GENERAL DRAWING NOTES:

1. Material:

    a. Extruded aluminum alloy 6063-T6 with a minimum wall thickness of 1/8".

2. Finishes:

    a. Available in anodized, kynar painted and powder coat paint finishes.

3. Doors:

    a. Standard door thickness is 2" nominal.

    b. Available top rail heights: 4 3/4".

    c. Available bottom rail heights: 4 3/4" and 10" (10" recommended to comply with 2004 ADA guidelines).

4. Frames:

    a. See details following for 3" x 6" profile.

    b. Optional 3" x 5" Profile available (the 1" reduction is taken off the pull side), see details 1A, 7A, 12A & 17A on Page 10.

    c. Optional 1 1/8" x 6" (or 5") nominal Profile header available, see detail 28B on Page 12.
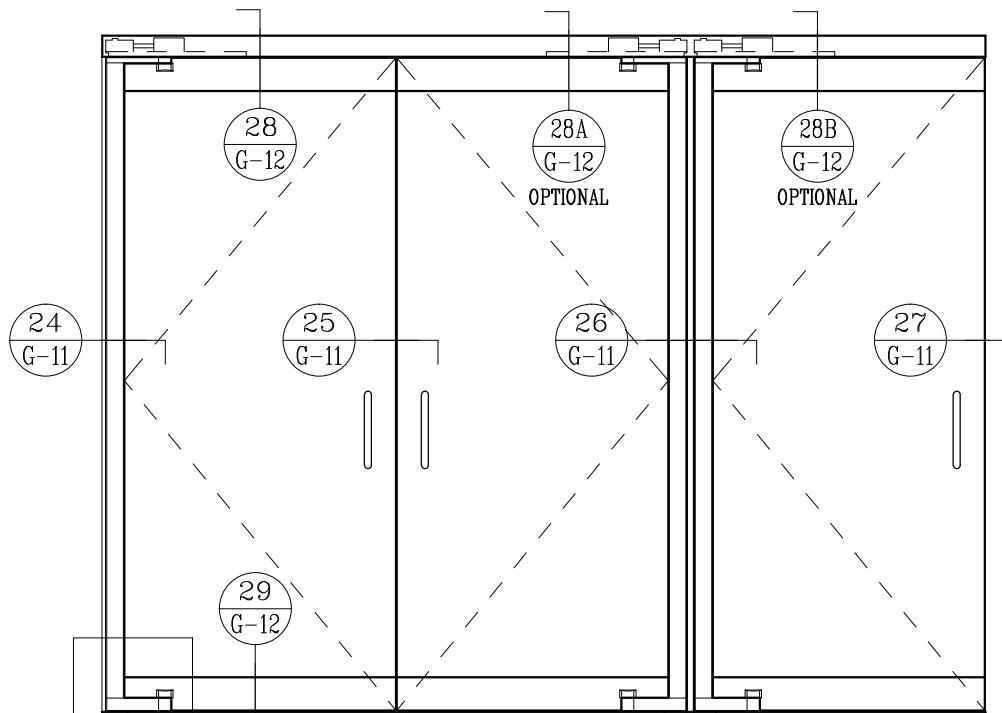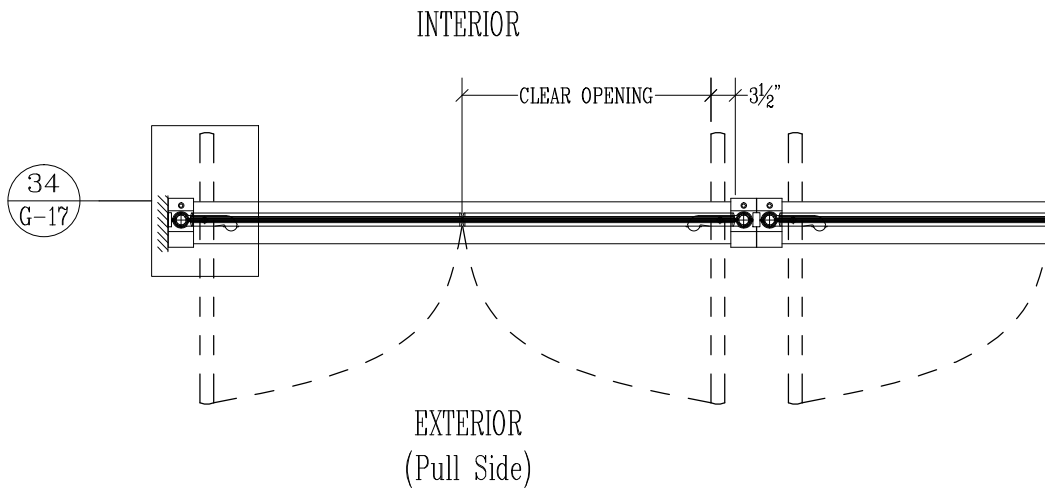   Note: mortise is required at surrounding material for balanced hardware.

    d. Glass thickness may vary as desired. See details on page 14.

    e. Glass location may vary as desired. See detail 4 on page 6, and 16 on page 8.*

    f. For multi-light/true divided construction (G-2), intermediate vertical and horizontal muntins (1/2 x 2" minimum) see details 15 on page 8 and 20 on page 9.

5. Threshold and floorbox types: see details on pages 16 & 18.

6. Door in open position and door projection: see detail 23 on page 15 and detail 34 on page 17.
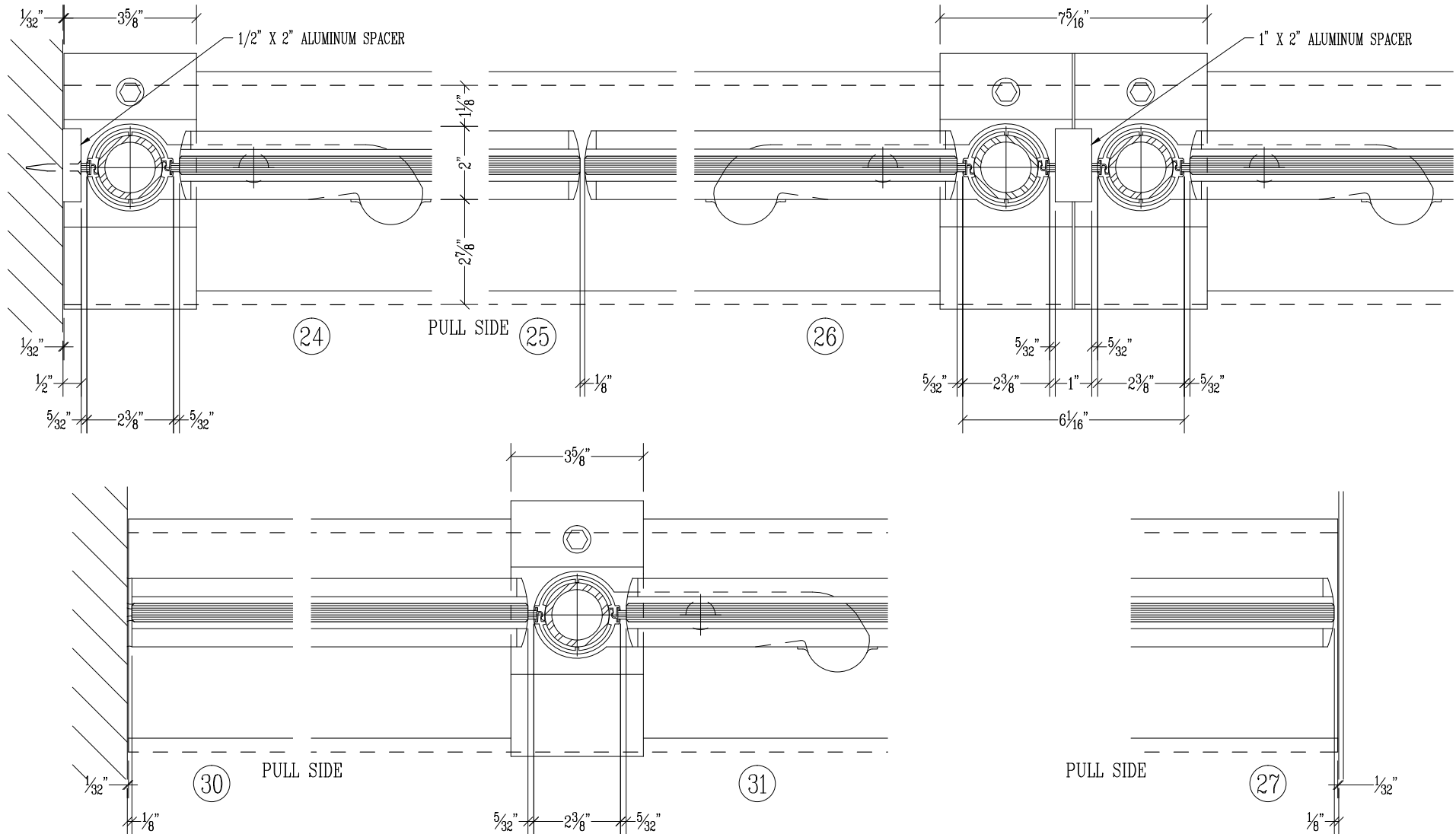
7. Further information: Refer to specifications following, miscellaneous items section M, curtainwall applications section L, or consult the factory.

Ellison
CUSTOM. BALANCED. DOORS.

INTERIOR

CLEAR OPENING — 3½"

34
G-17

EXTERIOR
(Pull Side)

28
G-12

28A
G-12
OPTIONAL

28B
G-12
OPTIONAL
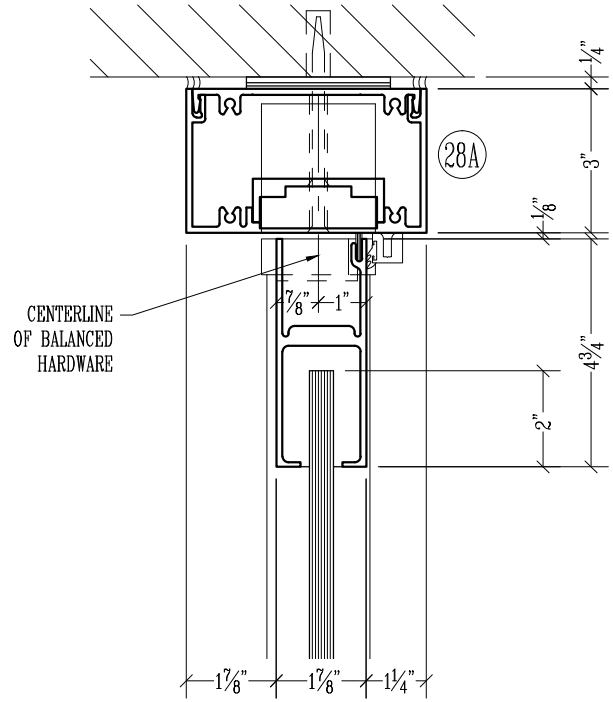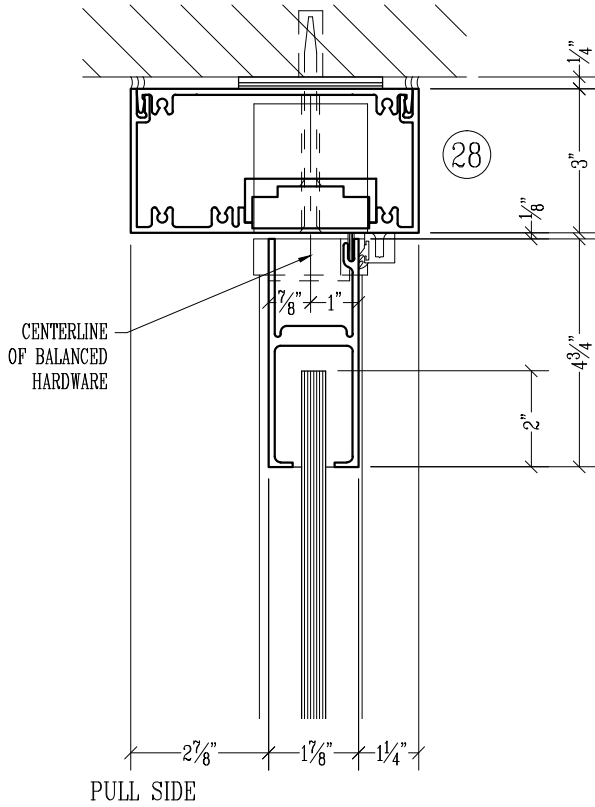
24
G-11

25
G-11

26
G-11

27
G-11

29
G-12

SEE PAGE #18 FOR FLOORBOX DETAILS
(WITH AND WITHOUT THRESHOLD)

Exposed Shafts / Header (G-3 & 4)

1/2" X 2" ALUMINUM SPACER

1" X 2" ALUMINUM SPACER

PULL SIDE

PULL SIDE

PULL SIDE

Exposed Shafts / Optional Header Framing (G-3 & 4)

CENTERLINE
OF BALANCED
HARDWARE

28

PULL SIDE

CENTERLINE
OF BALANCED
HARDWARE

28A

MORTISE REQUIRED FOR
BALANCED HARDWARE
AT HEAD

28B

29

PULL SIDE
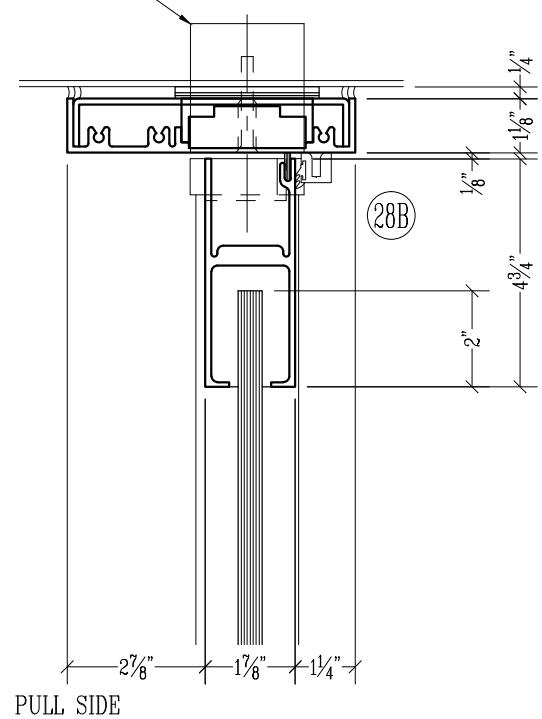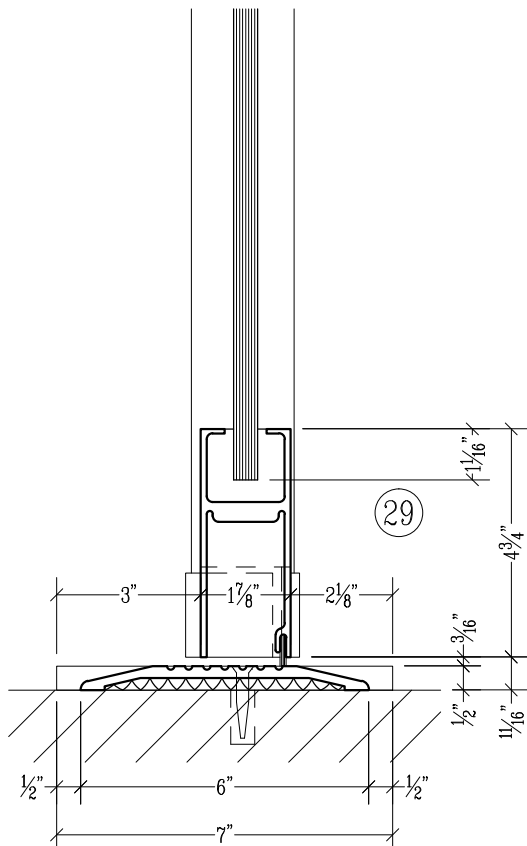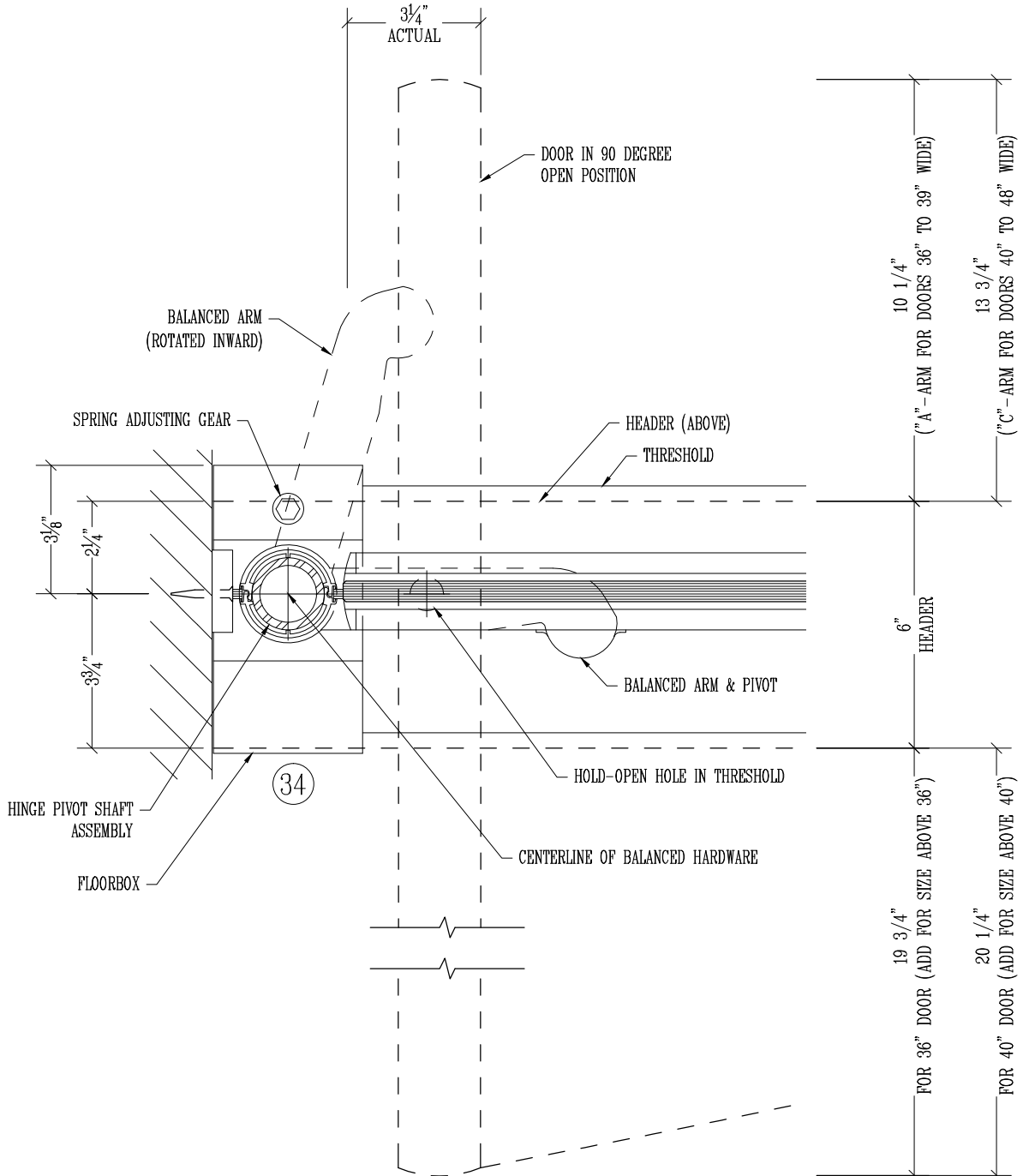
SCALE: 1/4" = 1"

Exposed Shafts (G-3 & 4)

NOTES:
1. Balanced hardware arm and door shown dotted, in the open position ("A" arm size shown).

DOOR IN 90 DEGREE
OPEN POSITION

BALANCED ARM
(ROTATED INWARD)

SPRING ADJUSTING GEAR

HEADER (ABOVE)

THRESHOLD

BALANCED ARM & PIVOT

HOLD-OPEN HOLE IN THRESHOLD

HINGE PIVOT SHAFT
ASSEMBLY

CENTERLINE OF BALANCED HARDWARE

FLOORBOX

3¼"
ACTUAL

("A"-ARM FOR DOORS 36" TO 39" WIDE) 10 1/4"

("C"-ARM FOR DOORS 40" TO 48" WIDE) 13 3/4"

6" HEADER

3⅛"
2¼"
3¾"

34

FOR 36" DOOR (ADD FOR SIZE ABOVE 36") 19 3/4"

FOR 40" DOOR (ADD FOR SIZE ABOVE 40") 20 1/4"

Extruded Aluminum
Tempered Glass Balanced Doors

Exposed Shafts (G-3 & 4)

TYPICAL FLOORBOX LAYOUT AT HINGE JAMB.

FLOORBOX WITH STANDARD 6" THRESHOLD

FLOORBOX WITH STANDARD HOLD-OPEN BOLT STRIKE (NO THRESHOLD)

LINE OF FINISHED FLOOR
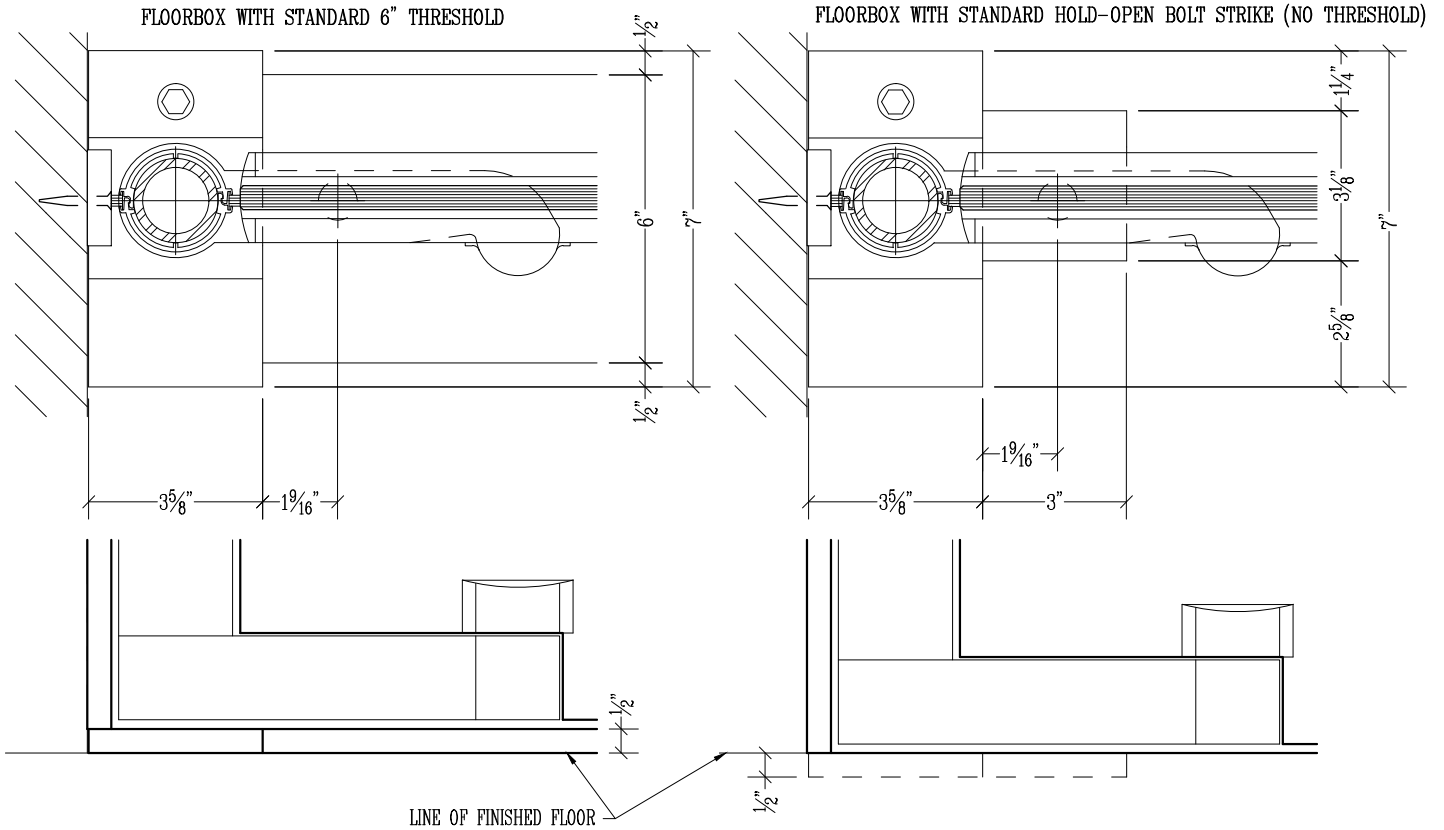
AVAILABLE THRESHOLD OPTIONS:
1. 1/2" x 6" Extruded thresholds are available in Aluminum (A), Bronze (B) and Nickel Silver (NS).
2. 1/2" x 6" Formed-up stainless steel or bronze saddle type threshold shown (formed-up type
   can be made in different sizes & profiles consult factory).

EXTRUDED SADDLE TYPE - A, B & NS

EXTRUDED SQUARE BACK TYPE -A, B & NS

EXTRUDED RAMP FRONT TYPE - B & NS

FORMED-UP SADDLE TYPE