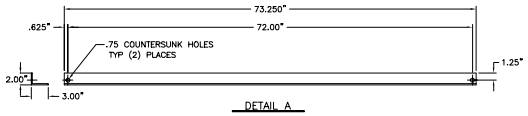
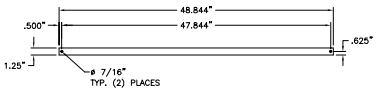
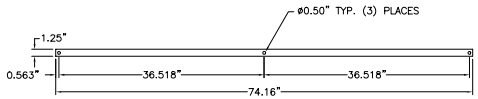


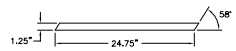
DETAIL A
ADJUSTABLE RAIL (MATERIAL 7 GA)



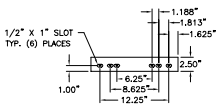
DETAIL B
STTEL BRACE (3/16" X 1 1/4")



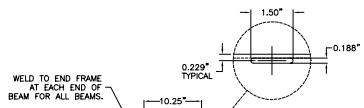
SEISMIC SUPPORT BEAM (MATERIAL 3/16" X 1 1/4")

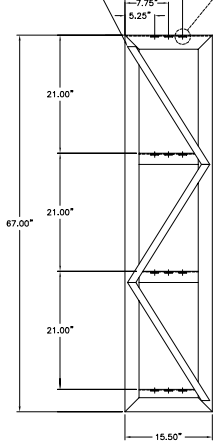


SEISMIC SUPPORT BEAM FOR END FRAME (MATERIAL 3/16" X 1 1/4")

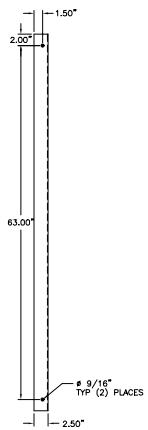


TOP VIEW
(END FRAME)
ADJUSTABLE MOUNTING HOLES



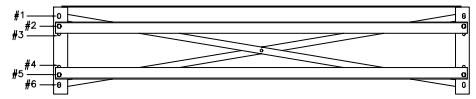


SIDE VIEW
(END FRAME)

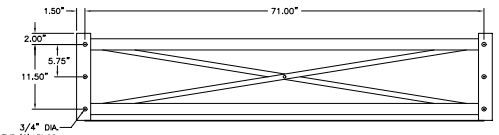


BACK VIEW
(END FRAME)

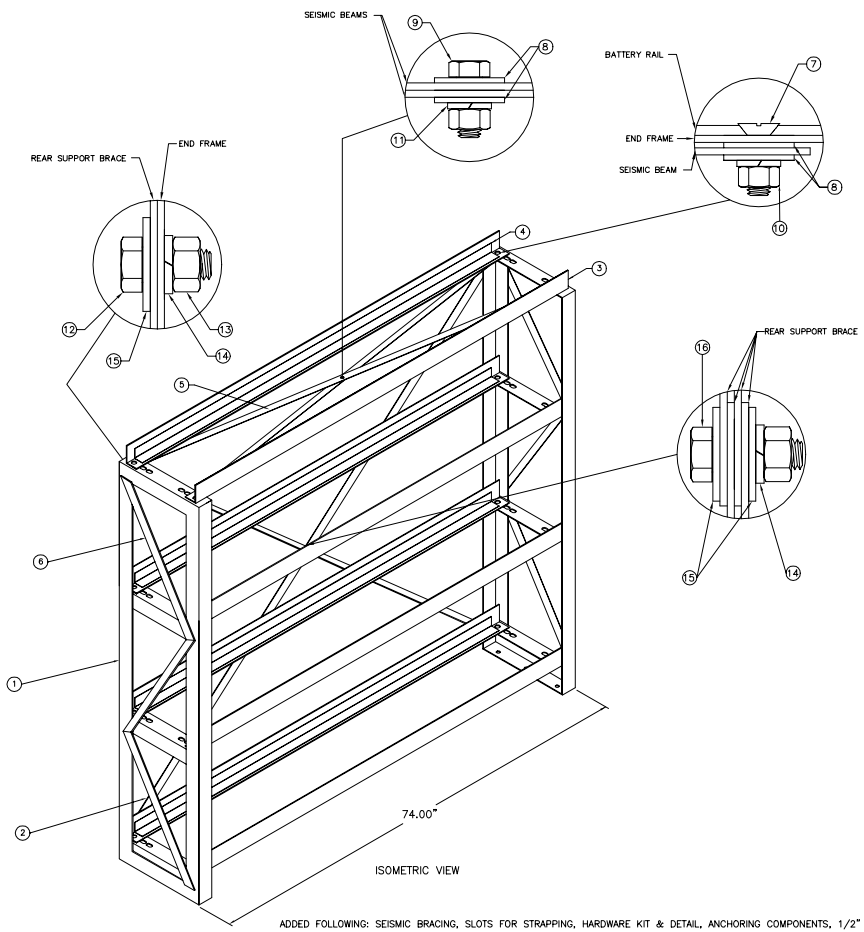
FRAME ASSEMBLY (MATERIAL 10 GA)



TOP VIEW
(ASSEMBLED)



BOTTOM VIEW
(ASSEMBLED)



ISOMETRIC VIEW

ADDED FOLLOWING: SEISMIC BRACING, SLOTS FOR STRAPPING, HARDWARE KIT & DETAIL, ANCHORING COMPONENTS, 1/2" HARDWARE.

MODIFIED RACK ASSEMBLY INSTRUCTIONS PART I, ADDED NOTE FOR 6" SPACING.

ADDED HIDDEN LINES TO BACK VIEW OF END FRAME.

BATTERY QUANTITIES AND MOUNTING HOLES

(40) TC OR PRC-1225X USE MOUNTING HOLES #3 & #4.

(56) TC OR PRC-1230X, 1235X USE MOUNTING HOLES #3 & #4.

(48) TC OR PRC-1245X, 1250XL USE MOUNTING HOLES #3 & #5.

(40) TC OR PRC-1265, 1280X,1290X USE MOUNTING HOLES #1 & #4.

(40) TC OR PRC-12100X USE MOUNTING HOLES #1 & #5.

(40) TC OR PRC-12110X,12120X,12150X USE MOUNTING HOLES #1 & #6.

(40) TC OR PRC-6165X,6200X,6225X USE MOUNTING HOLES #1 & #4.

(40) TC-2450X,2550X,2600X USE MOUNTING HOLES #1 & #4.

RACK ASSEMBLY INSTRUCTIONS

- READ ALL INSTRUCTIONS FULLY BEFORE ATTEMPTING TO INSTALL OR SET UP RACK.

(A) CHECK RECEIVED PARTS AGAINST PARTS LIST BELOW.

(B) RACK LOCATION SHOULD:
A. AWAY FROM OUTSIDE SOURCES OF HEAT (DIRECT SUN-LIGHT. RADIATORS, STEAM PIPES ETC.)
B. ON LEVEL GROUND.
C. EASILLY ACCESSABLE FOR CELL READINGS AND WATER ADDITIONS, IF APPLICABLE (PL BATTERIES).

(C) MARK LOCATION ON FLOOR AND POSITION FRAMES.

(D) INSTALL BRACES ON TO FRAMES AND HAND TIGHTEN NUTS.

(E) INSTALL RAILS IN APPROPRIATE POSITION FOR BATTERY SYSTEM TO BE USED AND HAND TIGHTEN NUTS.

(F) CHECK THAT RAILS AND BRACES ARE IN CORRECT POSITION AND SQUARE RAIL WITH FRAME.

(G) INSTALL RAIL INSULATION ON BOTH INSIDE SURFACES OF THE RAIL MAKING SURE THEY MEET AT THE BEND IN THE RAIL.

(H) TIGHTEN ALL NUTS TO A 30 FT/LB TORQUE VALUE STARTING WITH BRACES FIRST, THEN RAILS.

(I) *BOLT FRAMES TO FLOOR. FOR UBC 97 ZONE FOUR CERTIFIED RACKS, A MINIMUM OF 6" OF SPACING IS NEEDED AROUND ALL SIDES OF RACK.

(J) USE MOUNTING HOLES #3 & 4 FOR PL-7, PL-8, PL-10, PL-11, PL-15 & PL-27 BATTERIES WHEN INSTALLING CELLS LENGTHWISE. OTHER MOUNTING HOLES MAY BE USED FOR OTHER ARRANGMENTS WHEN SMALLER LENGTHS OF RACKS ARE REQUIRED.

(K) ALL MOUNTING SLOTS ARE 1/2" X 1" AND SUPPLIED WITH 3/8" HARDWARE KIT. (SEE NOTE)

(L) ALL RACKS ARE MADE OF STEEL ANGLE SUPPORTS AND ARE PAINTED WITH A TEXTURED IBM WHITE ELECTROSTATIC POWDER COAT.

NOTE: A MINIMUM OF 6" OF SPACE IS NEEDED AROUND EACH SIDE OF RACK IN ORDER TO MEET UBC 97 SEISMIC CRITERIA.

SEISMIC ZONE	*ANCHORING COMPONENTS	SEISMIC SUPPORT BEAMS
1	4-ø1/2"X6" ROD WITH E12 EPOXY CAPSULES	NOT REQUIRED
2A	4-ø1/2"X6" ROD WITH E12 EPOXY CAPSULES	REQUIRED
2B	4-ø1/2"X6" ROD WITH E12 EPOXY CAPSULES	REQUIRED
3	4-ø1/2"X6" ROD WITH E12 EPOXY CAPSULES	REQUIRED
4	6-ø5/8"X9" ROD WITH E12 EPOXY CAPSULES	REQUIRED

*SEE ANCHORING INSTRUCTION DRAWING ANC-9001.

HARDWARE KIT: HK-0008		
16	1/2" X 1 1/2" HEX HEAD SCREW	1
15	1/2" FLAT WASHER	6
14	1/2" SPLIT LOCK WASHER	5
13	1/2" HEX NUT	5
12	1/2" X 1 1/4" HEX HEAD SCREW	4
11	3/8" SPLIT LOCK WASHER	21
10	3/8" HEX NUT	21
9	3/8" X 1 1/2" HEX HEAD SCREW	5
8	3/8" FLAT WASHER	30
7	3/8" X 1" COUNTERSUNK FLAT HEAD SCREW	16
NO.:	DESCRIPTION:	QTY.:

6	SEISMIC END FRAME BEAM	6	RB6074-4T-SSE
5	SEISMIC SUPPORT BEAMS	2	RB74-4T-SSB
4	BATTERY RAIL INSULATION KIT	1	RB74-4T-BRI
3	ADJUSTABLE BATTERY RAILS	8	RB74-4T-ABR
2	REAR SUPPORT BRACE	4	RB74-4T-B
1	END FRAME	2	RB6074-4T-RF
NO.:	DESCRIPTION:	QTY.:	PART NO.:

REVISIONS			DATE: 9/13/99
NO.	DATE	BY	
D	9/14/99	ANT M.	SCALE: NONE
E	2/14/00	ANT M.	
F	3/20/00	ANT M.	DRAWN BY: ANTO
G			
H			NOT VALID UNLESS APPROVED BY:
I			

POWER BATTERY COMPANY INC.

RB74-4T ASSEMBLY DRAWING
FOUR TIER SEISMIC ZONE 1-4
CERTIFIED BATTERY RACK

DRAWING NO.: RB74-4T{F}