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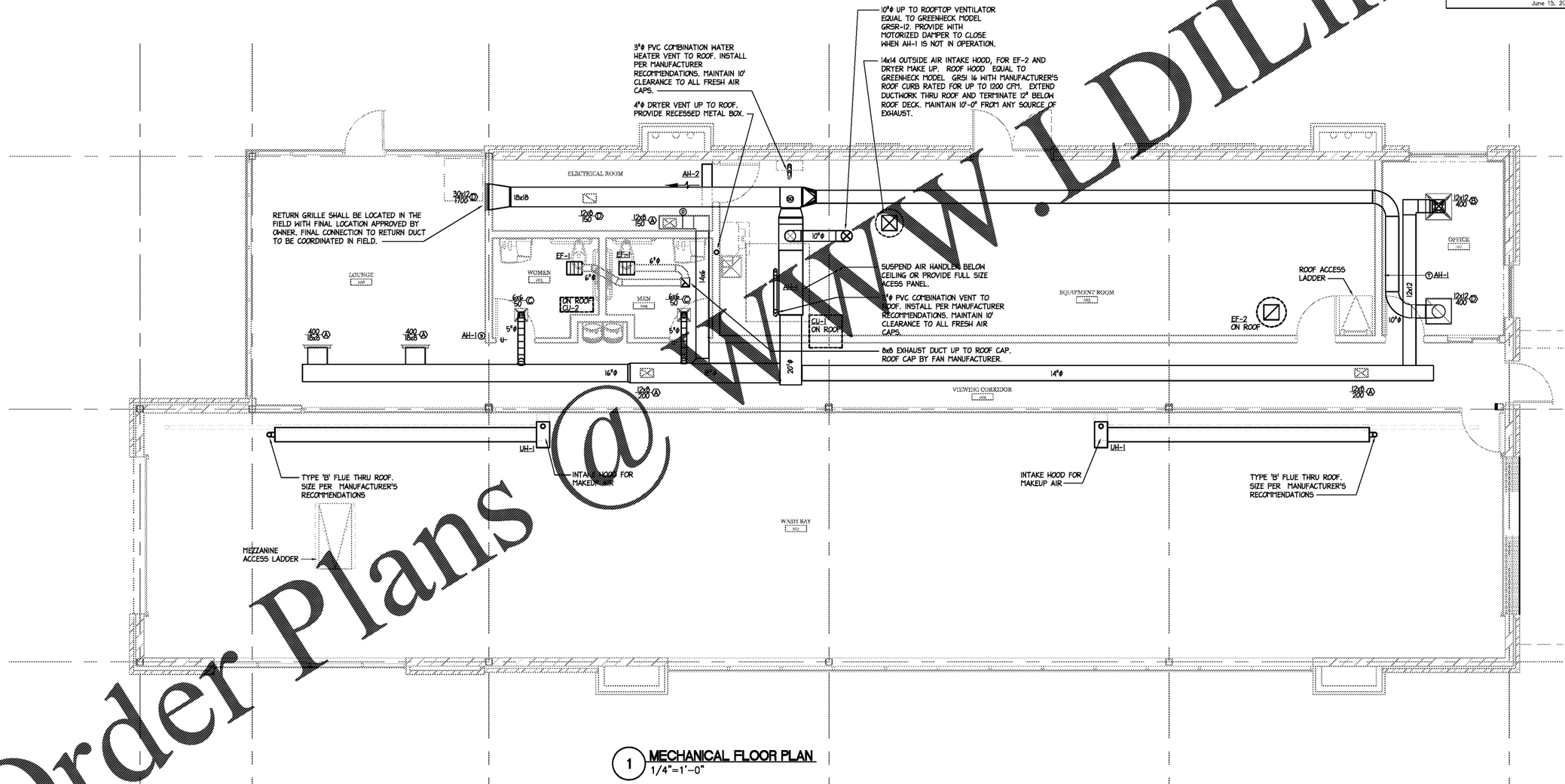
VENTILATION CALCULATIONS

BASED ON 2012 NCMC TABLE 403.3

	Floor Area	Area Outdoor Air Rate cfm/sqft	People Outdoor Air Rate cfm/person	Occupant Density #/1000 S.F	Occupancy	Outdoor Air Required	Ventilation Effectiveness (Ez)	Total Outdoor Air Required
AH-1								
Lobbies/Prefunction	331	0.06	7.5	30	10	94	0.8	118
Office Space	122	0.06	5	5	1	10	0.8	13
Corridor	375	0.06	0	0	0	23	0.8	28
Storage	91	0.12	0	0	0	11	0.8	14
					AH-1 TOTAL OUTSIDE AIR REQUIRED			173
					AH-1 TOTAL OUTSIDE AIR PROVIDED			200
EF-1								
Storage	724	0.12	0	0	0	87	0.8	109
					EF-1 TOTAL OUTSIDE AIR REQUIRED			109
					EF-1 TOTAL OUTSIDE AIR PROVIDED			1000



1 MECHANICAL FLOOR PLAN
1/4"=1'-0"

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