

NOTES

THE COST OF THE CLASSIC CONCRETE BRIDGE RAIL AND SIDEWALK ON THE APPROACH SLAB SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE BID FOR BRIDGE APPROACH SLABS.

APPROACH SLAB SHALL NOT BE CONSTRUCTED PRIOR TO COMPLETION OF THE BRIDGE DECK.

FOR REINFORCED BRIDGE APPROACH FILL INCLUDING FABRIC, IMPERMEABLE GEOMEMBRANE, 102mm Ø DRAINAGE PIPE, #78M STONE, AND SELECT MATERIAL, SEE ROADWAY PLANS.

TEMPORARY DRAINAGE AND TEMPORARY BERM AND SLOPE DRAINS WILL BE PAID FOR UNDER THE LUMP SUM PRICE FOR BRIDGE APPROACH SLAB.

AREA BETWEEN THE WINGWALL AND APPROACH SLAB SHALL BE GRADED TO DRAIN THE WATER AWAY FROM THE FILL FACE OF THE BRIDGE AND SHALL BE PAVED. SEE ROADWAY PLANS.

THE 150mm COMP. A.B.C. SHALL EXTEND 3m BEYOND THE END OF THE APPROACH SLAB AND 300mm OUTSIDE OF EACH EDGE OF THE SLAB.

THE CONTRACTOR MAY USE 100mm TYPE B-25.0B ASPHALT CONCRETE COURSE IN LIEU OF 150mm COMP. A.B.C. IF THIS OPTION IS USED, THE BASE COURSE SHALL EXTEND 300mm BEYOND THE END OF THE APPROACH SLAB AND THE WIDTH SHALL BE THE SAME AS THAT OF THE APPROACH SLAB.

THE CONTRACTOR MAY USE 125mm CLASS "A" CONCRETE BASE IN LIEU OF 150mm COMP. A.B.C. IF THIS OPTION IS USED, THE CONCRETE BASE SHALL EXTEND 300mm BEYOND THE END OF THE APPROACH SLAB AND THE WIDTH SHALL BE THE SAME AS THAT OF THE APPROACH SLAB. THE CONCRETE SHALL BE FINISHED TO A SMOOTH SURFACE AND A LAYER OF 13.6 kg. ROOFING FELT SHALL BE PLACED BETWEEN THE CONCRETE BASE AND THE APPROACH SLAB TO PREVENT BOND. THE APPROACH SLAB SHALL NOT BE CAST UNTIL THE CONCRETE BASE HAS REACHED AN AGE OF THREE CURING DAYS.

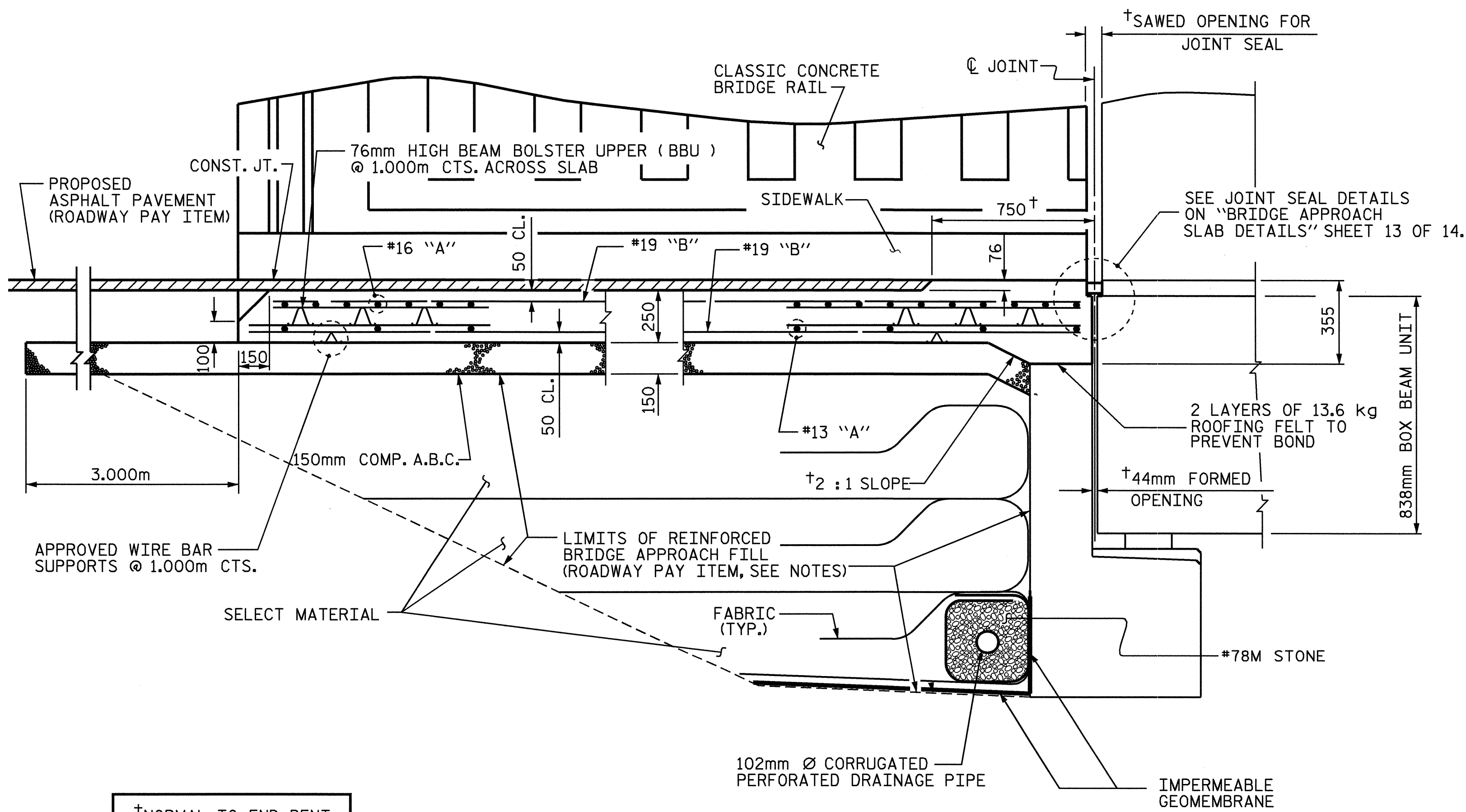
APPROACH SLAB GROOVING IS NOT REQUIRED. TINE CONCRETE ONLY WITHIN THE LIMITS OF THE ASPHALT PAVEMENT AND IN ACCORDANCE WITH ARTICLE 422-3 OF THE STANDARD SPECIFICATIONS.

FOR EVAZOTE JOINT SEALS, SEE SPECIAL PROVISIONS.

THE NOMINAL UNCOMPRESSED SEAL WIDTH OF THE EVAZOTE JOINT SEAL SHALL BE 64mm.

FOR ELASTOMERIC CONCRETE, SEE SPECIAL PROVISIONS.

THE COST OF THE ELASTOMERIC CONCRETE WILL BE INCLUDED IN THE PAY ITEM FOR "EVAZOTE JOINT SEALS."



SECTION THRU SLAB @ END BENT 1

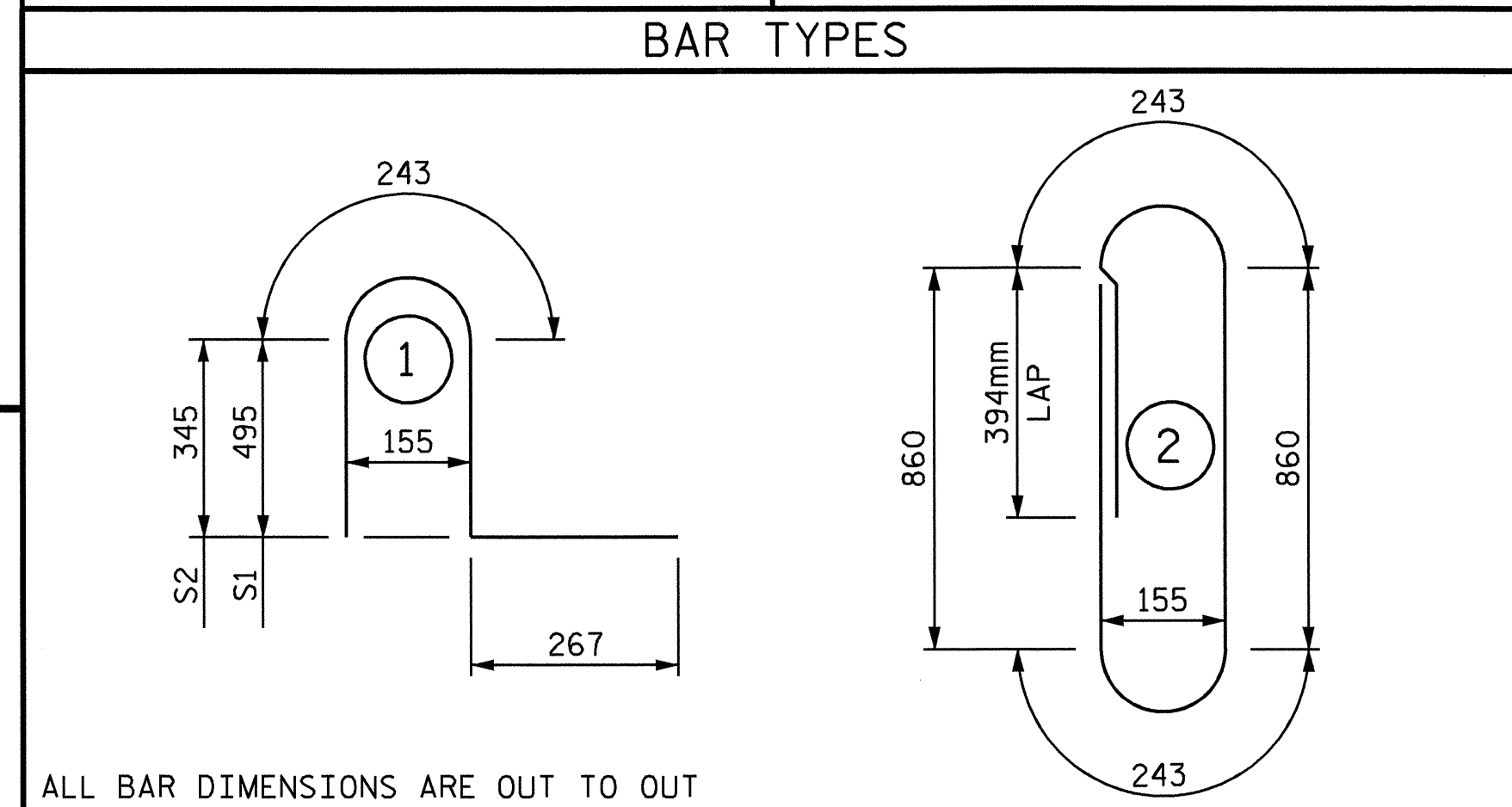
ASSEMBLED BY : T.A. HARRIS DATE : 8/24/04
 CHECKED BY : K.P. SEDA! DATE : 8/30/04
 DRAWN BY : RWW 8/01
 CHECKED BY : LES 8/01
 ADDED 12/01
 REV. 5/7/03 RWW/JTE

BILL OF MATERIAL

CLASSIC CONCRETE RAIL, SIDEWALK, AND FOOTING BETWEEN STRUCTURES						APPROACH SLAB @ END BENT 1				APPROACH SLAB END BENT 2													
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT						
*A5	230	#16	STR	1700	607	*A1	23	#16	STR	9920	354	*A1	19	#16	STR	9920	293						
A6	78	#13	STR	1580	123	A2	18	#13	STR	5100	91	A2	14	#13	STR	5100	71						
*A7	84	#16	STR	1900	248	*A3	23	#16	STR	2640	94	*A3	19	#16	STR	2640	78						
A8	28	#13	STR	1900	53	A4	9	#13	STR	2640	24	A4	7	#13	STR	2640	18						
*B11	16	#19	STR	15520	555	*B1	79	#19	STR	3420	604	*B6	79	#19	STR	2760	487						
B12	16	#19	STR	15520	555	B2	79	#19	STR	3560	629	B7	79	#19	STR	2900	512						
*B13	28	#13	STR	8060	224	*B3	7	#13	STR	3560	25	*B8	7	#13	STR	2900	20						
*B14	3	#19	STR	8080	54	*B4	4	#22	STR	3560	43	*B9	4	#22	STR	2900	35						
*B15	4	#16	STR	8080	50	*B5	6	#16	STR	3560	33	*B10	6	#16	STR	2900	27						
*B16	3	#19	STR	8420	56																		
*B17	4	#16	STR	8420	52	*D1	8	#13	STR	300	2	*D1	8	#13	STR	300	2						
*B18	3	#19	STR	7760	52																		
*B19	4	#16	STR	7760	48	*G1	12	#13	STR	2240	27	*G1	10	#13	STR	2240	22						
*D1	60	#13	STR	300	18	H1	4	#13	STR	2600	10	*S1	15	#16	1	1500	35						
						H2	8	#13	STR	1120	9	*S2	15	#16	1	1200	28						
*G2	116	#13	STR	1440	166							*S3	30	#16	2	2600	121						
*G3	43	#13	STR	1540	66	*S1	17	#16	1	1500	40												
						*S2	17	#16	1	1200	32												
*S1	113	#16	1	1500	263	*S3	34	#16	2	2600	137												
*S3	112	#16	2	2600	452																		
REINFORCING STEEL						kg.	731	REINFORCING STEEL						kg.	601								
*EPOXY COATED REINFORCING STEEL						kg.	2911	*EPOXY COATED REINFORCING STEEL						kg.	1148								
CLASS AA CONCRETE BREAKDOWN						CLASS AA CONCRETE BREAKDOWN						CLASS AA CONCRETE BREAKDOWN											
FOOTING						C. M.	18.1	SLAB						C. M.	11.5	SLAB						C. M.	9.6
SIDEWALK						C. M.	8.5	SIDEWALK						C. M.	1.7	SIDEWALK						C. M.	1.4
RAIL						C. M.	7.3	RAIL						C. M.	2.5	RAIL						C. M.	1.9
RAIL						C. M.	7.3	FOOTING SUPPORT						C. M.	0.5								
CLASS AA CONCRETE						C. M.	33.8	CLASS AA CONCRETE						C. M.	16.2	CLASS AA CONCRETE						C. M.	12.9

SPLICE LENGTH CHART

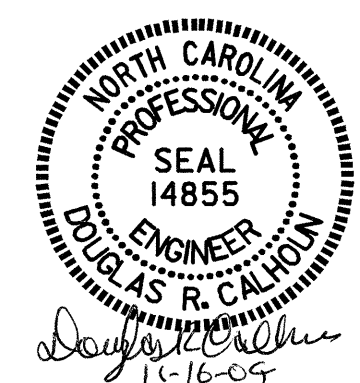
BAR	SIZE	SPLICE LENGTH
A2, A6	13	540
A5	16	770
B11, B12	19	1330
B13	13	840
G2	13	610



PROJECT NO. B-2583
MADISON COUNTY
 STATION: 12+21.750 -L-

SHEET 1 of 14

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 STANDARD
 BRIDGE APPROACH SLAB
 FOR FLEXIBLE PAVEMENT
 WITH CLASSIC CONCRETE
 BRIDGE RAIL



REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S-55	
1			3			TOTAL SHEETS	
2			4			112	

STR #1 STD. NO. BAS5SM