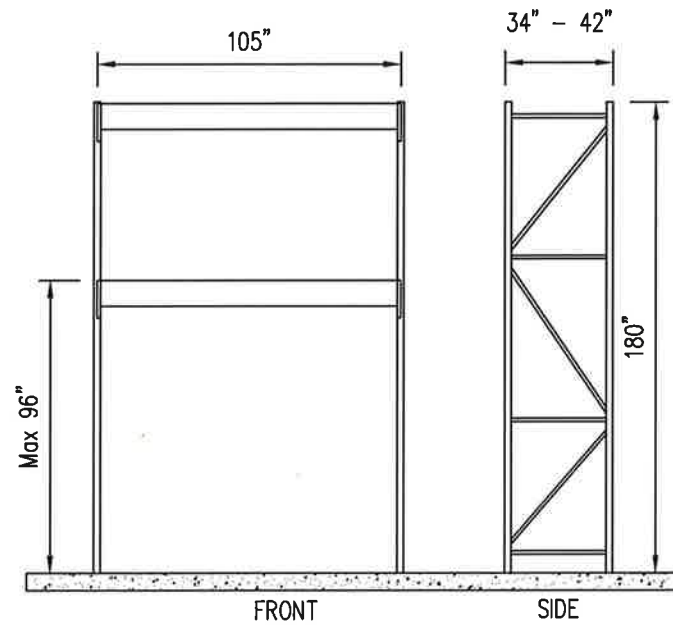
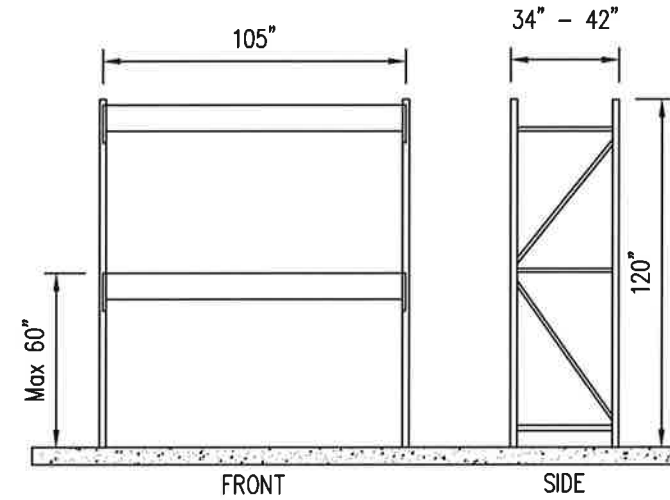


GENERAL NOTES:

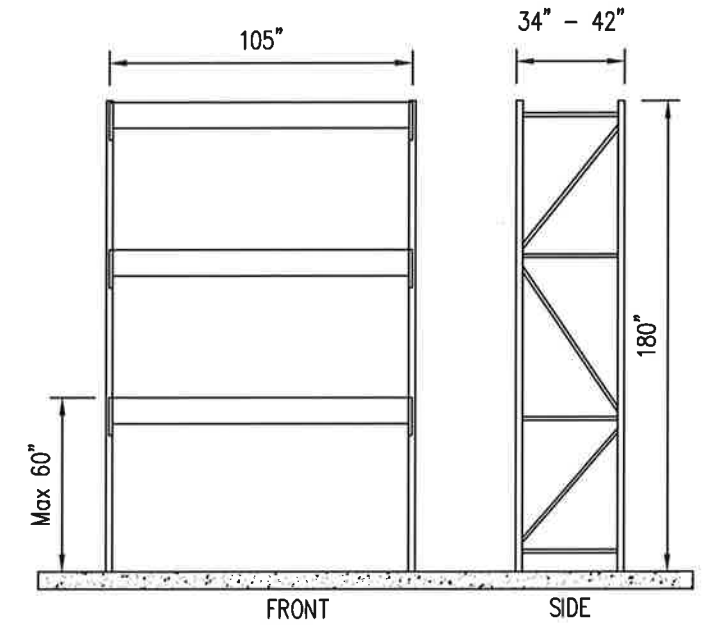
1. This drawing shows typical unit material and geometry. See Price/Costco fixture plan for location within store. See Gary K. Munkelt & Associates, LLC Drawings RU-9 for details of the rack components.
2. **ARRANGEMENT**
Not all configurations may be installed. A unit may have any number of beam levels 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. Periodic Special Inspections for post installed anchors are not required unless the City of Puyallup, WA Building Authority demands an inspection.



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

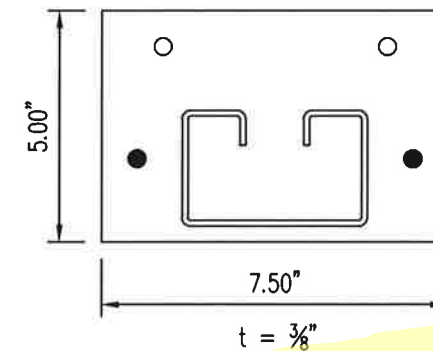


3 LEVEL RACKS
Upright: Min. UF-H-33I
Seismic Footplate (7.5" x 5" x 3/8")
Beams:
RB-S-500
Maximum loads:
5,000 lbs per level
15,000 lbs per bay

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

SPECIAL INSPECTION WILL BE REQUIRED PER THE ESR REPORTS AND IBC TABLE 1705.3 BY A WABO APPROVED TESTING AGENCY AND THE REPORTS AND FINAL LETTER PRIOR TO A FINAL INSPECTION. DL.

FULL SIZED LEDGIBLE COLOR PLANS ARE REQUIRED TO BE PROVIDED BY THE PERMITTEE ON SITE FOR ALL INSPECTIONS MIN. PLAN SIZE 11 X 17



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
1/2" DIAMETER EXTERNAL THREAD (SCREW ANCHORS) 4" MINIMUM EFFECTIVE EMBEDMENT (5" NOMINAL EMBEDMENT)

City of Puyallup Building Reviewed for Compliance

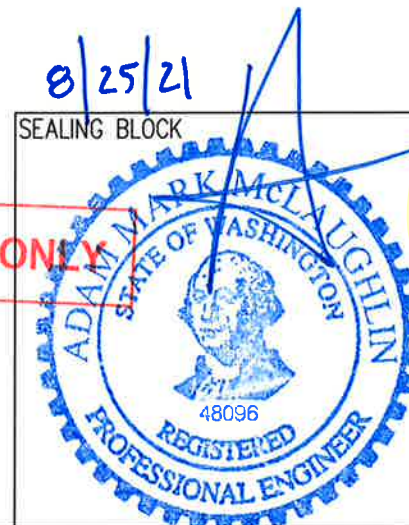
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04/15/2022
12:17:58 PM



City of Puyallup Development & Permitting Services ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

STRUCTURAL DESIGN ONLY



Gary K. Munkelt & Associates, LLC
Structural Consulting Engineers
1180 Welsh Rd, Suite 190
North Wales, PA 19454
Phone 215-855-8713 Fax 215-855-8714

DATE 08/25/2021
DRAWN CMS
CHECKED BJM
APPROVED

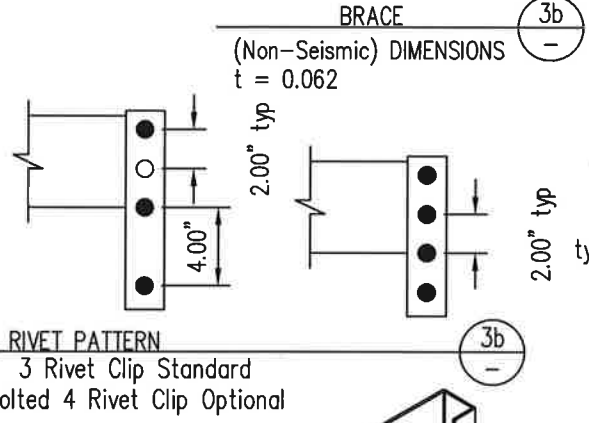
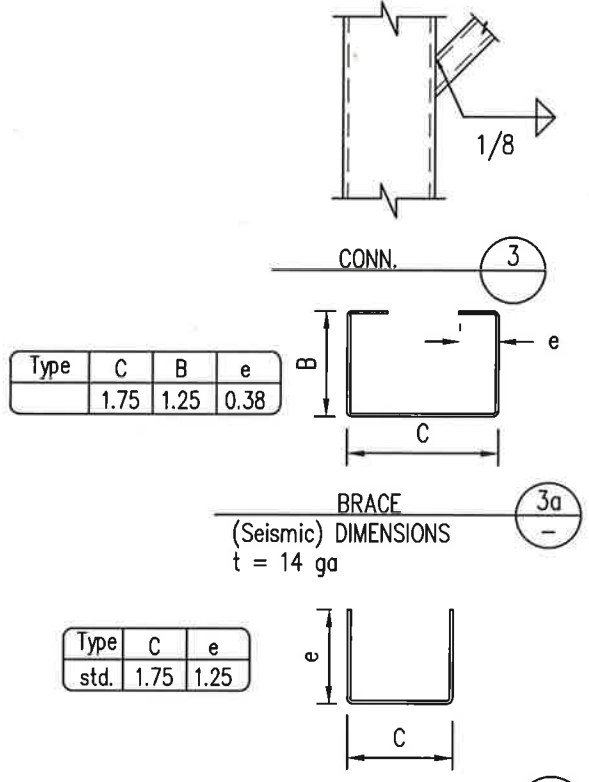
COSTCO #660 - PUYALLUP
1201 39th AVENUE SW
PUYALLUP, WA 98373
STORAGE RACKS
TYPICAL CONFIGURATIONS

GKM JOB # 2108127
DRAWING # CW-10

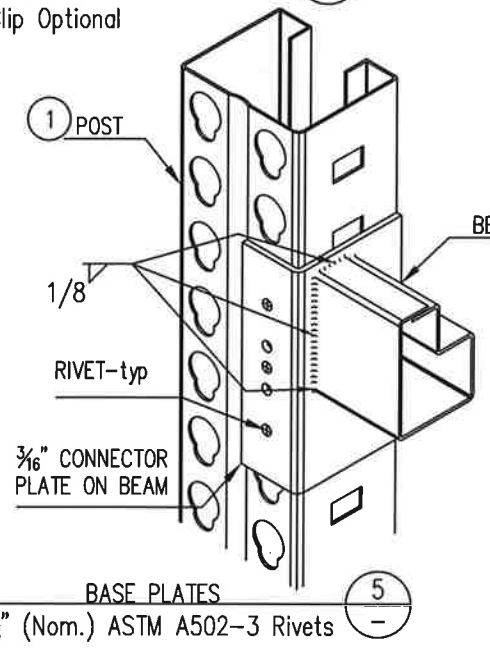
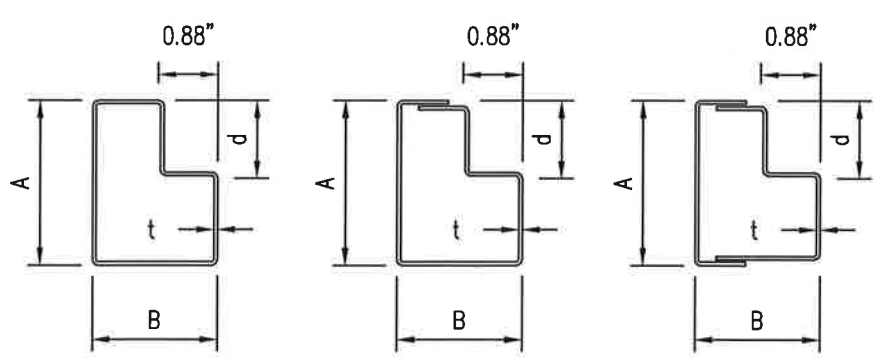
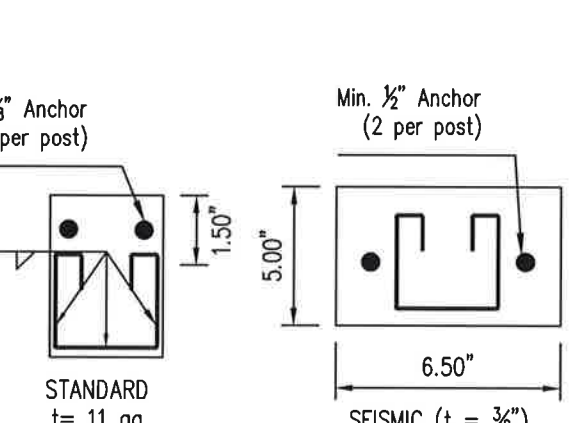
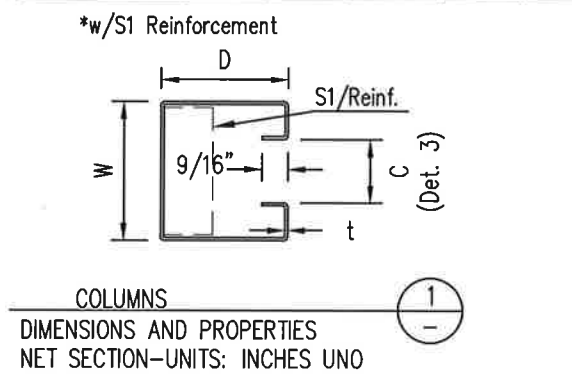
PRCTI20220514

Building	Planning
Engineering	Public Works
Fire	Traffic

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



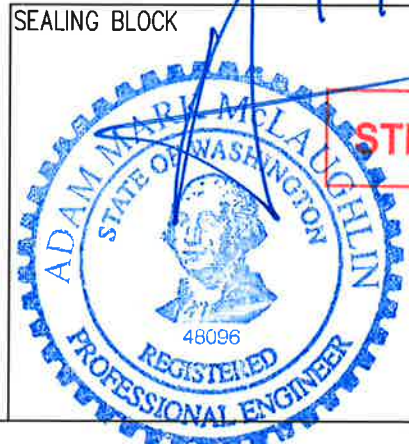
Type	W	D	t	As	Sx	rx	ry
UF-S-32I	3.00	2.75	0.075	0.56	0.55	1.21	0.84
UF-S-33I	3.00	2.75	0.075	0.64	0.65	1.21	0.98
*UF-S-33I	3.00	2.75	0.075	1.10	1.01	1.14	0.81
UF-R-33I	3.00	2.75	0.087	0.73	0.73	1.20	0.97
UF-M-33I	3.00	2.75	0.100	0.82	0.82	1.20	0.96
UF-Y-33I	3.00	2.75	0.110	0.91	0.89	1.19	0.95
UF-H-33I	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



GENERAL NOTES:

- This drawing shows standard details of the rack product line only. See engineer approved installation drawings (same job number) for components used, special details, arrangement, dimensions, and site specific 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)
Powers/Rawl Power Stud+SD1 (#3502), Power Stud+SD2 (#2818)
Wedge Bolt (#2526), Atomic (#3067)
Hilti Kwik Bolt HSL 3 (#1545), Kwik Bolt TZ (#1917), Kwik Bolt T22 (#4266), HUS-EZ (#3027)

Embedment shall be Minimum 6x Bolt Diameter.
Special inspection are not required unless demanded by the building authority. Contractor shall determine any inspection requirements prior to anchor installation.



STRUCTURAL DESIGN ONLY

Gary K. Munkelt & Associates, LLC
Structural Consulting Engineers
1180 Welsh Rd, Suite 190
North Wales, PA 19454
Phone 215-855-8713 Fax 215-855-8714

DATE 08/25/2021
DRAWN CMS
CHECKED BJM
APPROVED

COSTCO #660 - PUYALLUP
1201 39th AVENUE SW
PUYALLUP, WA 98373
RIDG-U-RAK
STORAGE RACKS

GKM JOB # 2108127
DRAWING # RU-9