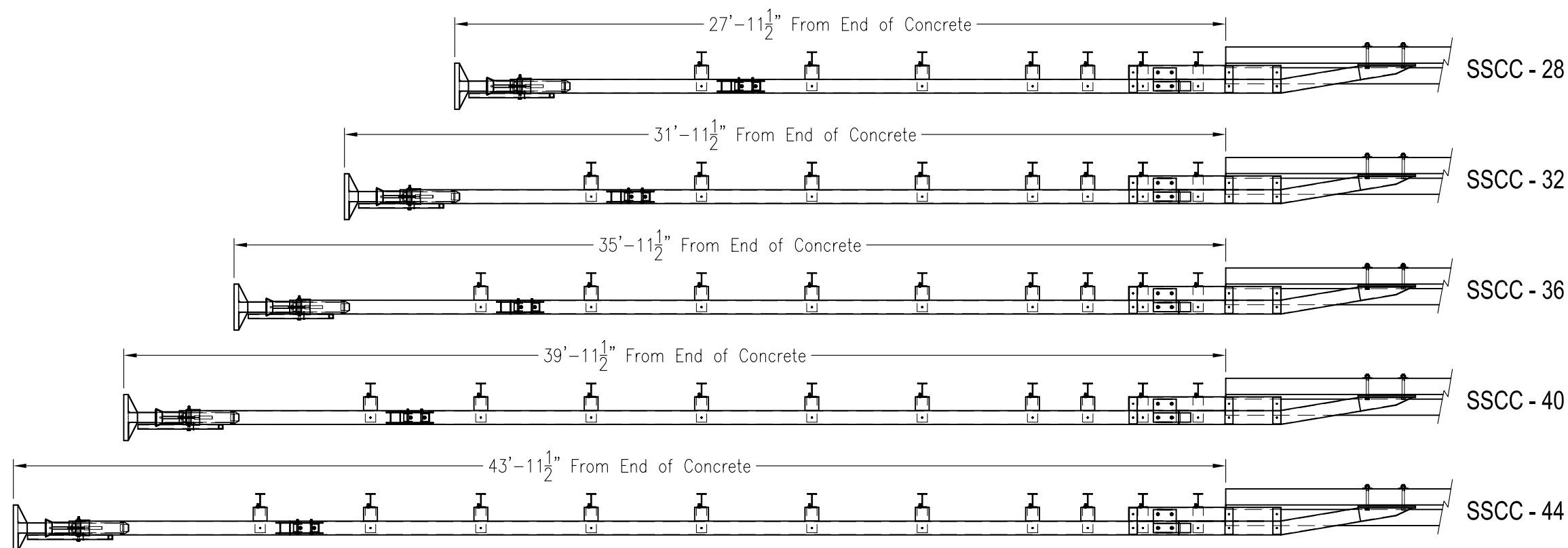


### SSCC-40 SYSTEM LAYOUT

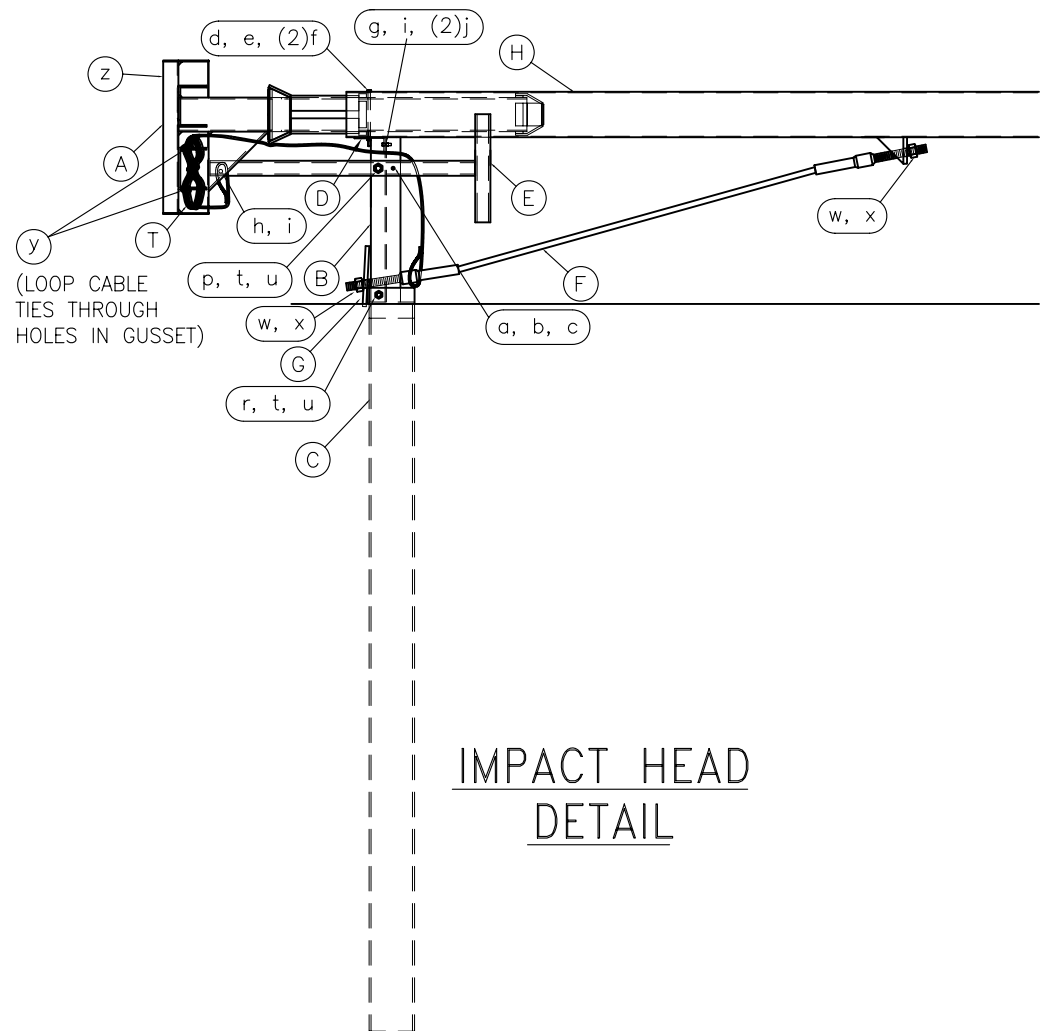
1. Due to its single-sided design the BEAT-SSCC is not appropriate for use at locations where backside hits towards the rigid concrete barrier are possible, e.g. in gore areas.
2. All bolts, nuts, cable assemblies, cable anchors, bearing plate, tubing, post, impact heads, and other steel components shall be galvanized, unless otherwise noted.
3. The breakaway cable assembly must be taut. A locking device, (vice grips or channel lock pliers) should be used to prevent the cable from twisting when tightening the nuts.
4. When site conditions permit, posts may be driven. The lower section of post #1 should not be driven with the upper post attached. If posts are placed in a drilled hole, the backfill material must be satisfactorily compacted to prevent settlement.
5. If rock excavation is encountered, see manufacturer's installation booklet for installation recommendations.
6. Post shall not be set full depth in concrete.
7. The appropriate connection of the SSCC to the stationary rigid structure is a critical component to insure proper performance of the system. The length of the 1" bolts used to attach the system to the rigid structure will vary with the wall structure and will need to be determined in the field.
8. The approach area in front of the SSCC and the area within the system itself shall be free of fixed obstacles greater than 4 inches in height and have a fill slope or a cut slope of 1V:10H or flatter.
9. Unless otherwise shown in the plans, SSCC rail placed in the vicinity of curbs shall be blocked out so that the face of curb is located directly below the face of rail. The steel posts shall be installed at the proper ground elevation above the gutter pan or roadway surface. Curbs located along or in front of the SSCC system shall not be greater than 4 inches in height.
10. An object marker may be installed on the front of the impact head as specified by the user agency.



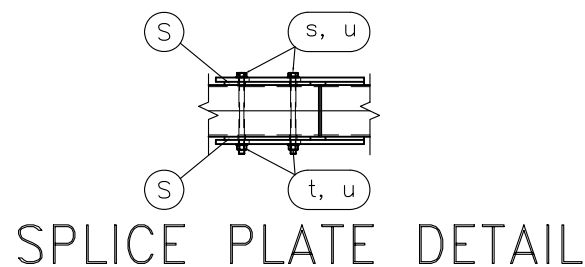
### AVAILABLE SYSTEM CONFIGURATIONS

**RSI**  
**Road Systems, Inc.**  
 Big Spring, TX  
 Phone: 432-263-2435  
 or Phone: 330-346-0721

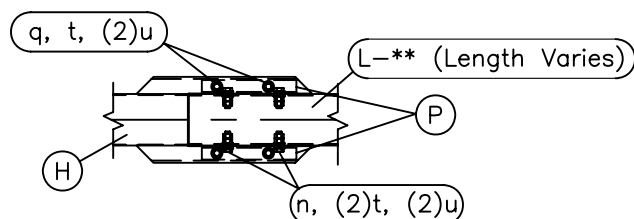
BEAT-SSCC Single Sided Crash Cushion		Sheet: S1
Variable Length System Configurations		Date: 11/27/2007
		By: JRR
Drawing Name: BEAT SSCC VAR	Scale: None	Rev: 0



**IMPACT HEAD  
DETAIL**

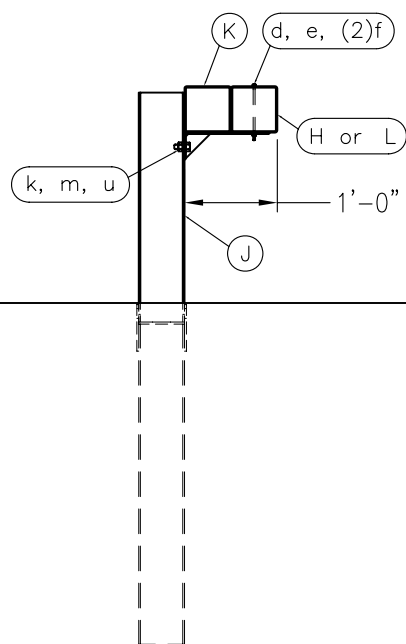


**SPLICE PLATE DETAIL**

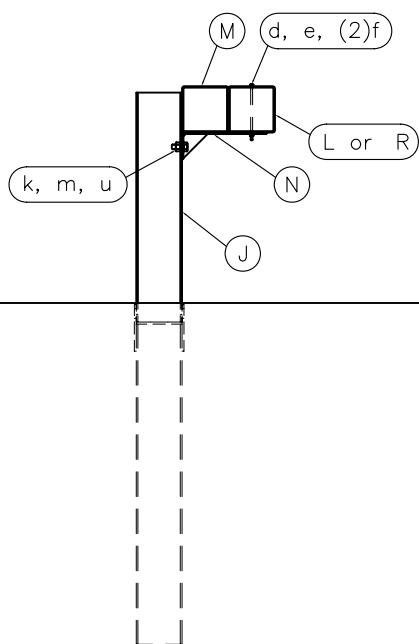


**END SPLICE DETAIL**

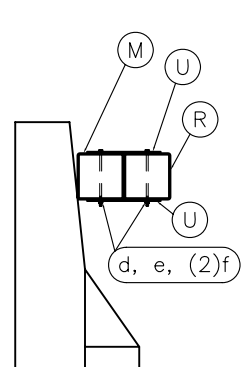
Item P (splice channels) will set on top and bottom of Item L (second rail). The bent plates welded to the end of Item H (end tube rail) will set on top of Item P (splice channels).



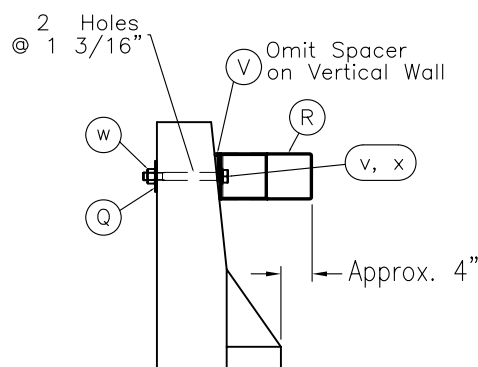
**LINE POSTS**



**END POSTS (2)**



**SECTION "A-A"**



**SECTION "B-B"**

ITEM	QUANTITY SSCC-28	QUANTITY SSCC-32	QUANTITY SSCC-36	QUANTITY SSCC-40	QUANTITY SSCC-44	DESCRIPTION	ITEM NO.
A	1	1	1	1	1	Box-Beam Impact Head	B3000
B	1	1	1	1	1	Upper End Post - W6x9 x 1'-9 1/2" LG.	BEAT-UP
C	1	1	1	1	1	Lower End Post - W6x15 x 8'-0" LG.	BEAT-LP
D	1	1	1	1	1	Support Bracket - L4x2 x 4" LG.	BEAT-SB
E	1	1	1	1	1	Post Breaker - Welded TS2x2x1/4"	BEAT-PB
F	1	1	1	1	1	Cable Anchor Assembly	E770
G	1	1	1	1	1	Cable Anchor Bearing Plate	E750
H	1	1	1	1	1	End Tube Rail - 8'-0" LG.	B-SS102
J	7	8	9	10	11	Steel Breakaway Post - W6x9 x 6'-0" LG.	PB621
K	5	6	7	8	9	Support Bracket w/Blockout - TS6x6 w/ Bent PL.	B-SS104
L16	1					Second Rail - 16'-2 1/2" LG.	B-SS106-16
L20		1				Second Rail - 20'-2 1/2" LG.	B-SS106-20
L24			1			Second Rail - 24'-2 1/2" LG.	B-SS106-24
L28				1		Second Rail - 28'-2 1/2" LG.	B-SS106-28
L32					1	Second Rail - 32'-2 1/2" LG.	B-SS106-32
M	1	1	1	1	1	Transition Blockout - 5'-6" LG.	B-SS108
N	2	2	2	2	2	Transition Support Bracket - 3/16" Bent PL.	B-SS110
P	2	2	2	2	2	End Tube Splice Channel - 1/4" Bent PL.	BP-SC
Q	2	2	2	2	2	1" Square Washer - 4x4x1/4" PL.	B-SS112
R	1	1	1	1	1	Anchor Rail - 8'-6 13/16" LG.	B-SS114
S	2	2	2	2	2	Splice Plate - 10x10x3/8" PL.	B-SS116
T	1	1	1	1	1	3/8" GALV. Cable - 20'-0"	C3820
U	6	6	6	6	6	Tie Plate - 11 1/2 x 3 1/2 x 3/16" PL.	B-SS120
V	1	1	1	1	1	Spacer (OMIT ON 90° WALL)	B-SS122

**HARDWARE**

a	1	1	1	1	1	1/4" x 3" Hex Bolt Grade 2	B140304
b	1	1	1	1	1	1/4" Hex Nut	N014
c	1	1	1	1	1	1/4" Washer	W014
d	14	15	16	17	18	5/16" x 7 1/2" Hex Bolt Grade 5	B51607504A
e	14	15	16	17	18	5/16" Hex Nut	N0516
f	28	30	32	34	36	5/16" Washer	W0516
g	1	1	1	1	1	1/2" x 2" Hex Bolt Grade 2	B120204
h	1	1	1	1	1	1/2" x 5" Hex Bolt Grade 5	B120504A
i	2	2	2	2	2	1/2" Hex Nut	N012
j	2	2	2	2	2	1/2" Washer	W012
k	7	8	9	10	11	5/8" x 1 1/2" Guardrail Bolt	B580154
m	7	8	9	10	11	5/8" HGR Nut	N050
n	4	4	4	4	4	5/8" x 2" Hex Bolt Grade 5	B580204A
p	1	1	1	1	1	5/8" x 3" Hex Bolt Grade 5	B580304A
q	4	4	4	4	4	5/8" x 6" Hex Bolt Grade 5	B580604A
r	1	1	1	1	1	5/8" x 8" Hex Bolt Grade 5	B580804A
s	4	4	4	4	4	5/8" x 9" Hex Bolt Grade 5	B580904A
t	18	18	18	18	18	5/8" Hex Nut	N055
u	33	34	35	36	37	5/8" Washer	W050
v	2	2	2	2	2	1" x 16" Hex Bolt Grade 5 (Length Varies see Note)	B101604A
w	4	4	4	4	4	1" Hex Nut	N100
x	4	4	4	4	4	1" Washer	W100
y	2	2	2	2	2	Cable Tie	CT100
z	1	1	1	1	1	Object Marker	E3151

Note: Bolt length depends on wall thickness. Anchorage systems that develop the full capacity of the bolt may be used as an alternative to drilling through the concrete section.



**BEAT-SSCC**  
Single Sided Crash Cushion  
Variable Length  
Details

Drawing Name: BEAT SSCC VAR  
Scale: None

Sheet: S2  
Date: 11/27/2007  
By: JRR  
Rev: 0