



EXTERIOR LOUVER SCHEDULE											
PLAN CODE	MANUFACTURER	MODEL #	TYPE	CONSTRUCTION	APPLICATION	CFM	SIZE (IN.)	PD (" W.C.)	FINISH	QUANTITY	NOTES
LVR #											
LVR 1	GREENHECK	ESD-435X	WEATHER	ALUMINUM	INTAKE	1,500	36"X36"H	0.015	SEE ARCH	1	1, 2, 3, 5, INTERLOCK TO OPEN DAMPER WITH EF-3

1. VERIFY FINAL LOCATION WITH ARCHITECT. 2. PRESSURE DROP NOT TO EXCEED SCHEDULE VALUE. 3. 100% MOTORIZED BACKDRAFT DAMPER. 4. 114" GALVANIZED MESH BIRD SCREEN. 5. INSECT SCREEN. 6. SECURITY BARS. 7. FILTER RACK. MENA-B FILTERS.

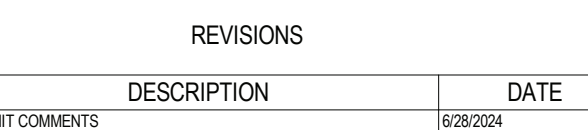
1. TAB-CEILING TYPE	5. MULTI-BLADE DAMPER	9. FILTER CORE: 10" X 20" X 1"	13. ENGINEERED RETURN PLENUM, OUTLET TO MATCH EXISTING ON PLANS, F.T.O. NEED SUPPLY DUCT PROVIDED FOR ALL LARGE RECTANGULAR PLenums	16. 3/4" SLOOT.	19. SQUARE TO ROUND ADAPTOR, MATCH RECTANGULAR AND NECK DIMENSIONS ON PLANS
2. SURFACE MOUNT, GYPOBOARD WALL/CeILING	6. ADJUSTABLE BLADES DAMPER	10. OILB CORE	14. PRESSURE RIEF CLAMP	17. 1.5" SLOOT.	20. TRANSFORMER ON MASTER OFF USER ONLY
3. SURFACE MOUNT, DOOR	7. REMOTE BALANCING DAMPER	11. FIRED CORE	15. 1" SLOOT.	18. FRAMELESS MOUNT FLUSH TO GYPOBOARD	
4. DUCT MOUNTED	8. PERFORATED A-WAY	12. ENGINEERED SUPPLY PLENUM, INLET TO MATCH NECK SIZE ON PLANS			

OUTSIDE AIR CALCULATIONS: IMC Code (table 403.3)											
HVAC SYSTEM:		RTU-1	7.5 Ton Cooling				Total SA = 3,000 CFM		Set OSA min set = 22.0%		
Room Type:	Room Name and Room #	Az	Rp	Ra	Default OSA	Pz	If all Return Air is at Ceiling Level	Effectiveness Factor = 0.8	Total Room Supply Air (SA) CFM	Total OSA CFM Provided	Result:
		AREA (sqft)	OSA per person	OSA CFM per sqft	People per 1000sqft	# of People	Total min OSA CFM req'd	Total minimum OSA CFM req'd			
Break Rooms (ASHRAE62.1 2016 1.6.2.2.1) Occupable Storage Rooms (ASHRAE62.1	101 - Kitchenette (PARTIAL)	234	5.0	0.12	50	12	87	108	900	198	Complies.
	102 - Stock Room/Pantry	300	5.0	0.06	2	1	21	26	475	105	Complies.
Corridors	103 - Corridor	342	0.0	0.06	0.0	0.0	21	26	400	88	Complies.
Corridors	104 - Corridor	134	0.0	0.06	0.0	0.0	8	10	50	11	Complies.
Toilet Rooms (EXHAUST)	105 - Women	64					0	0	50	11	Complies.
Toilet Rooms (EXHAUST)	106 - Men	63					0	0	100	22	Complies.
Toilet Rooms (EXHAUST)	109 - Unisex	81					0	0	100	22	Complies.
Office	111 - Flt. Ops. Office	120	5.0	0.06	5	1	10	13	125	28	Complies.
Office	112 - Maint. Office	119	5.0	0.06	5	1	10	13	125	28	Complies.
Conference	113 - Conf.	376	5.0	0.06	50	19	117	146	675	149	Complies.
Total Floor Area =		1,833	sqft		Totals =		273	341	3,000	660	

OUTSIDE AIR CALCULATIONS: IMC Code (table 403.3)									
HVAC SYSTEM:		GSH-1		0.0 Ton Cooling		Total SA = 8,565 CFM		Set OSA min set = 100.0%	
Room Type:	Room Name and Room #	Az	Rp	Default GCR	Pz	If all Return is at ceiling level	Effectiveness Factor = 0.8	Total Supply (SA) CFM	Total OSA CFM Provided
	AREA (sqft)	OSA per person	OSA CFM per sqft	People per 1000sqft	# of People	Total min OSA CFM req'd	Total minimum OSA CFM req'd		Result:
Warehouses	100 - Hangar	33,813	10.0	0.06	0.0	2,029	2,536	8,565	8,565
Total Floor Area =		33,813	sqft		Totals =	2,029	2,536	8,565	8,565
							Total min OSA req'd Return RA	Total min OSA CFM required	Total OSA Provided

OUTSIDE AIR CALCULATIONS: IMC Code (table 403.3)										
HVAC SYSTEM:		RTU-2				3.0 Ton Cooling		Total SA = 1,200 CFM		Set OSA min set = 20.0%
Room Type:	Room Name and Room #	Az	Rp	Ra	Default OSA min set = 20.0%	Pz	If as Return Air is Cooling Load Factor = 0.5	Effectiveness Factor = 0.5	Total Room Supply Air (SA) CFM	Total OSA CFM Provided
	AREA (sqft)	OSA per person	OSA CFM per sqft	People per 1,000sqft	# of People	Total minimum OSA CFM req'd	Total minimum OSA CFM req'd			
Occupable Storage Room (ASHRAE62.1)	114 - Maintenance Parts & Shop	808	5.0	0.06	2	2	57	71	1,200	240
Total Floor Area =		808	sqft		Totals =		57	71	1,200	240

OUTSIDE AIR CALCULATIONS: IMC Code (table 403.3)												
HVAC SYSTEM:		ERV-1		0.0 Ton Cooling			Total SA =		600 CFM		Set OSA min set = 100.0 %	
Room Type:	Room Name and Room #	Az	Rp	Ra	Default Oa Ceiling Level	Pz	If all return air is from ceiling level	Effectiveness factor = 0.8	Total Supply Air	Total OSA Provided	Result:	
	AREA (sqft)	OSA per person	OSA CFM per sqft	People per 1000sqft	# of People	OSA CFM req d	Total minimum OSA CFM req d	Total minimum OSA CFM req d	SA (SCF)	OSA Provided		
Break Rooms (ASHRAE 62.1 PARTIAL)	101 - Kitchenette (PARTIAL)	334	5.0	0.12	50	17	124	154	600	600	Complex.	
Total Floor Area =		334	sqft			Totals =	124	154	600	600	Total OSA Provided	



SIGNATURE STEWART (SWF)
HANGAR

1188 1ST STREET, NEW WINDSOR, NY 12553



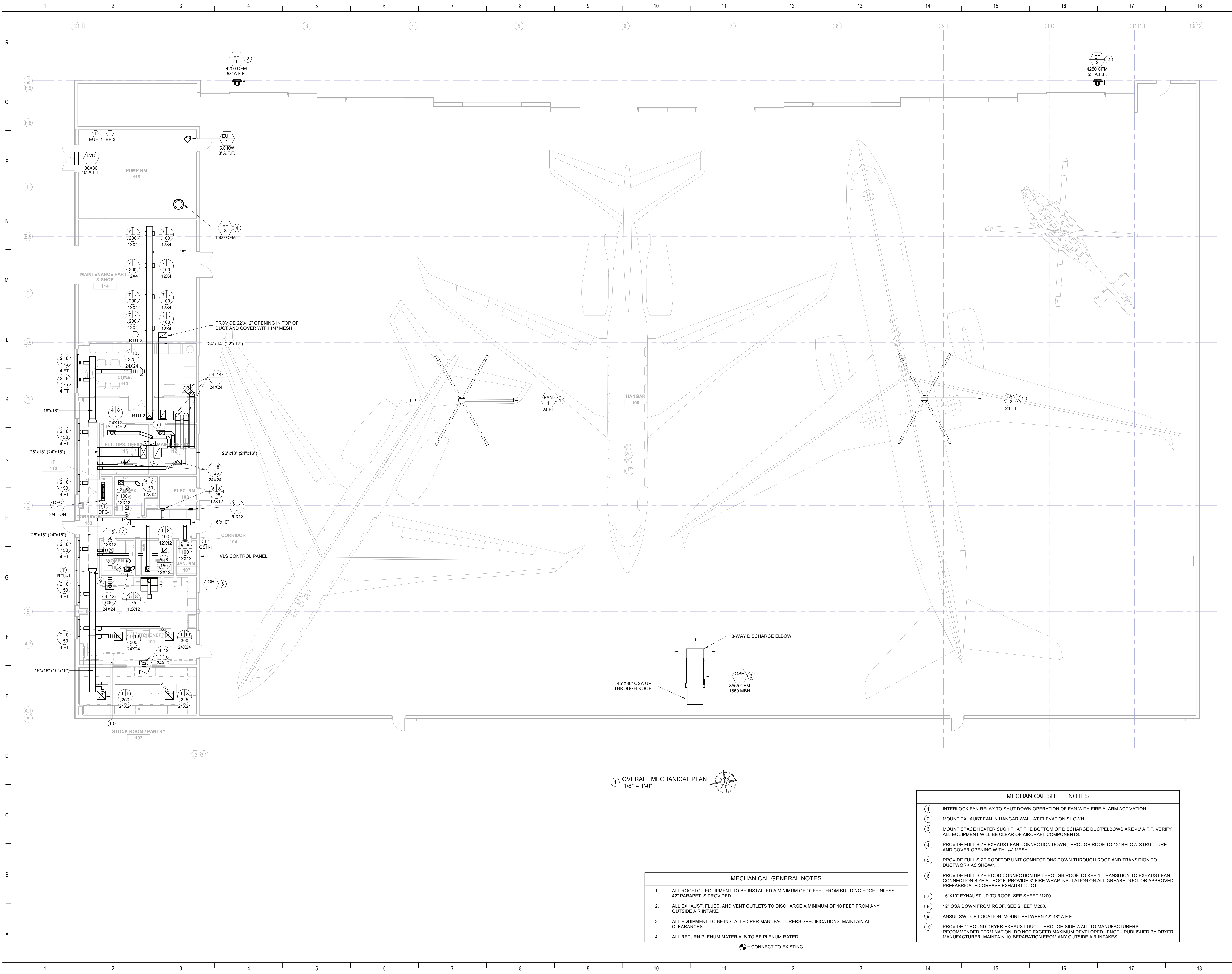
SIGNATURE FLIGHT SUPPORT
13485 VETERANS WAY, SUITE 600
ORLANDO, FLORIDA 32827

ISSUE DATE: 06/12/2024
COMM. NO.: 2023-177

DRAWN BY: JH CHECKED BY: DL / RS

MECHANICAL DETAILS AND SCHEDULES

M002



REVISIONS		
MARK	DESCRIPTION	DATE
PERMIT COMMENTS		02/28/2024

Key Plan

SIGNATURE STEWART (SWF)
HANGAR

1188 1ST STREET, NEW WINDSOR, NY 12553



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13485 VETERANS WAY, SUITE 600
ORLANDO, FLORIDA 32827

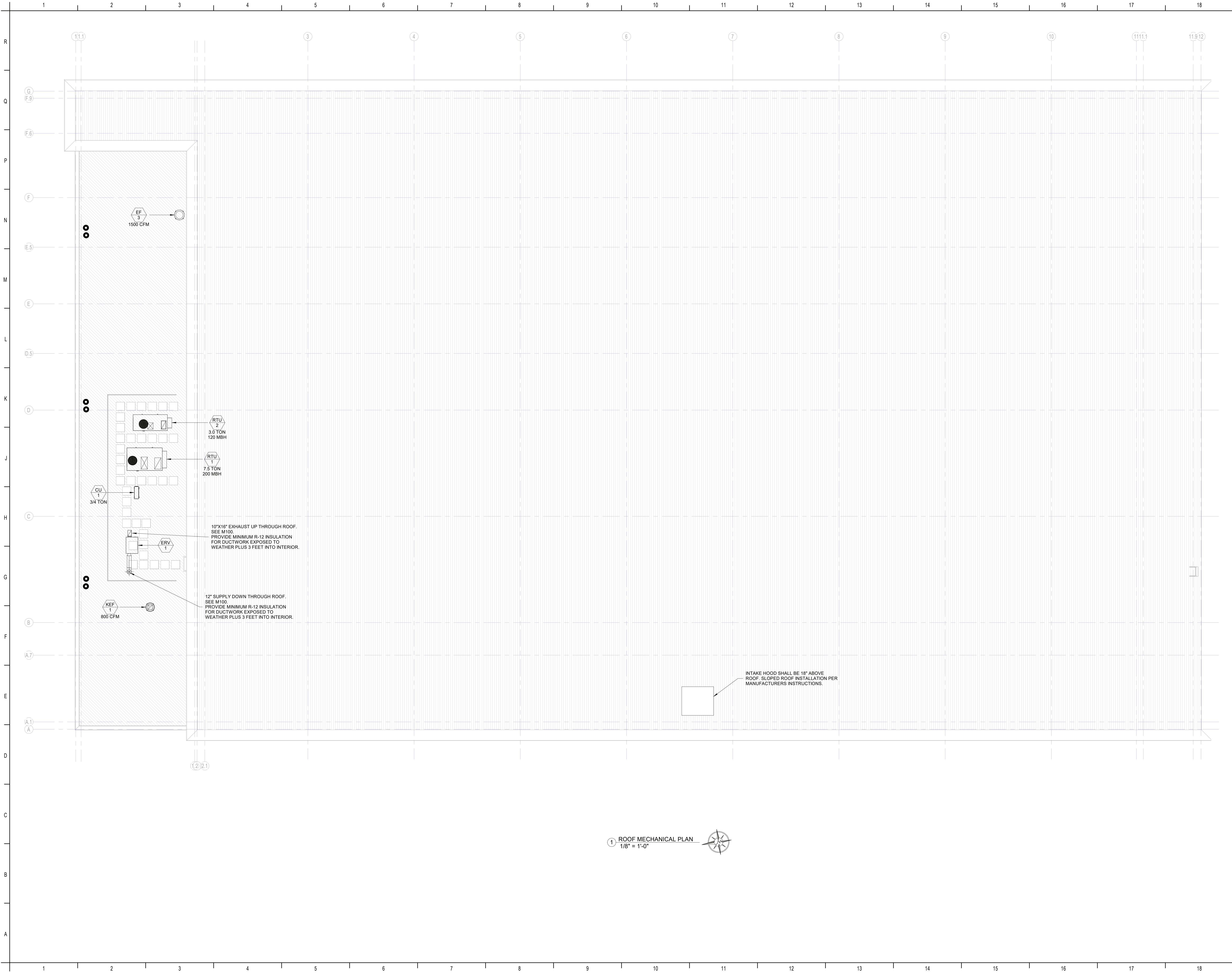
ISSUE DATE: 06/12/2024
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DRAWN BY: JH CHECKED BY: DL / RS

OVERALL MECHANICAL PLAN

M100

100% PERMIT SET



REVISIONS		
MARK	DESCRIPTION	DATE
1	PERMIT COMMENTS	9/26/2024

Key Plan

SIGNATURE STEWART (SWF)
HANGAR

1188 1ST STREET, NEW WINDSOR, NY 12553



SIGNATURE FLIGHT SUPPORT
13485 VETERANS WAY, SUITE 600
ORLANDO, FLORIDA 32827

ISSUE DATE: 06/12/2024
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DRAWN BY: JH CHECKED BY: DL / RS

ROOF MECHANICAL PLAN

M200

100% PERMIT SET