

DETAIL A
TYPICAL REINFORCEMENT
(SEE NOTE 1)

SECTION A-A

PARTS LIST			
ITEM	STOCK NO.	DESCRIPTION	REQ'D
1	2760381-0000	ANCHOR, PCMB, QG	6.00
2	3525210-0000	ANCHOR, MP-3, QUART KIT, CZ	3.00
3	2700731-0500	ROD THREADED 3/4X18, G5, G	12.00
4	3525130-0000	ANCHOR, MP-3, PT KIT, 3/4X6 1/2 HOR	2.00
5	354026Z-0000	INSTRUCTIONS, PCMB ANCHOR ASSY.	1.00

REFER TO CITY STANDARD
CW-315

SEE NOTES 2 & 4 (2) (3)

SEE NOTES 2 & 3 (4)

#5 18" O.C.
9 PER PANEL

#5 (6 TOTAL)

32 MPa CW 310-R9

N/A

NOTE:

- THE REINFORCEMENT SHOWN IN DETAIL "A" IS RECOMMENDED FOR PORTABLE CONCRETE BARRIER TO ENSURE ADEQUATE BARRIER INTEGRITY WHEN USED IN COMBINATION WITH THE QUADGUARD SYSTEM. THE DETAIL SHOWN IS BASED ON STATE OF CALIFORNIA STANDARD PLANS FOR TEMPORARY RAILING (TYPE K). VARIATIONS MAY BE REVIEWED AND DETERMINATIONS MADE AS TO REASONABLE EQUIVALENCE BY PROJECT ENGINEER.
- USE ANCHOR PLATE AS TEMPLATE FOR DRILLING.
- RECOMMENDED HOLE DEPTH INTO PCMB IS 127[5.00]. DRILL 4 HOLES IF NECESSARY TO INSTALL A MINIMUM OF 2 ANCHOR BOLTS PER BRACKET. FINAL TORQUE TO BE 163 kN[120 ft-lbs] (TYP).
- IMPACT FORCES CAN BE TRANSFERRED INTO TERMINAL END OF THE BARRIER. ADEQUATE ANCHORAGE IS REQUIRED TO ENSURE PROPER IMPACT PERFORMANCE. PCMB MUST BE ANCHORED TO A RIGID SURFACE (NOT DIRT) WITH A MINIMUM OF 12 THREADED RODS (ITEM 3) AS SHOWN. ANCHOR BOTH SIDES OF BARRIER USING ITEM 1 (6 REQUIRED). ATTACH PCMB USING ONE OF THE FOLLOWING:
 - a) 1 1/2" STUDS MAY BE USED TO ANCHOR PCMB TO 28-MPa [4000-PSI]-MIN. P.C. CONCRETE PER THE FOLLOWING MINIMUM CONCRETE DEPTHS:**
 - q) 150-[6.00] NON-REINFORCED ROADWAY.
 - b) 180-[7.00] DECK STRUCTURE.
 - 18" THREADED RODS MAY BE USED TO ANCHOR PCMB TO ASPHALT (.6" MIN. THICKNESS)**
- MIN. 28 MPa [4,000 PSI] P.C. CONCRETE MEDIAN BARRIER.
- DIMENSIONS ARE IN MILLIMETERS [INCHES] UNLESS OTHERWISE NOTED.

**REFER TO THE QUADGUARD CZ MP-3 ANCHORING SYSTEM INSTALLATION INSTRUCTIONS FOR SPECIFICATIONS.

Revisions	Date	Rev.	By	Ckd.	App.
UPDATED TITLE BLOCK AND NOTE 1	02/01/97	A	HN	STT	SPT
ADDED & REVISED BRACKETS & NOTES	9/16/97	B	JE	KM	SPT
ADDED INSTRUCTION NUMBER	11/19/97	C	DM	KM	KM

REFERENCES

DESIGNED:	J. Espinoza	DATE:	7/31/97
DESIGNED:	S. Turner	DATE:	11/07/96
CHECKED:	KRM	DATE:	9/12/97
APPROVED:	SPT	DATE:	9/17/97
CAD FILE:	3540260-0000.dwg		
NEXT ASSEMBLY:			

ASSEMBLY NO. 3540260-0000

ENERGY ABSORPTION SYSTEMS, INC.
ENGINEERING AND RESEARCH DEPARTMENT

QUADGUARD™ SYSTEM
PCMB ANCHOR ASSEMBLY

INSTRUCTION NUMBER 354026Z-0000

SCALE: N.T.S. PART: 3540260-0000 1 of 1 C

QuadGuard® System