SECTION 11052
BOOK THEFT DETECTION SYSTEM

PART 1 GENERAL

1.01 SUMMARY

A. Related Sections:

1. 03300 - Concrete.
2. 05500 - Metal Fabrications.
3. 09682 - Carpet.
4. Division 16 - Electrical.

1.02 SUBMITTALS

A. Shop Drawings: Submit shop drawings showing the following information with additional information necessary to show compliance with the requirements of this section.

1. Layout.
2. Details.
3. Dimensions.
4. Assembly.
5. Anchorage of book theft detection system components to adjacent floor and wall surfaces.

1.03 SYSTEM DESCRIPTION

A. System Detection Capability: System shall be capable of detecting sensitized materials that have not been properly checked out.

B. System Alarm Capability: System shall, upon detection of sensitized materials, perform the following functions:

1. Sound an audible alarm.
2. Activate a visual alarm.

3. Lock gates.
PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Book Theft Detection System:

1. Quicksilver - Model MK III by Checkpoint Systems, Inc., Thorofare, NJ.
2. Accepted equivalent.

2.02 EQUIPMENT

A. Provide book theft detection system with the following technical requirements:

1. Use of electronic low energy field between sensing screens to provide for absolute discrimination, with no false alarms for commonly carried objects, such as 3 ring binders, metal rimmed briefcases, wirebound notebooks, and calculators.
2. Sensor: A thin flexible detection device, pressure sensitive.
3. Emergency Operation:
   a. When system is turned off, or when the system experiences power failure, gates shall unlock and remain unlocked until power is restored to the system.
   b. Gates shall allow persons with wheelchairs or crutches to pass freely unassisted and shall allow easy passage of book trucks, rolling stands.
   c. Gates may be broken open in case of emergency without system damage.
4. Prohibited Components:
   a. Devices that could in any way damage or interfere with magnetic media, wristwatches, hearing aids, heart pacers, or similar items.
   b. The operation of the system shall not require the display of warning signs of any kind indicating that the detection system may affect heart pacemakers.

B. System shall include the following components:

1. Sensing Unit:
a. Positioned for aisle exiting as indicated on the drawings.
b. Allow aisle width between sensing screens flexible up to 36 inches per aisle.
c. Sensing Screens: Maximum 18 inches in length and shall have an appearance acceptable to the A/E.

2. Traffic Controllers (Entrance/Exit Gates) with Functions as Follows:
   a. Remain normally closed, but not locked.
   b. When open shall return to their normally closed position.
   c. Exit gate shall lock upon alarming of the system and shall remain locked until unlocked by means of remote switching.

3. Desensitizing Device:
   a. Shall allow properly checked out materials to pass freely in and out without alarming the systems.
   b. The sensitizing and desensitizing of materials shall be capable of being accomplished at a minimum of 2 locations simultaneously and shall accommodate all sizes and types of materials, including magnetic tapes.

4. Necessary posts, railings, base and mounting plates, fasteners, and other miscellaneous hardware required for a completely operational system.

***** ***** **** *** ** * ** *** **** ***** ****
NOTE TO SPECIFIER: See program requirements for detection device quantities.
***** ***** **** *** ** * ** *** **** ***** ****

5. Detection Devices: Small, thin, flexible, and pressure sensitive and shall not discolor nor loose sensitivity over time. Quantity required _____.

PART 3 EXECUTION

3.01 INSPECTION

A. Do not proceed with the work of this section until conditions detrimental to the proper and timely completion
of the work have been corrected in an acceptable manner.

3.02 INSTALLATION

A. Install book theft protection system according to approved shop drawings and manufacturer's recommendations.

3.03 DEMONSTRATION

A. Demonstrate operation of the book theft detection system to the Board and include adequate written and verbal instructions.

END OF SECTION