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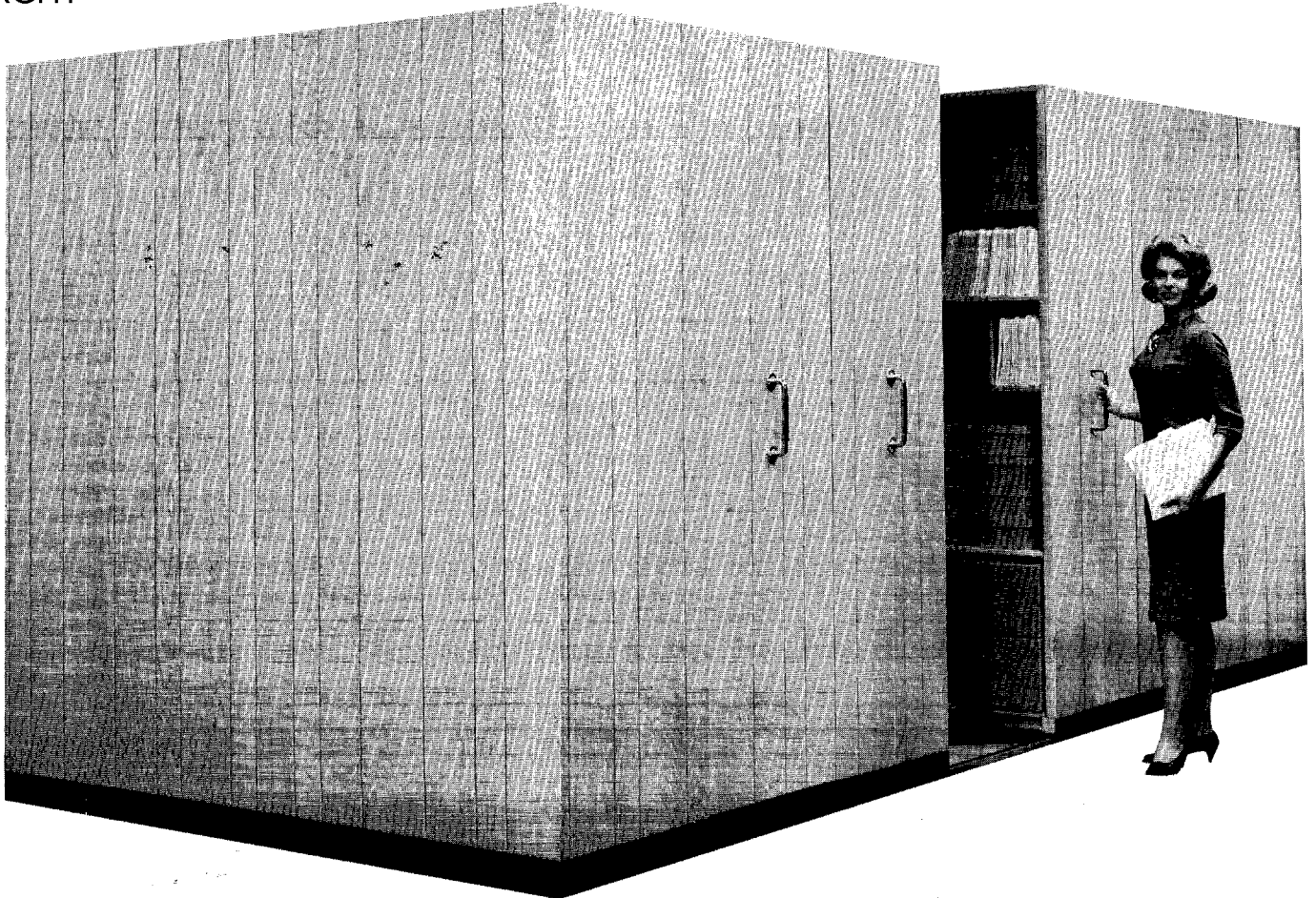
FULLSPACE

Lundia[®]
 PREFABRICATED
 ADJUSTABLE
 WOOD SHELVING

LUNDIRA, MYERS INDUSTRIES, INC.
 Jan. 1969

10 SHELVING
 storage

NEW SPACE SAVING STORAGE SYSTEM

CPYRGHT



EXTRA Shelf Storage and/or Floor Space

Lundia FULLSPACE

Saves Space

FULLSPACE can save up to half the amount of any area of costly floor space set aside for storage shelving. Floor space saved can be converted into offices or work areas . . . or, with FULLSPACE installed, be used to double the amount of storage shelving.

Lundia FULLSPACE

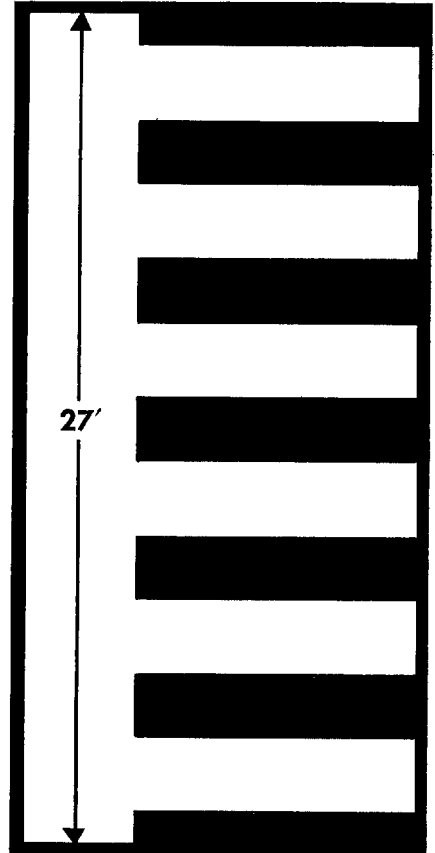
Costs Less

Economical FULLSPACE is a patented arrangement of carriage-mounted prefabricated wood storage shelving. Because of its simple construction, space-saving features and fully adjustable shelves, FULLSPACE costs less to buy . . . less to maintain.

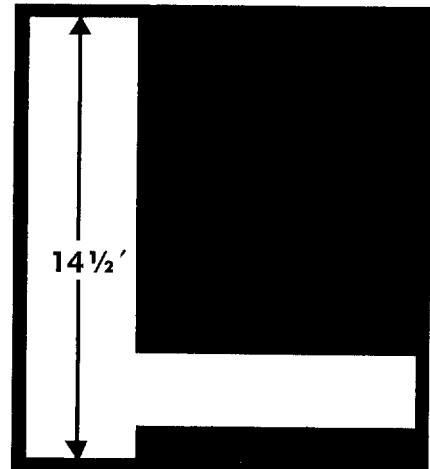
Lundia FULLSPACE

Easy to Operate

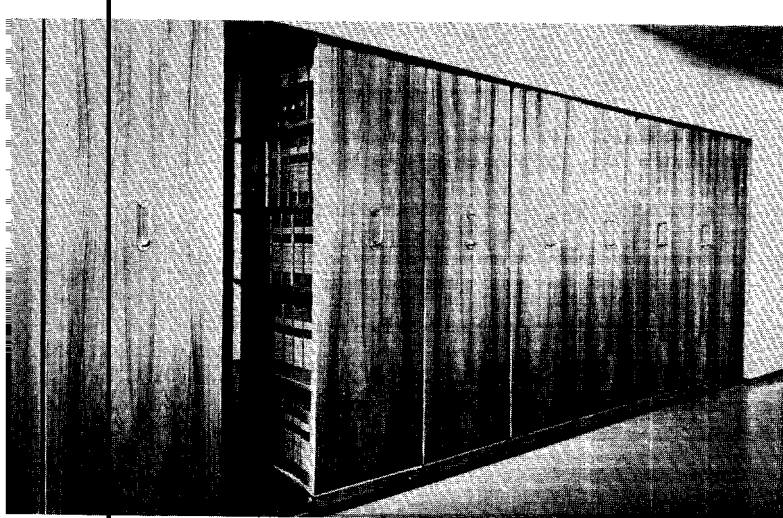
Mounted on carriages fitted with rail-riding roller bearings, fully loaded FULLSPACE units are easily moved, forward or backward. Three models to choose from — by hand, by lever, by electric push button.



Typical floor plan showing open storage shelving occupying large area. Note amount of space required for aisles between bays of open shelving.



Here's a FULLSPACE installation using the same amount of shelving as illustrated above. Note how little floor space is used. One aisle does the job of six!



Attractive and practical FULLSPACE installations in offices such as this save space and money spent for costly floor areas. Easy to install and simple to operate, FULLSPACE increases storage facilities without increasing costs.

FULLSPACE



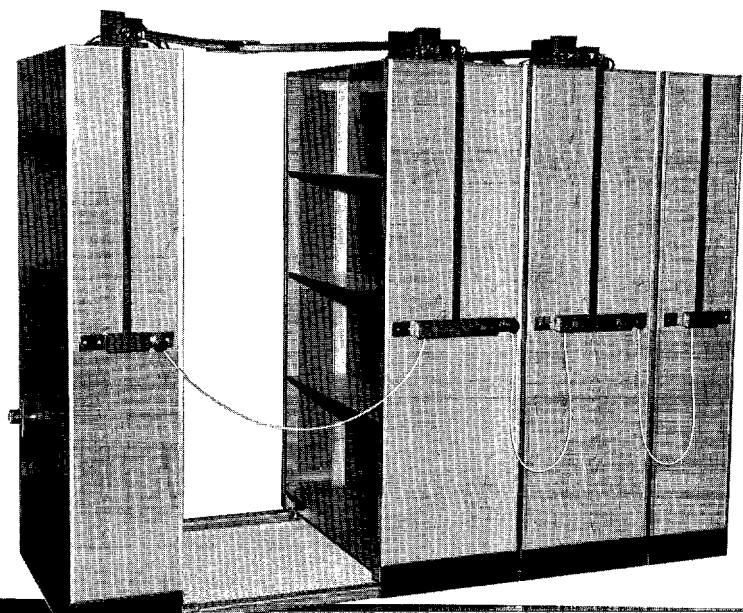
POWER ↔ GLIDE

MOTORIZED MOVABLE SHELVING

(2)

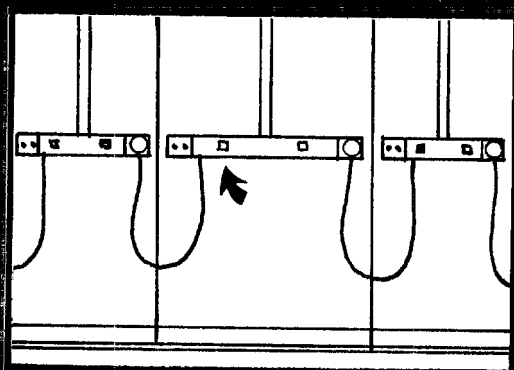
TOUCH AND GO!

Touch Button lightly with your finger and Fullspace with Power-Glide opens itself for you automatically wherever you wish . . . with loads up to 23 tons!

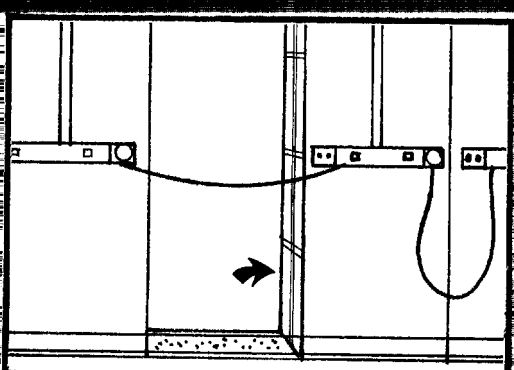


THIS IS HOW IT WORKS!

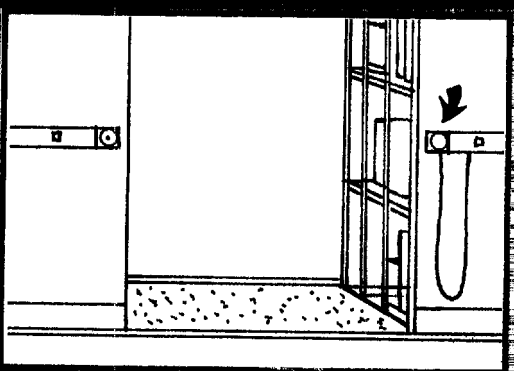
CPY



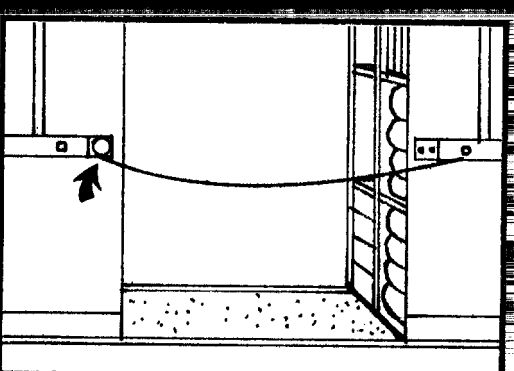
1. Push Button in front of the aisle you wish to enter.



2. In less than 10 seconds the aisle will be available as the carriage glides smoothly to one side or the other without disturbing shelf contents.

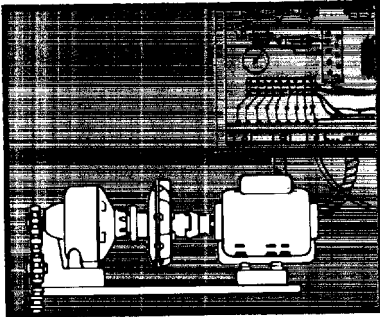


3. When the aisle is open remove the safety cord—walk in! You have positively disconnected the motor to prevent its operating as long as you are in the aisle.

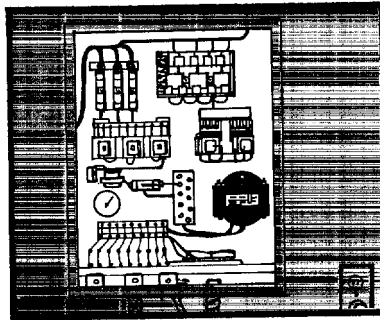


4. When you are ready—walk out! Replace the safety device easily and simply with the aid of the magnetic couplings. Fullspace is now ready to move again.

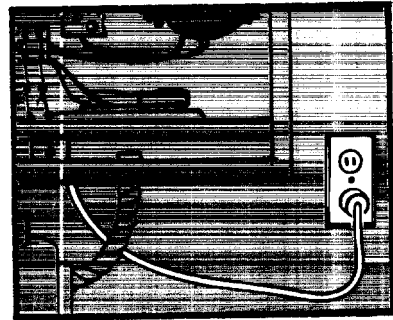
FULLSPACE MOTORIZED SYSTEM COMPONENTS



MOTOR DRIVE UNIT is located in one of the stationary end units—the tension device for anchoring the continuous chain in the other end unit. An electric motor drives the movable units via a sliding connection and a tooth gear engaged to the endless chain located alongside one of the carrying rails.

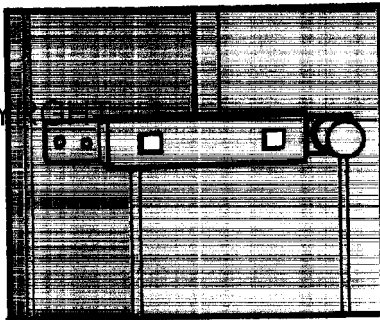


CONTROL PANEL accurately directs movement of the shelves. When a Push Button is pressed, the control panel programs the other shelves to move right or left automatically, depending on the location of the aisle being opened. Converts 110V AC to low voltage 24V DC to all controls and safety devices.

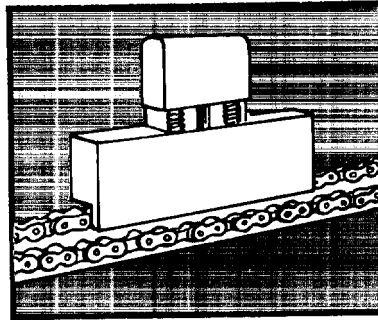


THE ELECTRICAL CONNECTION is very simple. You can plug the contact into a standard 110V electric wall outlet. Economical to operate — as the motor only runs when shelves are moving. 550 watts to each operation.

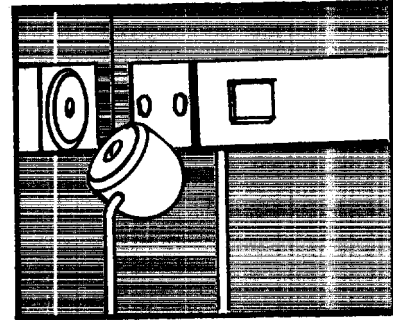
CPY



CONTROL BUTTON. The Fullspace carriage starts moving when the button is pressed, and movement stops automatically when the aisle is opened—or when button is released. Only that aisle directly in front of the operator opens when the button is pressed.



HOOKING DEVICE. When the control button is pressed, the carriage in front of the operator is hooked to the drive chain. This automatically moves this carriage, plus all other adjacent carriages in the line of movement. When the carriages move the amount and direction required, they stop, and the chain reverses itself slightly, releasing the hooking device.



SAFETY CORD. Between every closed unit and across the open aisle hangs a cord—the safety device—which has a magnet on one connection. When the safety device is attached to all units, they complete the low voltage electrical circuit that powers Fullspace. When any one safety device is detached, the circuit is broken and Fullspace cannot be moved until the circuit is closed again by attaching the magnet end to its proper connection.



For further information, call or write your nearest Lundia Representative.

LUNDIA MYERS INDUSTRIES, INC.

P. O. Box 309
Decatur, Illinois 62525

217/423-3451

EXHIBIT I

(3)

CPYRGHT



Anderson Hospital
Houston, Texas



MEDICAL RECORDS-X-RAY FILES

Vertical files offer modern,
compact and convenient storage. Motorized
Fullspace provides instant
access to files.

Form 5210 C



Copyright

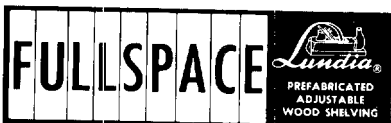


After

Howard Savings & Loan
Newark, N. J.

SPACE GAINER

Provides a highly organized files and record system utilizing less space.



LUNDIA, MYERS INDUSTRIES, INC.
224 W. Cerro Gordo St. Decatur, Illinois 62525

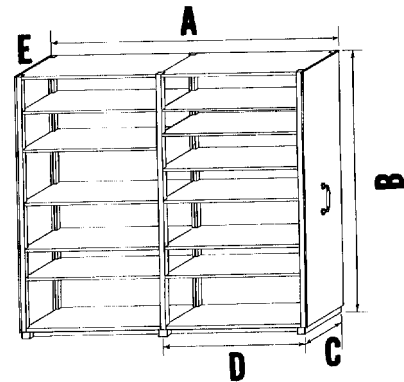
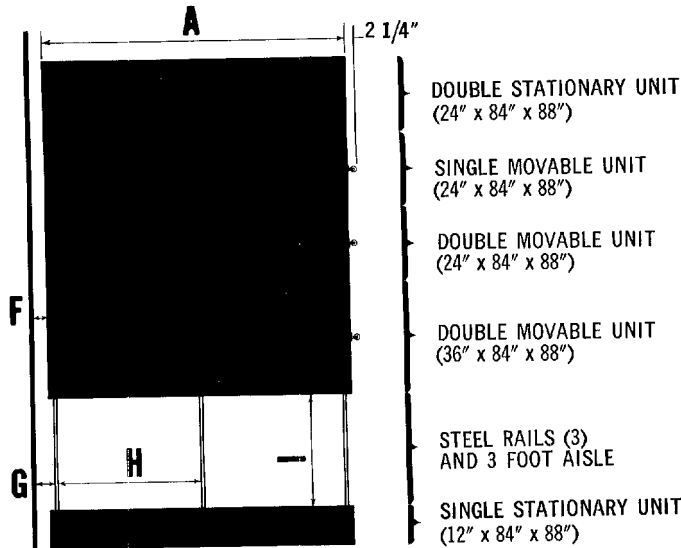
FULLSPACE



Specifications

(5)

Lundia FULLSPACE combines the Lundia System of Prefabricated Adjustable Wood Shelving with carriages mounted on free-rolling ball-bearings, one set of guide bearings per movable unit, rolling on steel rails mounted on floor or platform.



Copyright

Dimensions indicate shelf backs

PLAN VIEW OF SINGLE BAY

FRONT VIEW OF MOBILE UNIT

MOBILE UNITS & STATIONARY END UNITS

		"A"	"B"	"D"	"F"	"G"	"H"	"I"
1	Optional	38 $\frac{7}{8}$ "	88"	36"	2"	3 $\frac{1}{8}$ "	36" O.C.	Optional
1	Optional	44 $\frac{7}{8}$ "	Maximum	42"	Clear	From any	42" O.C.	Optional
1	Optional	50 $\frac{7}{8}$ "	from	48"	at	wall or	48" O.C.	Optional
2	Optional	74 $\frac{1}{16}$ "	Floor	36"	Back of	object at	36" O.C.	Optional
2	Optional	86 $\frac{1}{16}$ "		42"	Movable	back of	42" O.C.	Optional
2	Optional	98 $\frac{1}{16}$ "	Shelves	48"	Unit	Movable	48" O.C.	Optional
3	Optional	110 $\frac{1}{16}$ "	84" Usable	36"		Unit	36" O.C.	Optional

"E"	"C"	
18" Singles	18 $\frac{1}{2}$ "	MAXIMUM LOAD LIMIT IS 3600 LBS. PER MOVABLE UNIT, REGARDLESS OF SIZE
9" Back to Back	18 $\frac{1}{2}$ "	
24" Singles	24 $\frac{1}{2}$ "	MAXIMUM RAIL LENGTH 20 FT.
12" Back to Back	24 $\frac{1}{2}$ "	
15" Back to Back only	30 $\frac{1}{2}$ "	
18" Back to Back only	36 $\frac{1}{2}$ "	

ACCESSORIES AVAILABLE FROM STOCK

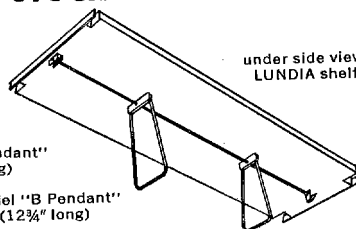
VERTICAL SHELF FILING— COMPRESSION DIVIDERS

Set consists of two pendants,
1 rod, and 1 pair of brackets
—finish nickel

$\frac{1}{4}$ " Diameter Rods to fit
36", 42" or 48" shelf,
as specified.

Model "A Pendant"
(9 $\frac{3}{4}$ " long)

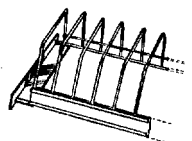
Model "B Pendant"
(12 $\frac{3}{4}$ " long)



COMPUTER TAPE REEL RACKS

FOR 12"
STORAGE SHELVING
FINISH—NICKEL

36"—Capacity 20 reels
42"—Capacity 23 reels
48"—Capacity 26 reels
with 1" card channel

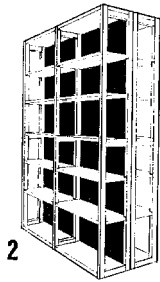
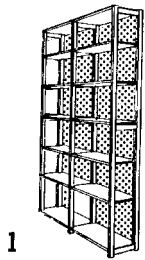
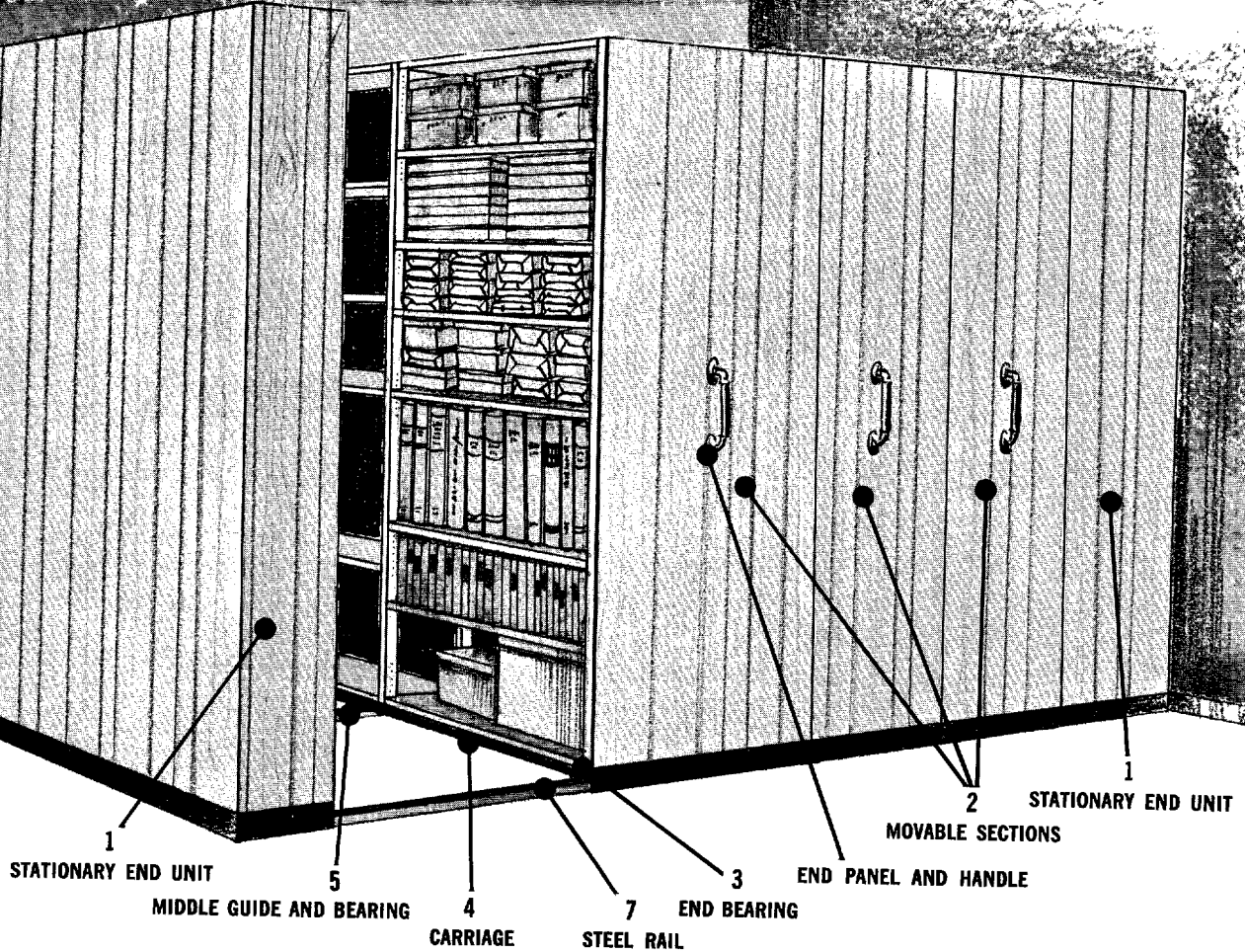


TRIANGLE SLIP-ON DIVIDER

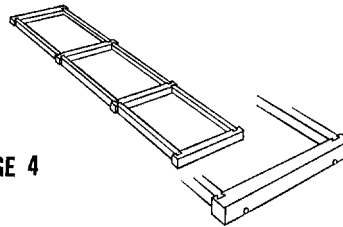


FULLSPACE is manufactured by: **LUNDIA, MYERS INDUSTRIES, Inc.**

CPYRGHT

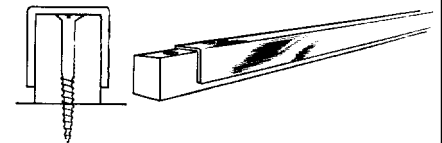


CARRIAGE 4



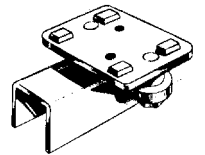
Standard Lundia storage shelving rides on hardwood carriages. Each carriage is fitted with precision steel roller bearings (3) (5) which ride steel rails.

STEEL RAIL C&7



A wood leveler strip is attached to floor with suitable anchors. Steel rails fit over leveler strip. Rails are 1 5/16" x 1 7/8" x length required not to exceed 20 ft.

MIDDLE GUIDE AND BEARING B&5



A middle guide with roller bearings provides directional stability when movable sections are in operation.

STATIONARY END UNIT 1

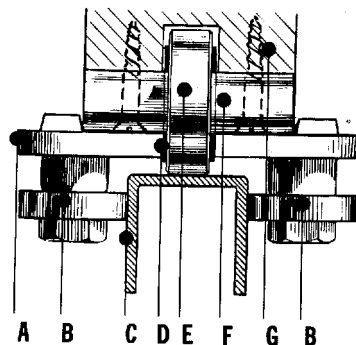
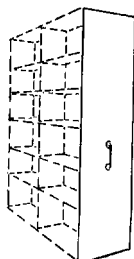
Consists of a standard unit of Lundia storage shelving,* hardboard or Marlite backs and shelves adjustable on 1" centers, base block and kickboard.

MOVABLE SECTIONS 2

Consist of standard units of Lundia storage shelving, a hardboard back and shelves adjustable on 1" centers mounted on carriage. (See 4)

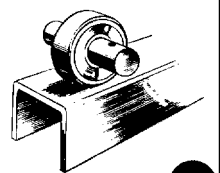
END PANEL & HANDLE 6

Marlite end panels (optional) on stationary and movable sections. Handle on movable sections only. Sections move right or left to open aisle.



- A Casting
- B Roller Bearing Guide
- C Steel Rail
- D Wood Leveler
- E Middle Roller Bearing
- F Steel Axle
- G Carriage

BEARINGS 3&5

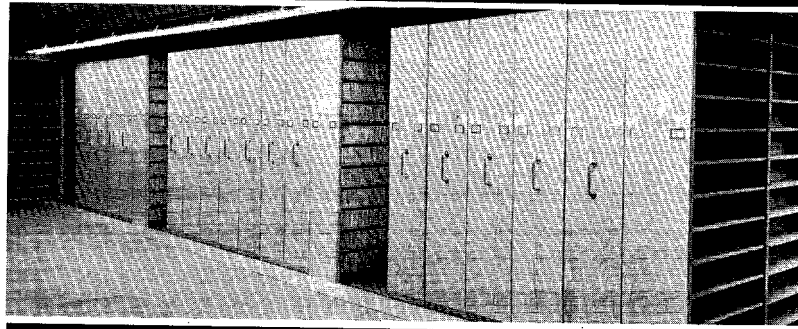


Precision sealed steel middle bearing 1 3/4" x 1/2" w/steel axle conforms to specs for Schatz. End roller bearings conform to specs for Schatz

*U. S. Pat. No. 2577138

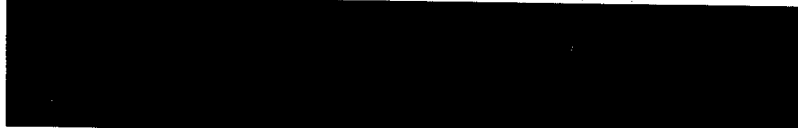
Insurance Company

FULLSPACE can be installed anywhere. Most insurance companies, savings and loan institutions and banks find FULLSPACE to be the best answer to their growing need for more open storage shelving without increasing costs for additional storage areas.



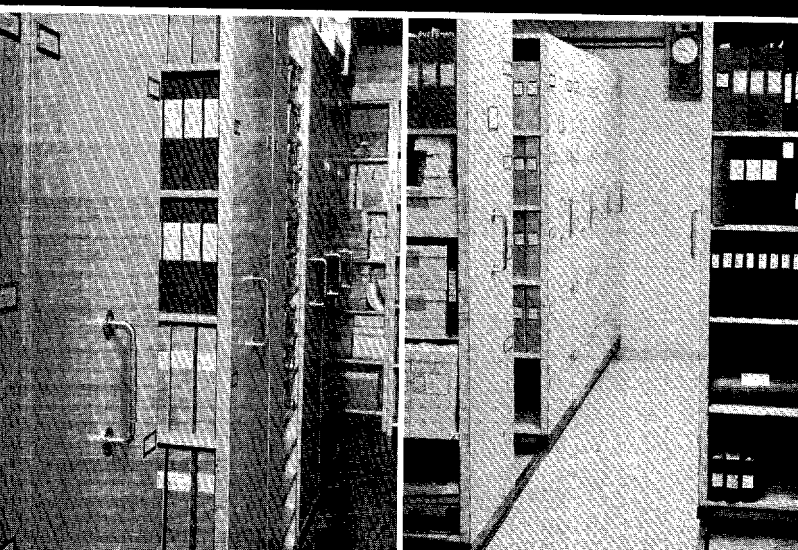
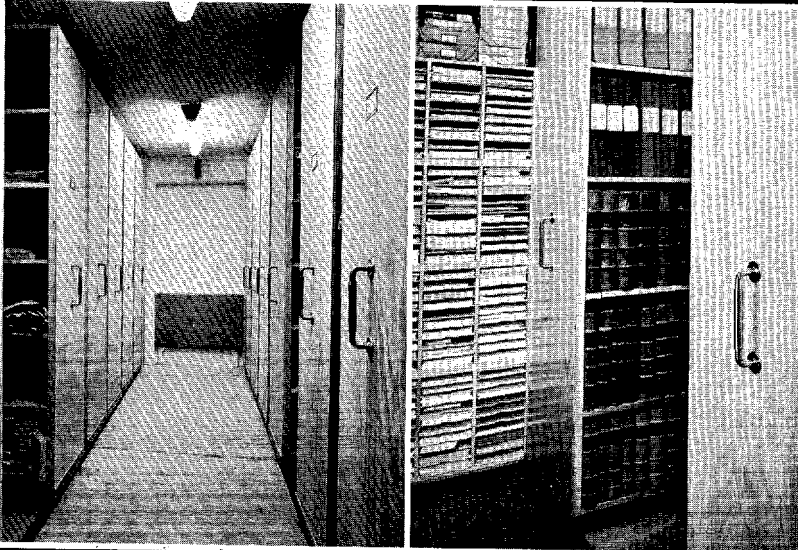
Business Office

Every business office, regardless of size, usually requires some storage shelving. FULLSPACE is the perfect answer to the need for a reduction in the amount of floor space used or reserved for storage shelving. Space saved, by using FULLSPACE, is then available for additional offices or work areas. In new planning or construction, FULLSPACE reduces the amount of storage space required.



Hospitals and Institutions

Hospitals, schools, businesses, institutions and agencies concerned with inactive storage facilities find FULLSPACE to be the answer when additional storage shelving is needed, but the space available is limited. The replacement of existing shelving with FULLSPACE often doubles the amount of useable storage shelving without requiring new construction or expansion of floor areas.



Every FULLSPACE installation is engineered to meet particular requirements. Simple in design but rugged in construction, FULLSPACE is a fully prefabricated and movable system of open storage shelving that has been tested and proved in use. FULLSPACE can be installed anywhere . . . in office or factories . . . where space for storage shelving is limited or where expansion of storage facilities is required without the acquisition of additional floor space.

One
Aisle
Does
the
Job
of
SIX!



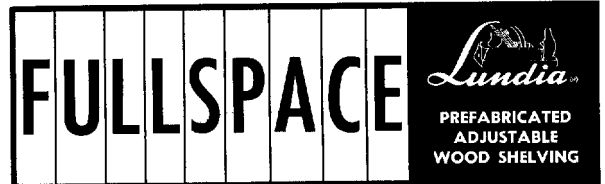
CPYRGHT

 **FULLSPACE**

FULLSPACE was developed to meet the specific need of all businesses and institutions requiring a practical, economical, adjustable and serviceable arrangement of open storage shelving that would occupy a minimum amount of floor space.

For our customers, and those considering the use of FULLSPACE or LUNDIA prefabricated wood shelving, we offer complete planning and layout service without charge or obligation. Our factory and field representatives are always available to discuss your shelving requirements. Just call or write.

FULLSPACE is the most recent development of LUNDIA, MYERS INDUSTRIES, INC., manufacturers of LUNDIA prefabricated wood storage shelving. Incorporating all of the outstanding features found in LUNDIA storage shelving, FULLSPACE offers the user easy-to-adjust shelves, economy of erection and the minimum of maintenance. Users of LUNDIA prefabricated wood shelving include most of the major chain stores in the United States, department stores, drug stores, schools, libraries, hospitals, government offices and businesses in thousands of communities.



 **FULLSPACE** is manufactured by:

LUNDIA, MYERS INDUSTRIES, INC.

P. O. BOX 309 • DECATUR, ILLINOIS 62525

Area Code 217, Dial 423-3451

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LIST OF MOTORIZED FULLSPACE CUSTOMERS

1. Hoag Memorial Hospital - Newport Beach, California
2. M. D. Anderson Hospital - Houston, Texas
3. Rocky Mountain Motor Tariff - Denver, Colorado
4. Champion Paper Company - Hamilton, Ohio
5. East Meadow Public Library - East Meadow, L. I.
6. Navy Yard - Washington, D. C.
7. El Camino Hospital - Mt. View, California
8. Fort Hamilton Hospital - Hamilton, Ohio
9. St. Mary's Hospital - Saginaw, Michigan
10. Mercy Hospital - Springfield, Ohio
11. Amoco Chemical Company - Napier, Illinois
12. Union Hospital - Terra Haute, Indiana

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TECHNICAL INFORMATION

STILES - Shall be made of 1-5/16" x 1-3/4" clear fir or equal with 1/4" x 1/2" plow entire height of each stile. Holes, 17/64" in diameter and 1" or 2" on center, shall be drilled perpendicular to plow, and across grain the entire height of each stile. Plows in stiles shall accept steel angle at ends of shelves. Holes in stiles shall accommodate 7/32" steel shelf support pins. Shelf support pins shall have one flattened right angle to facilitate removal and insertion by hand. Cross rails shall be 1-5/16" x 1-3/4" clear fir or equal with rectangular tenons at each end and accommodate depth of shelving ordered. Cross rails shall be glued and secured in mortised plows of two stiles with at least three recessed sash pins at each tenon. Three cross rails, a top, bottom, and center, of a pair of stiles shall be considered minimum to form finished uprights. Wood for uprights of stiles extend unjoined to full height, is select (Grade "C" or better) West Coast Douglas Fir and kiln dried with seven to ten percent moisture content.

SHELVES - Shall be made of edge-glued (with urea resin glue), standard (Grade "C" or better) West Coast Douglas Fir, Kiln dried with seven to ten percent moisture content, 3/4" thickness, unless otherwise specified, and in widths and depths specified. Each shelf corner shall have a 1/2" x 1-3/4" notch to accommodate stiles of uprights. Each shelf shall be dadoed to accept hot rolled steel angles which shall be secured in each shelf with at least three recessed spot pins. Each shelf has a rated capacity of 500 pounds, equally distributed.

CARRIAGES - Main structural members of carriages shall be constructed of laminated (two to four pieces) of beech or birch wood, glued with electronic press process using urea resin glue. Cross ties, 3/4" x 1-13/16", shall be dove-tailed to main structural members, 2" x 2 1/2". Sealed precision bearings AK KG number 11.294/0, 17 MM bore, 62 MM outer diameter, 14 MM width - outer ring, double sealed and mounted on the main structural members of the carriage. Each carriage will contain a minimum of four (4) end bearings and two (2) middle guide bearings.

BACKS AND ENDS - Of 1/2" or 3/16" hardboard or equal.

STEEL RAILS - Upon which the carriages with units of prefabricated wood storage shelving ride shall be 1-3/8" high by 1-5/16" wide and furnished in the length and quantity required. Thickness of rail is eleven (11) gauge number 1020 to 1025 carbon steel. Shall be Number 2 temper with 0.25 thick steel buffer strip over filler rails.

All wood materials shall be dust sealed.

In addition to complete assembly of cabinets and paneling when units are installed, the rails must be assembled and placed on the floor so as to be absolutely level, both horizontally and vertically. Leveling must be performed by some extremely accurate method, such as a transit.

CPYRGHT

TECHNICAL INFORMATION, Cont;

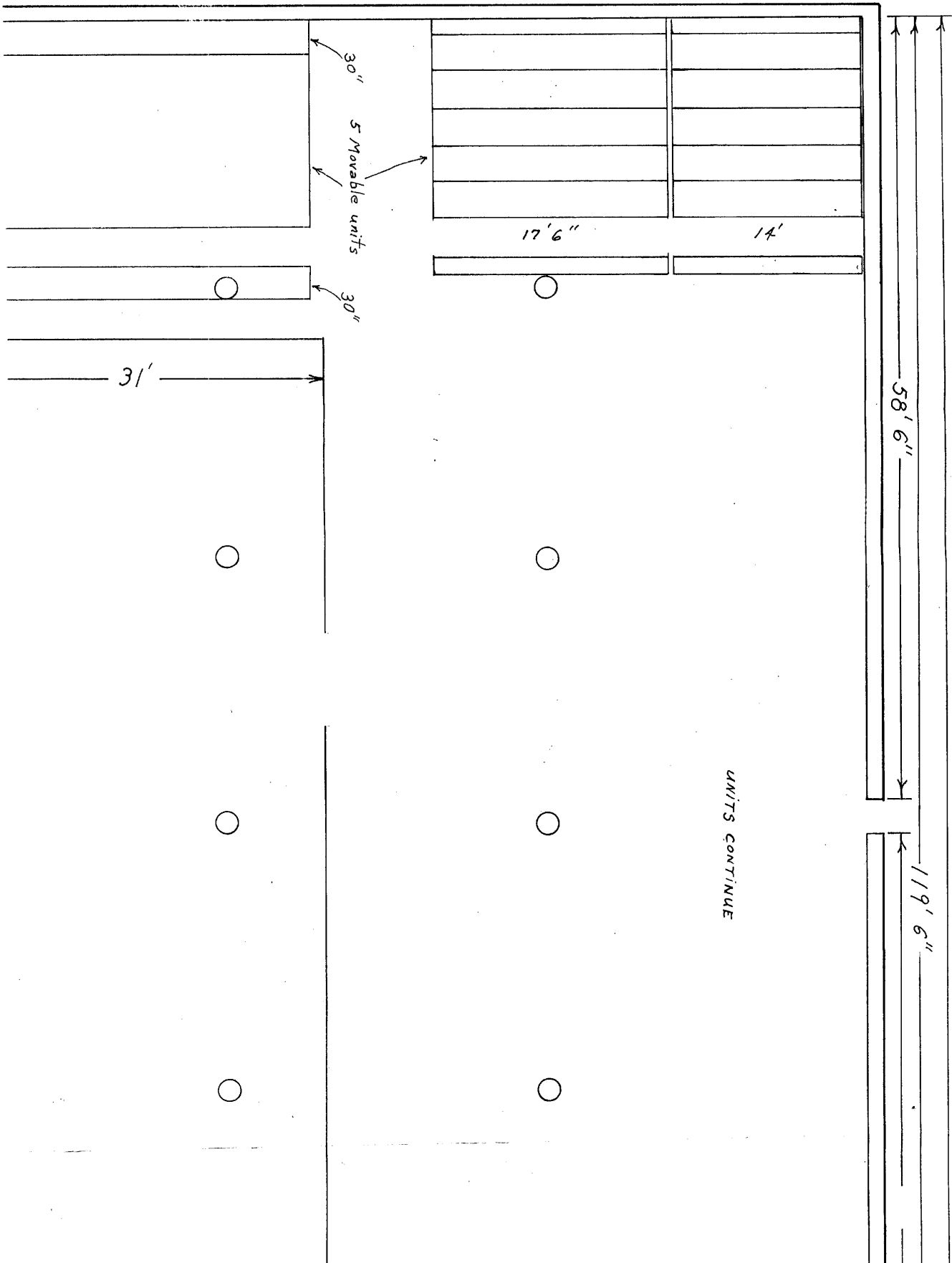
POWERGLIDE UNIT - The unit shall be powered by a $\frac{1}{2}$ H.P. electric motor operating on 110 V single phase current. The motor shall drive a planetary gear reducer with a reduction ratio between 50 to 1 and 60 to 1. The two shall be connected by a fluid coupling having a maximum torque rating of 5 foot pounds 900 RPM. The drive unit shall be located in the left stationary unit, as viewed from the front, and a chain tightening device in the right stationary unit. A continuous 40 pitch chain shall pass through "hook units" located on each movable carriage. These hook units shall engage the chain, regardless of the direction of chain travel, upon impulse from a 24 V.D.C. Solenoid mounted within and remain engaged until the direction of the chain has been reversed. The chain shall be in motion only when a carriage is being moved. One push button switch shall activate the motor in the appropriate direction - CW or CCW - and engage the hook unit. A safety device shall activate a relay in the motor circuit to prevent the unit from operating should this device be in effect. The safety device shall be a 24 volt D. C. Circuit with switches wired in series. Push button switches for each possible aisle.

These switches shall be so constructed that a person must open the switch before entering the aisle. The driving mechanism shall not exert more than 1,500 pounds of force.

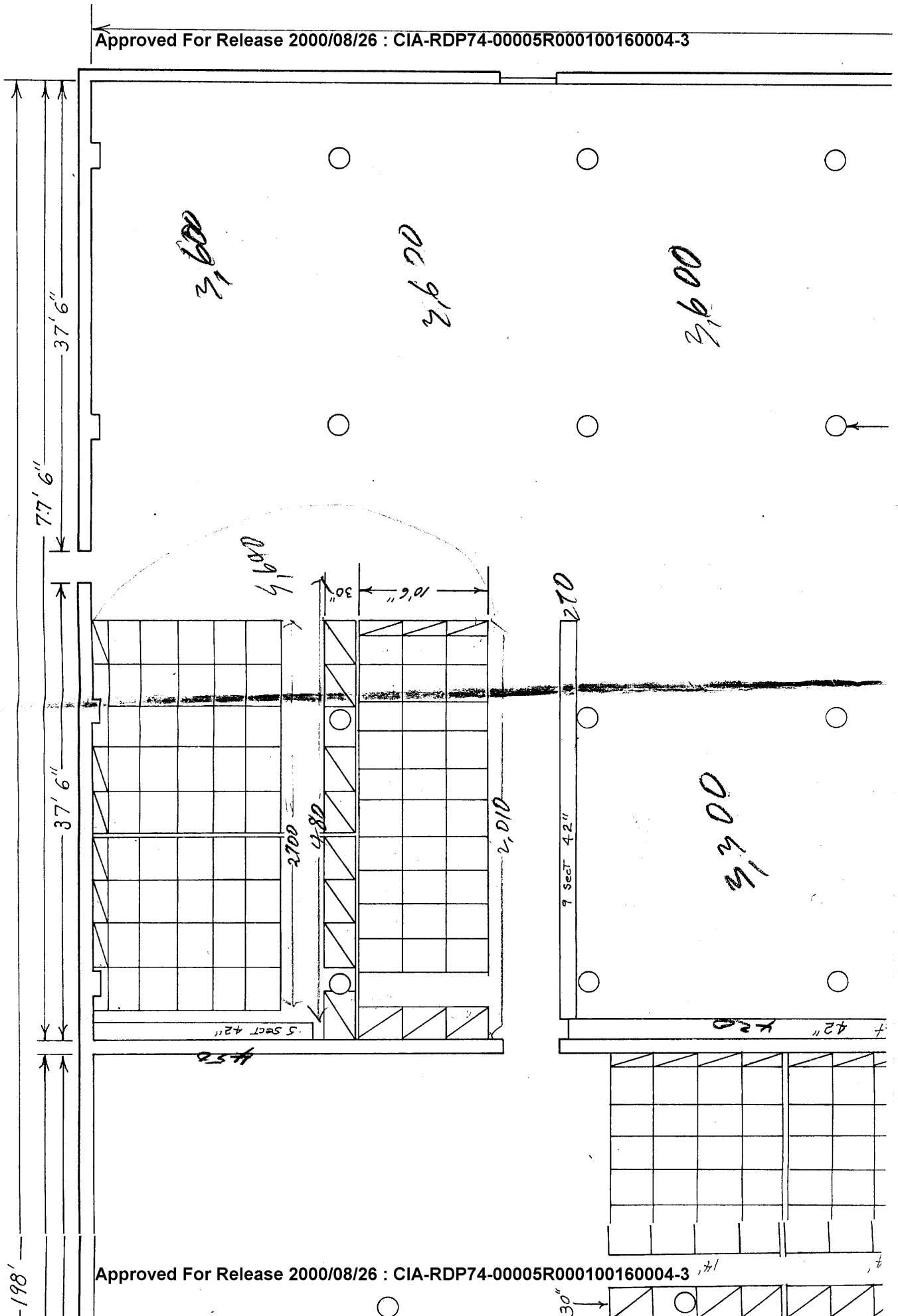
CPYRGHT

FEATURES

- (a) Wood absorbs noise, provides quiet work area to improve working conditions.
- (b) Quick access to records - any aisle available in approximately eight seconds.
- (c) All shelves adjustable on one inch centers - provides maximum utilization of space in each movable.
- (d) Lunda wood shelving, in fact, helps control humidity. Wood absorbs excess atmospheric moisture and gives off moisture when the humidity of the atmosphere is below normal.



about 55,000



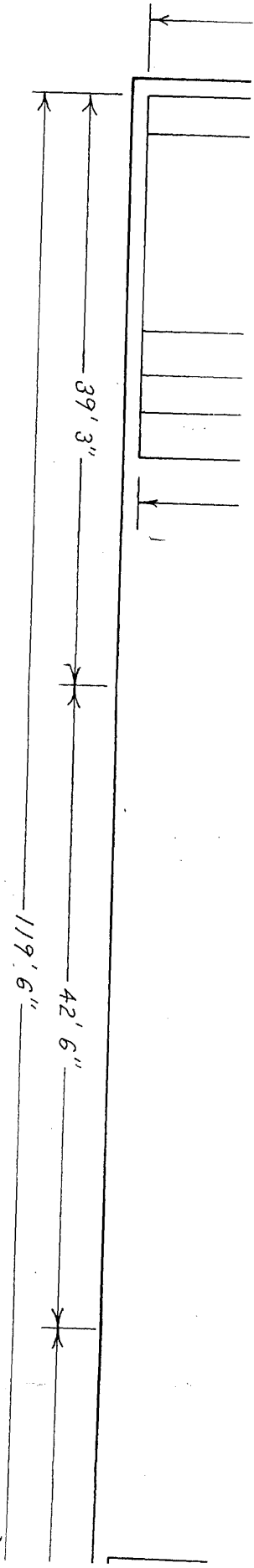
-198'

First Floor Plan
STATINTL



Scale 8" = 1'

EXHIBIT VI



140' 6"

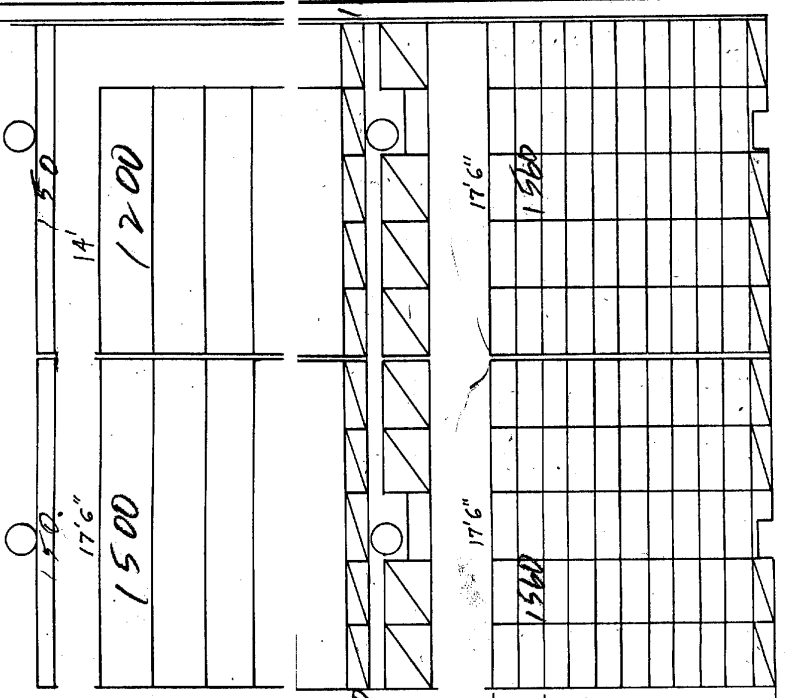
3,600

3,600

22" PILLAR

218"

UNITS CONTINUE

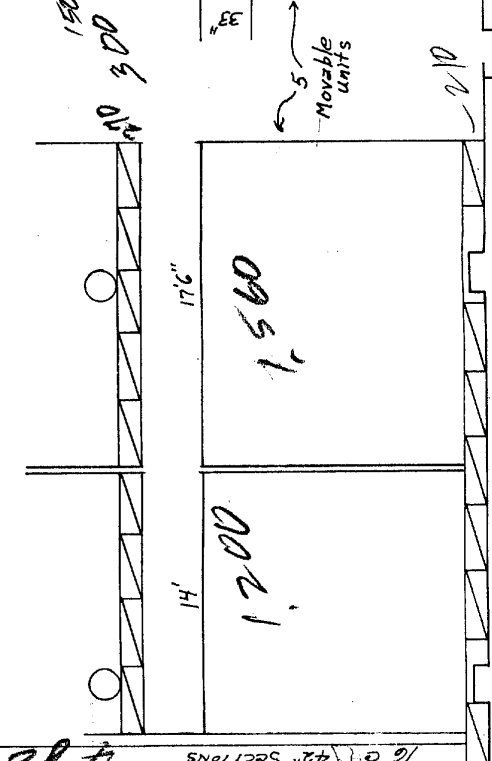


3,300

3,300

3,300

UNITS CONTINUE

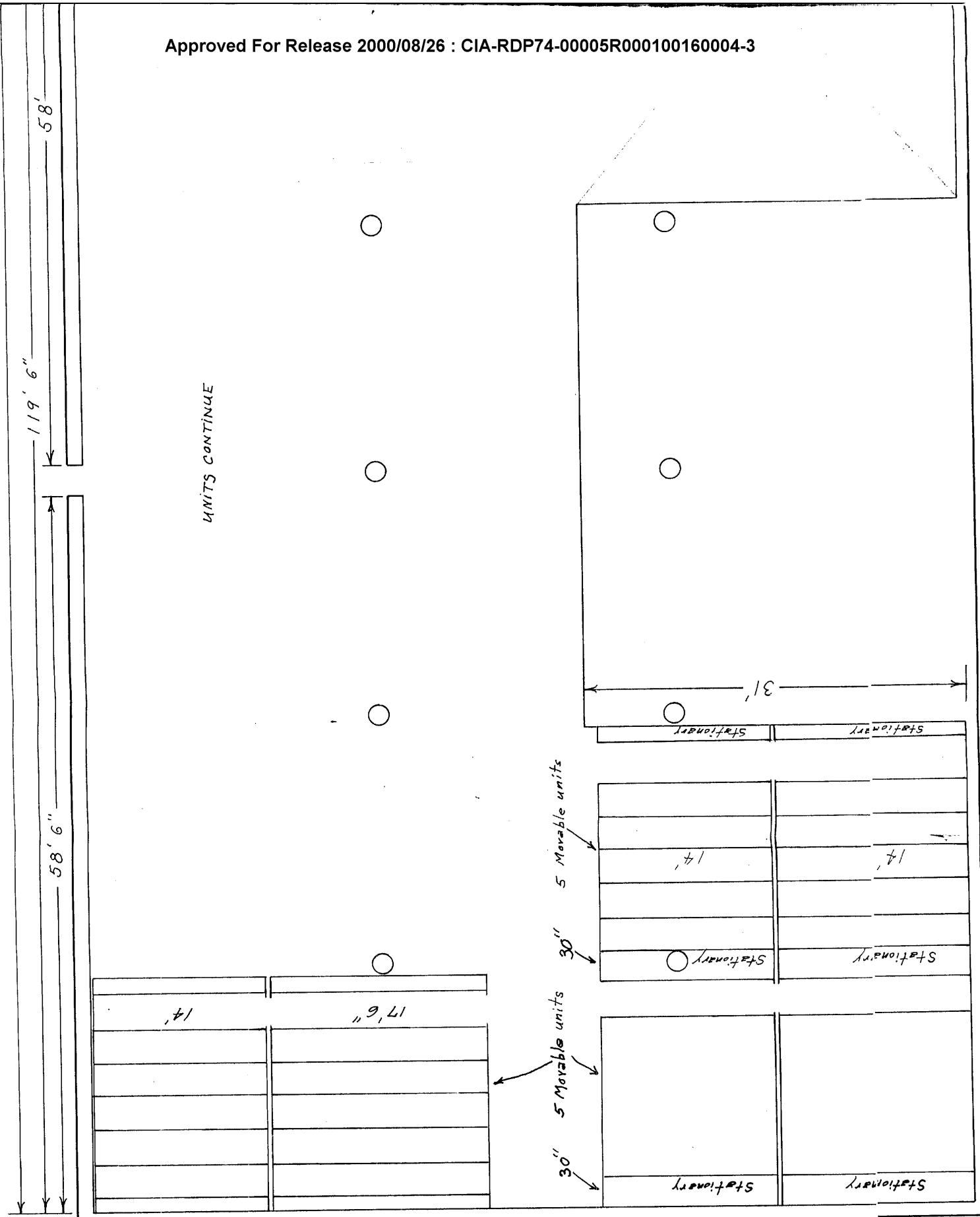


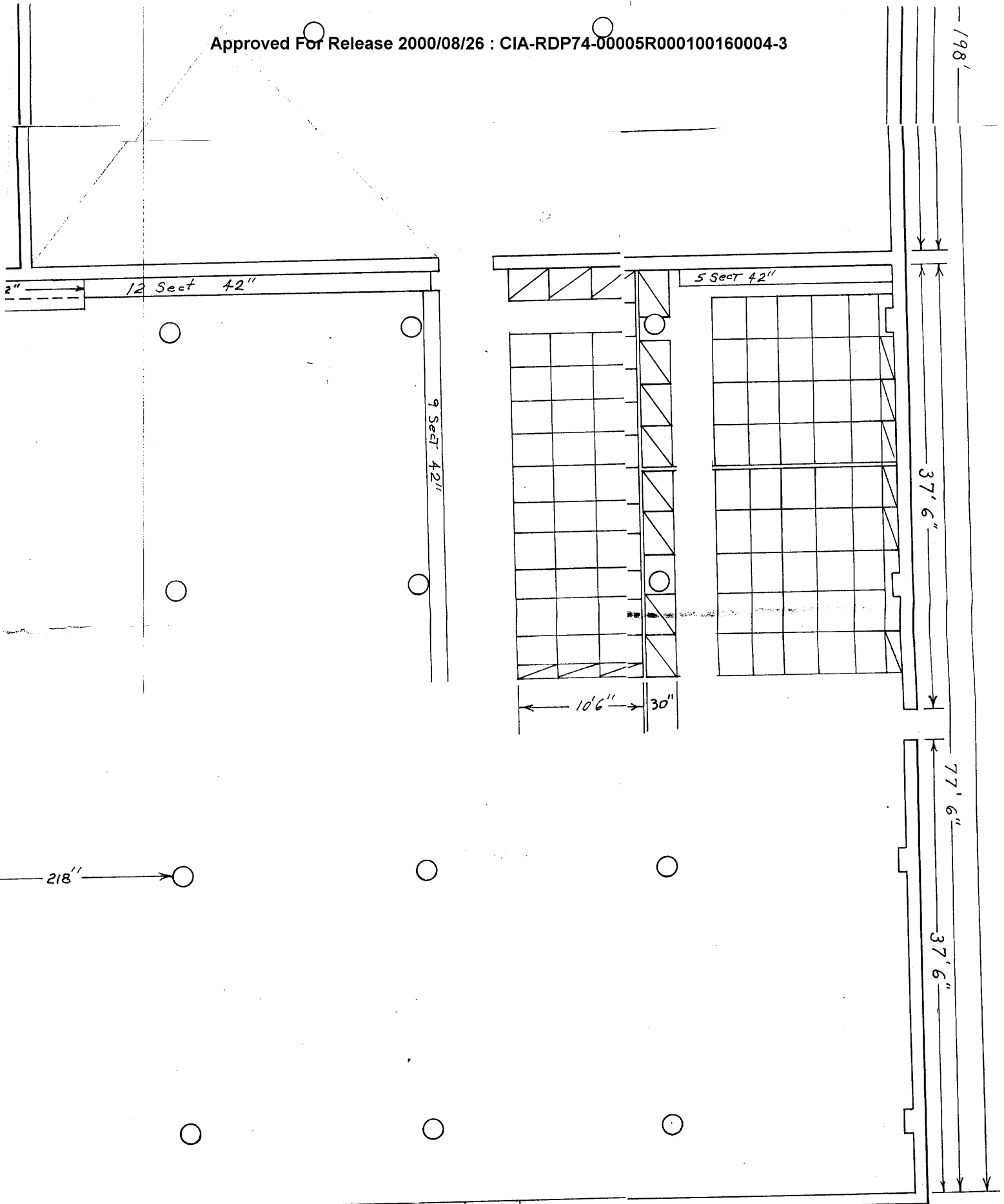
12 Sec

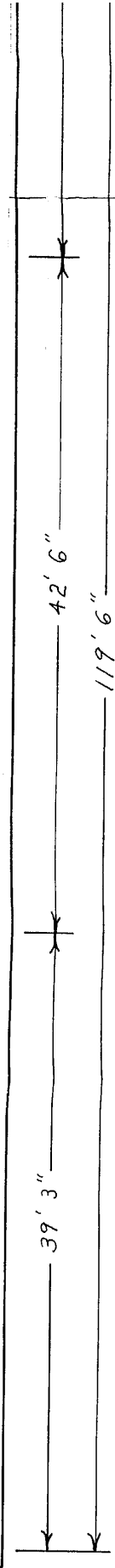
480

1/6 @ 42" SECTIONS

7' 9"





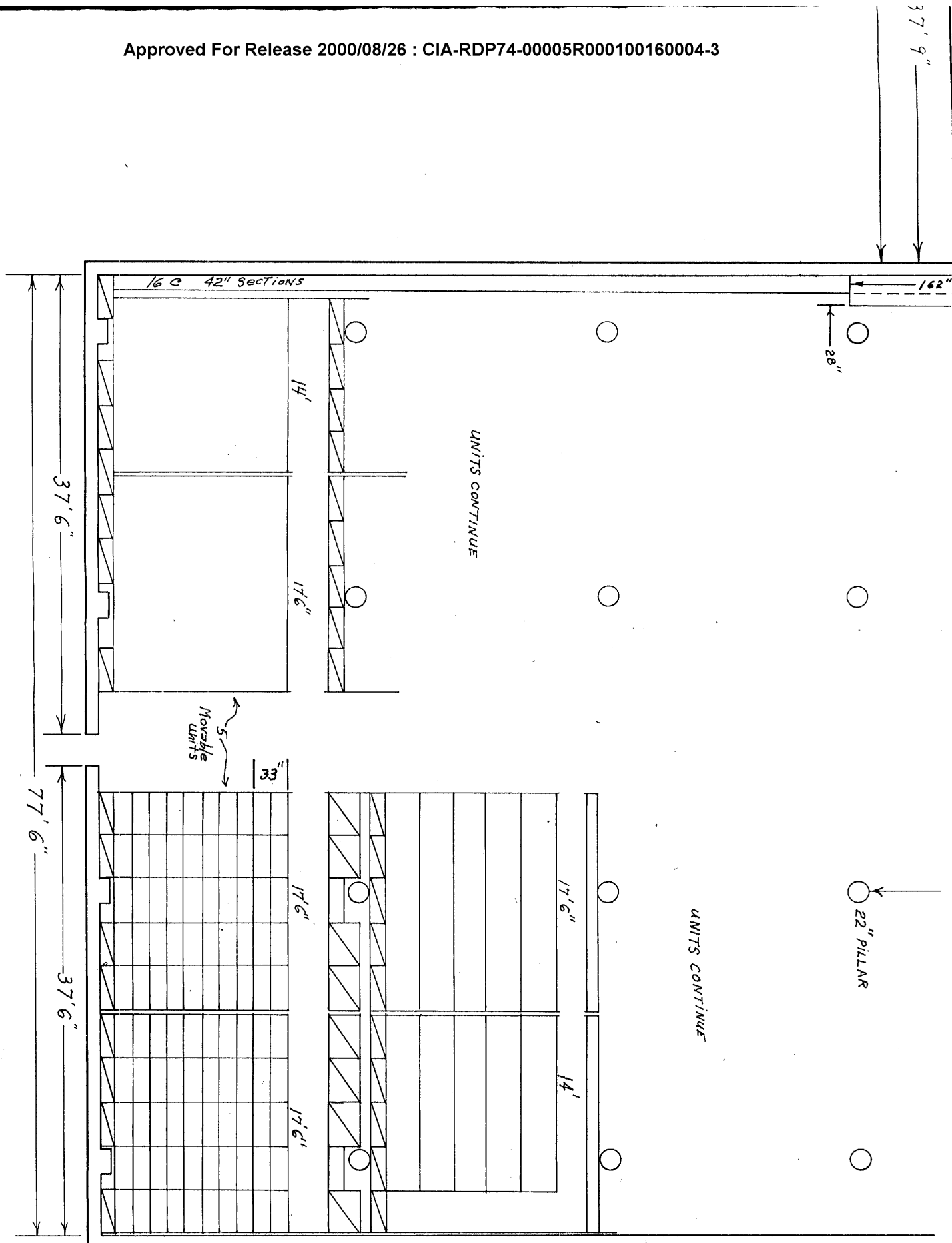


Scale 1/8" = 1'

STATINTL



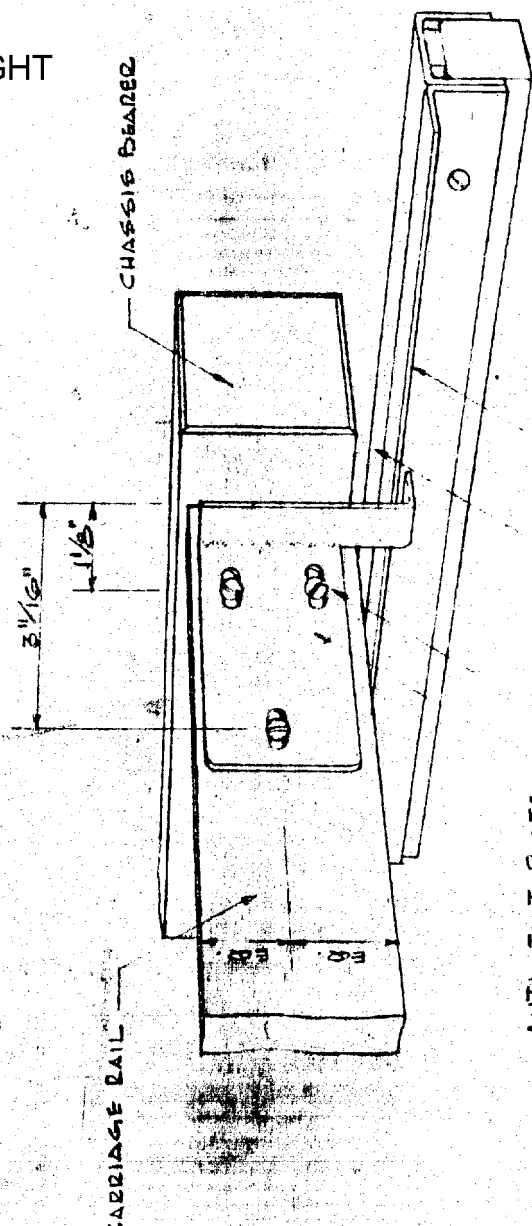
Second Floor Plan



GENERAL NOTES

1. ANTI-TILT PLATES ARE REQUIRED PER MOVABLE.
2. ANTI-TILT GUIDE SHIPPED IN 48" SECTIONS.
3. ANTI-TILT GUIDE MUST BE INSTALLED ALONG ENTIRE LENGTH OF RAIL.
4. DO NOT INSTALL ANTI-TILT GUIDE ON SAME RAIL W/ GUIDE BEARING OR CHAIN DRIVE.
5. LOCATE ANTI-TILT GUIDE FLUSH W/ TOP OF FULLSPACE GUIDE RAIL.

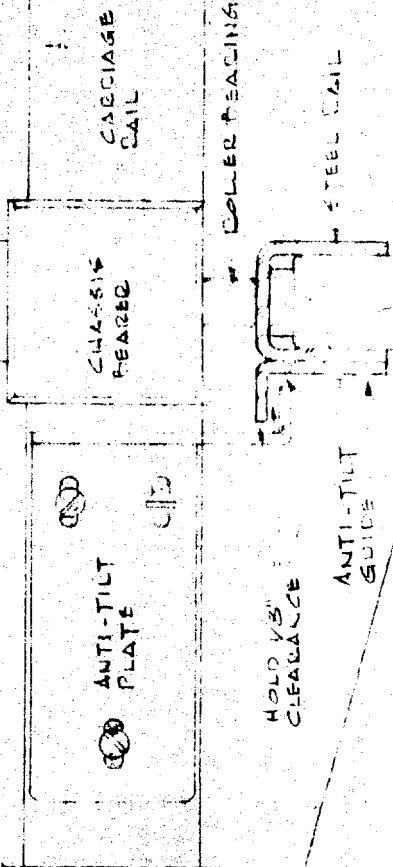
COPYRIGHT



ANTI-TILT PLATE
10 X 3/4" B.H. SCREWS

STEEL RAIL
ANTI-TILT GUIDE

#10 X 1" ROUND
HEAD SCREWS



HALF SIZE
ELEVATION SHOWING
LOCATION OF ANTI-TILT GUIDE



Job Name: ANTI-TILT DEVIC

Location:

DRAWING NO. 91231

SERVICE AND WARRANTY

- CPYRGHT
1. Service provided by Lundia factory trained personnel.
 2. Service available on a 24 hour basis by Lundia personnel.
 3. Preventive maintenance service contract available after one year, providing for quarterly inspection and maintenance. (Available directly from D. N. Owens Company or provided by a local reliable contractor recommended by you and trained by Lundia).
 4. Free training of operating personnel and your maintenance personnel on the base.
 5. Written operating instructions provided for use by operating personnel (sample attached).
 6. One complete additional set of electrical components for emergency requirements will be provided at time of installation at no additional cost to customer.
 7. Workmanship and quality of materials are guaranteed for one year after completion of installation.
 8. Defective materials replaced free of charge pending inspection by representative of D. N. Owens Company.
 9. Power unit guaranteed for one year on parts and workmanship subject to use within prescribed limitations and restrictions. Parts failure due to improper voltage, improper usage and maintenance and acts of God are excluded.

OPERATING INSTRUCTIONS

POWER - GLIDE FULLSPACE

This equipment is the latest in motorized, space saving, shelf filing. The system is designed to save valuable floor space and provide better and more efficient working conditions for operating personnel. The mechanical operation of Fullspace is simple, practical and virtually trouble free.

1. Power Glide is equipped with four safety features for your protection.

These are as follows:

- (1). The unit requires only 24 volt current to operate which eliminates any possibility of being shocked.
- (2). The movables require the operator to keep the button depressed while opening an aisle. If someone is in the aisle, he can ask the operator to stop the unit.
- (3). Primary Safety loop across outside of aisle. When going into aisle this is removed to deactivate the unit.
- (4). Upper and lower secondary safety lines within the units provide an involuntary safety if units are somehow activated while a person is inside the aisle. Contact with these lines will stop the units.

2. To operate the following steps should be followed:

- (1). Stand in front of the aisle desired.
- (2). Push the button on the movable unit which is closest to the existing open aisle. Your aisle will be opened in only 8 seconds.

OPERATING INSTRUCTIONS CON'T.

POWER - GLIDE FULLSPACE

- (3). Remove the primary safety loop placing magnet to the right of your open aisle.
 - (4). Proceed into aisle to perform desired function.
 - (5). Leave aisle from same side you entered.
 - (6). Replace magnet of safety loop back across aisle which will automatically turn current on throughout the system.
3. In the event the Power-Glide system fails to operate, take the following steps:
- (1). Make sure electric current is turned on at control panel.
 - (2). Check to be sure all primary safety magnets are placed across the aisles in proper position.
 - (3). Check for object in existing aisle which could shut off current at secondary safety line.
 - (4). If system still does not operate, phone D. N. Owens Co. 347-6967 for emergency service.
 - (5). Operate units manually until service man arrives.

CPYRGHT

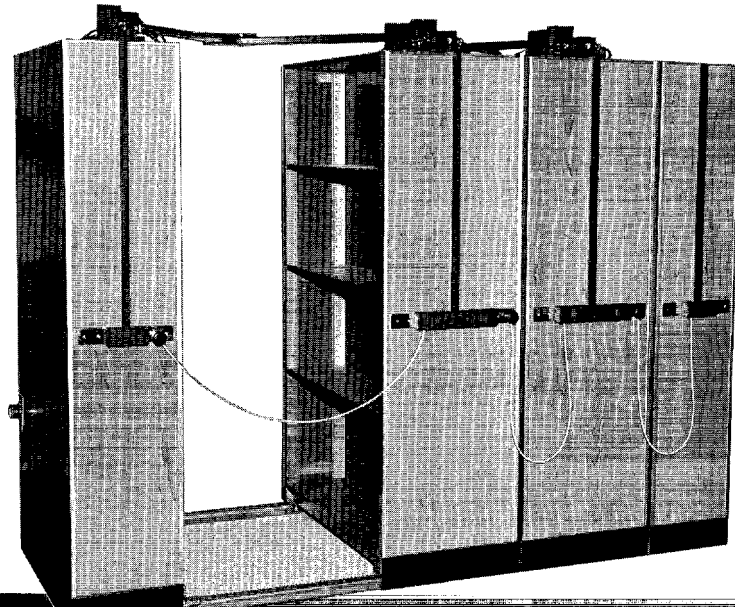


POWER ← → GLIDE

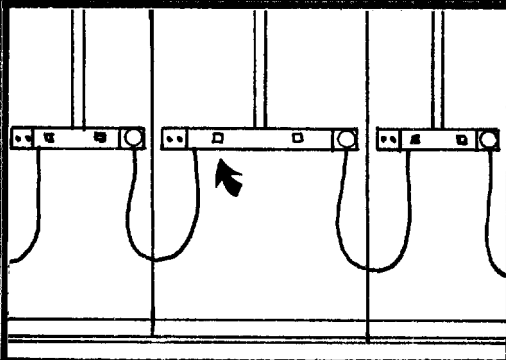
MOTORIZED MOVABLE SHELVING

TOUCH AND GO!

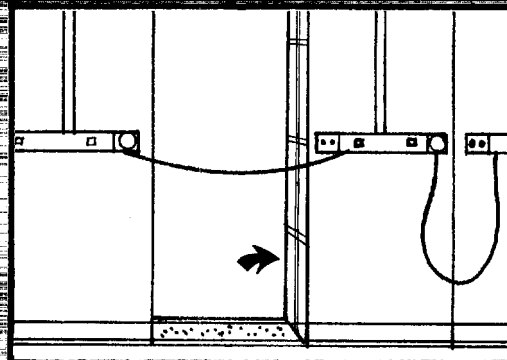
Touch Button lightly with your finger and Fullspace with Power-Glide opens itself for you automatically wherever you wish . . . with loads up to 23 tons!



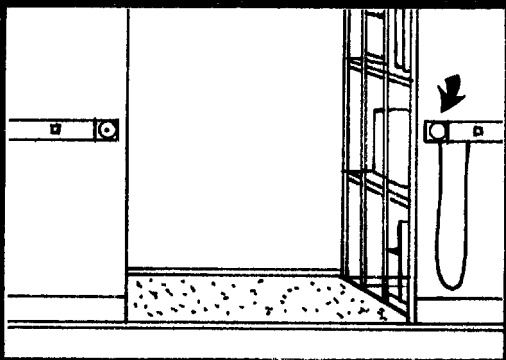
THIS IS HOW IT WORKS!



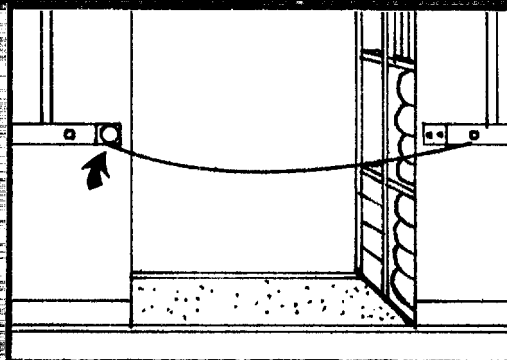
1. Push Button in front of the aisle you wish to enter.



2. In less than 10 seconds the aisle will be available as the carriage glides smoothly to one side or the other without disturbing shelf contents.



3. When the aisle is open remove the safety cord—walk in! You have positively disconnected the motor to prevent its operating as long as you are in the aisle.



4. When you are ready—walk out! Replace the safety device easily and simply with the aid of the magnetic couplings. Full-space is now ready to move again.