

**Heat Emitter Schedule**

Project: **UOW - Teaching & Learning Building**  
 Document no. **UW3986-GED-TL-ZZ-SH-M-0002**  
 Date: 11/02/2026  
 Heating Plant: ASHP  
 Issue: P01



Issue Notes:

		Design MWT 50.0 K										Radiators										
		Existing Heat Emitters										New Heat Emitters										
Room Ref. No.	Rad Ref.	Room Design Temp	Calculated Room Heat Loss [W]	Room Heat Loss With Safety Factor [W]	Existing Heat Emitter Type	Length [mm]	Height [mm]	Depth [mm]	Pipe Connections (Radiators Only)	Low Surface Temperature	Heat Output @ dT50K [W]	Heat Output @ Design dT [W]	Total Room Heat Output @ Design dT [W]	New Heat Emitter Type	New Length [mm] or Product Code	New Height [mm]	Pipe Connections (Radiators Only)	Low Surface Temperature	New Heat Output @ dT50K [W]	New Heat Output @ Design dT [W]	Heat emitter Status	New Total Room Heat Output @ Design dT [W]
GF/06	GF/R06	17.0°C	250	250	21	400	450		BOE	No	363	209	209	22	400	450	BOE	No	526	303	Replace	303
GF/08	GF/R08	17.0°C	190	190	21	400	450		BOE	No	363	209	209				BOE	No		209	Remain	209
GF/09	GF/R09A	19.0°C	1250	1,250	22	1000	450		BOE	No	1,193	632	1695				BOE	No	632	632	Remain	1695
GF/09	GF/R09B	19.0°C			22	1000	450		BOE	No	1,193	632					BOE	No	632	632	Remain	
GF/09	GF/R09C	19.0°C			22	1000	450		BOE	No	1,193	632					BOE	No	632	632	Remain	
GF/10	GF/R10A	19.0°C	2680	2,680	22	1000	450		BOE	No	1,193	632	5053				BOE	No	632	632	Remain	5053
GF/10	GF/R10B	19.0°C			22	1000	450		BOE	No	1,193	632					BOE	No	632	632	Remain	
GF/10	GF/R10C	19.0°C			22	1000	450		BOE	No	1,193	632					BOE	No	632	632	Remain	
GF/10	GF/R10D	19.0°C			22	1000	450		BOE	No	1,193	632					BOE	No	632	632	Remain	
GF/10	GF/R10E	19.0°C			22	1000	450		BOE	No	1,193	632					BOE	No	632	632	Remain	
GF/10	GF/R10F	19.0°C			22	1000	450		BOE	No	1,193	632					BOE	No	632	632	Remain	
GF/10	GF/R10G	19.0°C			22	1000	450		BOE	No	1,193	632					BOE	No	632	632	Remain	
GF/10	GF/R10H	19.0°C			22	1000	450		BOE	No	1,193	632					BOE	No	632	632	Remain	
GF/12	GF/R12A	19.0°C	1180	1,180	21	1000	450		BOE	No	908	481	1443				BOE	No	481	481	Remain	1443
GF/12	GF/R12B	19.0°C			21	1000	450		BOE	No	908	481					BOE	No	481	481	Remain	
GF/12	GF/R12C	19.0°C			21	1000	450		BOE	No	908	481					BOE	No	481	481	Remain	
GF/13	GF/R13A	19.0°C	1170	1,170	21	1000	450		BOE	No	908	481	1443				BOE	No	481	481	Remain	1443
GF/13	GF/R13B	19.0°C			21	1000	450		BOE	No	908	481					BOE	No	481	481	Remain	
GF/13	GF/R13C	19.0°C			21	1000	450		BOE	No	908	481					BOE	No	481	481	Remain	
GF/14	GF/R14A	19.0°C	1250	1,250	21	1000	450		BOE	No	908	481	1923				BOE	No	481	481	Remain	1923
GF/14	GF/R14B	19.0°C			21	1000	450		BOE	No	908	481					BOE	No	481	481	Remain	
GF/14	GF/R14C	19.0°C			21	1000	450		BOE	No	908	481					BOE	No	481	481	Remain	
GF/14	GF/R14D	19.0°C			21	1000	450		BOE	No	908	481					BOE	No	481	481	Remain	
GF/C02	GF/R02A	19.0°C	8560	8,560	10	1000	450		BOE	No	443	234	703	33	1000	500	BOE	No	1974	1,045	Replace	3136
GF/C02	GF/R02B	19.0°C			10	1000	450		BOE	No	443	234		33	1000	500	BOE	No	1974	1,045	Replace	
GF/C02	GF/R02C	19.0°C			10	1000	450		BOE	No	443	234		33	1000	500	BOE	No	1974	1,045	Replace	
GF/C02B	GF/R02D	19.0°C	470	470	10	400	450		BOE	No	177	94	94	22	400	450	BOE	No	526	279	Replace	279
GF/C03	GF/R03	17.0°C	410	410	21	1000	450		BOE	No	908	523	523				BOE	No	523	523	Remain	523
1F/04	1F/R04	17.0°C	210	210	21	400	450		BOE	No	363	209	209	22	400	450	BOE	No	526	303	Replace	303
1F/06	1F/R06	17.0°C	180	180	21	400	450		BOE	No	363	209	209				BOE	No		209	Remain	209
1F/07	1F/R07A	19.0°C	1960	1,960	21	1000	450		BOE	No	908	481	1923	22	1000	450	BOE	No	1316	697	Replace	2140
1F/07	1F/R07B	19.0°C			21	1000	450		BOE	No	908	481					BOE	No	481	481	Remain	
1F/07	1F/R07C	19.0°C			21	1000	450		BOE	No	908	481					BOE	No	481	481	Remain	
1F/07	1F/R07D	19.0°C			21	1000	450		BOE	No	908	481					BOE	No	481	481	Remain	
1F/08	1F/R08A	19.0°C	1920	1,920	21	1000	450		BOE	No	908	481	1443	22	1000	450	BOE	No	1316	697	Replace	2091
1F/08	1F/R08B	19.0°C			21	1000	450		BOE	No	908	481		22	1000	450	BOE	No	1316	697	Replace	
1F/08	1F/R08C	19.0°C			21	1000	450		BOE	No	908	481		22	1000	450	BOE	No	1316	697	Replace	
1F/09	1F/R09	19.0°C	720	720	21	1000	450		BOE	No	908	481	481	33	1000	500	BOE	No	1974	1,045	Replace	1045
1F/10	1F/R10	19.0°C	2210	2,210	21	1000	450		BOE	No	908	481	962	22	1200	450	BOE	No	1579	836	Replace	1672
1F/10	1F/R10	19.0°C			21	1000	450		BOE	No	908	481		22	1200	450	BOE	No	1579	836	Replace	
1F/14	1F/R14A	19.0°C	2820	2,820	22	1000	450		BOE	No	1,193	632	3158				BOE	No	632	632	Remain	3158
1F/14	1F/R14B	19.0°C			22	1000	450		BOE	No	1,193	632					BOE	No	632	632	Remain	
1F/14	1F/R14C	19.0°C			22	1000	450		BOE	No	1,193	632					BOE	No	632	632	Remain	
1F/14	1F/R14D	19.0°C			22	1000	450		BOE	No	1,193	632					BOE	No	632	632	Remain	
1F/14	1F/R14E	19.0°C			22	1000	450		BOE	No	1,193	632					BOE	No	632	632	Remain	
1F/15	1F/R15	19.0°C	3040	3,040	21	1000	450		BOE	No	908	481	481	22	1000	450	BOE	No	1316	697	Replace	697
1F/C01	1F/R01	17.0°C	3450	3,450	10	1000	450		BOE	No	443	255	255	33	1000	500	BOE	No	1974	1,136	Replace	1136
2F/04	2F/R04	17.0°C	290	290	21	400	450		BOE	No	363	209	209	22	500	450	BOE	No	658	378	Replace	378
2F/06	2F/R06	17.0°C	270	270	21	400	450		BOE	No	363	209	209	22	400	450	BOE	No	526	303	Replace	303
2F/14	2F/R14A	19.0°C	940	940	22	1600	450		BOE	No	1,908	1,011	2021				BOE	No	1,011	1,011	Remain	2021
2F/14	2F/R14B	19.0°C			22	1600	450		BOE	No	1,908	1,011					BOE	No	1,011	1,011	Remain	
2F/C02	2F/R02	17.0°C	1790	1,790	21	1000	450		BOE	No	908	523	523	33	1000	500	BOE	No	1974	1,136	Replace	1136
2F/C03	2F/R03	17.0°C	760	760	21	1000	450		BOE	No	908	523	523	33	1000	500	BOE	No	1974	1,136	Replace	1136
2F/C04	2F/R04	17.0°C	730	730	21	1000	450		BOE	No	908	523	523	22	1000	450	BOE	No	1316	757	Replace	757

Existing radiator nominal outputs have been taken from typical values for each radiator type. These values are indicative and may vary from actual heat output.

Radiators highlighted in grey are to be replaced/added.

Total heat output in orange texts suggest that the total heat output for all existing radiators in the room is lower than the room heat loss inc. safety factor.

Total heat output in red texts suggest that the total heat output for all existing radiators in the room is lower than the room heat loss exc. safety factor.

Proposed radiators are Stralad

Proposed Fan Convectors are Myson Fan Convectors

All radiators to be rebalanced following commissioning

All radiators to have TRVs added if not already in place

Key: R - Radiator  
 FC - Fan Convector  
 FCU - Fan Coil Unit  
 UH - Unit Heater