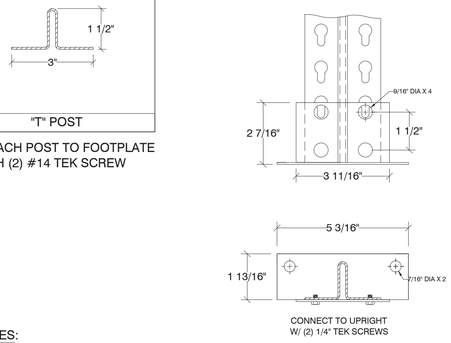
1



"T" POST

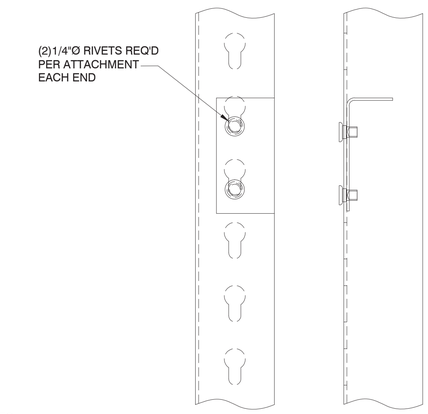
ATTACH POST TO FOOTPLATE
WITH (2) #14 TEK SCREW

NOTES:
USE @ ALL SHELVING
INTERMEDIATE POST LOCATIONS TYP.

DESCRIPTION	BASE PLATE: RDSFP 5-3/16" X 1-13/16"
MATERIAL	14 GAGE THICK PLATE
STEEL YIELD	ASTM A36, Fy=36,000 PSI

DESCRIPTION	POST: ROLL FORM ANGLE (TURH)
MATERIAL	14 GAGE STEEL
STEEL YIELD	ASTM A36, Fy=36,000 PSI

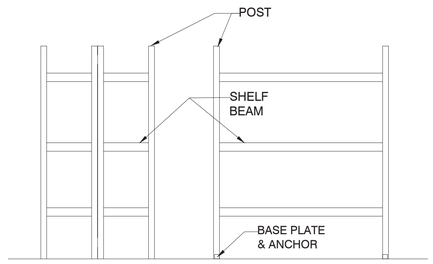
2



NOTES:
USE AT ALL POST TO SPECIFIC SHELF BEAM ATTACHMENTS

DESCRIPTION	SHELF TO POST CONNECTION FOR DBL RIVET BEAM

GENERAL SHELVING CONFIGURATION

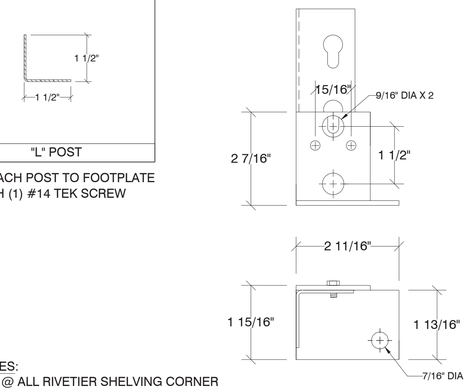


NOT A DEPICTION OF THIS PROJECT

GENERAL PROJECT NOTES

1. DESIGNED PER REQUIREMENTS OF THE 2015 IBC, ASCE 7-16, SECTION 15.5.3 & THE 2012 RMI RACK DESIGN MANUAL
2. SEISMIC CRITERIA Ss=0.100, S1=0.050, Fa=1.600, Fv=2.400, Ip = 1.0 (NO PUBLIC ACCESS), Sds=0.104, Sd1=0.078, OCC. CATAG. II, SITE CLASS D, SEISMIC DESIGN CLASS B
3. STORAGE CAPACITY:
   TYPE FW-13 MM RIVET SHELVING 156"H X 48"W X 12"D= 200# @ PER SHELF LEVEL TYP.
   TYPE FW-13 MM RIVET SHELVING 156"H X 48"W X 24"D= 200# @ PER SHELF LEVEL TYP.
   TYPE FW-WU-13 MM RIVET SHELVING 156"H X 48"W X 12"D= 200# @ PER SHELF LEVEL TYP.
   TYPE FW-WU-13 MM RIVET SHELVING 156"H X 48"W X 24"D= 200# @ PER SHELF LEVEL TYP.
4. ANCHORS: HILTI KH-EZ SCREW ESR#3027 OR ICC & ENGINEER APPROVED EQUAL.
   3/8"Ø x 2-1/2" MIN. EMBEDMENT.
   (1) ANCHOR PER FOOTPLATE, 40 FT-LBS TORQUE.
5. PERIODIC SPECIAL INSPECTION IS NOT REQUIRED DURING ANCHOR INSTALLATION. ANCHORS SHALL BE INSTALLED PER ICC ESR#3027.
6. EXISTING S.O.G. CONCRETE THICKNESS & COMPRESSIVE STRENGTH, 5" x 2500 PSI
7. SOIL BEARING PRESSURE 750 PSF.
8. ALL RACK INSTALLATIONS AND RACKS MANUFACTURED IN CONFORMITY WITH THIS STANDARD SHALL DISPLAY IN ONE OR MORE CONSPICUOUS LOCATIONS A PERMANENT PLAQUE EACH NOT LESS THAN 50 SQUARE INCHES IN AREA AND SHOWING THE MAXIMUM PERMISSIBLE UNIT LOAD IN CLEAR, LEGIBLE PRINT.
9. ALL RIVETS GR. 5 OR BETTER, INSTALL TO SNUG TIGHT FIT OR BETTER
10. ALL WELDING PERFORMED IN THE SHOP OF AN APPROVED FABRICATOR BY AWS CERTIFIED WELDERS USING E70XX ELECTRODE OR BETTER. NO FIELD WELDING PERFORMED. SPECIAL INSPECTION IS REQUIRED ONLY FOR ANY FIELD WELDING.
11. THE CLEAR SPACE BELOW SPRINKLERS SHALL BE A MIN. OF 18" BETWEEN TOP OF THE STORAGE AND THE CEILING SPRINKLER DEFLECTOR.
12. THE PRODUCT SHOWN ON THE DETAILS HEREIN IS ASSUMED TO BE IN GOOD, UNDAMAGED CONDITION. THE PRODUCT MUST BE FREE OF ANY DAMAGE AND/OR FABRICATION DEFICIENCIES OR IRREGULARITIES. IT IS THE RESPONSIBILITY OF THE OWNER, USER, PRODUCT PROVIDER AND/OR INSTALLER OF THE COMPONENTS TO NOTIFY SED, INC IN WRITING, OF ANY DAMAGE, DEFICIENCIES OR IRREGULARITIES.
13. IT IS THE RESPONSIBILITY OF THE OWNER AND/OR USER OF THE COMPONENTS SHOWN HEREIN TO NOTIFY SED, INC OF ANY DAMAGE OR DEFICIENCIES IN THE SYSTEM DURING USE.THIS INCLUDES SUCH OCCURRENCES SUCH AS IMPACT DAMAGE TO THE COMPONENTS FROM FORKLIFT OR HEAVY MACHINERY, IMPACT FROM DROPPED LOADS ON THE SYSTEM, DAMAGE TO SYSTEMS BY IMPROPER USE OR INSTALLATION, ETC. THE USER OF THE PRODUCT MUST NOTIFY SED, INC IN WRITING SHOULD ANY DAMAGE OR DEFICIENCY OCCUR TO THE PRODUCT SHOWN HEREIN. IT IS THE RESPONSIBILITY OF THE OWNER AND/OR USER TO MAINTAIN THE SAFETY AND PROPER USE OF THE STORAGE PRODUCT SHOWN HEREIN.
14. IT IS THE RESPONSIBILITY OF THE OWNER/USER OF THE STORAGE SYSTEM SHOWN HEREIN TO REPAIR OR REPLACE ANY COMPONENT THAT IS DAMAGED OR OTHERWISE DEFICIENT.
15. THE OWNER SHALL MAINTAIN THE STRUCTURAL INTEGRITY OF THE RACK SYSTEM BY ASSURING PROPER OPERATIONAL, HOUSE KEEPING AND MAINTENANCE PROCEDURES, BUT NOT LIMITED TO THE FOLLOWING:
   a. PROHIBIT ANY OVER LOADING OF ANY PALLET POSITIONS AND OF OVERALL RACK SYSTEMS.
   b. REGULARLY INSPECT FOR DAMAGE. IF DAMAGE IS FOUND, IMMEDIATELY UNLOAD THE AFFECTED AREA AND REPLACE OR REPAIR ANY DAMAGED COLUMNS, BEAMS, OR OTHER STRUCTURAL COMPONENTS.
   c. REQUIRE ALL PALLETS TO BE MAINTAINED IN GOOD, SAFE, OPERATING CONDITION.
   d. ENSURE THAT PALLETS ARE PROPERLY PLACED ONTO PALLET LOAD SUPPORT MEMBERS IN PROPERLY STACKED AND STABLE POSITION.
   e. REQUIRE THAT ALL GOODS STORED ON EACH PALLET TO BE PROPERLY STACKED AND STABLE.
   f. PROHIBIT DOUBLE STACKING OF ANY PALLET POSITION, INCLUDING THE TOP MOST POSITION, UNLESS THE RACK SYSTEM IS SPECIFICALLY DESIGNED FOR SUCH LOADING.
   g. THE OWNER AND/OR USER OF THE RACK SYSTEM MUST PROVIDE MEASURES TO MITIGATE DAMAGE TO THE STORAGE RACK BY USE OF IMPACT PROTECTIVE DEVICES IN AREAS WHERE FORKLIFT AND/OR HEAVY MACHINERY ARE IN USE.
   h. ENSURE THAT THE RACKS ARE NOT MODIFIED OR REARRANGED IN A MANNER NOT WITHIN THE ORIGINAL DESIGN CONFIGURATION.

3



"L" POST

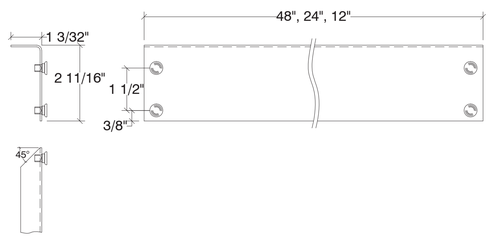
ATTACH POST TO FOOTPLATE
WITH (1) #14 TEK SCREW

NOTES:
USE @ ALL RIVETIER SHELVING CORNER
"L" POST LOCATIONS TYP.

DESCRIPTION	BASE PLATE: RSSFP 2-11/16"" X 1-15/16"
MATERIAL	14 GAGE THICK PLATE
STEEL YIELD	ASTM A36, Fy=36,000 PSI

DESCRIPTION	POST: RF ANGLE (LURH)
MATERIAL	14 GAGE STEEL
STEEL YIELD	ASTM A570, Fy=36,000 PSI

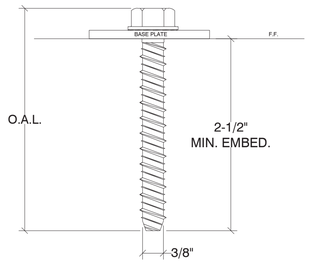
4



DESCRIPTION	DOUBLE RIVET BEAM (SS48", 24",12")
MATERIAL	14 GAGE
STEEL YIELD	ASTM A36, Fy=36,000 PSI

NOTES:
USE @ ALL BEAM LEVELS TYP.

5



NOTES:
CONFIRM O.A.L OF ANCHORS WITH INSTALLER TO ENSURE REQUIRED EMBEDMENT IS OBTAINED.

DESCRIPTION	HILTI KH-EZ SCREW ANCHOR
SIZE	3/8"Ø x 2-1/2" MIN. EMBED.
ESR#	3027

NOTE:
SEE NOTE #4 FOR ANCHOR SPECS.

SEE ATTACHED RETAIL FIXTURES SOLUTIONS INC DWG
FOR SHELVING ELEVATIONS.

DESCRIPTION	STORAGE RACK SHELVING

NORTH CAROLINA CERTIFICATE OF AUTHORIZATION
T&Z CONSULTING SERVICES, PLLC
No. P-1889

NORTH CAROLINA PROFESSIONAL
SEAL
027987
ENGINEER
MINGQIAO ZHU

04/10/2024

REVISION	REV.	DATE

T & Z CONSULTING SERVICES, LLC
STRUCTURAL ENGINEERING & DESIGN
1428 N. SHEVLIN COURT, BEWCKLEY, PA 15143
1815 WRIGHT AVE LA VERNE, CA 91750
PHONE 909.596.1351 FAX 909.596.7186

DICK'S SPORTING GOODS #1066
3500 GALLERIA DR
GREENVILLE, NC 27834

CLIENT RETAIL FIXTURE SOLUTIONS, INC
DATE 04/04/2024
DRWN BY JM
ENG. BY MQZ
MFG. M.M RIVET
TYPE RIVETIER SHELVING

JOB NO.
24-0404-21

SHEET NO.
SED 1 OF 1