

USE DAYLIGHT FACTOR

PROJECT NO: 9546  
RELEASE 17

DAYLIGHT AND SUNLIGHT ANALYSIS  
NORTH CHINA

MAY 2020

Annual Probable Sunlight Hours												
Vertical Sky Component (Windows)				Average Daylight Factor				Annual Probable Sunlight Hours				
Room	Room Use	Window	Consent	Indicative	Loss	%	Consent	Indicative	Loss	%	Total	
Floor	Room	Room Use	Window	Consent	Indicative	%	Consent	Indicative	Loss	%	Total	
R1	LIVING ROOM	W1	W6	5.5	5.3	3.6	70.8	84.8	-14.0	-19.8	140	
R1	LIVING ROOM	W1	W6	25.3	26.3	-0.2	-4.0	24.0	21.0	1	23	
R1	LIVING ROOM	W1	W6	13.0	12.6	0.4	3.1	79.0	84.4	-5.4	-6.8	210
R2	KITCHEN	W2	W2	24.3	25.4	-1.1	-4.8	91.6	91.0	0.6	0.7	310
R2	BEDROOM	W3	W3	22.7	23.8	-1.1	-4.8	78.5	78.0	-0.5	-0.7	190
R3	BEDROOM	W4	W4	20.4	21.5	-1.1	-5.4	87.0	86.5	-0.5	-0.7	200
R4	BEDROOM	W5	W5	19.2	20.4	-1.2	-5.4	72.8	72.3	-0.5	-0.7	210
R4	LIVING ROOM	W6	W6	25.7	26.5	-1.1	-4.3	71.1	65.8	-5.7	-6.7	210
R1	LIVING ROOM	W1	W1	19.3	19.0	0.3	1.6	79.0	84.4	-5.4	-6.8	220
R2	KITCHEN	W2	W2	24.6	24.6	0.0	0.0	91.6	91.0	0.6	0.7	420
R3	BEDROOM	W3	W3	23.4	22.5	-1.1	-5.0	80.8	89.2	2.4	-2.8	210
R4	BEDROOM	W4	W4	21.6	21.5	-1.1	-5.0	75.0	88.1	-15.1	-20.7	220
R4	LIVING ROOM	W5	W5	6.3	6.3	0.3	4.5	71.3	85.5	-14.2	-19.9	160
R4	LIVING ROOM	W6	W6	25.5	26.7	-0.2	-4.7	71.3	85.5	-14.2	-19.9	230
R1	LIVING ROOM	W1	W1	22.1	22.7	0.0	0.0	63.6	77.6	-14.0	-22.0	50
R2	KITCHEN	W2	W2	22.9	24.1	-1.1	-4.5	86.2	87.4	-1.2	-1.4	190
R3	BEDROOM	W3	W3	20.6	21.8	-0.2	-5.8	69.5	85.8	-16.3	-23.5	200
R4	BEDROOM	W4	W4	8.6	8.4	0.2	2.3	65.5	83.2	-17.7	-27.0	190
R4	LIVING ROOM	W5	W5	26.6	26.4	-0.2	-4.7	71.3	85.5	-14.2	-19.9	250
R4	LIVING ROOM	W6	W6	20.5	20.2	0.3	1.5	100.0	100.0	0.0	0.0	180
R1	LIVING ROOM	W1	W2	15.9	17.1	-0.2	-7.5	99.3	99.3	0.2	0.2	480
R1	LIVING ROOM	W1	W2	23.9	24.2	-0.3	-1.3	99.5	99.3	0.2	0.2	130
R2	UNKNOWN	W3	W2	26.4	26.8	-0.4	-1.5	99.5	99.3	0.2	0.2	71
R2	UNKNOWN	W4	W3	26.1	26.7	-0.3	-1.1	99.5	99.3	0.2	0.2	650
R2	UNKNOWN	W5	W4	26.5	26.1	-0.4	-1.5	99.5	99.3	0.2	0.2	70
R2	UNKNOWN	W6	W5	16.6	16.6	0.0	0.0	99.5	99.3	0.2	0.2	630
R2	UNKNOWN	W7	W6	12.0	12.2	-0.2	-1.7	99.5	99.3	0.2	0.2	610
R2	UNKNOWN	W8	W7	25.9	26.3	-0.4	-1.5	99.5	99.3	0.2	0.2	600
R2	UNKNOWN	W9	W8	25.5	25.9	-0.4	-1.6	100.0	100.0	0.0	0.0	630
R2	UNKNOWN	W10	W9	27.9	28.0	-0.1	-0.4	99.8	99.6	0.2	0.2	630
R2	UNKNOWN	W11	W10	27.6	27.7	-0.1	-0.4	99.8	99.6	0.2	0.2	630
R2	UNKNOWN	W12	W11	28.7	28.9	-0.2	-0.7	99.8	99.6	0.2	0.2	630
R2	UNKNOWN	W13	W12	28.7	28.9	-0.2	-0.7	99.8	99.6	0.2	0.2	630

## NORTH DAY

FLOOR	ROOM	ROOFTOP	WINDOW	VERTICAL SKY COMPONENT (WINDOWS)			ROOFLINE			AVERAGE DAYLIGHT FACTOR			ANNUAL PROBABLE SUNLIGHT HOURS			ANNUAL PROBABLE SUNLIGHT HOURS		
				WINDOW	ROOFLINE	WINDOW	WINDOW	ROOFLINE	WINDOW	WINDOW	WINDOW	WINDOW	WINDOW	WINDOW	WINDOW	WINDOW	WINDOW	WINDOW
R0	R1	UNKNOWN	W1	30.0	30.7	-0.7	-2.3	100.0	100.0	0.0	0.0	7.0	22	78	21	-1.3	4.5	
R1	R1	UNKNOWN	W1	29.7	30.4	-0.7	-2.4	99.7	99.7	0.0	0.0	7.0	21	78	21	-0.3	-0.5	
R2	R2	UNKNOWN	W1	30.0	30.5	-0.5	-2.0	100.0	100.0	0.0	0.0	7.0	21	78	21	-2.6	0	
R3	R3	UNKNOWN	W2	29.4	30.0	-0.6	-2.0	100.0	100.0	0.0	0.0	7.0	21	78	21	-2.6	0	
R4	R4	UNKNOWN	W2	14.0	14.0	-0.6	-2.0	59.4	58.7	0.3	0.3	4.0	4	4	4	-2.6	0	
R5	R5	UNKNOWN	W2	0.0	0.0	0.0	0.0	99.3	99.0	0.0	0.0	0.0	0	0	0	-2.6	0	
R6	R6	UNKNOWN	W2	2.0	2.0	-0.6	-2.0	100.0	100.0	0.0	0.0	7.0	21	78	21	-2.6	0	
R7	R7	UNKNOWN	W2	4.0	4.0	-0.6	-2.1	100.0	100.0	0.0	0.0	7.0	21	78	21	-2.6	0	
R8	R8	UNKNOWN	W2	29.1	29.7	-0.6	-2.1	100.0	100.0	0.0	0.0	7.0	21	78	21	-2.6	0	
R9	R9	UNKNOWN	W2	30.6	31.3	-0.6	-2.3	99.7	99.7	0.0	0.0	7.0	21	78	21	-2.6	0	
R10	R10	UNKNOWN	W2	2.2	2.2	-0.6	-2.3	57.3	57.3	0.0	0.0	4.0	4	4	4	-2.6	0	
R11	R11	UNKNOWN	W2	17.0	17.0	-0.6	-2.3	60.1	58.0	0.0	0.0	10.0	10	10	10	-2.6	0	
R12	R12	UNKNOWN	W1	0.0	0.0	0.0	0.0	99.7	99.7	0.0	0.0	0.0	0	0	0	-2.6	0	
R13	R13	UNKNOWN	W1	1.7	2.2	-0.6	-2.0	29.4	29.4	0.0	0.0	0.0	0	0	0	-2.6	0	
R14	R14	UNKNOWN	W1	30.3	31.1	-0.6	-2.6	94.5	95.8	-1.3	-1.4	8.0	8	8	8	-2.6	0	
R15	R15	UNKNOWN	W2	2.0	2.0	0.0	0.0	96.6	96.6	0.0	0.0	4.0	4	4	4	-2.6	0	
R16	R16	UNKNOWN	W3	0.0	0.0	0.0	0.0	100.0	100.0	0.0	0.0	0.0	0	0	0	-2.6	0	
R17	R17	UNKNOWN	W2	29.1	29.7	-0.6	-2.1	100.0	100.0	0.0	0.0	7.0	21	78	21	-2.6	0	
R18	R18	UNKNOWN	W2	2.3	2.3	-0.6	-2.1	100.0	100.0	0.0	0.0	7.0	21	78	21	-2.6	0	
R19	R19	UNKNOWN	W2	30.9	31.3	-0.6	-2.3	99.7	99.7	0.0	0.0	7.0	21	78	21	-2.6	0	
R20	R20	UNKNOWN	W2	2.4	2.4	-0.6	-2.3	60.1	58.0	0.0	0.0	4.0	4	4	4	-2.6	0	
R21	R21	UNKNOWN	W2	30.9	31.6	-0.6	-2.3	99.7	99.7	0.0	0.0	7.0	21	78	21	-2.6	0	
R22	R22	UNKNOWN	W2	0.0	0.0	0.0	0.0	29.4	29.4	0.0	0.0	4.0	4	4	4	-2.6	0	
R23	R23	UNKNOWN	W2	31.5	31.5	-0.6	-2.6	100.0	100.0	0.0	0.0	7.0	21	78	21	-2.6	0	
R24	R24	UNKNOWN	W2	2.3	2.3	0.0	0.0	99.7	99.7	0.0	0.0	4.0	4	4	4	-2.6	0	
R25	R25	UNKNOWN	W2	0.0	0.0	0.0	0.0	99.3	99.3	0.0	0.0	4.0	4	4	4	-2.6	0	
R26	R26	UNKNOWN	W2	30.8	31.4	-0.6	-2.6	100.0	100.0	0.0	0.0	7.0	21	78	21	-2.6	0	
R27	R27	UNKNOWN	W2	30.8	31.4	-0.6	-2.6	100.0	100.0	0.0	0.0	7.0	21	78	21	-2.6	0	
R28	R28	UNKNOWN	W2	30.8	31.4	-0.6	-2.6	100.0	100.0	0.0	0.0	7.0	21	78	21	-2.6	0	
R29	R29	UNKNOWN	W3	0.0	0.0	0.0	0.0	99.6	99.6	0.0	0.0	4.0	4	4	4	-2.6	0	
R30	R30	UNKNOWN	W3	2.1	2.1	-0.6	-2.6	100.0	100.0	0.0	0.0	4.0	4	4	4	-2.6	0	
R31	R31	UNKNOWN	W3	31.6	32.7	-0.4	-2.6	100.0	100.0	0.0	0.0	7.0	21	78	21	-2.6	0	
R32	R32	UNKNOWN	W3	1.7	2.2	-0.6	-2.9	29.4	29.4	0.0	0.0	4.0	4	4	4	-2.6	0	
R33	R33	UNKNOWN	W3	4.6	5.2	-0.6	-2.9	99.0	98.9	0.0	0.0	7.0	21	78	21	-2.6	0	
R34	R34	UNKNOWN	W3	31.1	31.1	-0.6	-2.9	99.0	98.9	0.0	0.0	7.0	21	78	21	-2.6	0	
R35	R35	UNKNOWN	W3	31.1	31.1	-0.6	-2.9	99.0	98.9	0.0	0.0	7.0	21	78	21	-2.6	0	
R36	R36	UNKNOWN	W3	31.1	31.1	-0.6	-2.9	99.0	98.9	0.0	0.0	7.0	21	78	21	-2.6	0	
R37	R37	UNKNOWN	W3	31.1	31.1	-0.6	-2.9	99.0	98.9	0.0	0.0	7.0	21	78	21	-2.6	0	
R38	R38	UNKNOWN	W3	31.1	31.1	-0.6	-2.9	99.0	98.9	0.0	0.0	7.0	21	78	21	-2.6	0	
R39	R39	UNKNOWN	W3	31.1	31.1	-0.6	-2.9	99.0	98.9	0.0	0.0	7.0	21	78	21	-2.6	0	
R40	R40	UNKNOWN	W3	31.1	31.1	-0.6	-2.9	99.0	98.9	0.0	0.0	7.0	21	78	21	-2.6	0	
R41	R41	UNKNOWN	W3	31.1	31.1	-0.6	-2.9	99.0	98.9	0.0	0.0	7.0	21	78	21	-2.6	0	
R42	R42	UNKNOWN	W3	31.1	31.1	-0.6	-2.9	99.0	98.9	0.0	0.0	7.0	21	78	21	-2.6	0	
R43	R43	UNKNOWN	W3	31.1	31.1	-0.6	-2.9	99.0	98.9	0.0	0.0	7.0	21	78	21	-2.6	0	
R44	R44	UNKNOWN	W3	31.1	31.1	-0.6	-2.9	99.0	98.9	0.0	0.0	7.0	21	78	21	-2.6	0	
R45	R45	UNKNOWN	W3	31.1	31.1	-0.6	-2.9	99.0	98.9	0.0	0.0	7.0	21	78	21	-2.6	0	
R46	R46	UNKNOWN	W3	31.1	31.1	-0.6	-2.9	99.0	98.9	0.0	0.0	7.0	21	78	21	-2.6	0	
R47	R47	UNKNOWN	W3	31.1	31.1	-0.6	-2.9	99.0	98.9	0.0	0.0	7.						

Annual Program Summary																
Annual Program Summary								Annual Program Summary								
Period	Financial Performance				Operational Efficiency				Strategic Initiatives				Risk & Compliance			
	Budget	Actual	Variance	YTD Total	Efficiency	Completion	Cost	Impact	Initiative	Status	Progress	Impact	Risk	Compliance	Audit	Control
Q1-2023	\$10M	\$9.8M	-2%	\$2.5M	95%	85%	\$1.2M	High	Project Alpha	On Track	80%	Low	Medium	Passed	Green	Green
Q2-2023	\$12M	\$11.5M	+12.5%	\$3.2M	98%	92%	\$1.5M	Medium	Project Beta	On Track	75%	Medium	Medium	Pending	Yellow	Yellow
Q3-2023	\$15M	\$14.8M	+2.1%	\$4.1M	97%	90%	\$1.8M	Low	Project Gamma	On Track	70%	Low	Medium	Passed	Green	Green
Q4-2023	\$18M	\$17.5M	-1.7%	\$5.0M	96%	88%	\$2.1M	Medium	Project Delta	On Track	65%	Medium	Medium	Pending	Yellow	Yellow
Total YTD	\$45M	\$44.8M	-0.4%	\$15.8M	96.5%	89.5%	\$6.6M	Medium	Overall Program	On Track	72.5%	Medium	Medium	Passed	Green	Green
Strategic Initiatives Progress																
Initiative	Target	Actual	Variance	Impact	Efficiency	Completion	Cost	Impact	Initiative	Status	Progress	Impact	Risk	Compliance	Audit	Control
Project Alpha	90%	88%	-2%	High	95%	85%	\$1.2M	High	Project Alpha	On Track	80%	Low	Medium	Passed	Green	Green
Project Beta	95%	92%	-3%	Medium	98%	92%	\$1.5M	Medium	Project Beta	On Track	75%	Medium	Medium	Pending	Yellow	Yellow
Project Gamma	98%	90%	-8%	Low	97%	90%	\$1.8M	Low	Project Gamma	On Track	70%	Low	Medium	Passed	Green	Green
Project Delta	100%	70%	-30%	Medium	96%	88%	\$2.1M	Medium	Project Delta	On Track	65%	Medium	Medium	Pending	Yellow	Yellow
Total Impact	High	Medium	Medium	Medium	96.5%	89.5%	\$6.6M	Medium	Overall Program	On Track	72.5%	Medium	Medium	Passed	Green	Green
Risk & Compliance Status																
Risk Type	Severity	Probability	Impact	Score	Control	Compliance	Audit	Risk	Control	Compliance	Audit	Risk	Compliance	Audit	Control	
Market Volatility	Medium	High	Medium	5	Green	Green	Green	Medium	Green	Green	Green	Medium	Green	Green	Green	
Supply Chain Disruption	High	Medium	Medium	4	Yellow	Yellow	Yellow	Medium	Yellow	Yellow	Yellow	High	Yellow	Yellow	Yellow	
Regulatory Changes	Medium	Low	Medium	3	Green	Green	Green	Medium	Green	Green	Green	Medium	Green	Green	Green	
Technological Obsolescence	Medium	Medium	Medium	2	Yellow	Yellow	Yellow	Medium	Yellow	Yellow	Yellow	Medium	Yellow	Yellow	Yellow	
Total Score	Medium	Medium	Medium	3.5	Green	Green	Green	Medium	Green	Green	Green	Medium	Green	Green	Green	

DAYLIGHT AND SUNLIGHT ANALYSIS  
NORTH QUAY

MAY 2020



VERTICAL SKY COMPONENT (WINDOWS)										ROOFLINE													
FLOOR	ROOM	ROOFTOP	WINDOW	WINDOW	CONSENTED	INDICATIVE	LCS%	%	CONSENTED	INDICATIVE	LOSS	%	CONSENTED	INDICATIVE	LCS%	%	WINTER	TOTAL	WINTER	TOTAL	WINTER	TOTAL	
R2	UNKNOWN	W7	17.8	18.0	-0.2	-1.1	89.0	88.7	2.3	2.6	-0.5	-0.4	45.0	46.0	5	48	6	67	6	67	6	67	
R2	UNKNOWN	W8	17.5	18.1	-0.3	-1.7	81.9	83.3	-1.4	-1.7	42.0	44.0	6	46	6	45	4	45	4	45	4	45	
R2	UNKNOWN	W9	12.9	11.2	-0.5	-0.9	57.8	68.8	-1.0	-1.0	39.0	42.0	6	36	6	36	6	36	6	36	6	36	
R2	UNKNOWN	W10	12.7	12.8	-0.1	-0.4	57.8	68.8	-0.2	-0.2	36.0	40.0	6	35	6	35	6	35	6	35	6	35	
R2	UNKNOWN	W11	12.0	12.0	0.0	0.0	57.8	68.8	-0.4	-0.4	40.0	42.0	6	35	6	35	6	35	6	35	6	35	
R2	UNKNOWN	W12	12.5	12.5	0.0	0.0	57.8	68.8	-0.6	-0.6	40.0	42.0	6	35	6	35	6	35	6	35	6	35	
R2	UNKNOWN	W13	14.6	14.4	-0.2	-0.3	56.7	63.5	-0.4	-0.4	43.0	43.0	6	43	6	43	6	43	6	43	6	43	
R2	UNKNOWN	W14	14.6	14.6	0.0	0.0	56.7	63.5	-0.6	-0.6	43.0	43.0	6	43	6	43	6	43	6	43	6	43	
R2	UNKNOWN	W15	25.3	28.2	-0.9	-2.4	97.6	98.8	-1.8	-2.4	27.0	4	42	4	42	4	42	4	42	4	42	4	42
<b>FRONT ELEVATION COLLECTIVE</b>																							
F00	R1	UNKNOWN	W1	18.0	18.8	-0.8	-5.0	80.8	80.8	0.0	0.0	44.0	46.0	4	46	4	46	4	46	4	46	4	46
F00	R2	UNKNOWN	W2	19.4	19.7	-0.3	-2.9	89.5	89.5	0.0	0.0	44.0	46.0	4	46	4	46	4	46	4	46	4	46
F00	R3	UNKNOWN	W3	11.2	11.3	-0.1	-0.9	50.3	49.2	7.1	7.1	23.0	22.0	2	22	2	22	2	22	2	22	2	22
F00	R4	UNKNOWN	W4	10.2	10.6	-0.4	-3.9	62.5	62.1	0.4	0.6	30.0	30.0	4	30	4	30	4	30	4	30	4	30
F00	RS	UNKNOWN	W5	0.0	0.0	0.0	0.0	60.0	60.0	0.0	0.0	30.0	30.0	2	3	2	3	2	3	2	3	2	3
F00	R6	UNKNOWN	W6	0.0	0.0	0.0	0.0	60.0	60.0	0.0	0.0	30.0	30.0	2	3	2	3	2	3	2	3	2	3
F00	R7	UNKNOWN	W7	21.3	22.1	-0.8	-3.8	89.8	99.8	0.0	0.0	50.0	55.0	6	55	6	55	6	55	6	55	6	55
F00	R8	UNKNOWN	W8	19.1	19.9	-0.8	-4.2	98.8	99.3	-0.5	-0.5	50.0	53.0	6	53	6	53	6	53	6	53	6	53
F00	R9	UNKNOWN	W9	14.7	14.7	-0.5	-4.6	99.7	99.7	0.0	0.0	30.0	30.0	2	30	2	30	2	30	2	30	2	30
F00	R10	UNKNOWN	W10	14.9	14.7	-0.6	-4.3	98.8	99.7	0.0	0.0	30.0	30.0	2	30	2	30	2	30	2	30	2	30
F00	R11	UNKNOWN	W11	14.7	14.7	-0.6	-4.3	98.8	99.7	0.0	0.0	30.0	30.0	2	30	2	30	2	30	2	30	2	30
F00	R12	UNKNOWN	W12	14.7	14.7	-0.6	-4.3	98.8	99.7	0.0	0.0	30.0	30.0	2	30	2	30	2	30	2	30	2	30
F00	R13	UNKNOWN	W13	17.8	19.1	-1.3	-7.3	88.5	93.2	-0.7	-0.4	50.0	55.0	6	55	6	55	6	55	6	55	6	55
F00	R14	UNKNOWN	W14	19.5	20.5	-0.5	-2.6	88.5	97.6	0.0	0.0	50.0	55.0	6	55	6	55	6	55	6	55	6	55
F00	R15	UNKNOWN	W15	19.5	20.5	-0.6	-2.8	88.5	97.6	0.0	0.0	50.0	55.0	6	55	6	55	6	55	6	55	6	55
F00	R16	UNKNOWN	W16	19.5	20.5	-0.6	-2.8	88.5	97.6	0.0	0.0	50.0	55.0	6	55	6	55	6	55	6	55	6	55
F00	R17	UNKNOWN	W17	19.5	20.5	-0.6	-2.8	88.5	97.6	0.0	0.0	50.0	55.0	6	55	6	55	6	55	6	55	6	55
F00	R18	UNKNOWN	W18	19.5	20.5	-0.6	-2.8	88.5	97.6	0.0	0.0	50.0	55.0	6	55	6	55	6	55	6	55	6	55
F00	R19	UNKNOWN	W19	19.5	20.5	-0.6	-2.8	88.5	97.6	0.0	0.0	50.0	55.0	6	55	6	55	6	55	6	55	6	55
F00	R20	UNKNOWN	W20	19.5	20.5	-0.6	-2.8	88.5	97.6	0.0	0.0	50.0	55.0	6	55	6	55	6	55	6	55	6	55
F00	R21	UNKNOWN	W21	19.5	20.5	-0.6	-2.8	88.5	97.6	0.0	0.0	50.0	55.0	6	55	6	55	6	55	6	55	6	55
F00	R22	UNKNOWN	W22	19.5	20.5	-0.6	-2.8	88.5	97.6	0.0	0.0	50.0	55.0	6	55	6	55	6	55	6	55	6	55
F00	R23	UNKNOWN	W23	19.5	20.5	-0.6	-2.8	88.5	97.6	0.0	0.0	50.0	55.0	6	55	6	55	6	55	6	55	6	55
F00	R24	UNKNOWN	W24	19.5	20.5	-0.6	-2.8	88.5	97.6	0.0	0.0	50.0	55.0	6	55	6	55	6	55	6	55	6	55
F00	R25	UNKNOWN	W25	19.5	20.5	-0.6	-2.8	88.5	97.6	0.0	0.0	50.0	55.0	6	55	6	55	6	55	6	55	6	55
F00	R26	UNKNOWN	W26	19.5	20.5	-0.6	-2.8	88.5	97.6	0.0	0.0	50.0	55.0	6	55	6	55	6	55	6	55	6	55
F00	R27	UNKNOWN	W27	19.5	20.5	-0.6	-2.8	88.5	97.6	0.0	0.0	50.0	55.0	6	55	6	55	6	55	6	55	6	55
F00	R28	UNKNOWN	W28	19.5	20.5	-0.6	-2.8	88.5	97.6	0.0													

FLOOR	ROOM	ROOFTOP	WINDOW	VERTICAL SKY COMPONENT (WINDOWS)			ROOFLINE			AVERAGE DAYLIGHT FACTOR			ANNUAL PROBABLE SUNLIGHT HOURS			ANNUAL PROBABLE SUNLIGHT HOURS			
				WINDOW	ROOFLINE	WINDOW	WINDOW	ROOFLINE	WINDOW	WINDOW	WINDOW	WINDOW	WINDOW	WINDOW	WINDOW	WINDOW	WINDOW	WINDOW	
R2	UNKNOWN	W2	28.9	28.0	.31	.03	58.7	53.7	.51	2.6	73.0	19	72	17	14	10.5	1.29	0	
R3	UNKNOWN	W2	28.5	28.3	-.31	-.04	58.7	53.0	.57	2.6	69.0	17	71	16	14	.69	1.14	-.59	
R4	UNKNOWN	W3	28.1	28.3	-.01	-.04	58.7	52.3	.64	2.6	69.0	17	71	16	14	.63	1.14	-.53	
R5	UNKNOWN	W5	28.0	28.1	-.01	-.04	58.9	51.6	.64	2.6	69.0	17	70	16	14	.63	1.14	-.53	
R6	UNKNOWN	W6	27.7	27.4	-.01	-.04	59.0	51.7	.79	2.6	69.0	17	70	16	14	.63	1.14	-.53	
R7	UNKNOWN	W8	27.0	27.2	-.02	-.07	59.0	51.5	.85	2.6	68.0	14	69	15	14	.63	1.14	-.53	
R8	UNKNOWN	W9	26.2	29.4	-.02	-.07	59.0	51.4	.84	2.6	40.0	8	41	7	2.5	13.3	0		
R9	UNKNOWN	W10	26.7	30.7	-.02	-.07	59.0	51.3	.84	2.6	43.0	8	45	8	2.5	13.3	0		
F03	R1	UNKNOWN	W1	37.8	39.8	0.0	0.0	96.5	94.0	2.6	2.6	73.0	21	71	18	2.7	18	2.7	143
F04	R1	UNKNOWN	W1	29.3	29.2	0.1	0.3	58.7	54.0	2.7	2.8	63.0	22	60	18	4.8	18	4.5	182
F04	R2	UNKNOWN	W2	24.5	24.5	0.1	0.4	58.7	54.3	4.5	4.5	60.0	20	61	18	4.8	18	4.5	182
F04	R3	UNKNOWN	W3	24.4	24.4	0.1	0.4	58.7	54.3	3.5	3.5	61.0	19	60	19	4.8	18	4.5	182
F04	R4	UNKNOWN	W4	24.3	24.3	0.1	0.4	58.7	54.2	3.5	3.5	60.0	19	60	19	4.8	18	4.5	182
F04	R5	UNKNOWN	W5	24.5	28.5	0.0	0.0	99.0	91.4	4.8	4.8	59.0	19	60	17	4.8	18	4.5	182
F04	R6	UNKNOWN	W6	24.0	24.0	0.0	0.0	99.0	91.4	7.7	7.7	59.0	18	60	17	4.8	18	4.5	182
F04	R7	UNKNOWN	W7	24.0	24.0	0.0	0.0	99.0	91.7	7.3	7.4	58.0	17	59	15	4.8	18	4.5	182
F04	R8	UNKNOWN	W8	23.9	32.4	0.0	0.0	96.0	90.0	0.0	0.0	46.0	8	47	7	2.5	12.5	0	
F04	R9	UNKNOWN	W9	23.9	32.4	0.0	0.0	96.0	90.0	0.0	0.0	46.0	8	47	7	2.5	12.5	0	
F05	R1	UNKNOWN	W1	30.1	30.2	-.01	-.03	51.4	51.4	0.0	0.0	69.0	13	70	13	1.4	.64	0.67	
F05	R2	UNKNOWN	W2	29.7	28.9	0.1	0.3	52.8	52.8	0.0	0.0	69.0	13	70	13	1.4	.64	0.67	
F05	R3	UNKNOWN	W3	28.6	28.3	0.1	0.3	52.8	52.8	0.0	0.0	69.0	13	70	13	1.4	.64	0.67	
F05	R4	UNKNOWN	W4	25.5	25.4	0.2	0.8	52.8	52.8	0.0	0.0	69.0	13	70	13	1.4	.64	0.67	
F05	R5	UNKNOWN	W5	25.4	26.2	0.0	0.8	52.8	52.8	0.0	0.0	69.0	13	70	13	1.4	.64	0.67	
F05	R6	UNKNOWN	W6	25.4	26.2	0.0	0.8	52.8	52.8	0.0	0.0	69.0	13	70	13	1.4	.64	0.67	
F05	R7	UNKNOWN	W7	25.3	26.2	0.0	0.8	52.8	52.8	0.0	0.0	69.0	13	70	13	1.4	.64	0.67	
F05	R8	UNKNOWN	W8	25.2	26.1	0.0	0.8	52.8	52.8	0.0	0.0	69.0	13	70	13	1.4	.64	0.67	
F05	R9	UNKNOWN	W9	25.1	26.0	0.0	0.8	52.8	52.8	0.0	0.0	69.0	13	70	13	1.4	.64	0.67	
F05	R10	UNKNOWN	W10	25.0	26.0	0.0	0.8	52.8	52.8	0.0	0.0	69.0	13	70	13	1.4	.64	0.67	
F05	R11	UNKNOWN	W11	24.9	25.8	0.0	0.8	52.8	52.8	0.0	0.0	69.0	13	70	13	1.4	.64	0.67	
F05	R12	UNKNOWN	W12	24.9	25.8	0.0	0.8	52.8	52.8	0.0	0.0	69.0	13	70	13	1.4	.64	0.67	
F05	R13	UNKNOWN	W13	24.8	25.7	0.0	0.8	52.8	52.8	0.0	0.0	69.0	13	70	13	1.4	.64	0.67	
F05	R14	UNKNOWN	W14	24.8	25.7	0.0	0.8	52.8	52.8	0.0	0.0	69.0	13	70	13	1.4	.64	0.67	
F05	R15	UNKNOWN	W15	24.7	25.6	0.0	0.8	52.8	52.8	0.0	0.0	69.0	13	70	13	1.4	.64	0.67	
F05	R16	UNKNOWN	W16	24.6	25.5	0.0	0.8	52.8	52.8	0.0	0.0	69.0	13	70	13	1.4	.64	0.67	
F05	R17	UNKNOWN	W17	24.5	25.4	0.0	0.8	52.8	52.8	0.0	0.0	69.0	13	70	13	1.4	.64	0.67	
F05	R18	UNKNOWN	W18	24.4	25.3	0.0	0.8	52.8	52.8	0.0	0.0	69.0	13	70	13	1.4	.64	0.67	
F05	R19	UNKNOWN	W19	24.3	25.2	0.0	0.8	52.8	52.8	0.0	0.0	69.0	13	70	13	1.4	.64	0.67	
F05	R20	UNKNOWN	W20	24.2	25.1	0.0	0.8	52.8	52.8	0.0	0.0	69.0	13	70	13	1.4	.64	0.67	
F05	R21	UNKNOWN	W21	24.1	25.0	0.0	0.8	52.8	52.8	0.0	0.0	69.0	13	70	13	1.4	.64	0.67	
F05	R22	UNKNOWN	W22	24.0	24.9	0.0	0.8	52.8	52.8	0.0	0.0	69.0	13	70	13	1.4	.64	0.67	
F05	R23	UNKNOWN	W23	23.9	24.8	0.0	0.8	52.8	52.8	0.0	0.0	69.0	13	70	13	1.4	.64	0.67	
F05	R24	UNKNOWN	W24	23.8	24.7	0.0	0.8	52.8	52.8	0.0	0.0	69.0	13	70	13	1.4	.64	0.67	
F05	R25	UNKNOWN	W25	23.7	24.6	0.0	0.8	52.8	52.8	0.0	0.0	69.0	13	70	13	1.4	.64	0.67	
F05	R26	UNKNOWN	W26	23.6	24.5	0.0	0.8	52.8	52.8	0.0	0.0	69.0	13	70	13	1.4	.64	0.67	
F05	R27	UNKNOWN</																	

## **Annex 4: Overshadowing Assessment**



## **1 TRANSIENT OVERSHADOWING ASSESSMENT**

**BASELINE V PROPOSED V INDICATIVE SCHEME**

TRANSIENT OVERSHADOWING ASSESSMENT  
21<sup>ST</sup> MARCH (08:00 - 11:00 GMT)

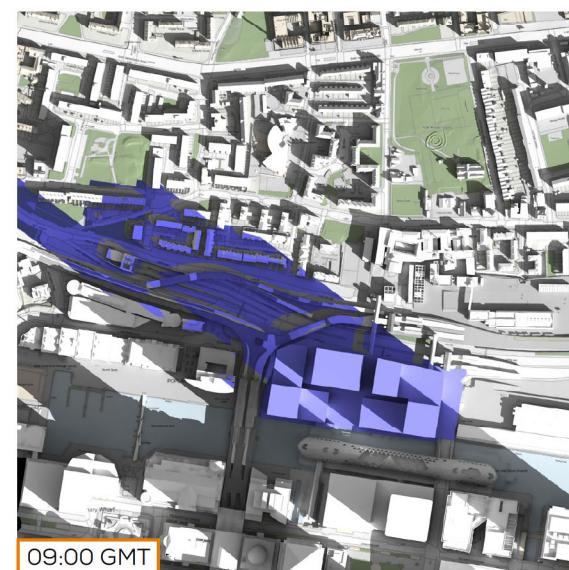
BASELINE



BASELINE



PROPOSED



PROPOSED



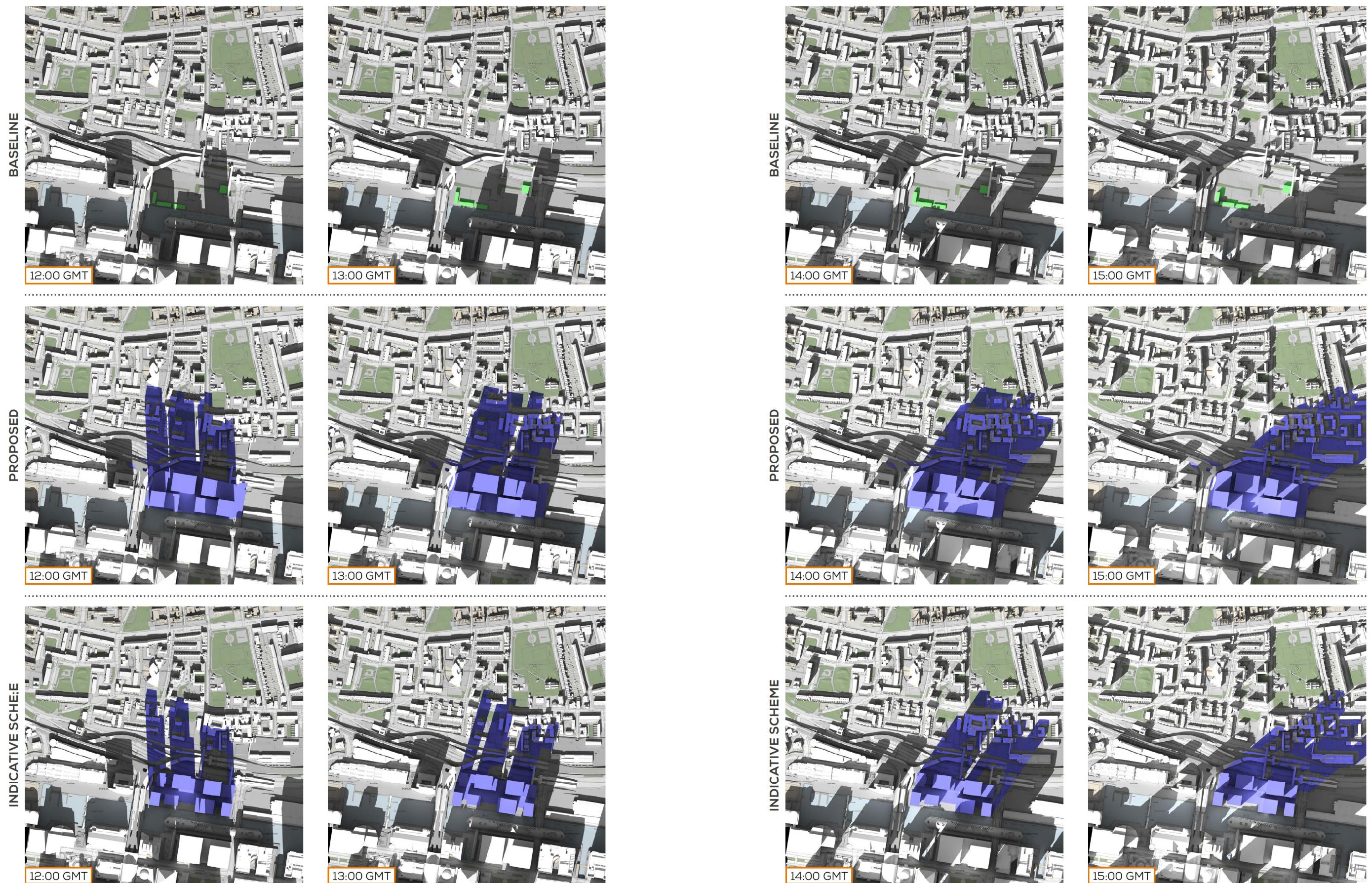
INDICATIVE SCHEME



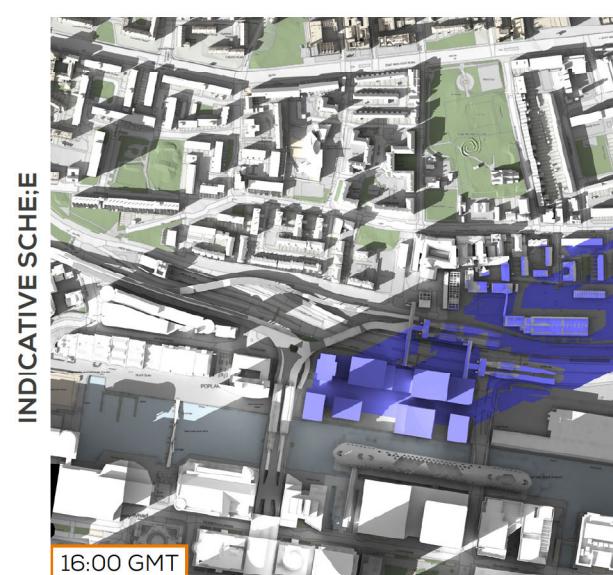
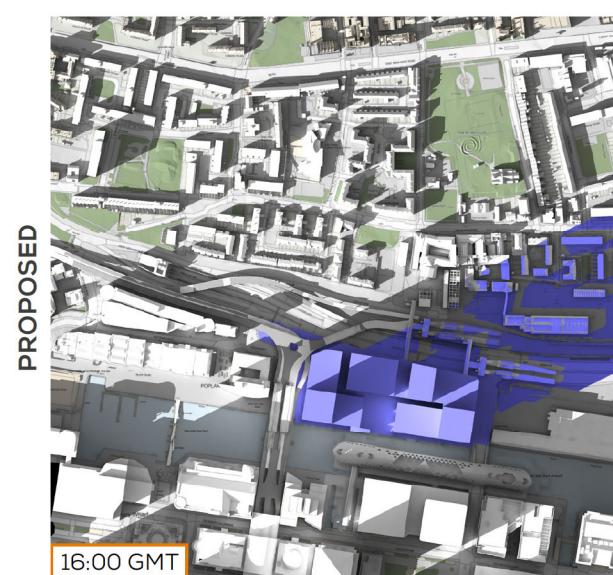
INDICATIVE SCHEME



TRANSIENT OVERSHADING ASSESSMENT  
21<sup>ST</sup> MARCH (12:00 - 15:00 GMT)



TRANSIENT OVERSHADOWING ASSESSMENT  
21<sup>ST</sup> MARCH (16:00 - 17:00 GMT)



TRANSIENT OVERSHADING ASSESSMENT  
21<sup>ST</sup> JUNE (06:00 - 09:00 BST)

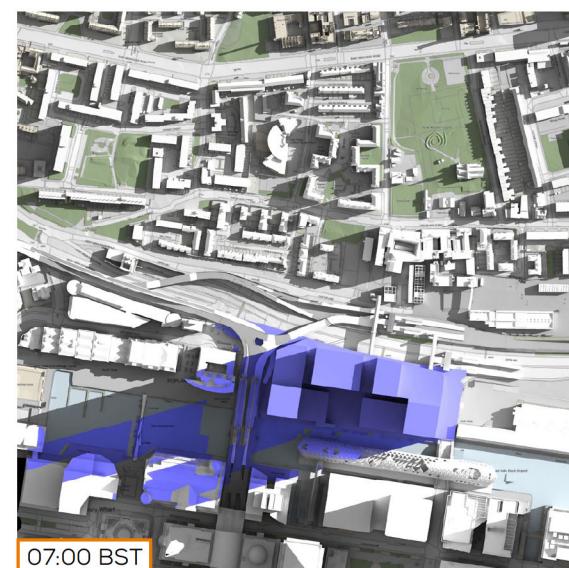
BASELINE



BASELINE



PROPOSED



PROPOSED



INDICATIVE SCHEME



INDICATIVE SCHEME



TRANSIENT OVERSHADING ASSESSMENT  
21<sup>ST</sup> JUNE (10:00 - 13:00 BST)

BASELINE



BASELINE



PROPOSED



INDICATIVE SCHEME



TRANSIENT OVERSHADING ASSESSMENT  
21<sup>ST</sup> JUNE (14:00 - 17:00 BST)

BASELINE



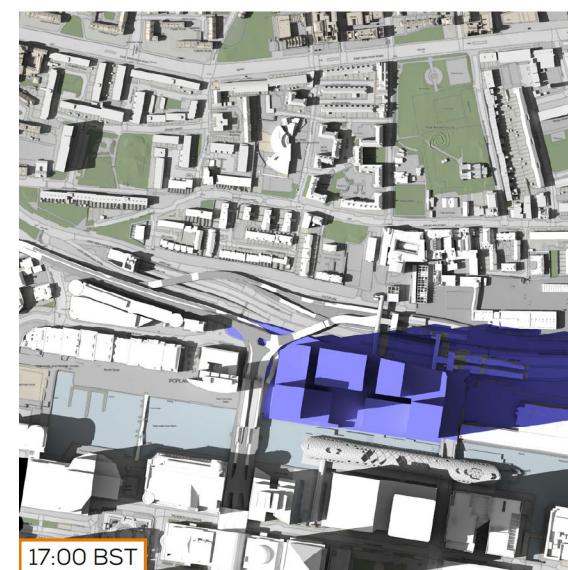
BASELINE



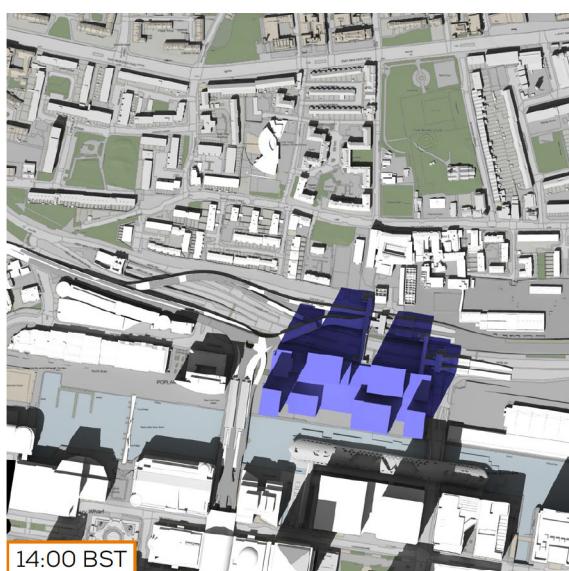
PROPOSED



PROPOSED



INDICATIVE SCHEME



INDICATIVE SCHEME



TRANSIENT OVERSHADOWING ASSESSMENT  
21<sup>ST</sup> JUNE (18:00 - 20:00 BST)

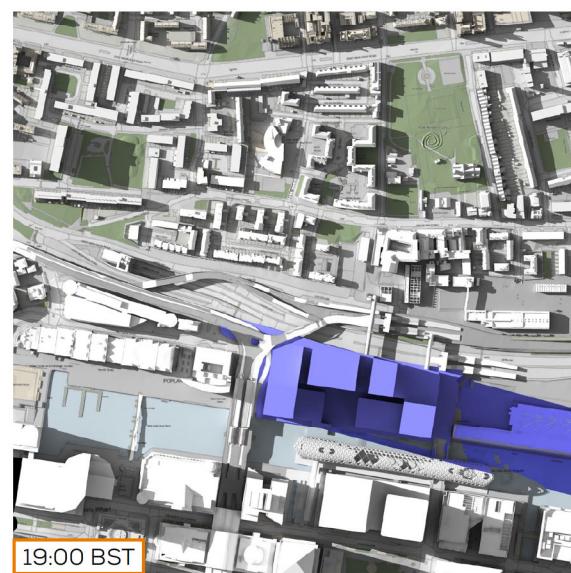
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BASELINE



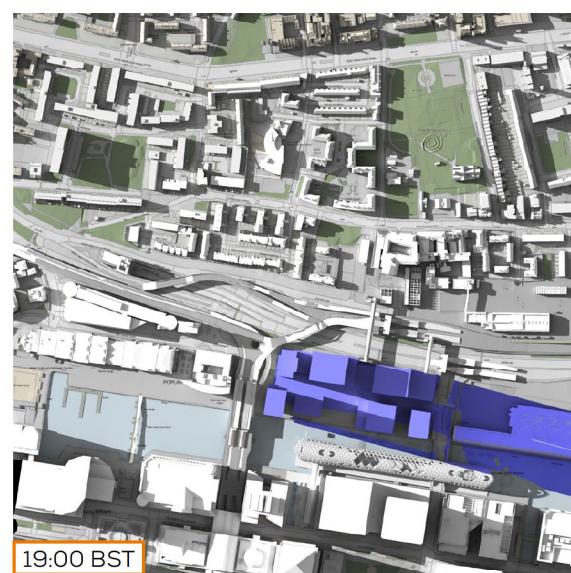
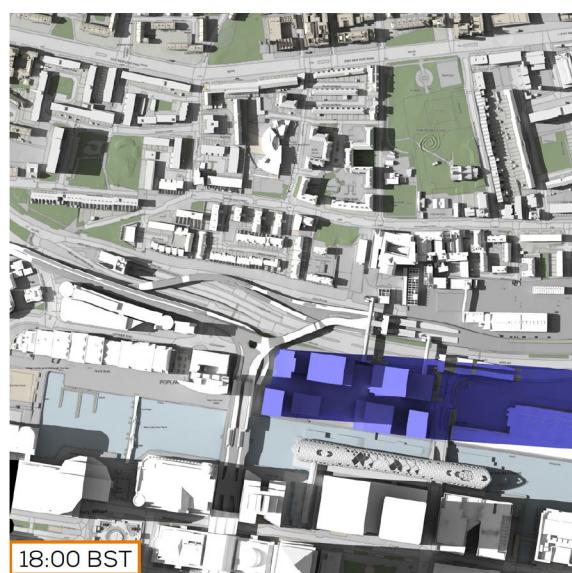
PROPOSED



PROPOSED



INDICATIVE SCHEME



INDICATIVE SCHEME

