

Attachment 2—Levels of Intervention

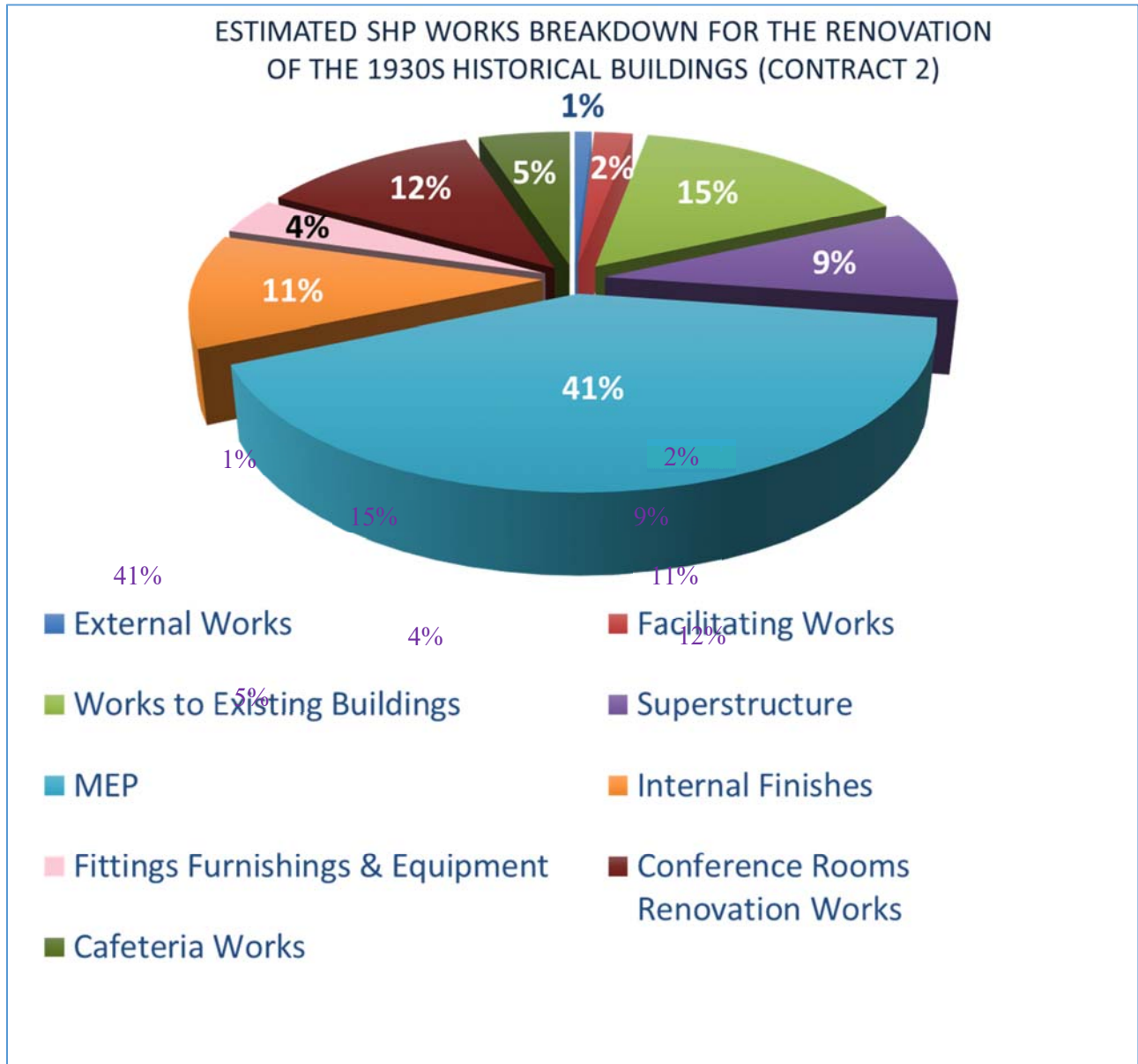
Renovation of the Historical Buildings (Buildings A, B, C, D and S) at the Palais des Nations in Geneva, Switzerland

FACILITATING WORKS AND BUILDING WORKS		
0	Facilitating Works	
0.1	Toxic/hazardous/contaminated material removal	Mainly asbestos removal in main plantroom
0.2	Major Demolition Works	Not currently anticipated
0.3	Specialist Groundworks	Not currently anticipated
0.4	Temporary Diversion Works	Not currently anticipated
0.5	Extraordinary Site Investigation Works	Not currently anticipated
1	Substructure	
1.1	Substructure	Cafeteria extension New room XII partition
2	Superstructure	
2.1	Frame	Cafeteria extension New room XII partition Press room
2.2	Upper Floors	Cafeteria extension New room XII partition
2.3	Roof	Cafeteria extension
2.4	Stairs and Ramps	Limited
2.5	External Walls	Cafeteria extension
2.6	Windows and External Doors	Cafeteria extension Change and renovation across the buildings
2.7	Internal Walls and Partitions	Across the buildings
2.8	Internal Doors	Across the buildings Main concern with heritage aspect
3	Internal Finishes	
3.1	Wall Finishes	Across the buildings
3.2	Floor Finishes	Across the buildings
3.3	Ceiling Finishes	Across the buildings
4	Fittings, Furnishings and Equipment	
4.1	Fittings, Furnishings and Equipment (Fixed)	Across the buildings
4.1	Fittings, Furnishings and Equipment (Loose - New and Heritage)	New furniture in new support nodes of office areas Heritage furniture across the buildings
4.1	Fittings, Furnishings and Equipment (Loose - Used Office Furniture)	Used furniture across the offices
4.1	Signage	Not currently anticipated
5	Services	
5.1	Sanitary Installations	Partial renovation of sanitary ware and fittings
5.2	Services Equipment	Not applicable
5.3	Disposal Installations	Local adaptation and upgrade
5.4	Water Installations	Global upgrade
5.5	Heat Source	New plant room
5.6	Space Heating and Air Conditioning	Local upgrade and general cleaning
5.7	Ventilation	Replacement of existing systems
5.8	Electrical Installations	New cabling Partial new lighting Partial rearrangement of existing lighting Lighting automation upgrade New panelboards Upgrade of existing panelboards Cleaning of all obsolete systems New UPS New emergency lighting installation
5.9	Fuel Installations	Not applicable
5.10	Lift and Conveyor Installations	Upgrade of some equipment Change of some equipment
5.11.1	Fire and Lightning Protection	Upgrade of existing system New in Cafeteria
5.11.2	Library fire extinction: water mist + oxyreduction + airtight	New protection system in Library and Archive
5.12.1	Communication, Security and Control Systems	New control center
5.12.2	Fire Detection and Alarm Installation	Extension and upgrade of existing system
5.12.3	Clock Installation	New infrastructure
5.12.4	Evacuation Installation	Upgrade public address system
5.12.5	Structural Cabling Installation	New and adaptation
5.12.6	Network Active Equipment	Installation only – supply by UNOG
5.12.7	Audio Installation (building)	Upgrade public address system
5.12.8	CCTV	Upgrade CCTV installation

5.12.9	Access Control	Upgrade access control installation
5.12.10	Disabled Call Systems	New intercom system
5.12.11	Building Management and automatic Controls Installation	Extension of existing system
5.12.12	AV Conference Systems	New CMSI in most of the rooms New display system New robotic camera system New broadcast installation for Press Conf. Room Move of existing TV studio
5.12.13	PC Conference	Installation only – supply by UNOG
5.12.14	Acoustics Assembly Hall	Study and improvement
5.12.17	Digital Signage	Extension of existing system
5.12.18	Mobile Phone Network	Not currently anticipated
5.12.19	Server and Storage	Not currently anticipated
5.13	Specialist Installations	Dismantling and adaptation of pneumatic systems
5.14	BWIC Connection with Services	Across the buildings
5.15	Testing and Commissioning	All systems
6	Prefabricated Buildings and Building Units	
6.1	Prefabricated Buildings and Building Units	Not currently anticipated
7	Work to Existing Buildings	
7.1	Minor Demolition Works and Alteration Works	Across the buildings
7.2	Repairs to Existing Services	Not currently anticipated
7.3	DPC's/Fungus and Beetle Eradication	Not currently anticipated
7.4	Façade Retention	Not currently anticipated
7.5	Cleaning Existing Surfaces	Not currently anticipated
7.6	Renovation Works	Across buildings
8	External Works	
8.1	Site Preparation Works	Not currently anticipated
8.2	Roads, Paths, Paving and Surfacing	Cafeteria landscaping
8.3	Soft Landscaping, Planting and Irrigation Systems	Cours d'honneur landscaping
8.4	Fencing, Railings and Walls	Not applicable
8.5	External Fixtures	Minor external works for cafeteria
8.6	External Drainage	Not currently anticipated
8.7	External Services	Not currently anticipated
8.8	Minor Building Works and Ancillary Buildings	Not currently anticipated
PRELIMINARIES AND INDIRECT WORKS		
9	Main Contractor's Preliminaries (B)	
9.1.1	Main Contractor Preliminaries	Across buildings
9.1.2	Site Installations	Across buildings
9.1.3	Temporary installations for UNOG business	Across buildings
9.1.4	Business Continuity provisional works	Across buildings
9.1.5	Moving	Across buildings
9.1.6	Heritage / Art protection and restauration	Across buildings
9.1.7	Heritage / Moving	Across buildings
9.1.8	Additional Security measures	Across buildings
9.1.9	Construction All Risk Insurance	Across buildings
9.1.10	Cleaning post-Handover from Contractor	Across buildings
9.1.11	Additional surveys if needed (MEP + Architectural)	Across buildings
9.1.12	Defects Liability and Warranty Works; necessary remedy concerning any equipment and material defects as required after each Section of Work is handed over to the Employer.	All project
9.2.1	Commissioning Agent	All systems
9.2.2	BIM Management	Full service
9.3	General contractor management	Full service
9.4	Additional banksmen to manage deliveries etc. between site area and Building	Across buildings

Table 3:

**Construction services currently anticipated (not limited to)
— listed under New Rules of Measurement 1 table – NRM1**



**Chart 1:
Approximate Overall Works Breakdown by Principle Element / Function**

	UN	UN Design Contractor	Contractor
Technical Design (RIBA)		X	Design Portions
Construction Support / Additional Design Information		X	
Shop Drawings and Method Statements			X
Supply of IT active equipment	X		
Construction			X
Hand Over			X
Maintenance	X		Limited to a few Technical Installations

Table 4:
Design Development and Overall Responsibilities Repartition