

**Room Data Sheet
Preliminary Programming**

Space Ref No.	Space Name	No. of Units	Approx. Net Area	Net Total	Location / Adjac
A1-1.1	Typical Service Bay	<ul style="list-style-type: none"> 4 stalls for 18288mm (60') long buses + 1 stall for 12192mm (40') long bus 	6303 SF / 586 M ²		<ul style="list-style-type: none"> Off main drive aisle Exterior
Activity Description		Acoustic Treatment		Occupancy / Loading Standards	
<ul style="list-style-type: none"> Bus maintenance and general repair 		Sound Iso. _____ DBA _____ Sound Ins. _____ Rev. Time _____		<ul style="list-style-type: none"> 2 persons / bay 	
Access		Security		Flexibility	
<ul style="list-style-type: none"> Drive through for 18288mm (60') bays (exterior overhead door) Interior drive in access only for 12192mm (40') bays All exterior personnel exits and overhead exits require a reinforced concrete pad which should be tied structurally to the building foundation wall. 		<ul style="list-style-type: none"> Building Perimeter 		<ul style="list-style-type: none"> Single use space 	
Structure		Environment		Equipment	
Height 5791 mm clear (match existing garage) Clear Span <u>yes</u> Floor Loading _____ psf _____ Spec. Req: <ul style="list-style-type: none"> Refer to E23.8 Structural Specifications on requirements for fall arrest system design. Refer to E23.7.1 Structural Specifications for Wall Impact Resistance Refer to E23.14 and E23.15.17 Structural Specifications for floor loading. Refer to E23.15.7 and Equipment list Appendix L; Structural, Mechanical and Electrical requirements for all items to be supported by structure. Overhead curtain system for welding and pressure washing systems to be hung from roof structure 		Temp. <u>80F</u> View Out Ext. _____ Humidity <u>60%</u> View Out Int. _____ View In _____ Spec. Req: <ul style="list-style-type: none"> Winter conditions permitted to be 68F Humidity control not required 		<ul style="list-style-type: none"> In-floor hoists NEQ-01 (1-60' bay hoist to be water resistant for bus washing) Hose reel fluid dispensing system NEQ-02 Fall arrest protection to be designed as per Structural specifications. Locations to be determined in design phase with Transit. Exhaust extraction system equipment Work benches at each bay Particulate extraction NEQ-09 One (1) pressure washing system in 60' bay NEQ-11 Overhead curtain system for containment, suitable for pressure washing system. 	
Electrical Services		Illumination		Room Finishes	
Power _____ TV _____ Comp _____ AV _____ Tel _____ PA _____ CCTV _____ Wireless _____ Other: <ul style="list-style-type: none"> 1 quad receptacle at every bay (separate circuits). Welding plug (1 station shared) 		Ft. Candles _____ Daylight <u>X</u> Fluor. _____ Quartz _____ LED <u>X</u> Incand. _____ Special _____ Other:		Floor: <ul style="list-style-type: none"> Polished, sealed concrete Walls: <ul style="list-style-type: none"> Refer to E23.7.1 complete with 200 mm CMU to underside of structure – painted. Block to be flush with 	

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<p>between every two bays)</p> <ul style="list-style-type: none"> Overhead 120V/30A/1Ph/60Hz drop c/w twist-lock 30A receptacle for portable exhaust unit NEQ-09. (1 drop shared per every two adjacent bays). Refer to Appendix L for specific electrical requirements to equipment. All duplex receptacles in the garage and shops area to be 120V 20A circuits. Power for pressure washing system NEQ-11 		<p>face of concrete.</p> <p>Ceiling:</p> <ul style="list-style-type: none"> Exposed Structure - painted
<p>Mechanical Services</p> <p>Hot W. ____ Cold W. ____ Drain ____ perimeter trench drains four (4) for pressure washing system ____ Exhaust _____ Air _____ Climate Controlled? ____ Yes ____ Other:</p> <ul style="list-style-type: none"> Exhaust for bus fumes Compressed air <ul style="list-style-type: none"> Overhead - 2 x 3/8" dia. (1 @ 130psi, 1 @ 120 psi) Wall - 1 x 1" dia. lines @ 120 psi Refer to Appendix L for specific mechanical requirements to equipment. 	<p>Comments</p> <ul style="list-style-type: none"> Configure 18,288mm (60') bus bays on south complete with overhead doors to allow direct access to exterior 2,438mm (8'-0") clear between buses. Alternate the compressed air connections and welding connections at wall locations between bays Alternate overhead compressed air connections and fluid dispensing systems at ceiling locations between bays. All roof structure at bus bays shall be designed to accommodate the loads required for a future addition of a fall arrest system similar to those required in specific bus bays under this RFP. Proponents structural drawings shall locate and identify the allowable loads for each proposed future fall arrest system. Any compressed air high pressure loop to be by Trans Air, or approved equivalent. 30' buses will be serviced at any 40' bus bay location Confirm exhaust unit MOCP with manufacturer prior to procurement of the equipment. 	

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Space Ref No.	Space Name	No. of Units	Approx. Net Area	Net Total	Location / Adjac
A1-1.2	Refurbishing Service Bay	<ul style="list-style-type: none"> 1 stall for 18288mm (60') long bus 3 stalls for 12192mm (40') long bus long 	1600 + (1200 x 3) = 5,200 SF/ 483M ²		<ul style="list-style-type: none"> Off main drive aisle
Activity Description		Acoustic Treatment		Occupancy / Loading Standards	
<ul style="list-style-type: none"> Complete refurbishing of buses including: torching, welding, grinding, panel removal, component removal. 		Sound Iso. _____ DBA _____ Sound Ins. _____ Rev. Time _____		2 – 4 persons	
Access		Security		Flexibility	
<ul style="list-style-type: none"> Interior drive in access off main drive aisle All exterior personnel exits and overhead exits require a reinforced concrete pad which should be tied structurally to the building foundation wall. 		<ul style="list-style-type: none"> Building Perimeter 		<ul style="list-style-type: none"> Single use space 	
Structure		Environment		Equipment	
Height 5791mm clear (match existing garage) Clear Span <u>yes</u> Floor Loading _____ psf _____ Spec. Req: <ul style="list-style-type: none"> Refer to E23.8 Structural Specifications on requirements for fall arrest system design. Refer to E23.7.1 Structural Specifications for Wall Impact Resistance Refer to E23.14 and E23.15.17 Structural Specifications for floor loading. Refer to Equipment lists Appendix L; Mechanical and Electrical requirements for all items to be supported by structure. Refer to E23.15.7. Exhaust extraction system equipment to be supported by roof structure. Refer to Equipment list Appendix L; Structural, Mechanical and Electrical requirements for all items to be supported by structure. 		Temp. <u>80F</u> View Out Ext. _____ Humidity <u>60%</u> View Out Int. _____ View In _____ Spec. Req: <ul style="list-style-type: none"> Winter conditions permitted to be 68F Humidity control not required 		<ul style="list-style-type: none"> In-floor hoists NEQ-01 Hose reel fluid dispensing system NEQ-02 Fall arrest protection to be designed as per Structural specifications. Locations to be determined in design phase with Transit. Overhead curtain system for containment, suitable for welding. Central Vacuum system. Refer to E24.5.11 Particulate extraction NEQ-09 	
Electrical Services		Illumination		Room Finishes	
Power _____ TV _____ Comp _____ AV _____ Tel _____ PA _____		Ft. Candles _____ Daylight <u>X</u> Fluor. _____ Quartz _____ LED: <u>X</u>		Floor: <ul style="list-style-type: none"> Polished, sealed concrete 	

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<p>CCTV ____ Wireless ____ Other:</p> <ul style="list-style-type: none"> • 1 quad receptacle at each bay (separate circuits) • 1 additional 220V welding plug • Welding plug (1 station shared between every two bays) • Refer to Appendix L for specific electrical requirements to equipment. • All duplex receptacles in the garage and shops area to be 120V 20A circuits. • Hoist to be provided with 208V 3ph outlet for portable dust extractor/vacuum 	<p>Incand. ____ Special ____ Other:</p>	<p>Walls:</p> <ul style="list-style-type: none"> • Refer to E23.7.1 complete with 200 mm CMU to underside of structure – painted. Block to be flush with face of concrete. <p>Ceiling:</p> <ul style="list-style-type: none"> • Exposed Structure - painted
<p>Mechanical Services</p> <p>Hot W. __Y__ Cold W. __Y__ Drain _____ Exhaust _____ Air _____ Climate Controlled? __Yes____ Other:</p> <ul style="list-style-type: none"> • Exhaust for bus fumes • Overhead breathing air station • Compressed air (1 station shared between every two bays) <ul style="list-style-type: none"> • Overhead - 2 x 3/8" dia. (1 @ 130psi, 1 @ 120 psi) • Wall – 1 x 1" dia. lines @ 120 psi • Refer to Appendix L for specific mechanical requirements to equipment. 	<p>Comments</p> <ul style="list-style-type: none"> • 3,048mm (10'-0") clear between buses. All roof structure at bus bays shall be designed to accommodate the loads required for a future addition of a fall arrest system similar to those required in specific bus bays under this RFP. Proponents structural drawings shall locate and identify the allowable loads for each proposed future fall arrest system. • Any compressed air high pressure loop to be by Trans Air, or approved equivalent. • Clear volume and entry point with sufficient maintenance access free of all structure, vertical and horizontal ducts or conduits, lights, etc. • 30' buses will be serviced at any 40' bus bay location 	

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A1-1.3	Body Repair Bay	<ul style="list-style-type: none"> 8 stalls for 1292mm (40') long buses 1 stall for 18288mm (60') long buses 	(8 x 1023) + (1 x 1320) = 9504 SF/883M ²		<ul style="list-style-type: none"> Off main drive aisle Exterior
Activity Description		Acoustic Treatment		Occupancy / Loading Standards	
<ul style="list-style-type: none"> Bus body repair and maintenance door repairs, glass replacement, body work 		Sound Iso. _____ DBA _____ Sound Ins. _____ Rev. Time _____		<ul style="list-style-type: none"> 2 persons / bay 	
Access		Security		Flexibility	
<ul style="list-style-type: none"> Drive through for 18288mm (60') bays (exterior overhead door) Interior drive in access off main drive aisle All exterior personnel exits and overhead exits require a reinforced concrete pad which should be tied structurally to the building foundation wall. 		<ul style="list-style-type: none"> Building Perimeter 		<ul style="list-style-type: none"> Single use space 	
Structure		Environment		Equipment	
Height 5791 mm clear (match existing garage) Clear Span <u>yes</u> Floor Loading _____ psf _____ Spec. Req: <ul style="list-style-type: none"> Refer to E23.8 Structural Specifications on requirements for fall arrest system design. Refer to E23.14 and E23.15.17 Structural Specifications for floor loading. Refer to Equipment list Appendix L; Structural, Mechanical and Electrical requirements for all items to be supported by structure. 		Temp. <u>80F</u> View Out Ext. _____ Humidity <u>60%</u> View Out Int. _____ View In _____ Spec. Req: <ul style="list-style-type: none"> Winter conditions permitted to be 68F Humidity control not required 		<ul style="list-style-type: none"> In-floor hoists NEQ-01 Particulate extraction NEQ-09 Hose reel fluid dispensing system NEQ-02 Fall arrest protection to be designed as per Structural specifications. Locations to be determined in design phase with Transit. 	
Electrical Services		Illumination		Room Finishes	
Power _____ TV _____ Comp _____ AV _____ Tel _____ PA _____ CCTV _____ Wireless _____ Other: <ul style="list-style-type: none"> 1 quad receptacle at every bay (separate circuits) Welding plug (1 station shared between every two bays) at wall Refer to Appendix L for specific electrical requirements to equipment. 		Ft. Candles _____ Daylight <u>X</u> Fluor. _____ Quartz _____ LED <u>X</u> Incand. _____ Special _____ Other:		Floor: <ul style="list-style-type: none"> Polished, sealed concrete Walls: <ul style="list-style-type: none"> Refer to E23.7.1 complete with 200 mm CMU to underside of structure – painted. Block to be flush with face of concrete. Ceiling:	

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<ul style="list-style-type: none"> • All duplex receptacles in the garage and shops area to be 120V 20A circuits. • Overhead 120V/30A/1Ph/60Hz drop c/w twist-lock 30A receptacle for portable exhaust unit NEQ-09. (1 drop shared per every two adjacent bays). 		<ul style="list-style-type: none"> • Exposed Structure - painted
<p>Mechanical Services</p> <p>Hot W. ____ Cold W. ____ Drain _____ Exhaust _____ Air _____ Climate Controlled? ____Yes ____ Other:</p> <ul style="list-style-type: none"> • Exhaust for bus fumes • Overhead breathing air station at 5 locations TBC by City • Compressed air <ul style="list-style-type: none"> • Overhead - 2 x 3/8" dia. (1 @ 130psi, 1 @ 120 psi) • Wall – 1 x 1" dia. lines @ 120 psi • Refer to Appendix L for specific mechanical requirements to equipment. 	<p>Comments</p> <ul style="list-style-type: none"> • Configure 18,288mm (60'-0") bays on south complete with overhead doors to allow direct access to exterior • 2,438mm (8'-0") clear between buses. • Alternate the compressed air connections and welding connections at wall locations between bays • Alternate overhead compressed air connections and fluid dispensing systems at ceiling locations between bays. • All roof structure at bus bays shall be designed to accommodate the loads required for a future addition of a fall arrest system similar to those required in specific bus bays under this RFP. Proponents structural drawings shall locate and identify the allowable loads for each proposed future fall arrest system. • Any compressed air high pressure loop to be by Trans Air, or approved equivalent. • 30' buses will be serviced at any 40' bus bay location. • Confirm exhaust unit MOCP with manufacturer prior to procurement of the equipment. 	