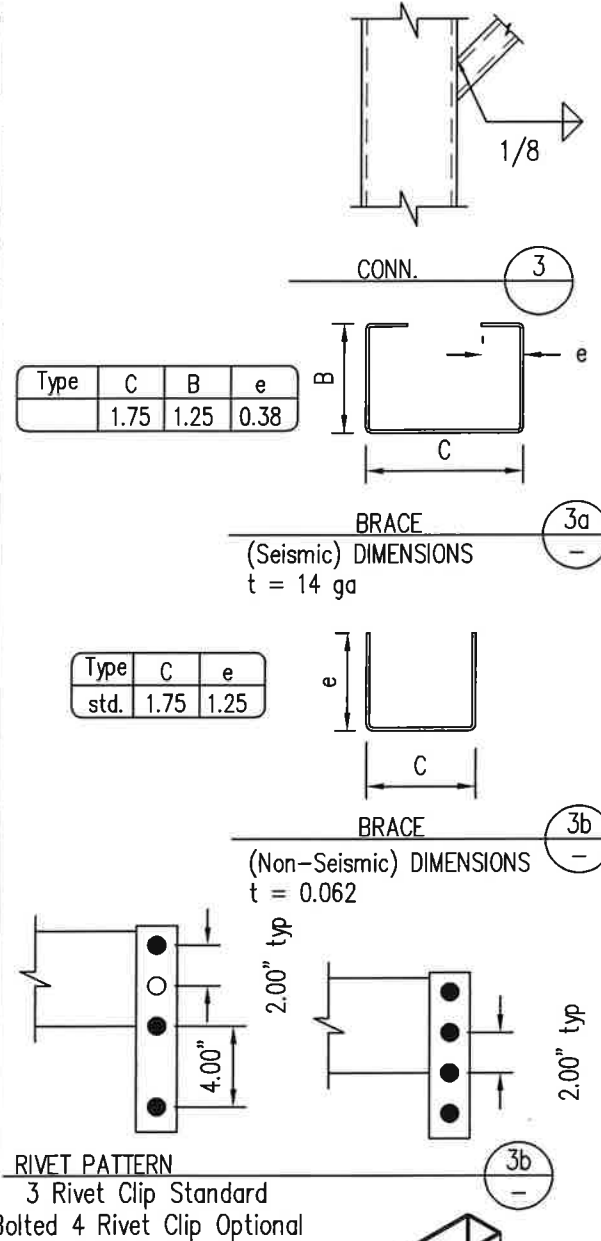
Gary K. Munkelt & Associates, LLC
Structural Consulting Engineers
121 East Chestnut Street, Suite 101
Souderton, PA 18964
Phone 215-855-8713

DATE
06/10/2025
DRAWN
CMS
CHECKED
BJM
APPROVED

COSTCO #660 - PUYALLUP
1201 39TH STREET
PUYALLUP, WA 98373
STORAGE RACKS
TYPICAL CONFIGURATIONS

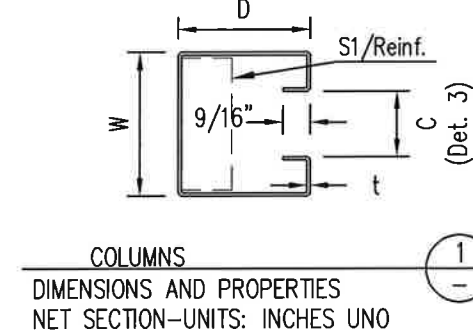
GKM JOB #
2503032 R3
DRAWING #
CW-10

Type	A	B	d	t	Sx	Ix
RB-L-300*	3.00	2.50	1.63	0.066	0.49	0.80
RB-S-300*	3.00	2.50	1.63	0.075	0.55	0.90
RB-L-350	3.50	2.50	1.63	0.066	0.72	1.29
RB-S-350	3.50	2.50	1.63	0.075	0.82	1.45
RB-R-350	3.50	2.50	1.63	0.085	0.93	1.64
RB-L-355*	3.55	2.50	1.63	0.066	0.63	1.20
RB-S-355*	3.55	2.50	1.63	0.075	0.72	1.36
RB-L-400	4.00	2.50	1.63	0.066	0.88	1.78
RB-S-400	4.00	2.50	1.63	0.075	1.00	2.01
RB-R-400	4.00	2.50	1.63	0.085	1.13	2.27
RB-L-410*	4.10	2.50	1.63	0.066	0.79	1.72
RB-S-410*	4.10	2.50	1.63	0.075	0.90	1.95
RB-L-450	4.50	2.50	1.63	0.066	1.06	2.39
RB-S-450	4.50	2.50	1.63	0.075	1.19	2.70
RB-R-450	4.50	2.50	1.63	0.085	1.35	3.05
RB-L-465*	4.65	2.50	1.63	0.066	0.97	2.36
RB-S-465*	4.65	2.50	1.63	0.075	1.10	2.68
RB-L-500	5.00	2.50	1.63	0.066	1.24	3.10
RB-S-500	5.00	2.50	1.63	0.075	1.40	3.51
RB-R-500	5.00	2.50	1.63	0.085	1.58	3.97
RB-L-550	5.50	2.50	1.63	0.066	1.43	3.94
RB-S-550	5.50	2.50	1.63	0.075	1.62	4.46
RB-R-550	5.50	2.50	1.63	0.085	1.82	5.05
RB-L-600*	6.00	2.50	1.63	0.066	1.47	4.54
RB-S-600*	6.00	2.50	1.63	0.075	1.66	5.15
RB-R-600*	6.00	2.50	1.63	0.085	1.84	5.71
RB-L-650*	6.50	2.50	1.63	0.066	1.67	5.59
RB-S-650*	6.50	2.50	1.63	0.075	1.88	6.29
RB-R-650*	6.50	2.50	1.63	0.085	2.15	7.19

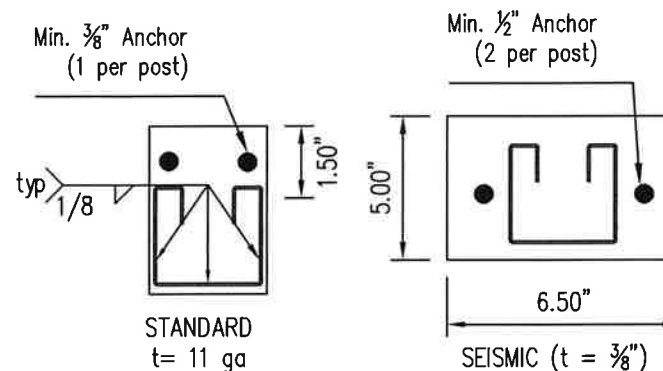


Type	W	D	t	As	Sx	rx	ry
UF-S-32I	3.00	2.75	0.075	0.56	0.55	1.21	0.84
UF-S-33I	3.00	2.75	0.075	0.64	0.65	1.21	0.98
*UF-S-33I	3.00	2.75	0.075	1.10	1.01	1.14	0.81
UF-R-33I	3.00	2.75	0.087	0.73	0.73	1.20	0.97
UF-M-33I	3.00	2.75	0.100	0.82	0.82	1.20	0.96
UF-Y-33I	3.00	2.75	0.110	0.91	0.89	1.19	0.95
UF-H-33I	3.00	2.75	0.125	1.03	1.00	1.18	0.94
UF-M-43I	4.00	2.75	0.100	0.92	1.21	1.59	1.00
UF-H-43I	4.00	2.75	0.125	1.12	1.45	1.58	0.99

*w/S1 Reinforcement

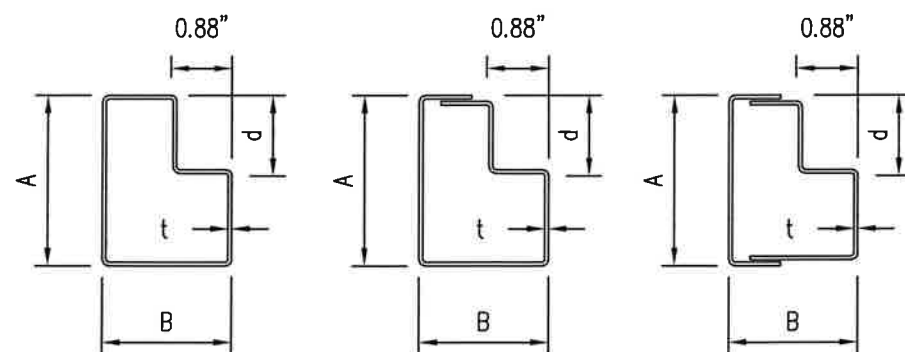


See sheet CW-10 for anchorage at 180" racks.



GENERAL NOTES:

- This drawing shows standard details of the rack product line only. See engineer approved installation drawings CW-10 (same job number) for components used, special details, arrangement, dimensions, and additional information.
 - The installation drawings govern over this drawing.
 - MATERIAL
Steel - ASTM A1008 Grade 55 UNO
Welding electrodes - AWS E70-XX (all welds single pass fillet welds designed at 50% stress levels)
 - Concrete Anchors shall be ICC approved types for installation into cracked concrete. e.g.:
Simpson Strong Tie Strong bolt (#3037), Titen (#2713)
DeWalt / Powers/Rawl Power Stud+SD2 (#2502), Atomic (#3067) DeWalt Screw-Bolt+ Screw Anchor (#3889)
Hilti Kwik Bolt HSL 3 (#1545), Kwik Bolt TZ (#1917), Kwik Bolt TZ2 (#4266)
HUS-EZ (#3027)
- Refer to drawing CW-10 for anchoring embedment.
Periodic Special Inspections are required for for storage racking 8ft in height or greater for anchorage, materials used, fabricated elements, and the completed storage rack system per Table 1705.13.7 of the 2021 Washington State Building Code. See Table 1705.13.7 on CW-10 for special inspection requirements.

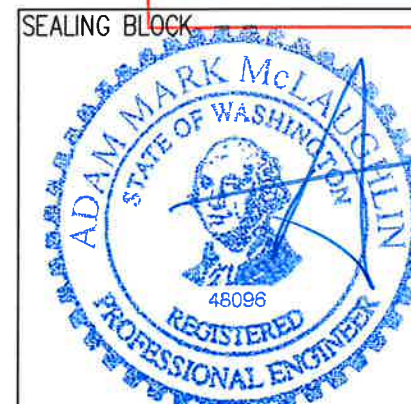
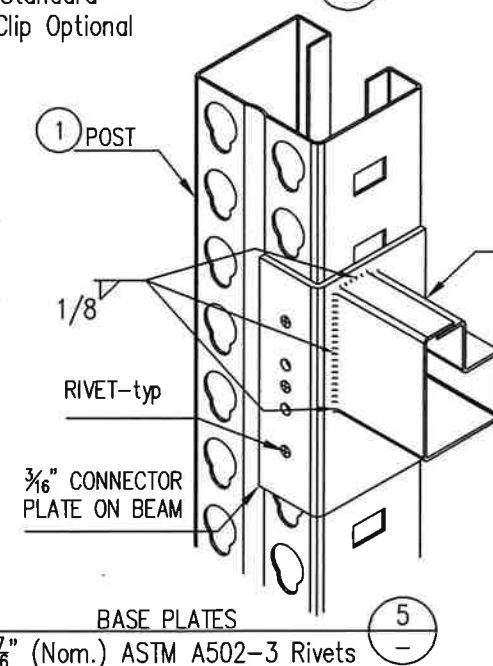


*Induction Welded
Rolled Beams

Overlapped
Rolled Beams

**Two Piece
Rolled Beams

BEAMS
DIMENSIONS AND PROPERTIES
UNITS: INCHES UNO



Gary K. Munkelt &
Associates, LLC
Structural Consulting Engineers
121 East Chestnut Street, Suite 101
Souderton, PA 18964
Phone 215-855-8713

DATE
06/10/2025
DRAWN
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COSTCO #660 - PUYALLUP
1201 39TH STREET
PUYALLUP, WA 98373
RIDG-U-RAK
STORAGE RACKS



PRCTI20250452

CKM JOB #
2503032 R3
DRAWING #
RU-9

Welding to be completed by an individual or fabricator who is WABO certified or approved by the Building Official to perform the work. All welds must be inspected and approved by a WABO certified special inspector.

