Space Ref	Space Name	No. of Units	Approx.	Net Total	Location / Adjac
No. A1-1.1	Typical Service Bay	4 stalls for 18288mm (60') long buses + 1 stall for 12192mm (40') long bus	Net Area 6303 SF / 586 M ²		Off main drive aisle Exterior
Activity Descr	ription	Acoustic Treatment		Occupancy /	Loading Standards
Bus mai repair	ntenance and general	Sound Ins Rev. Tin		• 2 persons	s / bay
Access		Security		Flexibility	
 bays (external parts) Interior donormal parts All external parts overhead reinforced should be 	bugh for 18288mm (60') erior overhead door) rive in access only for a (40') bays or personnel exits and exits require a disconcrete pad which exited structurally to the bundation wall.	Building Perimeter		Single use space	
Structure		Environment		Equipment	
garage) Clear Span _y Floor Loading Spec. Req: Refer	to E23.8 Structural tions on requirements rest system design. o E23.7.1 Structural tions for Wall Impact ce E23.14 and E23.15.17 Specifications for floor to E23.15.7 and nt list Appendix L; I, Mechanical and requirements for all o be supported by	Environment Temp80F View Out Ext Humidity _60% View Out Int View In Spec. Req: • Winter conditions permitted to be 68F • Humidity control not required		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 Ser	vices	Illumination		Room Finishe	es
(separate	v ireless eceptacle at every bay	Fluor Quart	Candles DaylightX or Quartz ond Special or: Walls: Refer to E23.7.1 comple mm CMU to underside		sealed concrete E23.7.1 complete with 200 I to underside of structure Block to be flush with

between every two bays)		face of concrete.
Overhead 208V 3phase drop for partiable sylvature wit (2 drops 1)		Ceiling:
portable exhaust unit (3 drops - 1 station shared between every two		Cennig.
bays)		Exposed Structure - painted
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		
Mechanical Services	Comments	
Hot WCold W Drain perimeter trench drains four (4) for pressure washing system Exhaust AirClimate Controlled?YesOther: • Exhaust for bus fumes • Compressed air • Overhead - 2 x 3/8" dia. (1 @ 130psi, 1 @ 120 psi) • Wall - 1 x 1" dia. lines @ 130 psi • Refer to Appendix L for specific mechanical requirements to equipment.	 to allow direct access to exterior 2,438mm (8'-0") clear between buse Alternate the compressed air connocations between bays Alternate overhead compressed air at ceiling locations between bays. All roof structure at bus bays shall required for a future addition of a fall specific bus bays under this RFP. P 	connections and welding connections at wall connections and fluid dispensing systems be designed to accommodate the loads Il arrest system similar to those required in troponents structural drawings shall locate each proposed future fall arrest system. The proposed for the proposed future fall arrest system.

Space Ref	Space Name	No. of Units	Approx. Net Area	Net Total	Location / Adjac
No. A1-1.2 Activity Description	Refurbishing Service Bay	1 stall for 18288mm (60') long bus 3 stalls for 12192mm (40') long bus long Acoustic Treatme	1600 + (1200 x 3) = 5,200 SF/ 483M ²	Occupancy /	Off main drive aisle leading Standards
Complete refurbishing of buses including: torching, welding, grinding, panel removal, component removal.		Sound Iso DBA Sound Ins Rev. Time		2 – 4 persons	
 drive aisle All exterioverhead reinforced should be building formal 	or personnel exits and	Security Building Perin	neter	Single use space	
garage) Clear Span Floor Loading Spec. Req: • Refer Specification for fall are specification Resistant specification Refer to Strucural loading. • Refer Appendix Electrical items to structure. • Refer to lextraction be supported to L; Structure items to structure items to structure.	to E23.8 Structural titions on requirements rest system design. o E23.7.1 Structural titions for Wall Impact ce E23.14 and E23.15.17 Specifications for floor to Equipment lists L; Mechanical and requirements for all o be supported by . E23.15.7. Exhaust a system equipment to orted by roof structure. Equipment list Appendix stural, Mechanical and requirements for all o be supported by .	Humidity _60% View Out Int View In Spec. Req: • Winter conditions permitted to be 68F • Humidity control not required		In-floor hoists NEQ-01 Hose reel fluid dispensing system NEQ-02 Fall arrest protection to be designed as per Structural specifications. Locations to determined in design phase with Transit. Overhead curtain system fo containment, suitable for welding. Central Vacuum system. Refore to E24.5.11 Particulate extraction NEQ-6	
Electrical Ser		Illumination	Davidaht V	Room Finishe	<u></u>
Power T Comp A Tel PA	v	Ft. Candles Fluor LED: X	Quartz	Floor: Polished	sealed concrete

OOT!/ 14/1		
CCTV Wireless Other:	Incand Special Other:	Walls:
Other:	Other:	waiis:
 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 		Refer to E23.7.1 complete with 200 mm CMU to underside of structure – painted. Block to be flush with face of concrete. Ceiling: Exposed Structure - painted
Mechanical Services	Comments	
Hot WY_ Cold WY Drain Exhaust Air Climate Controlled?Yes Other: • Exhaust for bus fumes • Overhead breathing air station • Compressed air (1 station shared between every two bays) • Overhead - 2 x 3/8" dia. (1 @ 130psi, 1 @ 120 psi) • Wall - 1 x 1" dia. lines @ 130 psi • Refer to Appendix L for specific mechanical requirements to equipment.	designed to accommodate the loa arrest system similar to those requirements structural drawings shared for each proposed future fall arrests. Any compressed air high pressure lequivalent.	oop to be by Trans Air, or approved ufficient maintenance access free of all cts or conduits, lights, etc.

Space Ref	Space Name	No. of Units	Approx. Net Area	Net Total	Location / Adjac	
No. A1-1.3 Activity Descr	Body Repair Bay	8 stalls for 1292mm (40') long buses 1 stall for 18288mm (60') long buses Acoustic Treatment	(8 x 1023) + (1 x 1320) = 9504 SF/883M ²	Occupancy /	 Off main drive aisle Exterior Loading Standards	
Activity Desci	iption			Occupancy / 1	Loading Glandards	
,	repair and maintenance glass replacement, body	Sound Ins	DBA Rev. Time	·	2 persons / bay	
Access		Security		Flexibility		
 bays (extended to be a continued to	or personnel exits and	Building Pering	meter	Single use space		
Structure		Environment		Equipment		
garage) Clear Span _y Floor Loading Spec. Req: Refer Specifica for fall and Refer to Strucural loading. Refer to L; Struc Electrical items to structure.	to E23.8 Structural tions on requirements rest system design. E23.14 and E23.15.17 Specifications for floor Equipment list Appendix tural, Mechanical and requirements for all to be supported by	By the structural quirements esign. E23.15.17 ns for floor at Appendix anical and ats for all		 Particulat Hose ree NEQ-02 Fall arres designed specificat determine Transit. 	pists NEQ-01 e extraction NEQ-09 I fluid dispensing system t protection to be as per Structural ions. Locations to be ed in design phase with	
Electrical Ser	vices	Illumination		Room Finishe	9 S	
	V ireless eceptacle at every bay	Ft. Candles DaylightX_ Fluor Quartz LED _X_ Incand Special Other:		Walls: • Refer to I	sealed concrete =23.7.1 complete with 200	
between o	olug (1 station shared every two bays) at wall Appendix L for specific requirements to				I to underside of structure d. Block to be flush with oncrete.	

 All duplex receptacles in the garage and shops area to be 120V 20A circuits. Overhead 208V 3Phase drop for portable exhaust unit (5 drops - 1 station shared between every two bays) 	Exposed Structure - painted
Mechanical Services Hot W Cold W Drain Exhaust Air Climate Controlled?Yes Other: • Exhaust for bus fumes • Overhead breathing air station at 5 locations TBC by City • Compressed air	 Comments 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.
 Overhead - 2 x 3/8" dia. (1 @ 130psi, 1 @ 120 psi) Wall - 1 x 1" dia. lines @ 130 psi Refer to Appendix L for specific mechanical requirements to equipment. 	 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

Space Ref	Space Name	No. of Units	Approx. Net Area	Net Total	Location / Adjac
No. A1-1.4	Main Drive Aisle	1	Width and alignment to match existing	1	 Typical Service Bay Refurbishing Service Bay Body Repair Bay Exterior
Activity Desci	ription	Acoustic Treatme	ent	Occupancy / I	Loading Standards
	fic aisle for movement out of garage addition	Sound Iso		2 persons	s / bay
Access		Security		Flexibility	
 Through existing garage Exit through exterior overhead door All exterior personnel exits and overhead exits require a reinforced concrete pad which should be tied structurally to the building foundation wall. 				Single use space	
Structure		Environment		Equipment	
garage) Clear Span _y Floor Loading Spec. Req: Refer to Specificat for fall arr Refer to Strucural loading. Refer to L; Struc Electrical	psfpsf to E23.8 Structural tions on requirements est system design. E23.14 and E23.15.17 Specifications for floor Equipment list Appendix tural, Mechanical and requirements for all to be supported by	Humidity _60% View In Spec. Req: • Winter condit 68F	View Out Ext View Out Int ions permitted to be trol not required	Oil interce Drains	eptors
Electrical Ser	vices	Illumination		Room Finishe	es .
Power T Comp A Tel PA CCTV W Other:	V	Ft. Candles Fluor LED_X Incand Sp Other:		Walls: Refer to E mm CMU — painted face of co Ceiling:	
Machaniasia	amvia a a	Commonto		Exposed	Structure – painted
Mechanical Services Hot W Cold W Drain Exhaust Air Climate Controlled? Yes		 New south ov 	ed to be one way verhead doors should b overhead door to rem		5

Space Ref No.	Space Name	No. of Units	Approx. Net Area	Net Total	Location / Adjac
No. A1-2.1	Weld Shop	1	12,350sf/1147m² *entire shops area		Body Shop
Activity Desci	ription	Acoustic Treatm	ent	Occupancy /	Loading Standards*
Metal cutting Metal bending Plasma cutters MIG or TIG welders Hoist repairs Access All exterior personnel exits and overhead exits require a reinforced concrete pad which should be tied structurally to the building foundation wall.		Sound Iso DBA Sound Ins Rev. Time Security Building Perimeter		 ±18 persons: 2 supervisors 1 estimator 3 upholsterer 5 bodymen 2 sheet metal 5 welders *Note: this is for entire shops area Flexibility Multiple functionality Curtains to break-up area around plasma cutters 	
 Refer to Specificate Refer to Equipmer Structural Electrical 	psfpsf	Humidity control not required		 Equipment Anvil EQ-01 Delta Belt sander EQ-02 ERMX Hyd Shear SHE01 DC39 Bench Grinder EQ-09 D654 150 ton press EQ-11 Dm-12 Bandsaw SAW01 Piranha P50 PIR01 Welding booths EQ-12 -16 Power hammer and stand EQ-17 Rod oven EQ-18 Welder's Bench EQ-28-29, EQ-30, EQ-31 Plasma cutting table EQ-32 Blacksmith table EQ-33 Welding table EQ-34 Sheet metal racking EQ-35 Metal storage racking EQ-38 Storage cabinet EQ-44, EQ-46-47 Tool cabinet EQ-45 	
				Overhead crane 5,000lb capacitive (New, supplied by Contractor Manufacturer to be approved by City during design)	
Electrical Ser	vices	Illumination		Room Finish	es
Power T Comp A Tel PA CCTV W Other:	V	Ft. Candles Fluor Quar Incand Sp Other:	tz LED:X	Floor: • Polished concrete Walls:	
electrical equipmerProvide 1 receptacle per space	120V 15A convenience es. Minimum 2 circuits e. Maximum six duplex			CMU to underside of deck Ceiling: Exposed structure - painted	
outlets pe	er circuit. Outlets shall				

be located every 3m along the perimeter walls within the space.		
Mechanical Services	Comments	
Hot W Cold W Drain Exhaust Air_ Climate Controlled?Yes Other:	Crane permitted to be shared with Bod Refer to Body Shop equipment list. La	•
Refer to Appendix L for specific mechanical requirements to equipment.		

Space Ret No.	Space Name	No. of Units	Approx. Net Area	Net Total	Location / Adjac	
A1-2.2	Body Shop	1	*12,350 SF/1147M² *entire shops area	Body Repair Ba Weld Shop		
Activity Descr	ription	Acoustic Treatm	nent	Occupancy / Lo	pading Standards*	
Repair ho	iding utters G welders	Sound Ins. Time		±18 persons:2 supervisors		
Access		Security		Flexibility		
overhead reinforced should be building f	or personnel exits and exits require a disconcrete pad which exited structurally to the oundation wall.	Building Per	imeter	 Multiple functionality Curtains to break-up area around plasma cutters 		
Structure		Environment		Equipment		
Clear Span	lear Spanyes		_ View Out Ext.	HB04 • Belt g	rinder EQ-03	
Spec. Req:		View In		• Roller EQ-04, EQ-05		
Spec. Req.		Spec. Req:			r shear SHE02	
Strucural loading. Refer to Equipmer Structural Electrical items to structure.	requirements for all be supported by	 Winter conductors be 68F Humidity conductors 	ditions permitted to	 Grind Spot v Sand Work 21, E 26, E(Work! punch Work Sheet 37 Cupbo 39, E 43 Bolt EQ-48 Overly capar Contrappro Dediction Particion 	pench with sheet metal a EQ-24 bench with shear SHE03 metal racking EQ-36, EQ-pards/cabinets/shelves EQ-Q-40, EQ-41, EQ-42, EQ-bin storage and cabinets B, EQ-49 mead crane 5,000lb city (New, supplied by actor, Manufacturer to be pived by City during design) atted hood for plasma g ulate extraction NEQ-09	
Electrical Ser	vices	Illumination		Room Finishes	1	
Power T Comp A' Tel PA CCTV W Other:	V	Ft. Candles Fluor LED:X Incand S Other:	_ DaylightX Quartz pecial	Floor: Polished concrete Walls:		

Refer to Appendix L for specific electrical requirements to equipment. Provide 120V 15A convenience receptacles. Minimum 2 circuits per space. Maximum six duplex outlets per circuit. Outlets shall be located every 3m along the perimeter walls within the space. Overhead 208V 3Phase drops for portable exhaust unit.		Refer to E23.7.1 complete with 200 mm CMU to underside of structure – painted. Block to be flush with face of concrete. Ceiling: Exposed structure - painted
Mechanical Services	Comments	
Hot W Cold W Drain Exhaust Air Climate Controlled?Yes Other: • Refer to Appendix L for specific mechanical requirements to equipment.	 Crane permitted to be shared with Refer to Weld Shop equipment list 	Weld Shop . Layout may overlap into adjacent space.

Space Ref No.	Space Name	No. of Units	Approx. Net Area	Net Total	Location / Adjac
A1-2.3	Upholstery Shop	1	*12,350 SF/1147M² *entire shops area	1	Weld ShopBody Shop
overhead reinforce	ork air ior personnel exits and d exits require a d concrete pad which	Acoustic Treatme Sound Iso. Sound Ins. Security Building Perin	DBA Rev. Time	Occupancy / Loading Standards	
	e tied structurally to the oundation wall.	Environment		plasma cutters Equipment	
Height 5791m Clear Span Floor Loading Spec. Req: Refer to Strucural loading. Refer to list App Mechanic requirement	psfpsf E23.14 and E23.15.17 Specifications for floor E23.15.7 and Equipment bendix L; Structural,	 Spec. Req: Winter conditions permitted to be 68F Humidity control not required 		 2 sewing machines EQ-50 1 small bandsaw EQ-51 1 pedestal grinder EQ-52 Metal cutting Metal bending Plasma cutters MIG or TIG welders Repair hoists 	
Electrical Ser		Illumination		Room Finishe	es
Power T Comp A Tel PA CCTV W Other:	V ireless	Ft. Candles Fluor LED:X Incand Sp Other:	Quartz	Floor: Polished concrete Walls:	
electrical equipmer Provide receptacl per spac outlets p be locate.	•			Refer to E23.7.1 complete with 20 mm CMU to underside of structur – painted. Block to be flush wit face of concrete. Ceiling: Exposed structure - painted	

Mechanical Services	Comments
Hot W Cold W Drain Exhaust Air Climate Controlled?Yes Other:	 Must be clean shop space. Environmental and physical separation required. Refer to Appendix O for existing upholstery shop layout
Separate ventilation from adjacent shop spaces. Refer to Appendix L for specific mechanical requirements to equipment.	

Space Ref	Space Name	No. of Units	Approx. Net Area	Net Total	Location / Adjac	
No. A1-3.1	Welding	1	4,500 SF/418M²	1	Weld Shop Exterior (Receiving)	
A1-3.1	Stores				Existing Stores	
Activity Desc	ription	Acoustic Treatme	ent	Occupancy /	Loading Standards	
Storage fCutting s	or raw materials	Sound Iso DBA		1 or 2 persons		
	ut desk/parts wicket	Sound Ins	Rev. Time			
 Material of 	delivery					
Access		Security		Flexibility		
height en	Outch door. Width and lough for forklift to go	Lockable inteSecure exteri	erior door or overhead door	Single us	se.	
through • Receiving	g bav					
 All exterior 	or personnel exits					
	head exits require a d concrete pad which					
should be	e tied structurally to					
the buildi	ng foundation wall.					
Structure		Environment		• Paint		
Height 5791m	o columns	Humidity60%_	iew Out Ext View Out Int			
Floor Loading	g psf	View In Spec. Reg:				
Spec. Req:						
Refer to Specifica	E23.14 Strucural	68F	ions permitted to be trol not required			
loading.		Trainially oon	tiornot required			
	to E23.15.7 and nt list Appendix L;					
Structura	l, Mechanical and					
	requirements for all be supported by					
structure	• • • • • • • • • • • • • • • • • • • •					
Electrical Ser	vices	Illumination		Room Finish	es	
Power T	-v	Ft. Candles	Daylight Y	Floor:		
Comp A	.V	Fluor Quart		1 1001.		
Tel PA CCTV W	 /ireless	LED: X Sp	ecial	 Sealed of 	oncrete	
Other:	/II eless	Other:	eciai	Walls:		
Refer to	o Appendix L for			Refer to	E23.7.1 complete with 200 mm CMU	
specific	electrical ents to equipment.			to under	side of structure – painted. Block to with face of concrete.	
 Provide 	120V 15A					
convenie Minimum	nce receptacles. 2 circuits per space.			Ceiling:		
Maximum six duplex outlets				 Exposed 	structure - painted	
	uit. Outlets shall be every 3m along the					
perimete	r walls within the					
space. Mechanical S	ervices	Comments				

Hot W Cold W Drain		Metal Delivery Trucks			
Exhaust		Length	Width	Deck Height	
Air	ASA Alloys	32'	8'4"	50"	
Climate Controlled?Yes	Dave Copp Steel	24'	8'7"	48"	Freightliner
Other:		24'	8'4"	51"	International
		24'	8'5"	32"	9000 lbs trailer pulled by 3/4 ton truck
	Atlas Welding	37'	8'6"	50"	Big truck
		21'		50"	Small truck

Space Ref No.	Space Name	No. of Units	Approx. Net Area	Net Total	Location / Adjac	
A1-4.1	Prep. Bay	1 stall for 18288mm (60') long bus 3 stalls for 1292mm (40') long bus long Acoustic Treatme	(1200 x 3) + 1600 = 5,200 SF/ 483M ²	Occupancy / I	 Off main drive aisle Paint Bay Loading Standards	
 Sanding Putty Fibreglass repair Touch-ups 		N/A (self contained units) Sound Iso DBA_ Sound Ins Rev. Time		2 persons typical		
AccessMan door e	ach side	Security		Flexibility • Single purpose		
accommodate lifundercoating wo Clear Span _ yes Floor Loading _ Spec. Req: • Refer to E2 Specificatio for fall arres • Refer to E Strucural S loading. • Refer to E2 list Appe Mechanical	psf 3.8 Structural	Environment Temp80F View Out Ext Humidity60%_ View Out Int View In Spec. Req: • Winter conditions permitted to be 68F • Humidity control not required		NEQ-05 • Central V E24.5.11	ufactured prep. booths acuum system. Refer to e extraction NEQ-09	
Refer to A electrical equipment. Provide 120 receptacles per space outlets per be located eperimeter with the second perimeter with the sec		Fluor. Quart LED: X Incand. Spo Other:	ecial	slab. To a Walls: N/A Ceiling:	d concrete in polished, no accommodate pre-fab unit	

3ph outlet for portable dust extractor/vacuum	
Mechanical Services	Comments
Hot W Cold W Drain Exhaust Air Climate Controlled?Yes Other: • Refer to Appendix L for specific mechanical requirements to equipment.	 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. 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

Space	Space Name	No. of Units	Approx. Net Area	Net Total	Location / Adjac	
Ref No. A1-4.2	Paint Bay	1 stall for 18288mm (60') long bus 3 stalls for 1292mm (40') long bus long Acoustic Treatme	(1223 x 3) + 1600 = 5,200 SF / 483M ²	4	 Prep. Bay Exterior Loading Standards	
 Spray paint application to buses Minor masking / taping All exterior personnel exits and overhead exits require a reinforced concrete pad which should be tied structurally to the building foundation wall. 		N/A (self contained units) Sound Iso DBA Sound Ins Rev. Time		2 persons typical at one time		
Interloc sprayinOverhe 3658miBuses I 18288ni	ntry + exit doors each side sked doors for curing and g and door height minimum m (12'-0") both 12192mm & nm (40' & 60') long to be pull through – no backing	interlocked during curing and paint cycle		Ability to close off a portion of the 60' bus booth to paint auto parts while the other section can paint/cure 40' bus. See E24.5.5		
Height 5791mm minimum clear (to accommodate paint booth structure) Clear Spanyes Floor Loading psf Spec. Req: Refer to E23.8 Structural Specifications on requirements for fall arrest system design. Refer to E23.7.1 and E23.15.17 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.		Temp80F View Out Ext Humidity60%_ View Out Int View In Spec. Req: • Winter conditions permitted to be 68F • Humidity control not required		Pre-manufactured paint booths NEQ-04		
Power	_TV	Illumination Ft. Candles Fluor Quart Incand Sp	z LED_ <u>X</u> _	Room Finishe Floor: • Prepared	es and finished in	
Tel P	^	ilicaliu Sp		- i icpaicu	and innoned in	

Refer to Appendix L for specific electrical requirements to equipment.	Lighting for mechanical service areas serving equipment.	requirements. Walls: As per manufacturer's standard finishes. Ceiling: As per manufacturer's standard
Mechanical Services	Comments	finishes.
Hot W Cold W Drain Exhaust Air Climate Controlled?Yes Other: • Refer to Appendix L for specific mechanical requirements to equipment.	If a paint booth is deleted from the p future paint booth. The pit should be booths that will be installed per E24	

Space Ref No.	Space Name	No. of Units	Approx. Net Area	Net Total	Location / Adjac	
A1-4.3	Paint Mix	2	2 x 150 = 300 SF / 28M ²		Paint BayPrep. Bay	
Activity Description	1	Acoustic Treatme	ent	Occupancy /	Loading Standards	
Area to store and mix paint before applying to bus.		Sound Iso DBA Sound Ins Rev. Time		Transit to	confirm	
Access		SecurityTransit to cor	firm	Single purpose		
Structure		Environment		Equipment		
for fall arrest sy Refer to E23.7 Specifications in Resistance Refer to E23.7 Strucural Specifications in Refer to E23.7 Structural Specification in Refer to Equipment lie Structural, In Electrical requirems to be structure.	psf	Temp View Humidity View In Spec. Req:	w Out Ext ew Out Int	Pre-manufactured paint mix room NEQ-06		
Electrical Services		Illumination		Room Finishe	es	
PowerTV CompAV TelPA CCTV Wireles Other: Refer to Appen electrical requir equipment.	sdix L for specific	Incand Sp Other:	tzLED:X_ ecial nechanical service	finishes. Ceiling:	concrete anufacturer's standard anufacturer's standard	

Med	chanical Services	Comments
Dra Exh Air	naust	- Height of paint mix booths to be as per manufacturer.
•	Refer to Appendix L for specific mechanical requirements to equipment.	

Space Ref No.	Space Name	No. of Units	Approx. Net Area	Net Total	Location / Adjac	
A1-5.1	Fluid Room	1	1120 SF / 104M²	1	Typical Service BayExteriorUTR	
Activity Description	1	Acoustic Treatme	ent	Occupancy /	Loading Standards	
Holding area for fluids for bus maintenance		Sound Iso DBA Sound Ins Rev. Time		N/A		
Access		Security		Flexibility		
 Locked double doors (or overhead door) at exterior to allow for delivery. Width and height enough for forklift Exterior single exit door. All exterior personnel exits and overhead exits require a reinforced concrete pad which should be tied structurally to the building foundation wall. 		Locked Room		Single purpose		
Structure		Environment		Equipment		
Height Clear Span Floor Loading psf Spec. Req: • Floor load to accommodate tank weights and forklift. • Refer to E23.14 Strucural Specifications for floor loading. • Refer to Equipment list Appendix L; Structural, Mechanical and Electrical requirements for all items to be supported by structure.				Double wall 5,000L capacity vertical tanks with forklift pockets Transmission fluid Antifreeze Oil Grease barrels Distribution equipment including pumps, pipes, etc. Forklift		
Electrical Services		Illumination		Room Finishes		
receptacles. M per space. Ma outlets per cir	-	Ft. Candles Fluor Quart Incand Sp Other:	z LED <u>_ X</u> ecial	0") AFF.	hour rated to 3660 (12' – wallboard c/w ULC rating	
	within the space.			Exposed Gypsum of 2hrs at	structure – painted or wallboard c/w ULS rating appropriate height once established.	

Mechanical Services	Comments
Hot W Cold W Drain Exhaust Air Climate Controlled?Yes Other:	Design to explosion-proof construction standards as per current codes required to suit contents of room – see MSDS Appendix G

Space Ref No.	Space Name	No. of Units	Approx. Net Area	Net Total	Location / Adjac	
A1-6.1	UTR & Washrooms	 1 – UTR 1 – Male 1 - Female 	As per Code		All washrooms located together UTR must be within 45M of new washrooms	
Activity Description	n	Acoustic Treatme	ent	Occupancy /	Loading Standards	
Personal hygiene and toileting.		Sound Iso DBA Sound InsX Rev. Time		As per code		
Access		Security		Flexibility		
Off of shop flooCentrally locate				Single use room.		
Structure		Environment		Equipment		
Specifications f Refer to E23.19 list Appendix Mechanical requirements for supported by st	psf 23.14 Strucural or floor loading. 5.7 and Equipment L; Structural, and Electrical or all items to be tructure.	Temp80F View Out Ext Humidity View Out Int View In Spec. Req: • Winter conditions permitted to be 74F • Humidity control not required		grab bars and toilet accessories Floor Drains		
Electrical Services		Illumination		Room Finishe	es	
Power TV Comp AV Tel PA CCTV Wireles Other:	_	Ft. Candles Quart Fluor Quart Incand Sp Other:	z LED: X	resistant Walls: CMU to 2 mildew re above to	yl safety floor for slip covered base. 2438mm (8' – 0") AFF and esistant gypsum wallboard underside of structure. vith Epoxy Paint.	
				 ACT 		

Mechanical Services	Comments
Hot W Cold W Drain Exhaust Air Climate Controlled?Yes Other:	 One washroom for each gender as well as a UTR. Design to conform to CWADS requirements.
Heating only	

Space Ref No.	Space Name	No. of Units	Approx. Net Area	Net Total	Location / Adjac to	
A1-7.1	Offices	6	10' - 6" x 10'- 6"	Minimum 6	Shops	
			each Included in Weld Shop area			
Activity Description	n	Acoustic Treatme	Acoustic Treatment		Occupancy / Loading Standards	
Supervisors off	ices	Sound Iso DBA		1 occupant/workstation per office		
·		Sound Ins. X_ Rev. Time				
Access		Security		Flexibility		
From shop floors All exterior personnel exits and overhead exits require a reinforced concrete pad which should be tied structurally to the building foundation wall.		Lockable door		Single use room.		
Structure		Environment		Equipment		
Height Clear Span Floor Loading Spec. Req:	psf	Temp80F View Out Ext Humidity View Out Int View In Spec. Req: Winter conditions permitted to be 74F Humidity control not required		 Computers Telephones Printers Chairs/Desks Furniture 		
Electrical Services		Illumination		Room Finishe	es	
Power <u>X</u> TV	_	Ft. Candles Daylight Fluor Quartz LED: X Incand Special Other:			yl safety floor for slip covered base.	
receptacles. M per space. Ma outlets per cir be located eve	15A convenience linimum 2 circuits ximum six duplex cuit. Outlets shall ery 3m along the within the space.			GWB abo	200mm (4' – 0") AFF and ove to underside of ceiling. with Epoxy Paint.	
Mechanical Service	es	Comments				
Hot W Cold W Drain Exhaust Air Climate Controlled Other:		Offices to have	ve glazing as appropria	ate for sight lines	s to the shop.	

Space Ref No.	Space Name	No. of Units	Approx. Net Area	Net Total	Location / Adjac	
A1-6.3	Mechanical and Electrical Room(s)	As Required	To suit Mechanical and Electrical design	As Required		
Activity Description	n	Acoustic Treatme	ent	Occupancy / Loading Standards		
Mechanical and electrical service spaces		Sound Iso DBA Sound InsX Rev. Time		Staff as required for regular maintenance activities		
Access		Security		Flexibility		
 To suit requirements All exterior personnel exits and overhead exits require a reinforced concrete pad which should be tied structurally to the building foundation wall. 		Lockable door		Single use room.		
Structure		Environment		Equipment		
Height Clear Span Floor Loading psf Spec. Req: • Refer to E23.14 Strucural		Temp80F View Out Ext Humidity60%_ View Out Int View In Spec. Req:		Mechanical and electrical equipment as required for the design.		
 Specifications f Refer to E23.15 list Appendix Mechanical 	or floor loading. 5.7 and Equipment L; Structural, and Electrical or all items to be	Winter conditions permitted to be 68F Humidity control not required				
Electrical Services		Illumination		Room Finishes		
Power X TV Comp X AV COMP X PA CCTV Wireless	_	Ft. Candles Daylight Fluor Quartz LED:_X Incand Special Other:		Polished concretre at grade. Epoxy if a penthouse condition. Walls: CMU to 2438mm (8' – 0") AFF and mildew resistant gypsum wallboard above to underside of structure. Painted with Epoxy Paint. Fire rating to suit as per MNBC. Ceiling: Open to structure above		
Mechanical Service	es	Comments		-		
Hot W Cold W Drain Exhaust Air_ Climate Controlled Other:						