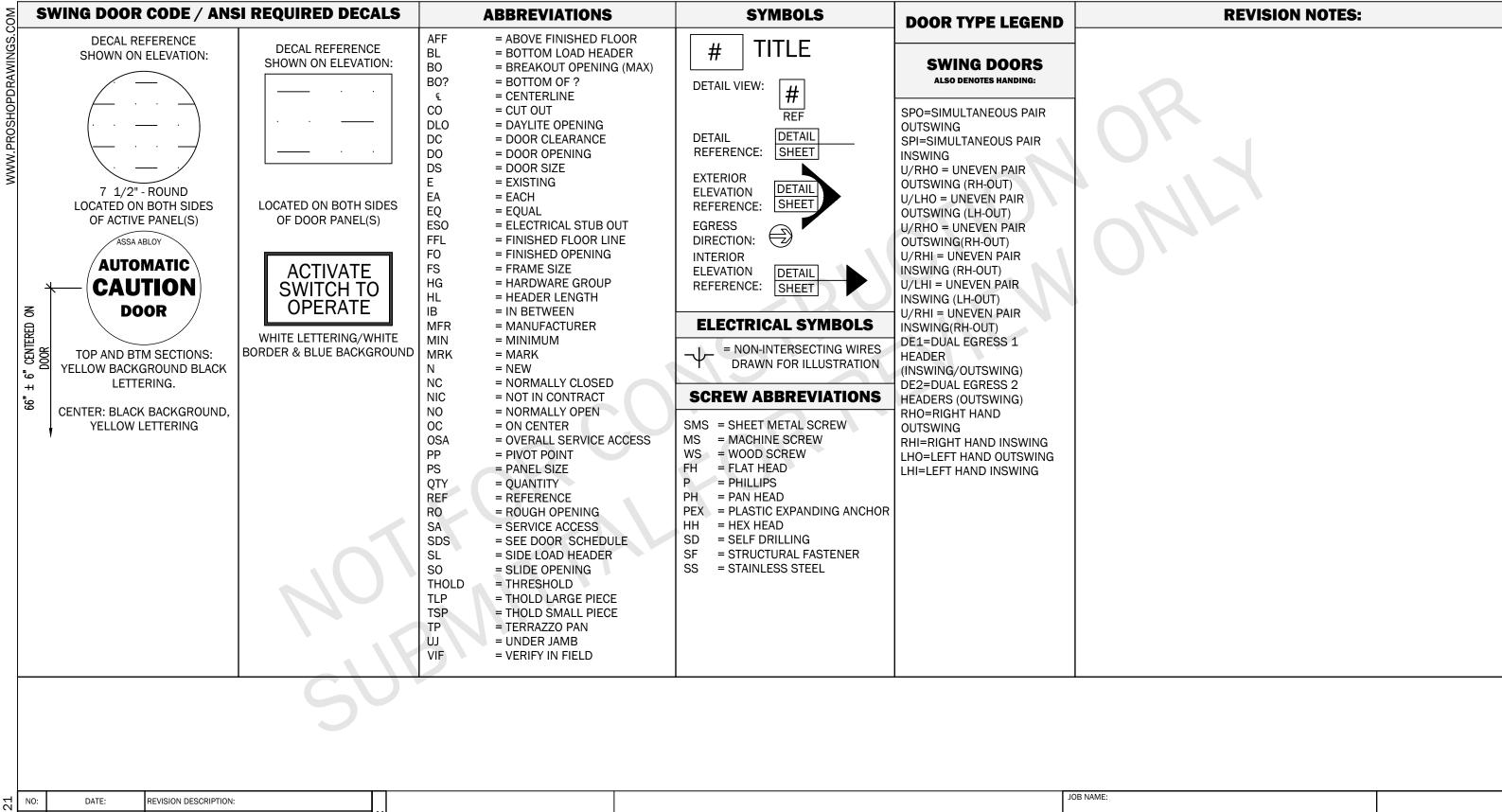
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SYMBOLS AND NOTES	102

IN-GROUND INSTALLATION GUIDELINES:

1. PENETRATIONS: THE CEMENT CASE MUST ONLY BE PENETRATED TO INSTALL ELECTRIC POWER SERVICE AND LOW VOLTAGE SIGNAL WIRES. USE OF LIQUID TIGHT FITTINGS IS A CODE REQUIREMENT BY THE NATIONAL ELECTRIC CODE (NEC). ATTACHMENTS TO THE CEMENT CASE COVER ARE NEVER PERMITTED.

PLEASE NOTE: IN CERTAIN EXTERIOR CONDITIONS (DOWNGRADE ELEVATION, OPENINGS WITH DIRECT CONTACT TO PRECIPITATION, EXTREME HUMIDITY OR OTHER SIMILAR CONDITIONS) A DRAIN SYSTEM OR PROVISION FROM THE UNIT IS RECOMMENDED. IN ADDITION, THE CONTROL UNIT SHOULD BE MOUNTED IN AN ELEVATED POSITION OR REMOTELY LOCATED SEPARATE FROM THE UNIT. CONDENSATION RESULTING FROM TEMPERATURE AND OR CLIMATIC CONDITIONS IS A NATURALLY OCCURRING PROCESS AND NOT A WARRANTY PROVISION.

- 2. SEALS: ALL SEALS PROVIDED WITH THE IN-GROUND OPENER SYSTEM MUST BE INSTALLED INCLUDING:
 - A. SPINDLE SEAL AT COVER
 - C. PERIMETER GASKET BETWEEN CEMENT CASE AND COVER

SPECIAL NOTE ON SEALS: ANY SEAL FOUND TO BE DAMAGED OR WORN MUST BE REPLACED IMMEDIATELY TO MAINTAIN THE WARRANTY.

- 3. THRESHOLD: ALL THRESHOLDS MUST BE MANUFACTURED BY AAES OR MANUFACTURED TO AAES SPECIFICATIONS SHOWN ON INCLUDED SHOP DRAWINGS. THRESHOLDS MUST BE MANUFACTURED TO ACCEPT ALL SEALS, MUST BE REMOVABLE FOR FUTURE SERVICE, WITHOUT REMOVING DOOR AS SHOWN ON INCLUDED SHOP DRAWINGS AND MUST BE ATTACHED TO THE SURROUNDING FLOOR WITHOUT PENETRATING THE CEMENT CASE OR CEMENT CASE COVER. ALL CEMENT CASE COVERS MUST HAVE A PERIMETER SEAL OF SILICONE OR SIMILAR WATER PROOFING SEALANT APPLIED TO KEEP WATER FROM ENCROACHING INTO THE CEMENT CASE.
- 4. PRESSURE WASHING IS NEVER PERMITTED AT OR NEAR THE IN-GROUND OPENER INSTALLATION.

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PRESS PLATE LOCATION(S) MUST CONFORM WITH CBC11B-305.3 AS INDICATED IN 11B-404.2.9 EXCEPTION 2C.

11B-305.4 KNEE AND TOE CLEARANCE. UNLESS OTHERWISE SPECIFIED, CLEAR FLOOR OR GROUND SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH SECTION 11B-306.

11B-305.5 POSITION. UNLESS OTHERWISE SPECIFIED, CLEAR FLOOR OR GROUND SPACE SHALL BE POSITIONED FOR EITHER FORWARD OR PARALLEL APPROACH TO AN ELEMENT.

11B-305.6 APPROACH. ONE FULL UNOBSTRUCTED SIDE OF THE CLEAR FLOOR OR GROUND SPACE SHALL ADJOIN AN ACCESSIBLE ROUTE OR ADJOIN ANOTHER CLEAR FLOOR OR GROUND SPACE.

11B-305.7 MANEUVERING CLEARANCE. WHERE A CLEAR FLOOR OR GROUND SPACE IS LOCATED IN AN ALCOVE OR OTHERWISE CONFINED ON ALL OR PART OF THREE SIDES, ADDITIONAL MANEUVERING CLEARANCE SHALL BE PROVIDED IN ACCORDANCE WITH SECTIONS 11B-305.7.1 AND 11B-305.7.1.

11B-305.7.1 FORWARD APPROACH. ALCOVES SHALL BE 36 INCHES WIDE MINIMUM WHERE THE DEPTH EXCEEDS 24 INCHES.

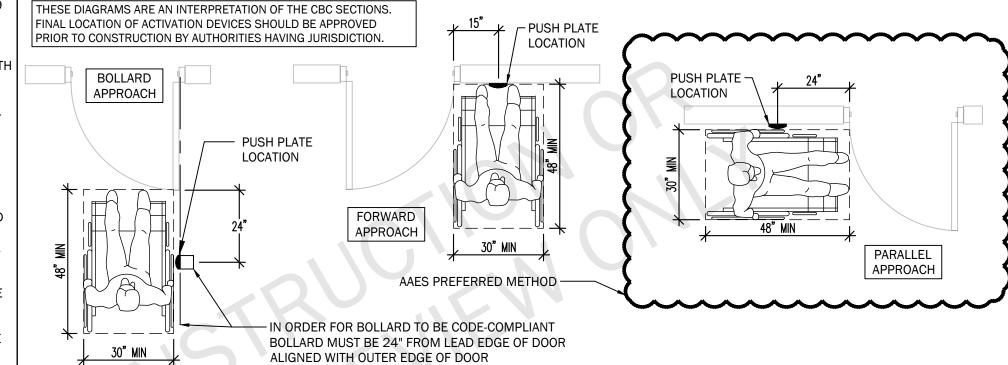
11B-305.7.2 PARALLEL APPROACH. ALCOVES SHALL BE 60 INCHES WIDE MINIMUM WHERE THE DEPTH EXCEEDS 15 INCHES.

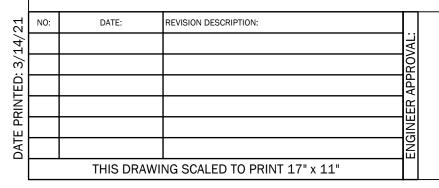
EXCEPTION-2C. POWERED DOORS SHALL BE CONTROLLED ON BOTH THE INTERIOR AND EXTERIOR SIDES OF THE DOORS BY SENSING DEVICES, PUSH PLATES, VERTICAL ACTUATION BARS OR OTHER SIMILAR OPERATING DEVICES COMPLYING WITH SECTIONS 11B-304, 11B-305 AND 11B-308.

AT EACH LOCATION WHERE PUSH PLATES ARE PROVIDED THERE SHALL BE TWO PUSH PLATES; THE CENTERLINE OF ONE PUSH PLATE SHALL BE 7 INCHES (178 MM) MINIMUM AND 8 INCHES (203 MM) MAXIMUM ABOVE THE FLOOR OR GROUND SURFACE AND THE CENTERLINE OF THE SECOND PUSH PLATE SHALL BE 30 INCHES (762 MM) MINIMUM AND 44 INCHES (1118 MM) MAXIMUM ABOVE THE FLOOR OR GROUND SURFACE. EACH PUSH PLATE SHALL BE A MINIMUM OF 4 INCHES (102 MM) DIAMETER OR A MINIMUM OF 4 INCHES BY 4 INCHES (102 MM BY 102 MM) SQUARE AND SHALL DISPLAY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH SECTION 11B-703.7.

AT EACH LOCATION WHERE VERTICAL ACTUATION BARS ARE PROVIDED THE OPERABLE PORTION SHALL BE LOCATED SO THE BOTTOM IS 5 INCHES (127 MM) MAXIMUM ABOVE THE FLOOR OR GROUND SURFACE AND THE TOP IS 35 INCHES (889 MM) MINIMUM ABOVE THE FLOOR OR GROUND SURFACE. THE OPERABLE PORTION OF EACH VERTICAL ACTUATION BAR SHALL BE A MINIMUM OF 2 INCHES (51 MM) WIDE AND SHALL DISPLAY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH SECTION 11B-703.7.

WHERE PUSH PLATES, VERTICAL ACTUATION BARS OR OTHER SIMILAR OPERATING DEVICES ARE PROVIDED, THEY SHALL BE PLACED IN A CONSPICUOUS LOCATION. A LEVEL AND CLEAR FLOOR OR GROUND SPACE FOR FORWARD OR PARALLEL APPROACH COMPLYING WITH SECTION 11B-305 SHALL BE PROVIDED, CENTERED ON THE OPERATING DEVICE. DOORS SHALL NOT SWING INTO THE REQUIRED CLEAR FLOOR OR GROUND SPACE.





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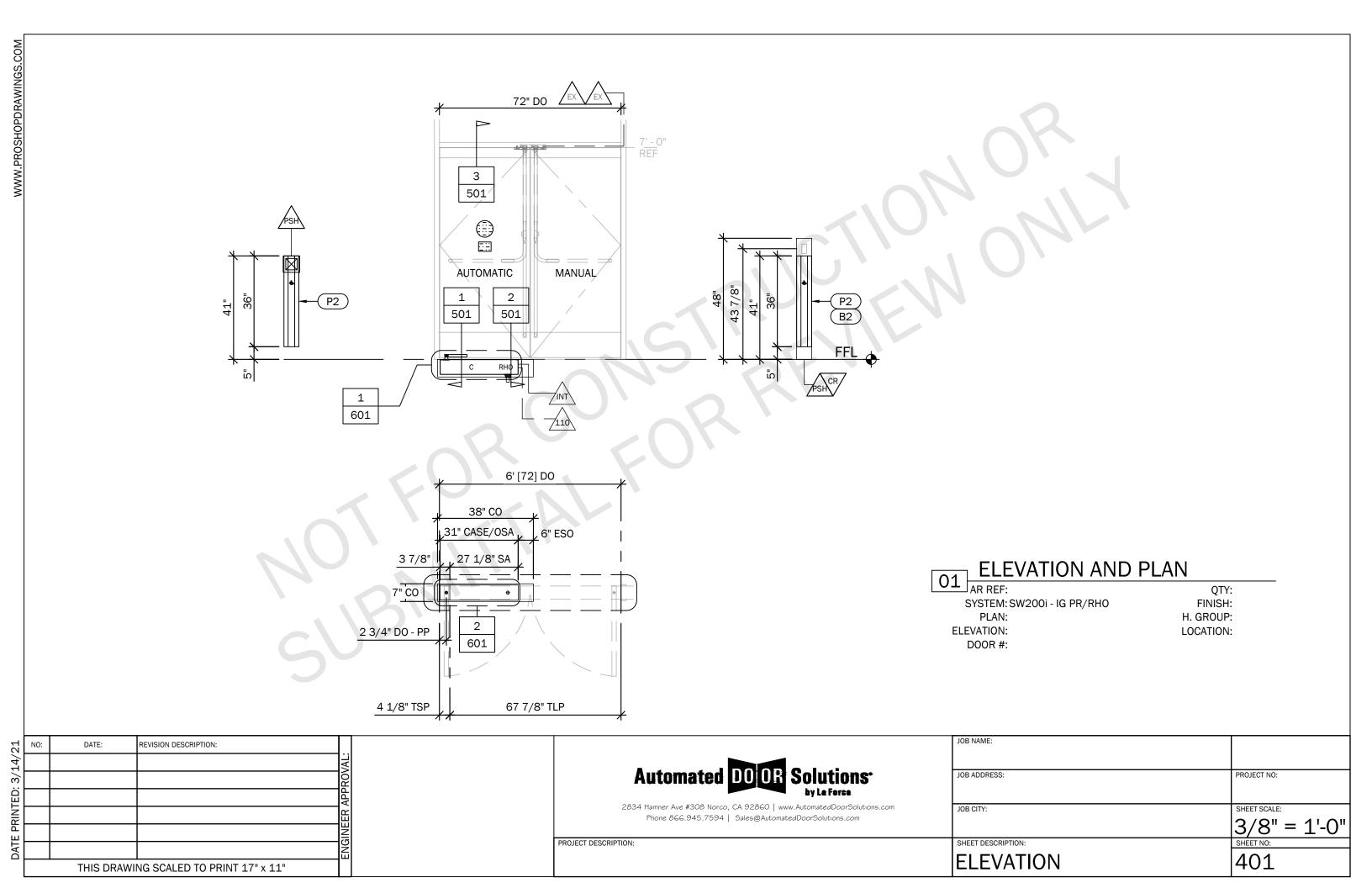
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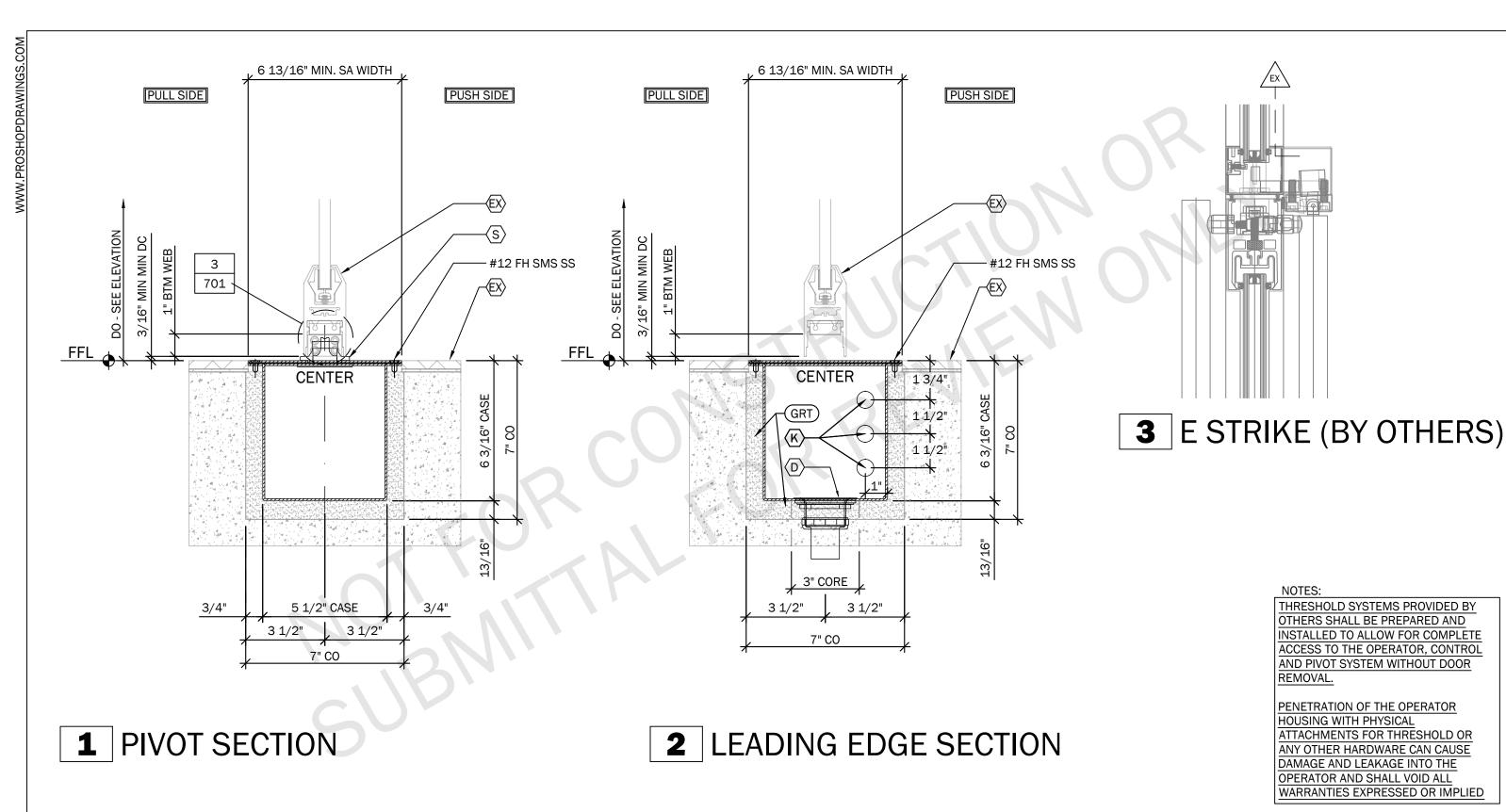
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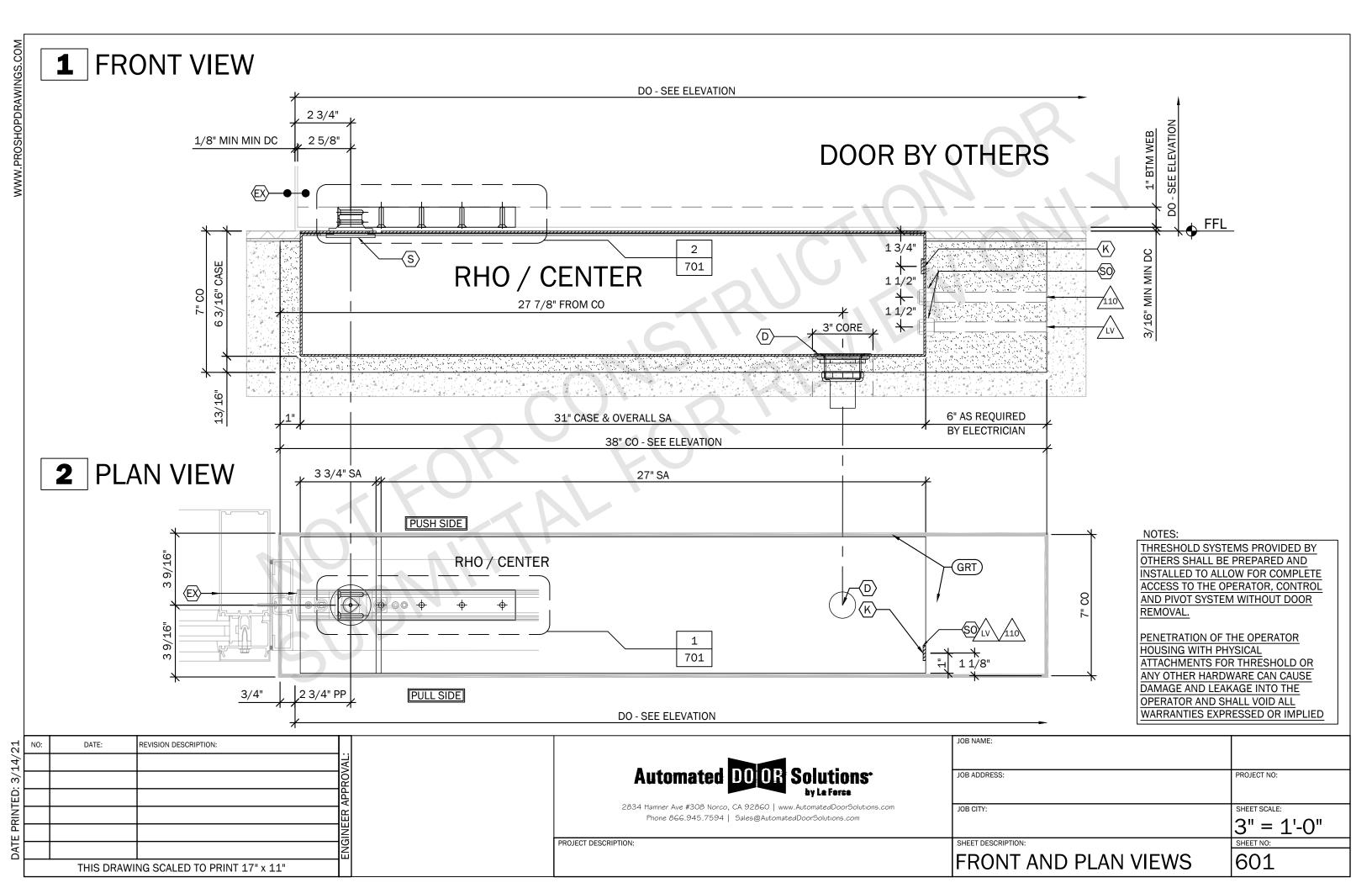
ELECTRICAL NOTES		PRODUCT SCHEDULE			# MATERIAL LIST			
0.89 110	SINGLE PHASE110VAC, DEDICATED GFCI CIRCUIT, REQUIRED. CONDUIT & WIRE	QTY	DESCRIPTION	MRK	QTY	DESCRIPTION		
Z	PULL BY DIVISION 16. EXCLUSION: 8/22 LOW VOLTAGE CABLING REQUIRED FOR AUTOMATIC OPENER	01 EA	SW200i IN-GROUND SWING DOOR OPERATOR(S)	GRT	-	MFR RECOMMENDED NON-SHRINKING GROUT		
TNI M	INTERFACE. CONDUIT & WIRE PULL BY OTHERS					PUSH PLATE: WIKK INGRESS'R VERTICAL ACTIVATION DEVICE WITH "PUSH		
SHOPDRAWI NO TAI	EXCLUSION: (2) CONDUIT REQUIRED FOR AUTOMATIC OPENER INTERFACE	• ISOL	ATED PIVOT HEAVY DUTY OPENER	P2	00 EA	TO OPEN" & INTERNATIONAL ADA SYMBOL ENGRAVED INTO FACEPLATE. FACE PLATE FINISH: BRUSHED STAINLESS STEEL 630		
S CON	BETWEEN PAIRED OPERATOR HOUSINGS. ONE CONDUIT FOR 110VAC AND ONE CONDUIT FOR INTERFACE. CONDUIT & WIRE PULL BY OTHERS	• CONF	FIGURED FOR AAES 109408 HD ENDLOAD DOOR ARM			ENGRAVING FINISH: BLUE POWDER COAT NOTE: SHOWN FOR ILLUSTRATION PURPOSE ONLY		
M. CR	EXCLUSION: CARD READER/REMOTE OPEN - (NO) DRY CONTACT - MOMENTARILY		S HP MOTOR			BOLLARD: WIKK BOLLARD SQ11 42" X 6" STAINLESS STEEL WITH CARD		
CR	CLOSES UPON VALID CARD READ. CONDUIT & WIRE PULL BY OTHERS. POWER SUPPLY: EXCLUSION, BY OTHERS. MOUNTED BY ELECTRICAL		ROPROCESSED CONTROL	B2	00 EA	READER ABOVE. FINISH: BRUSHED STAINLESS STEEL 630		
PS	CONTRACTOR. LOCATION MUST ALLOW FOR FUTURE SERVICE, AND MUST NOT BE		R COMPLIES WITH ANSI 156.19 STANDARDS	-		NOTE: SHOWN FOR ILLUSTRATION PURPOSE ONLY		
	OVER 50' FROM OPENING.	• SEE I	ELEVATION FOR SIZE AND CONFIGURATION		ADDITIONAL MATERIAL			
EX	EXCLUSION: 4/18 LOW VOLTAGE CABLING REQUIRED FOR ELECTRIC LATCH RETRACTION. CONDUIT & WIRE PULL BY OTHERS.		# NOTES	HEADE	ER CON	EALED ELECTRIC STRIKE INTERFACE		
LV	EXCLUSION: LOW VOLTAGE - SEE ELEVATION FOR ALL LOW VOLTAGE REQUIREMENTS. CONDUIT & WIRE PULL BY OTHERS. SHOWN FOR ELECTRICAL	EX	EXISTING FINISHED FLOOR, DOORS, FRAMES AND HARDWARE NOT SPECIFICALLY LISTED IS BY OTHERS.		\downarrow			
	PREPARATION REQUIREMENTS.	СО	CONCRETE CUTOUT BY OTHERS					
	EXCLUSION: 6/22 SHIELDED LOW VOLTAGE CABLING REQUIRED FOR EACH PRESS PLATE. 4S ELECTRICAL BOX REQUIRED WITH 1 OR 2 GANG MUD RING. CONDUIT,	K	3/4" ELECTRICAL KNOCKOUT					
PSH	BOX & WIRE PULL BY OTHERS. NOTE: MUST BE LOCATED 24" BEYOND SWING	S	SHAFT SEAL	1				
1 011	PATH OF DOOR TO BE CODE COMPLIANT. *THIS CABLE MUST BE CONTINUOUS FROM PRESS PLATE TO AUTOMATIC	С	C CHANNEL WELDED TO COVER	1				
	OPENER.		EXCLUSION: DRAINAGE *REQUIRED FOR WARRANTY. UNIT IS WATER RESISTANT, DRAIN IS FOR CONDENSATION THAT BUILDS UP OVER TIME INSIDE HOUSING.					
	GENERAL ELECTRICAL NOTES	D	THIS REQUIRES A 3" CORE DRILL. THIS IS A BRASS SINK DRAIN, 1" PIPE SIZE, 2"					
ALL E	K BOXES: ALL PUSH PLATE LOCATIONS PER ARCHITECTURAL DRAWINGS. HOWEVER, ACK BOXES MUST BE LOCATED 24" BEYOND SWING PATH OF DOOR TO BE CODE PLIANT.	Q	TOP DIAMETER AND 3 1/4" LONG. FITS 1 3/8" SINK OPENING, INCLUDES LOCKNUT AND RUBBER WASHER. THE ACTUAL PHYSICAL OUTER THREAD DIAMETER IS 1 19/64".					
OOIVII	LITATI.	SA	(SA) SERVICE ACCESS REQUIRED THRU-OUT THE CASE. HOWEVER, SERVICE ACCESS REQUIRED WITHOUT REMOVING DOOR. SHOWN AS SEPARATE SA.					
		SF	PENETRATION OF THE OPERATOR HOUSING WITH PHYSICAL ATTACHMENTS FOR THRESHOLD OR ANY OTHER HARDWARE CAN CAUSE DAMAGE AND LEAKAGE INTO THE OPERATOR AND SHALL VOID ALL WARRANTIES EXPRESSED OR IMPLIED					
			MAXIMUM WEIGHT OF DOOR IS 500 LBS	1				
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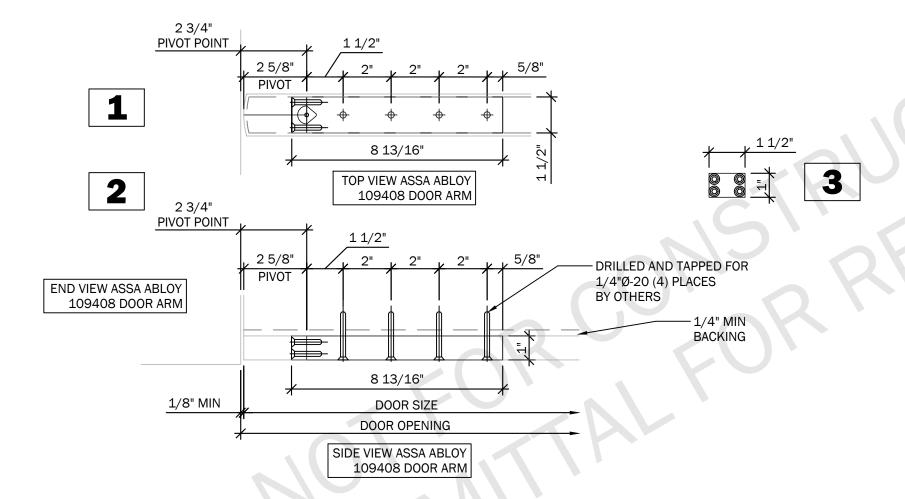




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