AV300

OPENING WIDTH

12"x12" PAD
(305mm x 305mm)

1/4 OP'NG
6 OP'NG

REQUIRED ON DOORS REQUIRING (4) SPRINGS OR DOORS OVER 20'-3" (6172MM)
2"x6" (51MM x 152MM) WOOD OR 5"x12" (127MM x 305MM) STEEL

REQUIRED ON DOORS OVER 14'-2" (4318MM) WIDE
2"x6" (51MM x 152MM) WOOD OR 5"x12" (127MM x 305MM) STEEL

FULL VIEW WINDOWS
IF REQUIRED, SEE LTE NOTES AND DOOR SCHEDULE
(MARK GLASS TYPE UNDER NOTES AND USE "P" IN DOOR SCHEDULE)

PANNELED SECTION
(MARK DOOR SCHEDULE WITH "P" ACCORDINGLY)

INTERIOR ELEVATION

1) Doors shall be aluminum sectional overhead type Raynor series AV300 as manufactured by Raynor Garage Door Co. Sections shall be 3" (76.2mm) thick 6063-T6 aluminum alloy frame with .050" (1.3mm) thick aluminum panels. Stiles and rails to be joined together with 5/16" (7.9mm) dia. screws. Panels and glass to be held in place with dual durometer snap-in, top rails to be 3-3/8" (85.7mm), bottom rails to be 6-7/16" (163.5mm). Combined dimension of the two intermediate rails to be 5" (127mm). End stiles shall be 3-3/8" (85.7mm). Center stiles to be 2-5/8" (66.7mm). Bottom rail of door to have vinyl weatherstrip to seal door to floor. Extrusions and panels to be etched and clear anodized to meet spec 204r1. Doors with full glass, up to 24'-2" (7366mm) wide, available with special anodized finishes or armortite colors.

- GLASS (CLEAR) (DSB 3/16" (4.8MM) OR DSB 1/4" (6.4MM))
- GLASS (WIRE) (DSB 3/16" (4.8MM) OR DSB 1/4" (6.4MM))
- GLASS (TEMPERED) (1/8" (3.2MM), 3/16" (4.8MM) OR 1/4" (6.4MM))
- PLEXIGLASS (1/8" (3.2MM) OR 1/4" (6.4MM))
- LEXAN (1/8" (3.2MM) OR 1/4" (6.4MM))

LOCKING – CRESCONE TYPE BOLT ENGAGES SLOT IN TRACK. HAND SIDE. FIVE PIN TUMBLER CYLINDER OUTSIDE – NIGHT LATCH INSIDE.

LOCKING – SPRING LOADED SLIDE BOLT ENGAGES SLOT IN TRACK, OPERABLE FROM INSIDE ONLY – MAY BE MOUNTED EITHER SIDE

LOCKING – OMIT LOCK.

LOCKS SHOULD NOT BE SUPPLIED WITH AN ELECTRIC OPERATED DOOR WITHOUT A LOCK INTERLOCK SWITCH.
EVEN NUMBERED DOOR HT. + 3'-10"'(1188MM) PHBT
EVEN NUMBERED DOOR HT. + 4'-8"'(1188MM) RBT
EVEN NUMBERED DOOR HT. + 5'-1"'(1188MM) RGT

OPENING HEIGHT + 27"'(686MM)

12"'(304MM)

GROOVED CABLE DRUM ON LINE SHAFT

HANGERS NOT SUPPLIED BY RAYNOR GARAGE DOOR CO.

2"'(50.8MM)
TAPERED TRACK

OUTSIDE HOOK-UP BRACKET

VINYL WEATHERSEAL

SECTION THRU OPENING

SNAP-ON VINYL JAMB SEAL

CABLE DRUM

5/16"'(8MM) X 3/4"'(44.5MM)
LAG SCREWS (WOOD)
OR
5/16"'(8MM) X 5/8"'(16MM) SELF-TAPPING SCREWS OR ARC WELD (STEEL)

GRADUATED HINGE

3/32"'(2.4MM) CONTINUOUS ANGLE MOUNTING

JAMB DETAIL

6.7/8"'(175MM) HORIZONTAL SIDEROOM REQUIRED
2 5/8"'(77MM) JAMB SIDEROOM REQUIRED

JOE:
DISTR:
CONTR:
ARCH:
NR: 2902473

tracks - 2"'(50.8MM) HOT-DIPPED GALVANIZED TRACK, PER ASTM A-653, TO BE BRACKET MOUNTED, AND FULLY ADJUSTABLE FOR SEALING DOOR TO JAMB. HORIZONTAL TRACK TO BE ADEQUATELY REINFORCED WITH CONTINUOUS ANGLE.

hardware - hinges and brackets made from galvanized steel. track rollers shall have ten 1/4"'(6.4MM) DIAMETER HARDENED STEEL BALLS PER ROLLER.

spring counterbalance - heavy duty oil-tempered wire torsion springs on a continuous ball bearing cross-head shaft. galvanized aircraft type lifting cables with min. safety factor of 5 to 1.

ANSI/UL325 REQUIRES THE MOTOR OPERATOR BE MOUNTED A MINIMUM OF 8" ABOVE THE FLOOR OR GUARDING OF THE MOTOR OPERATOR TO PREVENT INJURY (GUARDS BY OTHERS).

☐ RAYNOR POWERHOIST BASIC (PHBT) 1/2 H.P., 115 VOLT, SINGLE PHASE
☐ RAYNOR POWERHOIST STANDARD (RBT) 1/2 H.P., 115 VOLT, SINGLE PHASE
☐ RAYNOR POWERHOIST OPTIMA (RGT) 1/2 H.P., 115 VOLT, SINGLE PHASE
☐ WIRING TYPE SR2 WIRING, MOMENTARY CONTACT OPEN/CLOSE/STOP, SAFETY EDGE TO REVERSE.
☐ WIRING TYPE SPECIAL (NOT AVAILABLE WITH PHBT OPERATORS) SPECIFY SPECIAL WIRING TYPE ________
☐ PNEUMATIC SAFETY EDGE TO REVERSE ☐ COIL CORD OR
☐ ELECTRIC SAFETY EDGE TO REVERSE ☐ CABLE TAKE UP REEL
☐ THRU-BEAM PHOTO EYES