ADVANCE STORAGE PRODUCTS

HUNTINGTON BEACH, CA

CUSTOMER / OWNER

ADVANCE STORAGE PRODUCTS
5702 BOLSA AVE.
SUITE 150
HUNTINGTON BEACH, CA 92649

JOHN VR KRUMMELL – PRESIDENT

PHONE: 714-902-9000
FAX: 714-902-9001

ENGINEERING AND RACK SUPPLIER

ADVANCE STORAGE PRODUCTS
5702 BOLSA AVENUE – SUITE 150
HUNTINGTON BEACH, CALIFORNIA 92649

JAMES RAHM – SALES
CURTIS GILLEN – SR. PROJECT MANAGER
KENNETH DAVISON – CHIEF ENGINEER
ROY LIN – ENGINEER

PHONE: 714-902-9000
FAX: 714-902-9001

DRAWING INDEX

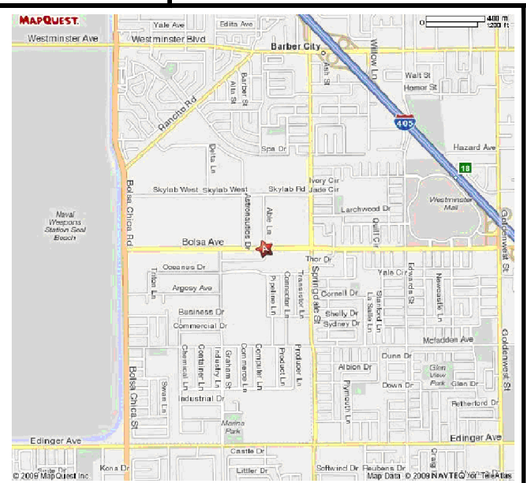
SHEET	REV.	DRAWING NO.	DRAWING TITLE
0.0	–	P9XXX-0	DRAWING INDEX
1.0	–	P9XXX-1	4 DEEP PUSHBACK RACK LAYOUT PLAN VIEW
2.0	–	P9XXX-2	4 DEEP PUSHBACK RACK ELEVATIONS
3.0	–	P9XXX-3	MISCELLANEOUS INSTALLATION DETAILS
3.1	–	P9XXX-3	4 DEEP PUSHBACK INSTALLATION INSTRUCTIONS
4.0	–	P9XXX-4	BILL OF MATERIAL

DRAWING APPROVAL

☐ APPROVED AS IS
☐ APPROVED AS NOTED
☐ NOT APPROVED

SIGNATURE _____ DATE _____

PRINT NAME _____



JOBSITE

ADVANCE STORAGE PRODUCTS
5702 BOLSA AVE.
SUITE 150
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ALAN HAVEY – ENGINEER
PHONE: 714-902-9000
FAX: 714-902-9001

VICINITY MAP
SCALE: NONE

N
W E
S

GENERAL NOTES:

1. SEISMIC DESIGN CRITERIA: 2006 IBC, Ss = 1.465, S1 = 0.619
   Fa = 1.0, Fv = 1.5
2. 100% UTILIZATION.
3. WEIGHT PER PALLET: 2,500# AVG. / 2,500# MAX.
4. SLAB THICKNESS 6" MIN.
   NO INTERIOR REINFORCEMENT.
5. SLAB 3,500 P.S.I., SOIL 1,000 P.S.F.
6. TYPE ANCHOR: 1/2" x 5-1/2" HILTI KWIK BOLT TZ
   (3-1/4" MIN. - 4" MAX. EMBEDMENT IS TYPICAL. ACTUAL EMBEDMENT CALCULATED BY P.E.)
   (2) ANCHOR(S) PER FOOTPLATE.
   (1) ADDT'L 1/2" x 4-3/4" HILTI KWIK BOLT 3 ANCHOR PER AISLE SIDE FOOTPLATE
   TORQUE ANCHORS TO MFG.'S SPECIFICATIONS (INCLUDED IN ANCHOR BOX)
7. DESIGN MEETS RMI SPECIFICATIONS - DEFLECTION CRITERIA
   DESIGN OF L/180. POSTING OF PERMISSIBLE UNIT LOAD IS REQUIRED.
8. CROSS AISLE TIES ARE REQUIRED WHERE NOTED ON DRAWINGS.
9. TORQUE ALL 1/2" GRADE 5 HARDWARE TO 60 FT. LBS.
   UNLESS OTHERWISE NOTED.
10. COLORS: - STANDARD
    UPRIGHTS - BLUE
    BEAMS - ORANGE
    FRAME TIES - BLUE

    PUSHBACK:
    RAILS - BLACK
    1ST CART - YELLOW
    2ND CART - ORANGE
    3RD CART - BLUE

    NOTE: USE TOUCH-UP PAINT WHEN REQUIRED.
11. USE SHIM PLATES IF REQUIRED, 1/16" AND 1/8" THICK.
    (GALVANIZED, PAINTED OR PLASTIC)
12. BUILDING DIMENSIONS ARE BASED ON CUSTOMER'S FLOOR PLANS.
13. IF ANY CONSTRUCTION DETAILS ARE NOT CLEAR OR ARE NOT PROVIDED,
    ADVANCE STORAGE PRODUCTS SHALL BE NOTIFIED, SO AS TO CLARIFY
    OR PROVIDE THESE DETAILS.
14. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER
    GENERAL NOTES AND TYPICAL DETAILS.
15. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALES ON DRAWINGS.
16. ANY FIELD CHANGES OR VARIANCES FROM SPECIFICATIONS AND DRAWINGS
    MUST BE AUTHORIZED IN WRITING BY ADVANCE PRIOR TO IMPLEMENTATION.
    SUBCONTRACTOR ASSUMES COSTS ASSOCIATED WITH CORRECTIONS OR
    MODIFICATION REQUIRED BECAUSE OF UNAUTHORIZED CHANGES.
17. RACK UPRIGHT TO BE INSTALLED WITHIN 1/2"/10'-0" FROM VERTICAL FOR THE
    FULL HEIGHT OF THE UPRIGHT, BOTH DOWN & CROSS AISLE PER RMI.
18. RACK ROWS SHALL BE INSTALLED WITHIN 1/2" OF BEING SQUARE TO
    BUILDING OVER THE FULL LENGTH OF THE AISLE.
19. MAXIMUM BAY GROWTH IS TO BE 1/16" PER BAY OR LESS.
20. WHERE ANCHOR BOLT INSTALLATION REQUIRES THE BOLT TO BE DRILLED
    INTO A FLOOR JOINT, AN ICC APPROVED HIGH RESIN OR EPOXY ADHESIVE
    ANCHOR IS REQUIRED.
21. DISTANCE TO EXITS - MAXIMUM DISTANCE OF TRAVEL FROM ANY POINT TO
    AN EXTERIOR EXIT DOOR IN A GROUP F, G & S TYPE BUILDING NOT EQUIPPED
    WITH AN AUTOMATIC SPRINKLER SYSTEM THROUGHOUT; SHALL NOT EXCEED
    300'-0" OR 400'-0" IN BUILDINGS THAT ARE EQUIPPED WITH AN AUTOMATIC
    SPRINKLER SYSTEM.
22. FIRE SPRINKLERS TO BE INSTALLED UNDER SEPARATE PERMIT.
23. FIRE EXTINGUISHERS TO BE PROVIDED & INSTALLED BY TENANT.
24. ALL FIELD WELDING SHALL BE ACCOMPLISHED BY A CERTIFIED WELDER. A
    CERTIFIED DEPUTY WELDING INSPECTOR SHALL BE ON SITE DURING ALL
    WELDING OPERATIONS.

REV	DESCRIPTION	DATE	BY
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ADVANCE STORAGE PRODUCTS
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Huntington Beach, California 92649 (714) 902-9000 FAX: (714) 902-9001

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PROJECT: DRAWING INDEX

PREPARED FOR: ADVANCE STORAGE PRODUCTS
HUNTINGTON BEACH, CA

ADVANCE STORAGE PRODUCTS
A Division of J.C.M. Industries, Inc.

DRAWN BY: R. LIN	DATE: 10/29/09	
CHECKED BY:	DATE:	
APPROVED BY:	DATE:	
FILE: H:\APJOBS\P9XXX\SAMPLE		
SCALE: NONE		
DRAWING NUMBER P9XXX-0	SHEET 0.0	REVISION -