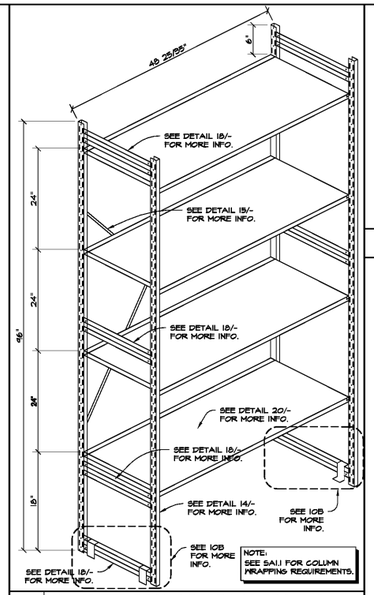
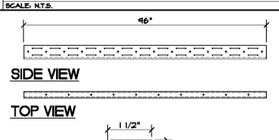
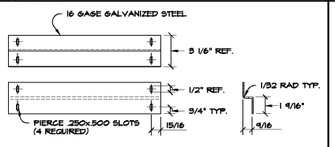


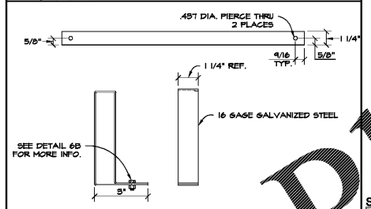
16 DETAIL - BACKROOM STORAGE SHELF
SCALE: N.T.S.



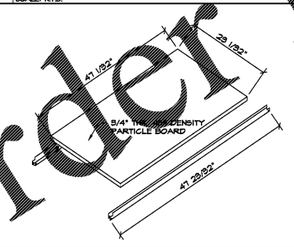
17 DETAIL - UPRIGHT
SCALE: N.T.S.



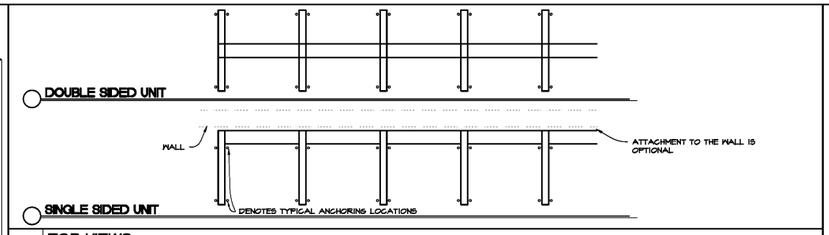
18 DETAIL - STRETCHER
SCALE: N.T.S.



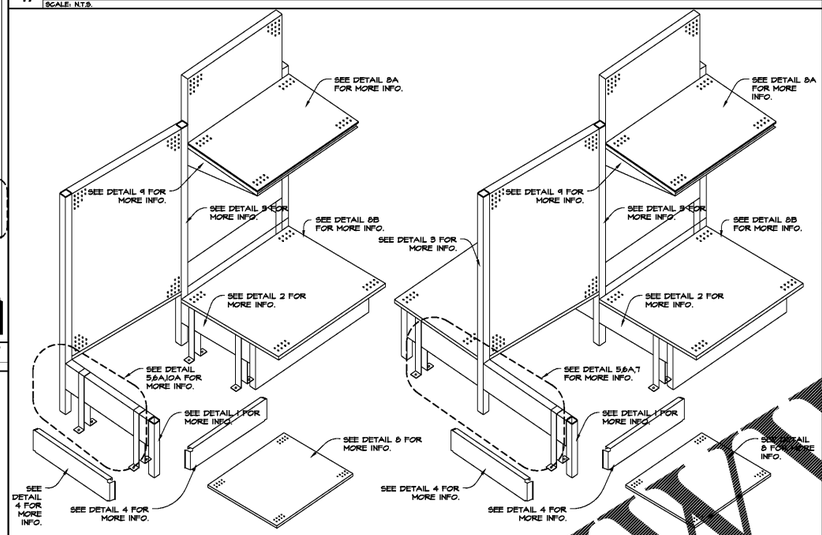
19 DETAIL - HOLD DOWN STRAP
SCALE: N.T.S.



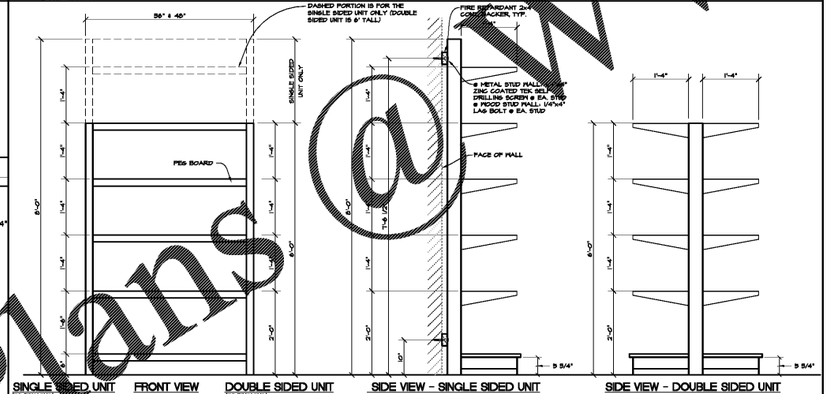
20 DETAIL - SHELF ASSEMBLY
SCALE: N.T.S.



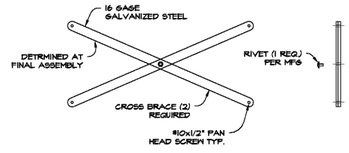
11 TOP VIEWS
SCALE: N.T.S.



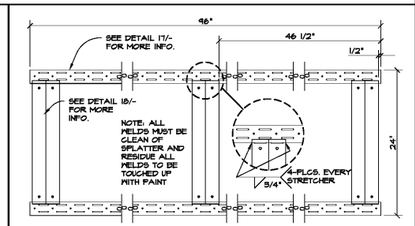
12 GENERAL CONFIGURATION
SCALE: N.T.S.



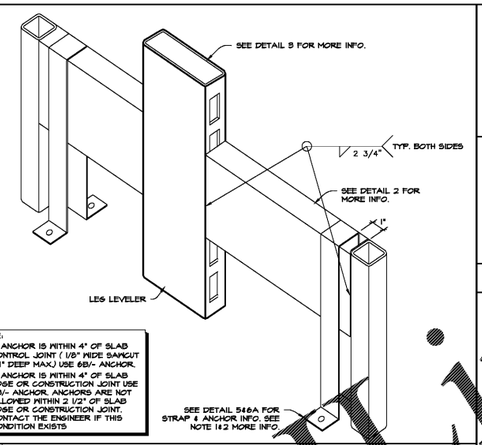
13 STORAGE FIXTURE ELEVATIONS
SCALE: N.T.S.



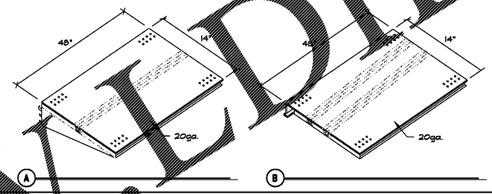
15 DETAIL - CROSS BRACE ASSEMBLY
SCALE: N.T.S.



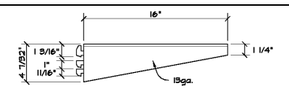
14 DETAIL - SPACE FRAME
SCALE: N.T.S.



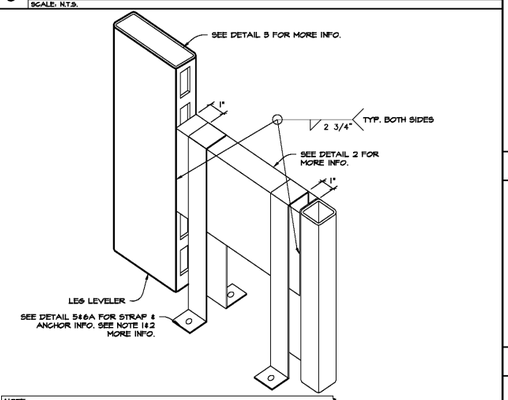
7 UP RIGHT ASSEMBLY DETAILS FOR DOUBLE SIDED UNIT
SCALE: N.T.S.



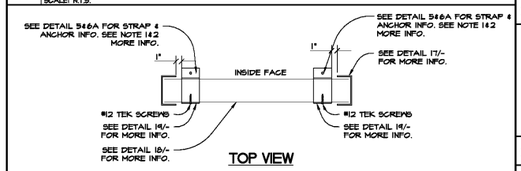
8 SHELF
SCALE: N.T.S.



9 ARM
SCALE: N.T.S.

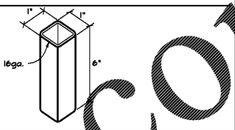


10A UP RIGHT ASSEMBLY DETAILS FOR SINGLE SIDED UNIT
SCALE: N.T.S.

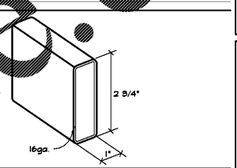


10B DETAIL
SCALE: N.T.S.

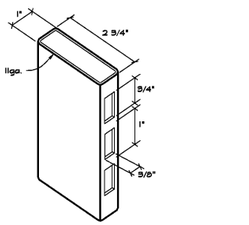
NOTES:
1. DESIGN PER SECTION 2209.1 OF THE 2015 IBC
   SITE CLASS D, S_S = 0.417
2. STORAGE CAPACITY:
   LIVE LOAD = 80# PER LEVEL (INTERIOR)
   LIVE LOAD = 120# PER LEVEL (BACK ROOM)
3. ASTM A570 FOR SHAPE Fy = 36,000 PSI GRADE 36.
4. ALL BOLTS A307 (UNLESS OTHERWISE NOTED).
5. ANCHOR HILTI KWIK BOLT TZ ICC REPORT ESR-1917 OR APPROVED EQUAL (3/8"ø SIMPSON TITEN HD ANCHORS OK, ICC ESR-2713)
6. SPECIAL INSPECTION IS REQUIRED FOR ANCHOR INSTALLATION.
7. CONCRETE 4" THICK x 2,500 PSI. CONTRACTOR TO VERIFY
8. SOIL BEARING PRESSURE 500 PSF



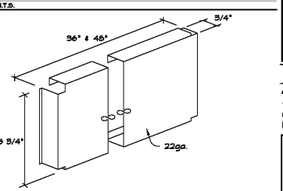
1 BASE LEG
SCALE: N.T.S.



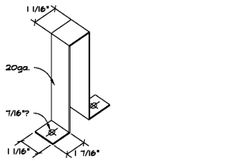
2 BASE TUBE
SCALE: N.T.S.



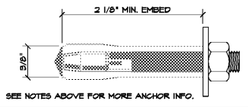
3 UPRIGHT
SCALE: N.T.S.



4 KICK PLATE
SCALE: N.T.S.

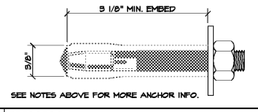


5 ANCHOR BRACKET
SCALE: N.T.S.



SEE NOTES ABOVE FOR MORE ANCHOR INFO.

6A ANCHOR
SCALE: N.T.S.



SEE NOTES ABOVE FOR MORE ANCHOR INFO.

6B ANCHOR
SCALE: N.T.S.

BRAD YOUNG & ASSOCIATES, INC.
STRUCTURAL ENGINEERING
345 POLLASKY AVENUE
CLOVIS, CALIFORNIA 93612
PHONE: (559) 323-5200 FAX: (559) 323-5201

mark	date	revisions	by	description

date	01/15/2018
BYA project	1603
designed	
drawn	
checked	

RRMM
ARCHITECTS, PC
1317 Executive Blvd, Suite 200
Chesapeake, VA 23320
(757)622-2828 / fax (757)622-8883

JOHN CANDLER HOLLOWAY
No. 032859
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA
BARKLEY K. YOUNG

project
DOLLAR TREE
DUTCH SQUARE MALL, DEAL #10811
COLUMBIA, SC

drawing
FIXTURE DETAILS

sheet
SA2.1

WWW.EDline.com
Order Plans@WWW.EDline.com