

UC-NRLF



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DETAILS
TO WHICH
STANDARD HARDWARE
CAN BE APPLIED



DETAILS

TO WHICH

STANDARD HARDWARE

CAN BE APPLIED

DETAILS
TO WHICH
STANDARD HARDWARE
CAN BE APPLIED

XB
6
13277

60969817

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W. R. Hill, Trustee.

Drawings prepared by Frank M. Snyder, Architect,
New York.

RUSH SPECIAL
CLASS 1 2
~~PB 1/4BD BUCK~~
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ENVIRONMENTAL

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FOREWORD

THROUGH long study of the requirements of Architects in reference to Builders' Hardware and Locks, certain standards of size and spacing have been established and recognized by Architects and adopted by Manufacturers.

They have felt the necessity for a series of easy reference details, clearly fixing the dimensions to which Standard Hardware can be applied, and it is with the view and desire of co-operating with Architects to the end of a quicker, less expensive and more satisfactory service, that, after a great deal of care and consideration, this book has been issued.

The information given covers the minimum requirements for hardware for the various types of doors and windows that have become standard in the class of work in which they are used. It is not intended to suggest any architectural or constructional design; the sole purpose being to fix required dimensions.

THE FOLLOWING ARE
THE HARDWARE MANUFACTURERS
UNDER WHOSE AUSPICES
THESE DETAILS ARE ISSUED

Barrows Lock Co., Lockport, Ill.
Chantrell Hardware and Tool Co., Reading, Pa.
P. and F. Corbin, New Britain, Conn.
The Lockwood Mfg. Co., South Norwalk, Conn.
Norwalk Lock Co., South Norwalk, Conn.
The Peck, Stow and Wilcox Co., Cleveland, O.
Penn Hardware Co., Reading, Pa.
Russell and Erwin Mfg. Co., New Britain, Conn.
Sager Lock Co., North Chicago, Ill.
Sargent and Company, New Haven, Conn.
The Taylor and Boggis Foundry Co., Cleveland, O.
The Yale and Towne Mfg. Co., New York.

THOMAS F. NOLAN, F. A. I. A.
PROFESSOR OF ARCHITECTURAL CONSTRUCTION
UNIVERSITY OF PENNSYLVANIA
PHILADELPHIA

As Chairman of the Committee on Materials and Methods of the American Institute of Architects, I am glad to have this opportunity of expressing approval of this much desired publication.

Yours very truly,

Thomas Nolan

Professor Nolan also approved the size of these plates, it being in accordance with the recommendation of The American Institute of Architects.

DETAILS FOR STANDARD HARDWARE

SINGLE ENTRANCE AND VESTIBULE DOORS

WITH FLAT FRONTS: NOT BEVELED

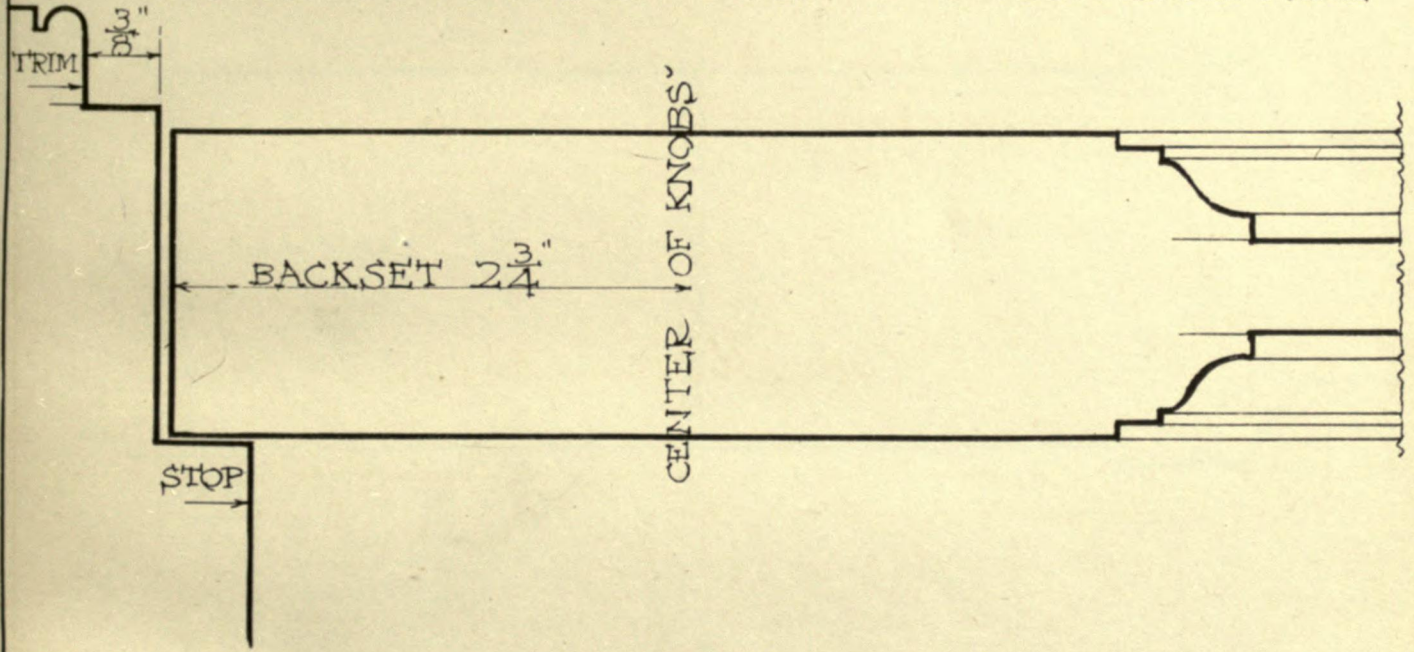
USING CYLINDER OR BITTED KEY LOCKS

REGULAR BACKSET $2\frac{3}{4}$ "

FLAT FRONT LOCKS WITH $2\frac{3}{4}$ " BACKSETS
ARE USUALLY CARRIED IN STOCK

CYLINDER LOCKS MAY BE HAD IN OTHER BACKSETS
ON SPECIAL ORDER: AT AN ADDITIONAL PRICE

FOR THICKER DOORS LOCKS WITH BEVELED FRONTS
MAY BE HAD ON SPECIAL ORDER AT AN ADDITIONAL PRICE



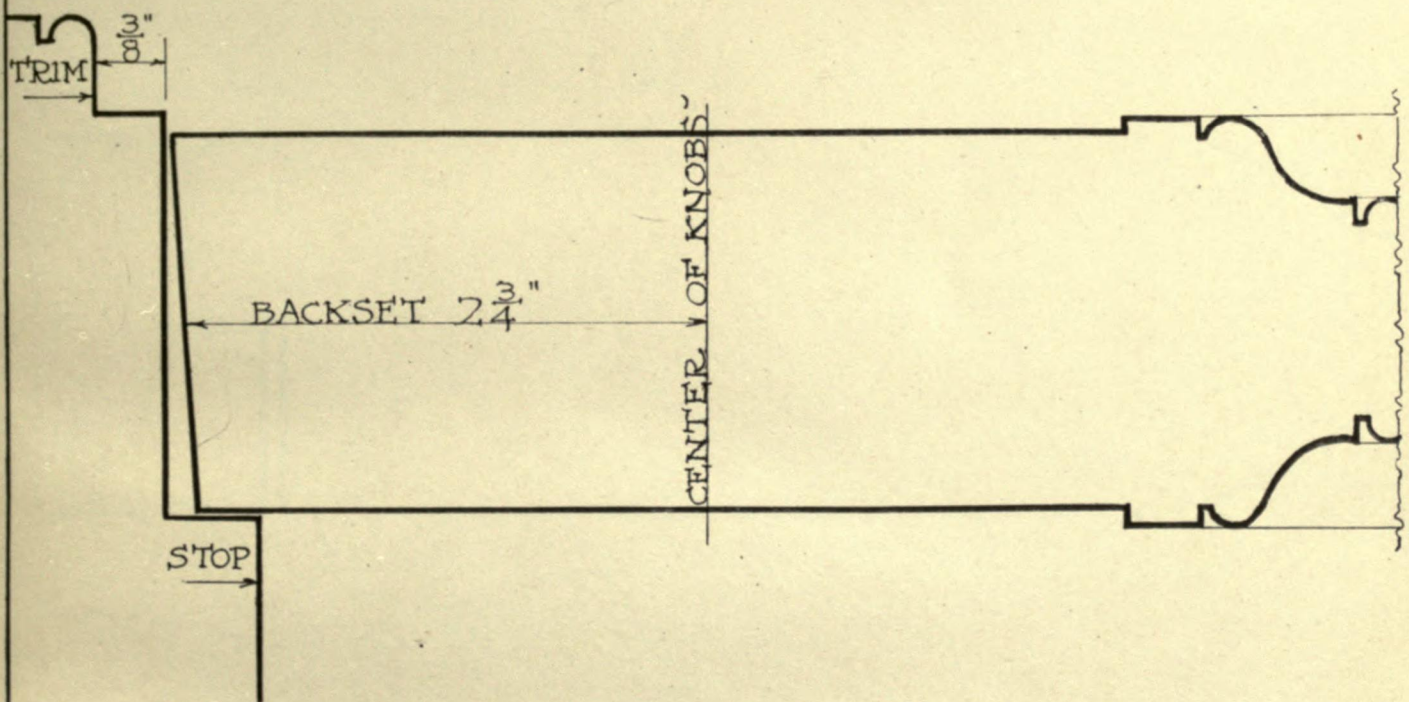
DRAWING IS FULL SIZE

PLATE NO 1

DETAILS FOR STANDARD HARDWARE

SINGLE ENTRANCE AND VESTIBULE DOORS^o
WITH BEVELED FRONT^o
USING CYLINDER LOCK^o
FRONT BEVELED $\frac{1}{8}$ " IN 2"^o

REGULAR BACKSET $2\frac{3}{4}$ "^o
OTHER BACKSETS MAY BE HAD ON SPECIAL ORDER^o
AT AN ADDITIONAL PRICE^o



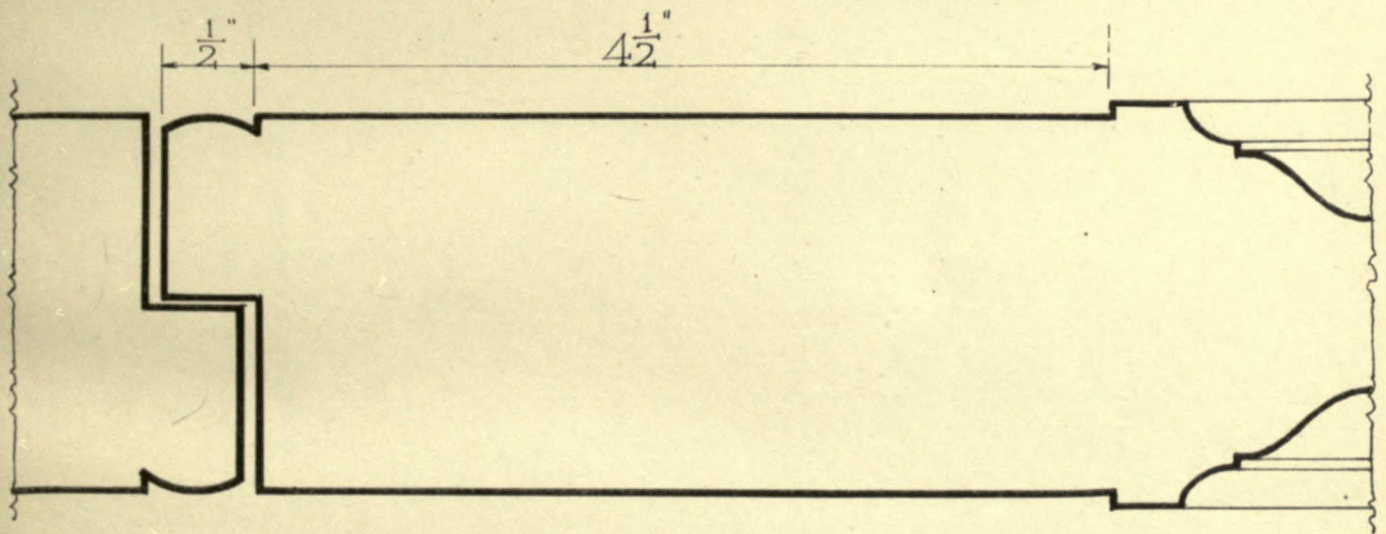
DRAWING IS FULL SIZE^o

PLATE NO^o 2^o

DETAILS FOR STANDARD HARDWARE

DOUBLE ENTRANCE AND VESTIBULE DOORS^o
WITH RABBETED MEETING STILES^o
USING CYLINDER LOCK^o

FOR LOCKS WITH STANDARD BACKSETS^o
STILES SHOULD BE NOT LESS THAN
 $4\frac{1}{2}$ " ON NARROW SIDE^o



DRAWING IS FULL SIZE^o

PLATE NO^o 3^o

DETAILS FOR STANDARD HARDWARE

DOUBLE ENTRANCE AND VESTIBULE DOORS

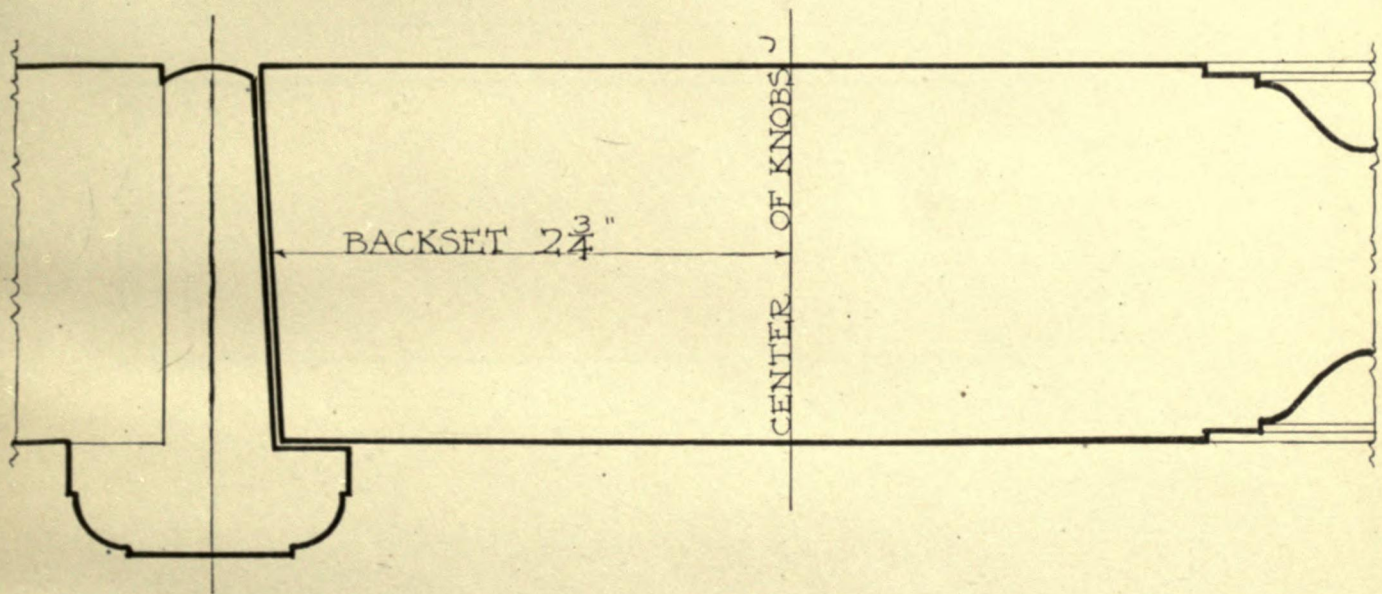
WITH FLAT ASTRAGAL MEETING STILES

USING CYLINDER LOCK

FRONT BEVELED $\frac{1}{8}$ " IN 2"

REGULAR BACKSET $2\frac{3}{4}$ "

OTHER BACKSETS MAY BE HAD ON SPECIAL ORDER
AT AN ADDITIONAL PRICE



DRAWING IS FULL SIZE

PLATE NO 4

DETAILS FOR STANDARD HARDWARE

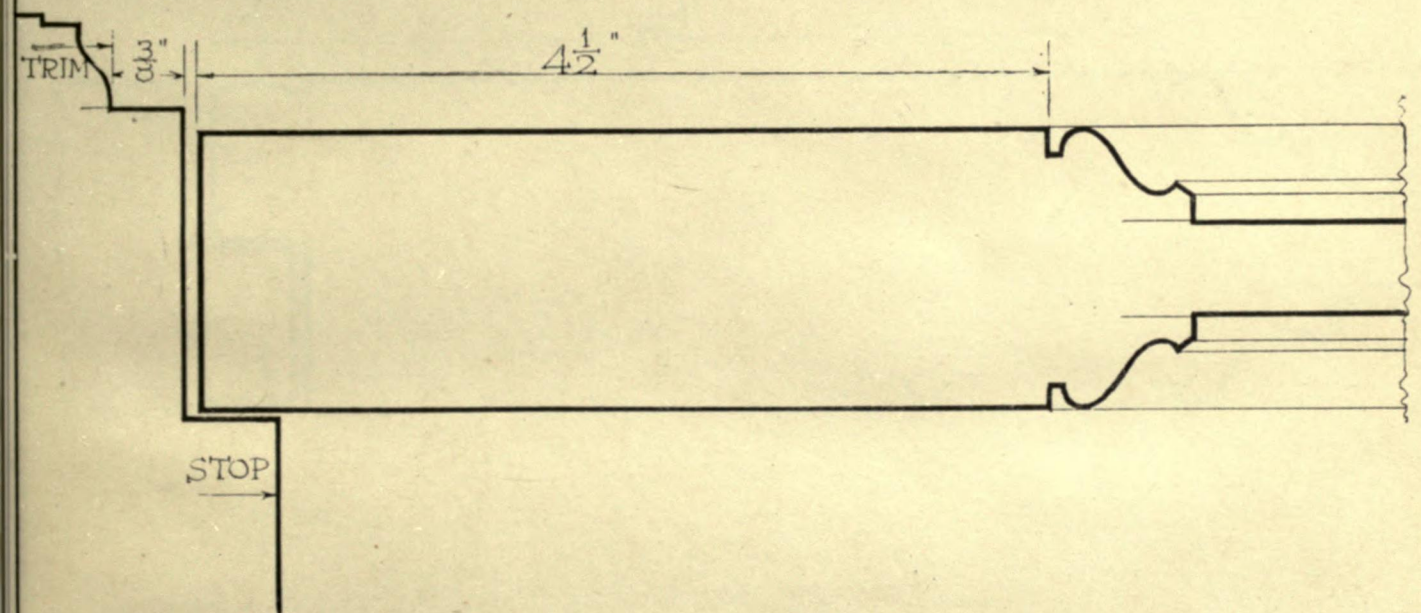
SINGLE INTERIOR DOOR

WITH FLAT FRONT - NOT BEVELED

USING BITTED KEY LOCK

FOR LOCKS WITH STANDARD BACKSETS
STILES SHOULD BE NOT LESS THAN $4\frac{1}{2}$ "

FOR THICKER DOORS - LOCKS WITH BEVELED FRONTS
MAY BE HAD ON SPECIAL ORDER AT AN ADDITIONAL PRICE



DRAWING IS FULL SIZE

PLATE NO 5

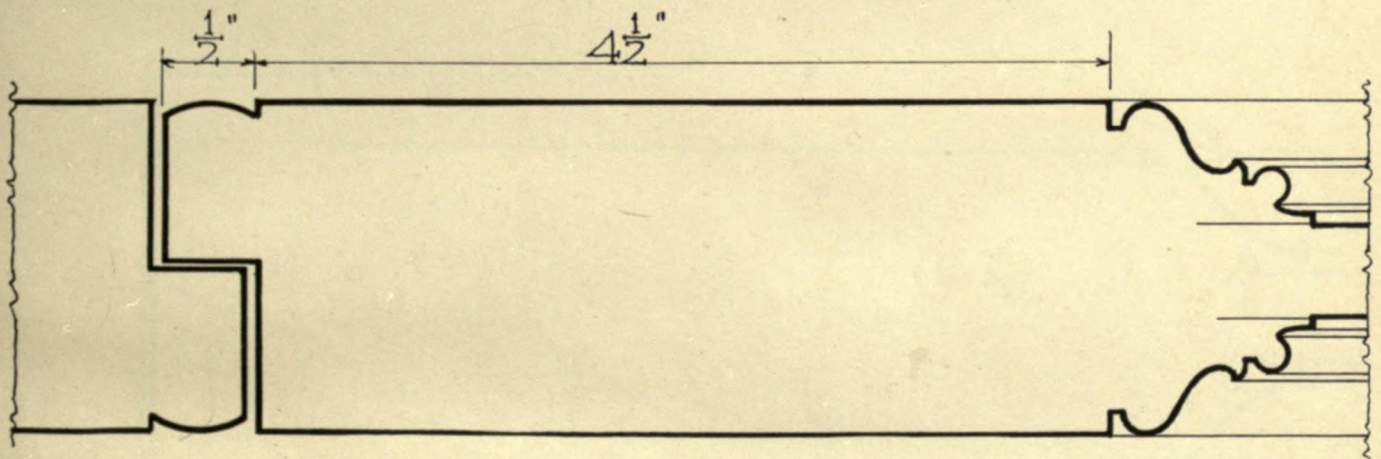
DETAILS FOR STANDARD HARDWARE

DOUBLE INTERIOR DOORS °

WITH RABBETED MEETING STILES °

USING BITTED KEY LOCK °

FOR LOCKS WITH STANDARD BACKSETS °
STILES SHOULD BE NOT LESS THAN
 $4\frac{1}{2}$ " ° ON NARROW SIDE °



DRAWING IS FULL SIZE °

PLATE NO ° 6 °

DETAILS FOR STANDARD HARDWARE

DOUBLE INTERIOR DOORS

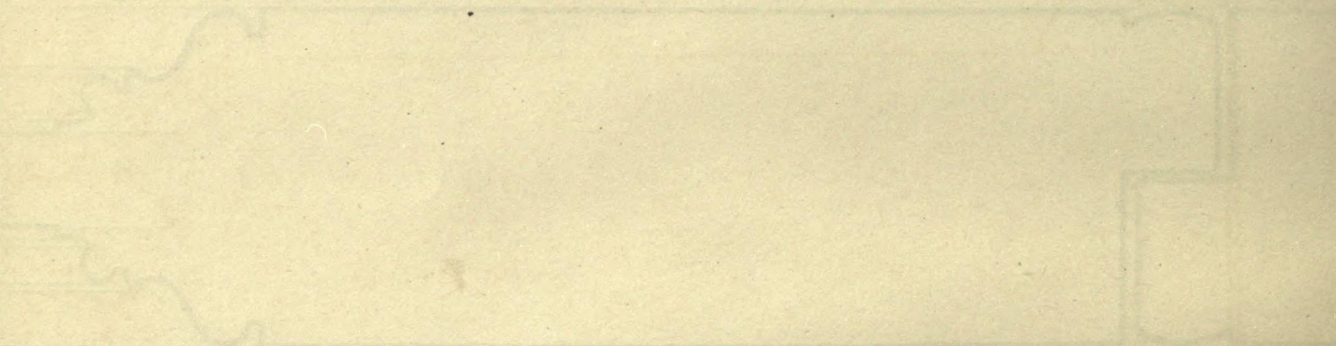
WITH REBATED MOLDING

AND REBATED

WITH STAINLESS

STEEL

FINISH



FINISH TO FULL SET

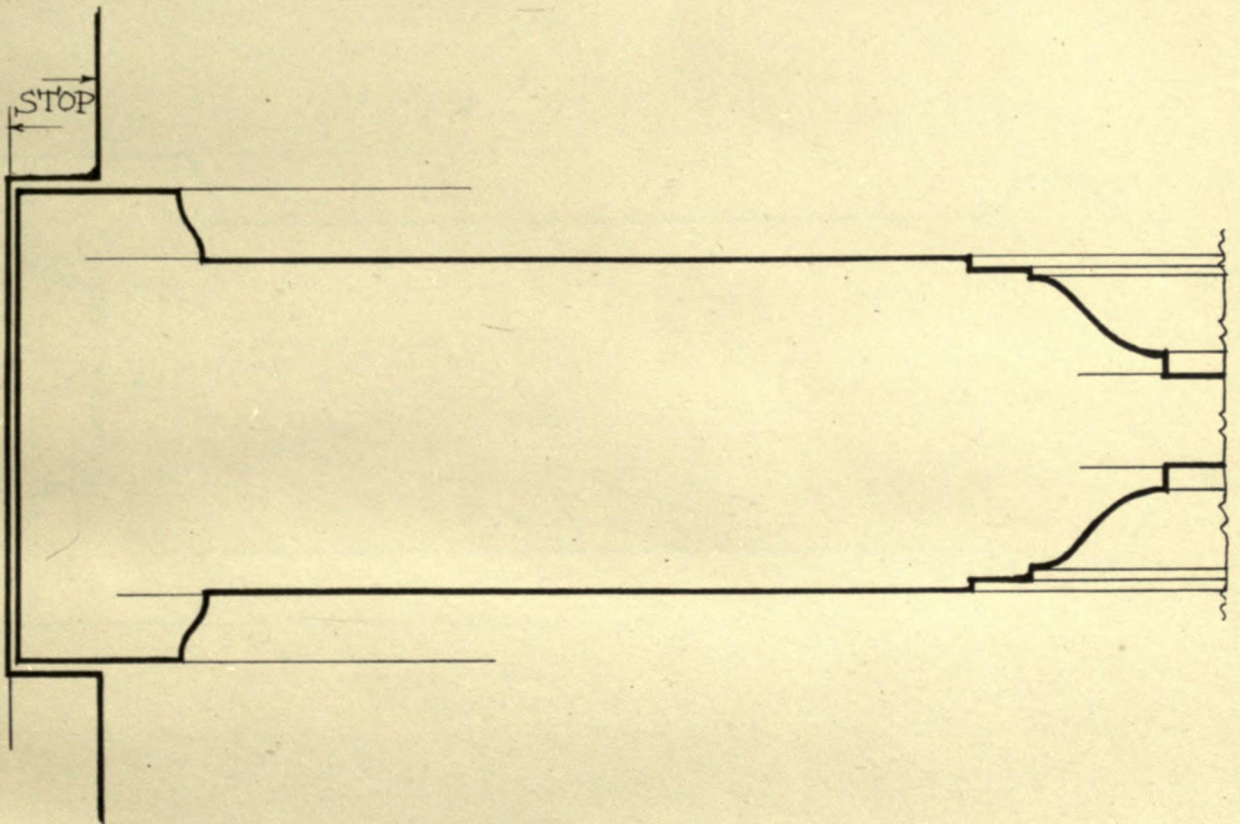
PLATE NO. 5

DETAILS FOR STANDARD HARDWARE

SINGLE SLIDING DOOR

WITH FLAT FRONT

THE STILE AS SHOWN IS SUITABLE
FOR LOCK WITH STANDARD BACKSET



DRAWING IS FULL SIZE

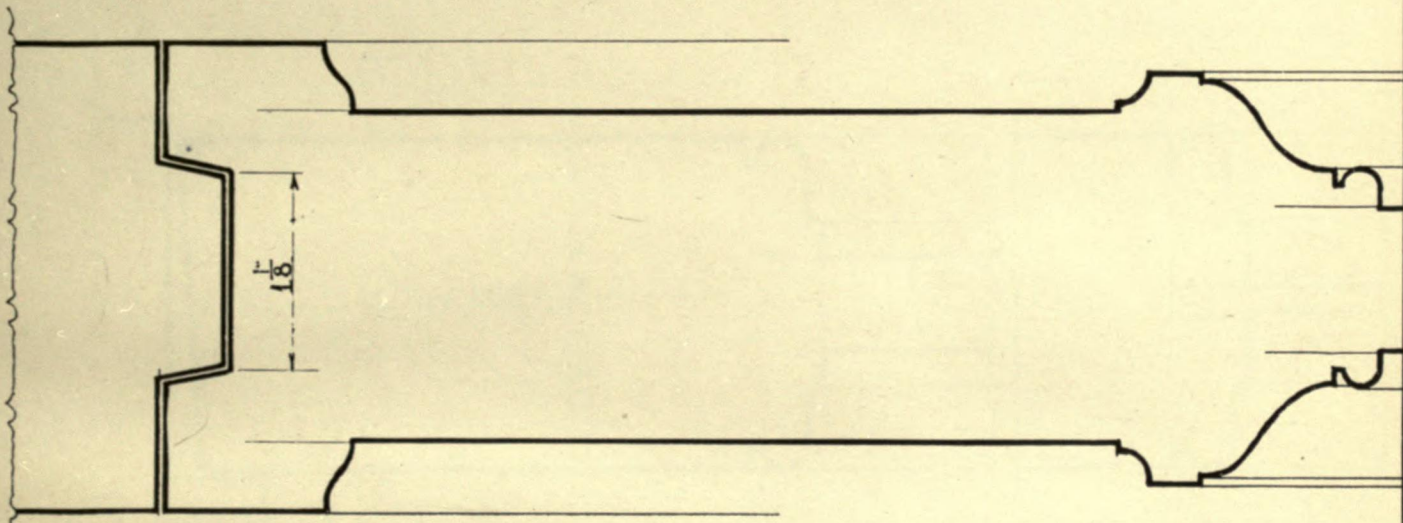
PLATE NO 7

DETAILS FOR STANDARD HARDWARE

DOUBLE SLIDING DOORS

WITH FLAT ASTRAGAL MEETING STILES

THE STILE, AS SHOWN, IS SUITABLE
FOR LOCK WITH STANDARD BACKSET



DRAWING IS FULL SIZE

PLATE NO 8

DETAILS FOR STANDARD HARDWARE

SINGLE NARROW STILE DOOR

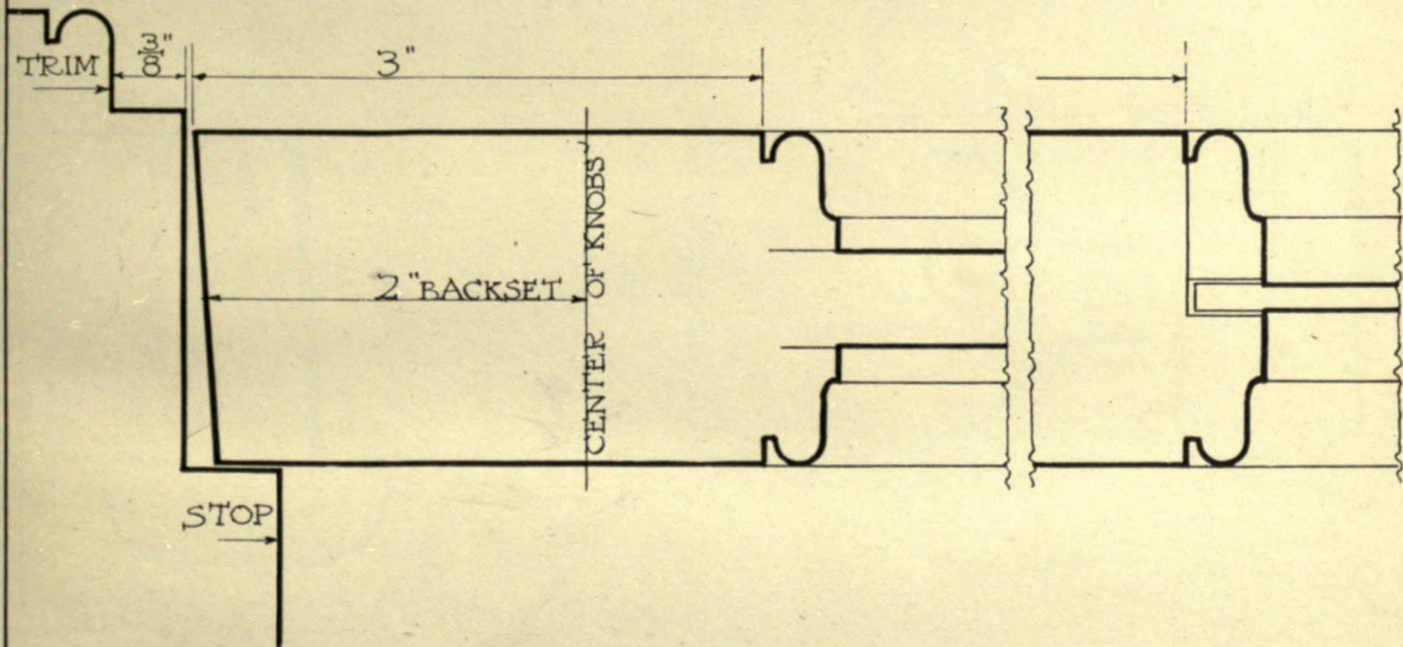
WITH BEVELED FRONT

USING CYLINDER LOCK
FRONT BEVELED $\frac{1}{8}$ " IN 2"

REGULAR BACKSET 2"

THE STILES SHOULD BE NOT LESS THAN 3"

NARROWER BACKSETS MAY BE HAD ON SPECIAL
ORDER AT AN ADDITIONAL PRICE

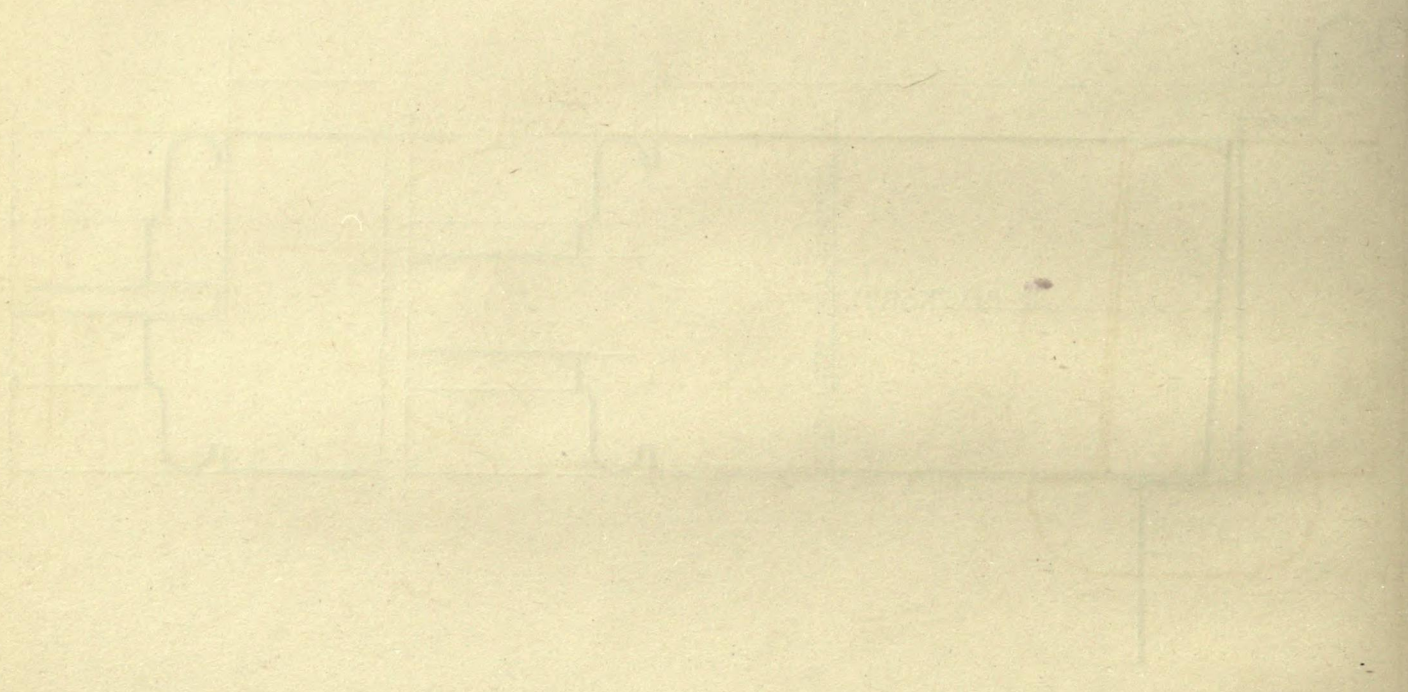


DRAWING IS FULL SIZE

PLATE NO 9

DETAILS FOR STANDARD HARDWARE

STEEL MASONRY STUD DOOR
WITH REINFORCED
CONCRETE MASONRY
TO BE SET IN A
REINFORCED CONCRETE
FOUNDATION
THE DOOR SHALL BE
CONSTRUCTED OF
STEEL AND SHALL
BE SET IN A
REINFORCED CONCRETE
FOUNDATION



SECTION THROUGH DOOR

SECTION

DETAILS FOR STANDARD HARDWARE

DOUBLE NARROW STILE DOORS

WITH FLAT ASTRAGAL MEETING STILES

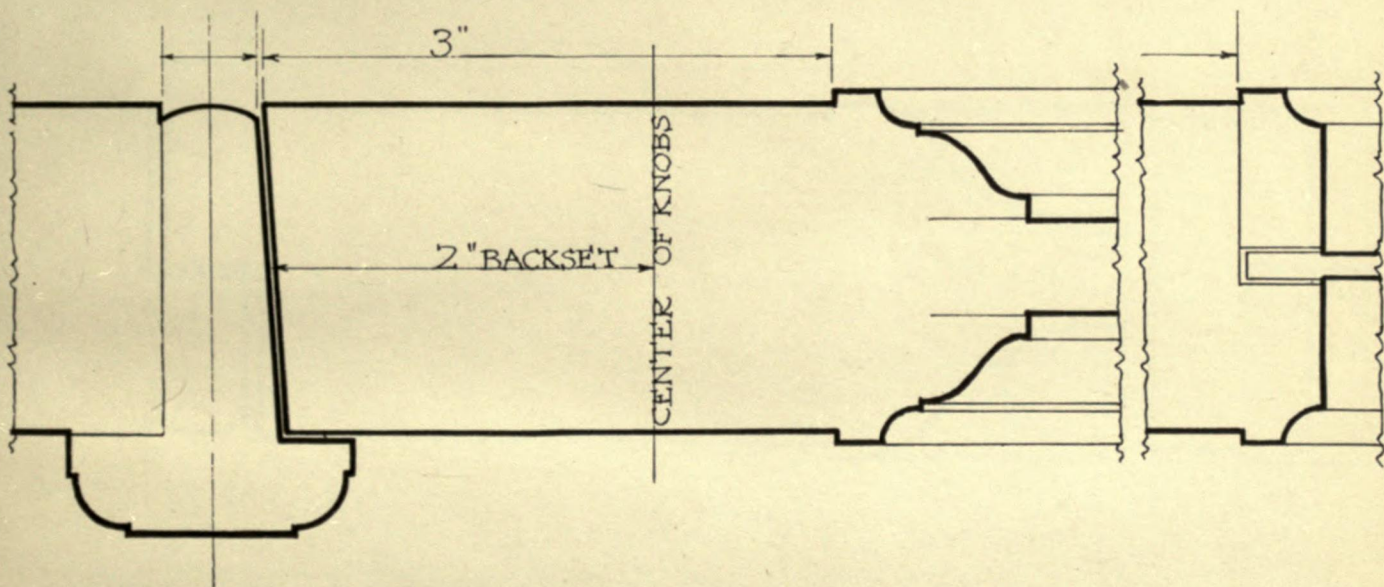
USING CYLINDER LOCK

FRONT BEVELED $\frac{1}{8}$ " IN 2"

REGULAR BACKSET 2"

THE STILES SHOULD BE NOT LESS THAN 3"

NARROWER BACKSETS MAY BE HAD ON SPECIAL ORDER AT AN ADDITIONAL PRICE



DRAWING IS FULL SIZE

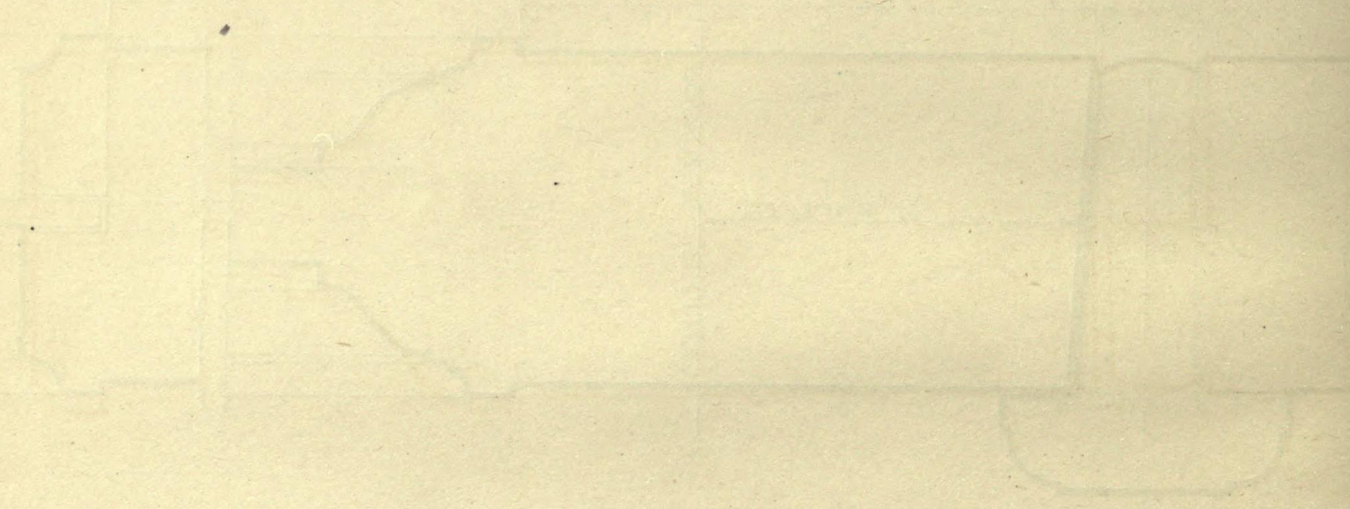
PLATE NO 10

DETAILS FOR STANDARD HALLOWAY

DOUBLE HOLLOW STILE DOORS

WITH 1 1/2" HOLLOW STILES

SECTION



SECTION

SECTION

DETAILS FOR STANDARD HARDWARE

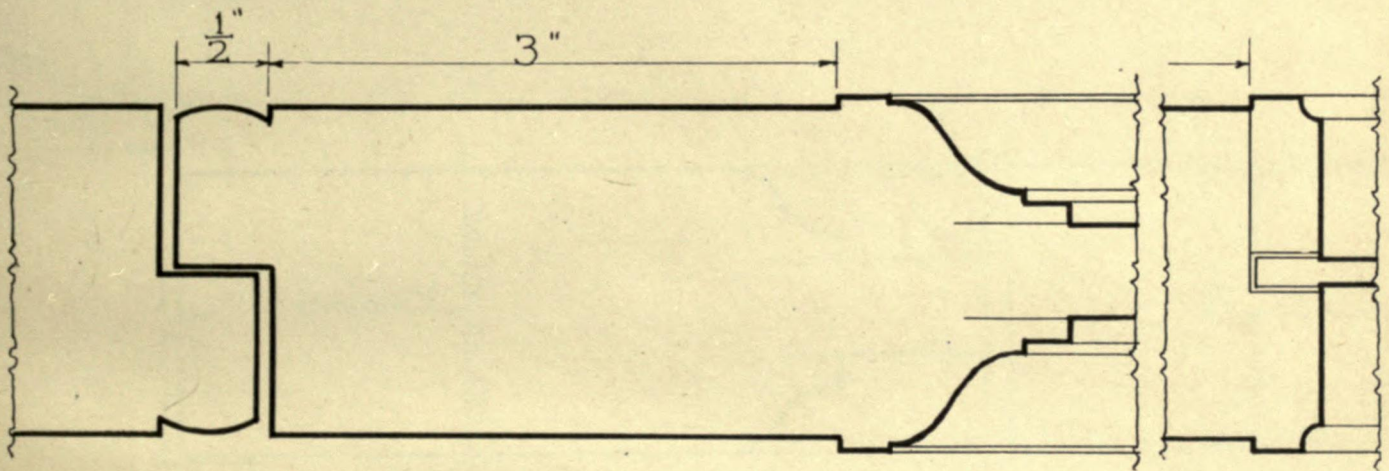
DOUBLE NARROW STILE DOORS ~

WITH RABBETED MEETING STILES ~

USING CYLINDER LOCK ~

THE STILES SHOULD BE NOT LESS THAN 3" ~
ON NARROW SIDE ~

LOCKS FOR NARROWER STILES MAY BE HAD ON
SPECIAL ORDER ~ AT AN ADDITIONAL PRICE ~



DRAWING IS FULL SIZE ~

PLATE NO "11" ~

DETAILS FOR STANDARD HARDWARE

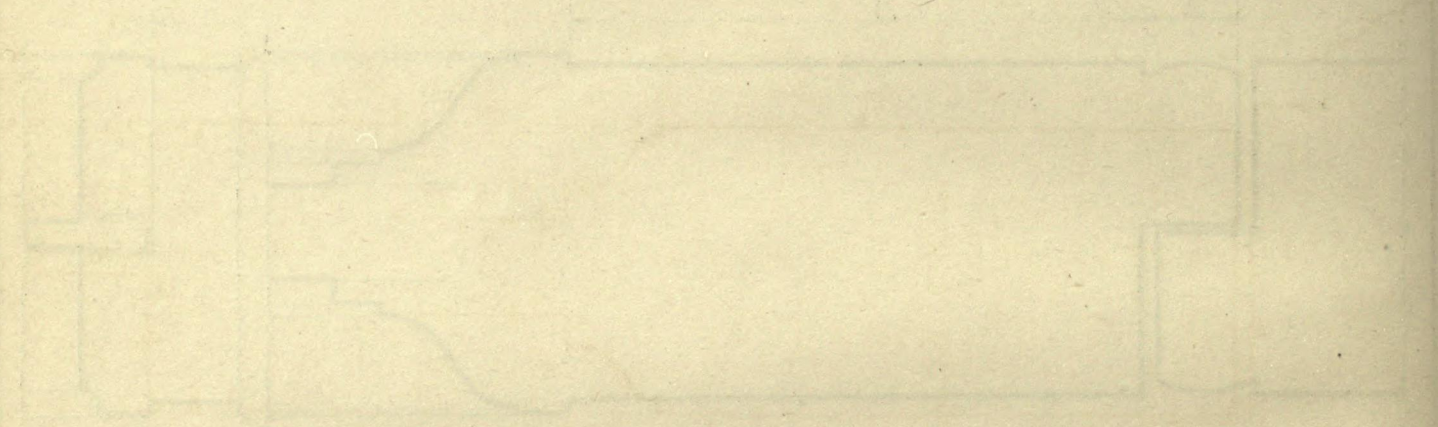
DOUBLE NARROW SLIT DOORS

WITH MOUNTING BRACKET

FOR WALL MOUNTING

SEE DRAWING FOR DETAILS

THIS DRAWING IS FOR INFORMATION ONLY
AND IS NOT TO BE USED FOR CONSTRUCTION



SEE DRAWING FOR DETAILS

SEE DRAWING FOR DETAILS

DETAILS FOR STANDARD HARDWARE

SINGLE NARROW STILE DOOR

WITH FLAT FRONT - NOT BEVELED

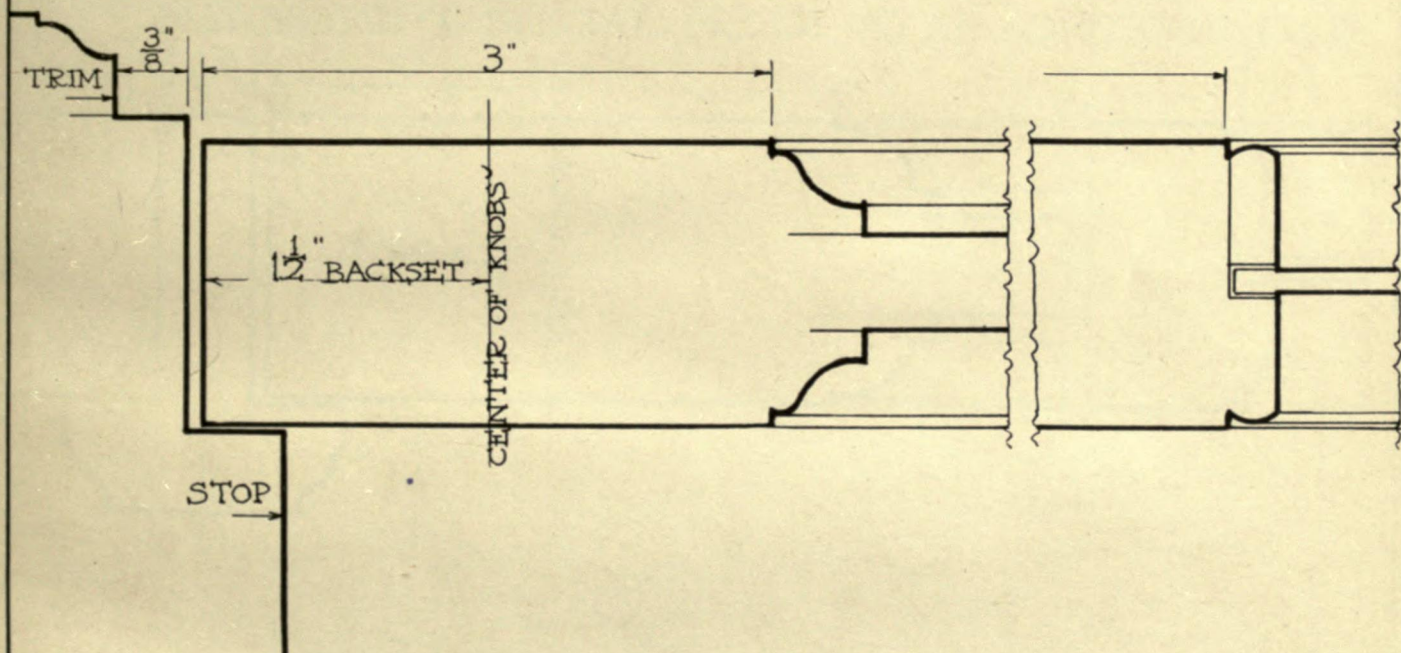
USING BITTED KEY LOCK

REGULAR BACKSET $\frac{1}{2}$ "

THE STILES SHOULD BE NOT LESS THAN 3"

OTHER BACKSETS MAY BE HAD ON SPECIAL ORDER - AT AN ADDITIONAL PRICE

FOR THICKER DOORS - LOCKS WITH BEVELED FRONTS - MAY BE HAD ON SPECIAL ORDER - AT AN ADDITIONAL PRICE



DRAWING IS FULL SIZE

PLATE NO 12

DETAILS FOR STANDARD HARDWARE

DOUBLE NARROW STILE DOORS

WITH FLAT ASTRAGAL MEETING STILES

USING BITTED KEY LOCK

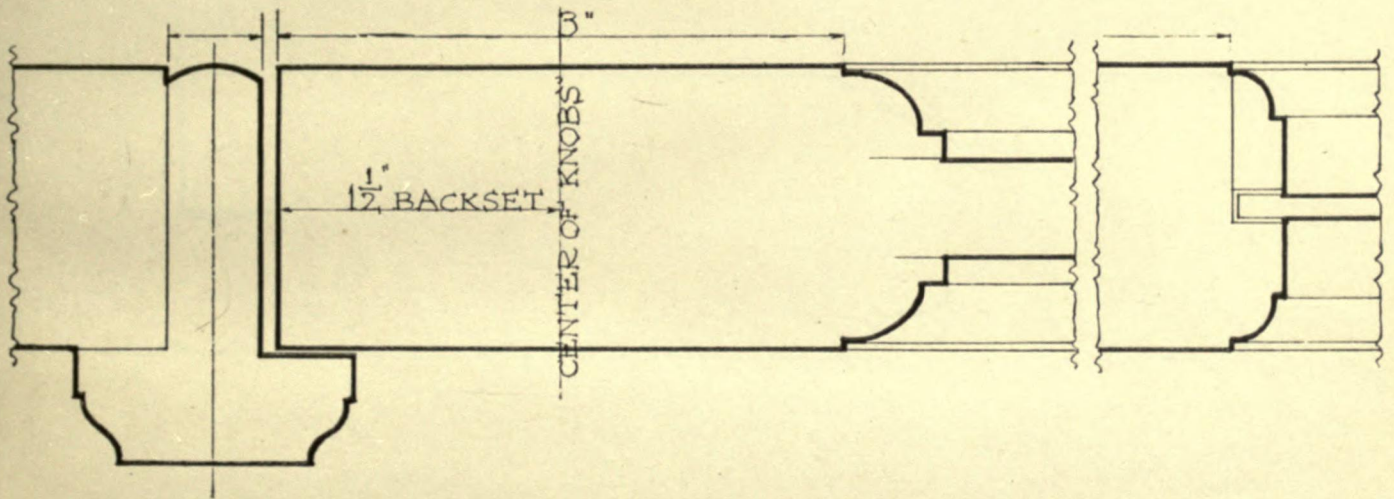
WITH FLAT FRONT NOT BEVELED

REGULAR BACKSET $1\frac{1}{2}$ "

THE STILES SHOULD BE NOT LESS THAN 3"

OTHER BACKSETS MAY BE HAD ON SPECIAL ORDER AT AN ADDITIONAL PRICE

FOR THICKER DOORS LOCKS WITH BEVELED FRONTS MAY BE HAD ON SPECIAL ORDER AT AN ADDITIONAL PRICE



DRAWING IS FULL SIZE

PLATE NO 13

DETAILS FOR STANDARD HARDWARE

DOUBLE HARMON, STILL DOORS

SEE THE FOLLOWING DRAWINGS FOR

DETAILS OF HARDWARE

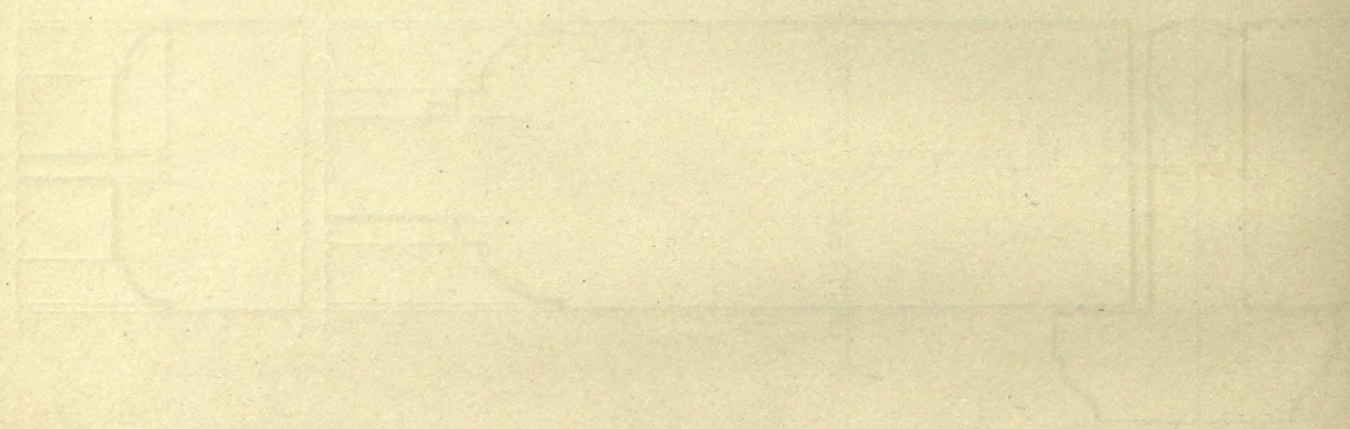


PLATE 310 B

DETAILS FOR STANDARD HARDWARE

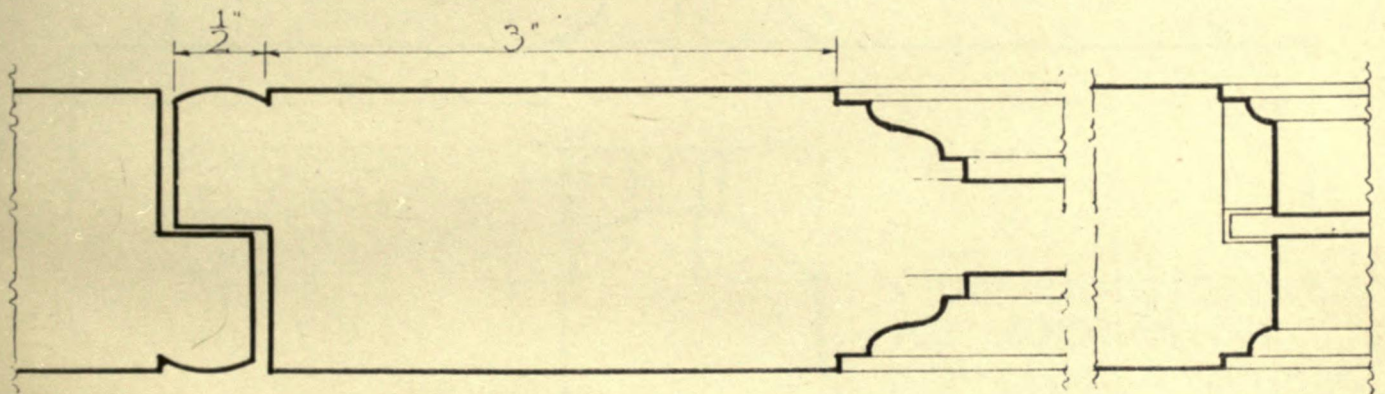
DOUBLE NARROW STILE DOORS

WITH RABBETED MEETING STILES

USING BITTED KEY LOCK

THE STILES SHOULD BE NOT LESS THAN 3" ON NARROW SIDE

LOCKS FOR NARROWER STILES MAY BE HAD ON SPECIAL ORDER AT AN ADDITIONAL PRICE



DRAWING IS FULL SIZE

PLATE NO 14

DETAILS FOR STANDARD HARDWARE

DETAILS FOR STANDARD HARDWARE

DETAILS FOR STANDARD HARDWARE

SINGLE CASEMENT SASH OPENING IN
USING RIM OR MORTISE CASEMENT FASTENER
OR TURNBUCKLE AND ADJUSTER

FOR SASH NOT OVER 4'0" HIGH

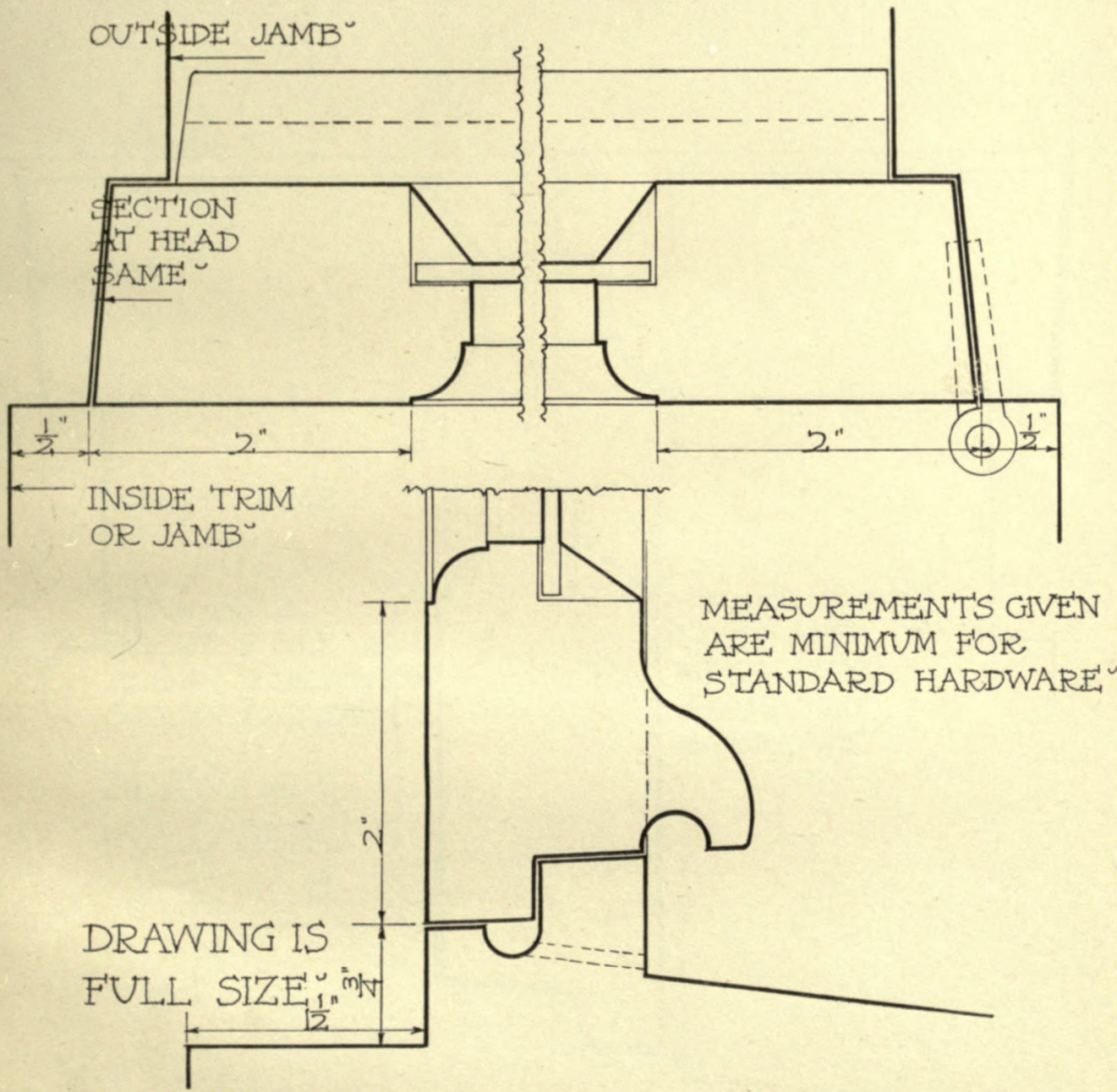


PLATE NO 15

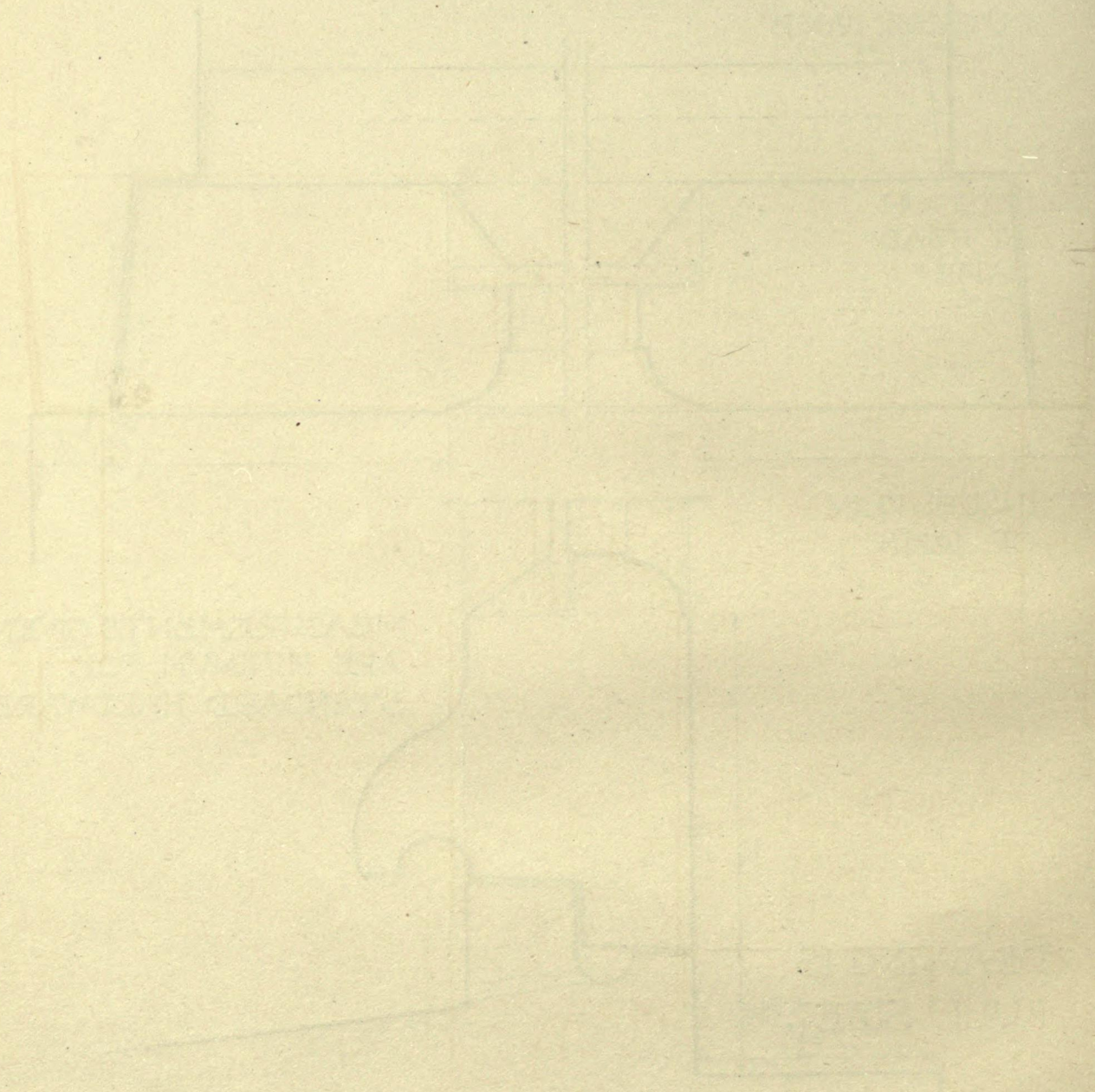
DETAILS FOR STANDARD HARDWARE

EDGE OF CASEMENT EACH OPPOSITE END

FOR THE WEIGHT OF CASEMENT HARDWARE

FOR THE WEIGHT OF CASEMENT HARDWARE

FOR THE WEIGHT OF CASEMENT HARDWARE



DETAILS FOR STANDARD HARDWARE

SINGLE CASEMENT SASH OPENING OUT
USING RIM OR MORTISE CASEMENT FASTENER
OR TURNBUCKLE AND ADJUSTER

FOR SASH NOT OVER 4'0" HIGH

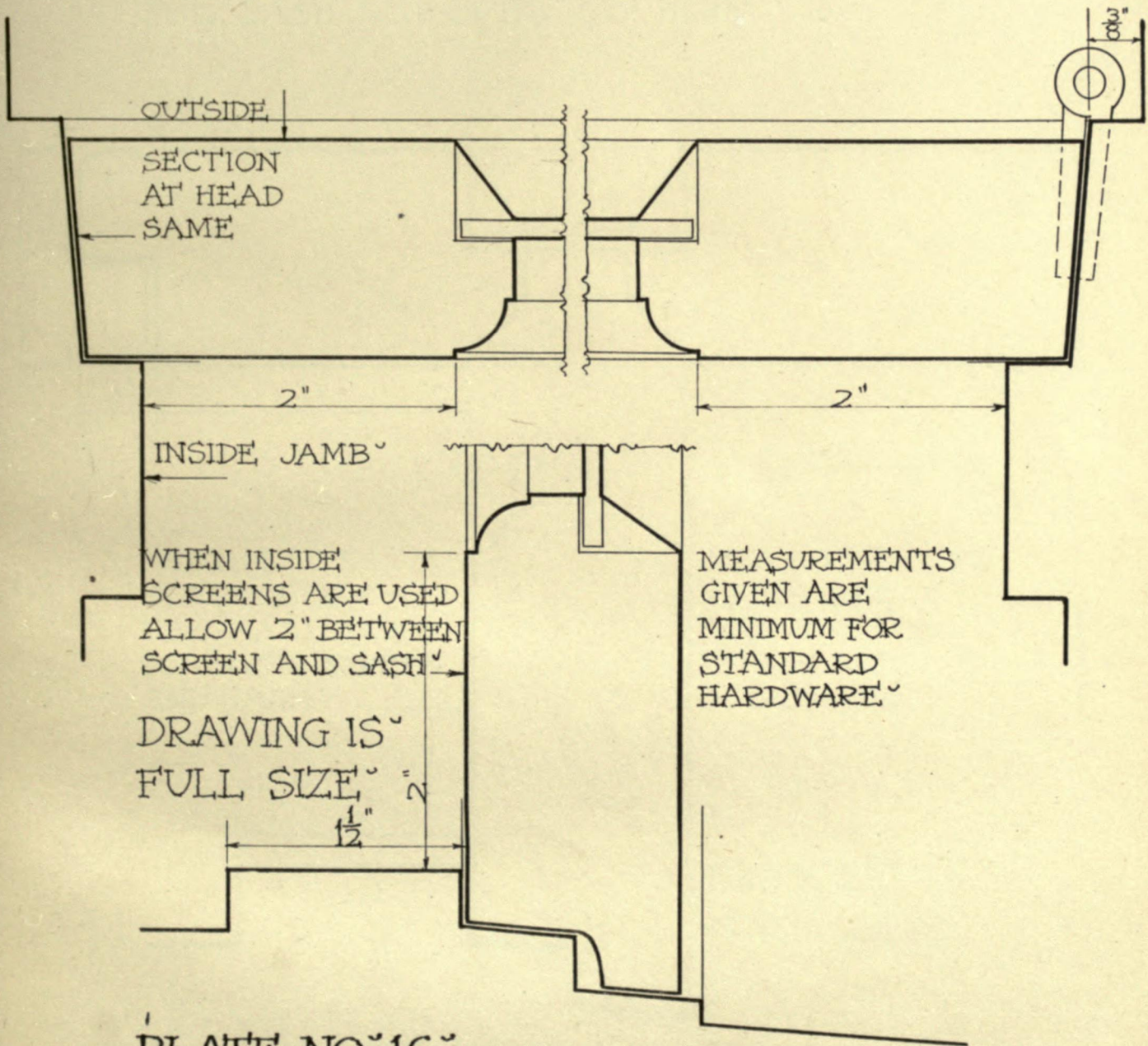
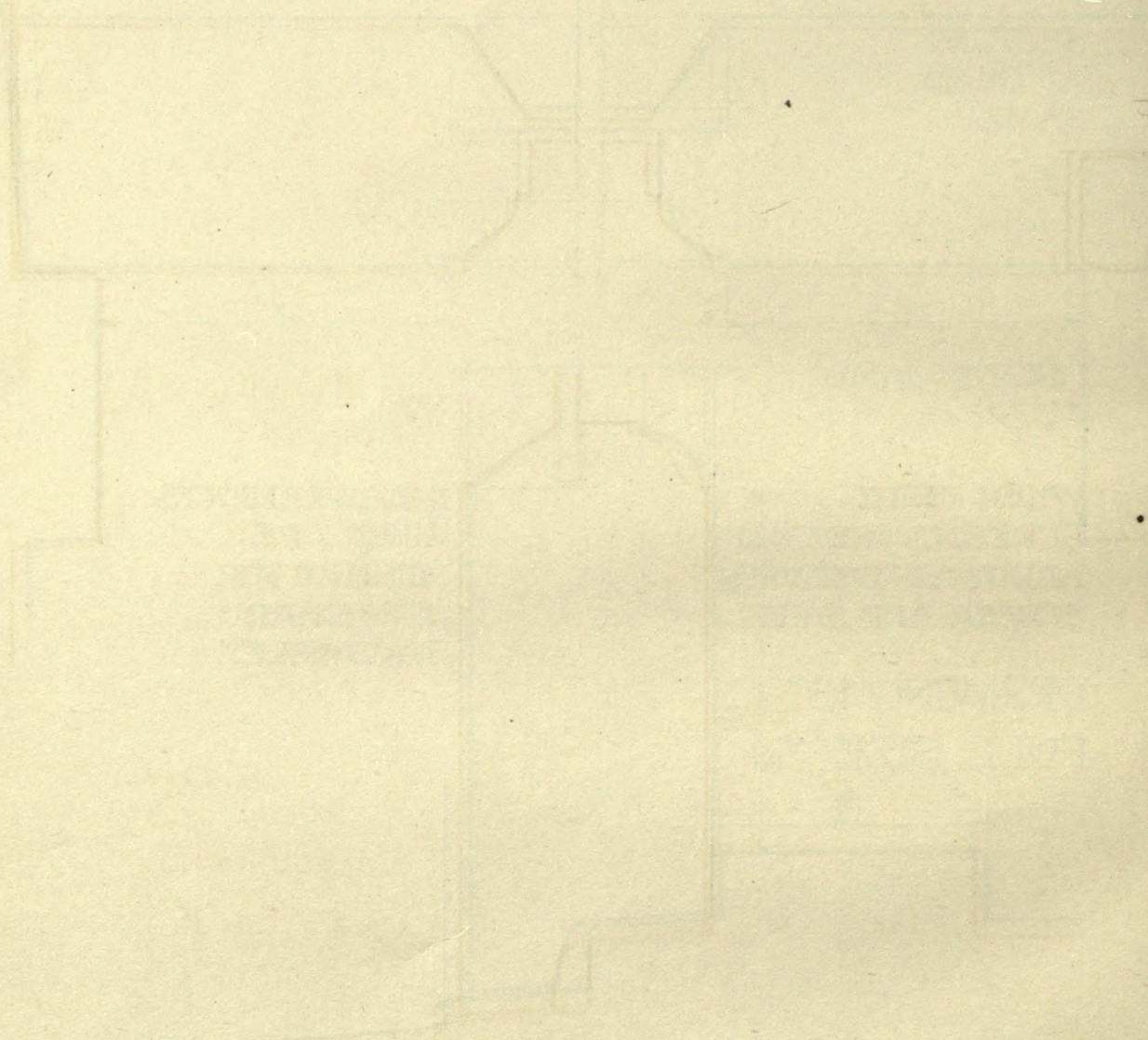


PLATE NO 16

DETAILS FOR STANDARD HARDWARE

FOR THE COMMITTEE ON DRILLING CUT
STANDARD HARDWARE

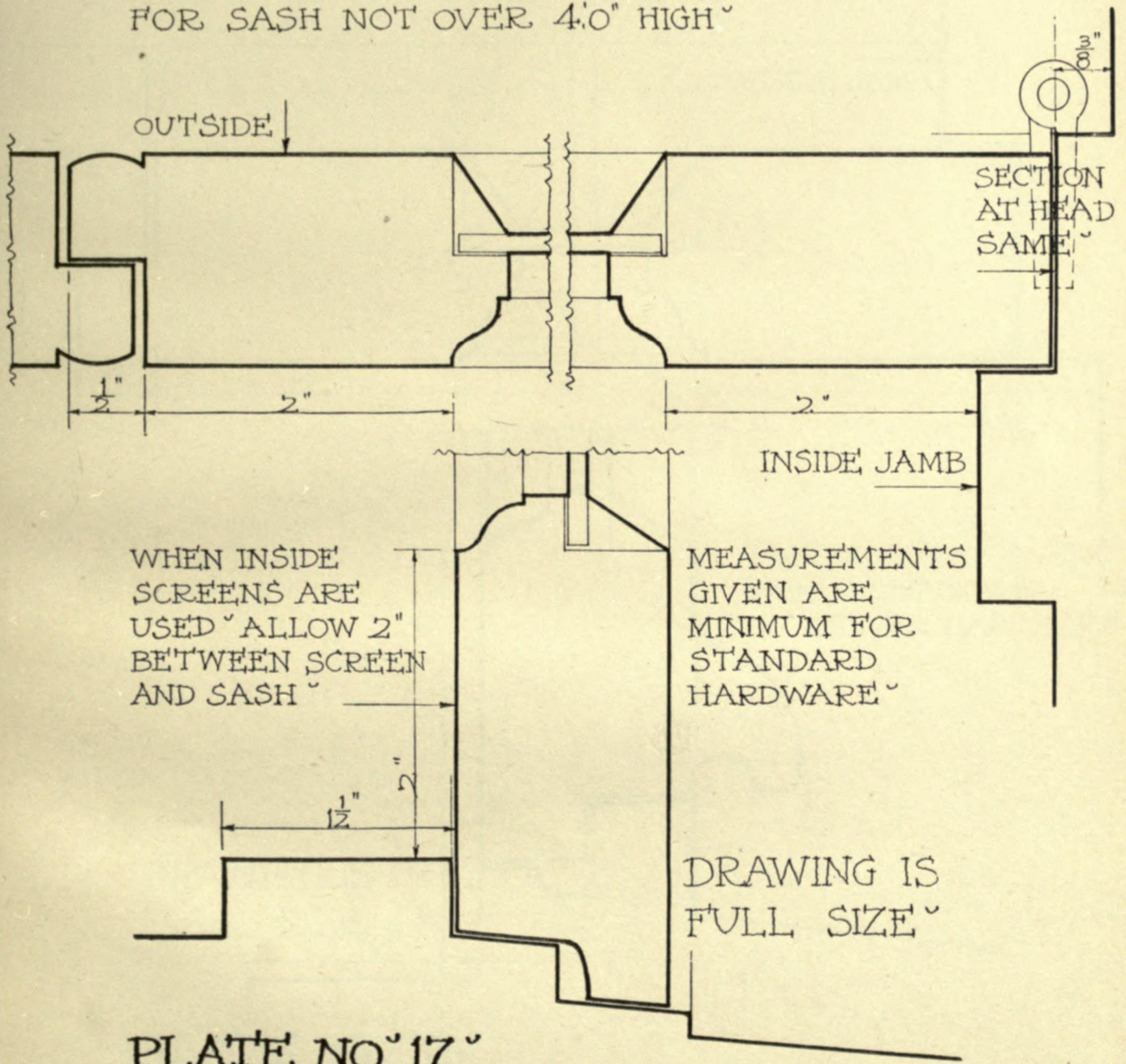


DETAILS FOR STANDARD HARDWARE

DOUBLE CASEMENT SASH OPENING OUT
WITH RABBETED MEETING STILES

USING RIM OR MORTISE CASEMENT FASTENER
OR TURNBUCKLE AND ADJUSTERS

FOR SASH NOT OVER 4.0" HIGH



DETAILS FOR STANDARD HARDWARE

DOUBLE CASEMENT SASH OPENING IN
WITH RABBETED MEETING STILES

USING RIM OR MORTISE CASEMENT FASTENER
OR TURNBUCKLE AND ADJUSTERS

FOR SASH NOT OVER 4'0" HIGH

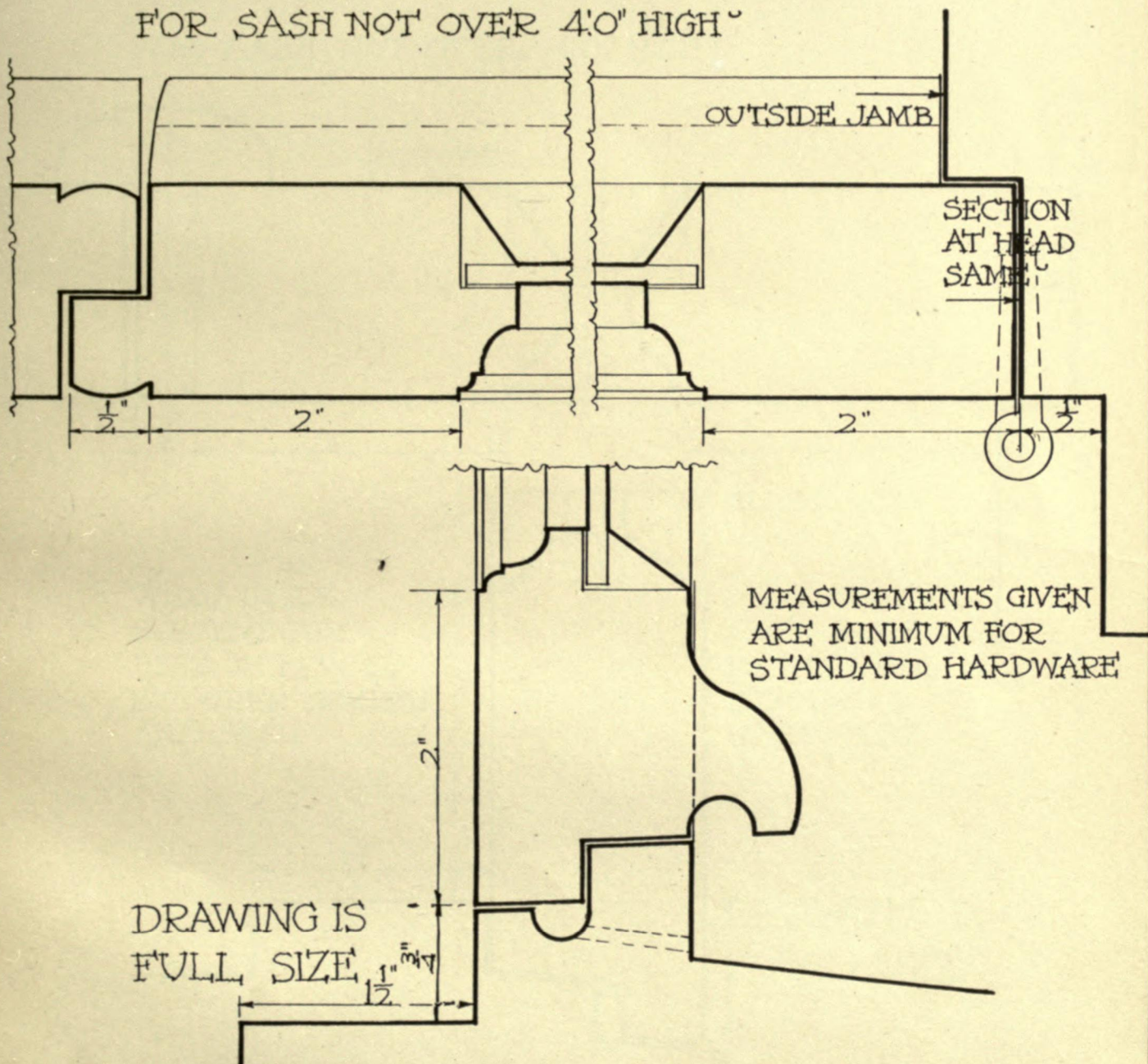


PLATE NO 18

DETAILS FOR STANDARD HARDWARE

DOUBLE CASEMENT SASH OPENING OUT
WITH FLAT ASTRAGAL MEETING STILES
USING RIM OR MORTISE CASEMENT FASTENER
OR TURNBUCKLE AND ADJUSTERS

FOR SASH NOT OVER 4'0" HIGH

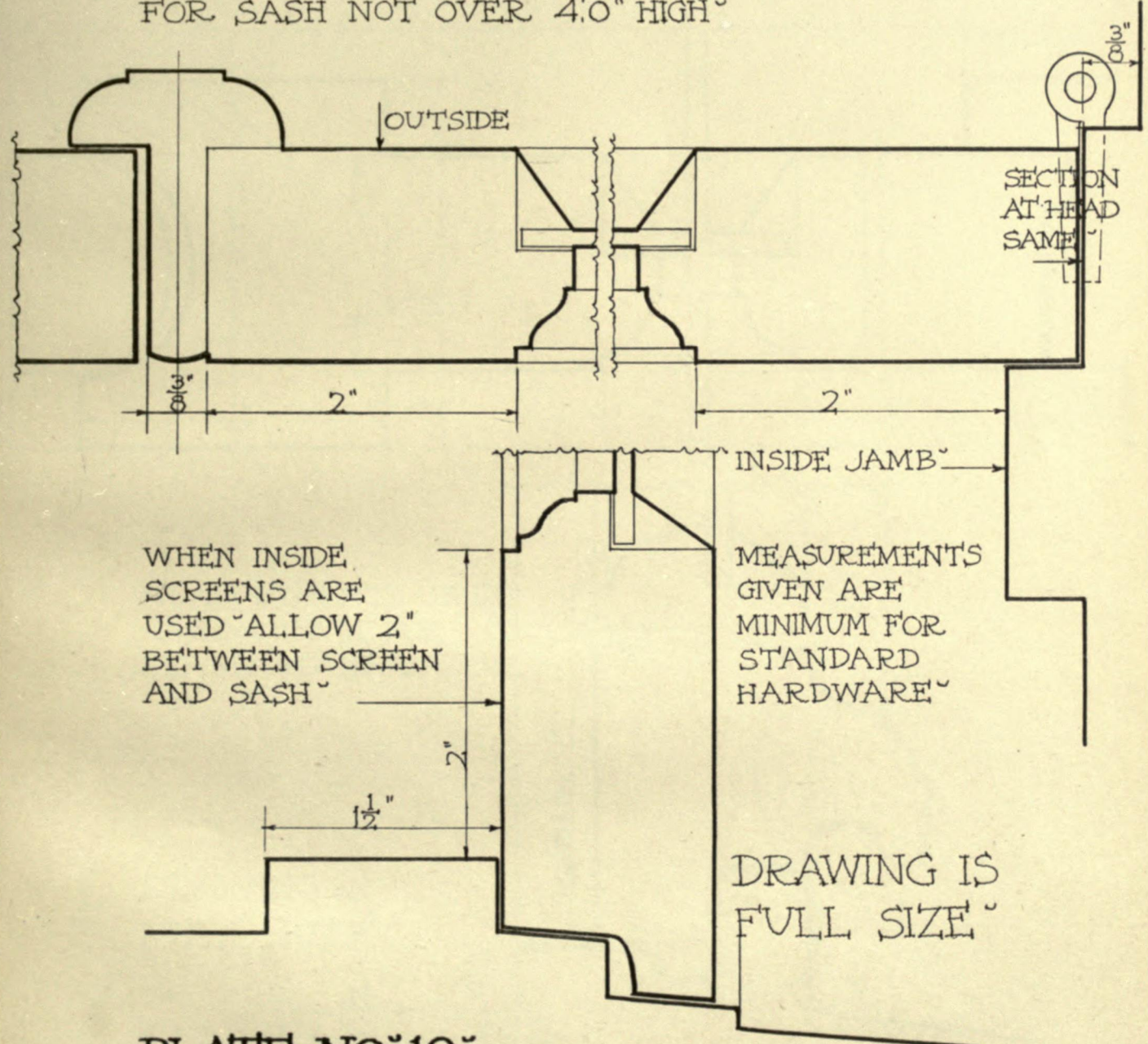


PLATE NO 19

DETAILS FOR STANDARD HARDWARE

DOUBLE CASPIUMIT SASH OPENING BY

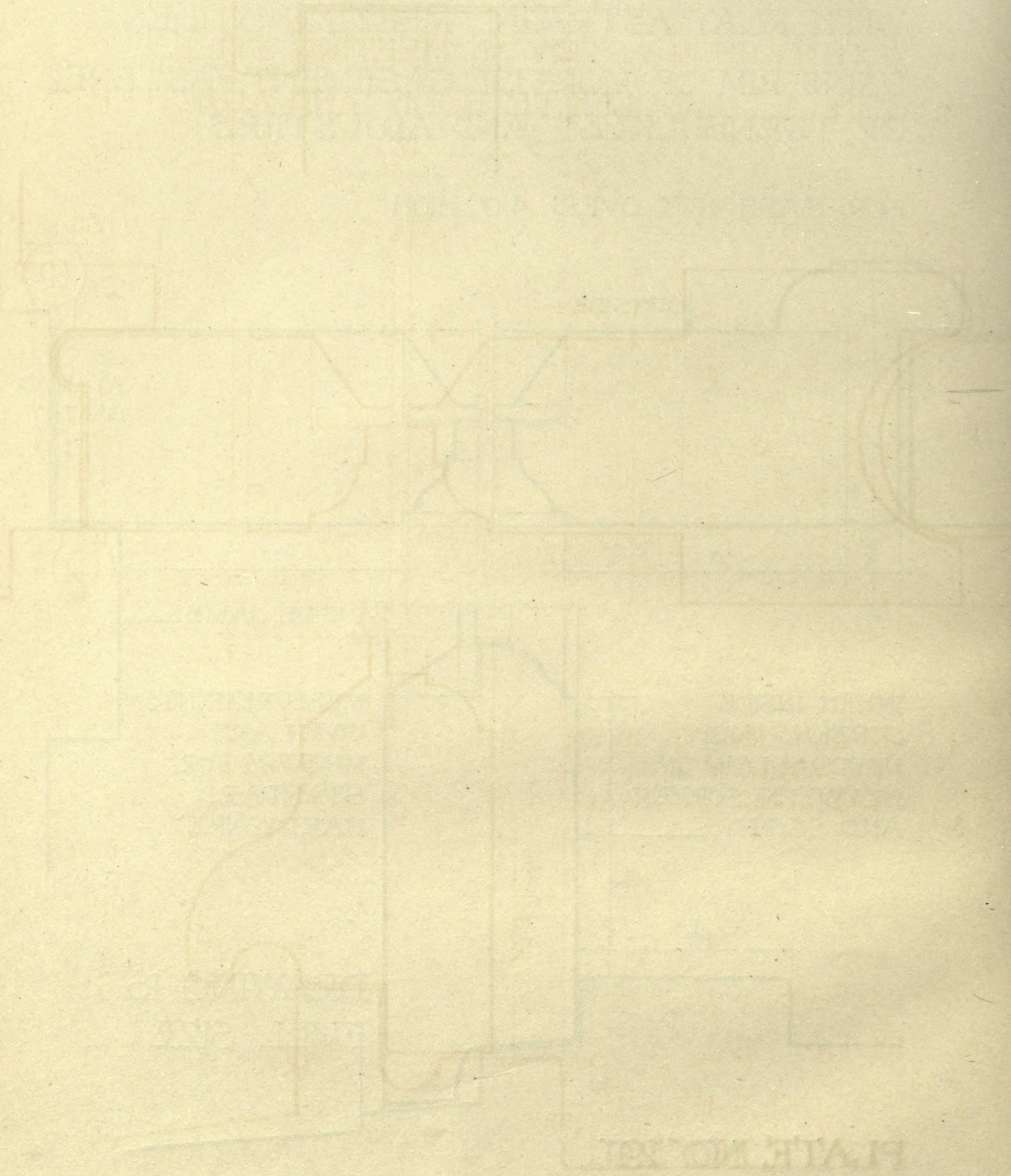
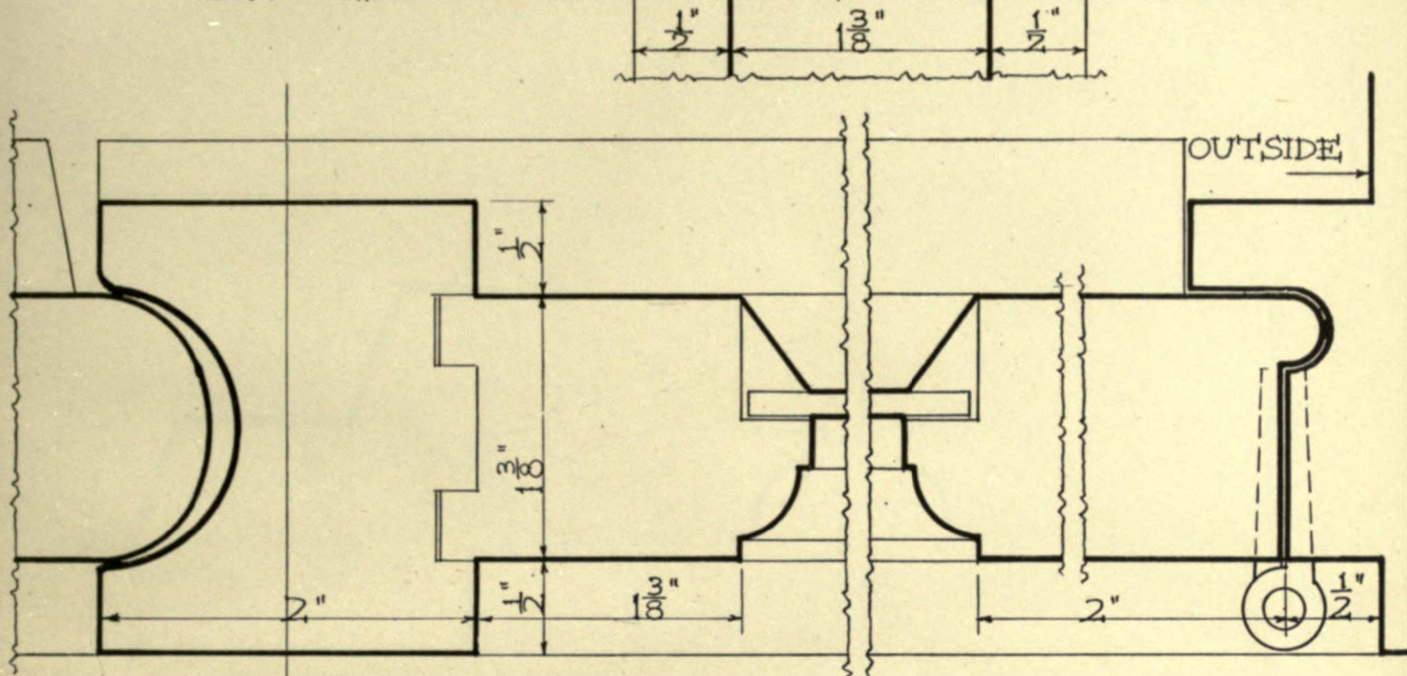


PLATE NO. 121

DETAILS FOR STANDARD HARDWARE

DOUBLE CASEMENT SASH OPENING IN
WITH FRENCH ASTRAGAL MEETING STILES
USING ESPAGNOLETTE BOLT AND ADJUSTERS

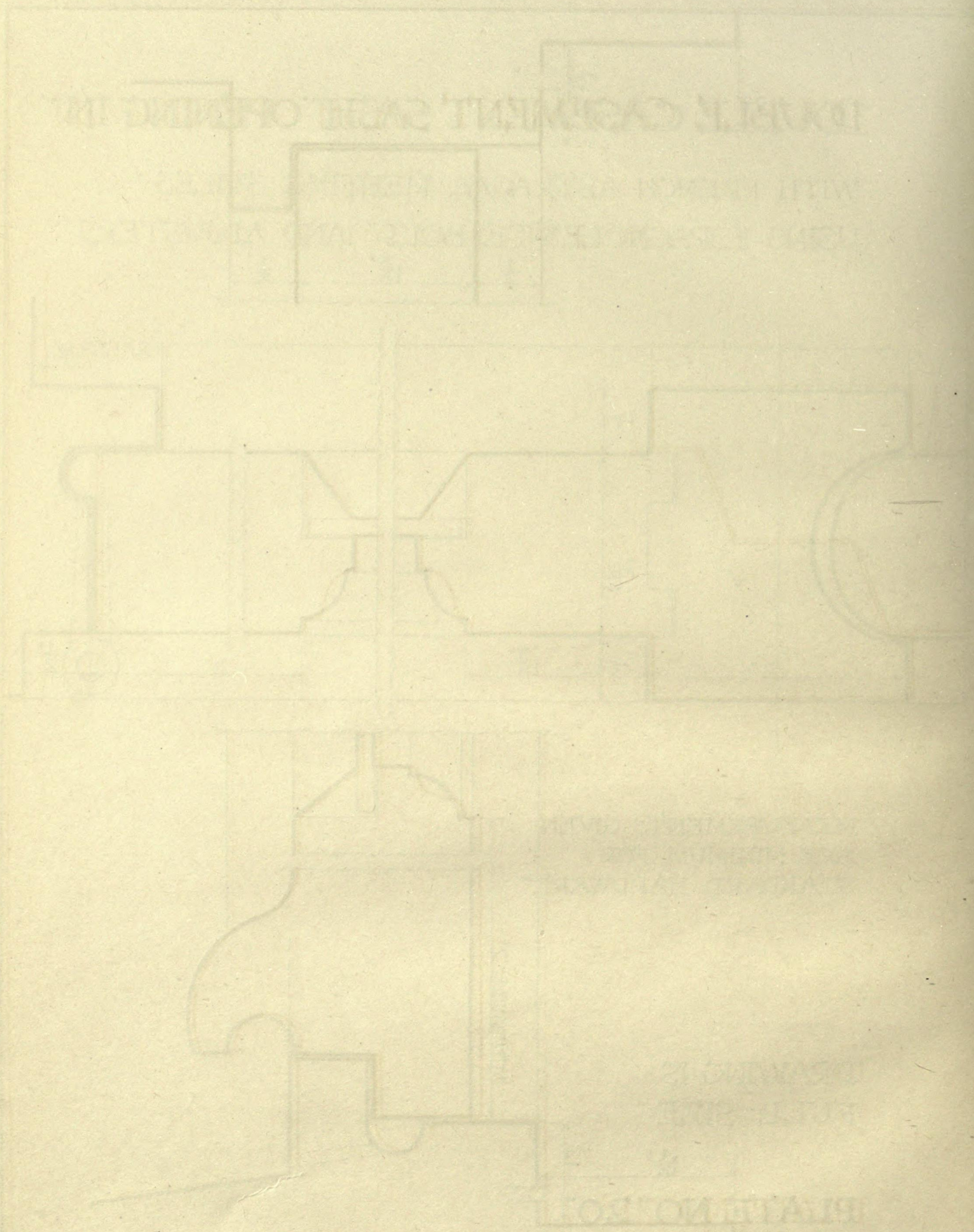


MEASUREMENTS GIVEN
ARE MINIMUM FOR
STANDARD HARDWARE.

DRAWING IS
FULL SIZE.

PLATE NO. 20

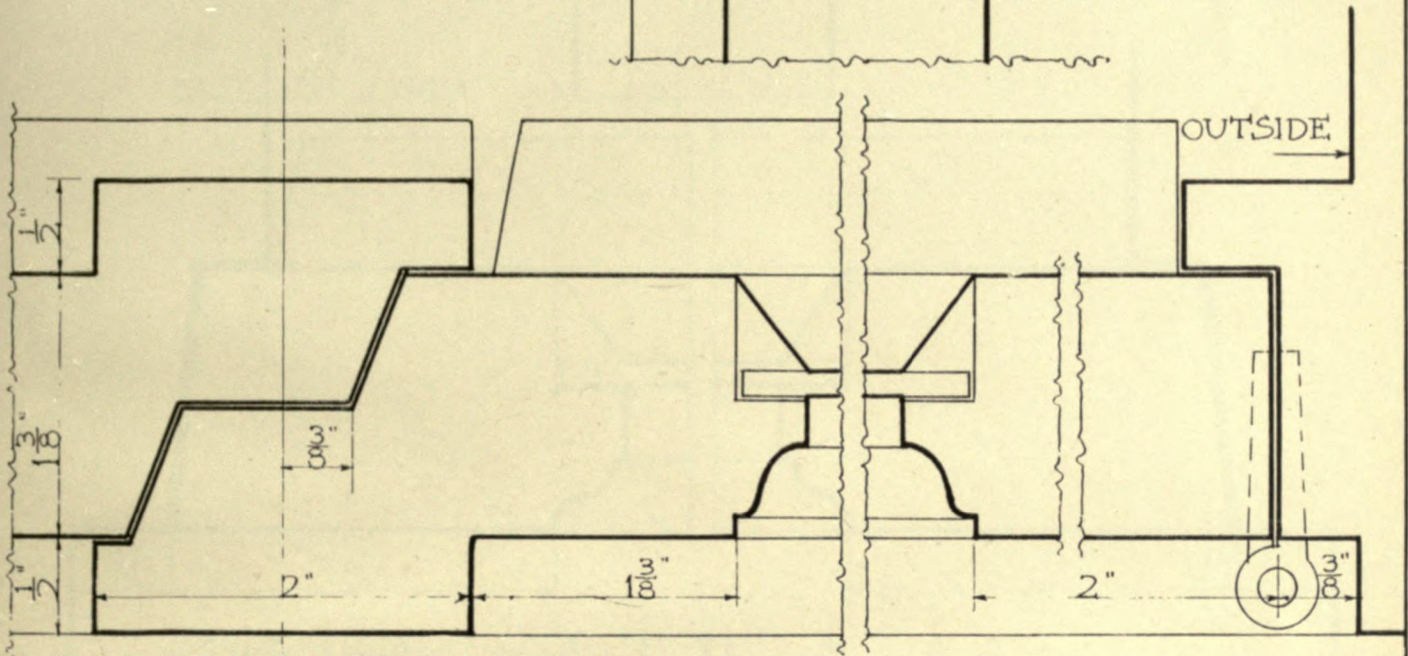
DETAILS FOR STANDARD HARDWARE



DETAILS FOR STANDARD HARDWARE

DOUBLE CASEMENT SASH OPENING IN

WITH RABBETED ASTRAGAL MEETING STILES
USING ESPAGNOLETTE BOLT AND ADJUSTERS



MEASUREMENTS GIVEN
ARE MINIMUM FOR
STANDARD HARDWARE

DRAWING IS
FULL SIZE

PLATE NO 21

DETAILS FOR STANDARD HARDWARE

BRASS, CASEMATE SASH OPERATOR

THESE DETAILS ARE FOR THE
SASH OPERATOR FOR CASEMATE
SASHES.

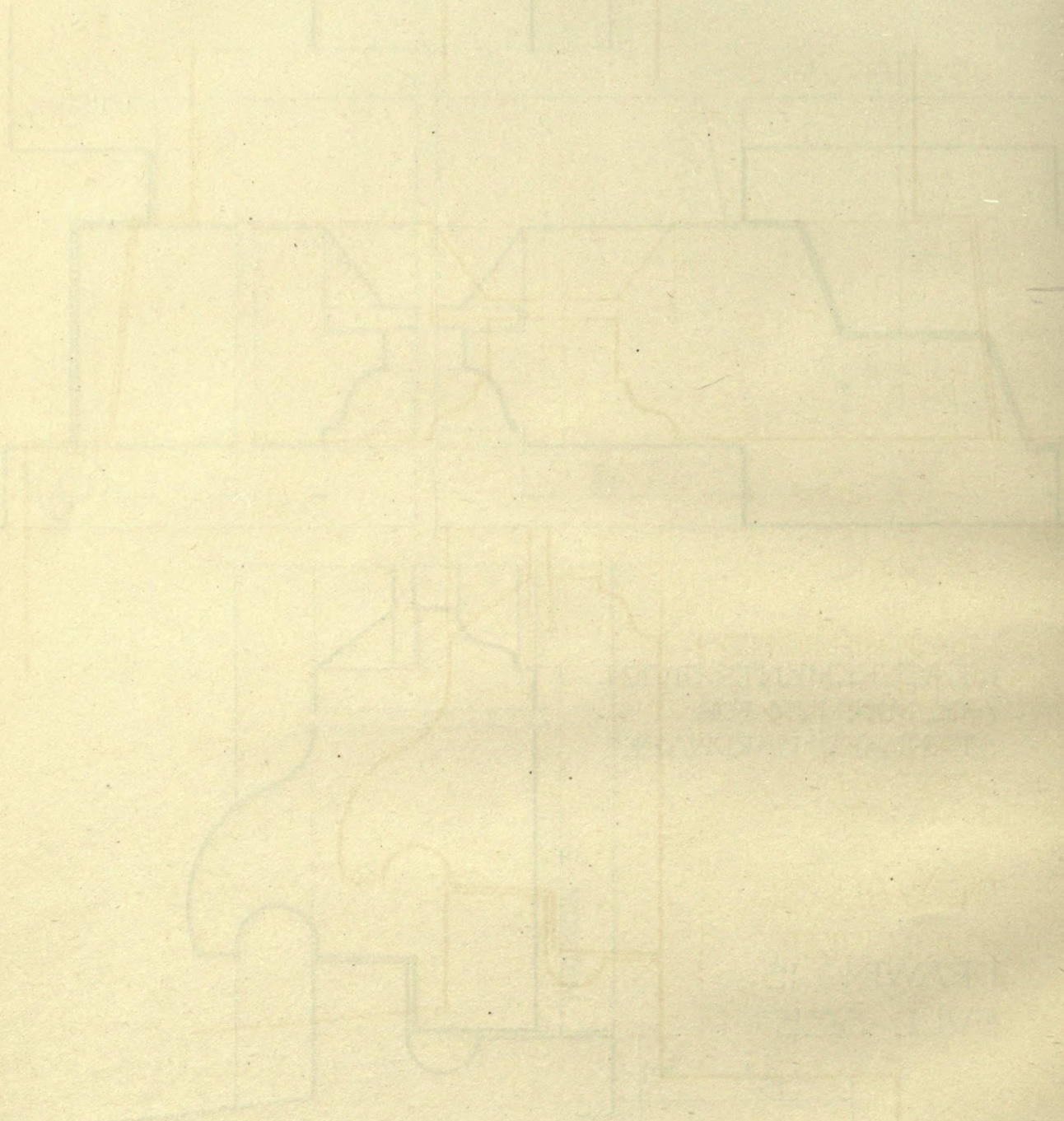
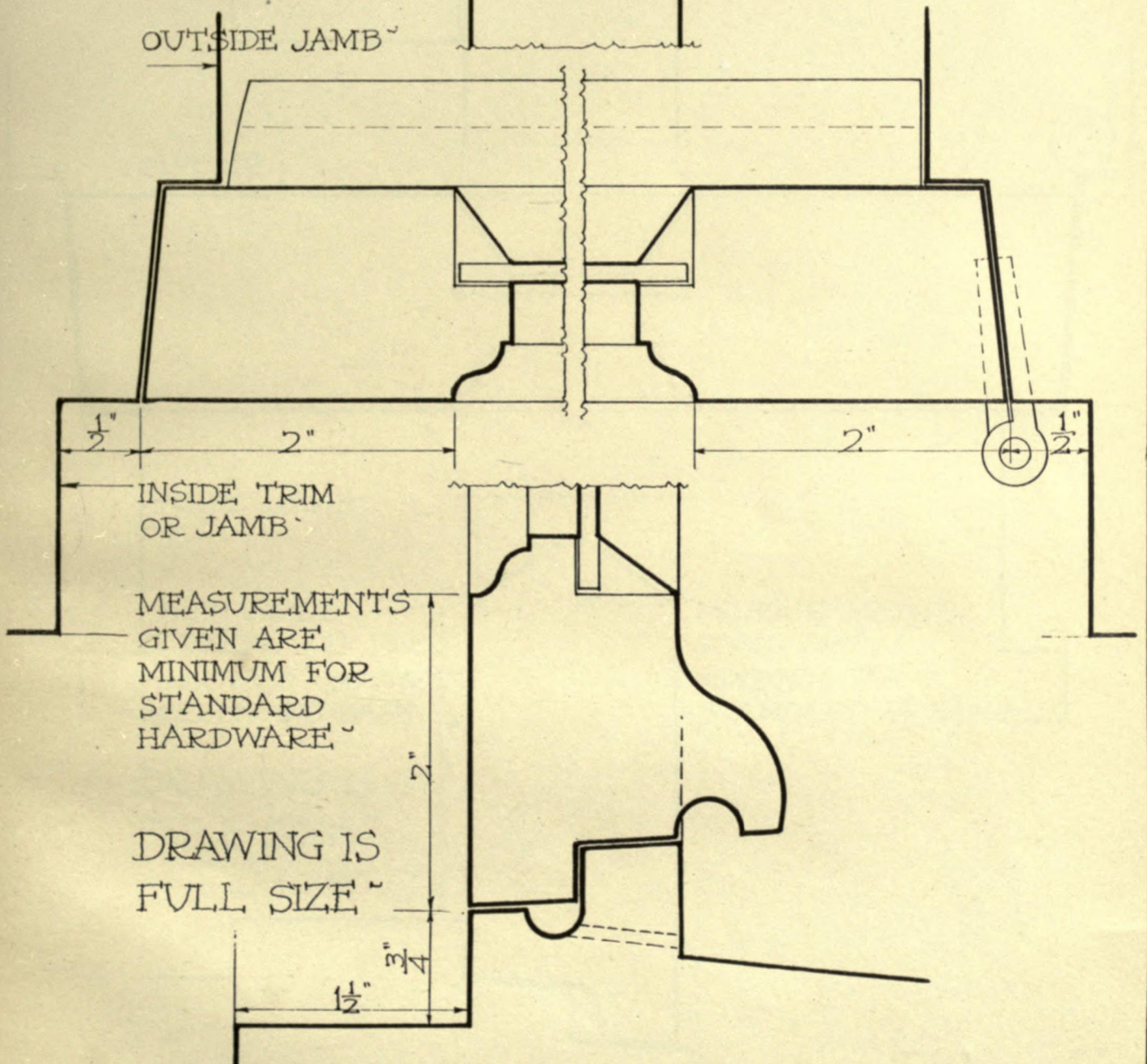


PLATE NO. 1031

DETAILS FOR STANDARD HARDWARE

SINGLE CASEMENT SASH OPENING IN USING CREMONE BOLT AND ADJUSTER

OUTSIDE JAMB



MEASUREMENTS
GIVEN ARE
MINIMUM FOR
STANDARD
HARDWARE

DRAWING IS
FULL SIZE

1/2"

2"

2"

1/2"

1/2"

1/2"

PLATE NO 22

DETAILS FOR STANDBALD HARDWARE

SINGLE CASEMENT SASH OPENING OUT

SECTION THROUGH CASEMENT

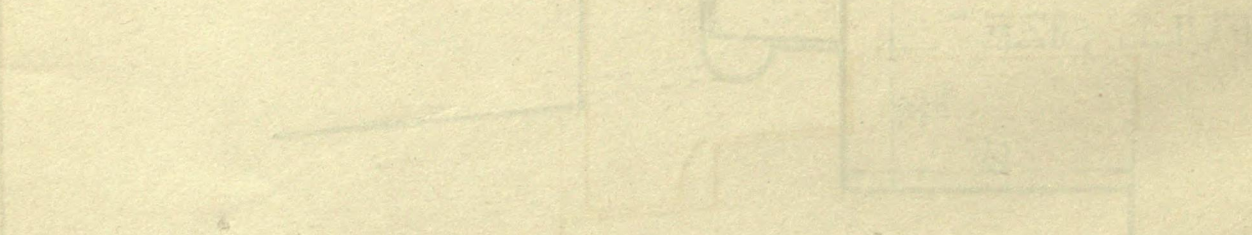
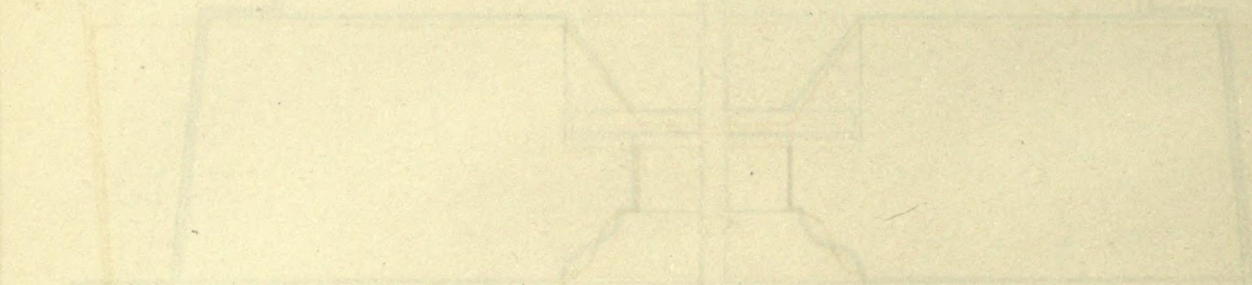
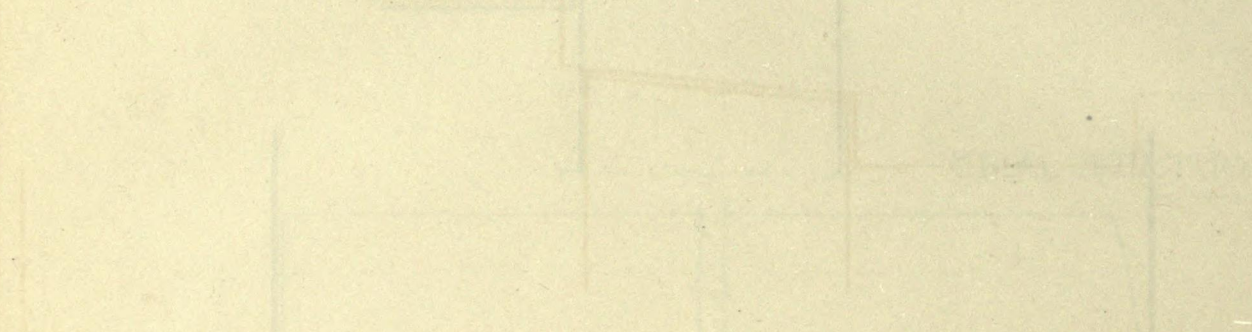


PLATE NO. 33

DETAILS FOR STANDARD HARDWARE

SINGLE CASEMENT SASH OPENING OUT

USING CREMONE BOLT AND ADJUSTER

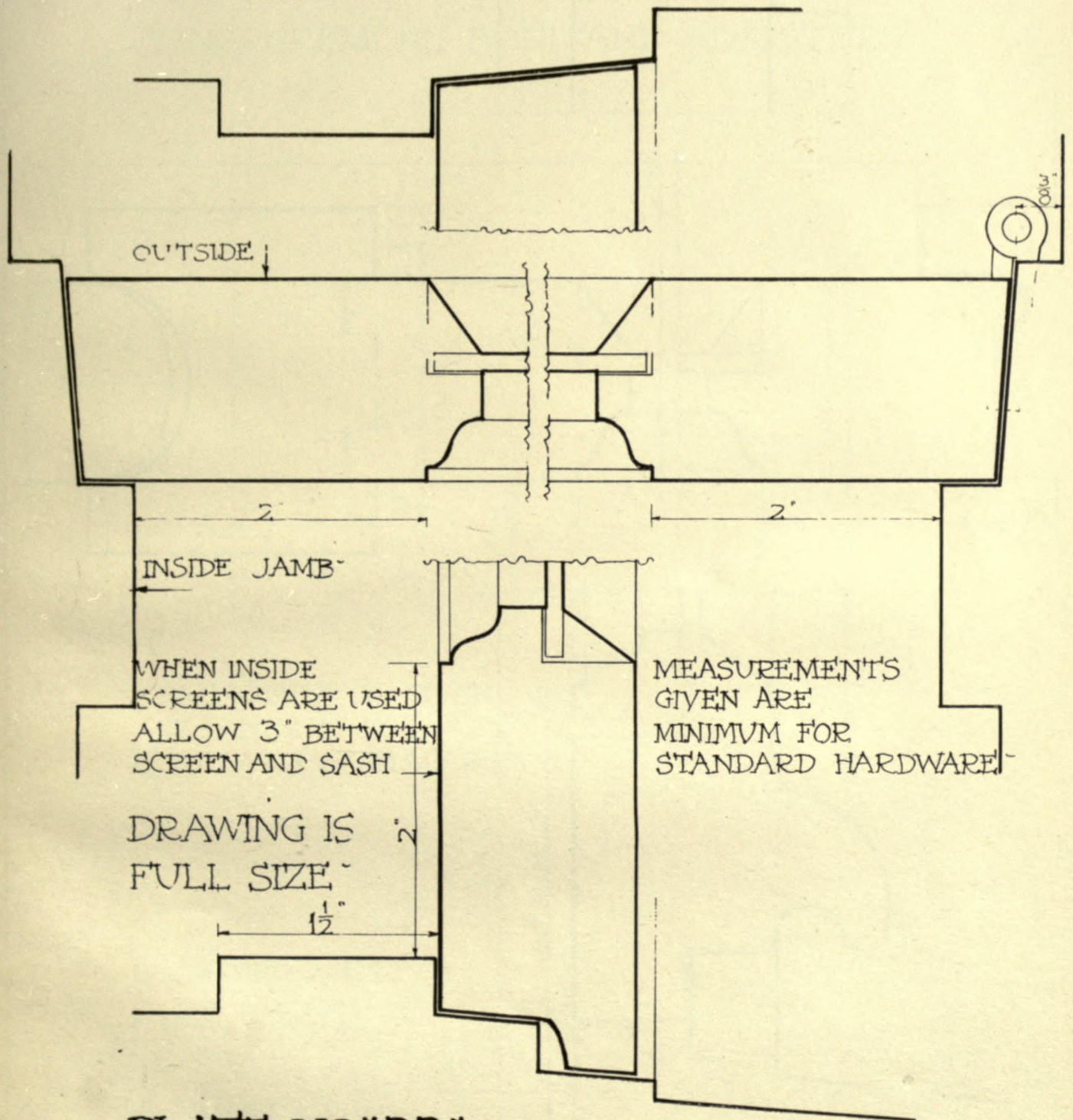


PLATE NO 23

DETAILS FOR STANDARD HARDWARE

SINGLE CARTRIDGE BOLT SPRING OUT

DETAILS FOR HARDWARE

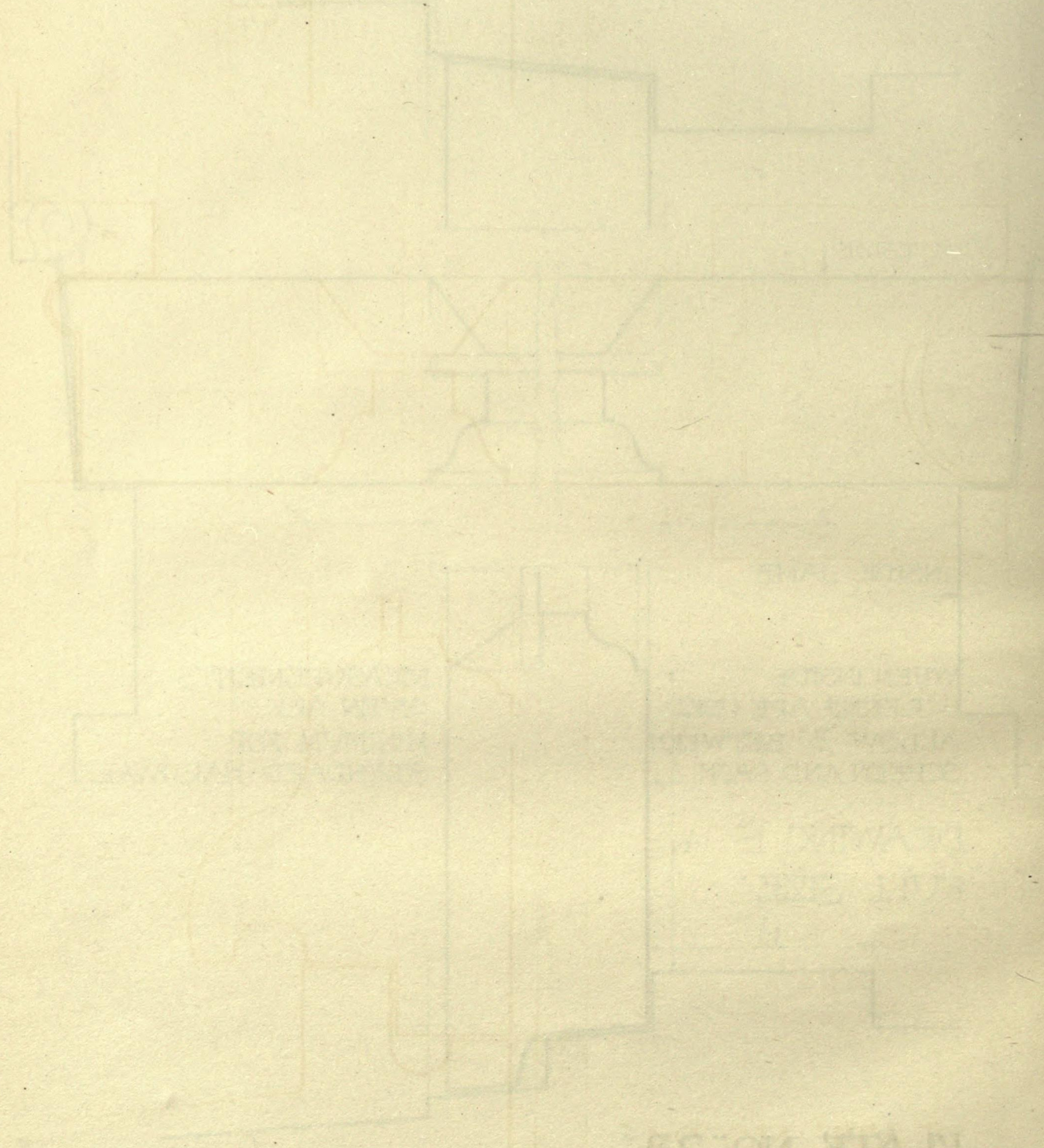
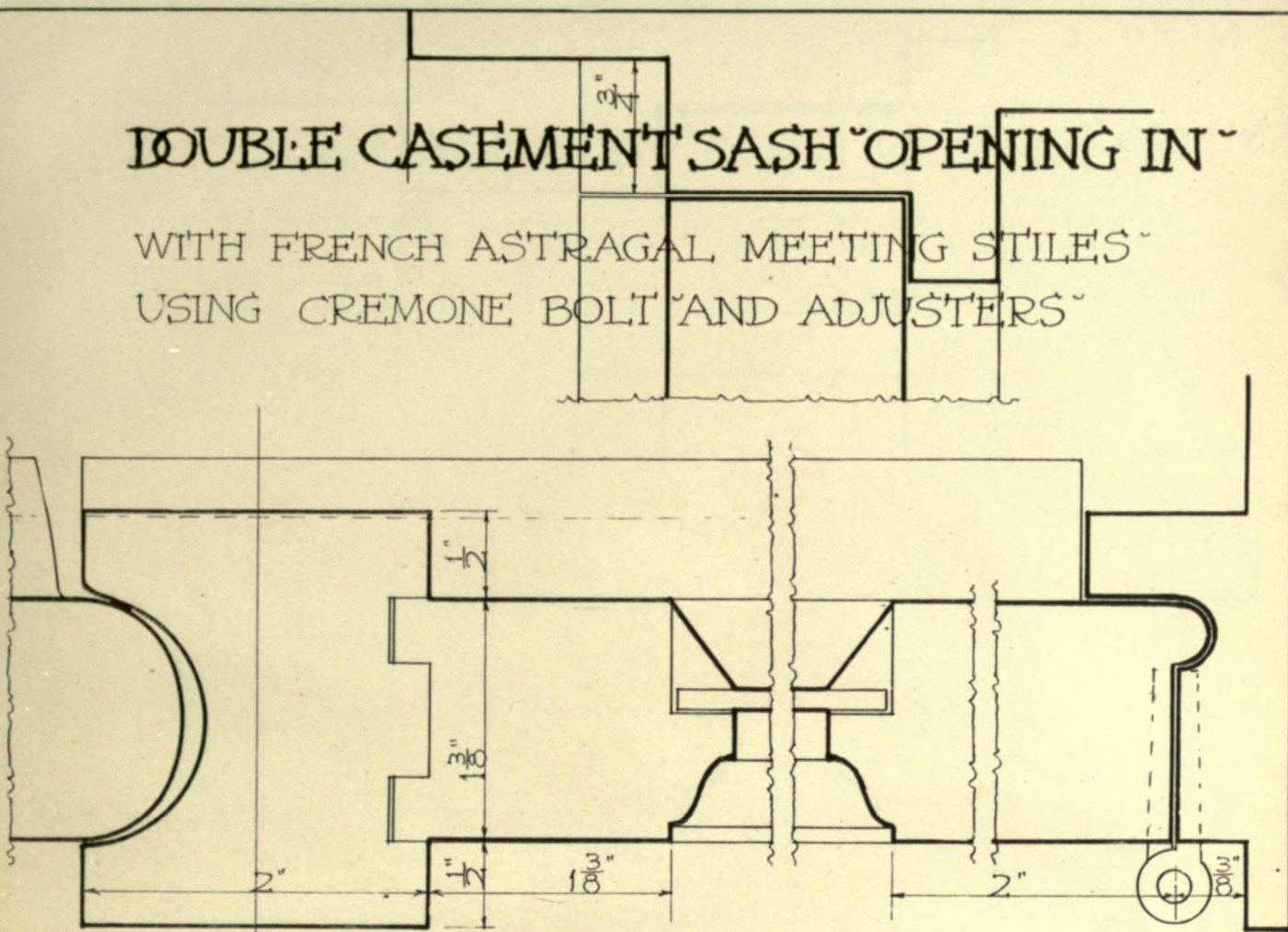


PLATE NO. 27

DETAILS FOR STANDARD HARDWARE

DOUBLE CASEMENT SASH OPENING IN
WITH FRENCH ASTRAGAL MEETING STILES
USING CREMONE BOLT AND ADJUSTERS



MEASUREMENTS GIVEN
ARE MINIMUM FOR
STANDARD HARDWARE

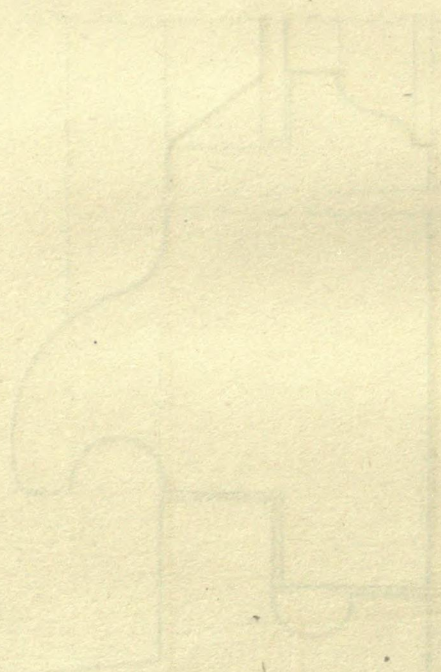
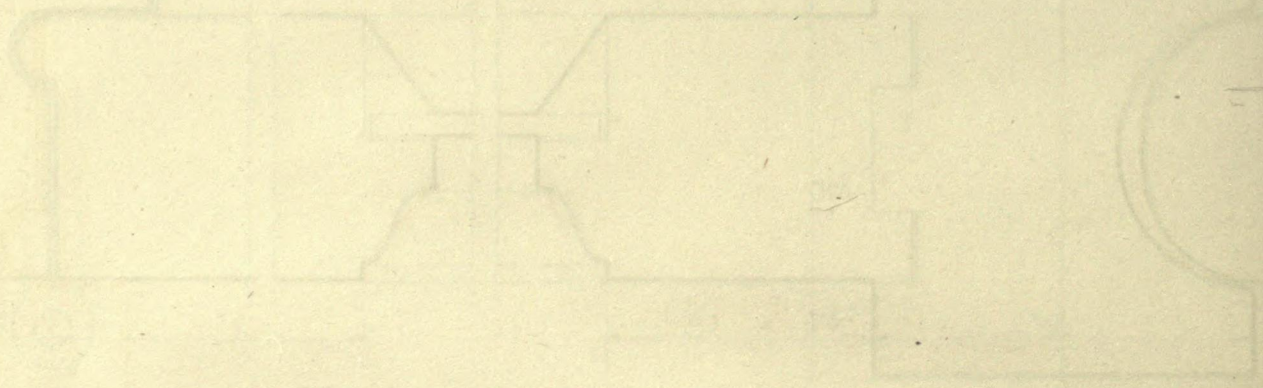
DRAWING IS
FULL SIZE

PLATE NO 24

DETAILS FOR STANDARD HARDWARE

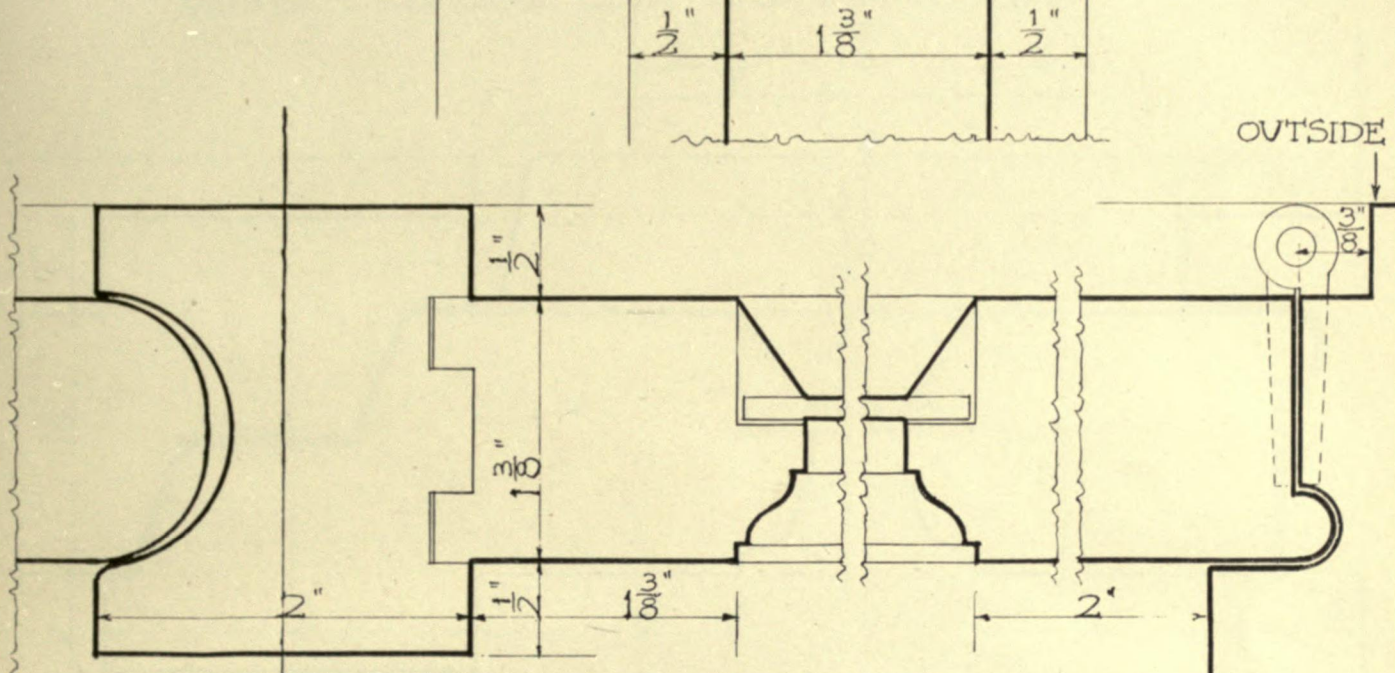
DOUBLE-CAMMENT SASH OPENING IN

DOUBLE-CAMMENT SASH OPENING IN



DETAILS FOR STANDARD HARDWARE

DOUBLE CASEMENT SASH OPENING OUT
 WITH FRENCH ASTRAGAL MEETING STILES
 USING CREMONE BOLT AND ADJUSTERS



WHEN INSIDE SCREENS
 ARE USED ALLOW 3"
 BETWEEN SCREEN
 AND ASTRAGAL

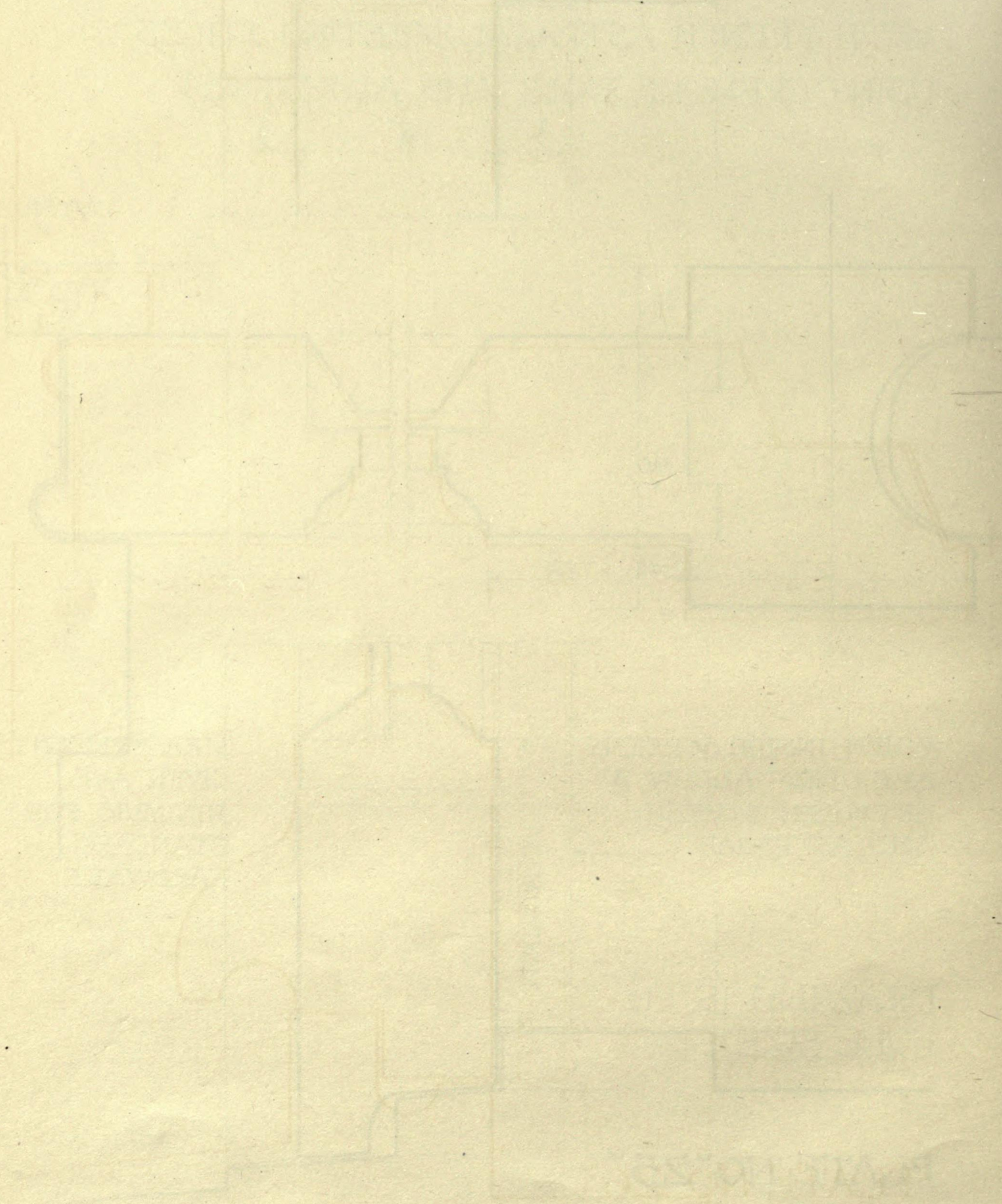
MEASUREMENTS
 GIVEN ARE
 MINIMUM FOR
 STANDARD
 HARDWARE

DRAWING IS $\frac{1}{12}$ "
 FULL SIZE

PLATE NO 25

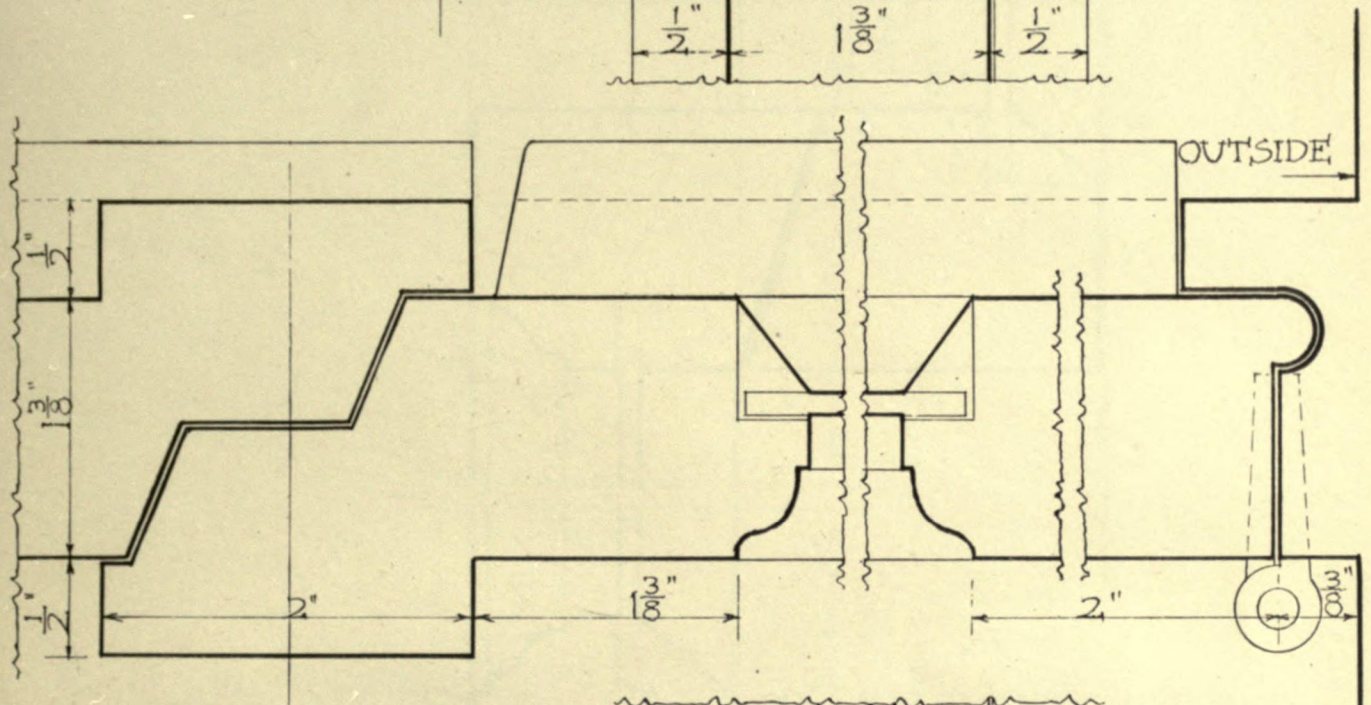
DETAILS FOR STANDARD HARDWARE

LEGEND



DETAILS FOR STANDARD HARDWARE

DOUBLE CASEMENT SASH OPENING IN
WITH RABBETED ASTRAGAL MEETING STILES
USING CREMONE BOLT AND ADJUSTERS



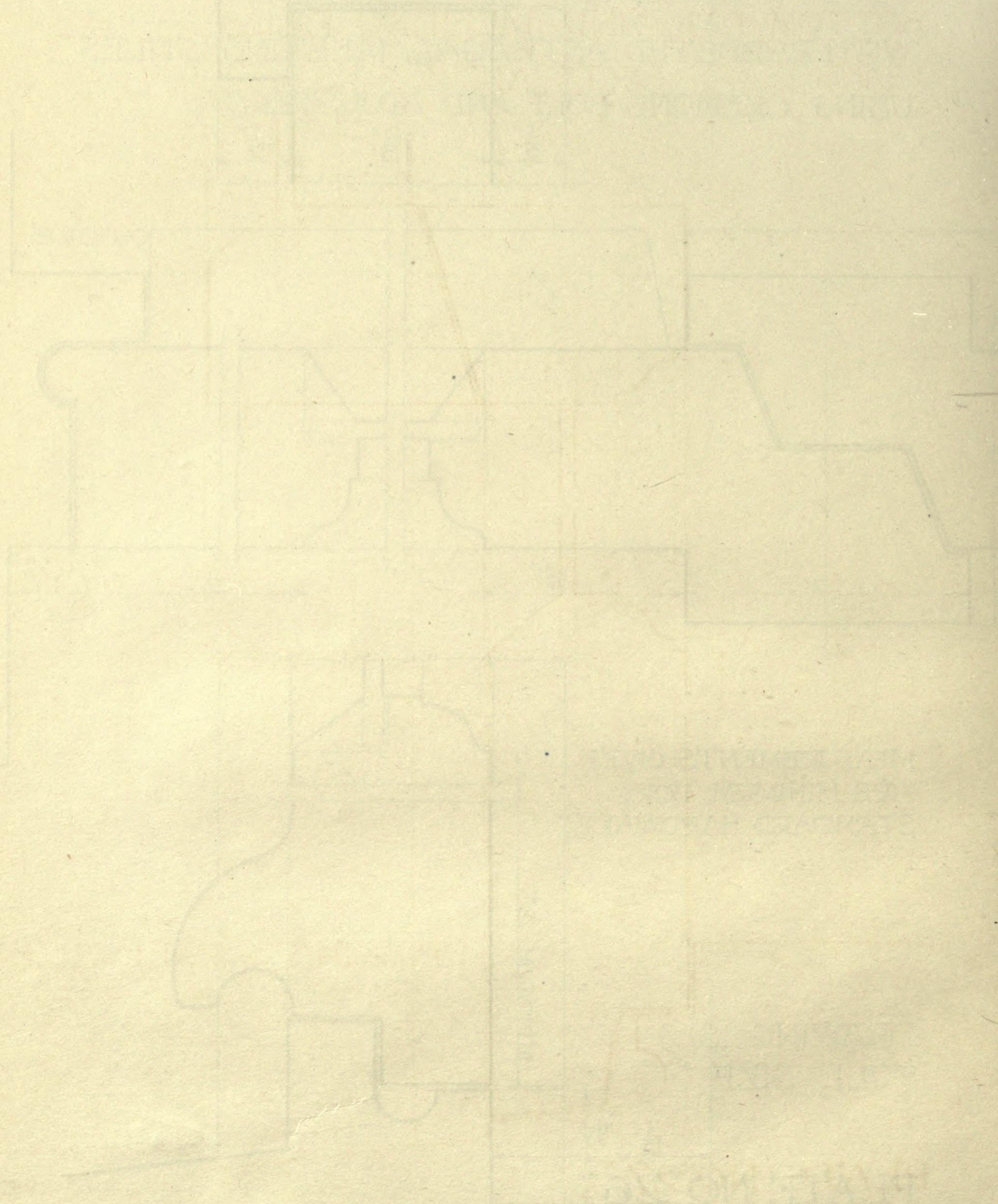
MEASUREMENTS GIVEN
ARE MINIMUM FOR
STANDARD HARDWARE

DRAWING IS
FULL SIZE

PLATE NO. 26

DETAILS FOR STANDARD HARDWARE

TO BE USED IN CONNECTION WITH THE STANDARD HARDWARE



DETAILS FOR STANDARD HARDWARE

DOUBLE HUNG SASH

BOTTOM RAIL AND MEETING RAILS

USING SASH LIFTS AND LOCKS

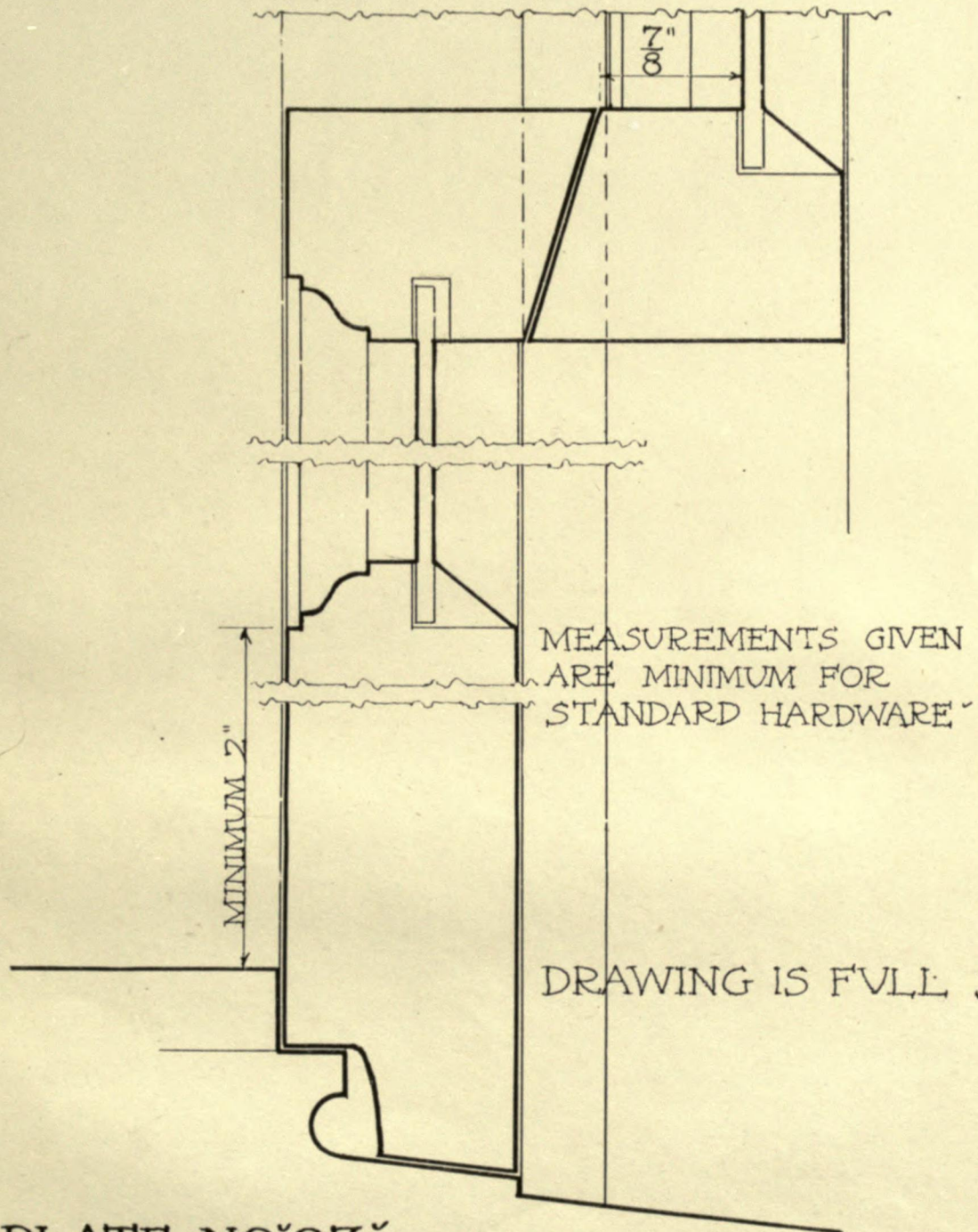


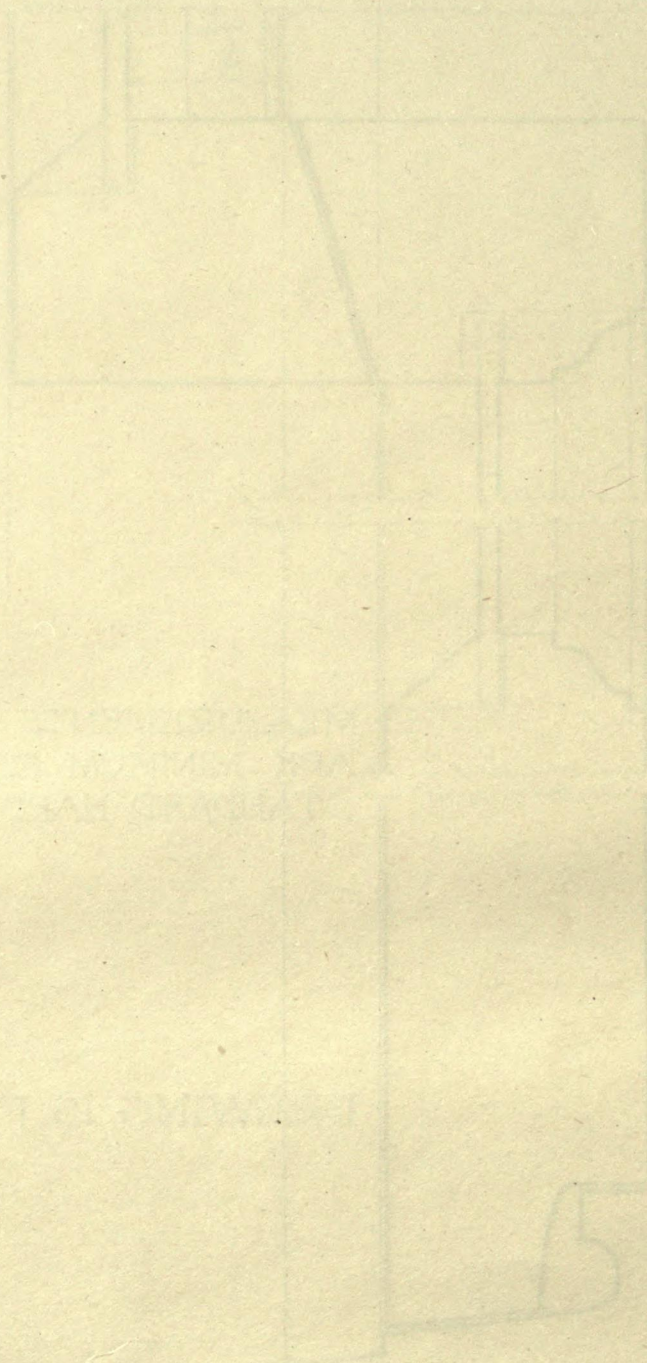
PLATE NO 27

DETAILS FOR STANDARD HARDWARE

DOUBLE TUNG CARB

BOTTOM PAN AND WELDED BALL

LEAD SHEATHING AT JOINT



DOUBLE TUNG CARB
BOTTOM PAN AND WELDED BALL
LEAD SHEATHING AT JOINT

DOUBLE TUNG CARB

PLATE NO. 27

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