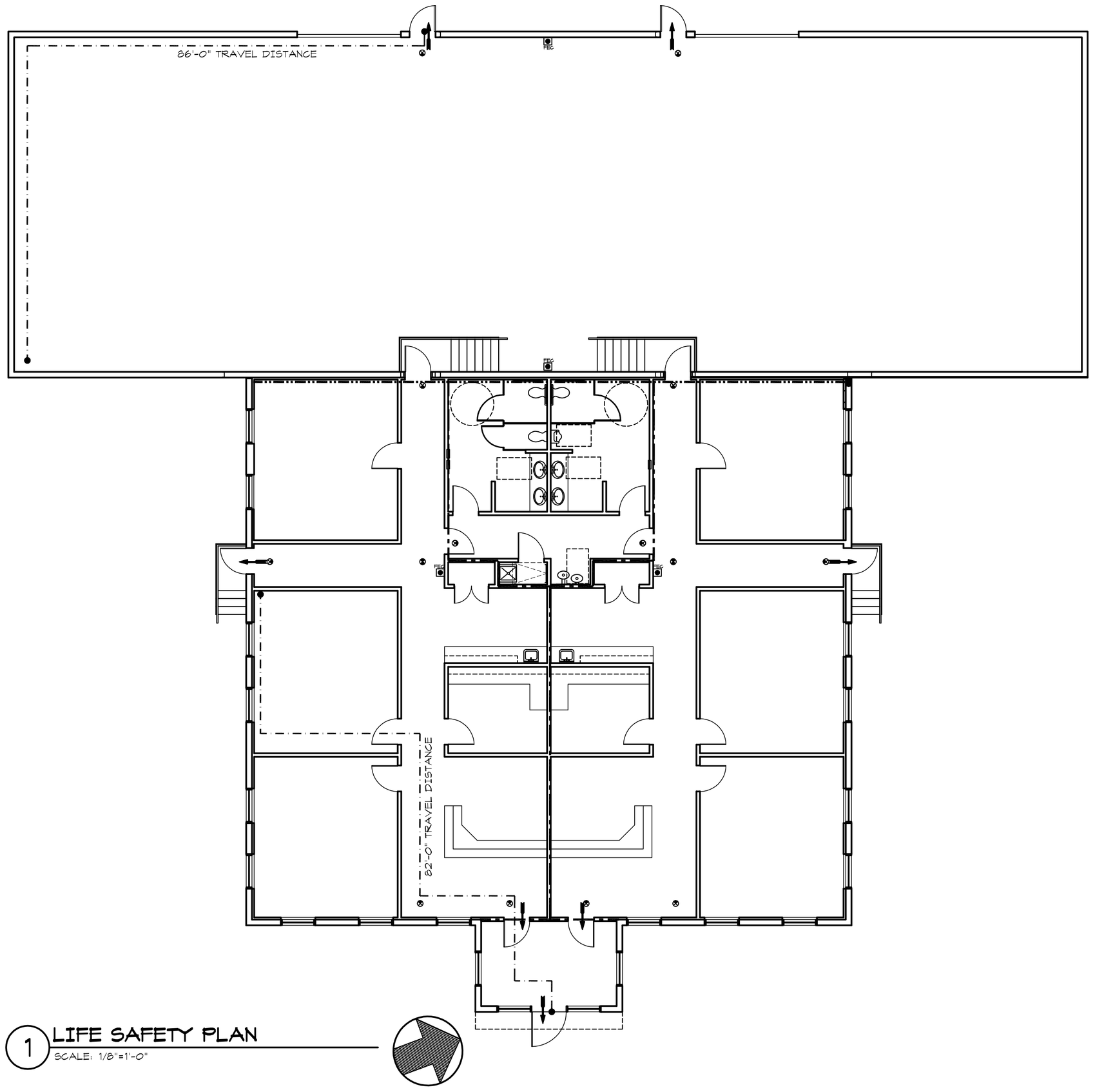

1 LIFE SAFETY PLAN
SCALE: 1/8"=1'-0"

LIFE SAFETY LEGEND

- X'-X" EGGRESS PATH W/ DISTANCE
- EXIST SIGN. SEE ELECTRICAL FOR EXACT LOCATION.
- EXIT. DOOR
- FEC FIRE EXTINGUISHER SURFACE MTD.
- 1 HOUR FIRE RATED WALL; SEE PARTITION TYPES.
- 2 HOUR FIRE RATED WALL; SEE PARTITION TYPES.

CODE ANALYSIS:

APPLICABLE BUILDING CODES:

2003 VIRGINIA UNIFORM STATEWIDE BUILDING CODE
2003 INTERNATIONAL BUILDING CODE
2003 INTERNATIONAL MECHANICAL CODE
2003 INTERNATIONAL PLUMBING CODE
2002 NATIONAL ELECTRIC CODE
2000 VIRGINIA STATEWIDE FIRE PREVENTION CODE
2003 INTERNATIONAL FIRE CODE

BUILDING AREA:	ALLOWABLE	PROVIDED
(WAREHOUSE)	23,000 SQ.FT.	5,000 SQ.FT.
(OFFICE)	23,000 SQ.FT.	4,480 SQ.FT.
BUILDING HEIGHT:		
(WAREHOUSE)	3 STORY	1 STORY
(OFFICE)	4 STORY	1 STORY

OCCUPANCY LOAD:	PER CODE	ACUTUAL
(WAREHOUSE)	500 GROSS	10 OCCUPANTS
(OFFICE)	100 GROSS	45 OCCUPANTS
TOTAL OCCUPANTS:		55 OCCUPANTS

USE GROUP:
MIXED USE — B, F-2

CONSTRUCTION TYPE: — IIB

SEPERATIONS:	REQ'D	PROVIDED
TENANT	0 HOUR	1 HOUR
STRUCTURAL FRAME	0 HOUR	0 HOUR
BEARING WALLS		
EXTERIOR	0 HOUR	0 HOUR
INTERIOR	0 HOUR	0 HOUR
NONBEARING WALLS		
EXTERIOR	0 HOUR	0 HOUR
INTERIOR	0 HOUR	0 HOUR
FLOOR CONSTRUCTION	0 HOUR	0 HOUR
ROOF CONSTRUCTION	0 HOUR	0 HOUR

NOT SPRINKLERED

FIRE WALL SEPERATION:	REQ'D	PROVIDED
SEPERATION BETWEEN USES:	2 HOUR	2 HOUR
FIRE WALL OPENING:	1-1/2 HOUR	1-1/2 HOUR

PLUMBING FIXTURE COUNT:

(WAREHOUSE)		
	TOILETS	1 PER 100
	LAVATORIES	1 PER 100
	DRINKING FOUNTAINS	1 PER 400
	SERVICE SINK	1

(BUSINESS)		
	TOILET	1:25 TO 50 1:50 FOR REMAINING EXCEEDING 50
	LAVATORIES	1:40 TO 50 1:80 FOR REMAINING EXCEEDING 50
	DRINKING FOUNTAINS	1 PER 100
	SERVICE SINK	1

MIN. PER CODE:	TOILETS	URINALS	LAVS	DRINKING FOUNTAINS
MALE	1		1	
FEMALE	2		1	
TOTALS	3		2	1
PROVIDED:	TOILETS	URINALS	LAVS	DRINKING FOUNTAINS
MALE	1	1	2	
FEMALE	2		2	
TOTALS	2	1	4	2 +1 SERVICE SINK

GA FILE NO. WP 1200	GENERIC	1 HOUR FIRE	40 to 44 STC SOUND

GYPSUM WALLBOARD, STEEL STUDS

One layer 5/8" type X gypsum wallboard or gypsum veneer base applied parallel or at right angles to each side of 3⅝" steel studs 24" o.c. with 1" Type S drywall screws 8" o.c. at vertical joints and 12" o.c. at floor and ceiling runners and intermediate studs.
Joints staggered 24" on opposite sides. **(NLB)**

Thickness: 4⅞"
Limiting Height: Refer to Section IV
Approx. Weight: 6 psf
Fire Test: FM WP-45, 6-19-68; OSU T-1770, 8-81; ULC 797484, 797500, 797497, 8-12-81.
ULC Design W415
Sound Test: NGC 2285, 7-28-70

2 1 HOUR WALL TYPE 2
SCALE: N.T.S.

GA FILE NO. WP 7051	PROPRIETARY ¹	2 HOUR FIRE	50 to 54 STC SOUND

GYPSUM WALLBOARD, STEEL C-T STUDS

One layer 1" x 24" proprietary type X gypsum panels inserted between 2½" floor and ceiling J-runners with T section of 2½" steel C-T studs between panels.
OPPOSITE SIDE: **Base** layer ½" proprietary type X gypsum wallboard applied at right angles to studs with 1" Type S drywall screws 24" o.c. **Face** layer ⅝" proprietary type X gypsum wallboard applied parallel to studs with 1¼" Type S drywall screws 12" o.c.
Sound tested with 1¼" glass fiber insulation in stud space. **(NLB)**

PROPRIETARY GYPSUM BOARD

American Gypsum Company	-	⅝" FIREBLOC TYPE C
PABCO Gypsum	-	1" FIREBLOC SHAFT LINER ⅝" FLAME CURB® Super 'C'
Temple-Inland Forest Products Corporation	-	1" PABCORE® Gypsum Liner Board ⅝" TG-C
	-	1" Silent Guard™ Gypsum Liner Board

Thickness: 5⅛"
Limiting Height: Refer to manufacturer
Approx. Weight: 9 psf
Fire Test: UL RT094, 90NK0151, 9-14-93.
UL Design U423B
Sound Test: RAL TL93-181, 7-1-93

3 2 HOUR WALL TYPE 4
SCALE: N.T.S.

SEE A3.1 FOR OTHER PARTITION TYPES.

MW ARCHITECTS
636 WOOD STREET
HERNDON, VA 20170
DIRECT: 703.819.9461
FAX: 703.935.3098

13648 DUMFRIES ROAD
MANASSAS, VA

LIFE SAFETY PLAN

HOADLY ROAD OFFICE/WAREHOUSE

SEAL:

REVISIONS:
OWNER REVIEW 08.01.06

DRAWN BY: MSW
CHECKED BY: MSW
SCALE: AS NOTED
DATE: 08.01.06
PROJECT NO. 06.105
DRAWING NO. LS1.0