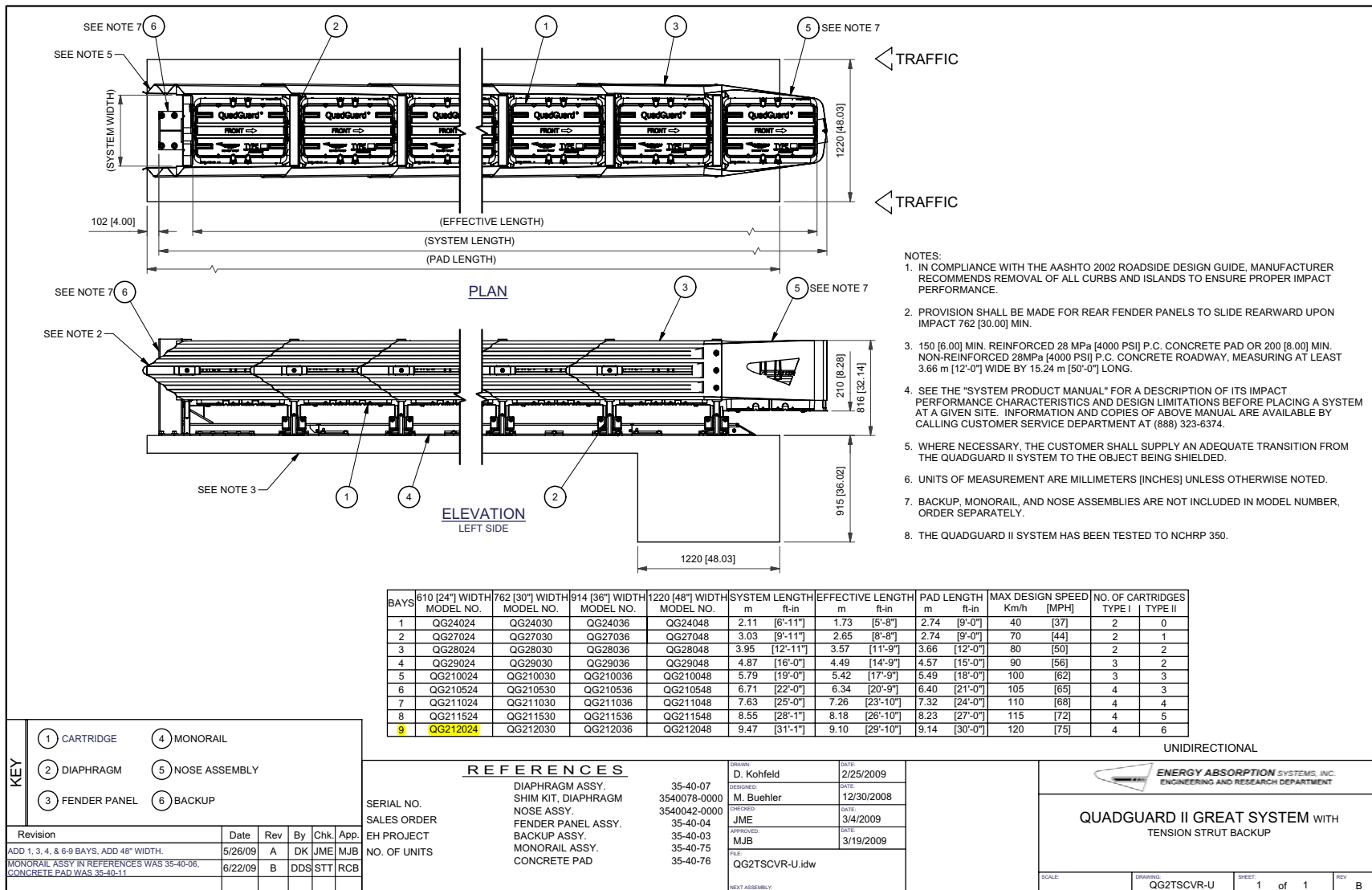
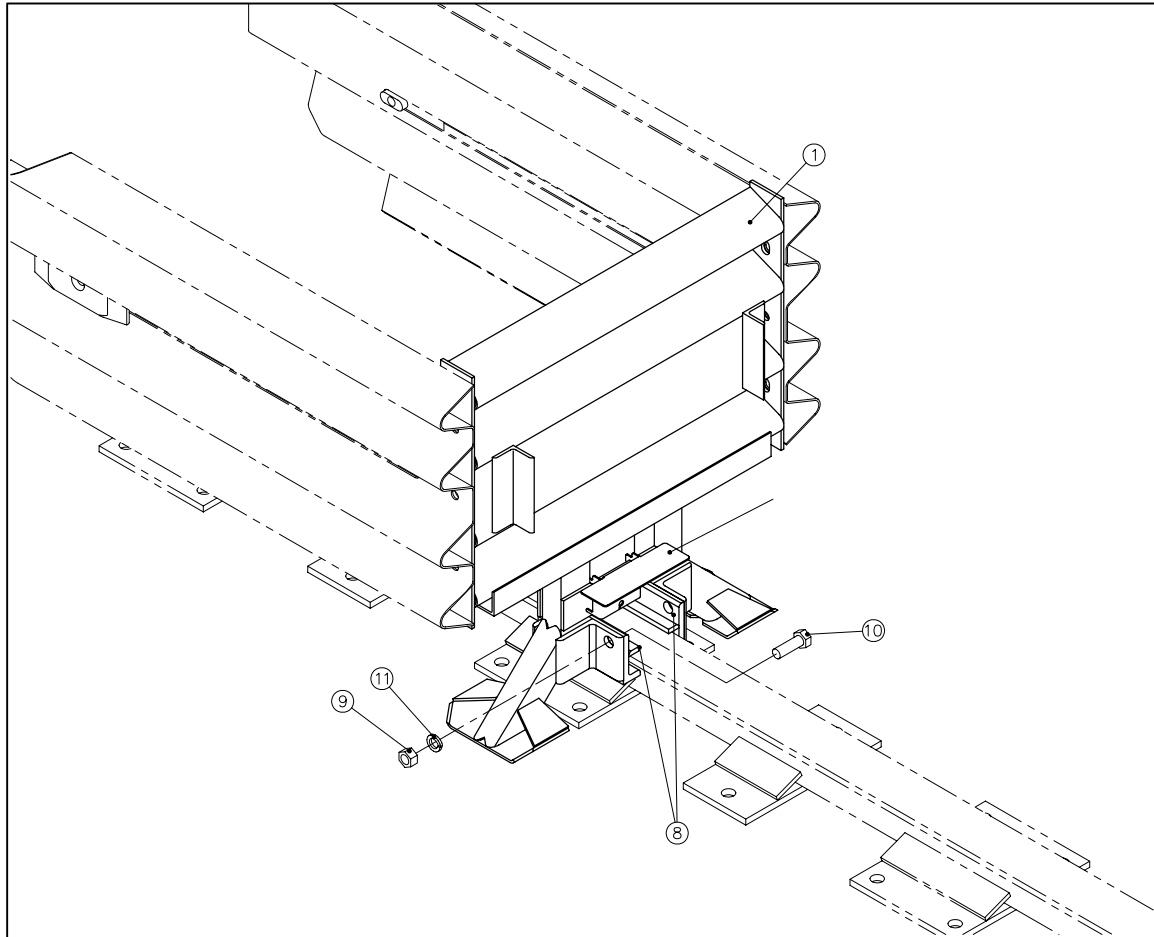






PARTS LIST			
ITEM	STOCK NO.	DESCRIPTION	REQ'D
1	SEE TABLE A	DIAPHRAGM,QB,QG,G	1.00
8	2760091-0000	MONORAIL GUIDE,QG,G	2.00
9	2704341-0000	NUT,HX,3/4,G,GR DH	4.00
10	2699121-0000	BOLT,HX,3/4X2,GB,G	4.00
11	2708201-0000	WASHER,LOCK,3/4,G	4.00
12	2760292-0000	BRACKET,CART SUPPORT,DIAPHRAGM	2.00

TABLE A

ASSY. NO.	STOCK NO.	DESCRIPTION	WIDTH
3540071-0000	2761011-0000	DIAPHRAGM,QB,24,QG,G	610 [24.00]
3540072-0000	2761021-0000	DIAPHRAGM,QB,30,QG,G	760 [30.00]
3540073-0000	2761031-0000	DIAPHRAGM,QB,36,QG,G	915 [36.00]

REFERENCES

DRAWN:	J. Espinoza	DATE:	5-2-96
DESIGNED:		DATE:	
CHECKED:	S. Trageser	DATE:	5/17/96
APPROVED:	J. Machado	DATE:	5/17/96
CAD FILE:	354007.dwg		
NEXT ASSEMBLY:			

ASSEMBLY NO. SEE TABLE A

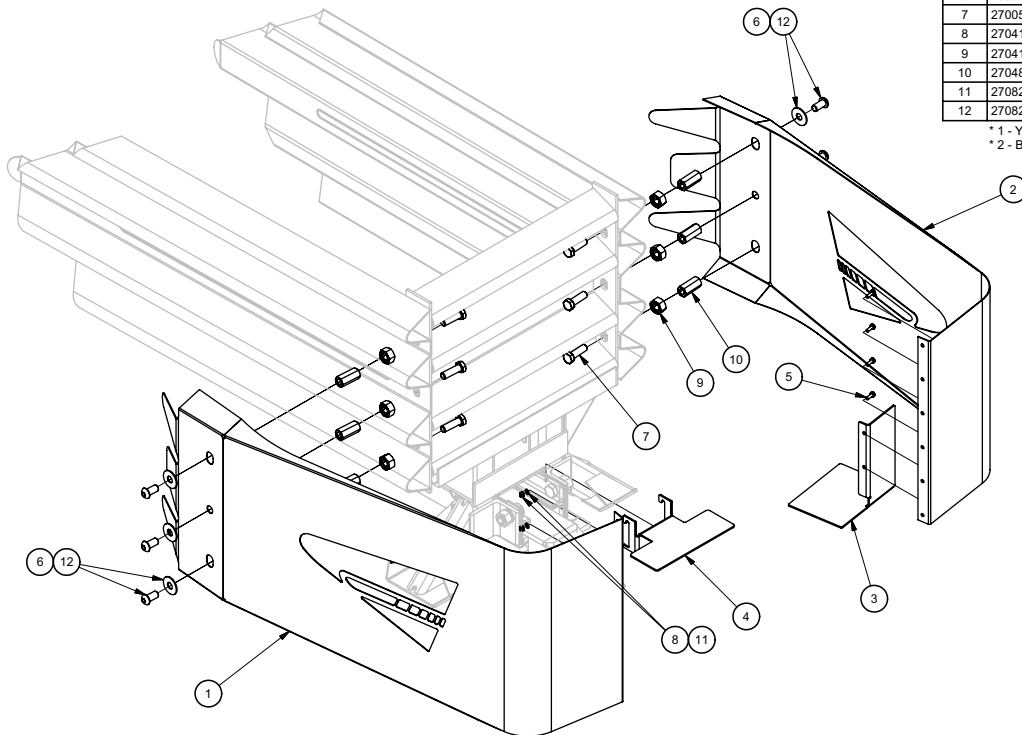


ENERGY ABSORPTION SYSTEMS, INC.
ENGINEERING AND RESEARCH DEPARTMENT

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Revisions	Date	Rev.	By	Ckd.	App.
ADDED NOTE (ECO 2663)	5/27/09	F	WWL	STT	MJB

SCALE	N.T.S.	DWG.	35-40-07	SHEET	1 of 1	REV	G
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PARTS LIST			
ITEM	STOCK NO.	DESCRIPTION	QTY.
1	2760072-0*00	NOSE,L,NARROW,QGII,W/LOGO	1
2	2760073-0*00	NOSE,R,NARROW,QGII,W/LOGO	1
3	2760076-0000	BRACKET,CART SUPPORT,NOSE,QGII,B	1
4	2760297-0000	BRACKET,CART SUPPORT,NOSE BAY,QGII,G	1
5	2699065-0000	BOLT,HX,1/4X3/4,G	6
6	2699841-0000	BOLT,BT,5/8X1 1/4,HX SOC,M GALV	6
7	2700501-0000	BOLT,HX,5/8X2,G2,G	6
8	2704151-0000	NUT,HX,1/4,G	6
9	2704191-0000	NUT,HX,5/8,G,RAIL	6
10	2704851-0000	NUT,HEX,COUPLING,5/8-11X2 1/8,G	6
11	2708281-0000	WASHER,LOCK,1/4,G	6
12	2708291-0000	WASHER,FLAT,5/8 X 1 3/4, G	6

* 1 - YELLOW
* 2 - BLACK

ASSEMBLY NO. 3540042-0100 (YELLOW)
ASSEMBLY NO. 3540042-0200 (BLACK)

 **ENERGY ABSORPTION SYSTEMS, INC.**
ENGINEERING AND RESEARCH DEPARTMENT

NOSE ASSY, GREAT QGII,NARROW

SCALE: DRAWING: 3540042-0000 SHEET 1 of 2 REV B

Revision	Date	Rev	By	Chk.	App.
ADDED BLACK OPTION, DWG NO. WAS 3540042-0100.	4/9/09	A	DK	KRM	MJB
ADD SHEET 2, PN 3540044-0100 & 3540044-0200.	5/22/09	B	DK	BK	BRE

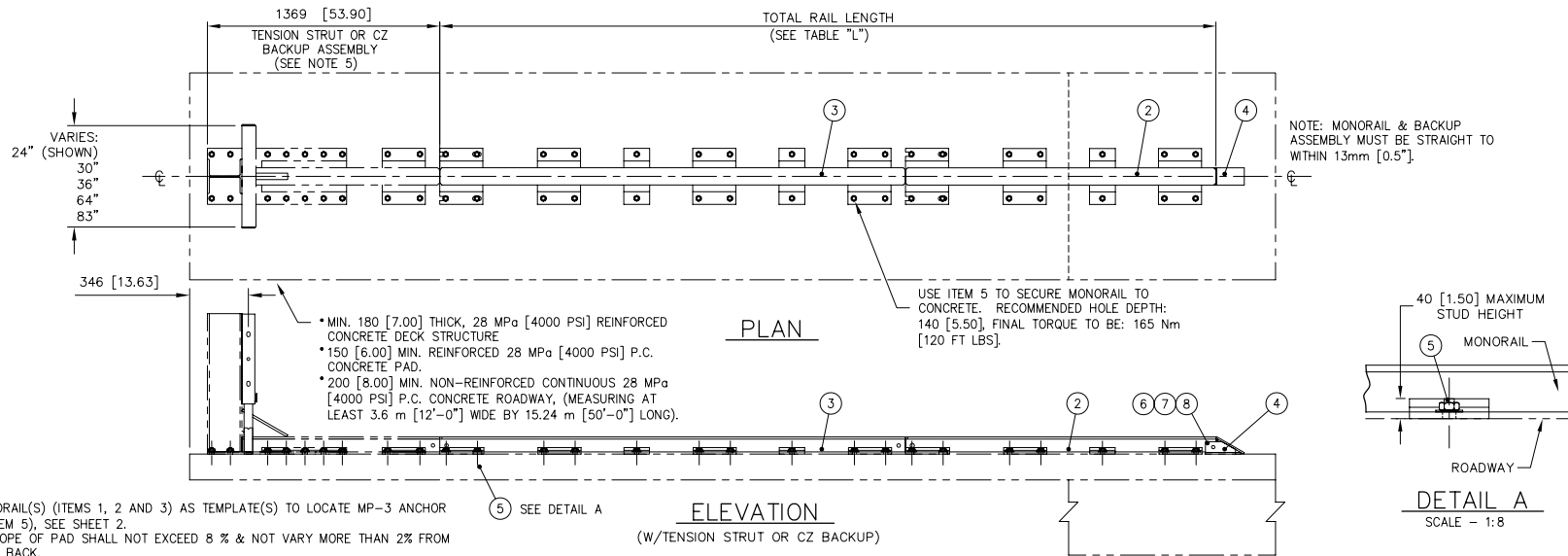
DRAWN: D. Kohfeld	DATE: 2/26/2009
DESIGNED: M. Buehler	DATE: 12/30/2008
CHECKED: JME	DATE: 3/4/2009
APPROVED: MJB	DATE: 3/19/2009
FILE: 3540042-0000.idw	
NEXT ASSEMBLY:	

TABLE "L"						
ASSEMBLY NO.	TOTAL RAIL LENGTH	*ITEM 1	*ITEM 2	*ITEM 3	*ITEM 5	NO. OF BAYS
3540060-0100	0	0	0	0	0	1
3540060-0200	915 [36.0]	1	0	0	2	2
3540060-0300	1830 [72.0]	0	1	0	3	3
3540060-0400	2745 [108.1]	0	0	1	4	4
3540060-0500	3660 [144.1]	1	0	1	5	5
3540060-0600	4575 [180.1]	0	1	1	6	6
3540060-0700	5490 [216.1]	0	0	2	7	7
3540060-0800	6405 [252.1]	1	0	2	8	8
3540060-0900	7320 [288.2]	0	1	2	9	9

NOT APPLICABLE FOR 69" & 90" OR CZ QG SYSTEMS

PARTS LIST			
ITEM	STOCK NO.	DESCRIPTION	REQ'D
1	2760051-0000	MONORAIL, ONE BAY, QG, G	*
2	2760061-0000	MONORAIL, TWO BAYS, QG, G	*
3	2760071-0000	MONORAIL, THREE BAYS, QG, G	*
4	2760041-0000	END CAP, MONORAIL, QG, G	1.00
5	3525300-0000	ANCHOR, MP-3, PT-KIT, 3/4X7, VT	*
6	2699571-0000	BOLT, HX, 5/8X3 1/2, G5, G	1.00
7	2704141-0000	NUT, HX, 5/8, G	1.00
8	2708231-0000	WASHER, LOCK, 5/8, G	1.00

* SEE TABLE



NOTES:

1. USE MONORAIL(S) (ITEMS 1, 2 AND 3) AS TEMPLATE(S) TO LOCATE MP-3 ANCHOR BOLTS (ITEM 5). SEE SHEET 2.
2. GROSS SLOPE OF PAD SHALL NOT EXCEED 8 % & NOT VARY MORE THAN 2% FROM FRONT TO BACK.
3. UNITS OF MEASUREMENT ARE MILLIMETERS [INCHES] UNLESS OTHERWISE NOTED.
4. EVERY STUD MUST BE EMBEDDED TO A DEPTH OF 140 [5.5] IF REBAR IS ENCOUNTERED IN A P.C. CONCRETE PAD, DRILL THROUGH IT. IF REBAR IS ENCOUNTERED ON A DECK STRUCTURE, ASK PROJECT ENGINEER FOR DIRECTION.
5. FOR CZ SYSTEMS, SEE DRAWING 35-40-24 ALSO.

REFERENCES

DRAWN:	W. Leddington	DATE:	5/27/09
DESIGNED:		DATE:	
CHECKED:	S. Trageser	DATE:	5/28/09
APPROVED:	M.J. Buehler	DATE:	5/28/09
CAD FILE:	354075.dwg		
NEXT ASSEMBLY:			

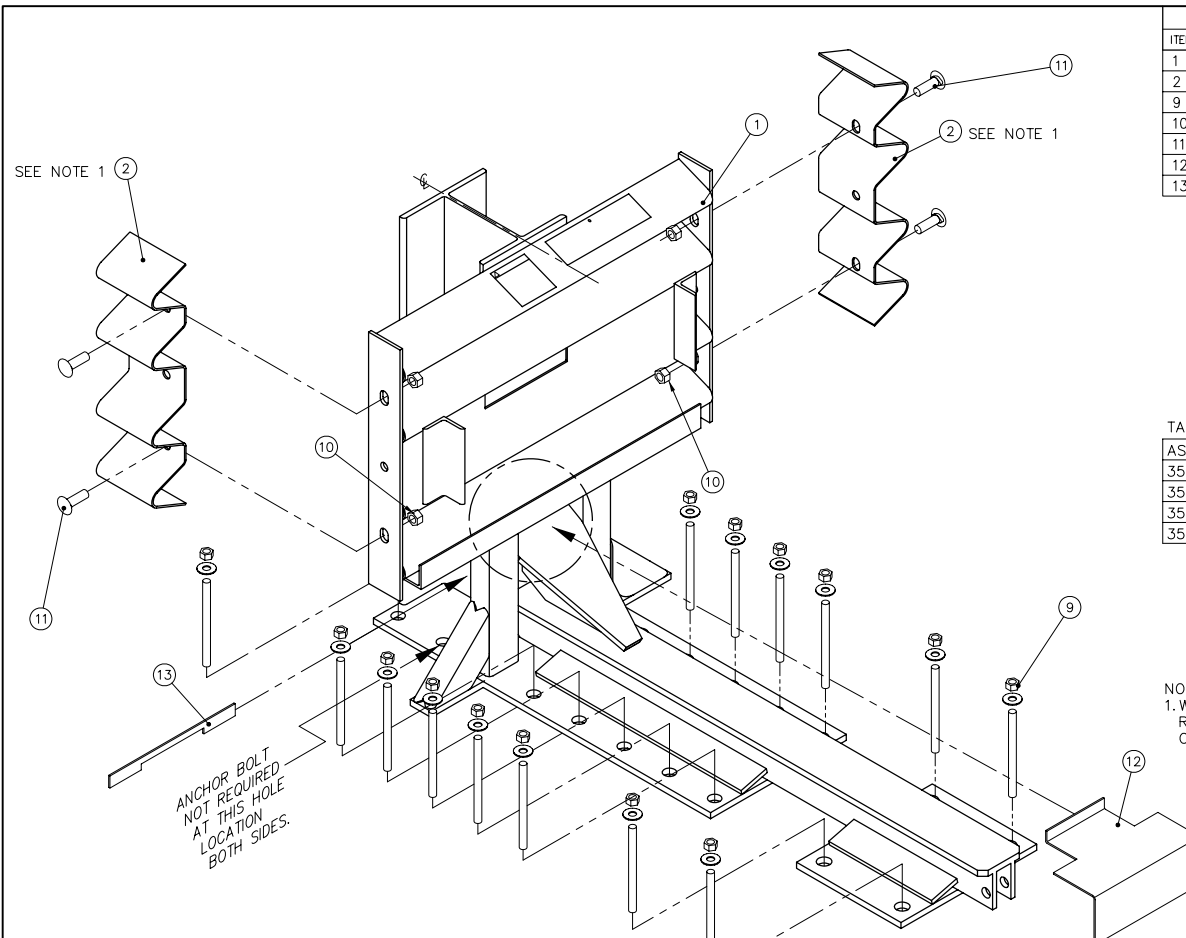
ASSEMBLY NO. SEE TABLE L



ENERGY ABSORPTION SYSTEMS, INC.
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Revisions	Date	Rev.	By	Ckd.	App.

SCALE	N.T.S.	DWG	35-40-75	SHEET	1 of 3	REV	-
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PARTS LIST			
ITEM	STOCK NO.	DESCRIPTION	REQ'D
1	SEE TABLE A	BACKUP,TS,QQ,G	1.00
2	2760141-0000	PANEL,SIDE,QQ,G	2.00
9	3525300-0000	ANCHOR,MP-3,PT-KIT,3/4X7,VT	3.00
10	2704191-0000	NUT,HX,5/8,G,RAIL	4.00
11	2699341-0000	BOLT,RAIL,5/8X2,G	4.00
12	2760293-0000	BRACKET,CARTRIDGE SUPPORT,TS B/U	1.00
13	2760294-0000	LOCKING BAR,CARTRIDGE SUPPORT	1.00

TABLE A

ASSY. NO.	STOCK NO.	DESCRIPTION	WIDTH
3540031-0000	2760011-0000	BACKUP,TS,24,QQ,G	610 [24.00]
3540032-0000	2760021-0000	BACKUP,TS,30,QQ,G	760 [30.00]
3540033-0000	2760031-0000	BACKUP,TS,36,QQ,G	915 [36.00]
3540030-0000	2760044-0000	BACKUP,TS,48,QQ,G	1219 [48.00]

NOTES:

1. WHEN TRANSITIONING QUADGUARD SYSTEM TO EXISTING BARRIER REFER TO THE TRANSITION ASSEMBLY DRAWINGS FOR PROPER USE OF SIDE PANEL PART NO. 2760141-0000.

ASSEMBLY NO. SEE TABLE A



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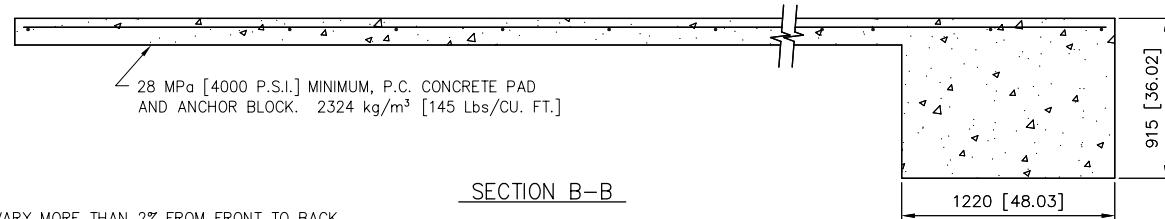
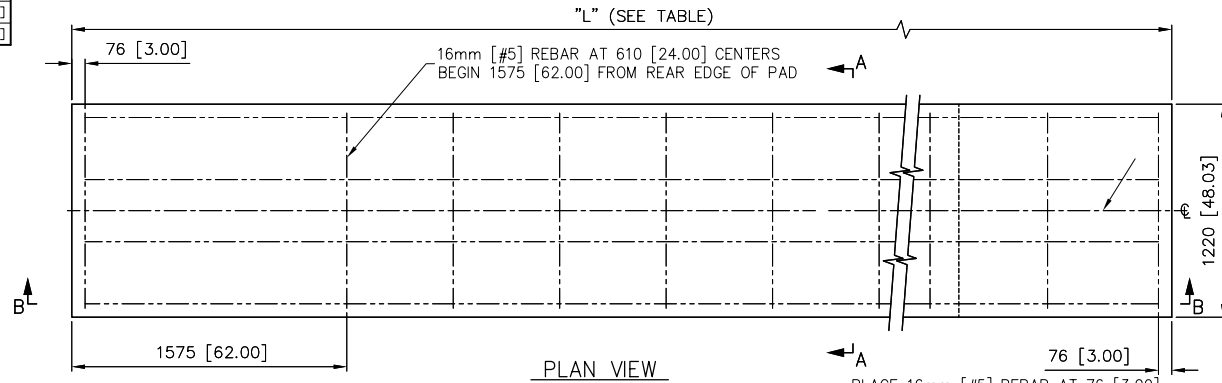
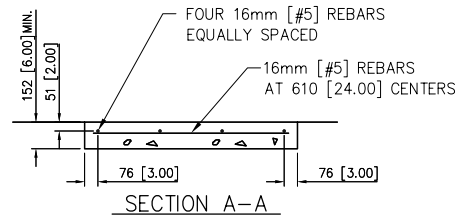
SCALE: N.T.S. DWG: 35-40-03 SHEET: 1 of 1 REV: G

REFERENCES

Revisions	Date	Rev.	By	Ckd.	App.
DEL ITEMS 3,5,6,7,&8,ADDED ITEMS 12 & 13, UPDATED RAIL END HOLES.	10/21/97	E	RGC	KRM	DLJ
REMOVED 1 ANCHOR BOLT & ADDED NOTE	03/19/99	F	LWC	KM	SPT
ADDED 48" ASSY INFO INTO TABLE A	06/04/09	G	RJV	STT	RCB

DRAWN:	S. LEWIS	DATE:	4-22-96
DESIGNED:	JVM/MHO	DATE:	3-1-96
CHECKED:	S. Trageser	DATE:	5/16/96
APPROVED:	J. Machado	DATE:	5/16/96
CAD FILE:	354003.dwg		
NEXT ASSEMBLY:			

NO. OF BAYS	TABLE				YARDS OF CONCRETE IN PAD
	"L" (PAD LENGTH)		REBAR REQUIRED		
	[m]	[ft-in]	[m]	[ft-in]	m ³ [YARDS ³]
1	2.74	[9'-0"]	14.83	[48'-8"]	1.59 [2.1]
2	2.74	[9'-0"]	14.83	[48'-8"]	1.59 [2.1]
3	3.66	[12'-0"]	20.73	[68'-0"]	1.82 [2.4]
4	4.57	[15'-0"]	25.50	[83'-8"]	1.97 [2.6]
5	5.49	[18'-0"]	31.39	[103'-0"]	2.12 [2.8]
6	6.40	[21'-0"]	36.17	[118'-8"]	2.35 [3.1]
7	7.32	[24'-0"]	42.06	[138'-0"]	2.51 [3.3]
8	8.23	[27'-0"]	46.84	[153'-8"]	2.66 [3.5]
9	9.14	[30'-0"]	52.73	[173'-0"]	2.81 [3.7]



NOTES:

- CROSS SLOPE OF PAD SHALL NOT EXCEED 8%, AND NOT VARY MORE THAN 2% FROM FRONT TO BACK.
- UNITS OF MEASUREMENT ARE MILLIMETERS [INCHES] UNLESS OTHERWISE NOTED.

REFERENCES

DRAWN:	W. Leddington	DATE:	5/27/09
DESIGNED:		DATE:	
CHECKED:	S. Trageser	DATE:	5/28/09
APPROVED:	M.J. Buehler	DATE:	5/28/09
CAD FILE:	354076.DWG		
NEXT ASSEMBLY:			

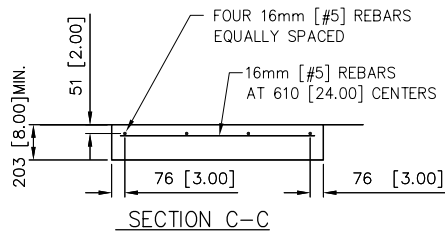
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ENGINEERING AND RESEARCH DEPARTMENT

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SCALE	NTS	DWG.	35-40-76	SHEET	1 of 2	REV	
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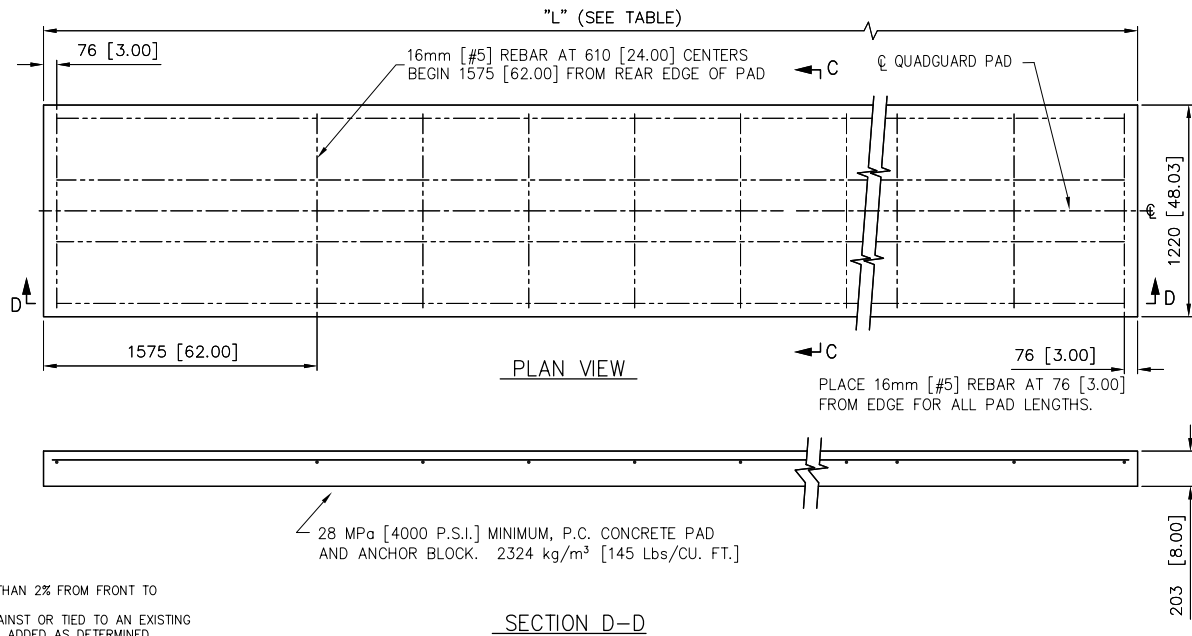
Revisions	Date	Rev.	By	Ckd.	App.

TABLE					YARDS OF CONCRETE IN PAD	
NO. OF BAYS	"L" (PAD LENGTH)		REBAR REQUIRED			m ³ [YARDS ³]
	[m]	[ft-in]	[m]	[ft-in]		
1	2.74	[9'-0"]	14.83	[48'-8"]	0.7 [0.9]	
2	2.74	[9'-0"]	14.83	[48'-8"]	0.7 [0.9]	
3	3.66	[12'-0"]	20.73	[68'-0"]	0.9 [1.2]	
4	4.57	[15'-0"]	25.50	[83'-8"]	1.2 [1.5]	
5	5.49	[18'-0"]	31.39	[103'-0"]	1.4 [1.8]	
6	6.40	[21'-0"]	36.17	[118'-8"]	1.6 [2.1]	
7	7.32	[24'-0"]	42.06	[138'-0"]	1.8 [2.4]	
8	8.23	[27'-0"]	46.84	[153'-8"]	2.1 [2.7]	
9	9.14	[30'-0"]	52.73	[173'-0"]	2.3 [3.0]	



NOTES:

- CROSS SLOPE OF PAD SHALL NOT EXCEED 8%, AND NOT VARY MORE THAN 2% FROM FRONT TO BACK.
- TO PREVENT SLIDING DURING AN IMPACT, PAD MUST BE INSTALLED AGAINST OR TIED TO AN EXISTING STRUCTURE. OTHERWISE ADDITIONAL BELOW GRADE SUPPORTS MUST BE ADDED AS DETERMINED NECESSARY BY THE PROJECT ENGINEER.
- UNITS OF MEASUREMENT ARE MILLIMETERS [INCHES] UNLESS OTHERWISE NOTED.



REFERENCES

DRAWN:	W. Leddington	DATE:	5/27/09
DESIGNED:	---	DATE:	---
CHECKED:	S. Trageser	DATE:	5/28/09
APPROVED:	M.J. Buehler	DATE:	5/28/09
CAD FILE:	354076.dwg		
NEXT ASSEMBLY:			

 ENERGY ABSORPTION SYSTEMS, INC. ENGINEERING AND RESEARCH DEPARTMENT			
®			
SCALE	NTS	DWG.	35-40-76
SHEET	2 of 2	REV	

Revisions	Date	Rev.	By	Ckd.	App.