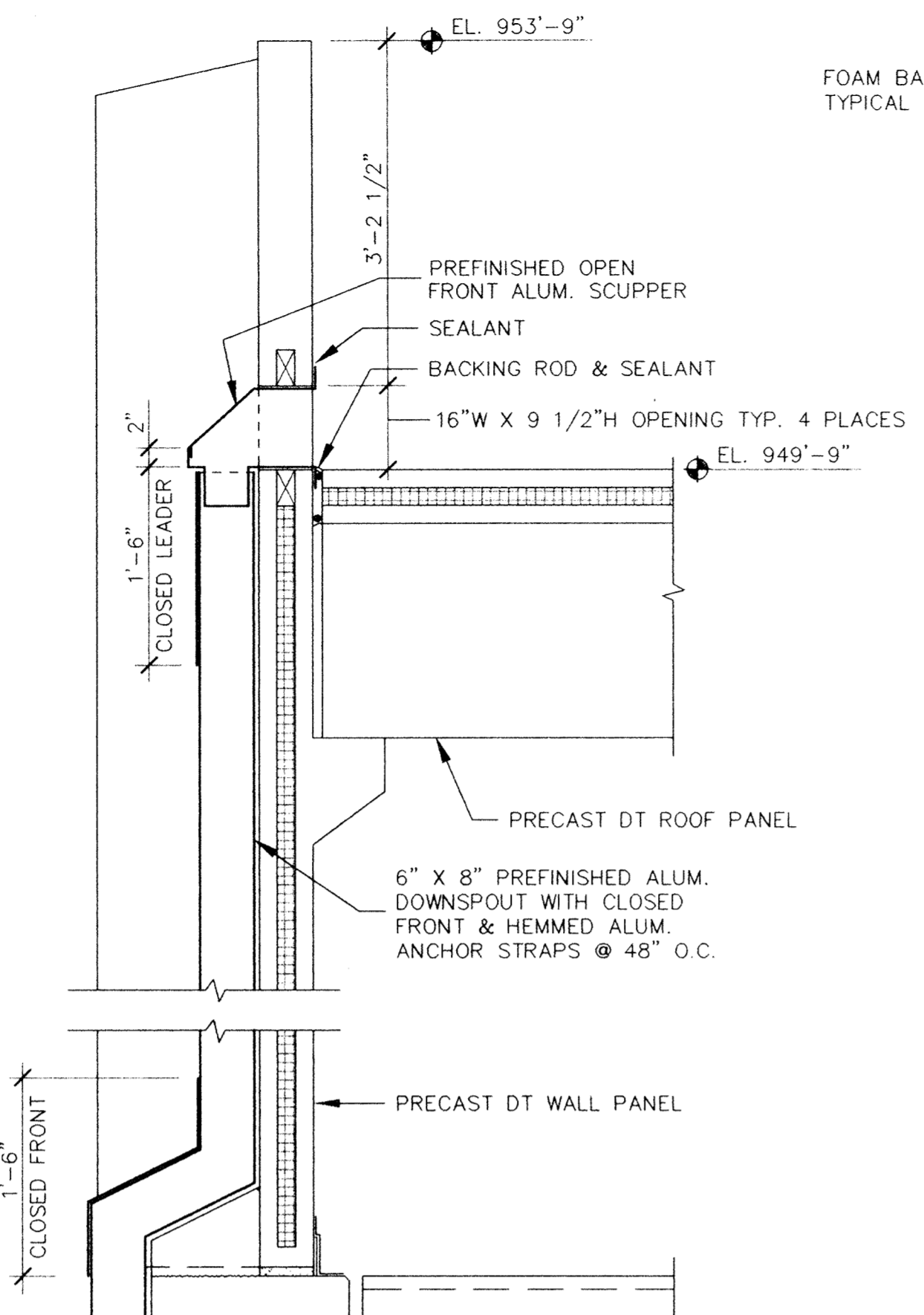
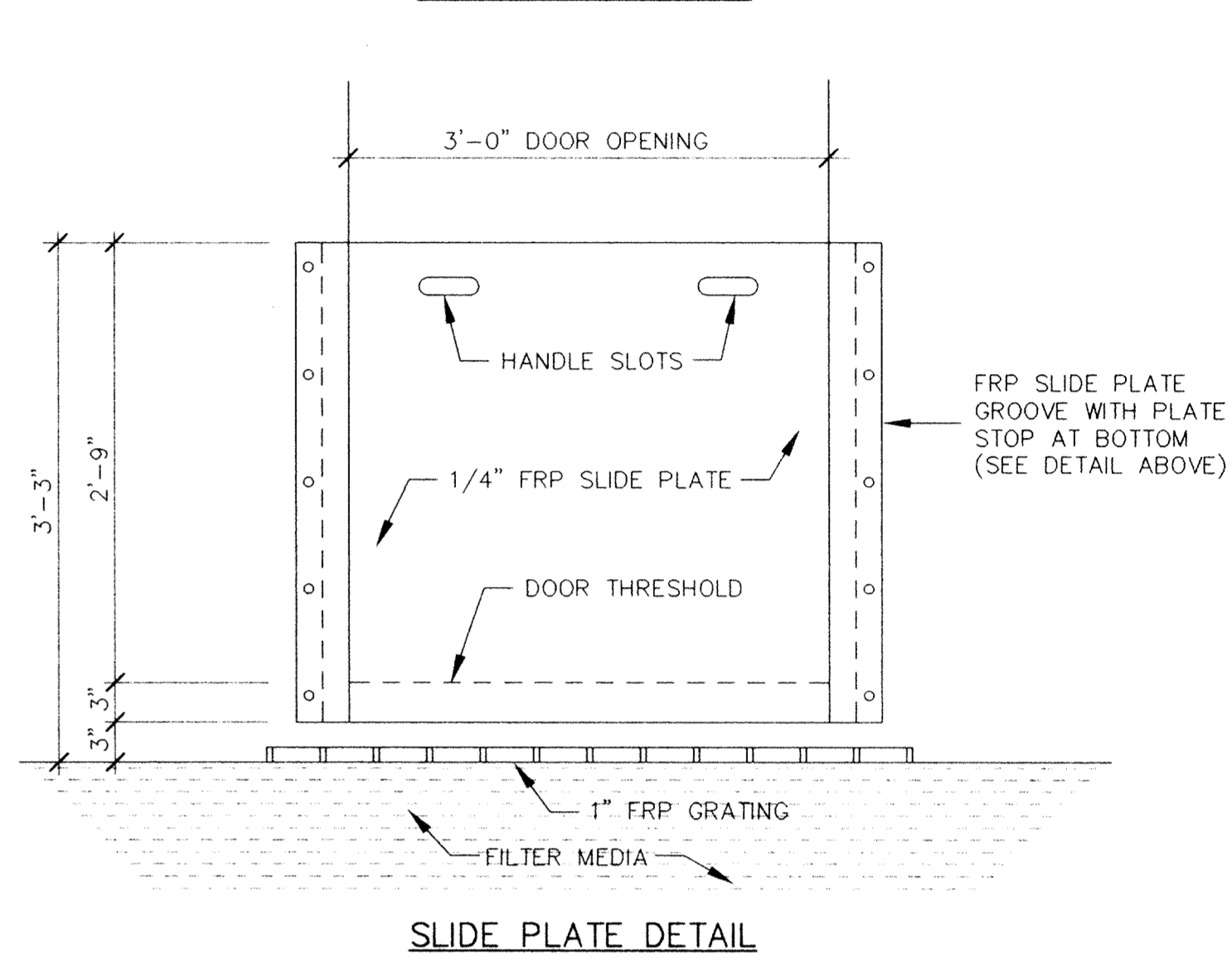
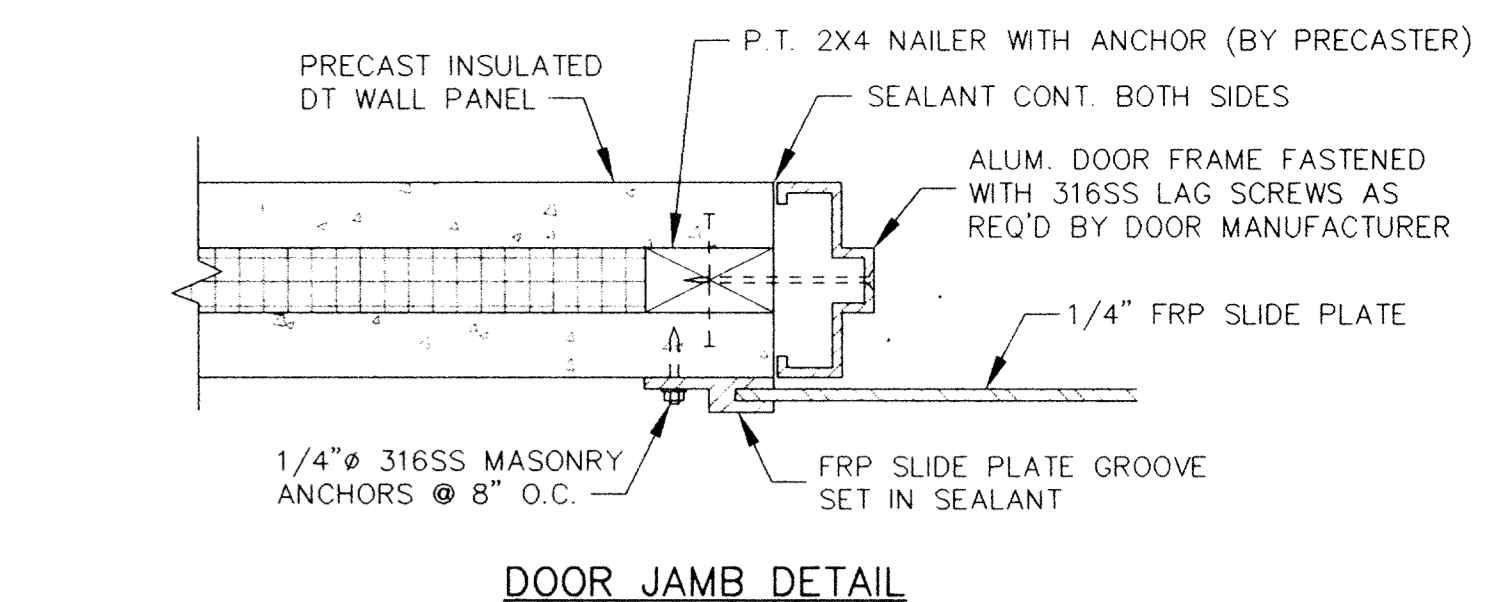


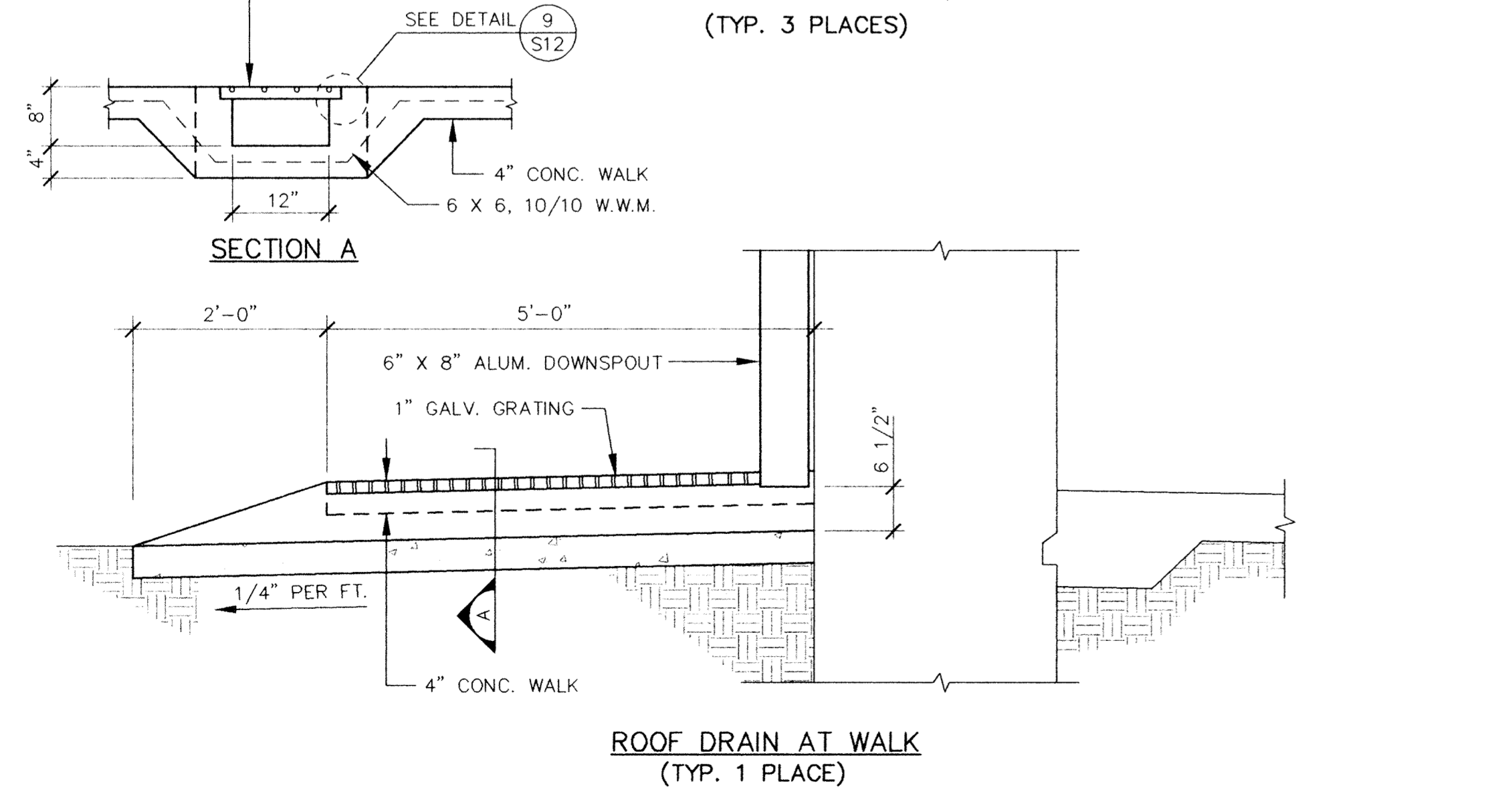
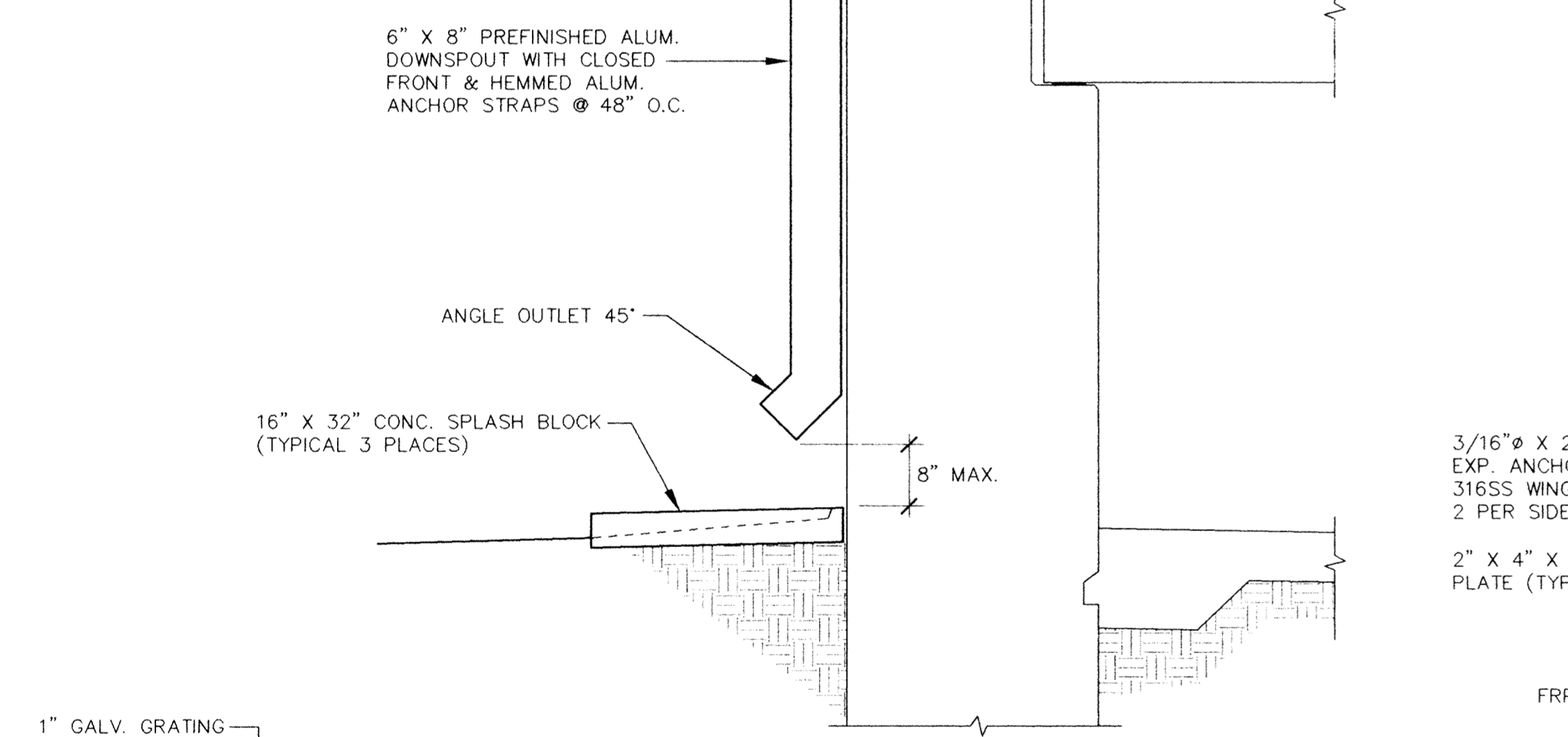
TRICKLING FILTER WALL DEFLECTION PLATE DETAIL 5
Scale: 1 1/2" = 1'-0" S11



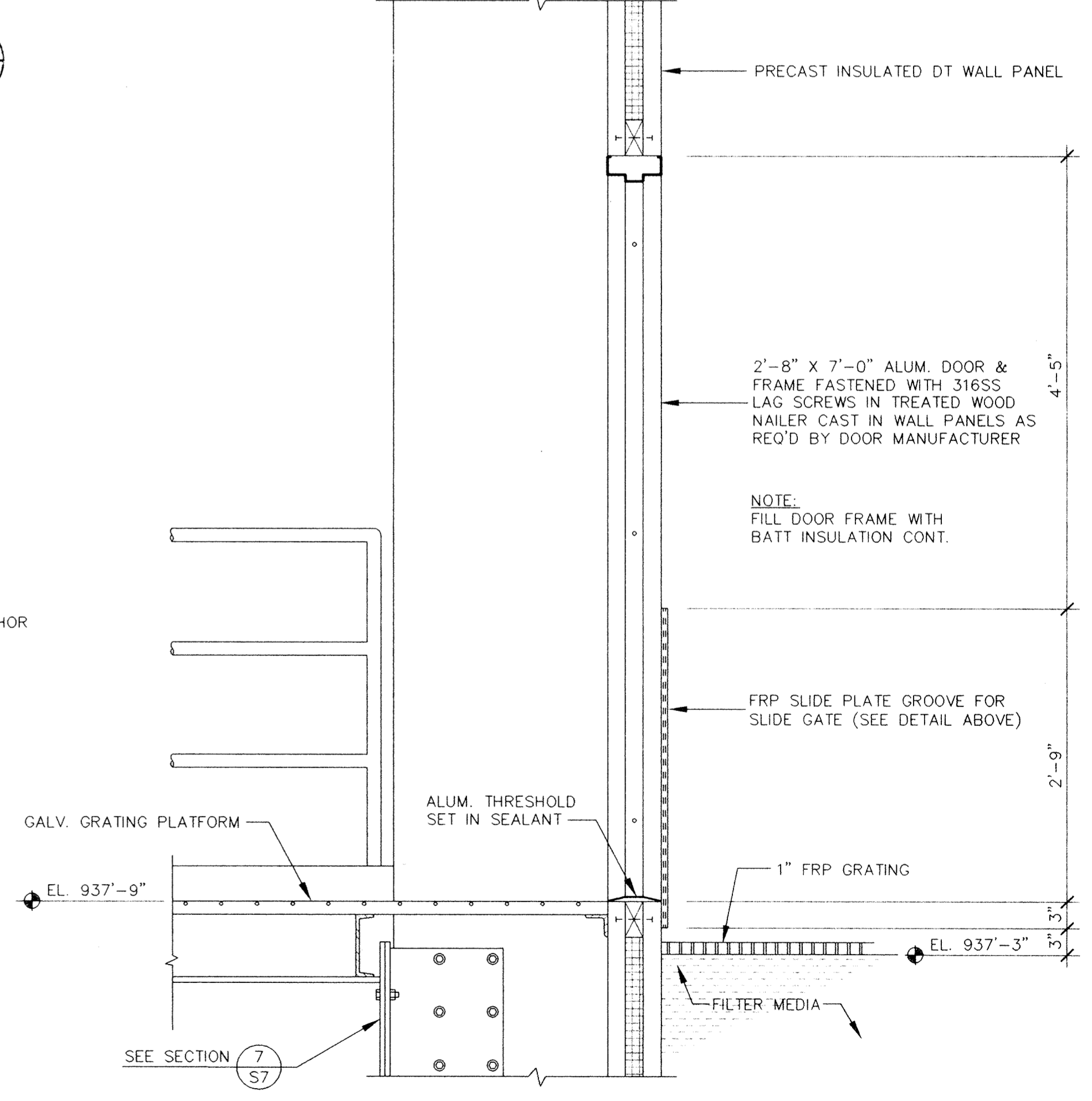
TYPICAL TRICKLING FILTER JOINT WATERPROOFING DETAILS 1
Scale: 1 1/2" = 1'-0" S11



TRICKLING FILTER DOOR SECTION 4
Scale: 1" = 1'-0" S11



TYPICAL TRICKLING FILTER AIR VENT DETAIL 3
Scale: 3/4" = 1'-0" S11



TRICKLING FILTER DOOR SECTION 4
Scale: 1" = 1'-0" S11

TYPICAL TRICKLING FILTER ROOF DRAIN DETAIL 2
Scale: 3/4" = 1'-0" S11

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
David L. Condit
DATE: 3/27/99 REG. NO. 22222

MSA
CONSULTING ENGINEERS

1326 ENERGY PARK DRIVE
ST. PAUL, MINNESOTA 55108
(612) 644-4389
9800 SHELARD PARKWAY
MINNEAPOLIS, MINNESOTA 55441
(612) 546-0432

DATE	DESCRIPTION	DESIGNED - GG
		CHECKED - L.J.L.
		DRAWN - GG
		GRAPHIC SCALE
		HORIZ. 1:00
		VERT. 1:00

CITY OF ELK RIVER WASTEWATER TREATMENT FACILITIES TRICKLING FILTER MISC. DETAILS		S11
DATE: DEC. 1993	SHEET 18 OF 41 SHEETS	
PROJECT NO. 230-151		

99t Feb 26 11:58:04 1994

ER151-17