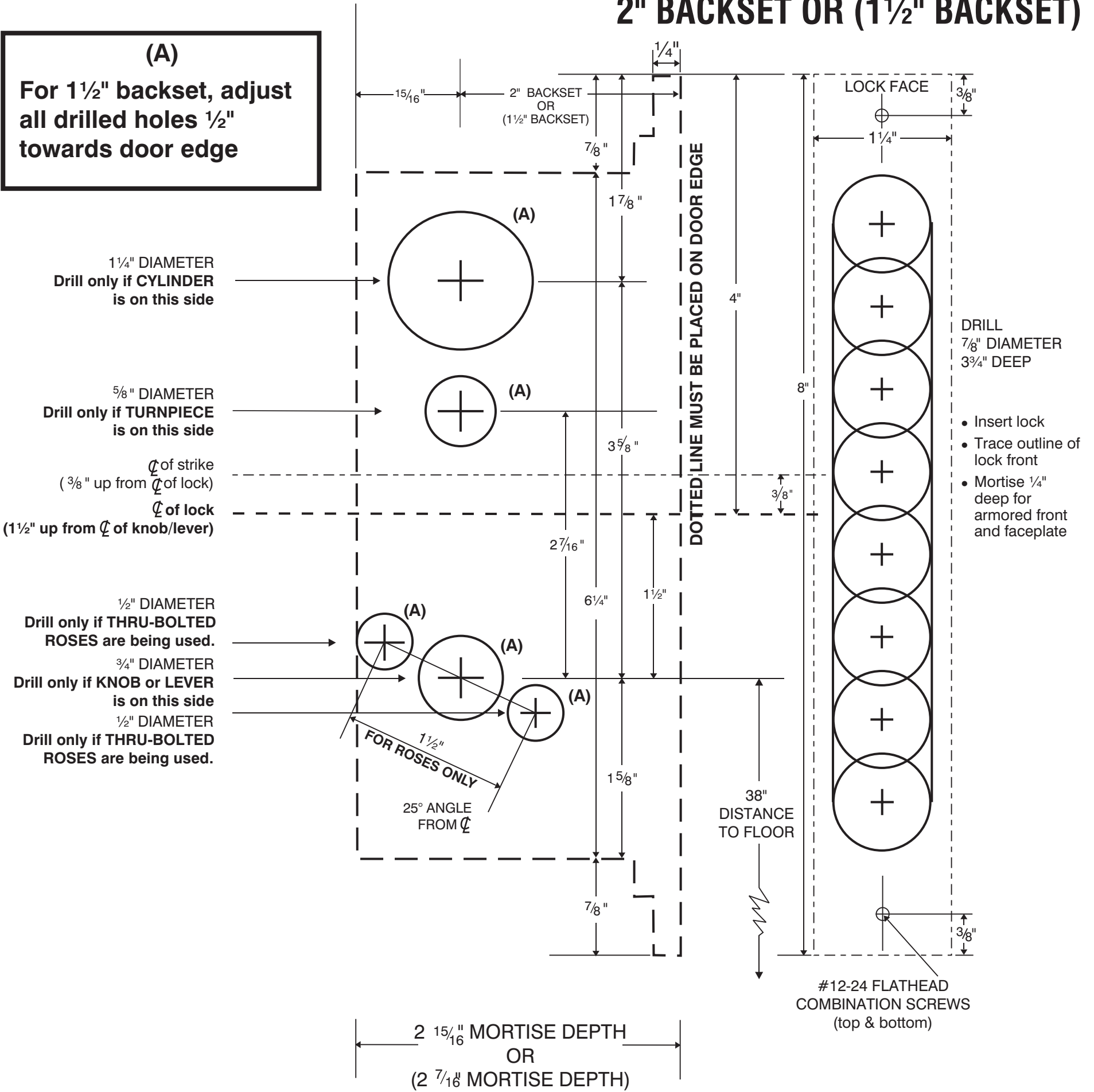


SEE OTHER SIDE  
FOR OPPOSITE TEMPLATE

# NARROW BACKSET LOCK 2" BACKSET OR (1½" BACKSET)

**(A)**  
**For 1½" backset, adjust  
all drilled holes ½"  
towards door edge**



## 2" OR (1½") NARROW BACKSET MORTISE LOCK INSTALLATION INSTRUCTIONS

### DOOR PREPARATION

- 1) Draw a horizontal line on both sides of the door at 38" above the finished floor.  
**NOTE:** If mortise for strike already exists in frame, locate horizontal line for knob/lever using strike mortise as a reference point. Go down 1 7/8" from the center line of the strike and mark the horizontal line of the knob/lever at this point. Our standard horizontal center line for the strike is 1 7/8" above the horizontal knob/lever line or 39 7/8" above the finished floor.
- 2) Draw a vertical line on both sides of the door 2" or (1½") back from edge of door. This will be the center line for the turnpiece, cylinder(s), knob/lever, and thru-bolts for backplates when used. (For 1½" backset, adjust all drilled holes (A) ½" towards door edge.)
- 3) Draw a vertical line on center of the door edge.
- 4) Locate vertical center line for strike by taking half the door thickness plus the thickness of silencers (if used). Use this dimension to locate the strike vertical center line from the doorstop molding.
- 5) Mark knob/lever, cylinder(s) and turnpiece positions to be drilled.

### MORTISING OF DOOR

- 1) Mortise door edge for lockbody at depth as indicated on template.
- 2) Insert lockbody into cavity and outline the lock armored front and mark lock mounting screw holes.
- 3) Mortise ¼" deep for the armored front and faceplate to be installed later. Also notch deeper or drill two cavities to allow the beveling screws to sit in.
- 4) Drill pilot holes for the lock mounting screws and all of the holes needed for cylinder(s), turnpiece, knobs/levers.
- 5) Using faceplate as a template, outline mortise to allow faceplate to fit snugly.
- 6) Using the strike as a template, align it on the marked center lines and outline strike and openings for deadbolt and latchbolt. Drill 1" deep for deadbolt and latch holes.
- 7) Mortise 3/32" deep for mortise strike.
- 8) Drill all of the required diameter holes as stated on the template for the cylinder(s), turnpiece, knobs/levers.

### INSTALLING LOCK AND STRIKE

- 1) Insert lockbody into cavity and secure to door using the two #12 screws.  
**DO NOT ATTACH FINISHED FACEPLATE AT THIS TIME.**
- 2) Place strike into strike mortise and attach it to frame using the two #12 combination screws.

### INSTALLING FINISHED TRIM

- 1) Install backplates at this point, just tighten the screws snugly to allow backplates to be aligned (backplate with turnpiece should be on the interior).
- 2) Insert cylinder at this time, but only tighten by hand.
- 3) Insert spindle with shoulder stop on the exterior. Be sure center of spindle aligns with the center of the lock. When shoulder stop sits flush against the outside hub of the lock, the spindle is properly aligned.
- 4) Place the washers provided into the holes in the backplates. Attach knobs/levers and tighten set screws. This will align backplates. Now fasten the backplate screws.
- 5) Tighten down cylinder, then tighten cylinder set screw through the lock front.
- 6) Attach lock faceplate using the faceplate screws provided.
- 7) Adjust knobs/levers to turn freely and tighten set screws.



CEDAR GROVE, NJ 07009  
**OMNIA INDUSTRIES, INC.**



# NARROW BACKSET LOCK

## 2" BACKSET OR (1½" BACKSET)

SEE OTHER SIDE  
FOR OPPOSITE TEMPLATE

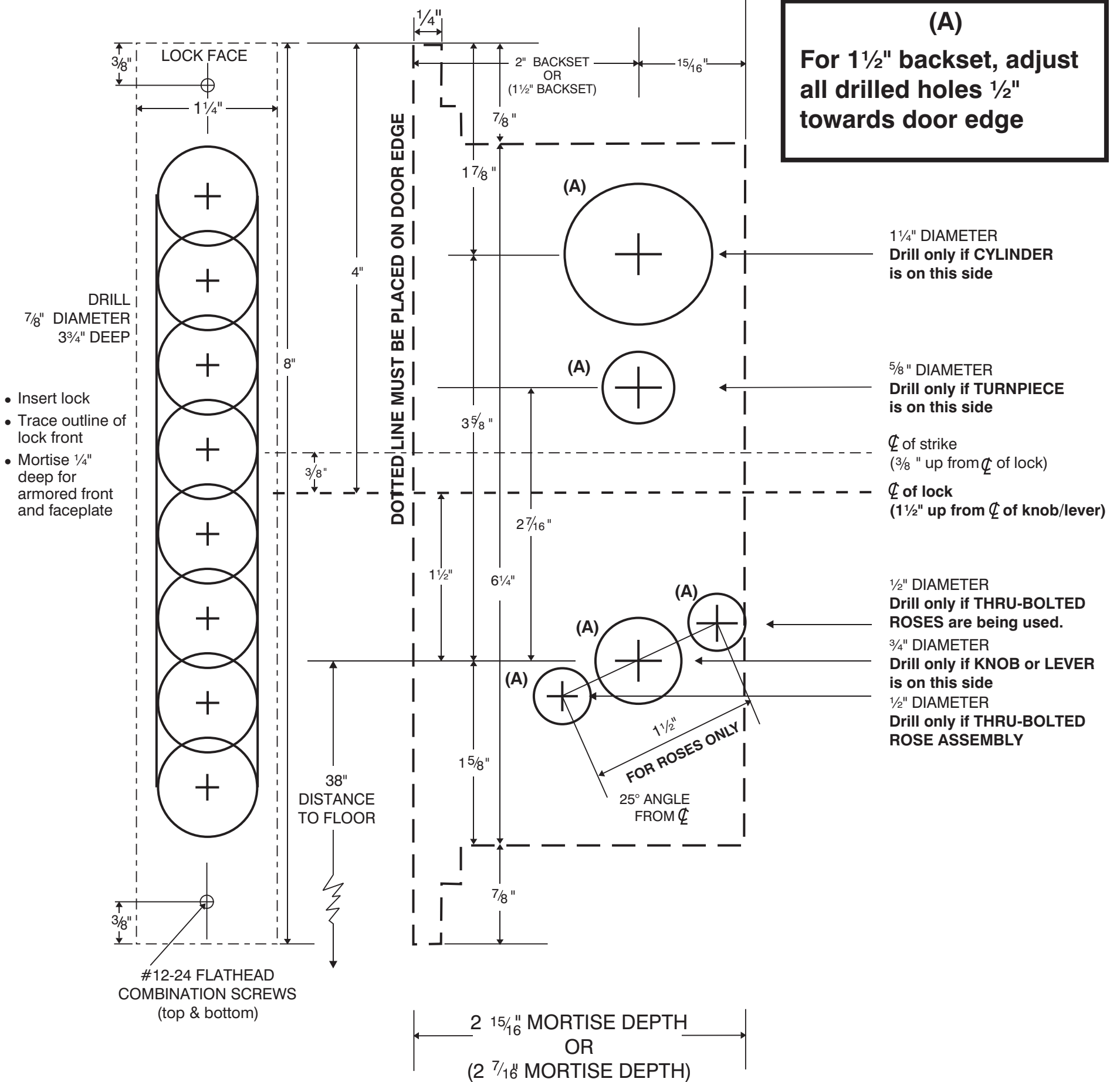


DIAGRAM #1

### MORTISE STRIKE INSTALLATION INSTRUCTIONS

- 1) Locate center line of strike by taking the center line of the mortise lock case and going up 3/8" and making a line on the jamb.
- 2) Position the center line of the strike onto the line and using the strike as a guide trace the edge of the strike.
- 3) Mortise the jamb 3/32" deep for the strike.
- 4) When box strike **is used** a minimum of 1" mortise depth is needed.
- 5) When box strike is **not used** be sure to mortise deep enough to allow the latchbolt and deadbolt to fully extend.

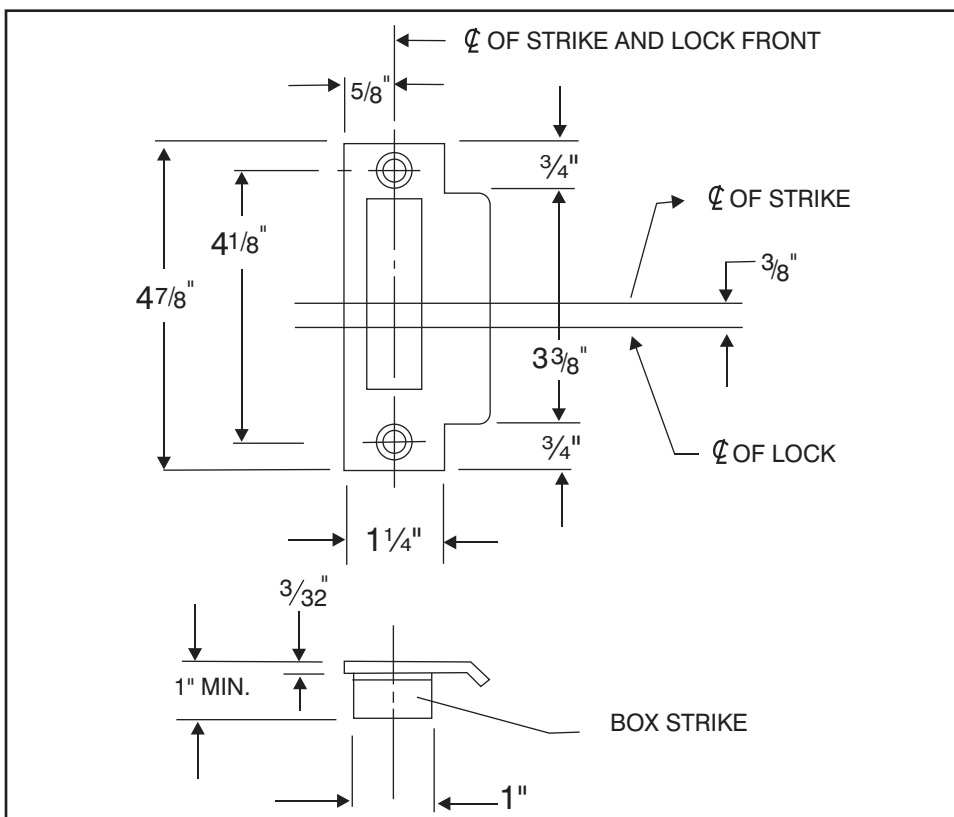


DIAGRAM #2

### FUNCTION HOLES TO DRILL

Function	Cyl. Hole outside	Cyl. Hole 2 sides	Turnpiece inside	Knob hole 2 sides	Cam type
A	X		X	X	C
AC		X		X	C
B	X		X	X	C
BAC		X		X	C
L			Both Sides	X	
N				X	
PD					
SD					

Key: C = Cloverleaf S = Straight Cam



CEDAR GROVE  
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Rev. 7/27/04