PART 1. GENERAL (SECTION 040523 FOR BOMETALS PVC MASONRY CONTROL JOINT)

1.01 SECTION INCLUDES

A. Provision of BoMetals Poly Vinylchoride (PVC) Masonry Control Joint to prevent random cracking caused by movements in adjacent building elements.
B. Placing of BoMetals PVC Masonry Control Joint where cracking is likely to occur because of excessive stress.
C. Placing BoMetals PVC Masonry Control Joint in clay and concrete unit Masonry.

1.02 REFERENCES

A. American Society for Testing and Materials
B. Section 042100 Clay Unit Masonry
C. Section 042200 Concrete Unit Masonry

1.03 QUALITY ASSURANCE

A. PVC Masonry Control Joint manufacture shall demonstrate five years continuous, successful experience in production of PVC Masonry Control Joint.
B. PVC control joint materials should be manufactured from high grade Poly Vinylchloride without contaminates.

1.04 SUBMITTALS

A. Comply with Section 13300 – Submittal Procedures.
B. Submit product data sheet with physical properties.
C. Submit instructions from manufacturer for installation.
D. Submit manufacturer's 12" sample for each PVC Masonry Control Joint Profile.
E. Submit certification from manufacturer that materials comply with specifications.
F. Submit warranty from manufacturer.

1.05 DELIVERY, STORAGE AND HANDLING

A. Store BoMetals PVC Masonry Control Joint in its original package away from moisture.
B. If BoMetals PVC Masonry Control Joint is out of its shipping packages the joint material should be protected from sunlight, dirt, oil and contaminants.

Part 2. PRODUCTS

2.01 MANUFACTURER

A. Provide flexible Poly Vinylchloride (PVC) Masonry Control Joint profile(s) as manufactured by BoMetals, Inc _____ (file in profile(s) required).
B. The PVC Masonry Control Joint shall be extruded from top quality uncontaminated prime Poly Vinylchloride.
C. BoMetals PVC Masonry Control Joint is manufactured in lengths of four feet, however, special lengths are available on request.
D. Performance requirements as follows:

PROPERTIES	TEST METHOD	NOMINAL VALUE
TENSILE STRENGTH	ASTM D 638	2420 PSI
ELONGATION	ASTM D 638	200%
SPECIFIC GRAVITY	ASTM D 792	1.40
SHORE HARDNESS A	ASTM D 2240	85 +/- 5

2.02 LOCATION

A. Control joints are typically located at wall openings.
B. Changes in wall height or thickness.
C. Construction joints in foundations, roofs and floors.
D. Wall intersections.
E. Distance not over ½ the allowable joint spacing from all corners.
F. A determined spacing for the length of the wall.
G. For walls without openings, control joints are used to divide wall into a series of isolated panels.

2.03 CONTROL JOINT SPACING AS FOLLOWS

RECOMMENDED SPACING OF CONTROL JOINTS	VERTICAL SPACING OF JOINT REINFORCEMENT NONE	24"	16"	8"
RATIO OF PANEL LENGTH (L) TO HEIGHT (H) L/H	2	2 ½	3	4
MAX. PANEL HEIGHT	40'	45'	50'	60'

PART 3. EXECUTION

3.01 INSTALLATION

A. No Special installation specifications are required for the products beyond what what would normally appear in a Concrete Unit Masonry Specification.

3.02 PREPARATION

A. Position BoMetals Masonry Control Joint in concrete unit masonry per Specifications.
B. Inspect BoMetals Masonry Control Joint to be sure they are free of dirt and surface contaminants.