



NOTES:

1. IN COMPLIANCE WITH THE AASHTO 2011 ROADSIDE DESIGN GUIDE, MANUFACTURER RECOMMENDS REMOVAL OF ALL CURBS AND ISLANDS TO ENSURE PROPER IMPACT PERFORMANCE.
2. PROVISION SHALL BE MADE FOR REAR FENDER PANELS TO SLIDE REARWARD UPON IMPACT 762 [30.00] MIN.
3. FOR FURTHER ASSISTANCE RELATING TO ANCHORAGE OF THE QUADGUARD CEN, PLEASE CONTACT CUSTOMER SERVICE AT (312) 467-6750.
4. SEE THE "QUADGUARD CEN SYSTEM PRODUCT MANUAL", FOR A DESCRIPTION OF ITS IMPACT PERFORMANCE CHARACTERISTICS AND DESIGN LIMITATIONS BEFORE PLACING A SYSTEM AT A GIVEN SITE. INFORMATION AND COPIES OF CURRENT MANUAL ARE AVAILABLE BY CALLING CUSTOMER SERVICE DEPARTMENT AT (312) 467-6750.

5. WHERE NECESSARY, THE CUSTOMER SHALL SUPPLY A TRANSITION FROM THE QUADGUARD SYSTEM TO THE OBJECT BEING SHIELDED.
6. UNITS OF MEASUREMENT ARE MILLIMETERS [INCHES], UNLESS OTHERWISE NOTED.
7. BACKUP AND MONORAIL ASSEMBLIES NOT INCLUDED IN MODEL NUMBER, ORDER SEPARATELY.
8. OVERALL WIDTH FOR 5 BAY SYSTEM. OTHER SYSTEMS ARE SLIGHTLY NARROWER.

TABLE

NO. BAYS	MODEL NO.	SYSTEM LENGTH	EFFECTIVE LENGTH	DESIGN SPEED
5	QI9005*	5.22m [17'-1 1/2"]	4.57m [15'-0"]	80 km/h
6	QI9006*	6.13m [20'-1 1/2"]	5.49m [18'-0"]	100 km/h
8	QI9008*	7.96m [26'-1 1/2"]	7.32m [24'-0"]	110 km/h

\* Y = YELLOW NOSE,  
G = GRAY OR GALVANIZED NOSE,  
B = BLACK NOSE

UNIDIRECTIONAL  
MODEL NO. SEE TABLE

KEY	① QUADGUARD CARTRIDGE	④ MONORAIL	⑦ BUMPER		
	② DIAPHRAGM	⑤ NOSE ASSEMBLY			
	③ FENDER PANEL	⑥ BACKUP			
Revisions	Date	Rev.	By	Ckd.	App.
ADD STEEL NOSE TO REF, ADD NOSE TO NOTE 7, ADD GALV NOSE, ECO 2869	3/5/10	K	DPH	JME	FJP
ECO 3330; REMOVED STEEL NOSE REF.	3/19/12	L	DDW	JME	KRM
REMOVED SPRING DEPICTION FROM NOSE	6/22/12	M	STT	PLK	KWL

REFERENCES	
SERIAL#	DIAPHRAGM ASSY. 3540509-0000
SALES ORDER#	FENDER PANEL ASSY. 608240
EH PROJECT#	BUMPER ASSY. 3540580-0000
DESIGN SPEED	BACKUP ASSY. 3540565-0000
NOSE COLOR	MONORAIL ASSY. 3540060-0CEN
NUMBER OF UNITS	BELT NOSE ASSY. 3540552-0000
	SEE CHART ABOVE

DRAWN:	D. STAUS	DATE:	10/28/99
DESIGNED:	RBB	DATE:	10/28/99
CHECKED:	KRM	DATE:	11/04/99
APPROVED:	RBB	DATE:	11/04/99
CAD FILE:	QCTSCVR-U90.dwg		

ENERGY ABSORPTION SYSTEMS  
ENGINEERING AND RESEARCH DEPARTMENT

QUADGUARD® CEN SYSTEM  
90" SYSTEM W/TENSIONS STRUT BACKUP

SCALE	1:40	DWG.	QCTSCVR-U90	SHEET	1 OF 1	REV	M
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