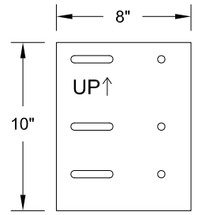
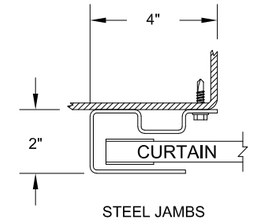
NOTES:

1. OPERATION TYPE MAY BE PUSH-UP, HAND CHAIN OR ELECTRIC.
2. FOR CRITICAL FITS DUE TO REDUCED AVAILABLE HEADROOM OR SIDEROOM CLEARANCES, CONSULT FACTORY.
3. CLEARANCES SHOWN ARE MAXIMUMS. LESSER CLEARANCES MAY BE POSSIBLE.
4. UNLESS OTHERWISE NOTED, DOORS SHALL BE PROVIDED WITH SLIDE LOCKS AT EACH END OF BOTTOM BAR, ENGAGING GUIDES IN THE LOCKED POSITION.
5. ALL OPENING PREPARATION, ELECTRICAL POWER AND FIELD PAINTING SHALL BE PROVIDED BY OTHERS.
6. SERIES 190HDI IS AN INSULATED SERIES 190HD.
7. CURTAIN FINISH SHALL BE SILICONE POLYESTER PRE-PAINT OVER GALVANIZED GRADE 80 STEEL.
8. GUIDES, BRACKETS, BOTTOM BAR ANGLE AND HEAD STOPS ARE ZINC COATED.
9. MAXIMUM OPENING SIZE: 12'-0" X 14'-0".

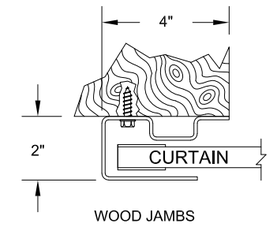


LARGE MOUNTING PLATE

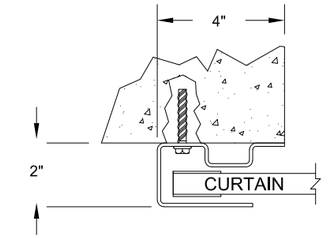
(INSTALL ON BOTH JAMBS FOR BRACKET ATTACHMENT TO STEEL JAMBS OF METAL BUILDINGS)



STEEL JAMBS
(USING ¼ - 14 X 1" TEKS)



WOOD JAMBS
(USING ¼ - 10 X 1" LAG)

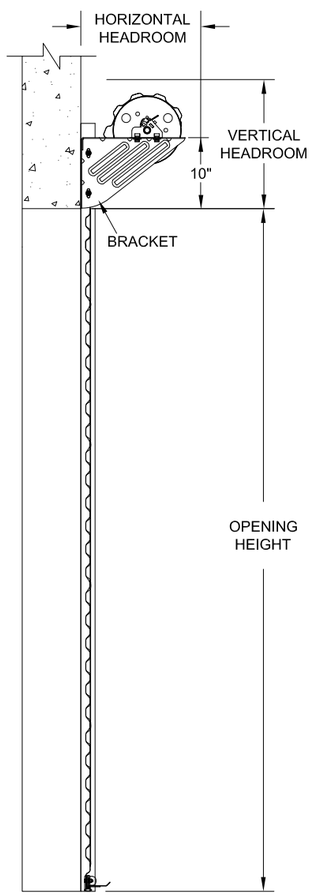


CONCRETE/MASONRY JAMBS
(USING ¼" X 3 ¼" POWERS WEDGE-BOLT)

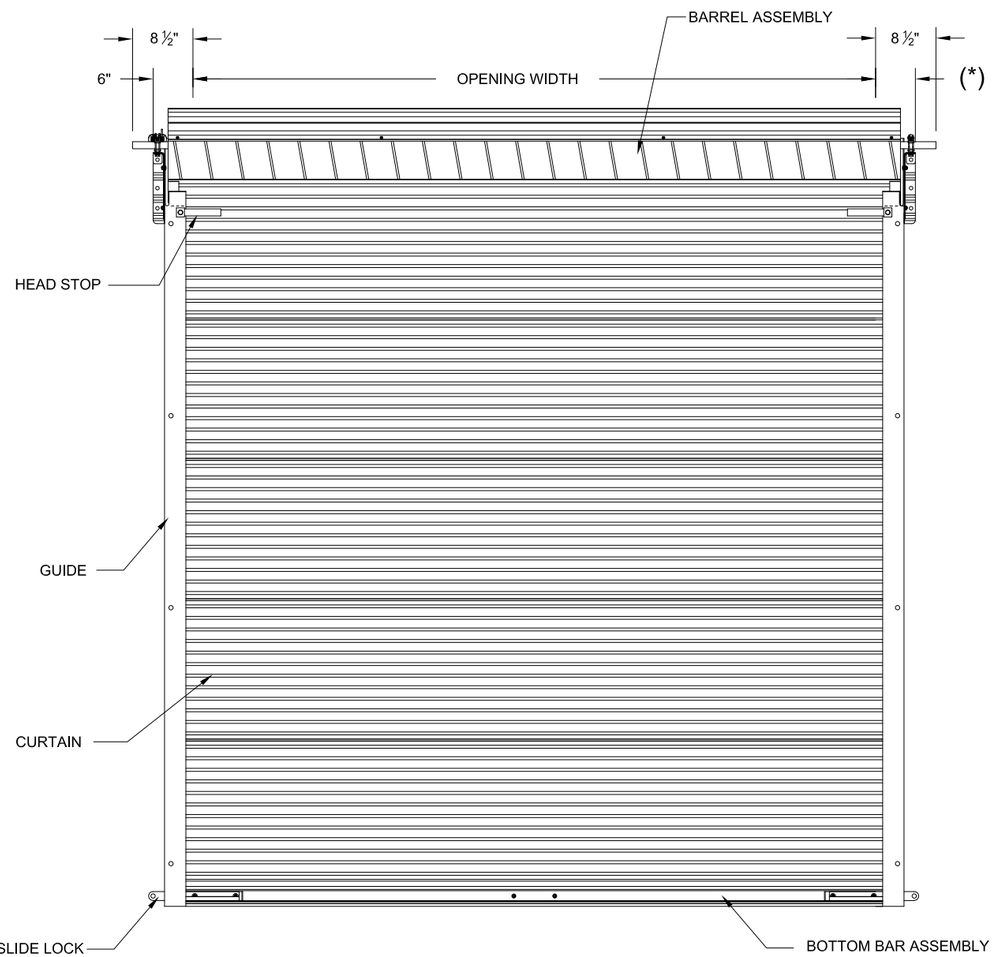
12 GA GUIDE MOUNTING DETAIL

BRACKET ATTACHMENT
CONCRETE/MASONRY: POWERS WEDGE-BOLT, ⅜ X 1 ¾" LONG
WOOD: LAG SCREW, ⅜ - 7 X 3" LONG
STEEL: HEX BOLT, GR.5, ⅜ - 16 X 1 ¼" LONG

(*) FOR PUSH-UP OPERATION.....6"
FOR HAND CHAIN OPERATION.....7"
FOR ELECTRIC OPERATION.....7 ½"
FOR OUTSIDE OF CHAIN DRIVE.....8 ½"
NOTE: RIGHT SIDE DRIVE SHOWN



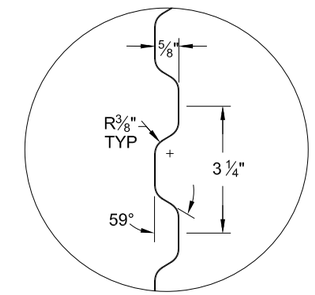
END VIEW



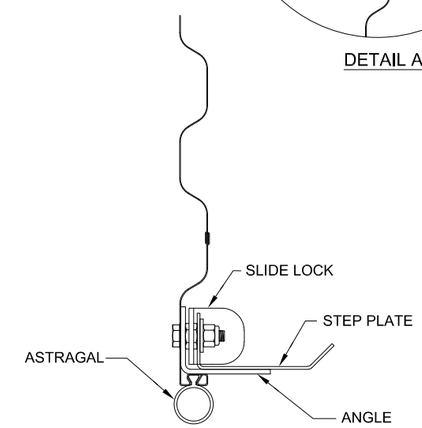
INSIDE ELEVATION

HEADROOM REQUIRED

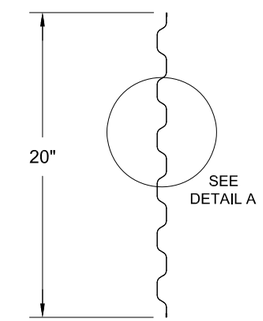
OPENING HEIGHT	VERTICAL HEADROOM	HORIZONTAL HEADROOM
THRU 8'-0"	19"	19"
OVER 8'-0" THRU 10'-0"	20"	20"
OVER 10'-0" THRU 14'-0"	20 ½"	20"



DETAIL A



BOTTOM BAR ASSEMBLY



26 GA CURTAIN PANEL DETAIL

FACTORY ORDER NUMBER	DOOR SERIES		QTY	OPENING SIZE		JAMB TYPE			OUTSIDE CURTAIN COLOR	OPERATION			OPERATION HAND	WEATHERSTRIP			ADDED OPTIONS
	190HD	190HDI		WIDTH	HEIGHT	STEEL	CONC./ MAS.	WOOD		PUSH UP	REDUCED CHAIN	ELECTRIC		TOP	HEADER	SIDE	

DRAWING NUMBER: 814007-0001

DATE: 07/18/2023

COMMERCIAL DOOR SERIES: 190HD/190HDI

CUSTOMER NUMBER:		DATE:
CUSTOMER NAME:		CONTACT:
PROJECT NAME:		
PROJECT LOCATION:		
PLANT:		SALESPERSON:
DRAWN BY:	DATE:	
DRAWING NUMBER:	SHT: / OF:	

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BY JANUS INTERNATIONAL