



PLEASE USE BLANK AREA FOR YOUR  
PROPOSED PROJECT



EXISTING & PROPOSED FLOOR PLAN  
N.T.S.

**PROJECT DATA**

PROPERTY OWNER'S NAME \_\_\_\_\_

PROJECT ADDRESS \_\_\_\_\_  
HUNTINGTON BEACH, CA \_\_\_\_\_

TYPE OF CONST \_\_\_\_\_ OCCUPANCY GROUP \_\_\_\_\_ FIRE SPRINKLER (CIRCLE) YES / NO

SQ FT OF BUILDING \_\_\_\_\_ SQ FT OF PROPOSED AREA \_\_\_\_\_ NUMBER OF STORIES \_\_\_\_\_

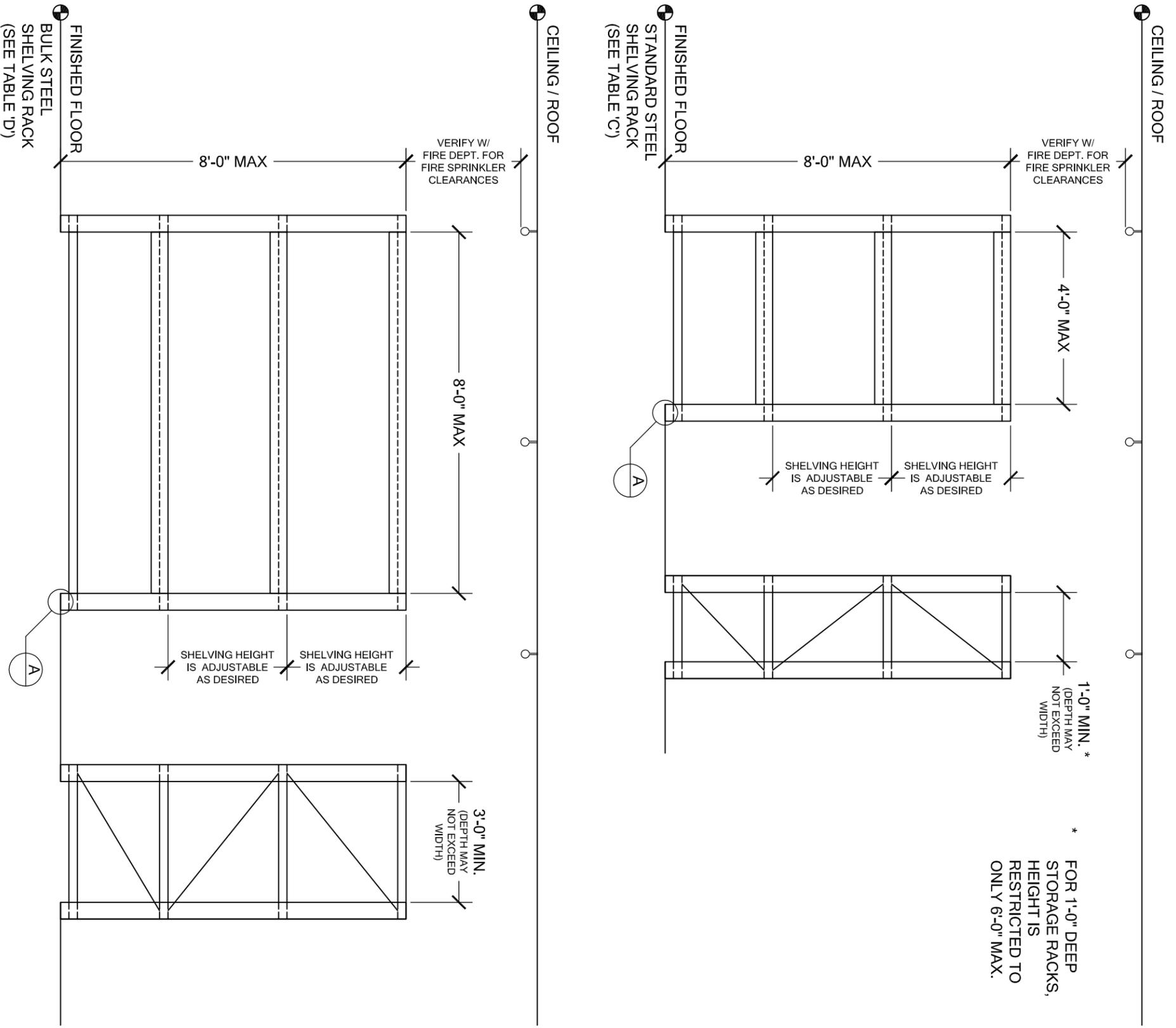


CITY OF HUNTINGTON BEACH -- DEPARTMENT OF COMMUNITY DEVELOPMENT

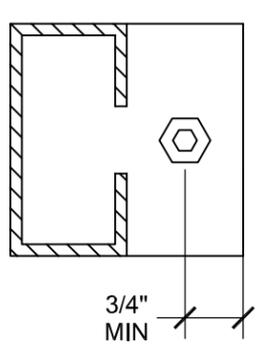
CITY STANDARD PLAN  
TYPICAL DETAIL 8'HIGH MAX STORAGE RACKS

PLAN NO. 8

PAGE 2 OF 3  
REVISED: 11/17/15



\* FOR 1'-0" DEEP STORAGE RACKS, HEIGHT IS RESTRICTED TO ONLY 6'-0" MAX.



SECTION B - B  
N.T.S.

• THE INFORMATION PROVIDED IN THIS DESIGN GUIDELINE CARRIES NO IMPLIED INFERRED GUARENTEE AGAINST FAILURE OR DEFECTS. BY USING THIS DESIGN GUIDE, THE CONTRACTOR / OWNER ACCEPTS THE FULL RESPONSIBILITY OF RISK. ALTERNATE DESIGN MAY BE USED WHEN PROVIDED WITH WET STAMPED AND SIGNED STRUCTURAL CALCULATIONS AND DETAILS BY A CALIFORNIA LICENSED ENGINEER OR ARCHITECT.

DISCLAIMER

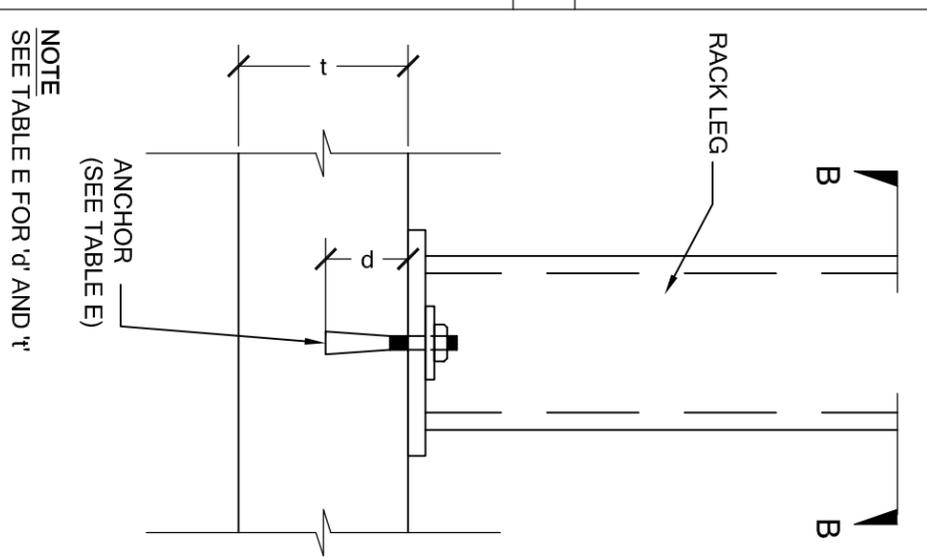
EXPANSION ANCHORS

- X1 = HILTI KB-TZ (ICC# ESR-1917)
- X2 = SIMPSON STRONG BOLT (ICC# ESR-1771)
- X3 = POWER-STUD+ SD1 (ICC# ESR-2818)
- X4 = ITW REDHEAD TRUBOLT+ (ICC# ESR-2427)

EPOXY ANCHORS

- P1 = HILTI HIT RES500-SD (ICC# ESR-2322)
- P2 = SIMPSON SET-XP (ICC# ESR-2508)
- P3 = POWER PE1000+ (ICC# ESR-2583)

\* ANCHOR ROD SHALL E ASTM A307 GRADE 'A' OR R1554 GRADE 36



NOTE  
SEE TABLE E FOR 'd' AND 't'

TABLE C (MAX 2000 lb TOTAL WEIGHT)

MAX. HEIGHT (H)	MIN. DEPTH (D)	EXPANSION ANCHOR SIZE	EPOXY ANCHOR SIZE
8'-0"	2'-0"	3/8" Ø	3/8" Ø

TABLE D (MAX 2000 lb TOTAL WEIGHT)

MAX. HEIGHT (H)	MIN. DEPTH (D)	EXPANSION ANCHOR SIZE	EPOXY ANCHOR SIZE
8'-0"	3'-0"	1/2" Ø	1/2" Ø

TABLE E

ANCHOR TYPE	BOLT SIZE	MIN. EMBED. (d)	MIN. SLAB THK. (t)
X1, X2, X3, X4	1/2" Ø	2"	4"
P1, P3	5/8" Ø	3-1/4"	6"
P2	1/2" Ø *	2-3/4"	4"
	1/2" Ø *	4"	6-1/2"

OTHER ALTERNATIVE CURRENT ICC APPROVED EXPANSION ANCHORS OR EPOXY OF EQUIVALENT FNCTION AND CAPACITY MAY BE USED IN LIEU OF THOSE SPECIFIED IN THE TABLES ABOVE SHALL BE APPROVED BY THE BUILDING OFFICIAL.