

MARK	QTY	SIZE	RATING	STYLE	DESC.
A	1	4"	150 LB	STUDDED	INLET
B	4	3"	150 LB	OUTLET	OUTLET
C	1	1/2"	-	FNPT	AIR

		FILTER PRESS DESIGN / OPERATING CONDITIONS					
		FILTER / WASH			SQUEEZE		
OPERATING PRESSURE	MAX.	100 PSIG	6.89 BAR	7.03 kg/cm <sup>2</sup>	100 PSIG	6.89 BAR	7.03 kg/cm <sup>2</sup>
OPERATING TEMPERATURE	MAX.	115 °F	46.11 °C		115 °F	46.11 °C	
HYDRAULIC PRESSURE REQUIRED TO CLOSE	MIN.	2,963 PSIG	204.29 BAR	208.32 kg/cm <sup>2</sup>	2,963 PSIG	204.29 BAR	208.32 kg/cm <sup>2</sup>
	MAX.	3,244 PSIG	223.67 BAR	228.08 kg/cm <sup>2</sup>	3,244 PSIG	223.67 BAR	228.08 kg/cm <sup>2</sup>
AIR PRESSURE SETTING	MIN.	51 PSIG	3.52 BAR	3.59 kg/cm <sup>2</sup>	51 PSIG	3.52 BAR	3.59 kg/cm <sup>2</sup>
	MAX.	55 PSIG	3.79 BAR	3.87 kg/cm <sup>2</sup>	55 PSIG	3.79 BAR	3.87 kg/cm <sup>2</sup>
RELIEF VALVE SETTING	-	3,568	246.03 BAR	250.88 kg/cm <sup>2</sup>	3,568	246.03 BAR	250.88 kg/cm <sup>2</sup>

### GENERAL PRESS DATA:

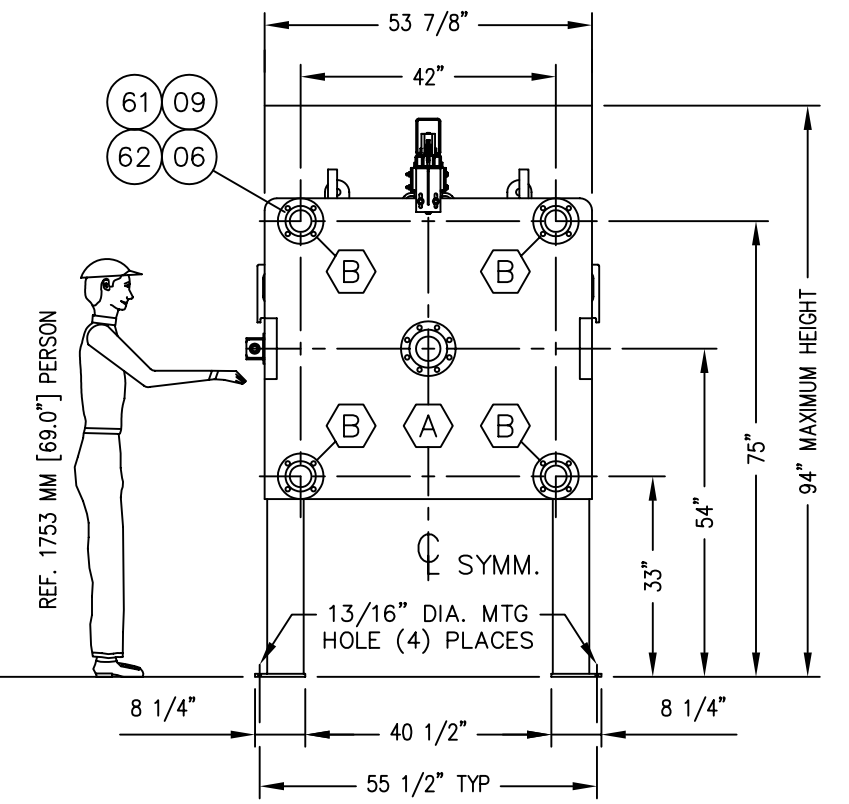
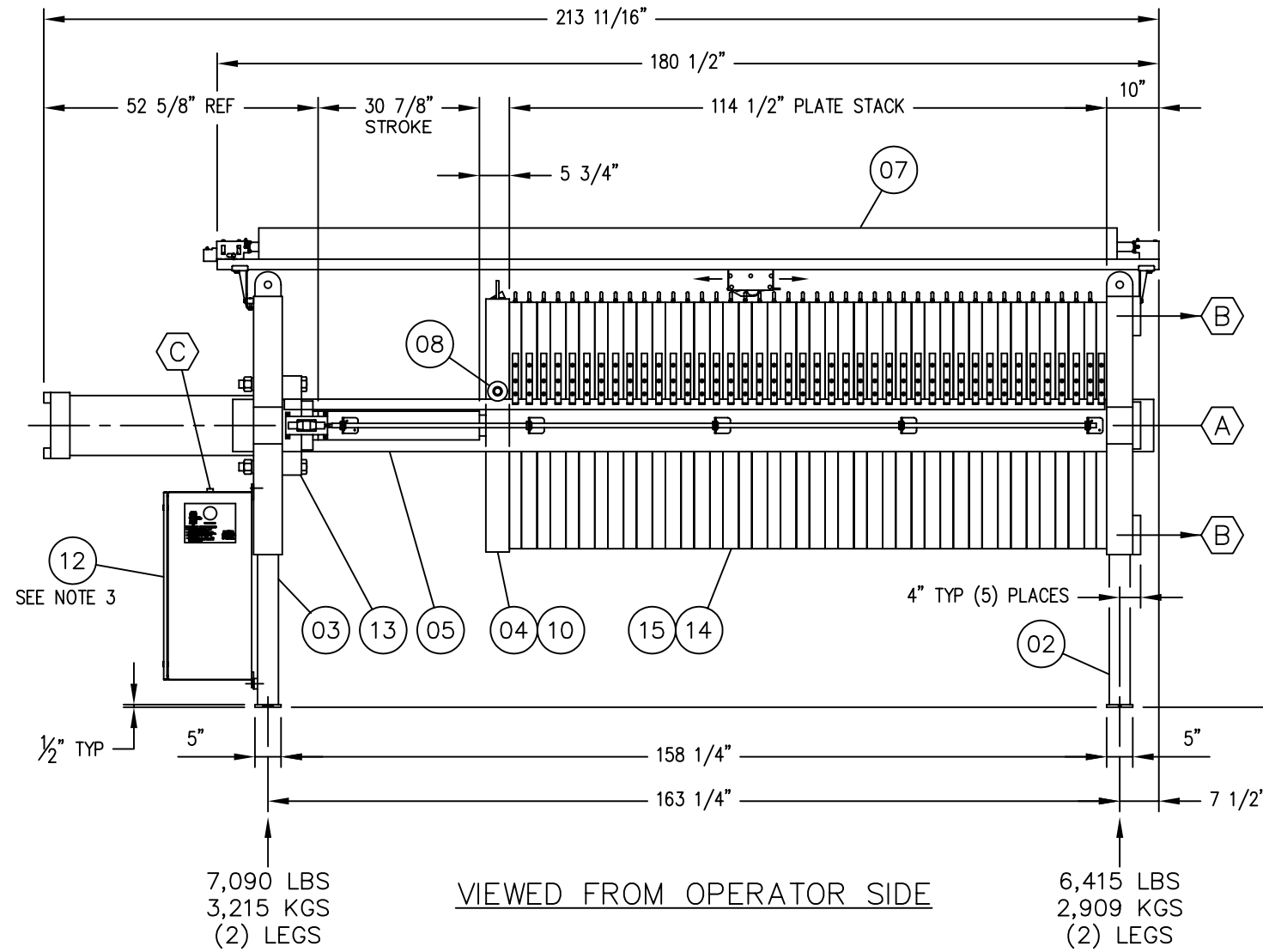
INITIAL PRESS CAPACITY - 50.7 CUBIC FEET  
INITIAL FILTRATION AREA - 995 SQ. FT.

### UNIT WEIGHTS:

SKELETON - 15,860 LBS  
PLATES - 4,800 LBS  
SHIPPING - 21,000 LBS  
OPERATING - 27,010 LBS

#### NOTES:

- OPERATING WEIGHT BASED ON CAKE WEIGHT OF 120 LBS/CU FT.
- ALL DIMENSIONS IN INCHES [mm].
- PNEUMATIC SHIFTER:  
AIR REQ'D: 70 PSIG @ 25 SCFM/CYCLE
- PLATE STACK DIMENSION INCLUDES ALLOWANCE OF 1/16" PER PLATE.
- FILTER PRESS IS DESIGNED FOR ZERO BACK PRESSURE.
- PRESS CONTROL CENTER IS LOCATED ON THE "OPERATING SIDE" OF THE THE FILTER PRESS.
- ALL CARBON STEEL SURFACES TO BE EPOXY PAINTED SAFETY BLUE.
- ALL FLANGE BOLT HOLES ARE TO STRADDLE NATURAL CENTERLINES.
- LINER PIPE MATERIAL AT LIQUID CONTACT POINTS IS POLYPROPYLENE.



VIEWED FROM OPERATOR SIDE

**CERTIFIED**  
**Bruce W. Hindle** 3:07 pm, 3/15/05

UNLESS OTHERWISE NOTED, ALL MACHINE SURFACES TO HAVE 125 RMS FINISH				
UNLESS OTHERWISE NOTED, TOLERANCES ARE				
ANGLES: ± 1/2"				
FRACTIONS: ± 1/16"				
DECIMAL:				
.X ± .03				
.XX ± .010				
.XXX ± .005				
.XXXX ± .0005				
1	JC	3/8/05	UPDATED SHIFTER & LIFT LUGS	
REV	BY	DATE	DESCRIPTION	

**ASCENSION INDUSTRIES**  
NORTH TONAWANDA, NEW YORK 14120

Title: **EP1200 (100 PSI) ASSEMBLY**  
**EPMM 1200/36-40 FILTER PRESS**

Scale: 3/8" = 1'      Drawn By: J. CERNE      2-16-05  
Checked:

SIZE	Dwg.Number	Sheet	Con't.On	Rev
B	FP05045-EP01	001	LAST	1

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