SBN HEADER

POSTION	FIELD	VALUE		TYPE	BYTE_ORDER
Byte0	FileCode		9994	Integer	Big
Byte4	Unknown		-400	Integer	Big
Byte8	Unused		0	Integer	Big
Byte12	Unused		0	Integer	Big
Byte16	Unused		0	Integer	Big
Byte20	Unused		0	Integer	Big
Byte24	FileLength	FileLength		Integer	Big
Byte28	NumRecords	NumRecords		Integer	Big
Byte32	BBox	xmin		Double	Big
Byte40	BBox	ymin		Double	Big
Byte48	BBox	xmax		Double	Big
Byte56	BBox	ymax		Double	Big
Byte64	BBox	zmin		Double	Big
Byte72	BBox	zmax		Double	Big
Byte80	BBox	mmin		Double	Big
Byte88	BBox	mmax		Double	Big
Byte96	Unknown		0	Integer	Big?

SBN RECORDS

Note: the first record is the indvidual spatial bin record header

POSTION	FIELD	VALUE	TYPE	BYTE_ORDER	NUMBER
Byte100	RecNumber	Record_Number	Integer	Big	1
Byte104	RecordLength	Record_Length	Integer	Big	1
Byte108	BinNumber	Bin_Number	Integer	Big	NumRecords
Byte112	ShapeCount	Number_of_Shapes_in_Bin	Integer	Big	1

…

Note: the remaing records (until the next bin header) are the integer bounding boxes of each shape record followed by the corresponding shape record number from the shp/shx file.

POSTION	FIELD	VALUE	TYPE	BYTE_ORDER	NUMBER
Byte0	RecNumber	Record_Number	Integer	Big	1
Byte4	RecordLength	Record_Length	Integer	Big	1
Byte8	XMin	XMin	Unsigned_Char	Big	ShapeCount
Byte9	YMin	YMin	Unsigned_Char	Big	ShapeCount
Byte10	XMax	XMax	Unsigned_Char	Big	ShapeCount
Byte11	YMax	YMax	Unsigned_Char	Big	ShapeCount
Byte12	ShpRecNum	ShpRecNum	Integer	Big	1