It is also important to ensure that selected materials do not contain hazardous components excluded by credit SM-R1. The design team should be aware of these requirements while designing exterior spaces.

The prohibition of hazardous materials should also be written into the project specification documents during the design stage and followed by the contractor during the construction stage.

- Specify that materials, including walls, insulation, and interior materials, will not contain asbestos and that all asbestos containing materials have been removed from refurbished buildings.
- Specify that wood materials exposed to the outside and within human reach — such as shading structures. playgrounds, and decking – will not be treated with chromated copper arsenate (CCA).

Example 3.6a: Extract from specifications

In compliance with the Pearl Building Rating System for Estidama, credit SM-R1 Hazardous Materials Elimination, the following materials shall not be used:

- 1. Asbestos Containing Materials (ACM)
- 2. Chromated copper arsenate (CCA)-treated timber, where timber is used for external structures subject to frequent and intimate contact. These materials include, but are not limited to, shading devices, playground equipment and handrails"

DIVISION 1 - GENERAL REQUIREMENTS (CONT'D.) SECTION 01095 REFERENCE STANDARDS AND DEFINITIONS SUBMITTALS OUALITY CONTROL SERVICES SECTION 01400 (includes Schedule of Required Structural and Special Inspections) SECTION 01500 TEMPORARY FACILITIES SECTION 01000 HEMPORARY PACILITIES SECTION 01600 MATERIALS AND EQUIPMENT SECTION 01700 PROJECT CLOSEOUT DIVISION 2 -- SITE WORK SUBSURFACE INVESTIGATION EROSION AND SEDIMENT CONTROL CLEARING AND GRUBBING SITE DEMOLITION TERMITE CONTROL SECTION 02362 STORM DRAINAGE SYSTEM SECTION 02501 SECTION 02514 DISINFECTION OF WATER DISTRIBUTION SYSTEMS SECTION 02551 EXTERIOR WATER SYSTEM SECTION 02552 SANITARY SEWERS SECTION 02612 SECTION 02621 SITE CONCRETE DIVISION 3 -- CONCRETE SECTION 03300 CAST-IN-PLACE CONCRETE SECTION 04810 UNIT MASONRY ASSEMBLIES DIVISION 5 -- METALS STEEL DECK COLD FORMED METAL FRAMING SECTION 05400 METAL FABRICATIONS SECTION 05810 EXPANSION JOINT COVERS TABLE OF CONTENTS PIEDMONT VIRGINIA COMMUNITY COLLEGE TOC - 2

SECTION 016000

PRODUCT REQUIREMENTS

PART 1 GENERAL

1.1 SUMMARY

1.2 DEFINITIONS

- - 1. Named Products: Items identified by manufacturer's product name realists includes, items feetinged by instrusiculated symposision and controlled in manufacturer's published product literature, that is current as of date of the Contract Documents.

 New Products: Items that have not previously been incorporated into another project or
- receits, accept that products consisting of recycles-content materials are allowed, series, expected by the products consisting of recycles-content materials are allowed, series, expected new products. Considered new products. In the products of the
- B. Substitutions: Changes in products, materials, equipment, and methods of construction from those required by the Contract Documents and proposed by Contractor.
- Basis-of-Design Product Specification: Where a specific manufacturer's product is named and accompanied by the words "Basis of Design," including make or model number or other designation, to establish the significant qualities related to type, function, demestion, in-service performance, physical properties, appearance, and other characteristics for purposes of evaluating companies products of other named manufacturers.

- Coordinate product list with Contractor's Construction Schedule and the Submittals Schedule.
- Schedule.

 Form: Tabulate information for each product under the following column headings:

- 2. Form: Tabulate information for each product under the following column headings:
 a. Specification Section number and feet.
 Beautification of the section of the section

PRODUCT REQUIREMENTS

016000 - 1

- A. Warranties specified in other Sections shall be in addition to, and run concurrent with, other warranties required by the Contract Documents. Manufacturer's disclaimers and limitations on product warranties do not relieve Contractor of obligations under requirements of the Contract.
- Manufacturer's Warranty: Preprinted written warranty published by individual manufacturer for a particular product and specifically endorsed by manufacturer to Owner.
 Special Warranty: Written warranty required by or incorporated into the Contract Documents, either to extend time limit provided by manufacturer's warranty or to provide more rights for Owner.
- 1. Manufacturer's Standard Form: Modified to include Project-specific information and
- properly executed.

 Refer to Divisions 02 through 49 Sections for specific content requirements and particular requirements for submitting special warranties.
- C. Submittal Time: Comply with requirements in Section 017000, EXECUTION AND CLOSEOUT REQUIREMENTS.

- A. The following materials shall not be used in the Work unless it can be demonstrated, to the satisfaction of the Architect, that they are safe during manufacture, installation and use and that their studbility is ensured.
- their substibility is ensured:

 1. Asbestos or abhestos-containing products.

 2. Lead where the metal or its corrosive products may be directly ingested, inhaled or absorbed. Applications of law such as rooding, flashings, rainwater control and copper alloy filtings containing lead which are specifically required are acceptable, until equal or alloy filtings containing lead which are specifically required are acceptable, until equal or allowed to the control of the c

- High alumina cement in structural elements. Naturally occurring aggregates for use in reinforced concrete which do not comply with codes having jurisdiction or ASTM 033 and ASTM 0330, whichwer is structer. Calcium chloride in admistures for use in reinforced concrete. Any wood treated with pertactivicophenol; Polytetatious-otherine (PTE) except when used as non-stick sealing within valves or as an Polytetatious-otherine (PTE) except when used as non-stick sealing within valves or as an
- isolating tape.

 2. Chlorofluorocarbons or any goods and/or materials containing the same

 13. Polychrioritated biphenyls or any goods and/or materials containing the same

 14. Calcium silicate broks or tiles.

 5. Halon gas as a fire control substance.







