APTON ROLLING DOORS

1800 COPEWOOD ST. CAMDEN, NJ 08103 856-966-0931

OWNERS INFORMATION PACKET

THIS PACKET MUST BE GIVEN TO THE BUILDING OWNER, OR HIS REPRESENTATIVE ON PREMISIS, WHEN THE DROP TEST IS PERFORMED ON EACH FIRE DOOR OR SHUTTER.

THE NATIONAL FIRE PROTECTION ASSOCIATION STANDARD STATES "PERIODIC INSPECTION OF DOORS... WITH IMMEDIATE ATTENTION TO ANY NECESSARY REPAIRS AND CORRECTION OF ANY DEFECTS THAT MAY INTERFERE WITH OPERATION" IS A VERY IMPORTANT RESPONSIBILITY OF THE MANAGEMENT OF THE PROPERTY.

CAUTION

APTON DOOR RECOMMENDS THIS FIRE DOOR ASSEMBLY BE DROP-TESTED A MINIMUM OF SEMI-ANNUALLY.

WARNING

TO INSURE PROPER OPERATION, NOTIFY YOUR DOOR MECHANIC IF ANY OF THE FOLLOWING OCCURS:

1. **DOOR DAMAGED BY ACCIDENT.**
2. **MALFUNCTION OF NORMAL OPERATION.**
3. **UNUSUAL NOISES.**

PREVENTIVE MAINTENANCE SHOULD BE DONE AT EACH TEST-DROP. IF ANY QUESTIONS ARISE, NOTIFY YOUR DOOR MECHANIC.

RECORD SERIAL NUMBER HERE _____

RECORD DOOR MECHANICS _____

NAME & ADDRESS HERE _____

_____

Apton Rolling Doors

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Camden, NJ 08103

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Description:
Manufacturer of rolling-steel, insulated and fire doors; shutters and grilles.

Products/Services:
Commercial and industrial doors
Commercial operators
Fire doors
Rolling steel doors

APTON ROLLING DOORS

INSTALLATION INSTRUCTIONS

PUSH UP AND CHAIN OPERATED FIRE DOORS

Step 1. **Mount wall angles (identified by vertical slotted holes). Be sure they are set PLUMB and spaced so that the proper "distance between brackets" (back of wail angles) dimension Indicated on your drawing "BB" is obtained. See SKETCH #1.**

Step 2. **Assemble shaft and bracket plates at floor level. Proceed as follows, referring to SKETCH #2.**

Slip automatic dropout plate, onto shaft end next to the starter. Complete this assembly as shown on SKETCH #2 and #3, leaving locking bolt #8 off and weight arm #8 in open position.

Mount governor plate onto welded and keyed shaft end as shown on SKETCH #4 and #5.

Make sure that bolts, keys and set screws are In place & securely locked.

STEP 3. **Hoist this assembly up and fasten bracket plates to the OUTSIDE of the wall angles. Make certain that the shaft is LEVEL. The slot holes are provided for adjustment up or down.**

IMPORTANT: AUTOMATIC GEAR #5 AND GOVERNOR GEAR #12 MUST BE UNLOCKED AND BE ABLE TO TURN PROPERLY.

CHAIN & GEAR OPERATED DOORS ONLY: Engage handchain sprocket into drive* gear *by raising lever.

???? below the pipe shaft. Depending on the curtain weight, hang several rope slings over pipe shaft, forming a cradle in which the curtain will hang. Tie the top slat to cradle by means of wire. The top slat should rise between wall and shaft, hollow side of slat faces inside.

PUSH UP DOORS: Twist pipe shaft by hand until entire curtain is rolled up.

CHAIN OPERATED DOORS ONLY: Using the hand chain operator, turn the door shaft in the direction of raising the door to bring the top slat to barrels. Now secure top slat. Continue turning the shaft until the entire curtain is coiled around the shaft. Tie handchain to wall angle.

Step 5. Erect guide angles after first removing door stops. Guide curtain into tracks and insert the door stops.

Step 6, With the curtain fully raised, the bolt removed from the tension gear #5 and weight arm #8 in open position, turn the tension gear in the direction shown on SKETCH 6. Raise weight arm #8 to lock tension temporarily while changing position of charging wrench. Apply just enough tension to hold curtain from moving downward. Lock the weight arm # 8.

Step 7. Lower and raise the door to try operation. Adjust spring tension to obtain best door operation.

Step 8. Mark position of tension wheel by means of crayon, so that after test dropping the door, tension gear can be returned to original position. Have swing stop #3 hanging down vertically and try first to Insert the special 3/4" Hex head bolt in location to obtain a 1-1/8 take off turn on the springs. (See Sketch #6) Engage governor by dropping lever #1.3 as shown on Sketch #4 & #5.

??????????????

Test drop door *by* lowering weight arm # 8

In all cases, raise the curtain again to the fully open position and set the tension gear back to ORIGINAL position.

Depending on whether the decent of the curtain was too slow or too fast, increase or decrease the amount of turns to be taken off by changing position of locking bolt, shown on SKETCH #3 & #6. After' having determined the proper setting, raise the door and set the proper tension again. With lever #8 in locked position and lever #13 raised to unlock governor (on chain operated doors have the gearing engaged) connect universal chain between levers #8 and and #13 with fusible links as shown on field drawing. Also see SKETCH #7. Install hood with bolts provided.

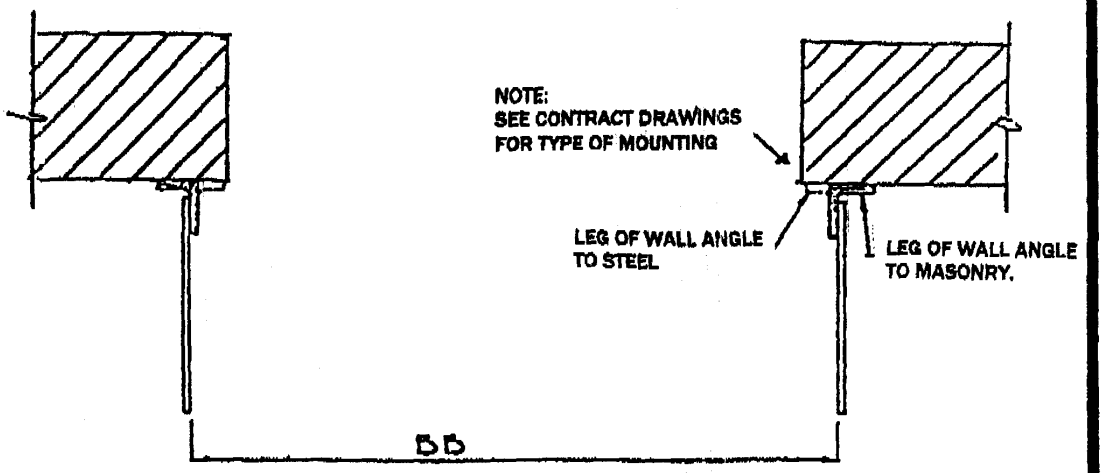
OPTIONAL: Tighten chain to hold flame baffle (if used) closely to hood.

MAINTENANCE:

APTON Doors are designed to require a minimum of attention. Your door has sealed quality bearings, lubricated for lifetime" and require no care. Clean tracks periodically. ON chain operated doors clean the drivegears and apply a quality grease every few months. With a little care your door will operate trouble free for many years.

LEGEND

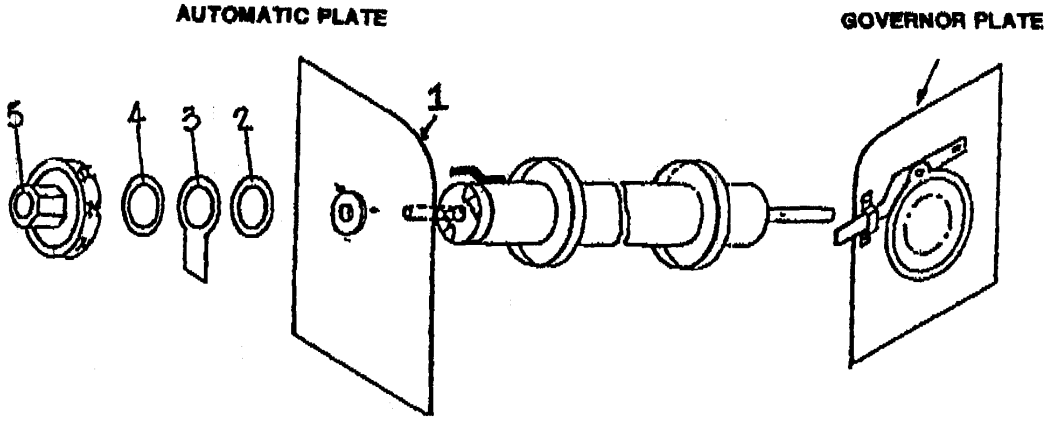
1. **Automatic drop out plate**
2. **1-5/8" I.D. Washer**
3. **Swingarm**
4. **1-5/8" I.D. Washer**
5. **Automatic Torsion Gear**
6. **Locking Bolt Stop**
7. **Pawl Lever**
8. **Weight Arm**
9. **High Tensile Torsion Bolt**
10. **Governor Bracket Plate**
11. **Governor**
12. **Governor Arm**
13. **Governor Release Arm**
14. **Drive Gear**



(OUTSIDE OF GUIDE/OUTSIDE OF GUIDE DIMENSION)

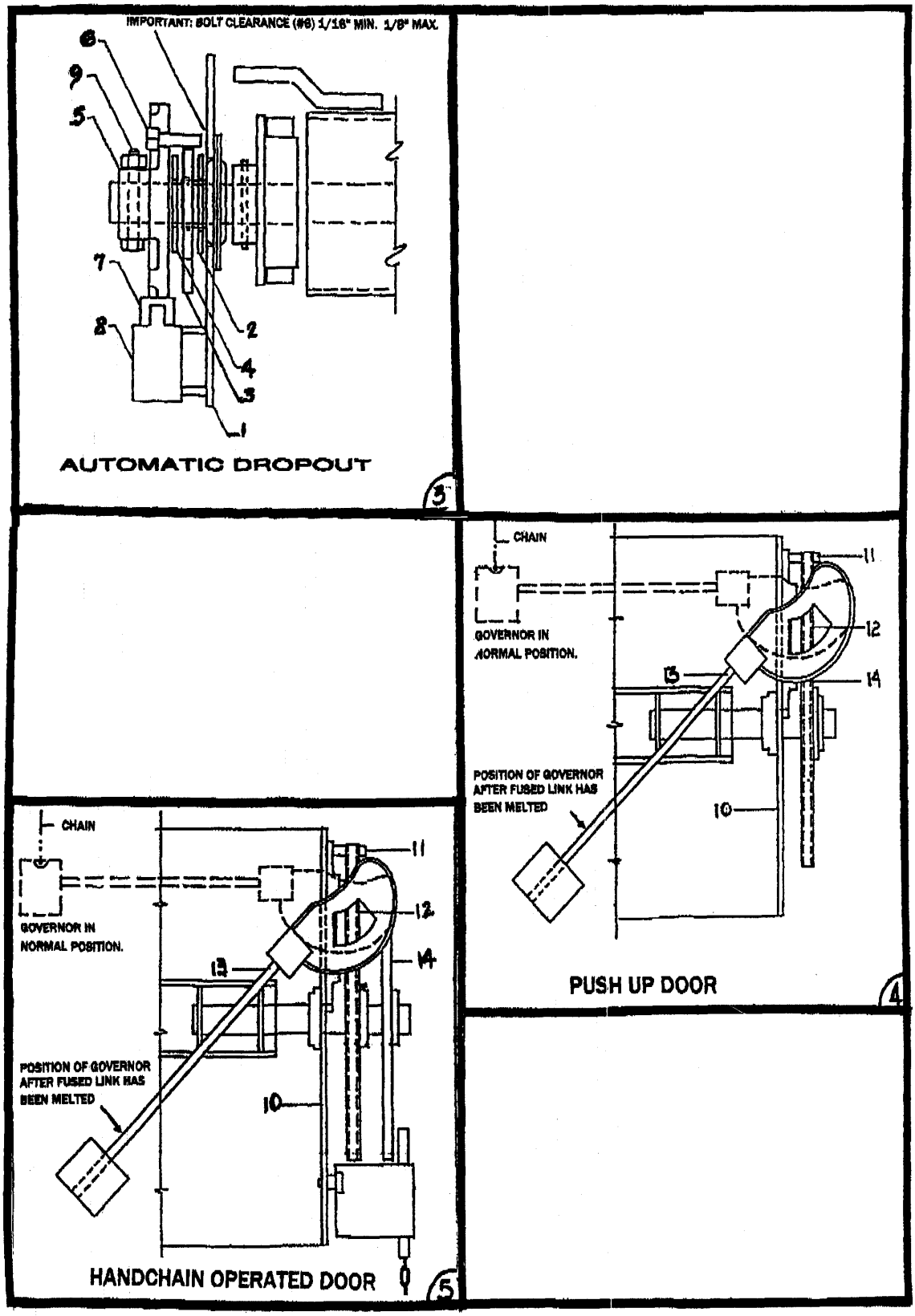
PLAN OF OPENING

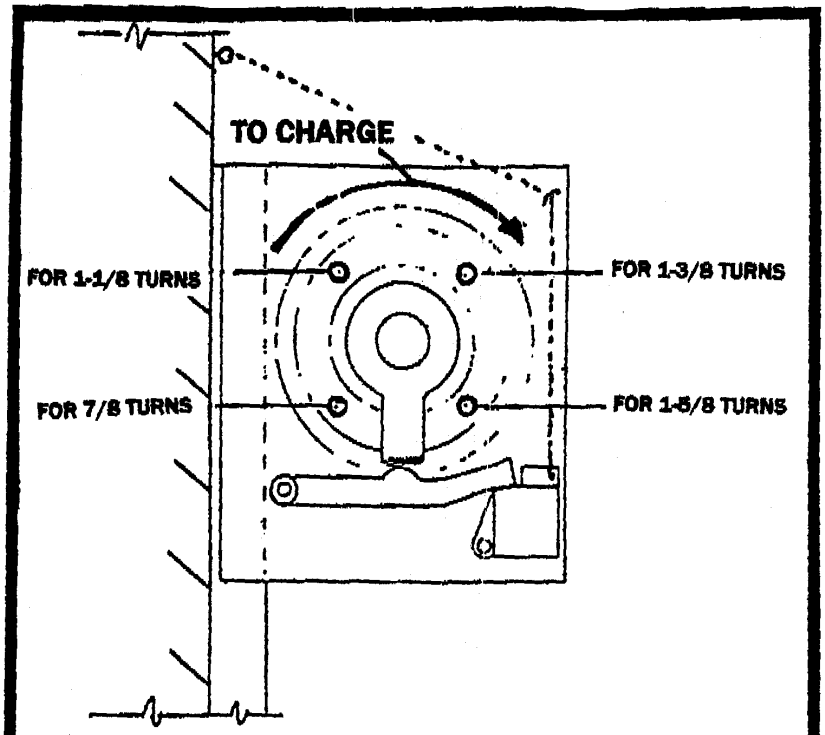
1



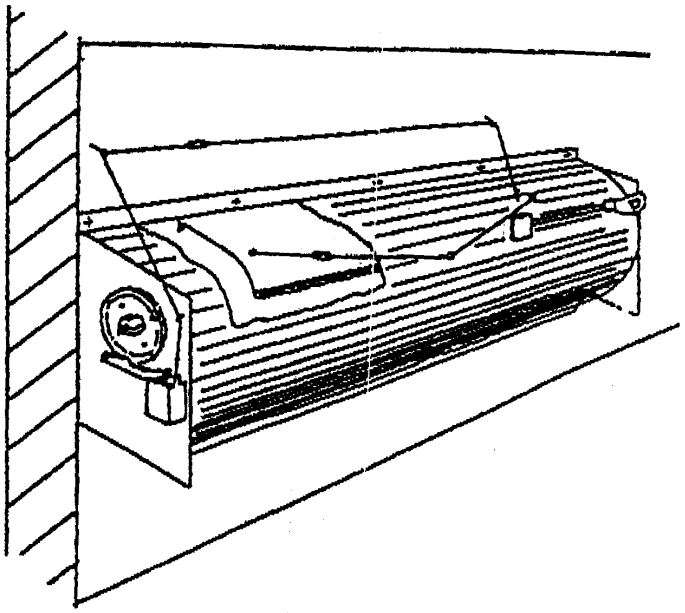
SHAFT AND BRACKET PLATE ASSEMBLY

2


IMPORTANT: BOLT CLEARANCE (#6) 1/16" MIN. 1/8" MAX.
6
9
5
7
8
2
4
3
1
AUTOMATIC DROPOUT
3
CHAIN
11
GOVERNOR IN
NORMAL POSITION.
12
13
14
POSITION OF GOVERNOR
AFTER FUSED LINK HAS
BEEN MELTED
10
PUSH UP DOOR
4
CHAIN
11
GOVERNOR IN
NORMAL POSITION.
12
13
14
POSITION OF GOVERNOR
AFTER FUSED LINK HAS
BEEN MELTED
10
HANDCHAIN OPERATED DOOR
5



SIDE VIEW OF AUTOMATIC DROPOUT



HOOD AND FLAME BAFFLE