

SECTION 16052 - PVC RACEWAYS

1.0 GENERAL

1.1 DRAWINGS AND GENERAL PROVISIONS OF CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION-1 SPECIFICATION SECTIONS, APPLY TO THE WORK OF THIS SECTION

1.2 THIS SECTION IS A DIVISION-16 BASIC MATERIALS AND METHODS SECTION, AND IS PART OF EACH DIVISION-16 SECTION MAKING REFERENCE TO OR REQUIRING PRODUCTS SPECIFIED HEREIN.

1.3 SUBMITTALS: SUBMIT THE PRODUCER'S STANDARD DESCRIPTIVE DATA SHEETS FOR EACH TYPE OF PRODUCT BEING PROVIDED. MARK THE DATA SHEET FOR THE PRODUCT BEING PROVIDED WITH AN IDENTIFYING MARK OR ARROW.

2.0 PRODUCTS

2.1 PVC CONDUIT AND FITTINGS: CONDUIT SHALL BE MADE OF POLYVINYLCHLORIDE, SCHEDULE 40, PIPE, CONFORMING TO ASTM D 1785. FITTINGS SHALL BE SCHEDULE 40, SOCKET TYPE, SOLVENT WELD, COMPLYING WITH ASTM C 2466. JOINTS SHALL BE WATERTIGHT. THREADED TYPE FITTINGS MAY BE USED ONLY FOR SCHEDULE 80 CONDUIT. FITTINGS FOR SCHEDULE 80 CONDUIT SHALL COMPLY WITH ASTM D2464.

2.2 BENDS: BENDS ON CONDUIT RUNS EXCEEDING 50 FEET SHALL BE NON-CORROSIVE METALLIC. BENDS ON SHORT RUNS MAY BE PVC TYPE AND SHALL BE FACTORY OR FIELD FABRICATED USING MANUFACTURER APPROVED HEAT BOXES. FIELD FABRICATED BENDS USING BLOW TORCH ARE NOT ACCEPTABLE. ALL ELBOWS 2-1/2" AND LARGER SHALL BE PVC OR BITUMASTIC COATED RIGID STEEL CONDUIT.

3.0 EXECUTION

3.1 INSTALLATION: INSTALL WHERE SHOWN ON THE DRAWINGS AND IN COMPLIANCE WITH MANUFACTURER'S INSTRUCTIONS. BENDS SHALL BE SMOOTH AND UNIFORM. ALL STUB-UPS, REGARDLESS OF SIZE, SHALL BE PVC OR BITUMASTIC COATED RIGID STEEL BELOW GRADE BEFORE PENETRATING SLAB. ALL SLAB PENETRATIONS SHALL BE BITUMASTIC COATED RIGID STEEL. PLACE AND JOIN CONDUIT, FITTINGS AND APPURTENANCES AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN. PVC SHALL NOT BE INSTALLED EXPOSED ABOVE GRADE IN ANY LOCATION.

3.2 JOINTING: PIPE AND FITTINGS SHALL BE CEMENT WELDED OR THREADED (ONLY FOR SCHEDULE 80 CONDUIT) AND MADE WATERTIGHT. ALL JOINTS SHALL BE CLEANED WITH SOLVENT OR SANDED SMOOTH PRIOR TO APPLICATION OF CEMENT.

3.3 SUPPORTS: SUPPORT CONDUIT IN COMPLIANCE WITH TABLE 347-8 OF THE NATIONAL ELECTRICAL CODE. WHERE CONDUIT RACKS ARE USED, DO NOT BUNDLE OR LAY CONDUIT ON TOP OF EACH OTHER. A MINIMUM 1/8 INCH SPACING SHALL BE MAINTAINED BETWEEN PARALLEL RUNS.

**WEST NAVARRE INTERMEDIATE SCHOOL**  
**5 CLASSROOM ADDITION**

- 3.4 PVC SHALL NOT BE USED IN ANY COMMUNICATIONS, FIRE ALARM, OR LOW VOLTAGE CIRCUITS UNLESS SPECIFICALLY MENTIONED OTHERWISE ON THE DRAWINGS.

END OF SECTION