

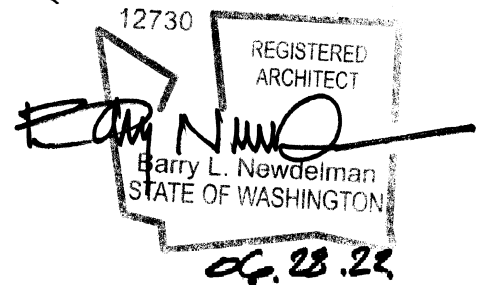
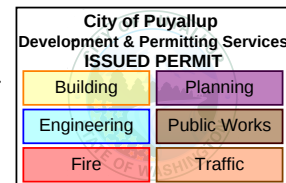
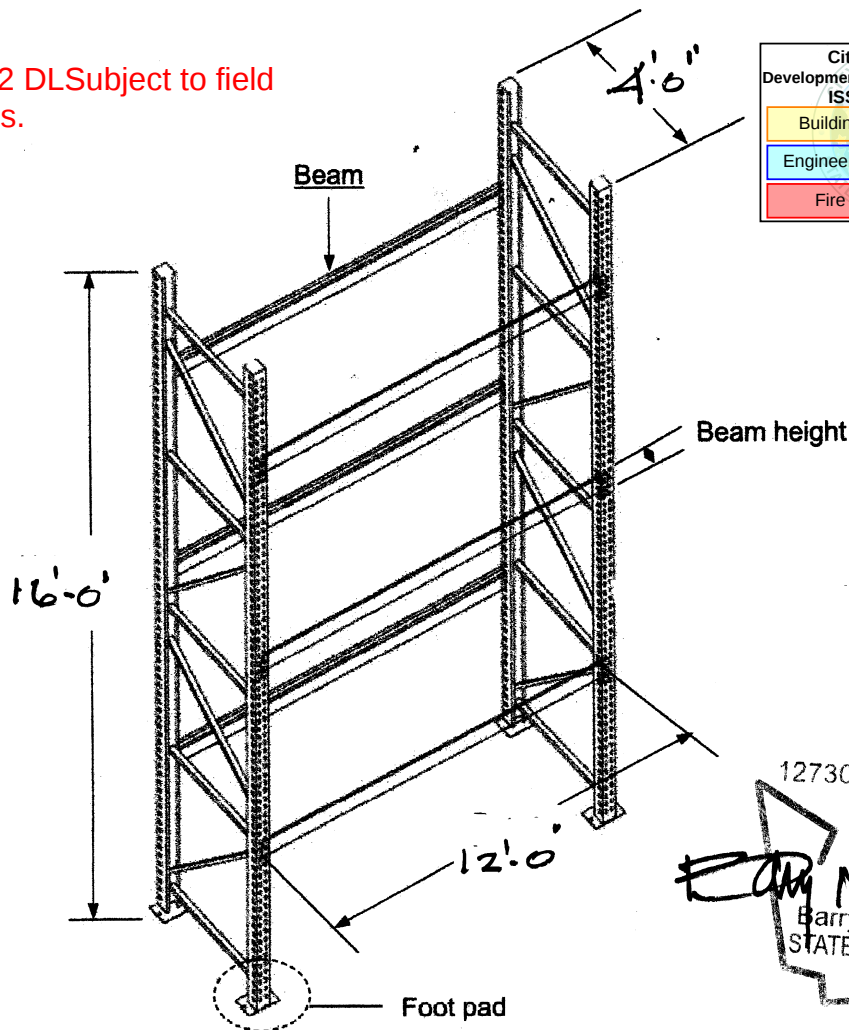
BARRY L. NEWDELMAN ASSOCIATES
ARCHITECTS
Alaska, Wisconsin, Oregon, Washington
ENERGY CONSULTANTS
Nationwide
773.425.0200

THE SPECIAL INSPECTION REPORT AND INSPECTIONS WERE DONE PRIOR TO HAVING ANY APPROVED PLANS FOR THE RACKS. SUBJECT TO CITY INSPECTOR'S ACCEPTANCE.

Product Specifications by Model:

Upright Frame Model	Capacity in pounds (kg)	Upright frame height	Upright frame depth	Net Weight
PRTD-10-42-19	19,380 (~8,809kg)	120in. (~305cm)	42in. (~107cm)	53 lbs (24.1kg)
PRTD-10-42-24	24,000 (~10,909kg)	120in. (~305cm)	42in. (~107cm)	65 lbs (29.5kg)
PRTD-12-42-19	19,380 (~8,809kg)	144in. (~366cm)	42in. (~107cm)	66 lbs (30kg)
PRTD-12-42-24	24,000 (~10,909kg)	144in. (~366cm)	42in. (~107cm)	78 lbs (35.5kg)
PRTD-14-42-19	19,380 (~8,809kg)	168in. (~427cm)	42in. (~107cm)	76 lbs (34.5kg)
PRTD-14-42-24	24,000 (~10,909kg)	168in. (~427cm)	42in. (~107cm)	90 lbs (40.9kg)
PRTD-16-42-19	19,380 (~8,809kg)	192in. (~488cm)	42in. (~107cm)	83 lbs (37.7kg)
PRTD-16-42-24	24,000 (~10,909kg)	192in. (~488cm)	42in. (~107cm)	102 lbs (46.4kg)

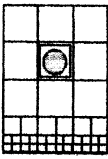
Reviewed 9/14/2022 DL Subject to field inspectors approvals.



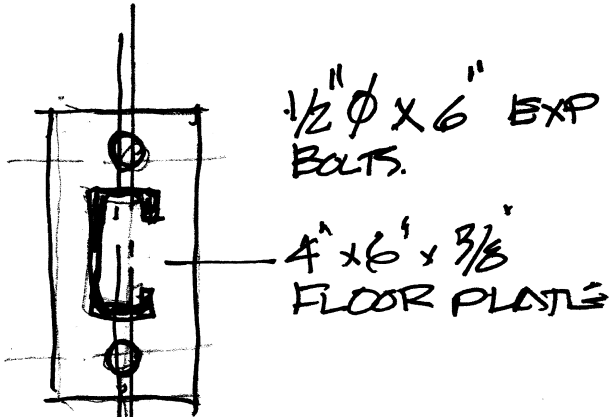
Beam Model	Capacity per Pair	Beam length	Beam height	Net Weight
BEAM-S-850	5,000 lbs (~2,272.7kg)	96 in. (~244cm)	6in. (~15.2cm)	33 lbs (~15 kg)
BEAM-S-870	7,000 lbs (~3,181.78kg)	96 in. (~244cm)	6in. (~15.2cm)	31 lbs (~14.1 kg)
BEAM-S-960	6,000 lbs (~2,727.3kg)	108 in. (~274cm)	6in. (~15.2cm)	35lbs (~15.9 kg)
BEAM-S-970	7,000 lbs (~3,181.78kg)	108 in. (~274cm)	6in. (~15.2cm)	50 lbs (~22.7 kg)
BEAM-S-1050	5,000 lbs (~2,272.7kg)	120 in. (~305cm)	6in. (~15.2cm)	38 lbs (~17.3 kg)
BEAM-S-1070	7,000 lbs (~3,181.78kg)	120 in. (~305cm)	6in. (~15.2cm)	38 lbs (~17.3 kg)

PRCTI20221032

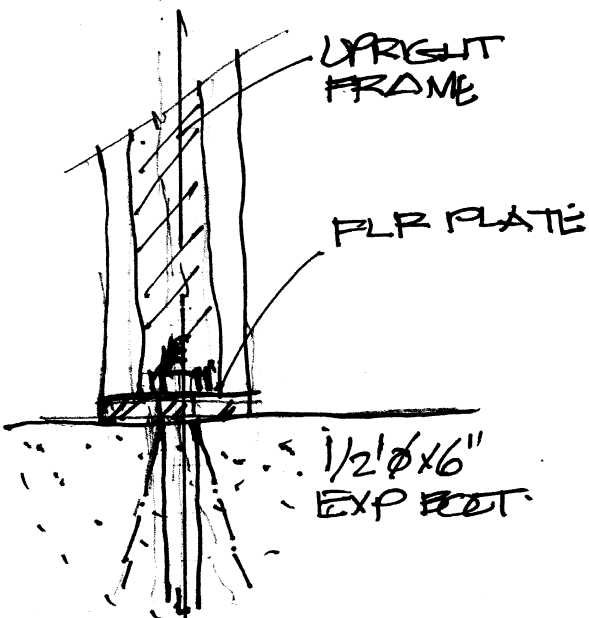
1/3



BARRY L. NEWDELMAN ASSOCIATES
ARCHITECTS
Illinois Wisconsin Oregon Washington
ENERGY CONSULTANTS
NATIONWIDE
773.425.0200

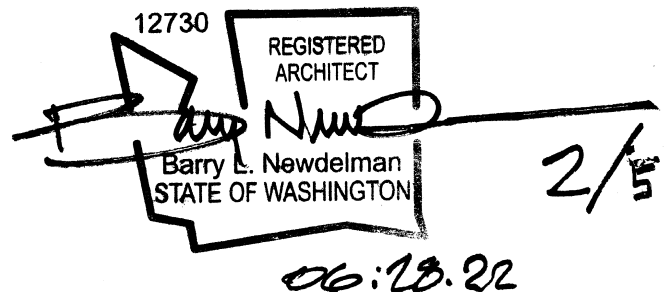
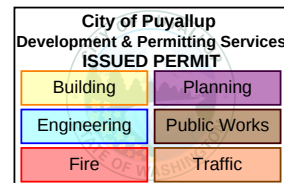


FLOOR PLATE

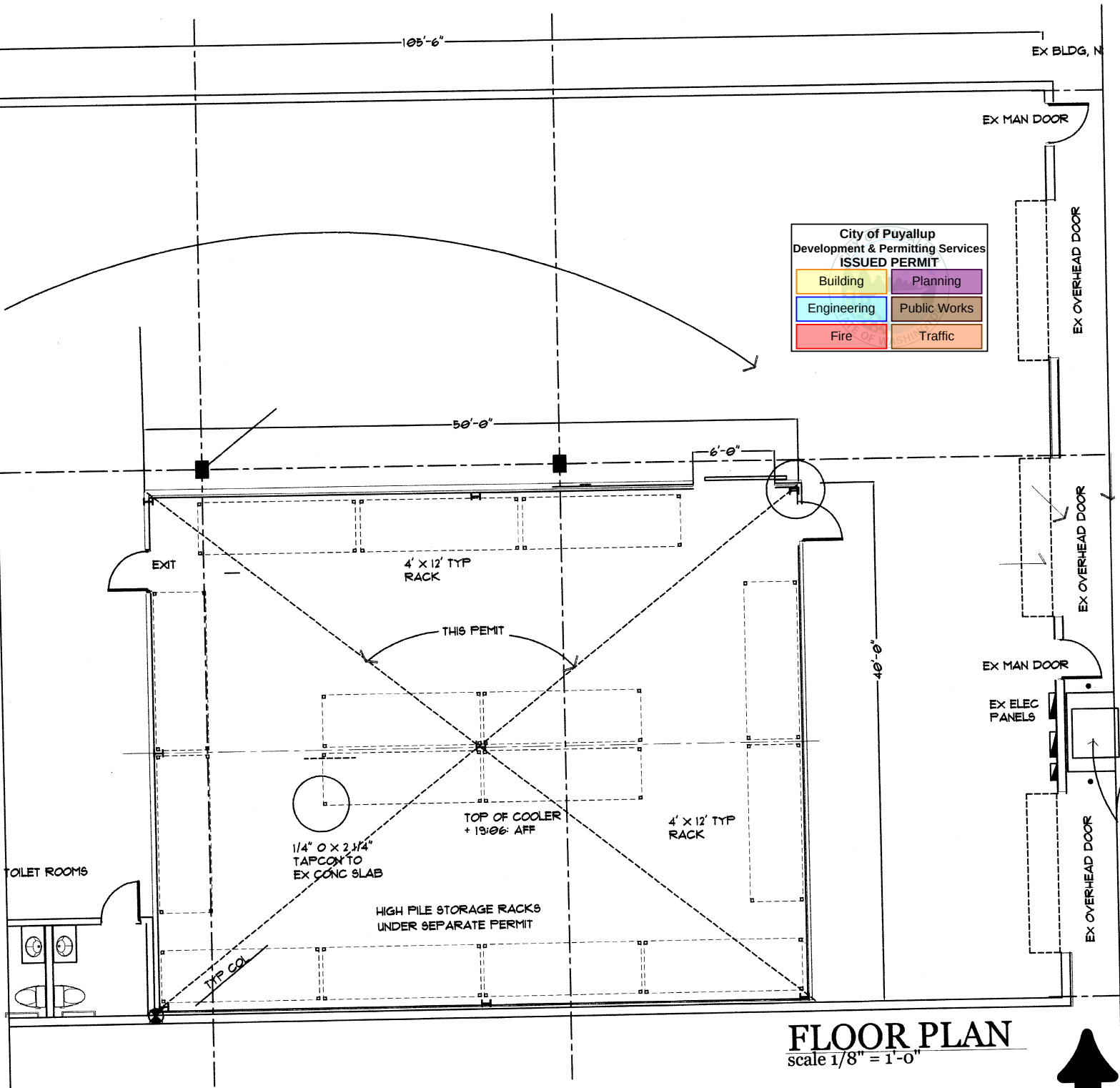


RACK/CONC FLR

- ① FOLLOW MFG INSTRUCTIONS
FOR MOUNTING TO FLR.
USE A LOCK WASHER
THEN FLAT WASHER
ON EACH BOLT.



PRCTI20221032



FLOOR PLAN scale 1/8" = 1'-0"

HIGH PILES STORAGE RACK

RACK STORGE IN COOLER FREEZER 16 FEET TALL AND MAINTAIN A MINUKMUM OF 18" BELOWS FRNKLER DEFLECTOR FROM TOP OF

COMPLETE INSTALLATONS SHAL LMEET THE STANDARDS OF SECTION 32 HIGH PILED COMUSITBLE STORAGE AND MEET THE REQUIREMENTS OF TABLE 3203.8 FOR COMMODITY CLASSIFICATION.

12730

REGISTERED ARCHITECT

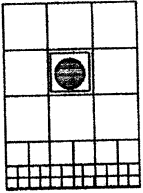
Barry L. Newdelman

STATE OF WASHINGTON

3/5

06.30.22 BOARS HEAD PERMIT #

PRCTI20221032



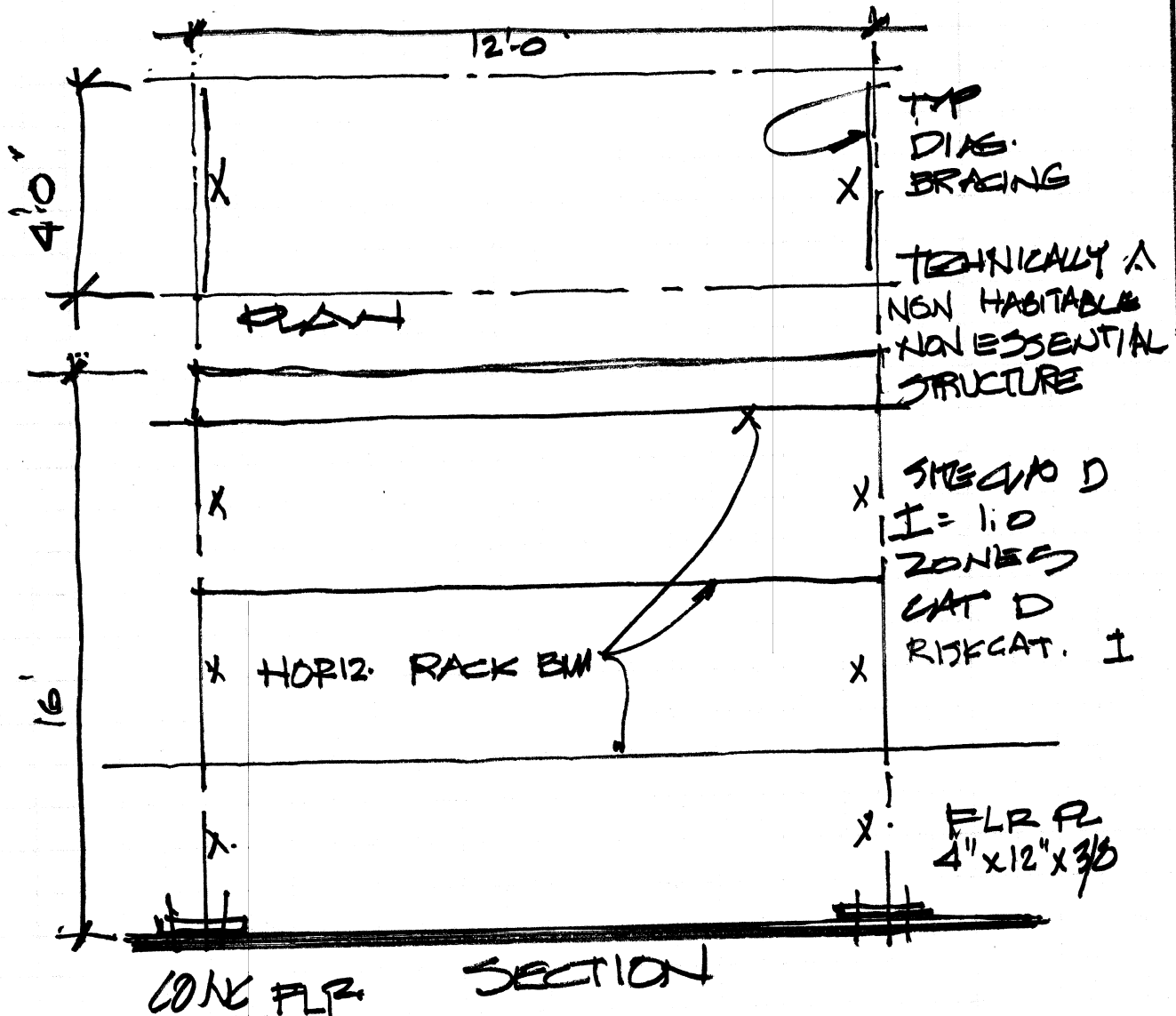
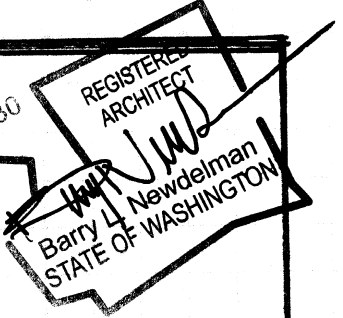
BARRY L. NEWDELMAN ASSOCIATES
ARCHITECTS
Illinois Wisconsin Oregon Washington
ENERGY CONSULTANTS
Nationwide
773.425.0200

City of Puyallup Development & Permitting Services	
ISSUED PERMIT	
Building	Planning
Engineering	Public Works
Fire	Traffic

06/30/22
BOARS HEAD,
RACK CALC,
402 VALLEY AVE
PUYALLUP, WA

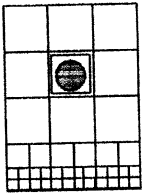
PRCTI20221032

CHECK NEW 4'-0" x 12'-0" x 16'-0"
STORAGE RACKS AS MFG BY
VESTIL MANUFACTURING CO
ANENHA, INDIANA
PRD 16-42-24 CAPACITY 24,000 LBS



PRCTI20221032

C. L. C.
1/2



BARRY L. NEWDELMAN ASSOCIATES
ARCHITECTS
 Illinois Wisconsin Oregon Washington
ENERGY CONSULTANTS
 Nationwide
 773.425.0200

City of Puyallup Development & Permitting Services	
ISSUED PERMIT	
Building	Planning
Engineering	Public Works
Fire	Traffic

1) DETERMINE LATERAL FORCES FACTOR
 CURRENT METHOD (ARE) 7. $V = 5W$
 ZONE 5, $Z = 3/4$
 $K = 1.0$ (RACK)

$$C = \frac{1}{1.57} = 0.05$$

$$T = \frac{0.05(16)}{\sqrt{45}} = .1263 \text{ or } 0.10 \text{ MIN}$$

$$S = 1.2$$

USE SPT (CONSERVATIVE)

CHECK 12'0" DIRECTION

$$W_1 = 4 \times 12(500)/2 = 12000$$

$$V_1 = \frac{3}{4}(1.0)(16)(105) = 1045(12000) = 540 \rightarrow$$

$$W_2 = 4 \times 12 \times 500 = 24000 \text{ (SEE SHT 1 FOR RACK CAPACITY)}$$

$$V_2 = 0.045(24000) = 1080$$

$$EV = 540 + 1080 = 1620 \text{ (RACKS TO BE ANCHORED TO EX.)}$$

CHECK OVERTURNING CONC. FLR

$$M = 4(540) + \frac{1}{2}(1080) = 8640 \text{ #/ft}, \quad 1620 \left(\frac{1}{2}\right) = 3240 \leq 8640 \text{ OK}$$

