5 April 1971

25X1C4a

[redacted]

25X1C4a

Re: Samples Submitted for Approval
[redacted]
Mobile Shelving

25X1C4a Dear [redacted]

25X1C4a [redacted] of your office delivered several samples to this office for approval. The samples delivered are as follows:

a. One spring-loaded, key operated over-ride switch.

b. One magnetic-contact safety switch to be operated by a tensioned cable.

c. One magnetic contact safety switch manually operated.

d. One sample section of end panel, with mounted selector switch for directional control, with plastic corner moulding and edge moulding, and with mounted moulded plastic end sections of aisle safety control.

e. One box of floor tile samples for selection of tile color and base moulding.

We have examined the samples and find the improvement in workmanship and quality of materials to be heartening. The items we now have are finished products rather than the original makeshift experiments. Our questions and comments on the items submitted are listed below:

25X1C4a

Re: Samples Submitted - [redacted] 5 April 1971

a. The spring-loaded override switch will be placed within 1/4 inch of the steel shelving end panel and it is felt that some sort of insulation is needed to prevent short circuiting from the back of the switch to the metal cabinet. Perhaps a moulded plastic cover could be installed over the switchbody, with drilled holes for insertion of control wiring. All switchkeys should be alike rather than all different and with one set of master keys.

b. The hinged magnetic safety device on the chassis (secondary safety device) appears to be a great improvement over the model appearing on the mockup. Our questions on this concern the method of applying correct tension to the cable. If possible would like a complete switch mounted on a 6'-0" long wooden frame with at least one of the mid-span supports. The users are still in doubt as to the capability of adjusting all cables to same tension. They would like to see a unit set up under operational tension and a short model would be sufficient to demonstrate this.

Another question is in regard to the metal housing over the switch. This housing will apparently protrude into the aisle space and will be subject to damage by moving ladders. Also this additional projection may prevent the sections from closing tightly together, thus reducing aisle space.

The cable attachment as shown on the drawings indicates a loop in the cable and a tiller rope clamp. This appears to be a possible future problem in maintaining tension in the cable. We suggest the turnbuckle end loop be of sufficient width to allow drilling and insertion of the dable and use of a Stimpson A1692 eyelet soldered to end of cable. Any take up then made in the turnbuckle would provide positive pressure changes.

The above comments are not meant as rejection of submittals but rather as suggestions for possible improvements. We may be able to eliminate some future problems by making minor changes in the design prior to installation.

Sincerely yours,

[redacted]

25X1A9a